



8











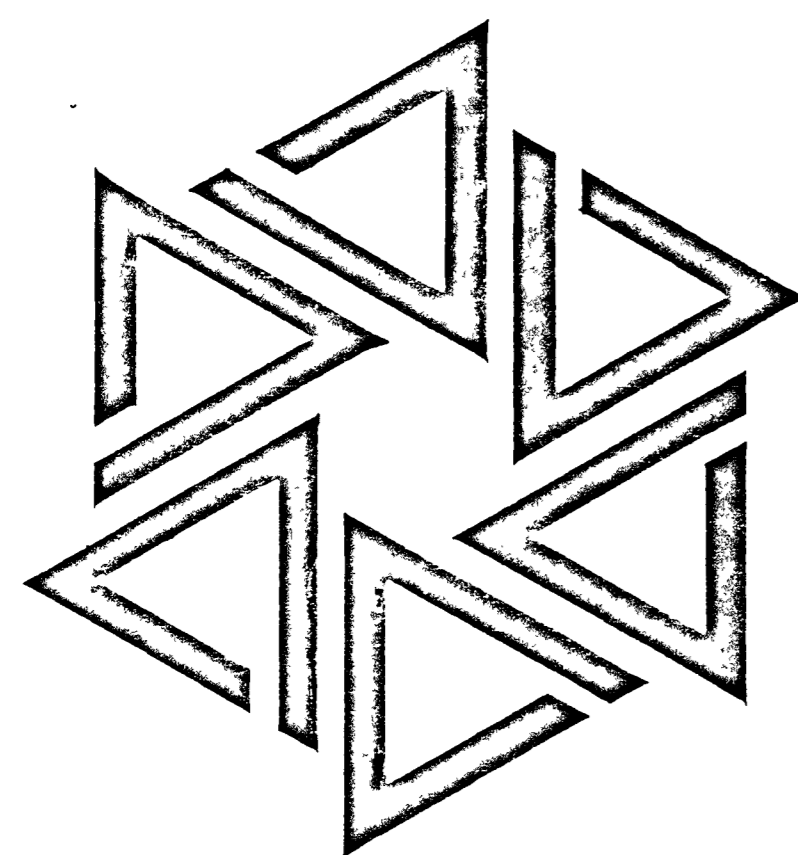
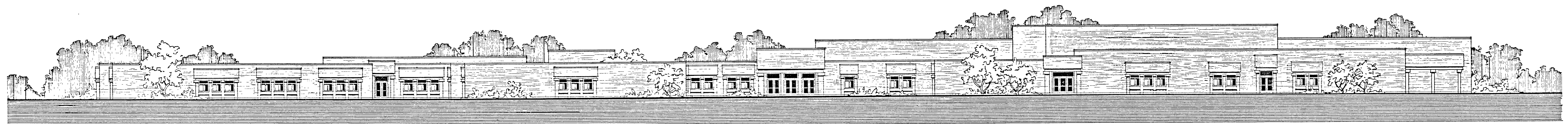








WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA



BARTON · COE · VILAMAA
ARCHITECTS & ENGINEERS
FORT WAYNE, INDIANA

SET NUMBER
1

CIVIL ENGINEERING CONSULTANT

KITCHEN EQUIPMENT CONSULTANT

STRUCTURAL CONSULTANT

ELECTRICAL CONSULTANT

FIRE PROTECTION CONSULTANT

COIL & DICKMEYER, INC.

VORNDRAN & ASSOC.

MASTER DESIGN, INC.

DINIUS HELMECZI, ASSOC.

PROJECT DESIGN & PIPING, INC.

FORT WAYNE, INDIANA

FORT WAYNE, INDIANA

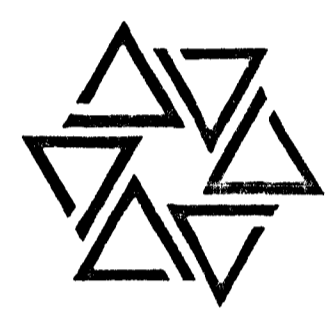
FORT WAYNE, INDIANA

FORT WAYNE, INDIANA

FORT WAYNE, INDIANA



BARTON • COE • VILAMAA ARCHITECTS • ENGINEERS, INC. FORT WAYNE, INDIANA



WAWASEE MIDDLE SCHOOL WAWASEE COMMUNITY SCHOOL CORP. SYRACUSE, INDIANA

COMM. NO. 8714 DATE 2/28/89

INFO SHEET

ABBREVIATIONS LIST

Table with 2 columns: Abbreviation and Description. Includes entries like ADJ (Adjustable), AFF (Above Finished Floor), ALUM (Aluminum), etc.

LEGEND

Legend table with 2 columns: Symbol and Material. Includes symbols for CONCRETE BLOCK, BRICK & BLOCK CAVITY, SAND-FILLED BLOCK, etc.

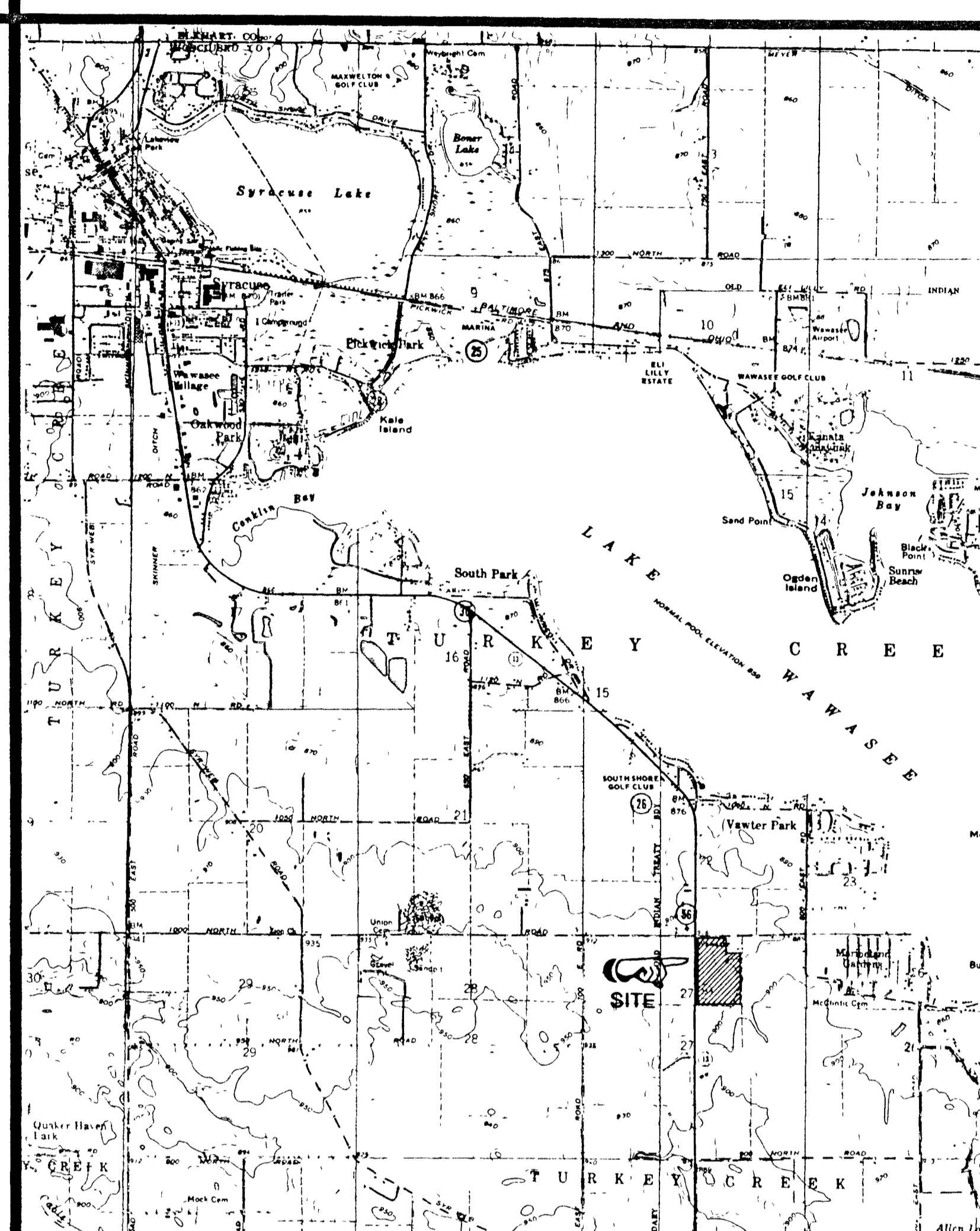
PAGE ENUMERATION

Table with 2 columns: SHEET NO. and DESCRIPTION. Lists sheets from COVER SHEET to ELECTRICAL DIAGRAMS.

BOARD OF SCHOOL TRUSTEES

Table listing Board of School Trustees members: CURTIS JORDAN (President), CAROL SWARTZENDRUBER (Vice President), WILLIAM TROUP (Secretary), DAVE CAREY (Member), DENNIS MIKEL (Member), DR. ROGER THORNTON (Superintendent), HENRY SMITH (Assistant Superintendent), ROGER KRYDER (Business Manager). Includes handwritten signatures.

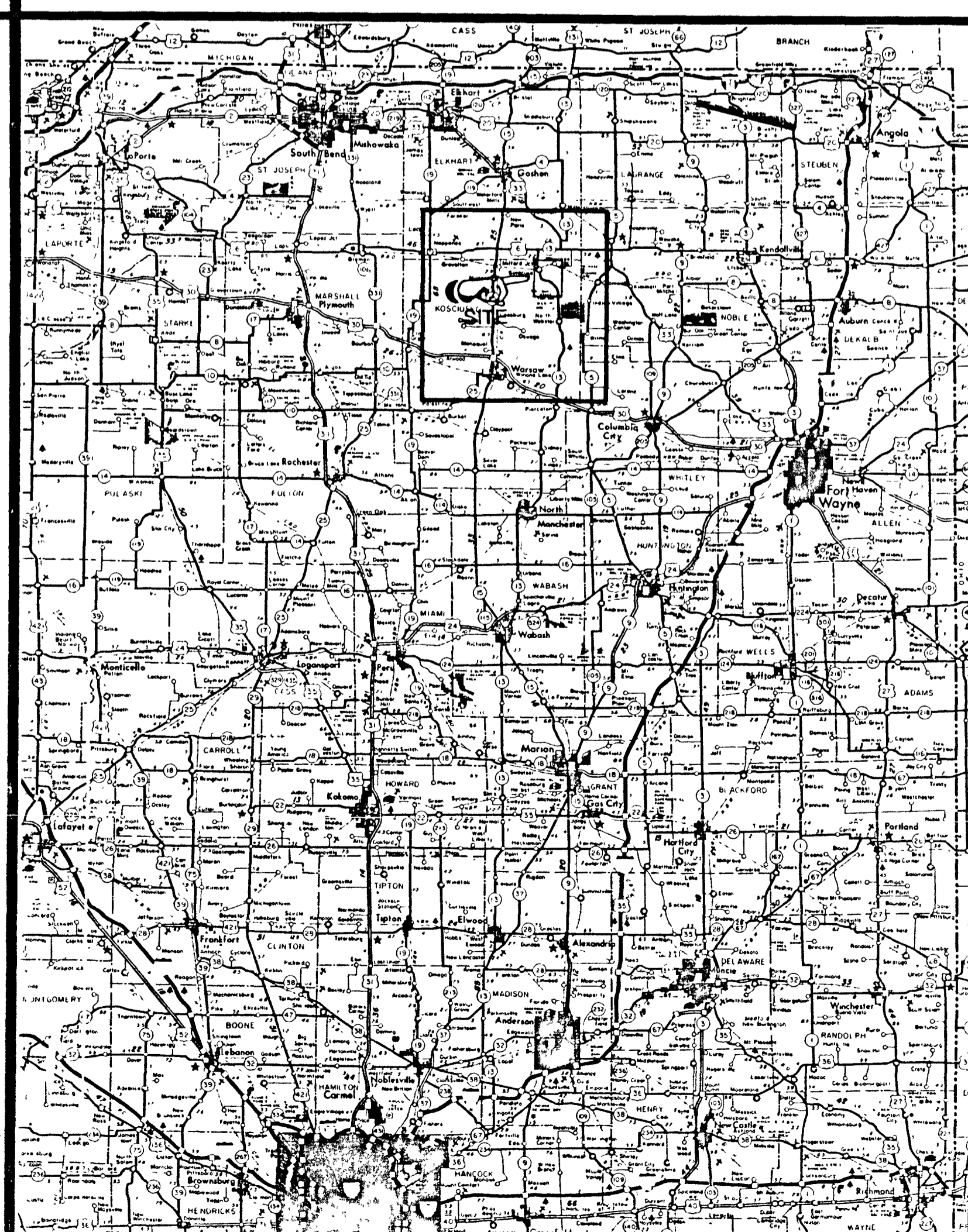
VICINITY MAP

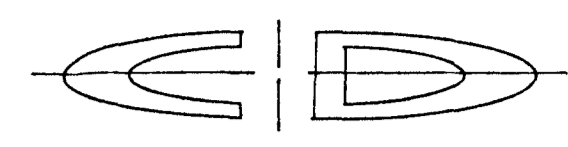


CONSTRUCTION SIGN

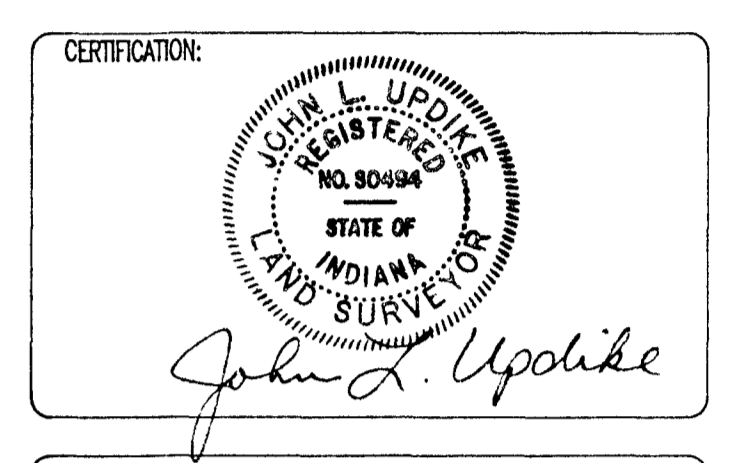
Construction sign for Wawasee Middle School. Includes project details: Superintendent (Dr. Roger Thornton), Assistant Superintendent (Henry Smith), Business Manager (Roger Kryder), Board of Trustees list, General Contractor, Mechanical Contractor, and Electrical Contractor. Features Barton Coe Vilamaa logo and contact info.

LOCATION MAP





CONSULTANTS:



**TOPOGRAPHIC MAP OF PROPOSED
 WAWASEE MIDDLE SCHOOL SITE
 SYRACUSE, INDIANA**

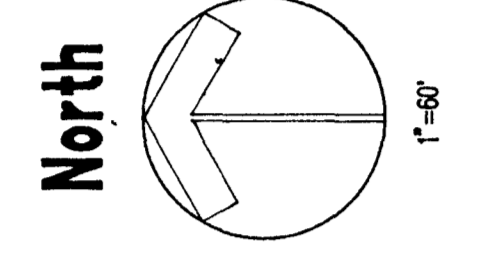
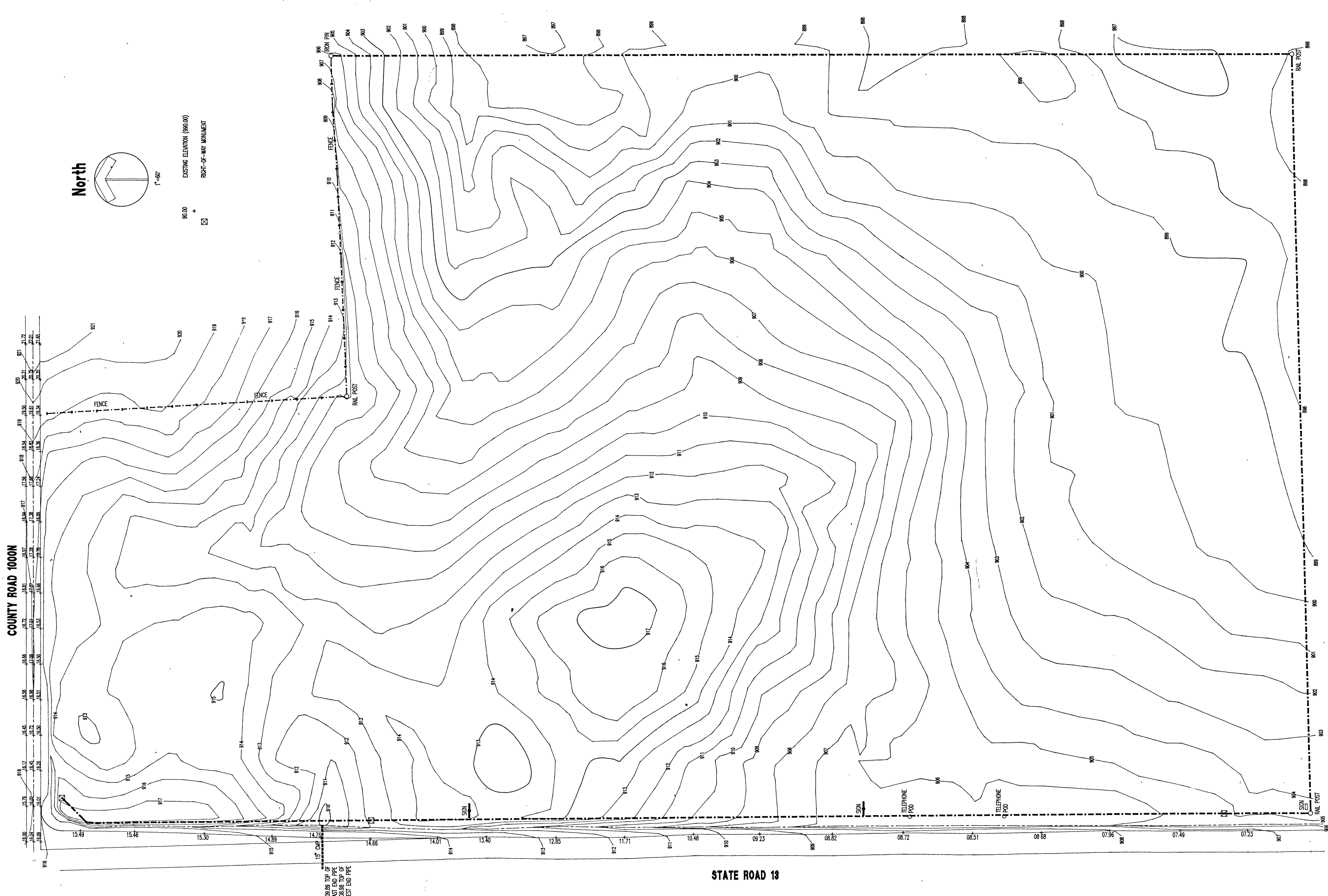
COMM. NO. 8714
 DATE 2/28/89

REVISIONS:

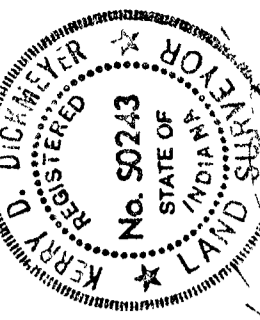
CAD FILE NAME: WAWASEE.DWG

DATE: JULY 29th, 1988 SCALE: 1" = 60'

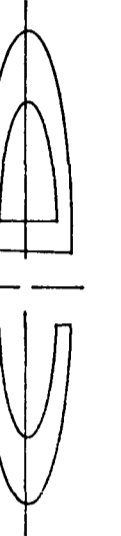
SHEET NO: **SP-1**



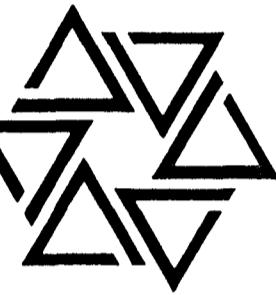
90.00 +
 EXISTING ELEVATION (SEALED)
 RIGHT-OF-WAY MONUMENT



COIL & DICKMEYER, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
 6044 E. STATE BOULEVARD
 FORT WAYNE, INDIANA 46815
 219-748-0125



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 ARCHITECTS • ENGINEERS, INC.
 FORT WAYNE, INDIANA

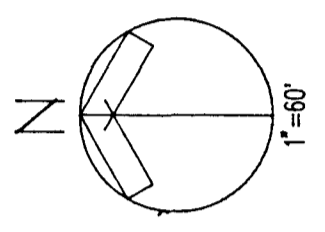
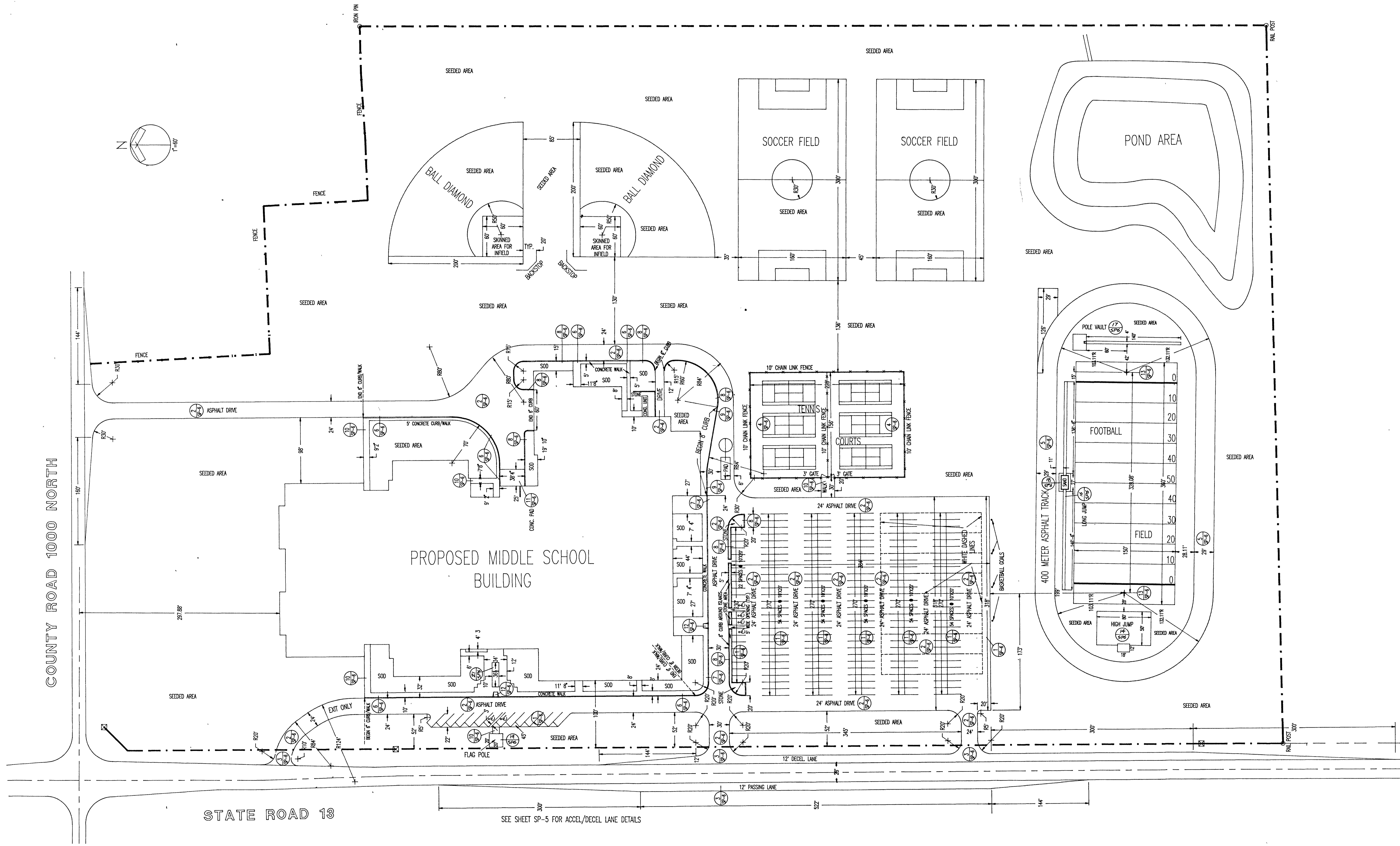


**WAWASEE MIDDLE SCHOOL
 SITE PLAN
 SYRACUSE, INDIANA**

COMM. NO. 7814
 DATE 2/28/89
 DRAWN BY

SP-2

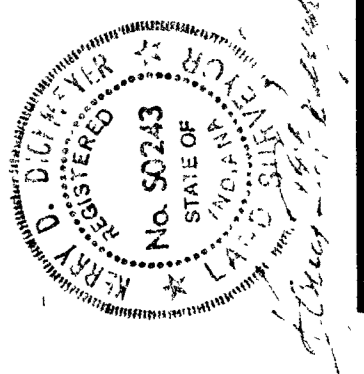
SITE PLAN
 SCALE 1" = 60'-0"



COUNTY ROAD 1000 NORTH

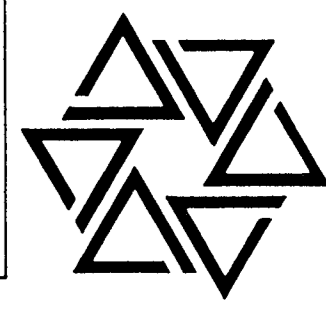
STATE ROAD 13

SEE SHEET SP-5 FOR ACCEL/DECEL LANE DETAILS



COIL & DICKMEYER, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
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 FORT WAYNE, INDIANA 46815
 219-749-0125

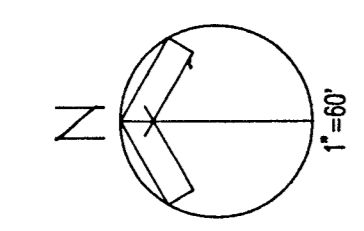
BARTON • COE • VILAMAA
 ARCHITECTS • ENGINEERS, INC.
 FORT WAYNE, INDIANA



WAWASEE MIDDLE SCHOOL
 GRADING & ELEVATIONS PLAN
 SYRACUSE, INDIANA

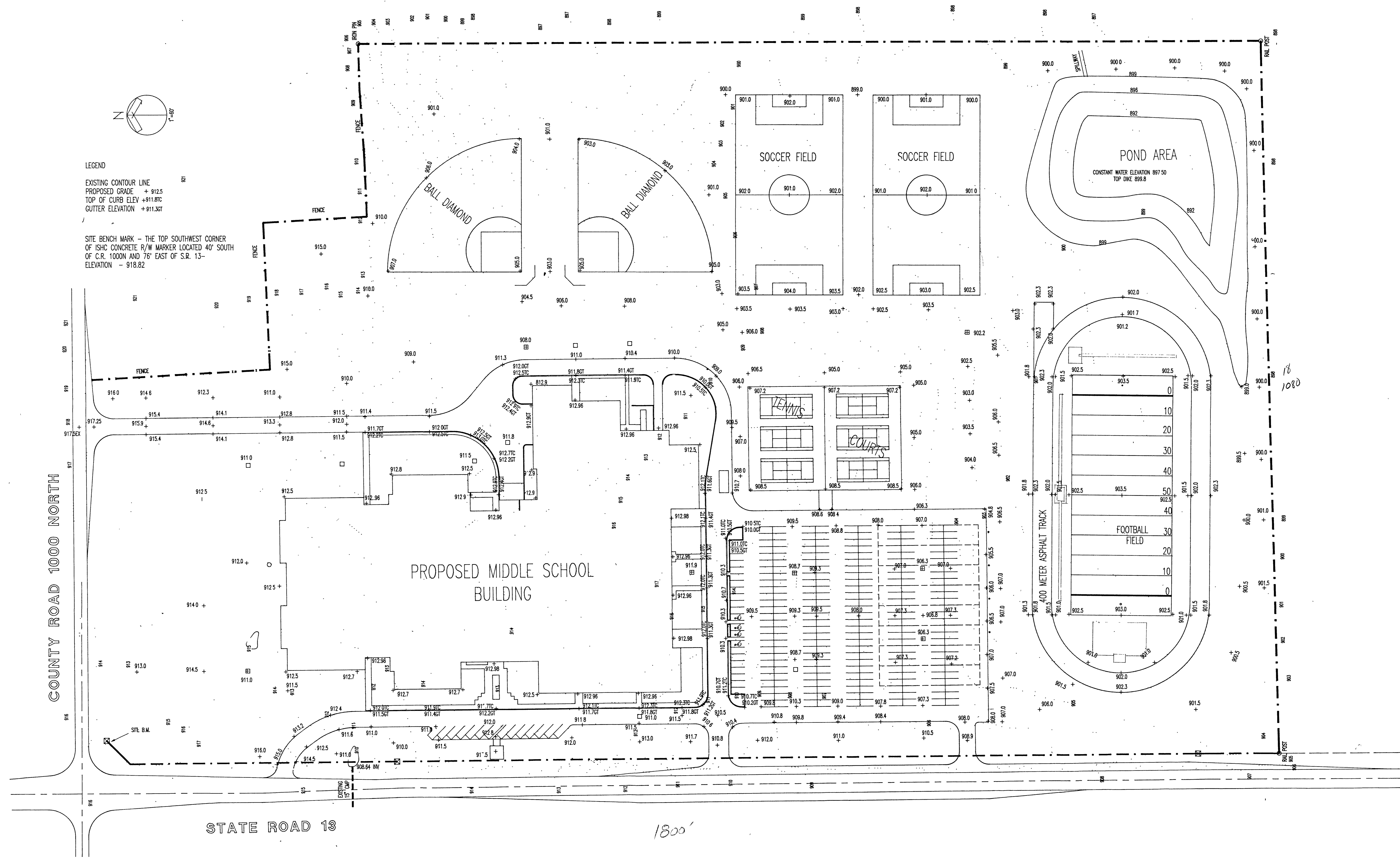
COMM. NO. 7814
 DATE 2/28/89
 DRAWN BY

SP-3



LEGEND
 EXISTING CONTOUR LINE
 PROPOSED GRADE +912.5
 TOP OF CURB ELEV +911.87C
 GUTTER ELEVATION +911.35T

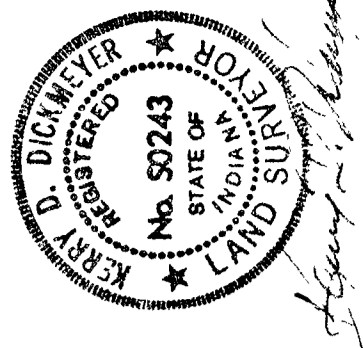
SITE BENCH MARK - THE TOP SOUTHWEST CORNER OF ISHC CONCRETE R/W MARKER LOCATED 40' SOUTH OF C.R. 1000N AND 76' EAST OF S.R. 13 - ELEVATION - 918.82



STATE ROAD 13

1800'

GRADING & DRAINAGE ELEVATION
 SCALE 1" = 60'-0"



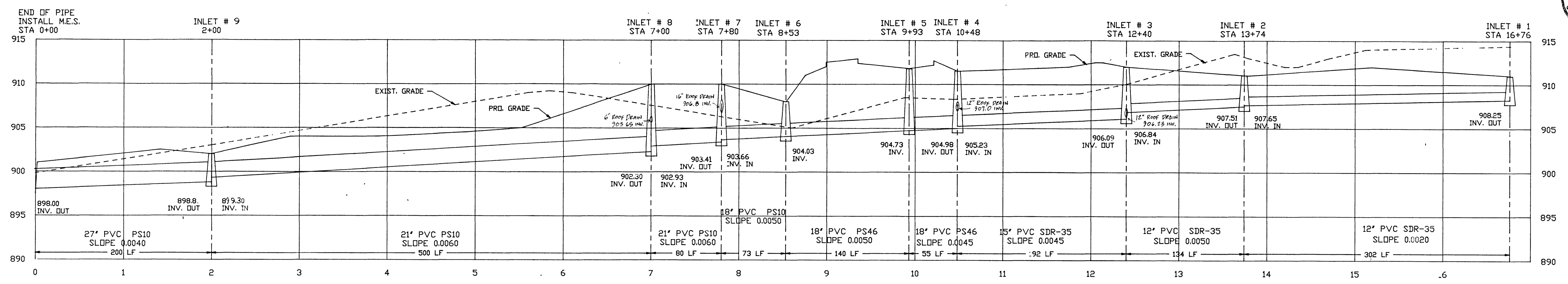
COIL & DICKMEYER, INC.
 CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
 6044 E. STATE BOULEVARD
 FORT WAYNE, INDIANA 46815
 219-749-0125

BARTON COE VILAMAA
 ARCHITECTS ENGINEERS, INC.
 FORT WAYNE, INDIANA

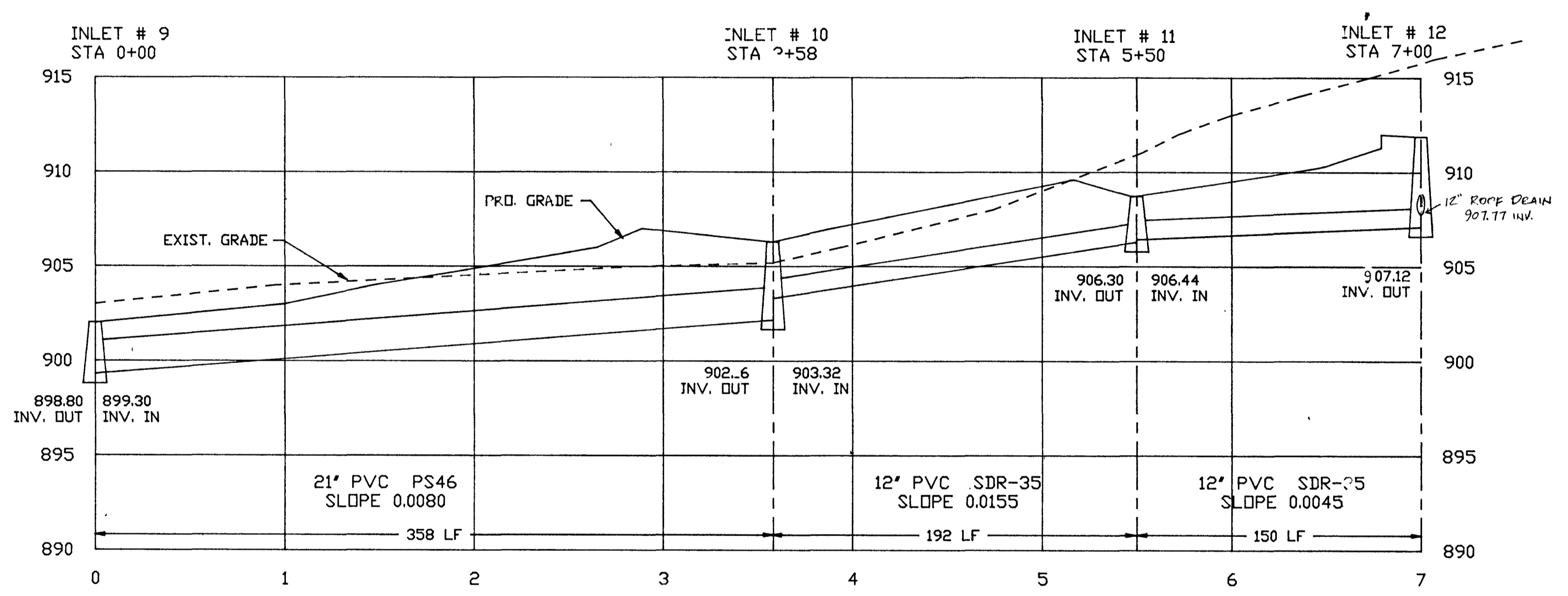
WAWASEE MIDDLE SCHOOL
 SITE PROFILES
 SYRACUSE, INDIANA

COMM. NO. 7814
 DATE 2/28/89
 DRAWN BY

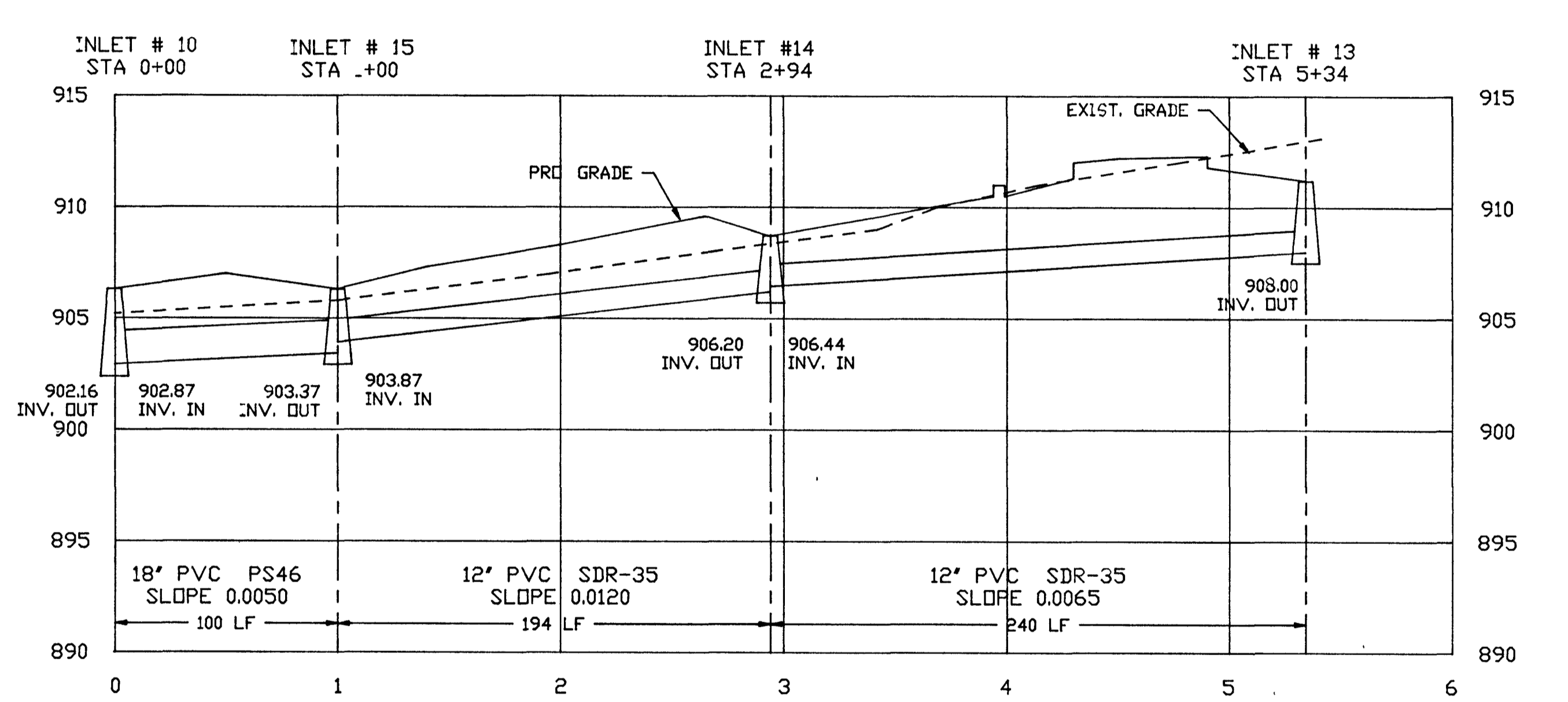
SP-4



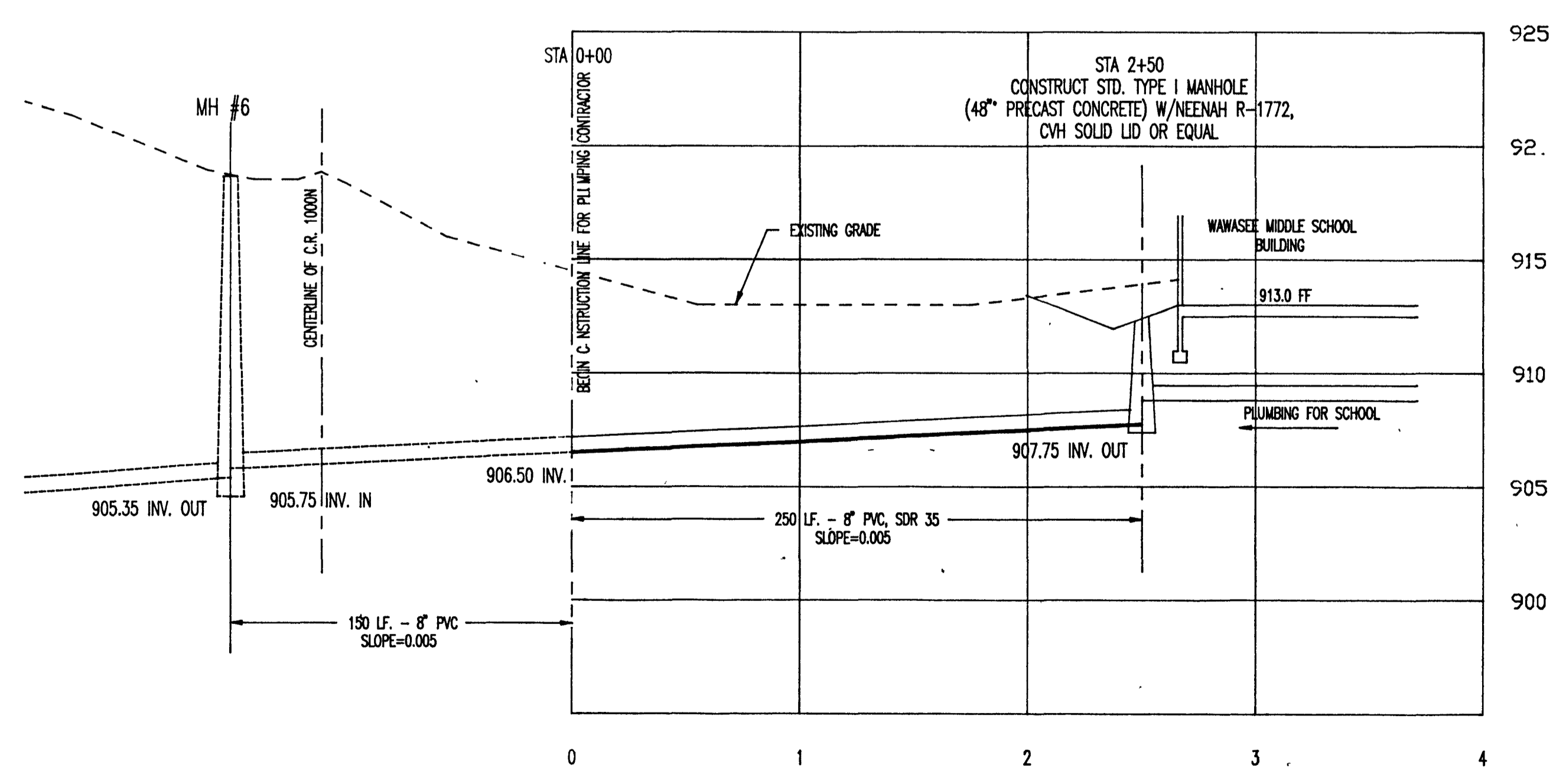
STORM SEWER LATERAL A HOR: 1"=50' VER: 1"=5'



STORM SEWER LATERAL B HOR: 1"=50' VER: 1"=5'



STORM SEWER LATERAL C HOR: 1"=50' VER: 1"=5'

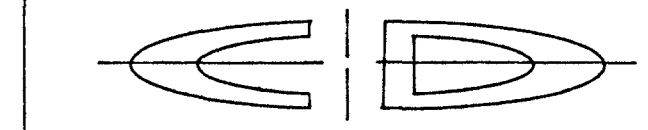


SNITARY SEWER BRANCH A HOR: 1"=50' VER: 1"=5'

CASTING SCHEDULE

INLET NUMBER	MANHOLE/INLET TYPE	CASTING (NEENAH)	GRATE/COVER TYPE
1	INLET TYPE 1	R-2560-F	BEEHIVE
2	INLET TYPE 1	R-2560-F	BEEHIVE
3	MANHOLE TYPE 1	R-1772	SOLID
4	MANHOLE TYPE 1	R-2560-F	BEEHIVE
5	MANHOLE TYPE 1	R-2501	C
6	MANHOLE TYPE 1	R-1772	SOLID
7	MANHOLE TYPE 1	R-1772	SOLID
8	MANHOLE TYPE 1	R-1772	SOLID
9	MANHOLE TYPE 1	R-2560-F	BEEHIVE
10	MANHOLE TYPE 1	R-1792-FG	OPEN
11	INLET 1	R-2501	C
12	INLET 1	R-2560-F	BEEHIVE
13	INLET 1	R-2501	C
14	INLET 1	R-2501	C
15	MANHOLE TYPE 1	R-1792-FG	OPEN

- STORM SEWER AND DRAINAGE CONSTRUCTION STANDARDS AND SPECIFICATIONS**
- All Construction and materials shall conform to the Kosciusko County, GENERAL SPECIFICATIONS AND CONSTRUCTION STANDARDS.
 - All Polyvinyl Chloride Pipe (PVC) shall conform to ASTM Specification D-3034, Class 1245A-B ASTM D-1784, SDR-35.
 - All PVC Large Diameter Ribbed Pipe (18" to 48" diameter) shall conform to ASTM Specification F 794-83 with elastomeric seal joints (ASTM F-877), Class PS 10 and PS N6. Use Permatloc Pipe by J-M Pipe, J-M Manufacturing Co.
 - All PVC joints shall conform to ASTM Specification D-3212 for elastomeric gasket joints conforming to ASTM F-727.
 - All Corrugated Metal Pipe (CMP) shall conform to ASTM Specification A-444 with gauge shown on plans.
 - All manholes to be Standard Type I, 48 inch diameter precast reinforced concrete, unless otherwise noted.
 - All precast concrete manhole components (cones, adjusting rings, sections, etc.) shall conform to ASTM Specification C-478.
 - All inlets noted as Standard Type I inlets, to be 30 inch diameter reinforced concrete pipe Class III set on 6" poured concrete base, in accordance with applicable local standard details.
 - All inlets noted as Standard Type II inlets to be 33" diameter reinforced concrete pipe Class III set on 6" poured concrete base in accordance with applicable local standard details.
 - All inlets noted as Standard Type III inlets to be precast 24" x 36" reinforced concrete (3000 psi) box in accordance with applicable local standard details.
 - All manhole frames to be Neenah R-1772 casting with solid lids or equal, unless otherwise noted.
 - All Beehive Casting shall be Neenah R 4351-D with R 1772 frame unless otherwise noted.
 - Pipe Bedding - Class III Bedding for Flexible Pipe, pipe shall be bedded in granular fill which shall be carried 12 inches above the top of pipe.
 - All sewer trenches within the road right-of-way, under parking lots, drives, sidewalks and existing pipes shall be backfilled with # 73 Aggregates, compacted, unless otherwise noted.
 - Any existing pipe or tiles which are cut during construction shall be replaced with equal or better materials and construction methods.
 - Any pavement or improved road surface or sidewalk cut during construction shall be replaced with equal or better materials and construction methods.
 - All permits required for the execution of the work shall be obtained and paid for by the Contractor except the Contractor shall not be responsible for the payment of area connection fees.
 - All flexible and semi-rigid pipe will be tested for deflection.

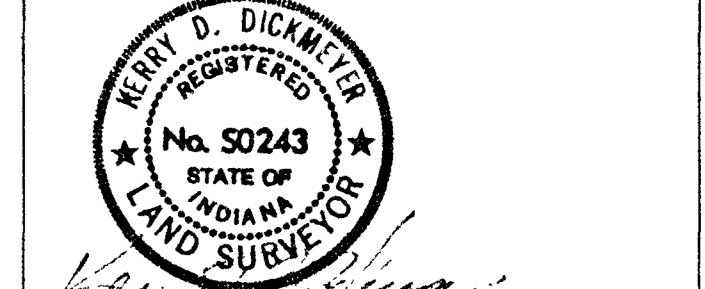


CONSULTANTS:

BARTON COE VILAMAA

ARCHITECTS-ENGINEERS
 225 AIRPORT NORTH
 OFFICE PARK
 FORT WAYNE, INDIANA

CERTIFICATION:



**PROPOSED
 WAWASEE
 MIDDLE
 SCHOOL**

**ACCELERATION/
 DECELERATION
 LANE DETAILS**

**FOR:
 WAWASEE
 COMMUNITY
 SCHOOLS
 SYRACUSE,
 IND.**

COMM. NO. 8714
 DATE 2/28/89

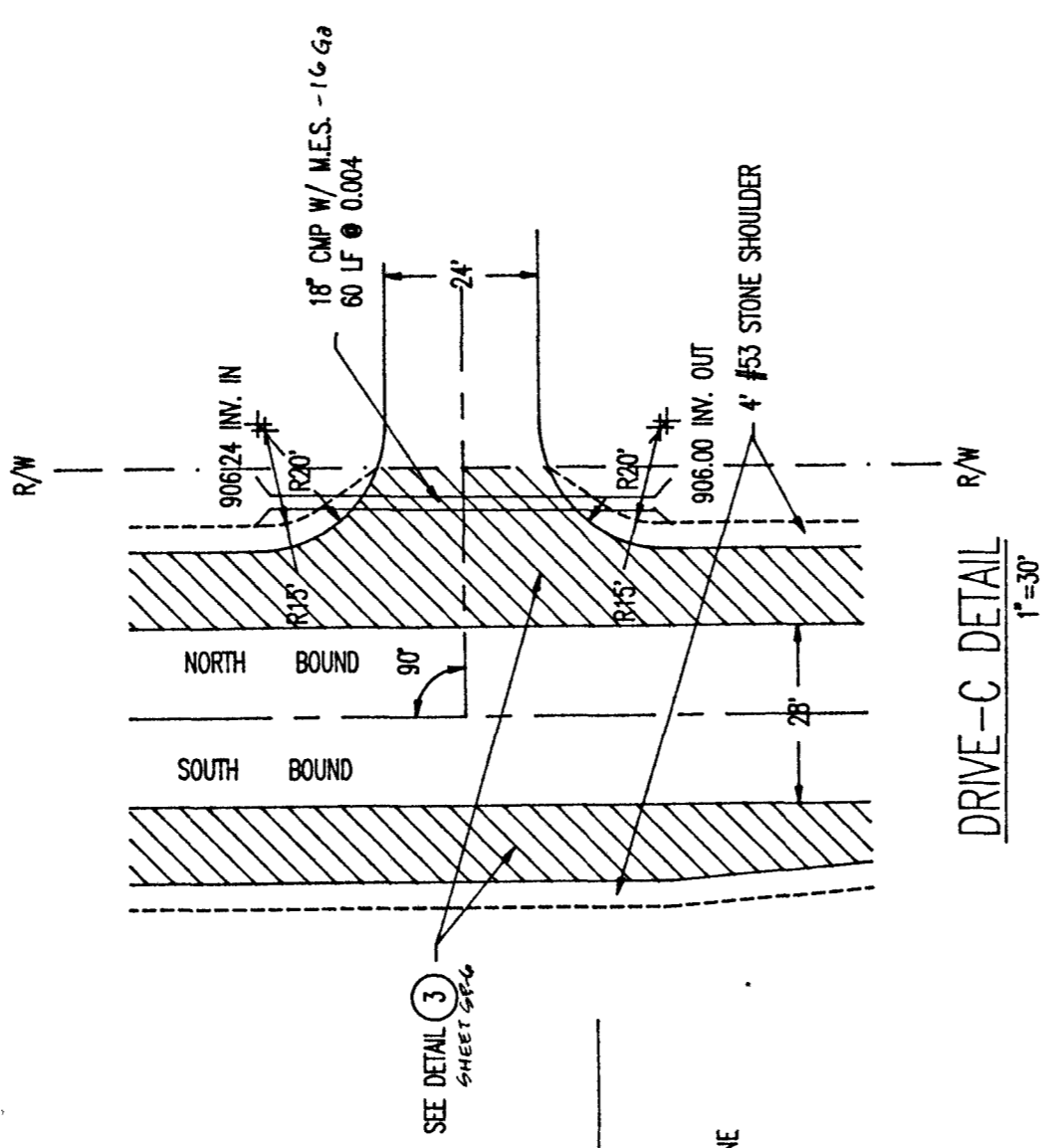
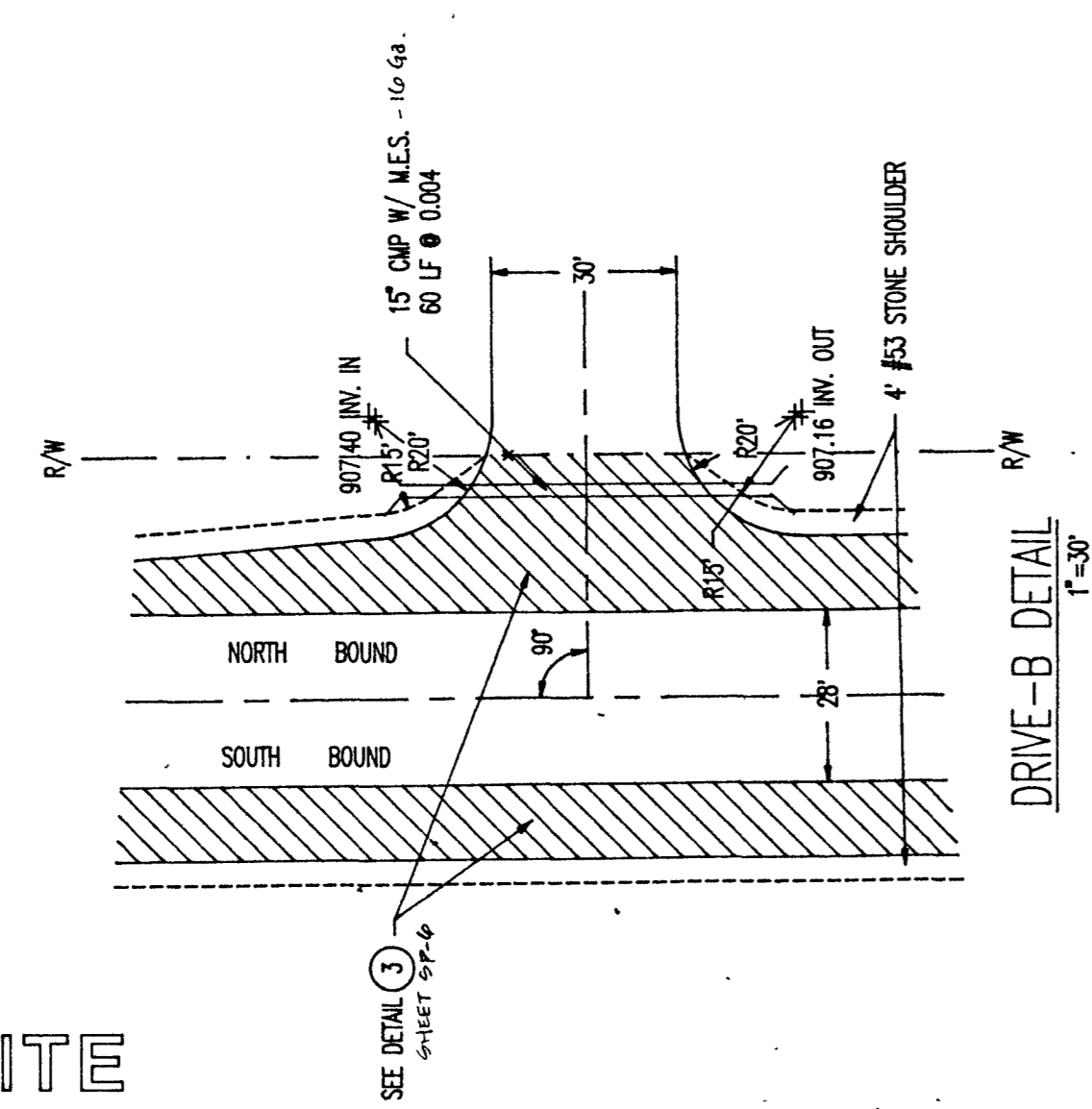
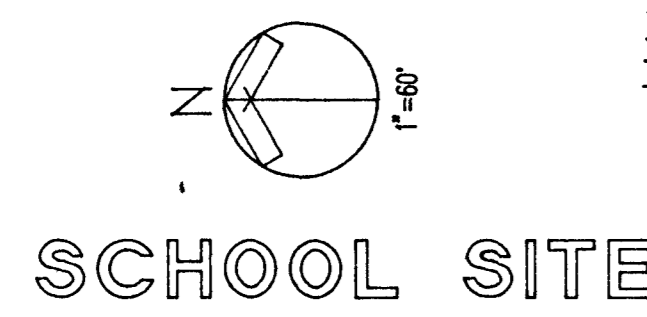
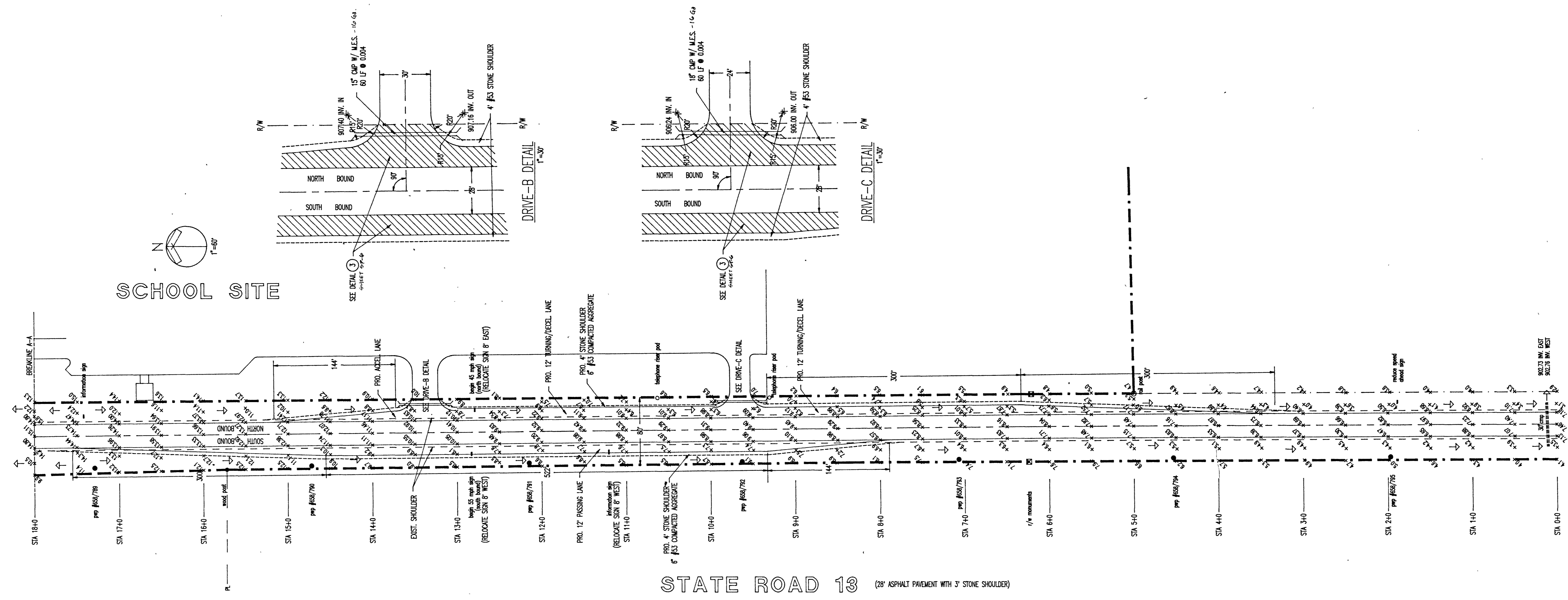
REVISIONS:

CAD FILE NAME:
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DATE: JAN. 9th, 1989 SCALE: 1"=60'

SHEET NO:

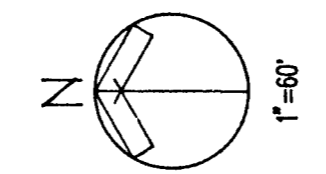
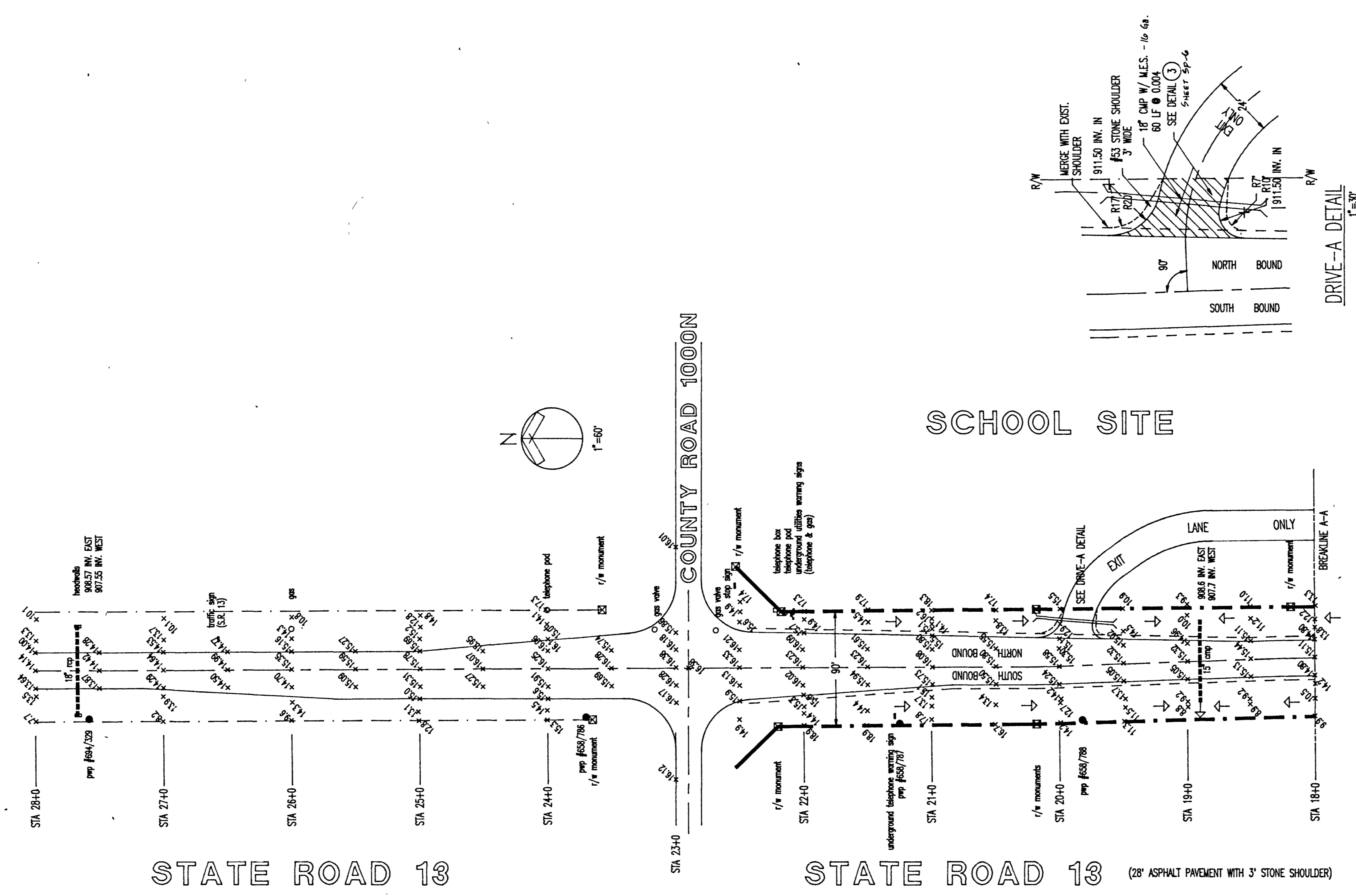
SP-5



STATE ROAD 13 (28' ASPHALT PAVEMENT WITH 3' STONE SHOULDER)

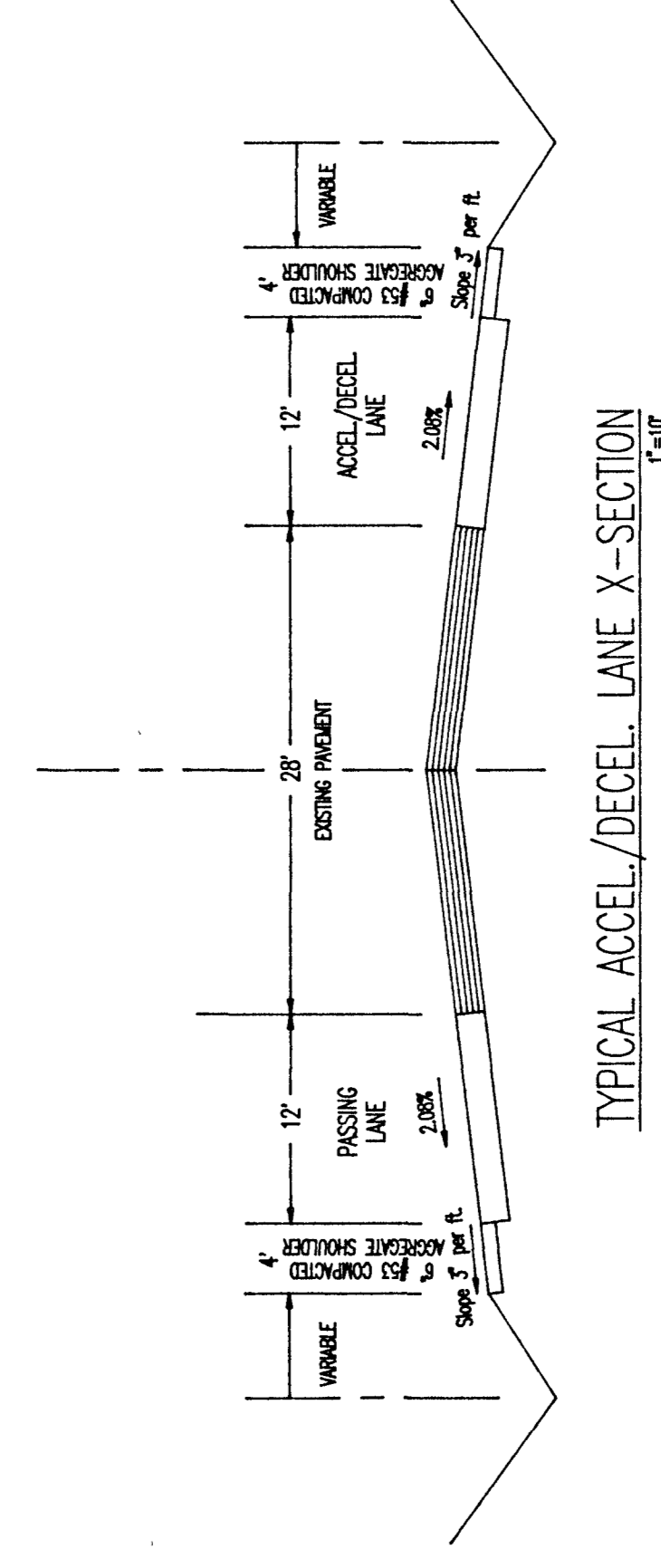
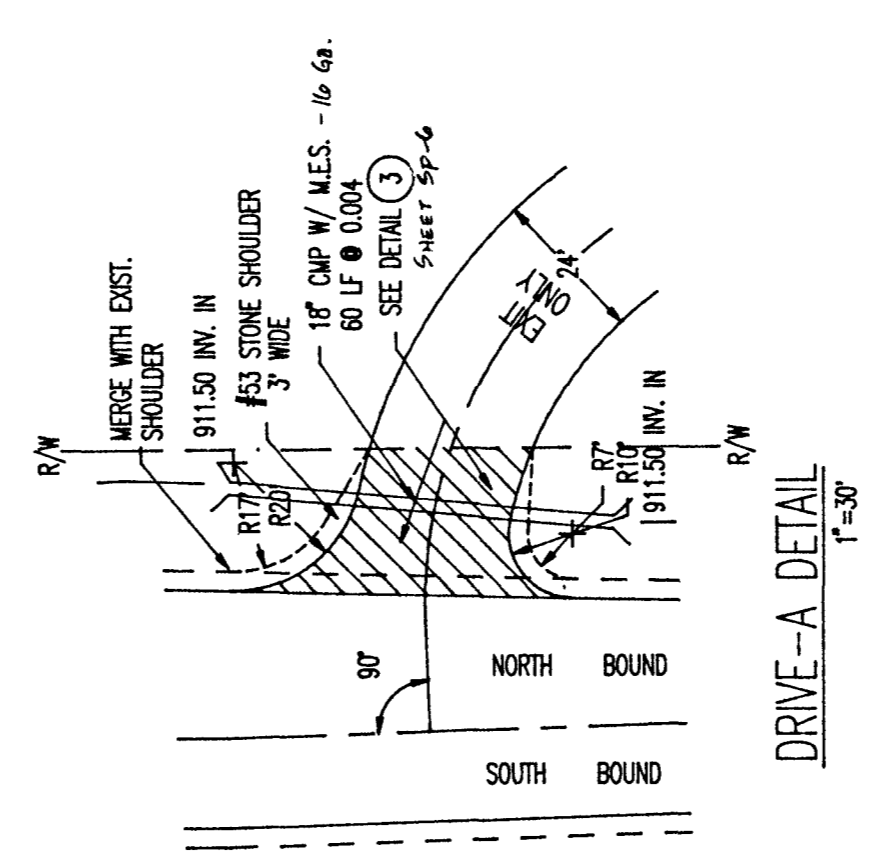
A tract of land being a part of the Northeast Quarter of Section 27, Township 34 North, Range 7 East, 2nd P.M., Turkey Creek Township, Kosciusko County, Indiana, containing 41.38 acres, more or less, more particularly described as follows:

Beginning at the Northwest corner of the Northeast Quarter of said Section 27, said point being the intersection of the centerlines of State Road #13 and County Road 1000 North; thence South 88 degrees 48 minutes 18 seconds East, along the North line of said Northeast Quarter and along said County Road 1000 North, 618.68 feet; thence South 00 degrees 51 minutes 55 seconds West, along a woven wire fence, 307.67 feet to a concrete corner post; thence South 89 degrees 16 minutes 00 seconds East, along a woven wire fence 220.09 feet; thence South 00 degrees 52 minutes 18 seconds West, 155.13 feet to a railroad rail corner post; thence South 89 degrees 13 minutes 54 seconds East, along a woven wire fence, 251.19 feet to a 1/2-inch iron bar; thence South 03 degrees 01 minutes 58 seconds West, 1348.05 feet to a railroad corner post; thence North 87 degrees 50 minutes 43 seconds West, 1108.27 feet to a point on the West line of said Northeast Quarter and on the centerline of said State Road #13; thence North 03 degrees 08 minutes 29 seconds East, along the West line of said Northeast Quarter and along said State Road #13, 1788.97 feet to the point of beginning.

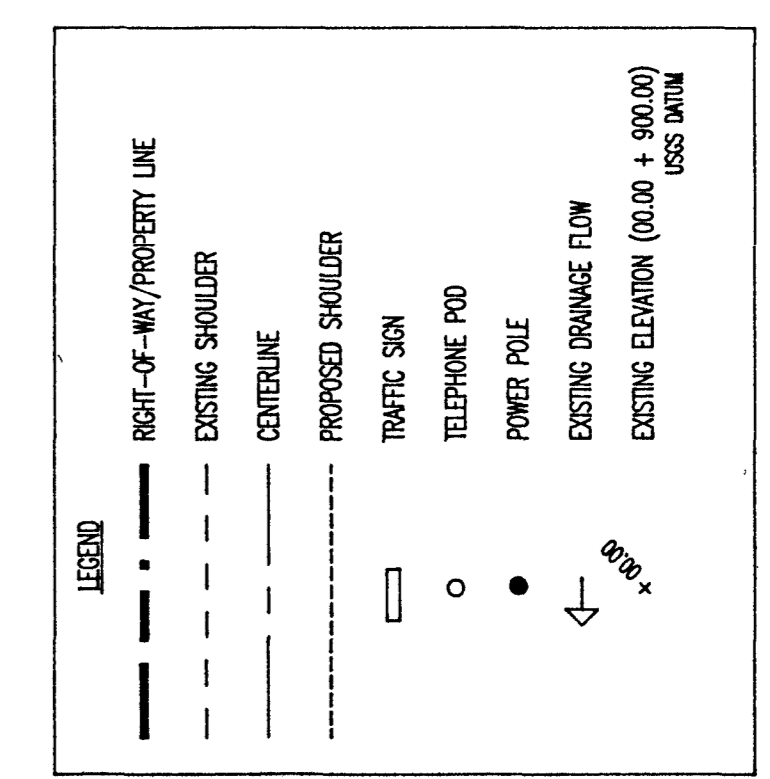


STATE ROAD 13

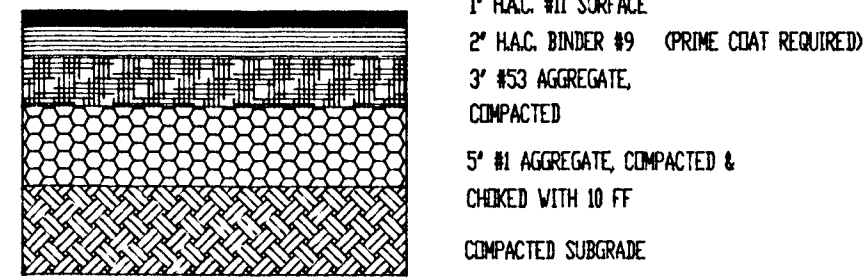
STATE ROAD 13 (28' ASPHALT PAVEMENT WITH 3' STONE SHOULDER)



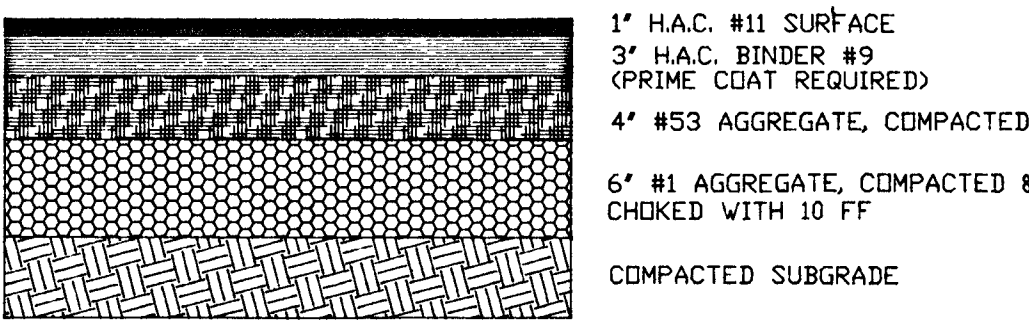
- NOTE:
- SEE SHEETS SP-1, SP-2, AND SP-3 FOR SITE, DRAINAGE & PAVEMENT DETAILS.
 - CONSTRUCTION METHODS & MATERIALS TO CONFORM WITH INDIANA DEPT. OF TRANSPORTATION & INFRASTRUCTURE SPECIFICATIONS.
 - TRAFFIC CONTROL USING CONSTRUCTION TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



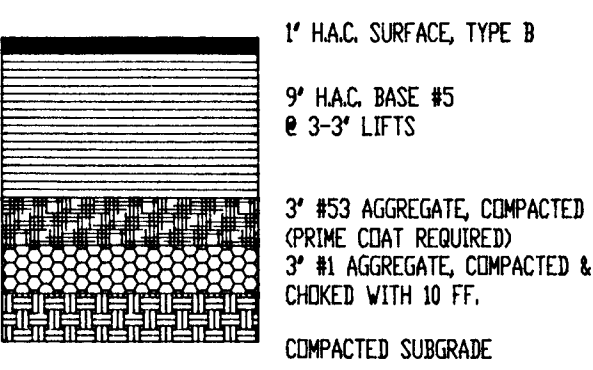
ACCELERATION & DECELERATION LANE
 SCALE 1" = 60' - 0"



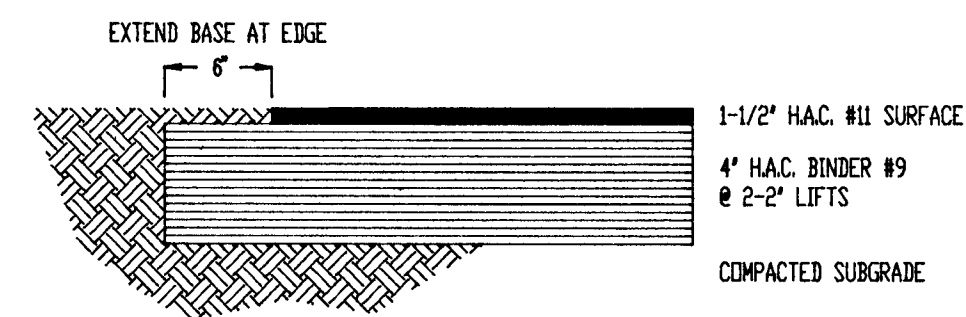
1 TYPICAL ASPHALT PAVEMENT FOR PARKING AREAS ONLY



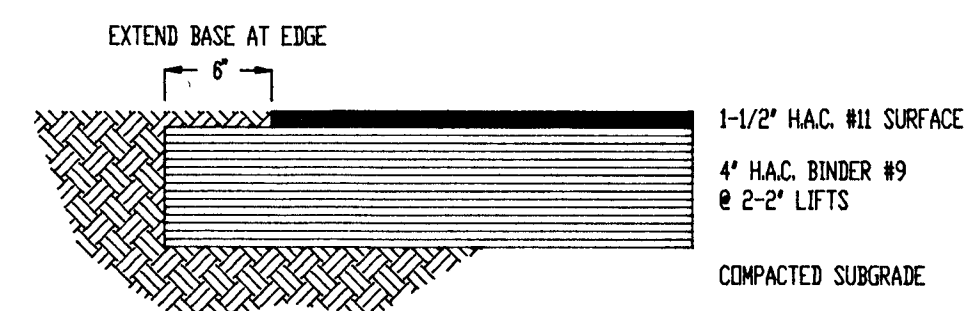
2 TYPICAL ASPHALT PAVEMENT FOR DRIVE ONLY



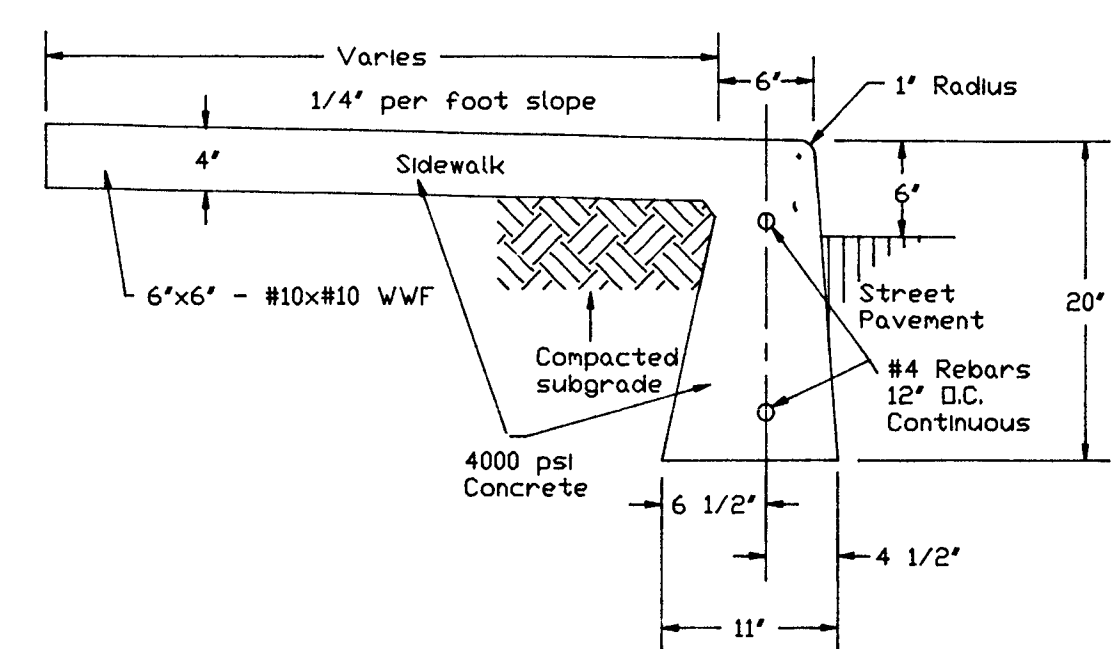
3 TYPICAL ASPHALT PAVEMENT FOR ACCELERATION, DECELERATION, PASSING LANES, AND PAVING WITHIN R/W I.D.O.H. STANDARD



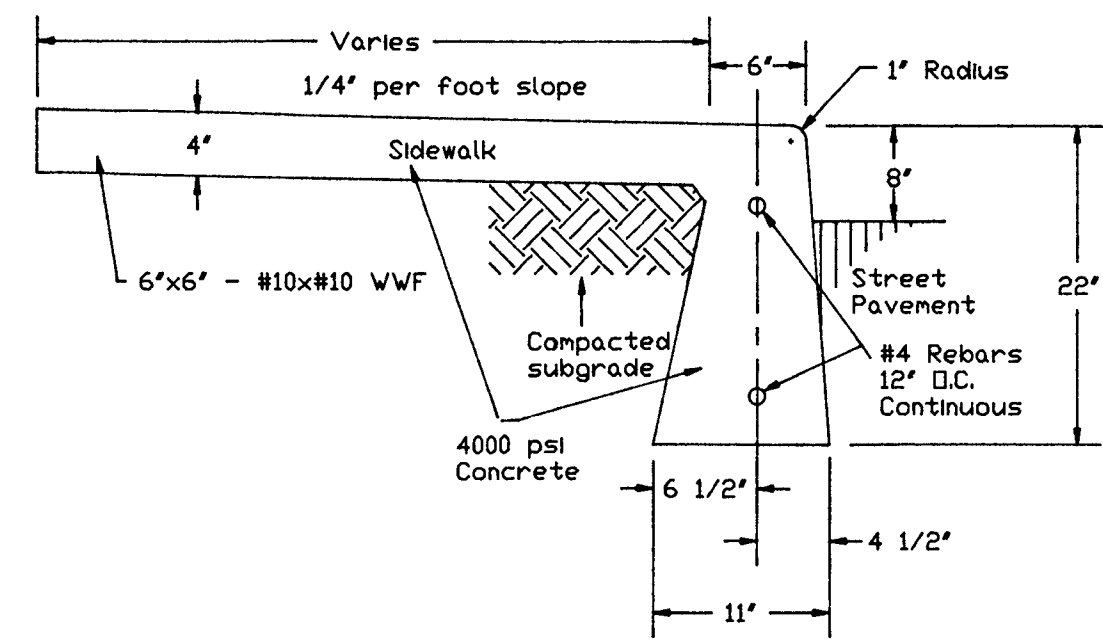
4 TYPICAL TENNIS COURT SURFACE



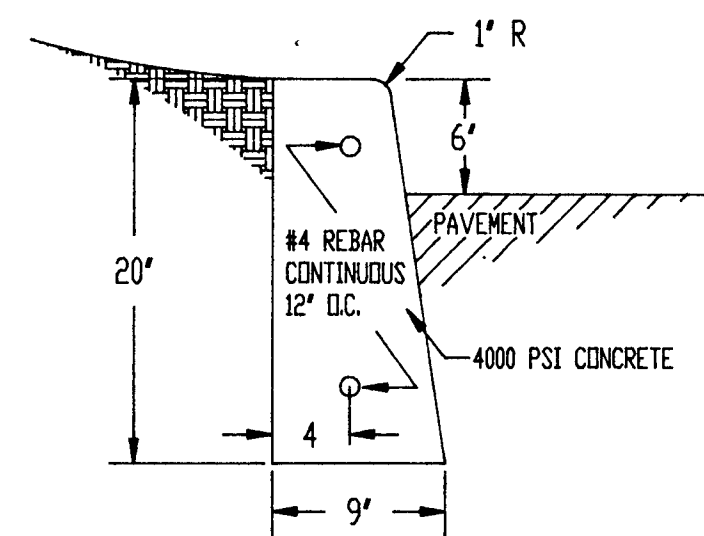
5 TYPICAL TRACK SURFACE



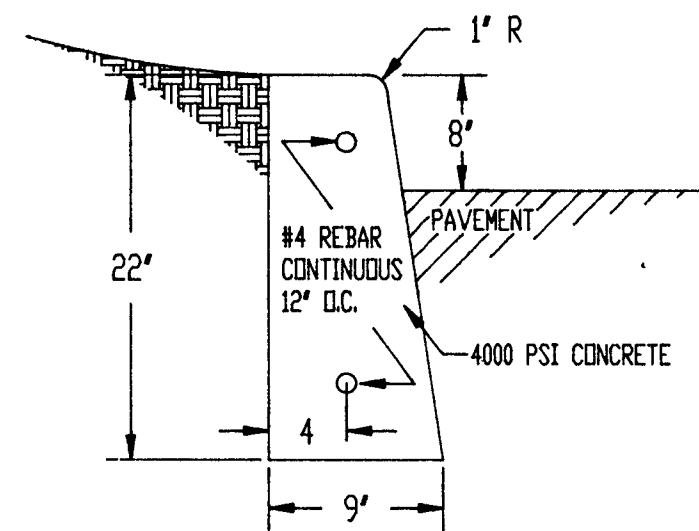
6 TYPICAL CURB/WALK DETAIL



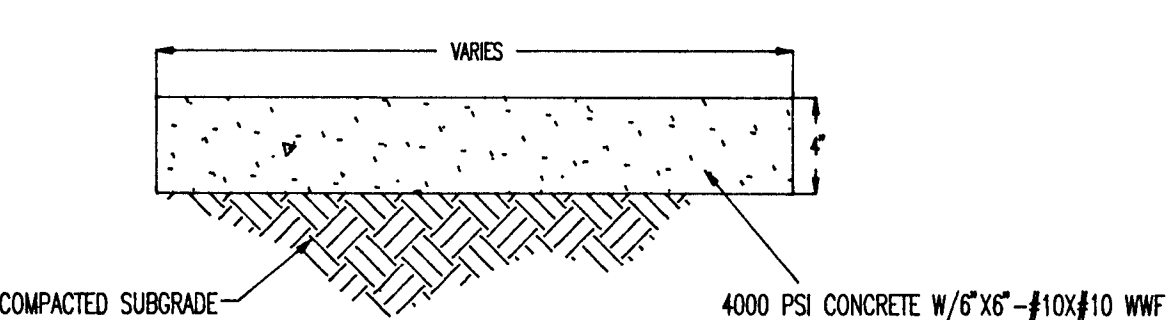
7 TYPICAL CURB/WALK DETAIL



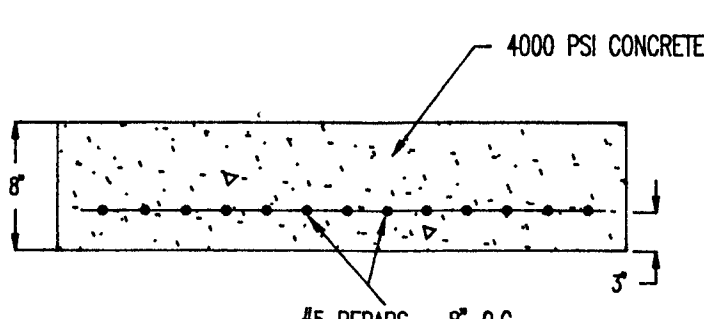
8 TYPICAL CURB



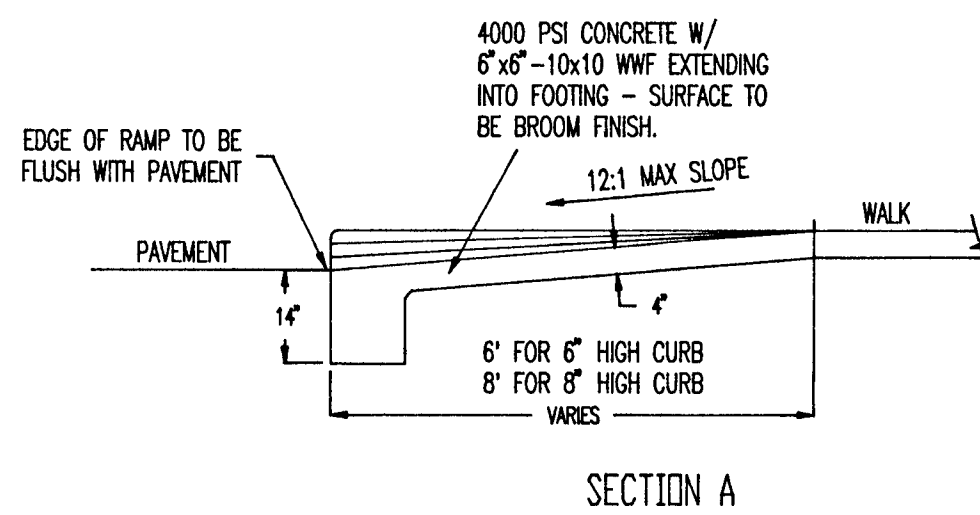
9 TYPICAL CURB



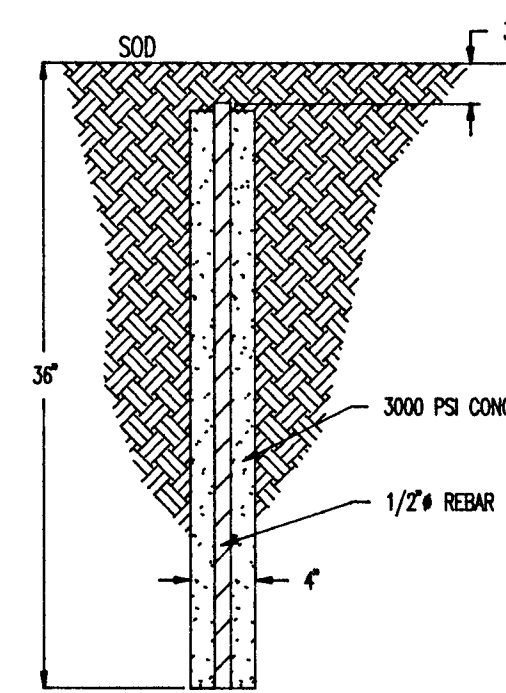
10 TYPICAL WALK DETAIL



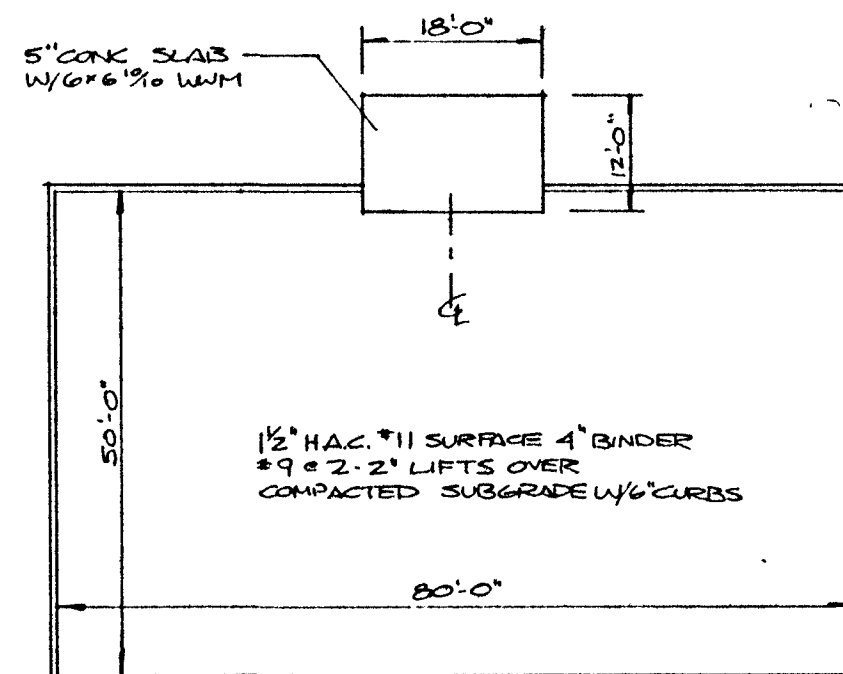
11 CONCRETE PAD SECTION



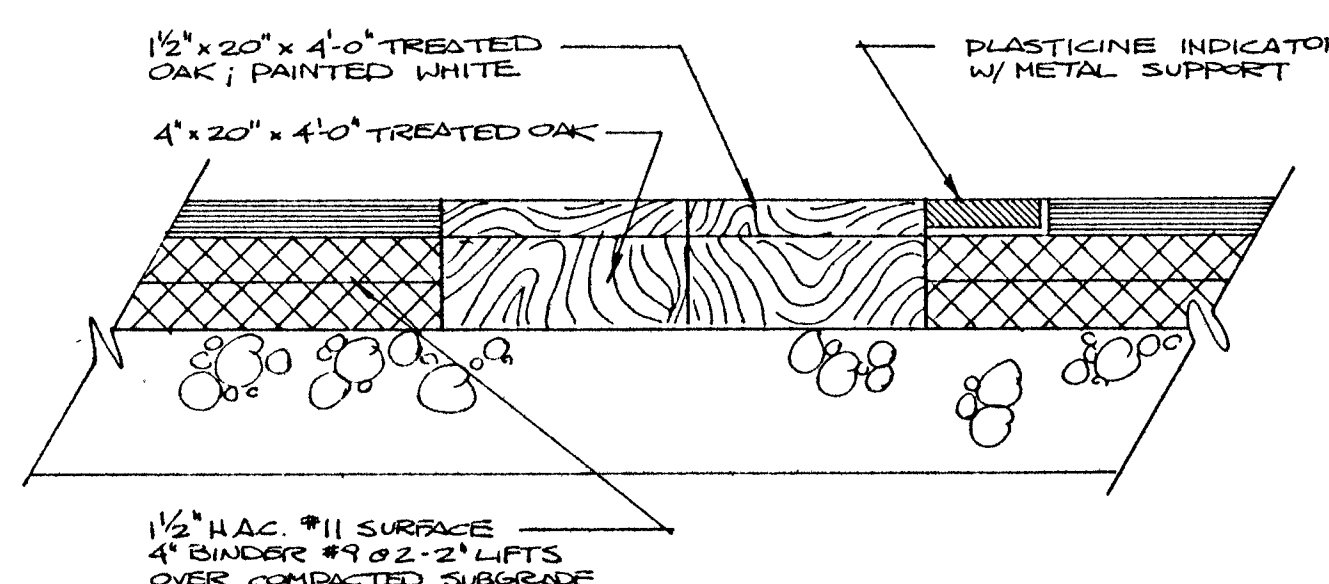
12 HANDICAP RAMP DETAIL



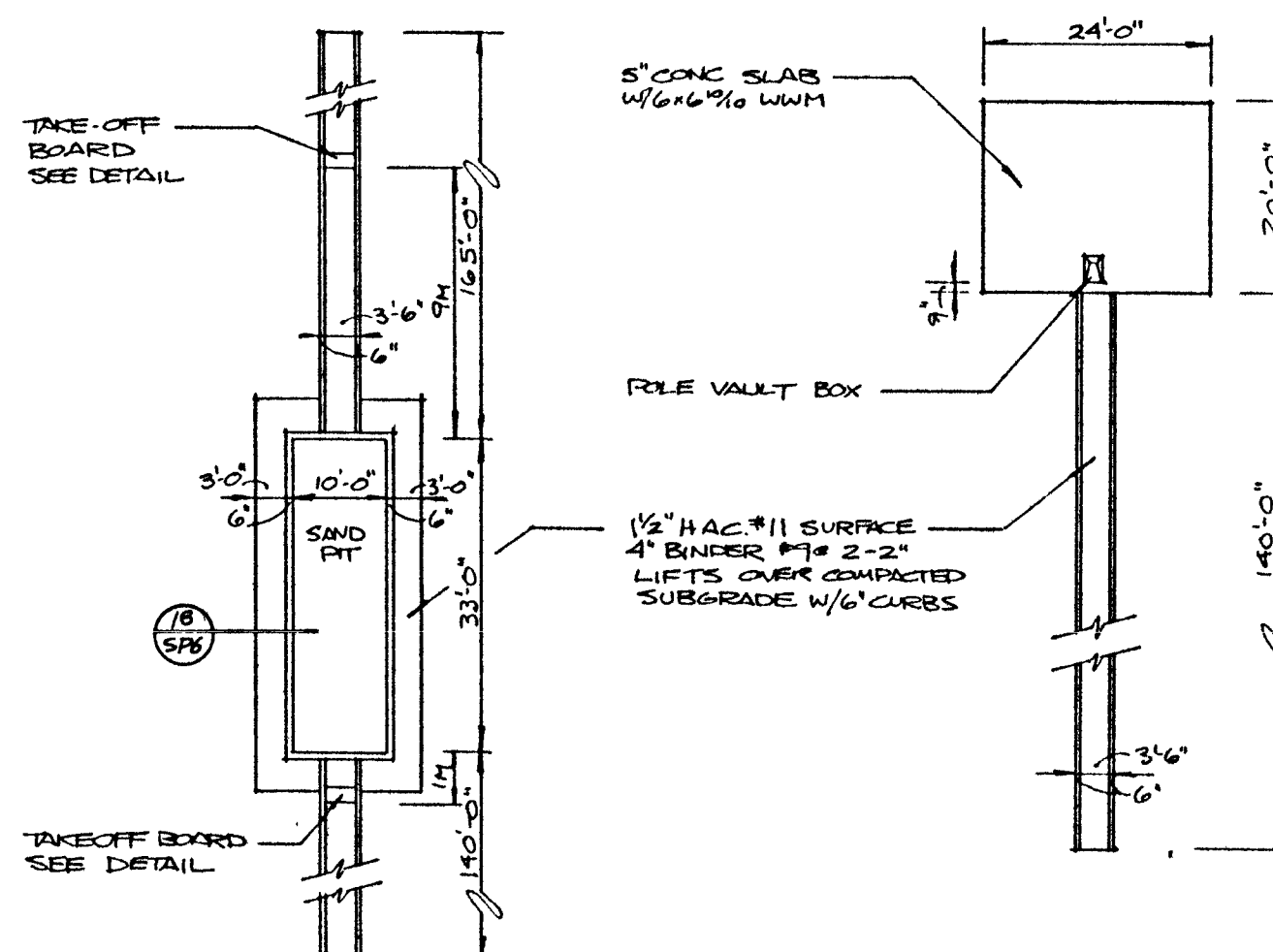
13 CONCRETE RADII MONUMENT



14 HIGH JUMP SCALE 1" = 20'-0"

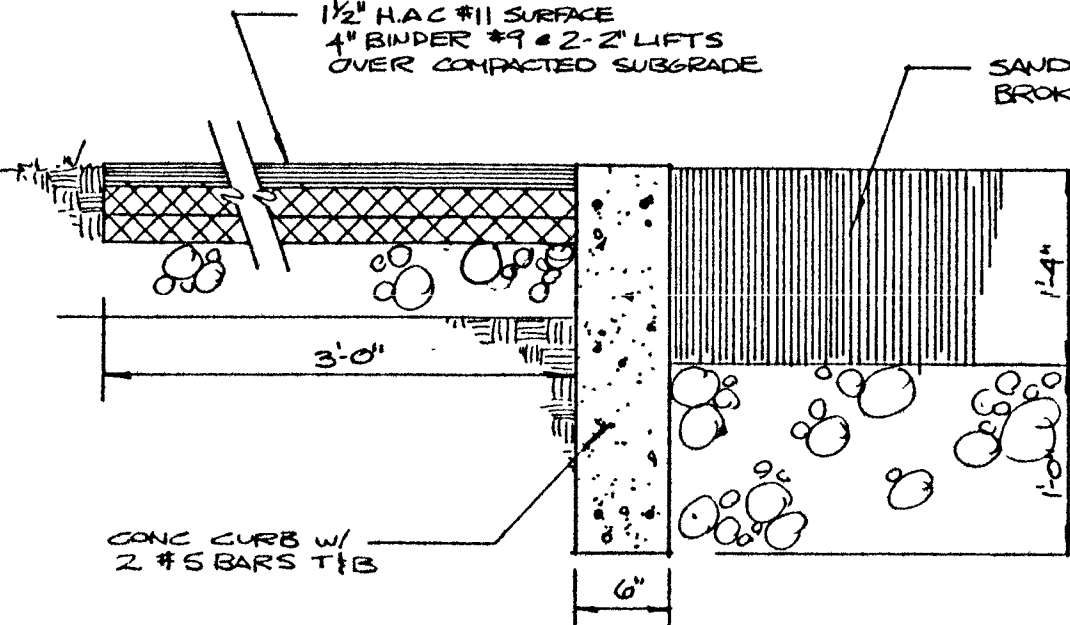


15 TAKEOFF BOARD SCALE 1 1/2" = 1'-0"

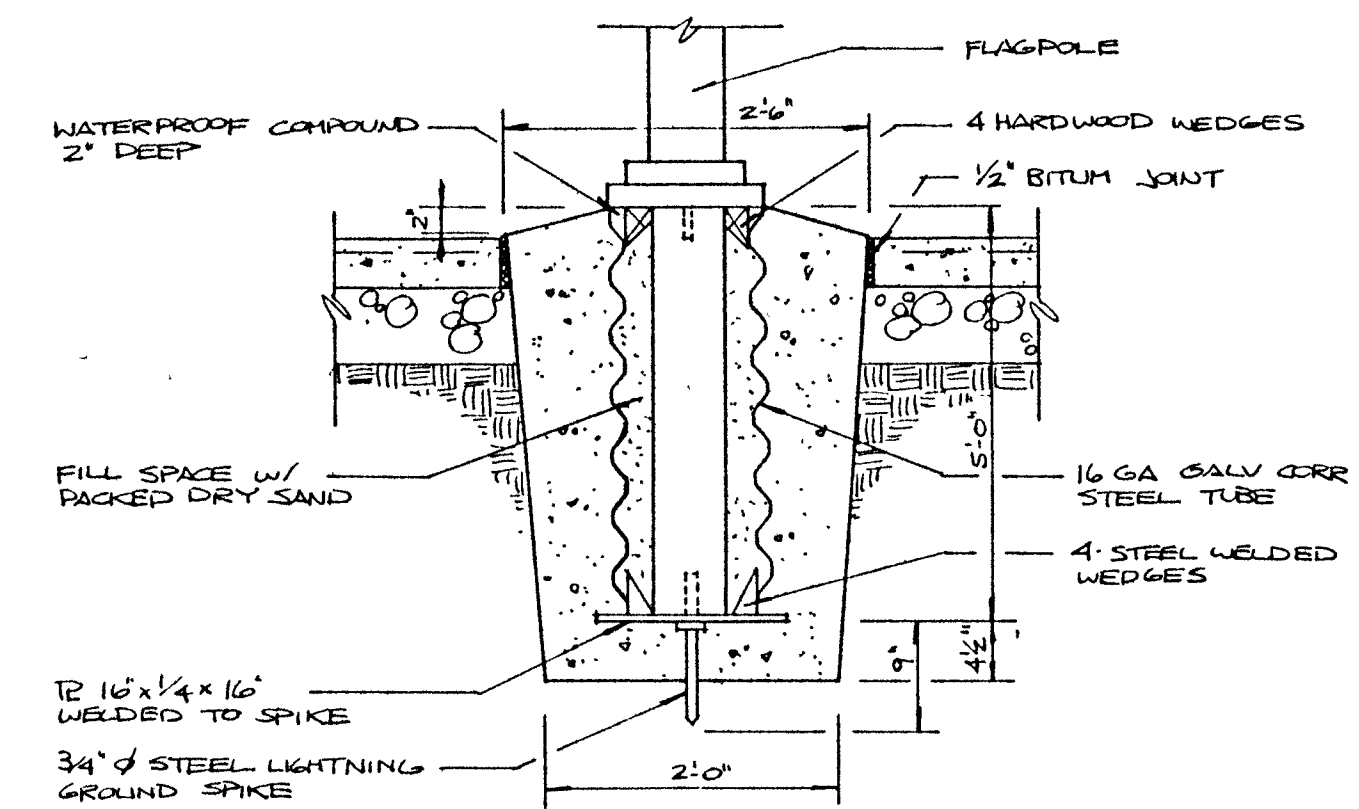


16 TRIPLE & LONG JUMP SCALE 1" = 20'-0"

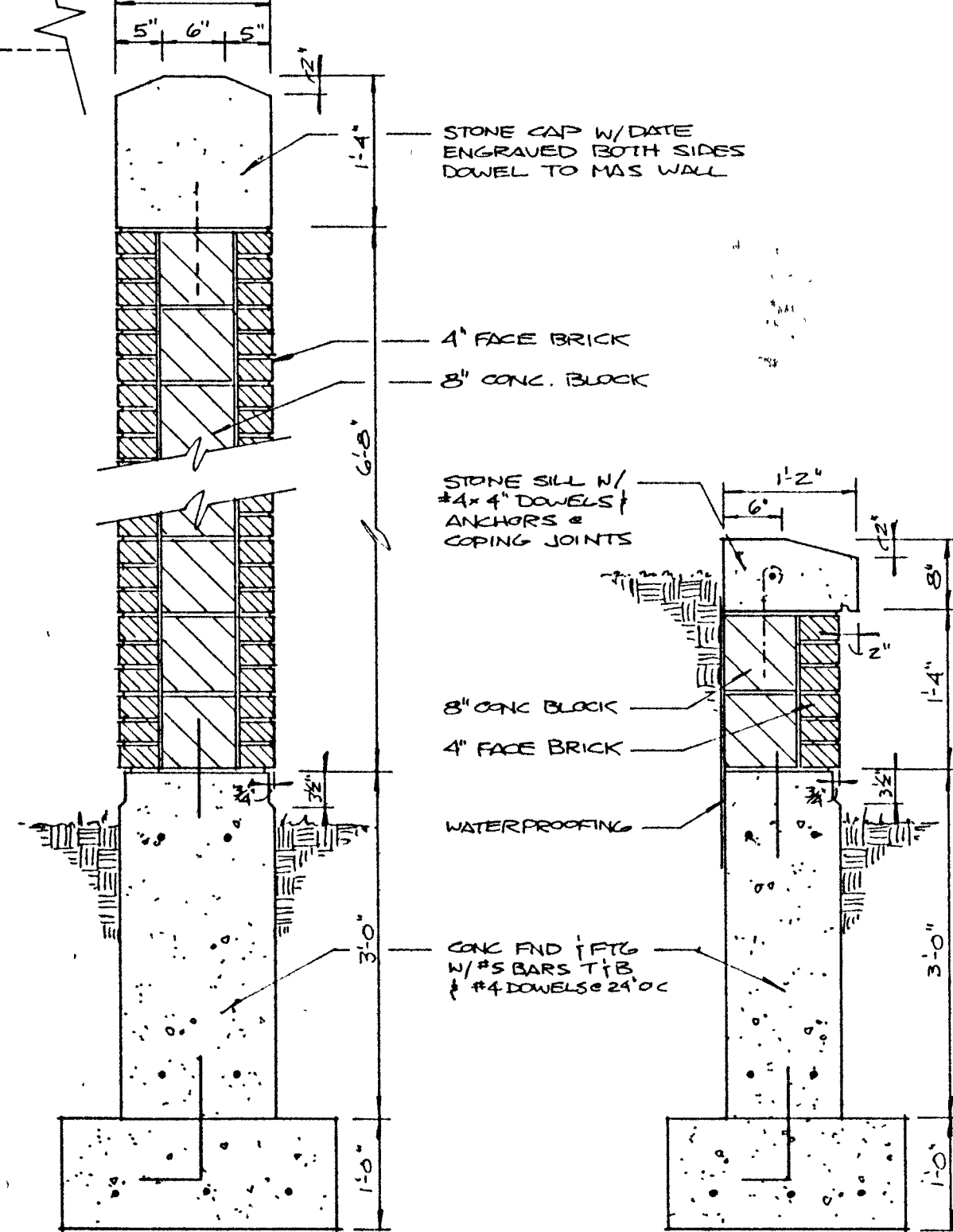
17 POLE VAULT SCALE 1" = 20'-0"



18 SAND PIT CURB SCALE 1" = 1'-0"

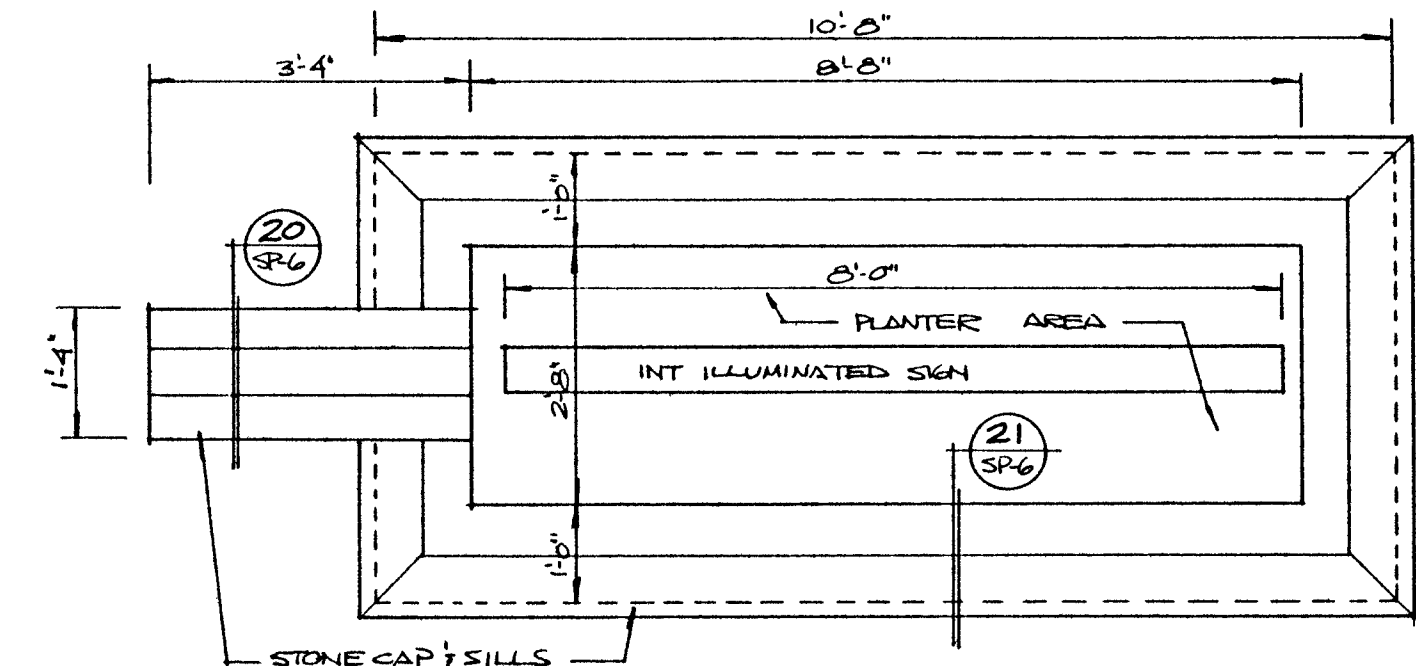


19 FLAGPOLE DETAIL SCALE 3/4" = 1'-0"

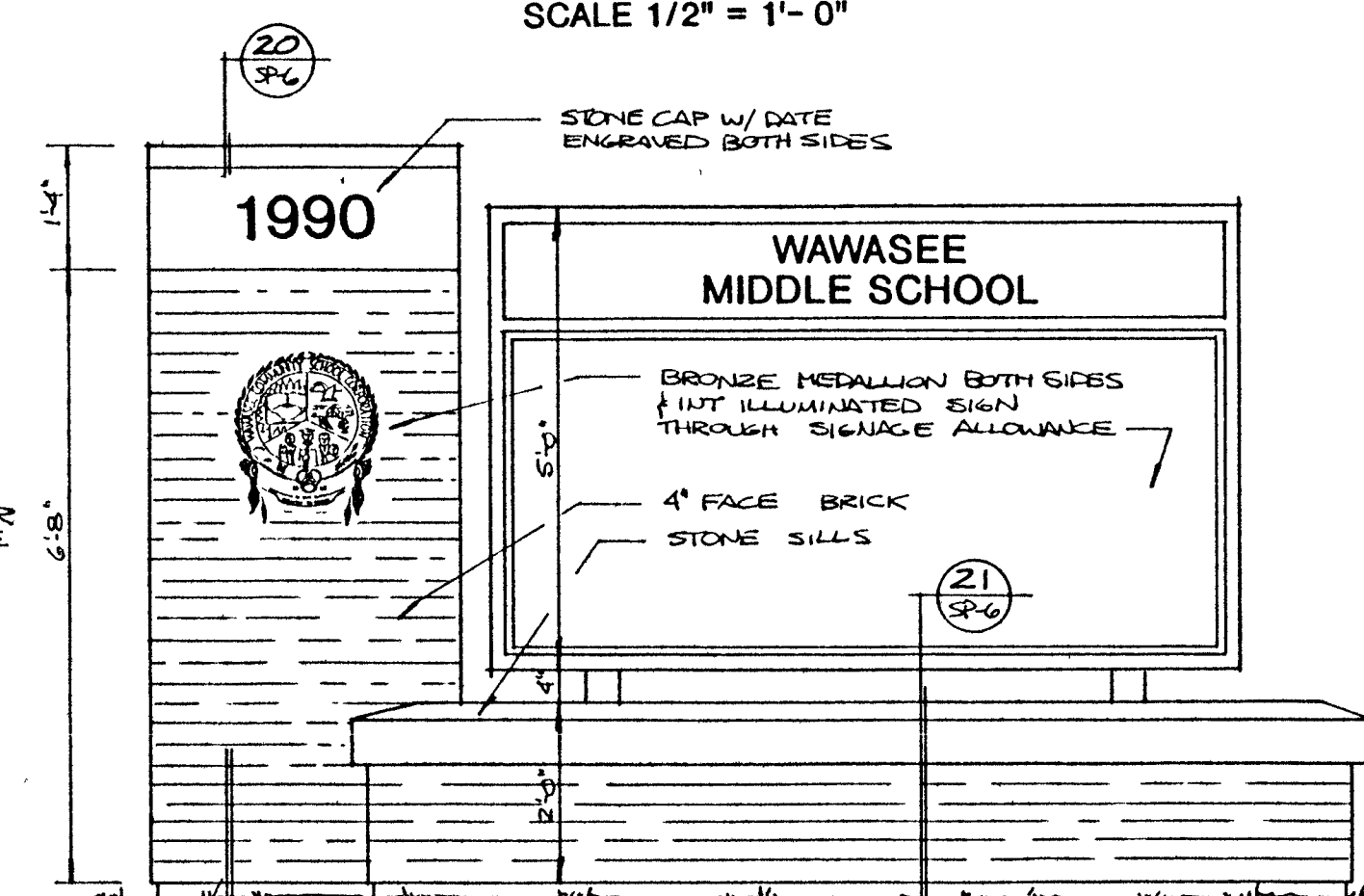


20 SIGN SECTION SCALE 3/4" = 1'-0"

21 PLANTER SECTION SCALE 3/4" = 1'-0"



22 EXTERIOR SIGN PLAN SCALE 1/2" = 1'-0"



23 EXTERIOR SIGN ELEVATION SCALE 1/2" = 1'-0"

NOTE: ALL DETAILS, UNLESS SPECIFIED ARE NOT TO SCALE

MISCELLANEOUS SITE DETAILS



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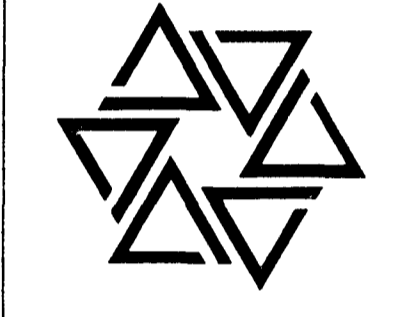
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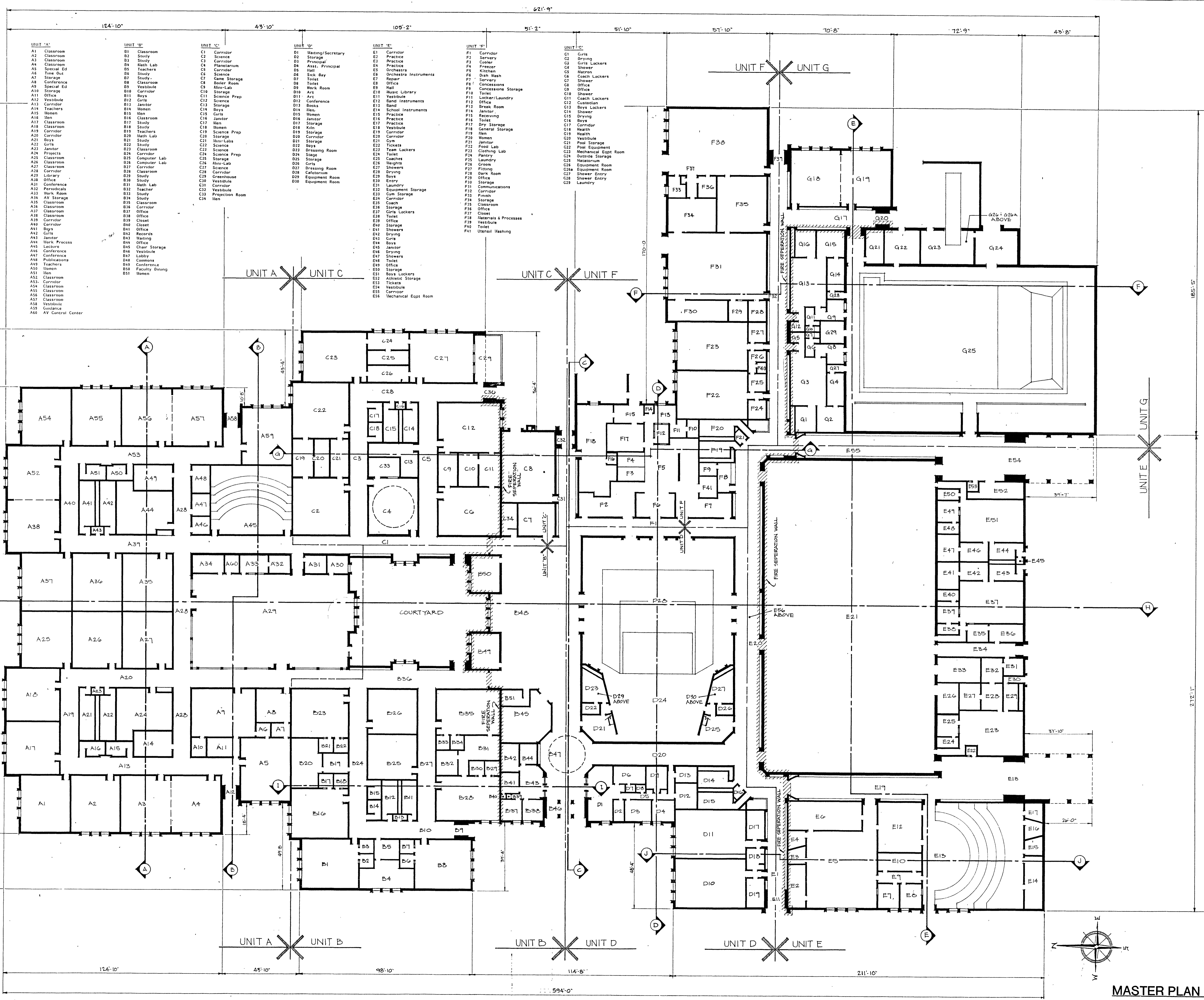
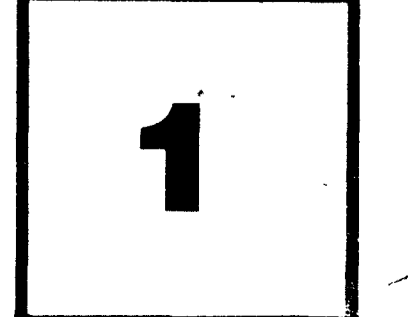


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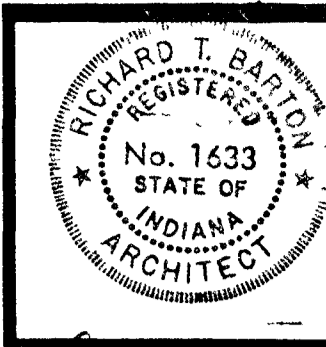
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WAWASEE COMMUNITY SCHOOL CORP.
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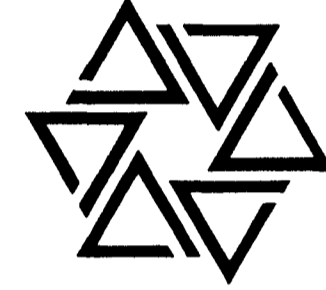
UNIT 'A'	UNIT 'B'	UNIT 'C'	UNIT 'D'	UNIT 'E'	UNIT 'F'	UNIT 'G'
A1 Classroom	B1 Classroom	C1 Corridor	D1 Waiting/Secretary	E1 Corridor	F1 Corridor	G1 Girls
A2 Classroom	B2 Study	C2 Science	D2 Storage	E2 Practice	F2 Servery	G2 Girls Lockers
A3 Classroom	B3 Study	C3 Corridor	D3 Principal	E3 Practice	F3 Cooler	G3 Shower
A4 Classroom	B4 Math Lab	C4 Planetarium	D4 Asst. Principal	E4 Practice	F4 Freezer	G4 Shower
A5 Social Ed	B5 Teachers	C5 Corridor	D5 Hall	E5 Orchestra	F5 Kitchen	G5 Matron
A6 Time Out	B6 Study	C6 Science	D6 Sick Bay	E6 Orchestra Instruments	F6 Dish Wash	G6 Coach Lockers
A7 Storage	B7 Study	C7 Game Storage	D7 Toilet	E7 Repair	F7 Servery	G7 Office
A8 Conference	B8 Classroom	C8 Boiler Room	D8 Toilet	E8 Office	F8 Concessions	G8 Office
A9 Special Ed	B9 Vestibule	C9 Mtn-Lab	D9 Work Room	E9 Mail	F9 Concessions Storage	G9 Office
A10 Storage	B10 Storage	C10 Science Prep	D10 Storage	E10 Music Library	F10 Locker/Laundry	G10 Shower
A11 Office	B11 Boys	C11 Science	D11 Art	E11 Vestibule	F11 Janitor	G11 Coach Lockers
A12 Vestibule	B12 Girls	C12 Science	D12 Art	E12 Music Library	F12 Office	G12 Custodian
A13 Corridor	B13 Janitor	C13 Storage	D13 Conference	E13 Band	F13 Break Room	G13 Boys Lockers
A14 Teachers	B14 Women	C14 Science	D14 Men	E14 Band Instruments	F14 Janitor	G14 Shower
A15 Men	B15 Men	C15 Girls	D15 Men	E15 Band Instruments	F15 Receiving	G15 Shower
A16 Men	B16 Women	C16 Science	D16 Janitor	E16 Practice	F16 Toilet	G16 Boys
A17 Classroom	B17 Study	C17 Men	D17 Storage	E17 Practice	F17 Dry Storage	G17 Corridor
A18 Classroom	B18 Study	C18 Women	D18 Kin	E18 Practice	F18 General Storage	G18 Health
A19 Corridor	B19 Teachers	C19 Science Prep	D19 Storage	E19 Corridor	F19 Men	G19 Vestibule
A20 Corridor	B20 Math Lab	C20 Storage	D20 Corridor	E20 Corridor	F20 Women	G20 Pool Storage
A21 Boys	B21 Study	C21 Non-Labs	D21 Storage	E21 Janitor	F21 Janitor	G21 Pool Equipment
A22 Girls	B22 Classroom	C22 Science	D22 Boys	E22 Tickets	F22 Food Lab	G22 Mechanical Eqt Room
A23 Junior	B23 Classroom	C23 Science	D23 Dressing Room	E23 Team Lockers	F23 Clothing Lab	G23 Outside Storage
A24 Projects	B24 Corridor	C24 Science Prep	D24 Steps	E24 Coaches	F24 Pantry	G24 Natatorium
A25 Classroom	B25 Computer Lab	C25 Storage	D25 Storage	E25 Coaches	F25 Laundry	G25 Equipment Room
A26 Classroom	B26 Computer Lab	C26 Girls	D26 Girls	E26 Groceries	F26 Groom	G25 Equipment Room
A27 Classroom	B27 Corridor	C27 Science	D27 Dressing Room	E27 Showers	F27 Fitting	G25 Equipment Room
A28 Classroom	B28 Classroom	C28 Corridor	D28 Cafeterium	E28 Groceries	F28 Dark Room	G25 Equipment Room
A29 Library	B29 Study	C29 Greenhouse	D29 Equipment Room	E29 Boys	F29 Office	G25 Equipment Room
A30 Office	B30 Office	C30 Vestibule	D30 Equipment Room	E30 Laundry	F30 Storage	G25 Equipment Room
A31 Conference	B31 Math Lab	C31 Corridor	D31 Projection Room	E31 Equipment Storage	F31 Corridor	G25 Equipment Room
A32 Periodicals	B32 Teacher	C32 Vestibule	D32 Projection Room	E32 Gym Storage	F32 Corridor	G25 Equipment Room
A33 Work Room	B33 Study	C33 Storage	D33 Projection Room	E33 Gym Storage	F33 Corridor	G25 Equipment Room
A34 Classroom	B34 Study	C34 Men	D34 Projection Room	E34 Corridor	F34 Corridor	G25 Equipment Room
A35 Classroom	B35 Study			E35 Corridor	F35 Classroom	G25 Equipment Room
A36 Classroom	B36 Corridor			E36 Corridor	F36 Office	G25 Equipment Room
A37 Classroom	B37 Office			E37 Girls Lockers	F37 Office	G25 Equipment Room
A38 Classroom	B38 Office			E38 Toilet	F38 Materials & Processes	G25 Equipment Room
A39 Corridor	B39 Closet			E39 Storage	F39 Vestibule	G25 Equipment Room
A40 Corridor	B40 Closet			E40 Showers	F40 Toilet	G25 Equipment Room
A41 Boys	B41 Office			E41 Drying	F41 Utensil Washing	G25 Equipment Room
A42 Girls	B42 Records			E42 Waiting		G25 Equipment Room
A43 Janitor	B43 Janitor			E43 Girls		G25 Equipment Room
A44 Work Process	B44 Work Process			E44 Boys		G25 Equipment Room
A45 Lecture	B45 Chair Storage			E45 Janitor		G25 Equipment Room
A46 Conference	B46 Office			E46 Groing		G25 Equipment Room
A47 Conference	B47 Lobby			E47 Showers		G25 Equipment Room
A48 Publications	B48 Common			E48 Toilet		G25 Equipment Room
A49 Teachers	B49 Conference			E49 Office		G25 Equipment Room
A50 Women	B50 Faculty Dining			E50 Storage		G25 Equipment Room
A51 Men	B51 Women			E51 Boys Lockers		G25 Equipment Room
A52 Classroom				E52 Athletic Storage		G25 Equipment Room
A53 Classroom				E53 Tickets		G25 Equipment Room
A54 Classroom				E54 Vestibule		G25 Equipment Room
A55 Classroom				E55 Corridor		G25 Equipment Room
A56 Classroom						G25 Equipment Room
A57 Classroom						G25 Equipment Room
A58 Vestibule						G25 Equipment Room
A59 Guidance						G25 Equipment Room
A60 AV Control Center						G25 Equipment Room

MASTER PLAN
 SCALE: 1" = 20'-0"



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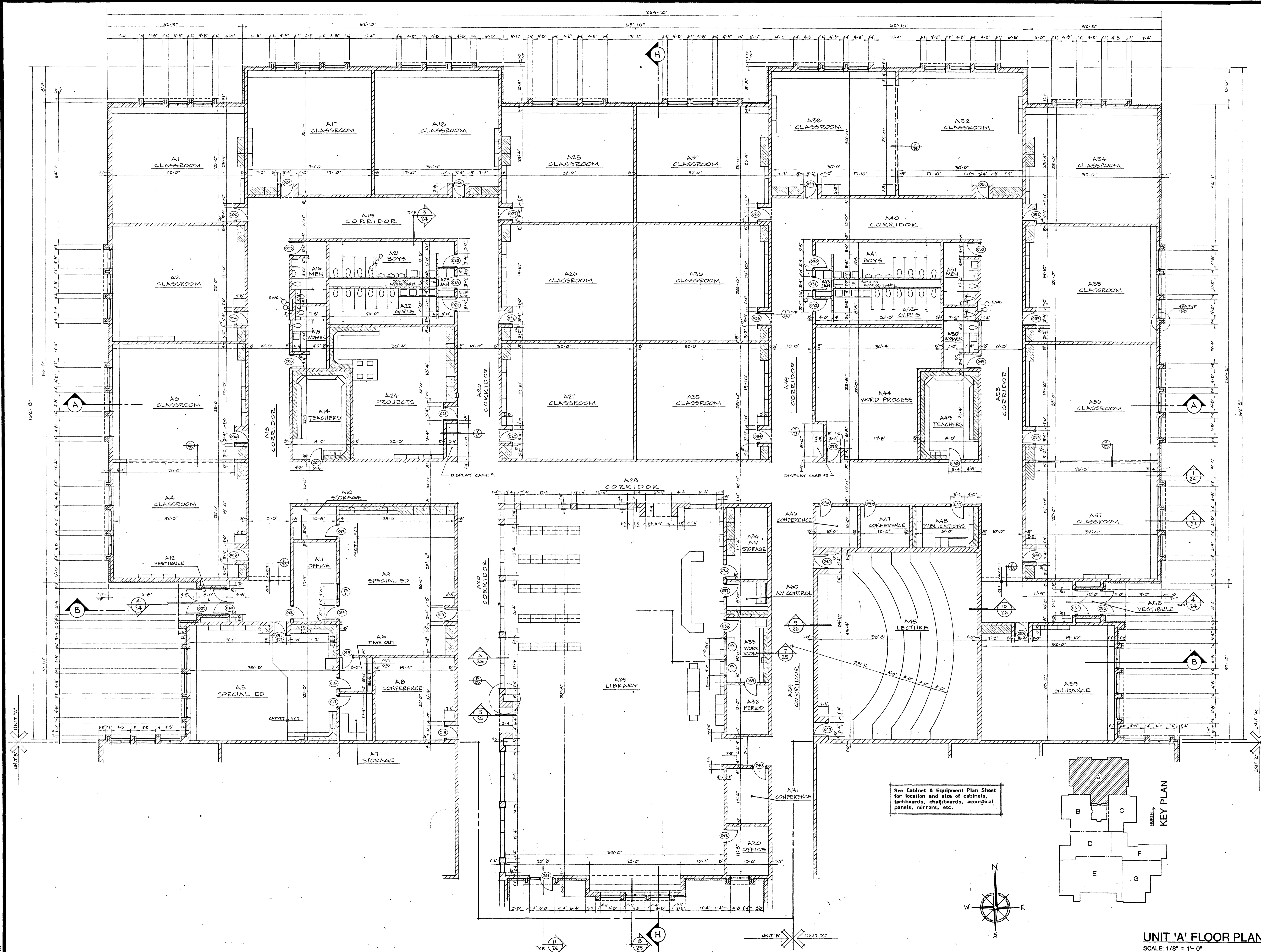
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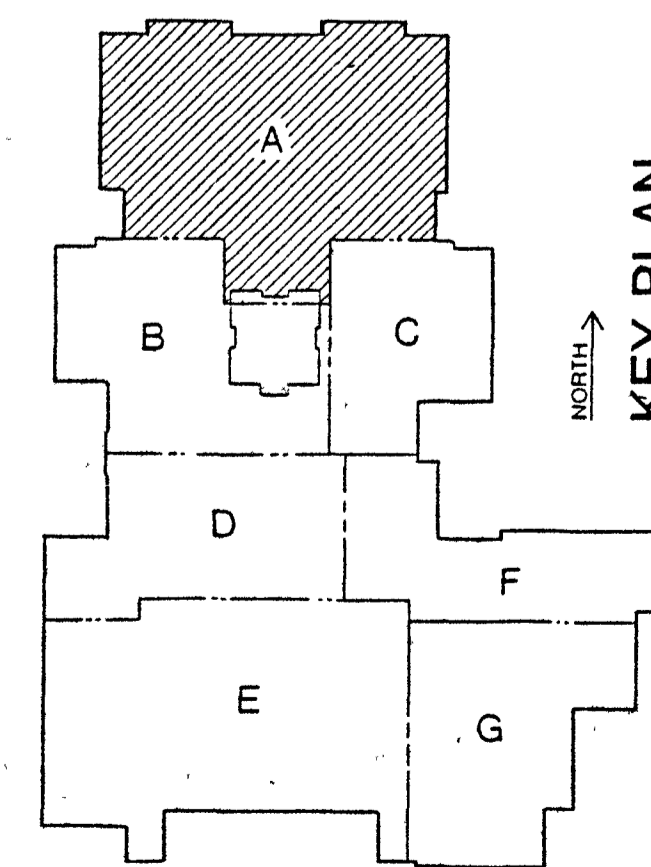
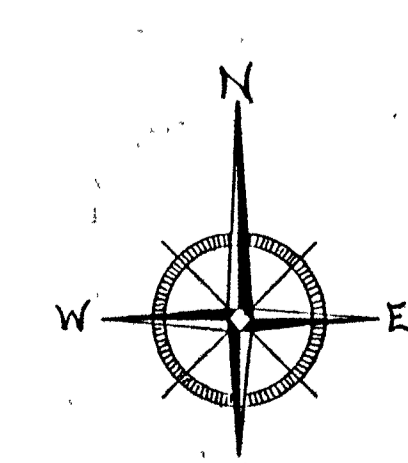
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See Cabinet & Equipment Plan Sheet for location and size of cabinets, tackboards, chalkboards, acoustical panels, mirrors, etc.

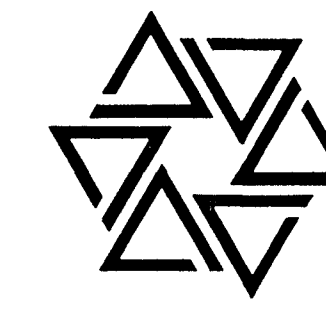


UNIT 'A' FLOOR PLAN
SCALE: 1/8" = 1'-0"



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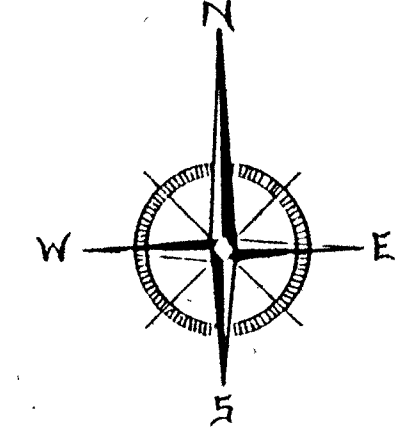
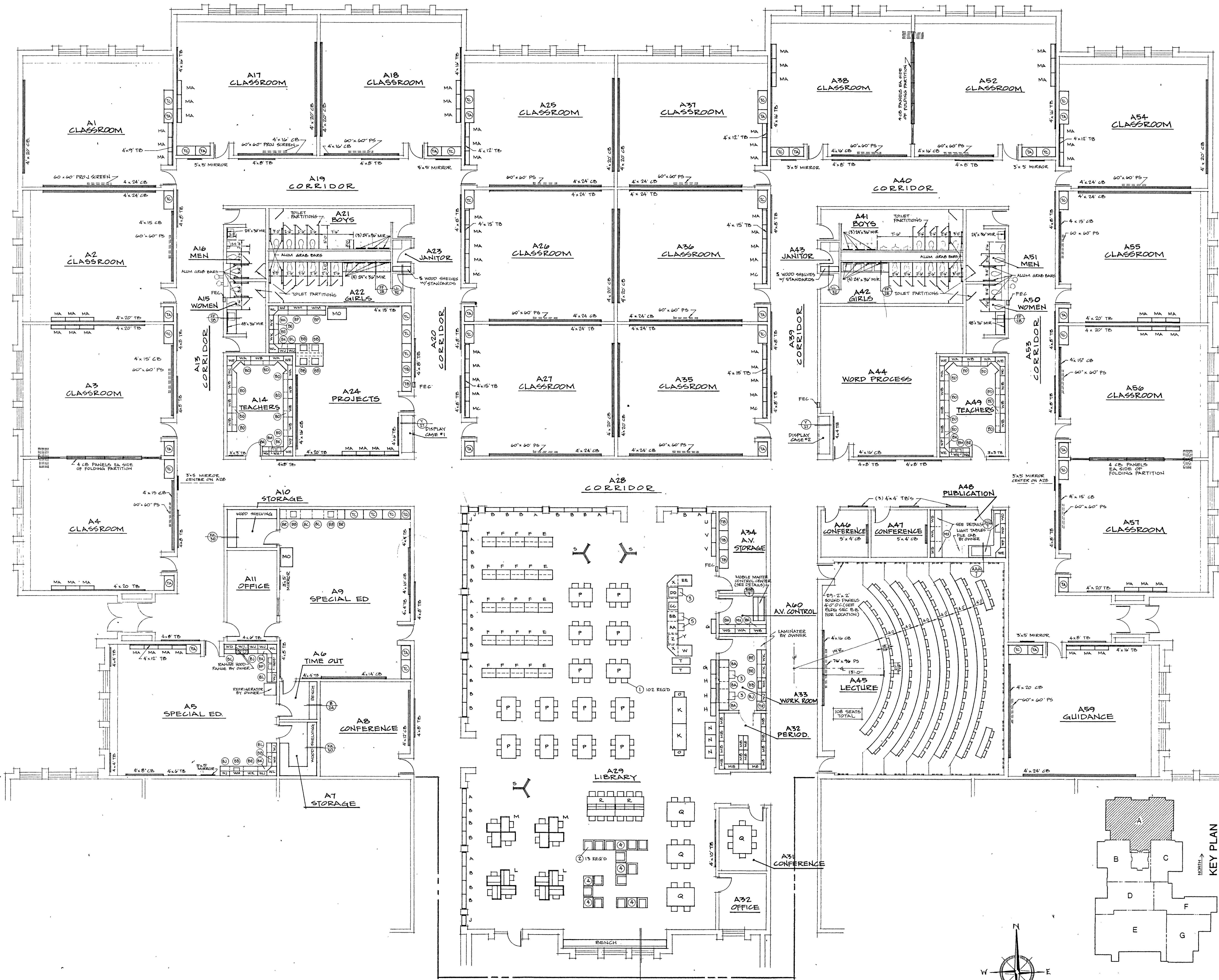
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UNIT 'A' CABINET & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"

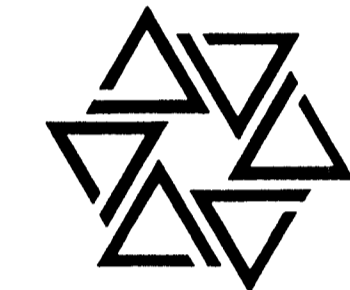
UNIT 'A'

UNIT 'A'



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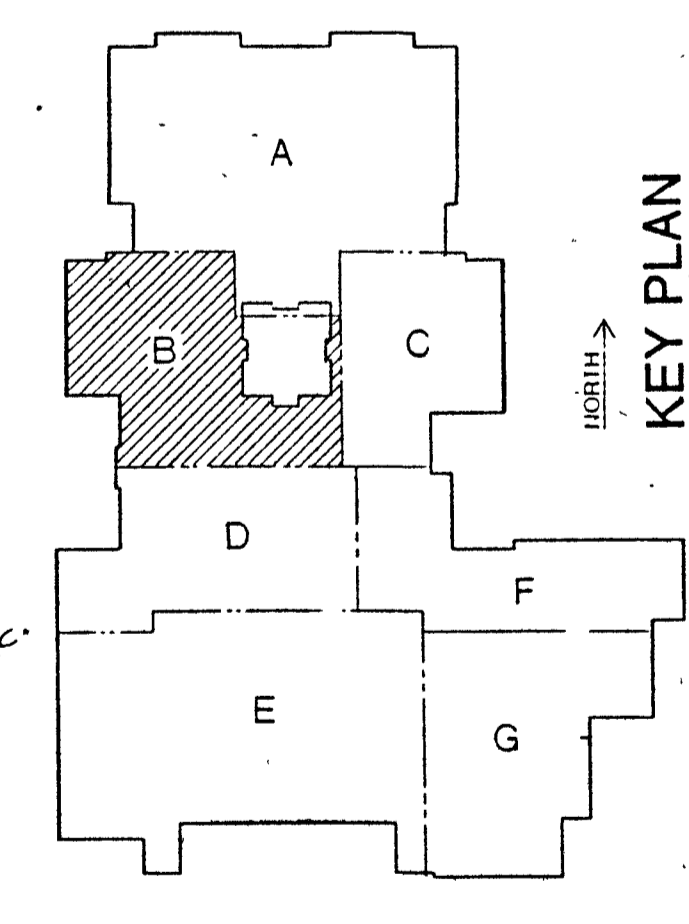
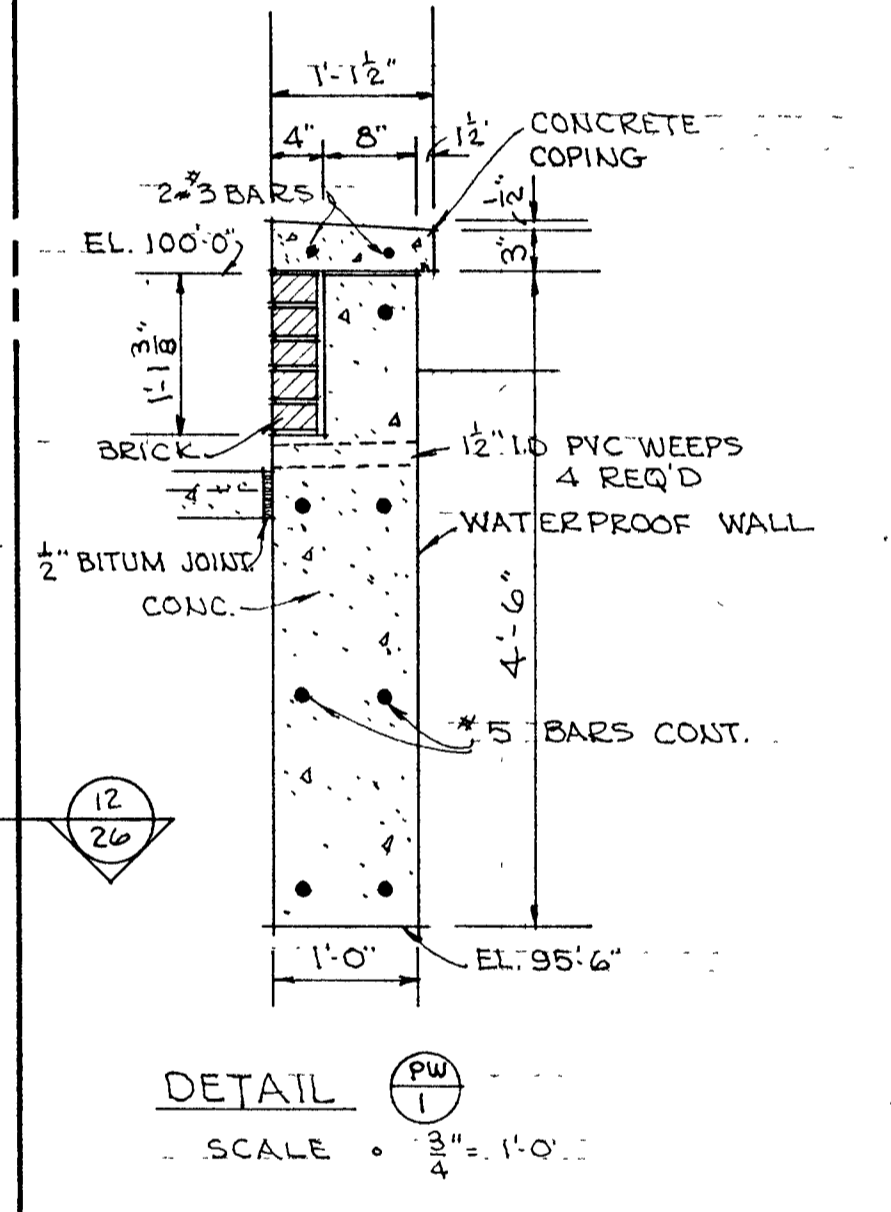
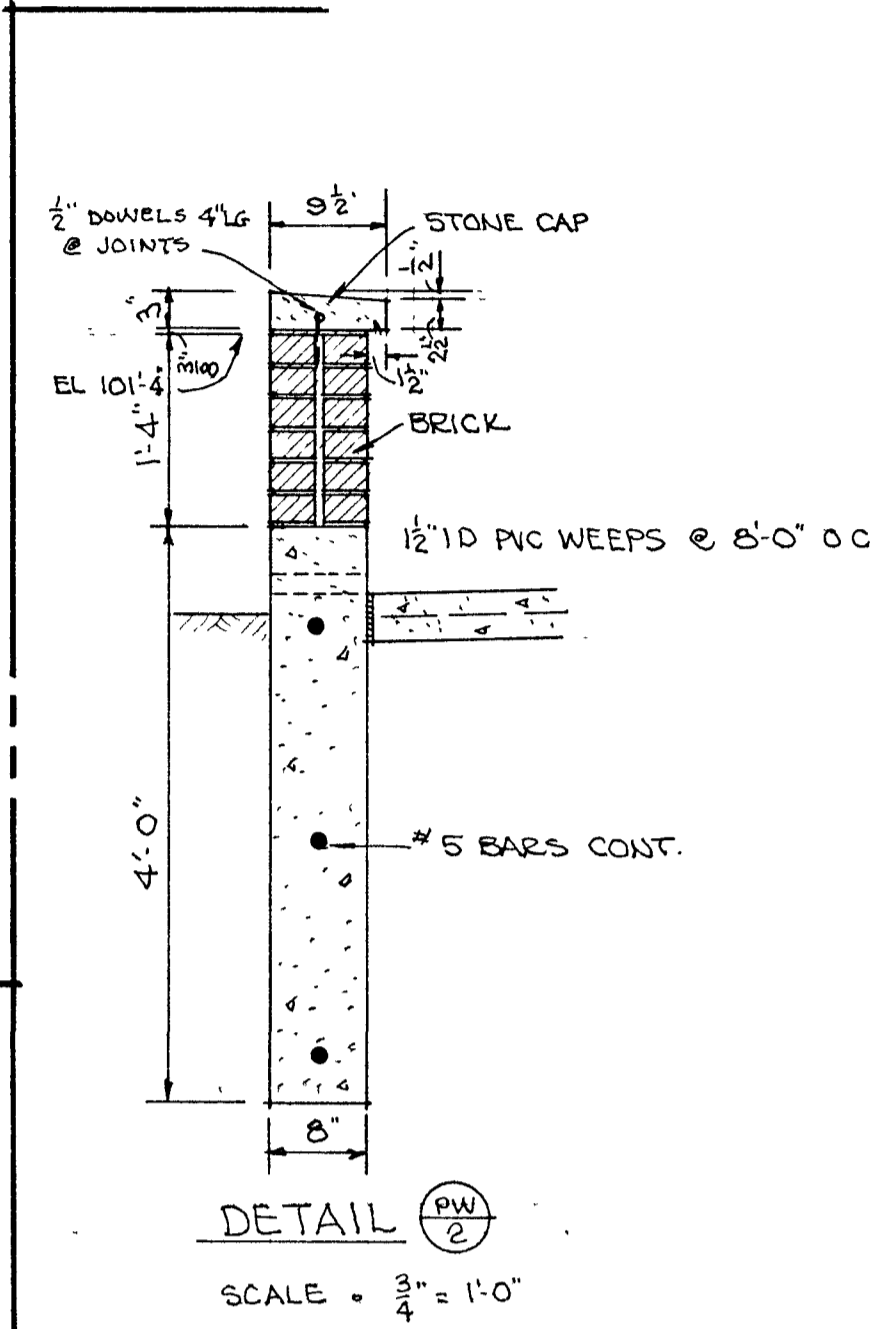
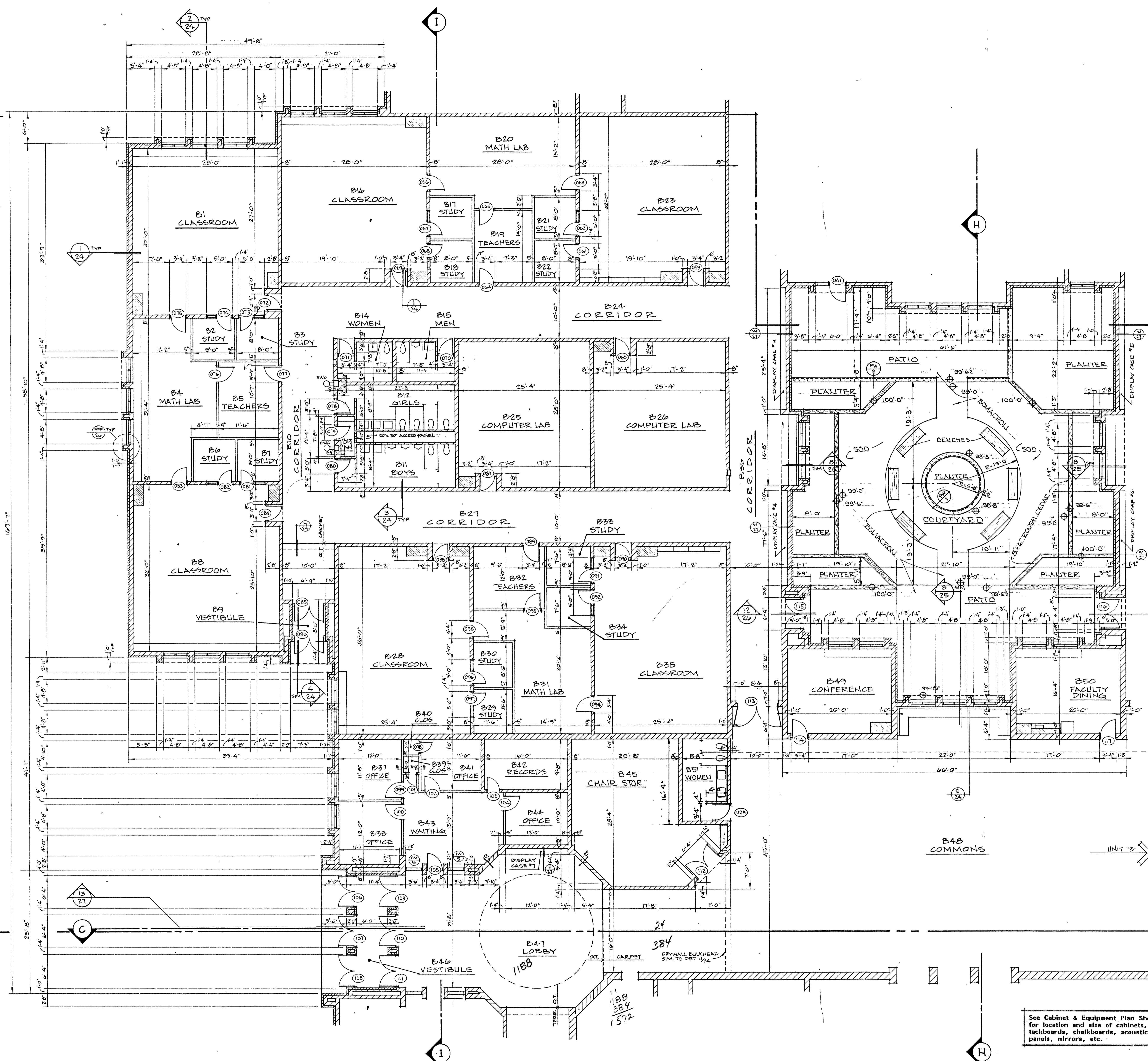
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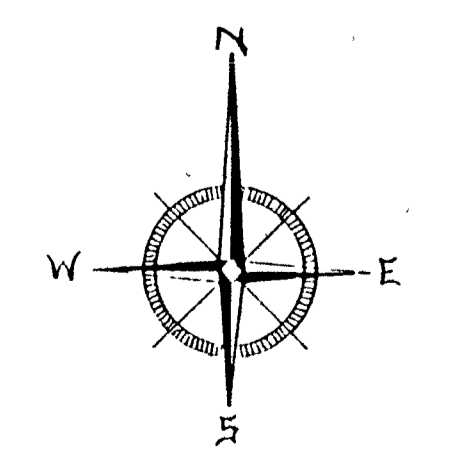
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UNIT 'A'

UNIT 'B'



See Cabinet & Equipment Plan Sheet for location and size of cabinets, tackboards, chalkboards, acoustical panels, mirrors, etc.

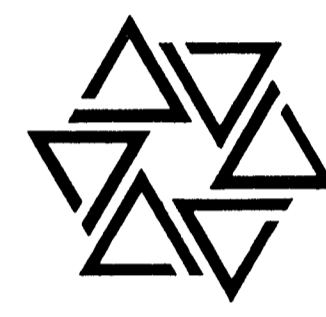


UNIT 'B' FLOOR PLAN
SCALE 1/8" = 1'-0"



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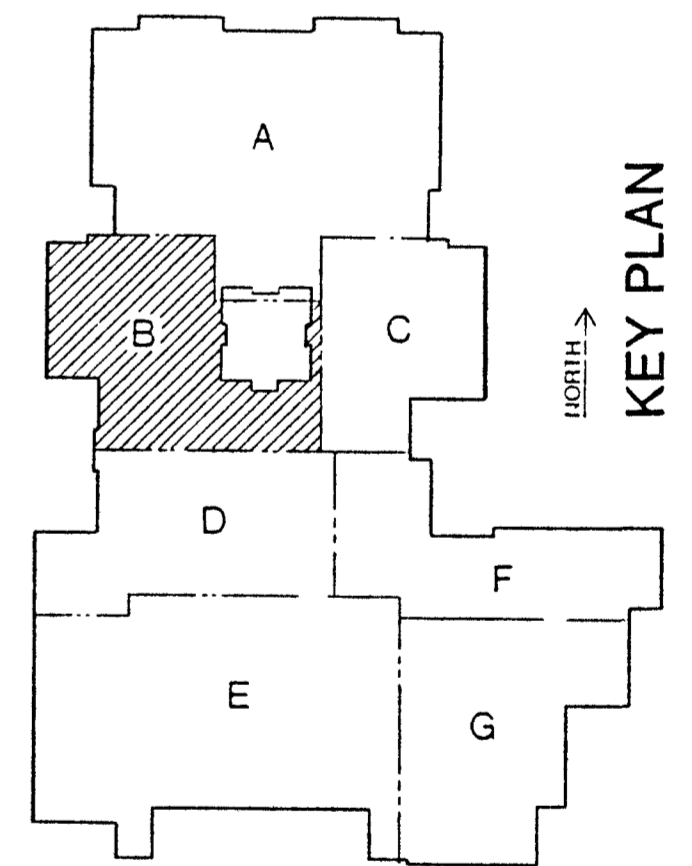
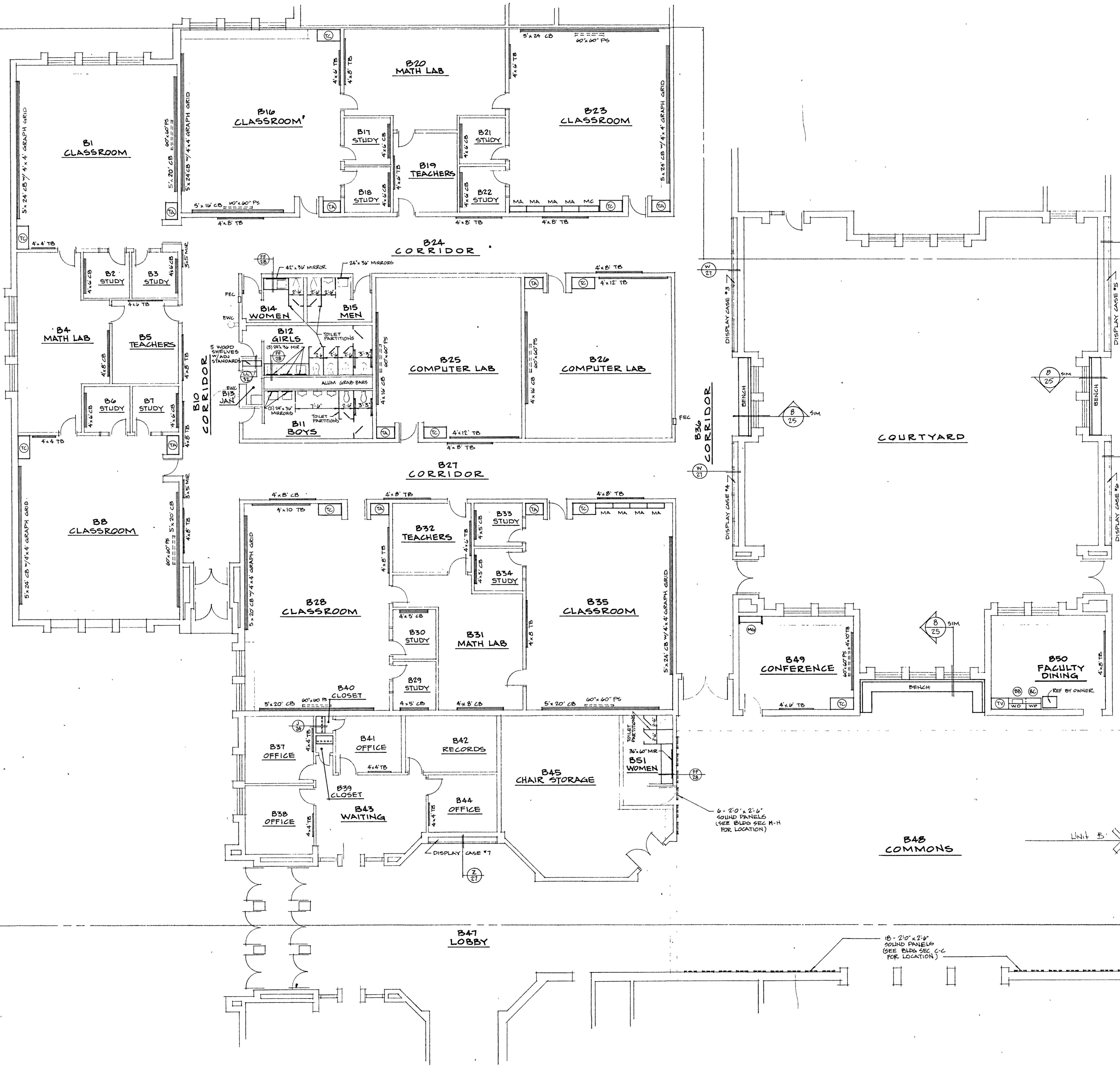
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UNIT 'A'

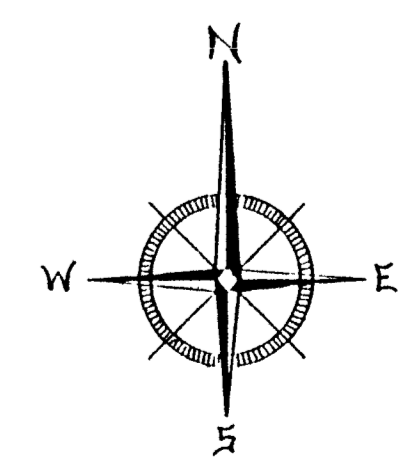
UNIT 'D'

UNIT 'B'

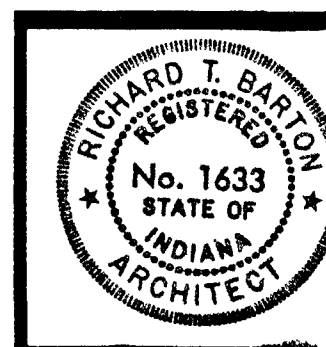
UNIT 'C'



KEY PLAN

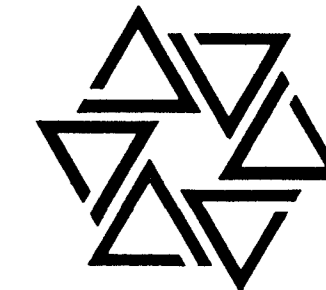


UNIT 'B' CABINET & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



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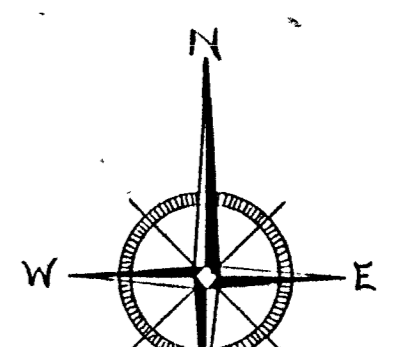
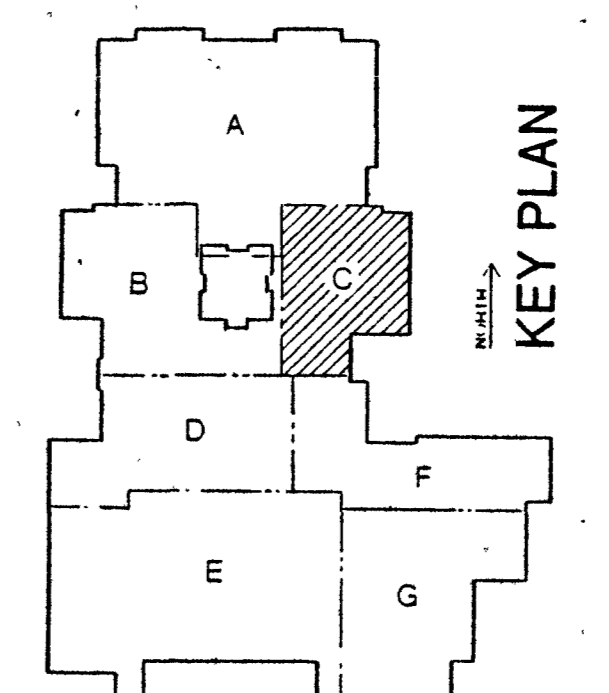
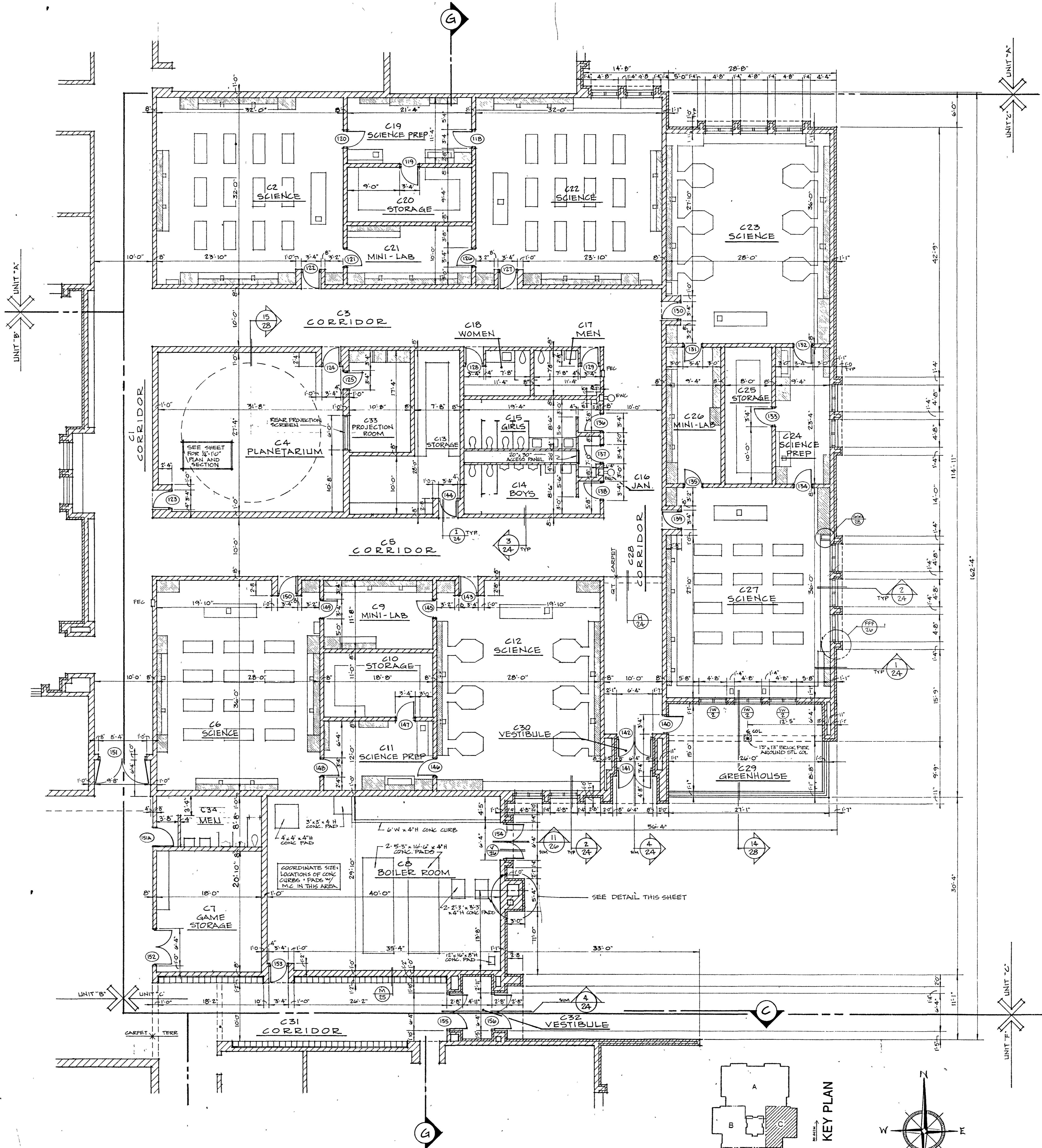
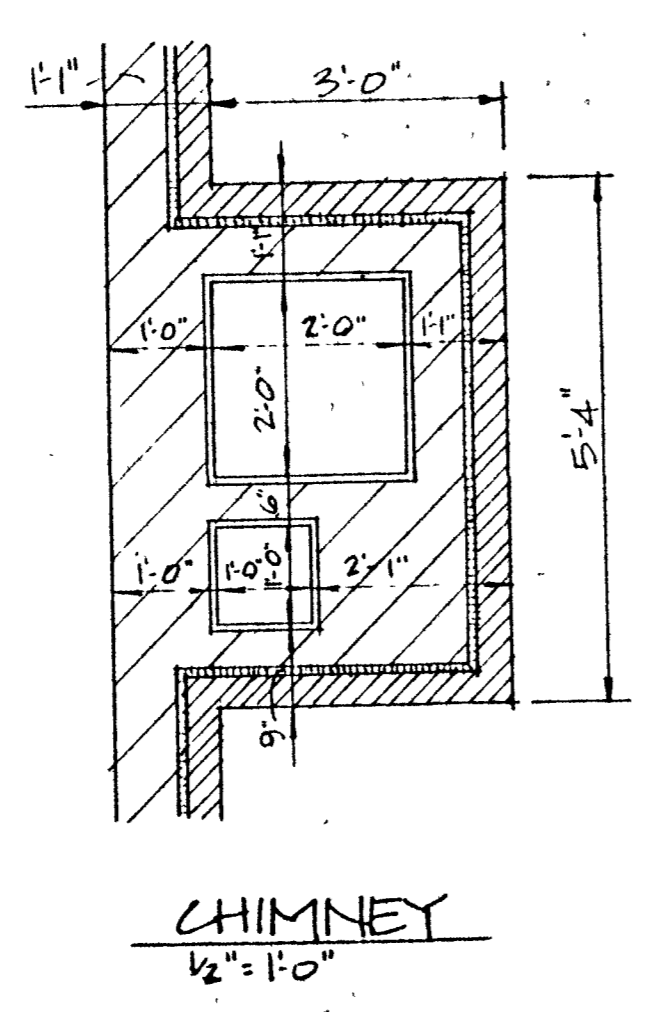
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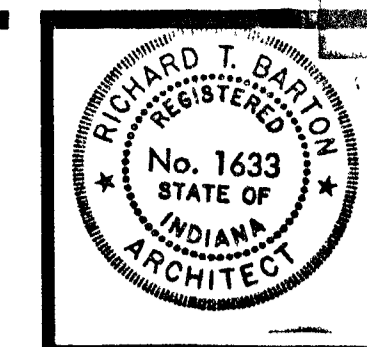
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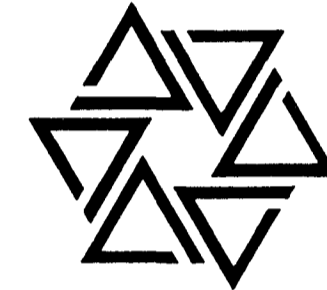
See Cabinet & Equipment Plan Sheet for location and size of cabinets, blackboards, chalkboards, acoustical panels, mirrors, etc.

UNIT 'C' FLOOR PLAN
SCALE 1/8" = 1'-0"



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CABINET SCHEDULE		
BASE UNITS		
MARK	STEVEN'S CATALOG NO.	DESCRIPTION
BA	B2-202-19 1/4	30"H File Drawer
BB	B3-140-36	36"H Sink Base
BC	B3-148-30	36"H Storage
BD	B2-200-16 1/4	30"H File Drawer
BE	B3-160-36	36"H Storage
BF	B3-140-48	36"H Sink Base
BG	B2-140-36	30"H Sink Base
BH	B3-144-15	36"H Storage
BI	B2-202-16 1/4	30"H File Drawer
BJ	B3-148-24	36"H Storage
BK	B3-440-48	36"H Blind Corner
BL	B3-212-24	36"H 3-Drawer
BM	B3-128-36	36"H Sink Base
BN	B3-160-42	36"H Storage
BO	B2-440-48	30"H Blind Corner
BP	B2-160-48	30"H Storage
BQ	F3-640-61	36"H Dark Room Table
BR	B3-260-18	36"H 5-Drawer
BS	B3-160-48	36"H Storage
BT	B3-160-48	36"H 30"D Storage
BV	B3-180-24	36"H Tray Storage
BW	B3-180-24	36"H Range Enclosure
BX	F2-450-23 1/2	27 1/2"H Clay Cart
BY	B1-112-48	25"H Storage
BZ	B2-160-30	30"H Storage
BAA	F3-680-36	36"H Enlarger Station
BAB	B3-104-15	36"H Storage
BAB	B3-140-30	36"H Sink Base
WALL UNITS		
WA	C2-101-36	24"H Open Shelves
WB	C2-101-48	24"H Open Shelves
WC	C2-101-24	24"H Open Shelves
WD	C3-108-30	30"H Storage
WE	C2-104-24	24"H Storage Cabinet
WF	C2-104-24	24"H Storage
WG	C2-104-18	24"H Storage
WH	C1-108-36	36"H Storage
WI	C1-108-30	30"H Storage
WJ	C3-108-24	30"H Storage
WK	C3-108-36	30"H Storage
WL	C3-170-24	24"H Storage Cabinet
WM	C1-108-48	48"H Storage
WN	C3-104-15	30"H Storage
WO	C2-108-36	36"H Storage
WP	C3-108-30	30"H Storage
WQ	C3-108-48	48"H Storage
WR	C3-104-16 1/4	30"H Storage
WS	C3-108-42	42"H Storage
WT	C2-101-30	24"H Open Shelving
TALL UNITS		
TA	D7-448-36	84"H Wardrobe
TB	D7-108-36	84"H Storage
TC	D7-108-48	84"H Storage
TD	D7-112-42	84"H Storage
TE	D7-596-24	84"H Ironing Center
TF	D7-360-48	84"H Tote Tray
TG	D7-408-48	84"H Wardrobe
TH	D7-500-24	84"H Pantry Storage
TI	D7-512-36	84"H Food Staples
TJ	D7-108-30	84"H Storage
TK	D7-148-48	84"H Blind Corner
TL	D7-170-48	84"H Paper Storage
TM	D7-560-48	84"H Drying Unit
TN	D7-564-48	84"H Damp Storage
TO	D7-108-48	84"H 30"D Storage
TP	D7-140-48	84"H 30"D Blind Corner
TQ	D7-104-24	84"H Storage
TR	D7-414-24	84"H Wardrobe
TS	D7-404-18	84"H Wardrobe
TT	D7-404-24	84"H Wardrobe
TU	D7-356-24	84"H Tote Tray
TV	D7-440-36	84"H Cleaning
TX	D6-484-30	72"H Wardrobe
MISCELLANEOUS UNITS		
MA	T2-200-36	28 3/4"H Shelving
MB	T7-200-36	84"H Shelving
MC	T2-200-42	28 3/4"H Shelving
MD	H2-230-55	30"H Sawing Center
ME	T5-100-36	60"H Shelving
MF	H2-210-26	28 3/4"H Sewing Base
MG	T8-634-48	84"H Wall Rack
MH	M7-156-60	84"H Wheeled Instrument Storage
MI	M7-302-40 1/4	84"H Instrument Storage
MJ	M7-314-40 1/4	84"H Instrument Storage
MK	M7-315-40 1/4	84"H Instrument Storage
ML	M7-330-40 1/4	84"H Instrument Storage
MM	TA-524-48	48"H Mail Cubicle
MN	TA-526-48	24"H Mail Cubicle
MO	A3-226-48	36"H Mobile 3-Drawer
MP	M7-331-40 1/4	84"H Instrument Storage
MQ	M7-334-40 1/4	84"H Instrument Storage
MR	M8-122-60	84"H Tall Storage
MS	M8-200-50	42"H Cello Rack
MT	M8-204-50	37"H Base Rack
MU	M8-205-50	37"H Sousaphone Rack
MV	M7-335-40	84"H Instrument Storage
MX	T8-544-36	4-1/2"H Drawer

SCIENCE CABINET SCHEDULE		
MARK	CAMPBELL RHEA CATALOG NO.	DESCRIPTION
S/1	1254	35"H BASE UNIT
S/2	1258	35"H BASE UNIT
S/3	1492	35"H OPEN SHELF BASE
S/4	1550	35"H BASE UNIT
S/5	1574	35"H BASE UNIT
S/6	2406	35"H SINK FRONT
S/7	3840	35"H BLIND CORNER
S/8	3858	35"H BLIND CORNER
S/9	4332	30"H WALL CASE
S/10	4692	24"H WALL CASE
S/11	4718	30"H WALL CASE
S/12	4958	30"H WALL CASE
S/13	4960	30"H WALL CASE
S/14	4962	30"H WALL CASE
S/15	5610	84"H STORAGE
S/16	5688	84"H STORAGE
S/17	5692	84"H STORAGE
S/18	6008	36"H INSTRUCTOR'S DESK
S/19	6020	30"H INSTRUCTOR'S SIDE DESK
S/20	6038	36"H SIX STUDENT SCIENCE TABLE
S/21	6042	36"H FOUR STUDENT SCIENCE TABLE
S/22	6510	30"H PREPARATION TABLE
S/23	6608	36"H WASH-UP SINK
S/24	6650	36"H KEY CASE
S/25	6680	84"H FUME HOOD
S/26	6698	84"H SAFETY CENTER
S/27	6774	28"H SAFETY GLASS MONITOR
S/28	6782	84"H SKELETON CASE
S/29	6922	84"H BOOK CASE
S/30	6928	84"H MICROSCOPE CASE
S/31	6944	84"H WARDROBE/SUPPLY CASE
S/32	6961	84"H PERIMETER SCIENCE TABLE w/o SINK, -RELOCATED
S/33	6954	36"H GASK COCKS
S/34	6402	35"H GERMINATING BED
S/35	2346	35"H SINK BASE
S/36	1268	35"H BASE UNIT
S/37	6406	23"H SOIL BIN

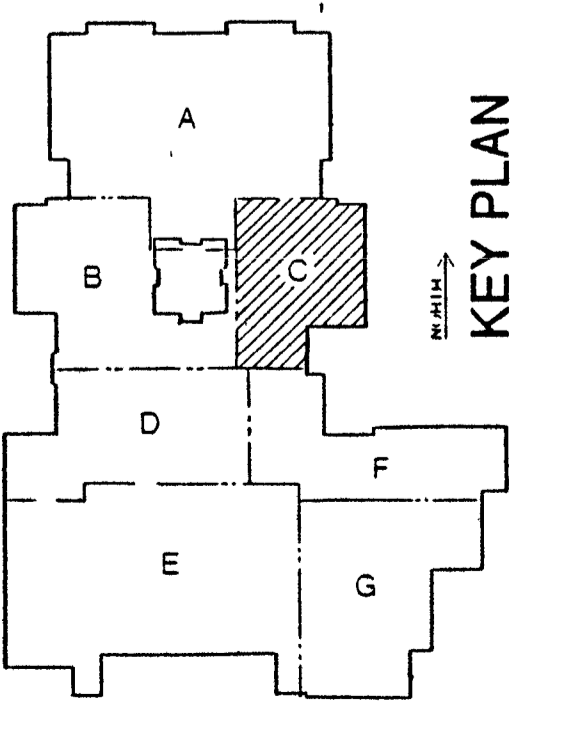
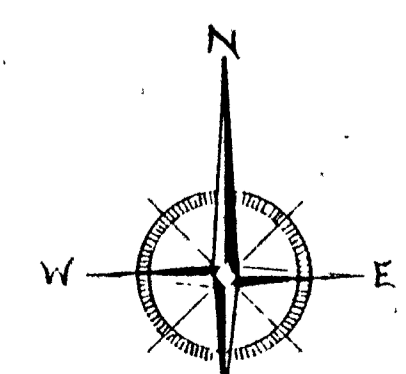
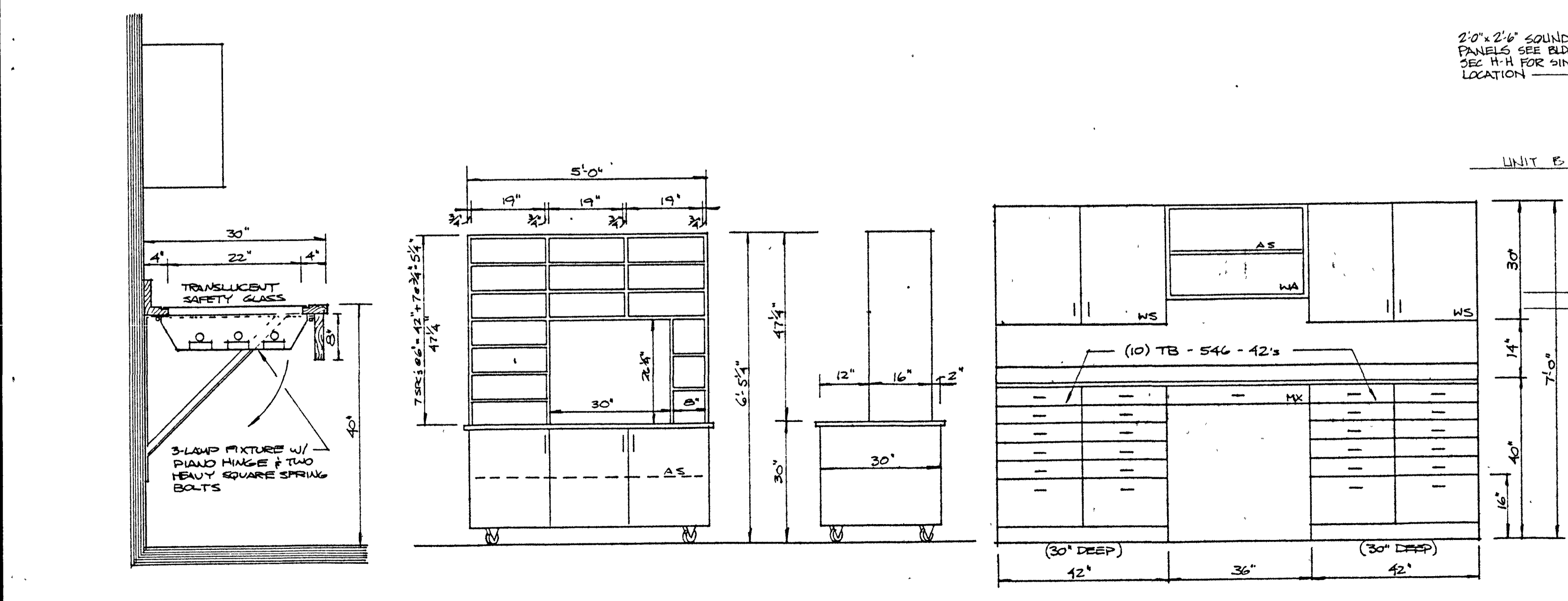
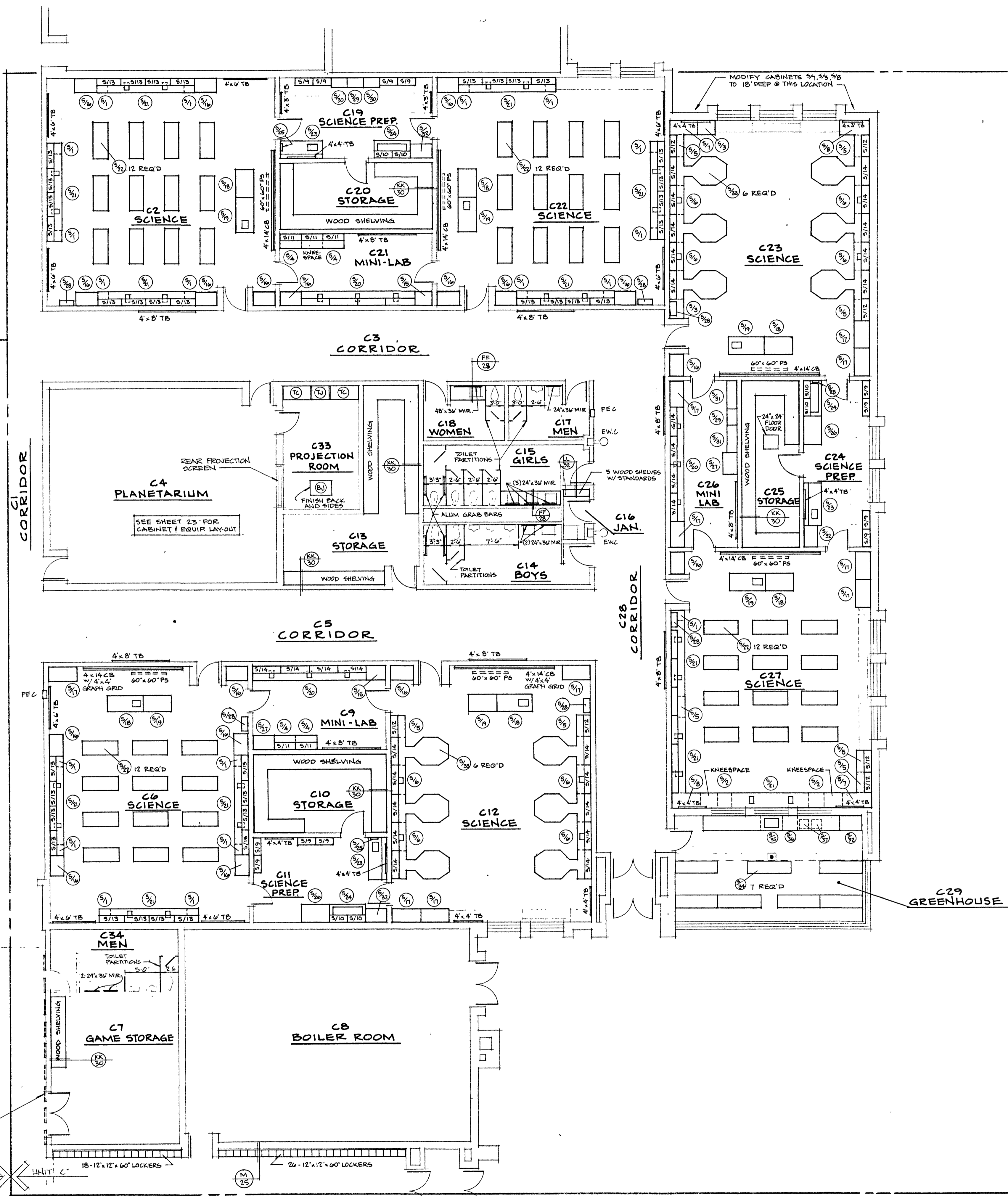
* = Relocated gas cocks to be Campbell Rhea No.9404.
 ** = Faucets and sinks not provided with cabinet shall be Campbell Rhea No.9488 (faucet) and Campbell Rhea No.9726 (1 1/2" x 10" sink).
 *** = Fume hood blower - Campbell Rhea No.A6730.

GENERAL NOTE: All faucets with seration hose connections shall be furnished with vacuum breaker.
 All laboratory tops shall be RheaResin.

LIBRARY FURNITURE		
MARK	BRODART CATALOG NO.	DESCRIPTION
A	S1-989S **	42"H Shelving Unit w/finished oak back and toe kick
B	S2-989A **	42"H Shelving Unit w/finished oak back and toe kick
C	S1-934S	42"H Shelving Unit
D	S2-934A	42"H Double-Faced Shelving
E	S1-991S	42"H Double-Faced Shelving
F	S2-991A	42"H Shelving Unit
G	S1-989S **	30"H Shelving Unit
H	S2-989A **	30"H Shelving Unit
J	S1-989 **	24"H Shelving Unit w/ finished oak back & toe kick
K	64-881	60 Tray Card Catalog
L	64-205	Pinwheel Carrel
M	64-463	Computer Pinwheel Carrel
N	64-871	42"H Atlas Stand
O	64-869	43 1/2"H Dictionary Stand
P	64-144	27"H Table 36" x 60"
Q	64-145	27"H Table 36" x 72"
R	64-128	53"H Index Table
S	60-973	72"H Paperback Tristar
T	60-870	31"H Book Truck
U	S1-918	82"H Periodical Display Shelves
V	S2-918	82"H Periodical Display Shelves
W	60-176	39"H Cupboard Unit
X	60-150	39"H Corner Unit
Y	60-915	29"H Book Truck
Z	60-167	39"H Book Return
AA	60-172	39"H Discharge Unit
BB	60-184	39"H Card File
CC	60-155	39"H Machine Well
DD	60-164	39"H Typing Desk
EE	60-175	39"H Knee Space

** = Modify as noted.

CHAIR & TABLE SCHEDULE		
MARK	JASPER CATALOG NO.	DESCRIPTION
1	83UB-SB	17 1/2"H Chair
2	84-1-P-SB	15 1/2"H Chair
3	82UBS	17"H Chair
4	2828P16	16"H Table
5	82UBS	27"H Chair

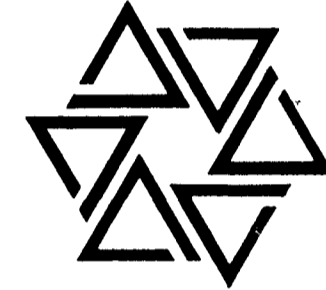


LIGHT TABLE DETAIL SCALE 3/4" = 1'-0"
 MOBILE A.V. CONTROL SCALE 1/2" = 1'-0"
 PUBLICATIONS CAB. DETAIL SCALE 1/2" = 1'-0"
 UNIT 'C' CABINET & EQUIPMENT PLAN SCALE 1/8" = 1'-0"



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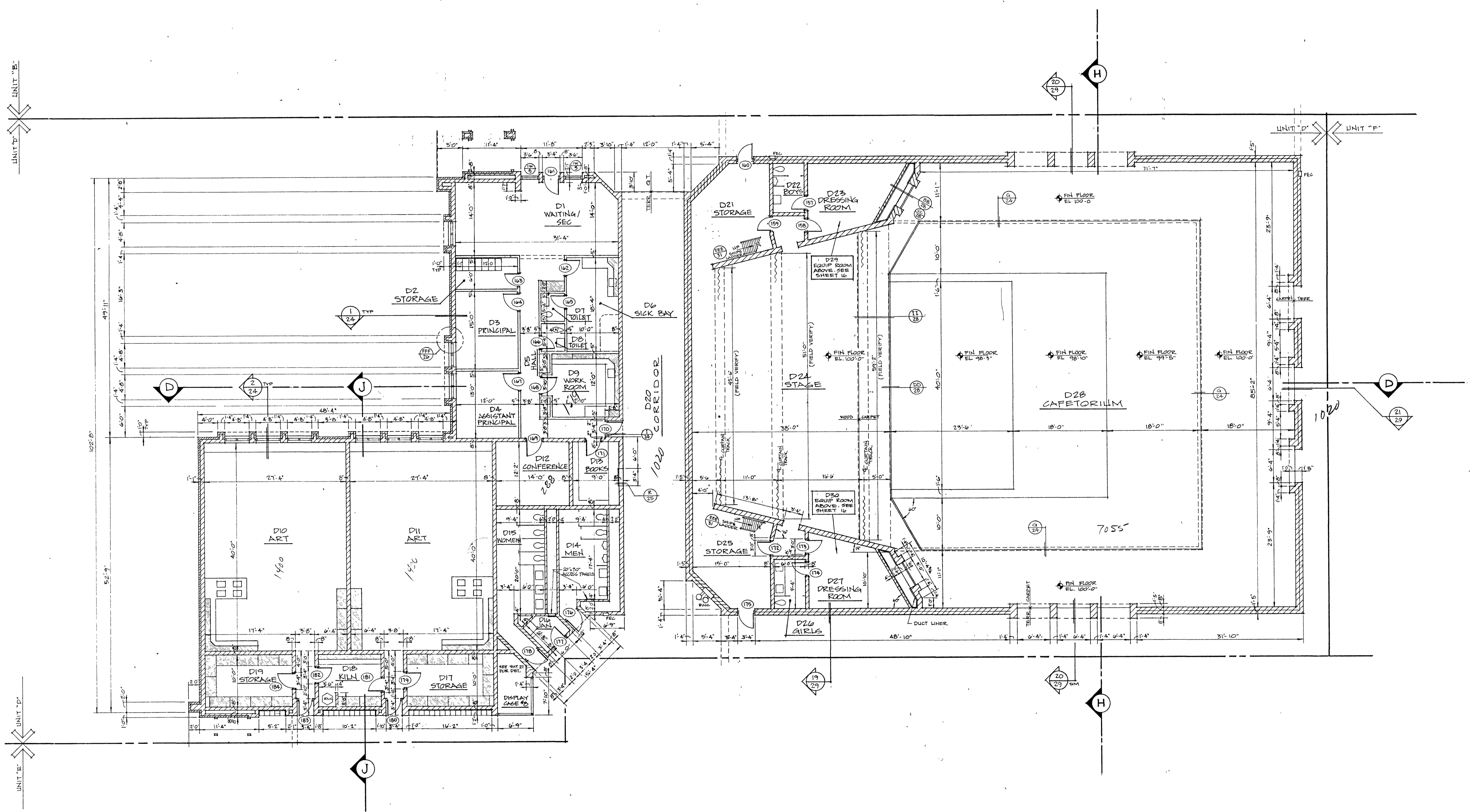
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WAWASEE COMMUNITY SCHOOL CORP.
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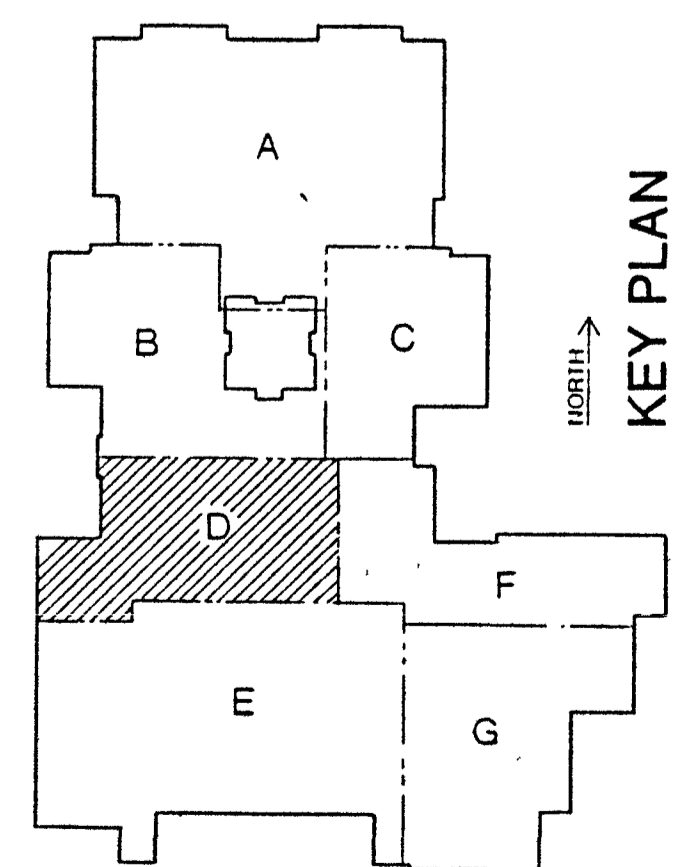
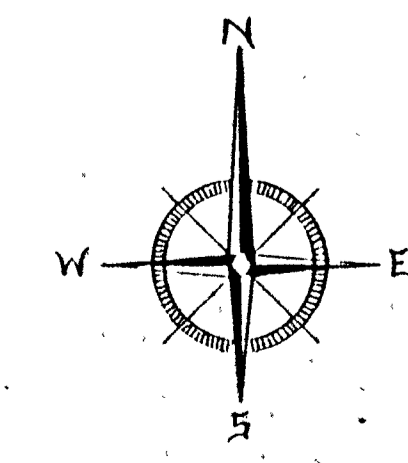
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UNIT 'B'

UNIT 'D'



See Cabinet & Equipment Plan Sheet for location and size of cabinets, tackboards, chalkboards, acoustical panels, mirrors, etc.

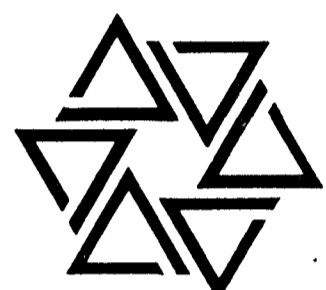


UNIT 'D' FLOOR PLAN
SCALE 1/8" = 1'-0"



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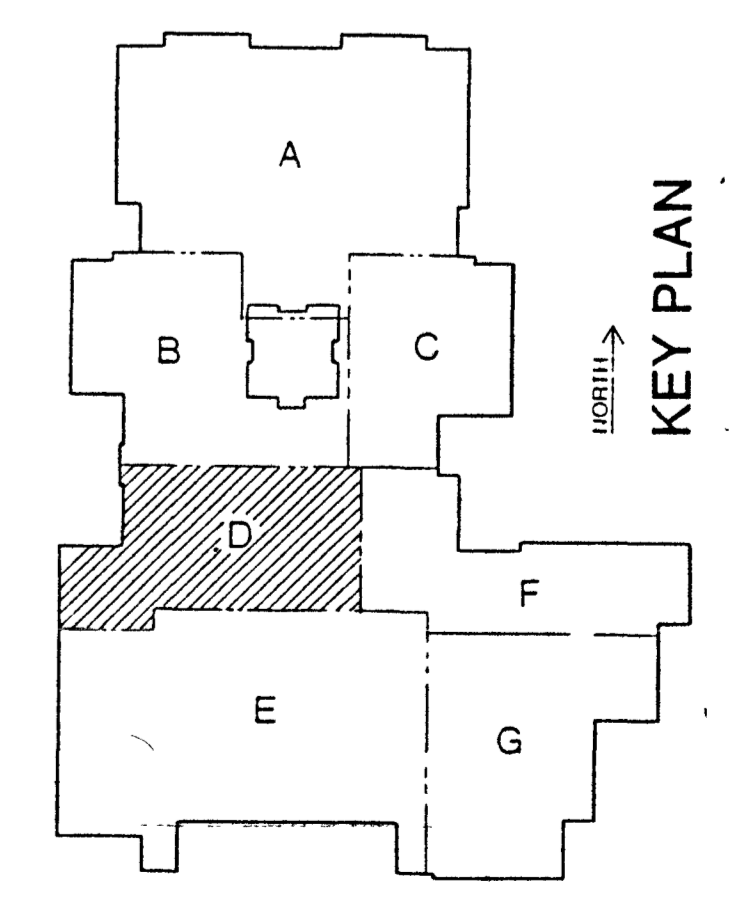
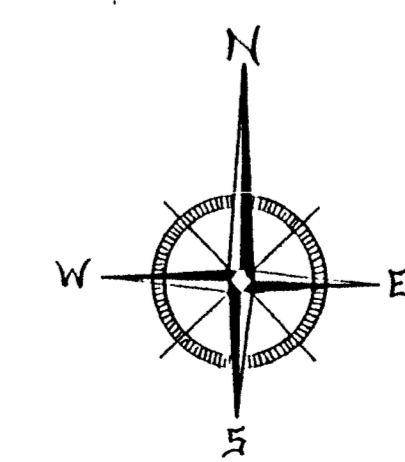
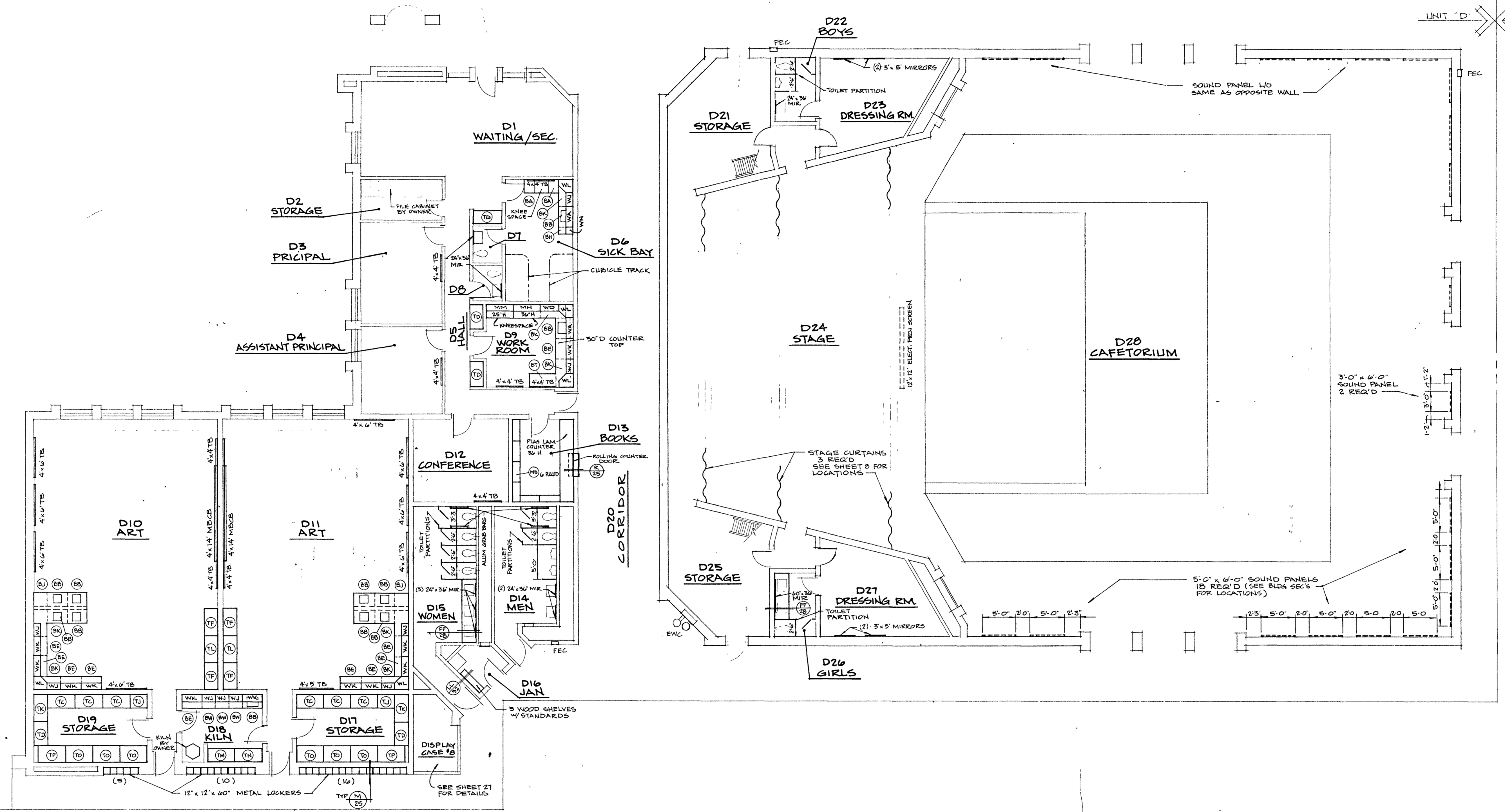
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UNIT 'D' UNIT 'B'

UNIT 'D' UNIT 'E'

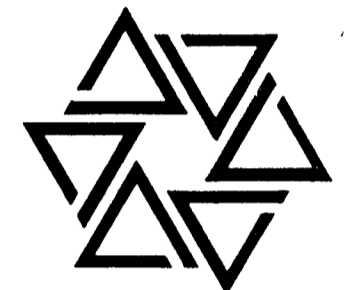
UNIT 'E' UNIT 'D'



UNIT 'D' CABINET & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"

Julius P. Papp

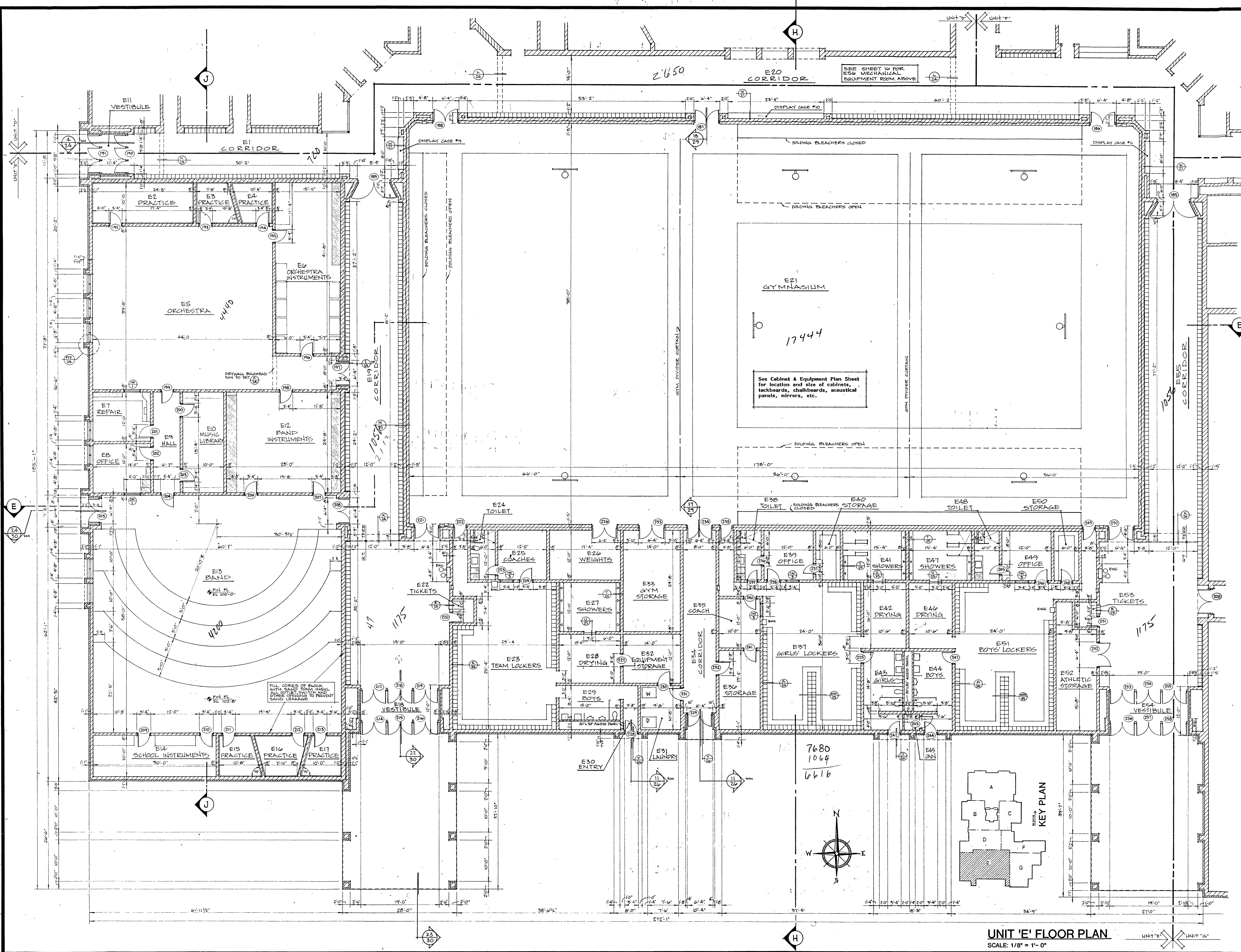
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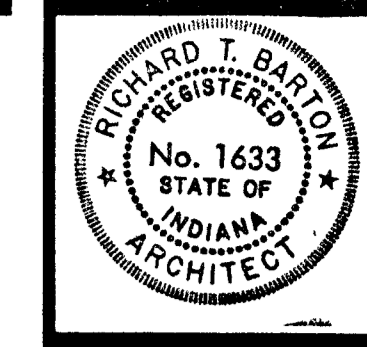
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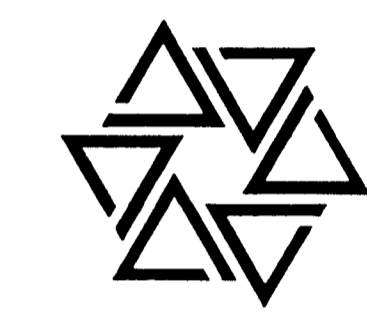


UNIT 'E' FLOOR PLAN
SCALE: 1/8" = 1'-0"



Richard T. Barton
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER
No. 1633

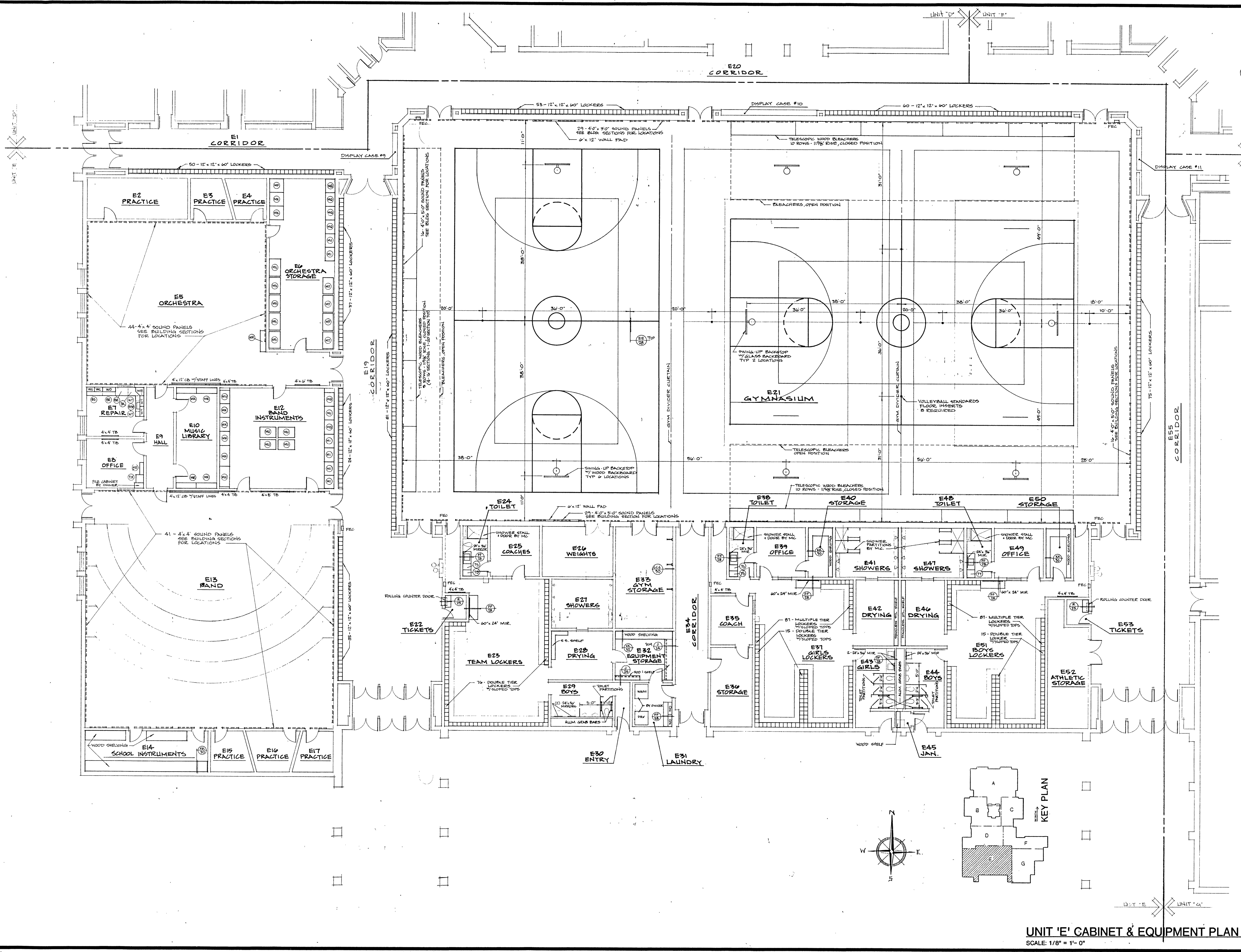
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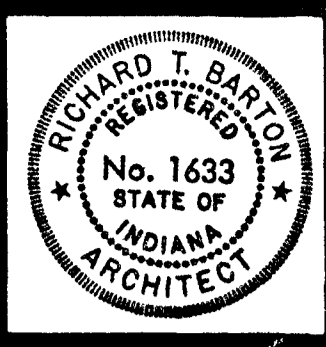
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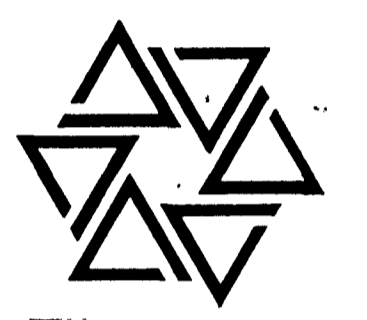


UNIT 'E' CABINET & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



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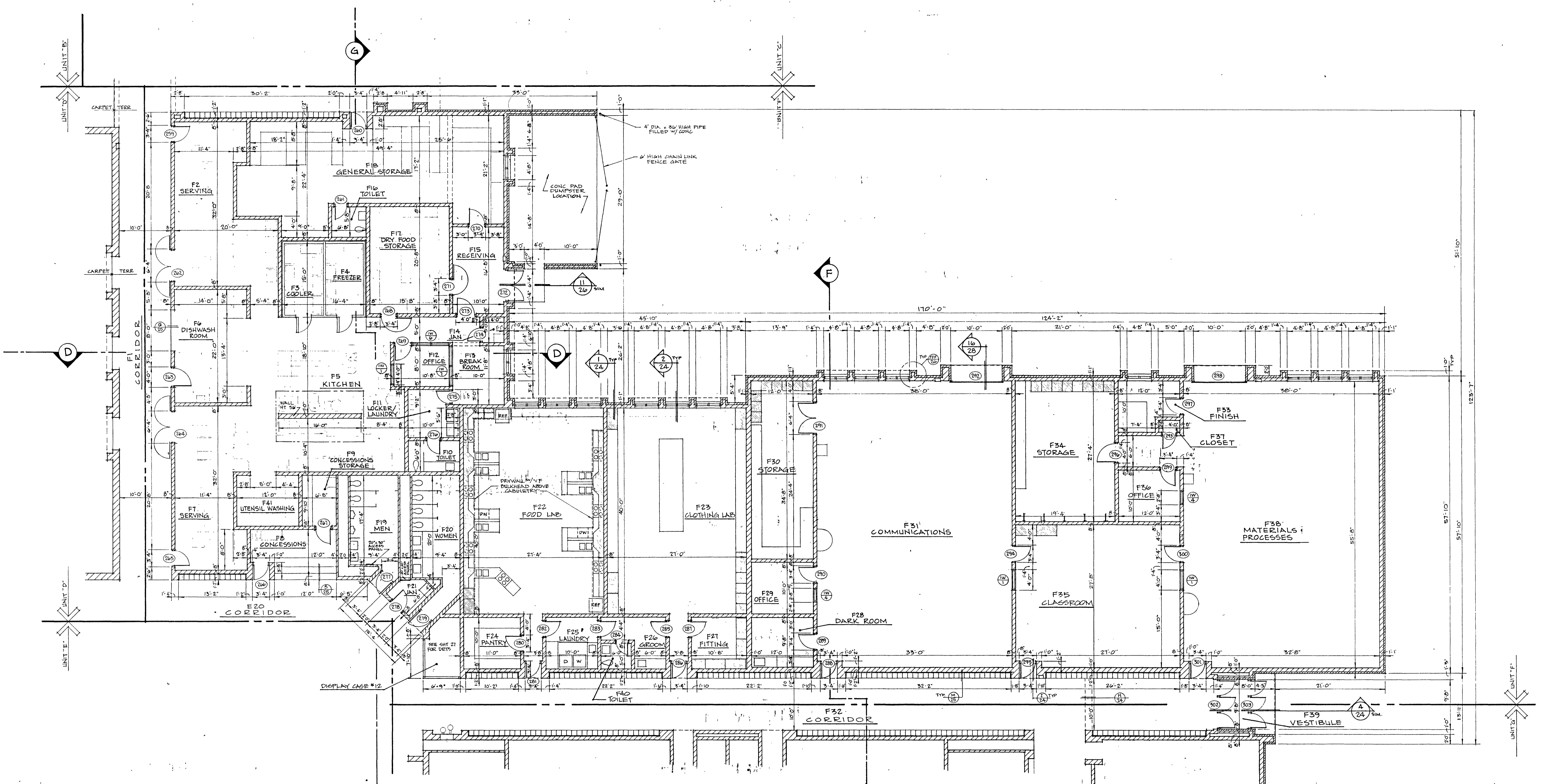
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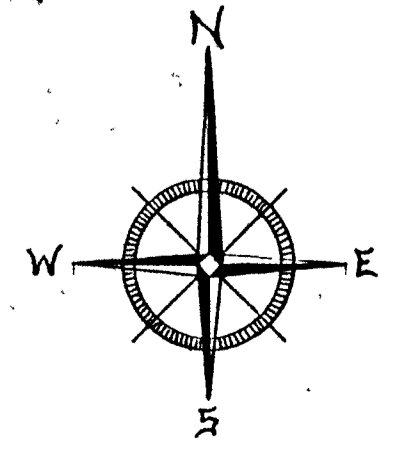
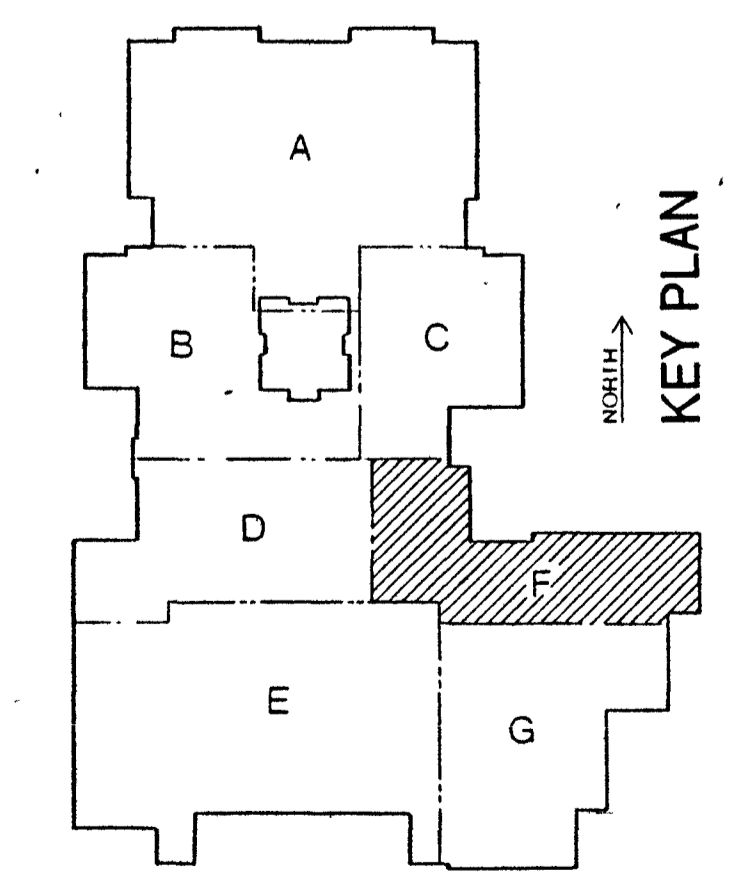
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See Cabinet & Equipment Plan Sheet for location and size of cabinets, tackboards, chalkboards, acoustical panels, mirrors, etc.

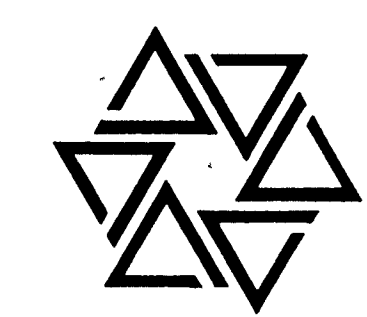


UNIT 'F' FLOOR PLAN
SCALE: 1/8" = 1'-0"



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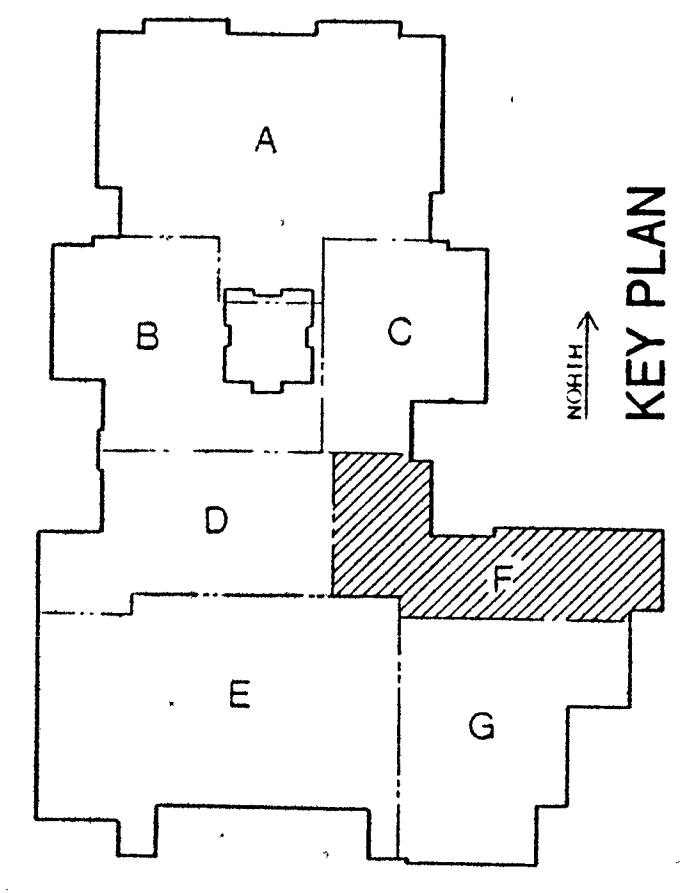
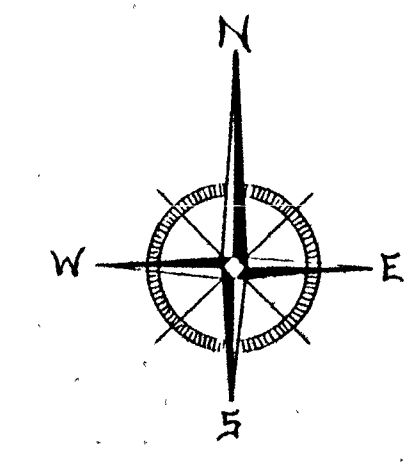
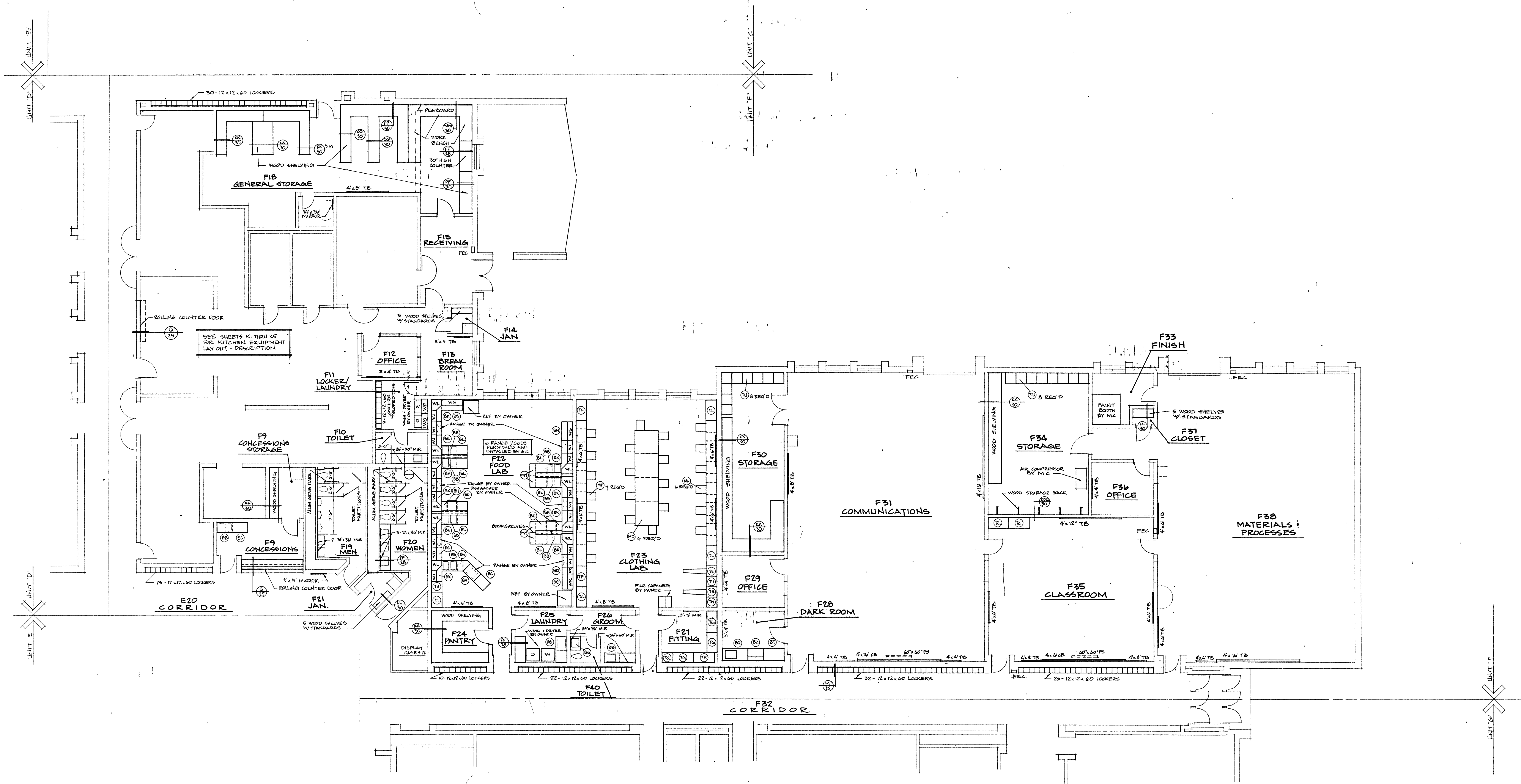
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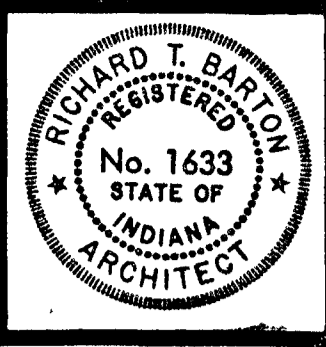
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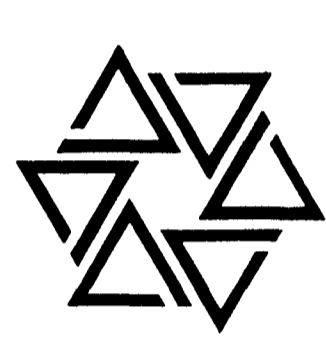


UNIT 'F' CABINET & EQUIPMENT PLAN
SCALE 1/8" = 1'-0"



Barton Coe Vilamaa

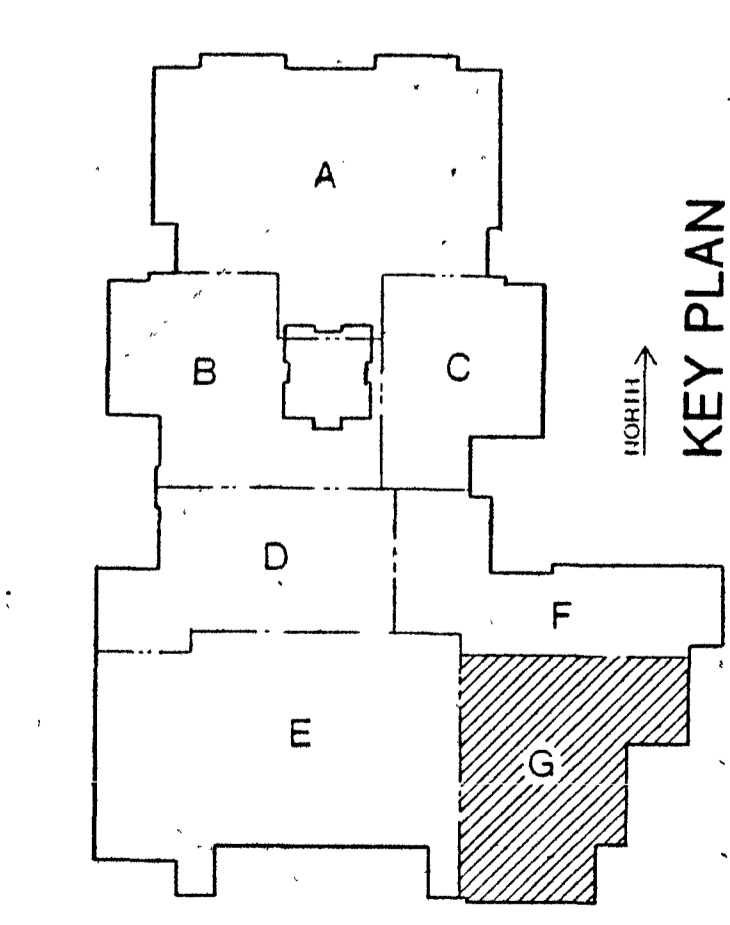
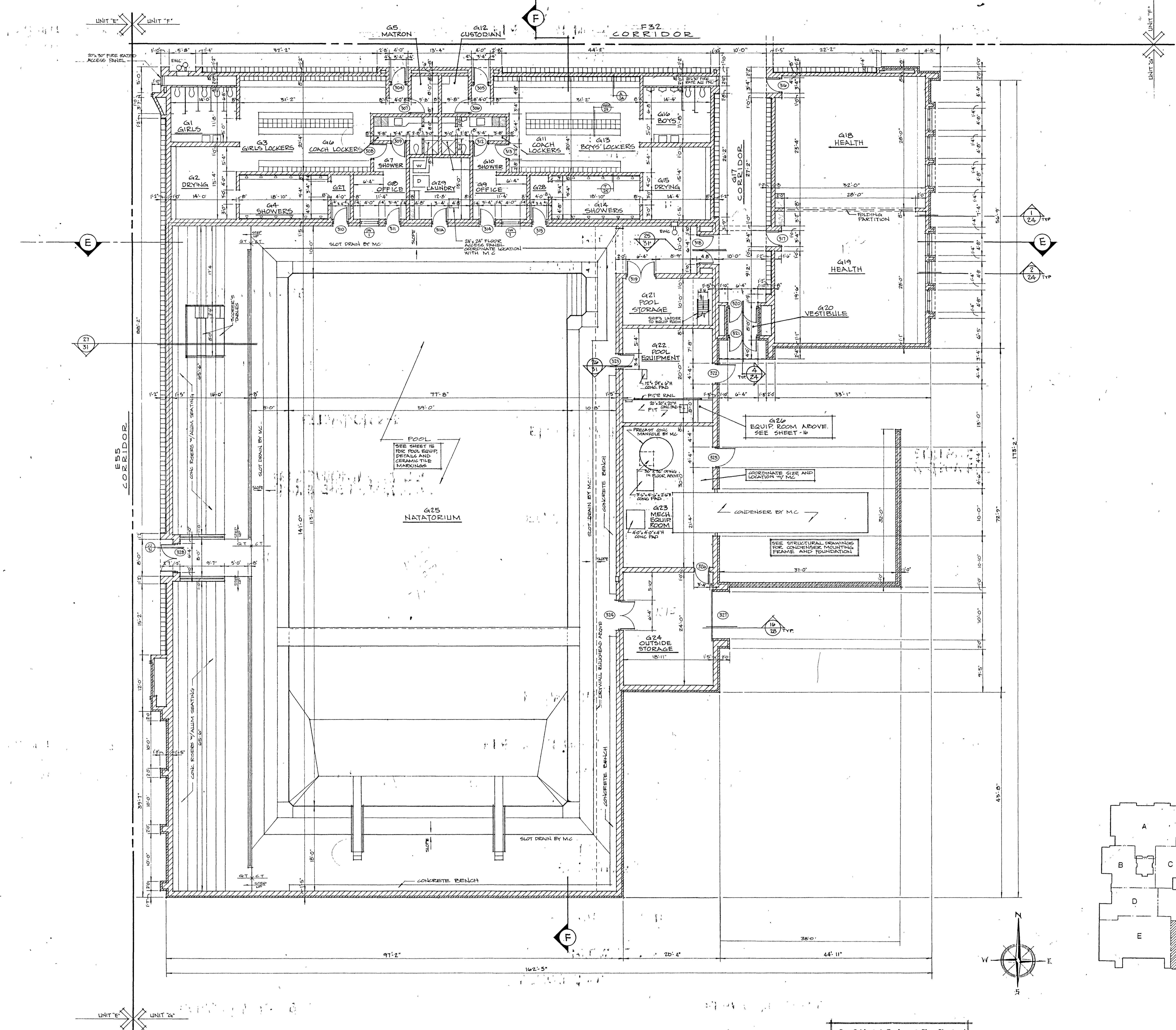
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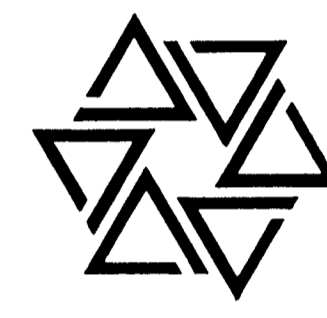


See Cabinet & Equipment Plan Sheet for location and size of cabinets, tackboards, chalkboards, acoustical panels, mirrors, etc.

UNIT 'G' FLOOR PLAN
SCALE: 1/8" = 1'-0"

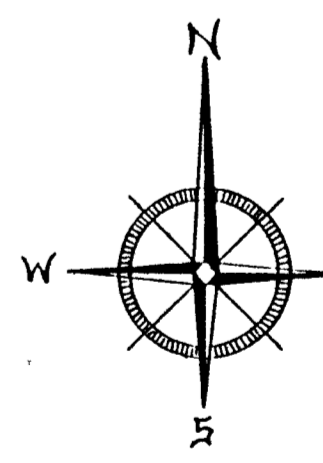
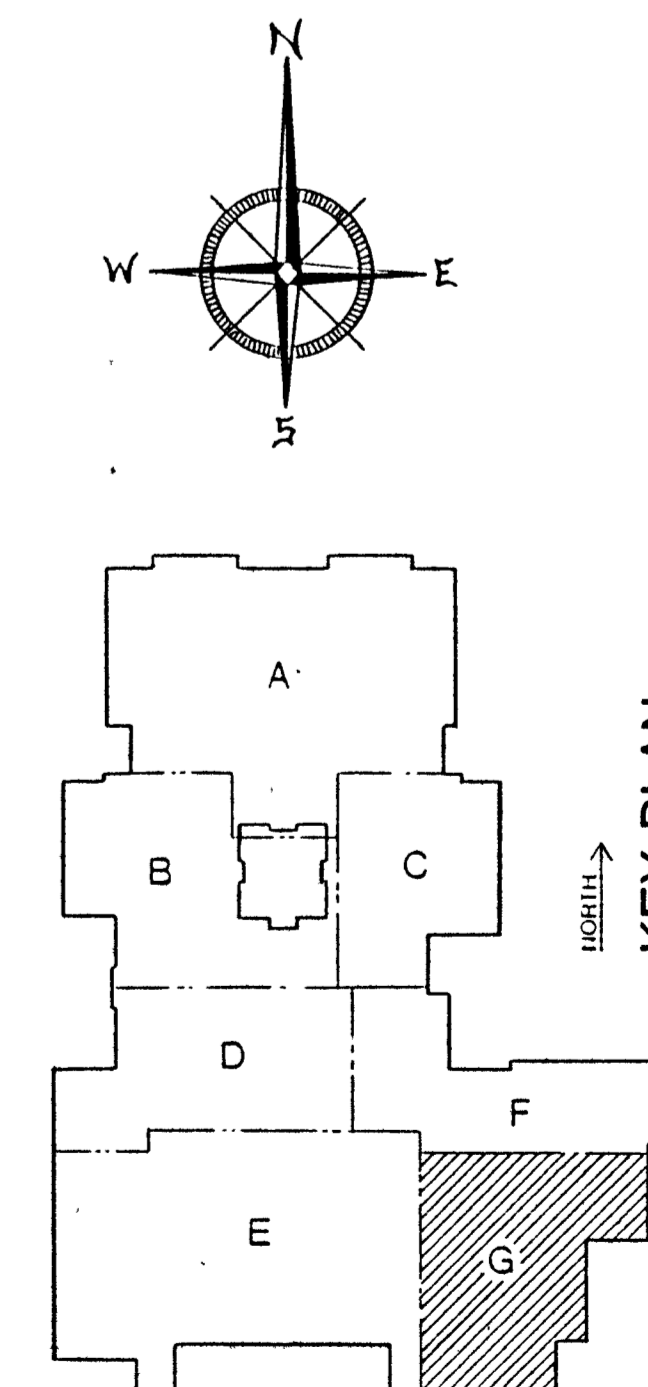
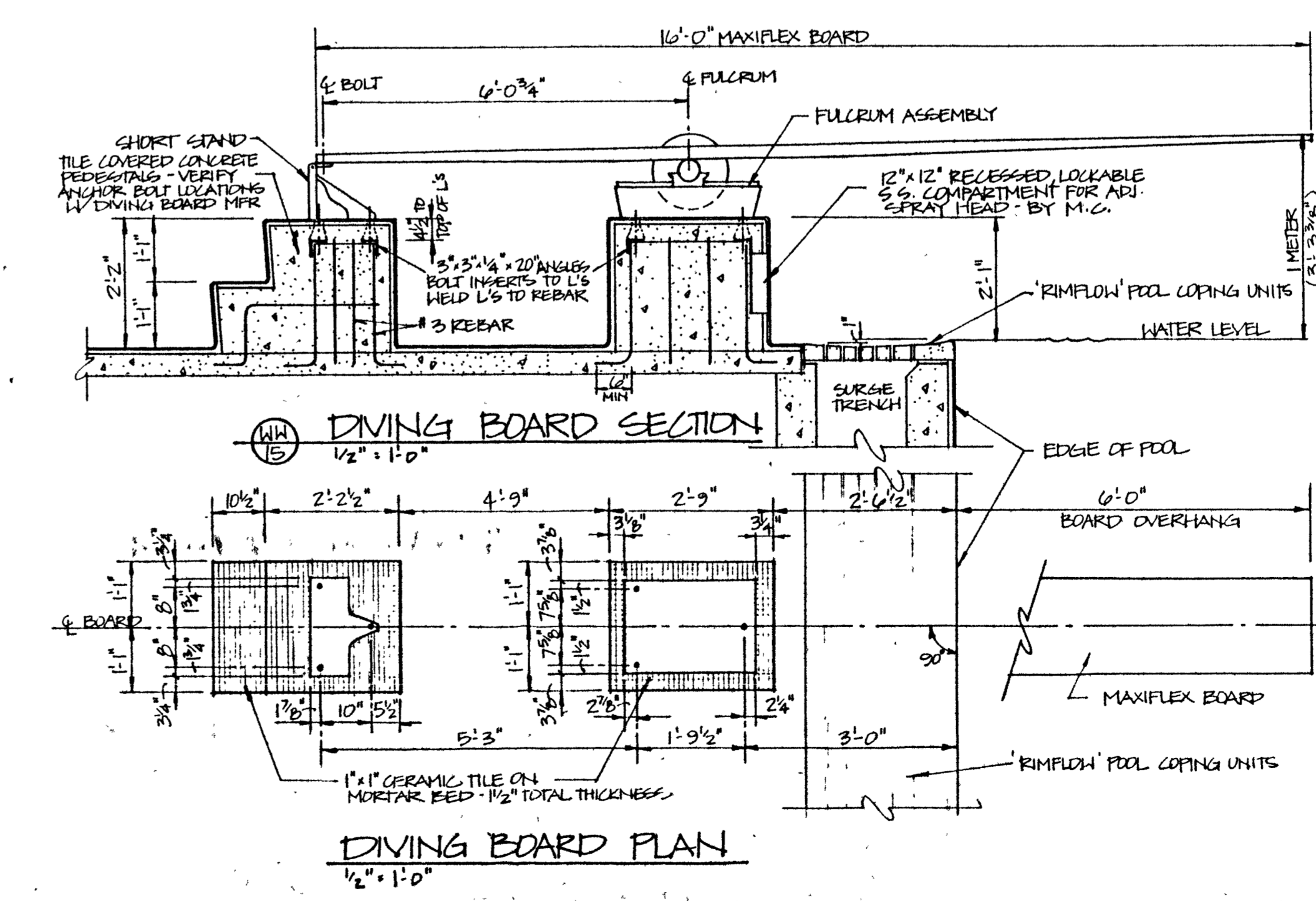
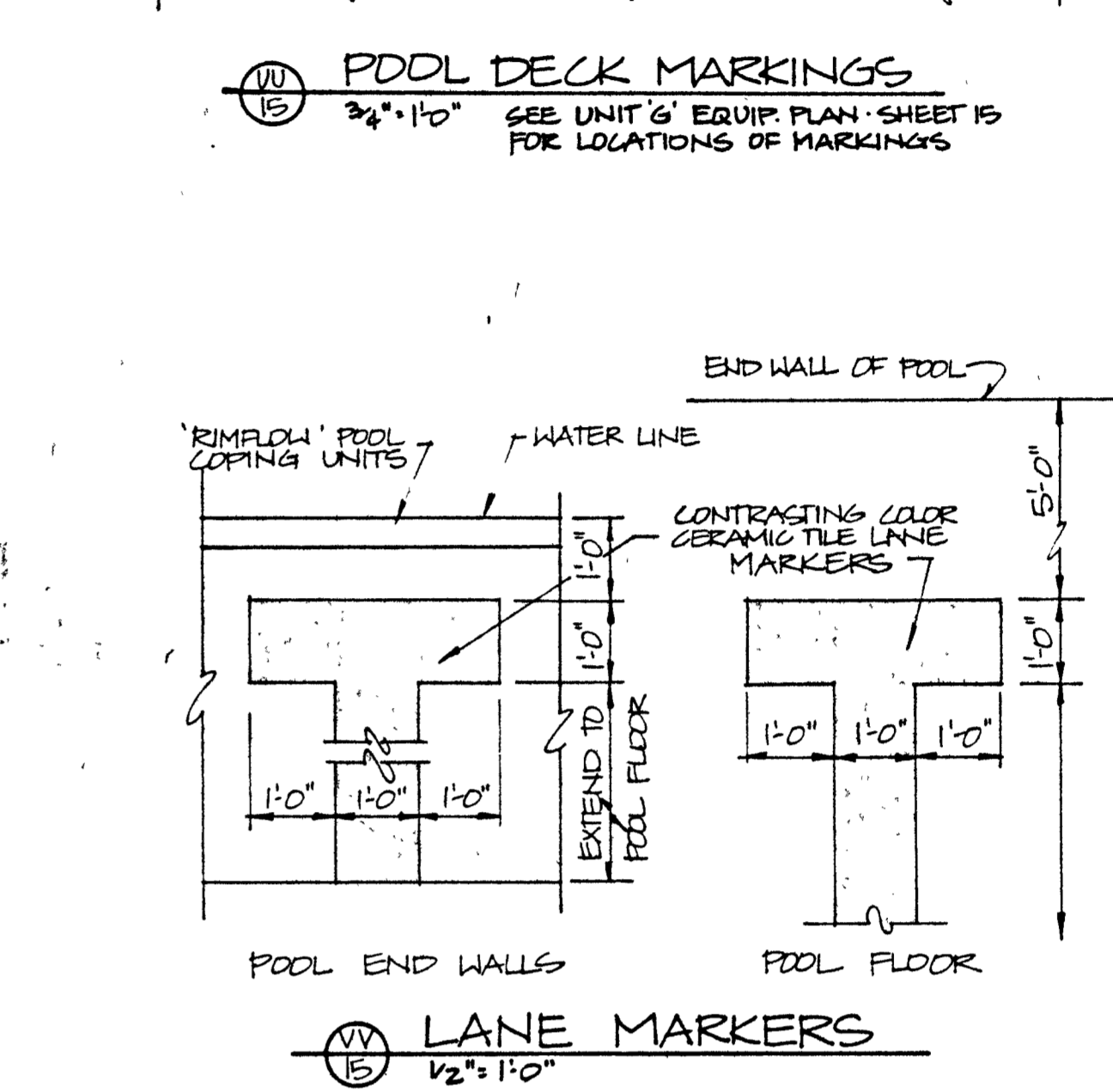
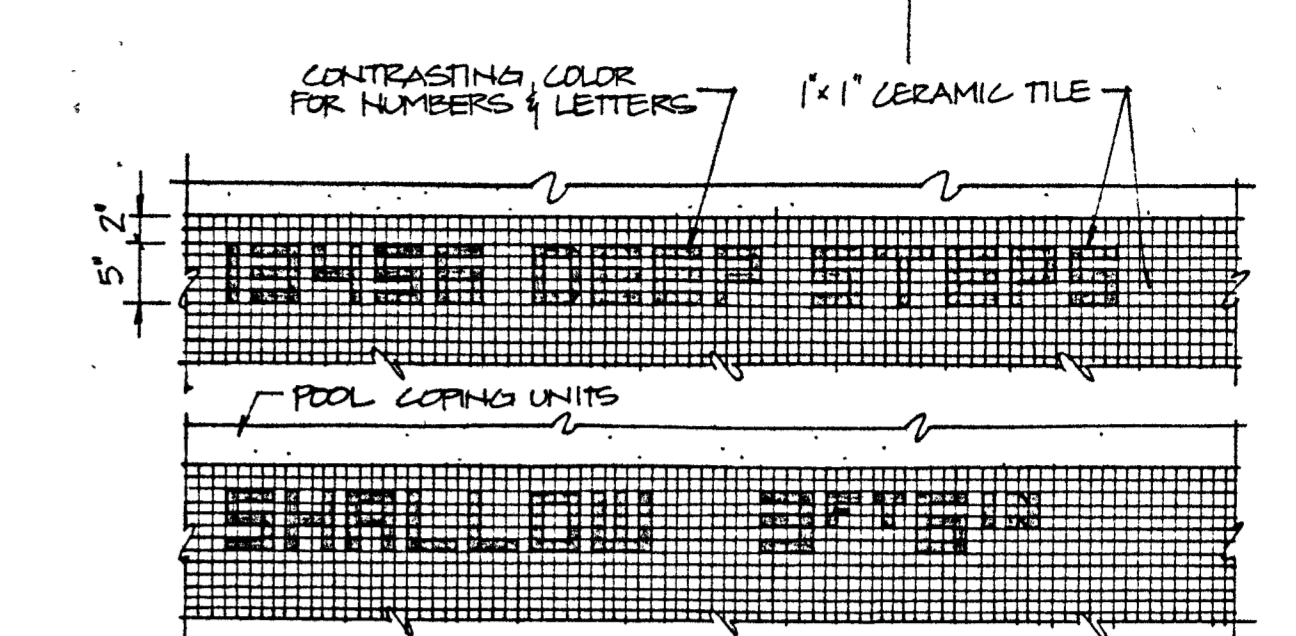
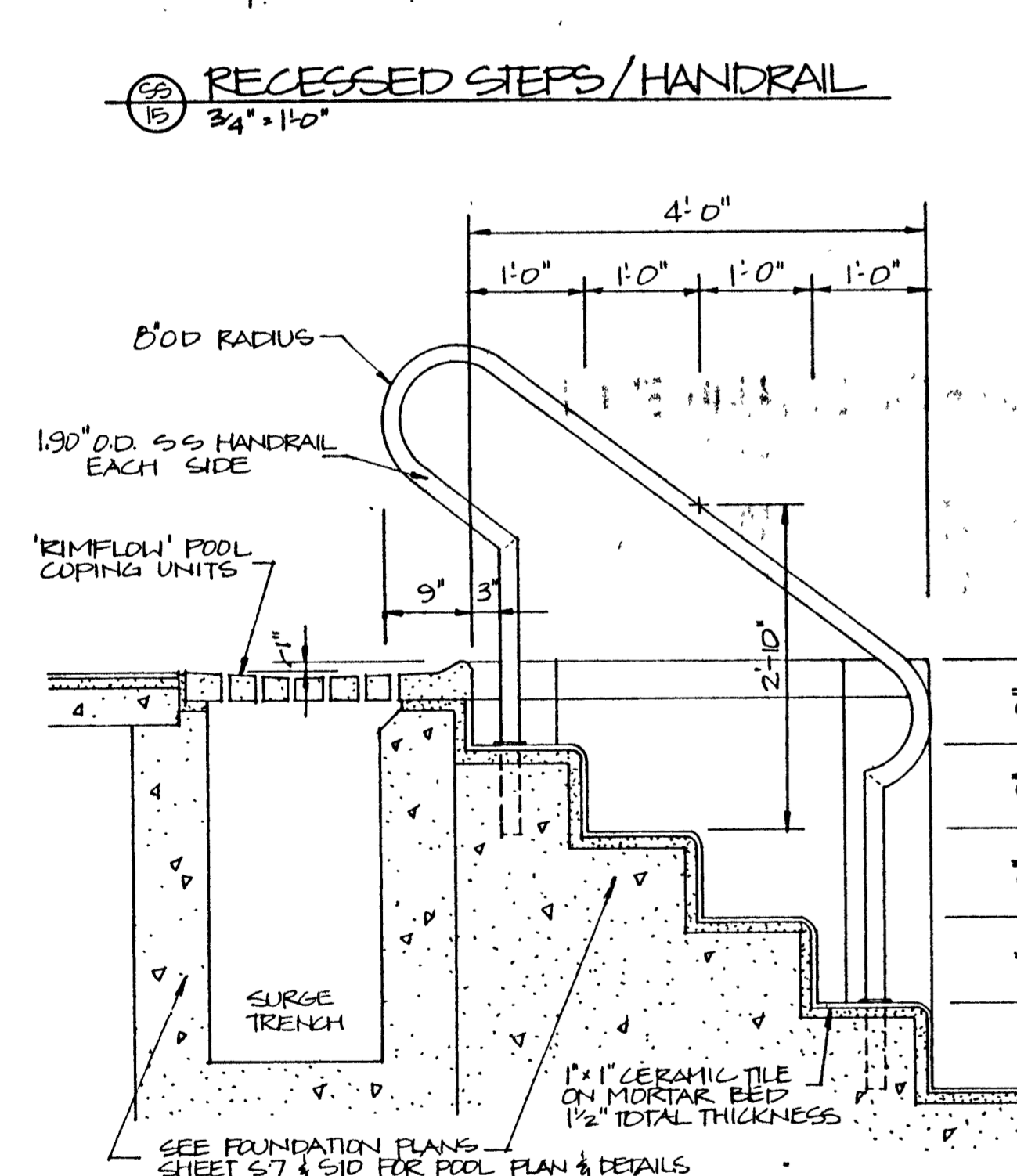
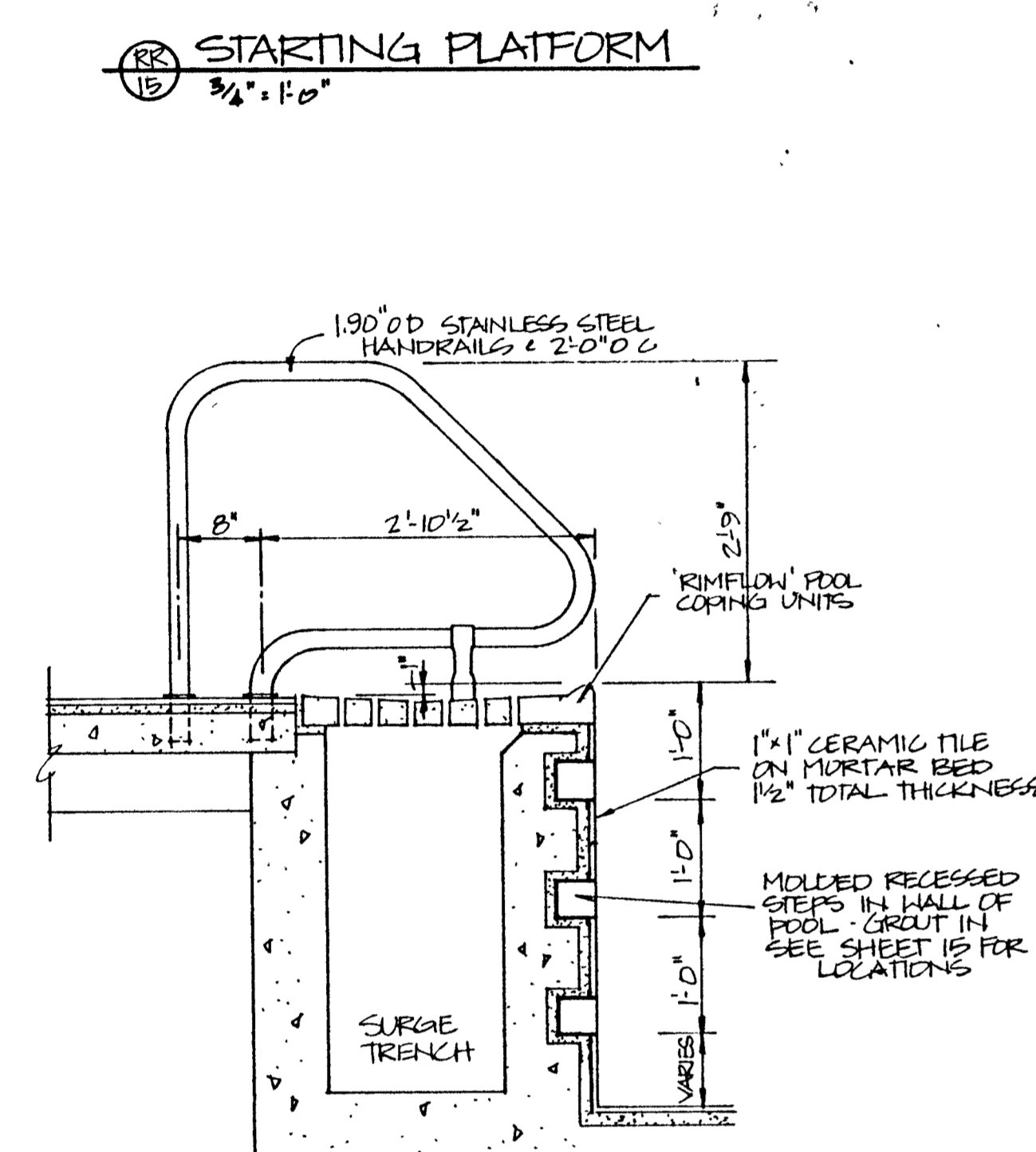
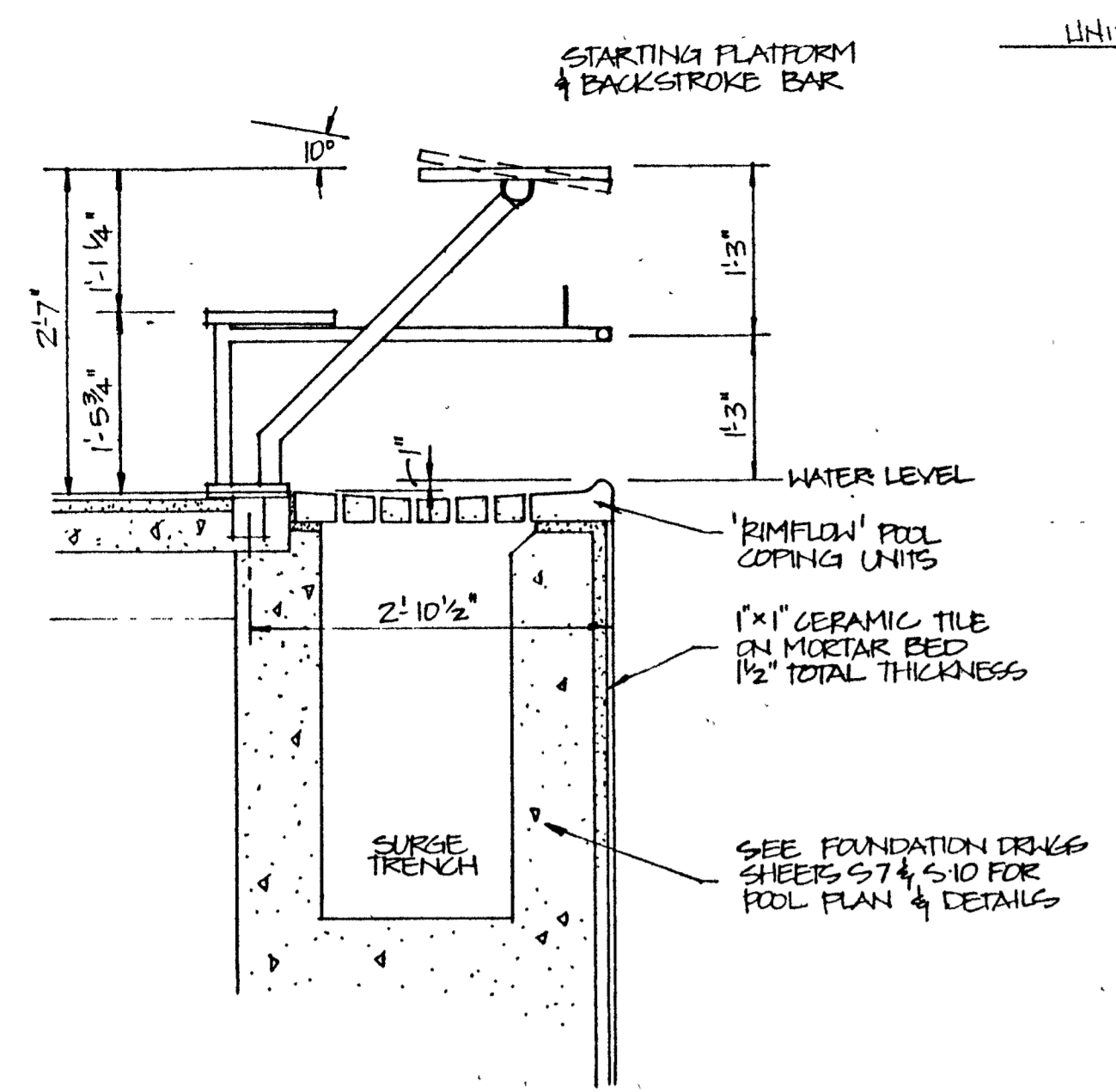
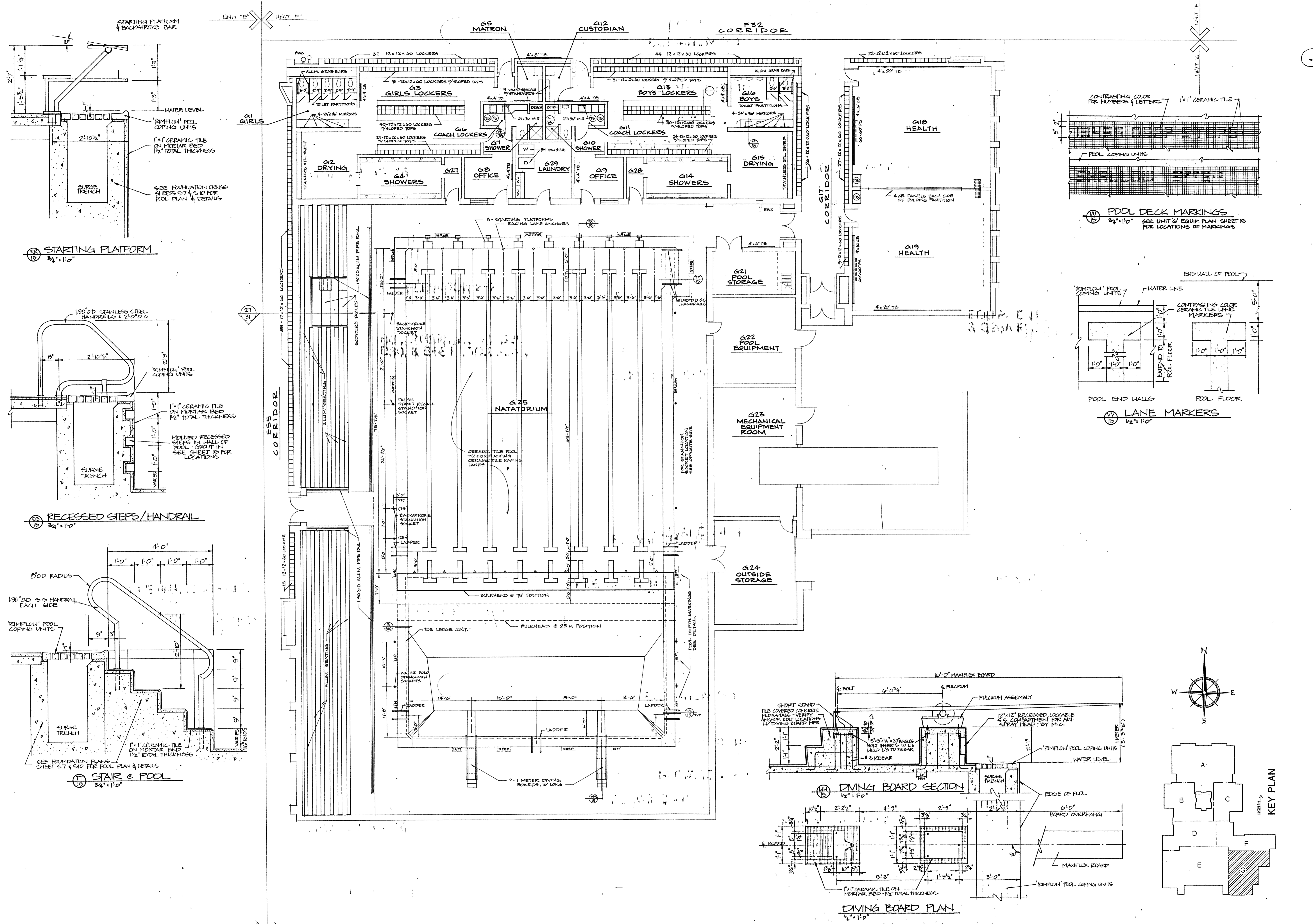
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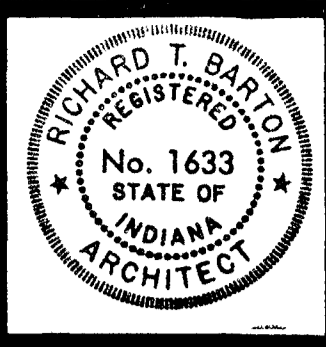
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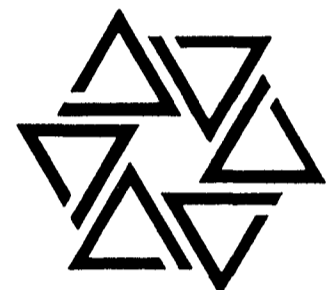
UNIT 'E' UNIT 'F'

UNIT 'E' UNIT 'G'



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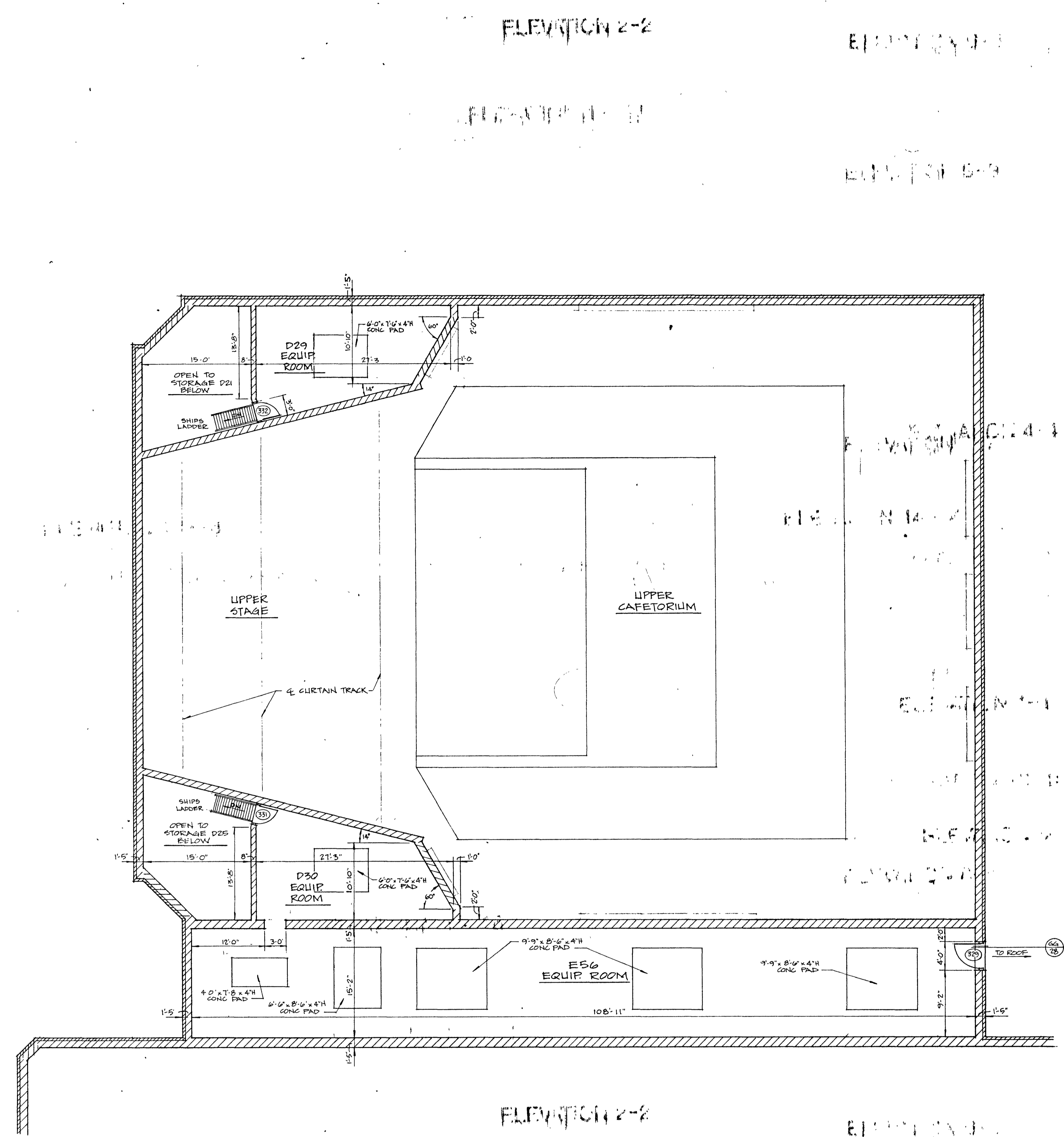
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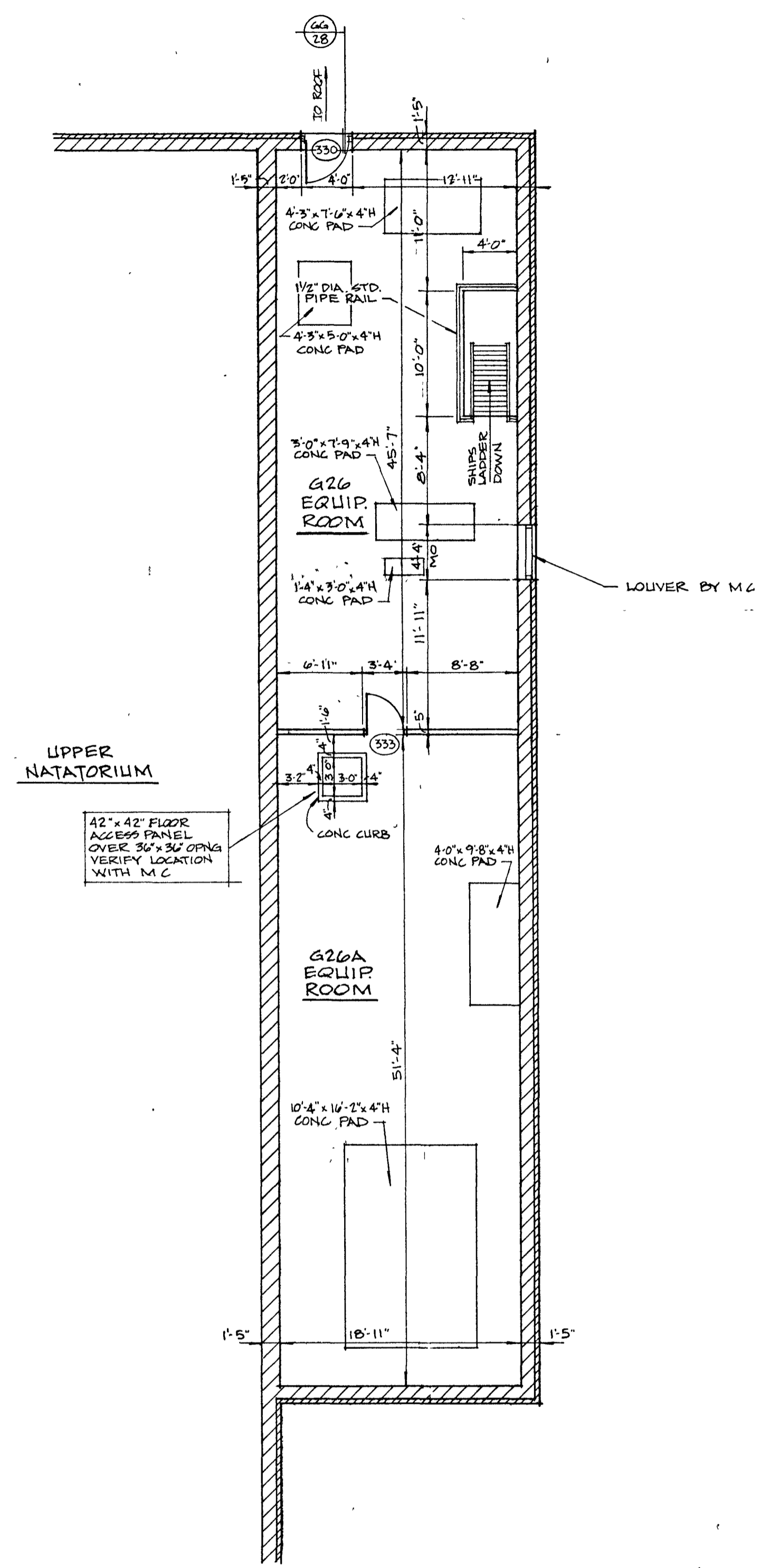
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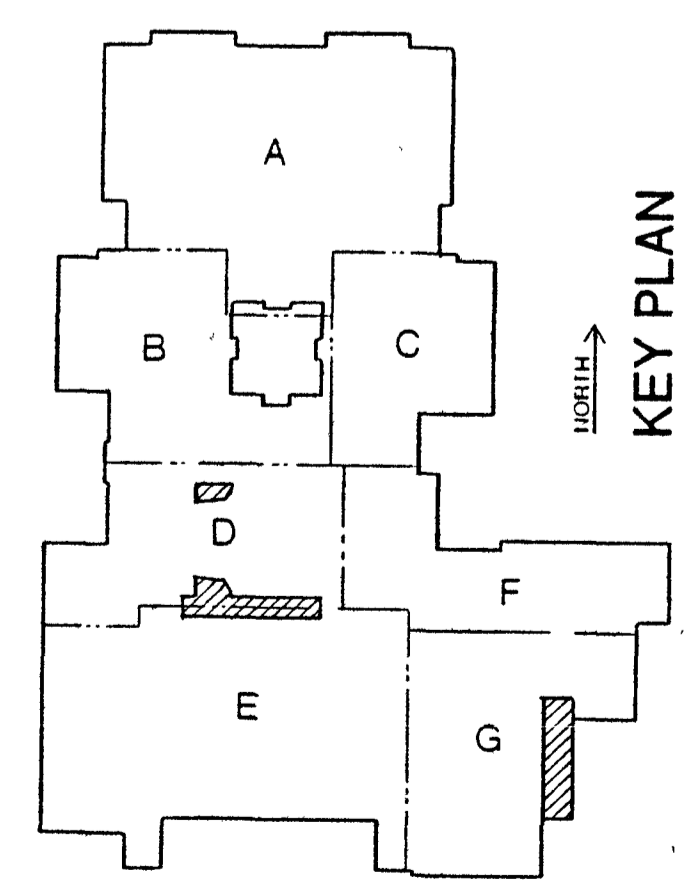
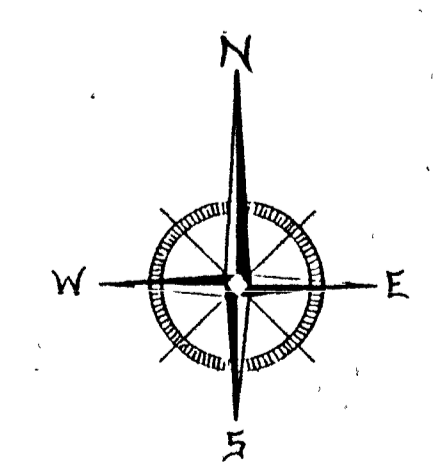
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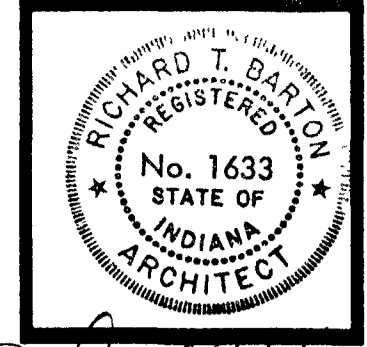
EQUIPMENT ROOM D29, D30, & E56 FLOOR PLAN



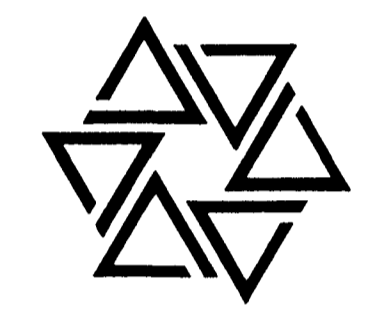
EQUIPMENT ROOM G26 & G26A FLOOR PLAN



EQUIPMENT ROOM FLOOR PLANS
SCALE: 1/8" = 1'-0"



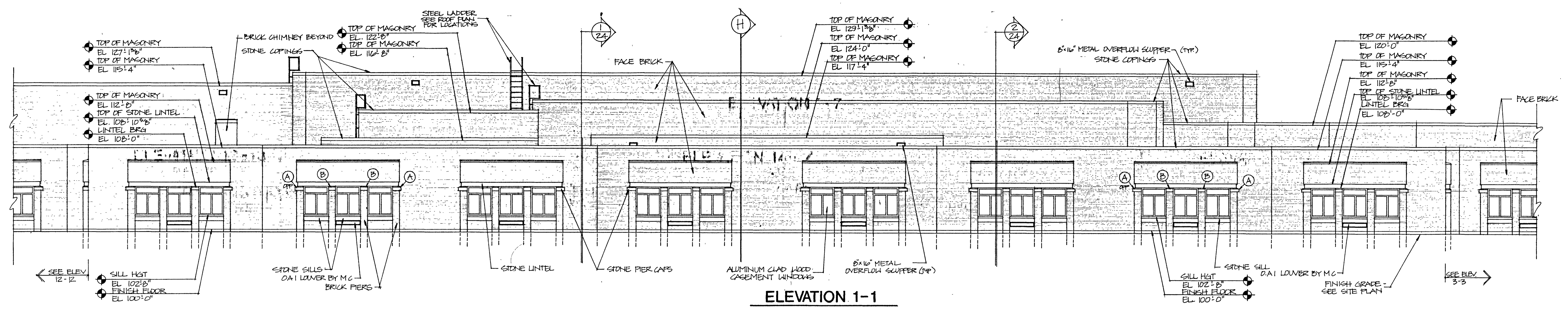
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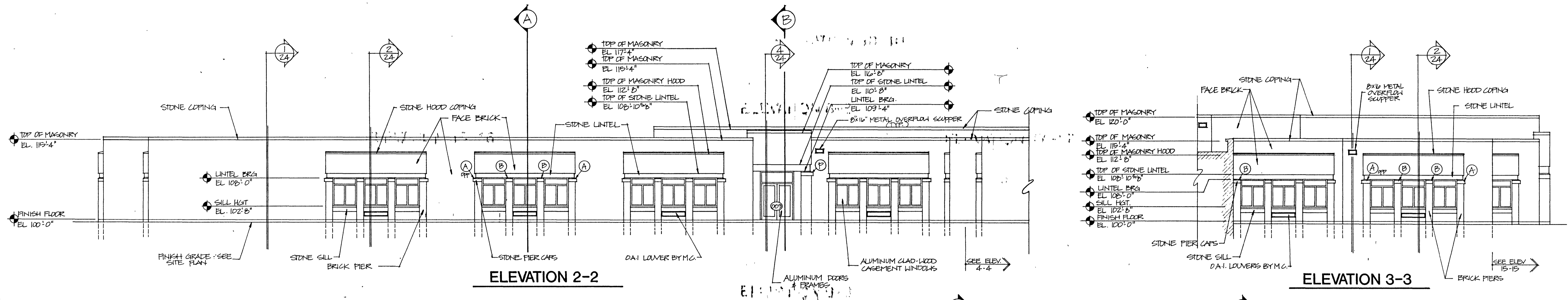
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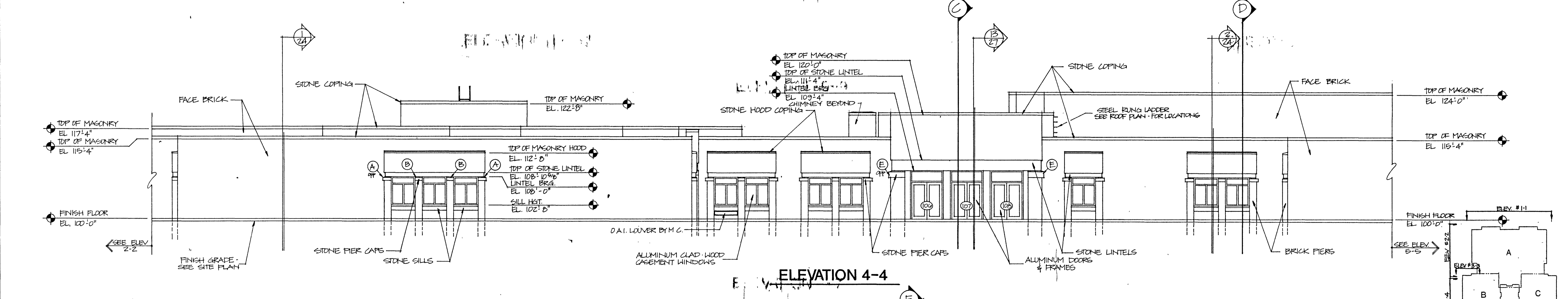


ELEVATION 1-1

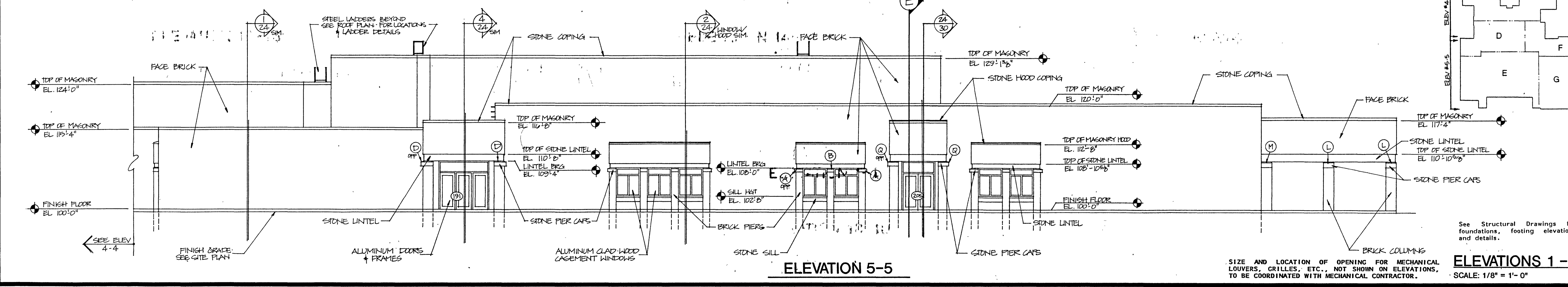


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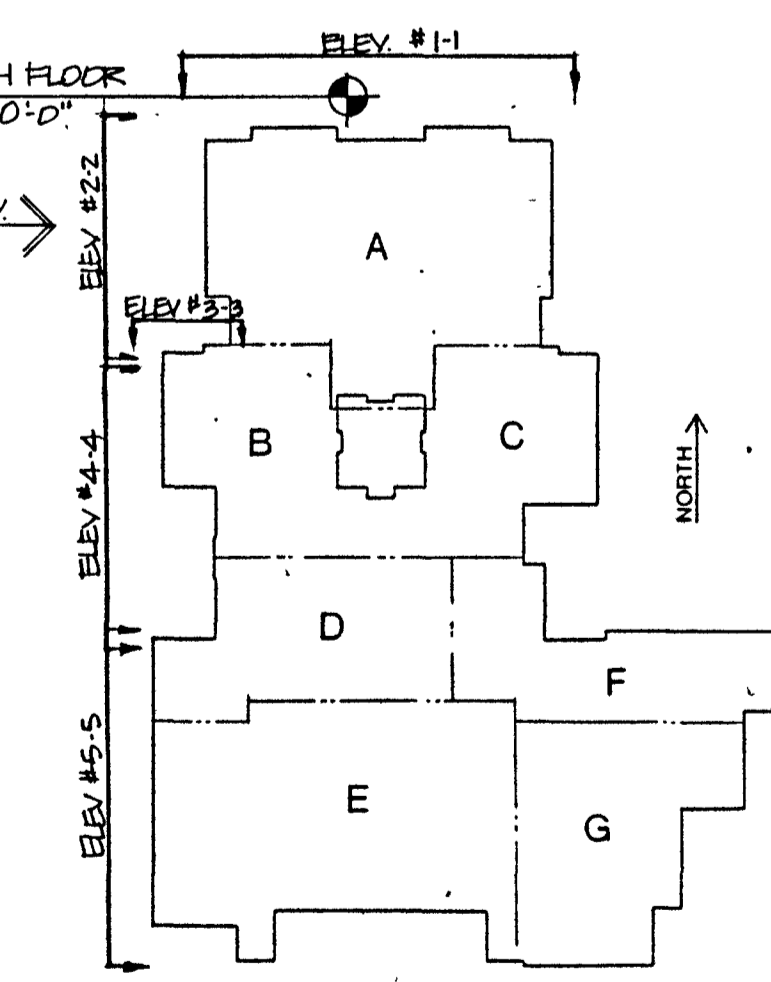
ELEVATION 3-3



ELEVATION 4-4



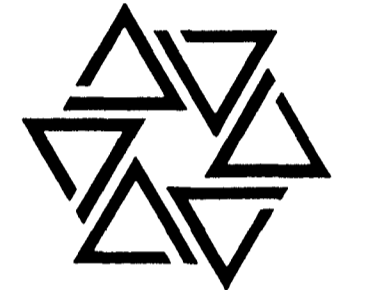
ELEVATION 5-5



See Structural Drawings for foundations, footing elevations and details.
ELEVATIONS 1 - 5
 SCALE: 1/8" = 1'-0"



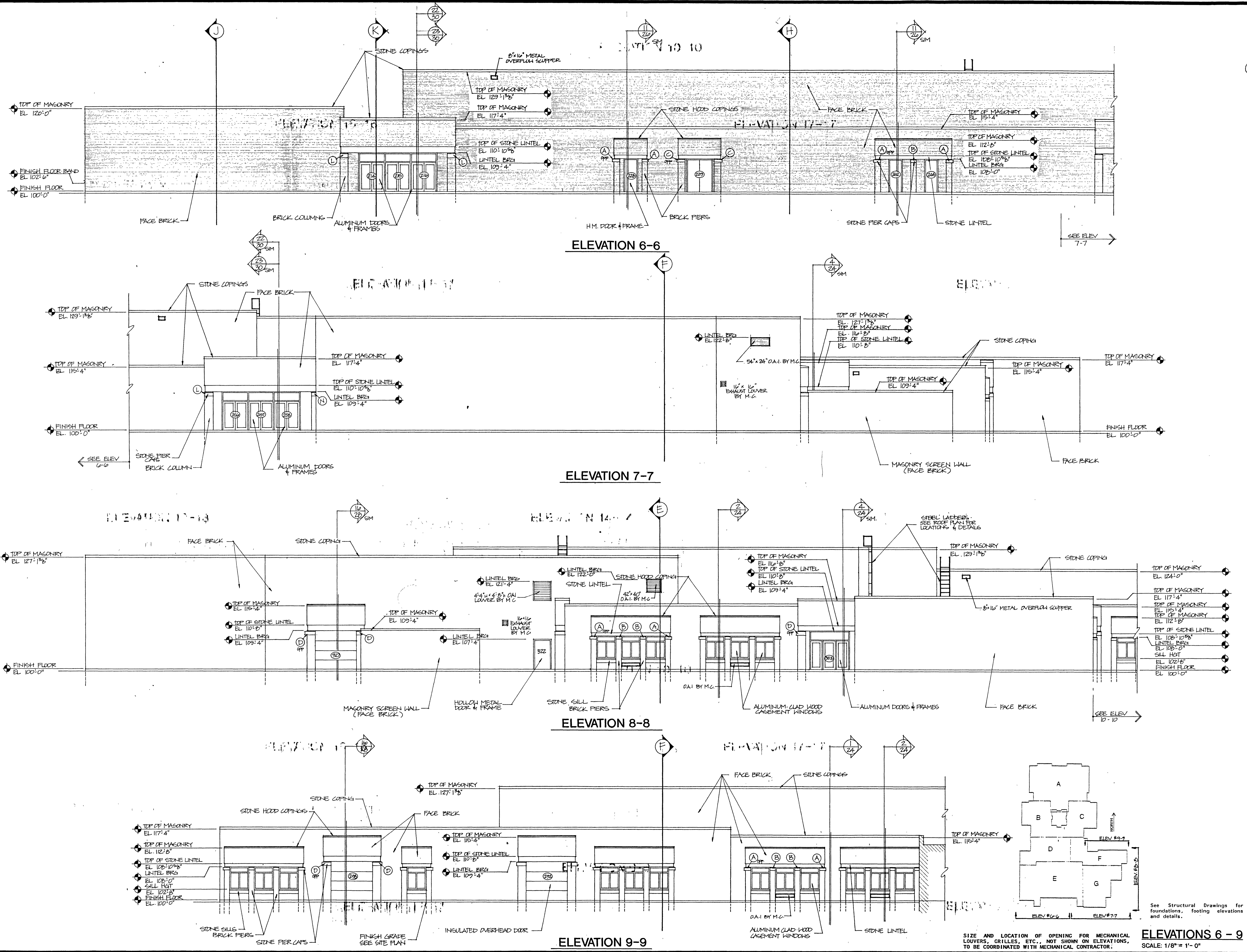
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ELEVATION 6-6

ELEVATION 7-7

ELEVATION 8-8

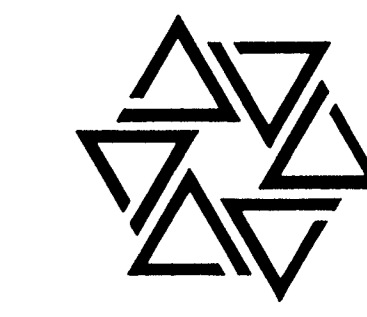
ELEVATION 9-9

See Structural Drawings for foundations, footing elevations and details.
SIZE AND LOCATION OF OPENING FOR MECHANICAL LOUVERS, GRILLES, ETC., NOT SHOWN ON ELEVATIONS, TO BE COORDINATED WITH MECHANICAL CONTRACTOR.
ELEVATIONS 6 - 9
SCALE: 1/8" = 1'-0"



Richard T. Barton
No. 1633
STATE OF INDIANA
ARCHITECT

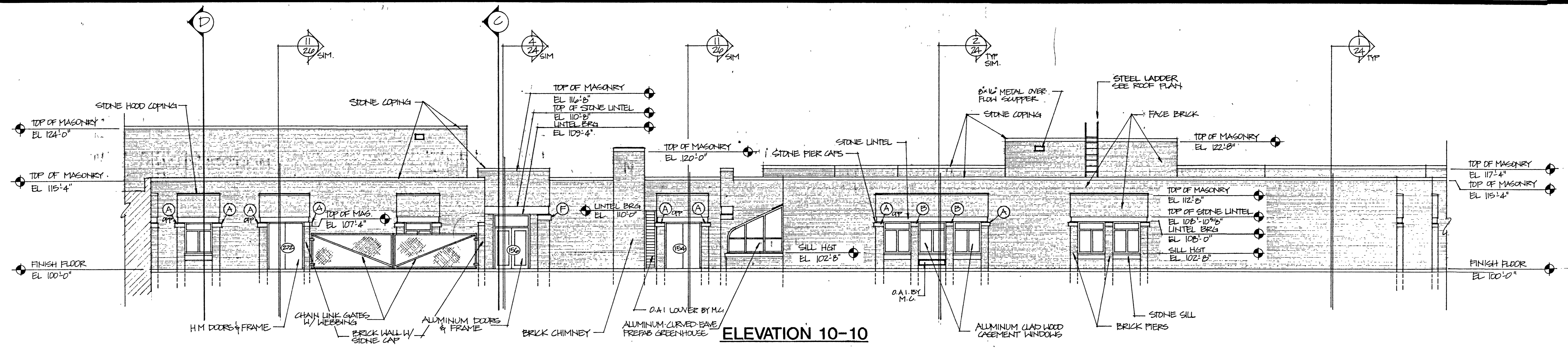
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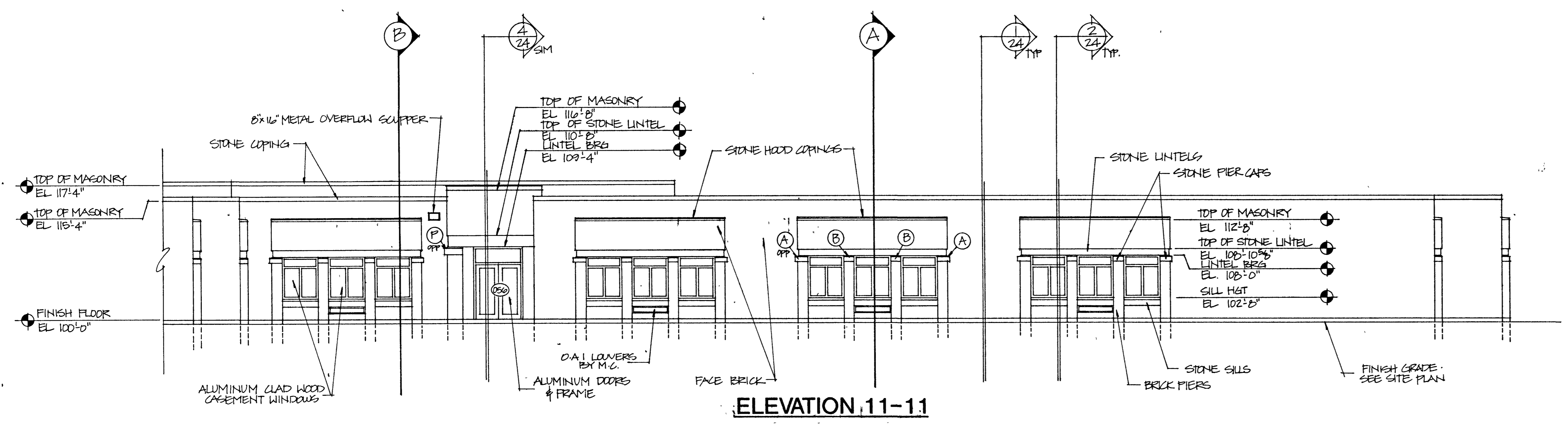
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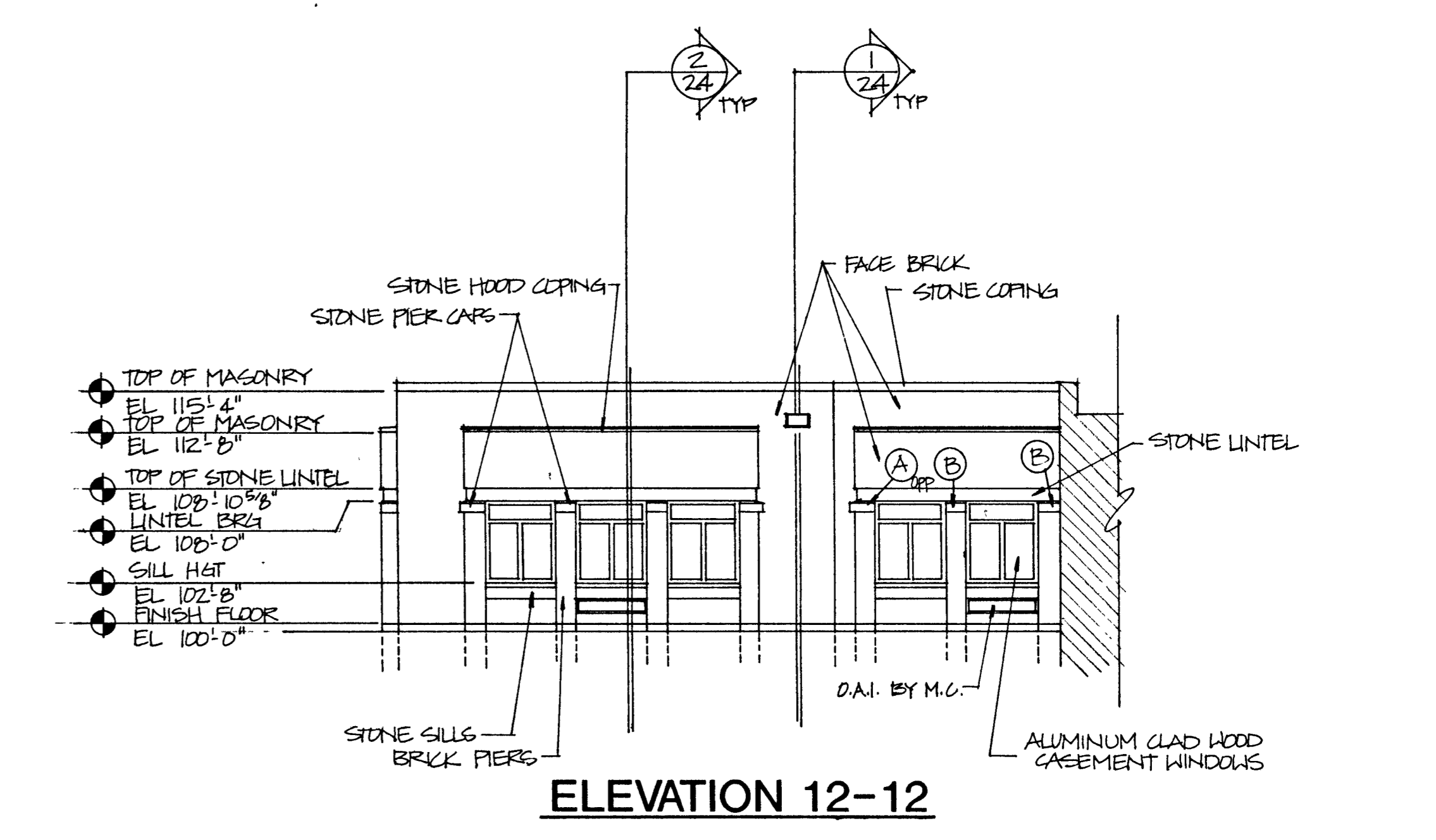
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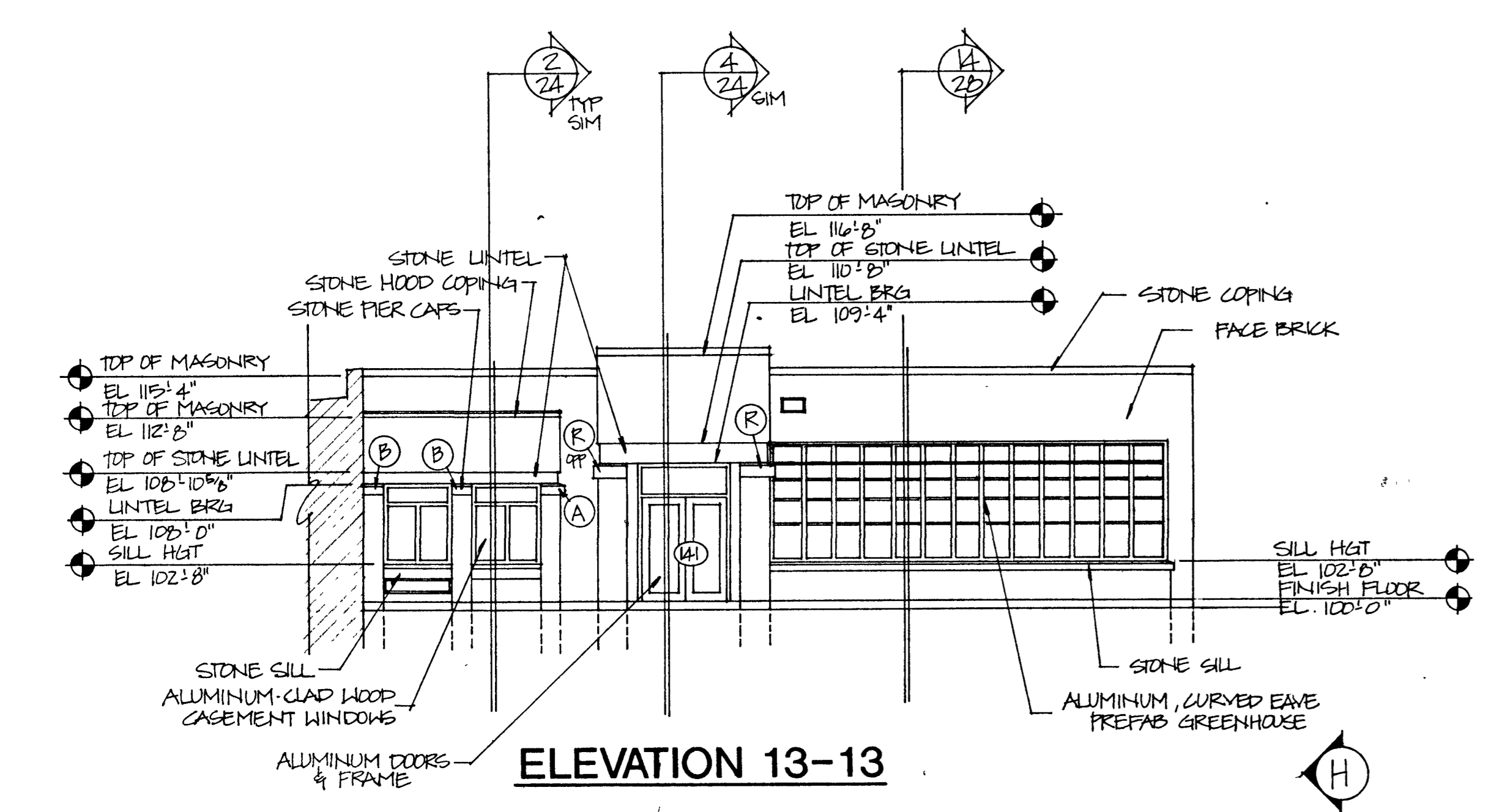
ELEVATION 10-10



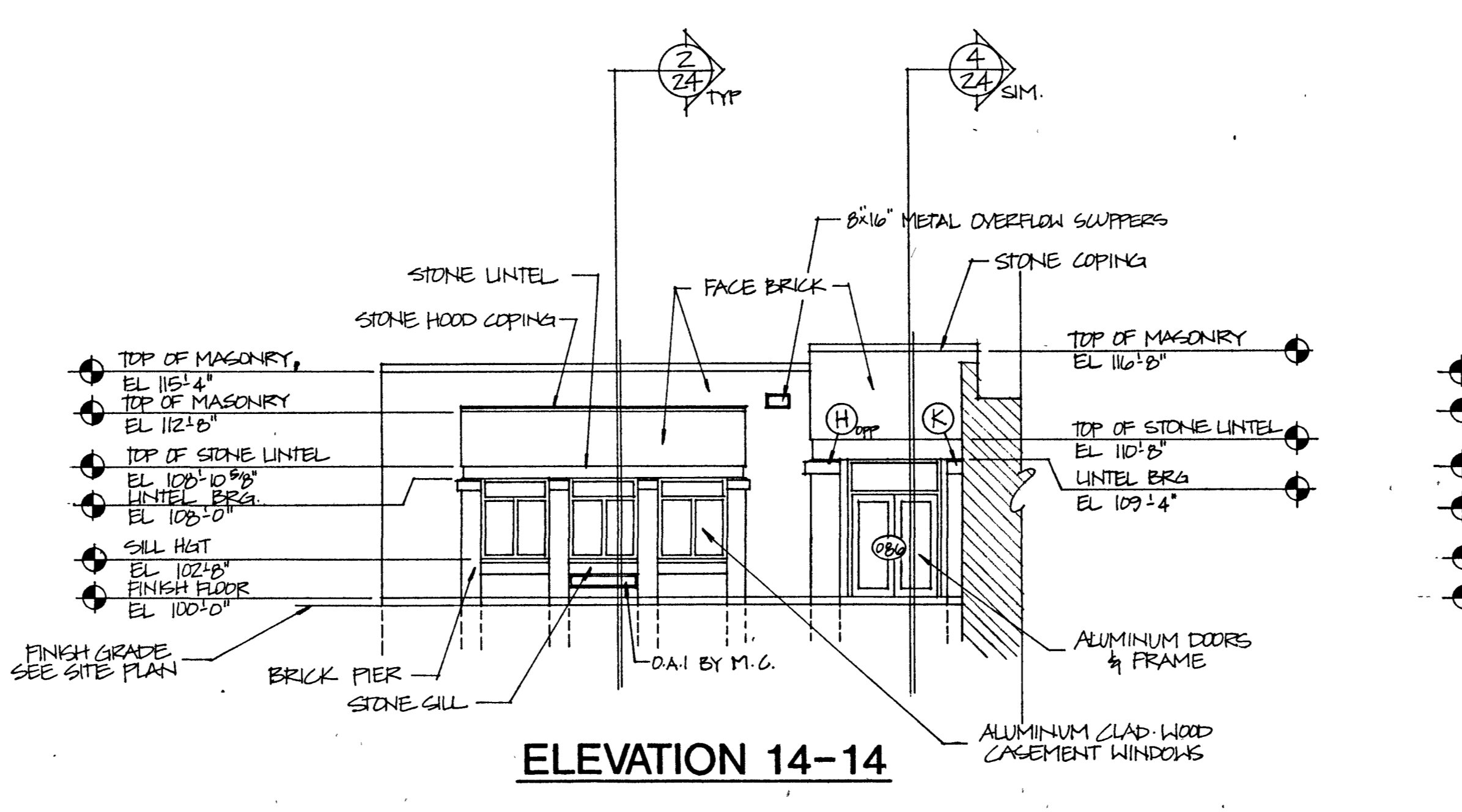
ELEVATION 11-11



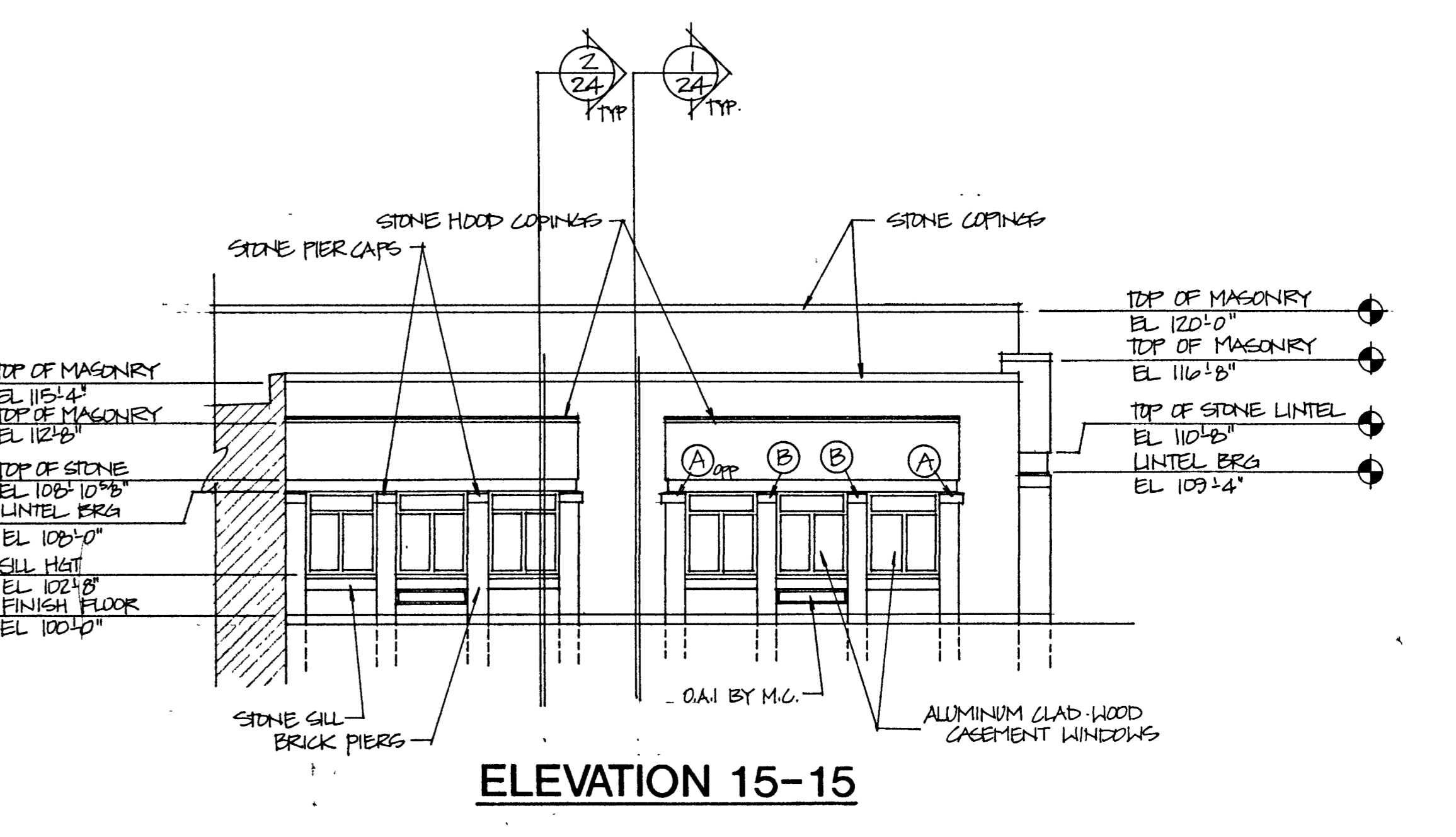
ELEVATION 12-12



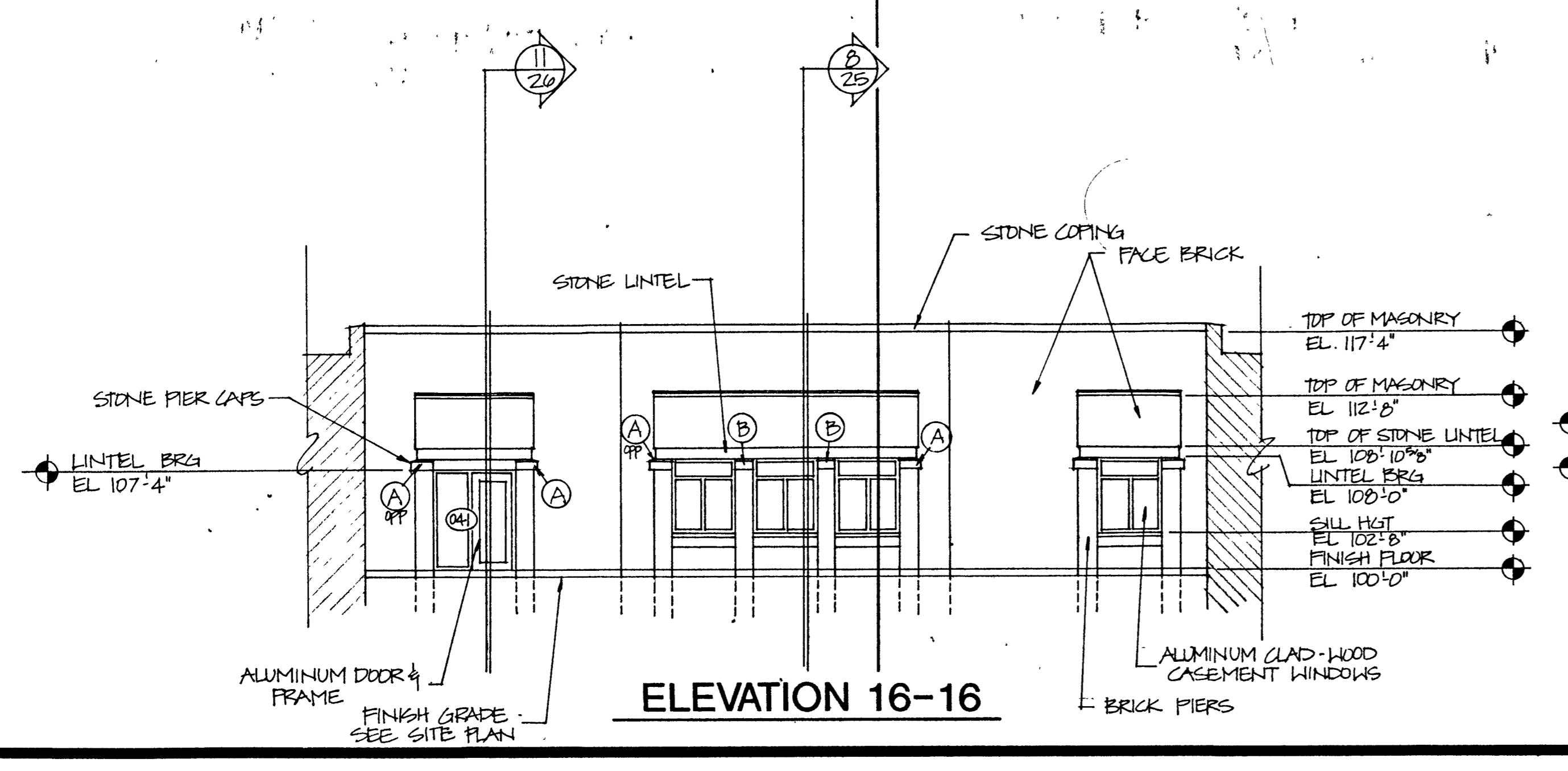
ELEVATION 13-13



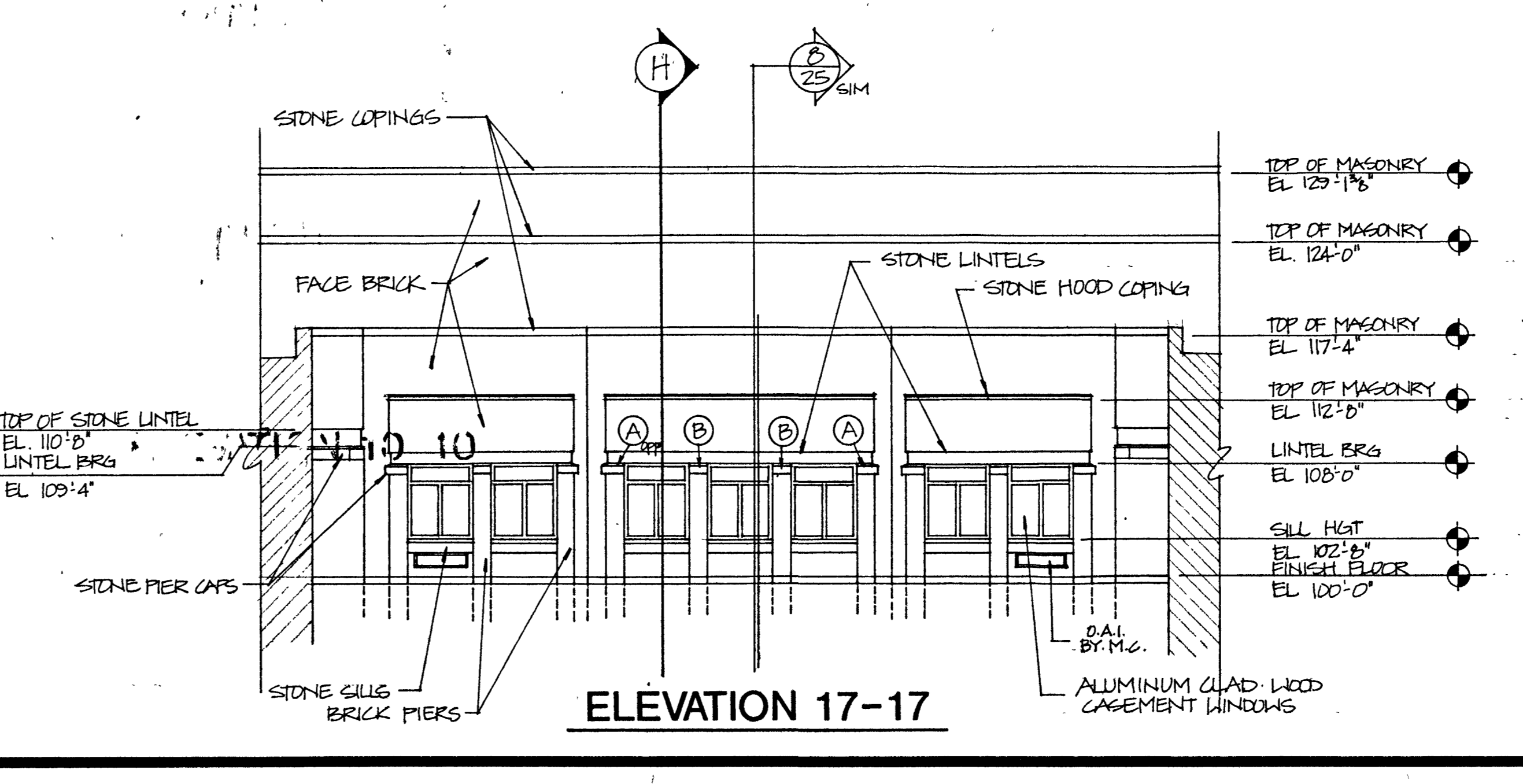
ELEVATION 14-14



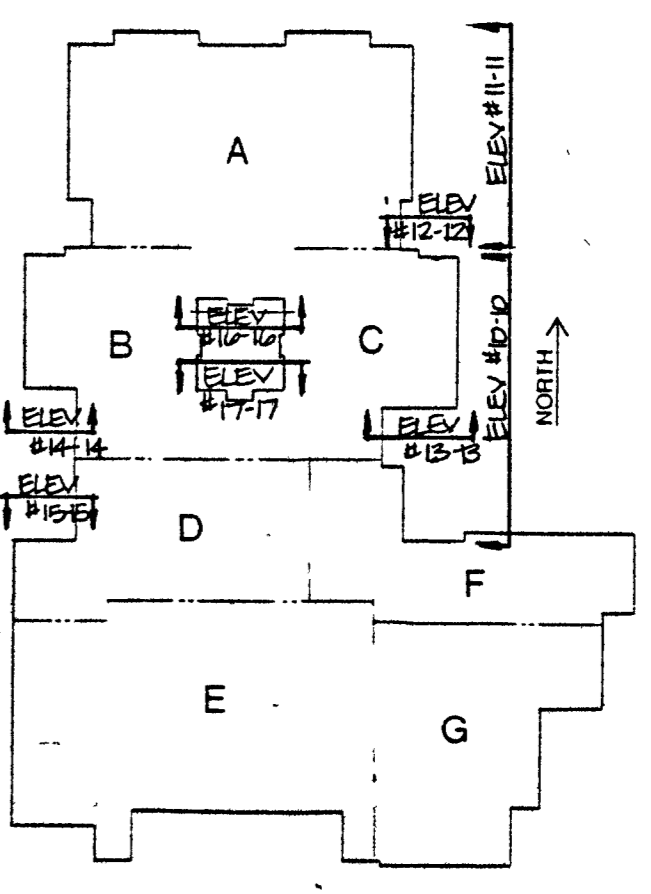
ELEVATION 15-15



ELEVATION 16-16



ELEVATION 17-17



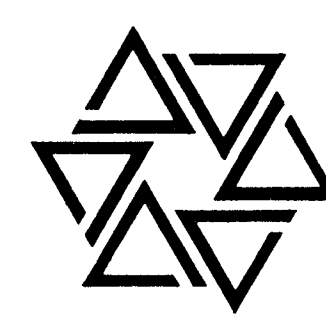
See Structural Drawings for foundations, footing elevations and details.
SIZE AND LOCATION OF OPENING FOR MECHANICAL LOUVERS, GRILLES, ETC., NOT SHOWN ON ELEVATIONS, TO BE COORDINATED WITH MECHANICAL CONTRACTOR.

ELEVATIONS 10 - 17
SCALE: 1/8" = 1'-0"



Richard Barton

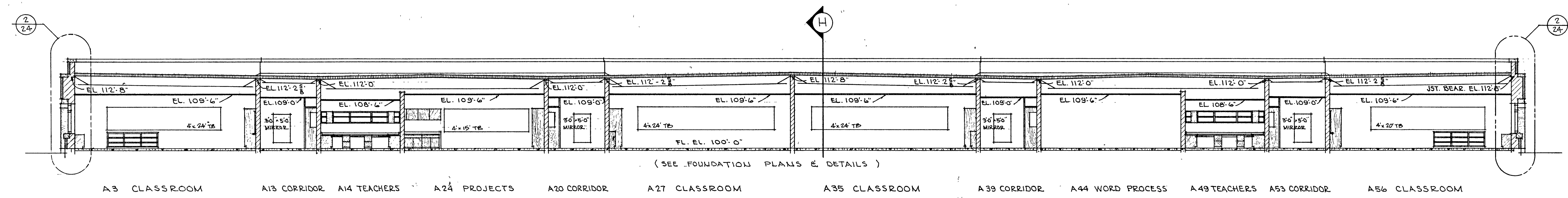
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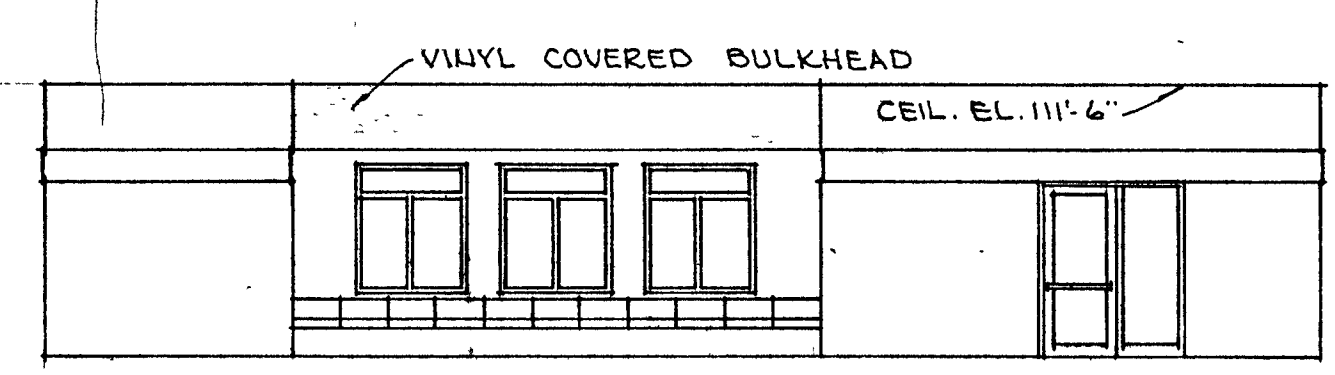
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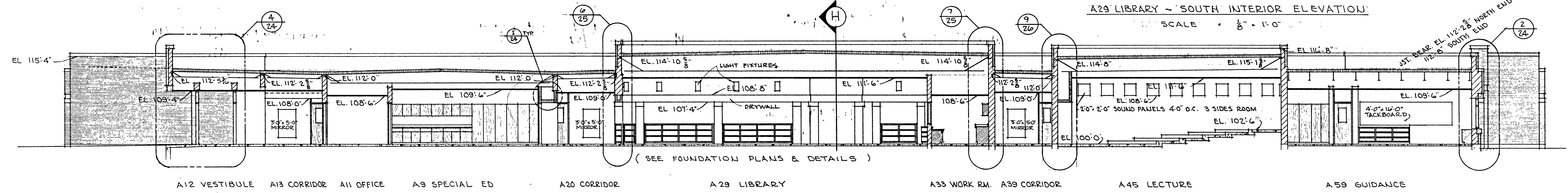
BUILDING SECTION A-A

SCALE 1/8" = 1'-0"



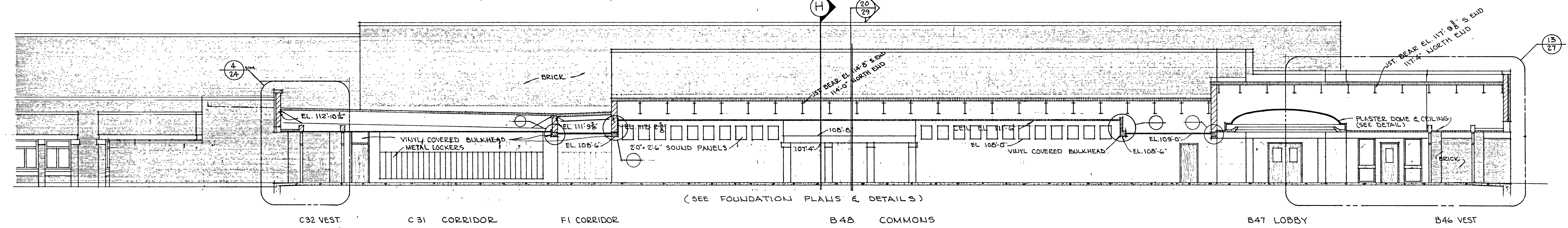
A29 LIBRARY - SOUTH INTERIOR ELEVATION

SCALE 1/8" = 1'-0"



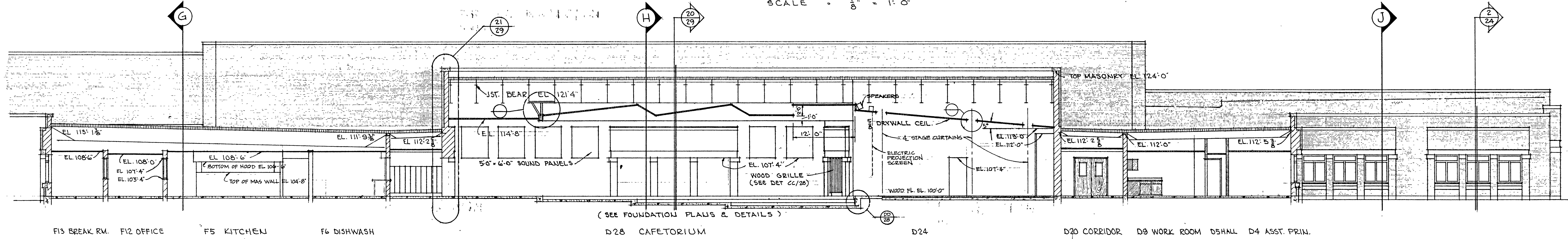
BUILDING SECTION B-B

SCALE 1/8" = 1'-0"



BUILDING SECTION C-C

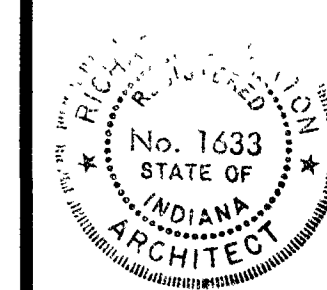
SCALE 1/8" = 1'-0"



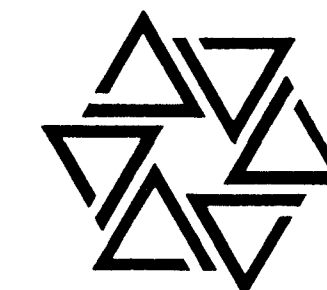
BUILDING SECTION D-D

SCALE 1/8" = 1'-0"

BUILDING SECTIONS A - D
SCALE: 1/8" = 1'-0"



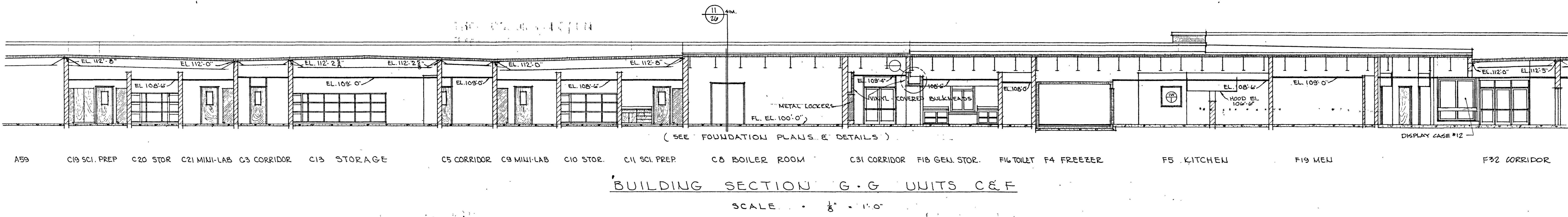
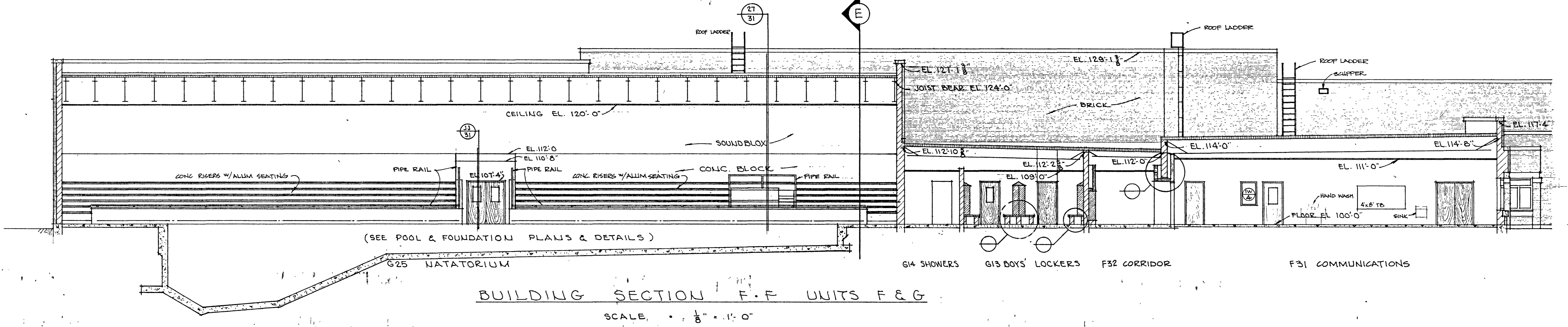
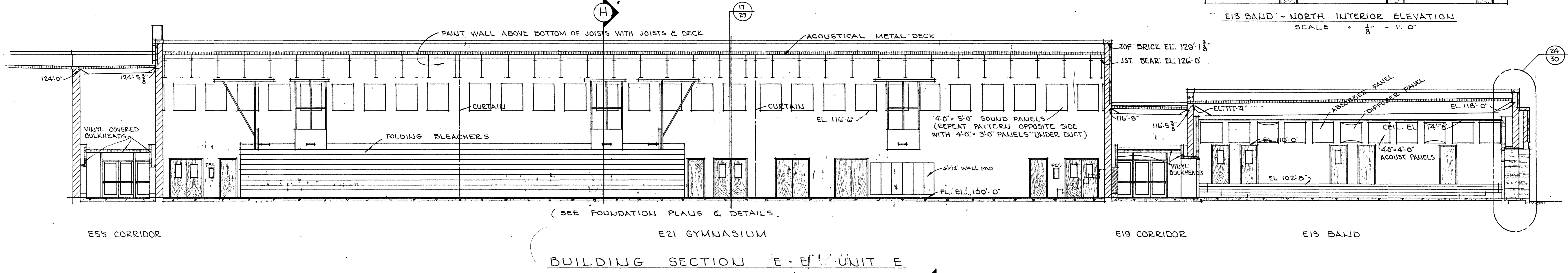
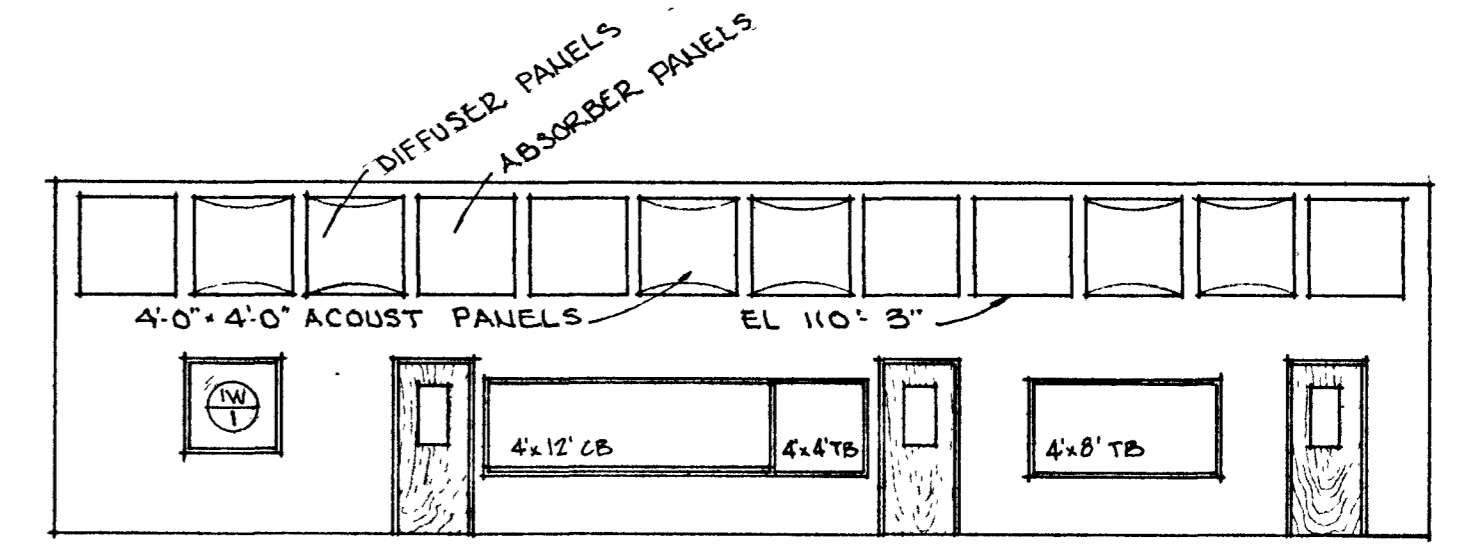
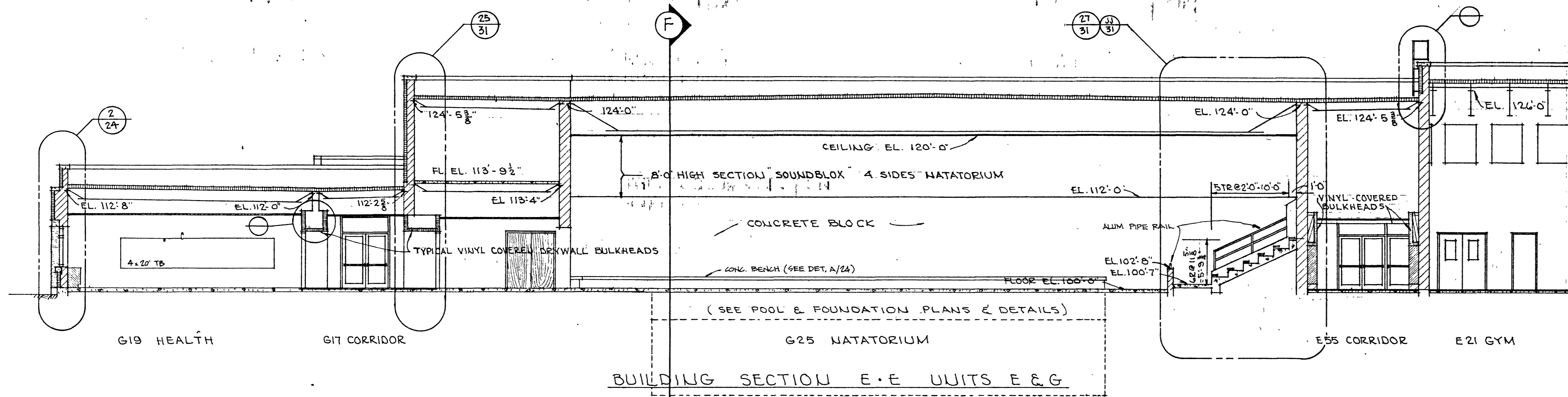
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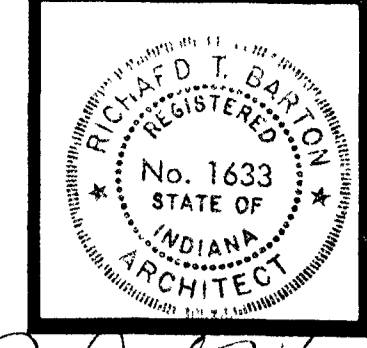
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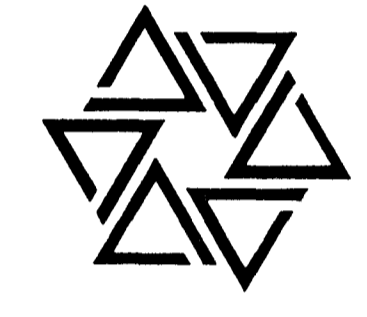


BUILDING SECTIONS E - G
SCALE 1/8" = 1'-0"



John R. Barton

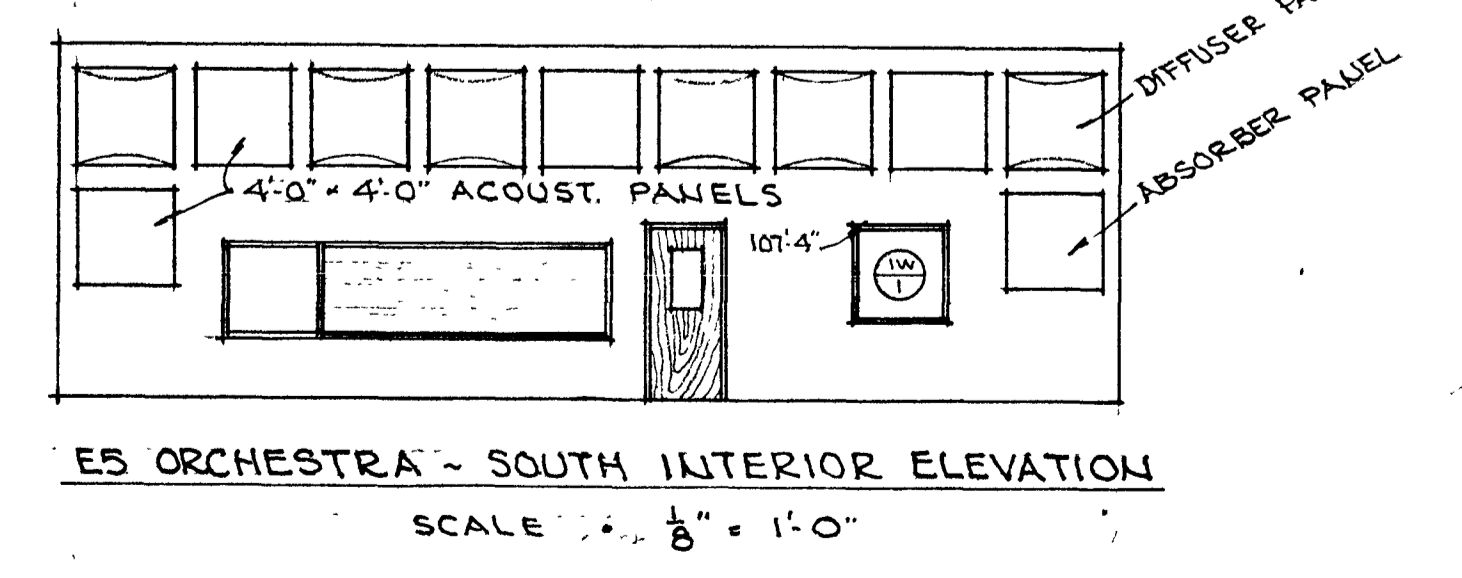
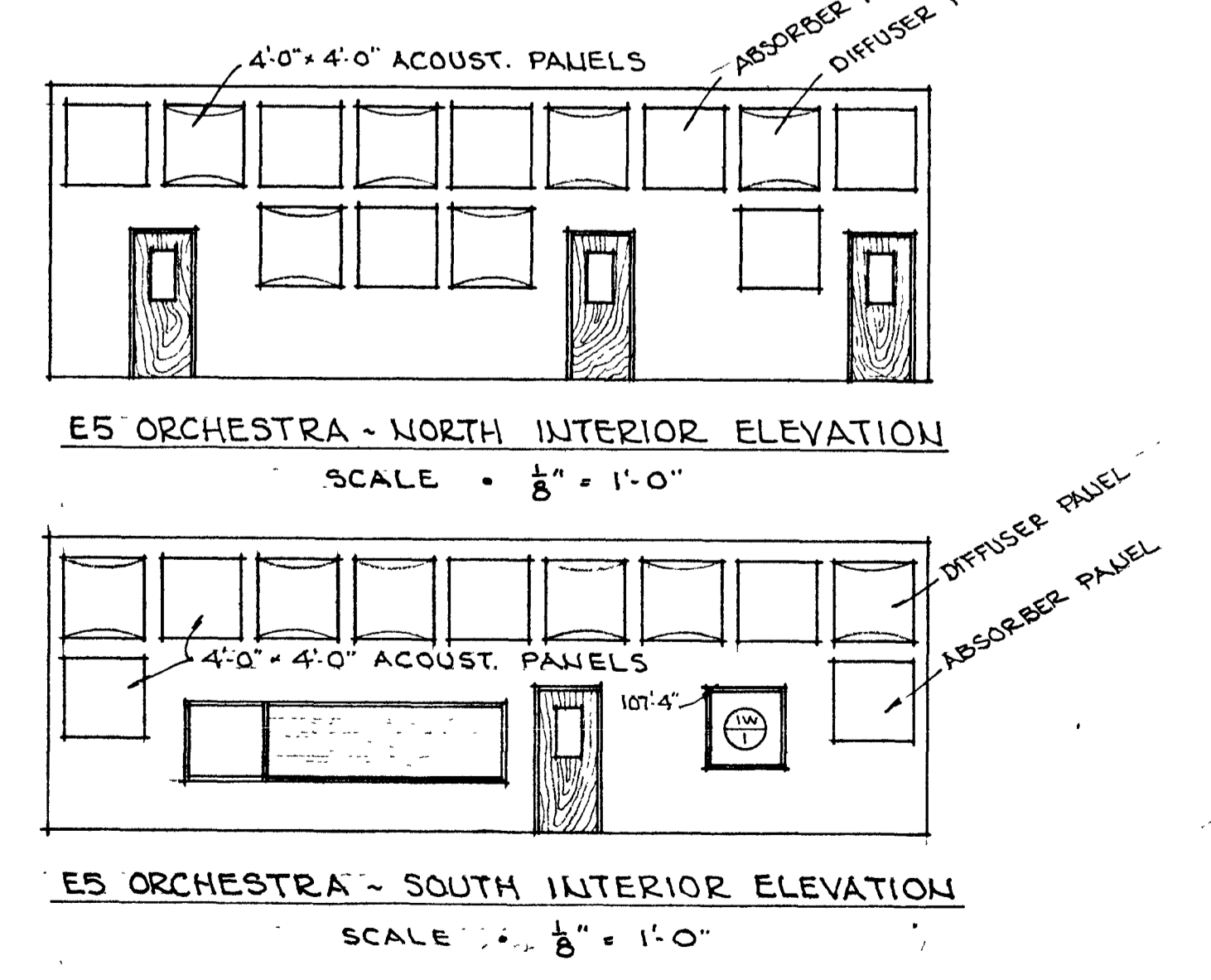
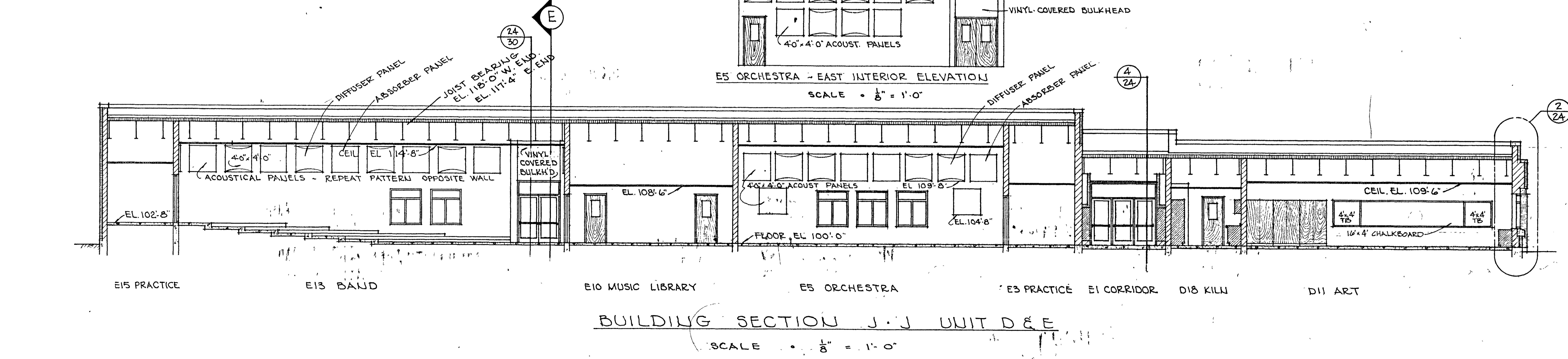
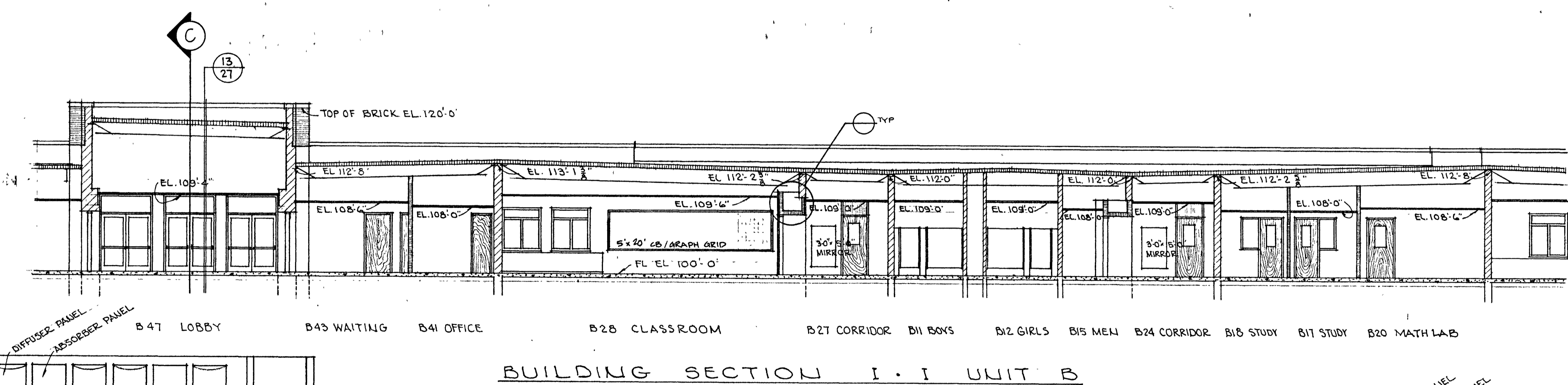
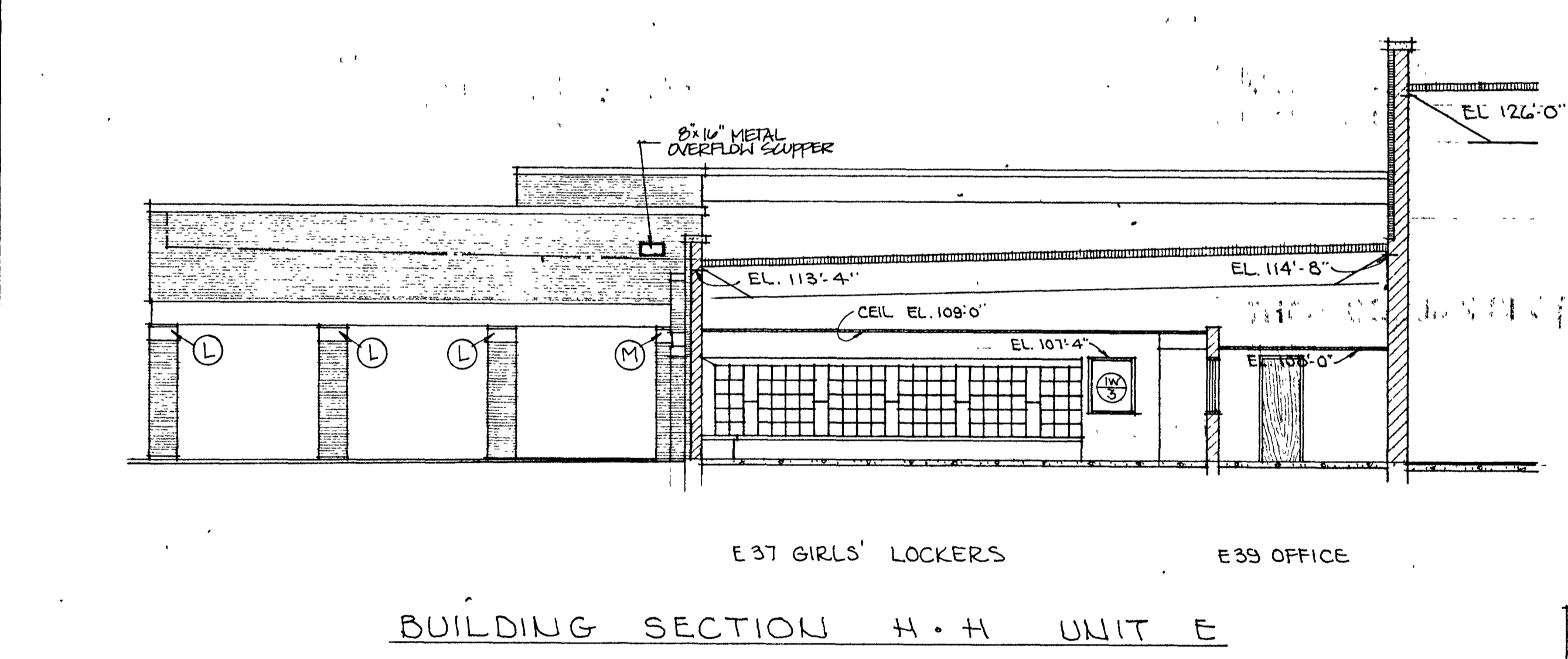
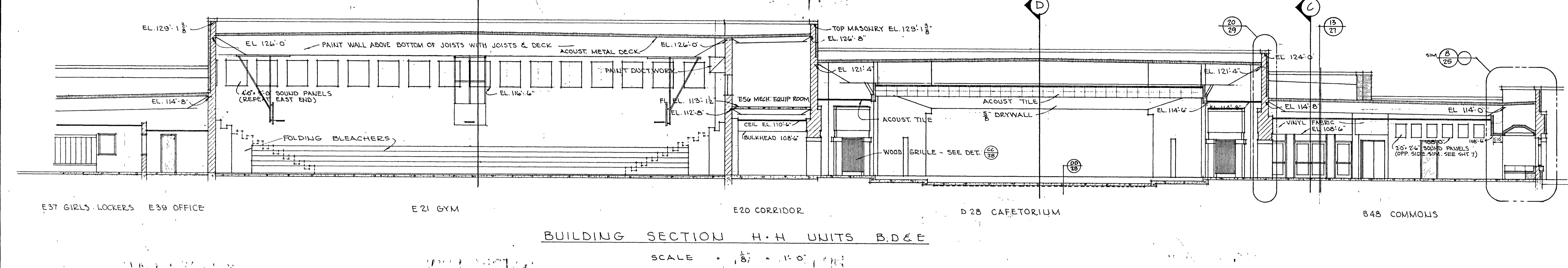
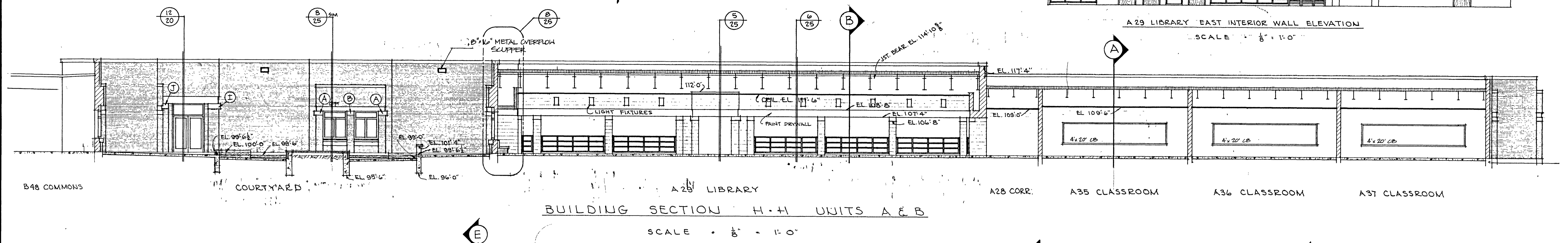
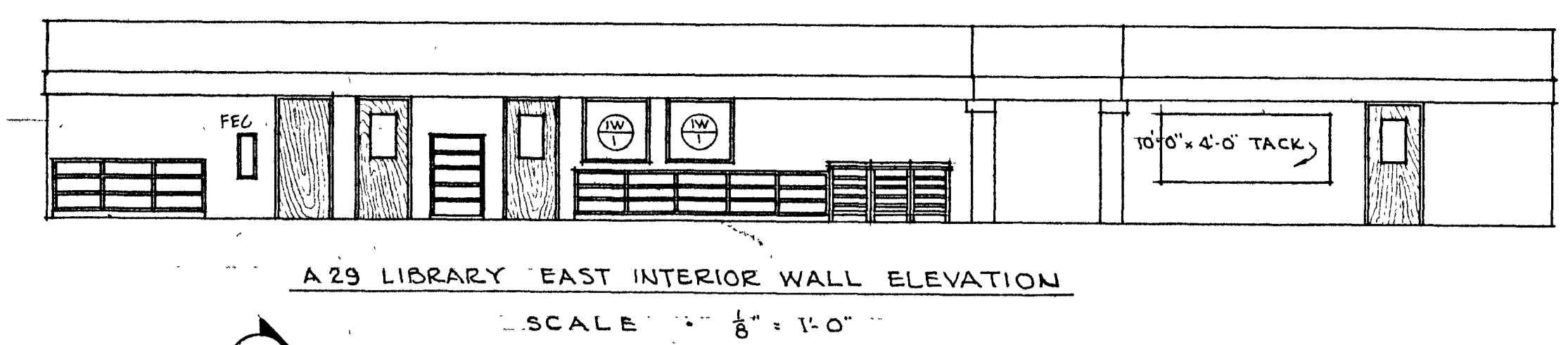
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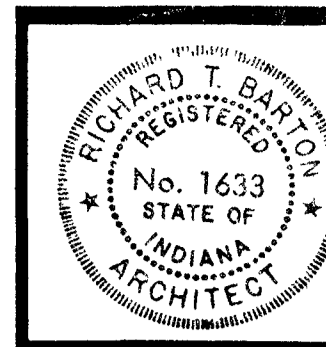
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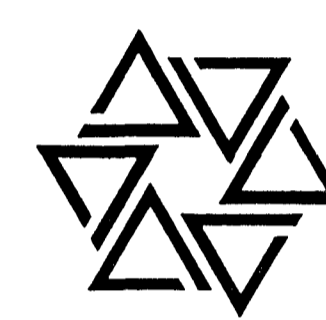


BUILDING SECTIONS H - J
SCALE: 1/8" = 1'-0"



Edward T. Barton

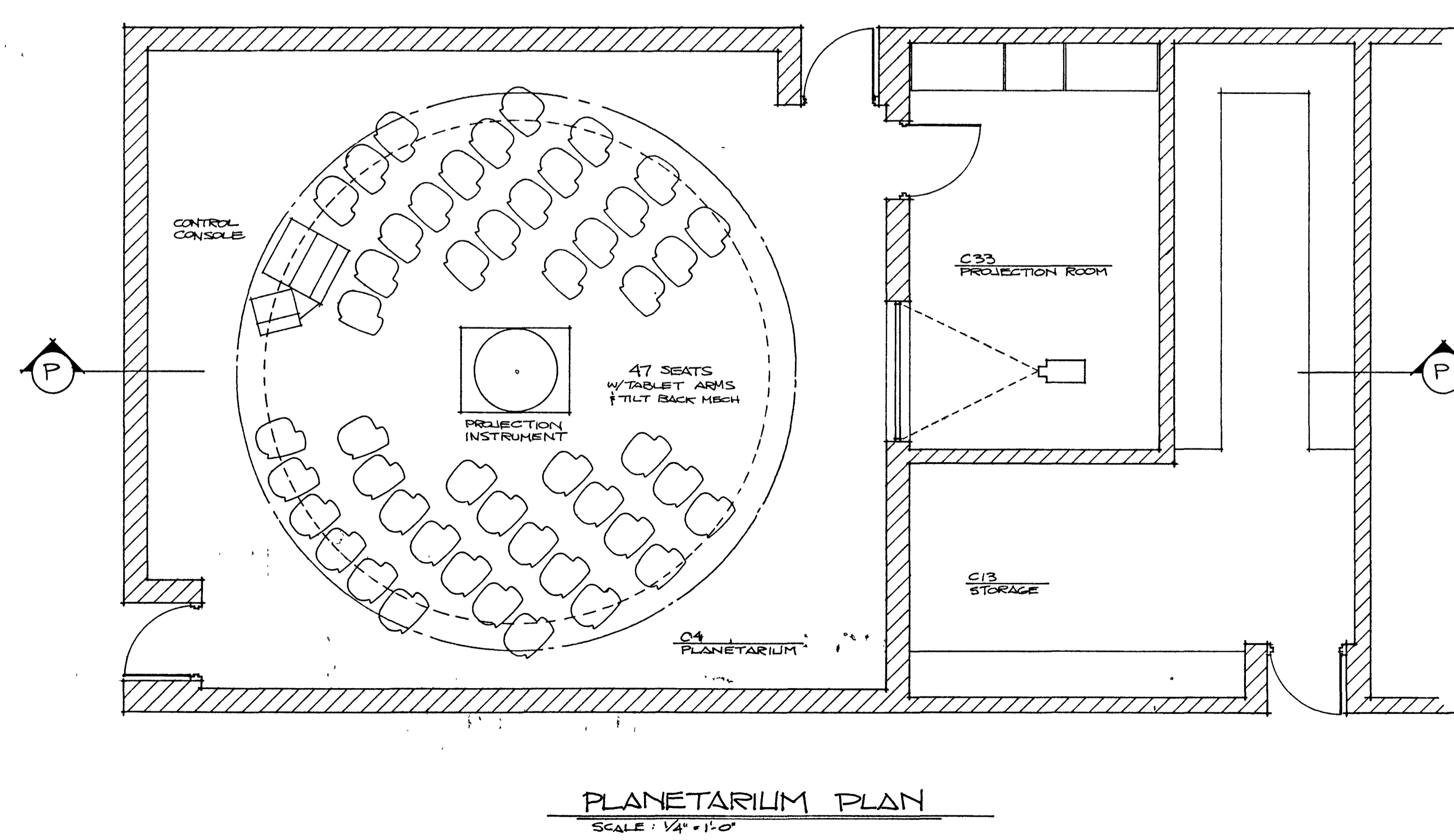
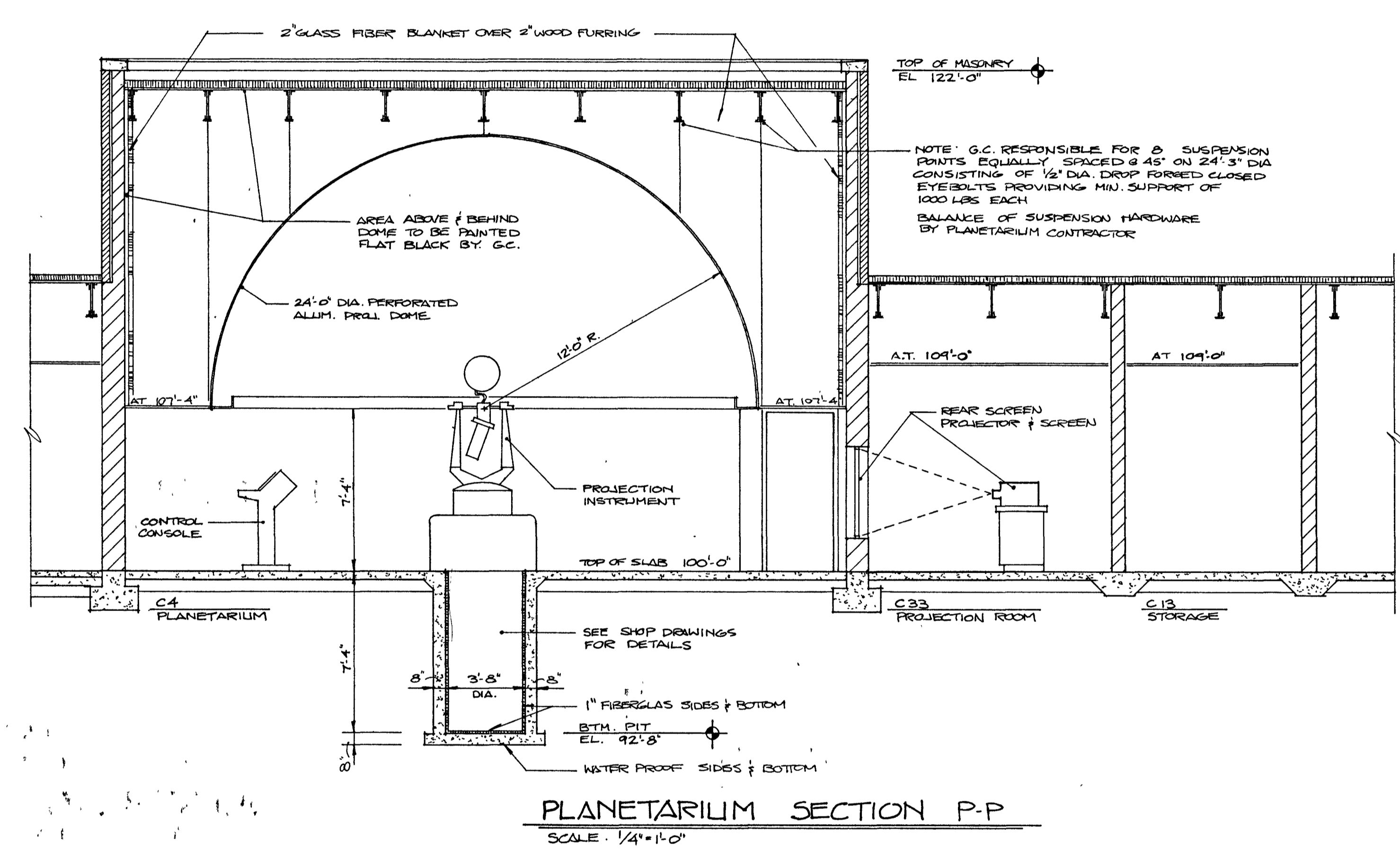
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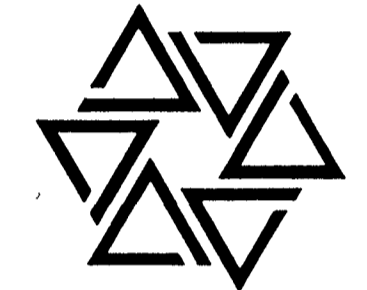
23



PLANETARIUM PLAN & SECTION
SCALE: 1/4" = 1'-0"



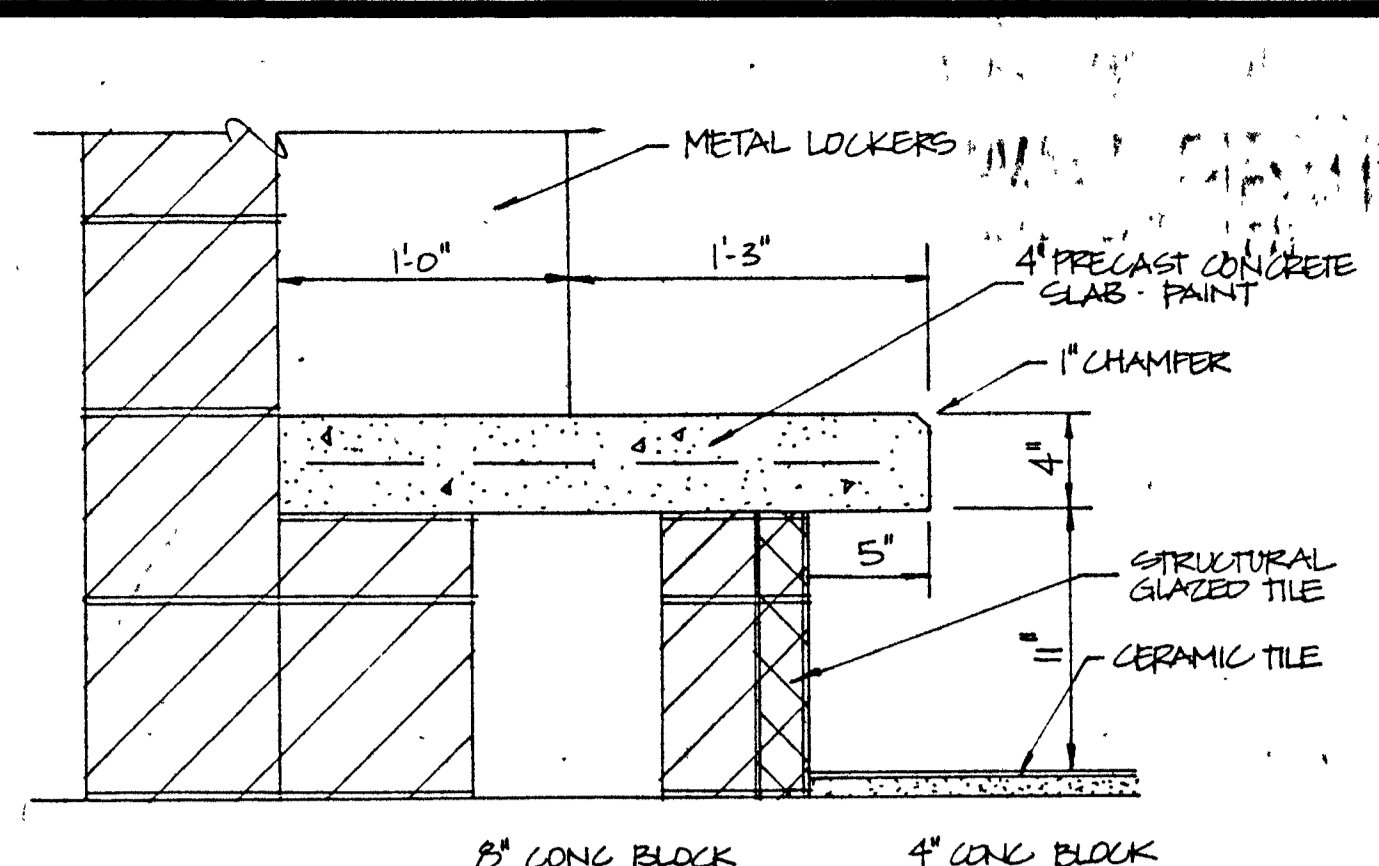
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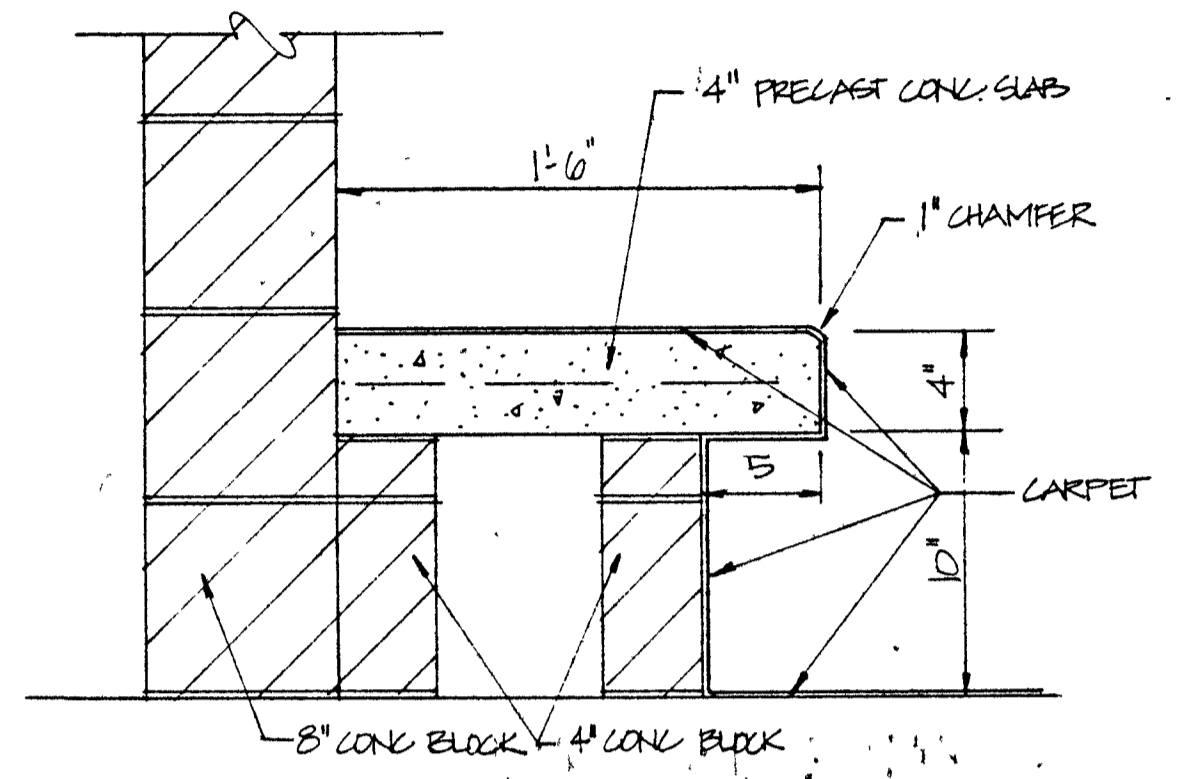
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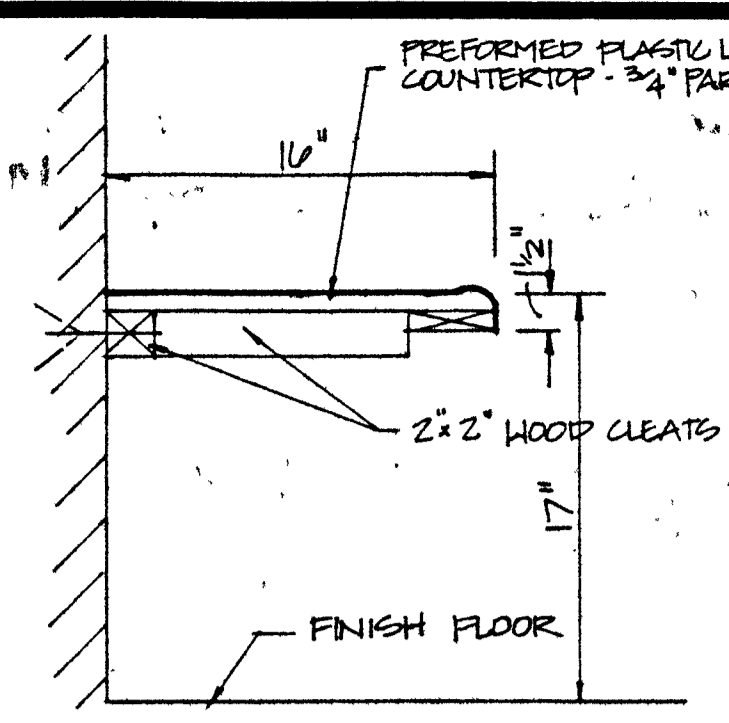
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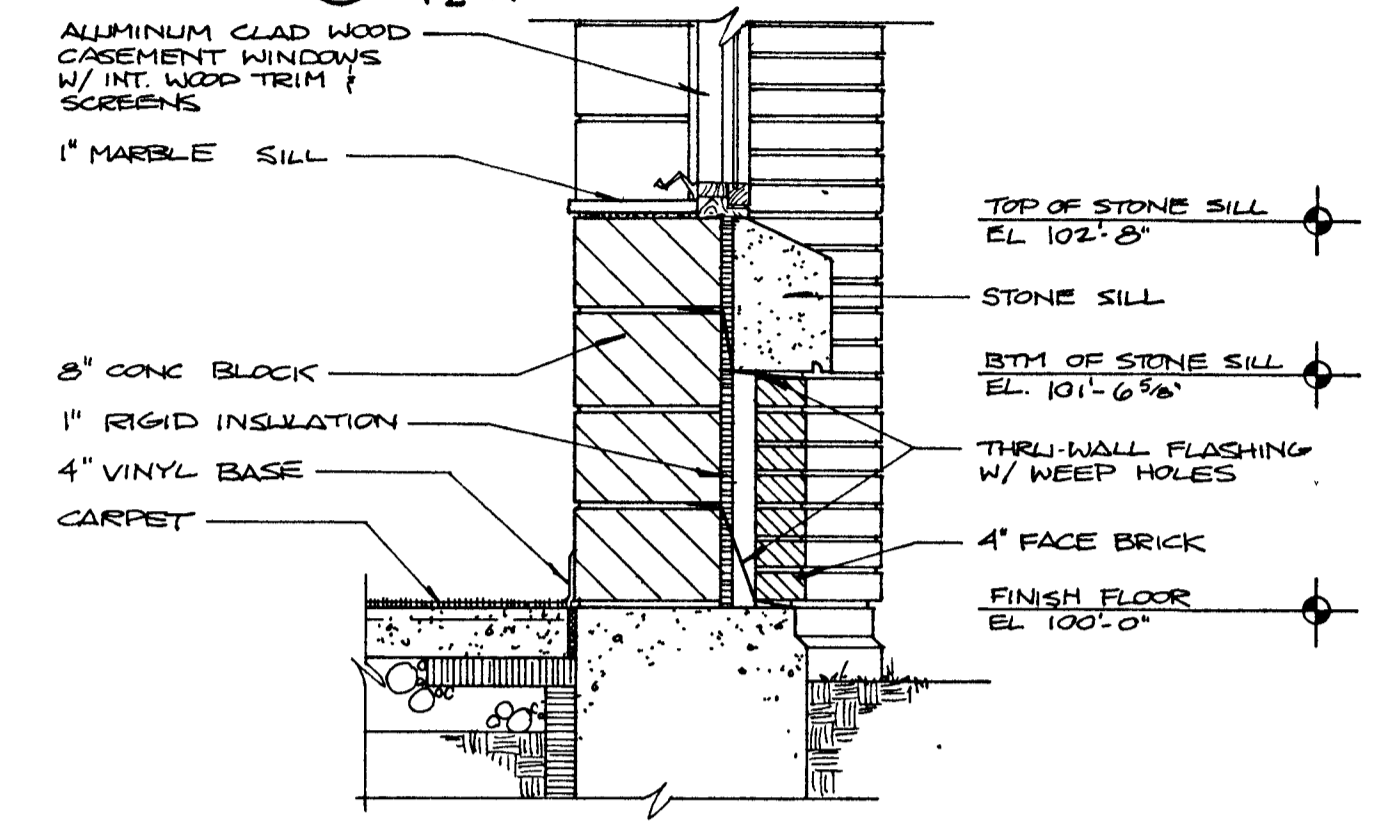
(A) BENCH & LOCKER DETAIL
 SCALE: 1/2" = 1'-0"



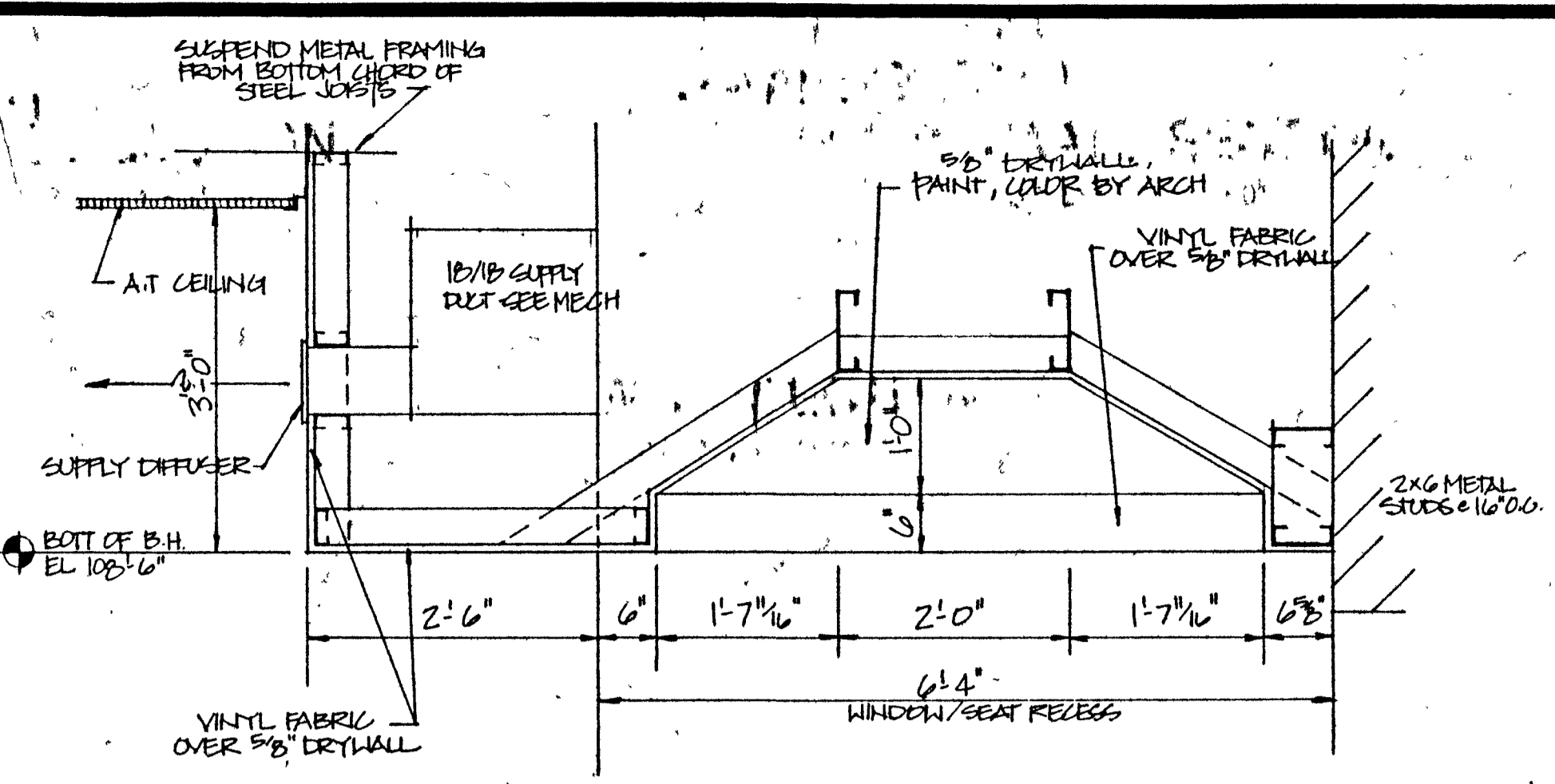
(B) BENCH DETAIL
 SCALE: 1/2" = 1'-0"



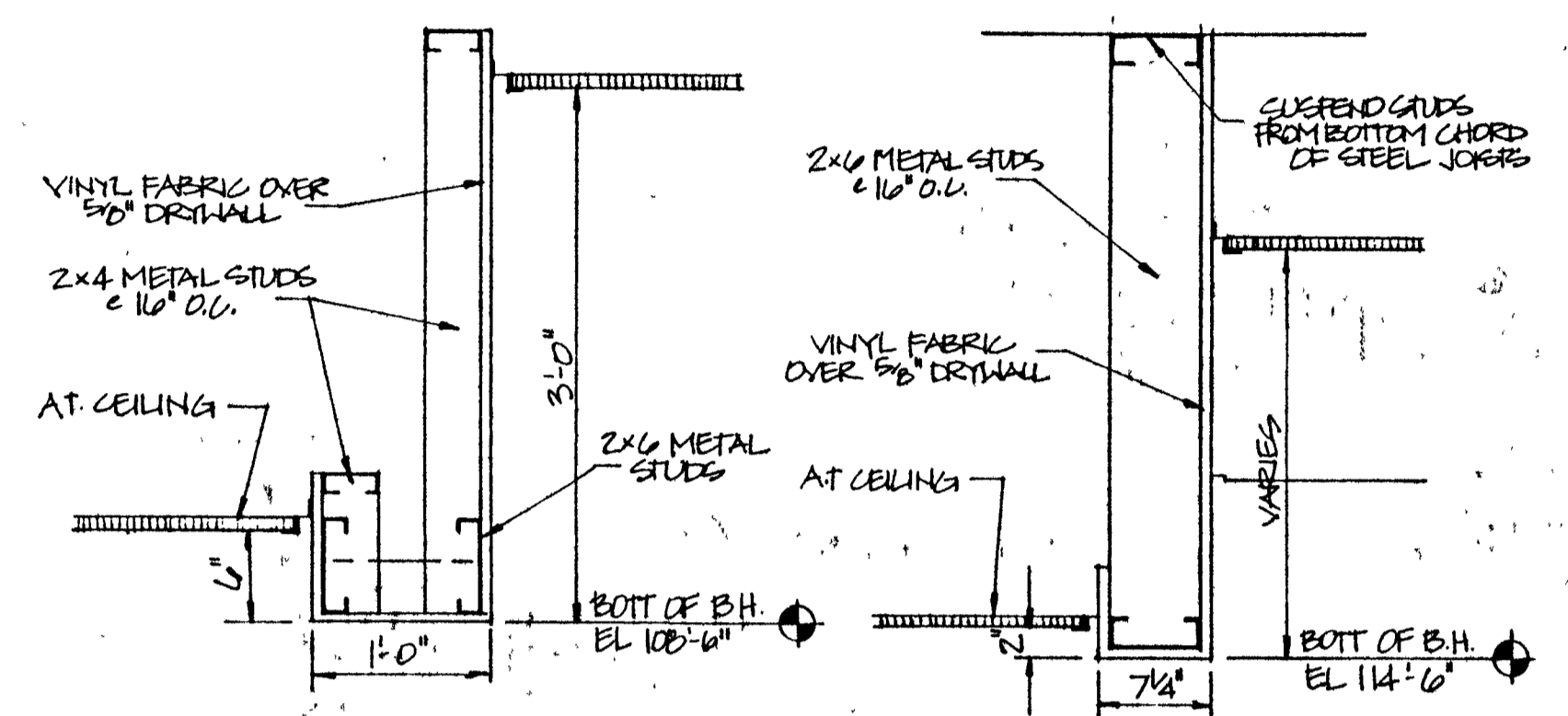
(C) WINDOW SILL DETAIL
 SCALE: 3/4" = 1'-0"



(D) WINDOW SILL DETAIL
 SCALE: 3/4" = 1'-0"

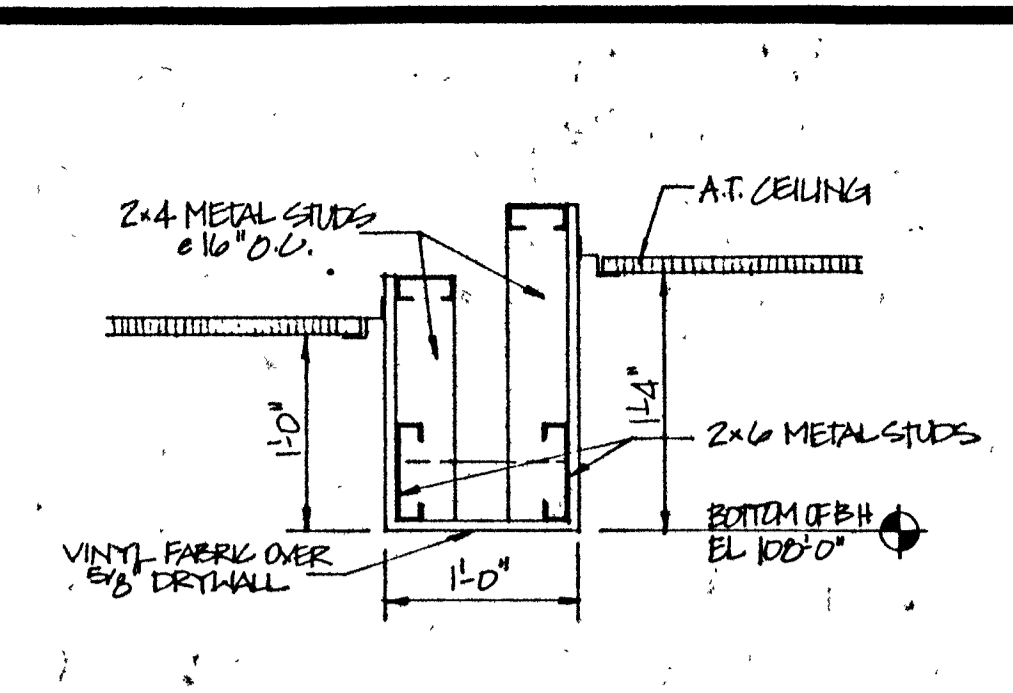


(E) BULKHEAD DETAIL
 SCALE: 3/4" = 1'-0"

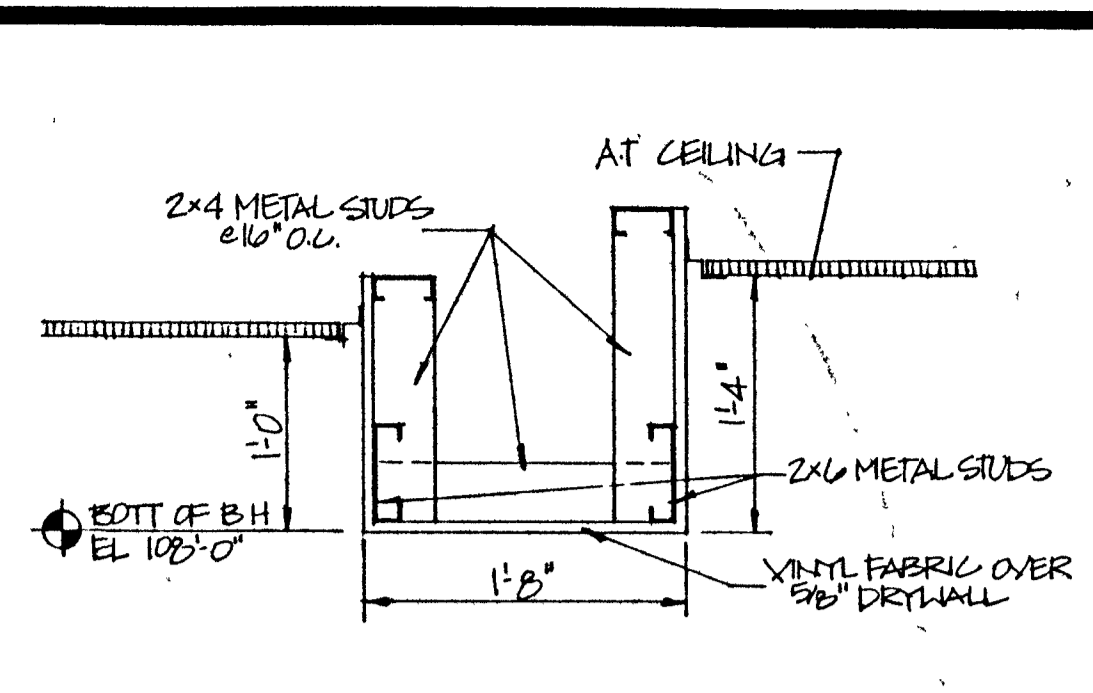


(F) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"

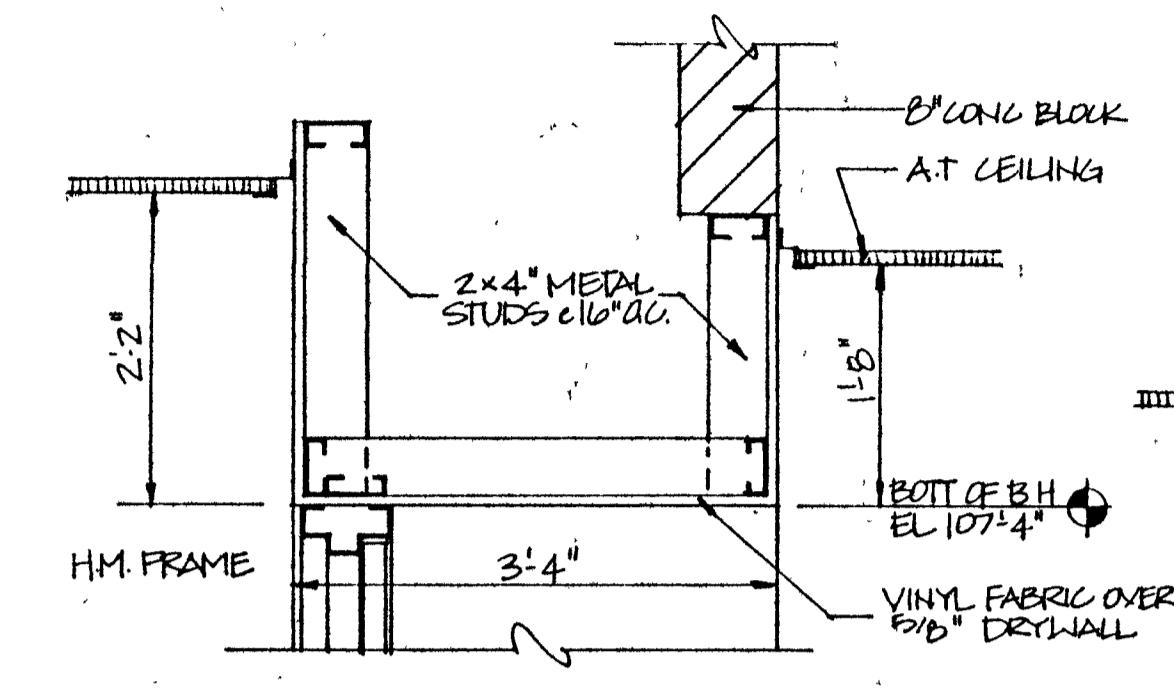
(G) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"



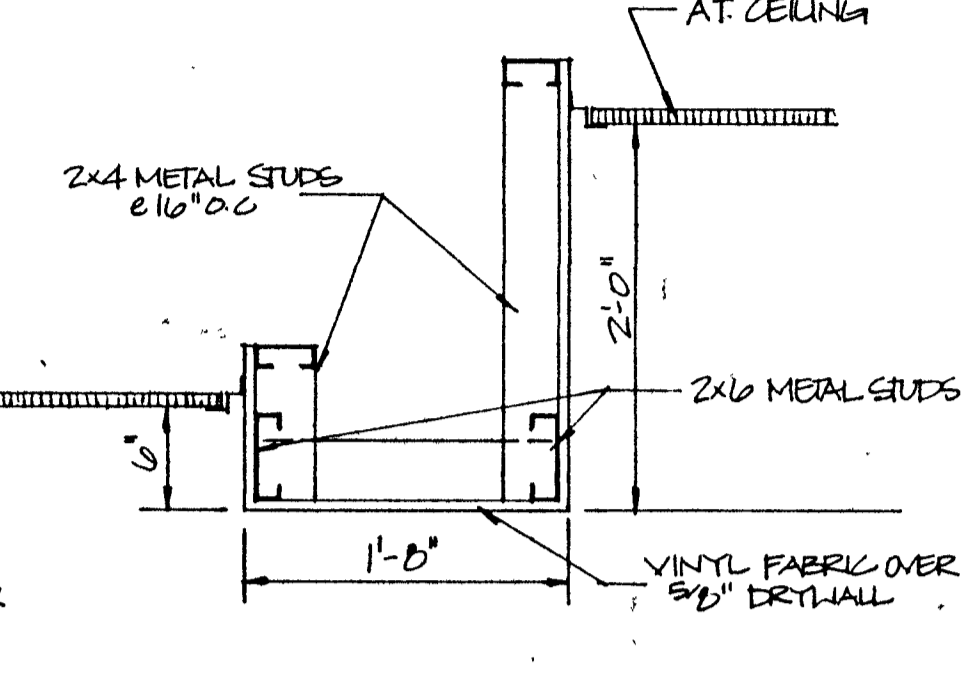
(H) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"



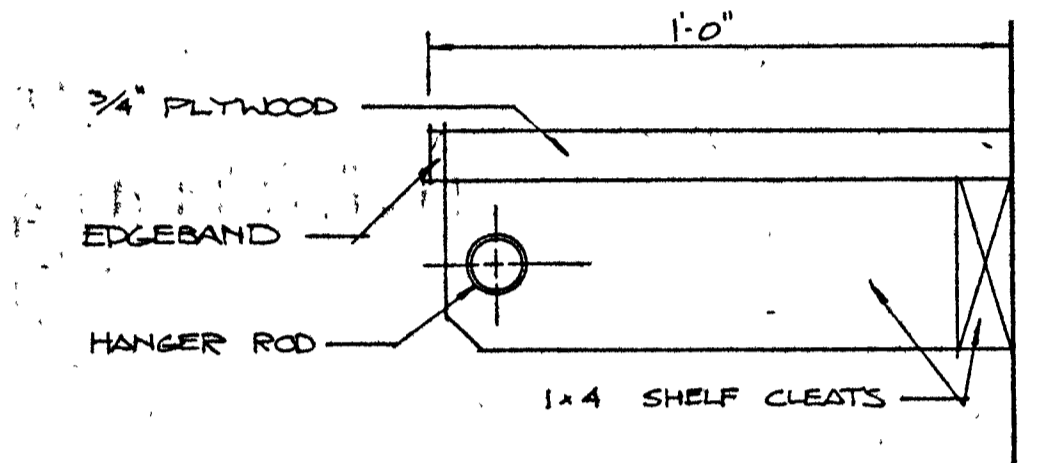
(I) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"



(J) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"

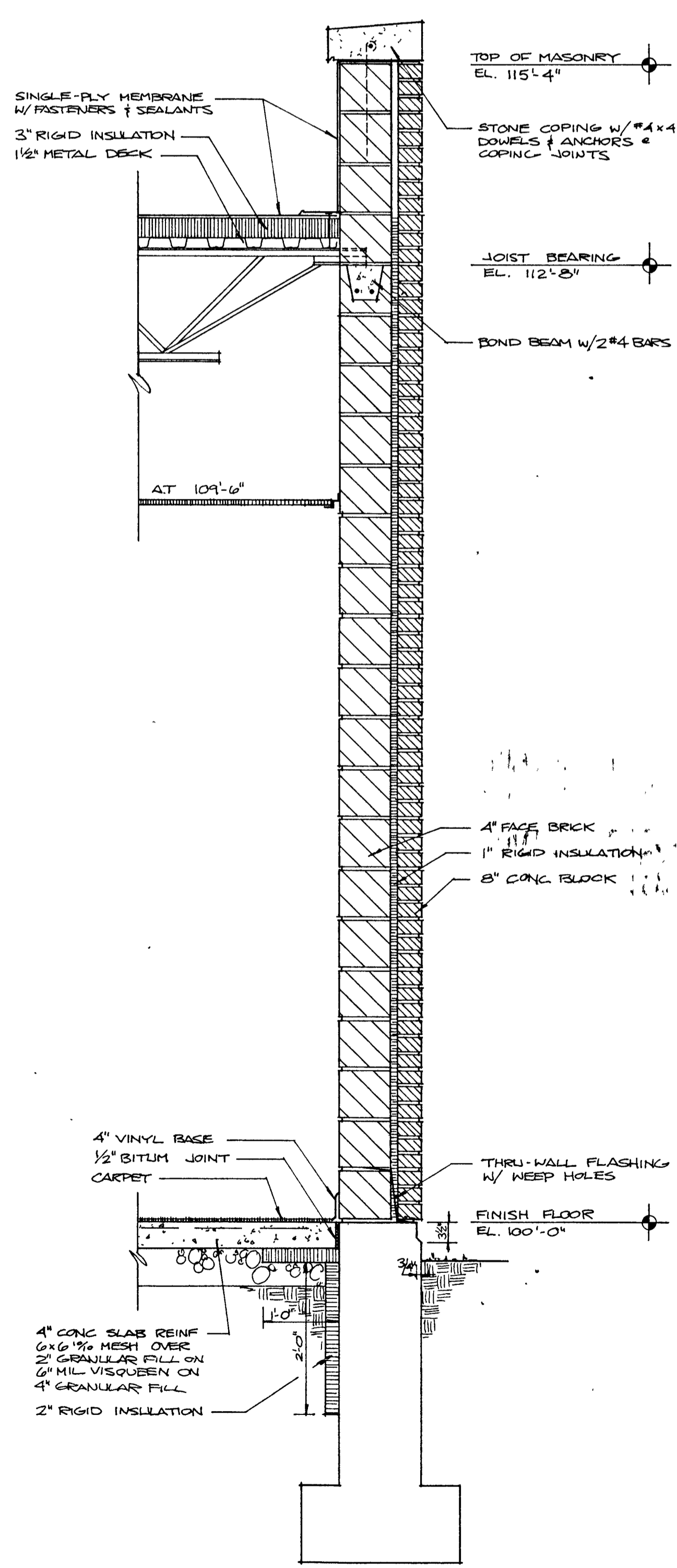


(K) BULKHEAD DETAIL
 SCALE: 1/2" = 1'-0"

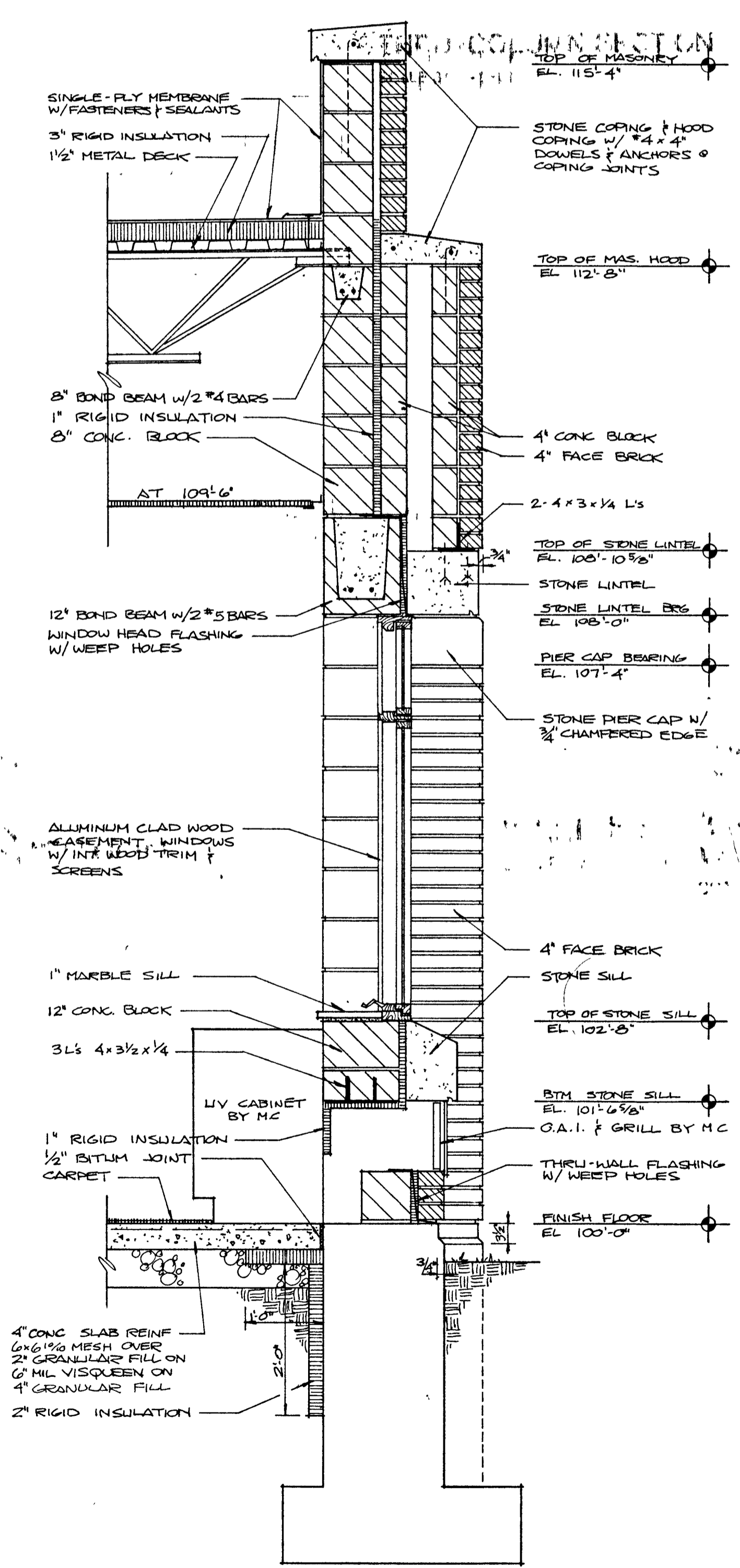


(L) SHELF DETAIL
 SCALE: 3" = 1'-0"

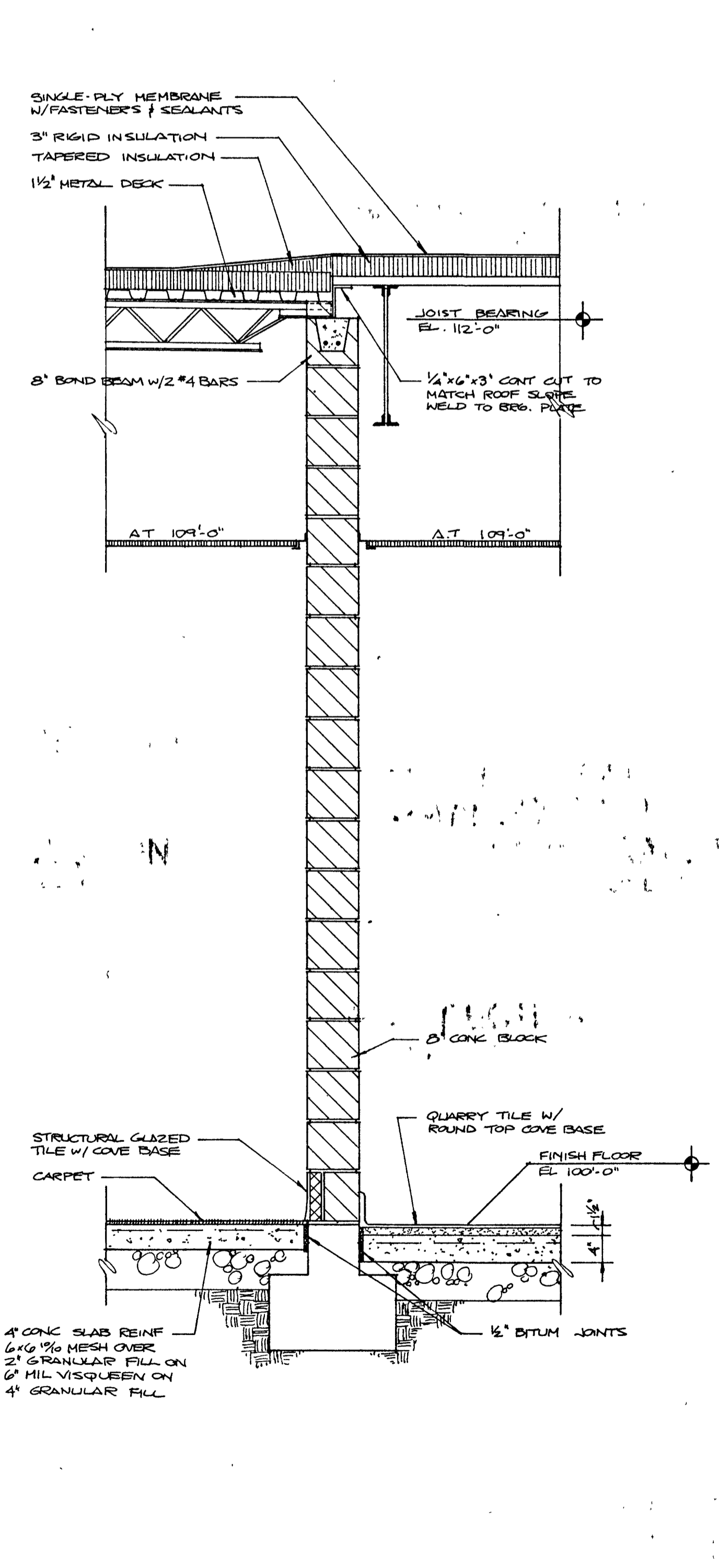
See Roof Plans for detailed edge conditions.



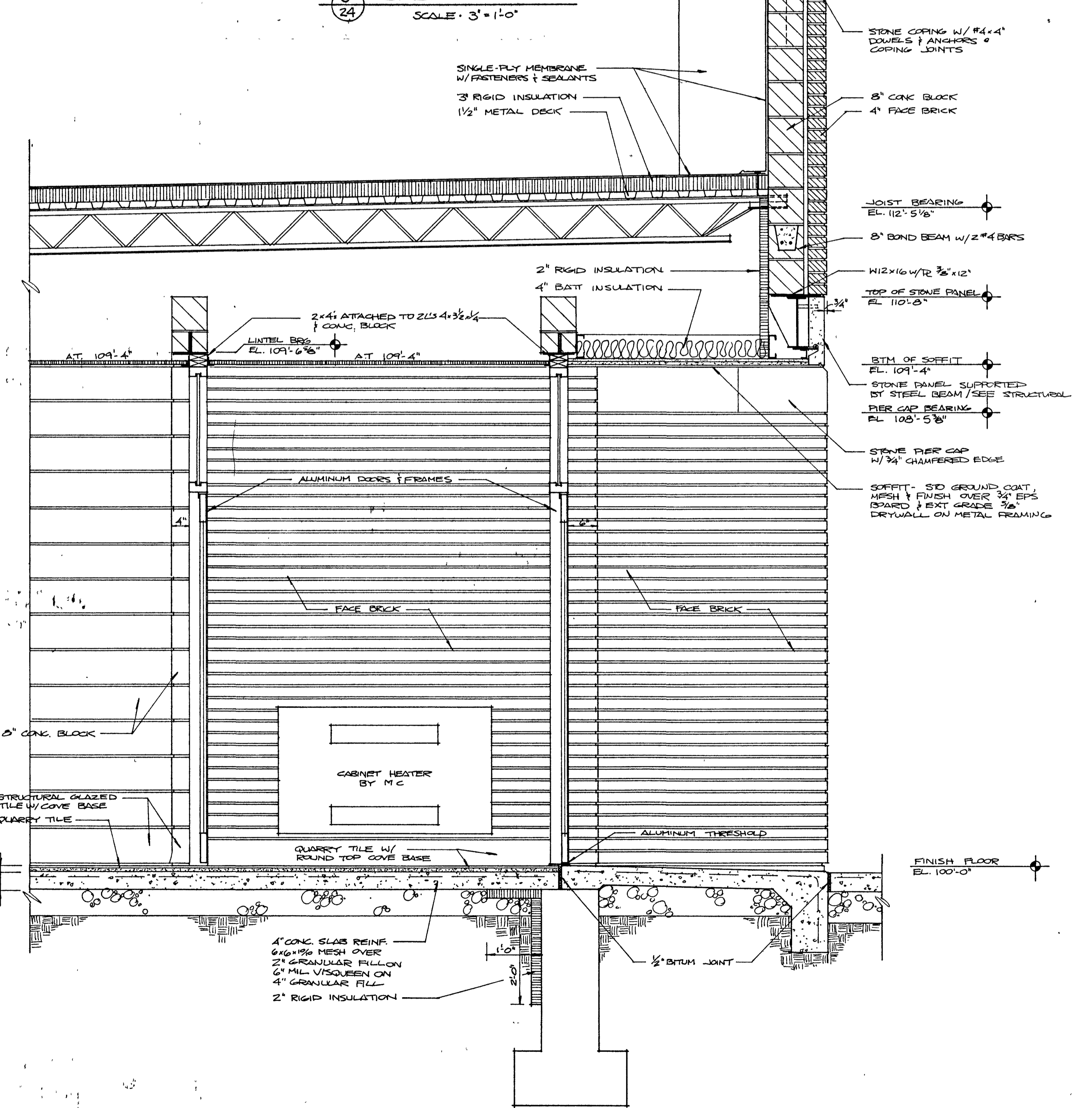
(1) WALL SECTION
 SCALE: 3/4" = 1'-0"



(2) WALL SECTION
 SCALE: 3/4" = 1'-0"



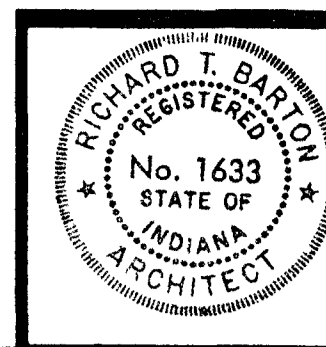
(3) WALL SECTION
 SCALE: 3/4" = 1'-0"



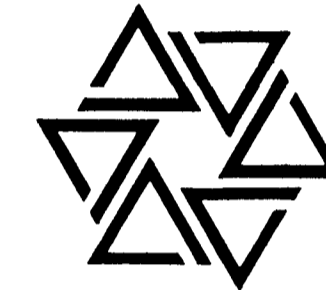
(4) WALL SECTION
 SCALE: 3/4" = 1'-0"

See Structural Plans for foundation sizes and reinforcing.

WALL SECTIONS 1 - 4
 SCALE: 3/4" = 1'-0"



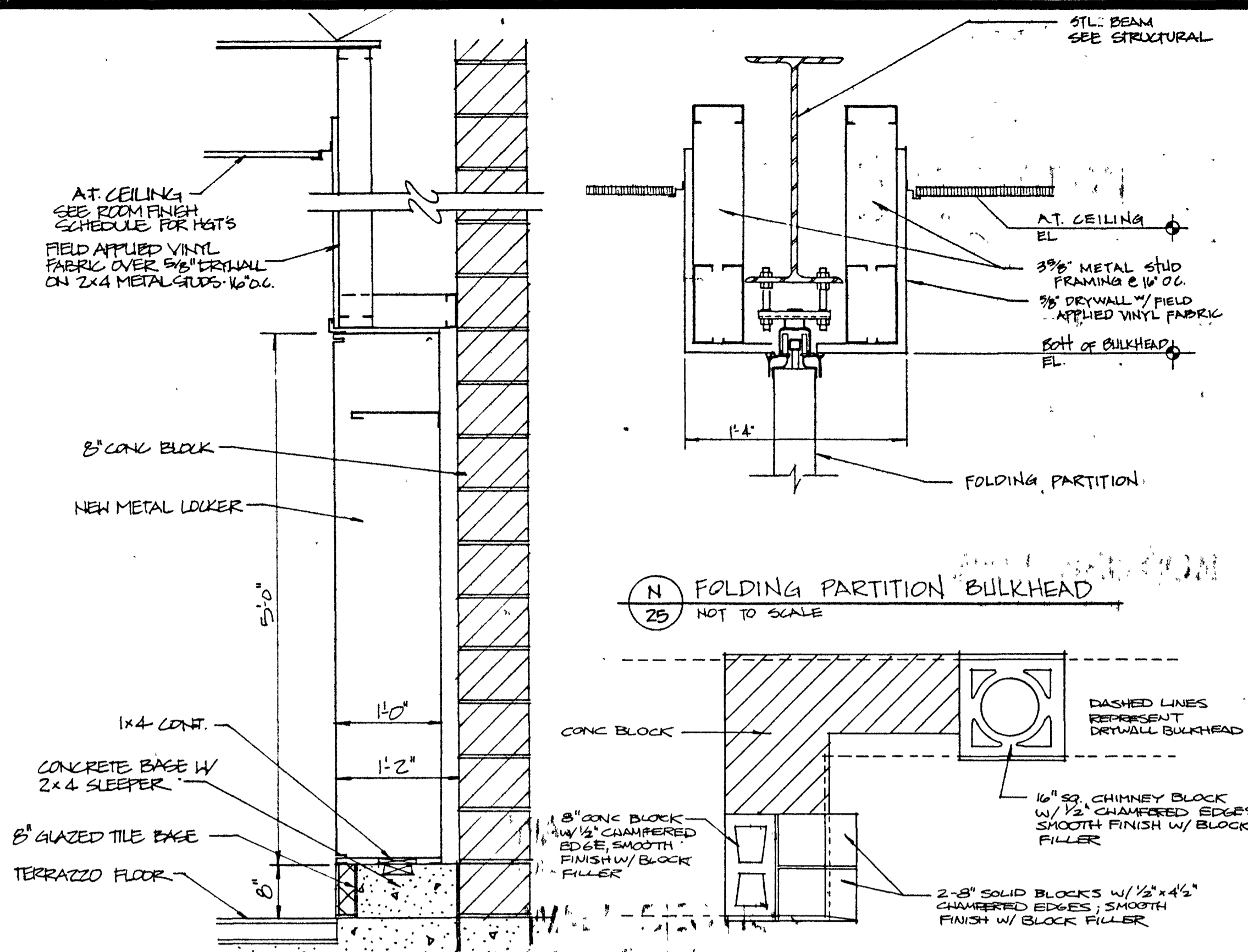
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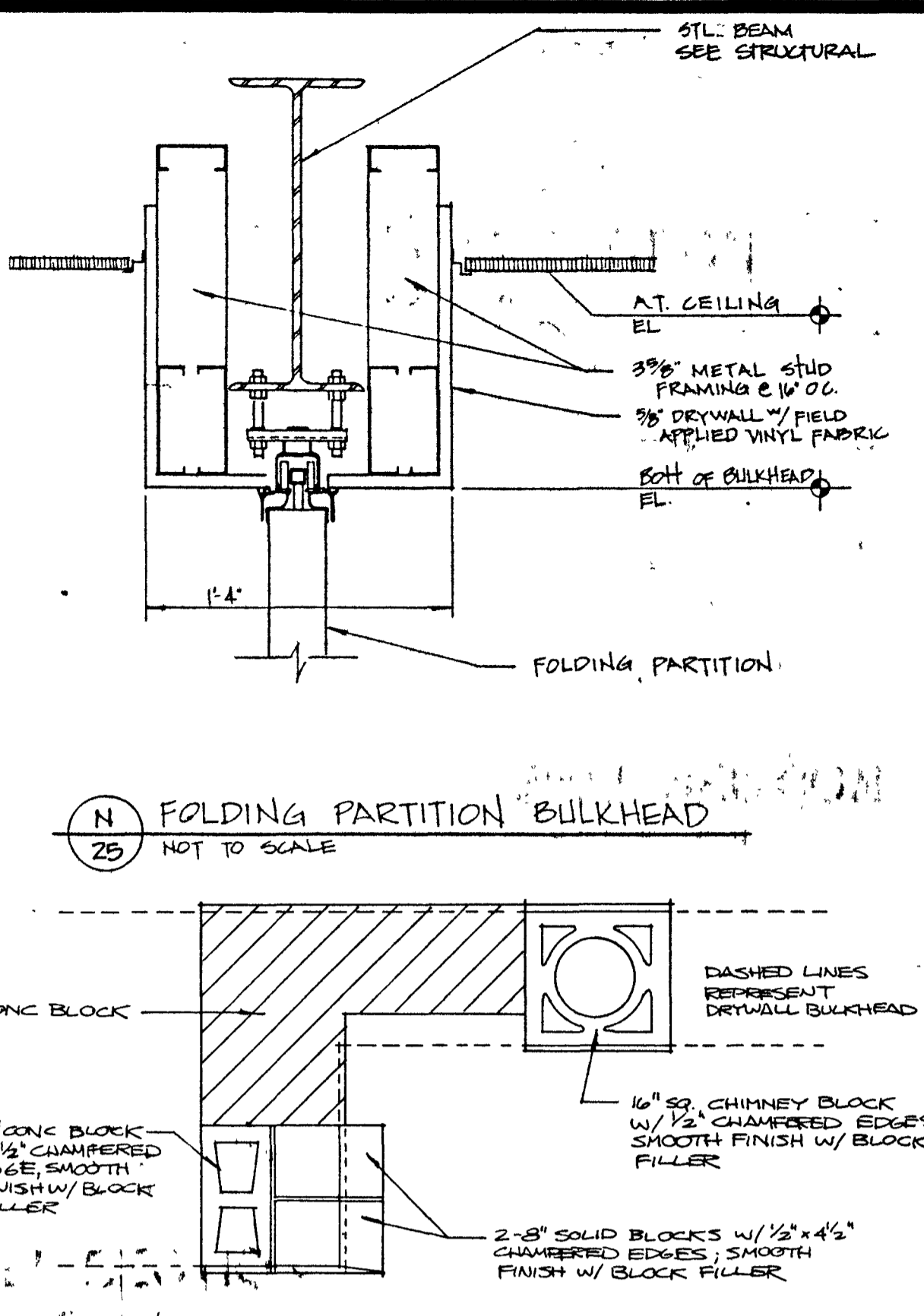
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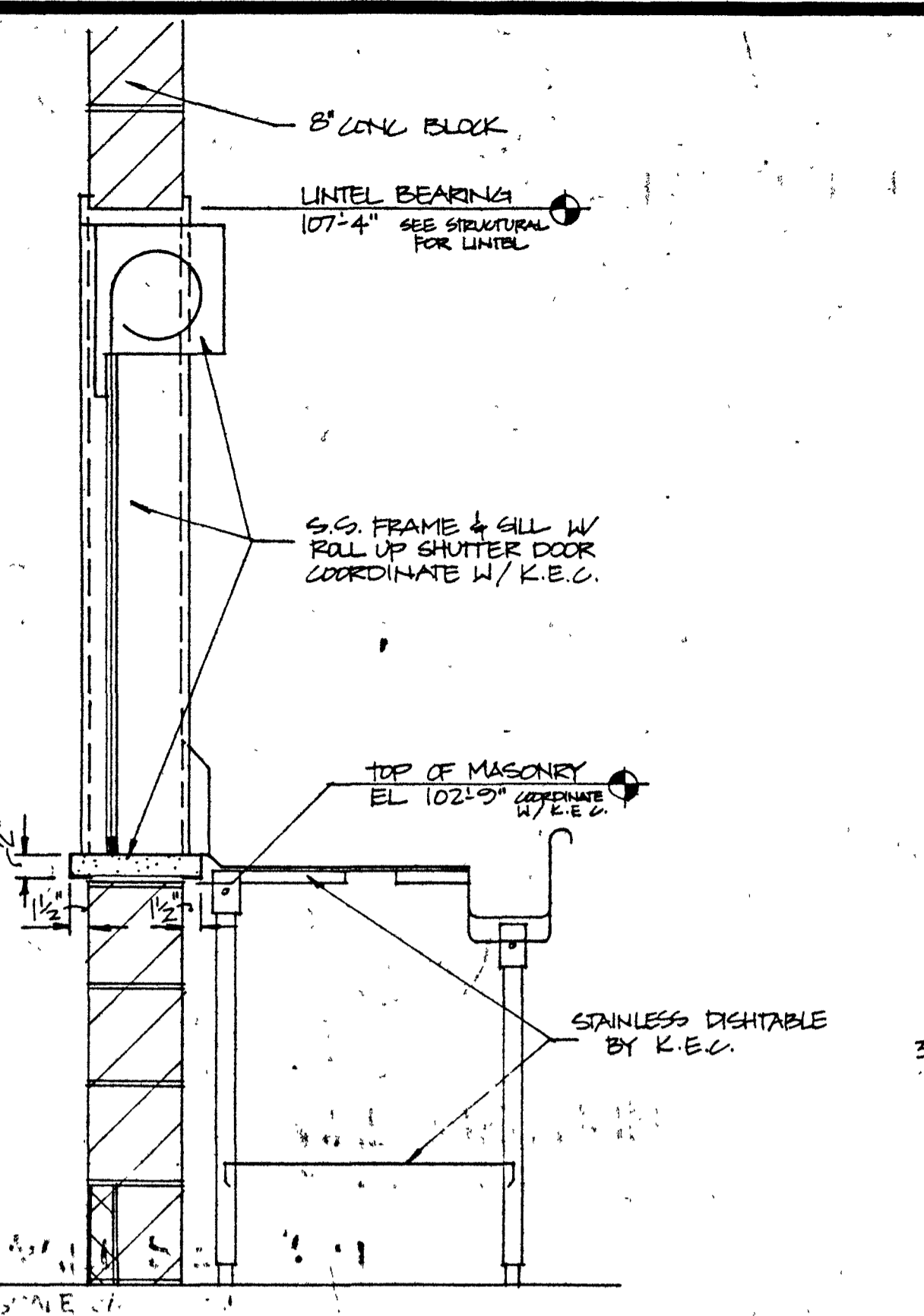
25



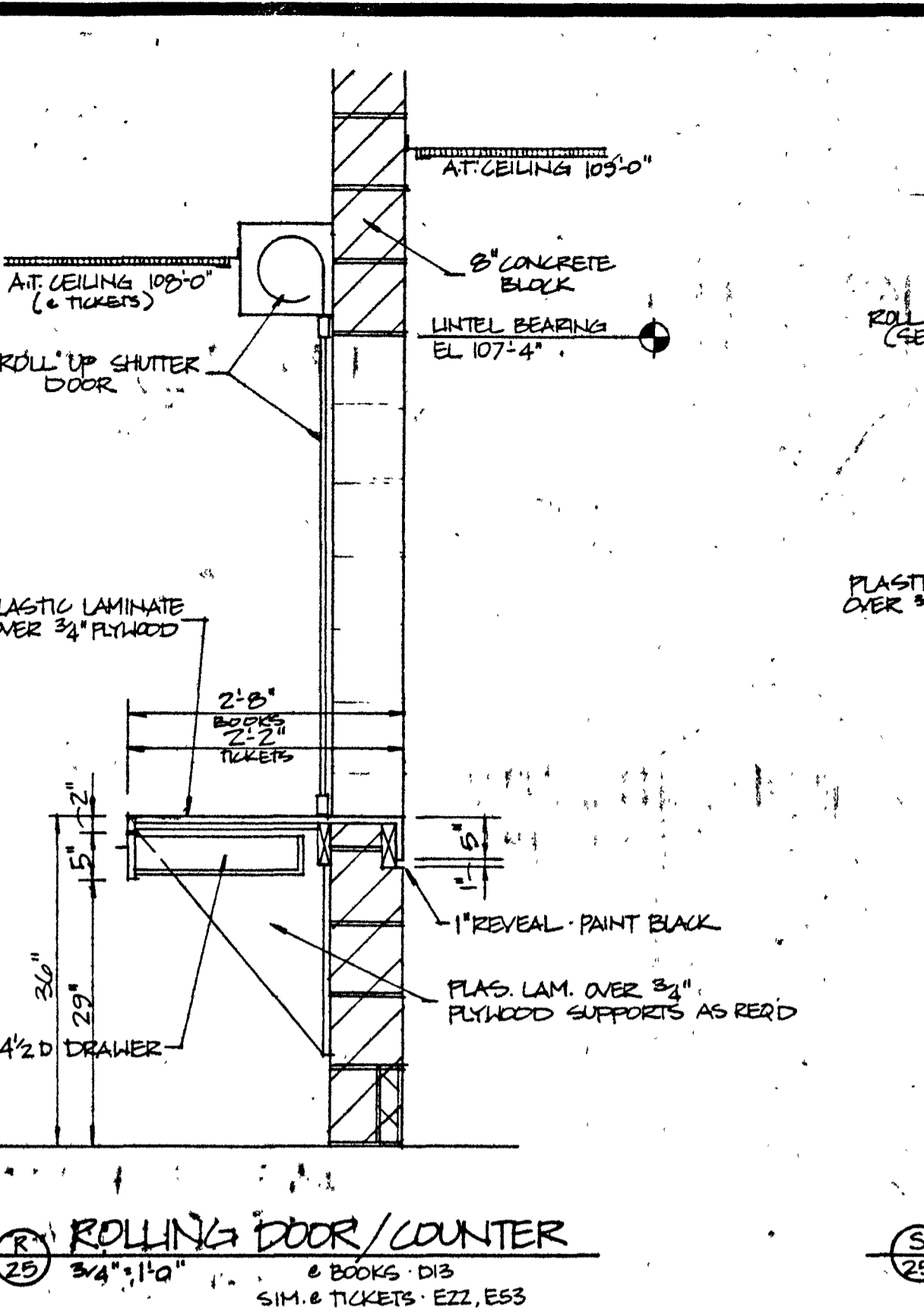
(M) LOCKER/BULKHEAD DETAIL
 SCALE: 1/4" = 1'-0"



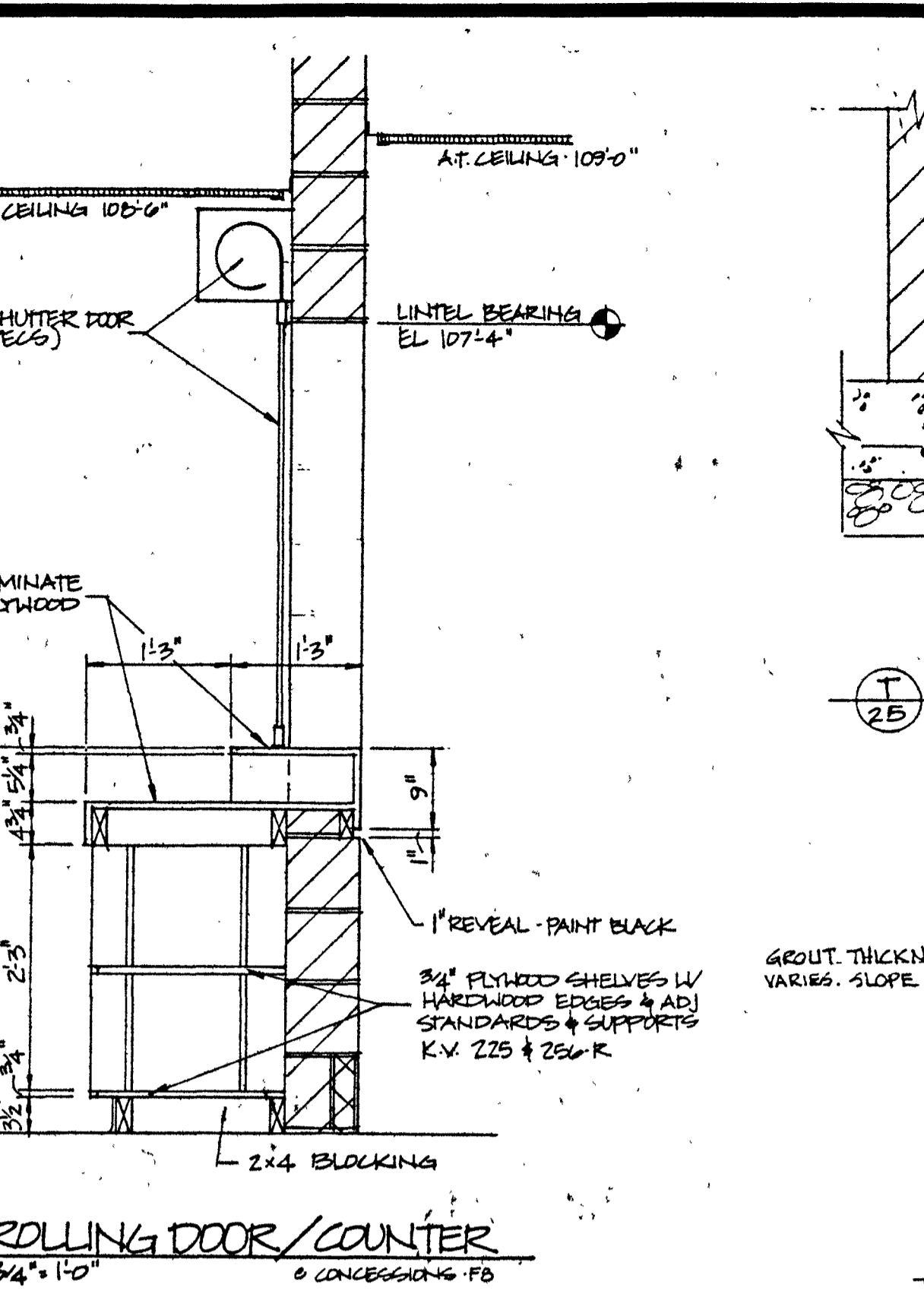
(P) BLOCK PIER CAPS
 SCALE: 3/4" = 1'-0"



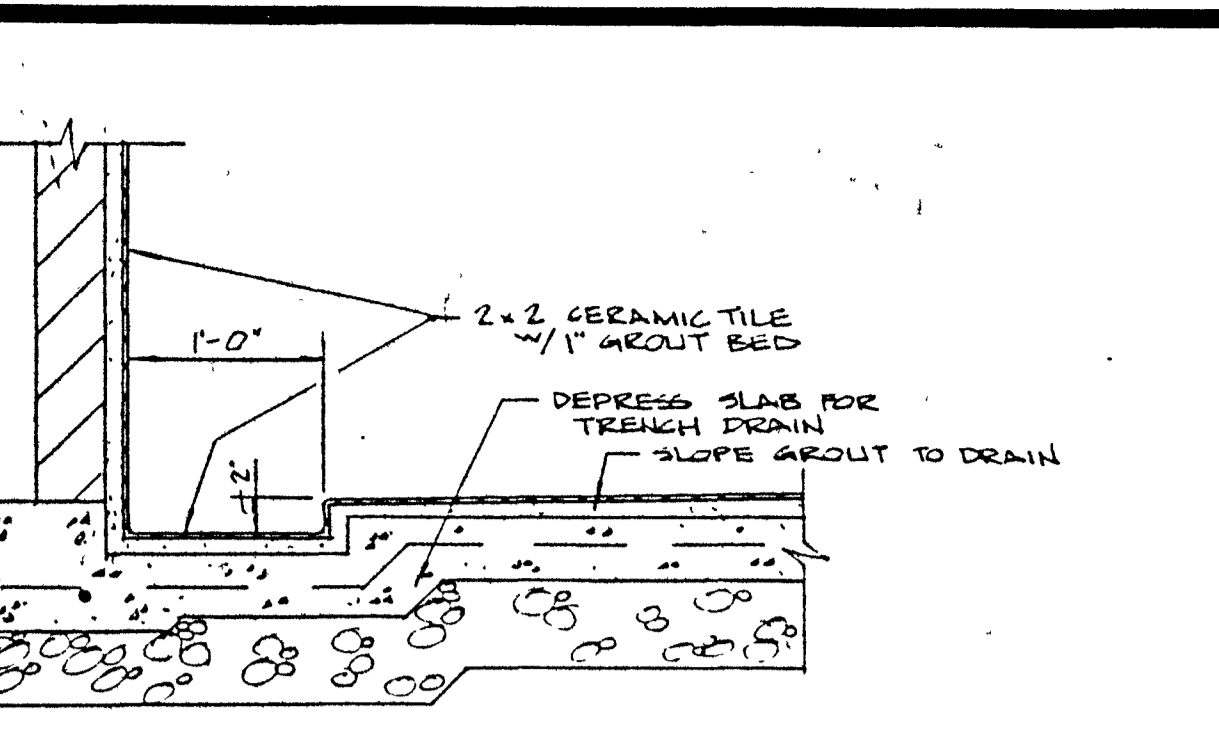
(B) ROLLING COUNTER DOOR
 SCALE: 1/4" = 1'-0"



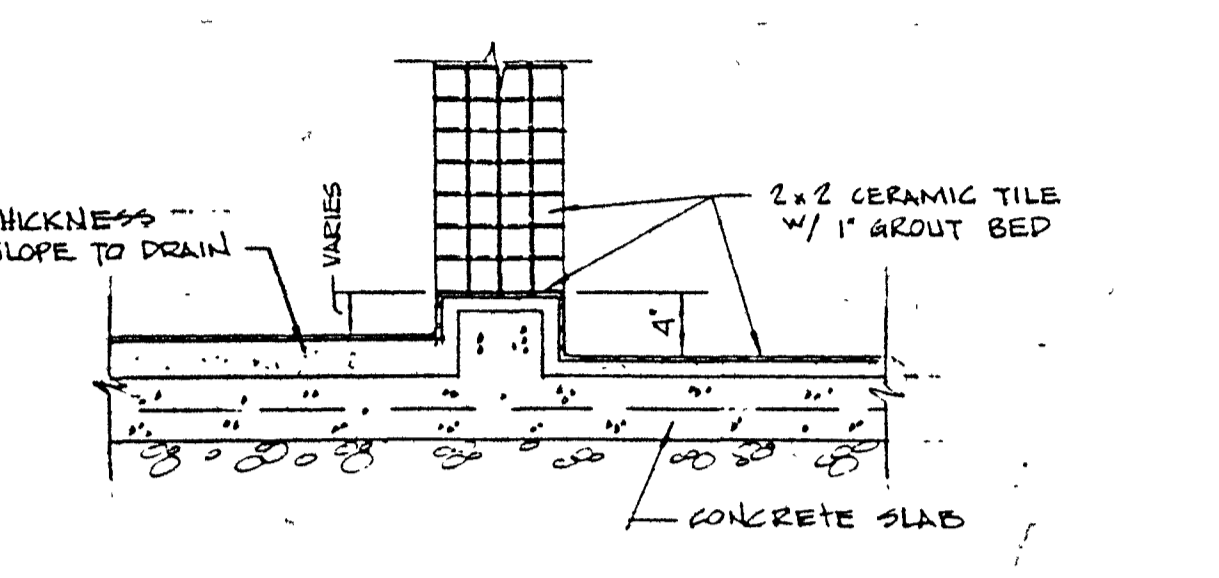
(R) ROLLING DOOR/COUNTER
 SCALE: 3/4" = 1'-0"



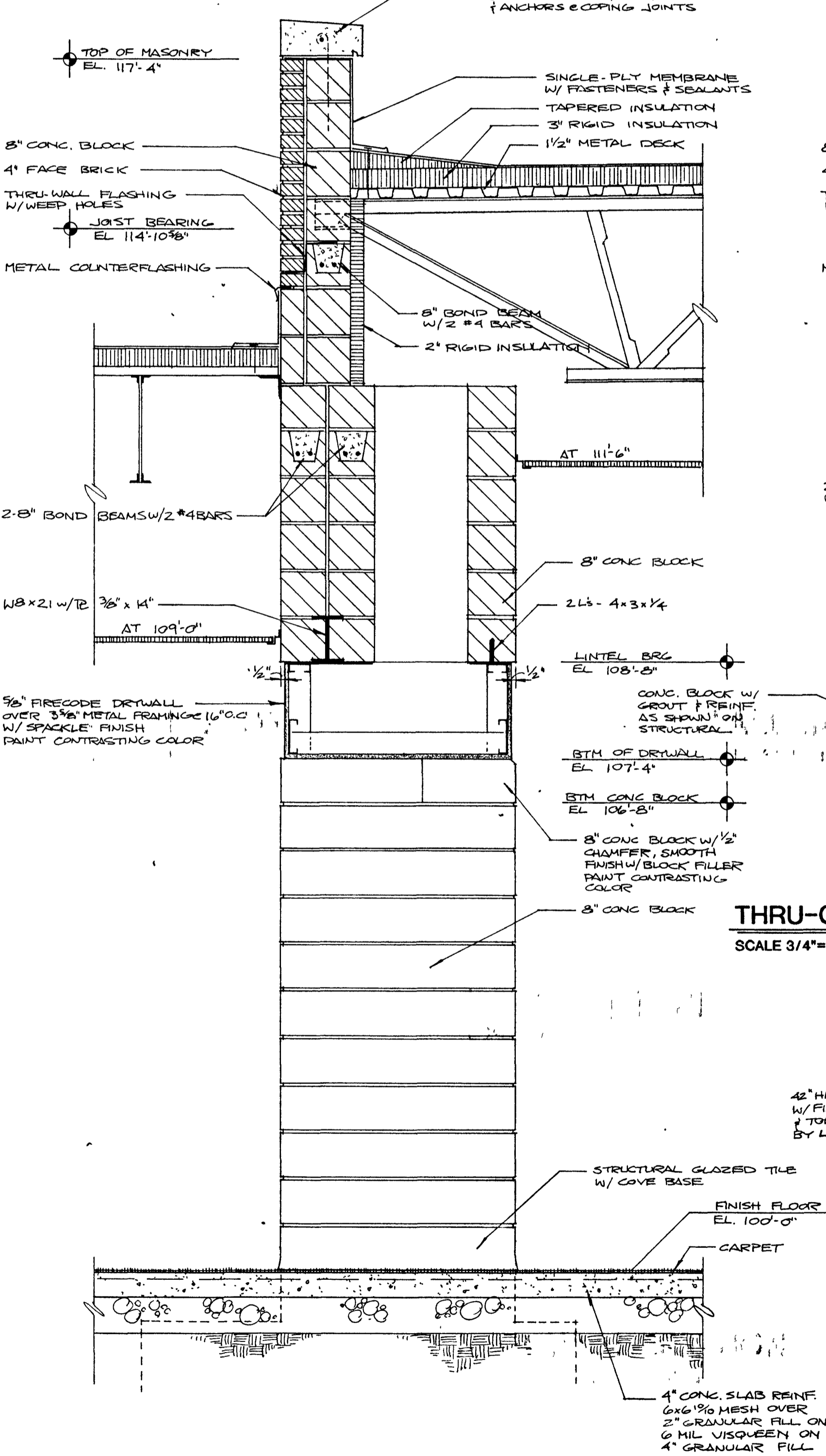
(S) ROLLING DOOR/COUNTER
 SCALE: 3/4" = 1'-0"



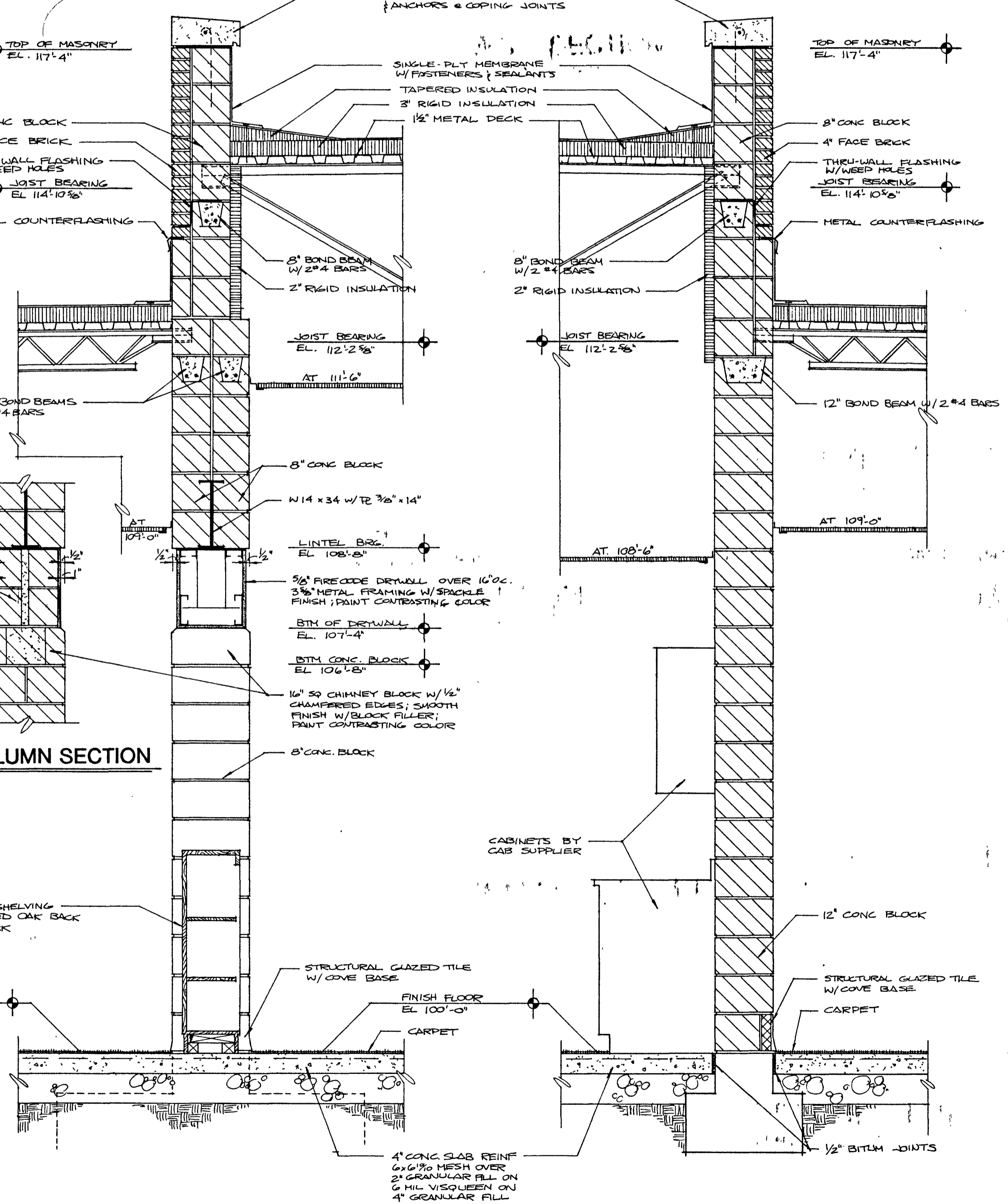
(T) SHOWER DRAIN DETAIL
 SCALE: 1" = 1'-0"



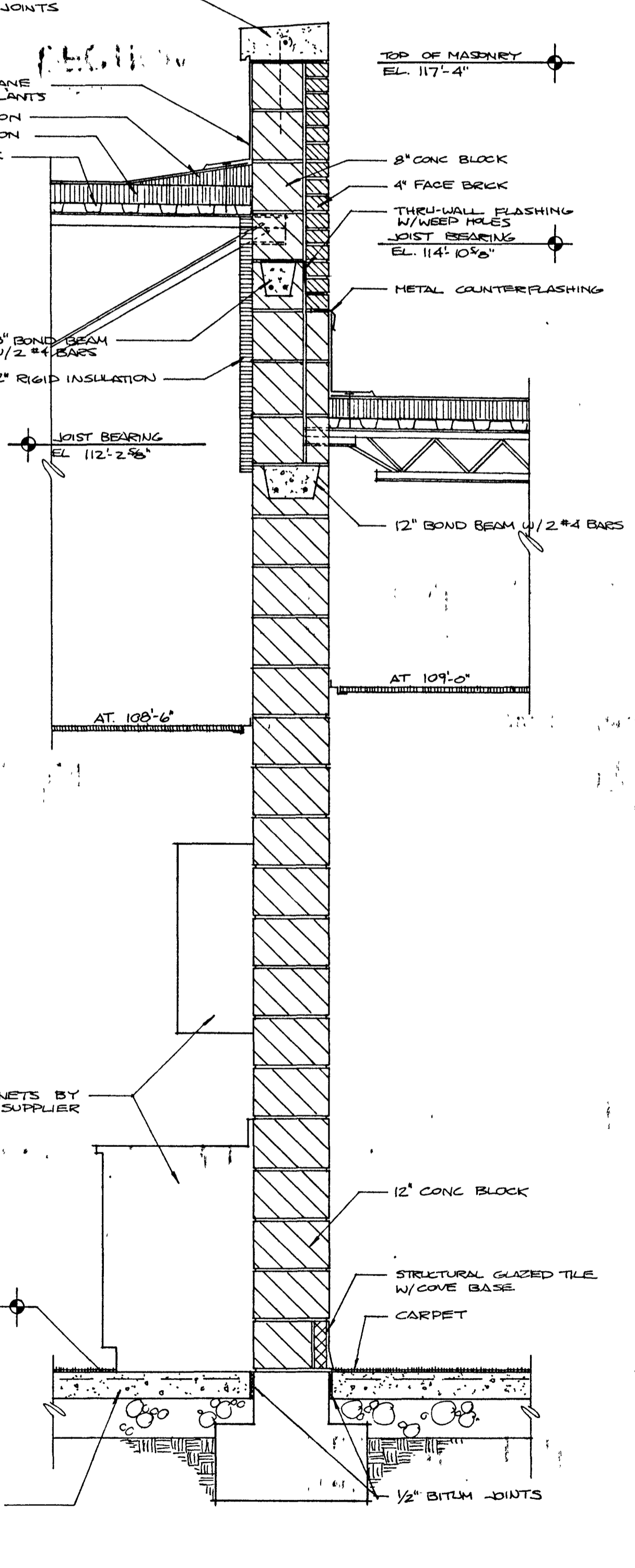
(U) SHOWER CURB DETAIL
 SCALE: 1" = 1'-0"



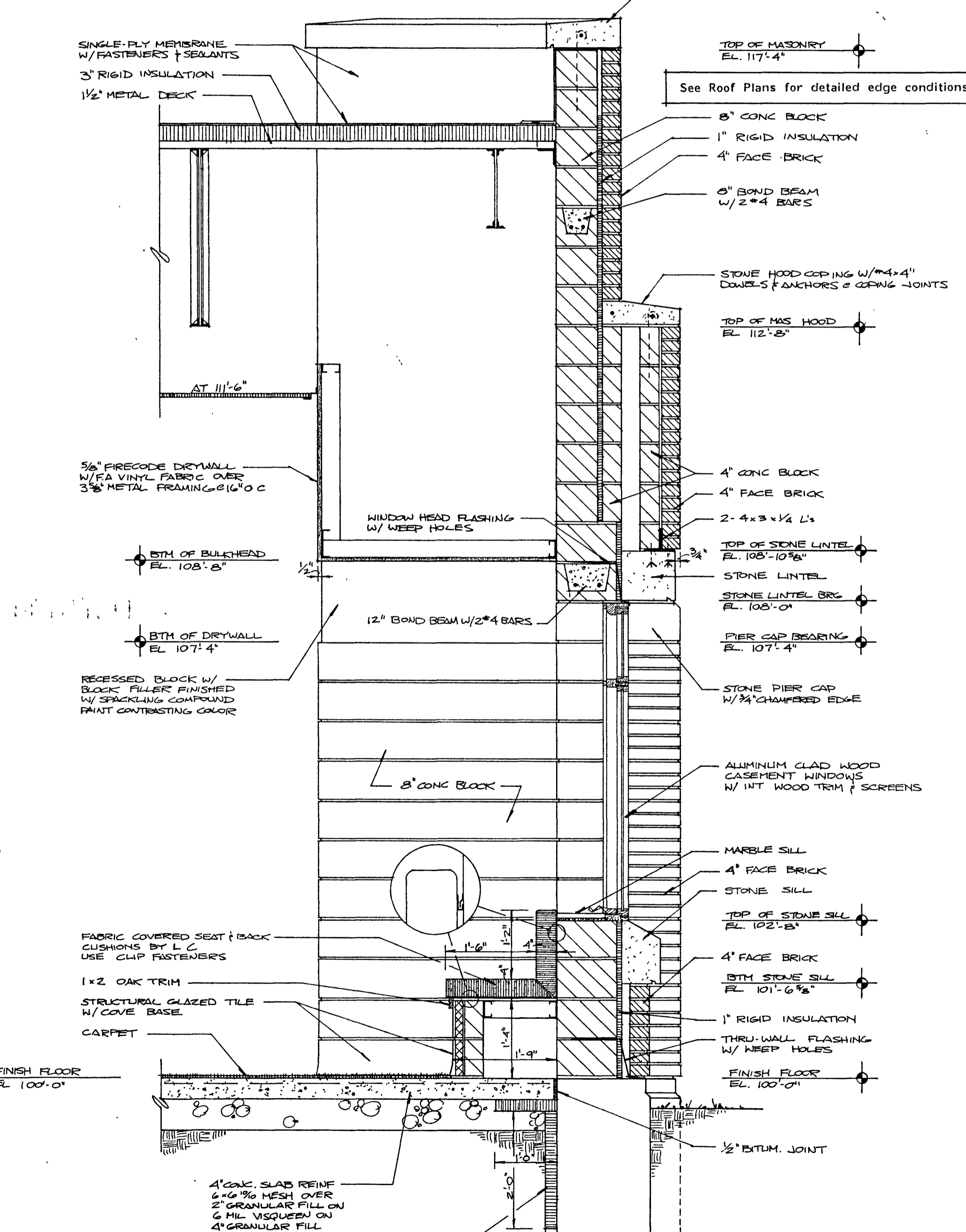
THRU-COLUMN SECTION
 SCALE: 3/4" = 1'-0"



(6) WALL SECTION
 SCALE: 3/4" = 1'-0"



(7) WALL SECTION
 SCALE: 3/4" = 1'-0"

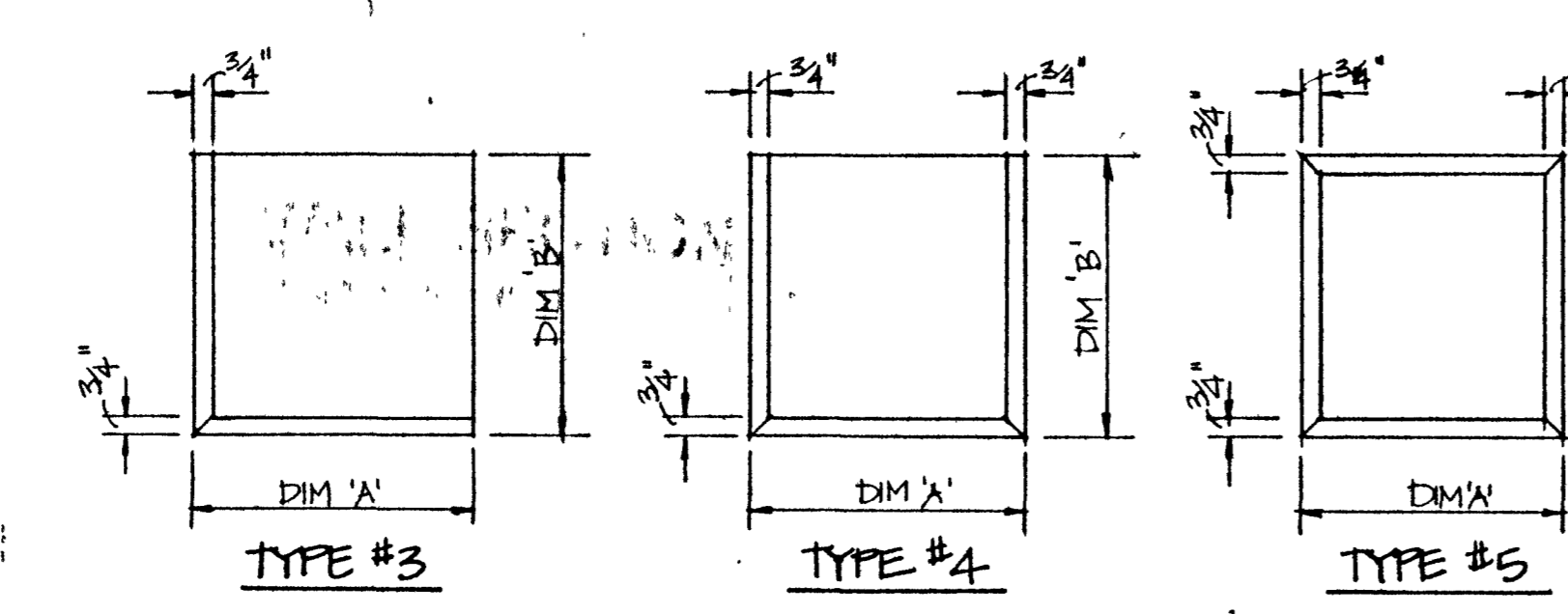
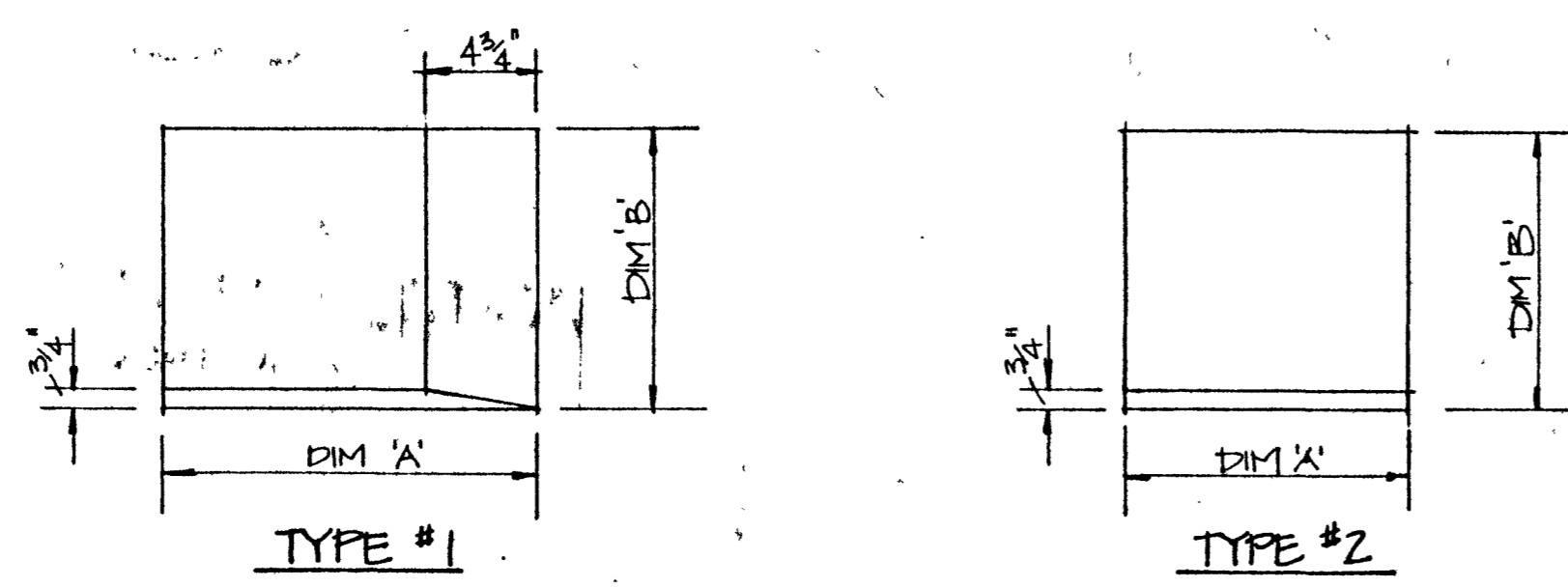


(8) WALL SECTION
 SCALE: 3/4" = 1'-0"

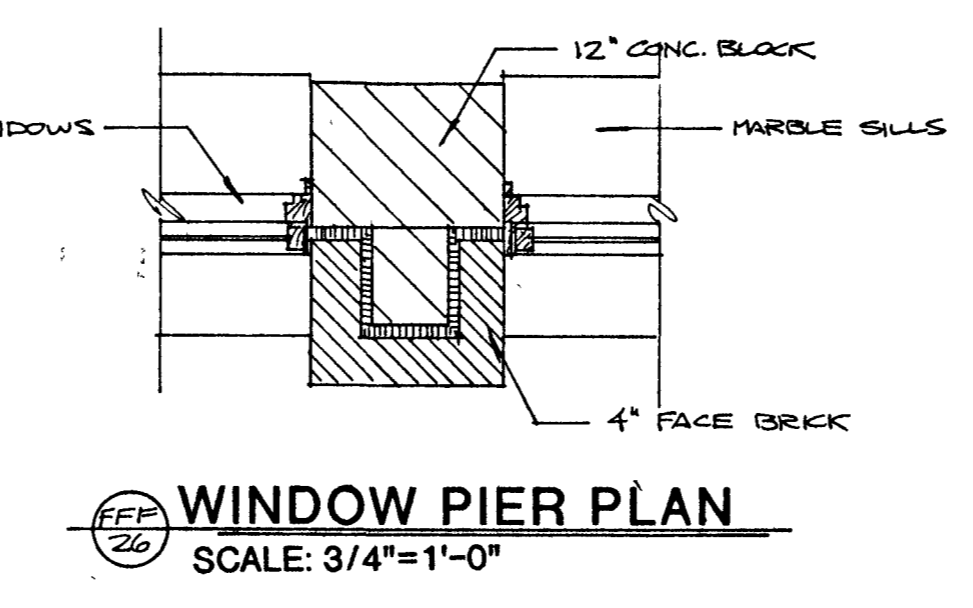
See Structural Plans for foundation sizes and reinforcing.

WALL SECTIONS 5 - 8
 SCALE: 3/4" = 1'-0"

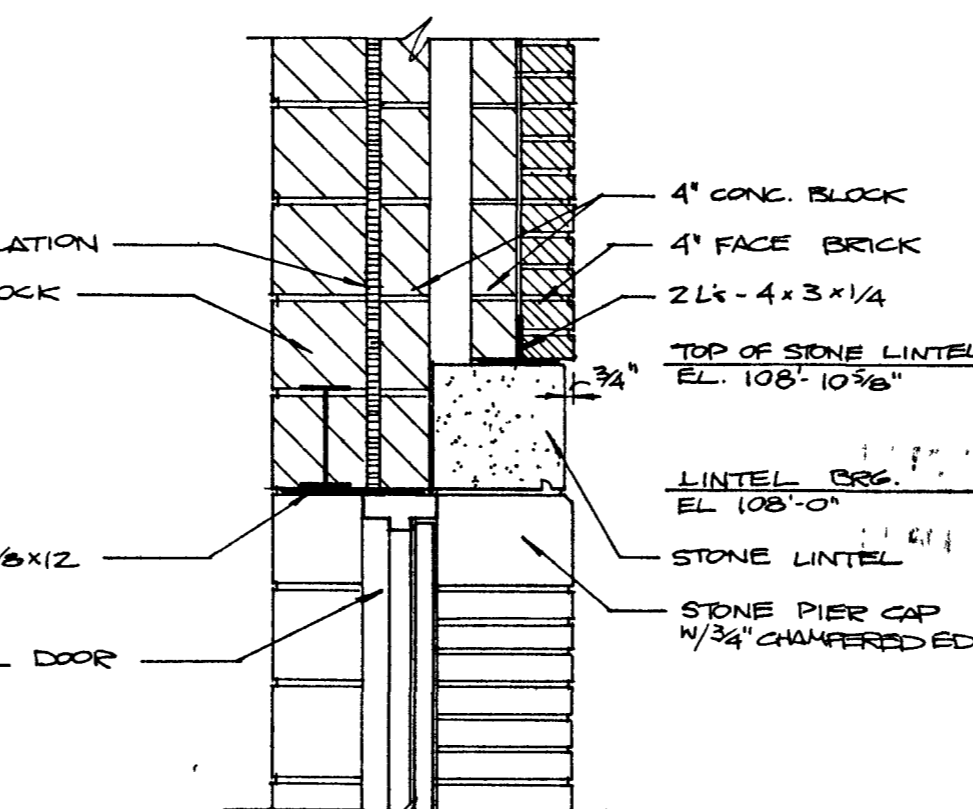
STONE PIER CAPS						
MARK	TYPE	DIM 'A'	DIM 'B'	QUANTITY AS SHOWN	QUANTITY OPP. HAND	THICKNESS
A	1	1'-8"	1'-0"	53	52	8"
B	2	1'-4"	1'-0"	83	--	8"
C	1	2'-0"	1'-4"	1	1	10-5/8"
D	1	2'-4"	2'-0"	4	5	10-5/8"
E	1	3'-0"	2'-4"	1	1	1'-4"
F	1	2'-4"	2'-8"	1	--	10-5/8"
G	1	2'-4"	2'-4"	1	--	10-5/8"
H	1	2'-4"	1'-4"	--	1	10-5/8"
I	1	2'-5"	1'-0"	1	1	10-5/8"
J	2	2'-1"	1'-0"	1	1	10-5/8"
K	2	1'-0"	1'-4"	1	--	10-5/8"
L	5	2'-0"	2'-0"	8	--	1'-1 3/8"
M	4	2'-0"	2'-0"	3	--	1'-1 3/8"
N	4	2'-0"	1'-0"	3	--	1'-1 3/8"
O	3	2'-0"	1'-0"	1	--	1'-1 3/8"
P	1	2'-4"	1'-8"	1	1	10-5/8"
Q	1	2'-0"	2'-0"	1	1	10-5/8"
R	1	2'-4"	1'-0"	1	1	10-5/8"
S	2	1'-0"	1'-0"	1	--	8"



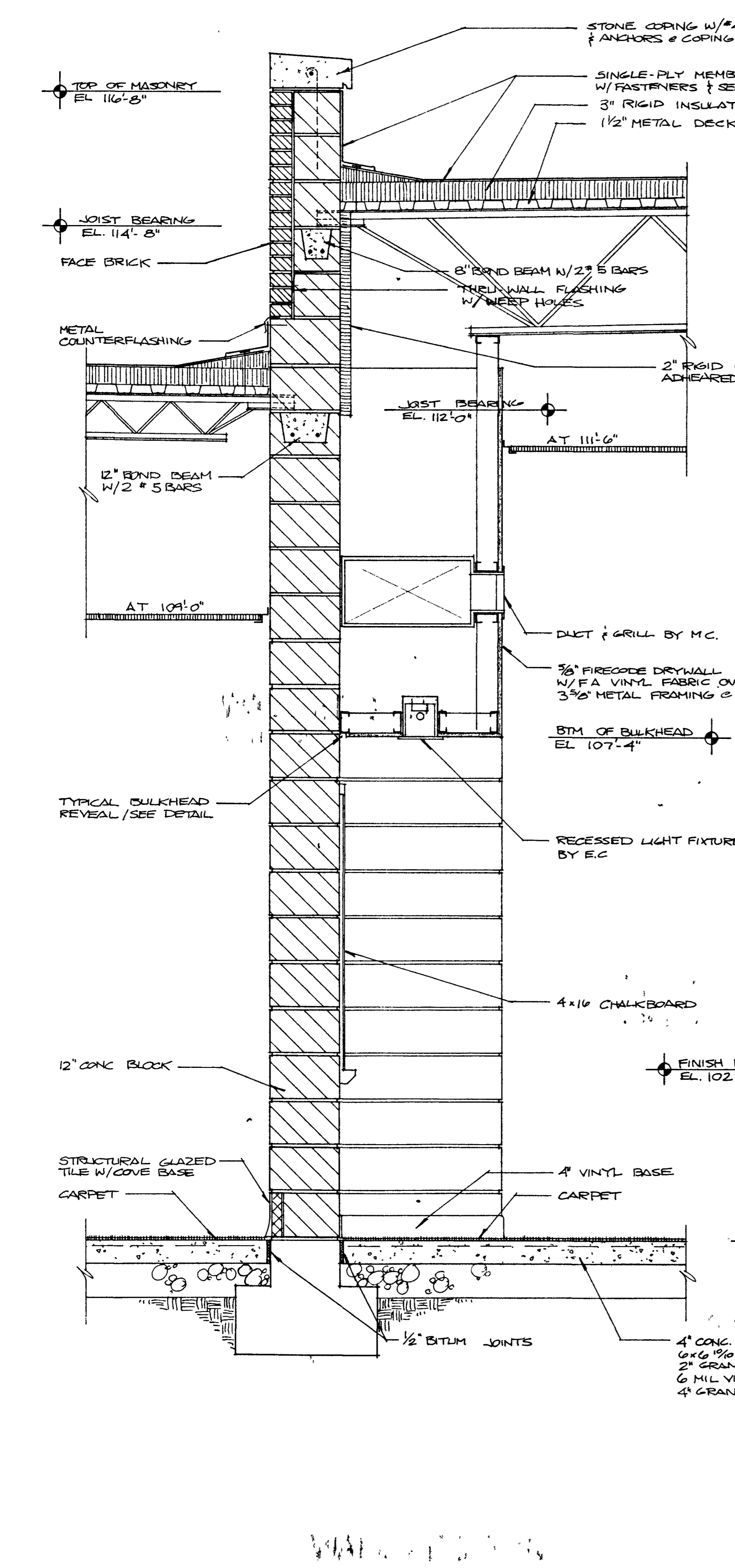
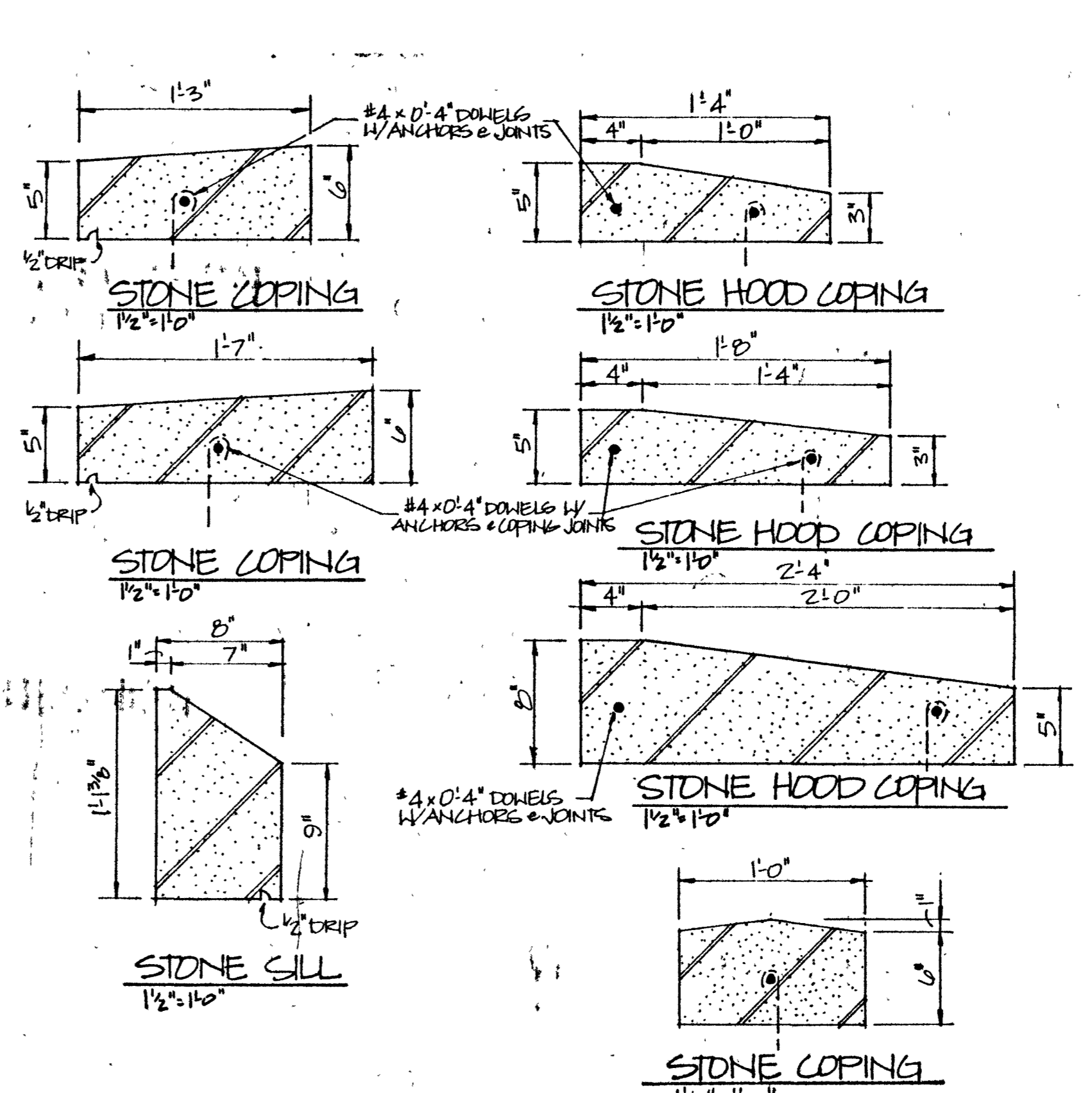
STONE PIER CAPS
N.T.S. - PLAN VIEW



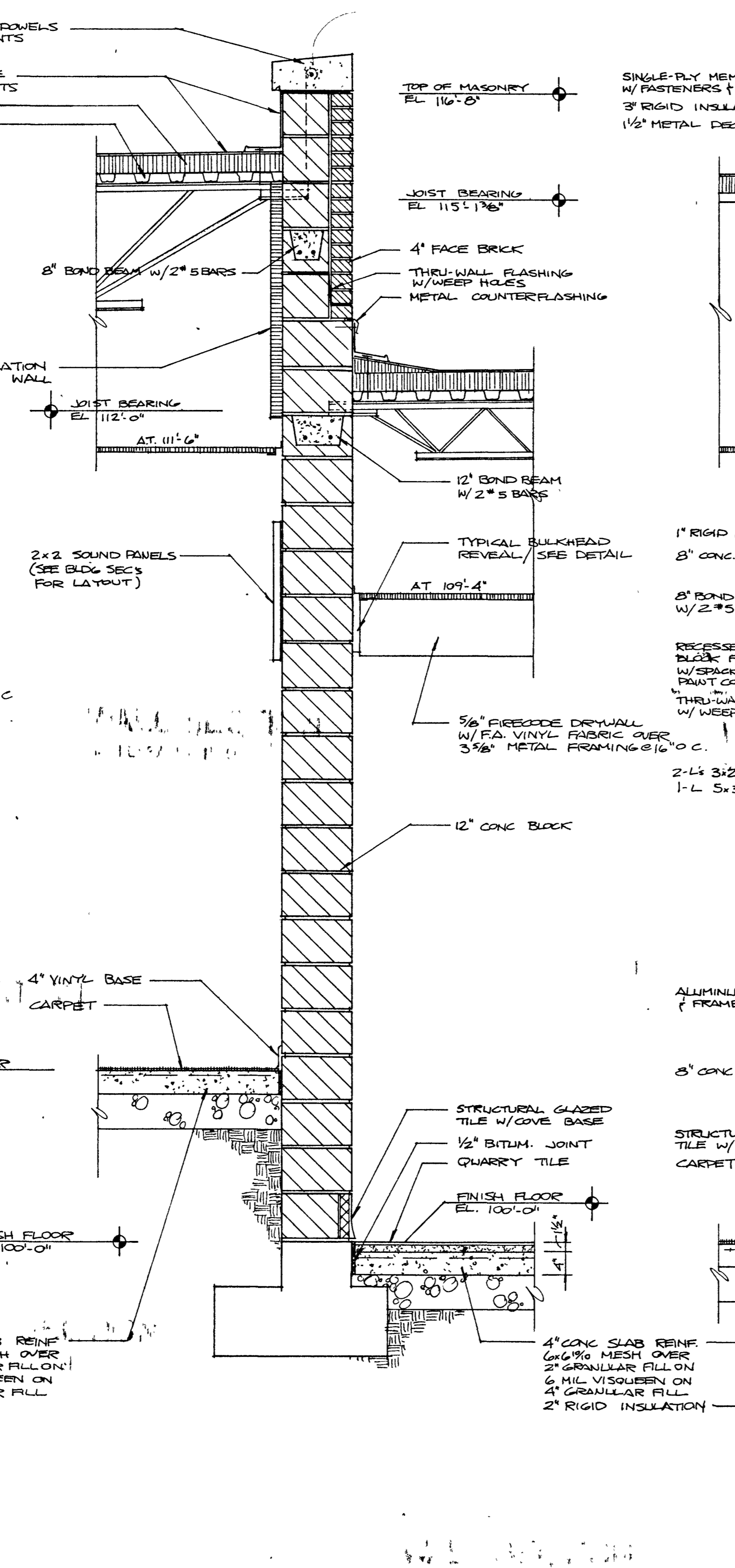
WINDOW PIER PLAN
SCALE: 3/4" = 1'-0"



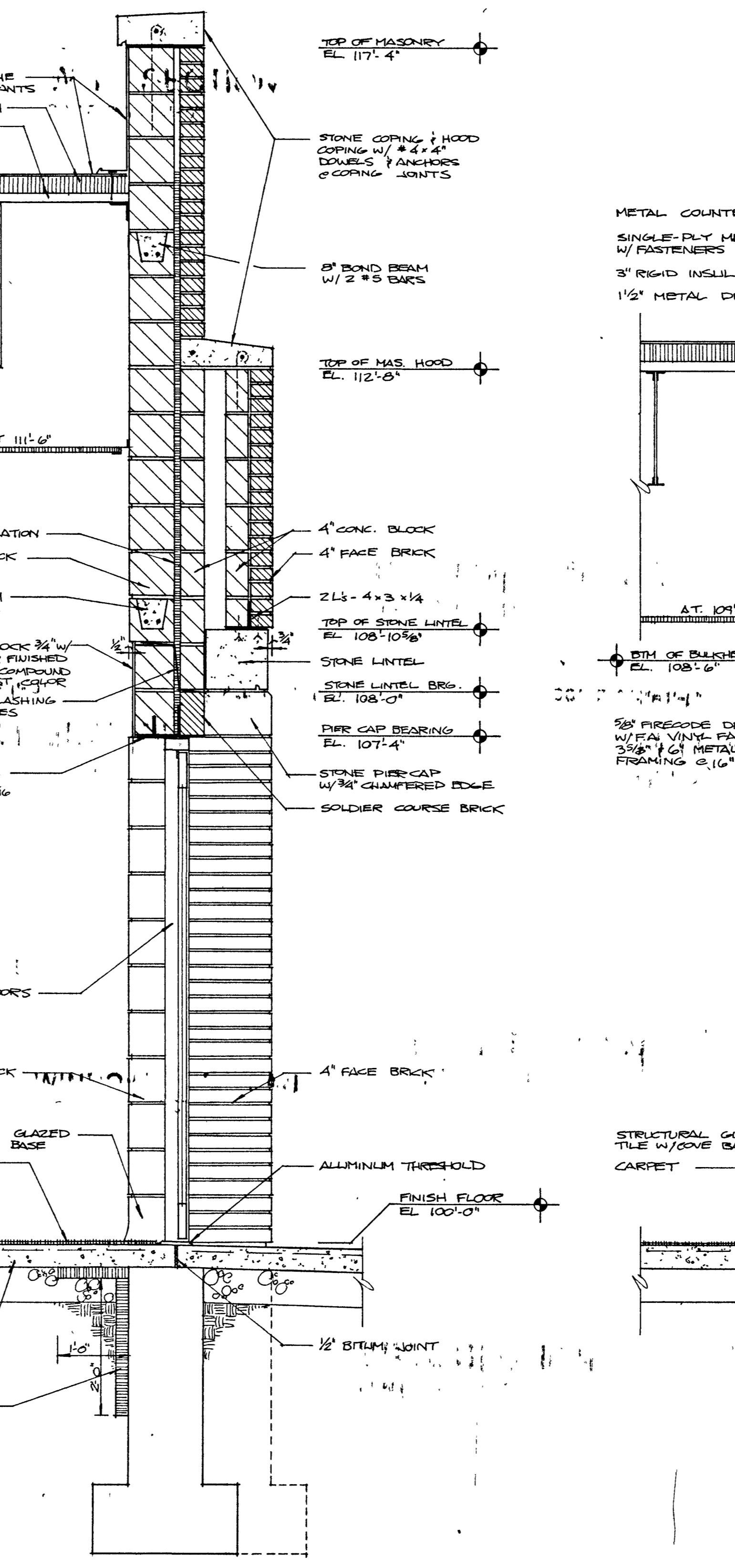
DOOR HEAD DETAIL
SCALE: 3/4" = 1'-0"



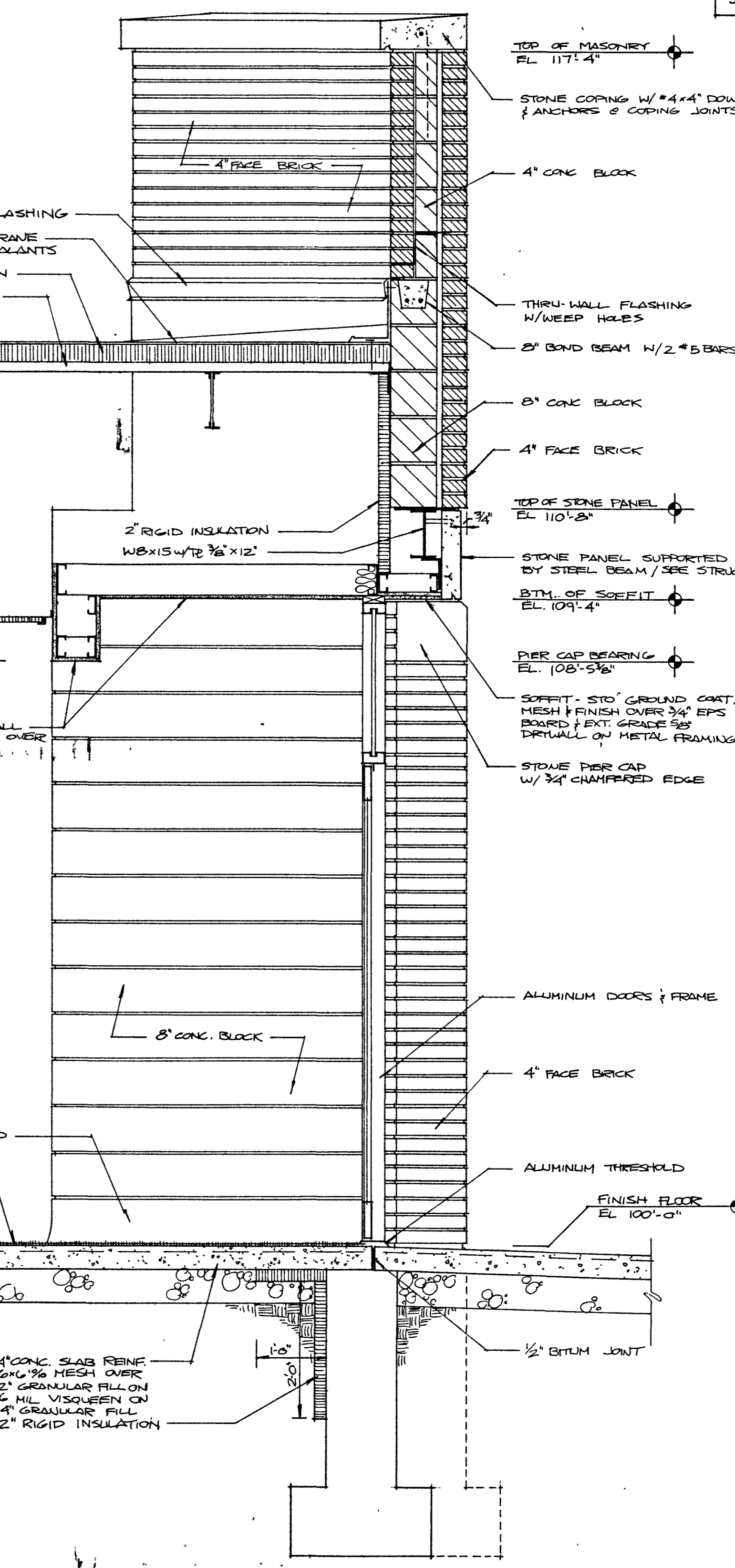
9 WALL SECTION
SCALE: 3/4" = 1'-0"



10 WALL SECTION
SCALE: 3/4" = 1'-0"



11 WALL SECTION
SCALE: 3/4" = 1'-0"



12 WALL SECTION
SCALE: 3/4" = 1'-0"

See Structural Plans for foundation sizes and reinforcing.

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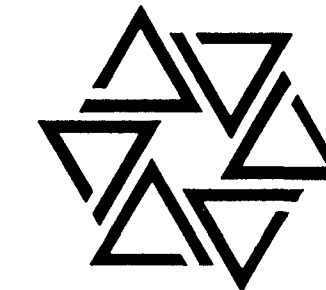
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA

COMM. NO. 8714
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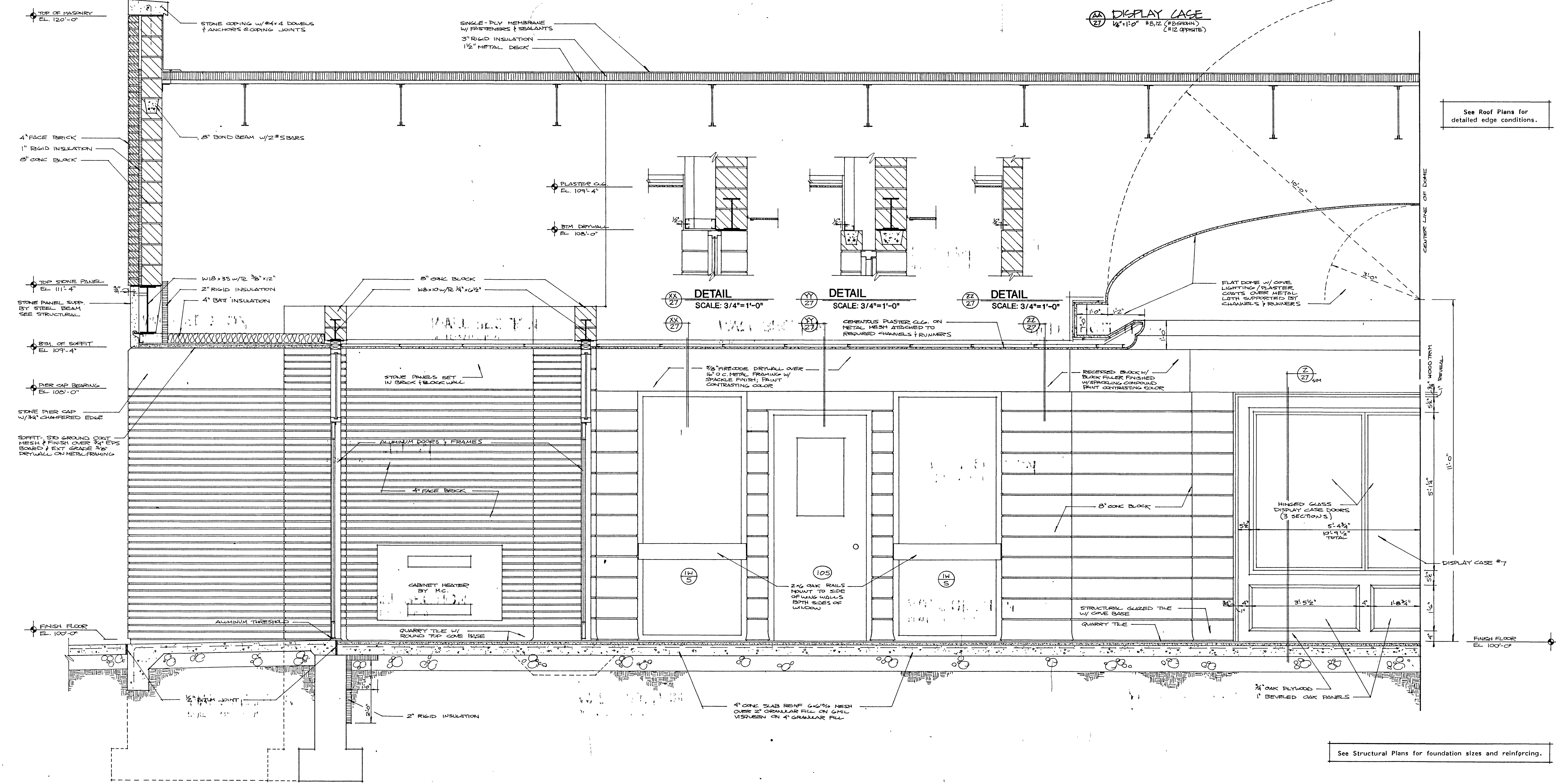
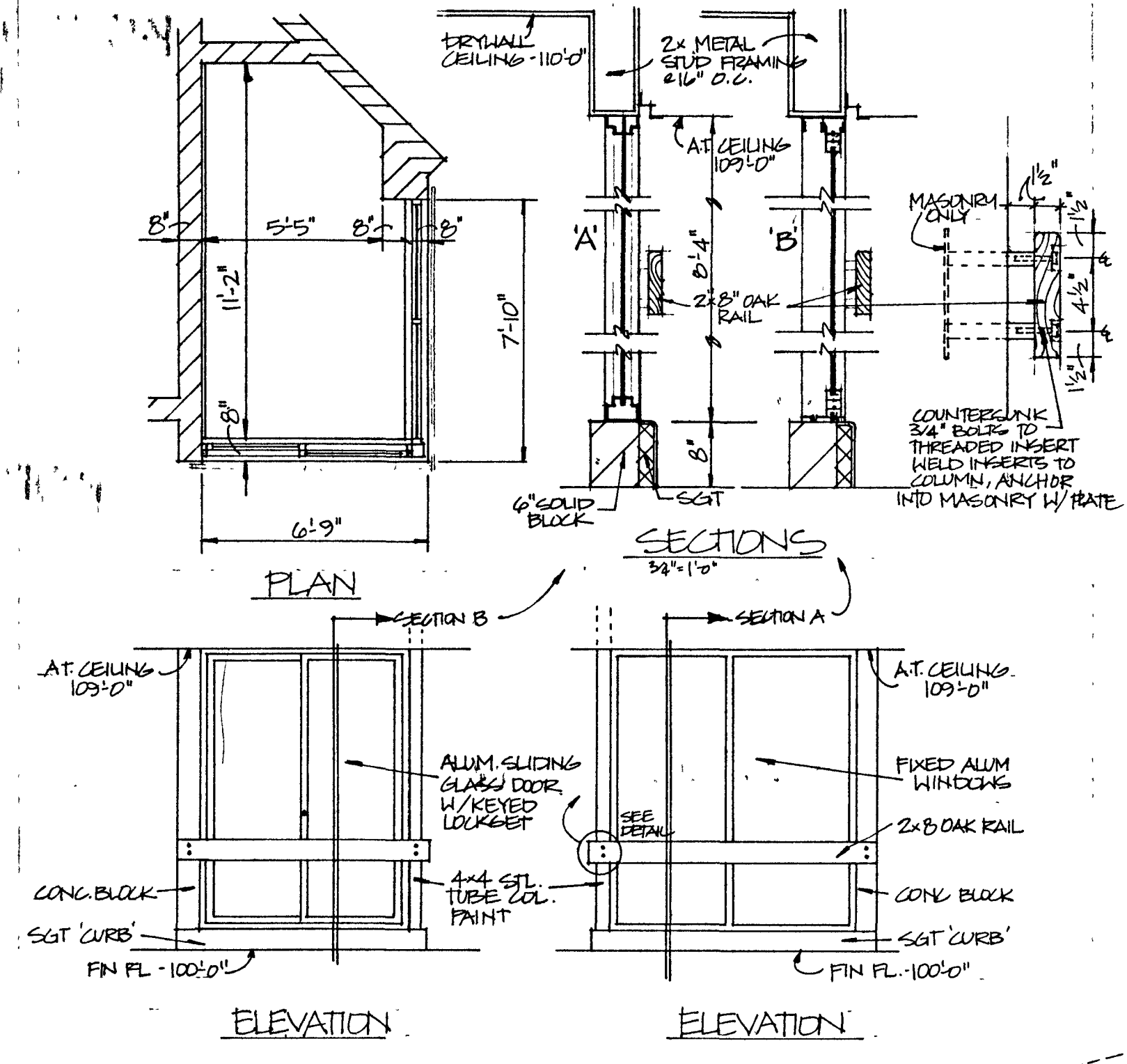
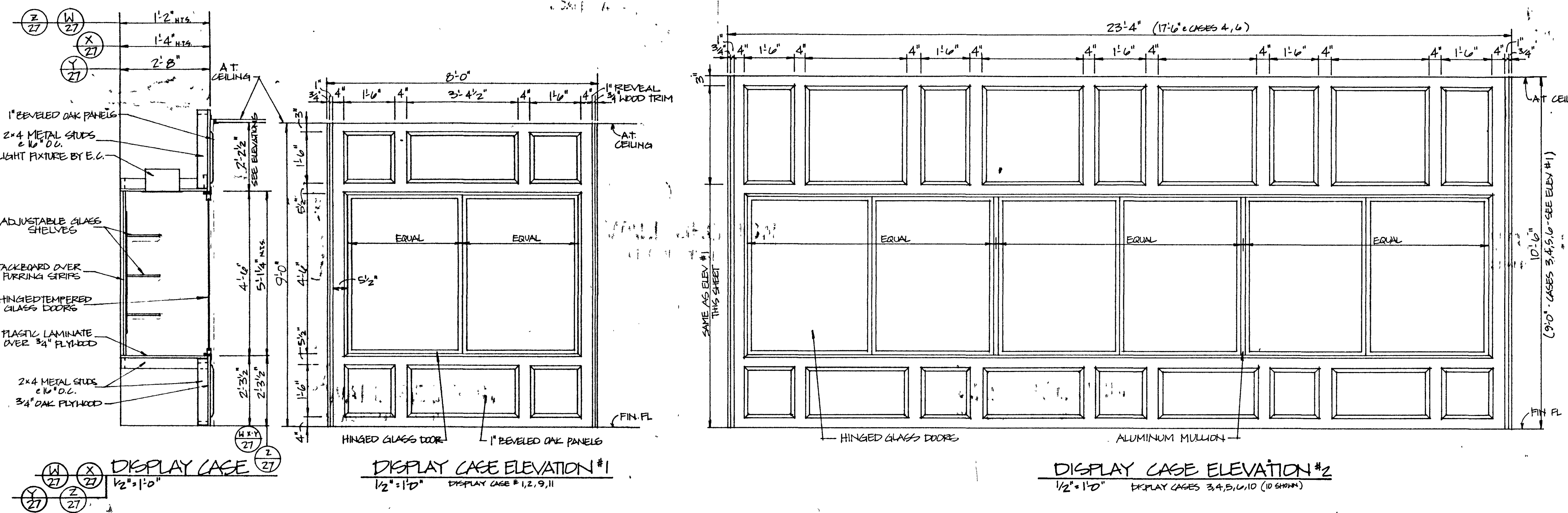
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WALL SECTION
 SCALE: 3/4" = 1'-0"

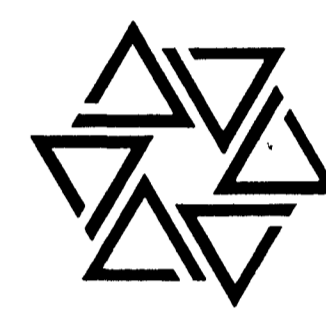
See Structural Plans for foundation sizes and reinforcing.

WALL SECTION 13
 SCALE 3/4" = 1'-0"



Richard H. Barton

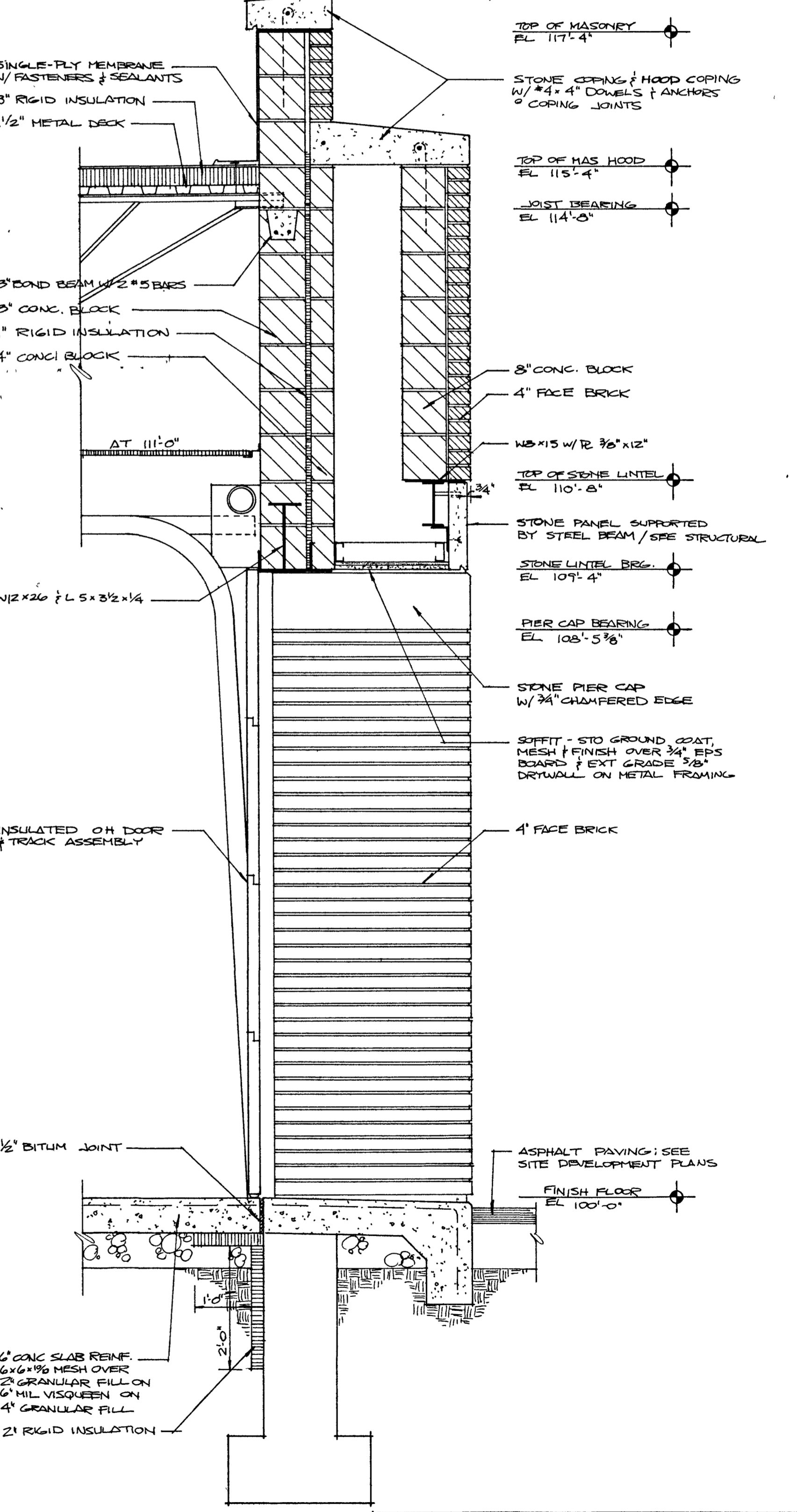
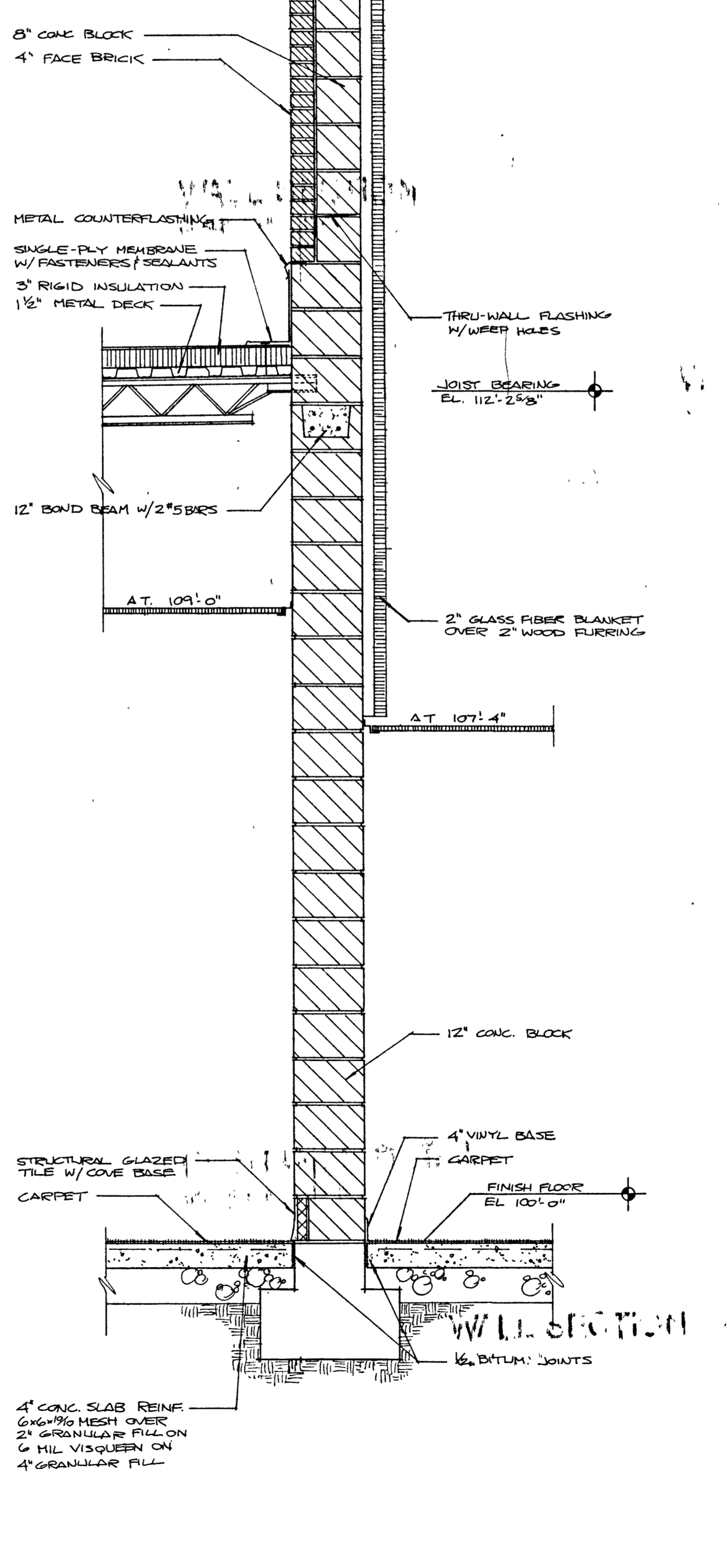
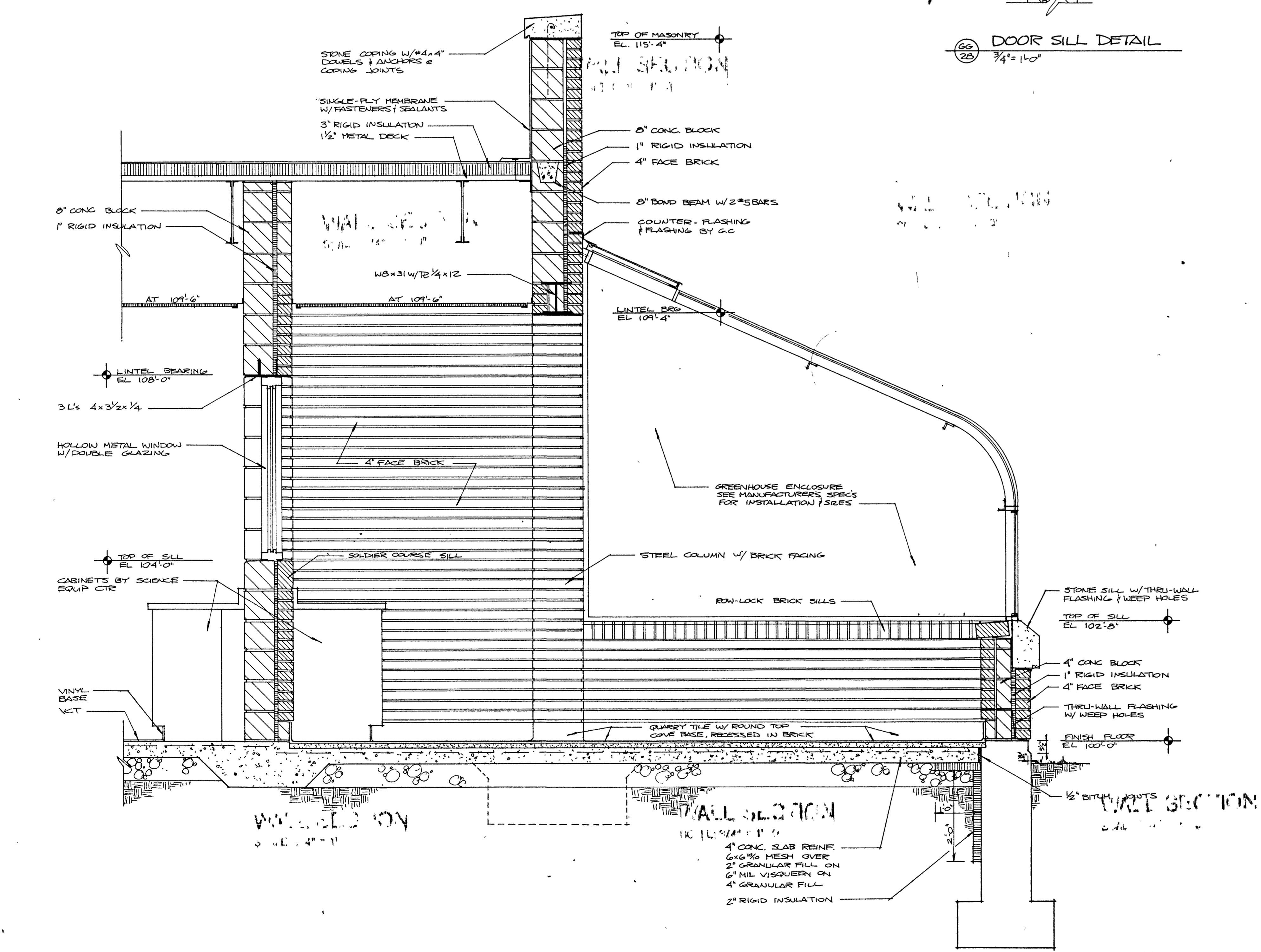
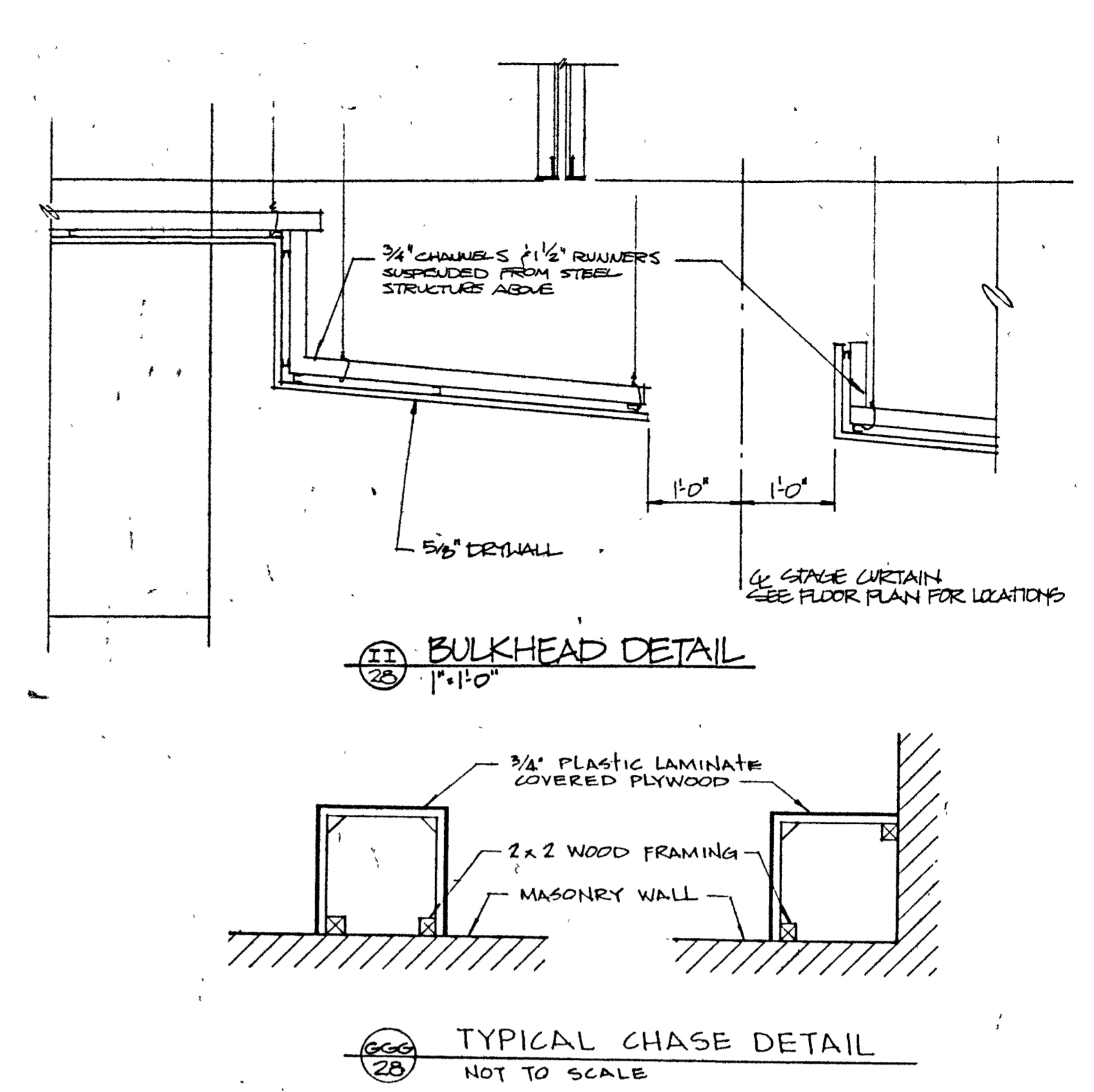
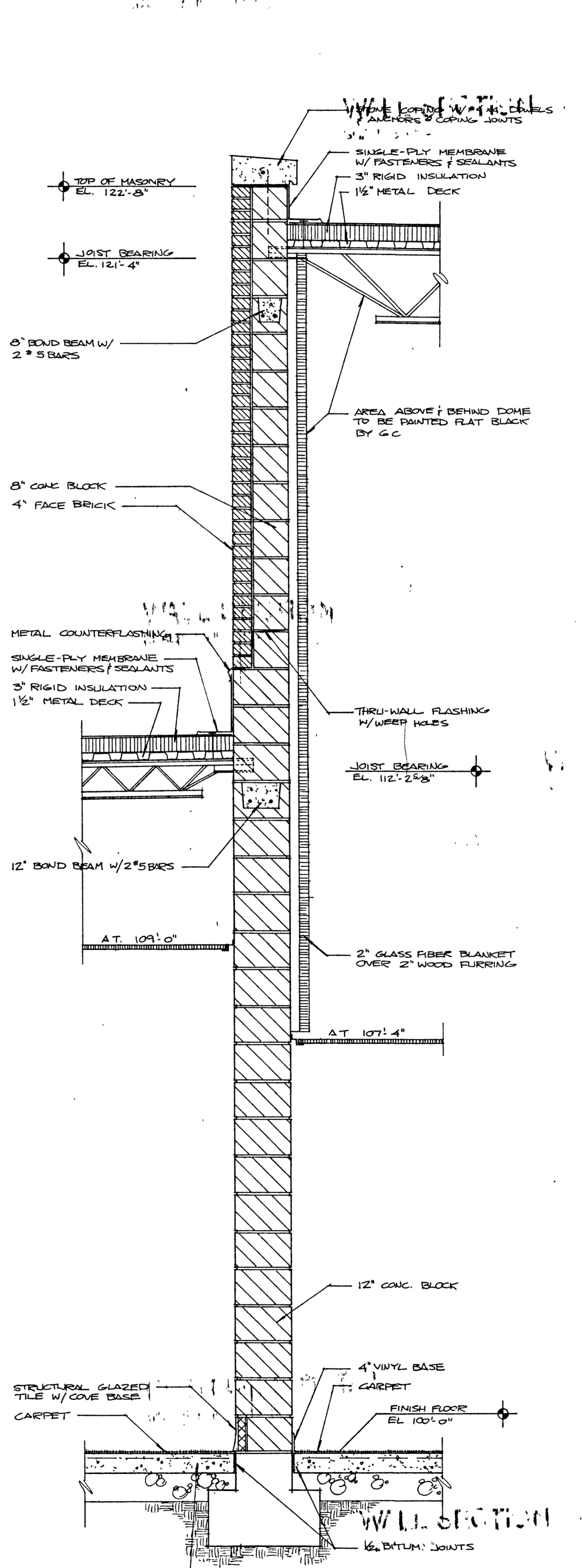
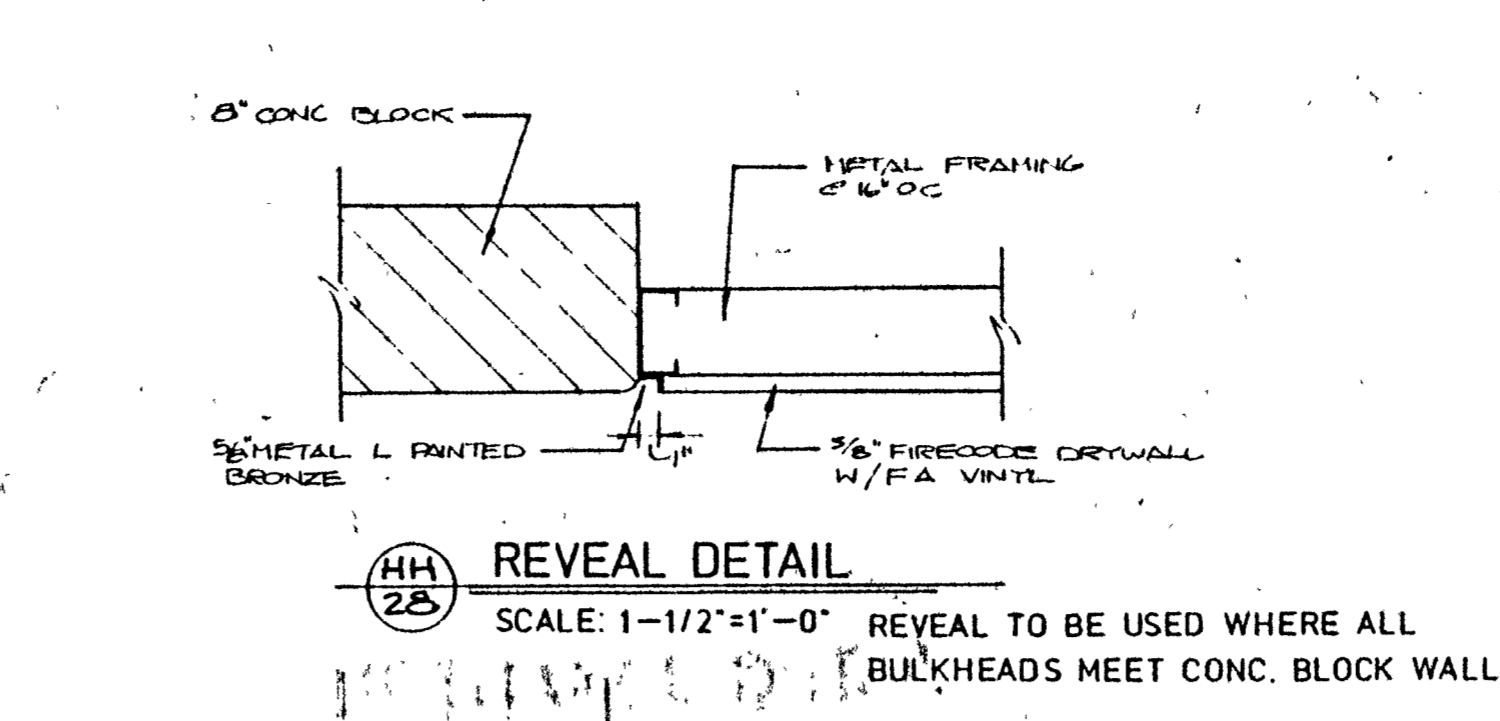
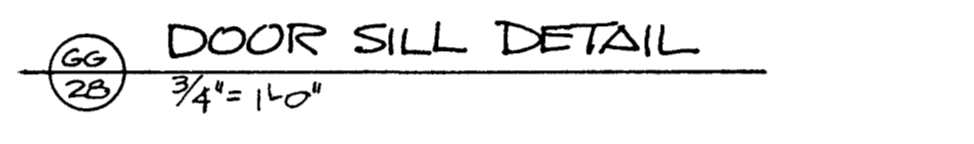
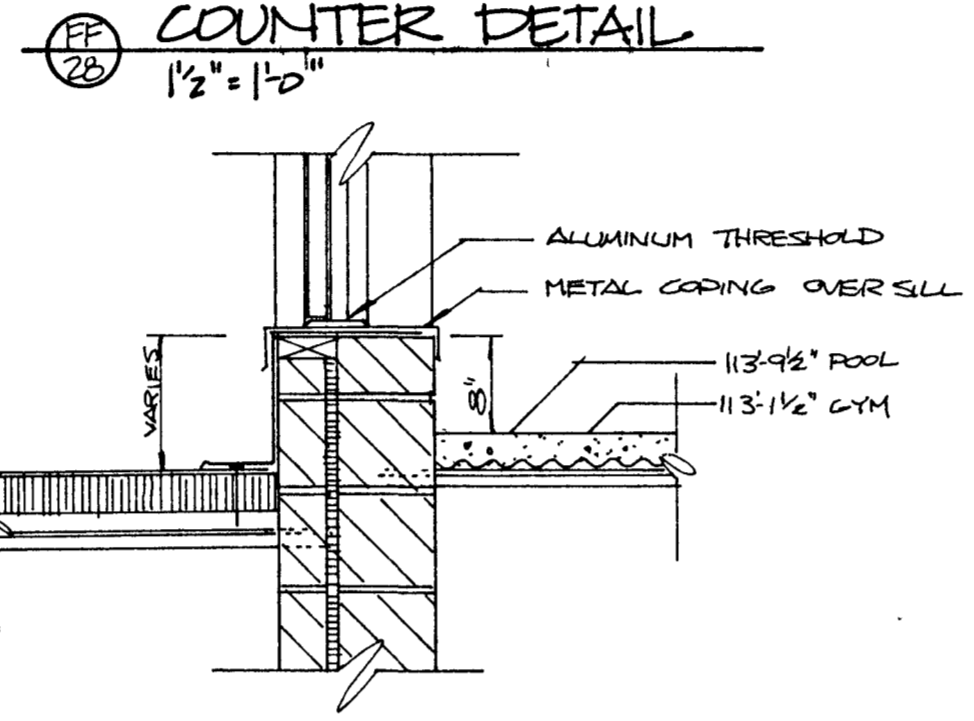
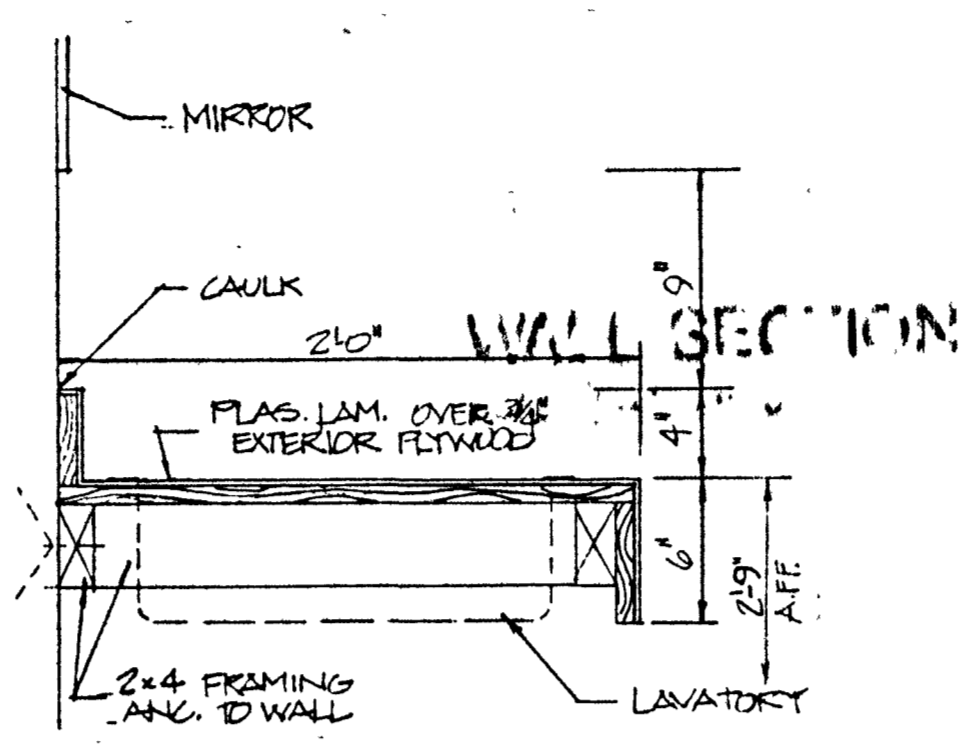
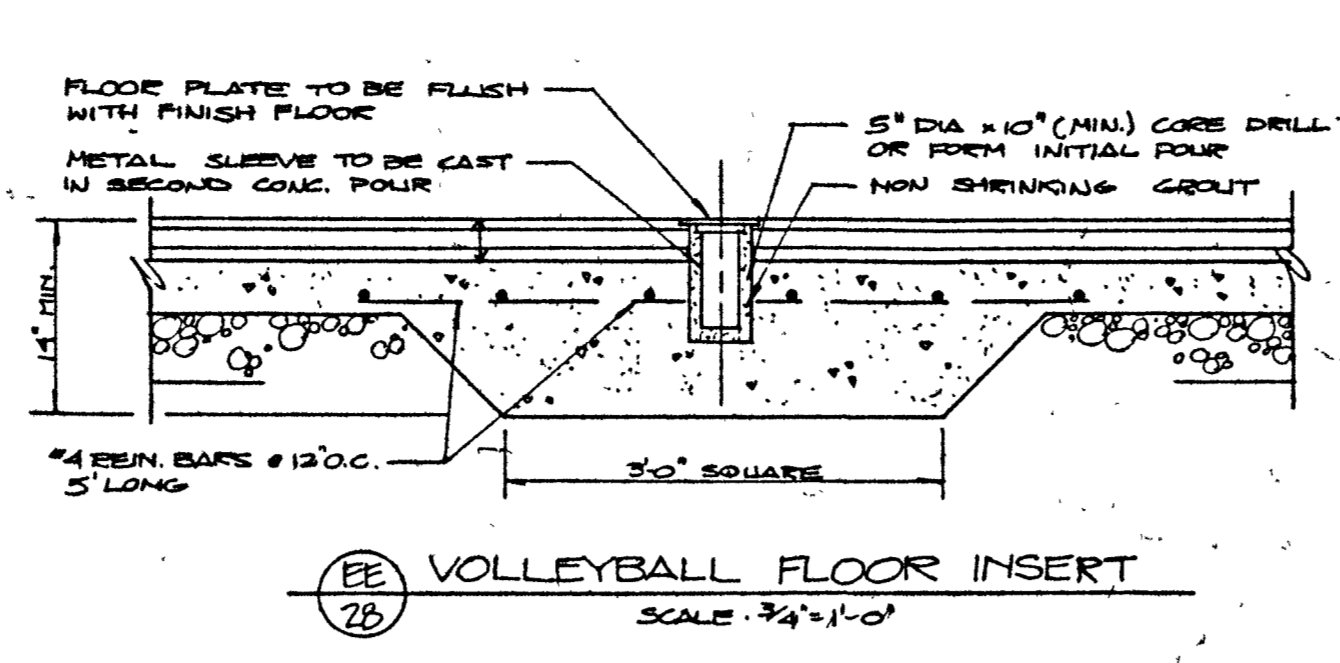
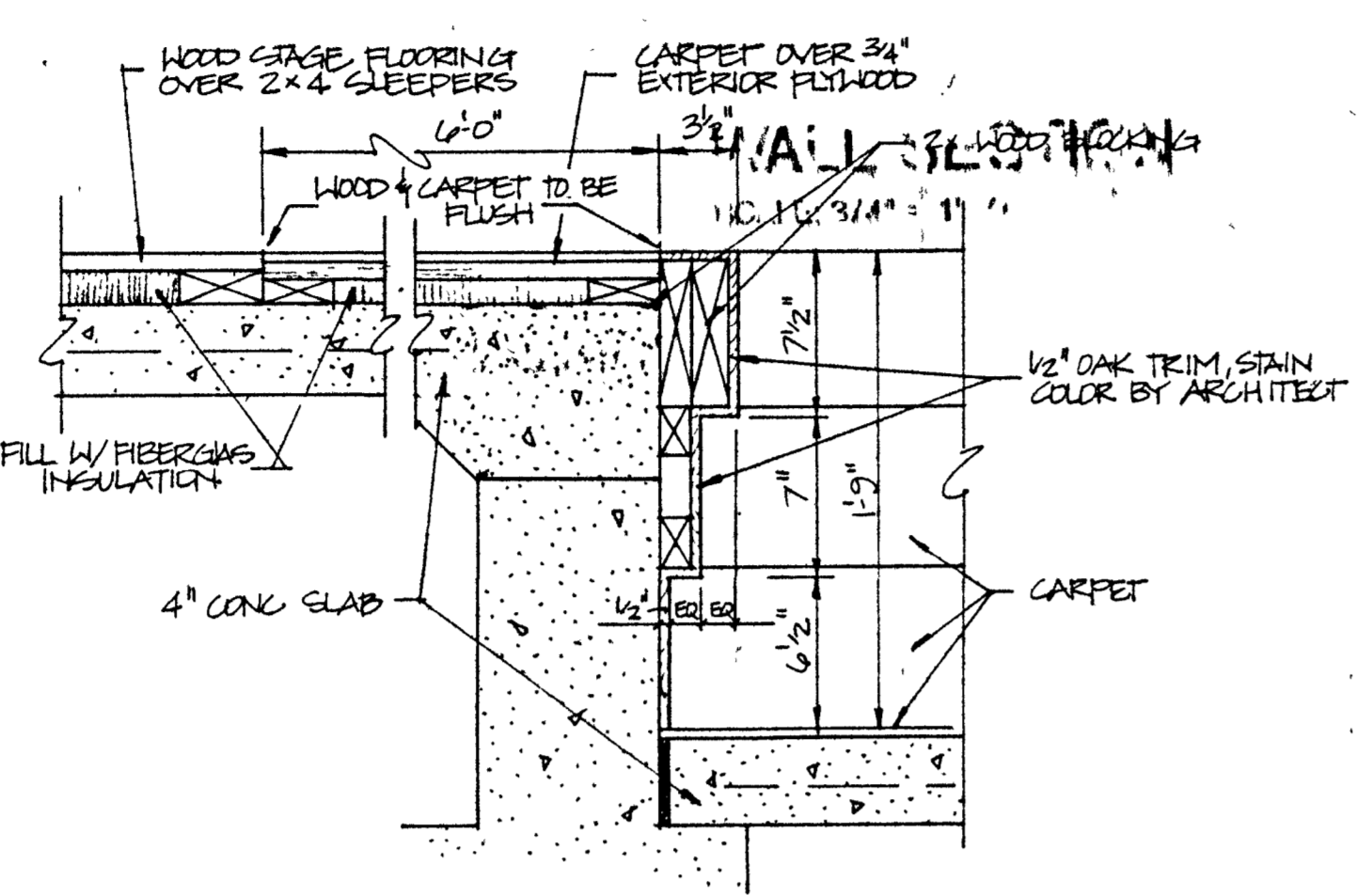
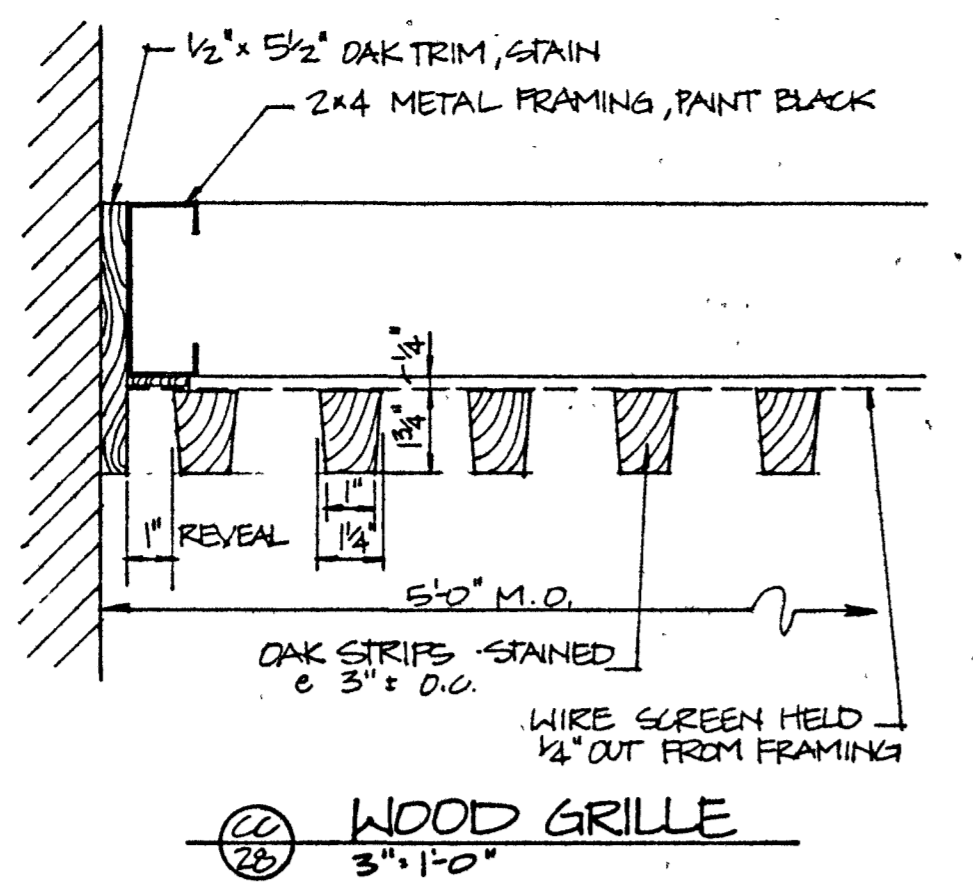
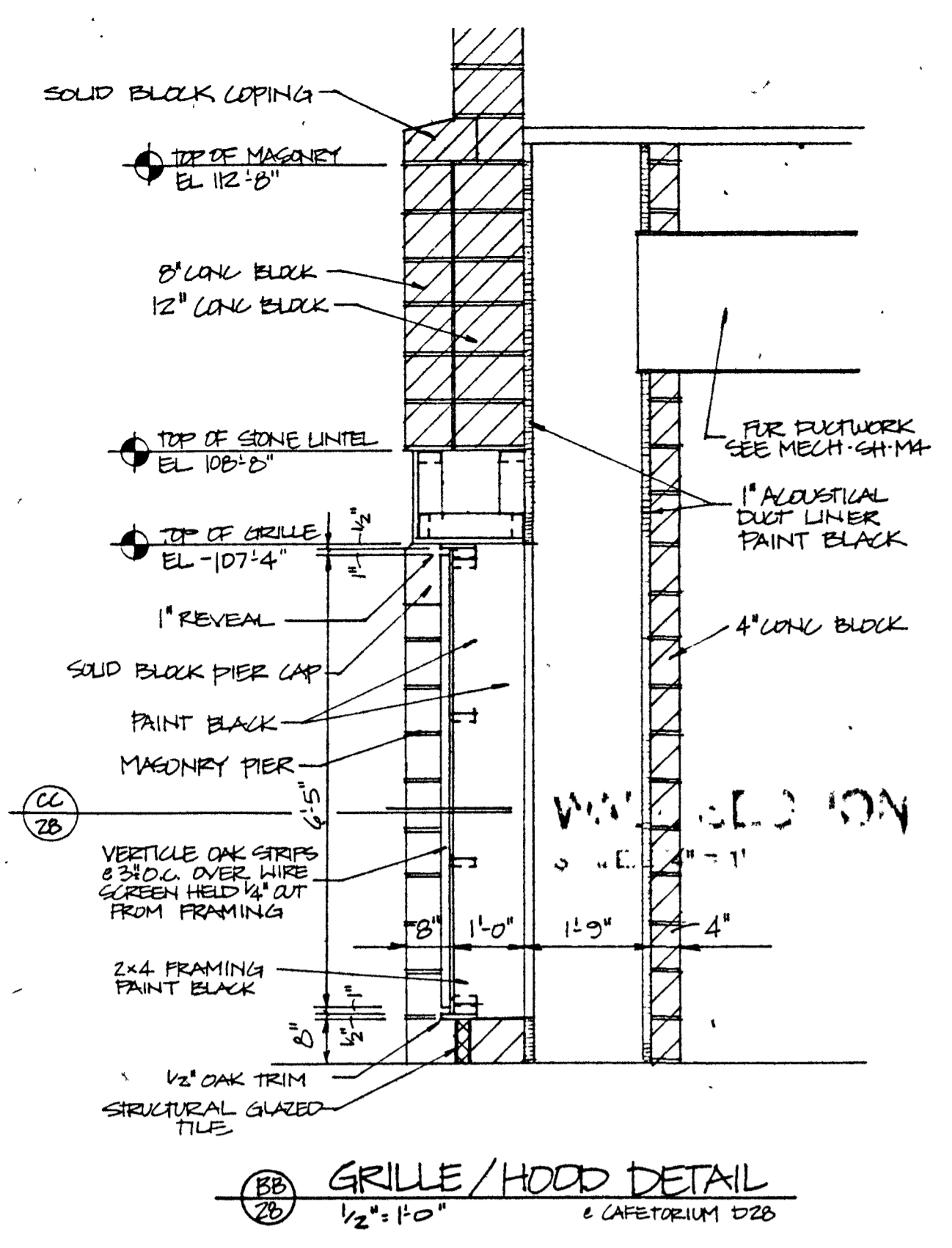
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14/28 WALL SECTION
SCALE: 3/4" = 1'-0"

15/28 WALL SECTION
SCALE: 3/4" = 1'-0"

16/28 WALL SECTION
SCALE: 3/4" = 1'-0"

WALL SECTIONS 14 - 16
SCALE: 3/4" = 1'-0"

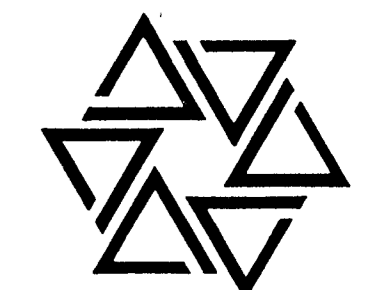
See Structural Plans for foundation sizes and reinforcing.

See Roof Plans for detailed edge conditions.



Richard T. Barton
No. 1433
STATE OF INDIANA
ARCHITECT

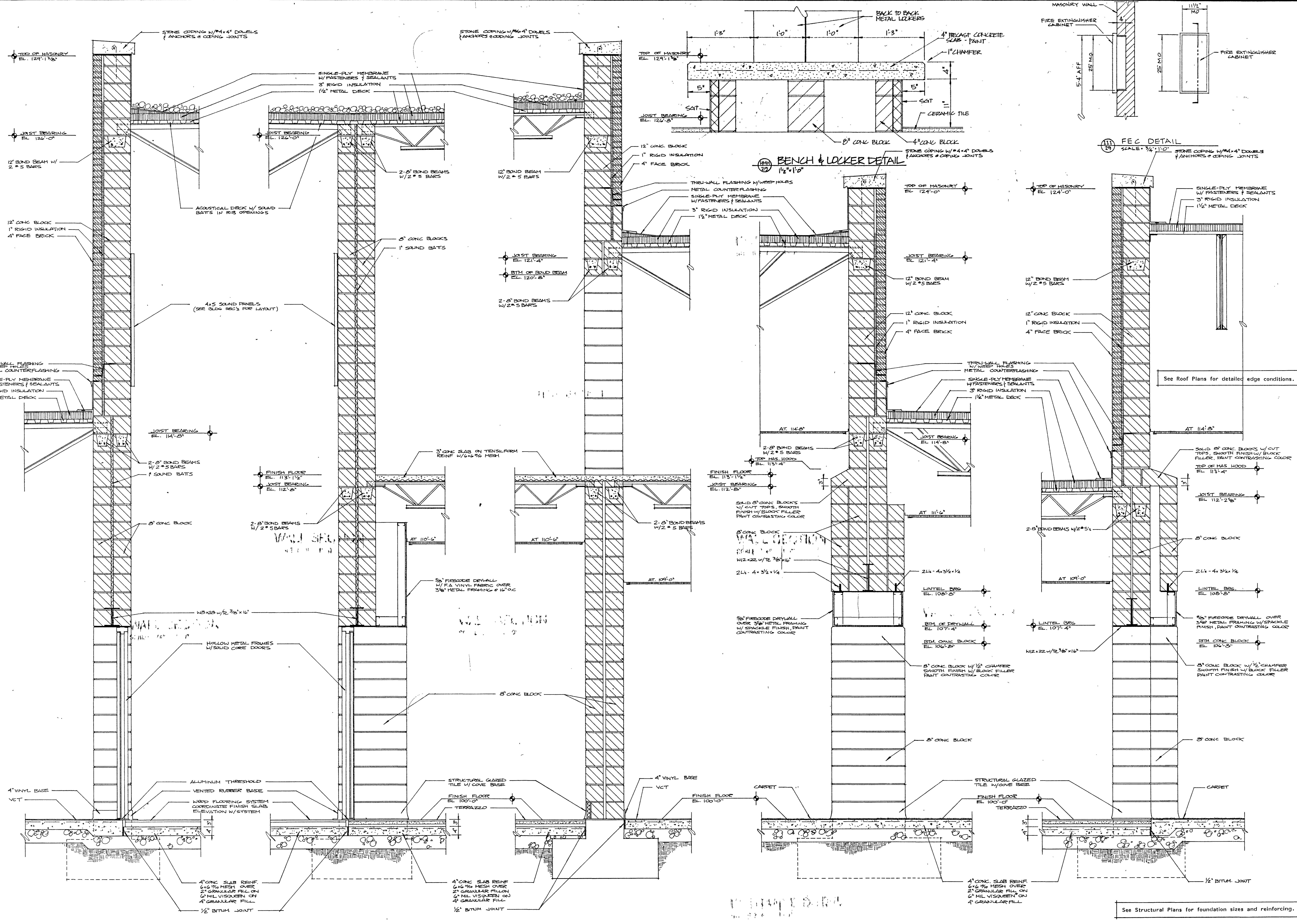
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17
WALL SECTION
SCALE: 3/4" = 1'-0"

18
WALL SECTION
SCALE: 3/4" = 1'-0"

19
WALL SECTION
SCALE: 3/4" = 1'-0"

20
WALL SECTION
SCALE: 3/4" = 1'-0"

21
WALL SECTION
SCALE: 3/4" = 1'-0"

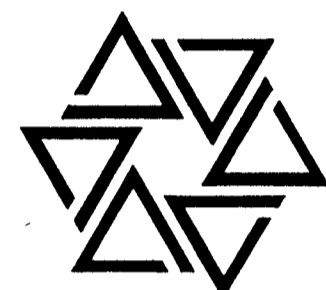
WALL SECTIONS 17 - 21
SCALE: 3/4" = 1'-0"

See Structural Plans for foundation sizes and reinforcing.

See Roof Plans for detailed edge conditions.



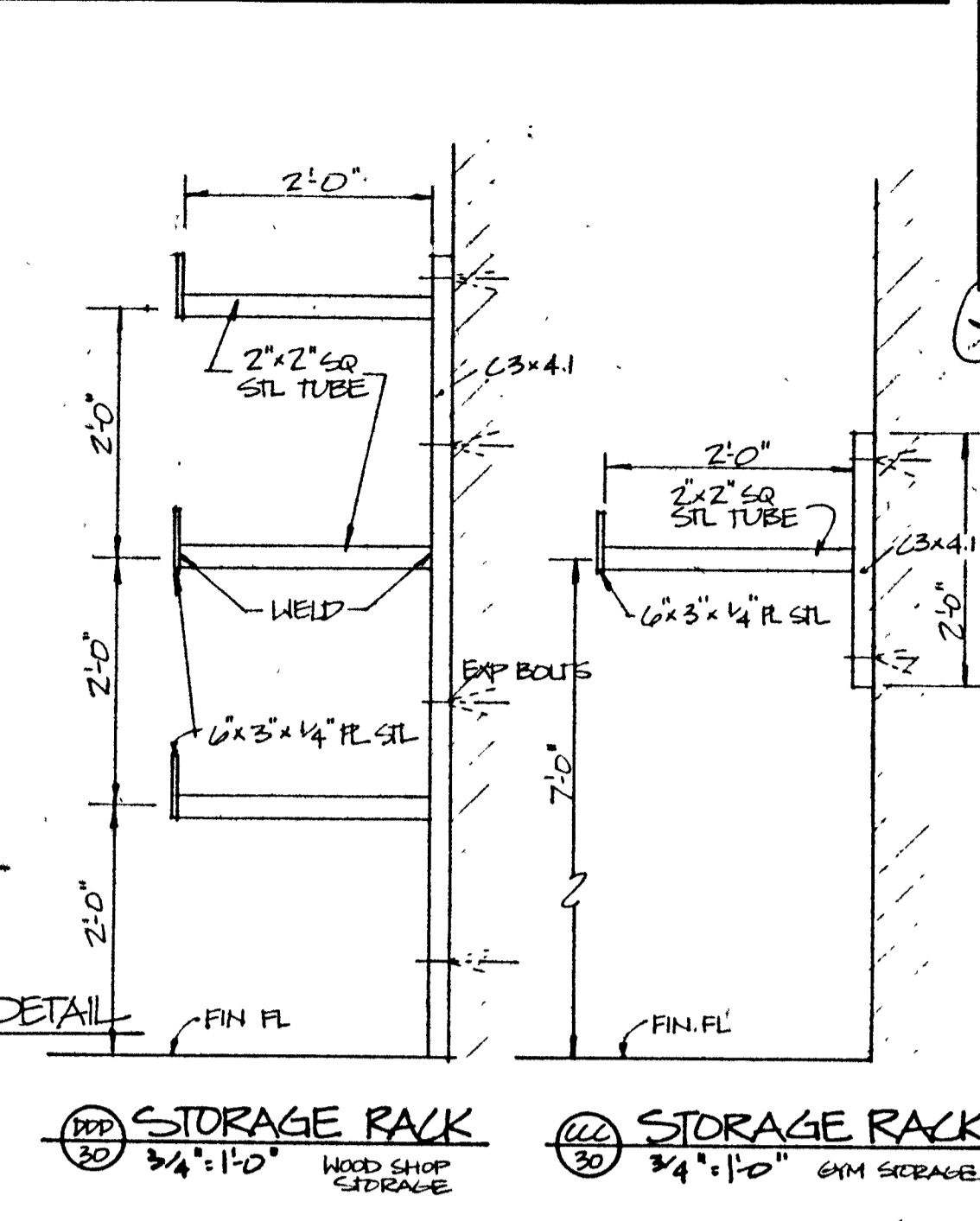
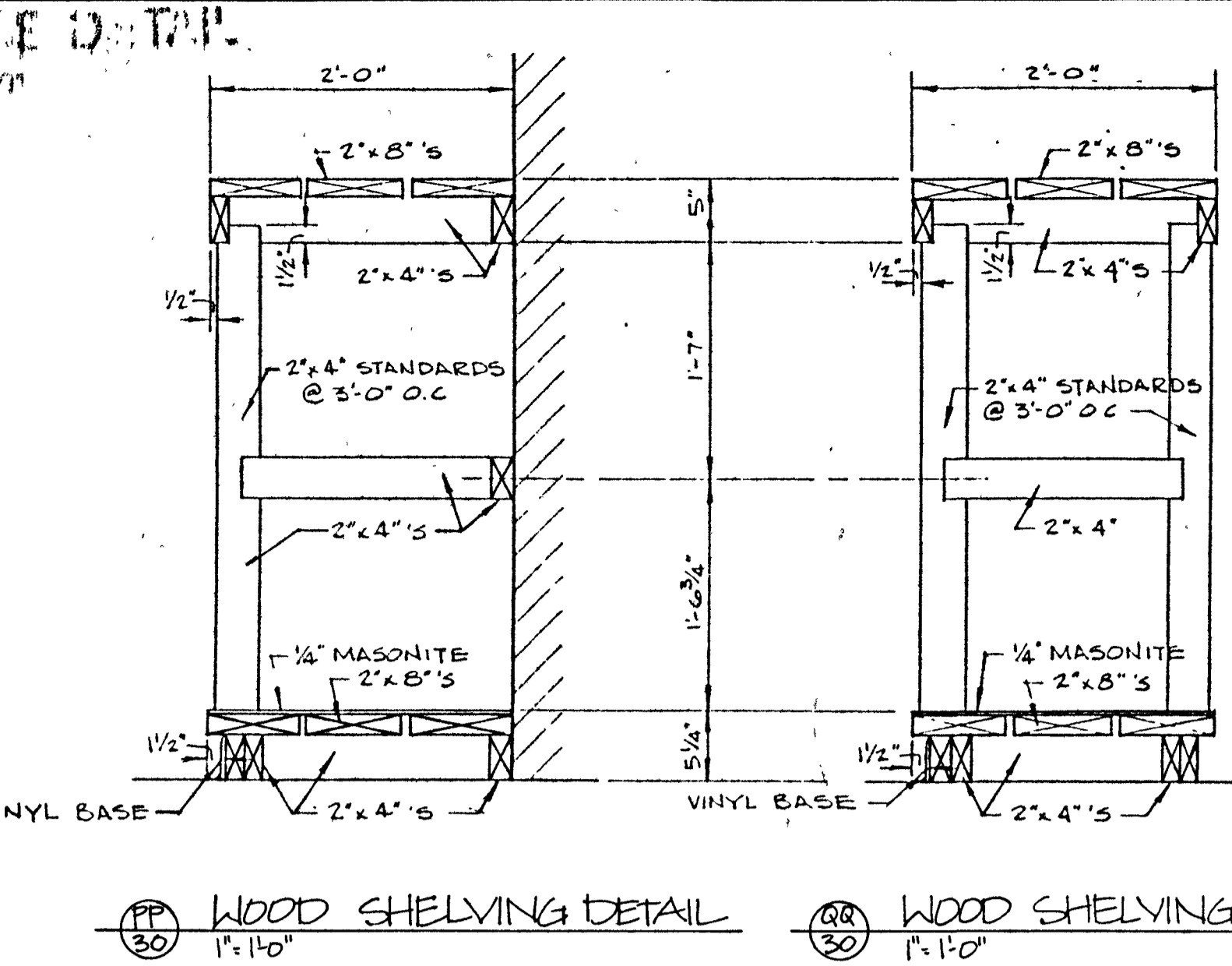
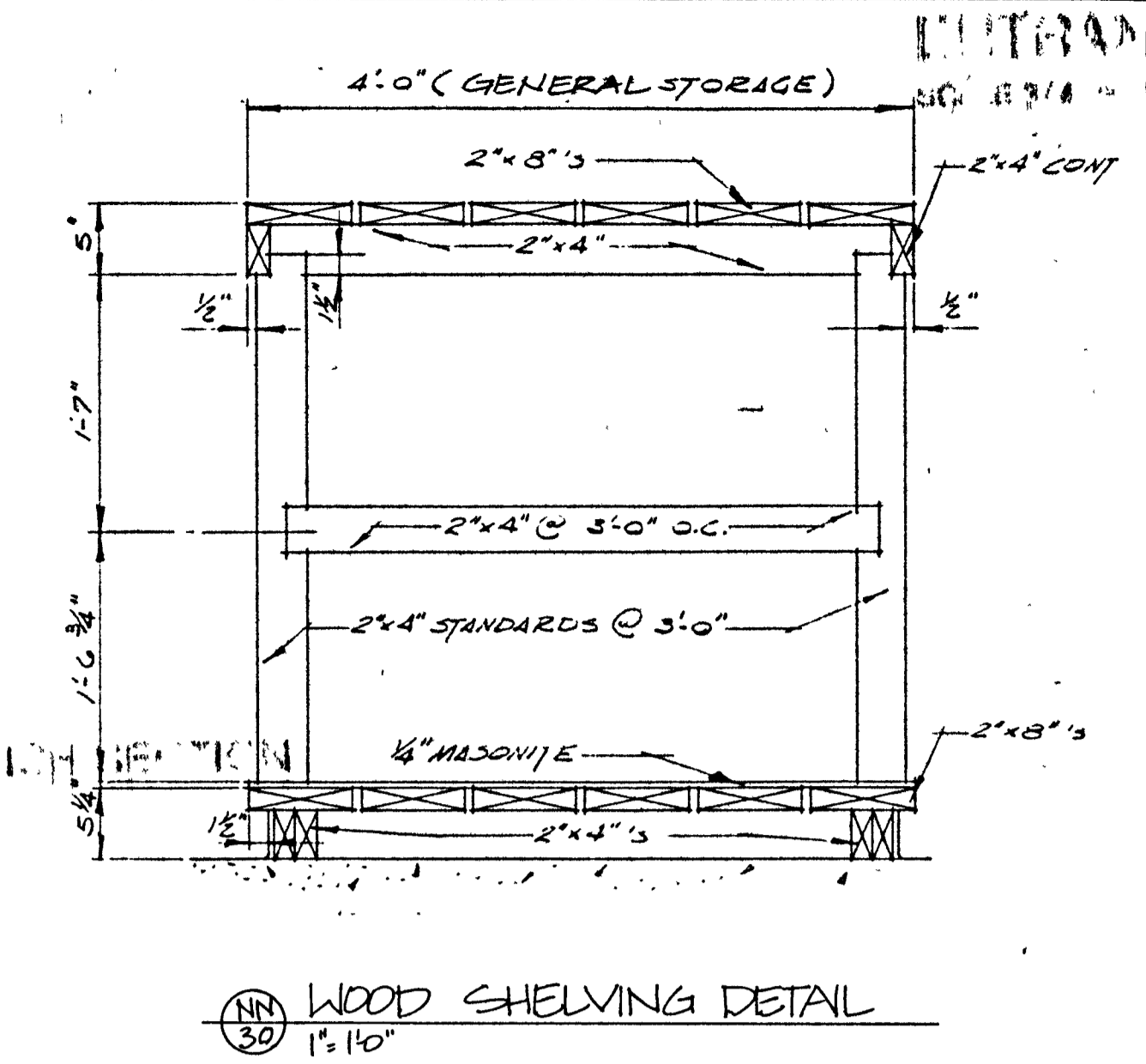
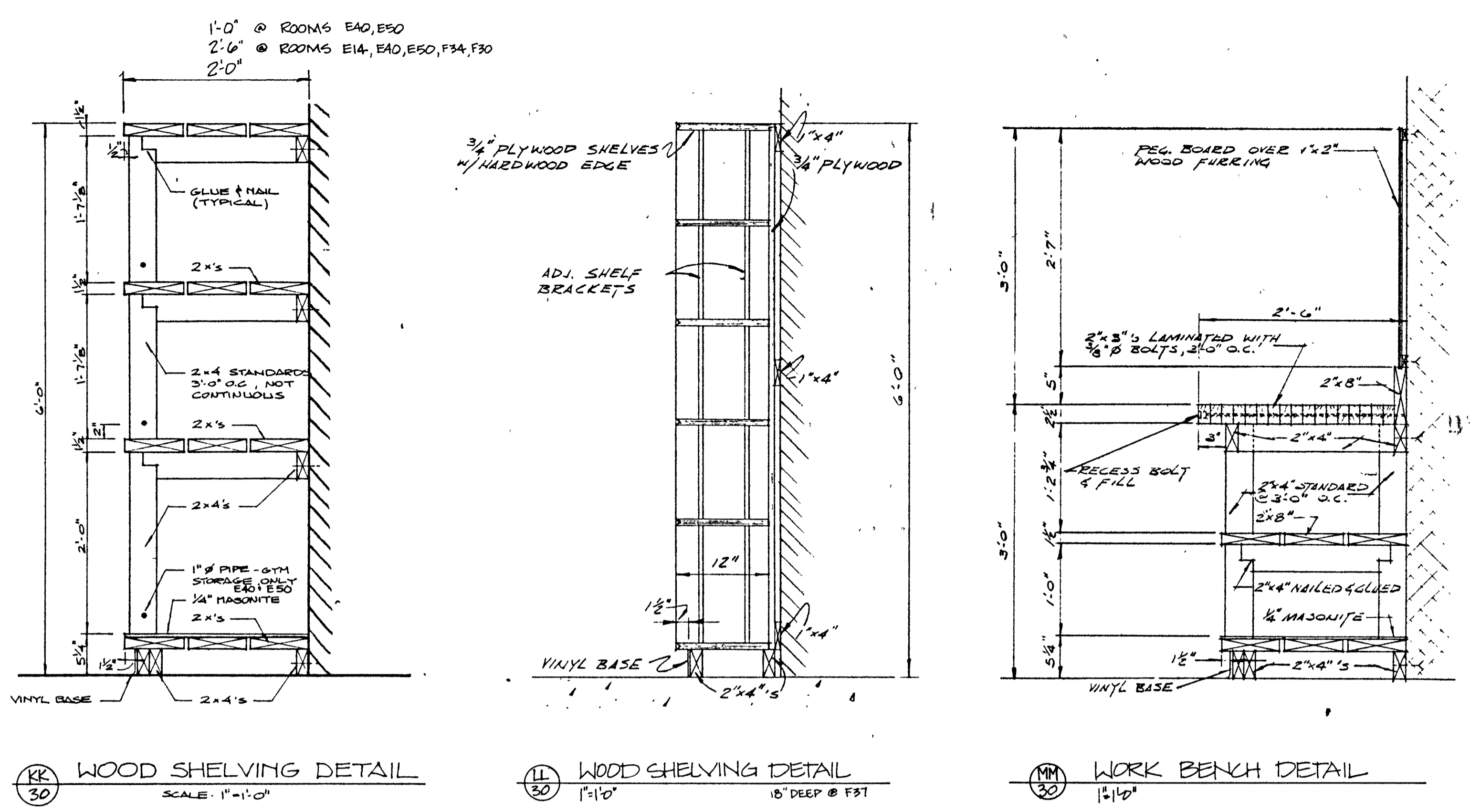
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(K) WOOD SHELVING DETAIL
 SCALE: 1\"/>

(L) WOOD SHELVING DETAIL
 SCALE: 1\"/>

(M) WORK BENCH DETAIL
 SCALE: 1\"/>

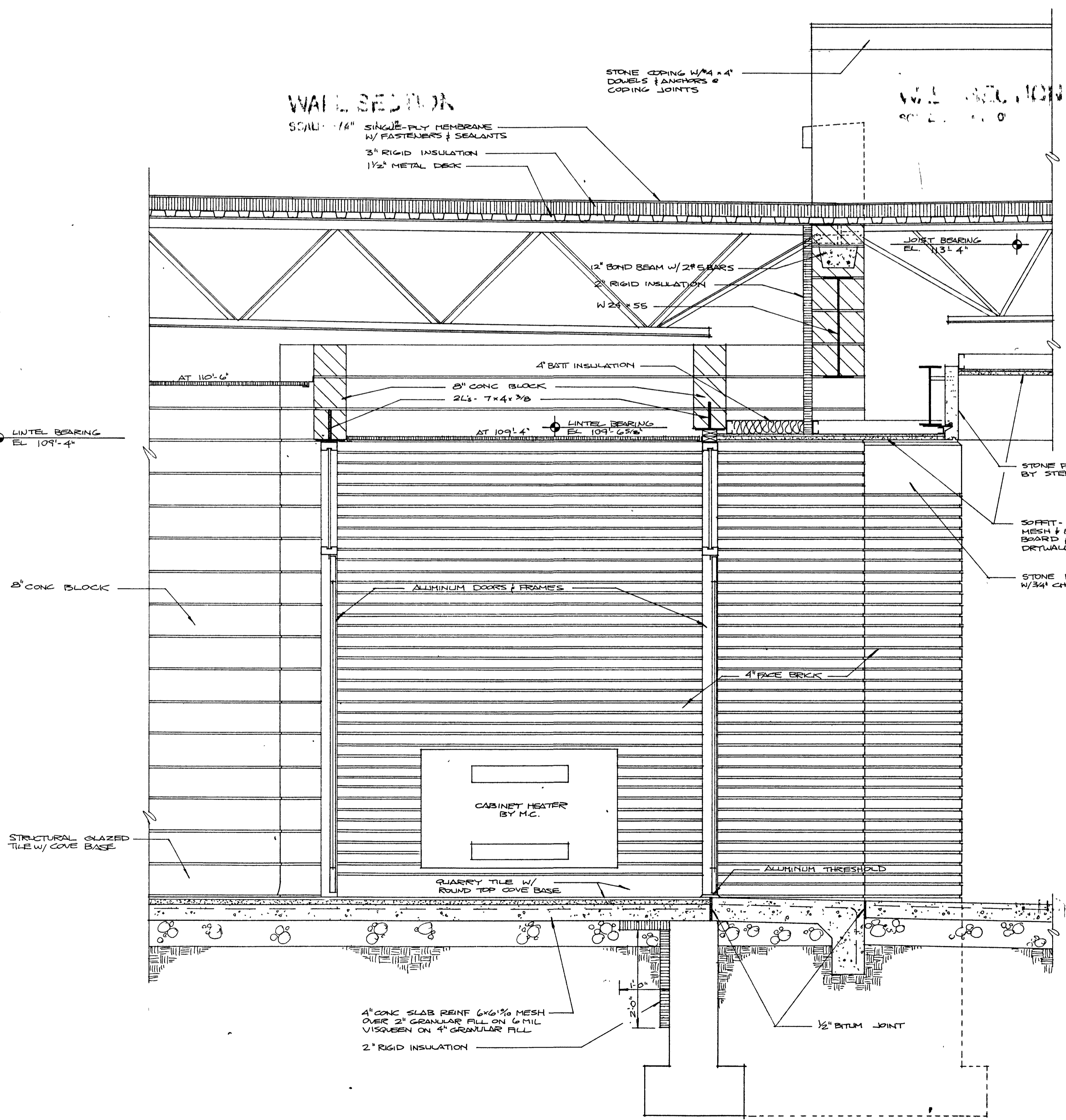
(N) WOOD SHELVING DETAIL
 SCALE: 1\"/>

(O) WOOD SHELVING DETAIL
 SCALE: 1\"/>

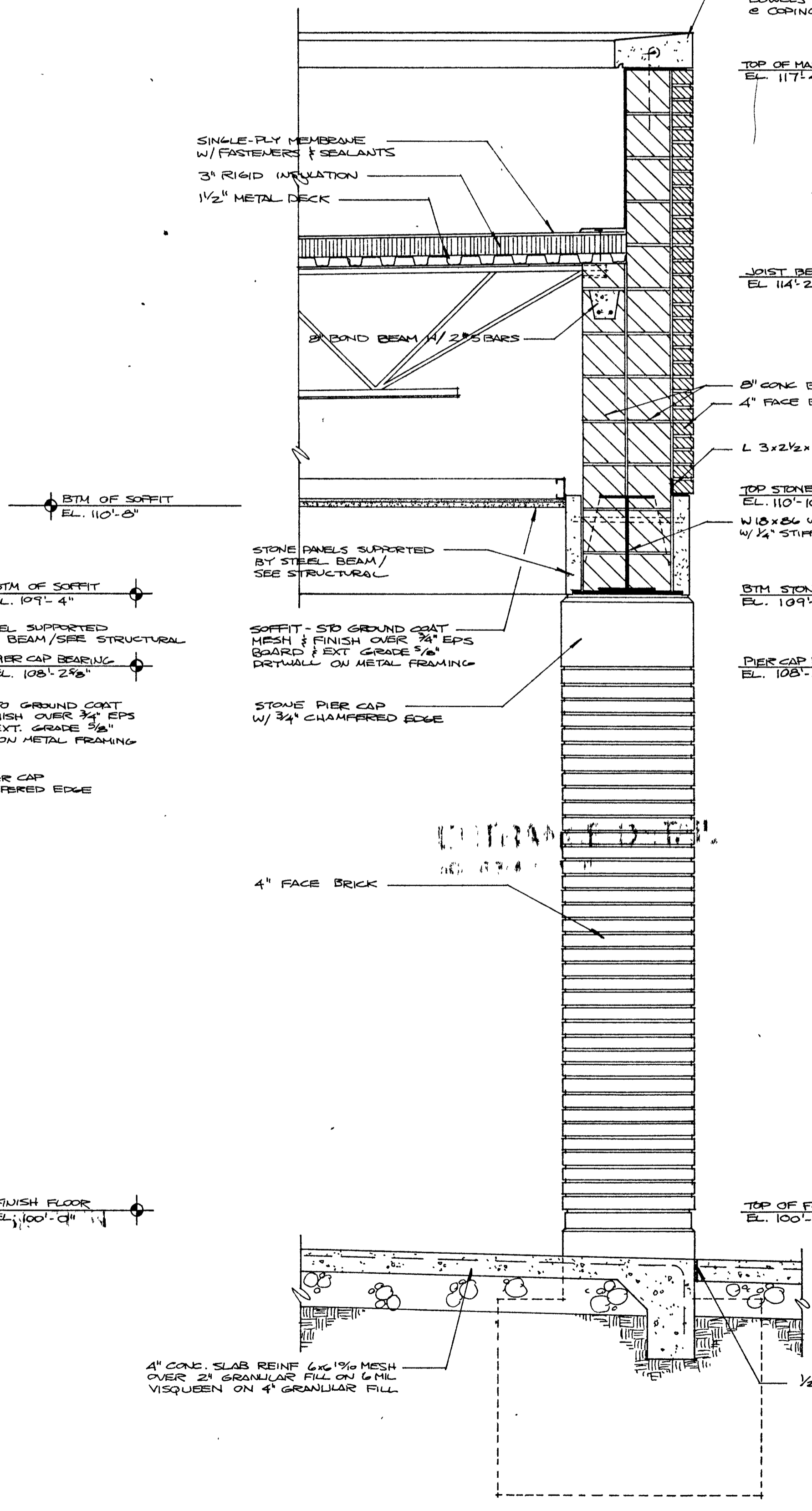
(P) WOOD SHELVING DETAIL
 SCALE: 1\"/>

(O) STORAGE RACK
 SCALE: 3/4\"/>

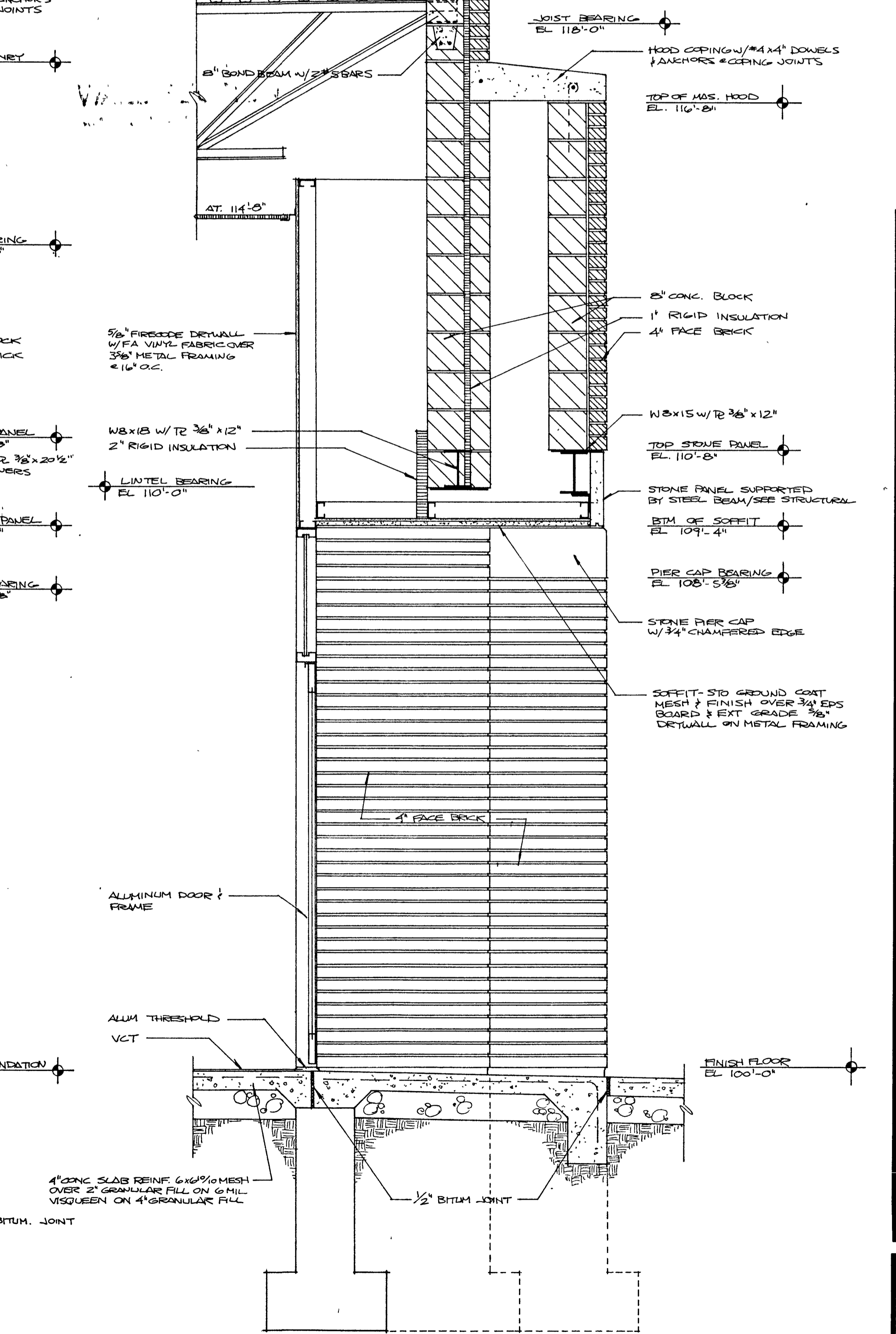
(P) STORAGE RACK
 SCALE: 3/4\"/>



(22) WALL SECTION
 SCALE: 3/4\"/>



(23) WALL SECTION
 SCALE: 3/4\"/>

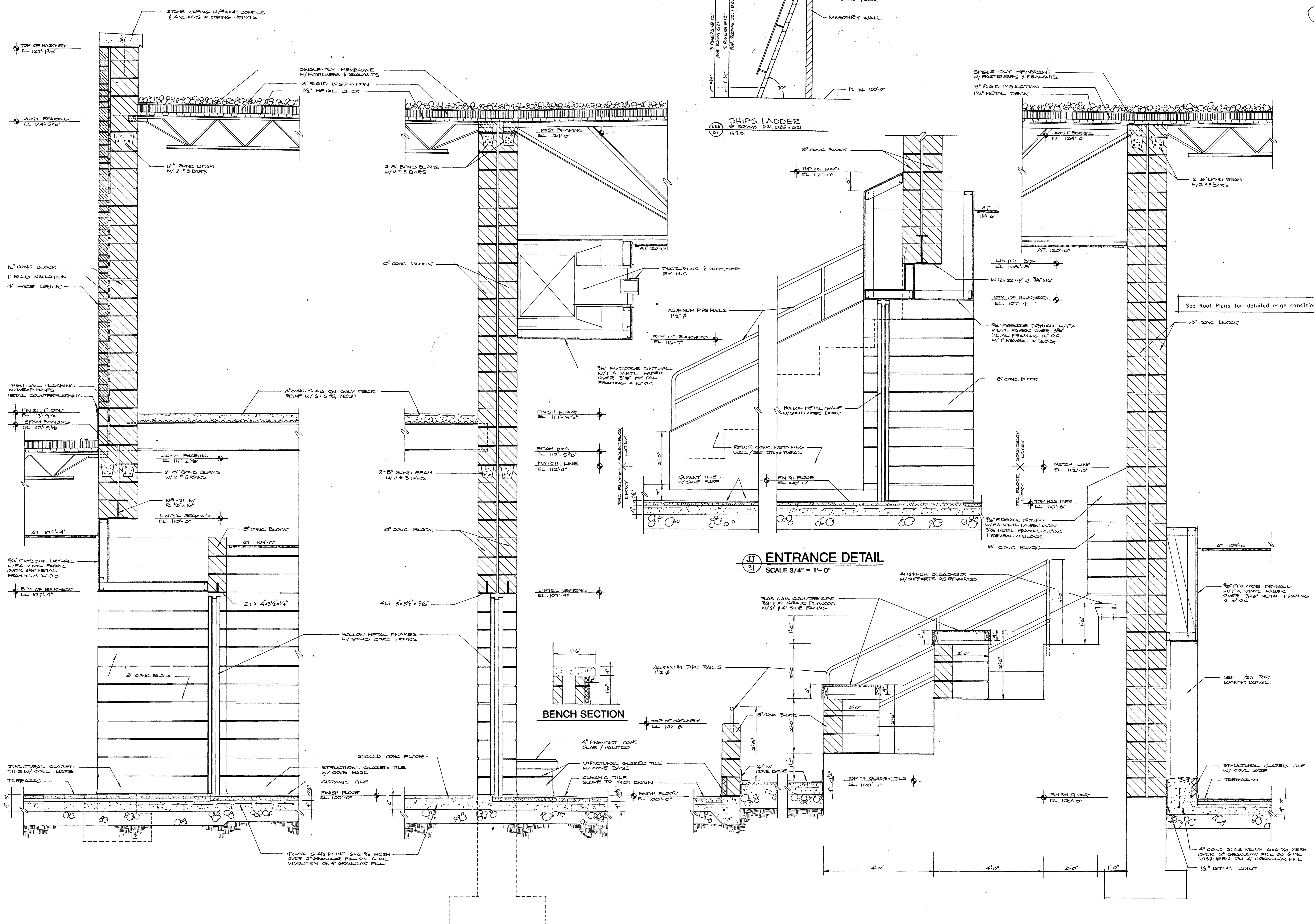
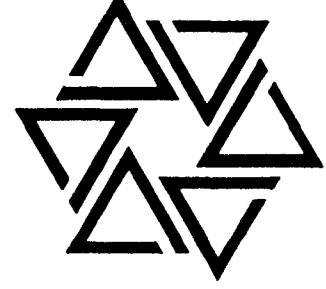


(24) WALL SECTION
 SCALE: 3/4\"/>

See Structural Plans for foundation sizes and reinforcing.

WALL SECTIONS 22 - 24
 SCALE: 3/4\"/>

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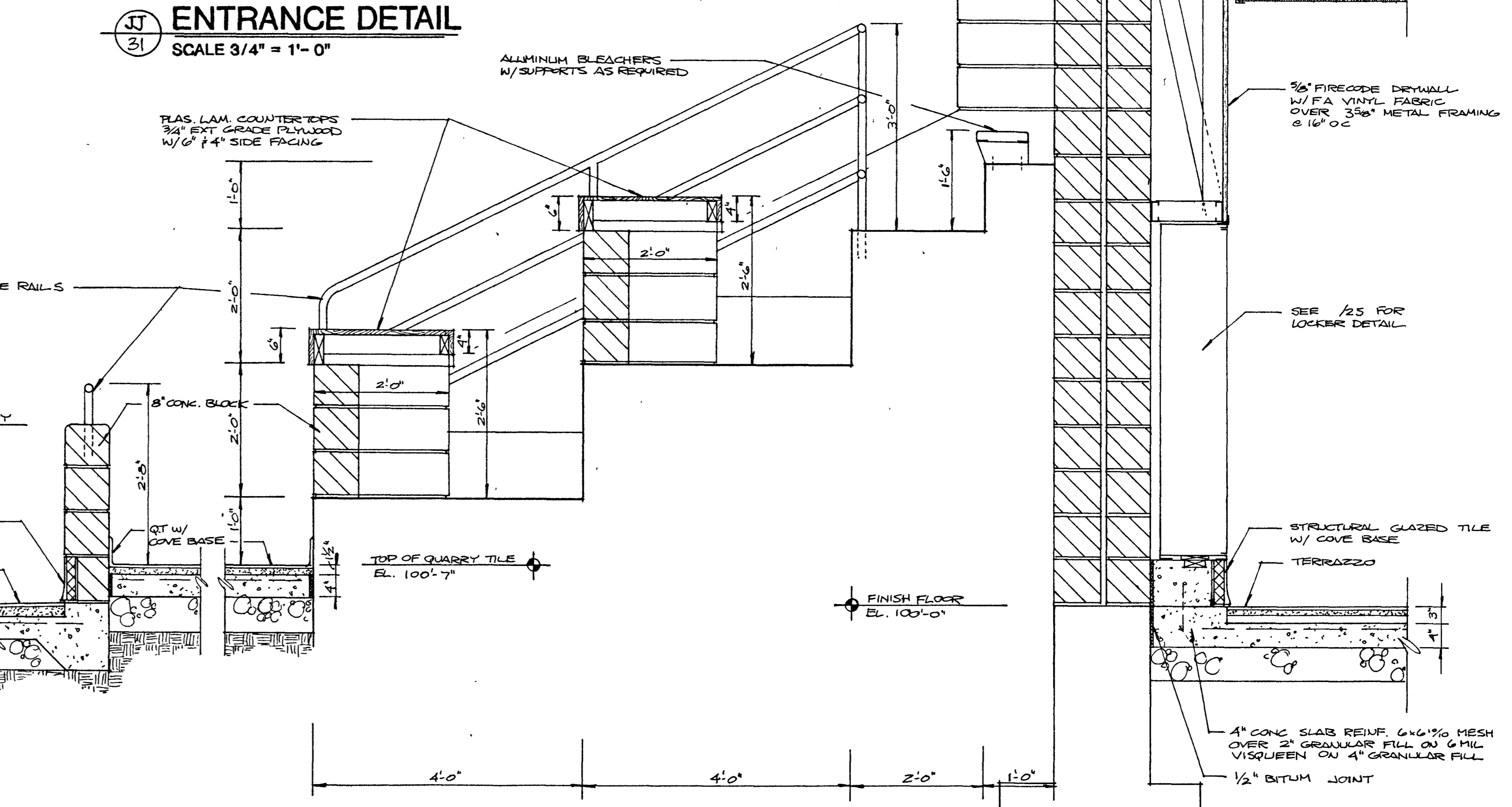
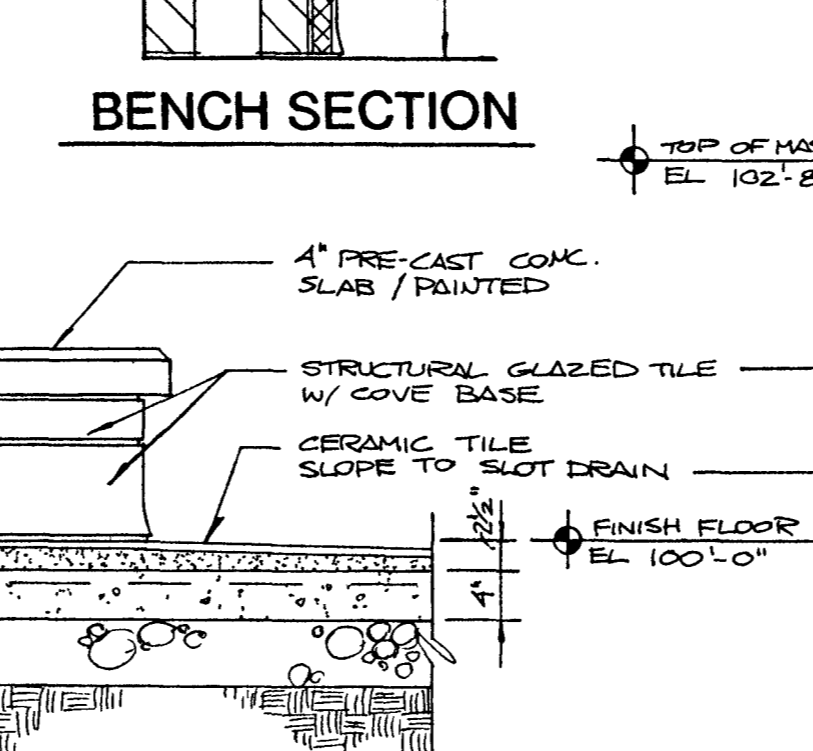
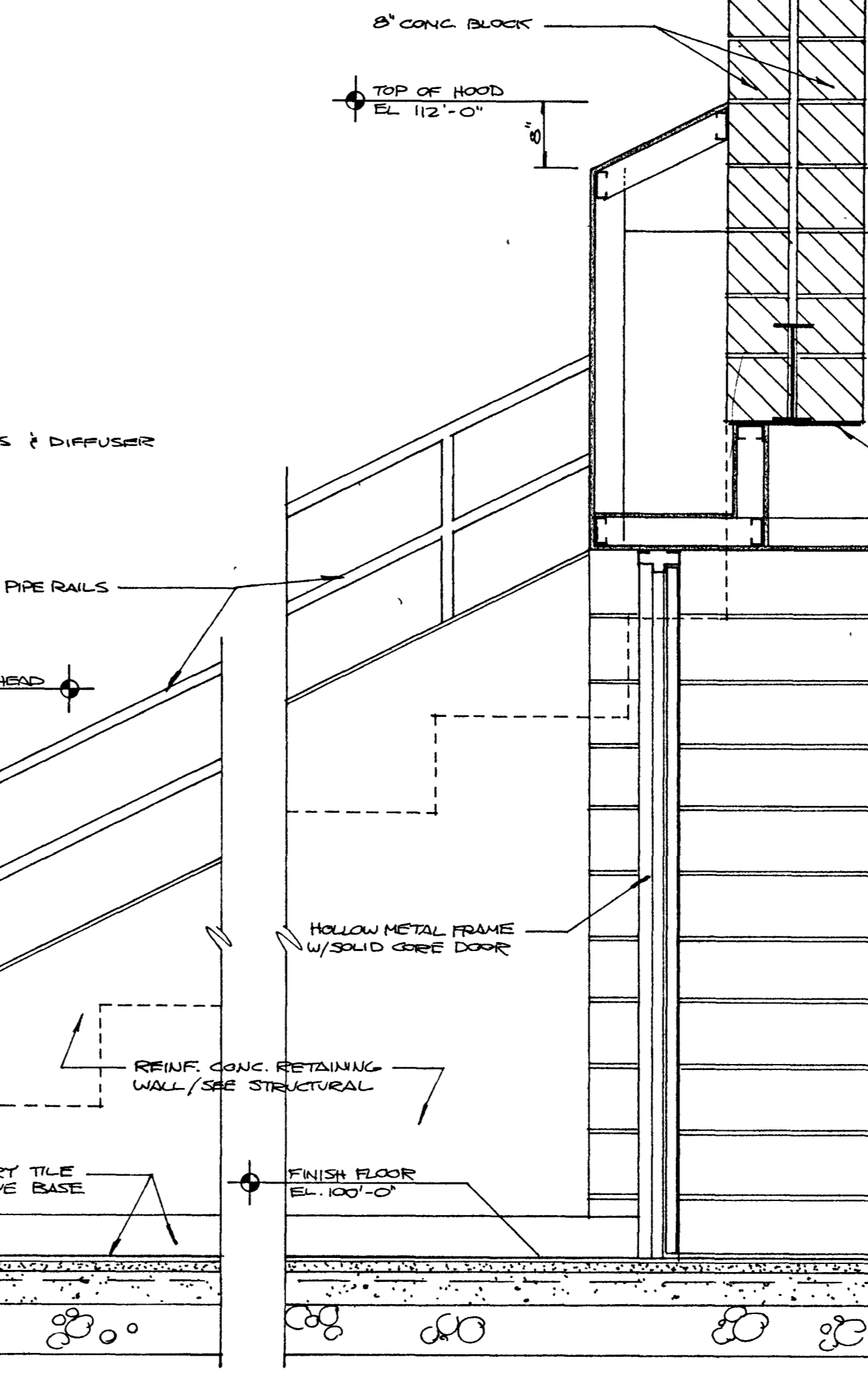
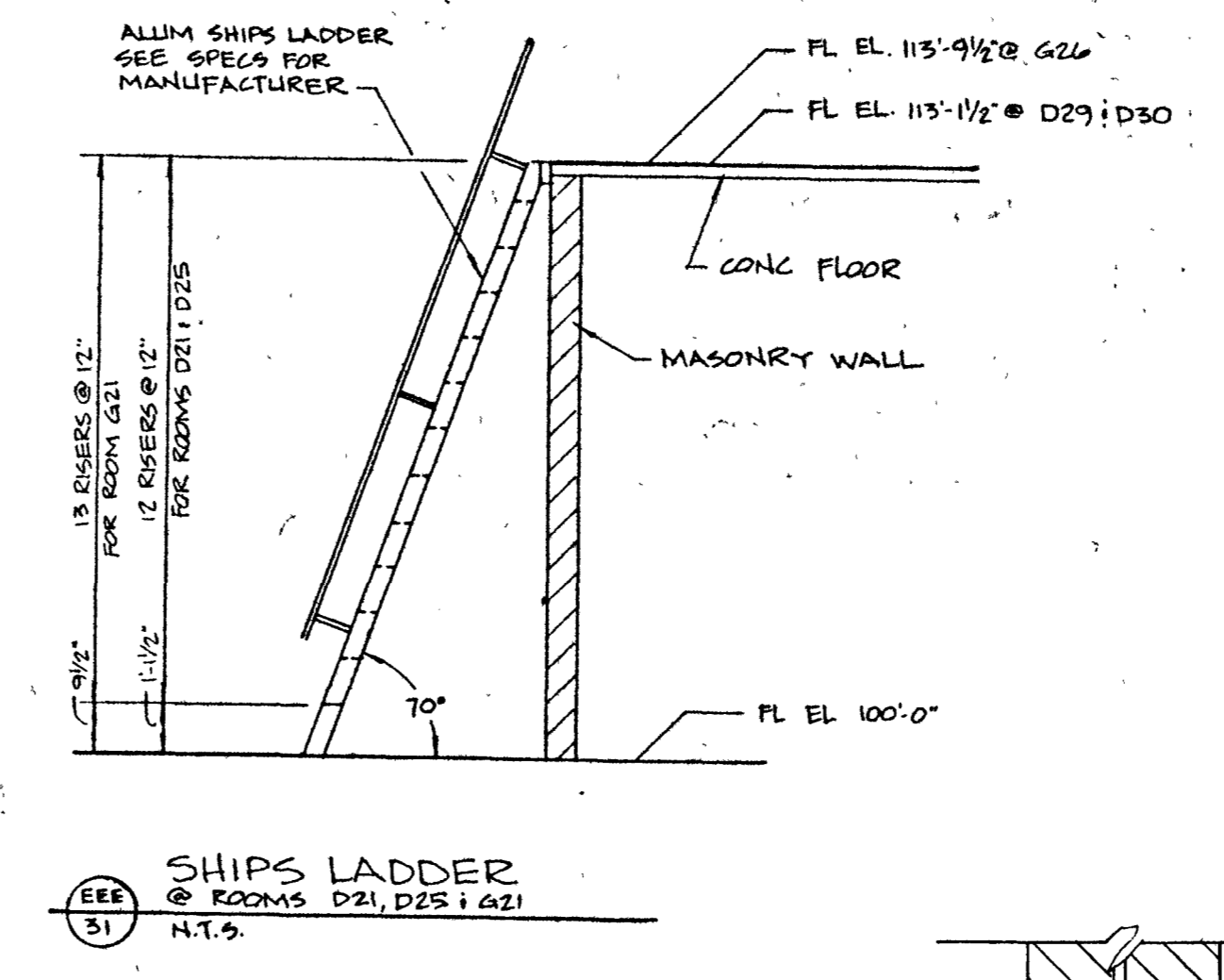
25
31
WALL SECTION
SCALE: 3/4" = 1'-0"

26
31
WALL SECTION
SCALE: 3/4" = 1'-0"

27
31
WALL SECTION
SCALE: 3/4" = 1'-0"

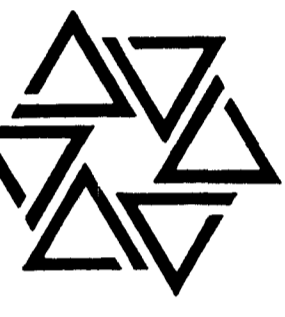
See Structural Plans for foundation sizes and reinforcing.

WALL SECTIONS 25 - 27
SCALE: 3/4" = 1'-0"





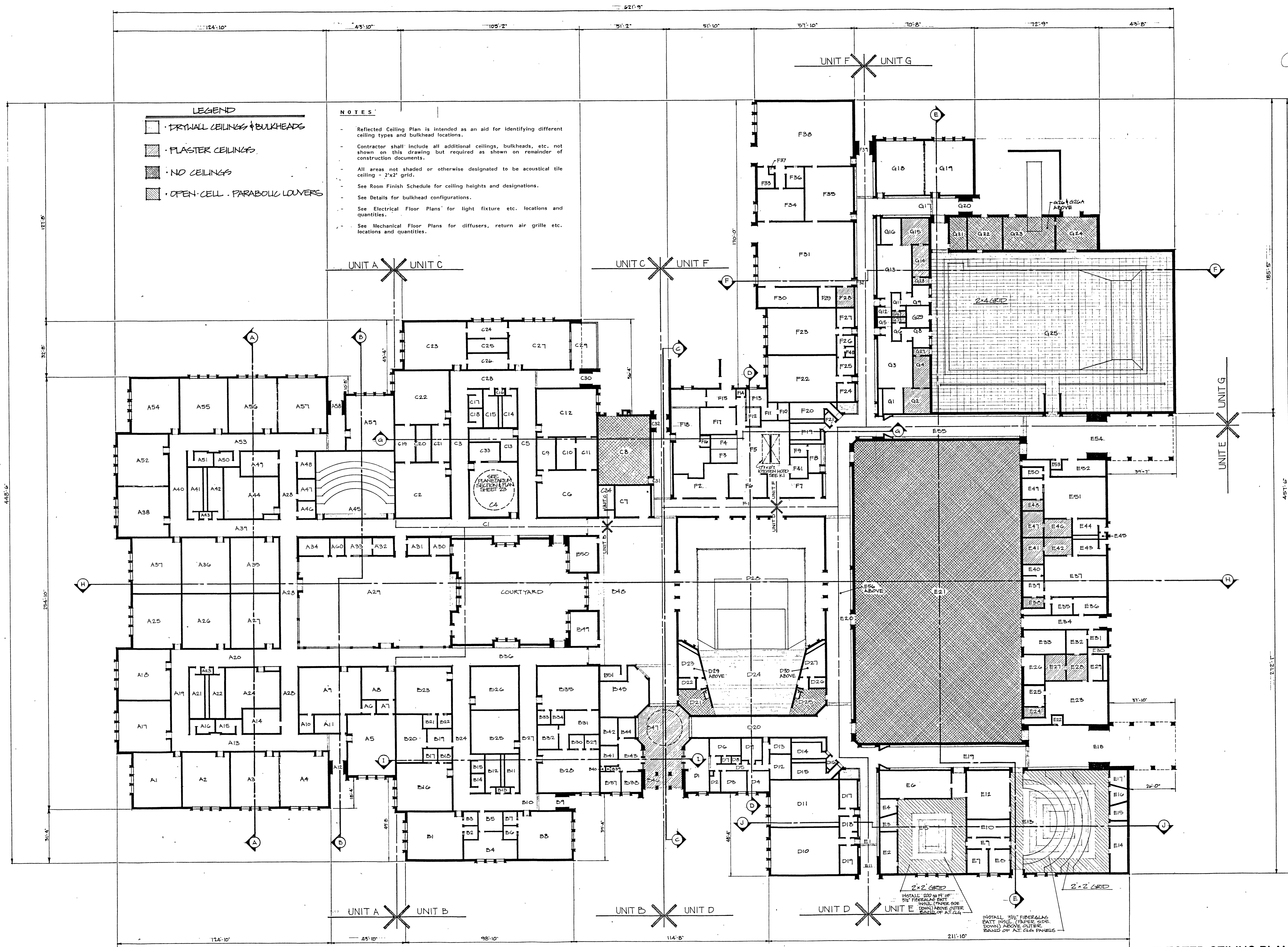
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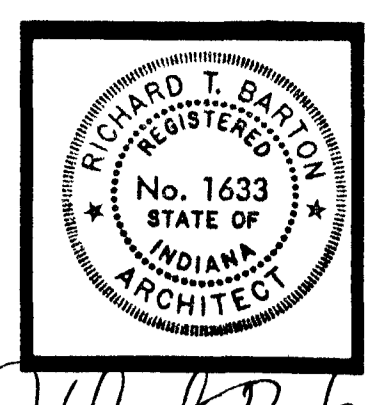
32



- LEGEND**
- DRYWALL CEILING & BULKHEADS
 - PLASTER CEILING
 - NO CEILING
 - OPEN CELL PARABOLIC LOUVERS

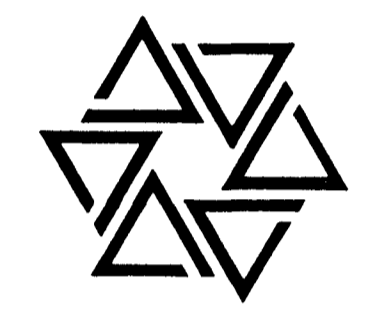
- NOTES**
- Reflected Ceiling Plan is intended as an aid for identifying different ceiling types and bulkhead locations.
 - Contractor shall include all additional ceilings, bulkheads, etc. not shown on this drawing but required as shown on remainder of construction documents.
 - All areas not shaded or otherwise designated to be acoustical tile ceiling - 2'x2' grid.
 - See Room Finish Schedule for ceiling heights and designations.
 - See Details for bulkhead configurations.
 - See Electrical Floor Plans for light fixture etc. locations and quantities.
 - See Mechanical Floor Plans for diffusers, return air grille etc. locations and quantities.

REFLECTED CEILING PLAN
 SCALE 1" = 20'-0"



Edmund Ryan

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Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 1-100.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 101-200.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 201-300.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 301-400.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 401-500.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 501-600.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 601-700.

Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 701-800.

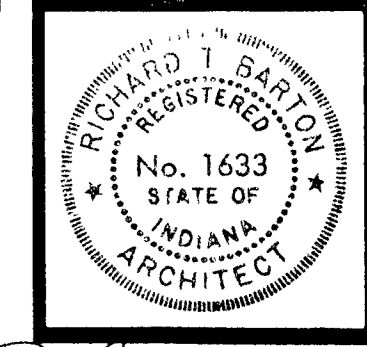
Table with 8 columns: UNIT #, ROOM, BASE, FLOOR, WALLS, WAINSCOT, HGT, CEILING, HGT, REMARKS. Rows 801-900.

ROOM FINISH REMARKS

- Field apply vinyl fabric to drywall bulkhead.
- Paint joists, deck, wall, etc. above ceiling block.
- Acoustical panel system on walls, as shown.
- Carpet bench as detailed.
- Epoxy wood shelving.
- Install sound barrier batts above ceiling.
- Install 4" VIN base to toe space of cabinetry.
- Epoxy wall between counter top backplash and wall cabinet.
- Paint drywall band above bookshelves.
- SGT below bench as detailed.
- Apply thin coat of plaster to block walls prior to installing carpet.
- SGT below bench with epoxy on concrete seat as detailed.
- Paint all steel joists, deck, conduit, ducts, etc.
- Stripe floor as shown and specified.
- Color seal floors as specified.
- Paint drywall band above entrances.

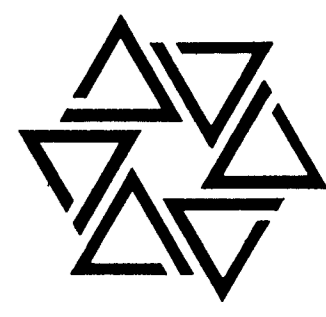
GENERAL NOTES

- All field applied vinyl fabric shall be installed by Painting Contractor.
- All metal stud/drywall partitions shall have sound barrier batts in full stud space.



W. Barto

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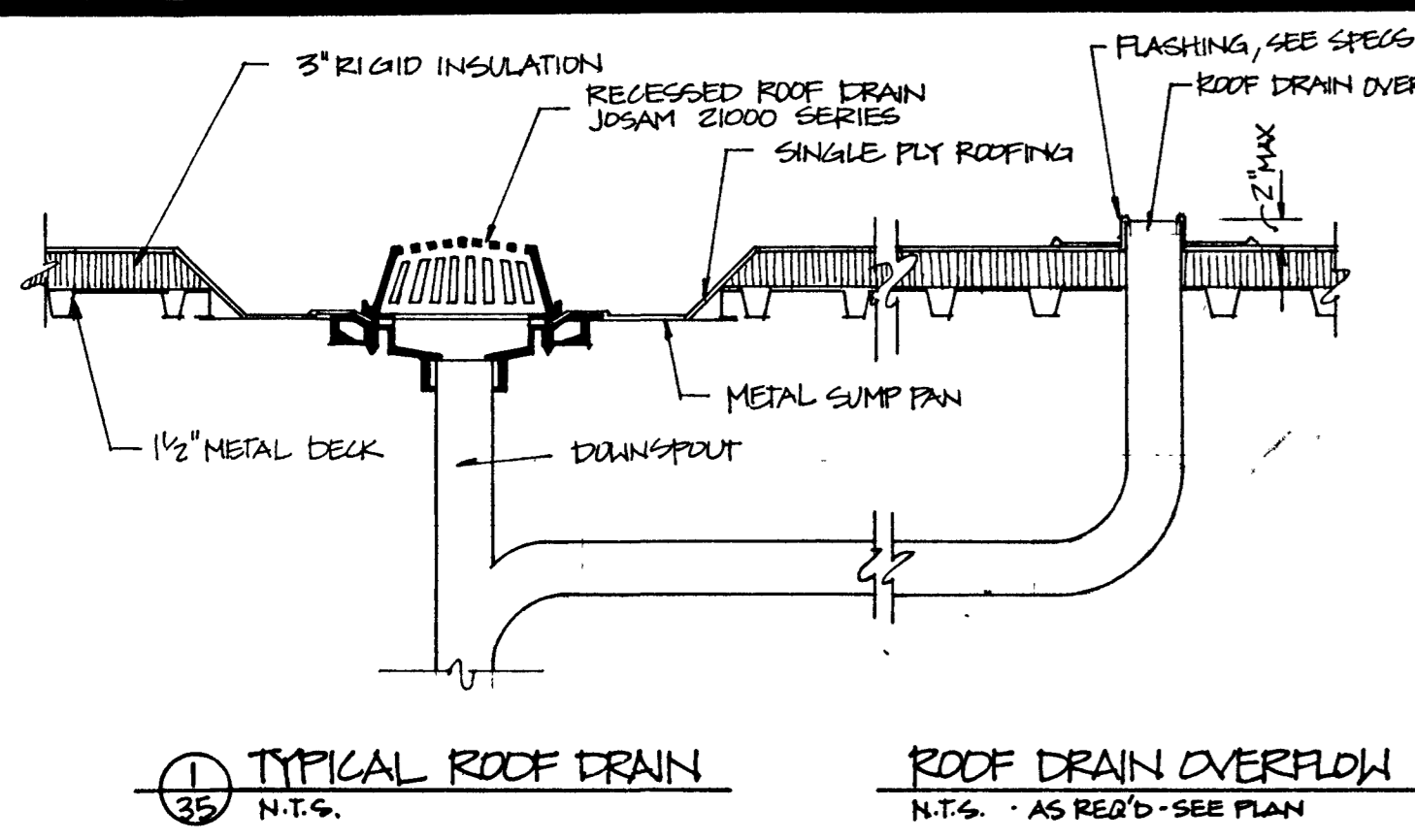
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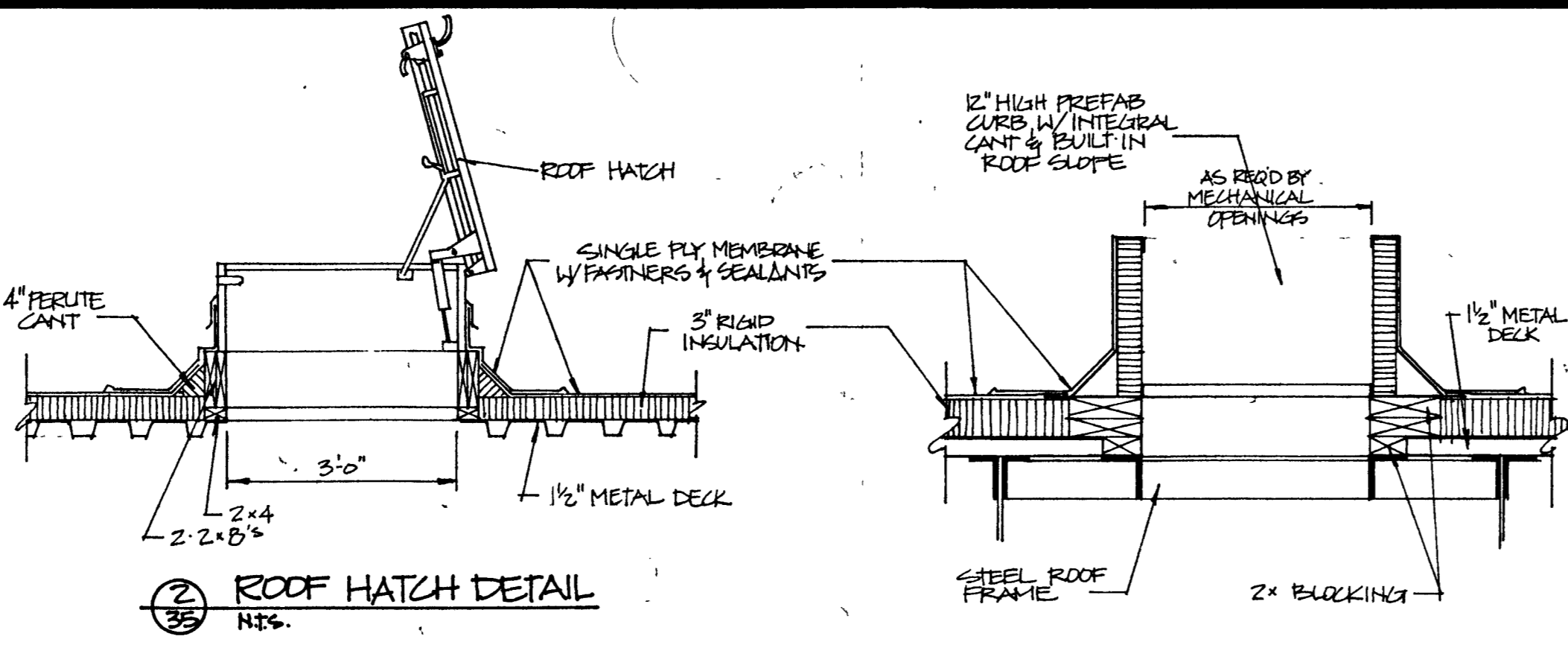
ROOF NOTES

Saddles and crickets slope at 1/2" / 1'-0"
Provide any additional blocking required to facilitate installation as required by the Roofing Manufacturer specified.
For additional details (flashings, splices, expansion joints, terminations, etc.) See Roofing Manufacturer specified.

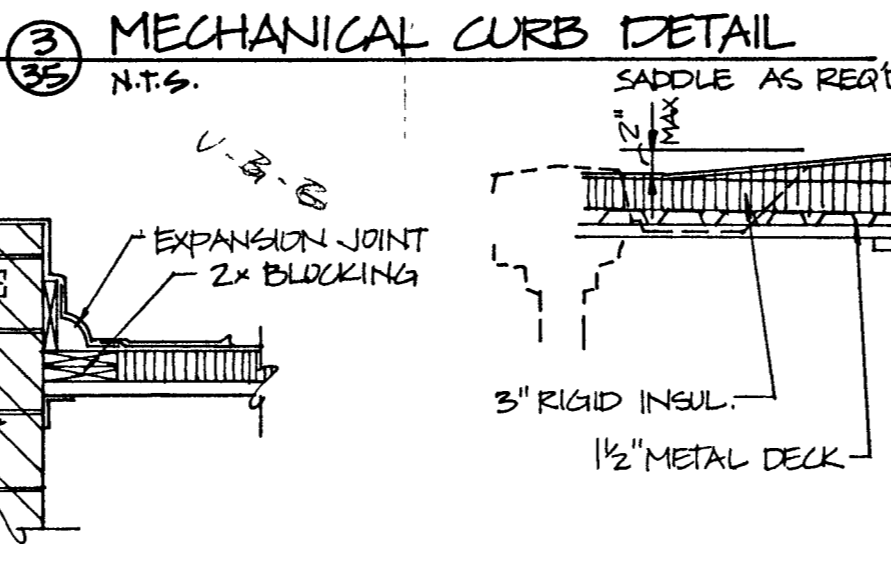


1 TYPICAL ROOF DRAIN N.T.S.

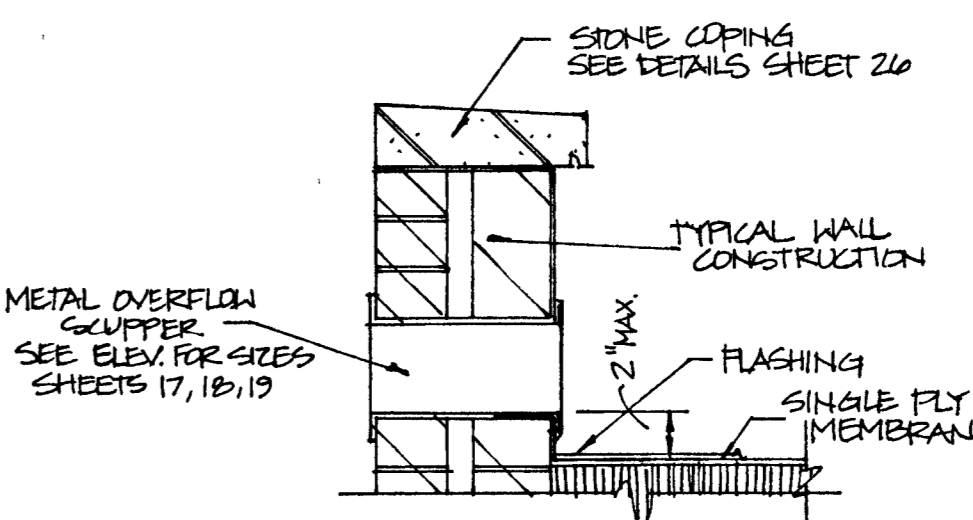
2 ROOF DRAIN OVERFLOW N.T.S. - AS REQ'D - SEE PLAN



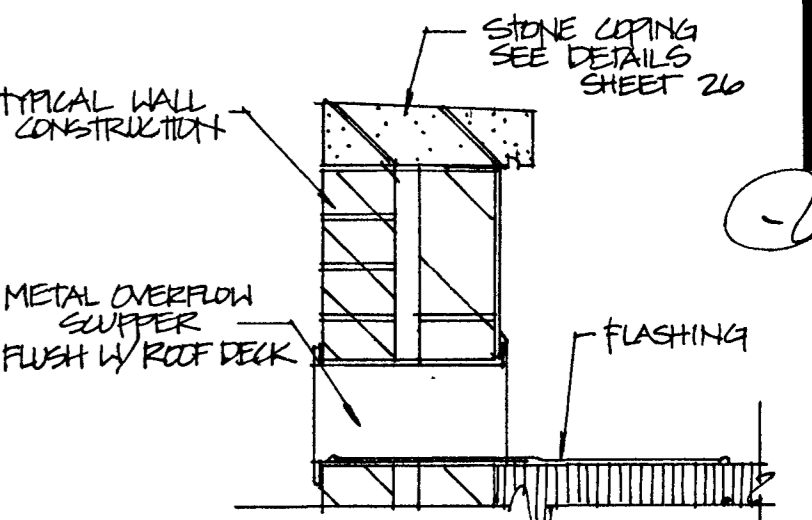
3 ROOF HATCH DETAIL N.T.S.



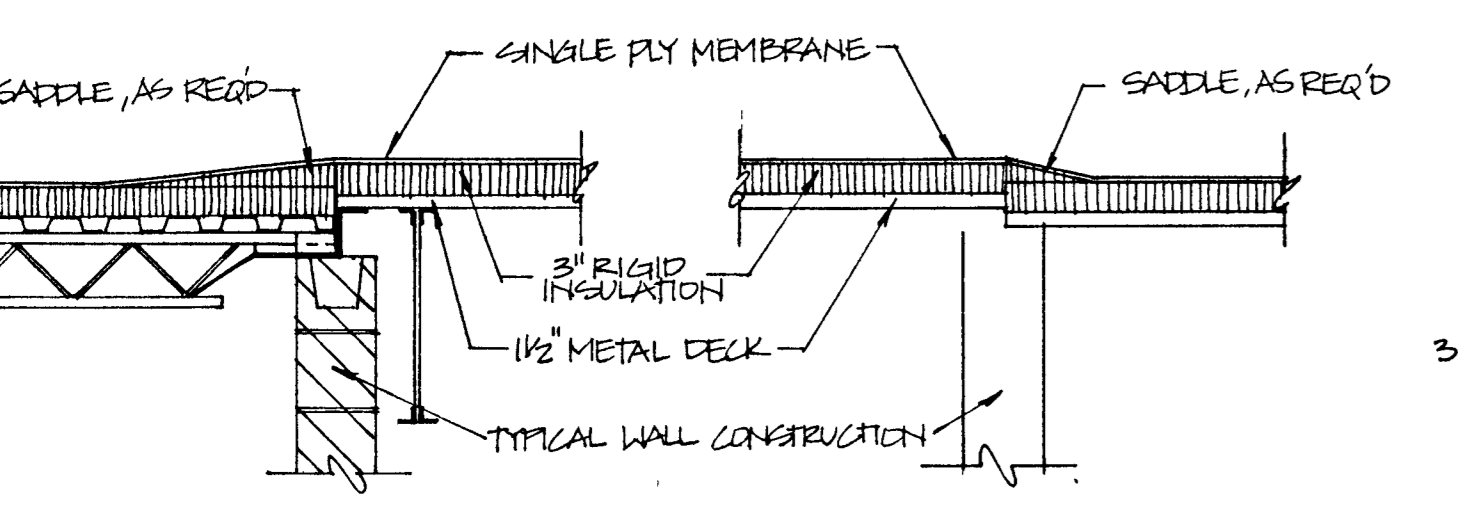
4 MECHANICAL CURB DETAIL N.T.S.



5 SCUPPER DETAIL N.T.S. NEAR ROOF DRAINS

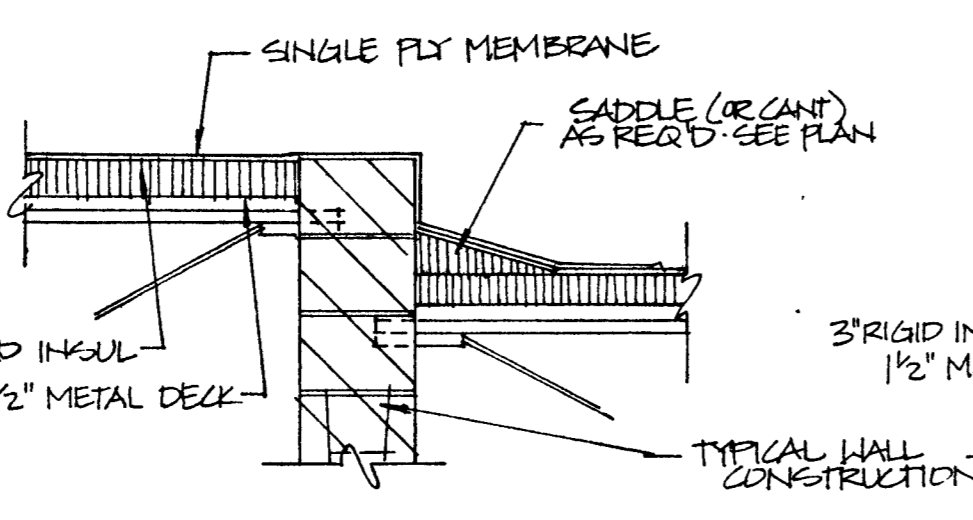


6 SCUPPER DETAIL N.T.S.

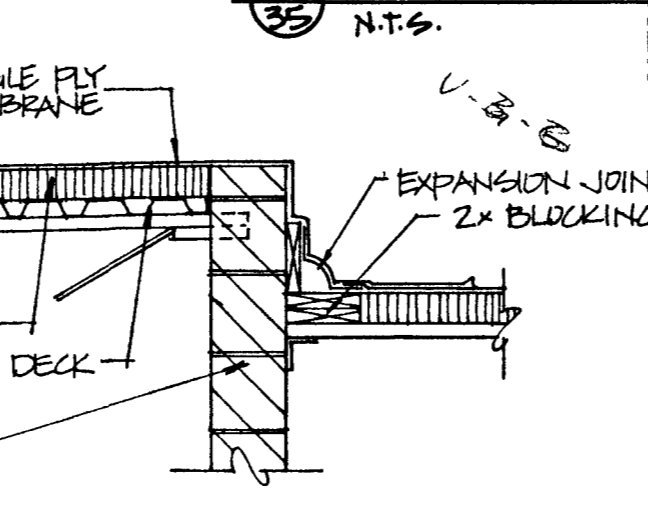


7 ROOF DETAIL N.T.S.

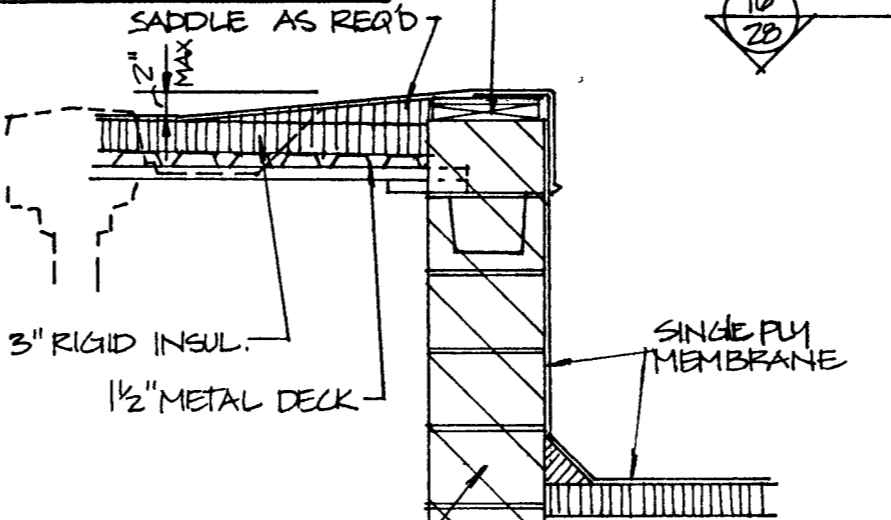
8 ROOF DETAIL N.T.S.



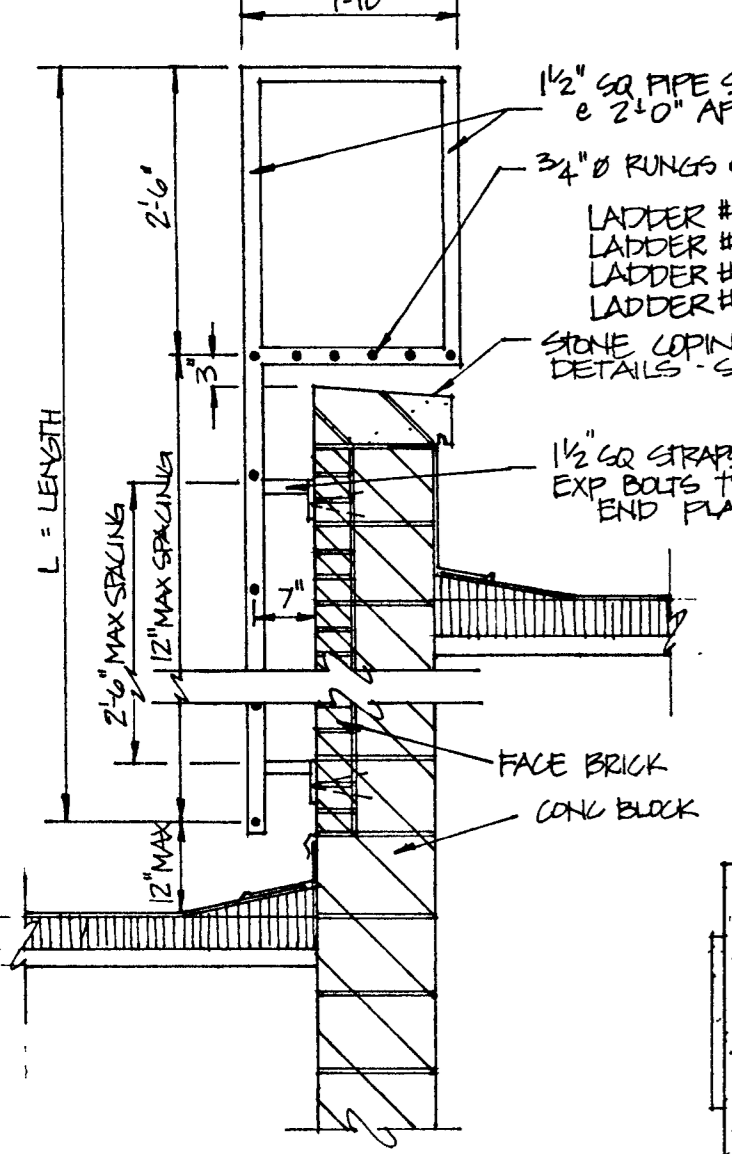
9 ROOF DETAIL N.T.S.



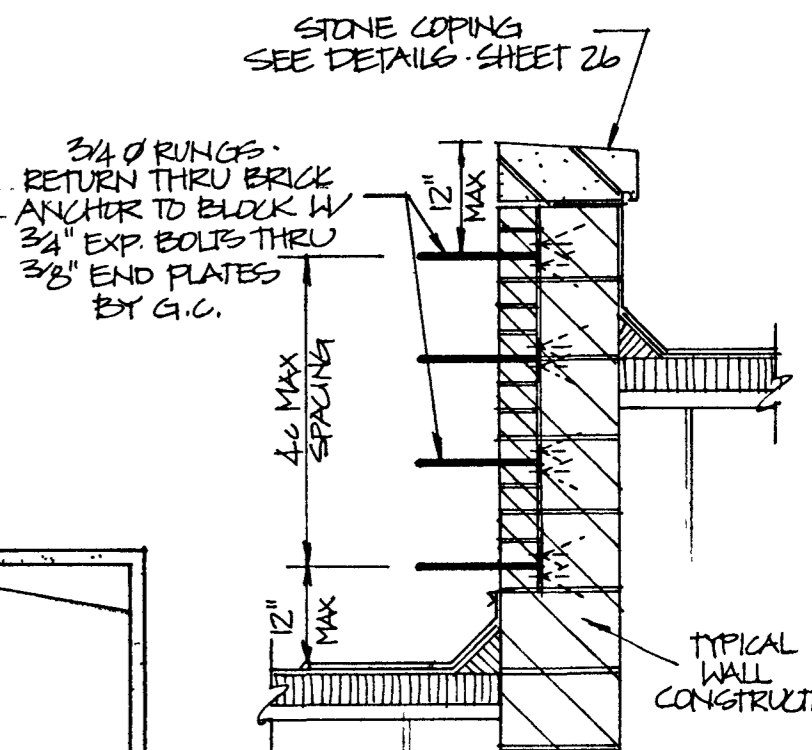
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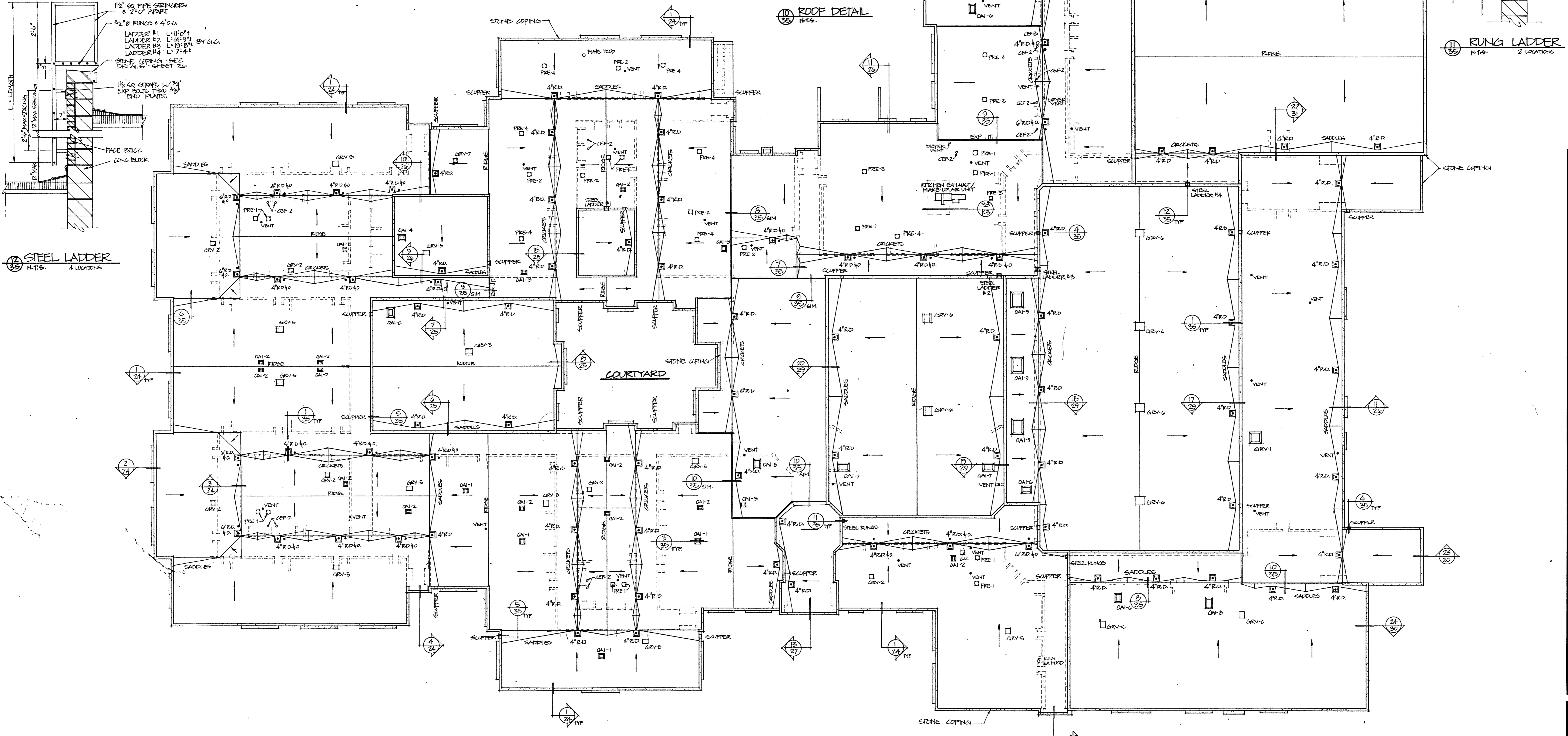
11 ROOF DETAIL N.T.S.



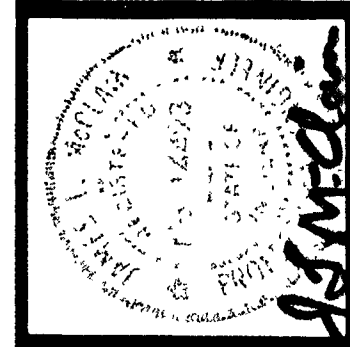
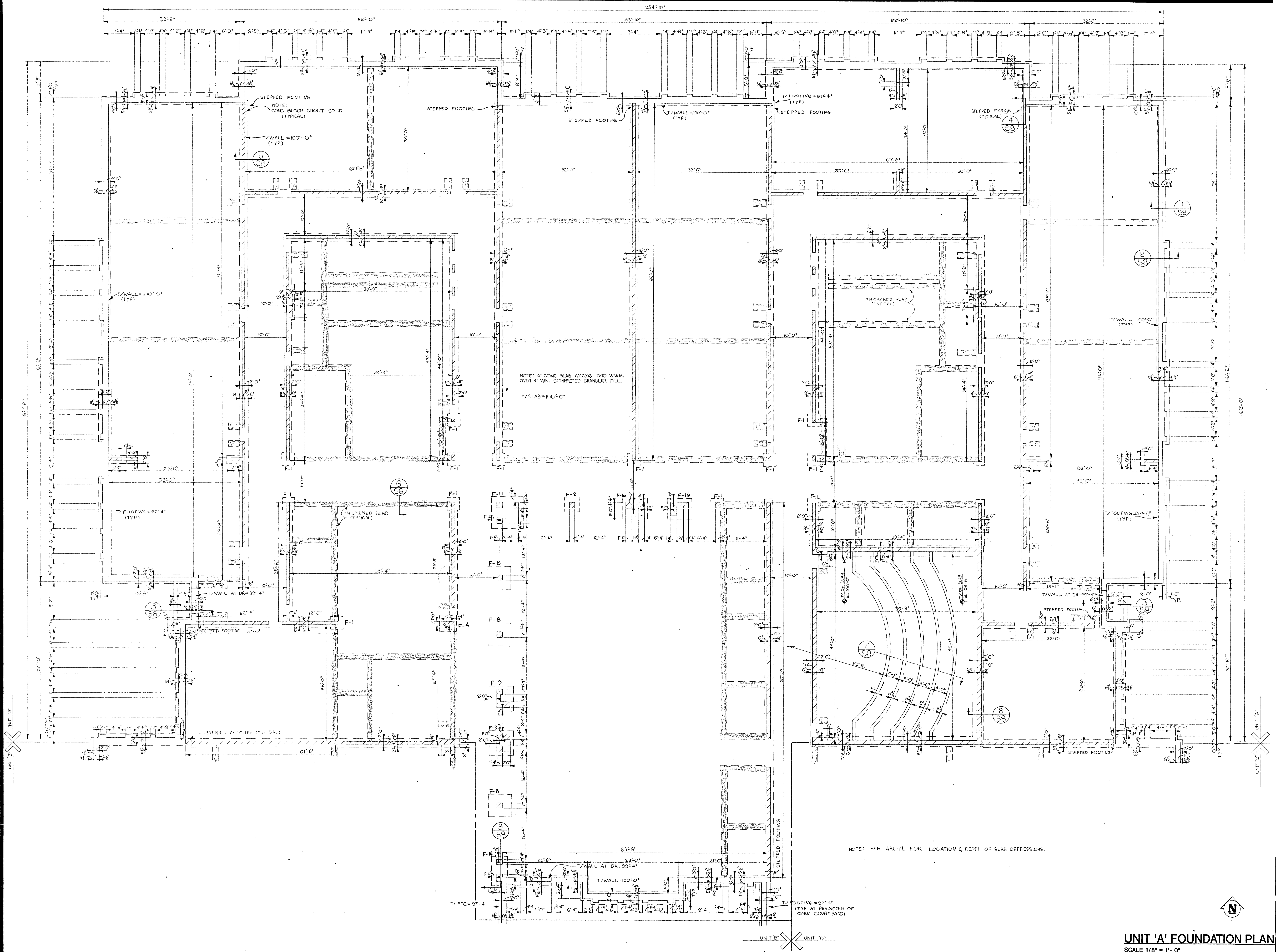
12 STEEL LADDER 4 LOCATIONS N.T.S.



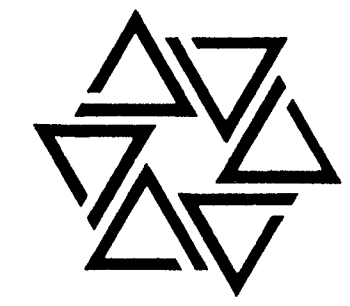
13 RUNG LADDER 2 LOCATIONS N.T.S.



ROOF PLAN
SCALE: 1" = 20'-0"



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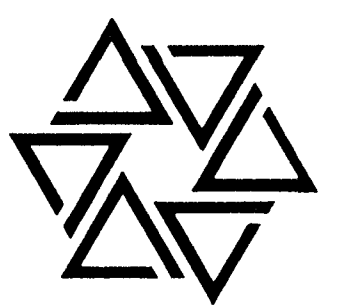
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UNIT 'A' FOUNDATION PLAN
 SCALE 1/8" = 1'-0"



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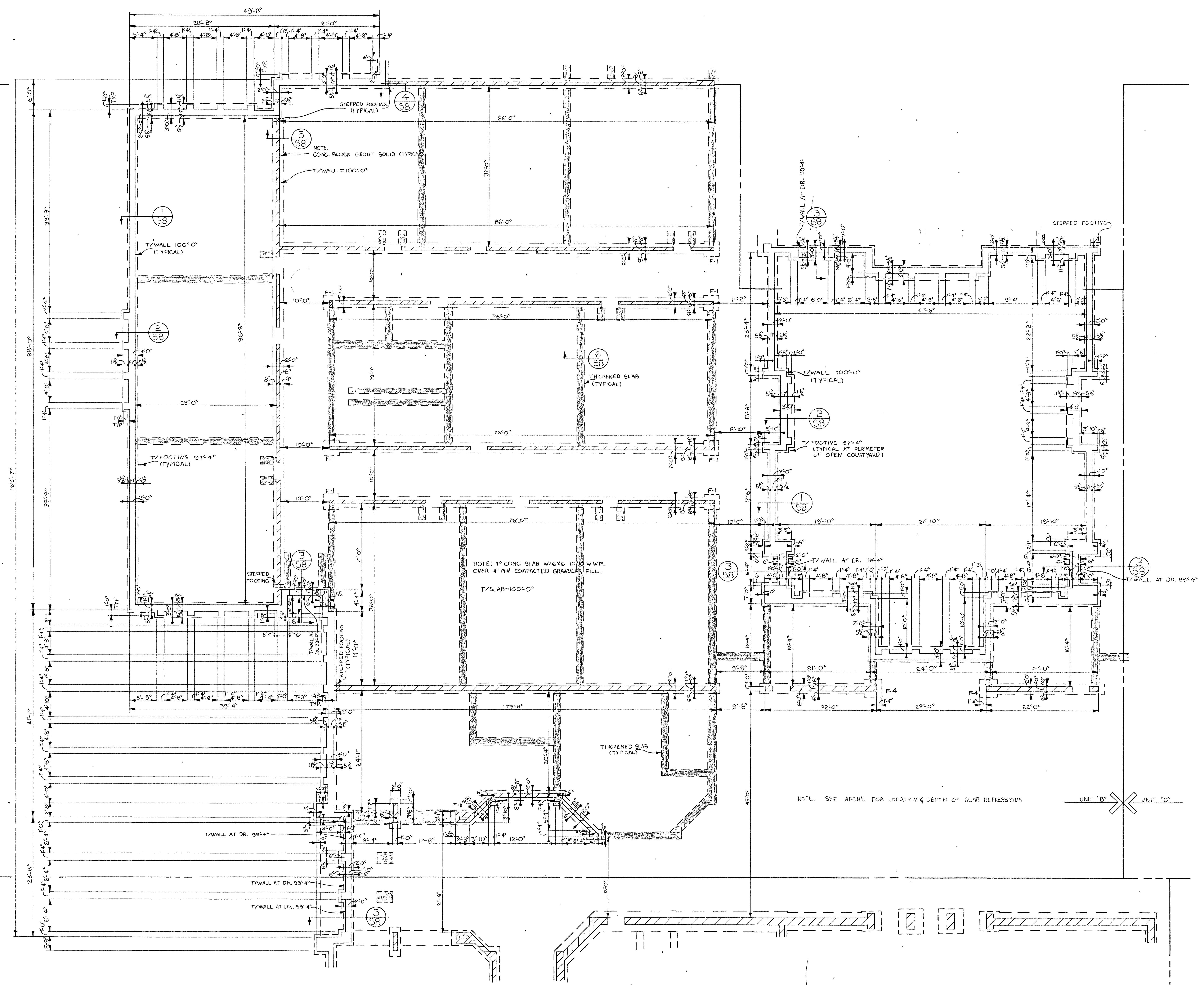
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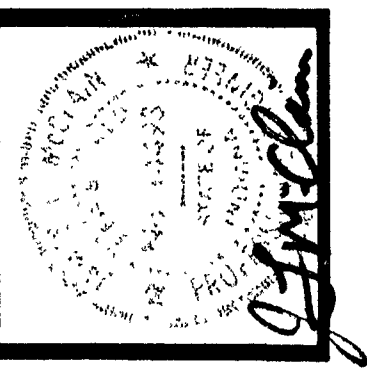
UNIT 'A'

UNIT 'B'

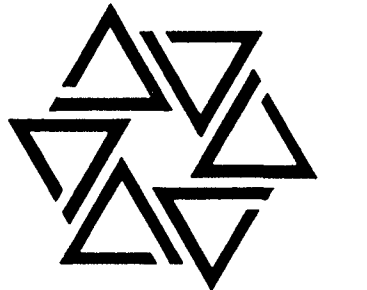
UNIT 'B' UNIT 'C'



UNIT 'B' FOUNDATION PLAN
 SCALE 1/8" = 1'-0"



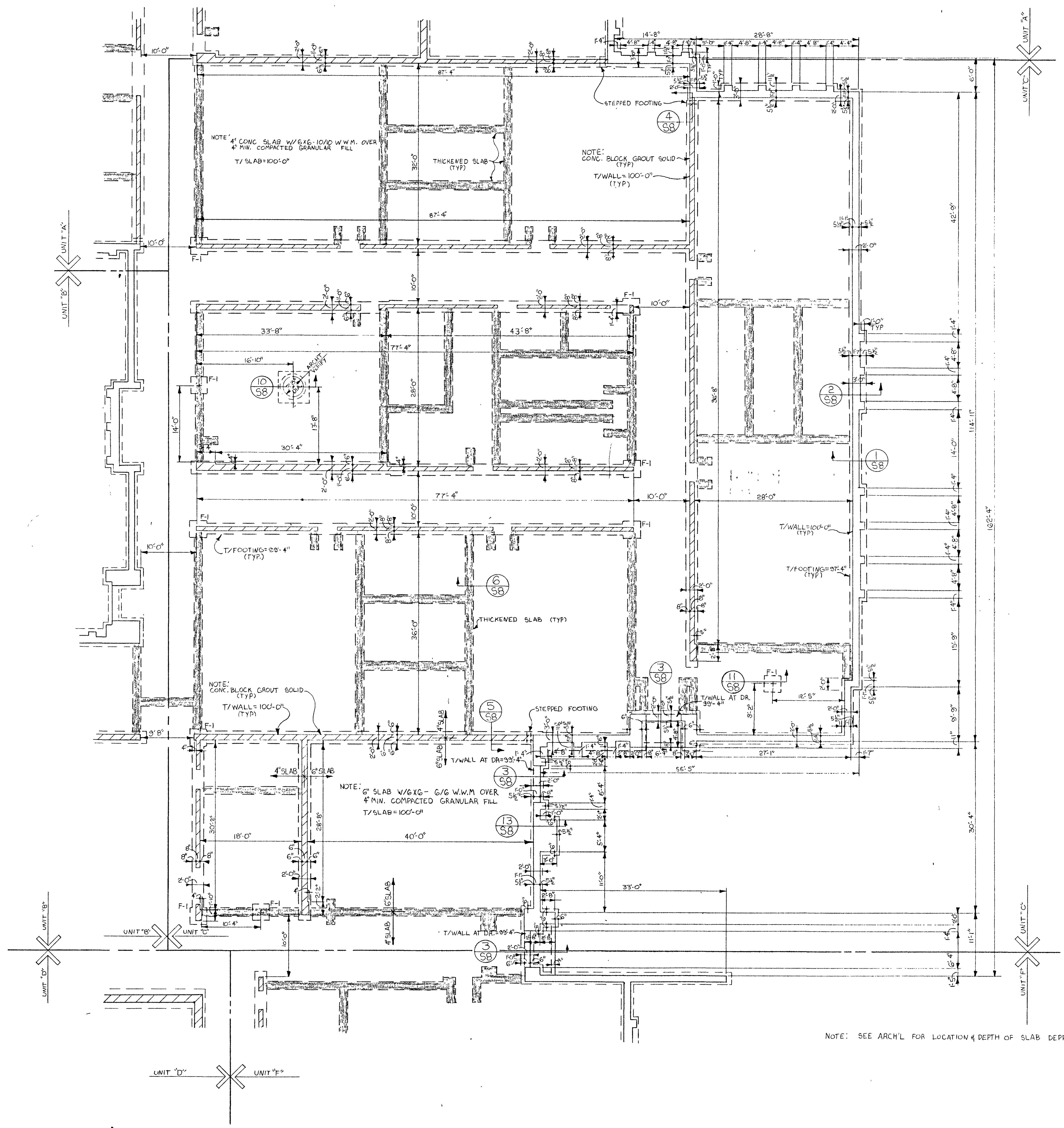
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WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA

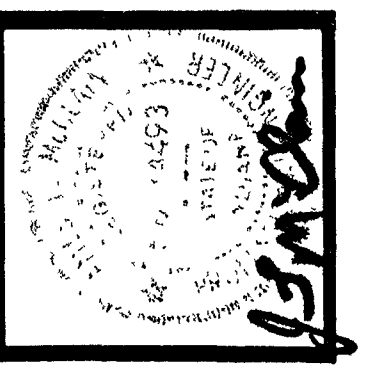
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S3

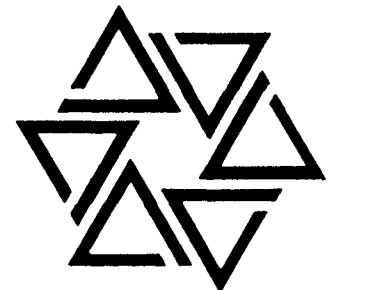


NOTE: SEE ARCH'L FOR LOCATION & DEPTH OF SLAB DEPRESSIONS.

UNIT 'C' FOUNDATION PLAN
 SCALE 1/8" = 1'-0"



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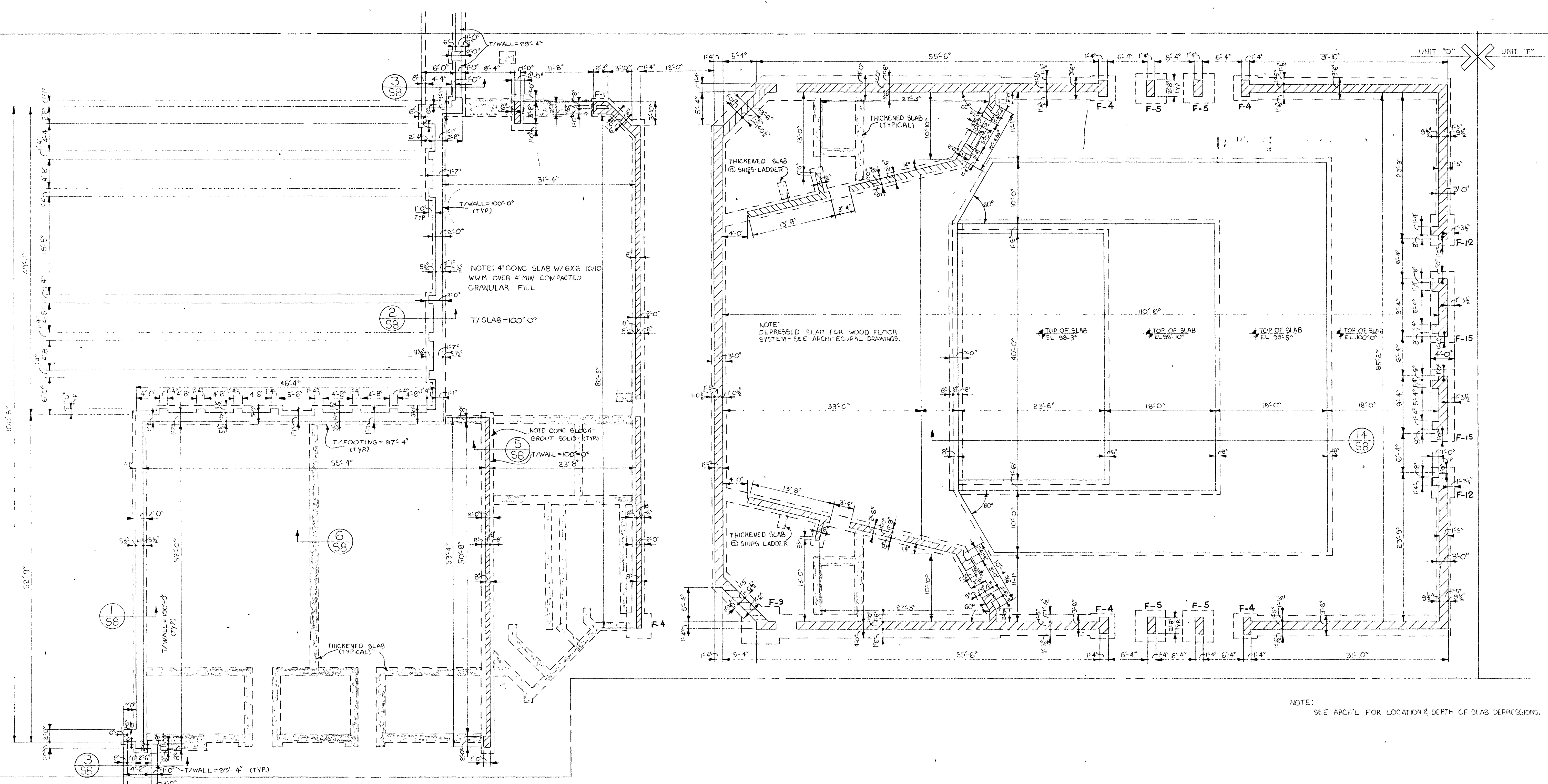
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S4

UNIT 'D'

UNIT 'D'

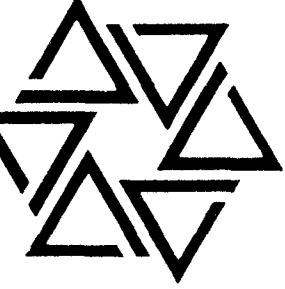


NOTE:
 SEE ARCH'L FOR LOCATION & DEPTH OF SLAB DEPRESSIONS.

UNIT 'D' FOUNDATION PLAN
 SCALE 1/8" = 1'-0"



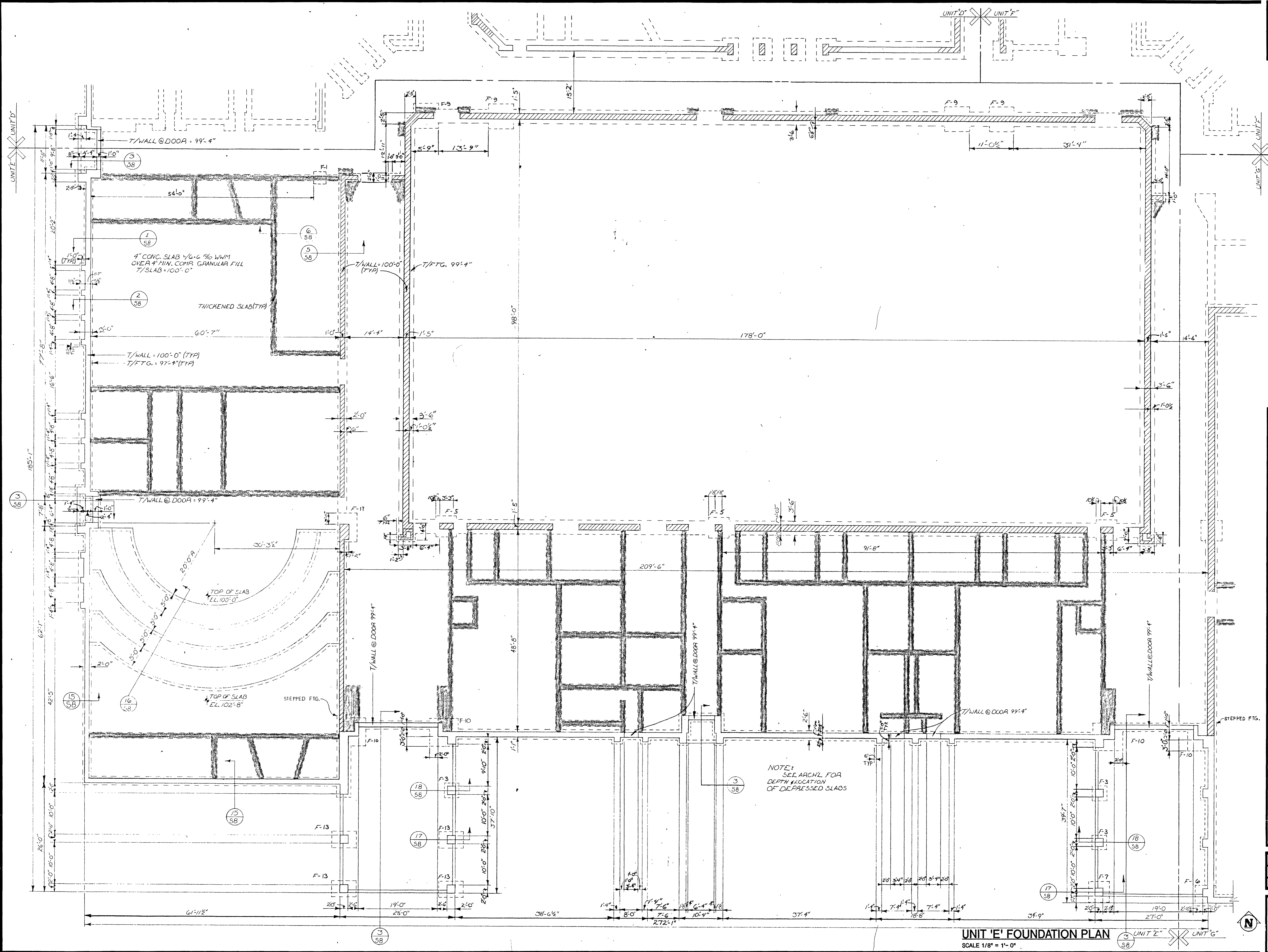
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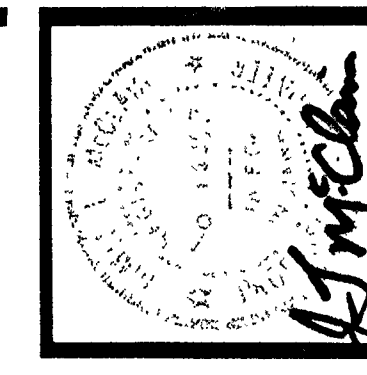
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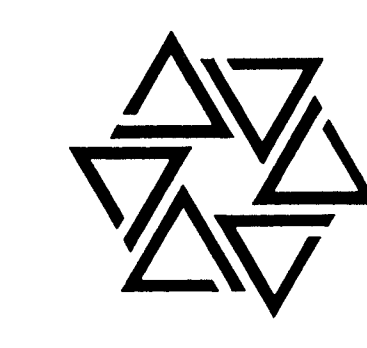
S5



UNIT 'E' FOUNDATION PLAN
SCALE 1/8" = 1'-0"



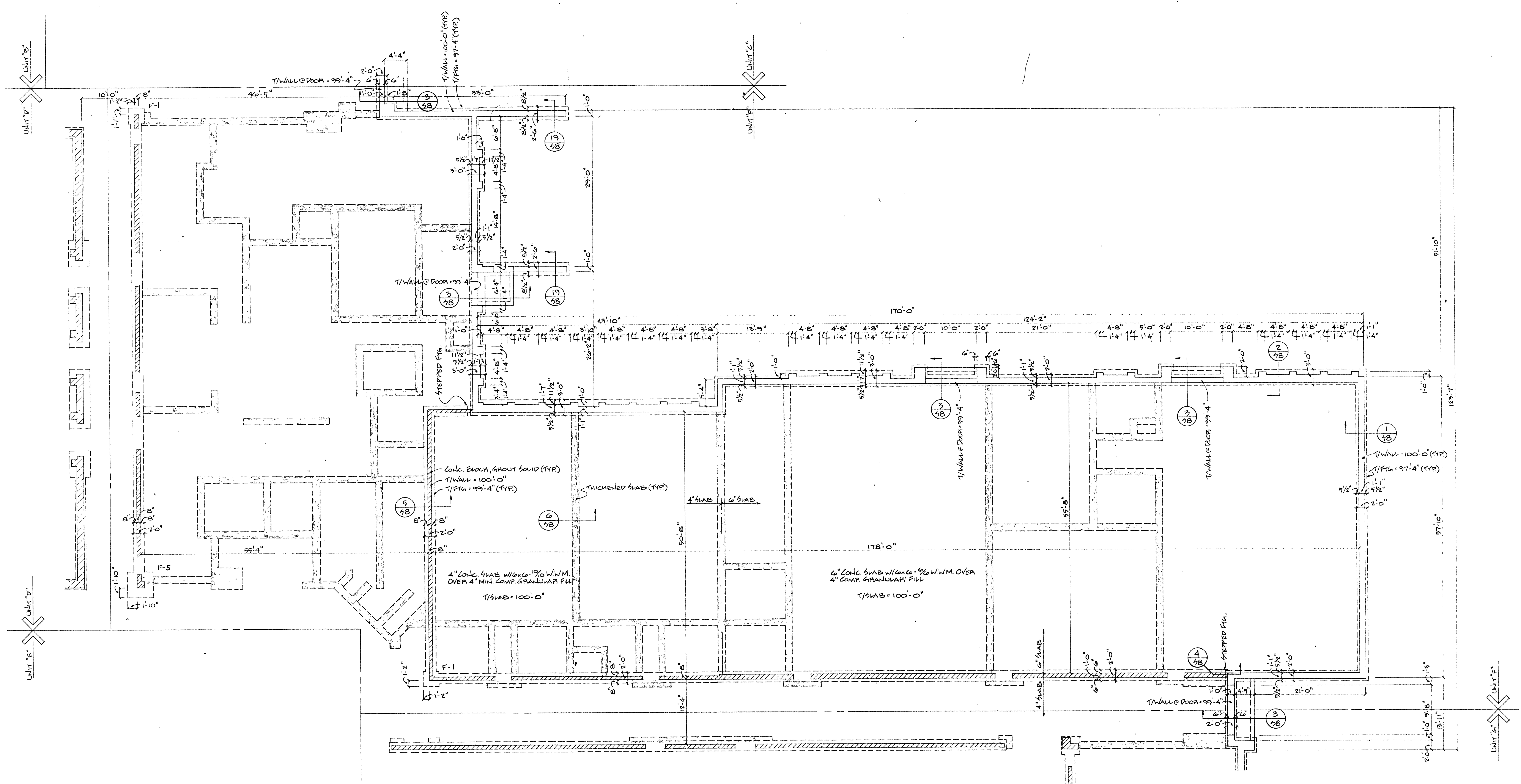
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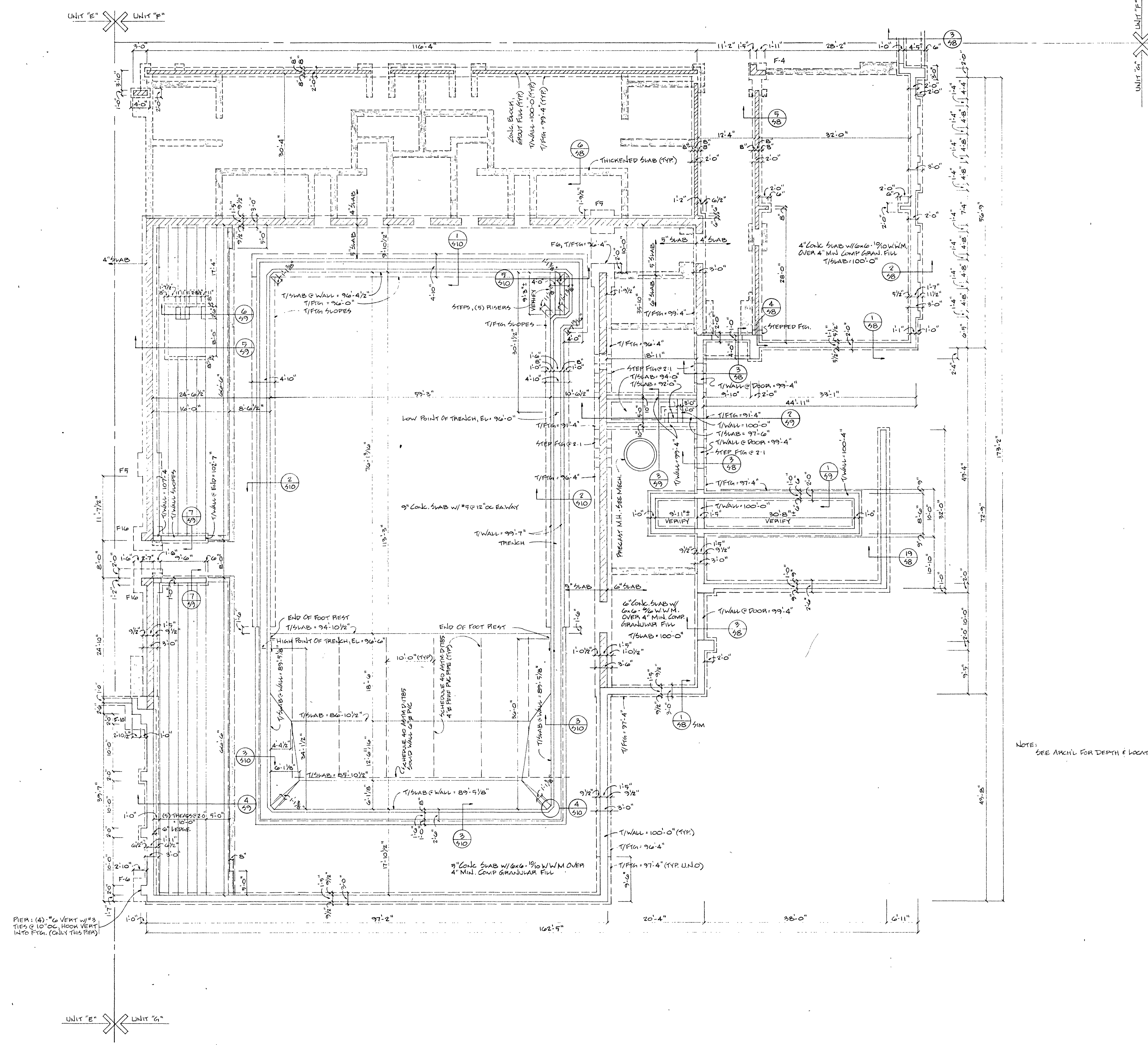
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S6



NOTE:
 SEE ARCH'L FOR DEPTH & LOCATION OF SLAB DEPRESSIONS

UNIT 'F' FOUNDATION PLAN
 SCALE 1/8" = 1'-0"



PIER: (4) 6" VERT W/ #3 TIES @ 10" OC. HOOK VERT INTO FTG. (ONLY THIS PIER)

NOTE: SEE ARCH'L FOR DEPTH & LOCATION OF SLAB DEPRESSIONS.

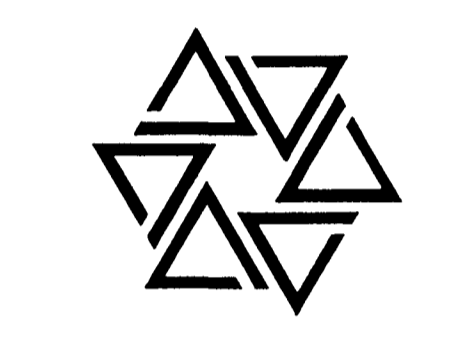
UNIT 'E' UNIT 'F'

UNIT 'G' UNIT 'H'

UNIT 'E' UNIT 'F'

UNIT 'G' UNIT 'H'

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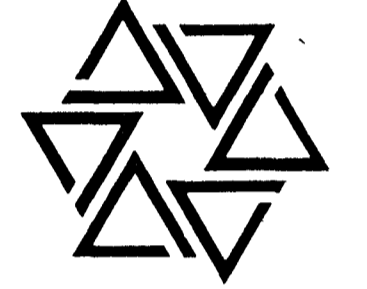
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S7

UNIT 'G' FOUNDATION PLAN
SCALE 1/8" = 1'-0"

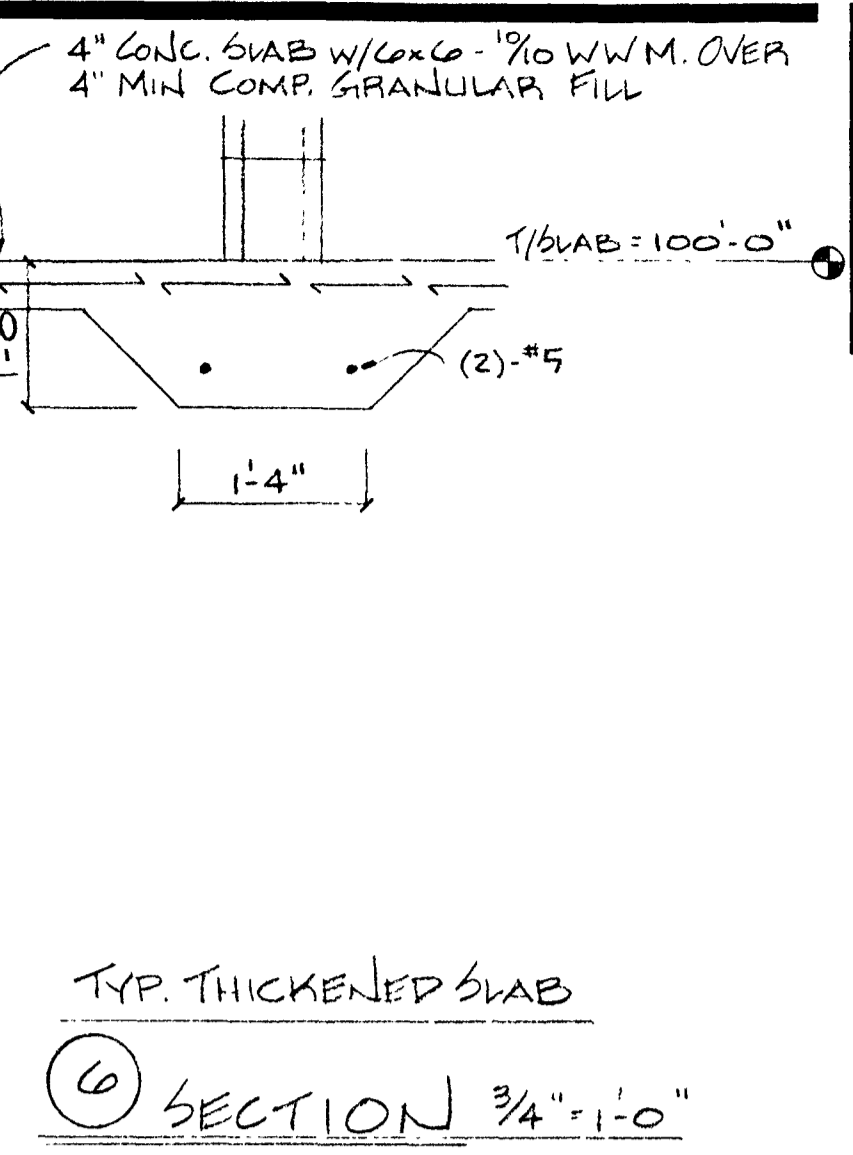


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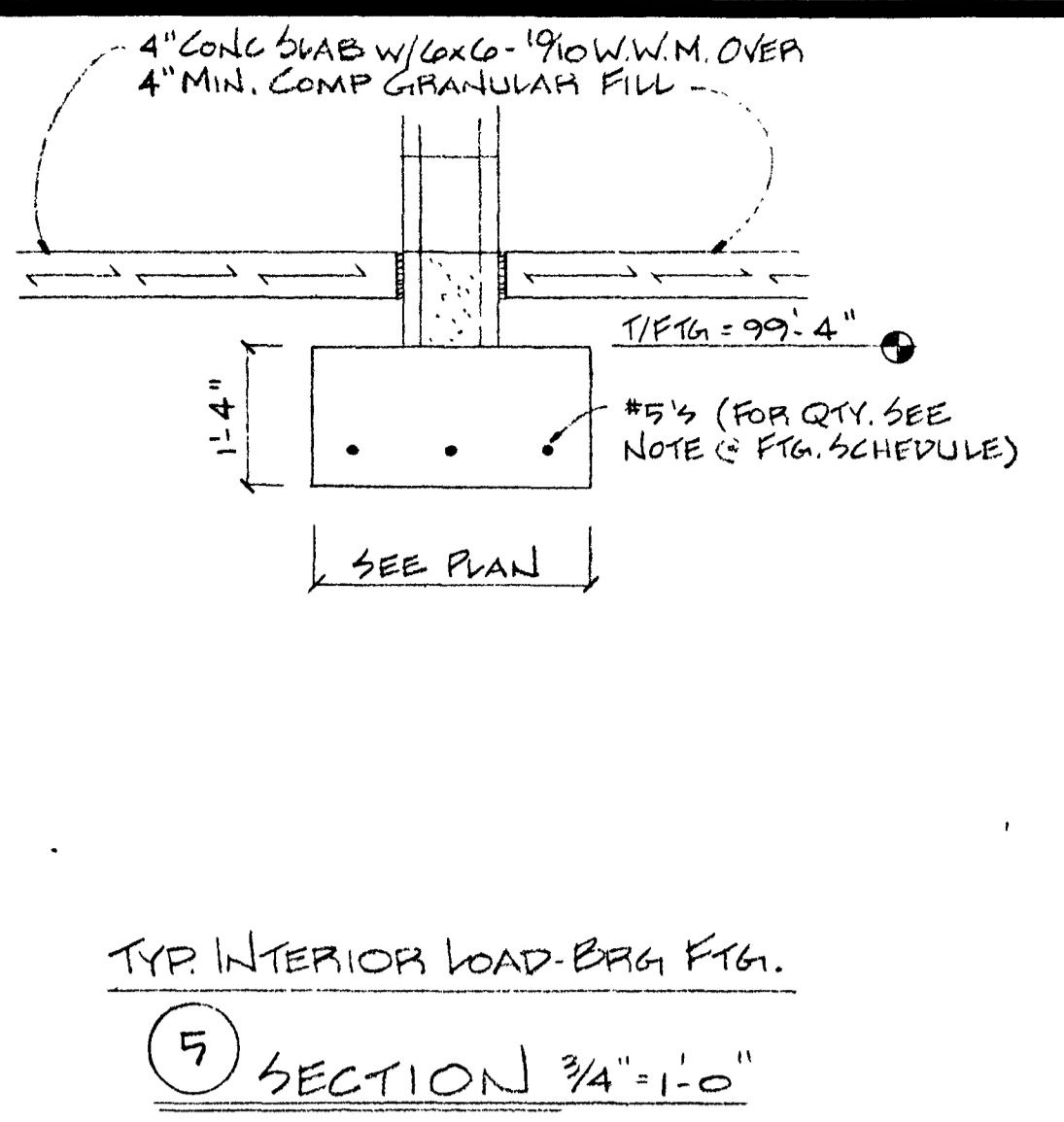


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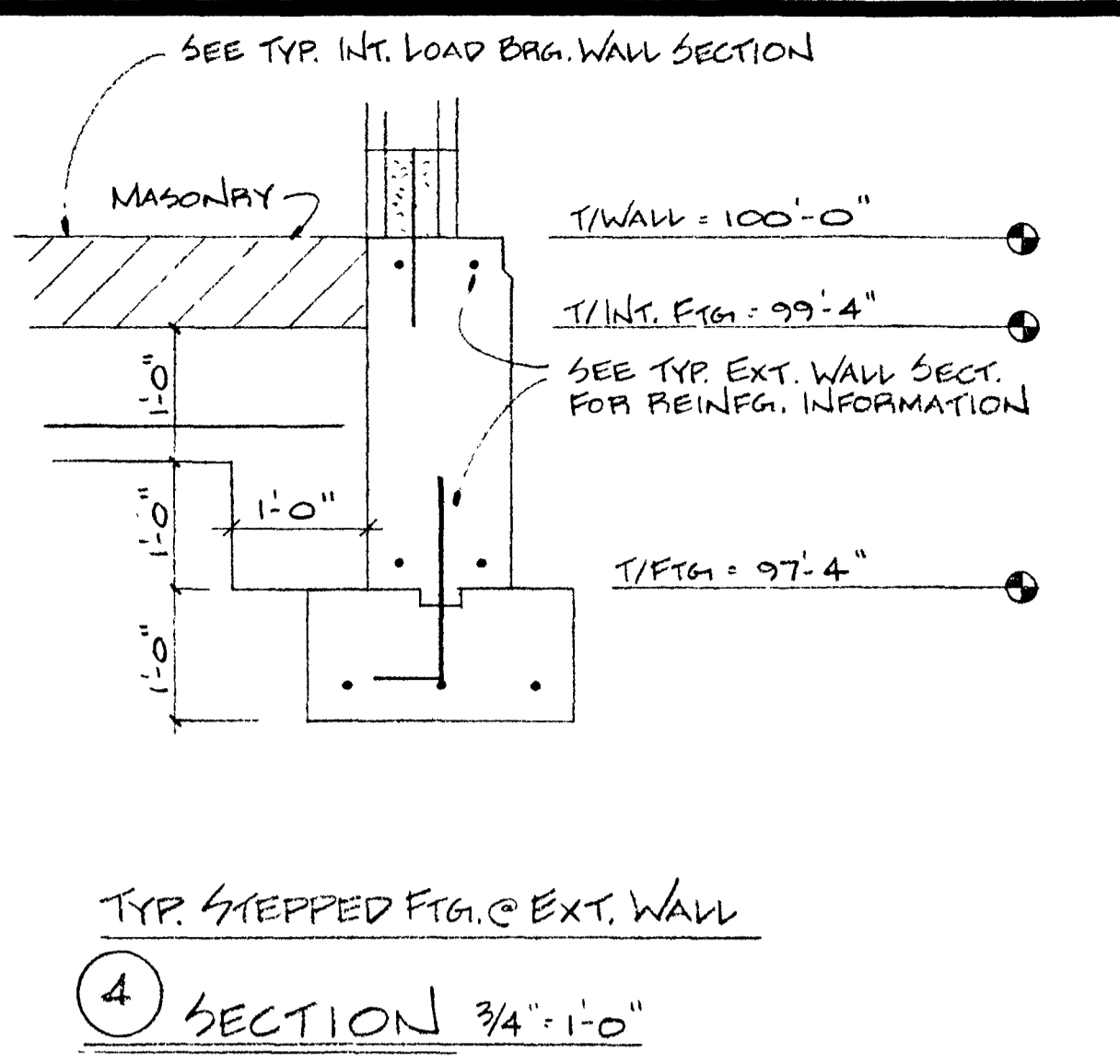
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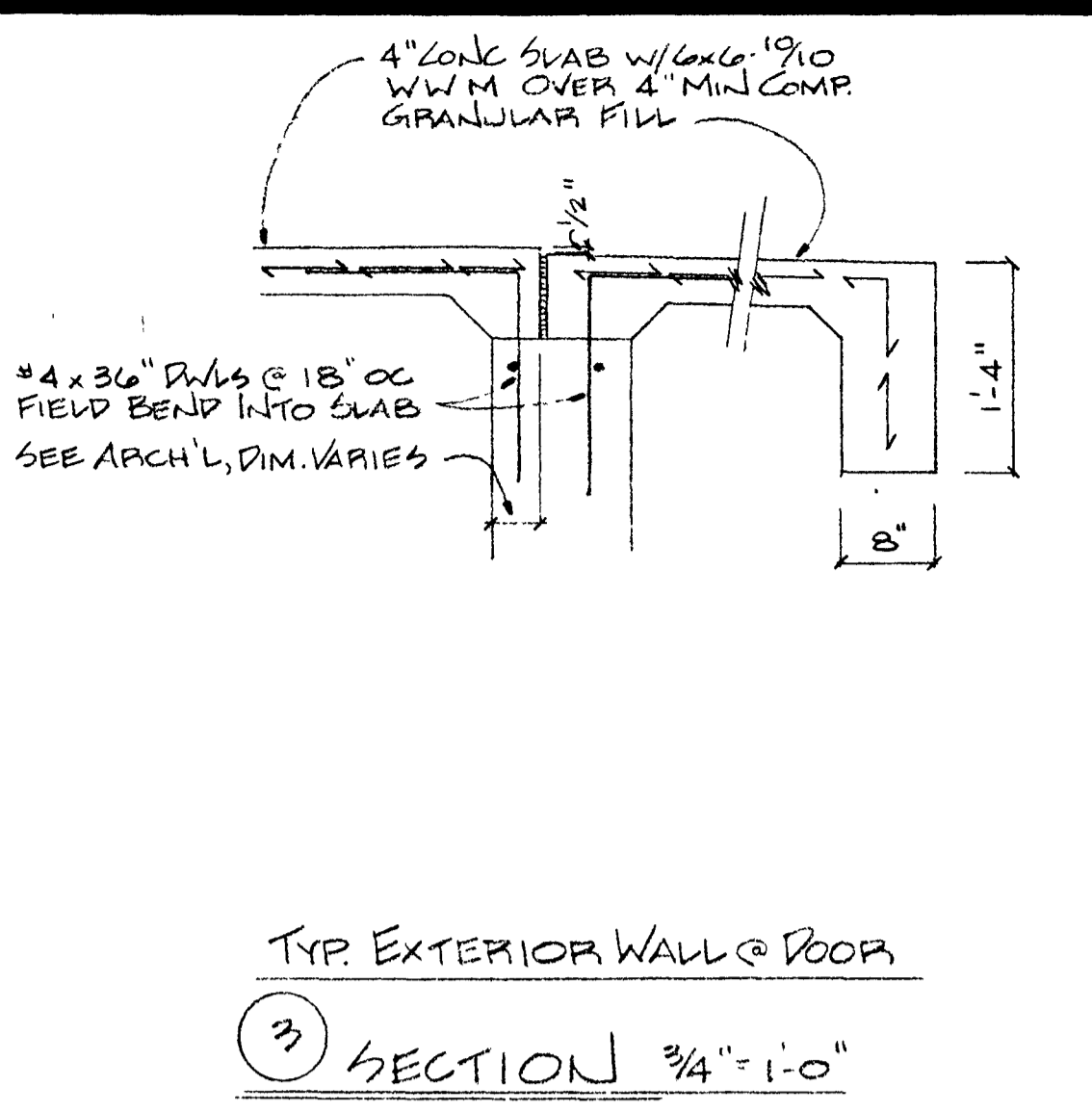
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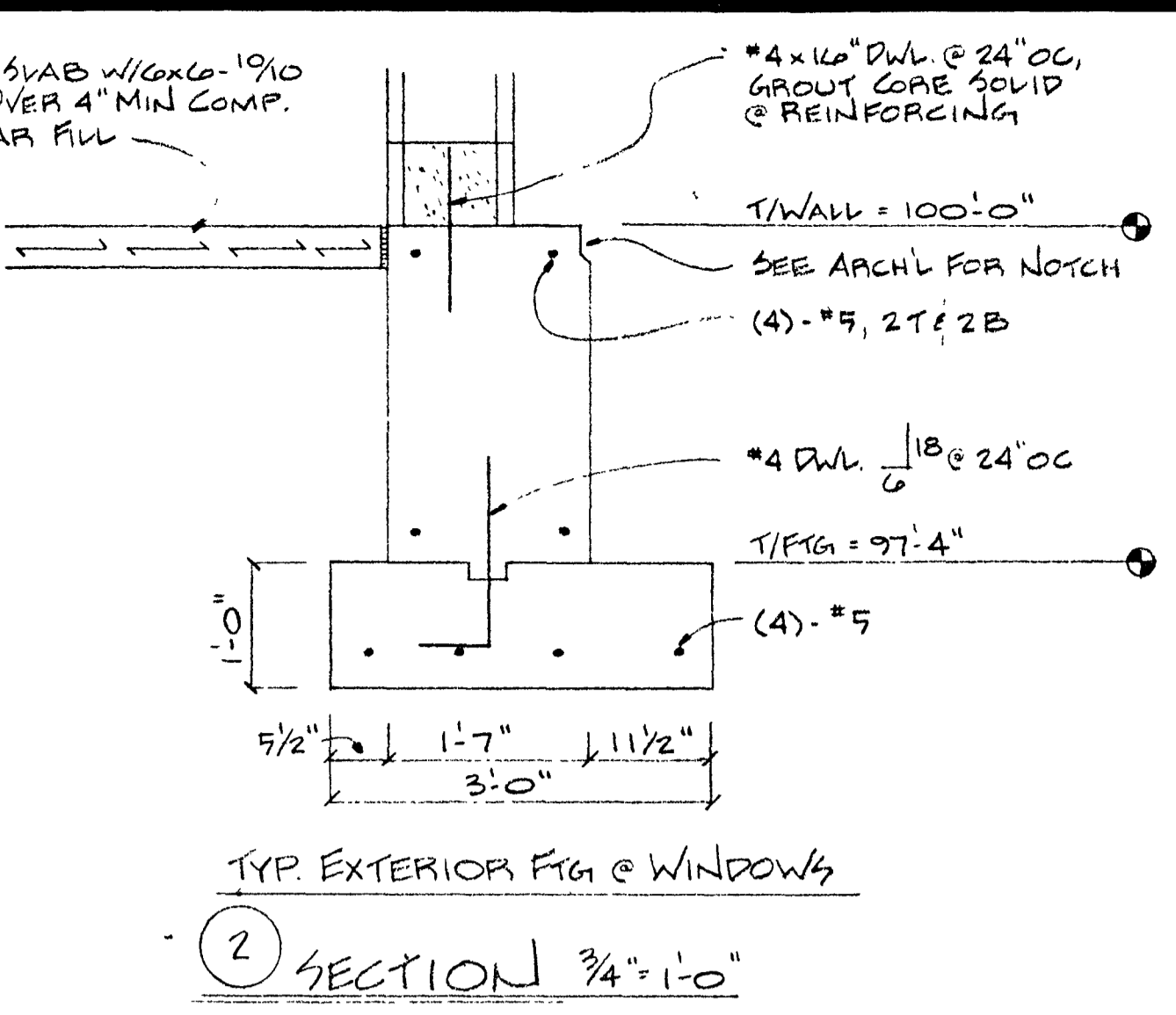
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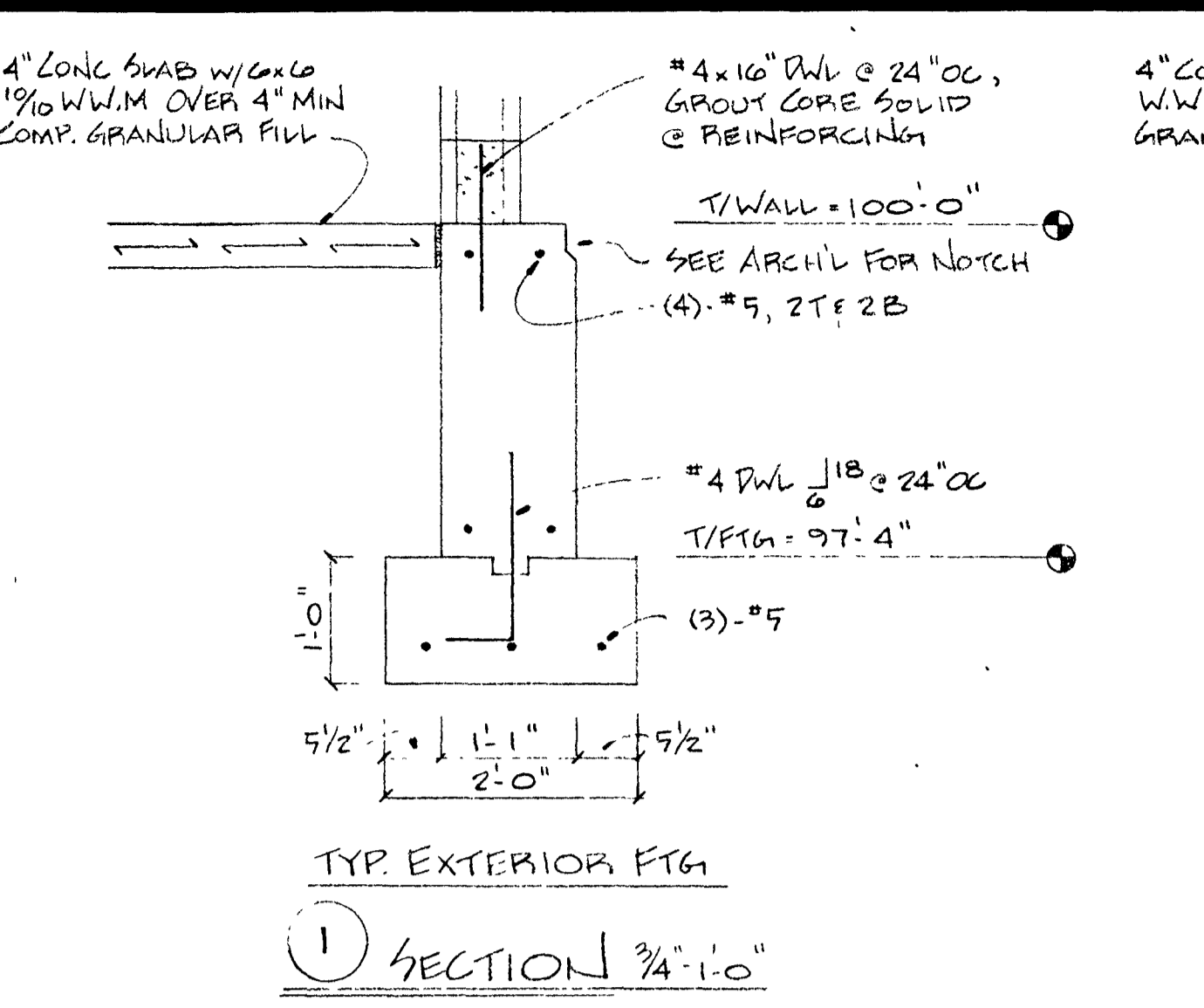
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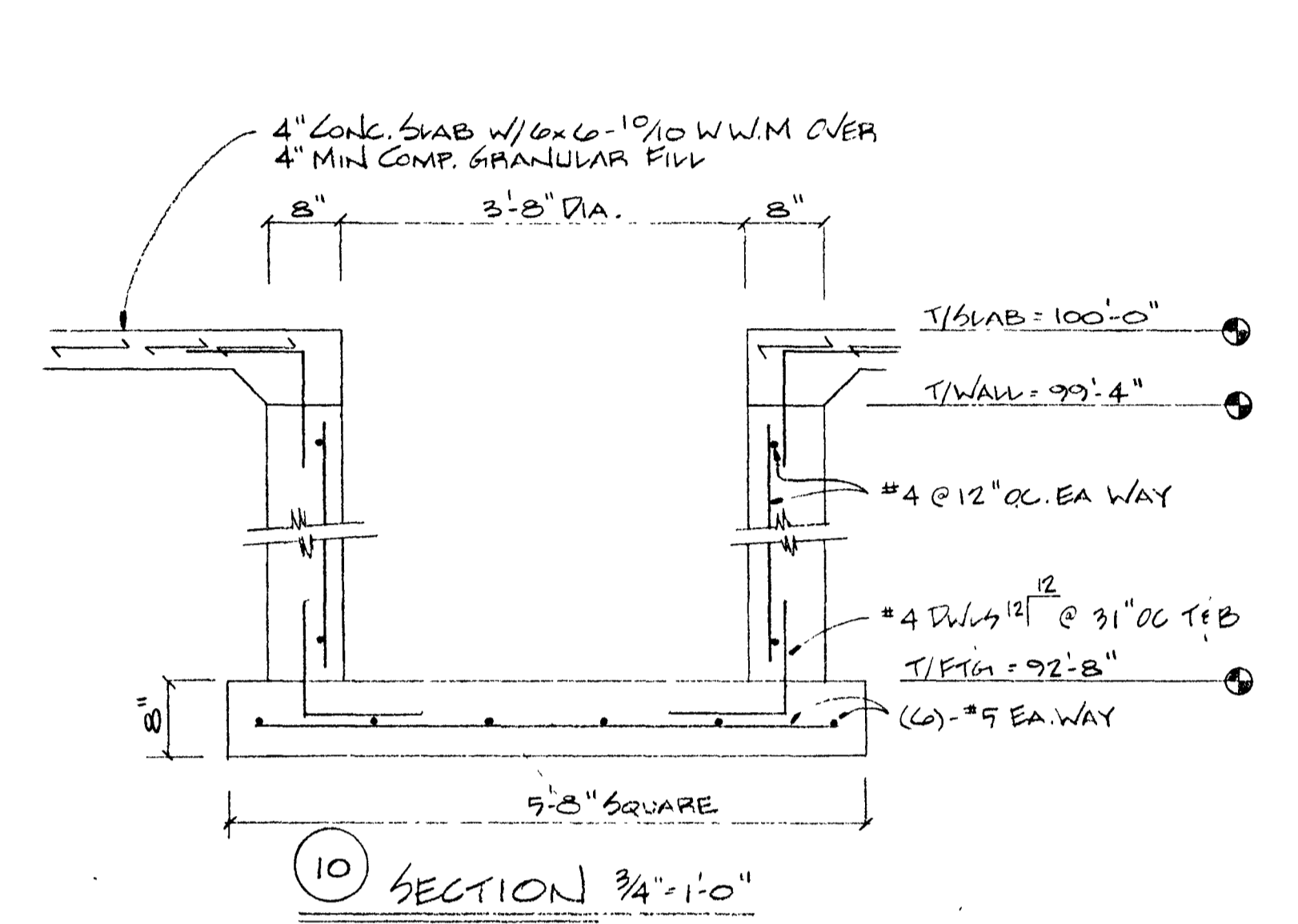
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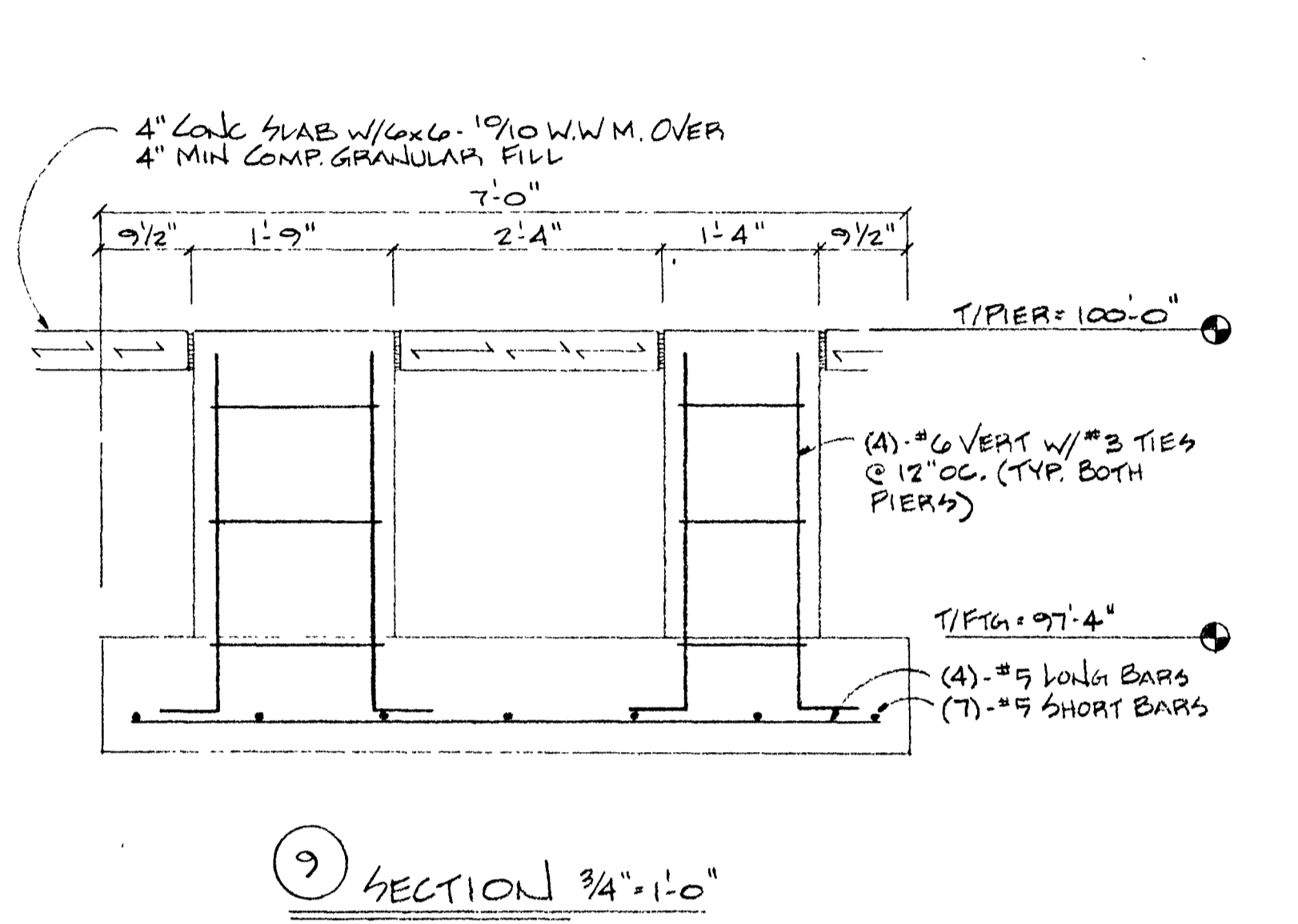
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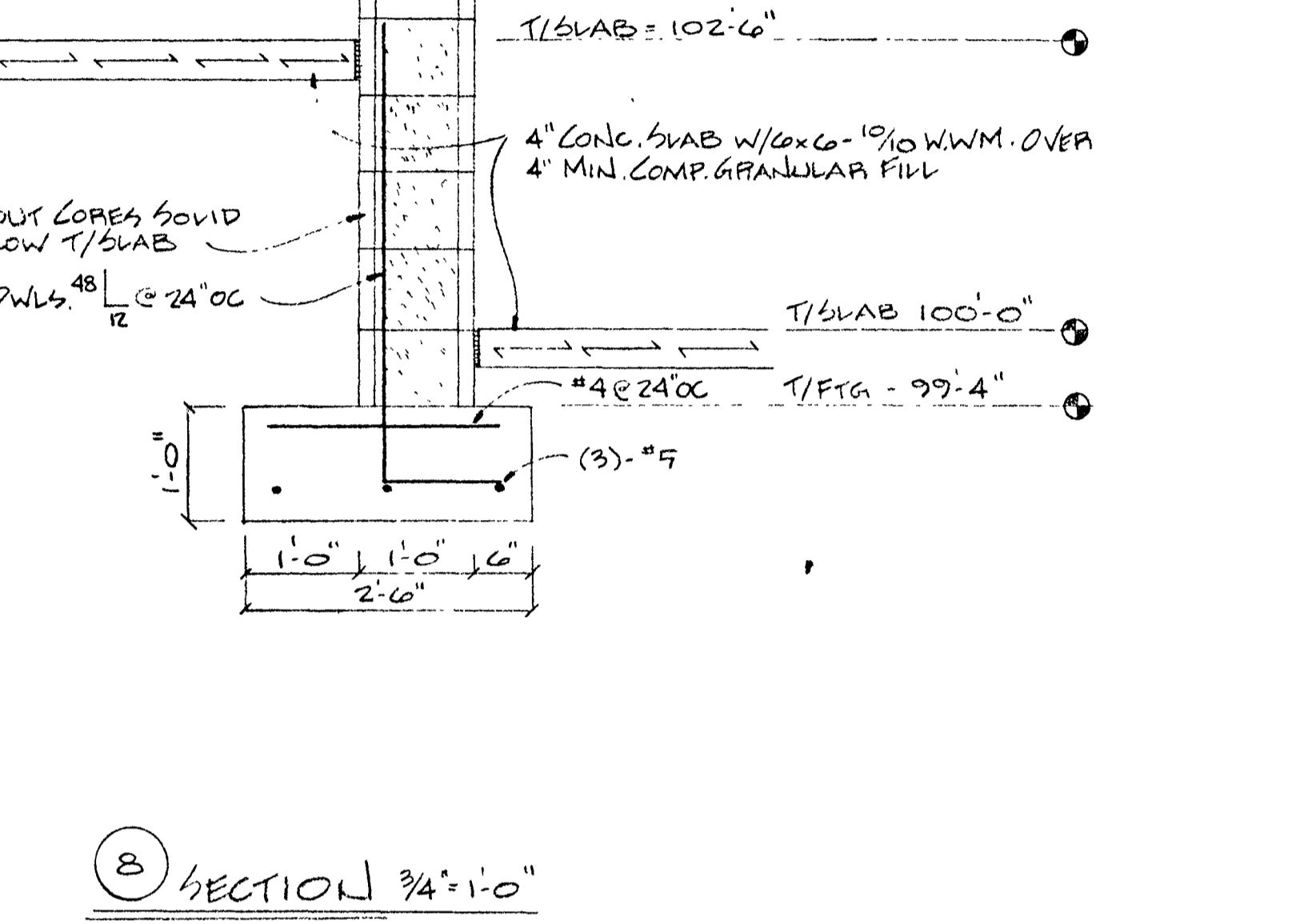
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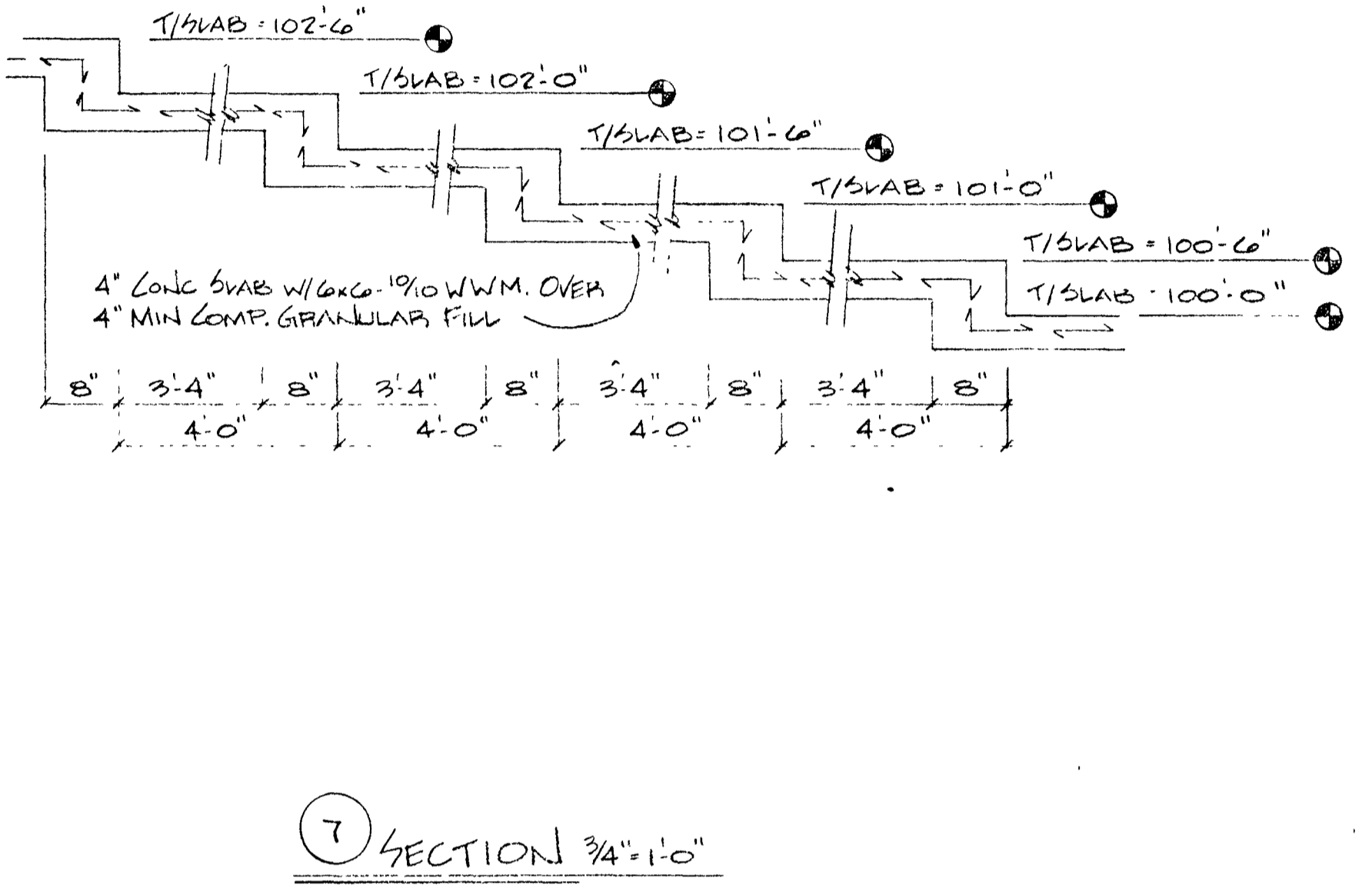
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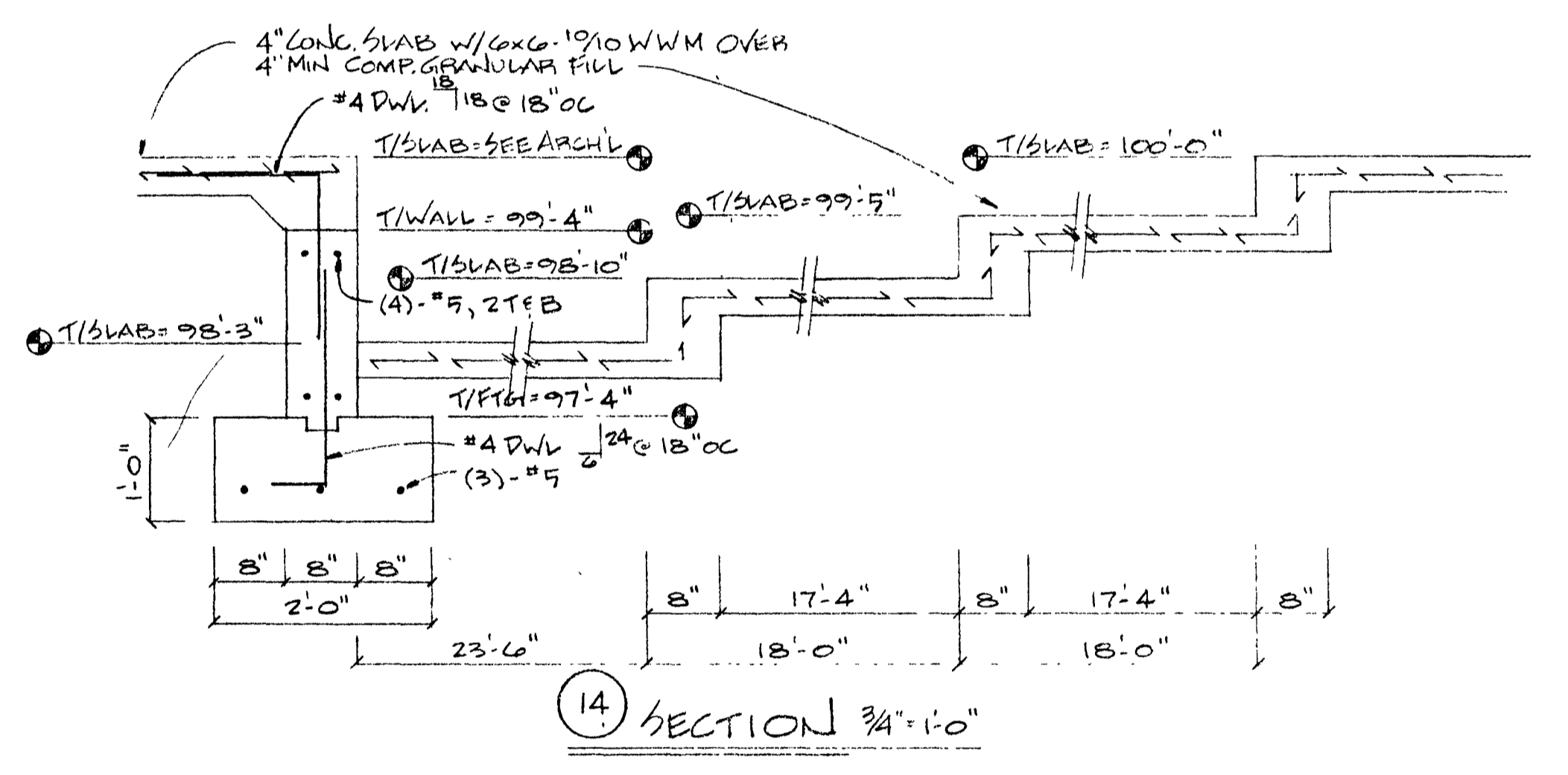
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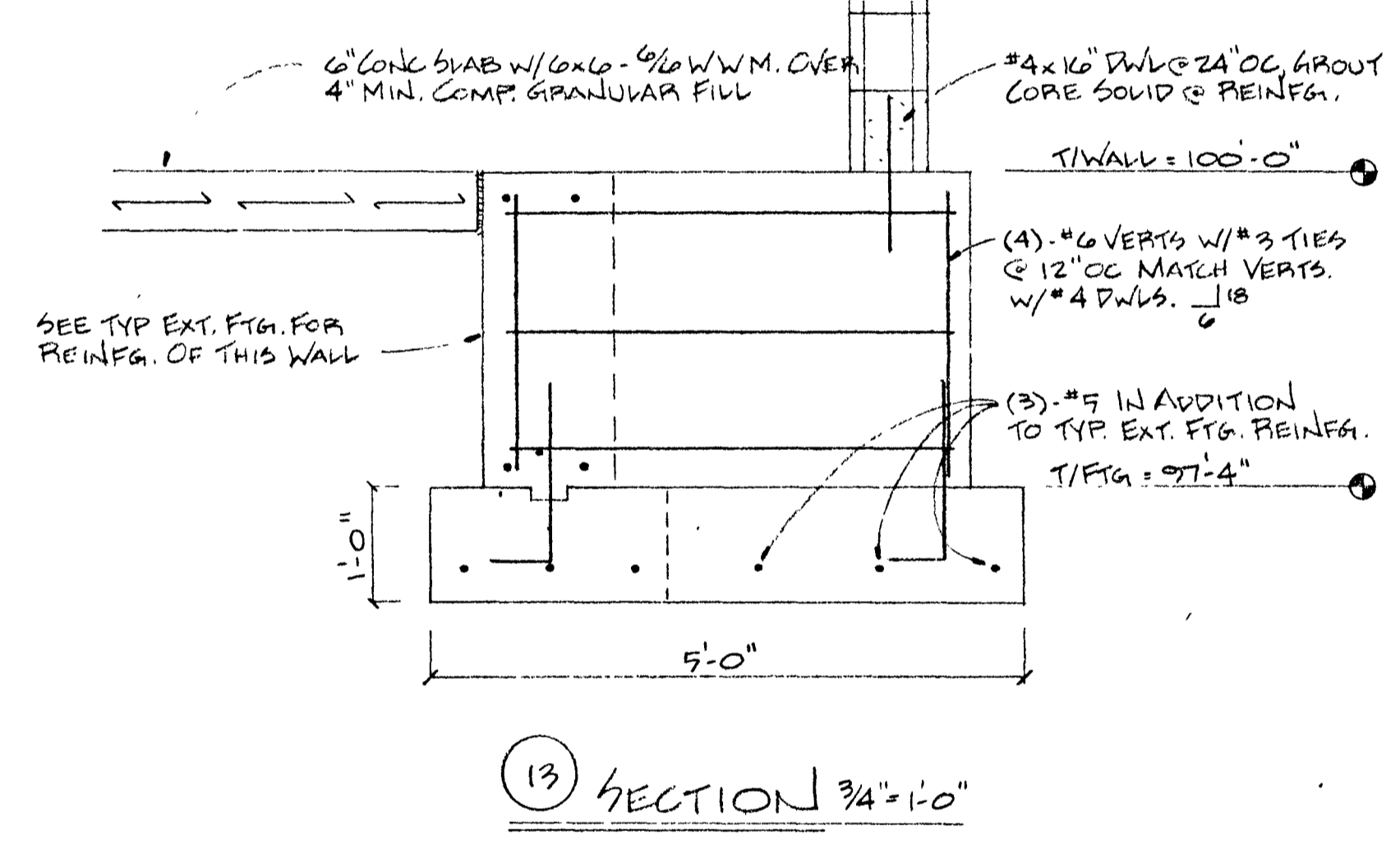
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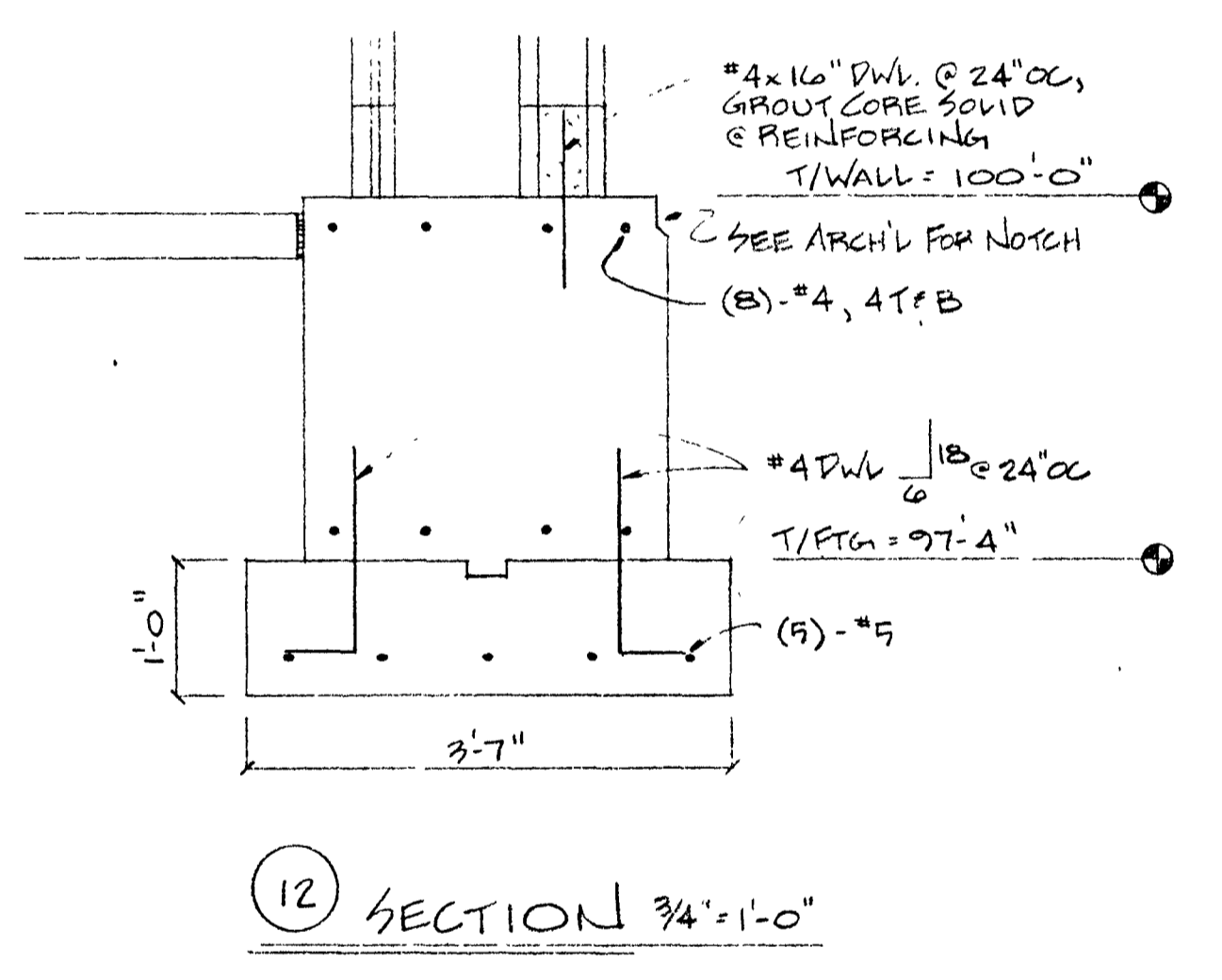
⑦ SECTION 3/4" = 1'-0"



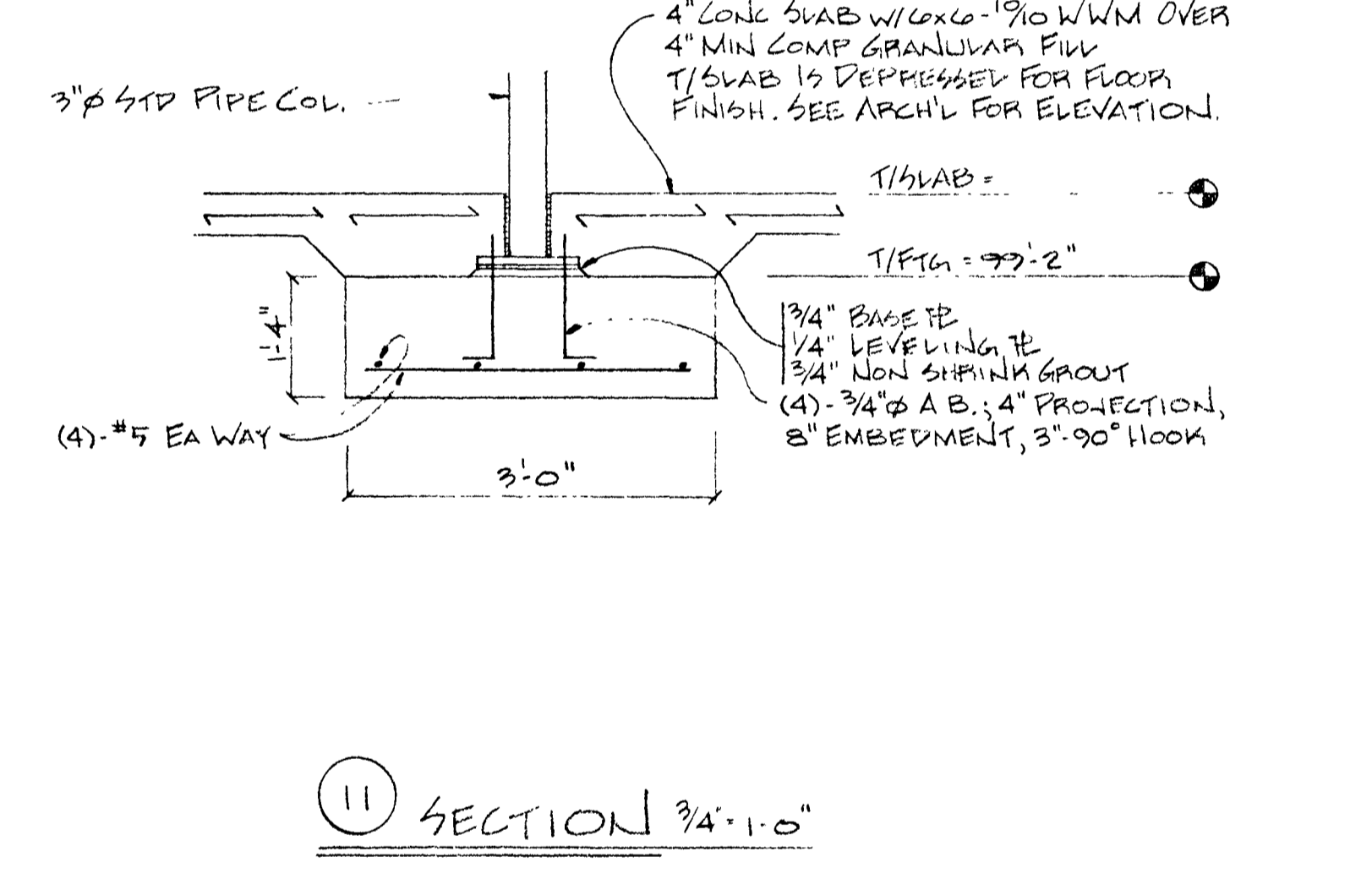
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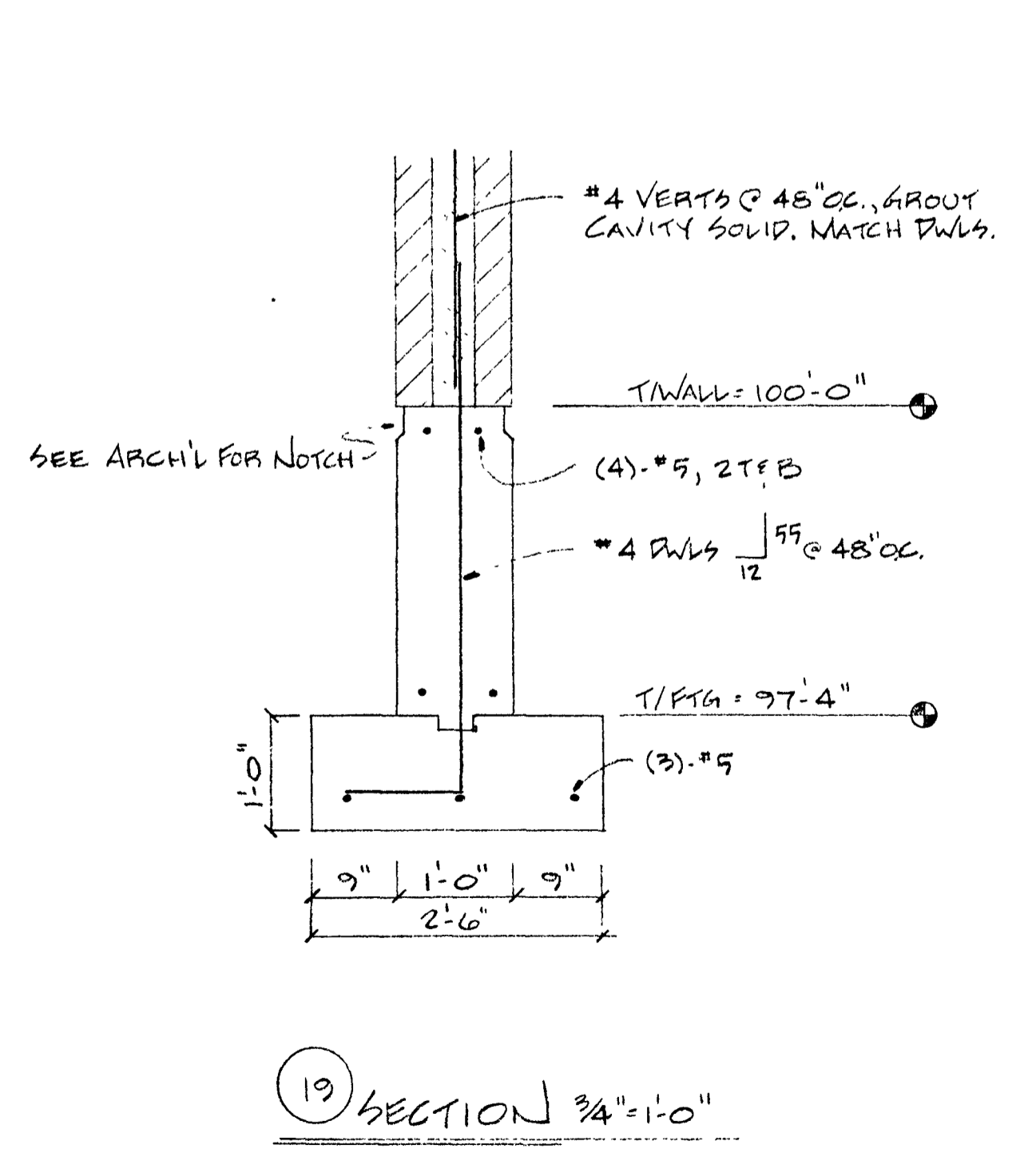
⑬ SECTION 3/4" = 1'-0"



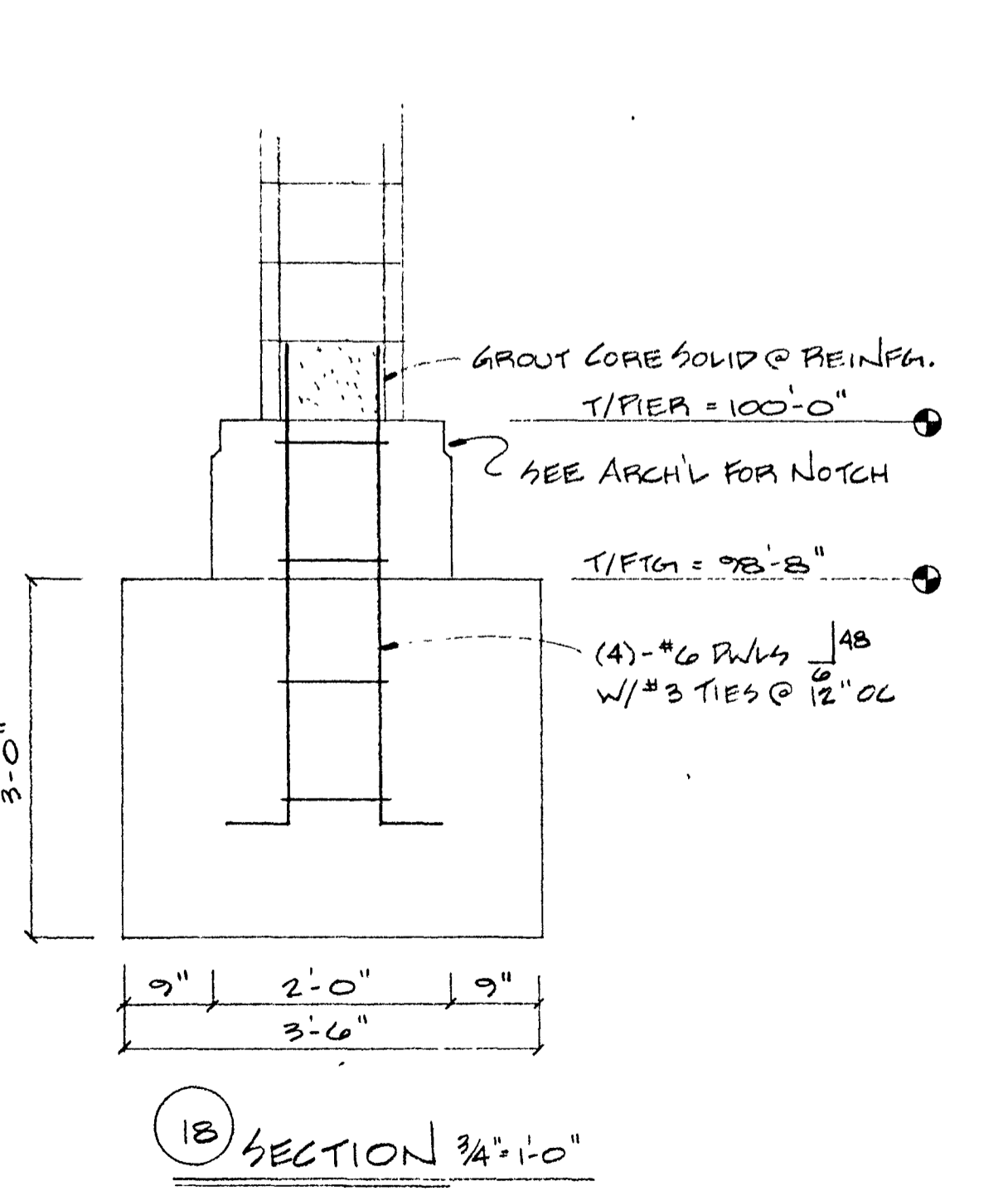
⑫ SECTION 3/4" = 1'-0"



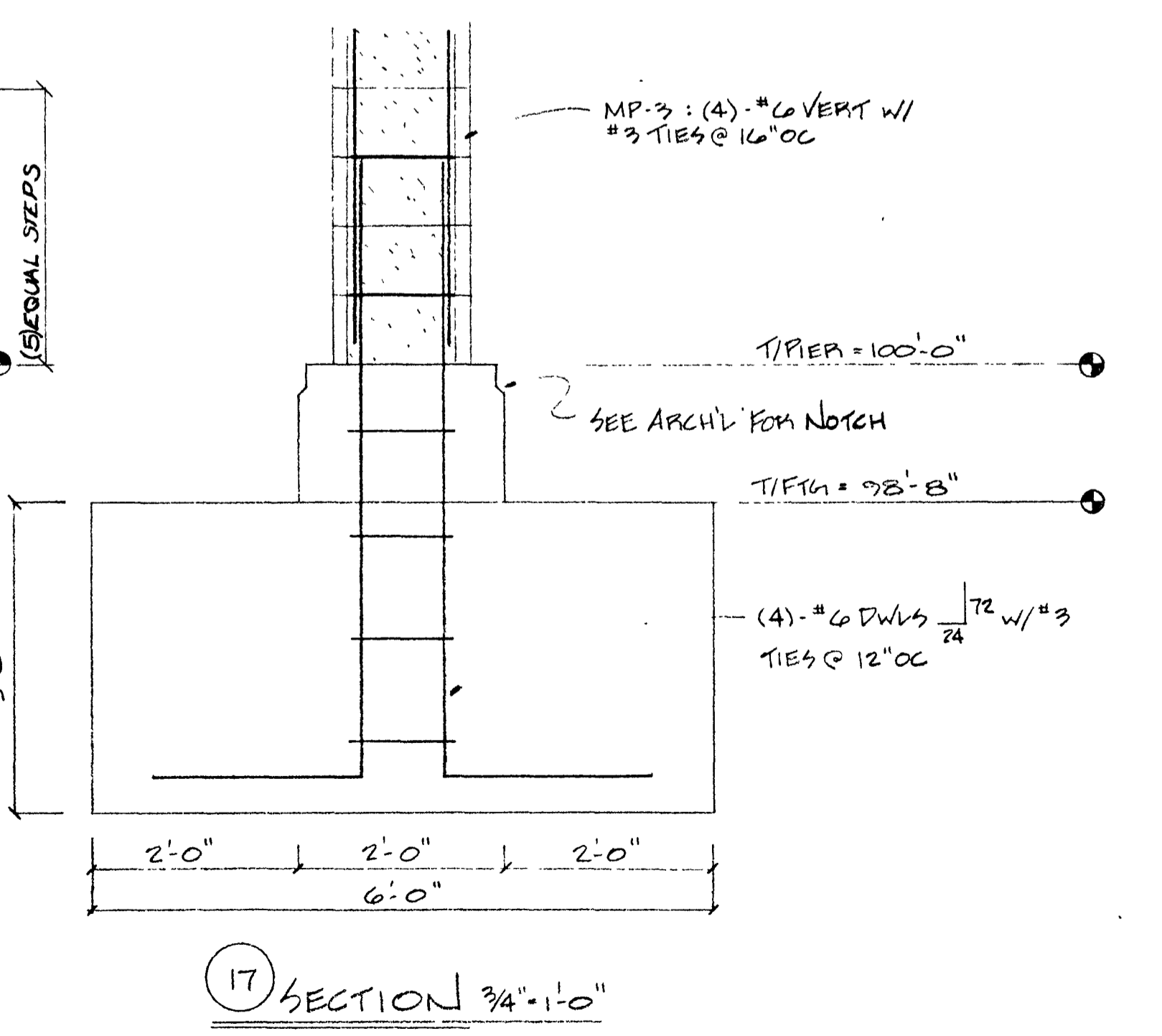
⑪ SECTION 3/4" = 1'-0"



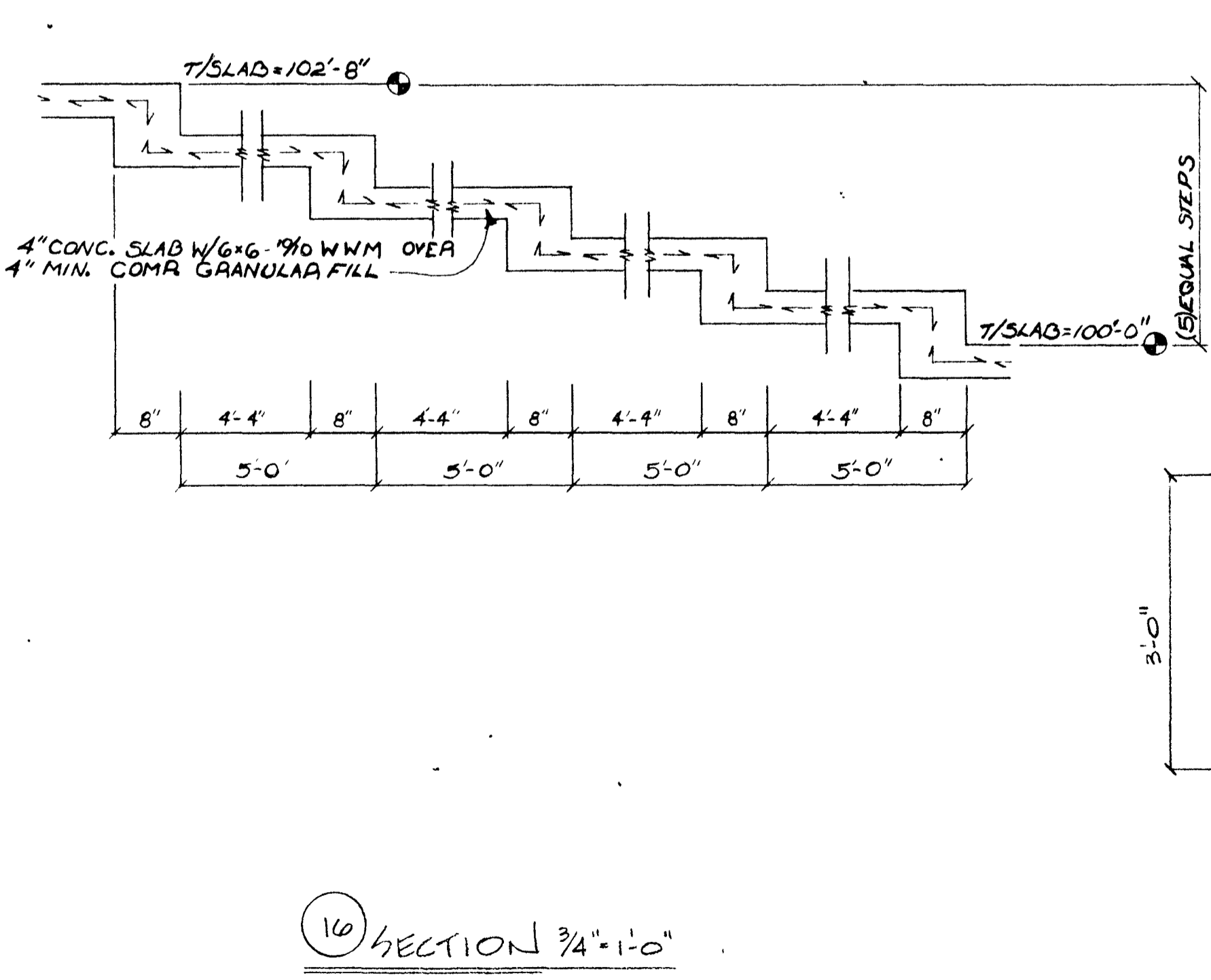
⑲ SECTION 3/4" = 1'-0"



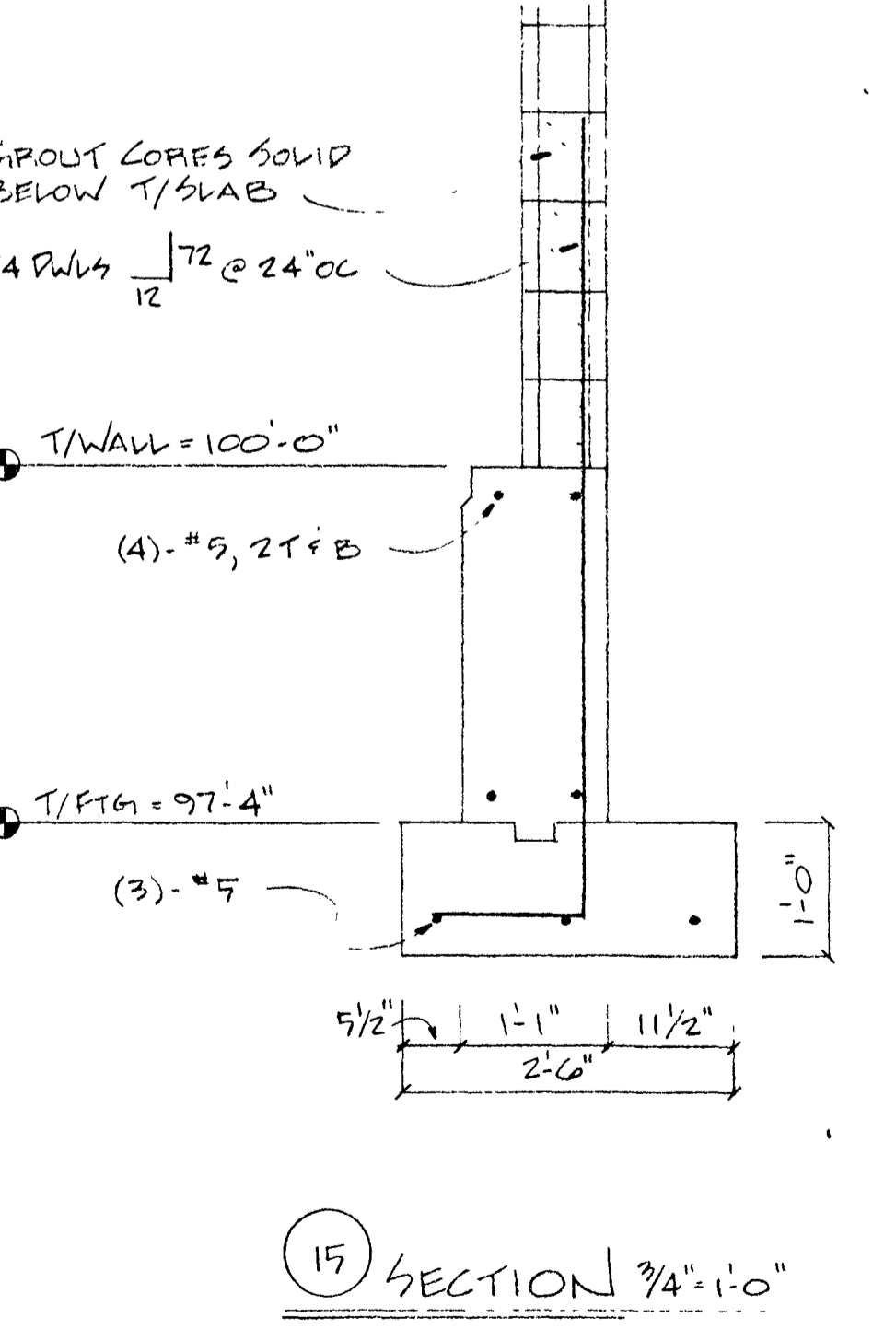
⑱ SECTION 3/4" = 1'-0"



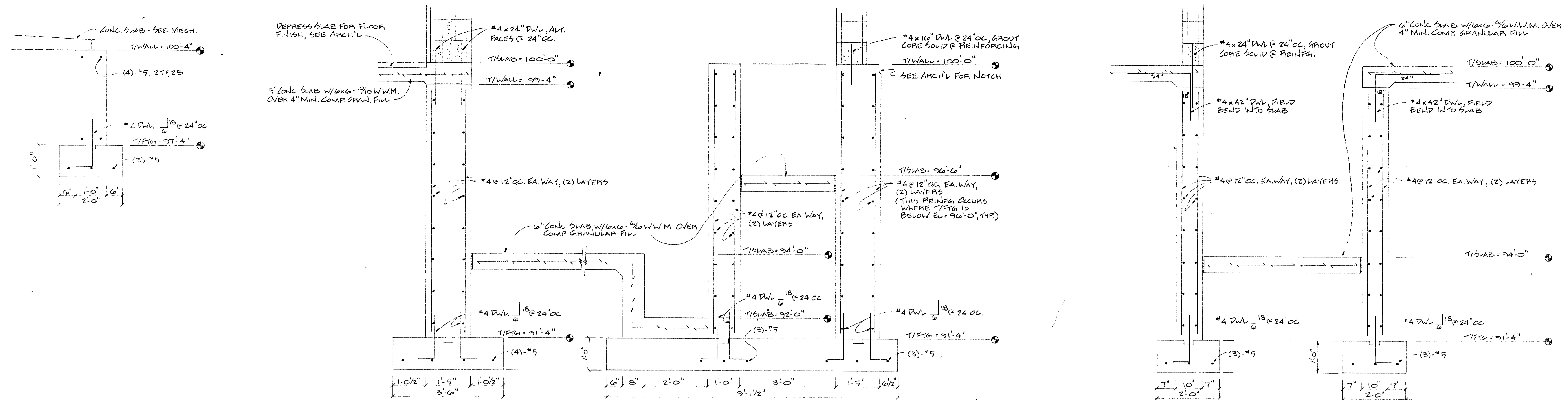
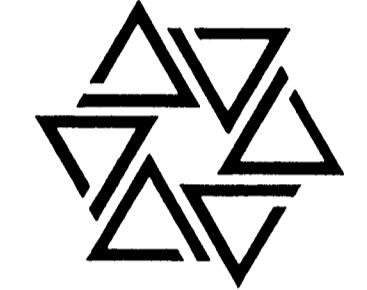
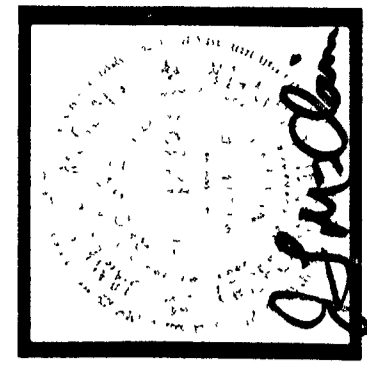
⑰ SECTION 3/4" = 1'-0"



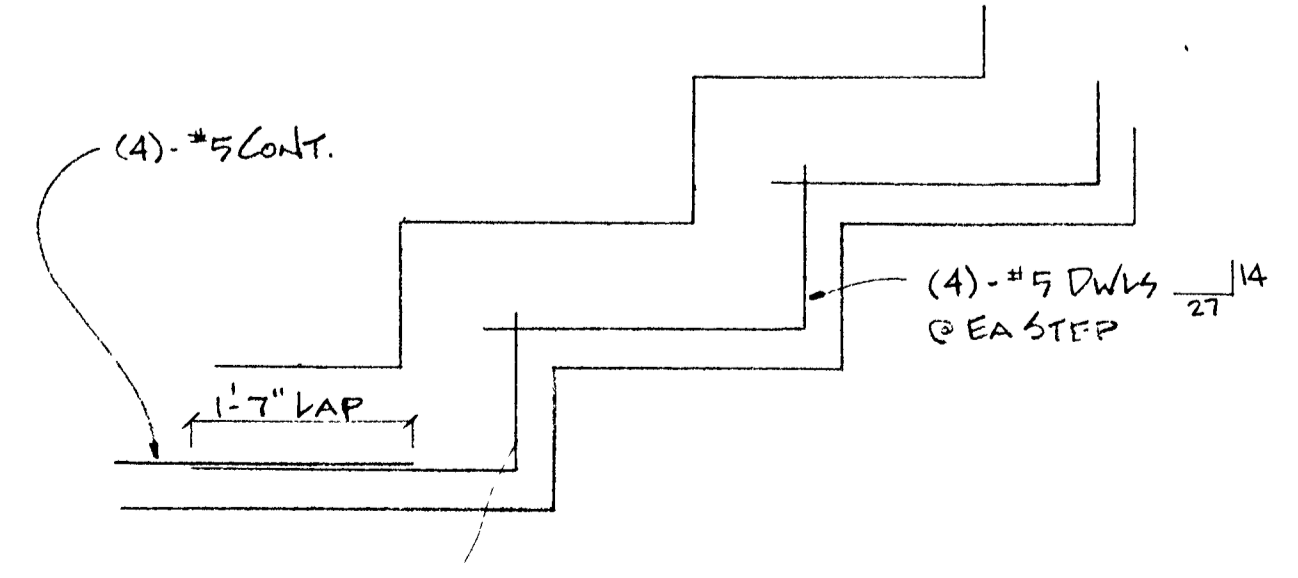
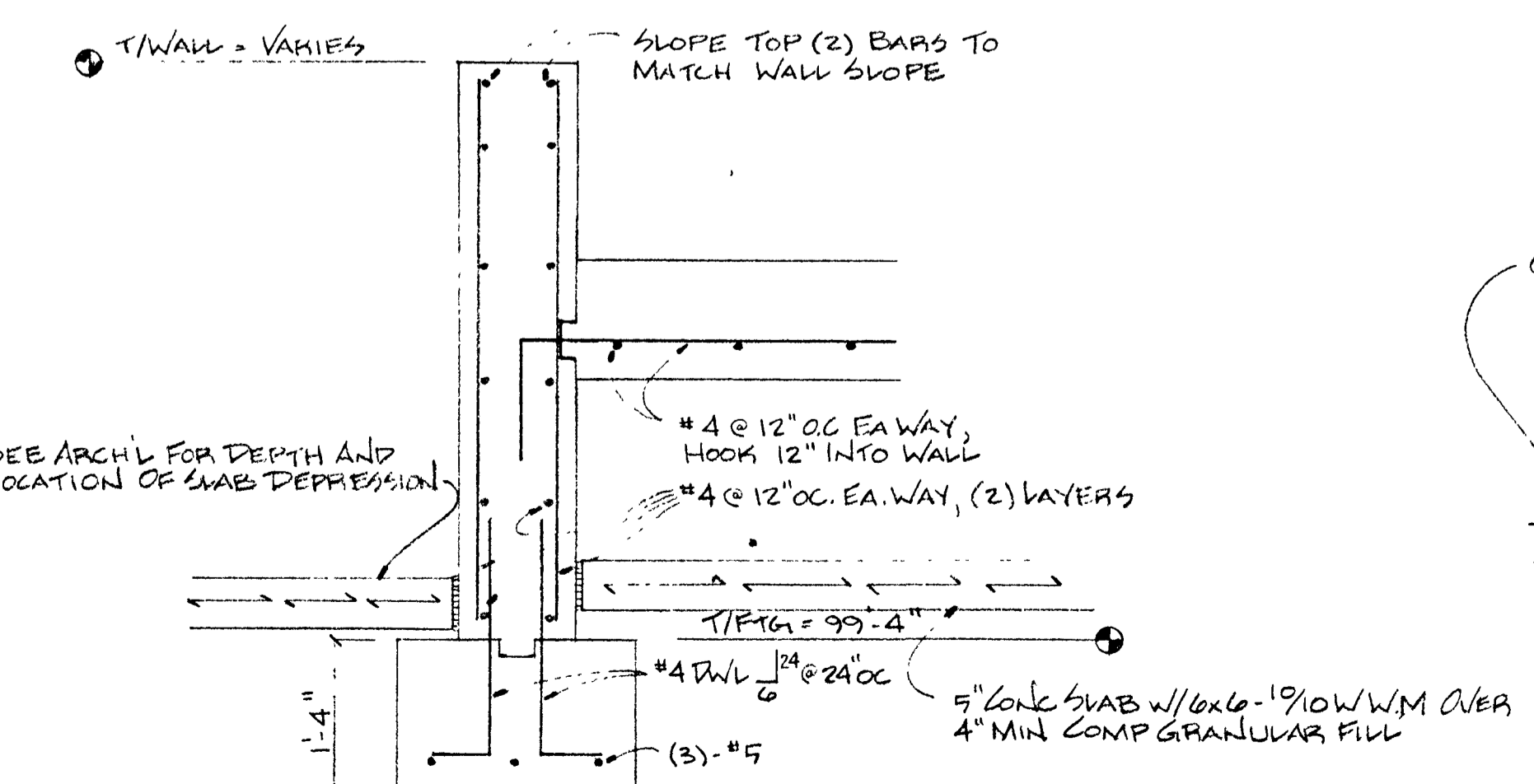
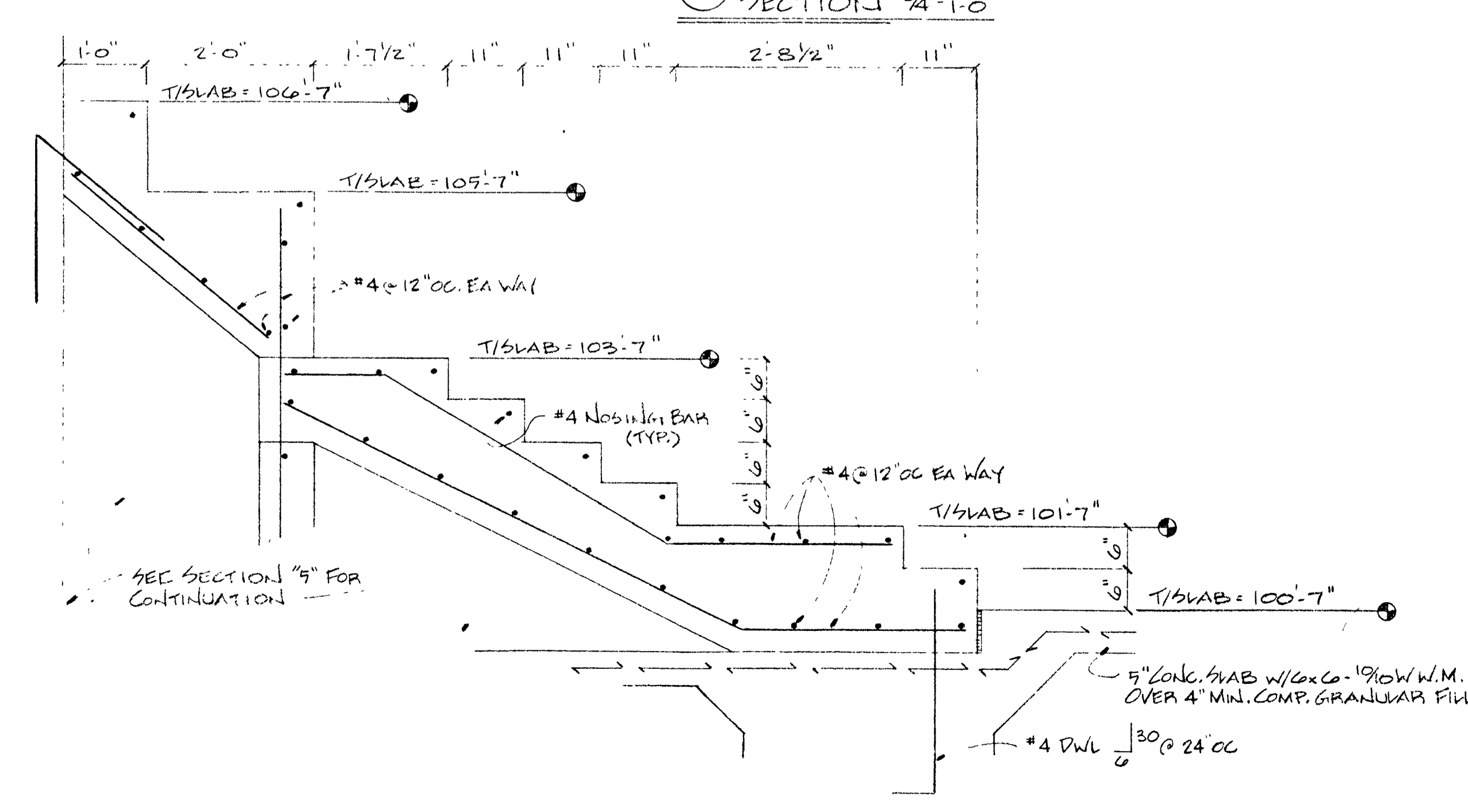
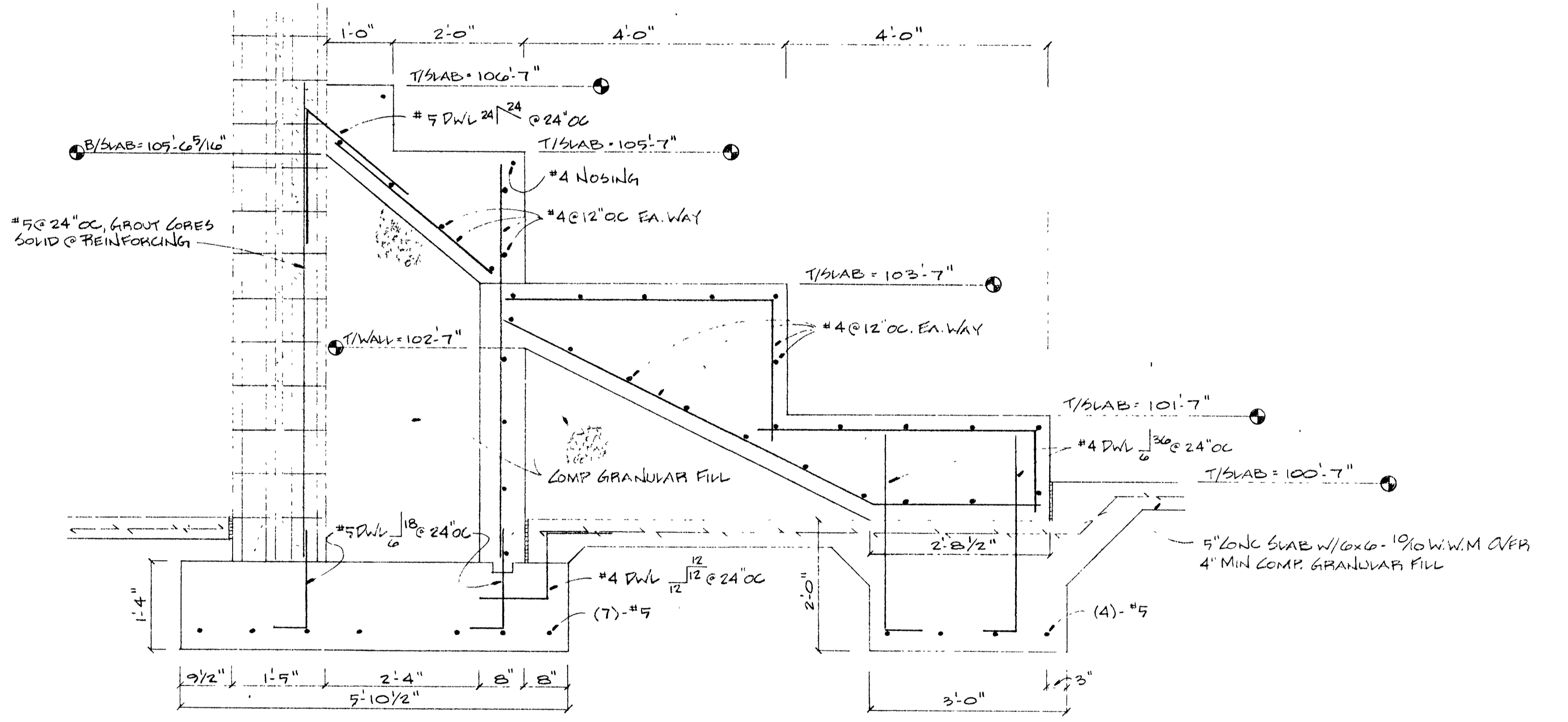
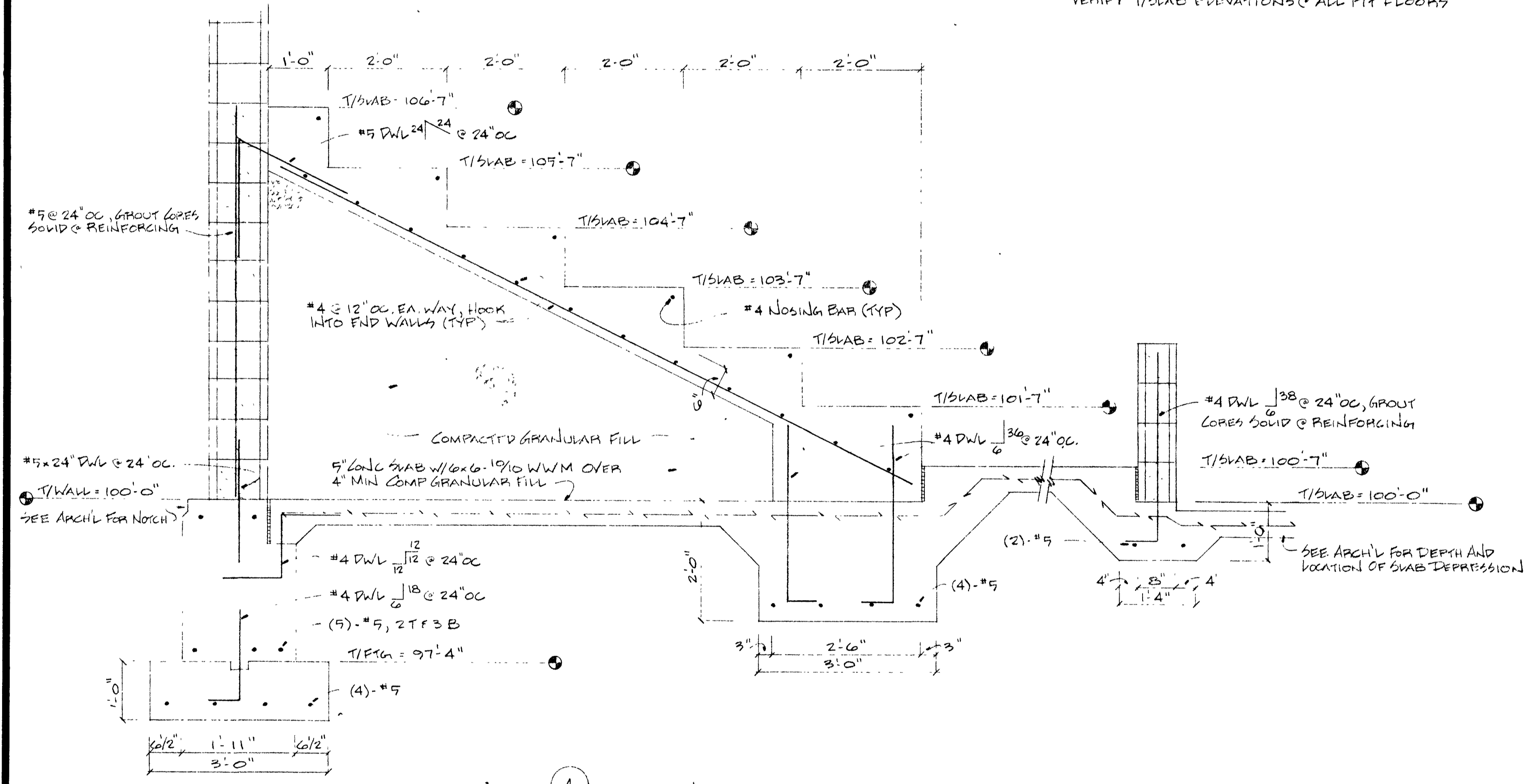
⑰ SECTION 3/4" = 1'-0"



⑱ SECTION 3/4" = 1'-0"



VERIFY T/SLAB ELEVATIONS @ ALL PIT FLOORS

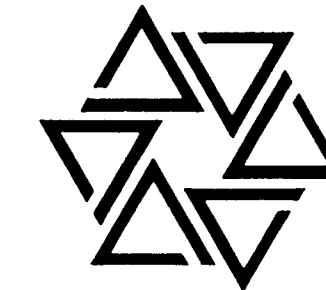


SECTION 6 3/4" x 1'-0"

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



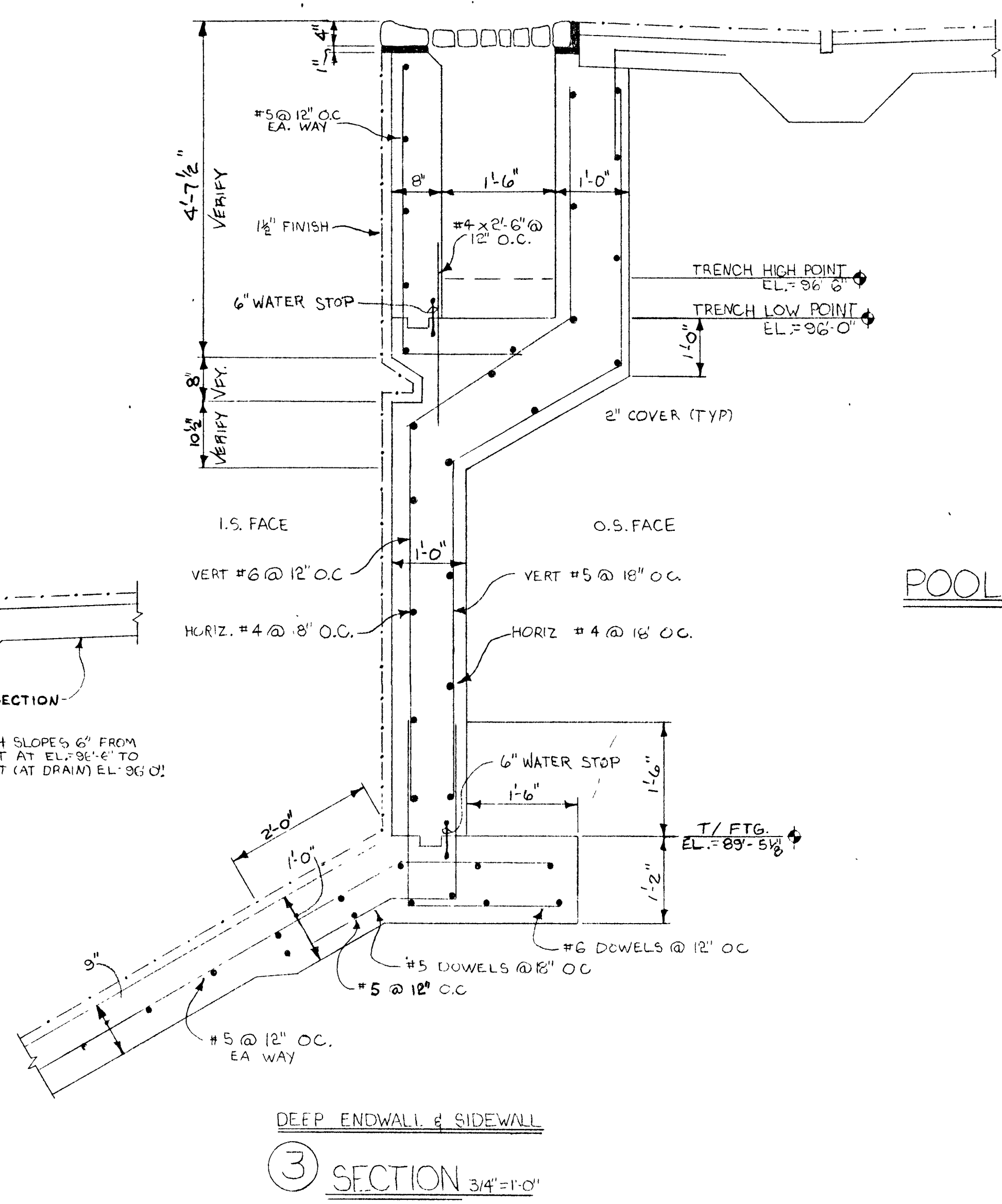
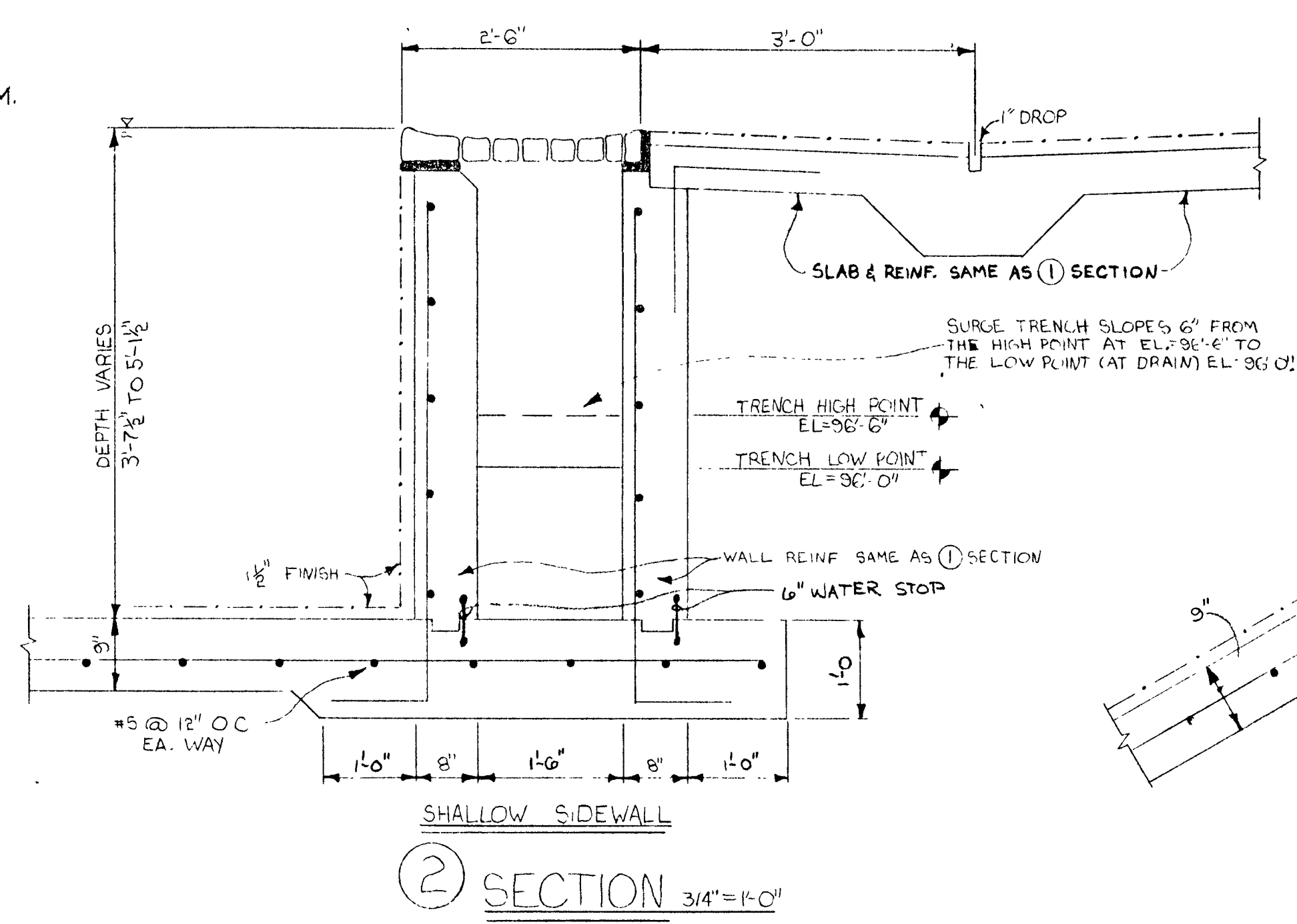
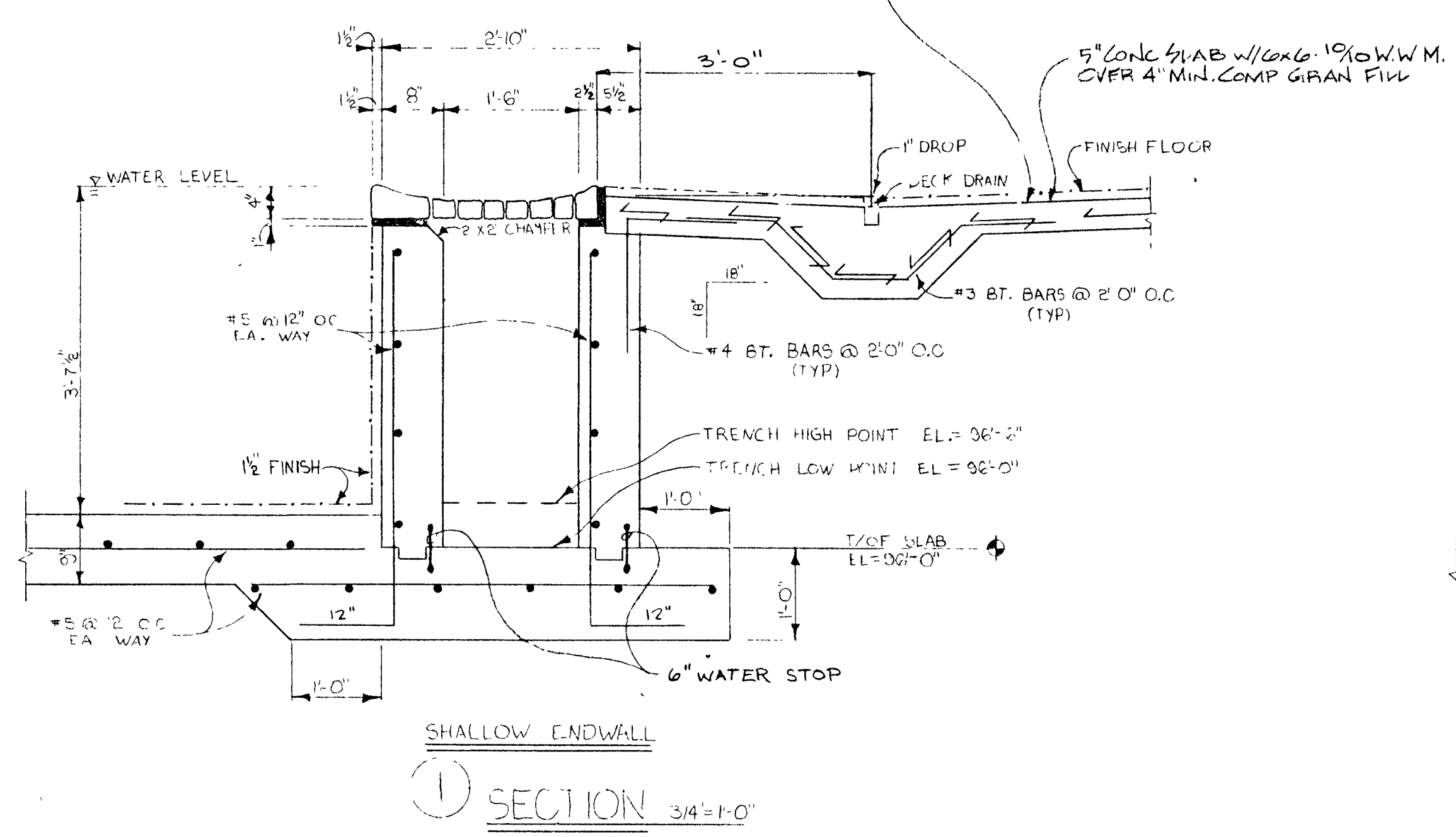
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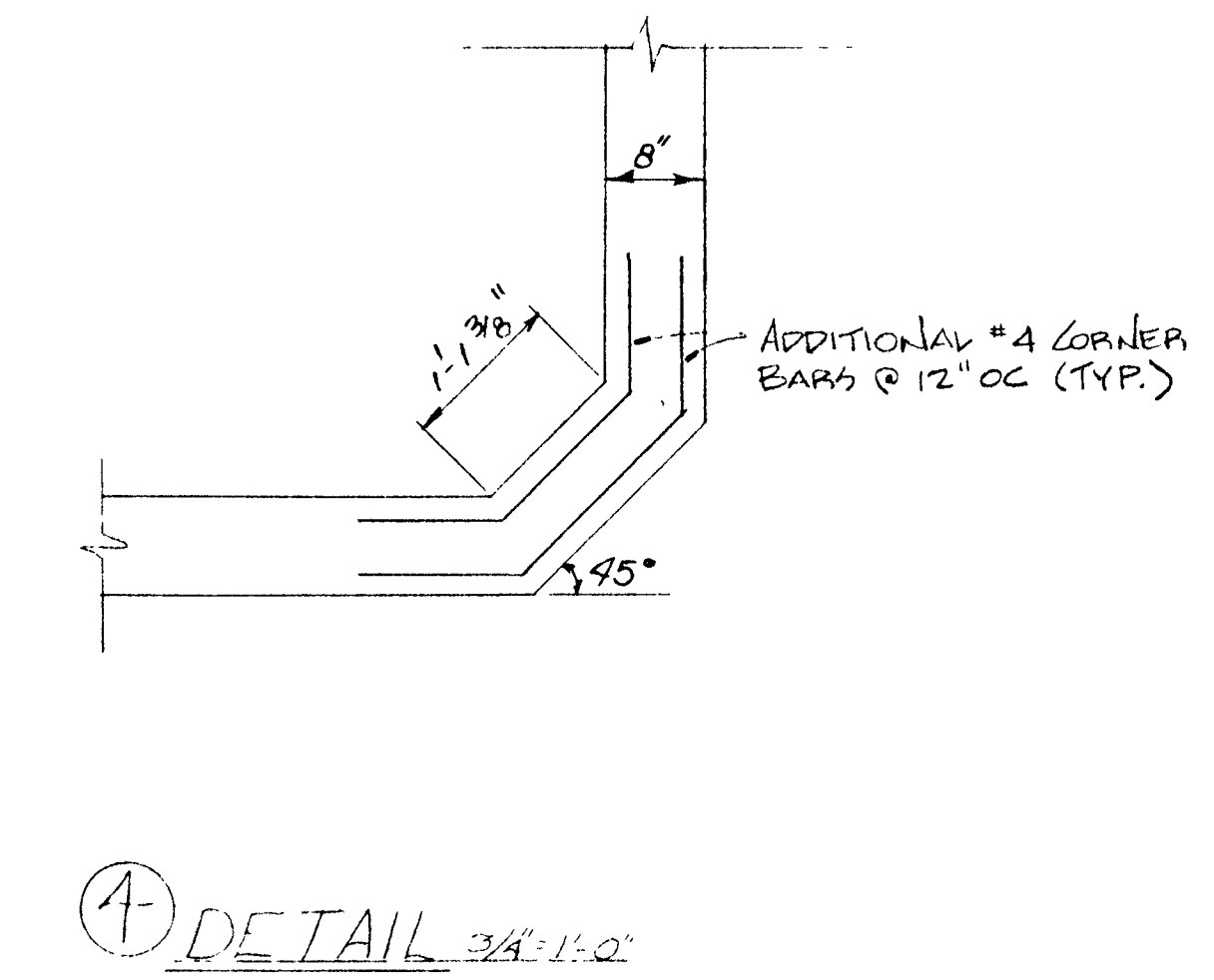
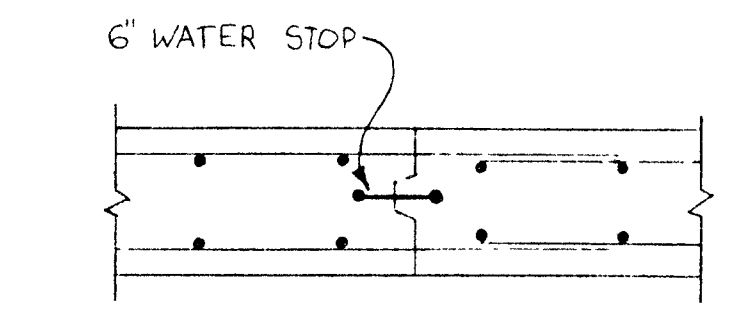
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NOTE: BRACE POOL WALLS DURING BACKFILL & COMPACTION OPERATIONS.

NOTE: FLOOR DEPRESSION IN NAIMATORIUM AROUND POOL. SEE ARCH'L



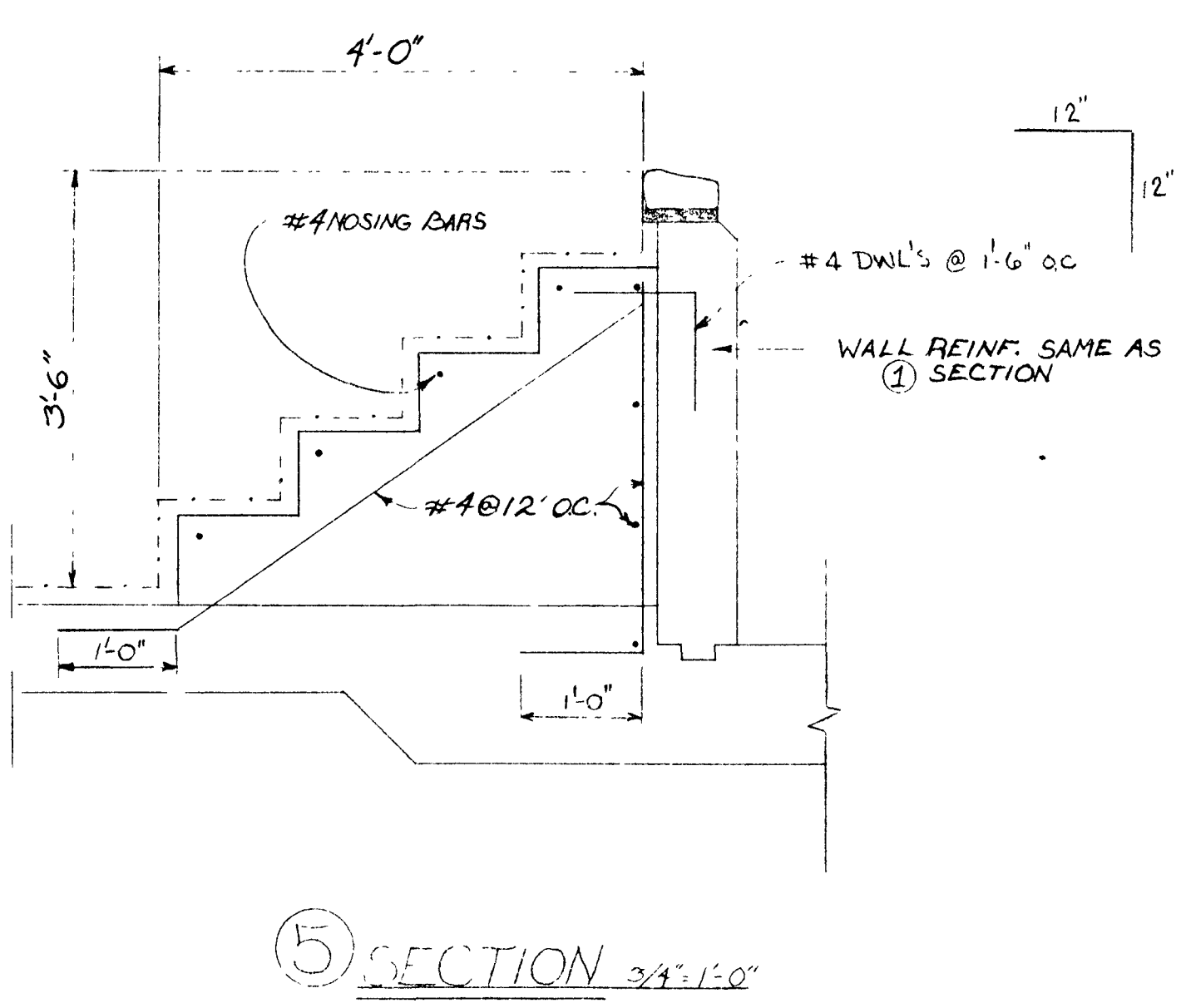
POOL WALL CONSTRUCTION JOINT DETAIL 3/4\"/>



NOTE: POOL CONTRACTOR SHALL PROVIDE FOR THE FOLLOWING EQUIPMENT ITEMS WHICH WILL BE CAST IN THE WALLS OR SLAB OF THE POOL:
 STEPS, FOOTREST, DIVING STANDS, LIGHTS, GRAB RAILS, SCRAMPLING PLATFORMS, LADDERS, BULKHEADS, ETC. - COORDINATE SIZE & LOCATION W/ ARCH'T & POOL EQUIPMENT MFR.
 FLOOR SLAB: PROVIDE 6\"/>

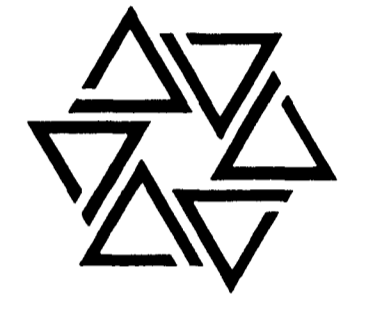
NOTE:
 WALL FTGS UP TO 2'-6\"/>

PK	SIZE	REINF.	T/FTG. EL. (J.N.C.)
F-1	3'-0\"/>		
F-2	3'-6\"/>		
F-3	3'-6\"/>		
F-4	4'-0\"/>		
F-5	5'-0\"/>		
F-6	5'-0\"/>		
F-7	5'-0\"/>		
F-8	5'-6\"/>		
F-9	6'-0\"/>		
F-10	7'-0\"/>		
F-11	7'-6\"/>		
F-12	4'-0\"/>		
F-13	4'-0\"/>		
F-14	4'-0\"/>		
F-15	4'-0\"/>		
F-16	5'-0\"/>		
F-17	5'-0\"/>		





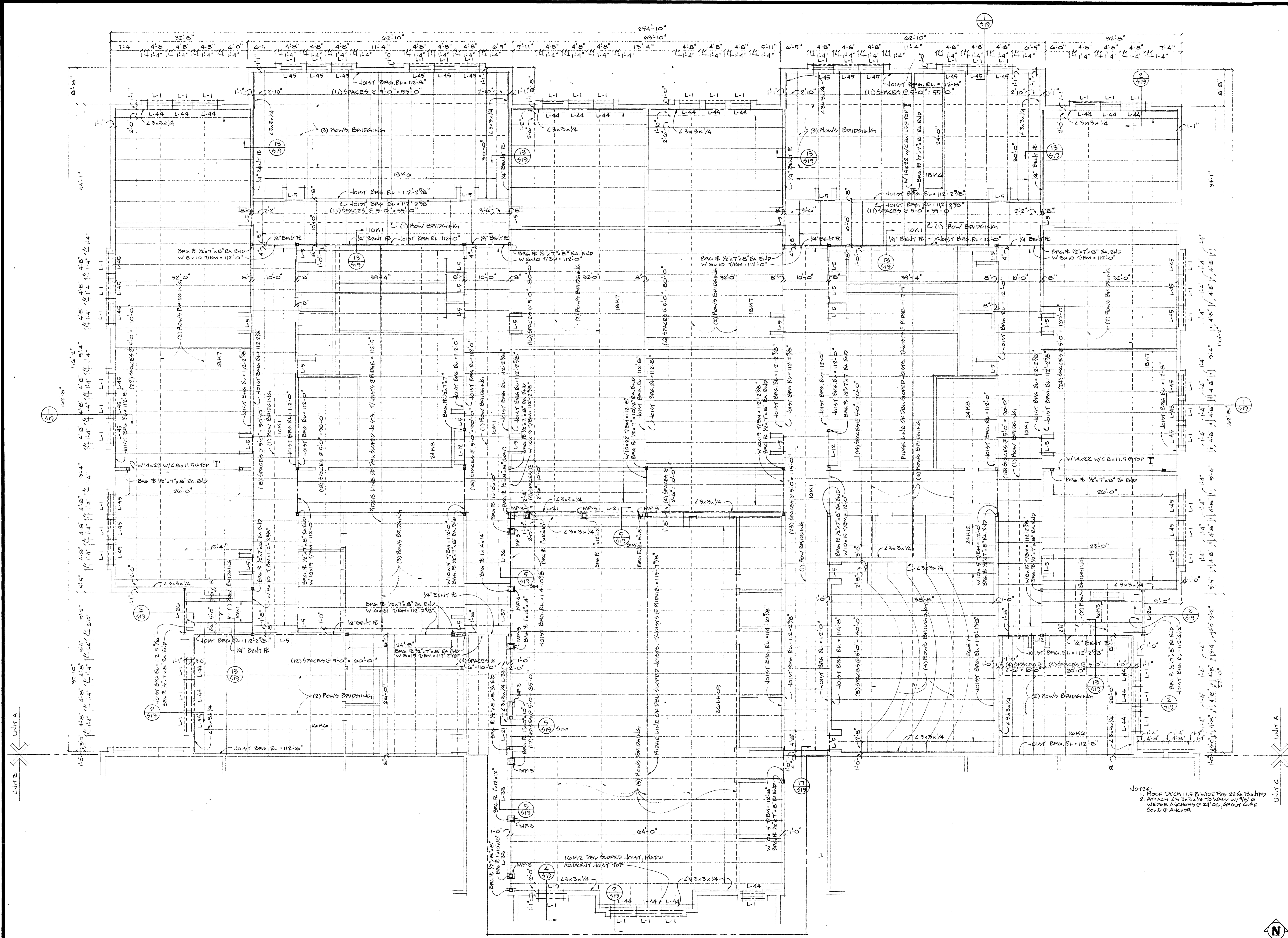
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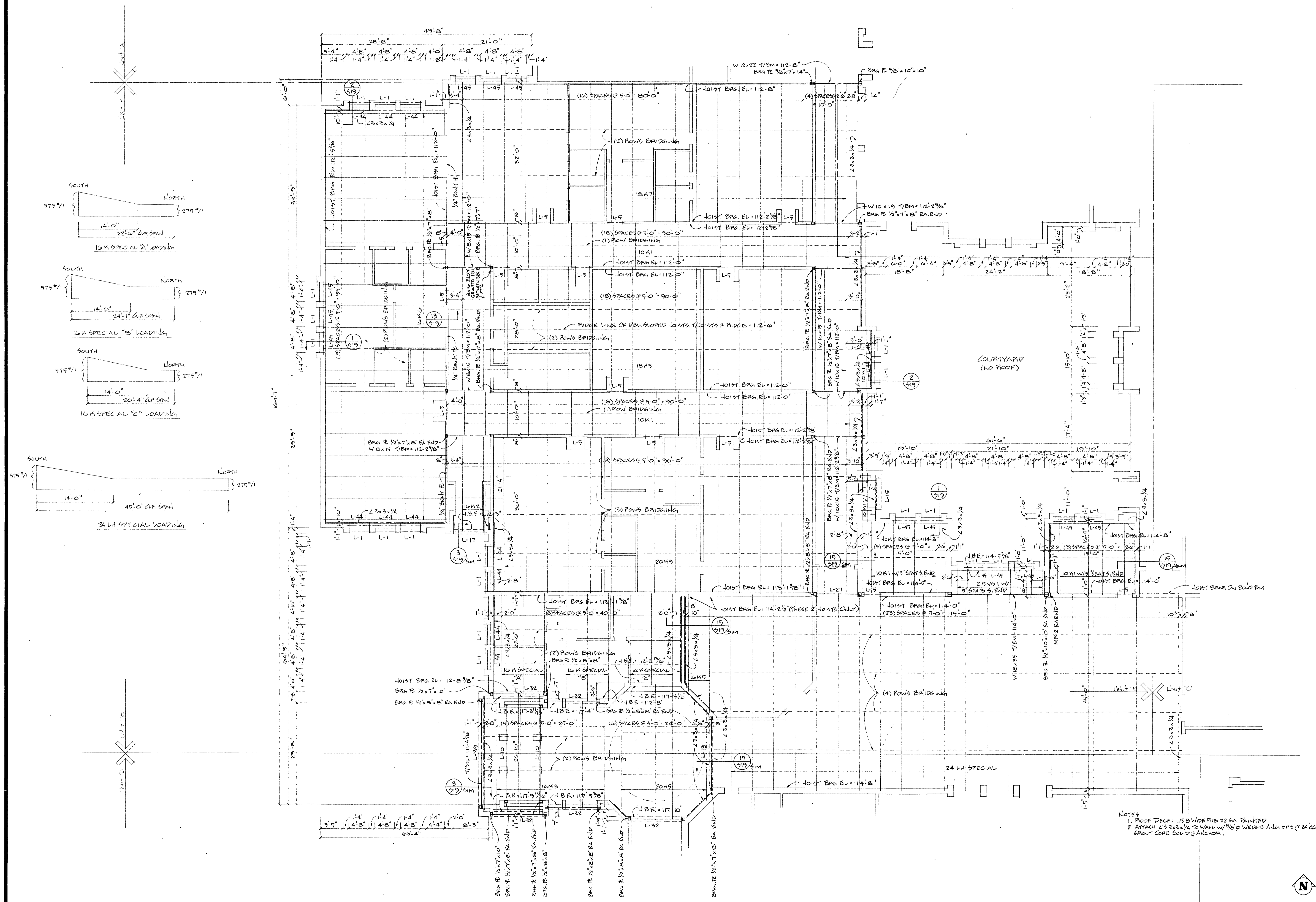
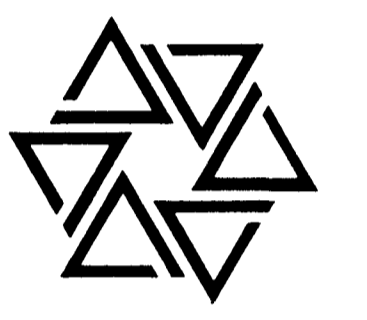
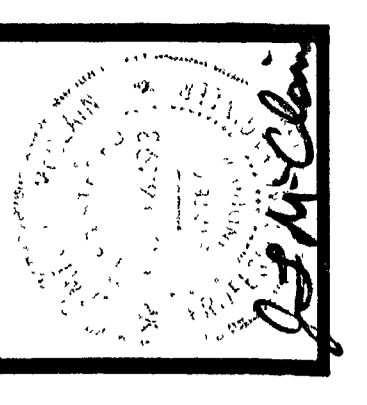
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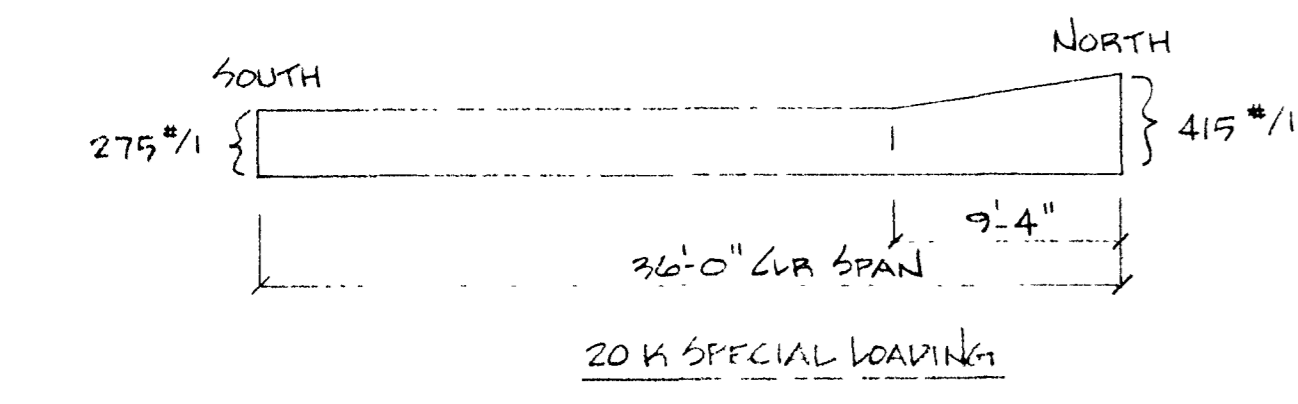
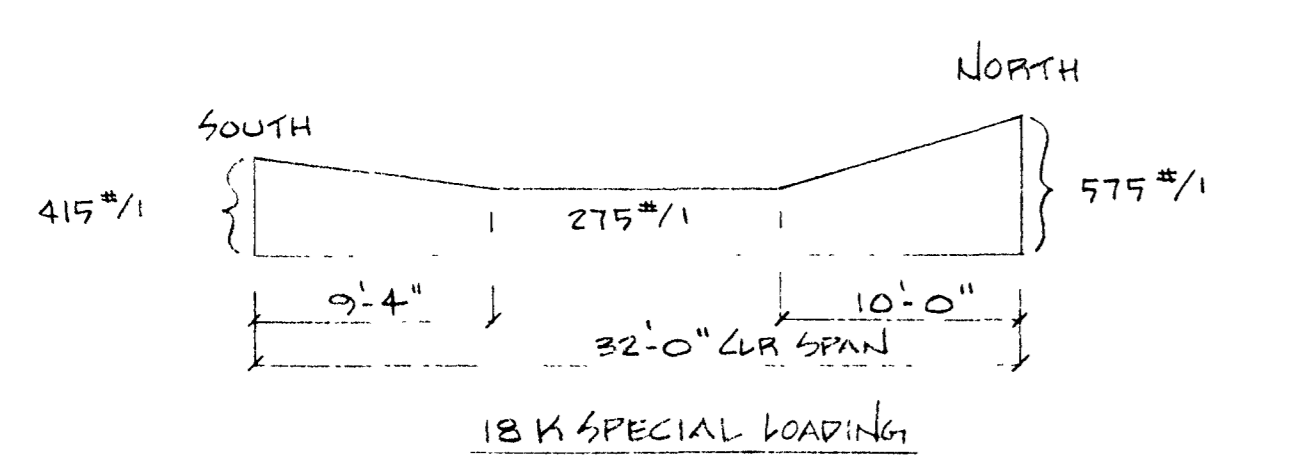
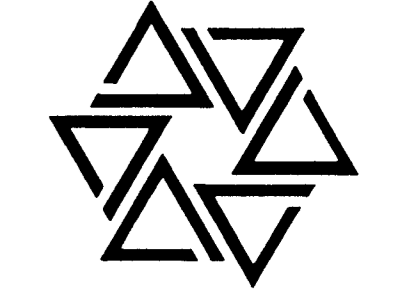
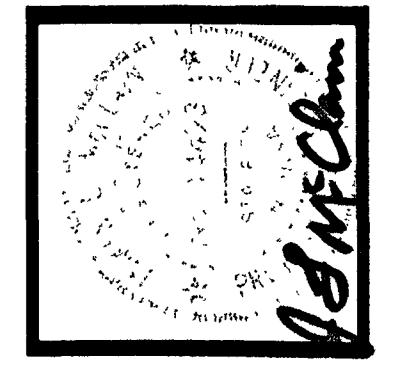
NOTES:
 1. ROOF DECK: 1.5\"/>

UNIT 'A' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"

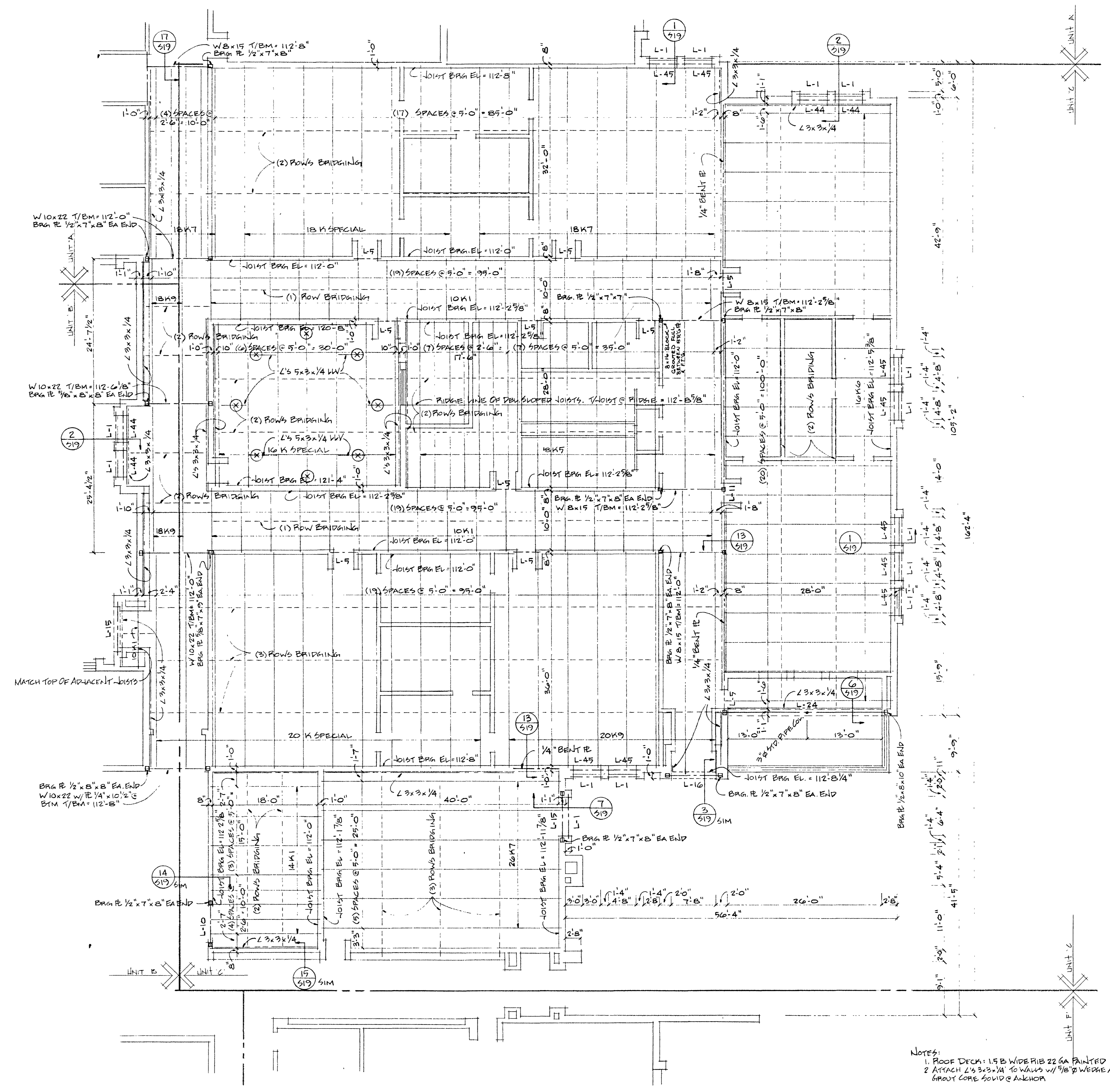


NOTES
 1. ROOF DECK: 1.5" WIDE FIB 22 GA. PAINTED
 2. ATTACH L'S 3/4" TO WALL W/ 9/8" WEDGE ANCHORS @ 24" OC, GROUT CORE SOUND @ ANCHOR.

UNIT 'B' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"

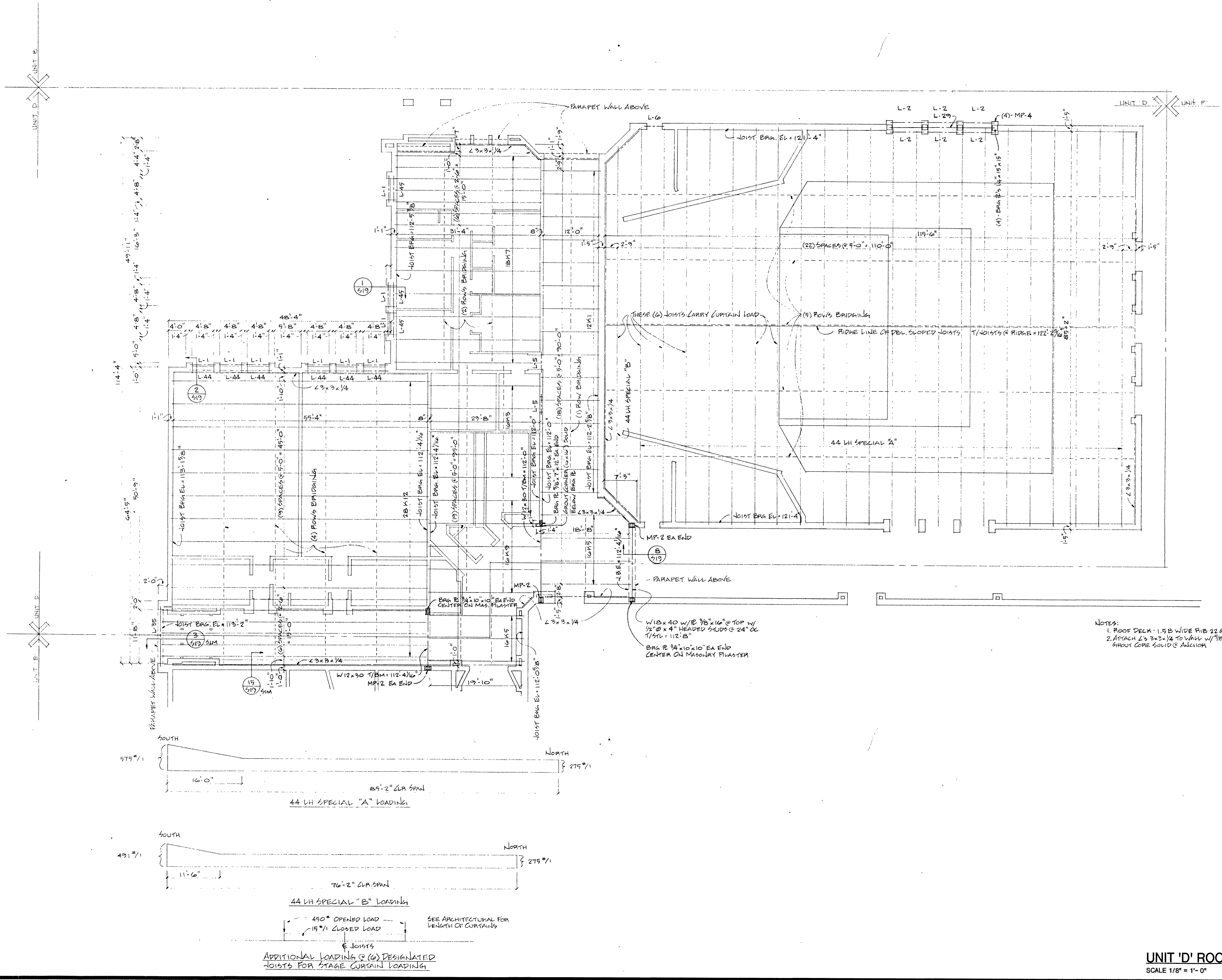
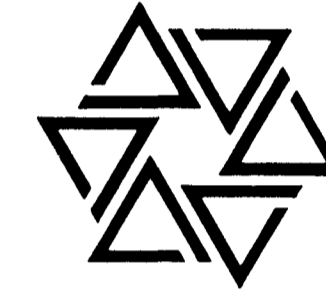
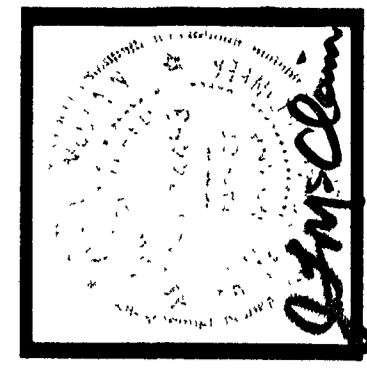


NOTE:
 18 K SPECIALS TO SUPPORT 275 PLF UNIFORM LOAD. IN ADDITION TO THIS LOAD THESE JOISTS SHALL SUPPORT 1000# POINT LOADS (8 TOTAL) @ LOCATIONS IDENTIFIED W/ (X) & PLANETARIUM. SEE ARCH' FOR EXACT LOCATION OF THESE POINTS.



NOTES:
 1. ROOF DECK: 1 1/2" WIDE FIBER CEMENT BOARD
 2. ATTACH L'S 3x3x1/4 TO WALLS W/ 3/8" WEDGE ANCHORS @ 24" OC., GROUT CORE SOLID & ANCHOR

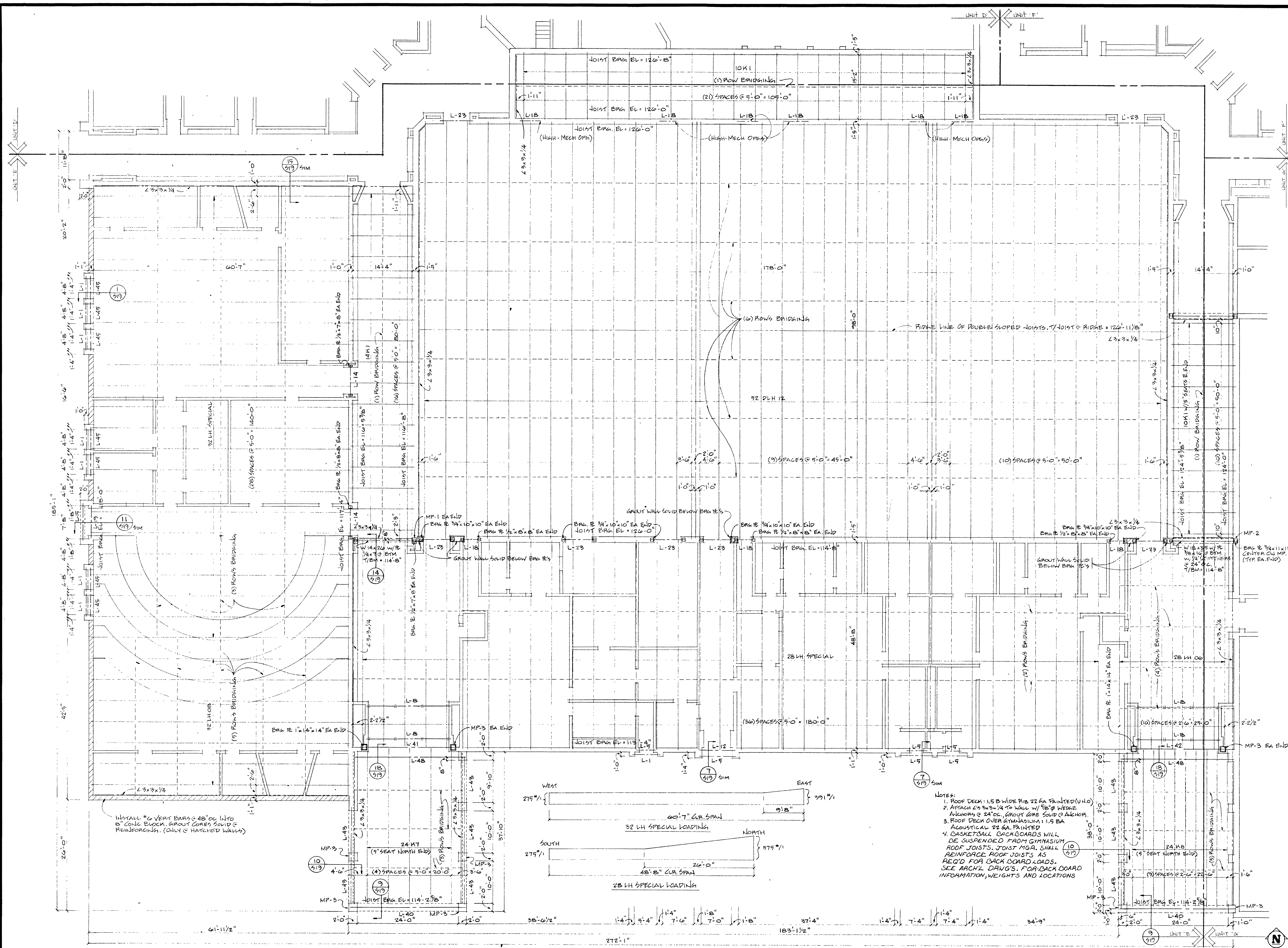
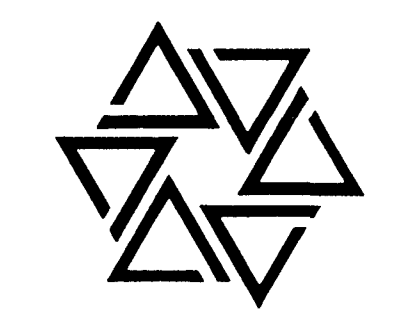
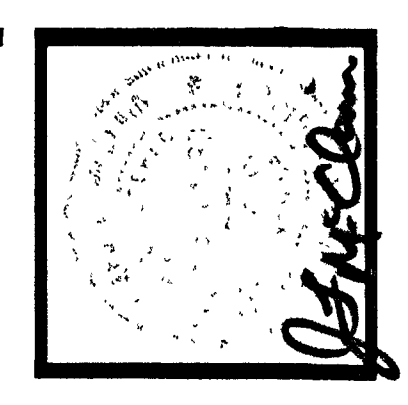
UNIT 'C' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"



- NOTES:
 1. ROOF DECK - 1.5" WIDE RIB 22 GA PAINTED
 2. ATTACH L'S 3x3x1/4 TO WALL W/ 1/2" P WEDGE ANCHORS @ 24" OC, GROUT CORE SOLID @ ANCHOR

ADDITIONAL LOADING @ (6) DESIGNATED JOISTS FOR STAGE CURTAIN LOADING
 SEE ARCHITECTURAL FOR LENGTH OF CURTAINS

UNIT 'D' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"

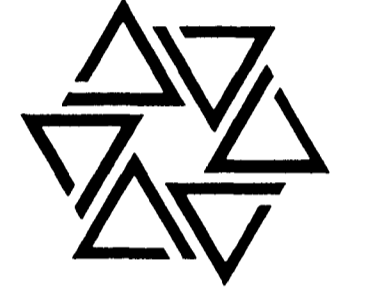


- NOTES:
1. ROOF DECK 1.5 B WIDE FIB 22 GA PAINTED (U10)
 2. ATTACH L3 3/4 x 3/4 TO WALL W/ 7/8" W WEDGE ANCHORS @ 24" OC, GROUT CORE SOLID @ ANCHORS.
 3. ROOF DECK OVER GYMNASIUM 1.5 BA ACOUSTICAL 22 GA PAINTED
 4. CASSET BALL CATCHERS WILL BE SUSPENDED FROM GYMNASIUM ROOF JOISTS. JOIST MGA SHALL REINFORCE ROOF JOISTS AS REQ'D FOR BACK BOARD LOADS. SEE ARCH'L DWG'S. FOR BACK BOARD INFORMATION, WEIGHTS AND LOCATIONS

UNIT 'E' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"



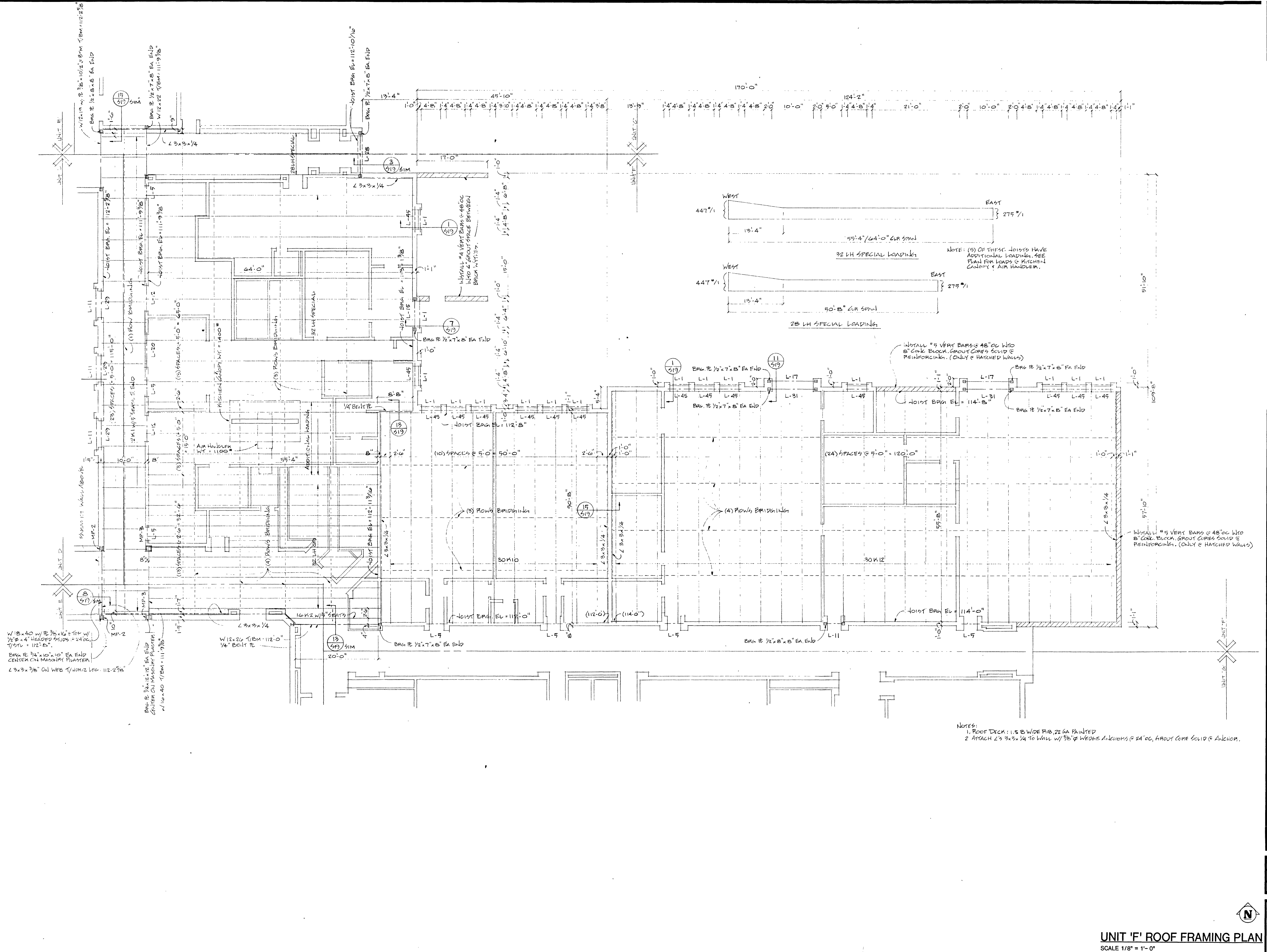
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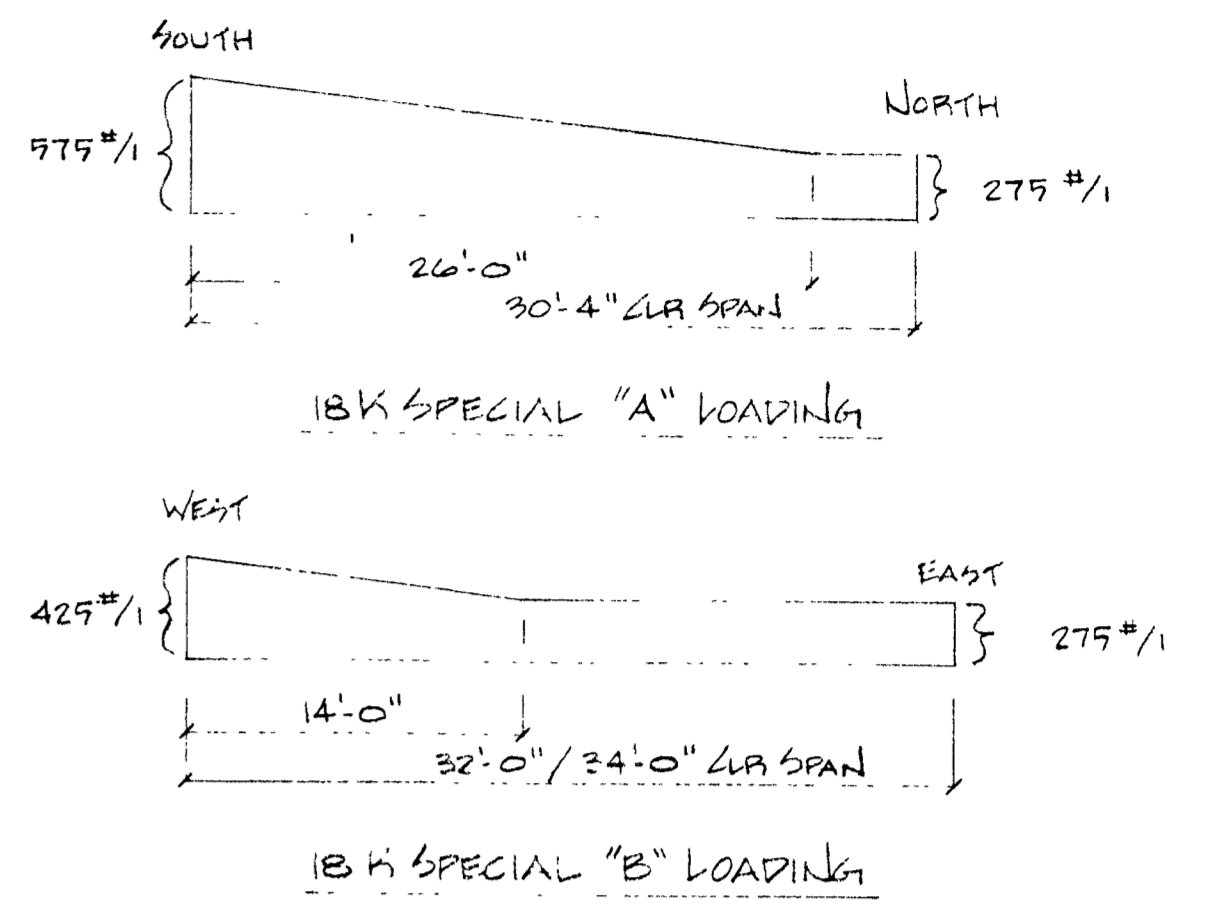
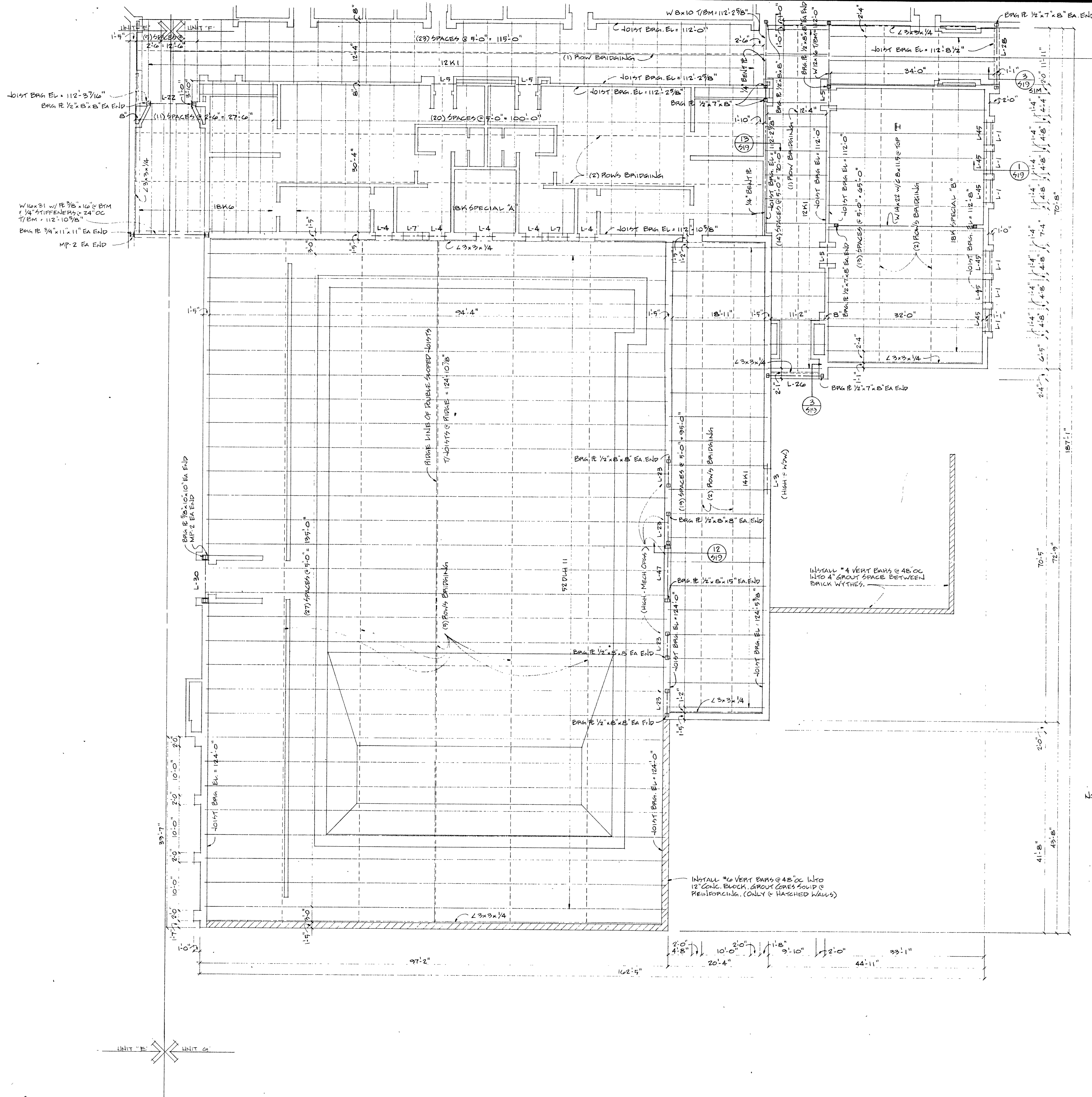
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NOTES:
 1. ROOF DECK: 1.5" B. WIDE P/B, 22 GA. PAINTED
 2. ATTACH L'S 3"x3"x1/4" TO WALL W/ 3/8" WEDG. ANCHORS @ 24" OC, ABOUT CORE SOLID @ ANCHOR.

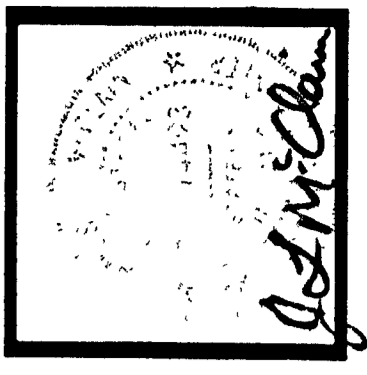
UNIT 'F' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"



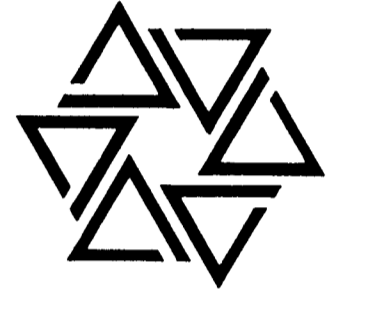
NOTES:
 1. ROOF DECK - 1.5\"/>

INSTALL #6 VERT BARS @ 48\"/>

INSTALL #4 VERT BARS @ 48\"/>



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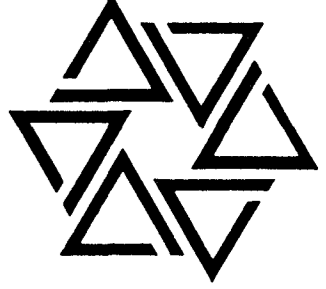
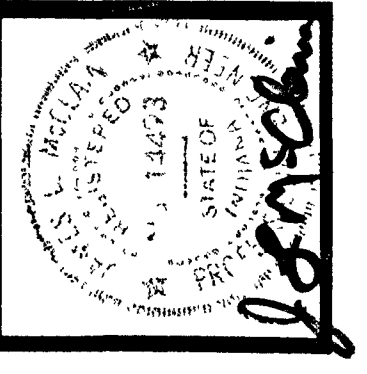


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 WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA**

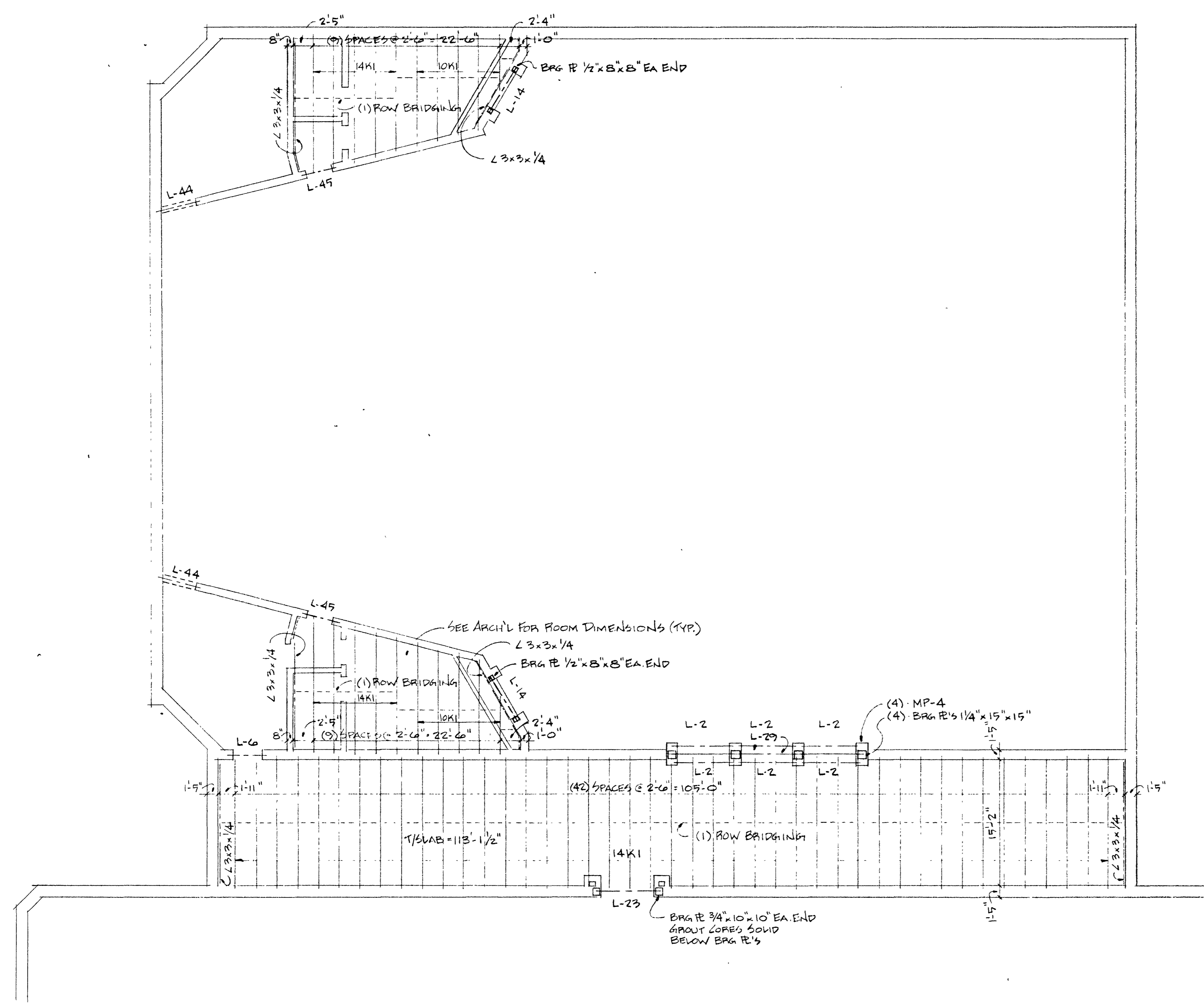
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S17

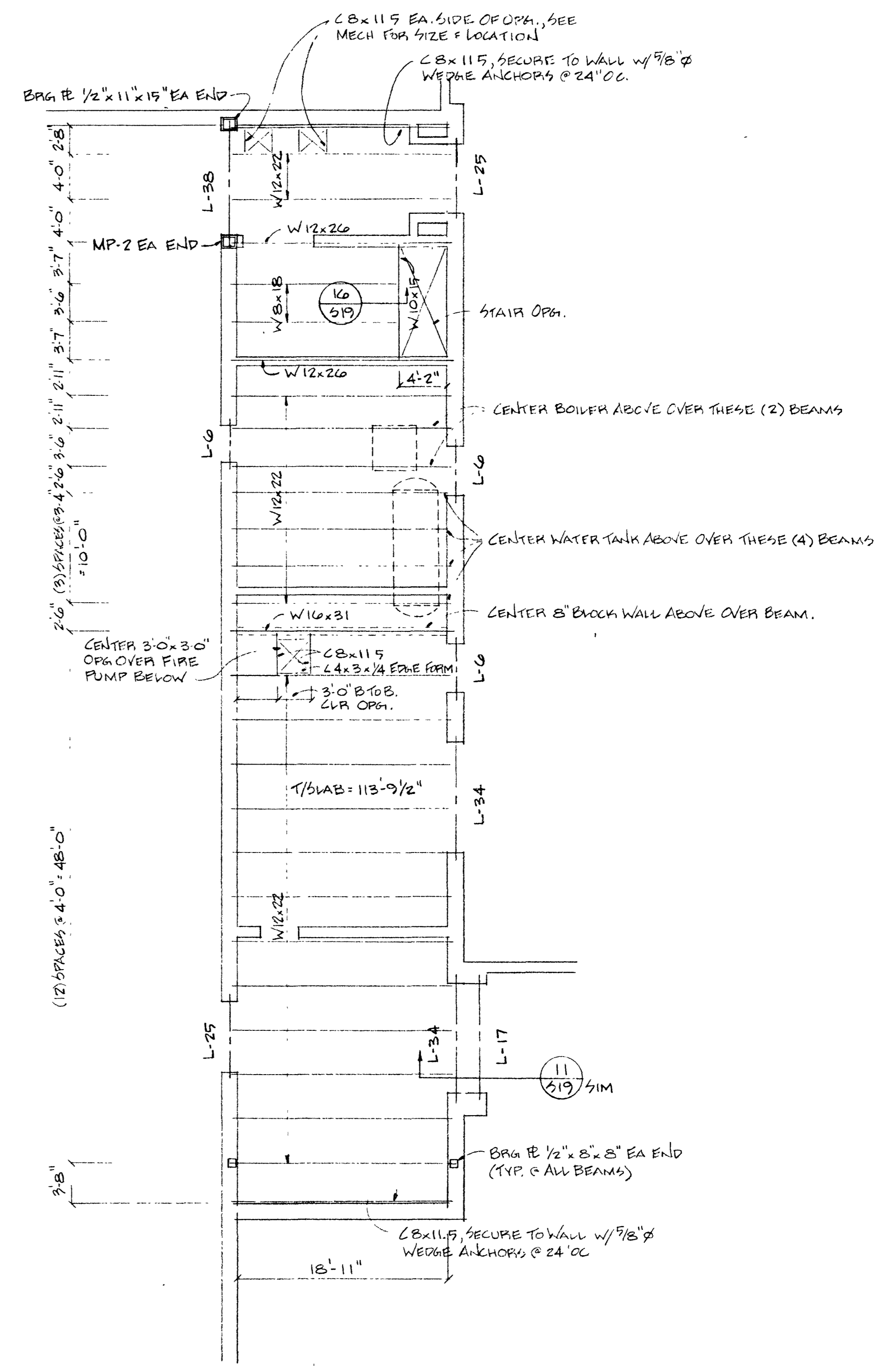
UNIT 'G' ROOF FRAMING PLAN
 SCALE 1/8" = 1'-0"



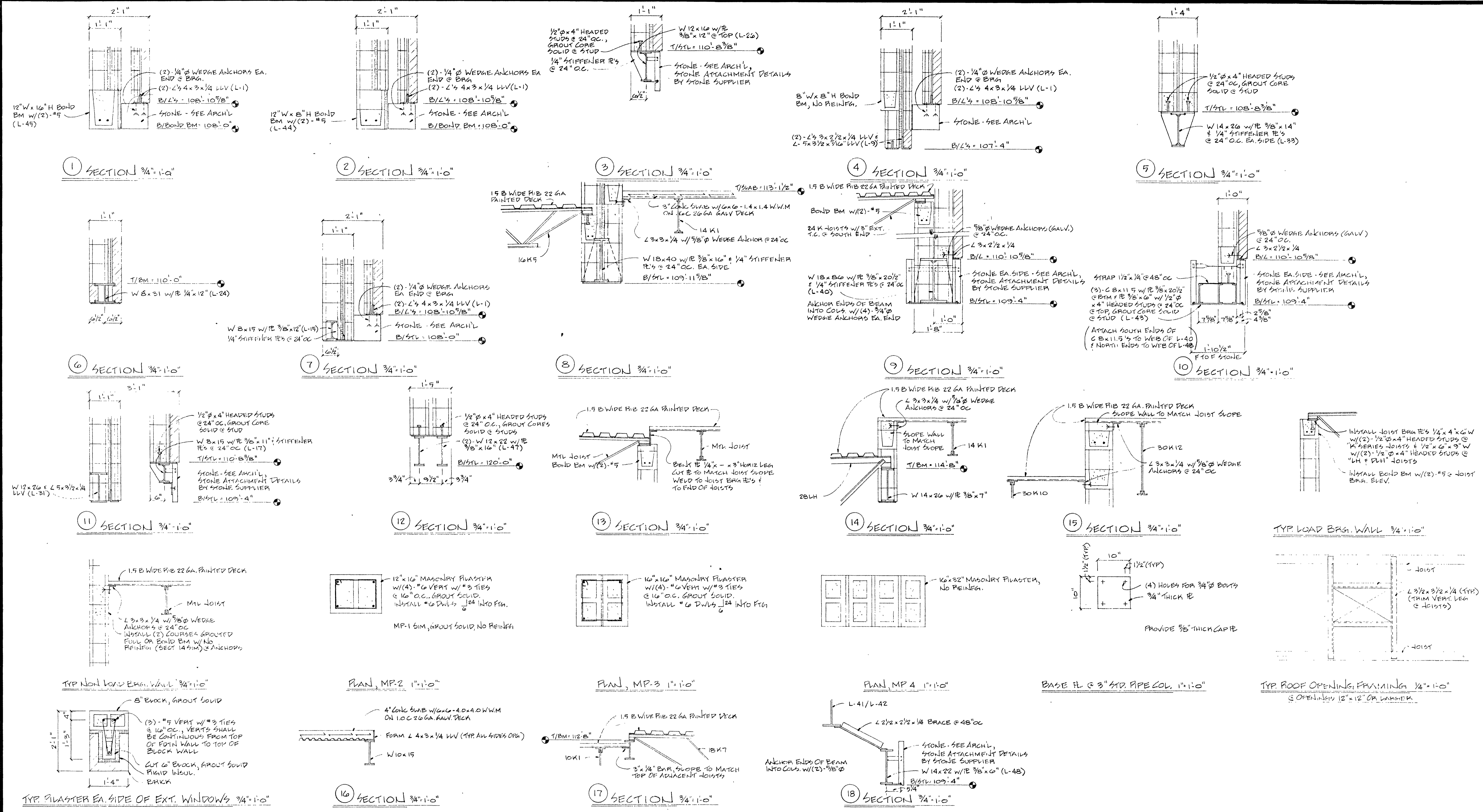
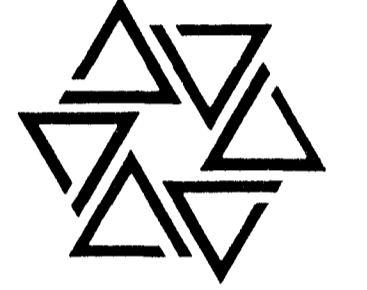
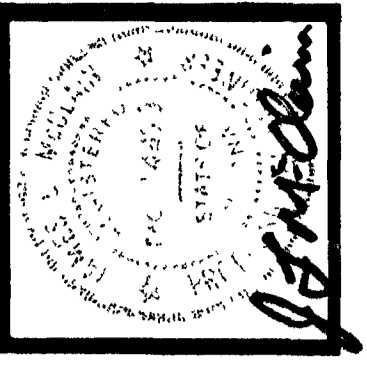
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- NOTES:
1. FLOOR DECK - 60 Z6 GA GALV.
 2. JOIST BRG EL = 112'-8"
 3. 3" CONC SLAB (INCL DECK) W/ 6x6-14x14 W.W.M.
 4. ATTACH L'S 3x3-1/4 W/ 3/8" WELDED ANCHORS @ 24" OC., ABOUT CORE SOLID @ ANCHOR



- NOTES:
1. FLOOR DECK - 100 Z6 GA GALV
 2. T/6" BM EL = 119'-5 1/2"
 3. 4" CONC. SLAB (INCL DECK) W/ 6x6-40x40 W.W.M.

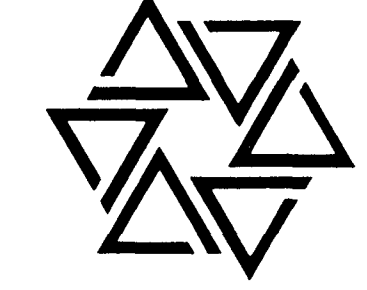


LINTEL SCHEDULE

MARK	SIZE	SECT	REMARKS	MARK	SIZE	SECT	REMARKS
L-1	(2)-2 1/2 x 4 x 3/4 LLV	JL		L-26	W 12 x 16 W/R 3/8 x 12" @ TOP	I	SEE SECT "9"
L-2	(2)-2 1/2 x 4 x 3/2 x 1/4 LLV	JL		L-27	W 12 x 19 W/R 3/8 x 10 1/2" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC
L-3	(2)-2 1/2 x 4 x 3/2 x 1/4 LLV	JL		L-28	W 12 x 22 W/R 3/8 x 12" @ TOP	I	SEE SECT "3", SIM
L-4	(4)-2 1/2 x 4 x 3/2 x 1/4 W/R 3/8 x 16" @ BTM (LLV)	JL		L-29	W 12 x 22 W/R 3/8 x 16" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC
L-5	(2)-2 1/2 x 3 x 3/2 x 3/16 LLV	JL		L-30	W 12 x 22 W/R 3/8 x 16" @ TOP	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC
L-6	(4)-2 1/2 x 3 x 3/2 x 3/16 LLV	JL		L-31	W 12 x 26 @ L 5 x 3/2 x 3/8 LLV	IL	SEE SECT "11"
L-7	(4)-2 1/2 x 3 x 3/2 x 3/16 W/R 3/8 x 16" @ BTM (LLV)	JL		L-32	W 12 x 26 W/R 3/8 x 12" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC
L-8	(2)-2 1/2 x 7 x 4 x 3/8 LLV	JL		L-33	W 14 x 26 W/R 3/8 x 14" @ TOP	I	SEE SECT "9"
L-9	(2)-2 1/2 x 3 x 2 x 1/4 @ (1)-L 5 x 3/2 x 3/16 (LLV)	JL		L-34	W 14 x 30 W/R 1/4" x 10 1/2" @ BTM @ L 5 x 3/2 x 3/8	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC, SEE SECT "11", SIM
L-10	W 8 x 10 W/R 1/4" x 6 1/2" @ BTM	I		L-35	W 14 x 30 W/R 3/8 x 12" @ TOP	I	SEE SECT "2", SIM
L-11	W 8 x 10 W/R 3/8 x 10 1/2" @ BTM	I		L-36	W 14 x 30 W/R 3/8 x 14" @ TOP	I	SEE SECT "9", SIM
L-12	W 8 x 15 W/R 1/4" x 6 1/2" @ BTM	I		L-37	W 14 x 34 W/R 3/8 x 14" @ TOP	I	SEE SECT "9", SIM
L-13	W 8 x 15 W/R 1/4 x 6 1/2" @ TOP	I	1/2" x 4" HD. STUDS @ 24" OC	L-38	W 14 x 34 W/R 3/8 x 16" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC
L-14	W 8 x 15 W/R 3/8 x 10 1/2" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC	L-39	W 18 x 35 W/R 3/8 x 12" @ BTM	I	SEE SECT "3", SIM
L-15	W 8 x 15 W/R 3/8 x 12" @ BTM	I	SEE SECT "7"	L-40	W 18 x 36 W/R 3/8 x 20 1/2" @ BTM	I	SEE SECT "9"
L-16	W 8 x 15 W/R 3/8 x 12" @ TOP	I	SEE SECT "3", SIM	L-41	W 24 x 57	I	T/BM = 113'-4"
L-17	W 8 x 15 W/R 3/8 x 11" @ TOP	I	SEE SECT "11"	L-42	W 24 x 62	I	T/BM = 113'-4"
L-18	W 8 x 15 W/R 3/8 x 16" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC	L-43	(3)-C 8 x 11.5 W/R 3/8 x 22" @ BTM @ 3/8 x 6" @ TOP @ L 3 x 2 1/2 x 1/4	III	SEE SECT "10"
L-19	W 8 x 18 W/R 3/8 x 12" @ TOP	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC, 1/2" x 4" HD. STUDS @ 24" OC	L-44	BOND BM 12" W x 8" H W/(2) - #5	III	SEE SECT "2"
L-20	W 8 x 21 W/R 1/4" x 6 1/2" @ BTM	I		L-45	BOND BM 12" W x 16" H W/(2) - #5	III	SEE SECT "1"
L-21	W 8 x 21 W/R 3/8 x 14" @ TOP	I	SEE SECT "5", SIM	L-46	W 21 x 44	I	
L-22	W 8 x 28 W/R 3/8 x 10 1/2" @ BTM	I		L-47	(2)-W 12 x 22 W/R 3/8 x 16" @ TOP	I	SEE SECT "12"
L-23	W 8 x 28 W/R 3/8 x 16" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC	L-48	W 14 x 22 W/R 3/8 x 6" @ BTM	I	SEE SECT "18"
L-24	W 8 x 31 W/R 1/4 x 12" @ BTM	I	SEE SECT "6"				
L-25	W 8 x 31 W/R 3/8 x 16" @ BTM	I	1/4" STIFFENER R'S EA. SIDE @ 24" OC				



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GENERAL NOTES

GENERAL

- Contractor shall be responsible for all existing dimensions and job site conditions. If discrepancies between actual conditions and those shown on documents exist, notify Architect/Engineer in writing prior to construction.
- Governing building codes are as follows:
 - 1985 Uniform Building Code and Indiana Construction Rules
 - A.C.I. Building Code Requirements for Reinforced Concrete (A.C.I. 318-82)
 - Code of Standard Practice for Steel Construction, A.I.S.C. 8th Edition.
- Plans are to indicate scope of work to be performed. Contractor shall be responsible to perform all work within that scope whether or not all details are shown.

EARTHWORK

- Remove topsoil, existing fill material, debris, organic pockets, etc. from building and pavement areas. After stripping, proof roll areas and remove soft pockets.
- Structural fill shall be compacted to 95% Standard Proctor density under floor slabs (4" minimum granular fill under floor slabs). Structural fill under footings must be compacted to 98% Standard Proctor density. Fill material shall be placed in layers not to exceed 8" in loose thickness.
- Backfilling of all walls shall be of clean granular fill compacted in 8" maximum layers except the top 18" of backfill occurring outside of the building (not including sidewalks adjacent to building) shall be of well compacted clay as a seal against surface water intrusion.
- Backfill occurring against both faces of any wall shall be placed simultaneously.
- All footings shall rest on undisturbed soil (unless noted otherwise).
- Net allowable soil pressures are as follows:
 - Spread footings: 2800 psf
 - Continuous wall footings: 2000 psf

7) General Contractor's soils engineer shall field inspect all footings at depths indicated to confirm that soil bearing pressure is as noted on these documents. If suitable bearing is not obtained at depth indicated, soil engineer shall direct method of obtaining stated bearing pressure. Method shall be approved by Architect/Engineer prior to construction. Under no condition shall footings be placed on soft material.

CONCRETE

- All design and details to comply with A.C.I. 318-82.
- Mix designs are as follows:

Compressive strength PSI 28 day	3000	4,000
Water/cement	6-1/2	5
Gallon/sack (maximum)		
Cement	4-1/2	6
Sack/cubic yard (minimum)		
- Maximum slump to be 4"
- Concrete strengths and densities shall be as follows:

Exterior flatwork	4,000 psi
Interior concrete and foundations	3,000 psi
- Minimum concrete cover over main reinforcing steel shall be as follows:
 - At foundations: 3"
 - At all dirt faces of walls and wall faces exposed to weather: 2"
 - At all piers and ties and beam stirrups: 1-1/2"
 - At structural slabs and other wall surfaces: 3/4"
- Provide shop drawings and/or manufacturer's data for reinforcing steel, forming accessories, admixtures, joint materials and concrete mix design information. Shop drawings shall be approved prior to construction.
- Provide two (2) #5 bars (one at each face) around all openings in walls and structural slabs. Bars shall extend 2'-0" beyond opening limits where possible or be provided with standard A.C.I. 90 degree bend ends.
- Dovetail or tie-to masonry anchors required at all points of contact between masonry and poured-in-place concrete.

- All reinforcing steel shall be ASTM A-615, Grade 60. All W.F. shall be of cold drawn wire and shall meet all requirements of ASTM A-185.
- Provide appropriate depressions in slabs for floor material. Maintain full slab below these depressions. See architectural finish schedules, floor plans and details for locations and details of required depressions.
- Anchor bolts shall be ASTM A307, and shall be set true and plumb with the use of templates.
- Cast-in-place shall include but not be limited to the following:
 - Plates at top of walls
 - Plates at beam pockets
 - Anchor bolts and sleeves

MASONRY

- Hollow load-bearing units shall conform to ASTM C-90, Grade A, minimum $f'_m = 1,350$ psi.
- Bond beam block units and pilaster block units shall be of same aggregate and surface texture as wall units.
- Install horizontal reinforcement, Dur-O-wall or equal, in alternate joints of walls starting with the first joint above starting course.
- Mortar shall conform to ASTM C-270, Type M or S for masonry.
- Intersecting masonry walls and partitions shall be bonded by use of steel ties @ 24" o. c. maximum. Corners shall have a standard masonry bond by overlapping units.
- Reinforcing steel shall be lapped 30 bar diameters minimum where spliced.
- Vertical reinforcing shall have a minimum clearance of 1/4" from masonry.
- Mortar droppings shall be kept out of grout space.
- All grout shall be puddled or vibrated in place.
- Hollow unit masonry shall be grouted in vertical lifts not to exceed 4'-0".
- Cells containing reinforcement shall be solidly filled with grout and pours shall be stopped 1-1/2" below top of a course to form a key at pour joints.

12) Where steel framing bears on masonry, either grout 2 block courses full beneath bearing elevation or install a CMU bond beam with (2) #5 bars beneath bearing elevation U.N.C.

MASONRY PILASTER

- All masonry units used to construct pilasters shall be ASTM C90 with limestone aggregate. Minimum compressive strength for all masonry units used to construct pilasters shall be $f'_m = 1,500$ psi.
- Mortar at masonry pilaster shall be Type S or M.
- Reinforcing steel shall be lapped 48 bar diameters minimum where spliced. Vertical reinforcing shall have a minimum clearance of 1/4" from masonry.
- Cells containing reinforcement shall be solidly filled with grout in vertical lifts not to exceed 4'-0". Mortar droppings shall be kept out of grout space. Grout shall be puddled or vibrated in place and shall stop 1-1/2" below top of a course to form a key at pour joints.

STRUCTURAL STEEL

- All structural steel shall be detailed with load transmitting field connections made with 3/4" diameter ASTM A325 bolts. Shop connections shall be welded. All connections and splices shall be clearly detailed on the shop drawings for approval.
- Steel yield stresses (F_y) are as follows:
 - Wide flange columns: 36 ksi
 - Tube columns: 46 ksi
 - Beams: 36 ksi
 - Miscellaneous metals: 36 ksi
- Provide 1/4" beam stiffeners to all beams at center line of columns crossed over by beams except where framed connections of other beams occur.
- Shop paint structural members with "SP3-Paint 13" unless otherwise noted.
- Set leveling plates on cleaned bearing surfaces using wedges or other adjustments as required. Solidly pack open spaces with non-shrink, non-metallic grout.
- Field welds shall be made with E70 XX electrodes according to AWS. No field welding shall be done until proper fire precautions have been taken.

- All design, fabrication and erection of structural steel shall be in accordance with AISI and AWS specifications.
- Shop drawings shall show complete details and schedules for fabrication, layout and erection. Submit shop drawings for approval prior to fabrication.
- All connections not specifically detailed on contract documents shall be designed and detailed by the structural steel fabricator in compliance with A.I.S.C. standards. All connections shall be clearly shown on final shop drawings submitted for approval prior to fabrication.
- Lintels not indicated on plans are as follows:
 - Provide angle lintels over all openings and recesses in both interior and exterior walls unless otherwise noted. All lintels for mechanical and electrical openings are not shown. See mechanical and electrical plans for locations of lintels and lengths required for ductwork, pipes, electrical conduits, etc.
 - Angle lintels shall have a minimum end bearing on masonry of 4-1/2", but not less than 1" of such bearing for each foot of opening width. Angles in pairs shall be welded or bolted together with 1/2" diameter bolts, 1'-6" o.c. In case of single angle, anchor to concrete or masonry, backup with 1/2" diameter expansion type anchor at 1'-6" o.c.
 - Lintels for non-load bearing 4" block or brick shall be 4x3-1/2x5/16 angle for spans less than 7'-0". For spans 7'-0" to 10'-0" a 5x3-1/2x3/8 angle lintel shall be used.
 - For 4" block partitions use two (2) angles 3-1/2" x 2-1/2" x 5/16" for spans up to 10'-0". For 8" to 10" block partitions use two (2) angles 4" x 3-1/2" x 5/16" for spans up to 7'-0". For spans 7'-0" to 10'-0" use two (2) angles 3" x 3-1/2" x 3/8". For 12" walls use three (3) angles as specified for 8" to 10" walls above.
- Limestone supplier shall be responsible for support of all limestone from masonry or structural steel shown on the structural drawings. A complete set of placement and shop detail drawings shall be submitted to the Architect/Engineer for approval prior to fabrication.

JOIST

- All design, fabrication and erection of "K", "LH", and "DLH" series joist and joist girders shall be in accordance with S.I. specifications.

- Horizontal joist bridging shall consist of two (2) continuous horizontal steel members, one attached to the top chord and the other attached to the bottom chord. Attachment to the joist shall be made by welding or mechanical means. The ends of all bridging lines terminating at walls or beams shall be anchored thereto at top and bottom chords. Joist manufacturer shall verify that horizontal bridging shown is adequate to brace bottom chord against lateral movement under the net uplift pressure.
- Joist bearing shall be as follows:
 - "K" series
On concrete or masonry: 4" minimum
On steel: 2-1/2" minimum
 - "LH", "DLH" series
On concrete or masonry: 6" minimum
On steel: 4" minimum
- Joist manufacturer shall verify design for span, spacings, and slope shown on plan.
 - Roof load
Dead load: 25 psf
Live load: 30 psf
Net uplift: 10 psf
 - Floor load (U.N.C.)
Dead load: 40 psf
Live load: 125 psf
- Provide shop drawings showing complete details, schedules and layout for steel joist fabrication and erection. Submit shop drawings for approval prior to fabrication.
- Joist manufacturer shall verify locations and sizes of all roof openings and weights and locations of all mechanical units on roof with mechanical contractor prior to fabrication.

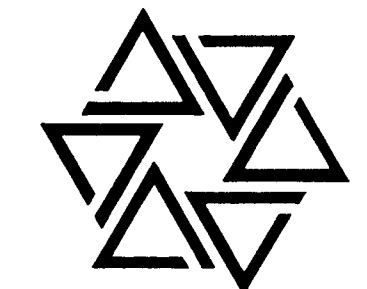
METAL DECK

- Provide shop drawings showing details and layouts of roof and form deck for approval.
- All design, fabrication and erection of metal roof and form deck shall be in accordance with SDI "Metal Deck Specifications".
- Shop paint shall be manufacturer's standard baked-on, rust-inhibitive paint on roof deck. Form deck shall be galvanized.
- Form deck units in lengths to span at least three (3) supports; flush, telescoped or nested 2" end laps; nested or interlocked side laps.

- Fasten roof deck units to steel supporting members by not less than 1/2" diameter plug welds spaced 6" o.c. at end laps and 12" o.c. at intermediate supports. Lock side laps between adjacent deck units at intervals not exceeding 30" o. c. by button punching.
- Form deck sheets shall be welded to supporting steel immediately after alignment. Welding washers shall be used on all deck units with metal thickness less than 0.028 inches; welding washers shall be a minimum thickness of 16 gauge and have a nominal 3/8" diameter hole. Follow manufacturer's recommendations for weld size and spacing.



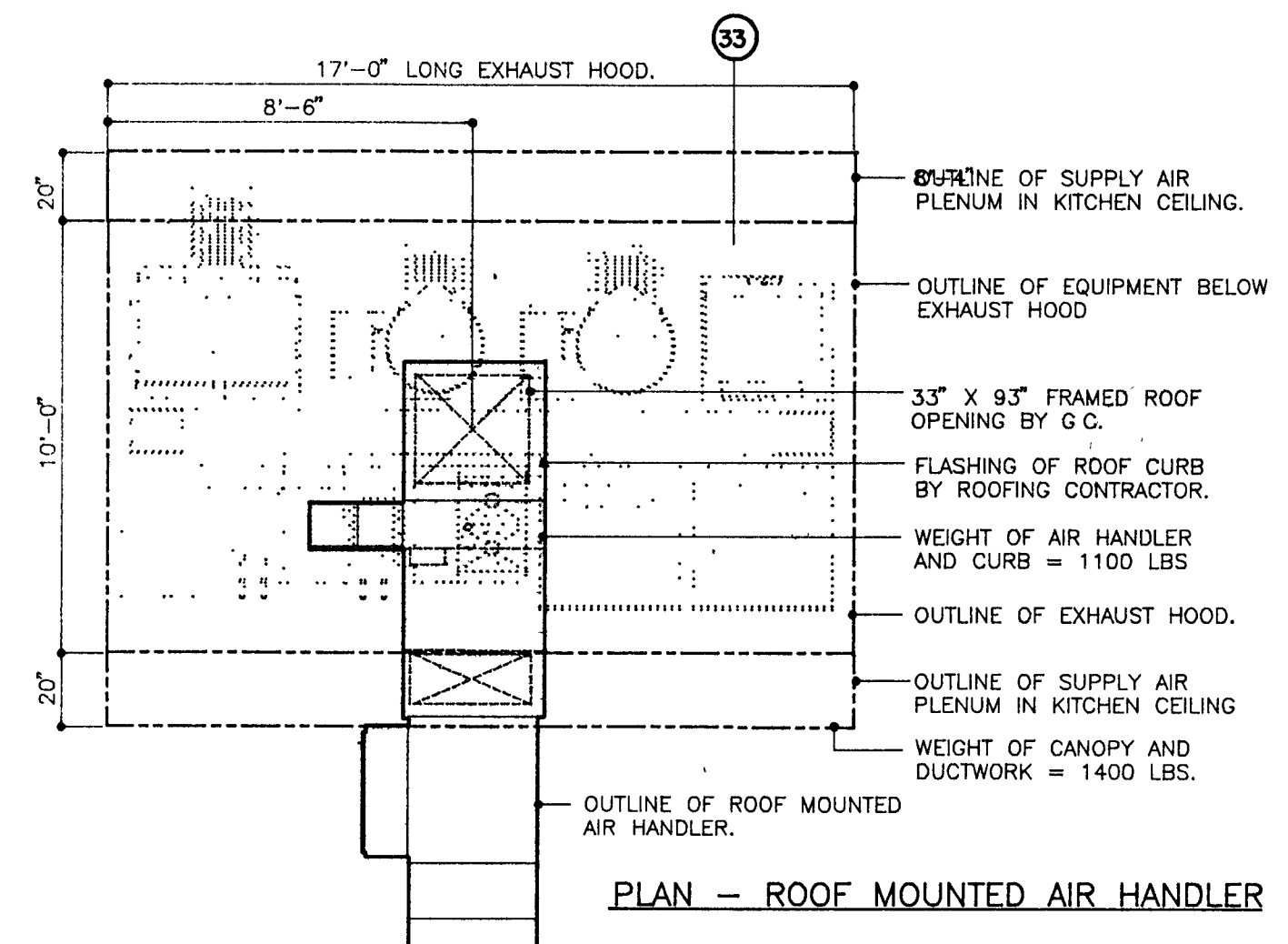
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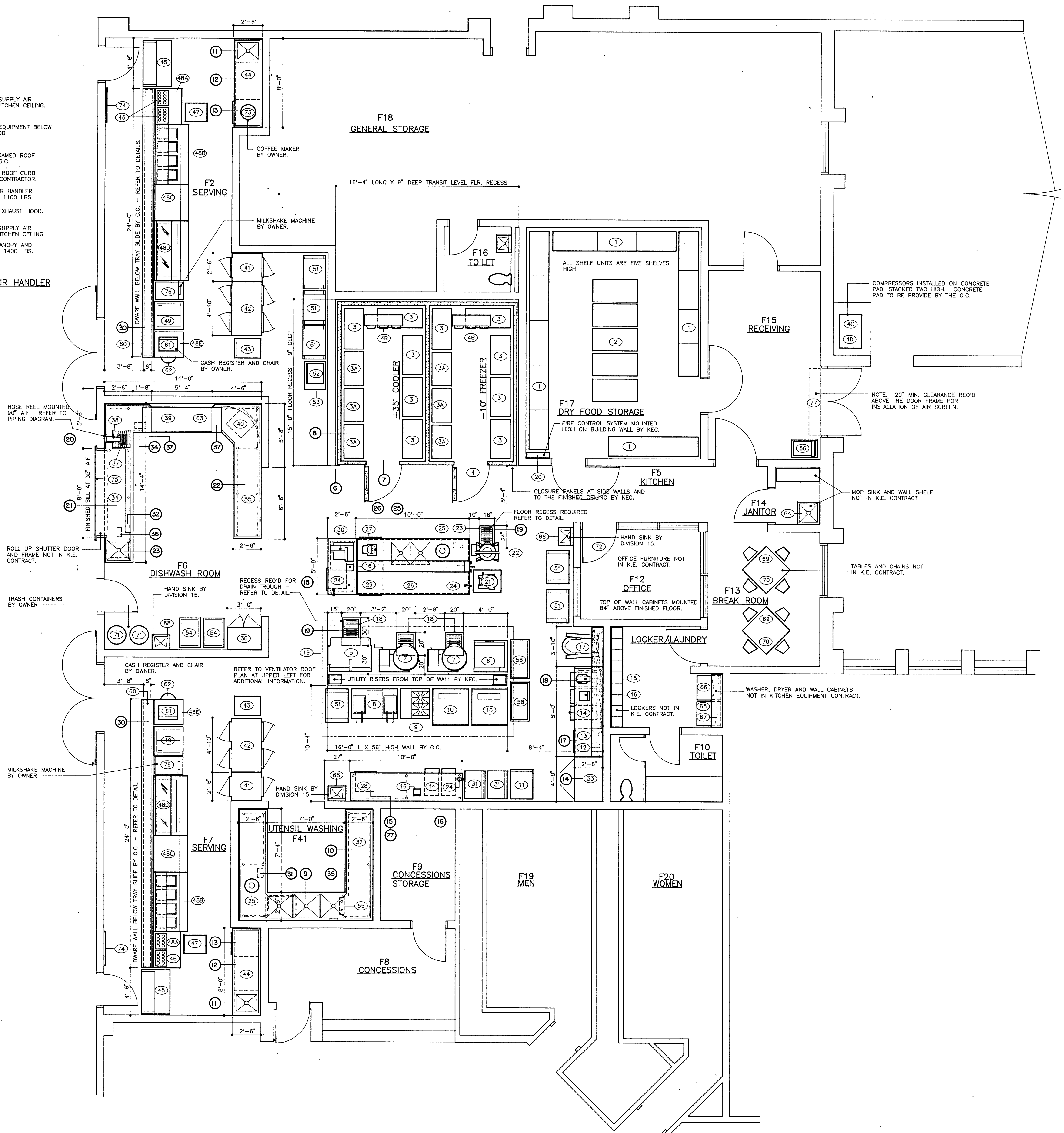
K1



MARK/QUAN	DESCRIPTION	MANUFACTURER & MODEL
1	13	SHELF UNIT METRO SUPER ERECTA SHELF
2	5	DUNNAGE PLATFORM METRO HP55C
3	10	SHELF UNIT, MOBILE METRO SUPER ERECTA SHELF
3A	6	DUNNAGE PLATFORM METRO HPM SERIES
4	1	WALK IN COOLER/FREEZER ELLIOTT WILLIAMS
4A	1	COOLER COIL HOHN ADF 090
4B	1	FREEZER COIL HOHN LET 090
4C	1	COOLER COMPRESSOR COPELAND CBAM-0103
4D	1	FREEZER COMPRESSOR COPELAND C1AL-0205
5	1	TILT SKILLET GROEN NHFP-4
6	1	CONVECTION STRAEMER CLEVELAND RANGE 9-PCQM-250-1
7	2	TILTING KETTLE, 40 GALLON GROEN DEE/4-40
8	2	RYKER W/FILTER, MOBILE KEATING 14TS/MOS-RLBC
9	1	RANK W/SPACER, MOBILE MONTAGUE 18-5/SF012
10	2	CONVECTION OVEN, MOBILE MONTAGUE 2-115A-SELF CLEAN
11	1	PROOF CABINET, MOBILE CRESCENT 120PH-1836
12	1	WALL CABINET ST. CHARLES ET
13	1	BAKERS TABLE, MOBILE FABRICATE
14	5	INGREDIENT BIN, MOBILE RUBBERMAID 3602
15	1	MIXER, 5 QT. HOBART N-50
16	3	SCALE EDLUND DR2
17	1	MIXER, 40 QT. HOBART H600
18	1	DRAIN TROUGH FABRICATE
19	1	RANGE HOOD MASTER AIR
20	1	FIRE SUPPRESSION SYSTEM ANNUL R-102
21	1	MIXER W/STAND, MOBILE HOBART A200/124078
22	1	CUTTER/MIXER HOBART HDM-350
23	1	DRAIN TRAY FABRICATE
24	3	CAN OPENER EDLUND NO. 1
25	2	DISPOSER IN SINK EXATOR SS125/CC101
26	1	ISLAND WORK COUNTER FABRICATE
27	1	FOOD PROCESSOR BROTHER COUPE BAK
28	1	COOKS TABLE, MOBILE FABRICATE

MARK/QUAN	DESCRIPTION	MANUFACTURER & MODEL
29	1	WORK TABLE, MOBILE FABRICATE
30	1	SLICER HOBART 1112
31	2	PAN RACK, MOBILE CRESCENT 200-1833
32	1	UTENSIL WASHING BIN FABRICATE
33	1	PAN STORAGE CABINET FABRICATE
34	1	SOILED DISHTABLE FABRICATE
35	1	CLEAN DISHTABLE FABRICATE
36	1	STORAGE CABINET ST. CHARLES ET1881-20
37	1	DISPOSER IN SINK EXATOR SS300/CC101
38	1	HOSE REEL T & S BRASS B-1403
39	1	DISHWASHER HOBART C44
40	1	BROASTER HEATER HATCO B-40
41	2	HOT FOOD PASS THRU TRAUEREN AHT-1-32-WP
42	2	COLD FOOD PASS THRU TRAUEREN AHT-2-32-WPUT
43	2	PASTRY CABINET, MOBILE CRESCENT 101-1812
44	2	BACK COUNTER W/SINK FABRICATE
45	2	MILK COOLER, MOBILE BEVERAGE AIR SM-49-N
46	4	PLATWARE DISPENSER STERIL SIL TUBS
47	4	TRAY DISPENSER, MOBILE SHELLEPMATIC TT2-1014
48	2	SERVING COUNTER, MOBILE PRECISION
48A	2	UTILITY COUNTER, MOBILE PRECISION BDU-1
48B	2	HOT FOOD COUNTER, MOBILE PRECISION BDU-4-U
48C	2	UTILITY COUNTER, MOBILE PRECISION BDU-1
48D	2	COLD FOOD COUNTER, MOBILE PRECISION BDU-4KT
48E	2	CASHIER COUNTER, MOBILE PRECISION BIM
49	2	ICE CHEAM CABINET, MOBILE KELVINATOR 40P
50	2	CONDIMENT COUNTER, MOBILE PRECISION BDU-4-RU
51	6	UTILITY CART, MOBILE RUBBERMAID 4520/4598
52	1	MICRO WAVE OVEN AMANA RF666
53	1	MICRO WAVE OVEN STAND RUBBERMAID 3637/3610
54	2	LINEN BIN, MOBILE RUBBERMAID 3637/3610
55	1	SINK HEATPR HATCO 3CS-9
56	1	SCALE W/MOBILE STAND HOBART HOB-15-100A

MARK/QUAN	DESCRIPTION	MANUFACTURER & MODEL
57		
58	2	SHELF TRUCK METRO P554-B5
59		
60	2	STAINLESS STEEL TRAY SLIDE FABRICATE
61	2	CASH REGISTER BY OWNER
62	2	CASHIER CHAIR BY OWNER
63	1	DETERGENT INJECTOR BY SOAP VENDOR
64	1	ROP SINK BY DIVISION 15
65	1	CLOTHES DRYER BY OWNER
66	1	CLOTHES WASHER BY OWNER
67	1	WALL CABINET BY OWNER
68	3	HAND SINK BY DIVISION 15
69	2	COOKS BREAK TABLE BY OWNER
70	8	CHAIR BY OWNER
71	LOT	TRASH CONTAINER, MOBILE BY OWNER
72	LOT	OFFICE FURNITURE BY OWNER
73	1	COFFEE MAKER BY OWNER
74	2	MENU BOARD BY OWNER
75	1	ROLL UP SHUTTER DOOR BY GENERAL CONTRACTOR
76	2	MILKSHAKE MACHINE BY OWNER
77	1	AIR CURTAIN MAHS CH2

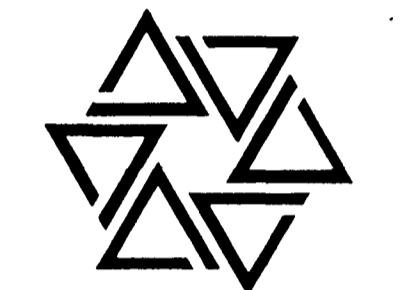


FOOD SERVICE EQUIPMENT
ARCHITECTURAL PLAN



Richard T. Barton

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FORT WAYNE, INDIANA

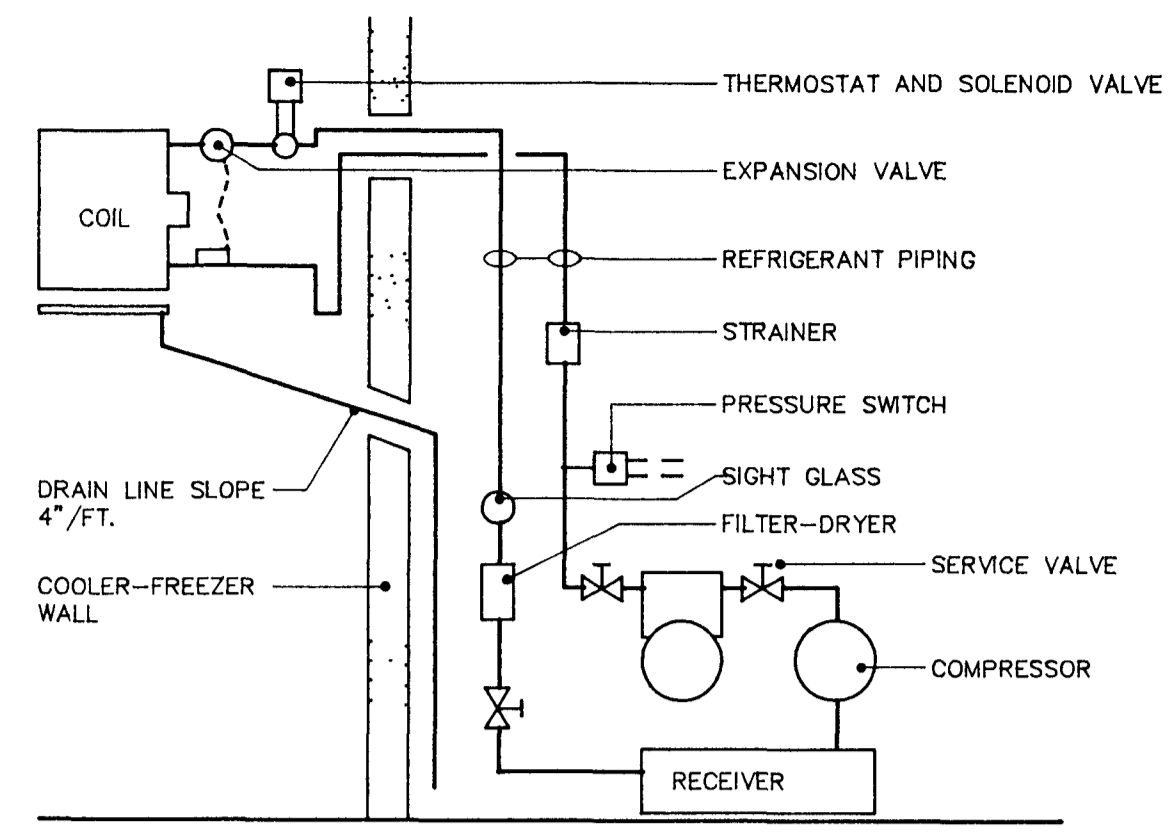


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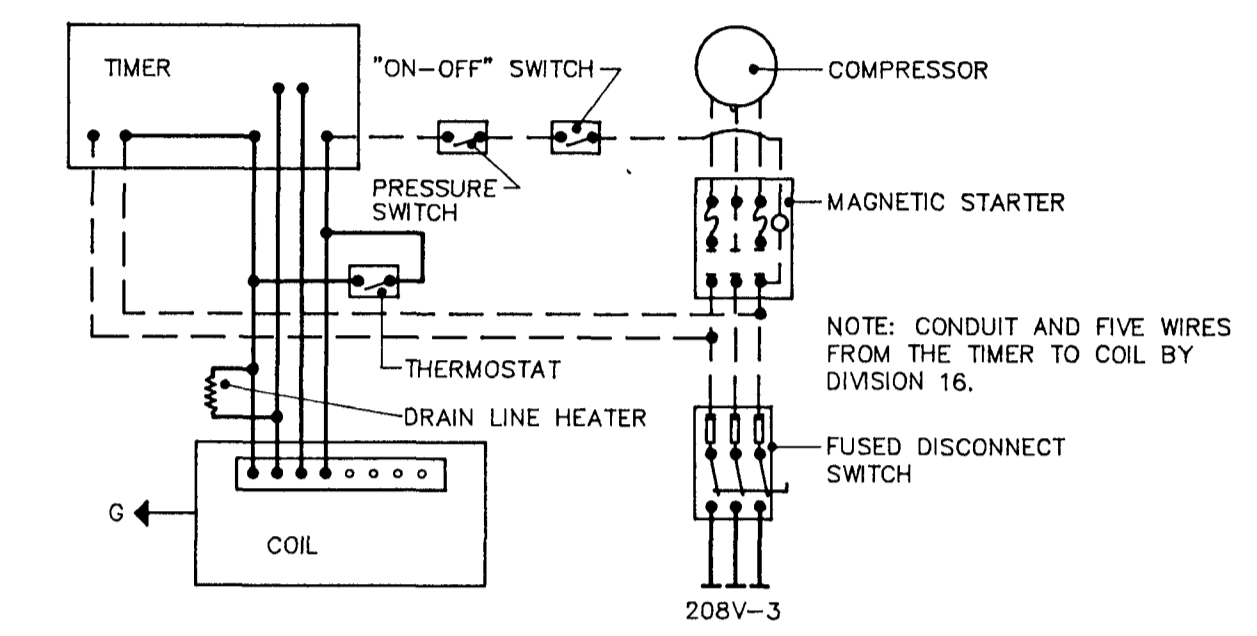
COMM. NO. 8714
DATE 2/28/89
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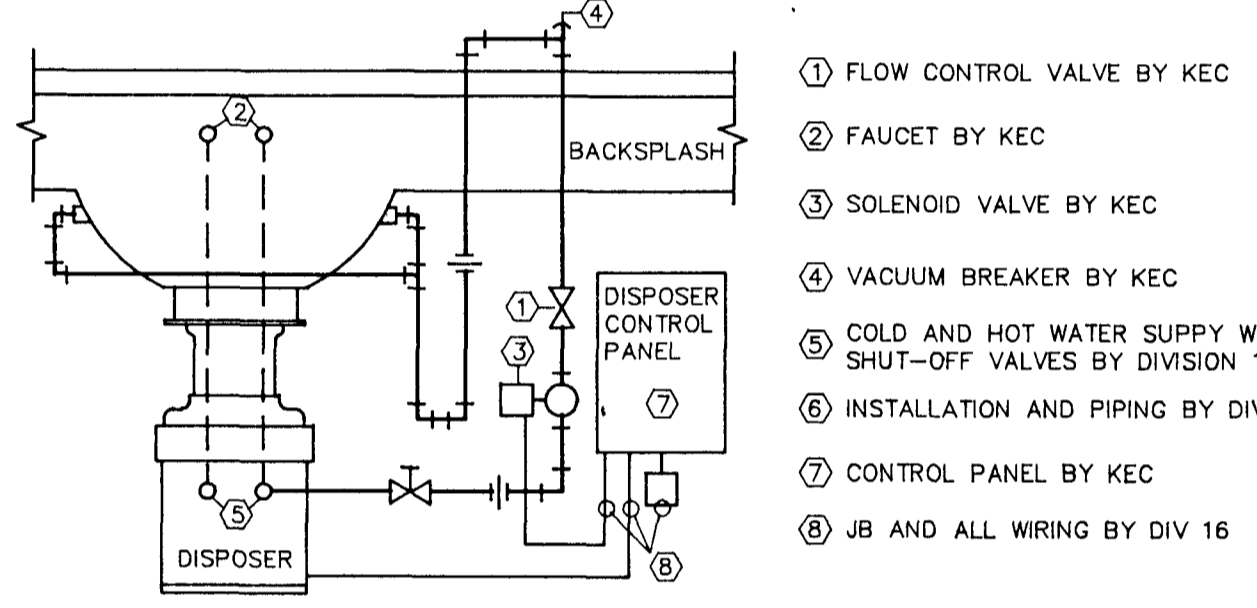
KITCHEN DETAILS



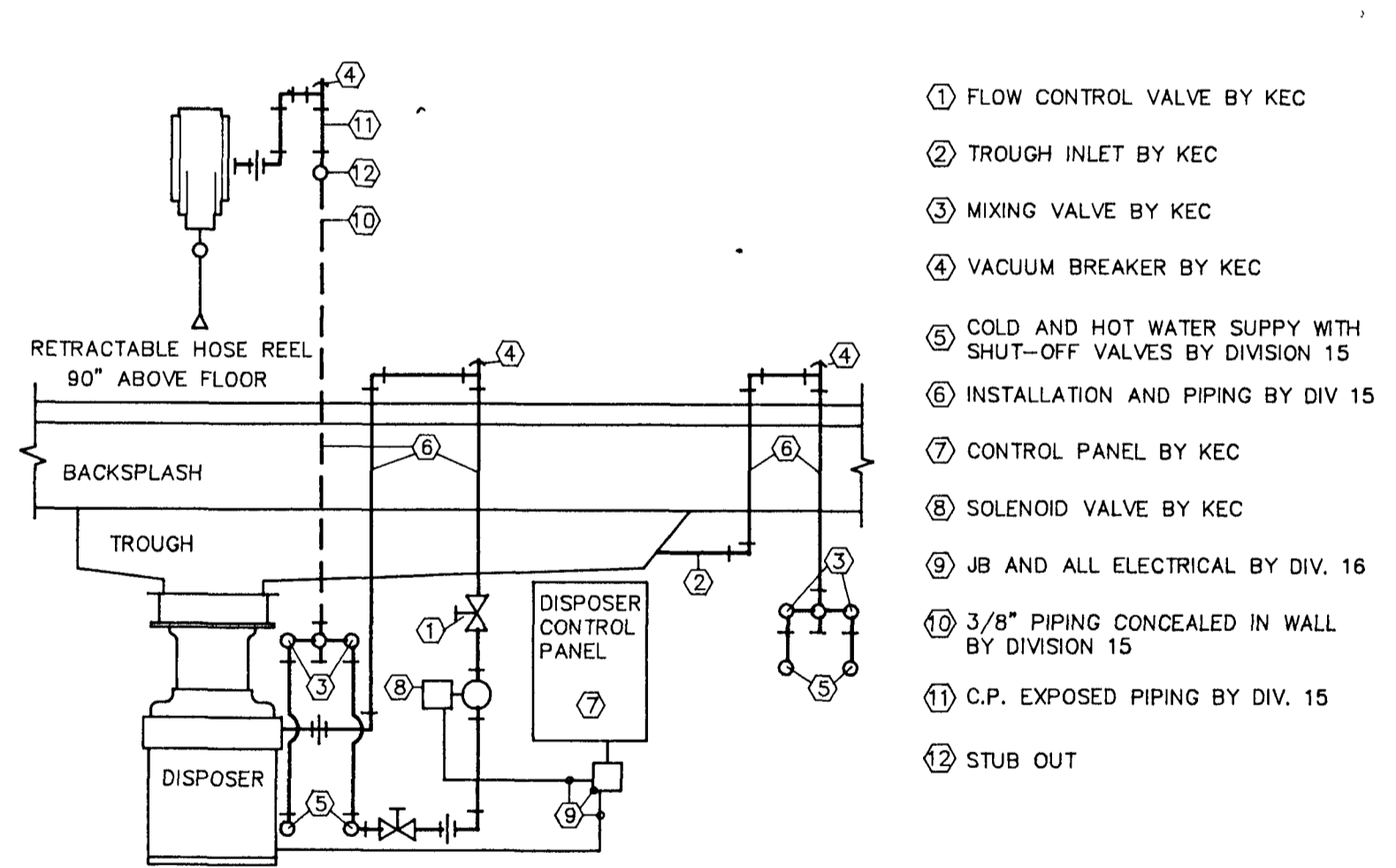
1 COOLER PIPING - REFRIGERANT
ITEM NO. 4



2 FREEZER COIL-COMPRESSOR WIRING
ITEM NO. 4

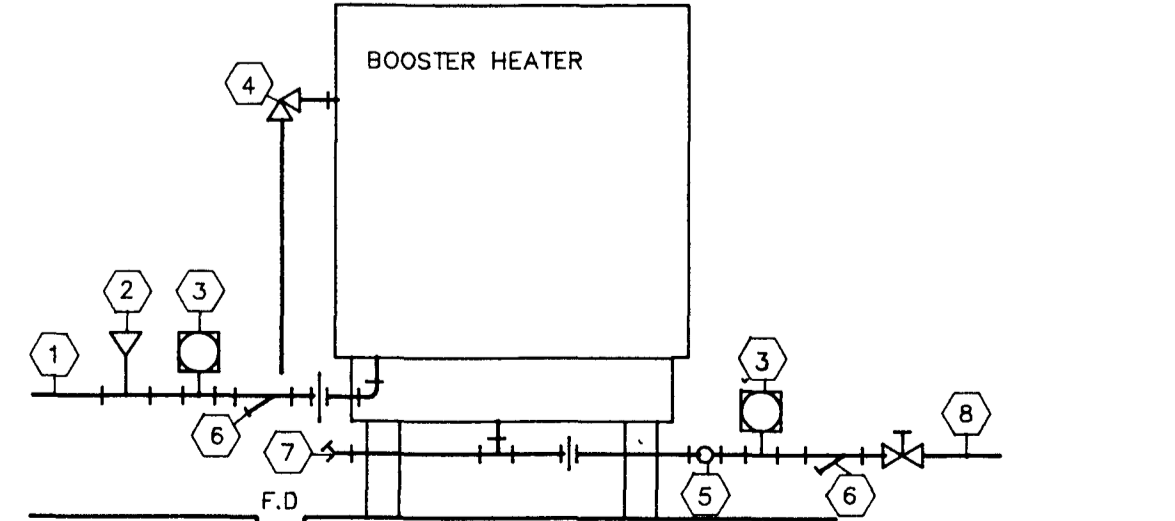


3 DISPOSER PIPING
ITEM NO. 25

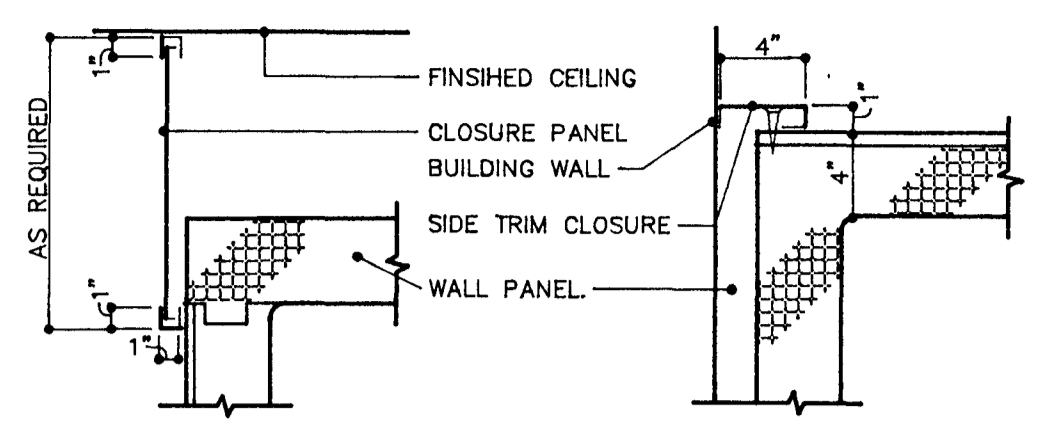


4 DISHTABLE-DISPOSER-HOSE REEL
PIPING ITEM NO. 34, 37 & 38

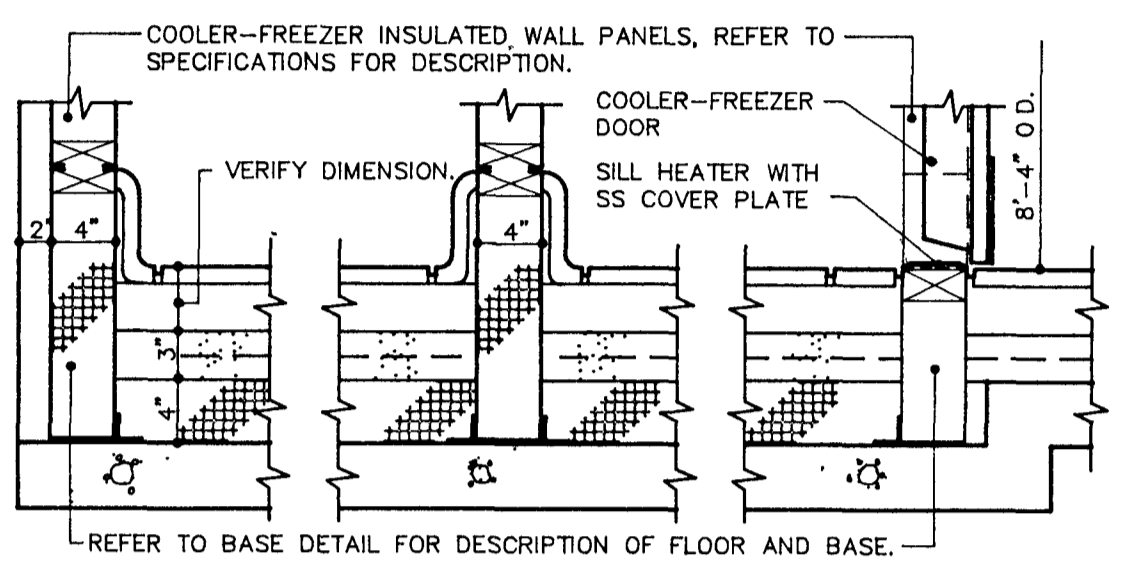
- 1 3/4" HW TO DISHWASHER BY DIVISION 15
- 2 SHOCK STOP
- 3 TEMPERATURE-PRESSURE GAUGE
- 4 PRESSURE RELIEF VALVE, PIPE TO FLOOR DRAIN
- 5 PRESSURE REDUCE VALVE
- 6 STRAINER
- 7 DRAIN VALVE
- 8 140' HW SUPPLY WITH SHUT OFF VALVE BY DIVISION 15



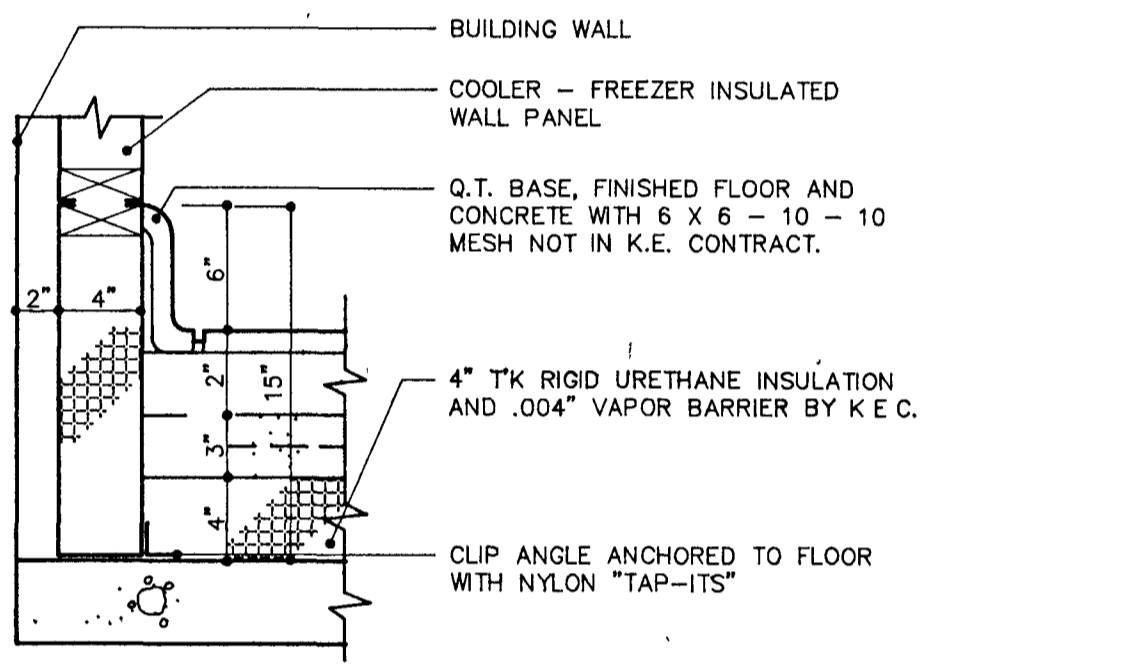
5 BOOSTER HEATER PIPING
ITEM NO. 40



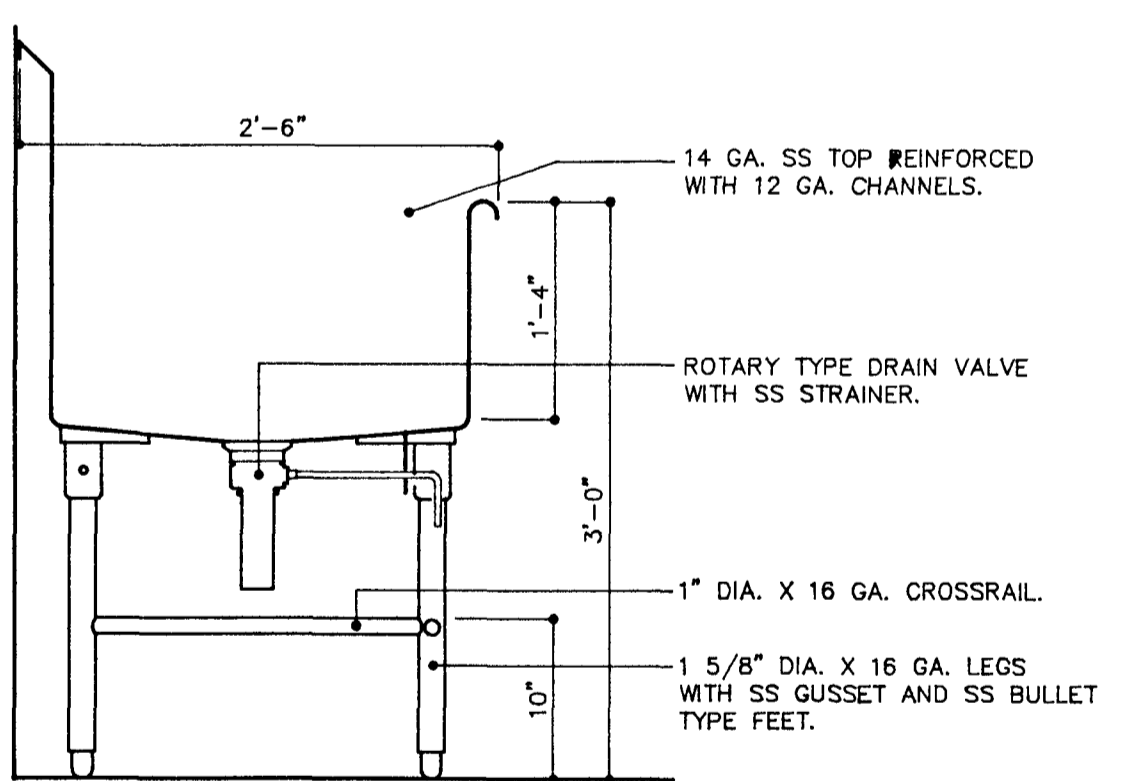
6 COOLER - FREEZER TRIM
ITEM NO. 4



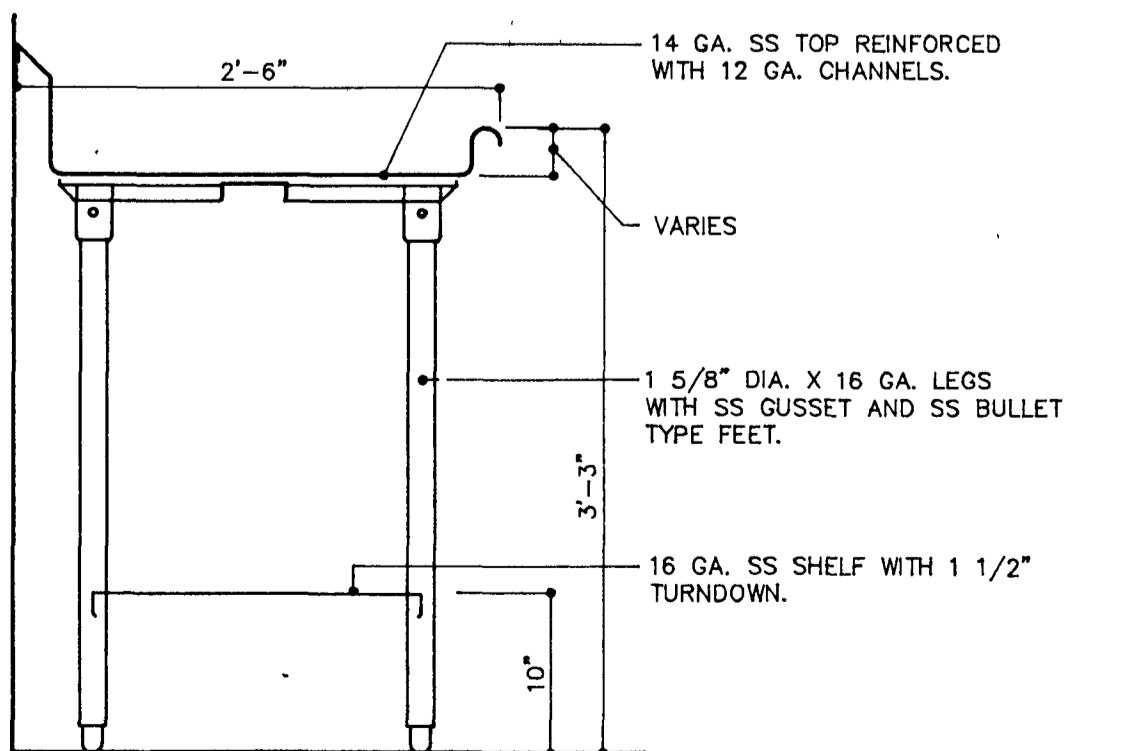
7 FREEZER FLOOR RECESS
ITEM NO. 4



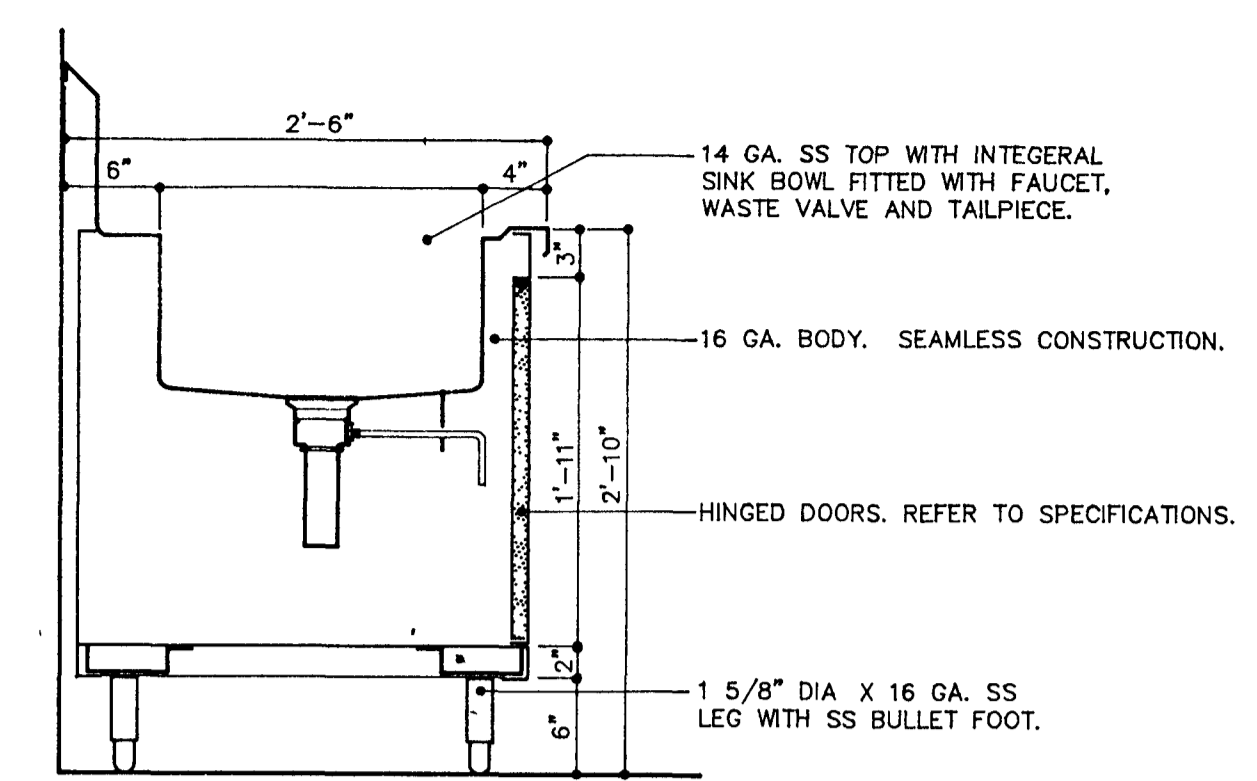
8 COOLER - FREEZER FLOOR RECESS
ITEM NO. 4



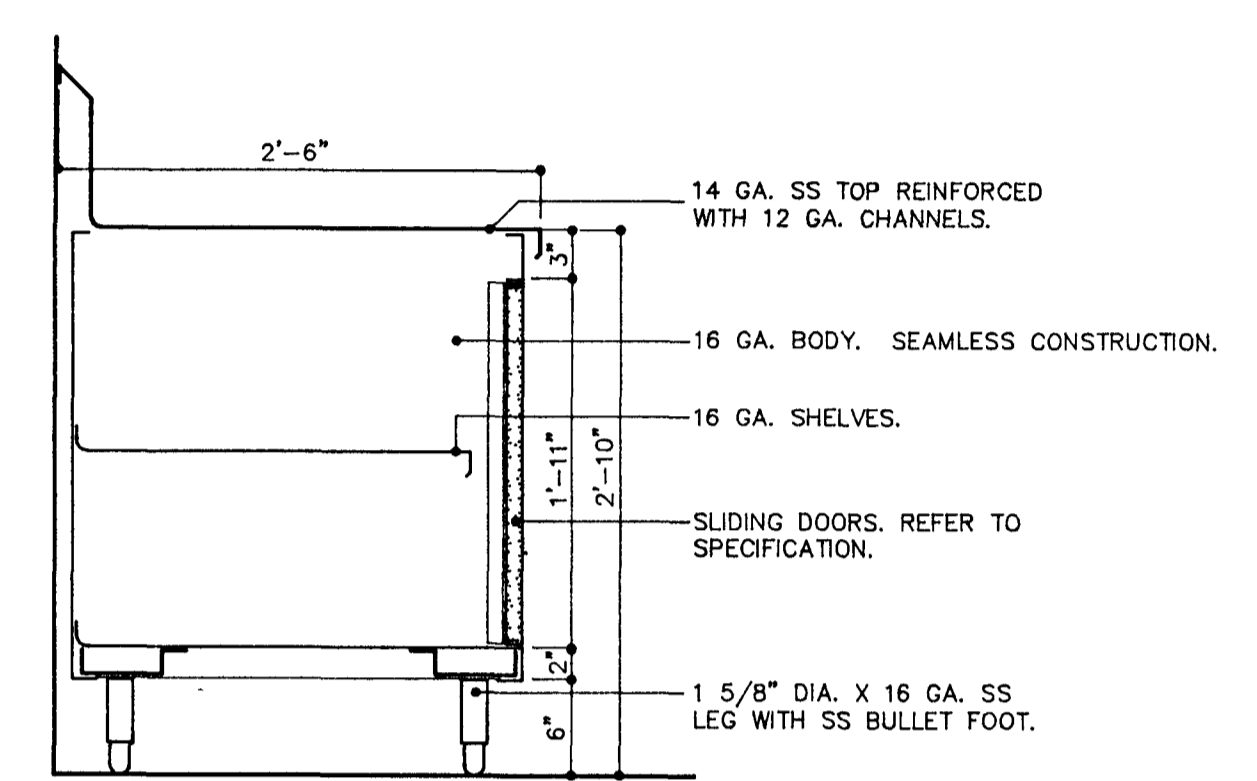
9 UTENSIL SINK
ITEM NO. 32



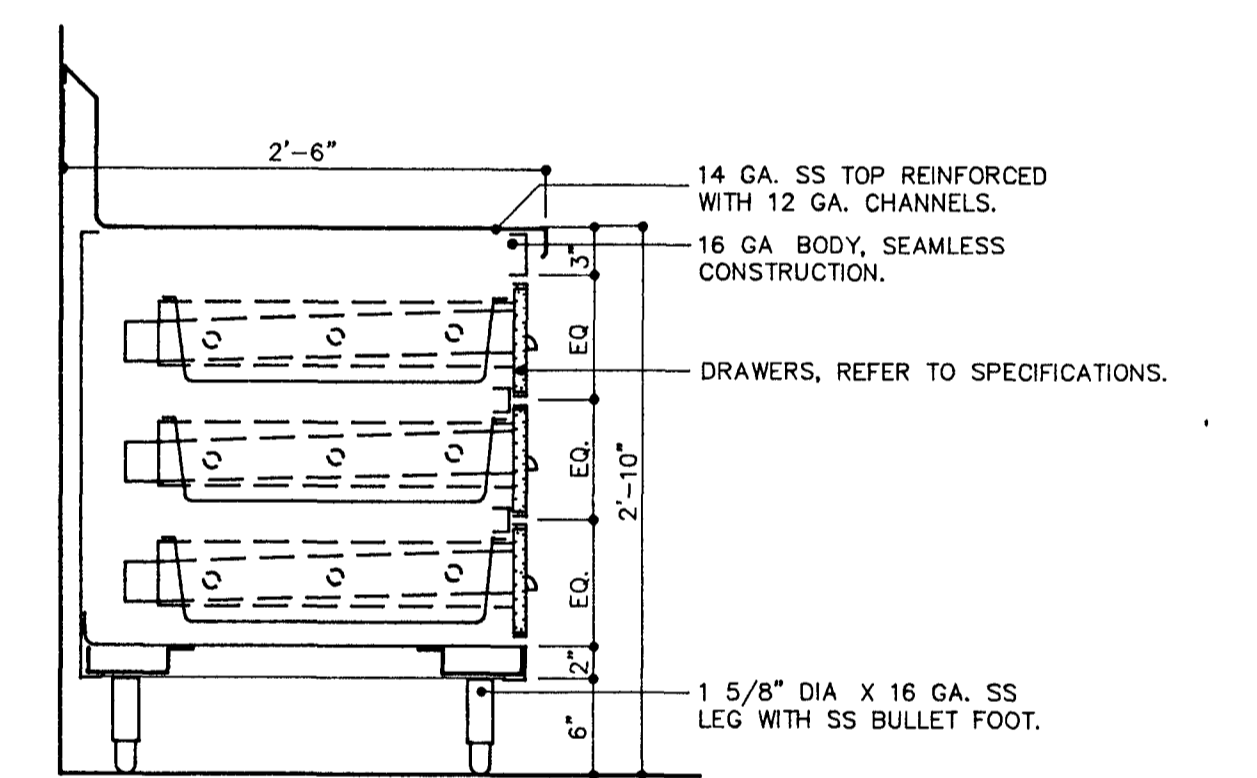
10 UTENSIL SINK
ITEM NO. 32



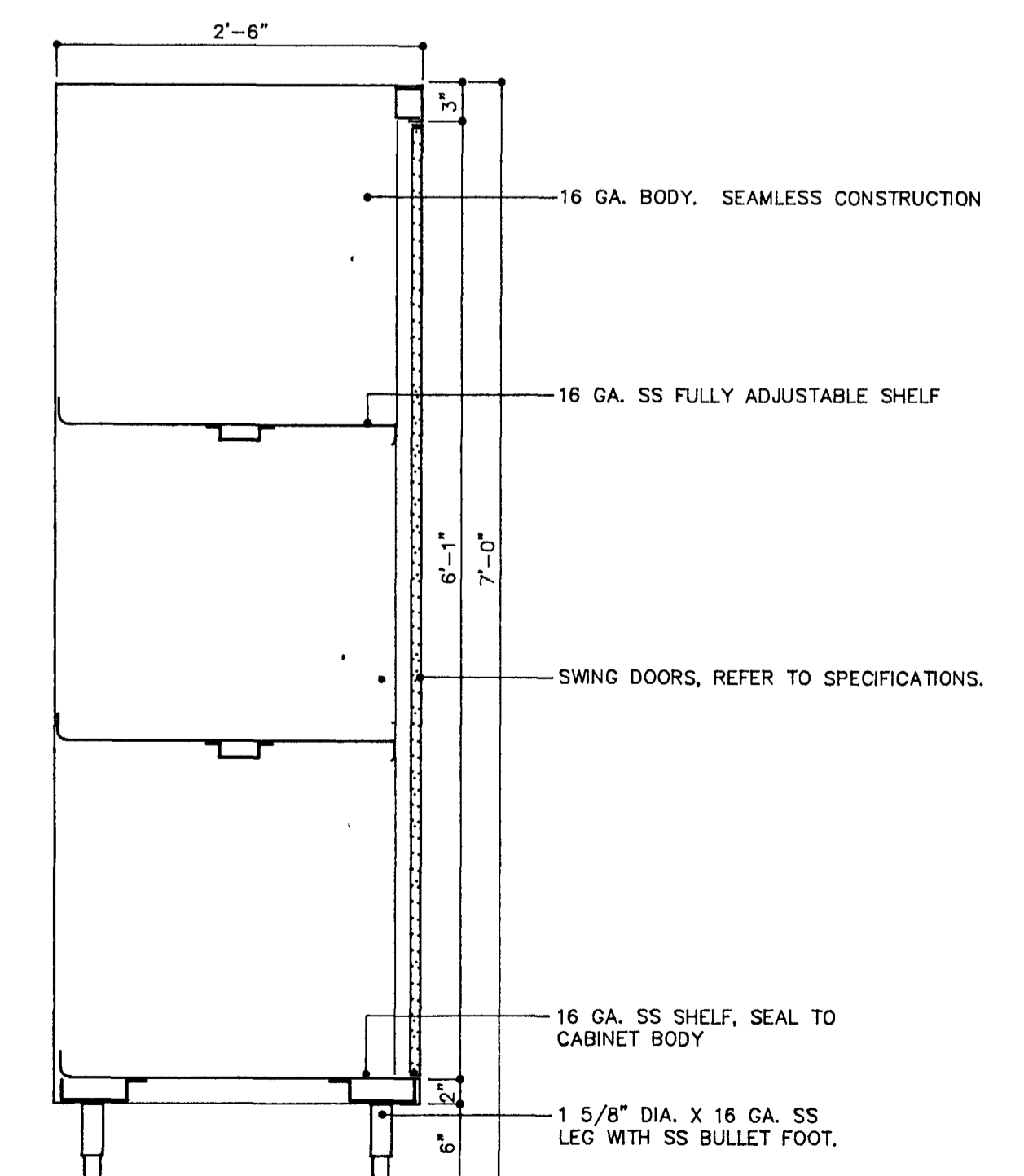
11 BACK COUNTER
ITEM NO. 44



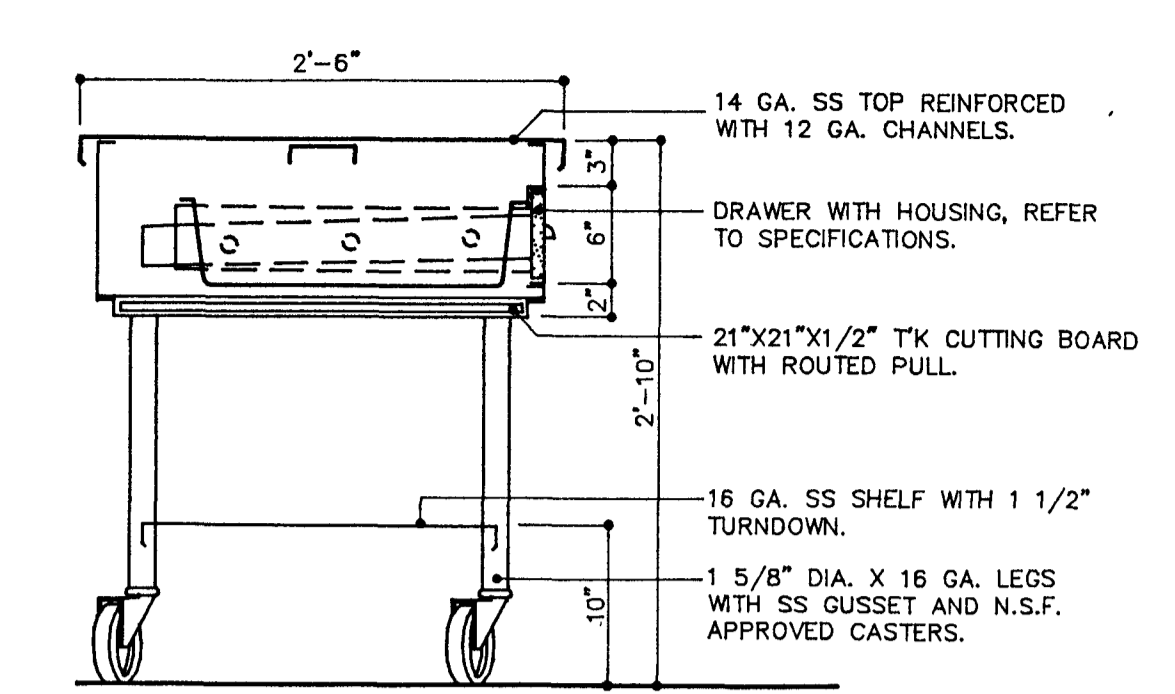
12 BACK COUNTER
ITEM NO. 44



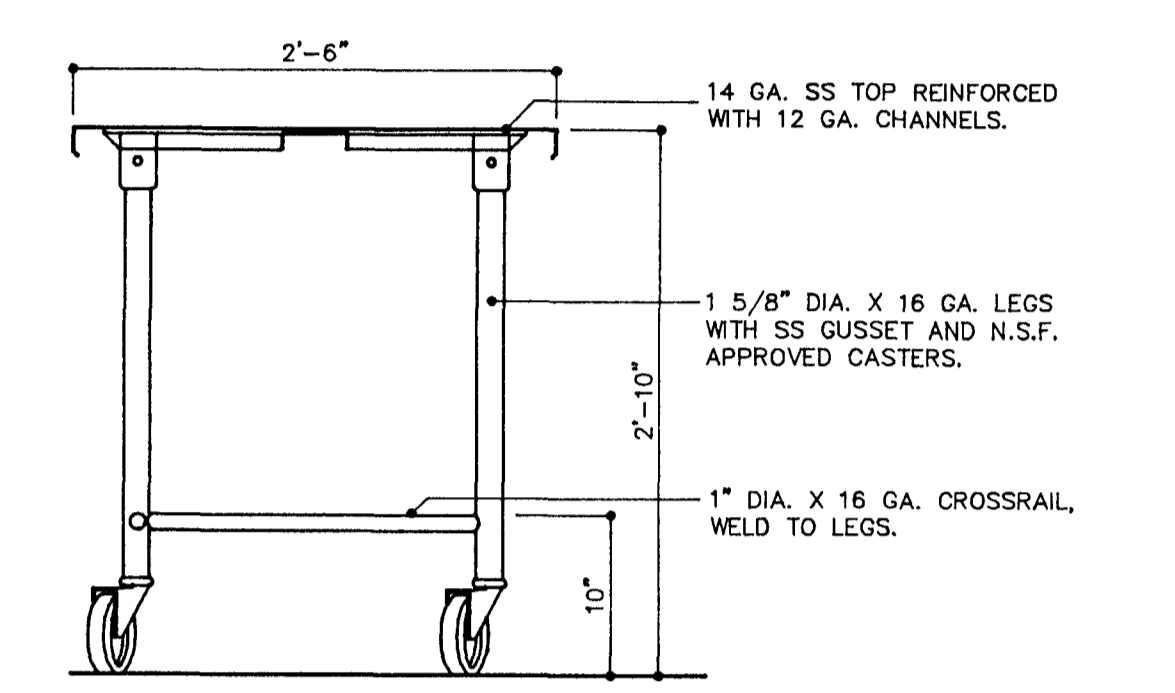
13 BACK COUNTER
ITEM NO. 44



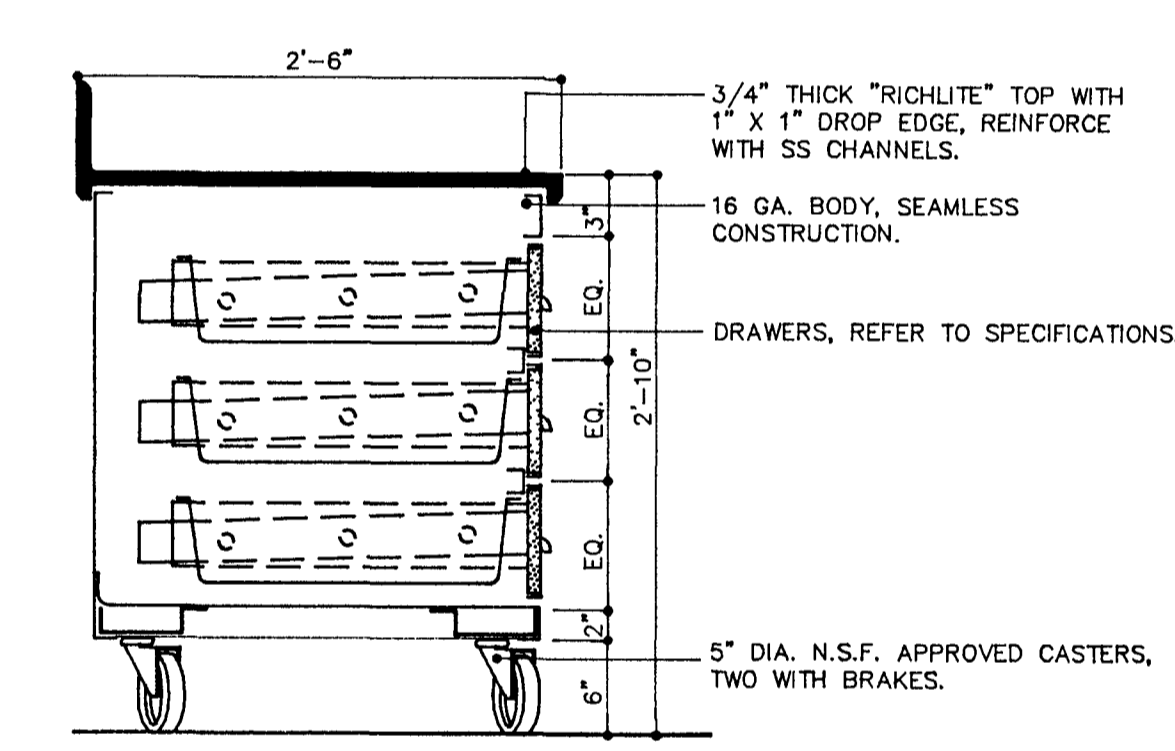
14 STORAGE CABINET
ITEM NO. 33



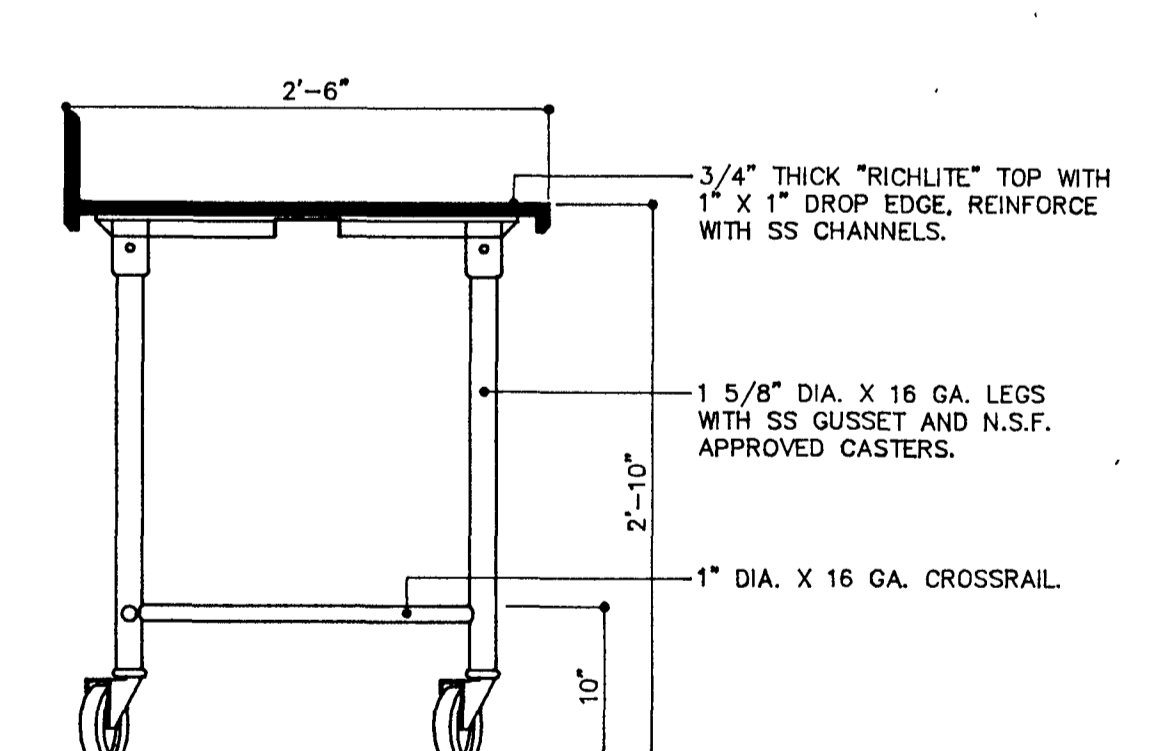
15 WORK TABLE - MOBILE
ITEM NO. 28 & 29



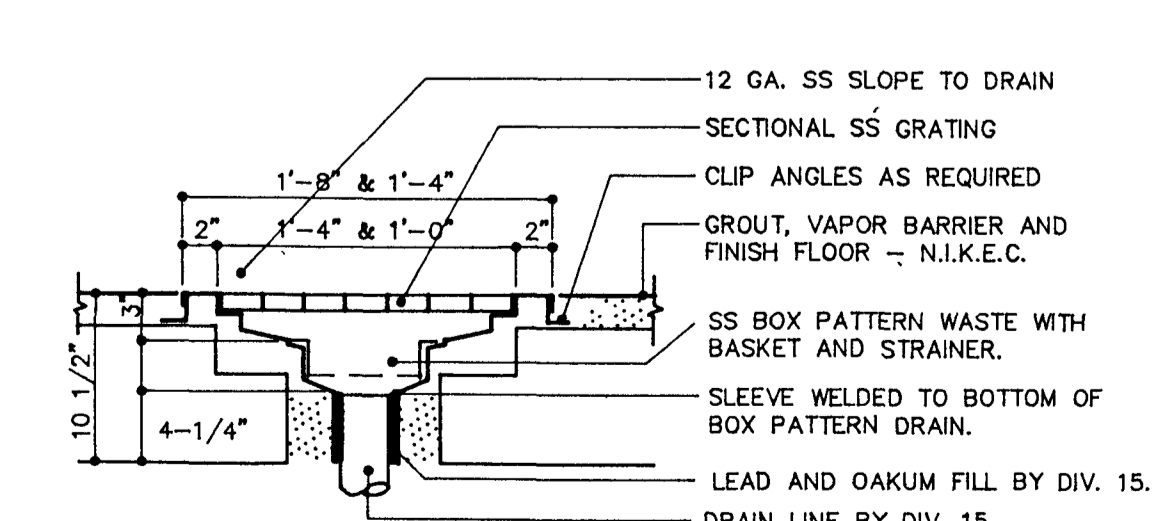
16 WORK TABLE - MOBILE
ITEM NO. 28



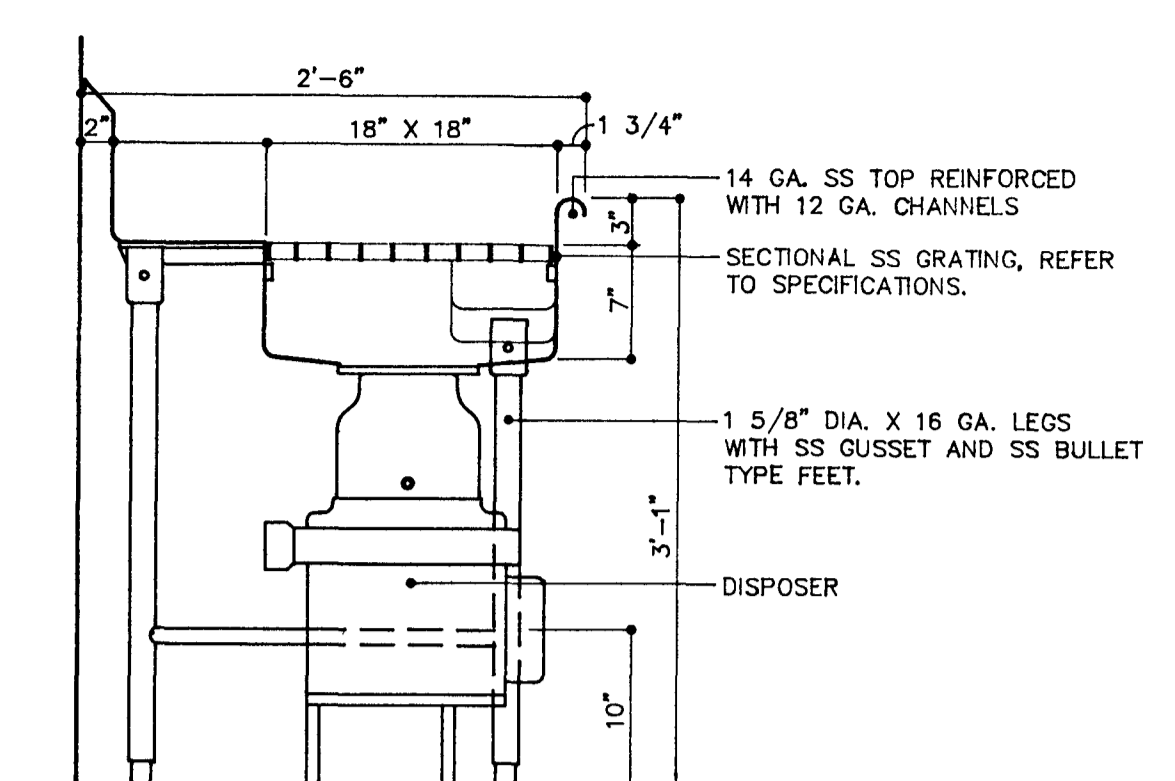
17 BAKERS TABLE - MOBILE
ITEM NO. 13



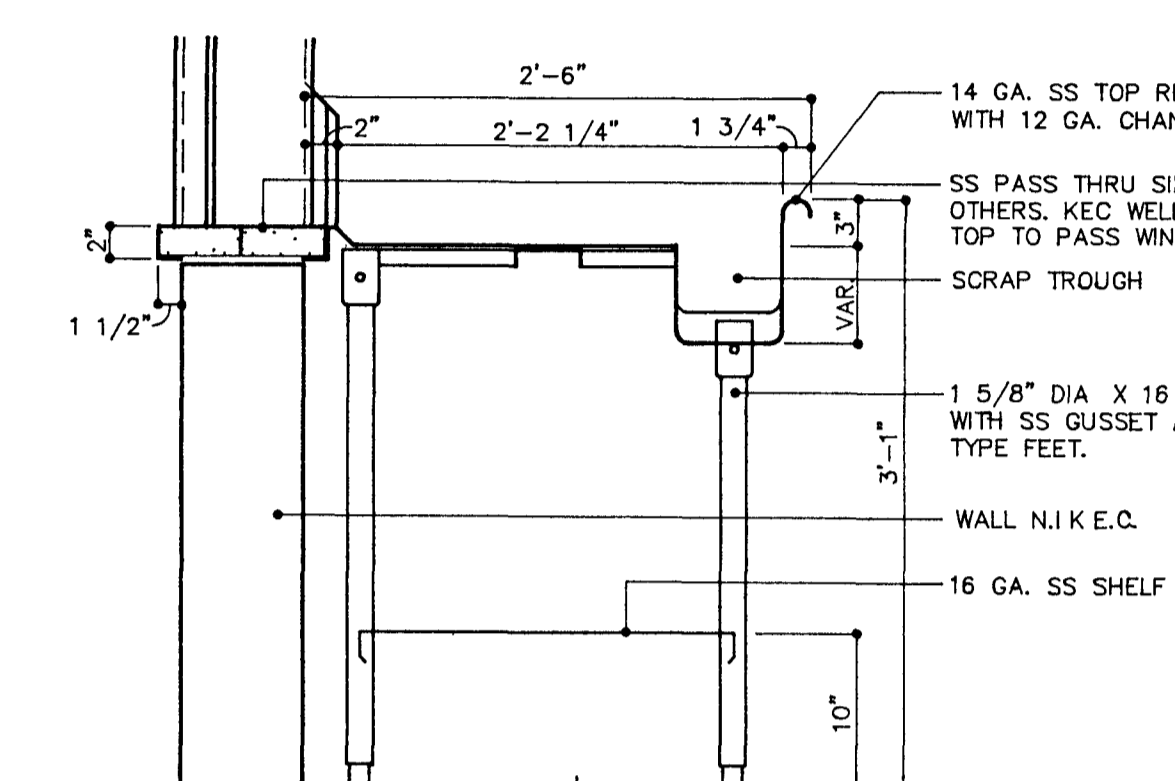
18 BAKERS TABLE - MOBILE
ITEM NO. 13



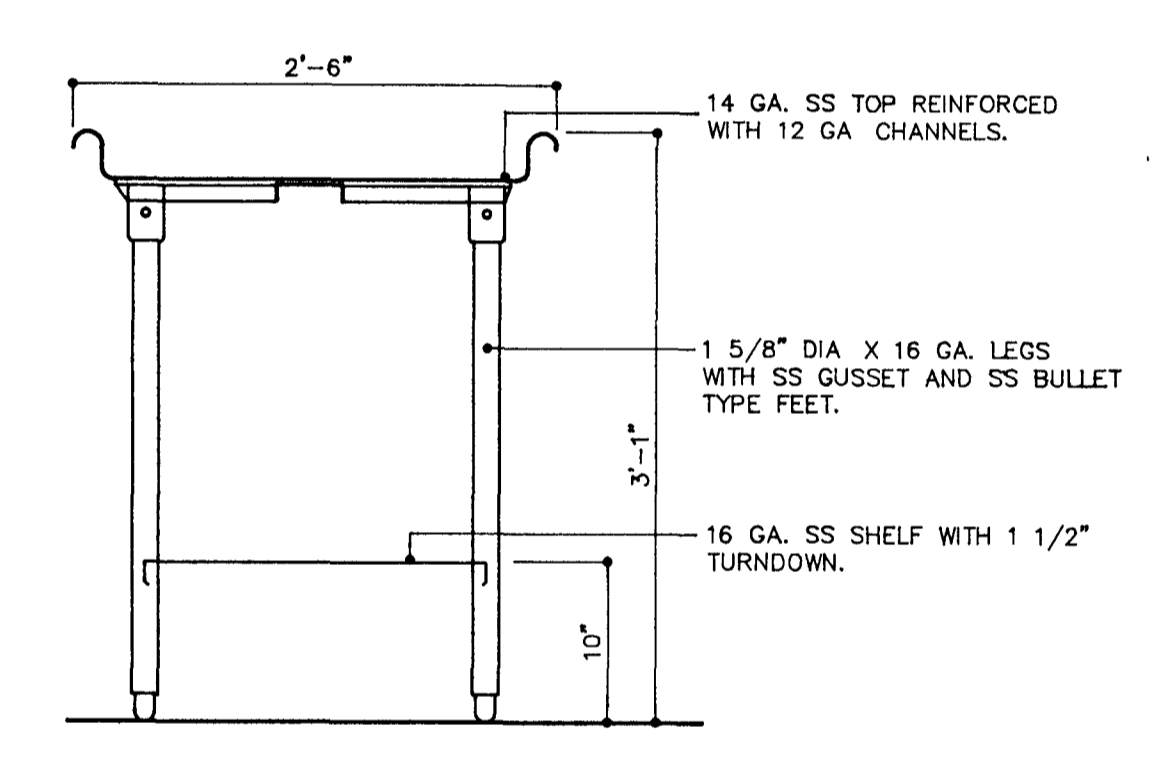
19 DRAIN TROUGH
ITEM NO. 18 & 23



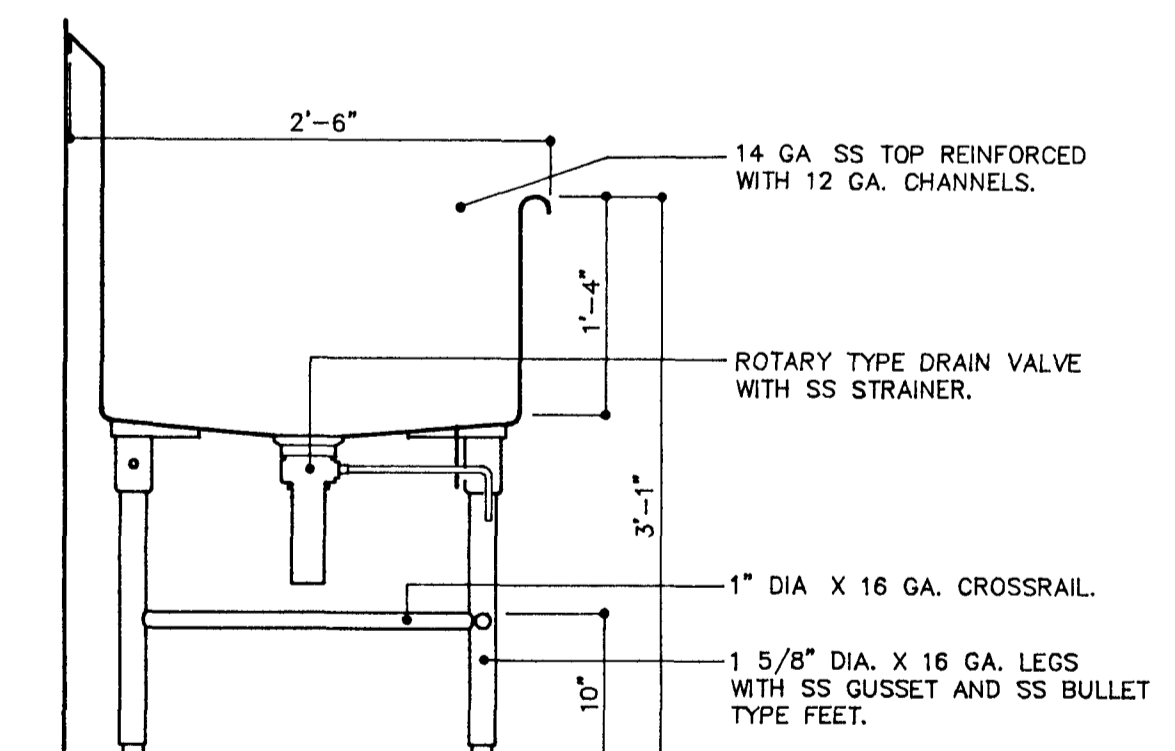
20 DISHTABLE - DISPOSER
ITEM NO. 34 & 37



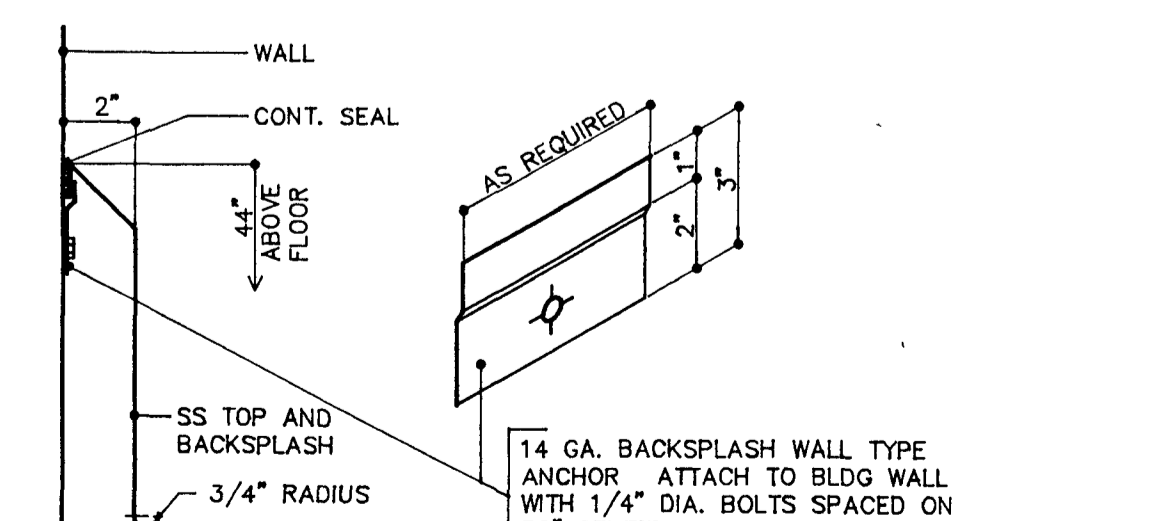
21 SOILED DISHTABLE
ITEM NO. 34



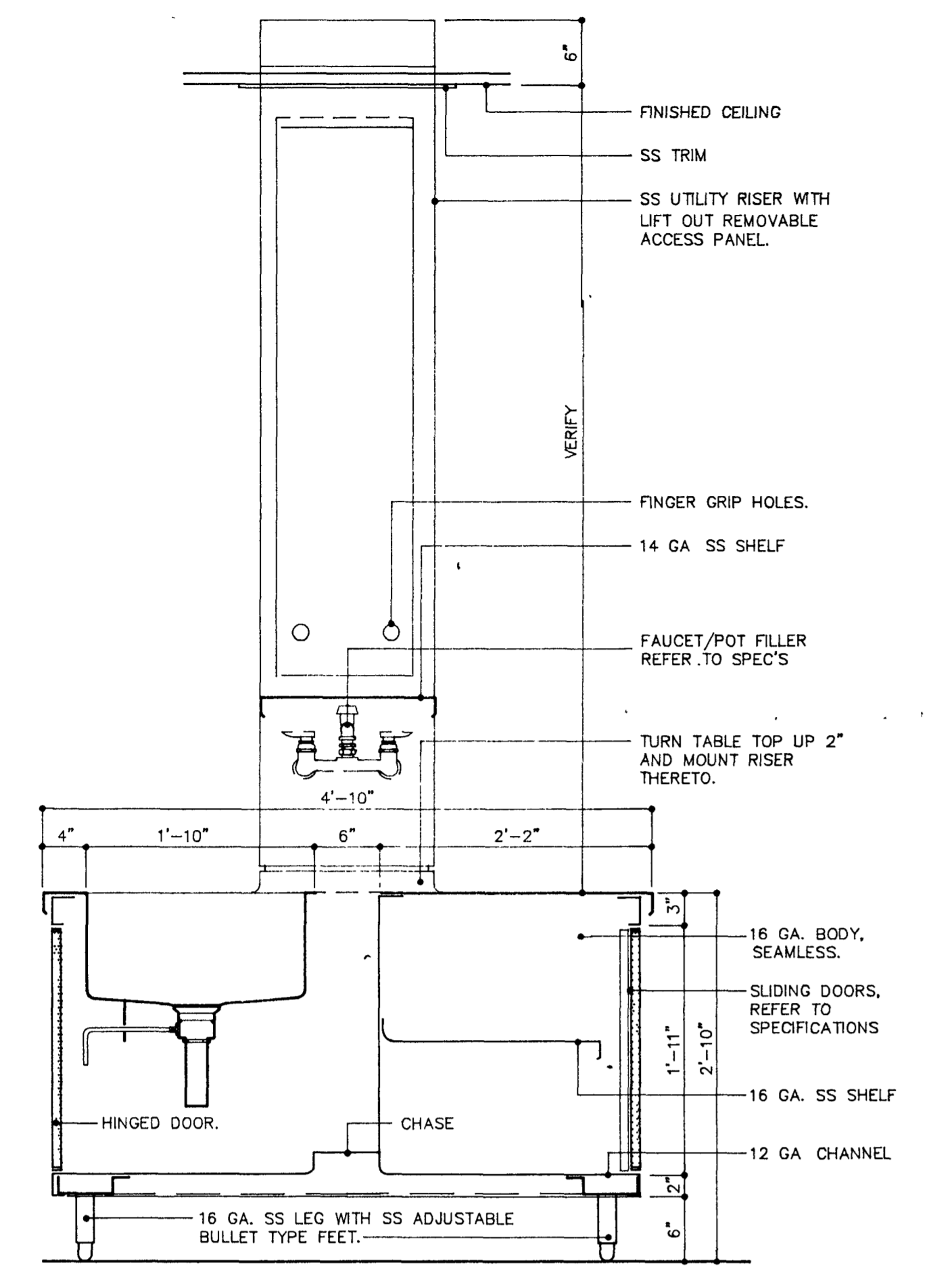
22 CLEAN DISHTABLE
ITEM NO. 35



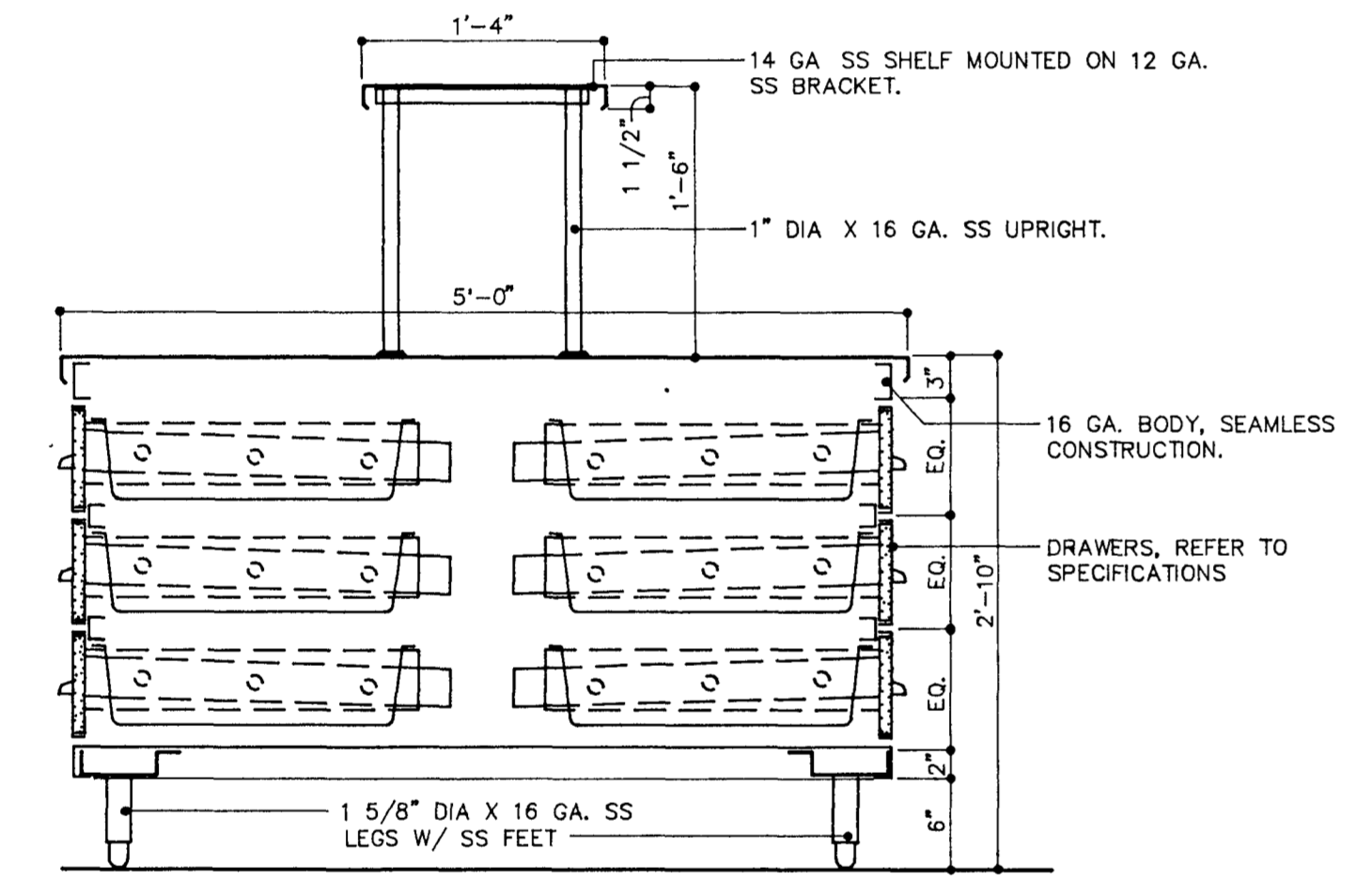
23 SOILED DISHTABLE
ITEM NO. 34



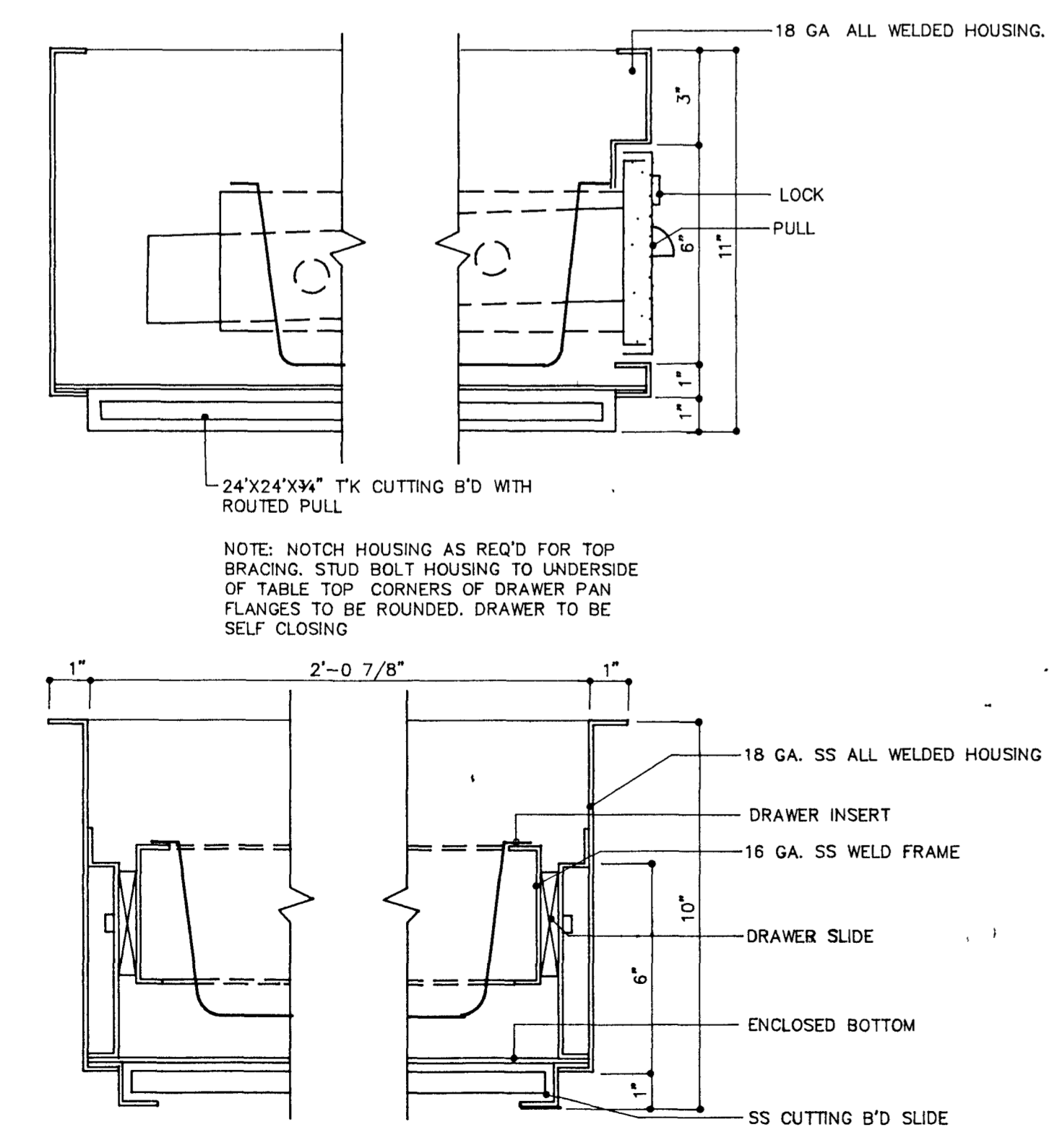
24 TYPICAL TABLE BACKPLASH



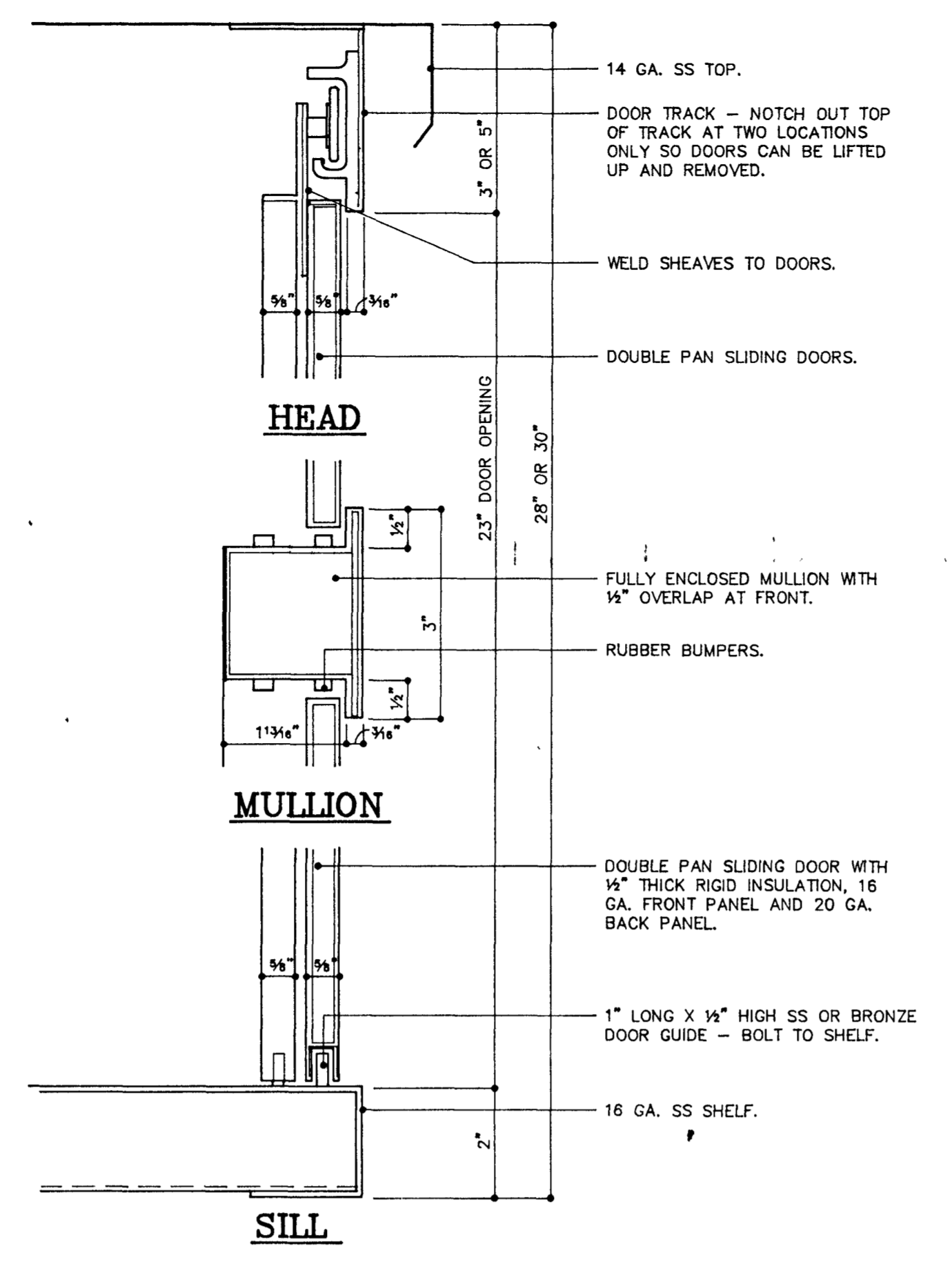
25 ISLAND WORK COUNTER
ITEM NO. 26



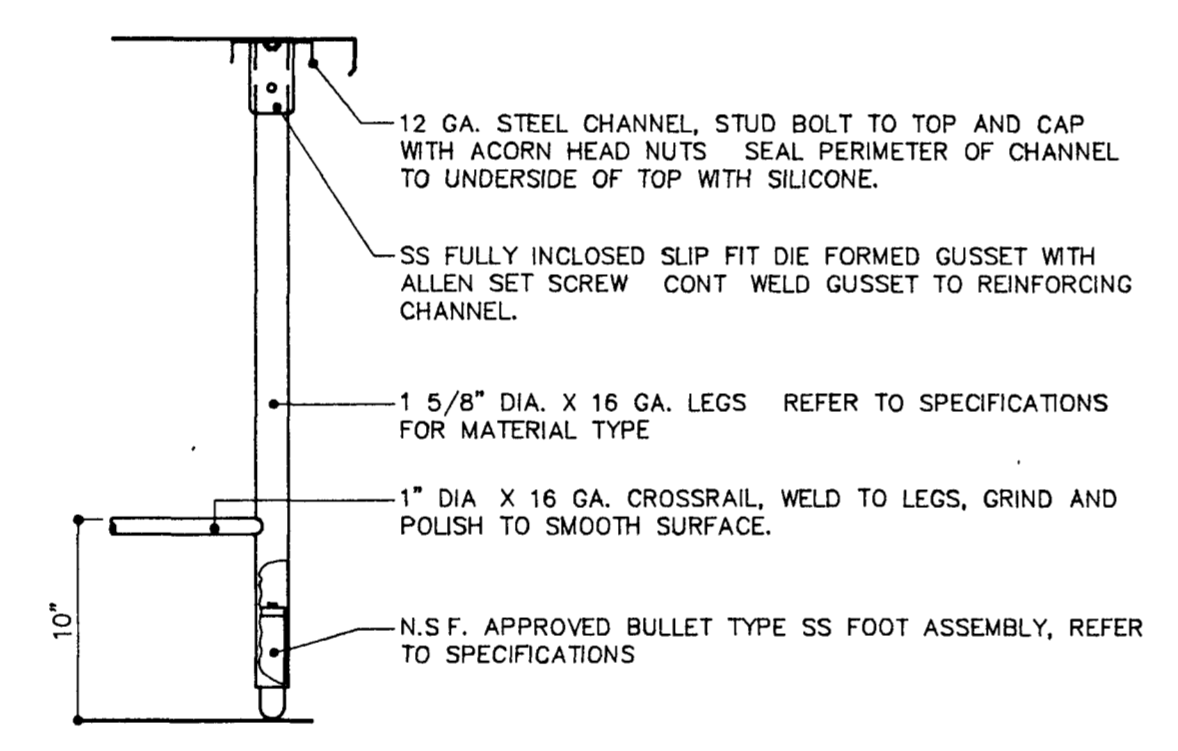
26 ISLAND WORK COUNTER
ITEM NO. 28



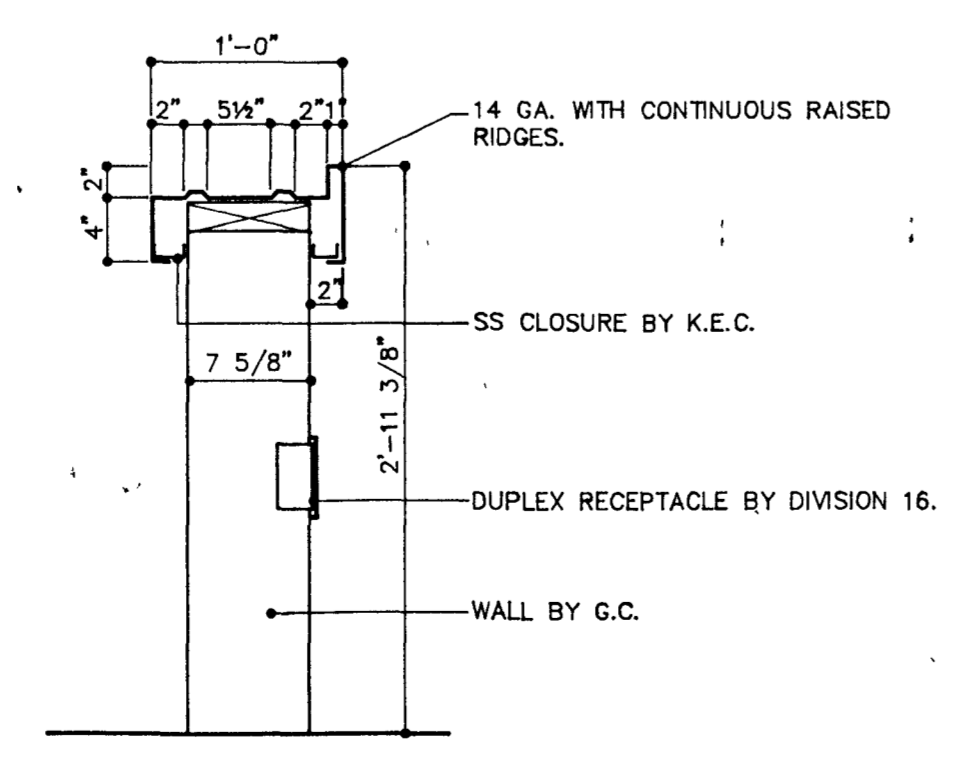
27 TYPICAL DRAWER
HOUSING



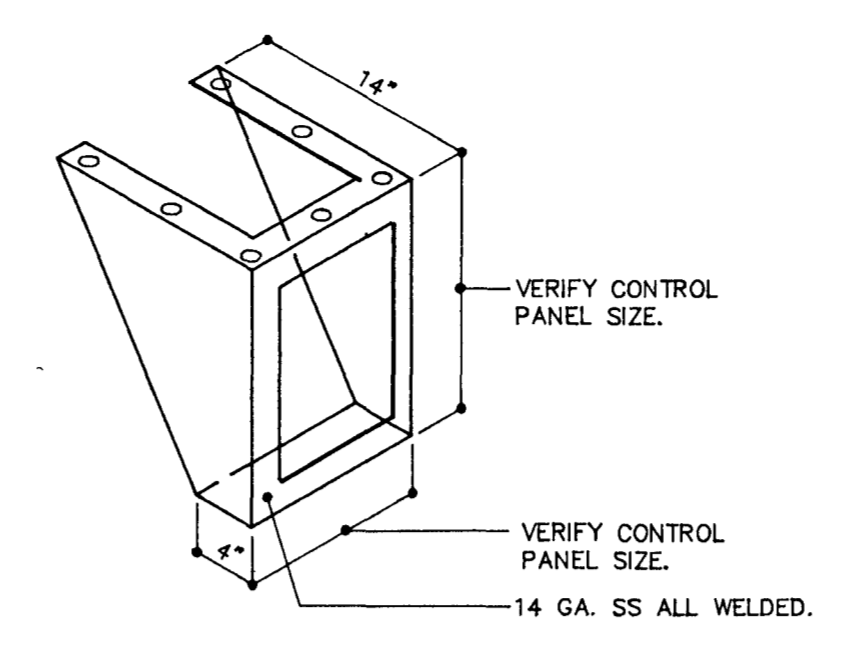
28 TYPICAL SLIDING DOOR WITH
CONCEALED GUIDE



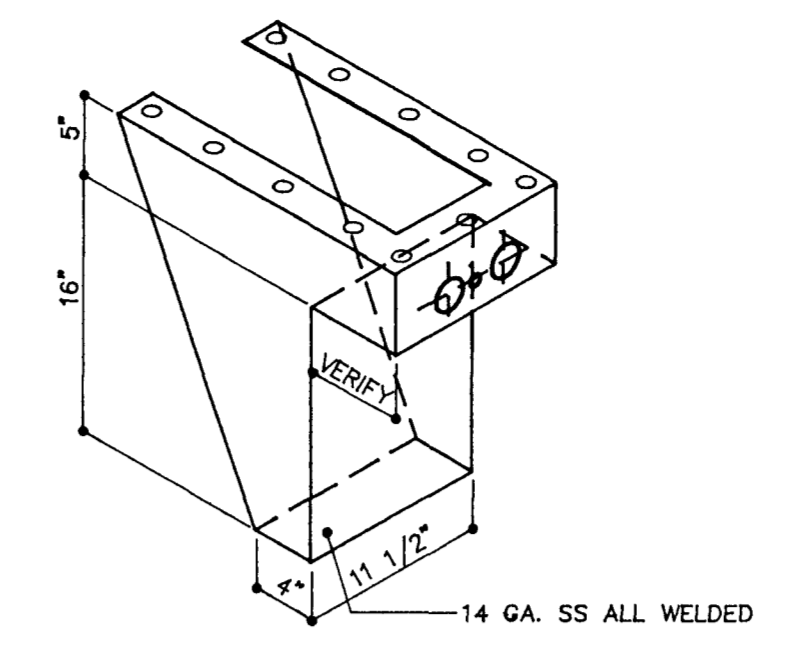
29 TYPICAL LEG
ASSEMBLY



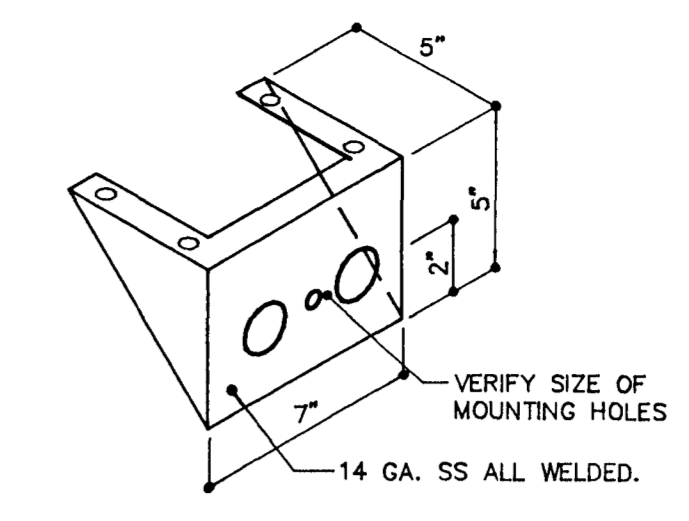
30 SS TRAY SLIDE
ITEM NO. 60



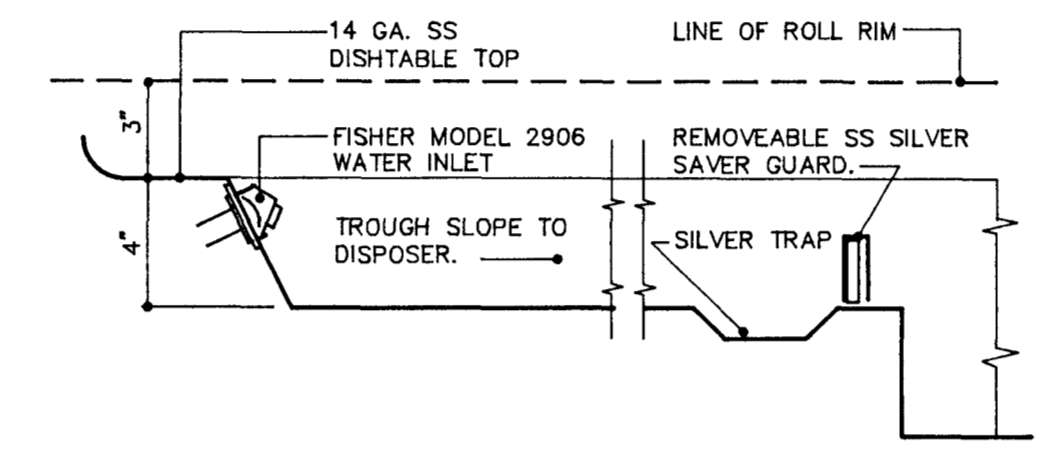
31 CONTROL PANEL
BRACKET



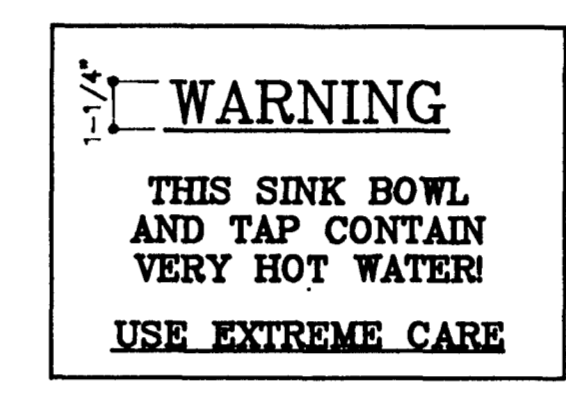
34 MIXING VALVE-DISPOSER
CONTROL BRACKET



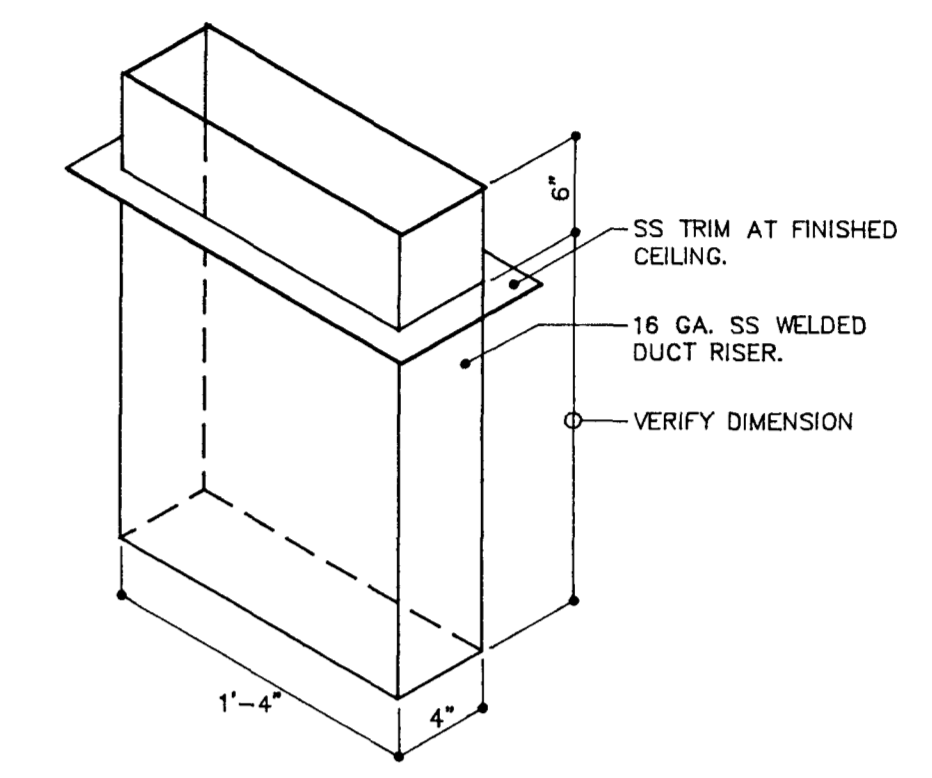
36 MIXING VALVE
BRACKET



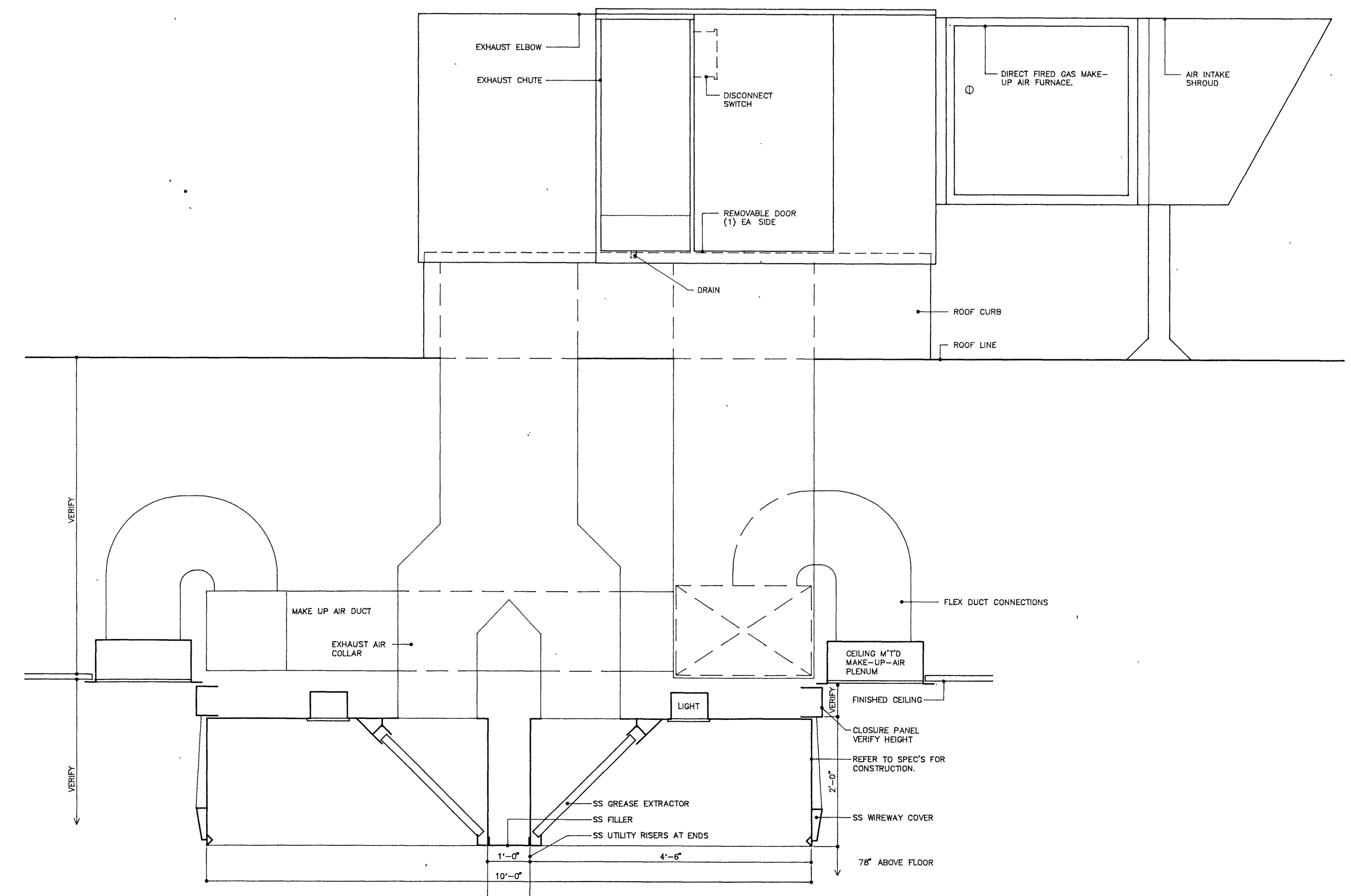
32 DISHTABLE TROUGH
ITEM NO. 34



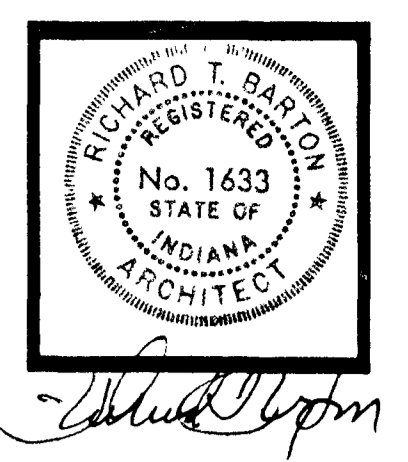
35 TYPICAL WARNING
SIGN



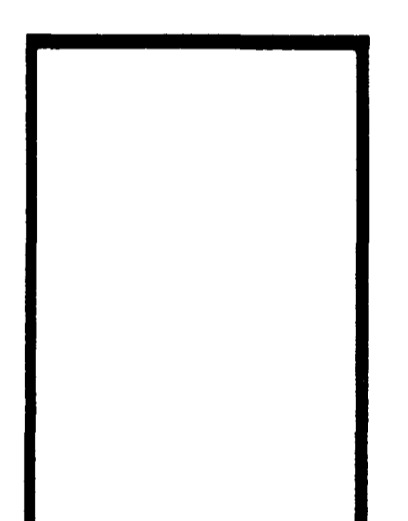
37 DISH WASHER DUCT RISER
ITEM NO. 39



33 VENTILATOR
ITEM NO. 19



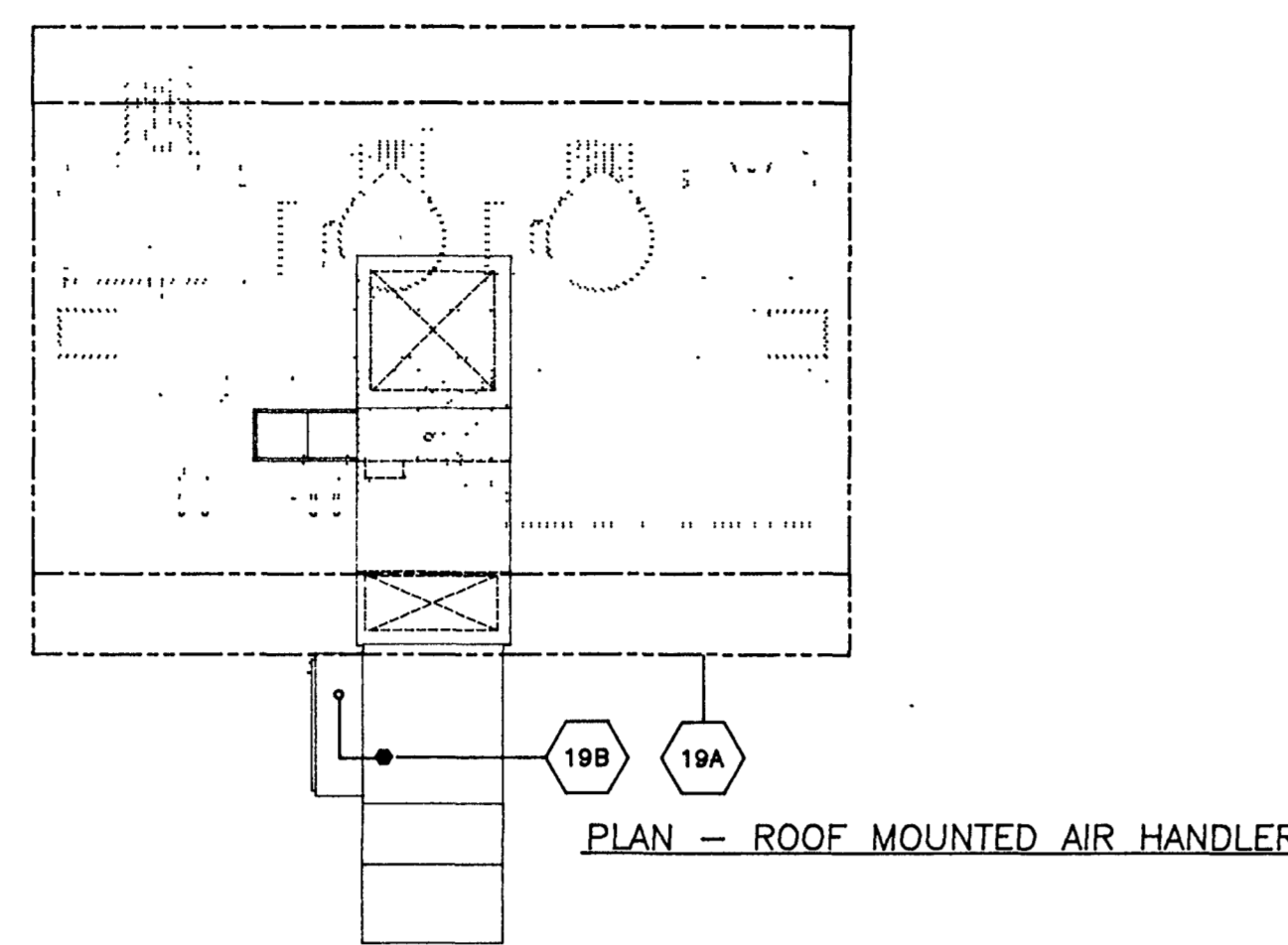
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 WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA**

COMM. NO. 8714
 DATE 2/28/89
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K4



MECHANICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED
4	WALK IN COOLER - FREEZER COIL 3/4" CONDENSATE DRAIN LINES FROM COILS TO FLOOR DRAIN BY DIVISION 15. PROVIDE CORROSION RESISTANT "STAND-OFFS" TO ALLOW 1" CLEARANCE BETWEEN WALLS AND PIPING.
5	REFRIGERATION LINES TO REMOVE COMPRESSORS BY KEC.
6	TILT SKILLET 3/4" GAS. DIVISION 15 PROVIDE SERVICE VALVE AND CONNECT TO UNIT. BTU/HR = 144,000.
7	1/2" HW, 1/2" CW. DIVISION 15 CONNECT TO FILL FAUCET.
8	STEAMER 1/2" HW, 1/2" CW. DIVISION 15 CONNECT TO STEAMER.
9	DRAIN LINES TO THE SANITARY TYPE FLOOR DRAIN BY DIVISION 15.
10	1" GAS. DIVISION 15 PROVIDE INDIVIDUAL SERVICE VALVES AND BRANCH TO CONNECTIONS ON COOKING EQUIPMENT. BTU/HR = 250,000.
11	FILLING KETTLE, 40 GALLON - 1/2" HW, 1/2" CW. DIVISION 15 CONNECT TO FILL FAUCET.
12	HARVE W/SPACER, MOBILE - 3/4" GAS. DIVISION 15 PROVIDE SERVICE VALVE AND INSTALL THE KEC FURNISH QUICK DISCONNECT COUPLING AND FLEXIBLE GAS LINE. BTU/HR = 40,000.
13	CONVECTION OVEN, MOBILE - 1" GAS. DIVISION 15 PROVIDE SERVICE VALVE AND INSTALL THE KEC FURNISH QUICK DISCONNECT COUPLING AND FLEXIBLE GAS LINE. BTU/HR = 235,000.
14	DRAIN THROUGH - 2" W, 10-1/2" BELOW FINISHED FLOOR. DIVISION 15 TRAP DRAIN BELOW FINISHED FLOOR. REFER TO DRAIN PAN DETAILS.
15	HANG HOOK A THE CANOPY EXHAUSTS A TOTAL OF CPM AND SUPPLIES A TOTAL OF CPM MAKE UP AIR. THE BALANCE OF CPM TO BE SUPPLIED TO THE KITCHEN AREA BY DIVISION 15. CANOPY, DUCTWORK, AIR HANDLERS AND ROOF CURB PROVIDED BY KEC. B 1" GAS SUPPLY ON ROOF FOR HEATED MAKE UP AIR UNIT. DIVISION 15 PROVIDE SERVICE VALVE AND CONNECT TO UNIT. BTU/HR = 250,000. C DRAIN THROUGH - 2" W, 10-1/2" BELOW FINISHED FLOOR. DIVISION 15 TRAP DRAIN BELOW FINISHED FLOOR. REFER TO DRAIN PAN DETAILS.
16	DISPOSER 3/4" CW, 18" AF. DIVISION 15 CONNECT TO FAUCET ABOVE THE SINK AND TO SIDE WATER INLET IN DISPOSER THRU KEC FURNISHED CONTROLS. REFER TO DISPOSER PIPING DIAGRAM. B 1/2" HW, 18" AF. DIVISION 15 CONNECT TO FAUCET. C 3" W, 8" AF. DIVISION 15 CONNECT TO DISPOSER. D 3/4" CW - DROP FROM ABOVE THRU THE SS UTILITY RISER EXTENDING UP FROM THE TOP OF TABLE. DIVISION 15 CONNECT TO FAUCET ABOVE THE SINK. THE PRE-RINSE ASSEMBLY ABOVE THE DISPOSER, THE DISPOSER AND TO THE WATER STATION AT THE END OF THE TABLE. REFER TO PIPING DIAGRAM.

MECHANICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED
17	BOOSTER HEATER 3/4" 140 USGHEK HW, 12" AF. DIVISION 15 INSTALL KEC FURNISHED COMPONENTS AND CONNECT TO BOOSTER HEATER. REFER TO BOOSTER HEATER PIPING DIAGRAM.
18	3/4" 180 USGHEK HW FROM BOOSTER TO WASHER BY DIVISION 15.
19	DRAIN LINES FROM BOOSTER HEATER RELIEF VALVE AND TANK DRAIN TO FLOOR DRAIN BY DIVISION 15.
20	BACK COUNTER W/SINK A 1/2" HW, 1/2" CW, 18" AF. DIVISION 15 BRANCH TO CONNECTIONS. B 2" W, 18" AF. DIVISION 15 CONNECT TO DRAIN VALVE ON BOTTOM OF SINK.
21	MILK COOLER, MOBILE - 3/4" DRAIN LINE TO FLOOR DRAIN BY DIVISION 15.
22	SERVING COUNTER, MOBILE - 3/4" DRAIN LINE TO FLOOR DRAIN BY DIVISION 15.
23	SINK HEATER - 3/4" DRAIN LINE TO FLOOR DRAIN BY DIVISION 15.
24	MOP SINK - 3/4" HW, 3/4" CW, 3" W. MOP SINK BY DIVISION 15.
25	CLOTHES DRYER - 4" DIA EXHAUST VENT FROM DRYER TO EXTERIOR BY DIVISION 15.
26	CLOTHES WASHER - 1/2" HW, 1/2" CW, 3" STANDPIPE DRAIN BY DIVISION 15.
27	HAND SINK - 1/2" HW, 1/2" CW, 1-1/2" W. HAND SINK BY DIVISION 15.
28	FLOOR DRAIN
29	FLOOR DRAIN, FUNNEL TYPE.
30	12" X 12" X 8" DEEP SANITARY TYPE FLOOR DRAIN WITH HALF GRATE.
31	DIVISION 15 COOL/VENTILATE THE DRY FOOD STORAGE ROOM TO MAINTAIN A TEMPERATURE OF 68 TO 72 DEGREES YEAR ROUND.

MECHANICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED
32	ISLAND WORK COUNTER A REFER TO CONNECTIONS NO. 350 AND 351. B 2" DRAIN LINE FROM BOTTOM OF SINK TO SANITARY TYPE FLOOR DRAIN BY DIVISION 15.
33	UTENSIL WASHING SINK 3/4" HW, 3/4" CW, 18" AF. DIVISION 15 CONNECT TO FAUCETS ON BACKSPASH.
34	2" W. DIVISION 15 PIPE FROM SINKS TO GREASE TRAP. GREASE TRAP TO BE FURNISHED AND INSTALLED BY DIVISION 15.
35	SOILED DISHTRAY 3/4" HW, 3/4" CW. DIVISION 15 PROVIDE A TEE AND CONNECT TO THE FAUCET ABOVE THE SINK. PIPE FROM THE TEE TO THE THROUGH INLET THRU THE KEC FURNISHED MIXING VALVE. REFER TO DISHTRAY/DISPOSER PIPING DIAGRAM. B 2" W, 18" AF. DIVISION 15 CONNECT TO DRAIN VALVE ON BOTTOM OF SINK.
36	DISPOSER 1/2" HW, 3/4" CW. DIVISION 15 CONNECT THE HW AND CW TO THE HOSE REEL MOUNTED 90° AP THRU THE KEC FURNISHED MIXING VALVE MOUNTED APPROXIMATELY 24" AF. VERTICAL RISE OF PIPING FROM THE MIXING VALVE TO THE HOSE REEL TO BE CONCEALED WITHIN THE BUILDING WALL. PROVIDE A TEE IN THE CW SUPPLY LINE AND CONNECT TO THE DISPOSER SIDE WATER INLET THRU THE KEC FURNISHED CONTROL PANEL. REFER TO PIPING DIAGRAM.
37	3" W. DIVISION 15 CONNECT TO DISPOSER.
38	HOSE REEL - REFER TO CONNECTION NO. 37A.
39	DISHWASHER 3/4" 140 DEGREE HW. DIVISION 15 CONNECT TO WASHER. B 2" W. DIVISION 15 CONNECT TO WASHER DRAINS. C DRAIN LINES FROM DISHWASHER TANK DRAINS TO SANITARY TYPE FLOOR DRAIN BY DIVISION 15. D 4" X 18" EXHAUST DUCT CONNECTION, 8" ABOVE FINISHED CEILING. EXHAUST FAN AND ALL WELDED SS DUCTS ABOVE FINISHED CEILING BY DIVISION 15. CPM = 250 E 4" X 18" EXHAUST DUCT CONNECTION, 8" ABOVE FINISHED CEILING. EXHAUST FAN AND ALL WELDED SS DUCTS ABOVE FINISHED CEILING BY DIVISION 15. CPM = 500 F DISHWASHER ROOM VENTILATION - THE DISHWASHER DISSIPATES THE FOLLOWING AMOUNT OF HEAT INTO THE DISHWASHER WHICH MUST BE EXHAUSTED BY MEANS OTHER THAN THE EXHAUST DUCTS ON THE END OF THE DISHWASHER. LATENT HEAT = 90,500 BTU/HR. SENSIBLE HEAT = 38,000 BTU/HR.

WORK BY DIVISION 15

ROUGH IN UTILITY LINES THRU WALLS, FLOOR AND CEILING AS SHOWN ON THE DRAWINGS. RUN WASTE LINES FROM THE ROOF IN AND MAKE THE CONNECTIONS ON THE EQUIPMENT. PROVIDE ALL TRAPS, MANIFOLD AND INTERCONNECT SINK DRAINS WHERE SHOWN. RUN SUPPLY LINES FROM THE ROOM IN, PROVIDE STOPS, AND MAKE THE CONNECTIONS TO THE EQUIPMENT. PROVIDE ALL TRAPS, VALVES AND VENTS REQUIRED FOR INSTALLATION.

ALL EXPOSED PIPING (ABOVE COUNTER HEIGHT OR IN A "DIRECT" LINE OF SIGHT SHALL BE CHROME PLATED).

INSTALL SS OR C.P. BRASS ESCUTCHEONS OR FLANGES FOR UTILITY LINES WHICH PENETRATE THROUGH BUILDING WALLS AND EQUIPMENT.

INSTALL FAUCETS, PRE-RINSE ASSEMBLIES, HOSE STATIONS, POT FILLERS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, PRESSURE REGULATING VALVES, WATER STRAINERS, WATER FILTERS, ETC., ALL AS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. PROVIDE WATER PRESSURE REDUCING VALVES AND GAUGES FOR READING SET PRESSURE WHERE REQUIRED.

PROVIDE ALL "INDIRECT" WASTE AND CONDENSATE LINES FROM EQUIPMENT TO FLOOR DRAINS.

THE FOOD SERVICE EQUIPMENT MECHANICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS BASIS IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT CONTRACTORS DRAWING IN DRAWINGS FOR ACCURATE LOCATION OF UTILITIES.

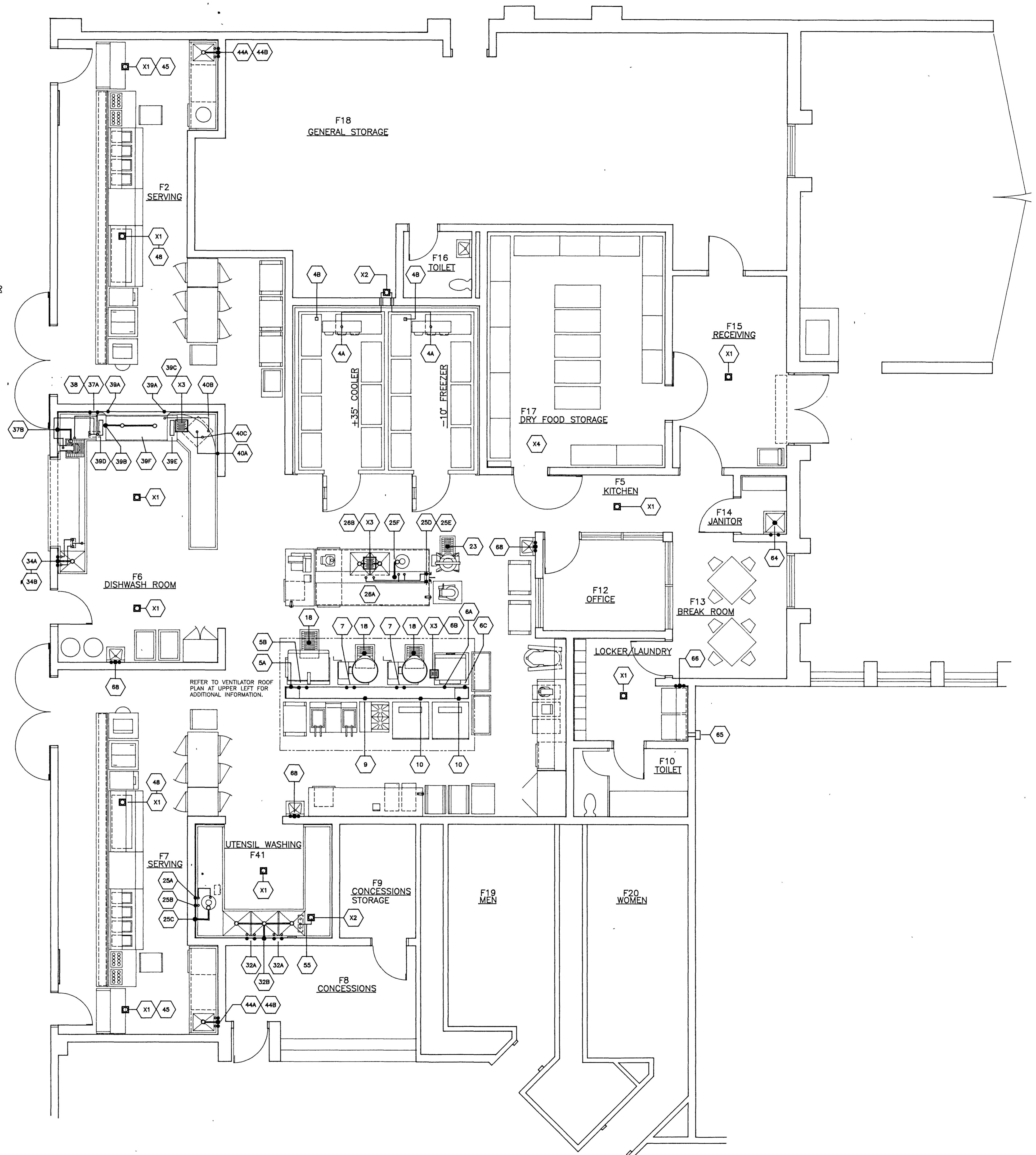
REFER TO THE ITEM EQUIPMENT SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

SYMBOLS

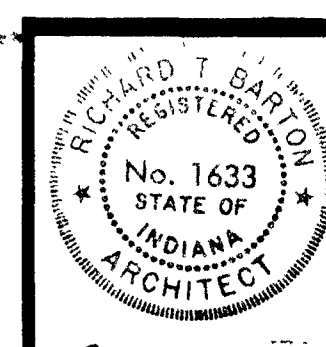
○	ROUGH IN CONNECTION ON EQUIPMENT	—	SOLID PIPING BY DIV. 15
○	FLOOR DRAIN	—	FLEX. PIPING BY KEC
○	OPEN BIGHT DRAIN	—	EXHAUST AIR TAP
○	SANITARY FLOOR DRAIN	—	SUPPLY AIR TAP
○	CONNECTION NUMBER		
○	EQUIPMENT NUMBER		

ABBREVIATIONS

G	GAS	BHP	BOILER HORSEPOWER
SR	STEAM SUPPLY	AF	ABOVE FLOOR
RR	STEAM RETURN	DFA	DROP FROM ABOVE
W	WASTE	BTG	BRANCH TO CONNECTIONS
HW	HOT WATER	SU	STUB UP
CW	COLD WATER	HR	HOUR
FD	FLOOR DRAIN	BTU	BRITISH THERMAL UNIT
SFD	SANITARY FLOOR DRAIN	CFM	CUBIC FEET/MINUTE
FFD	FURNEL FLOOR DRAIN		
ORD	OPEN BIGHT DRAIN		

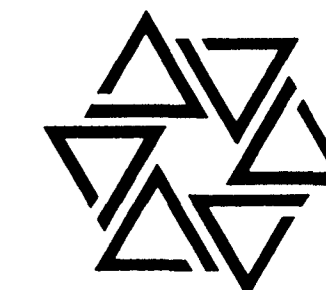


**FOOD SERVICE EQUIPMENT
 MECHANICAL PLAN**



Delbert G. ...

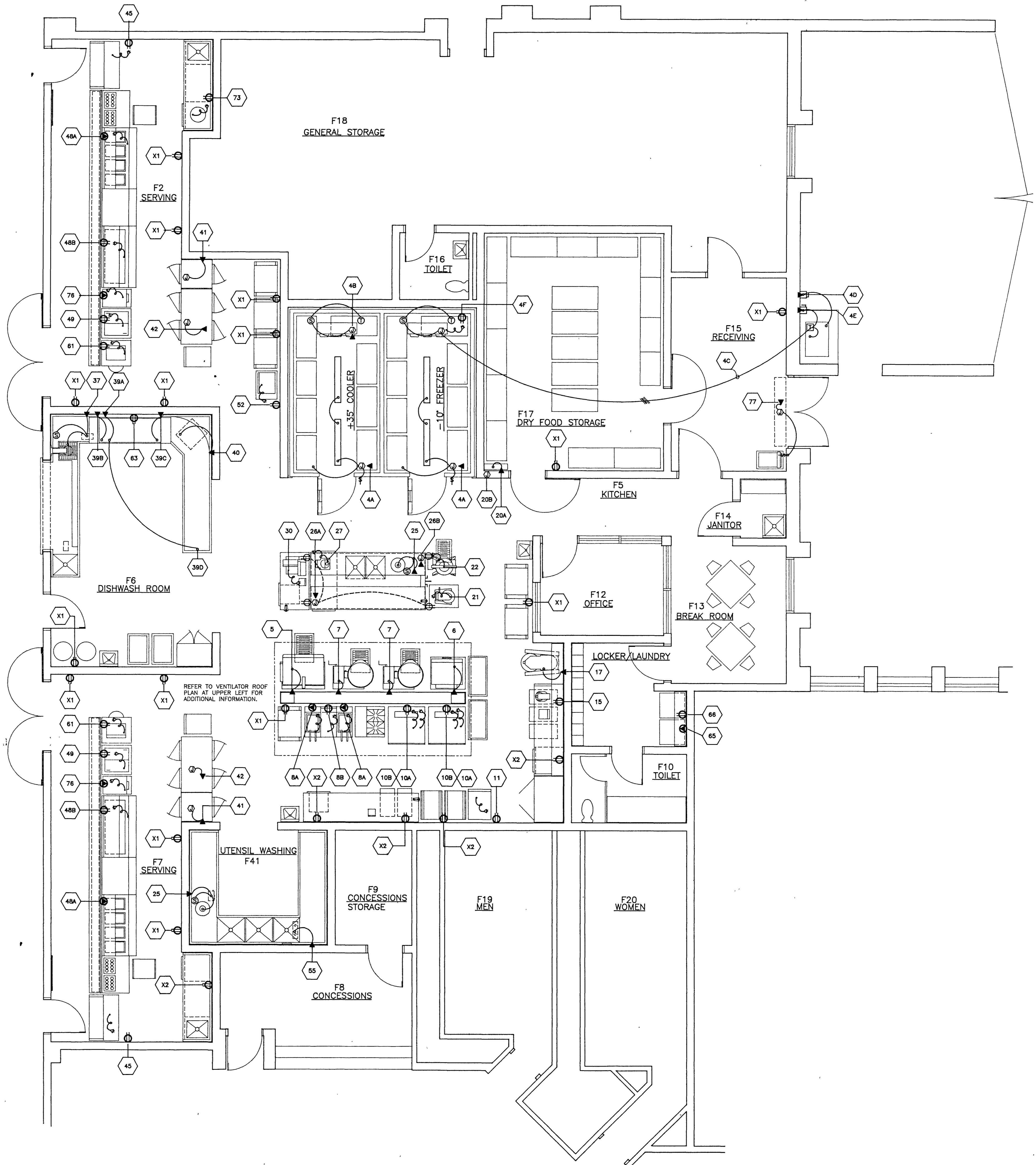
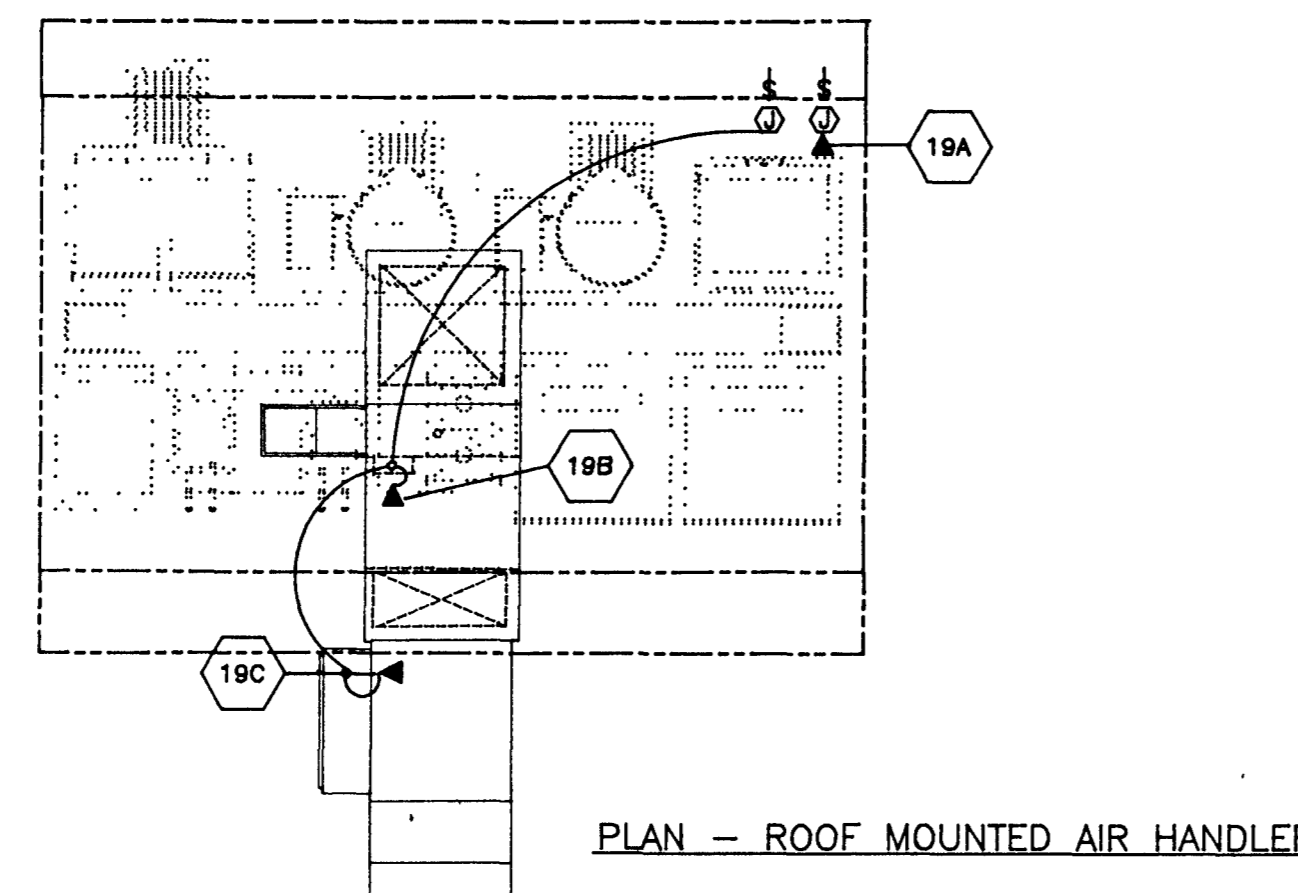
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FORT WAYNE, INDIANA



WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
DATE 2/28/89
DRAWN BY

K5



ELECTRICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED.
1	COOLER/FREEZER A 0.75 KW 120V-1 URDP FROM ABOVE AND CONNECT TO JUNCTION BOX ON TOP OF UNIT CEILING. DIVISION 16 WIRE FROM JB ON TOP OF UNIT CEILING TO KEC FURNISHED LIGHT FIXTURES. ALL CONDUIT AND WIRE SHALL BE INSTALLED ABOVE AND ON THE OUTSIDE OF THE UNIT CEILING. ALL PENETRATIONS THRU THE WALLS AND CEILING ARE TO BE EQUIPPED WITH "SEAL-OFFS". WIRE PERIMETER DOOR HEATERS AND AIR RELIEF VENT HEATERS
2	COOLER COIL - 4.2 AMP 120V-1 DROP FROM ABOVE AND CONNECT TO JUNCTION BOX ON COOLING COIL. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT TO KEC FURNISHED ROOM TEMPERATURE CONTROLS.
3	FREEZER COIL - CONDUIT AND WIRES FROM JUNCTION BOX ON FREEZER COIL TO THE REMOTE TIMER ON THE COMPRESSOR. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT TO KEC FURNISHED ROOM TEMPERATURE CONTROLS. WIRE DRAIN LINE HEATER TO FREEZER COIL "WPT" TERMINALS. REFER TO FREEZER COIL WIRING DIAGRAM.
4	COOLER COMPRESSOR - 1.0 HP 208V-3. DIVISION 16 CONNECT TO KEC FURNISHED DISCONNECT SWITCH ON THE COMPRESSOR. DISCONNECT SWITCH TO BE FACTORY WIRED TO THE COMPRESSOR.
5	FREEZER COMPRESSOR - 2.0 HP 208V-3. DIVISION 16 CONNECT TO KEC FURNISHED DISCONNECT SWITCH ON THE COMPRESSOR. DISCONNECT SWITCH TO BE FACTORY WIRED TO THE COMPRESSOR AND TIMER. REFER TO FREEZER COIL COMPRESSOR WIRING DIAGRAM.
6	20.0 AMP 120V-1. DIVISION 15 WIRE TO A KEC FURNISHED DUPLEX RECEPTACLE.
7	TILT SKILLET - 5.0 AMP 120V-1. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE EQUIPMENT.
8	STEAMER - 10.0 AMP 120V-1. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE EQUIPMENT.
9	TILTING KETTLE, 40 GALLON - 21.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO EQUIPMENT TERMINAL.
10	FRYER W/FILTER, MOBILE A 17.4 KW 480V-3 FOUR WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 16" AF. B 6.5 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
11	CONVECTION OVEN, MOBILE A 12.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 48" AF. B 12.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
12	PROOF CABINET, MOBILE - 2.1 KW 120V-1 RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
13	MIXER, 5 QT. - 2.0 HP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
14	MIXER, 40 QT. - 2.0 HP 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO EQUIPMENT TERMINAL.

ELECTRICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED.
15	RANKIN WOOD A 15.0 AMP 120V-1 DROP FROM ABOVE AND CONNECT TO JUNCTION BOX ON CANOPY. DIVISION 16 WIRE FROM ROUGH IN TO THE JB ON TOP OF HEAD FOR CANOPY LIGHTS. WIRE LIGHT SWITCHES TO JB. RECONNECT WIRING FOR HOOD LIGHTS AT EACH FIELD JOINT.
16	AIR HANDLER - 5.0 HP 480V-3 ON BUILDING ROOF FOR AIR HANDLER. REFER TO 16 WIRE FROM THE ROUGH IN AND CONNECT TO DISCONNECT SWITCH ON AIR HANDLER. WIRE FROM TERMINAL BLOCK ON AIR HANDLER TO FACTORY SUPPLIED CONTROL SWITCH.
17	FURNACE - 30.0 AMP 120V-1. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE EQUIPMENT.
18	FIRE CONTROL SYSTEM A 16.0 AMP 120V-1 24 HOUR FUSED "DEDICATED" SERVICE NEAR CEILING. REFER TO FIRE CONTROL SYSTEM WIRING DIAGRAM. DIVISION 16 PROVIDE ALL RELAYS AND WIRE FROM A MICRO SWITCH MOUNTED ON SYSTEM TO THE BUILDING FIRE ALARM SYSTEM AND TO THE SHUNT TRIP CONTACTORS IN THE MAIN ELECTRICAL PANEL TO SHUT OFF POWER TO THE COOKING EQUIPMENT. (SHUNT TRIP CONTACTORS PROVIDED BY DIVISION 16.) B 4" X 4" FLUSH MOUNTED OCTAGON SHAPED JUNCTION BOX 54" AF. WITH COVER SCREWS SET AT THE 3 O'CLOCK AND 9 O'CLOCK POSITION. DIVISION 16 EXTEND CONDUIT FROM TOP OF JUNCTION BOX UP THRU WALL AND OUT OF WALL ABOVE THE FINISHED CEILING. REFER TO MANUFACTURERS LITERATURE FOR CONDUIT SIZE AND CONDUIT BOXES REQUIRED.
19	MIXER W/STAND, MOBILE - SERVICE FROM ITEM NO. 26 BY KEC.
20	CUTTING MIXER - SERVICE FROM ITEM NO. 26 BY KEC.
21	DISPOSER - 1.25 HP 480V-3 24" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM JB IN WALL TO THE DISPOSER, SOLENOID VALVE AND CONTROL DEVICE.
22	ISLAND WORK CENTER A 5.0 HP 480V-3 13 HP 120V-1. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM THE ROUGH IN TO A FACTORY MOUNTED ON TABLE. RECEPTABLE ON TABLE TO BE INSTALLED AND WIRE TO THE JB BY THE EQUIPMENT MANUFACTURER. B 5.0 HP 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO 28 ON EQUIPMENT. RECEPTABLE ON TABLE TO BE INSTALLED AND WIRE TO THE JB OF THE EQUIPMENT MANUFACTURER. C FOOD PROCESSOR - SERVICE FROM ITEM NO. 26 BY KEC. D SLICER - SERVICE FROM ITEM NO. 26 BY KEC.
23	DISPOSER - 3.0 HP 480V-3 24" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM JB IN WALL TO THE DISPOSER, SOLENOID VALVE AND CONTROL DEVICE.
24	DISHWASHER A 4.0 HP 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER. B 10.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER. C 28.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE DISHWASHER.

ELECTRICAL DATA

MARK	EQUIPMENT IS ROUGHED IN FOR MANUFACTURER AND MODEL NUMBER SPECIFIED.
25	DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM MICRO SWITCH ON END OF CLEAN DISHWASHER TO THE AUTOMATIC ENERGY SAVING CONTROL BOX AND FROM THE CONTROL BOX TO THE DISHWASHER. REFER TO MANUFACTURERS LITERATURE FOR ADDITIONAL INFORMATION.
26	HEATSEAL HEATER - 40.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO EQUIPMENT TERMINAL.
27	HOT FOOD PASS THRU - 7.5 AMP 120/208V-1. DROP FROM ABOVE TO 90" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO EQUIPMENT TERMINAL.
28	COLD FOOD PASS THRU - 12.0 AMP 120V-1. DROP FROM ABOVE TO 90" AF. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO THE TERMINAL ON THE EQUIPMENT.
29	MILK COOLER, MOBILE - .25 HP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 14" AF.
30	SERVING COUNTER, MOBILE A 30.0 AMP 208V-1 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 14" AF. B 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
31	ICE CREAM CABINET, MOBILE - .35 HP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
32	MICRO WAVE OVEN - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
33	SINK HEATER - 3.0 KW 480V-3. DIVISION 16 WIRE IN "SEAL-TIGHT" CONDUIT FROM ROUGH IN TO EQUIPMENT TERMINAL.
34	CASH REGISTER - 14.0 AMP 120V-1 RECEPTACLE WITH ISOLATED GROUND AND A DEDICATED CIRCUIT FOR CASH REGISTER.
35	HETEROGENEOUS INJECTOR - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 60" AF.
36	CLOTHES DRYER - 30.0 AMP 208V-1 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
37	CLOTHES WASHER - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
38	COFFEE MAKER - 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.
39	MILKSHAKE MACHINE - 30.0 AMP 208V-1 THREE WIRE SPECIAL PURPOSE RECEPTACLE FLUSH MOUNTED IN WALL 16" AF.
40	AIR CURTAIN - FLY BAR - .55 HP = .35 HP = 12.0 KW 480V-3. 90" AF. DIVISION 16 INSTALL KEC FURNISHED PUSH BUTTON STATION FLUSH MOUNTED IN BUILDING WALL 54" AF AND WIRE TO FAN. A 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 16" AF. B 20.0 AMP 120V-1 DUPLEX RECEPTACLE FLUSH MOUNTED IN WALL 48" AF.

WORK BY DIVISION 16

ROUGH IN ELECTRICAL SERVICE THRU WALLS, FLOORS AND CEILING AND RUN CONDUIT AND CONDUCTORS FROM THE ROUGH IN. MAKE THE CONNECTIONS TO A TERMINAL BLOCK, TERMINAL PANEL OR JUNCTION BOX ON THE EQUIPMENT.

FURNISH AND INSTALL ALL ELECTRICAL OUTLETS IN WALLS, FLOOR AND CEILING.

FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED FOR THE EQUIPMENT IN ACCORDANCE WITH THE ELECTRICAL CODE.

FURNISH AND INSTALL ALL CONDUIT AND WIRING BETWEEN REMOTE CONTROL PANELS AND THE FOOD SERVICE EQUIPMENT.

THE FOOD SERVICE EQUIPMENT ELECTRICAL DRAWINGS AND EQUIPMENT DATA INFORMATION ARE PREPARED FOR THE CONVENIENCE OF BIDDING AND ARE NOT INTENDED AS WORK IN DRAWINGS TO BE USED ON THE PROJECT SITE. REFER TO THE FOOD SERVICE EQUIPMENT CONTRACTORS ROUGH IN DRAWING FOR ACCURATE LOCATION OF UTILITIES.

VERIFY ELECTRICAL CHARACTERISTICS OF OWNER'S EXISTING EQUIPMENT WHICH IS TO BE REUSED.

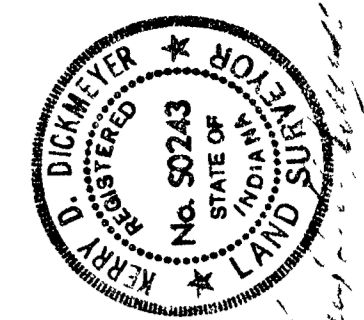
ABBREVIATIONS

DR	DUPLEX RECEPTACLE	KW	KILOWATT
SRD	SPECIAL RECEPTACLE	HP	HORSEPOWER
JB	JUNCTION BOX	V	VOLTS
DS	DISCONNECT SWITCH	SU	STUB UP
AMP	AMPERAGE	AF	ABOVE FLOOR
C/P	CORD AND PLUG	DFA	DROP FROM ABOVE

SYMBOLS

○	ROUGH IN	⊗	DISCONNECT SWITCH
⊙	JUNCTION BOX	—	CORD AND PLUG
⊚	SOLENOID	—	WIRING BY DIVISION 16
⊛	THERMOSTAT	—	WIRING BY KEC
⊜	CONDUIT	⊕	DUPLEX RECEPTACLE
⊝	RELAY	⊖	FLOOR RECEPTACLE
⊞	ALARM	⊗	SPECIAL PURPOSE OUTLET
⊟	TIMER	⊘	CONNECTION NUMBER
⊠	LIGHT	⊙	EQUIPMENT NUMBER
⊡	SWITCH		

FOOD SERVICE EQUIPMENT ELECTRICAL PLAN



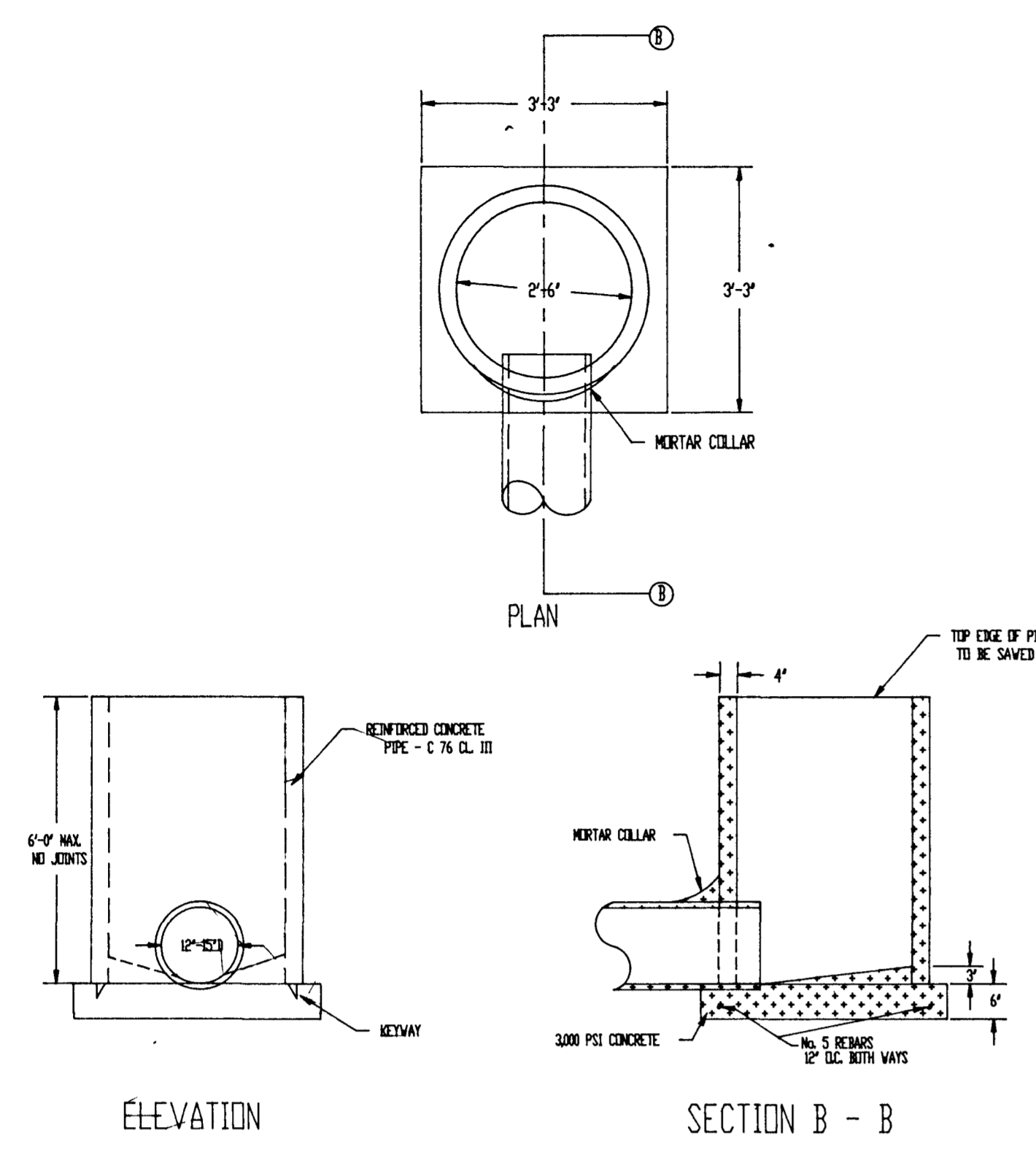
COIL & DICKMEYER, INC.
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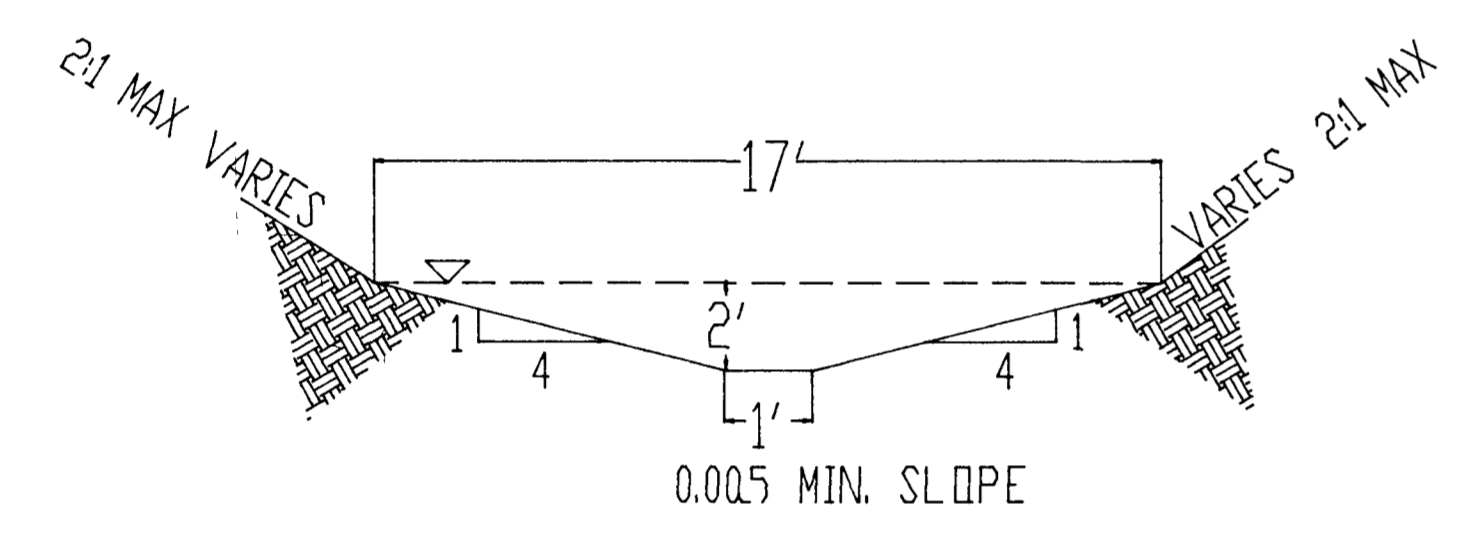
WAWASSEE MIDDLE SCHOOL
 MISCELLANEOUS DETAILS
 SYRACUSE, INDIANA

COMM. NO. 7814
 DATE 2/28/89
 DRAWN BY

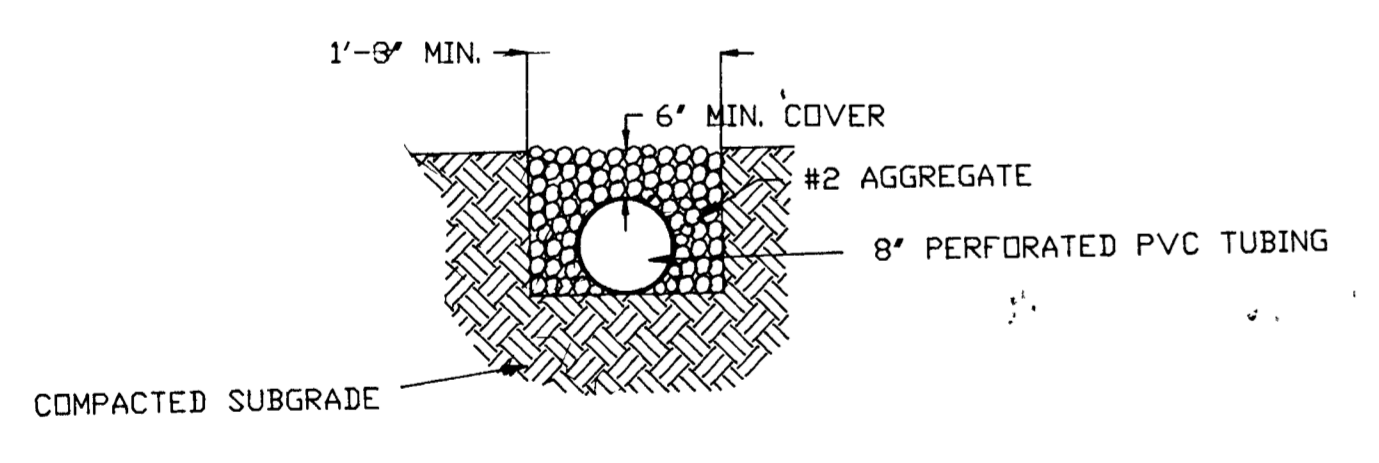
SP-7



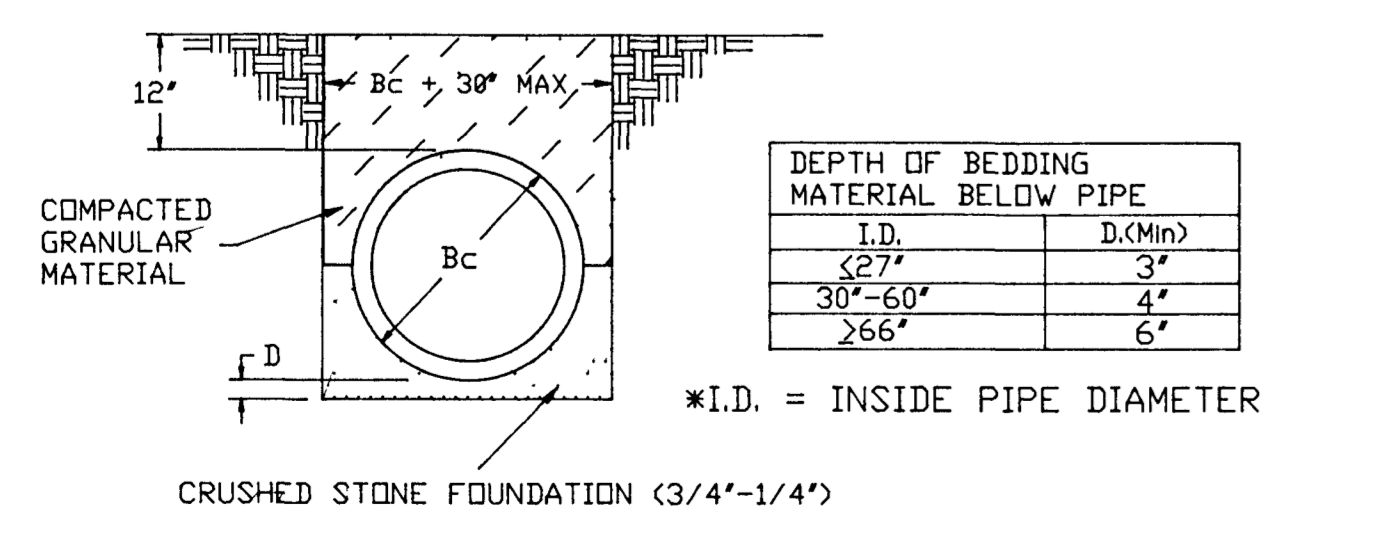
1 STANDARD INLET - TYPE I



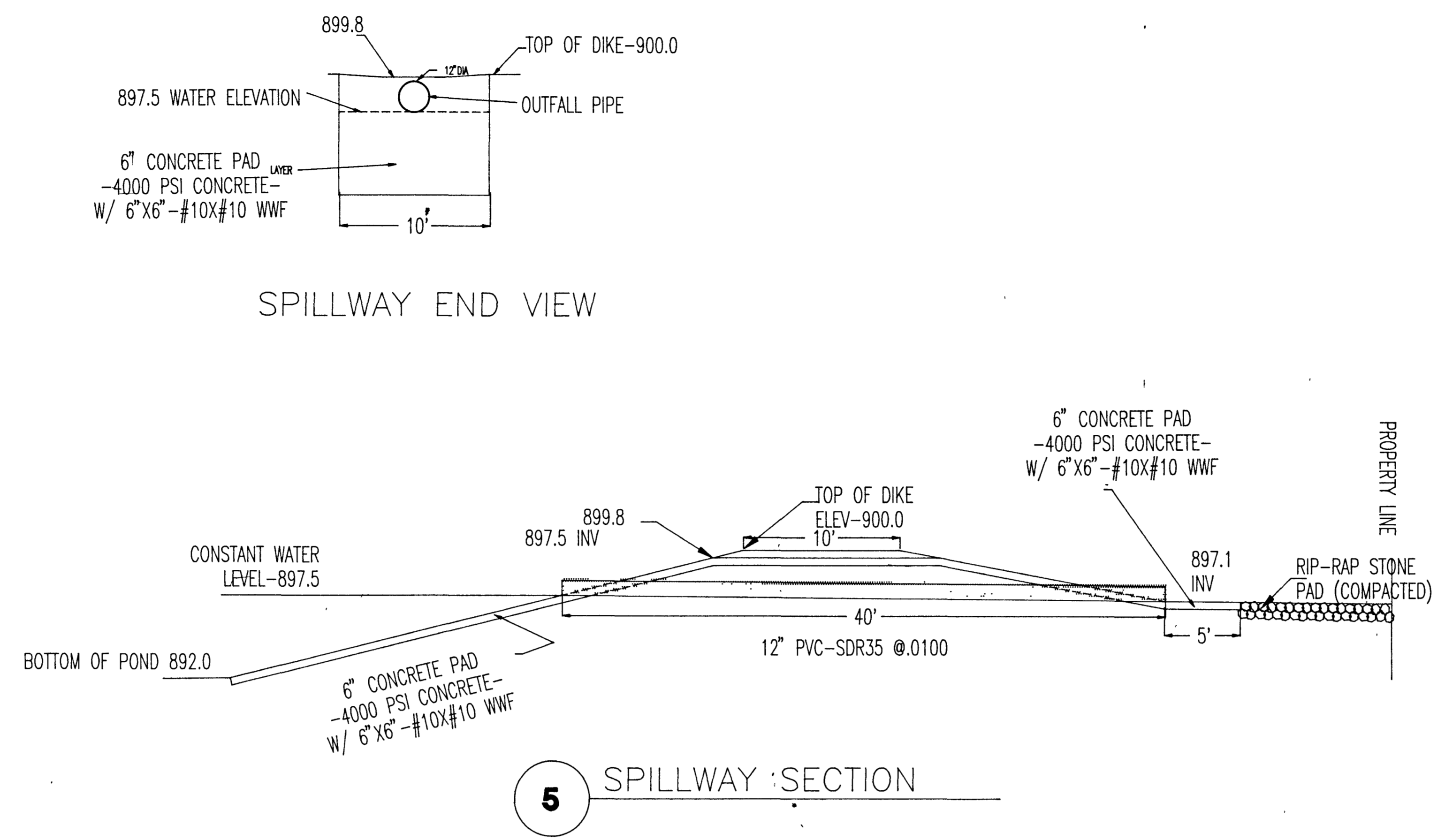
2 TYPICAL SWALE SECTION



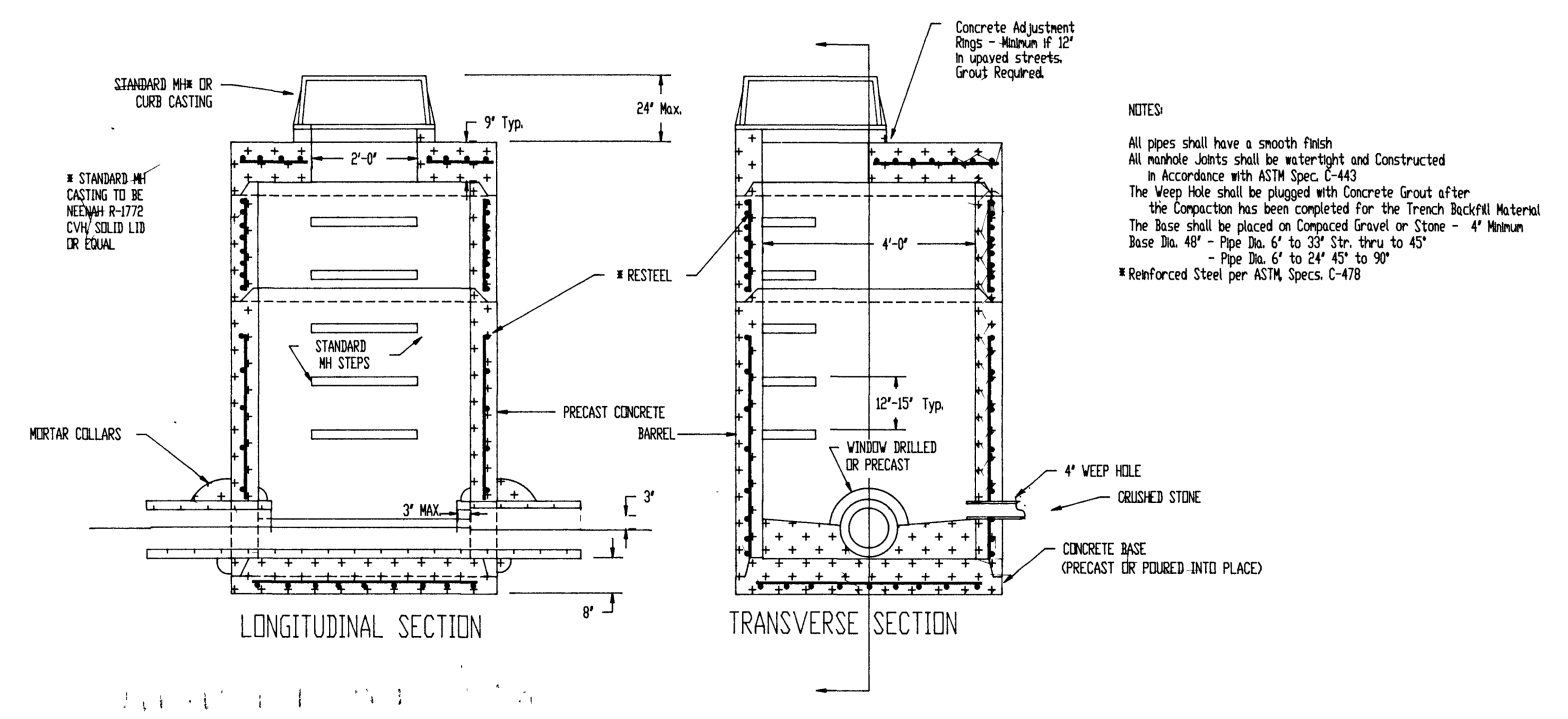
3 UNDER-DRAIN DETAIL



4 TYPICAL CLASS II PIPE BEDDING FOR FLEXIBLE CONDUITS



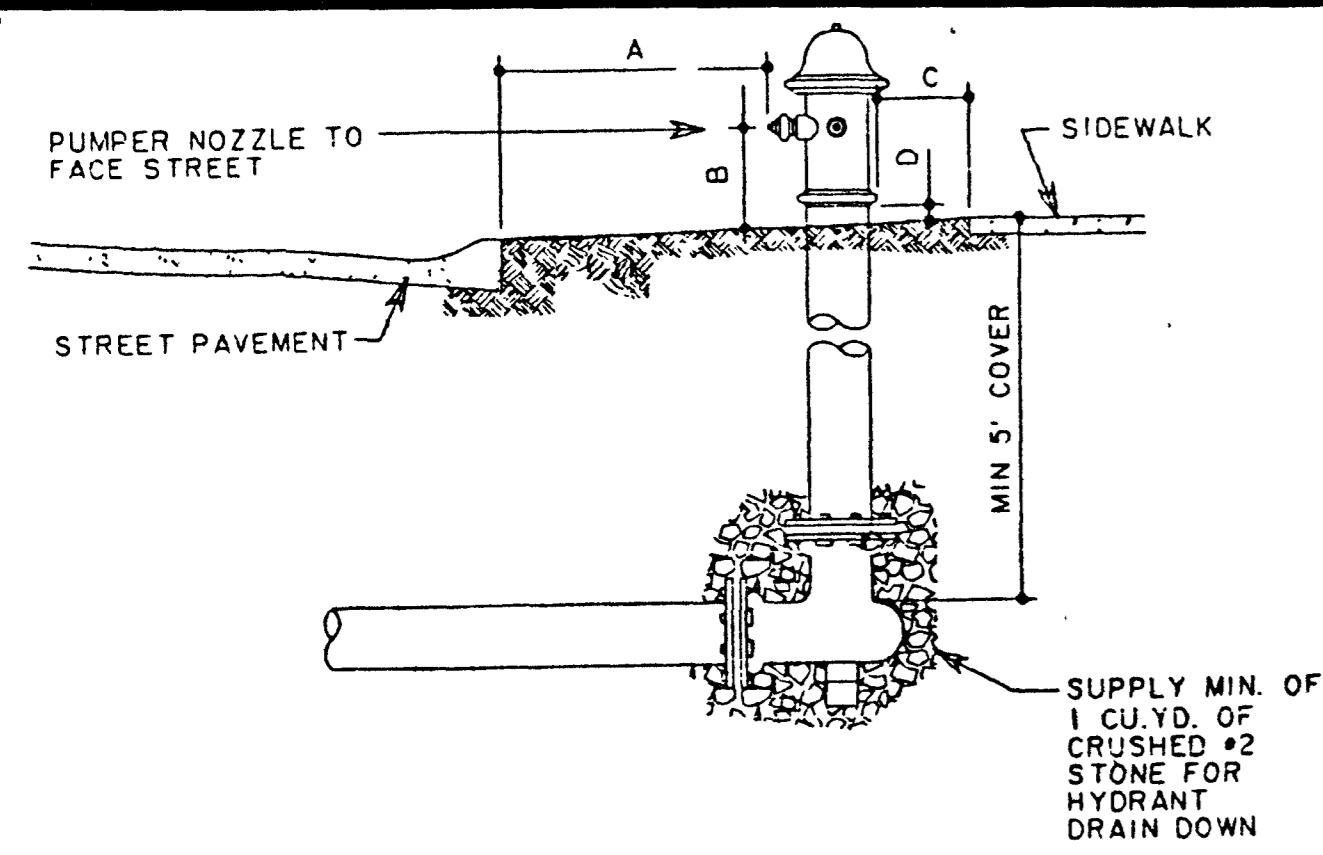
5 SPILLWAY SECTION



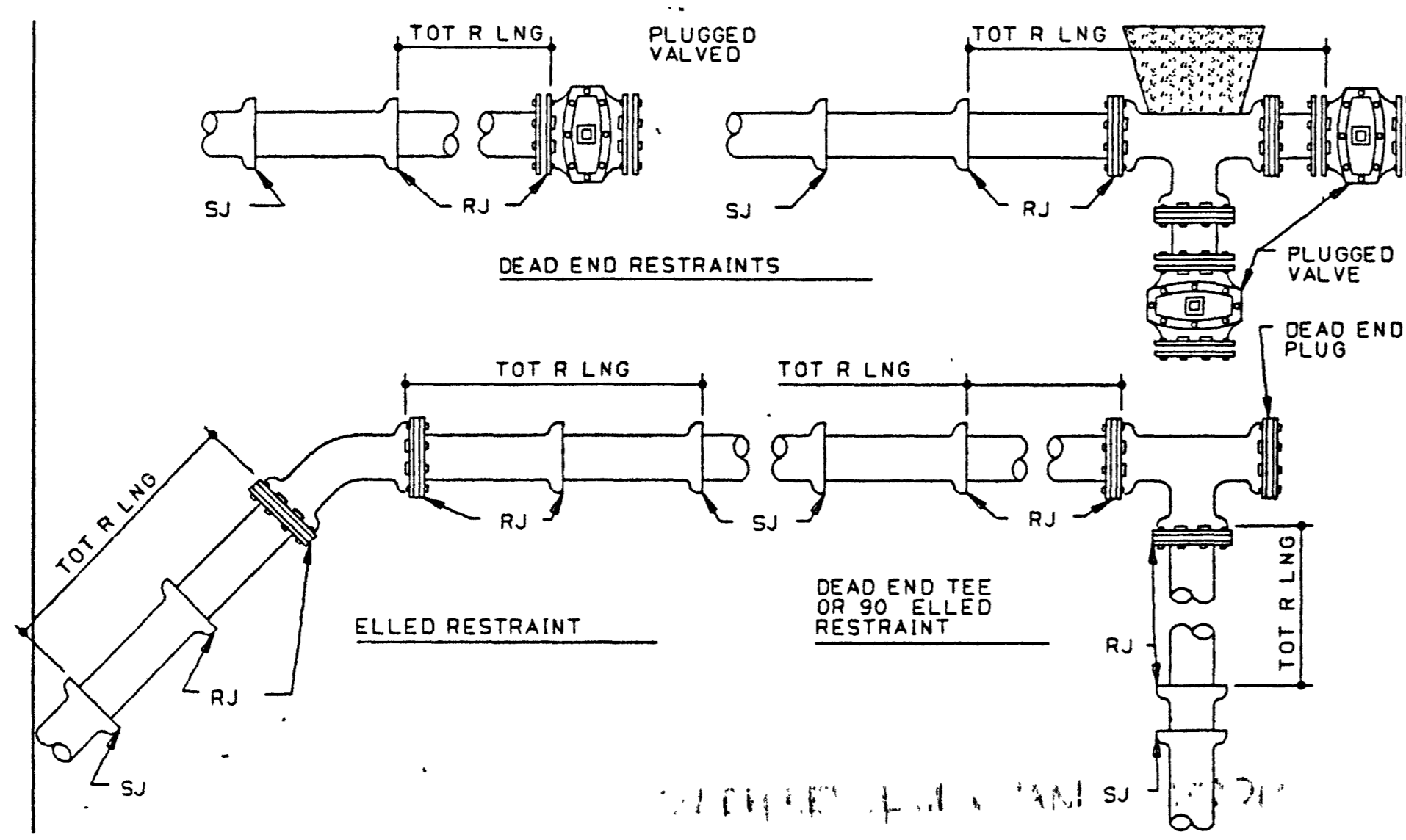
6 STANDARD MANHOLE - TYPE I

NOTES
 All pipes shall have a smooth finish
 All manhole joints shall be watertight and constructed in accordance with ASTM Spec. C-443
 The Weep Hole shall be plugged with Concrete Grout after the Compaction has been completed for the Trench Backfill Material
 The Base shall be placed on Compacted Gravel or Stone - 4" Minimum Base Dia. 48" - Pipe Dia. 6" to 36" Str. thru to 45" - Pipe Dia. 6" to 24" 45" to 90"
 * Reinforced Steel per ASTM Specs. C-478

NOTE:
 ALL DETAILS, UNLESS SPECIFIED ARE NOT TO SCALE
MISCELLANEOUS SITE DETAILS



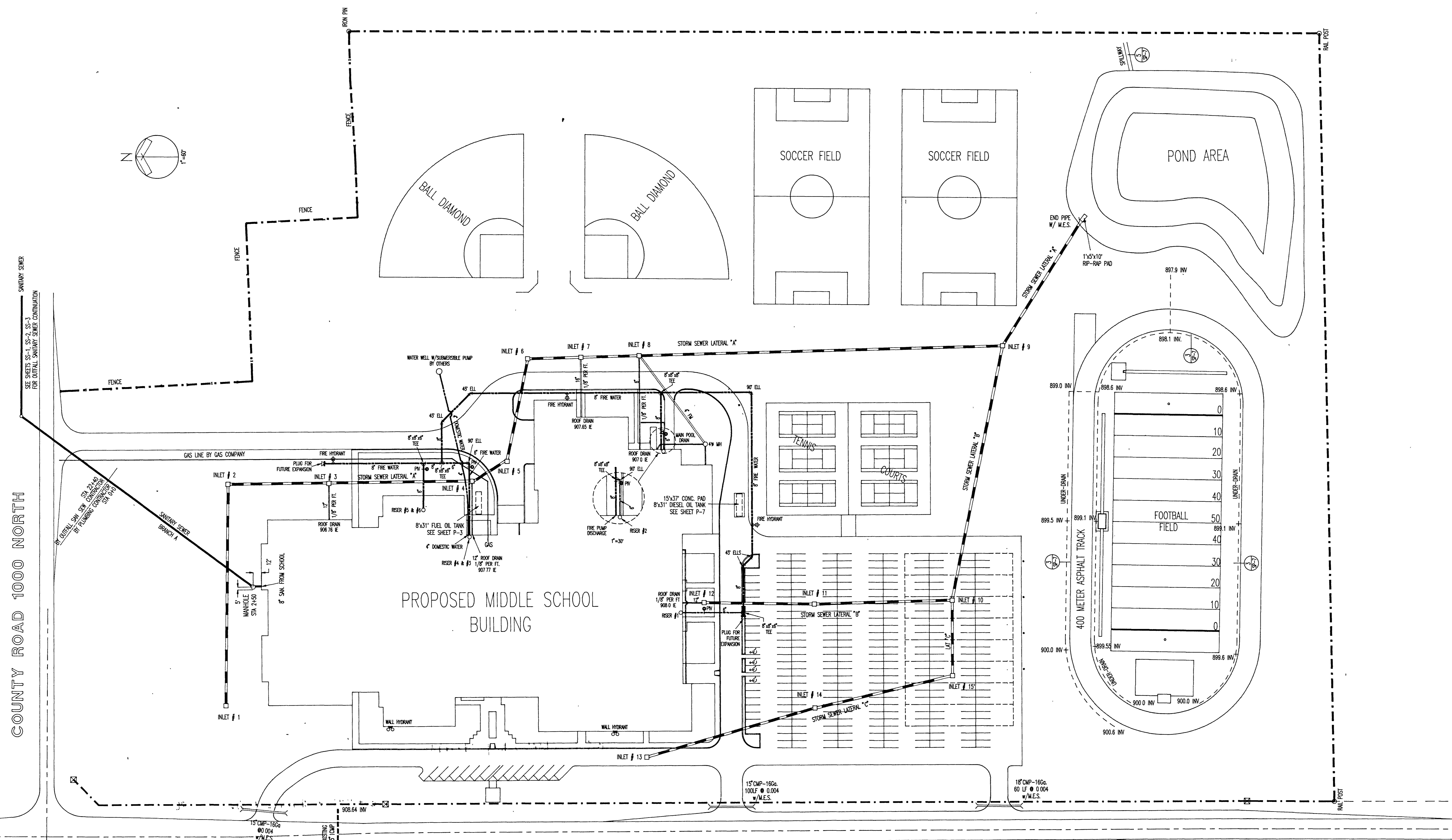
- NOTE
WHERE FIRE HYDRANTS MUST BE LOCATED IN A PAVED AREA, KNOCK-OUT BLOCKS A MINIMUM OF 5" X 5" WITH EXPANSION JOINTS ON ALL SIDES ARE TO BE PROVIDED.
- A. PUMPER NOZZLE MIN 12", MAX 42" FROM BACK OF CURB & FACING CURB
 - B. PUMPER NOZZLE MIN 12" ABOVE GROUND LINE
 - C. NO PART OF HYDRANT LESS THAN 6" FROM SIDEWALK
 - D. MIN 2", MAX 8" ABOVE GRADE TO FLANGE OR GROUND LINE MARK ON HYDRANT



RODDING RESTRAINT SCHEDULE

MIN. FOOTAGE OF RESTRAINED PIPE & NUMBER & SIZE OF RESTRAINING RODS FOR VARIOUS DIAMETERS & DEGREES - CAST & DUCTILE IRON ELBOWS.

COVER DIA. - MIN. FT.	DEGREE OF ELBOW											
	11 1/4°			22 1/2°			45°			90° OR DEAD END TEE		
	ROD SIZE & NUMBER	4'	5'	ROD SIZE & NUMBER	4'	5'	ROD SIZE & NUMBER	4'	5'	ROD SIZE & NUMBER	4'	5'
4"	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
6"	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
8"	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
10"	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
12"	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR



COUNTY ROAD 1000 NORTH

STATE ROAD 13

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CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS
6044 E. STATE BOULEVARD
FORT WAYNE, INDIANA 46815
219-749-0125

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ARCHITECTS ENGINEERS, INC.
FORT WAYNE, INDIANA

**WAWASEE MIDDLE SCHOOL
MECHANICAL SITE PLAN
SYRACUSE, INDIANA**

COMM. NO. 7814
DATE 2/28/89
DRAWN BY

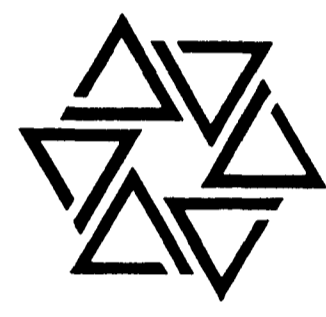
SP-8

MECHANICAL SITE PLAN
SCALE 1" = 60'-0"



Frank Coe

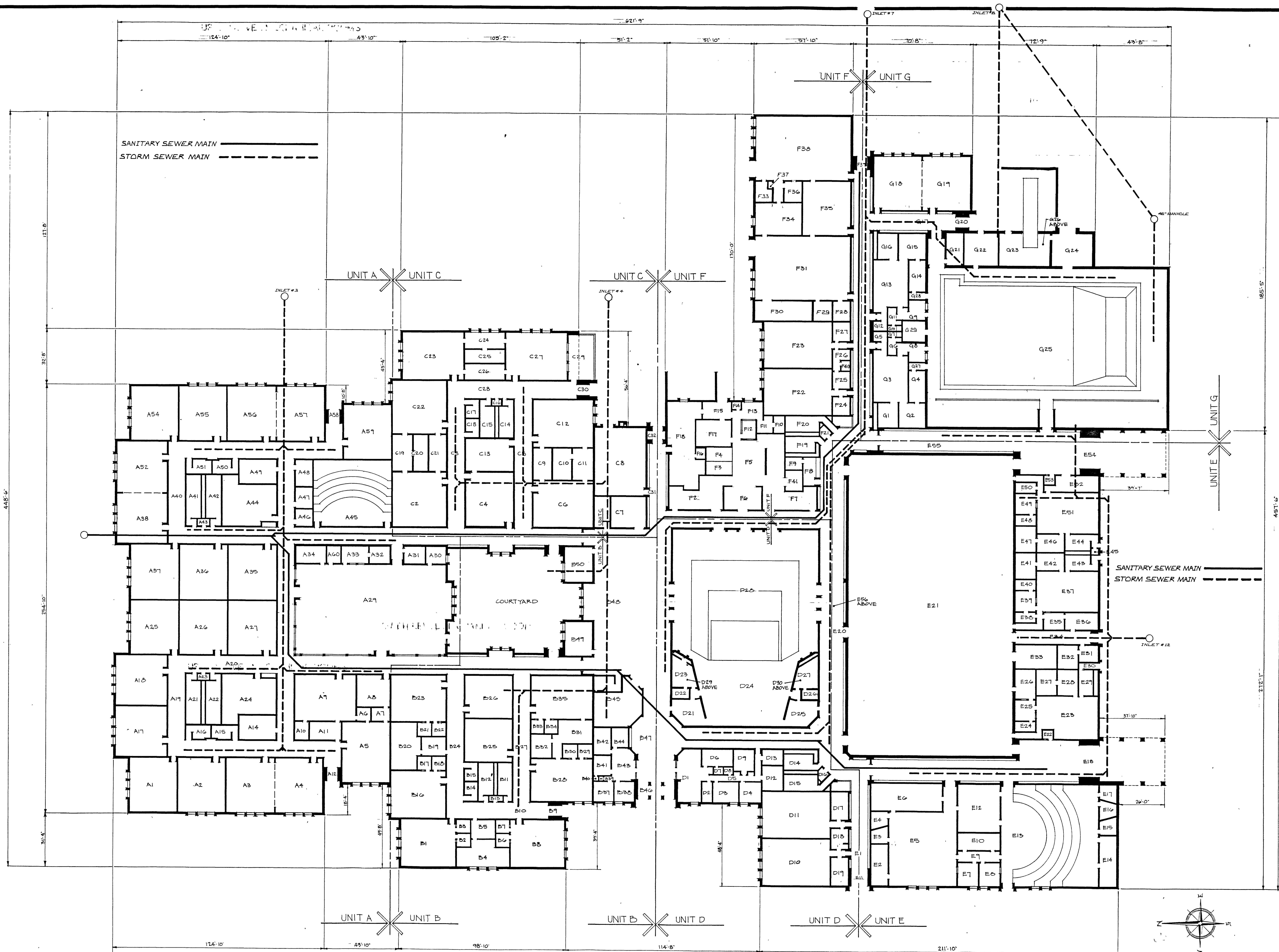
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ARCHITECTS ENGINEERS, INC.
FORT WAYNE, INDIANA



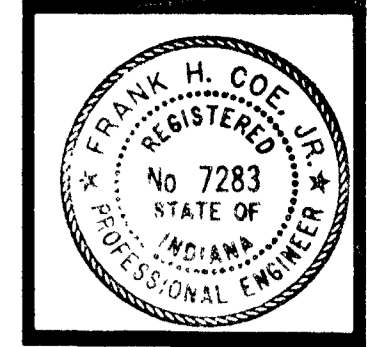
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
DATE 2/28/89
DRAWN BY JS

MP 1

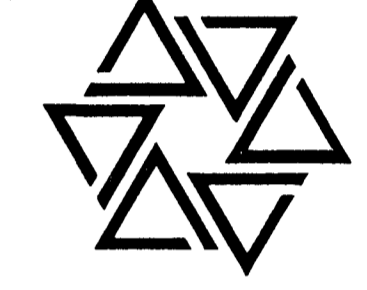


MECHANICAL/PLUMBING MASTER PLAN
SCALE 1" = 20'-0"



Hank H. Coe

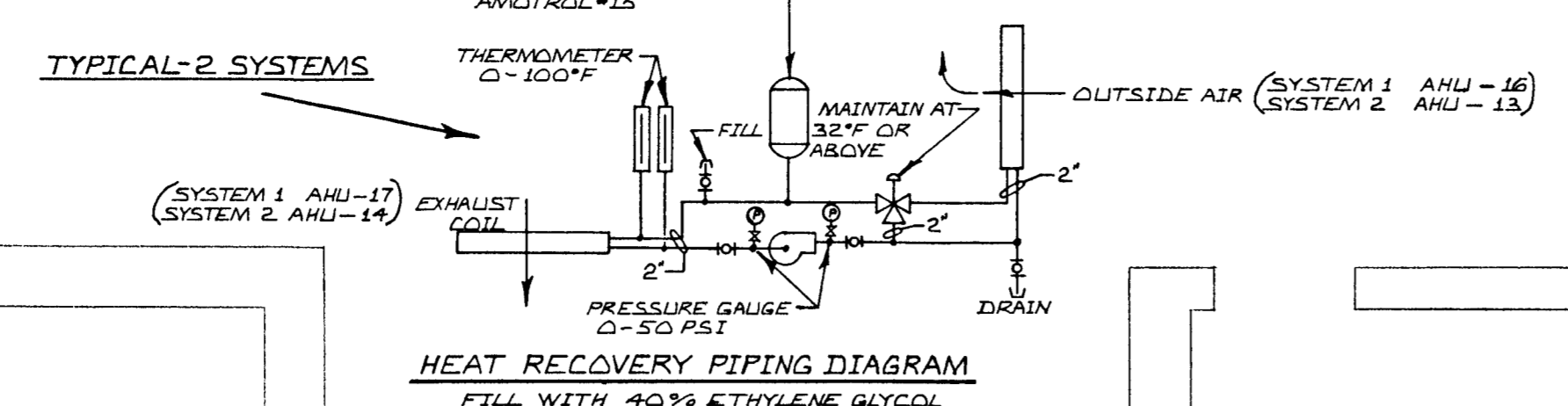
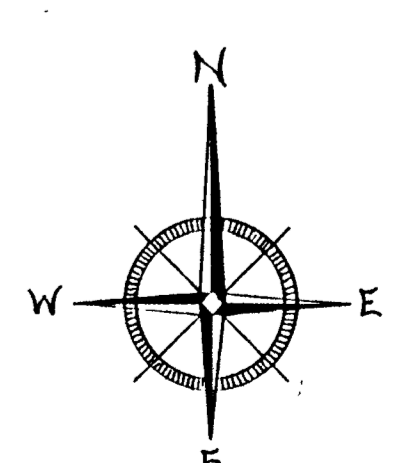
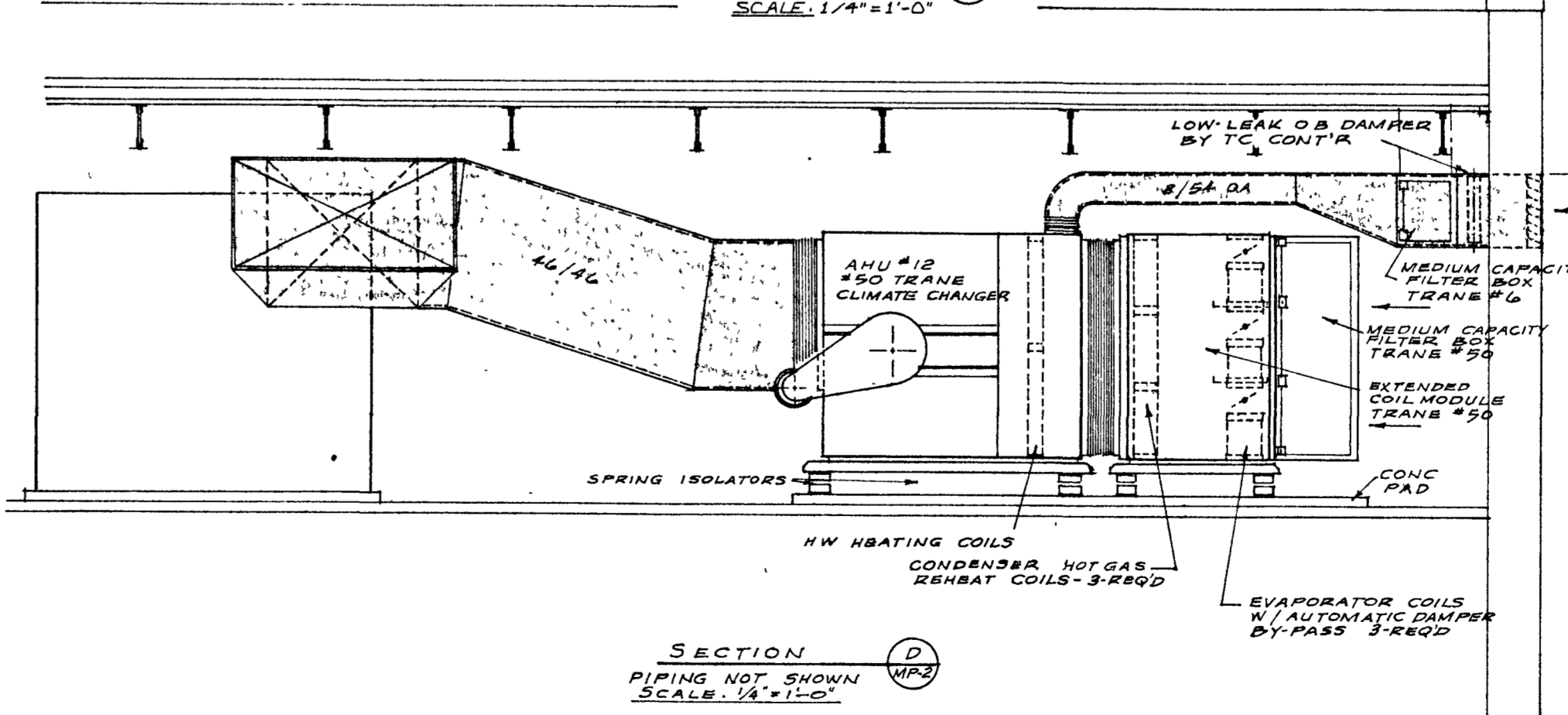
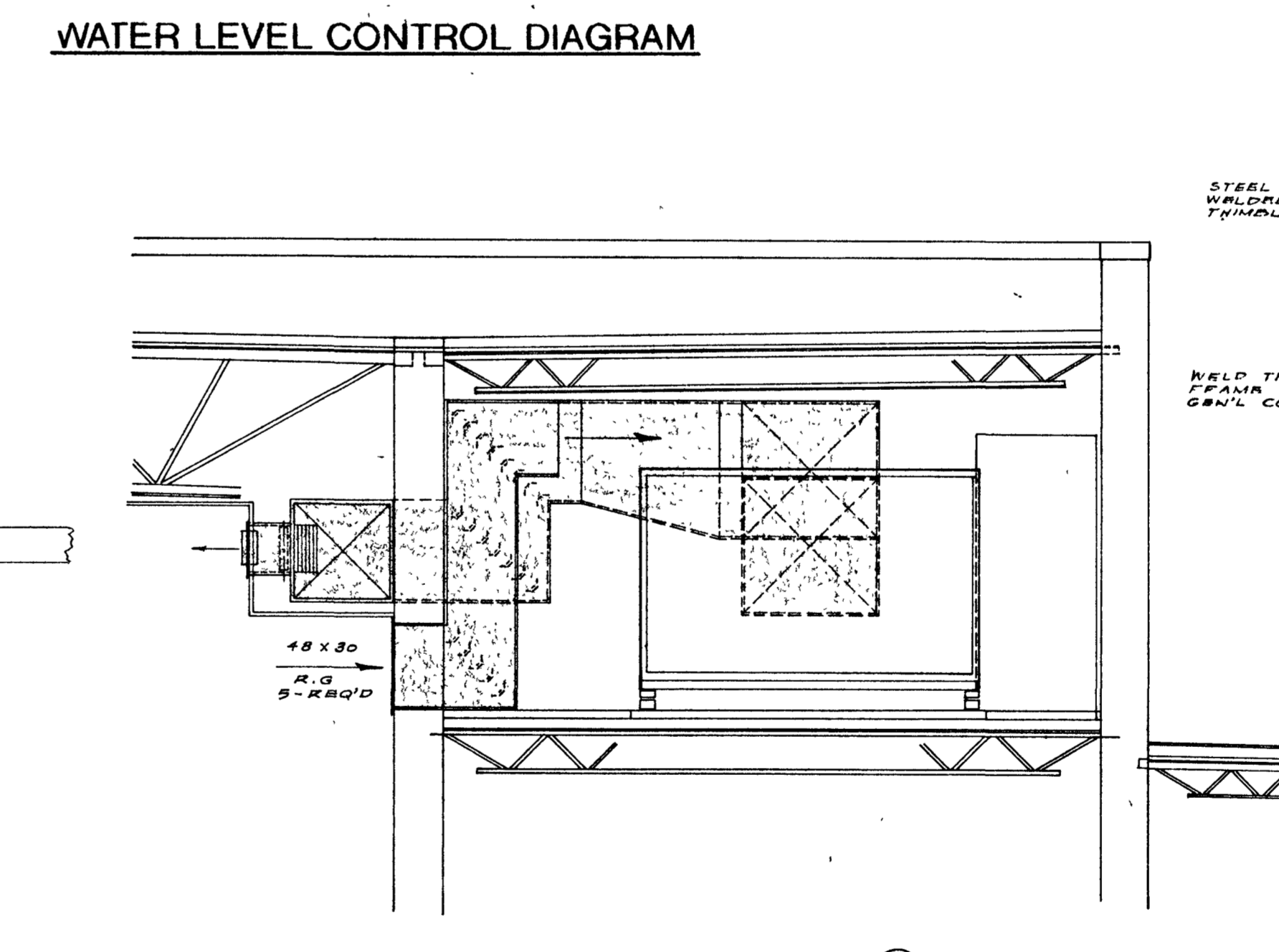
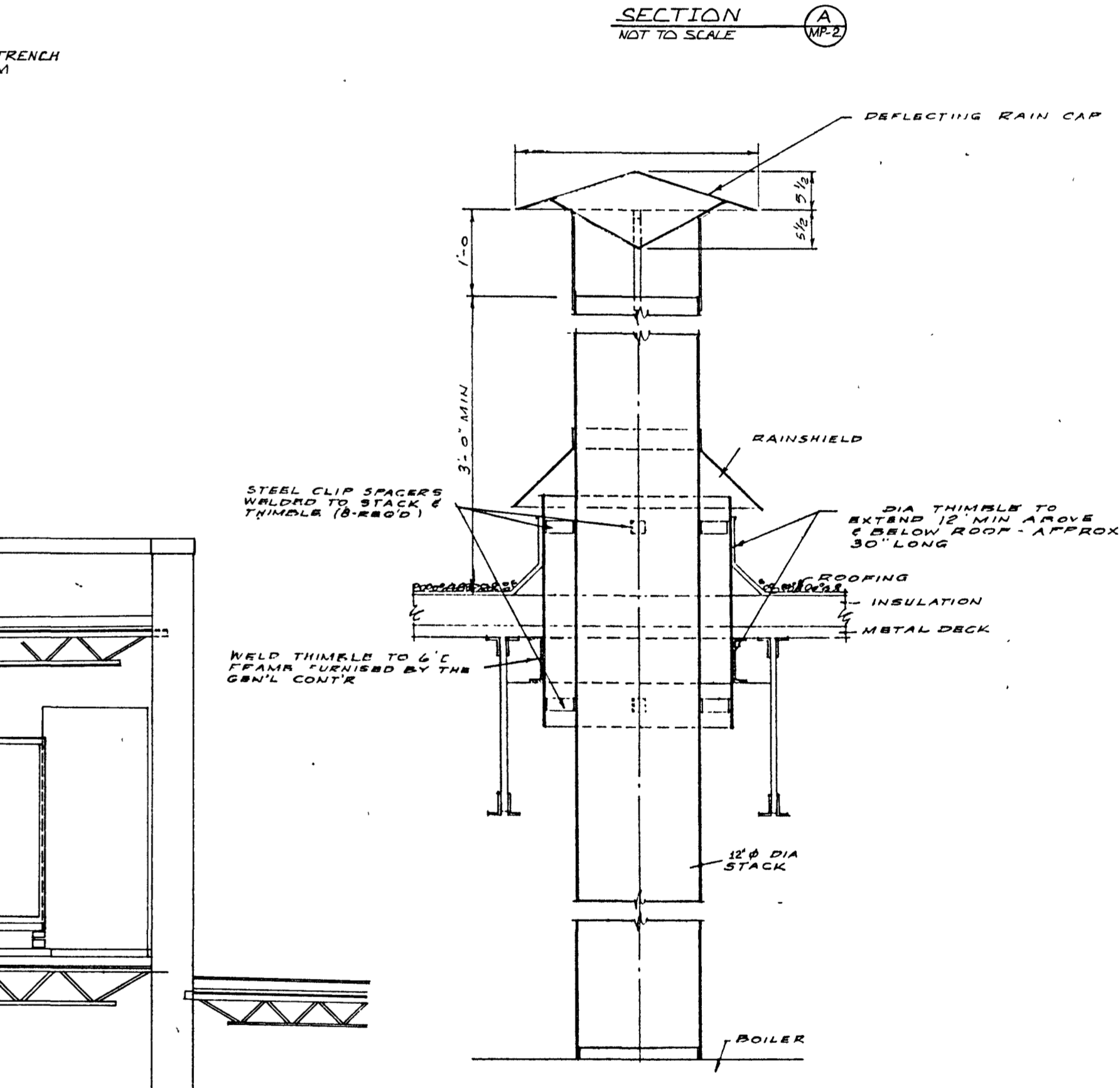
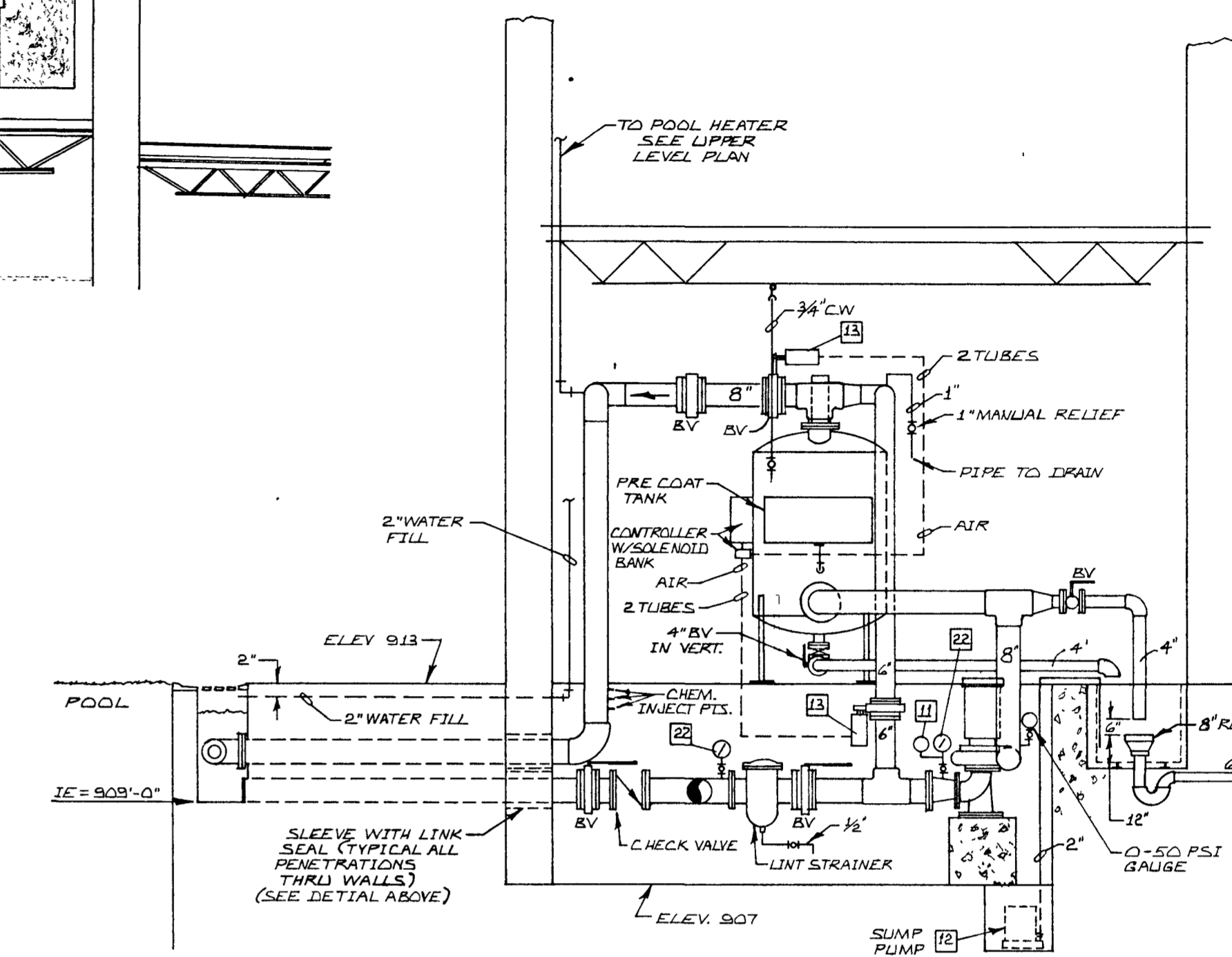
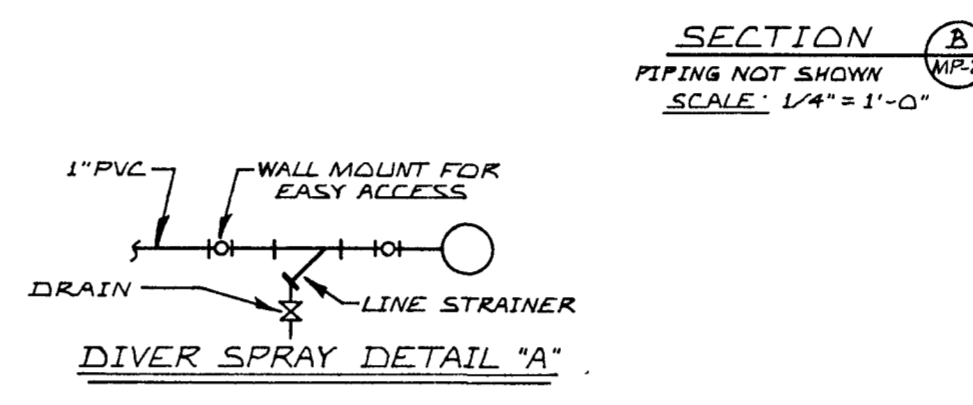
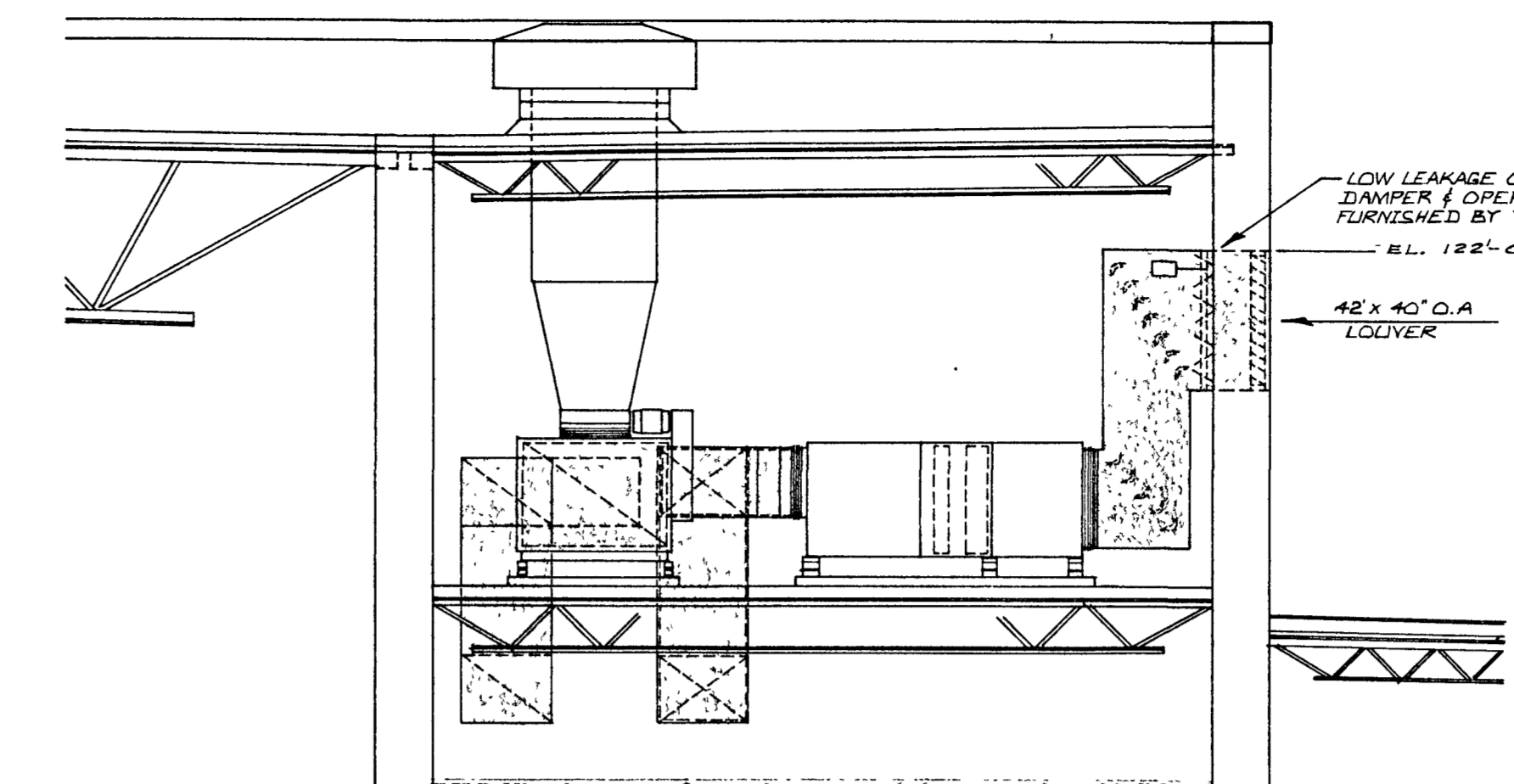
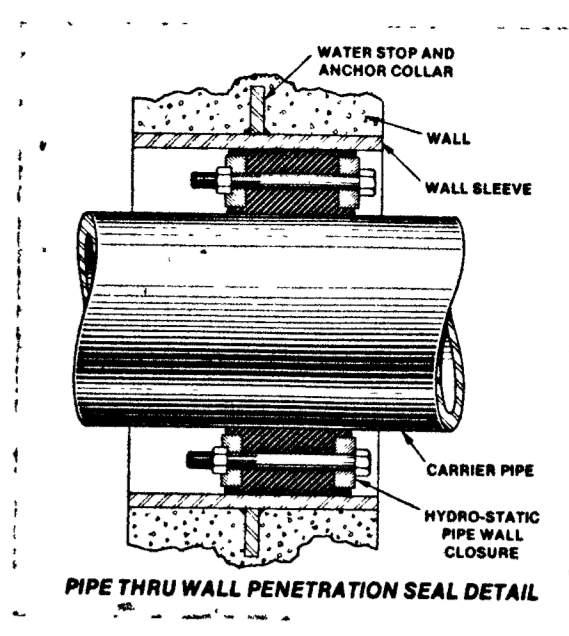
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WAWASEE COMMUNITY SCHOOL CORP.
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MP2



HEAT RECOVERY PIPING DIAGRAM
FILL WITH 40% ETHYLENE GLYCOL

NOTE:
ALL POOL PIPE SCH. 80 PVC
UNLESS OTHERWISE NOTED

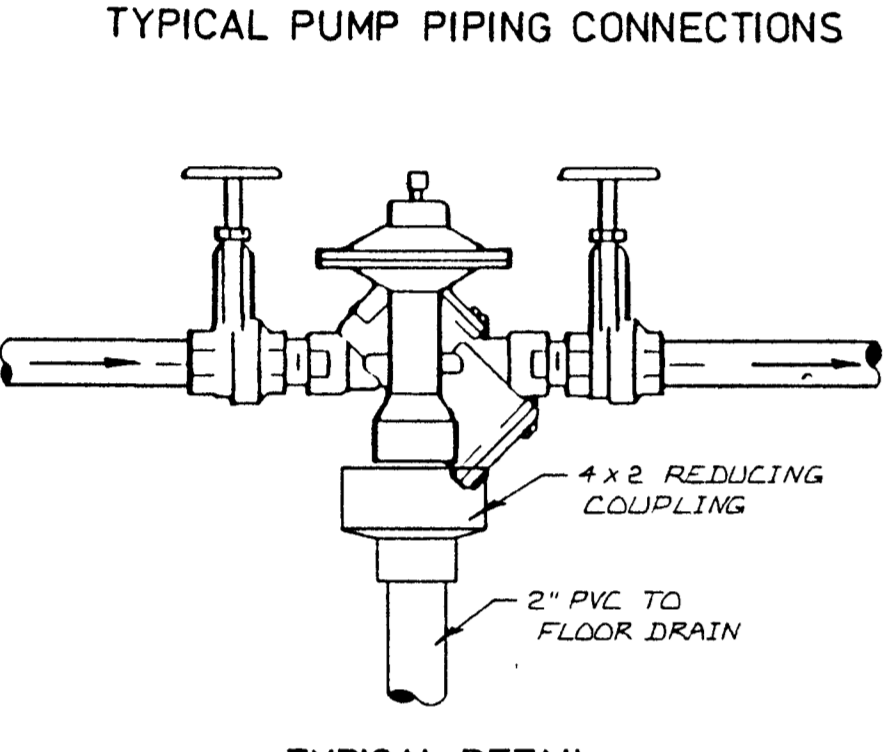
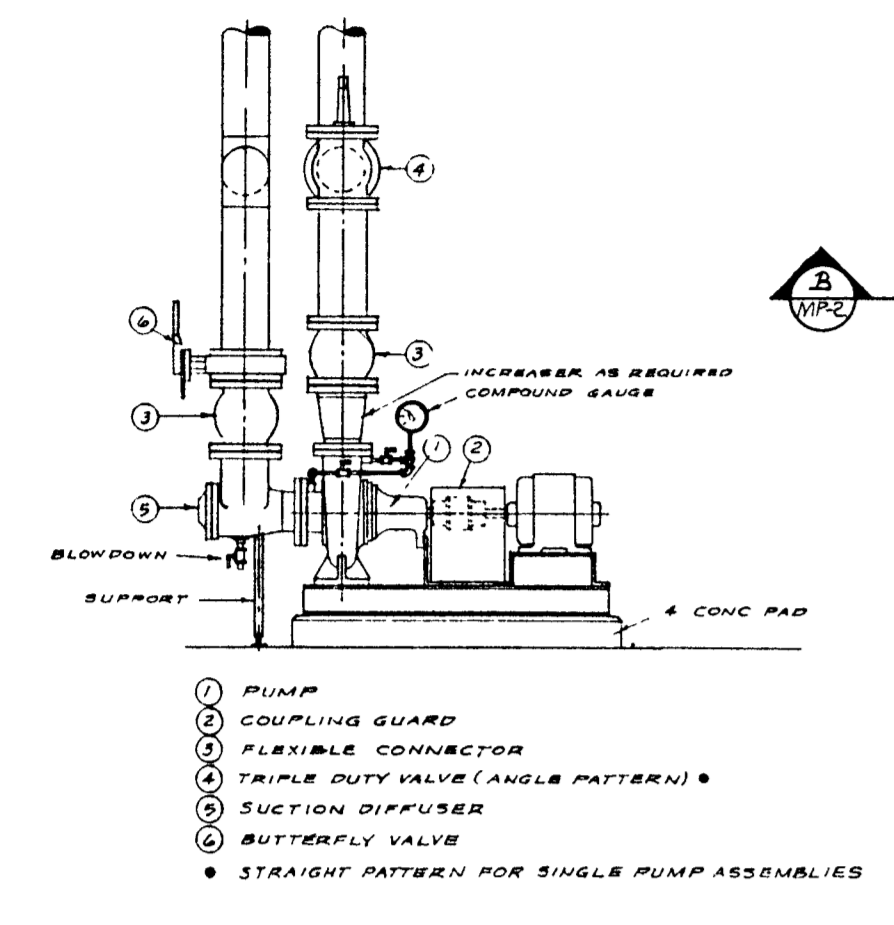
WATER ANALYZER DETAIL showing a schematic of a water analyzer system with a water analyzer, pump, and various piping connections.

WATER LEVEL CONTROL DIAGRAM showing a schematic of a water level control system with a float valve, pump, and piping.

LOWER LEVEL MECHANICAL ROOMS showing a schematic of the lower level mechanical rooms with various equipment and piping.

UPPER LEVEL MECHANICAL ROOMS showing a schematic of the upper level mechanical rooms with various equipment and piping.

- POOL EQUIPMENT**
1. Filtrix Inc., EC-7005, regenerative diatomaceous earth filter with 1110B-1-SSC controller.
 2. Circulation pump, 933 EPN, 480V/3/60, 25 HP, Aurora 342-4 x 5 x 11; See Pump Schedule.
 3. 8\"/>
 4. 1/2\"/>
 5. Air dryer unit, 110V/1/60.
 6. 8\"/>
 7. Diatomaceous earth interceptor, 30\"/>
 8. Fisher leveltrol; mounted on 4\"/>
 9. Warwick probe unit mounted on 1\"/>
 10. Warwick solenoid valve, pool water make up valve; See Water Level Control Diagram.
 11. Vercoid vacuum limit switch.
 12. Submersible slump pump, 1\"/>
 13. Air operated butterfly valve.
 14. 100 gallon chlorine tank and wall mounted feed pump, 120V/1/60.
 15. 50 gallon chlorine mixing tank and 1/8 HP solution transfer pump; 120V/1/60; STA-WITE S1 or equal.
 16. 50 gallon Dechlor tank with wall mounted feed pump; 120V/1/60.
 17. 50 gallon Ph tank with wall mounted feed pump, 120V/1/60.
 18. Water analyzer wall mounted; Stranrol 790 Series or equal with 712 Dechlor analyzer and electrode.
 19. Flow meter; wall mounted.
 20. 8\"/>
 21. Check valve; wafer type; PVC Technocheck, BY P.C.
 22. Compound gauge.



TYPICAL DETAIL
BACKFLOW PREVENTER W/ DRAIN
NOT TO SCALE

TYPICAL-2 SYSTEMS

TYPICAL PUMP PIPING CONNECTIONS

TYPICAL DETAIL
BACKFLOW PREVENTER W/ DRAIN
NOT TO SCALE

TYPICAL-2 SYSTEMS

TYPICAL PUMP PIPING CONNECTIONS

TYPICAL DETAIL
BACKFLOW PREVENTER W/ DRAIN
NOT TO SCALE

TYPICAL-2 SYSTEMS

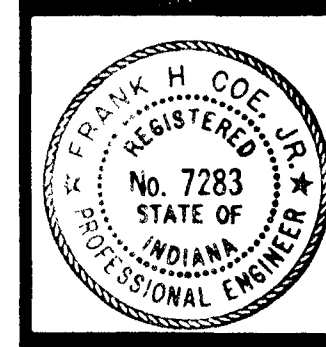
TYPICAL PUMP PIPING CONNECTIONS

TYPICAL DETAIL
BACKFLOW PREVENTER W/ DRAIN
NOT TO SCALE

TYPICAL-2 SYSTEMS

TYPICAL PUMP PIPING CONNECTIONS

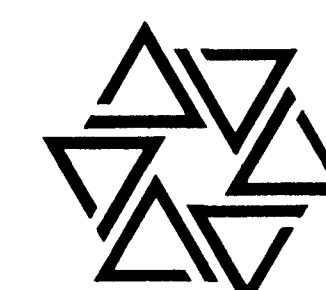
TYPICAL DETAIL
BACKFLOW PREVENTER W/ DRAIN
NOT TO SCALE



MECHANICAL / PLUMBING SYMBOLS

- U.C.W. UNSOFTENED COLD WATER
- H.W.S. Hot Water Heating or Cooling Supply Piping (HCS)
- H.C.R. Hot Water Heating or Cooling Return Piping (HCR)
- C.D.P. Condensate Drain Piping
- C.W.P. Cold Water Piping
- H.W.P. Hot Water Piping
- H.W.R.P. Hot Water Return Piping
- S.W.L.P. Soil, Waste or Leader Piping
- V.P. Vent Piping
- G.P. Gas Piping
- G.V. Gate Valve
- B.V. Ball Valve
- B.F.V. Butterfly Valve
- S.C.V. Swing Check Valve
- A.C.V. Automatic Control Valve
- C.P.M. Circuit Setter (GPM)
- L. Lavatory
- E.W.C. Electric Water Cooler
- F.D. Floor Drain
- R.D. Roof Drain
- F.O.R. Fuel Oil Return
- F.O.S. Fuel Oil Supply
- N.T. New Thermostat
- D/N. Day / Night
- W.C. Water Closet
- V.T.R. Vent thru Roof
- S. Sink
- S.S. Service Sink
- S.B. Service Basin
- D.S. Downspout
- M.H. Man Hole
- C.O. Clean Out
- AW ACID WASTE
- AWV ACID WASTE VENT
- Δ.F. ROOF DRAIN OVER FLOW
- T.C. Temperature Control Contractor
- S.D. Slot Diffuser
- C.D. Ceiling Diffuser OR CURB DRAIN
- S.G. S.R. Supply Grille or Register
- R.G. R.R. Return Grille or Register
- E.G. E.R. Exhaust Grille or Register
- R.G. Relief Grille
- A.H.U. Air Handling Unit
- C.H. Cabinet Heating
- C.V. Convactor
- U.H. Unit Heater
- E.F. Exhaust Fan
- C.E.F. Ceiling Exhaust Fan
- W.E.F. Wall Exhaust Fan
- G.R.V. Relief Vent (GRAVITY)
- P.R.E. Power Roof Exhauster
- Δ.A.I. Outside Air Intake
- F.C. Fan Coil Unit
- H.C.F.C. Heating / Cooling Fan Coil Unit
- H.C.U.V. Heating / Cooling Unit Ventilator
- Fin Tube Radiation (Type A, Element Length - 5 ft., Capacity - 3.75 MBH)
- Thermostatic Self Contained Valve
- Volume Damper (With Quadrant)
- Turning Vanes
- H.C.U.V. Ceiling Mount Heating / Cooling Unit Ventilator
- H.C.U.V. Wall Mount Heating / Cooling Unit Ventilator
- Radiant Ceiling Heating Panel

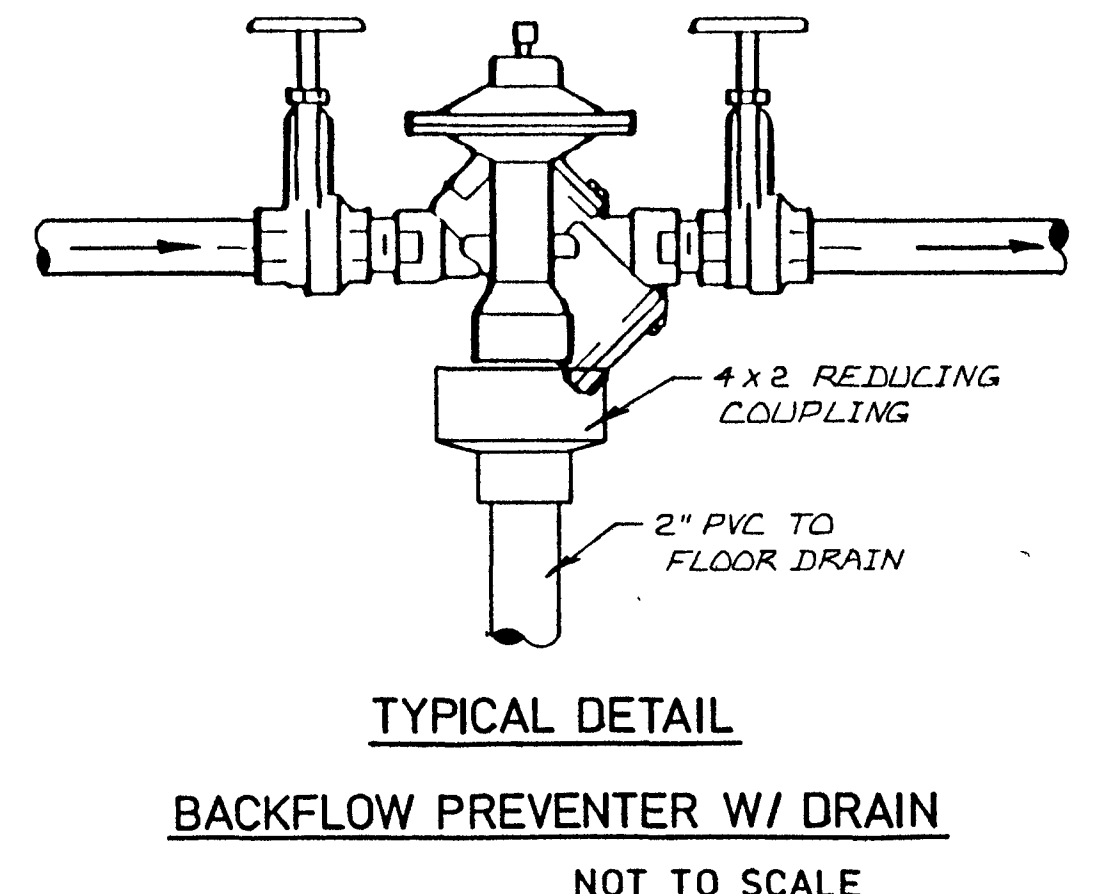
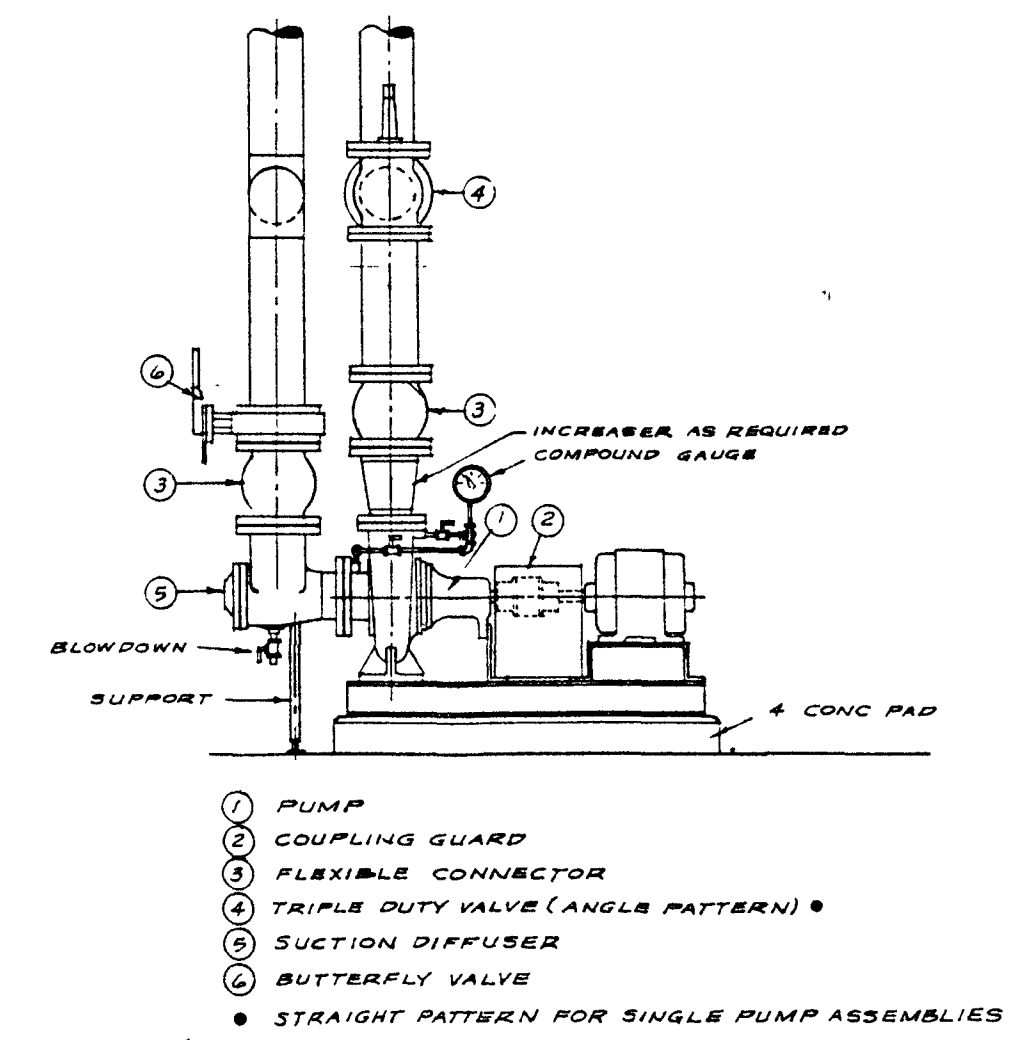
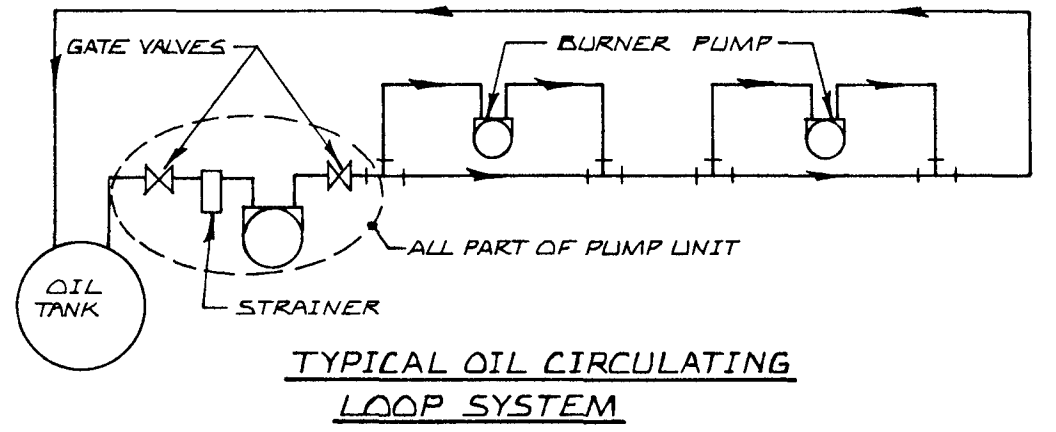
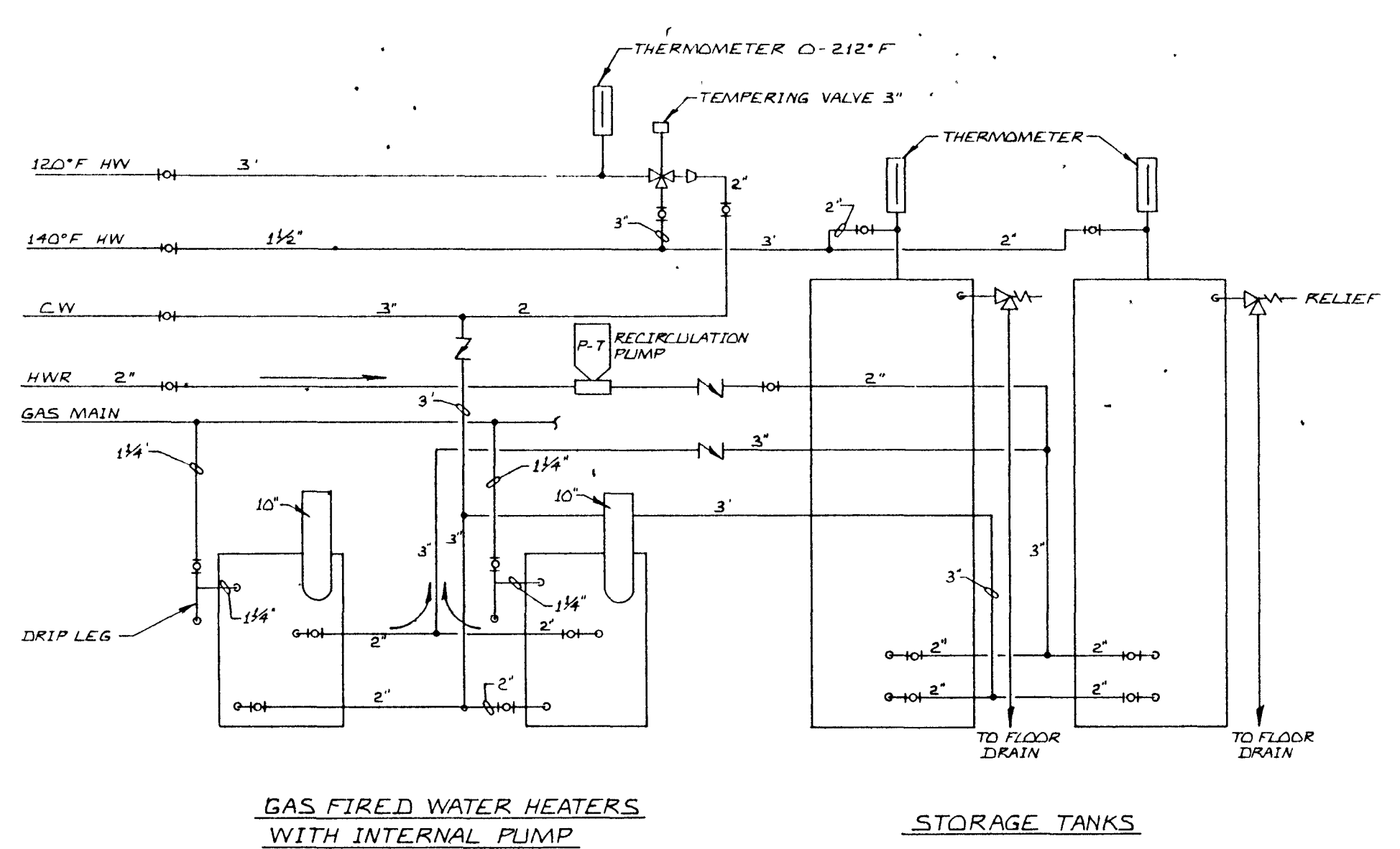
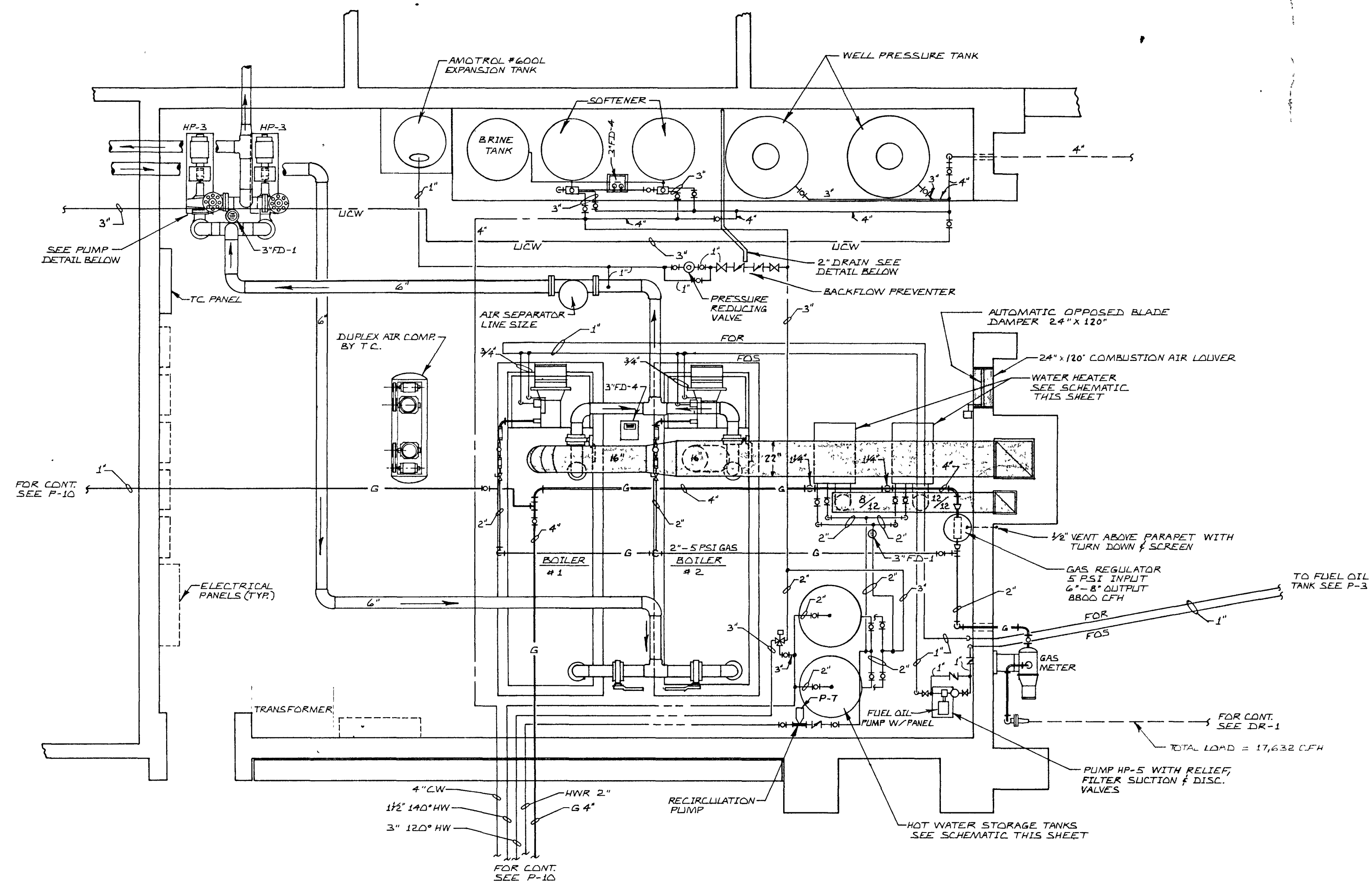
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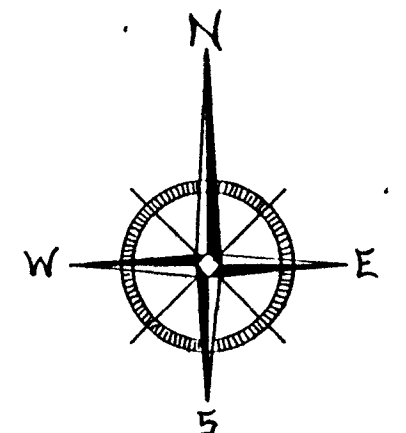
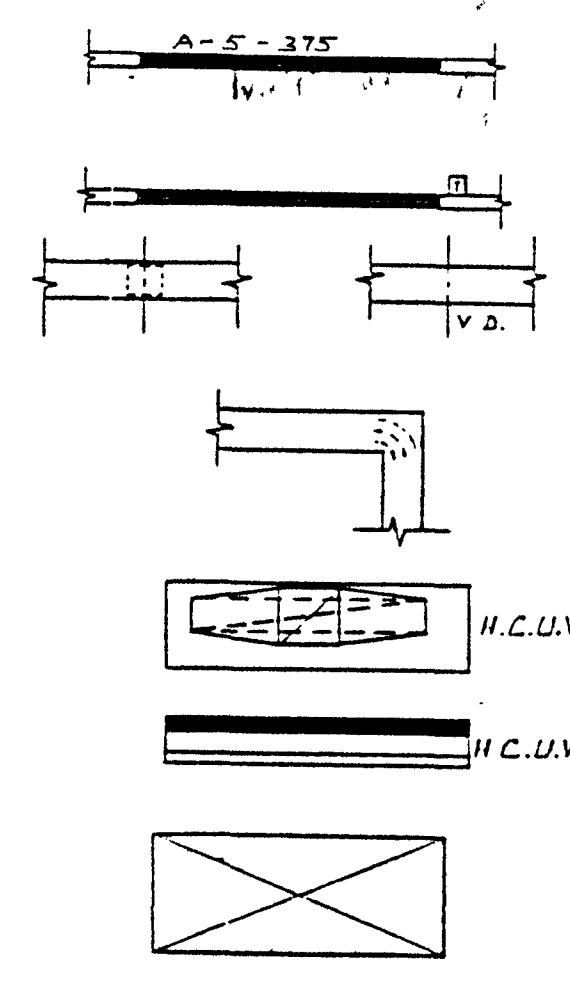
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MP3



HEATING PUMP SCHEDULE								
Designation and Service #	Make of Approved Equal	Model	Size Disc Suction Impeller	Capacity GPM	Head Ft. or Psi	Motor HP/RPM	Electrical Characteristics	Notes
HIP-1 Heating Pump Boiler #3	Bell & Gossett	1-1/2AB	1-1/2, 2", 5-1/2"	40GPM	35 ft.	1 HP	480/3/60	
HIP-2 G26 Heat Recovery Loop	Bell & Gossett	60-11	1-1/4 AA	30 GPM	20 FT.	1/3 HP 1750	120/1/60	
HIP-3 Heating Pumps C-8	Bell & Gossett	4E	4", 5" 9-1/2"	600GPM	70 ft.	15 HP	480/3/60	
HIP-4 Chilled Water C23	Bell & Gossett	4E	4", 5" 9-1/2"	600GPM	70 ft.	15 HP	480/3/60	
HIP-5 Fuel Oil C-8	Gordon-Platt	LS2D-240	1"x1"	4GPM	15 Psi	1/2HP	115/1/60	
HIP-6 Heat Recovery Loop E56	Bell & Gossett	60-11	1-1/4 AA	27GPM	20 FT.	1/3 HP 1750	120/1/60	

PLUMBING PUMP SCHEDULE								
Designation on Drawings & Service	Make or Approved Equal	Model	Size Disc Suction Impeller	Capacity GPM	Head Discharge Ft or Psi	Motor HP/RPM	Electrical Characteristics	Notes
P1-Pool Circulation	Aurora	342	4x5x11	933	97 ft	25 HP 1750RPM	480/3/60	
P2-Well Pump		Submer-sible		200	60 psi		480/3/60	BY OTHERS
P3-Hot Water Circulation C26	Bell & Gossett	311Series 1531	1-1/2"x 2"NPT	40	40 ft	1 HP 1750	480/3/60	
P4-Recirculation Pump C26	Bell & Gossett	Series 100	1", bronze body	10	7.5 ft	1/12	115/1/60	Oil Lubricated
P5-Circulation Pool to Pool Htr. C22	Bell & Gossett	Series 153	1-1/2"x 2"NPT	80	40 ft	1-1/2 1750	480/3/60	
P-6 Sump Pump C22	Hydromatic	OSP 33	2"disc	30	20 ft	1/3 HP 1750	115/1/60	Bronze
P-7 Recirculation C8 Boiler Room	Bell & Gossett	Series 2	2"NPT	30	9.5 ft	1/6HP	115/1/60	Oil Lubricated
P-8 Sump Pump Pool Footers	Hydromatic	SP50AH	2"NPT	30	37 ft	1/2 HP 3450	115/1/60	Cast Iron Body



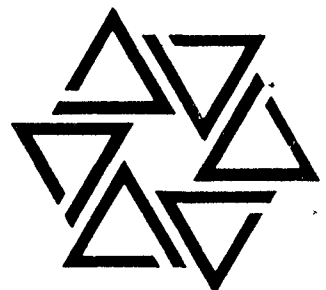
BOILER ROOM MECHANICAL/PLUMBING PLAN
SCALE 1/4" = 1'-0"

MECHANICAL/PLUMBING NOTES



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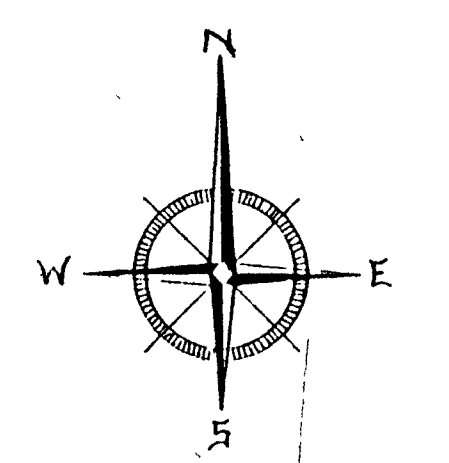
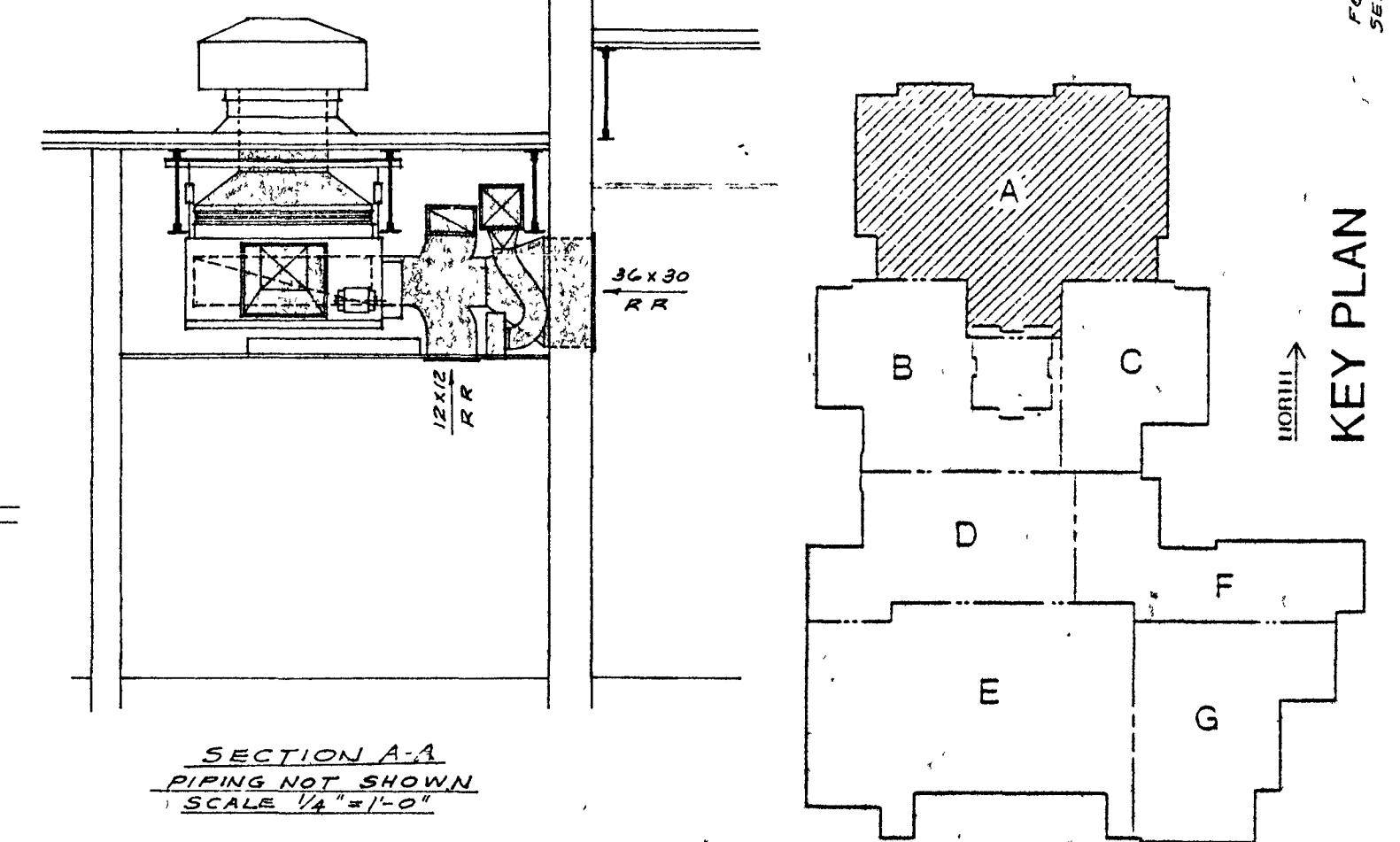
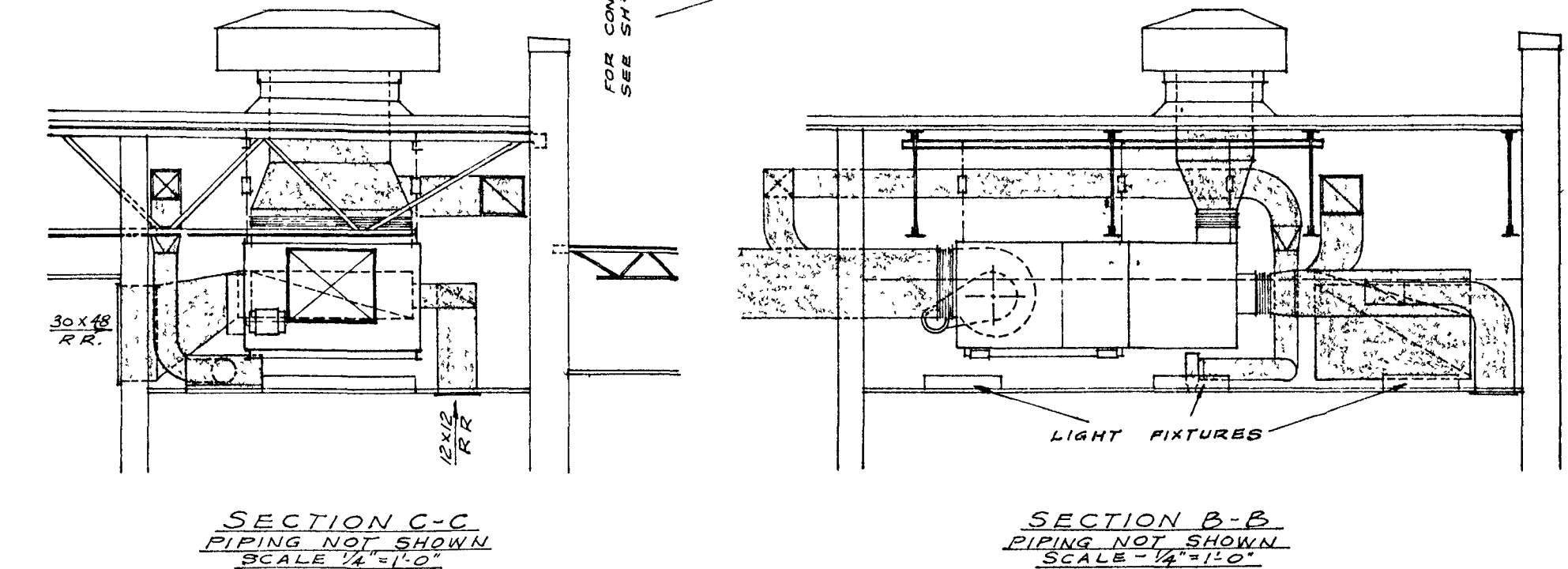
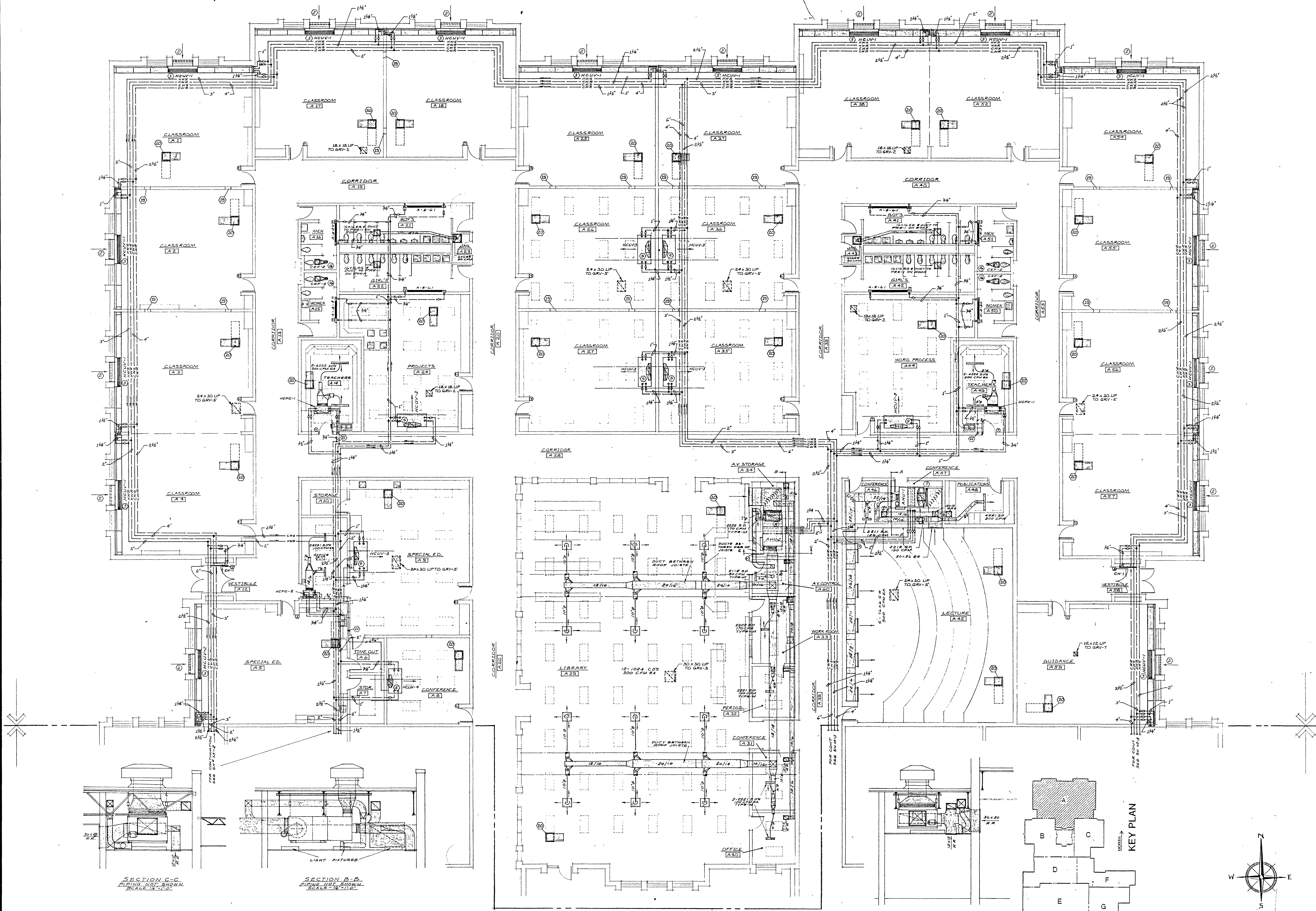
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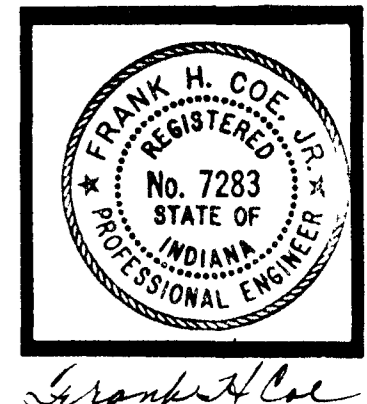
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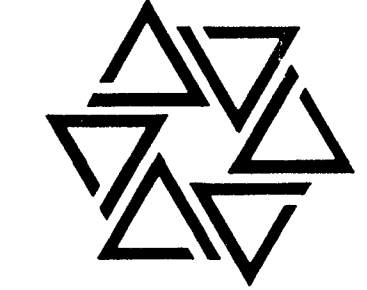
M1



UNIT 'A' MECHANICAL PLAN
SCALE 1/8" = 1'-0"



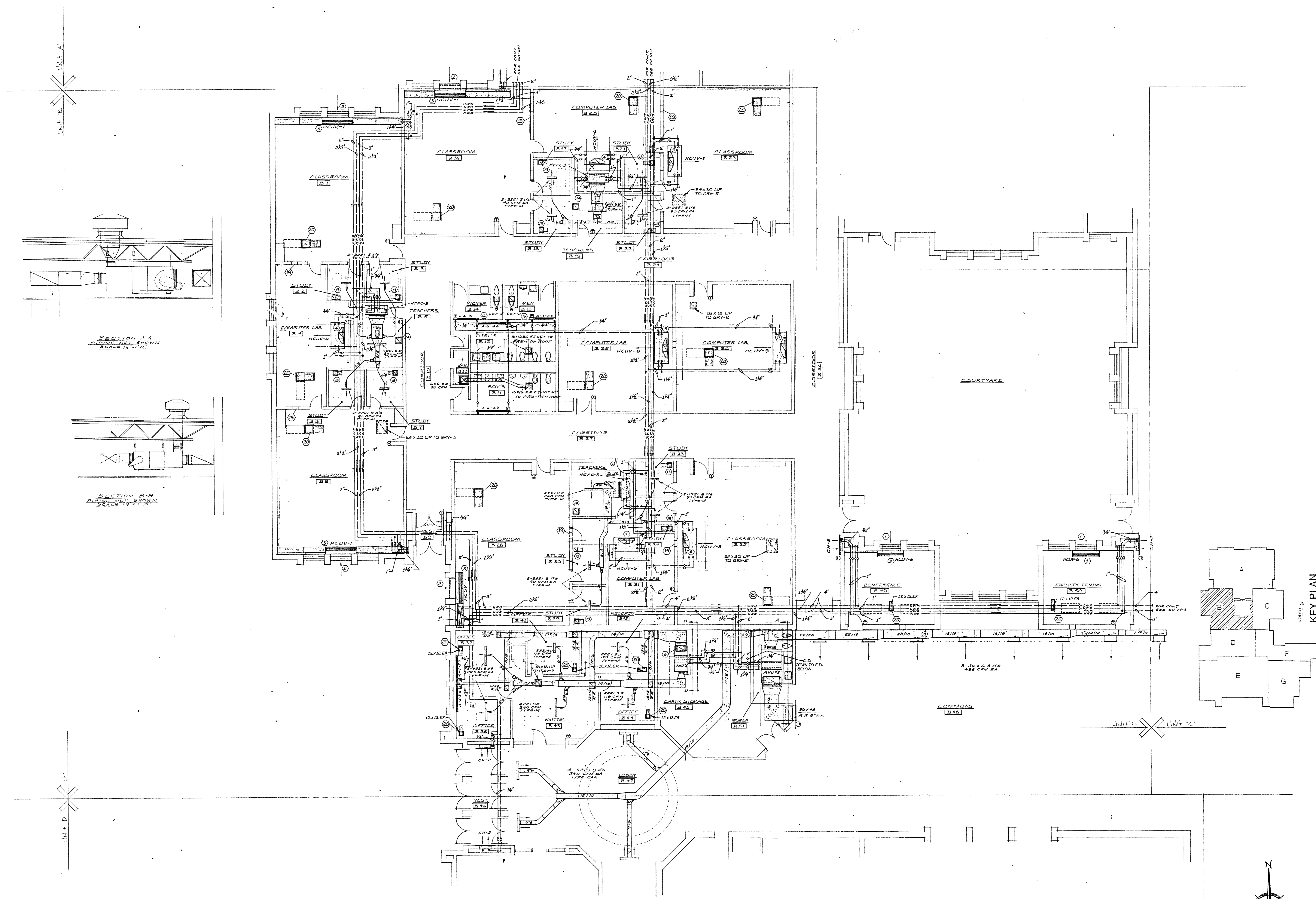
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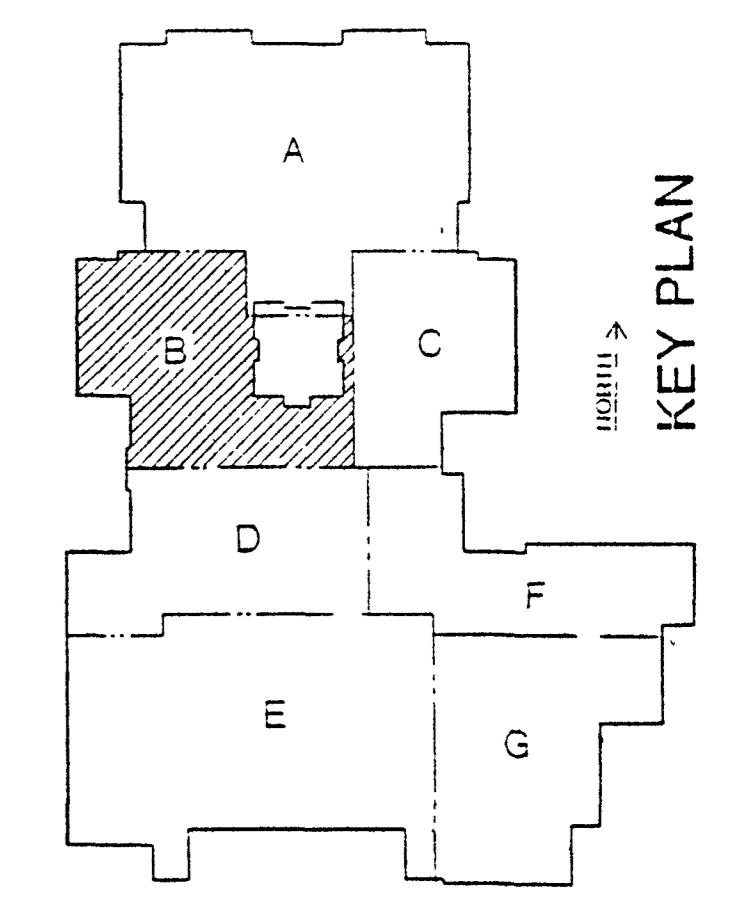
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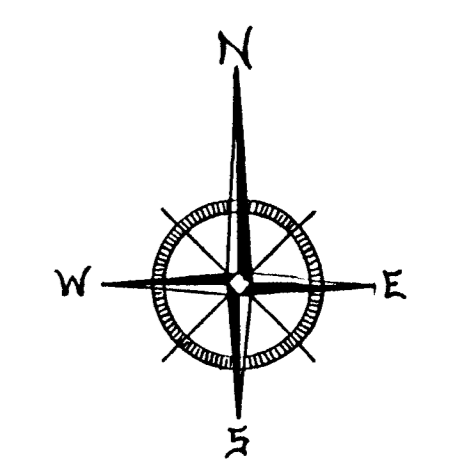


SECTION A-A
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"

SECTION B-B
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"



KEY PLAN

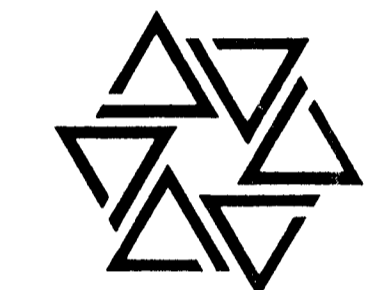


UNIT 'B' MECHANICAL PLAN
SCALE 1/8" = 1'-0"



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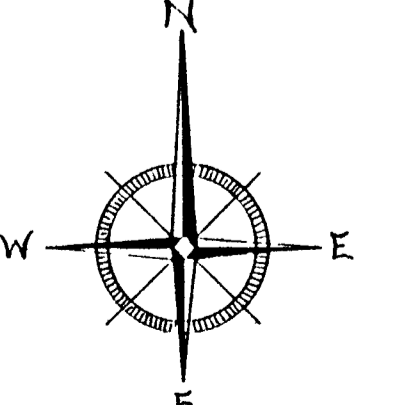
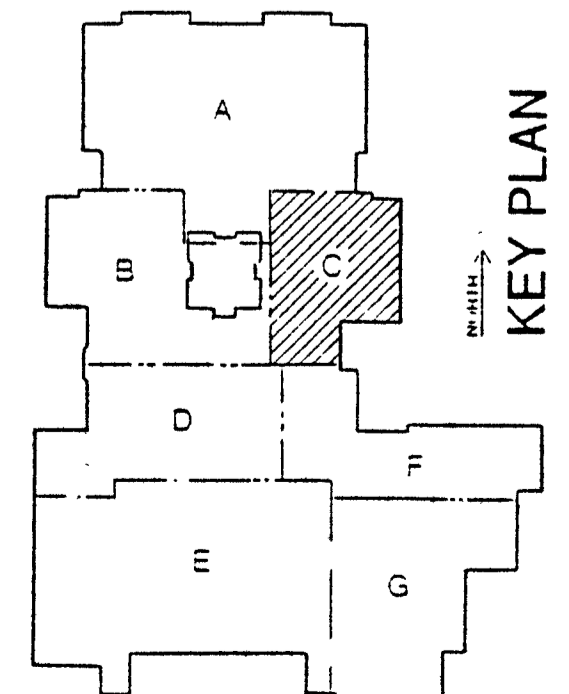
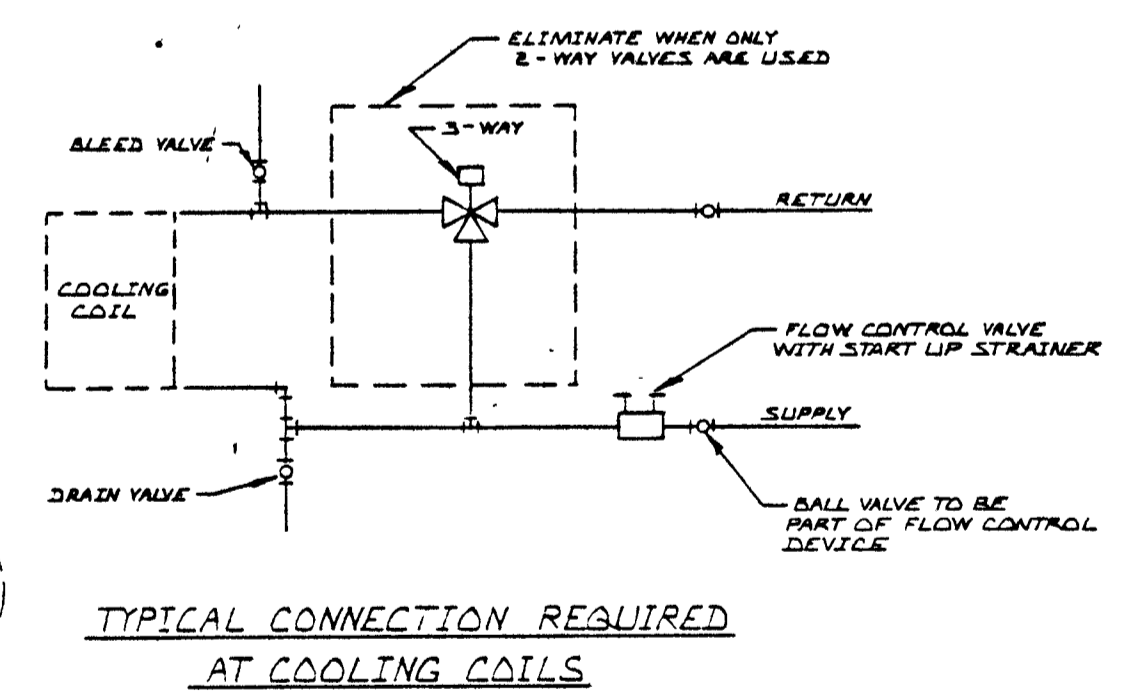
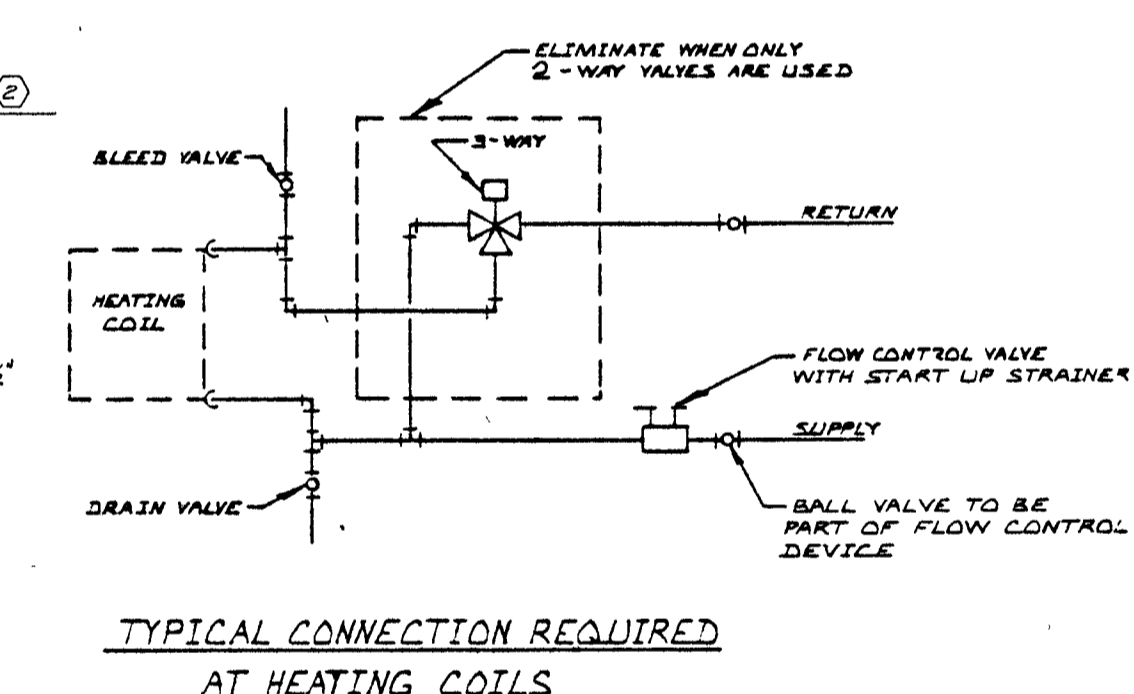
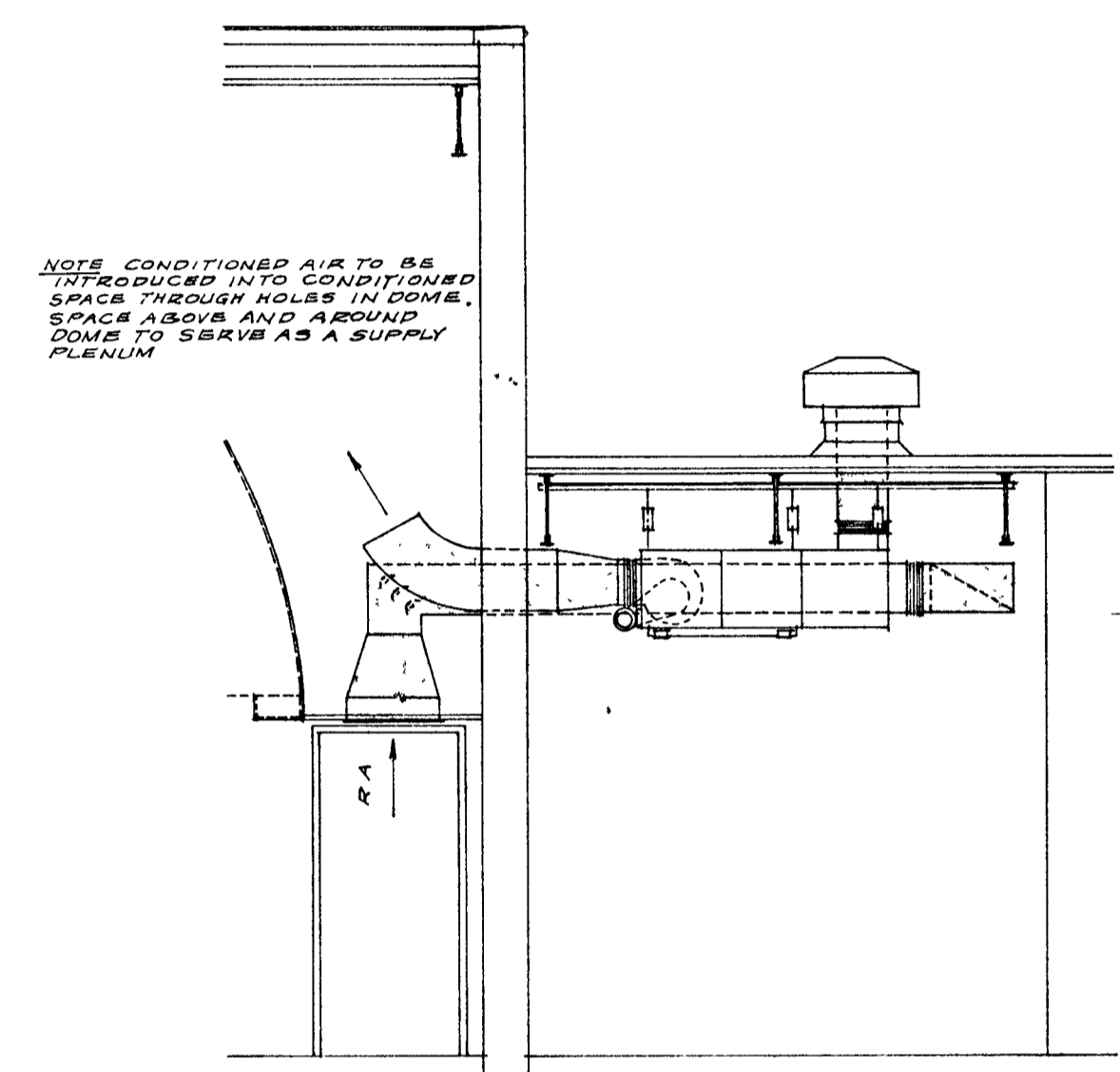
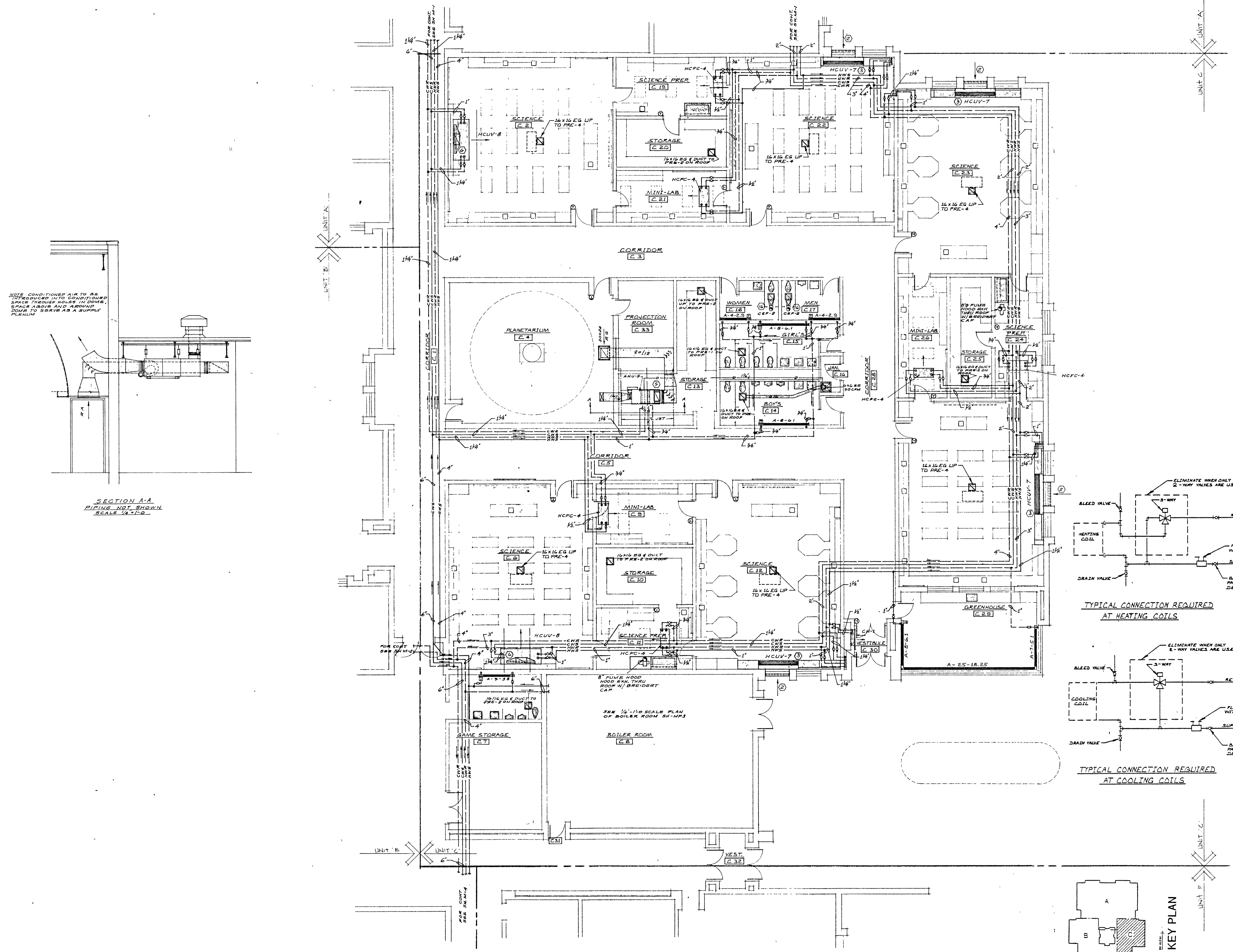
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M3

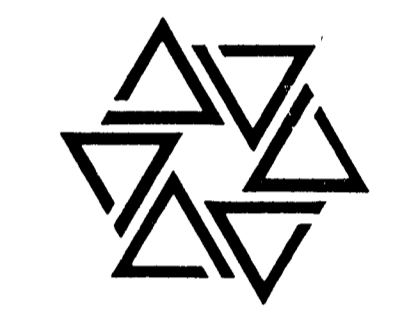


UNIT 'C' MECHANICAL PLAN
SCALE 1/8" = 1'-0"



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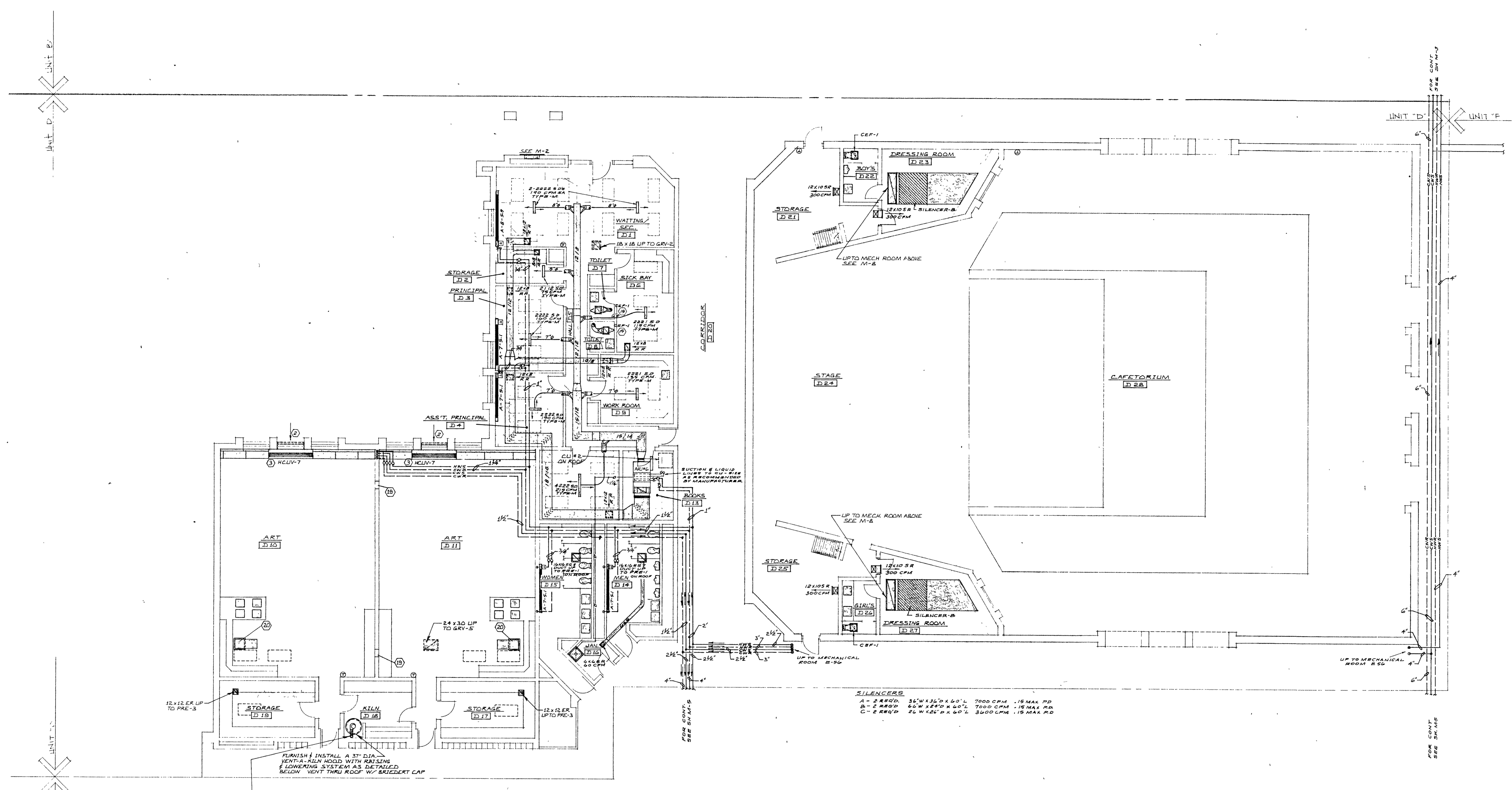
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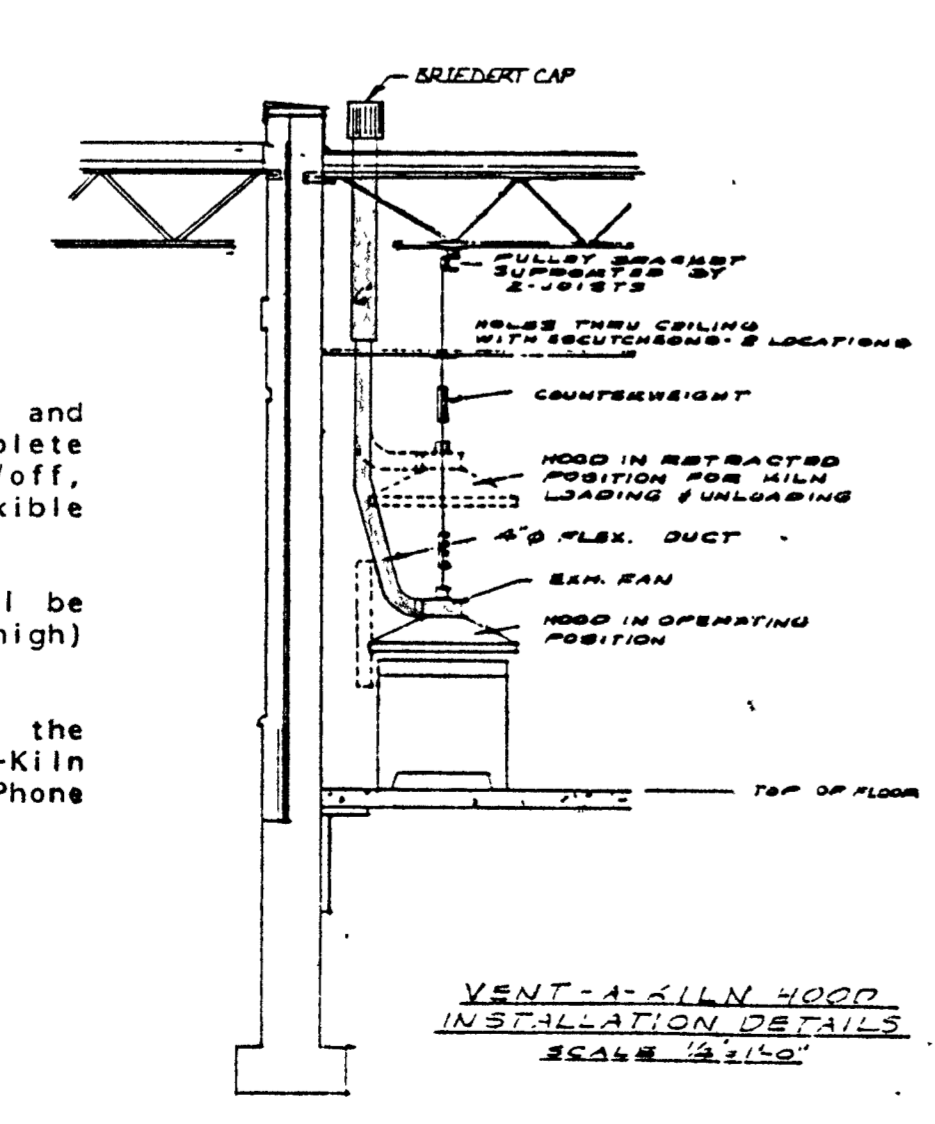
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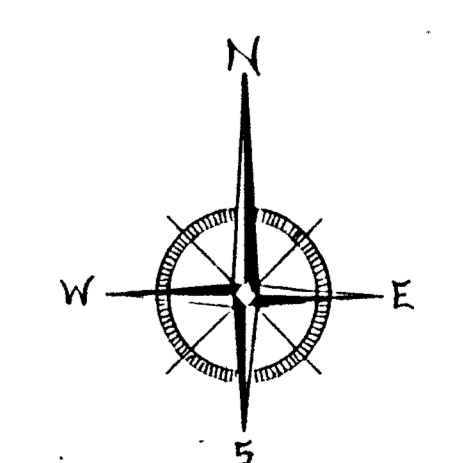
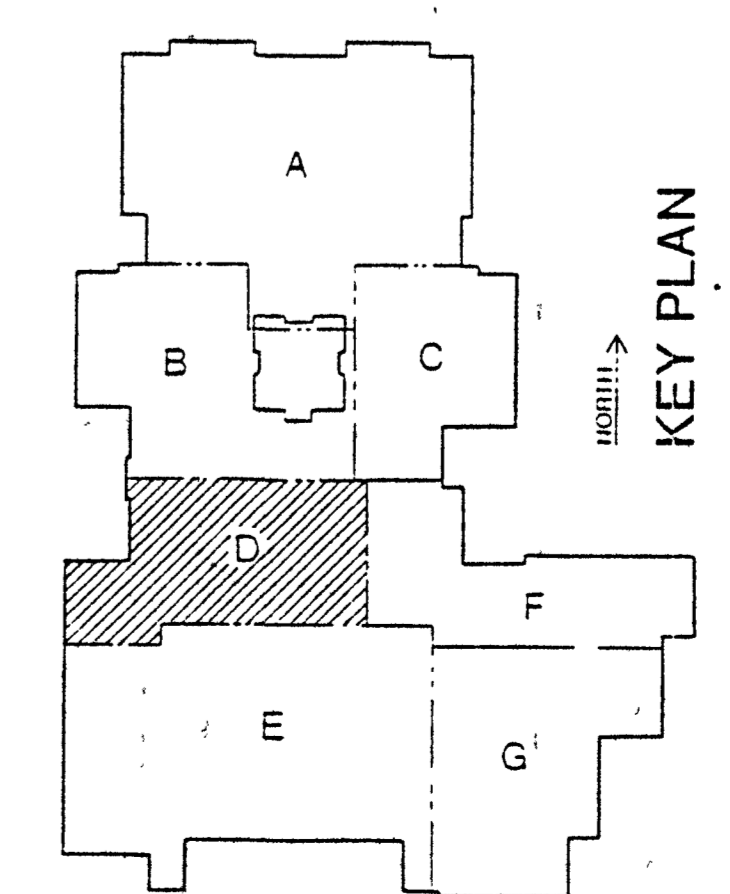
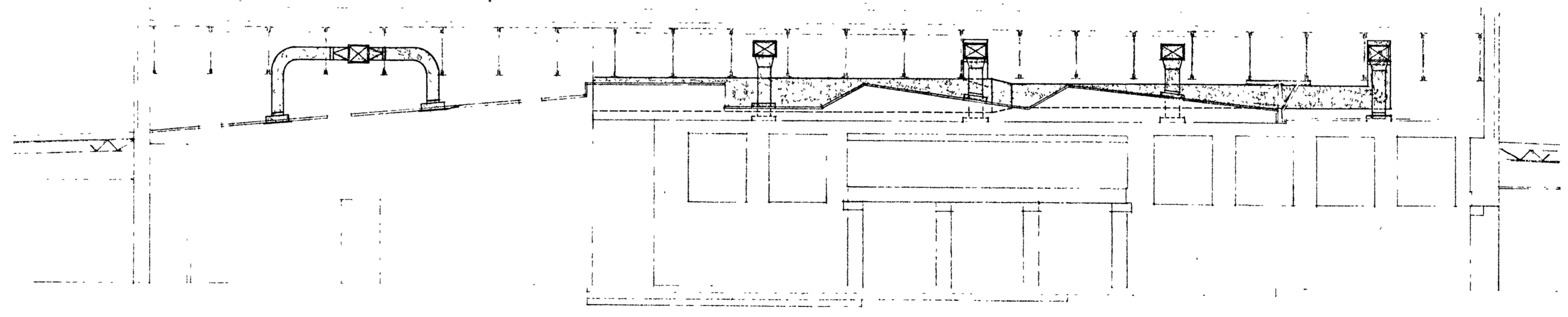
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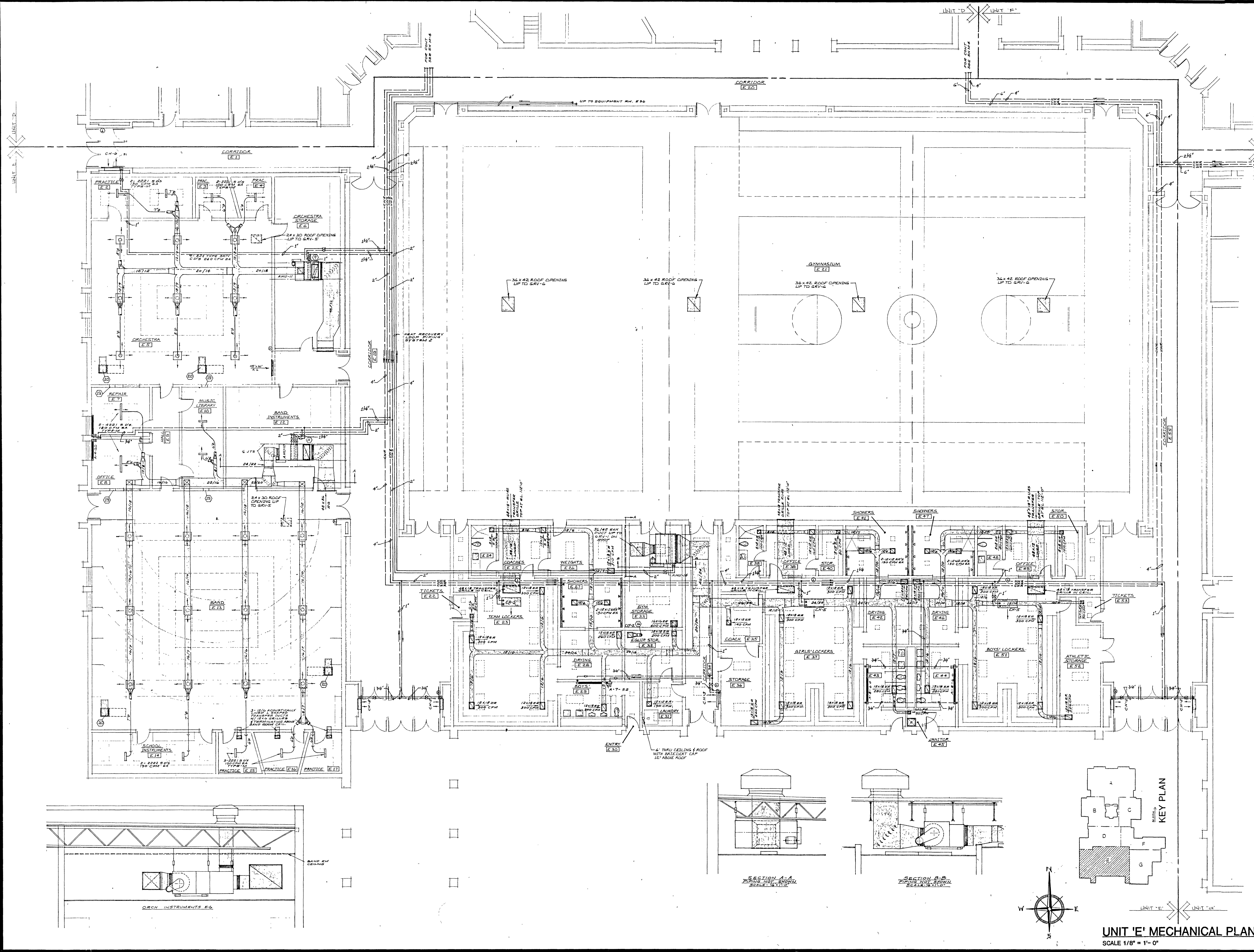
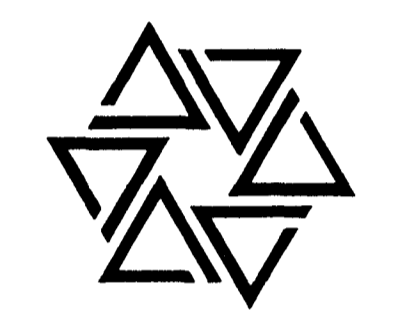
SILENCERS
A - 2' RFD 36" W x 24" H x 60" L 7000 CFM .15 MAX PD
B - 2' RFD 48" W x 24" H x 60" L 7000 CFM .15 MAX PD
C - 2' RFD 24" W x 24" H x 60" L 3000 CFM .15 MAX PD

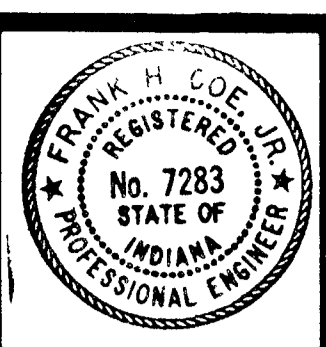


KILN HOOD
Furnish and install a "Vent-A-Kiln" hood in location shown and detailed on Sheet #M-4 of the drawings. Hood shall be complete with counterbalanced suspension system, fan and motor on/off, two-speed switch and plug, counterbalanced weight, 4" flexible hose, pulley bracket, etc.
Hood shall be spun aluminum and 37" diameter. Fan shall be direct drive with capacity to exhaust 200 cfm (low) or 265 (high) speeds.
Complete installation shall be as recommended by the manufacturer. System shall be as manufactured by Vent-A-Kiln Corporation, 621 Hertel Avenue, Buffalo, New York, 14207; Phone number (716) 876-2023.



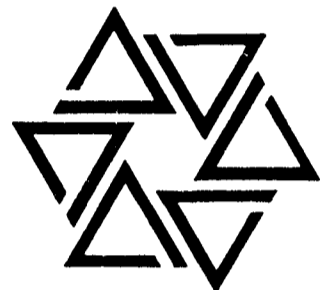
UNIT 'D' MECHANICAL PLAN
SCALE 1/8" = 1'-0"





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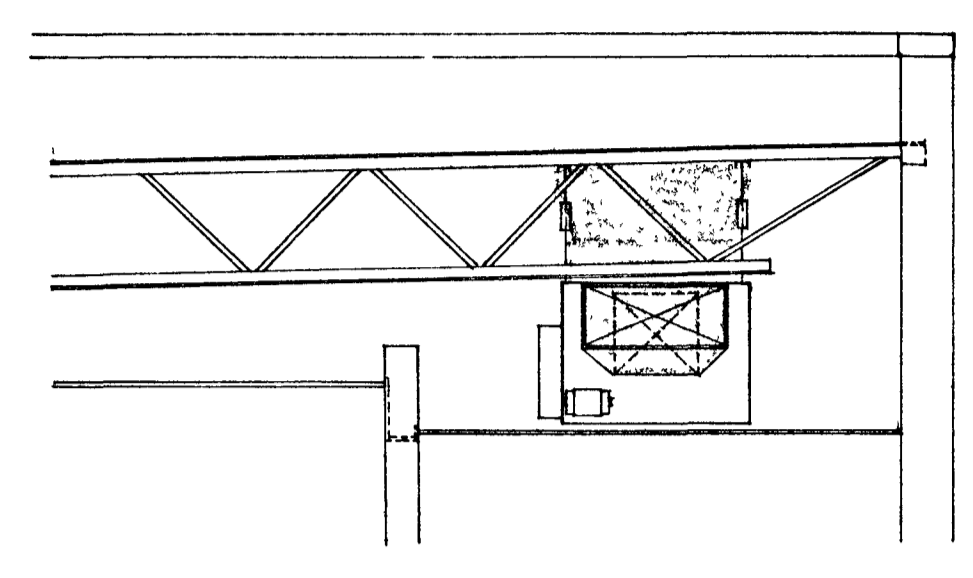
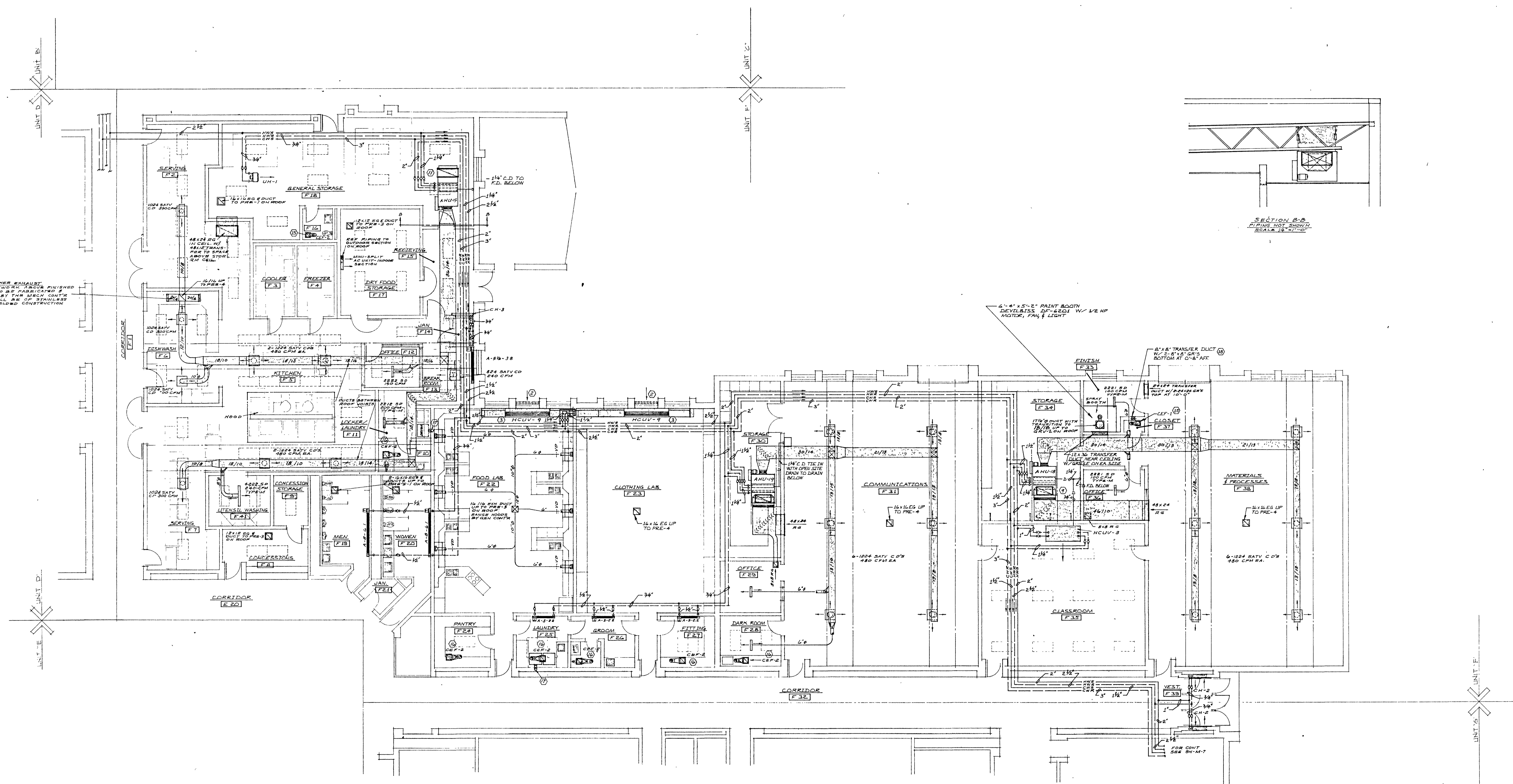
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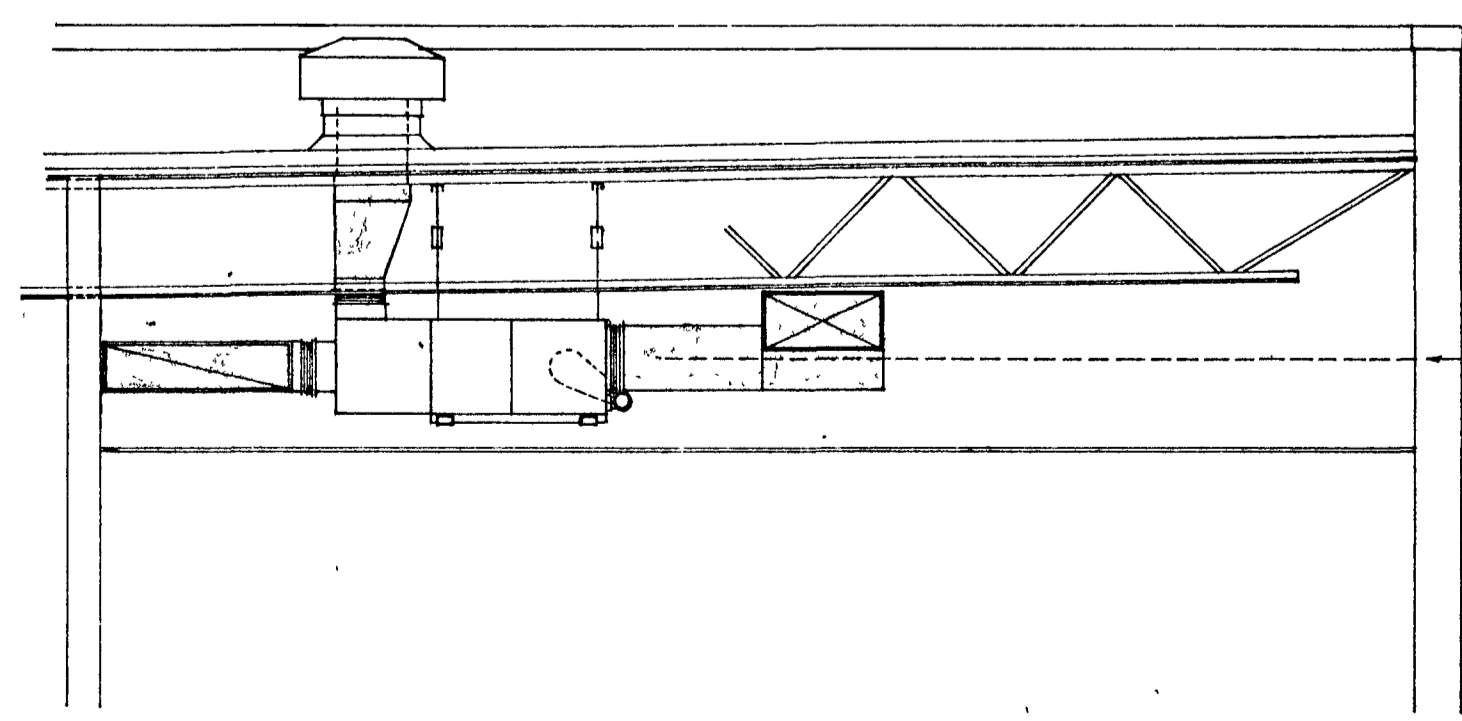
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M6

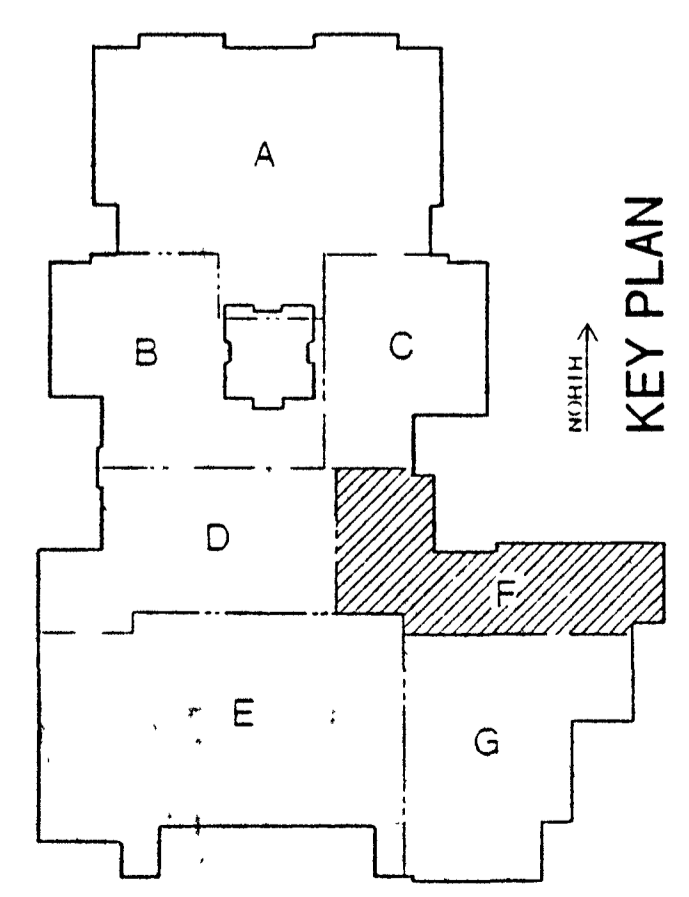


SECTION B-B
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"

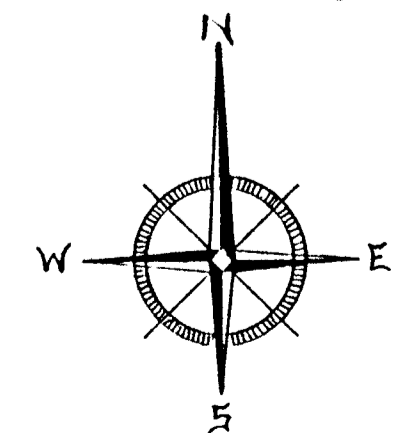
6'0" x 5'0" PAINT BOOTH
DEVILBESS, 1/2" x 2 1/2" W/ 1/2 HP
MOTOR, FAN & LIGHT



SECTION A-A
A.H.U. IN STORAGE RM. F-30 AND
SERVING COMMUNICATIONS
INSTALLATION SHALL BE SIMILAR
TO OTHERS SHOWN
SCALE 1/4" = 1'-0"



KEY PLAN

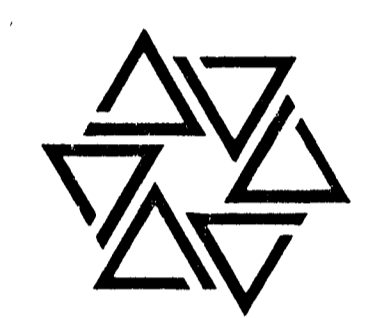


UNIT 'F' MECHANICAL PLAN
SCALE 1/8" = 1'-0"



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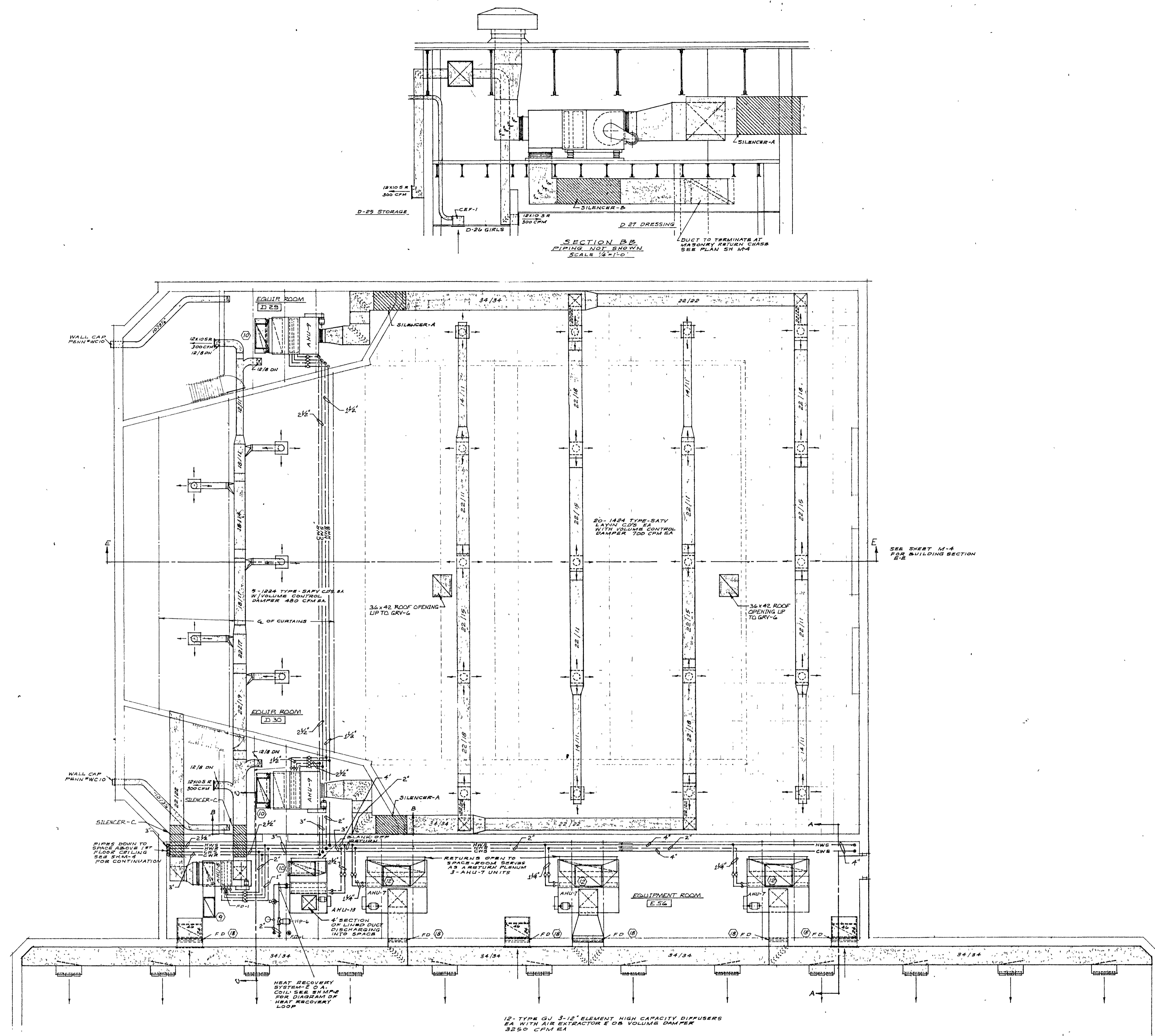
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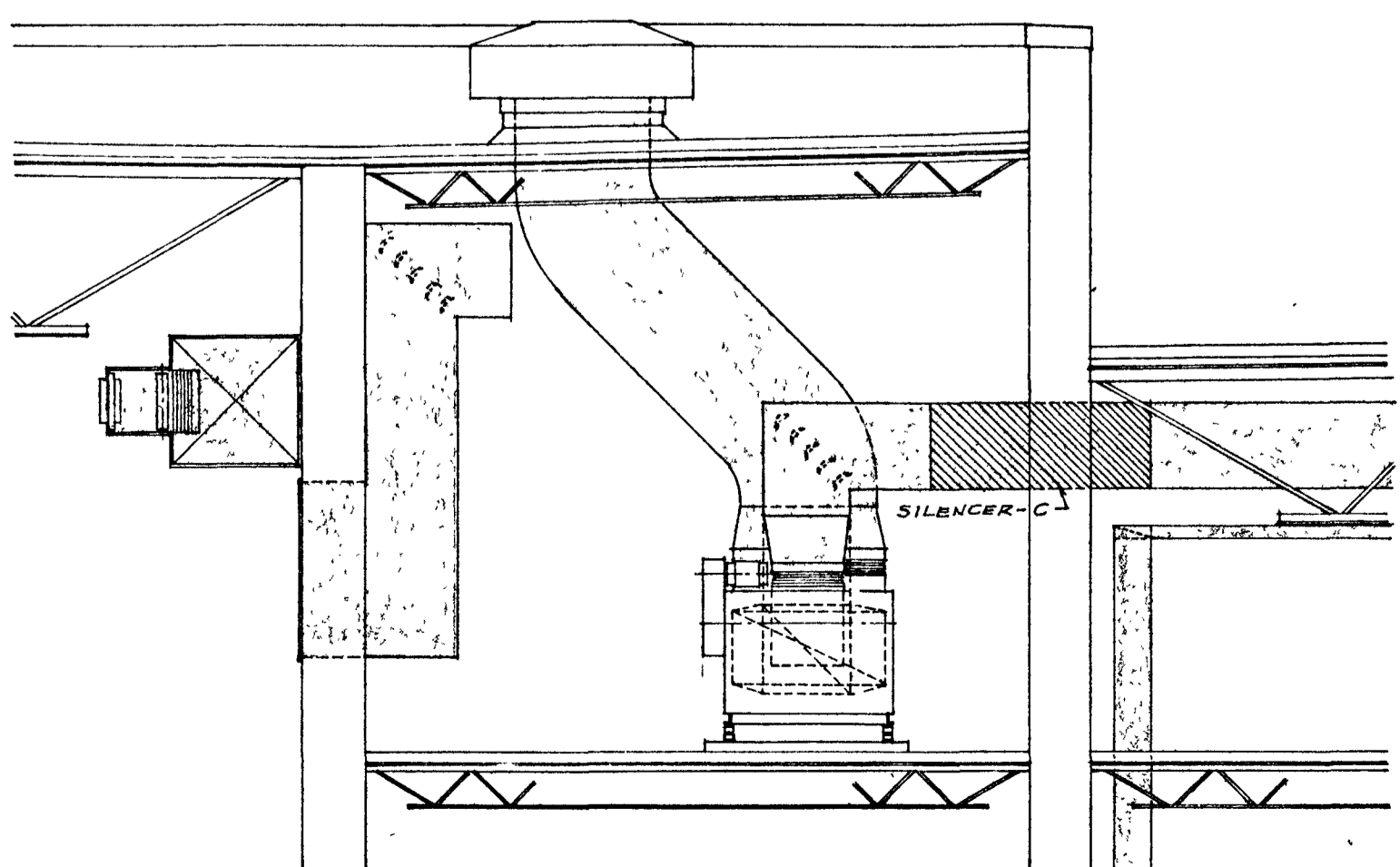
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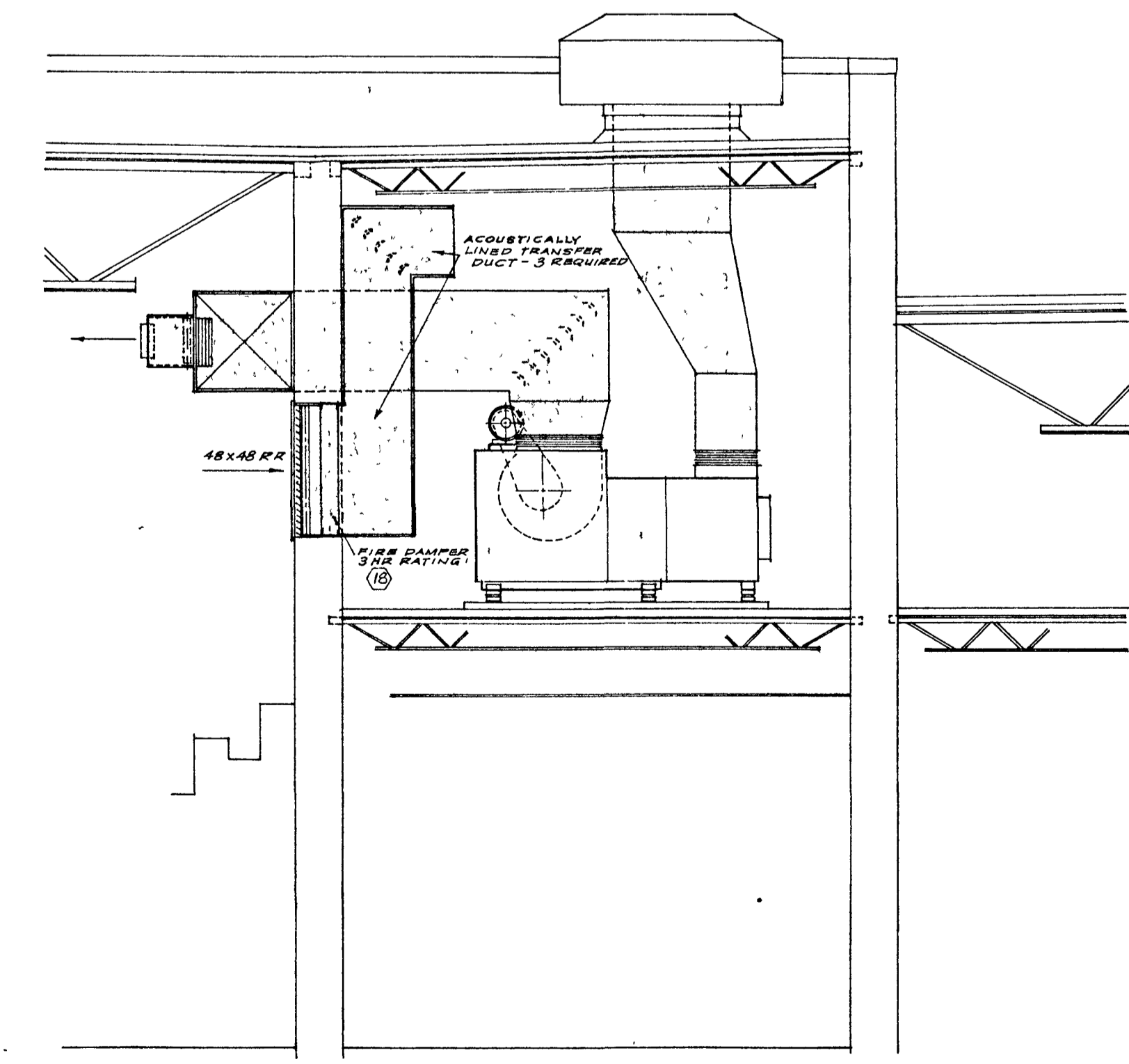
SECTION B-B
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"

12- TYPE GJ 3-12" ELEMENT HIGH CAPACITY DIFFUSERS
EA WITH AIR EXTRACTOR & OB. VOLUME DAMPER
3550 CFM EA

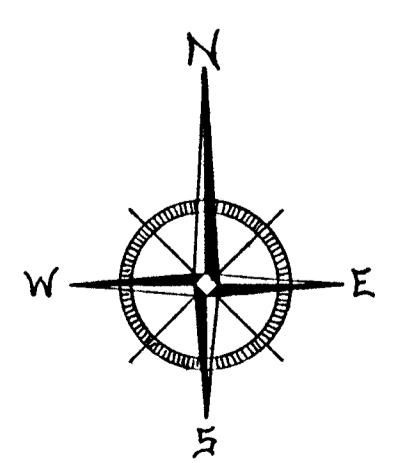
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G-21



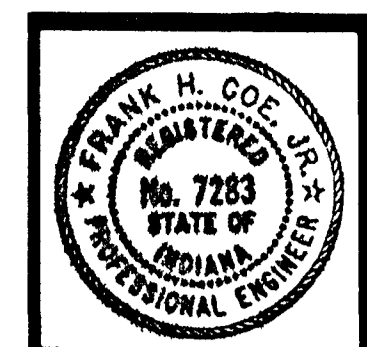
SECTION C-C
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"



SECTION A-A
PIPING NOT SHOWN
SCALE 1/4" = 1'-0"

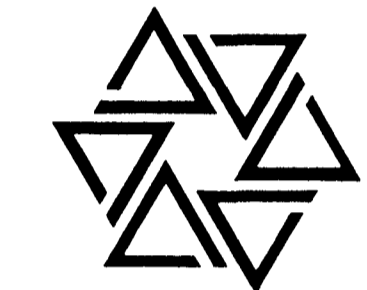


UNIT 'D' UPPER EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



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AIR HANDLING UNIT SCHEDULE

Designation on Drawings	Zone or Area Served	Manufacturer & Model Number	Location	FAN DATA				HEATING COIL				COOLING COIL				Filters & Accessories										
				CFM	S.P. H ₂ O	Total	HP	MBH	Face Area	Face Area	Face Area	Face Area	MBH	Face Area	Face Area		Face Area									
AHU-1	Lecture Room A-45	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Conference Room A-47	3550	.45	1.30	966	1.1	305	70.5	5.67	.07	43.3	91.4	9.1	-1	101.0	142.0	9.4/49	6	82.3	82.3	16.3	.8	Comb. Filter mixing box 1-1/2" FC fan 11.00sq. ft. See Note 2	
AHU-2	Library A-29	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	A.V. Storage Room A-34	4360	.50	1.34	675	1.1	17.38	136.4	9.47	.08	86.4	91.4	9.1	-1	104.4	169.0	9.4/47	6	82.3	82.3	16.3	.8	Comb. Filter mixing box 1-1/2" FC fan 16.89sq. ft. See Note 2	
AHU-3	Commons & Lobby B-47	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Storage Room B-45	4560	.45	1.53	745	1.4	258	136.0	9.47	.08	78.4	91.4	9.1	-1	104.4	169.0	9.4/47	6	82.3	82.3	16.3	.8	Comb. Filter mixing box 1-1/2" FC fan 11.00sq. ft. See Note 2	
AHU-4	Guidance Area	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Above Women B-51	1000	.42	1.08	1229	1.3	108	30.4	3.07	.04	91.5	91.5	9.1	-1	24.5	35.1	3.07/35	4	79.2	82.3	5.4	.1	Comb. Filter mixing box 1-1/2" FC fan 11.00sq. ft. See Note 2	
AHU-5	Plantarum C-4	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Storage Room C-13	1300	.30	.90	1187	1.4	208	35.4	3.07	.05	80.4	91.5	9.1	-1	26.0	45.0	3.07/40	6	82.3	82.3	7.5	.7	Comb. Filter mixing box 1-1/2" FC fan 5.94sq. ft. See Note 2	
AHU-6	Admin. Off. Area	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Book Room D-13	1230	.58	1.19	1297	1.4	158	44.8	3.07	.07	80.4	91.5	9.1	-1	32.2	40.4	3.07/31	4	86.5	86.5	8.5	.5	Comb. Filter mixing box 1-1/2" FC fan 11.00sq. ft. See Note 2	
AHU-7	Gymnasium Three (3) Required	Trane F8A draw thru horizontal climate chgr (Floor Mounted)	Equipment Rm E-36	13,000	.80	1.80	580	6.2	88	207.2	26.11	.08	82.7	78.0	7.8	.3	---	---	---	---	---	---	---	---	---	Comb. Filter mixing box 1-1/2" FC fan 37.50sq. ft. See Note 2
AHU-8	Stage Area	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Floor Mounted)	Equipment Rm E-36	3600	.68	1.83	920	1.9	128	71.4	7.57	.06	80.5	82.2	8.1	-0	81.4	110.8	7.57/---	6	80.5	82.2	18.5	1.4	Comb. Filter mixing box 1-1/2" FC fan 20.25sq. ft. See Note 2	
AHU-9	Catered Tea (2) Required	Trane F8A draw thru horizontal climate chgr D-29 & D-30 (Floor Mounted) except opposite hand on coil & drive connection (Floor Mounted)	Equipment Rm E-36 & D-30	7000	.65	1.95	765	3.4	234	200.0	13.87	.08	81.1	84.8	13.3	-2	167.0	245.0	13.87/46	6	81.6	82.1	42.8	4.7	Comb. Filter mixing box 1-1/2" FC fan 22.44sq. ft. See Note 2	
AHU-10	Band Room E-13	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Band Instrument Rm E-12	4200	.70	2.14	971	2.5	17.58	145.0	7.57	.12	81.1	97.4	9.7	-2	92.0	146.0	7.57/41	6	81.1	86.8	23.3	1.3	Comb. Filter mixing box 1-1/2" FC fan 13.89sq. ft. See Note 2	
AHU-11	Orchestra Room E-5	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Orchestra Instruments E-4	2820	.56	1.10	869	1.8	18.36	75.0	5.67	.07	80.4	91.5	9.4	-2	57.0	82.9	5.67/36	4	80.4	82.2	13.8	1.0	Comb. Filter mixing box 1-1/2" FC fan 11.00sq. ft. See Note 2	
AHU-12	Pool Room C-25	Trane F80F draw thru horizontal climate chgr 1-1/2" FC fan (Floor Mounted)	Equipment Rm C-25A	22600	.65	2.47	867	12.1	11.38	319.3	48.51	.12	83.4	82.4	23.7	-3	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	See Detail Spec. Furnished by Trane	
AHU-13	Gymnasium A.V. heat-up unit w/ heat recovery coil	Trane F18A draw thru horizontal climate chgr 1-1/2" FC fan (Floor Mounted)	Equipment Rm E-36	7000	.38	2.03	730	3.4	1008	358.7	10.77	.18	83.7	83.7	27.8	0	83.7	70.9	10.77/36	6	83.7	83.7	27.8	3.8	Comb. Filter mixing box 1-1/2" FC fan 22.44sq. ft. See Note 2	
AHU-14	Gymnasium Locker Area Exh. heat recovery coil	Trane F17A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Cym Storage E-33	8835	.48	3.42	875	4.1	358	16.97	24	1.09	83.7	83.7	27.8	0	83.7	70.9	16.97/36	6	83.7	83.7	27.8	4.4	Comb. Filter mixing box 1-1/2" FC fan 22.44sq. ft. See Note 2	
AHU-15	Kitchen Area	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan	General Storage Room F-18	6000	.60	1.42	799	1.4	31.08	99.8	7.57	.09	83.7	83.0	8.0	-8	86.0	120.0	7.57/31	6	28.2	82.1	29	1.0	Comb. Filter mixing box 1-1/2" FC fan 13.89sq. ft. See Note 2	
AHU-16	Pool Locker Area O.A. heat-up unit w/ heat recovery coil	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan heat recovery coil (Floor Mounted)	Mechanical Rm C-26	3800	.68	1.78	888	1.8	2008	124.8	7.57/36	10.77	83.7	83.7	27.8	0	83.7	70.9	7.57/36	6	83.7	83.7	27.8	3.8	Comb. Filter mixing box 1-1/2" FC fan 22.44sq. ft. See Note 2	
AHU-17	Pool Locker Area Exh. heat recovery coil	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan heat recovery coil (Floor Mounted)	Mechanical Rm C-26	3950	.50	1.30	755	1.9	179.8	179.8	2.57	.72	83.7	83.7	27.8	0	83.7	70.9	2.57/36	6	83.7	83.7	27.8	1.9	Comb. Filter mixing box 1-1/2" FC fan 22.44sq. ft. See Note 2	
AHU-18	Materials/Process F-38 & F-39	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Storage Room F-38	3000	.44	1.21	732	1.0	258	101.0	7.57	.06	81.7	91.5	9.1	-1	78.4	108.4	7.57/32	6	82.3	82.3	18.1	.8	Comb. Filter mixing box 1-1/2" FC fan 13.89sq. ft. See Note 2	
AHU-19	Communc. F-21 & Related Rm F-28 & F-29	Trane F8A draw thru horizontal climate chgr 1-1/2" FC fan (Suspended)	Storage Room F-30	3500	.44	1.21	732	1.0	258	88.5	7.57	.06	81.7	91.5	9.1	-0	78.4	108.4	7.57/32	6	82.3	82.3	18.1	.8	Comb. Filter mixing box 1-1/2" FC fan 13.89sq. ft. See Note 2	

NOTES:
1. Zero percent on occupied cycle up to 100% for cooling by O.A.
2. All filters shall be replaceable fiberglass media with permanent frames. All units shall have one extra set of media.

UNIT VENTILATOR & FAN COIL UNIT SCHEDULE

Designation on Drawings	Trane Model No.	NOM CFM @ OA	HEATING CAP.		COOLING CAP.		COILS		Filters & Accessories
			MBH	GPM	Total MBH	GPM	Heat	Heat	
HCUV-1	TUVA-10V	1000 15%	32.0	3.2	31.1	6	D-1	2.5	Note #1
HCUV-2	TUVA-10V	1000 15%	32.0	3.2	34.5	6	D1	2.5	Note #1
HCUV-3	TUVA-10H	1000 15%	30.0	3.0	31.1	6	D-1	2.5	Note #1
HCUV-4	TUVA-07H	750 15%	15.0	1.5	23.7	4.5	D-1	.5	Note #1
HCUV-5	TUVA-10H	1000 15%	20.0	2.0	34.5	6	D-1	1.3	Note #1
HCUV-6	TUVA-07H	750 10%	20.0	2.0	23.7	4.5	D-1	1.0	Note #1
HCUV-7	TUVA-12V	1200 15%	48.0	4.8	35.7	6	D-1	6.7	Note #1
HCUV-8	TUVA-12H	1200 15%	30.0	3.0	35.7	6	D-1	3.0	Note #1
HCUV-9	TUVA-15V	1500 10%	45.0	3.0	51.3	10	D-1	8.0	Note #1
HCFC-1	E36AL04	----	7.5	.5	10.1	2.0	AL	.5	Note #1
HCFC-2	E36AL02	----	3.5	.5	5.0	1.0	AL	.5	Note #1
HCFC-3	E36AL06	----	10.0	1.0	14.5	3.0	AL	1.5	Note #1
HCFC-4	D16AL04	----	10.0	1.0	10.1	2.0	AL	1.5	Note #1

NOTES:
1. ALL FILTERS SHALL BE REPLACEABLE FIBERGLASS FILTER MEDIA WITH PERMANENT FRAMES. ALL UNITS SHALL HAVE ONE EXTRA SET OF MEDIA.
2. RATINGS BASED ON 180°F WATER ENTERING COILS.

NOTE: Ratings based on 60° entering air and 180° entering water temperature.

UNIT HEATER & CABINET HEATER SCHEDULE

Designation on Drawings	Trane Model Number	Nominal CFM	CAPACITY		Cabinet Style & Mounting	Panel Depth	Motor
			MBH	GPM			
CH-1	D46A003	300	24.1	1.5	Wall-recessed 4-side overlap	5/8"	115/60/1 1/30 HP
CH-2	H46A004	400	31.7	2.0	Wall-recessed 4-side overlap	5/8"	115/60/1 1/30 HP
CH-3	H46A004	400	31.7	2.0	Wall-semirecessed 4-side overlap	4-3/4"	115/60/1 1/30 HP
CH-4	D16A004	400	31.7	2.0	Horizontal Ceiling Susp.-Surface Mounted	-----	115/60/1 1/30 HP
CH-5	D16A006	600	47.1	3.0	Horizontal Ceiling Susp.-Surface Mounted	-----	115/60/1 1/20 HP
CH-6	H46A006	600	47.1	3.0	Wall-recessed 4-side overlap	-----	115/60/1 1/20 HP
UH-1	60-S	815	27.4	2.8	Horizontal with Adjustment louvers	-----	115/60/1 1/20 HP
UH-2	90-S	1214	45.3	4.6	Horizontal with Adjustment louvers	-----	115/60/1 1/8 HP

FIN TUBE SCHEDULE

Designation on Drawings	Trane Enclosure Style	Enclosure Size - Height and Depth	ELEMENT				BTU/Hr Per Lin. Ft.
			No. Rows	Tube	Fins	Fin Type	
A	18TA	18" x 4"	1	1"	2"x 3-1/4"	AL	730

NOTE: Ratings based on 170° average water temperature.

HEATING, VENTILATING & AIR CONDITIONING NOTES

- 42-1/2" x 10-3/8" O.A. louver with flush grille.
- 54-1/8" x 10-3/8" O.A. louver with flush grille.
- Route 3/4" condensate drain line to outside of building with elbow turned down.
- 12" x 12" O.A. duct up to O.A.I. - 1 on roof.
- 12" x 18" O.A. duct up to O.A.I. - 2 on roof.
- 12" x 24" O.A. duct up to O.A.I. - 3 on roof.
- 24" x 24" O.A. duct up to O.A.I. - 4 on roof.
- 24" x 36" O.A. duct up to O.A.I. - 5 on roof.
- 18" x 36" O.A. duct up to O.A.I. - 6 on roof.
- 24" x 36" O.A. duct up to O.A.I. - 7 on roof.
- 18" x 48" O.A. duct up to O.A.I. - 8 on roof.
- 36" x 48" O.A. duct up to O.A.I. - 9 on roof.
- 8 x 8 return grille with lined elbowed transfer duct.
- 16 x 16 in ceiling.
- 10 x 3-1/4 exhaust duct with transition to 6" diameter thru roof with Breidert top.
- 10 x 3-1/4 exhaust duct with transition to 8" diameter thru roof with Breidert top.
- 4" diameter dryer vent thru roof with Breidert top.
- Furnish and install 3 hour rated fire damper in duct conveniently located across door to fusible link.
- Minimum of 8" x 12" opening from room to room above suspended ceiling.
- Acoustically lined return air transfer elbow suspended from roof structure with 24" x 24", except as shown otherwise, ceiling return grille for sound attenuation.
- Route 3/4" condensate drain down wall to under counter area; provide trapped open site drain under counter to sanitary sewer.

POWER ROOF EXHAUSTER & EXHAUST FAN SCHEDULE

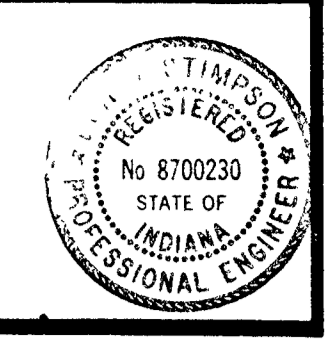
Designation on Drawings	Penn Model No.	CFM	Tip Speed Ft/Min	S.P. H ₂ O	RPM	Motor HP	Elec. Charac.	Control	Remarks
PRE-1	AB35	600	2815	.25	797	1/6	115/1/60	TC(PE)	V-Belt Drive
PRE-2	AB35	300	2541	.25	720	1/6	115/1/60	TC(PE)	V-Belt Drive
PRE-3	AB35	220	2475	.25	700	1/6	115/1/60	ManWall Switch	V-Belt Drive
PRE-4	AB35	500	2690	.25	762	1/6	115/1/60	ManWall Switch	V-Belt Drive
CEF-1	ZT	85	-----	.25	1100	-----	115/1/60	ManWall Switch	6"dia. duct thru roof w/Breidert top
CEF-2	Z8	165	-----	.25	1050	105 watts	115/1/60	ManWall Switch	8"dia. duct thru roof w/Breidert top
IEF-1	SX105B	1165	3600	.25	1200	1/4	115/1/60	Auto. Stat. Manual Switch	V-Belt Drive
IEF-2	Z9TDA	360	-----	.25	1550	185 watts	115/1/60	-----	Direct Drive

RELIEF VENT & OUTSIDE AIR INTAKE SCHEDULE

Designation on Drawings	Neck Size	Height	Remarks
GRV-1	36 x 42	28-1/2	Counterbalance Backdraft Damper
GRV-2	18 x 18	15	Counterbalance Backdraft Damper
GRV-3	30 x 30	24	Counterbalance Backdraft Damper
GRV-4	30 x 36	24	Counterbalance Backdraft Damper
GRV-5	24 x 30	19-1/2	Counterbalance Backdraft Damper
GRV-6	36 x 42	28-1/2	Counterbalance Backdraft Damper
GRV-7	12 x 12	10-1/2	Counterbalance Backdraft Damper
OAI-1	12 x 12	10-1/2	
OAI-2	12 x 18	10-1/2	
OAI-3	12 x 24	10-1/2	
OAI-4	24 x 24	19-1/2	
OAI-5	24 x 36	19-1/2	
OAI-6	18 x 36	15	
OAI-7	24 x 48	19-1/2	
OAI-8	18 x 48	15	
OAI-9	36 x 48	28-1/2	

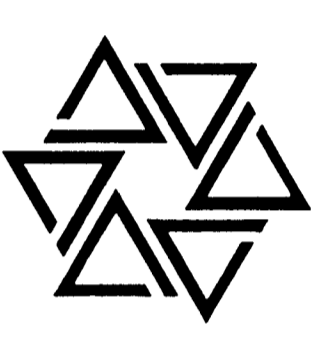
CONDENSING UNIT (Administration Office Area)

Furnish and install an air-cooled condensing unit on roof above Administration Office Area (Unit AHU-6). Unit shall be piped to DX coil in AHU-6. Unit shall be a TRANE TTA042A006 air-cooled condensing unit with capacity of 40.6 MBH at 41° saturated suction temperature. Unit shall be complete with all necessary controls and refrigerant specialties.



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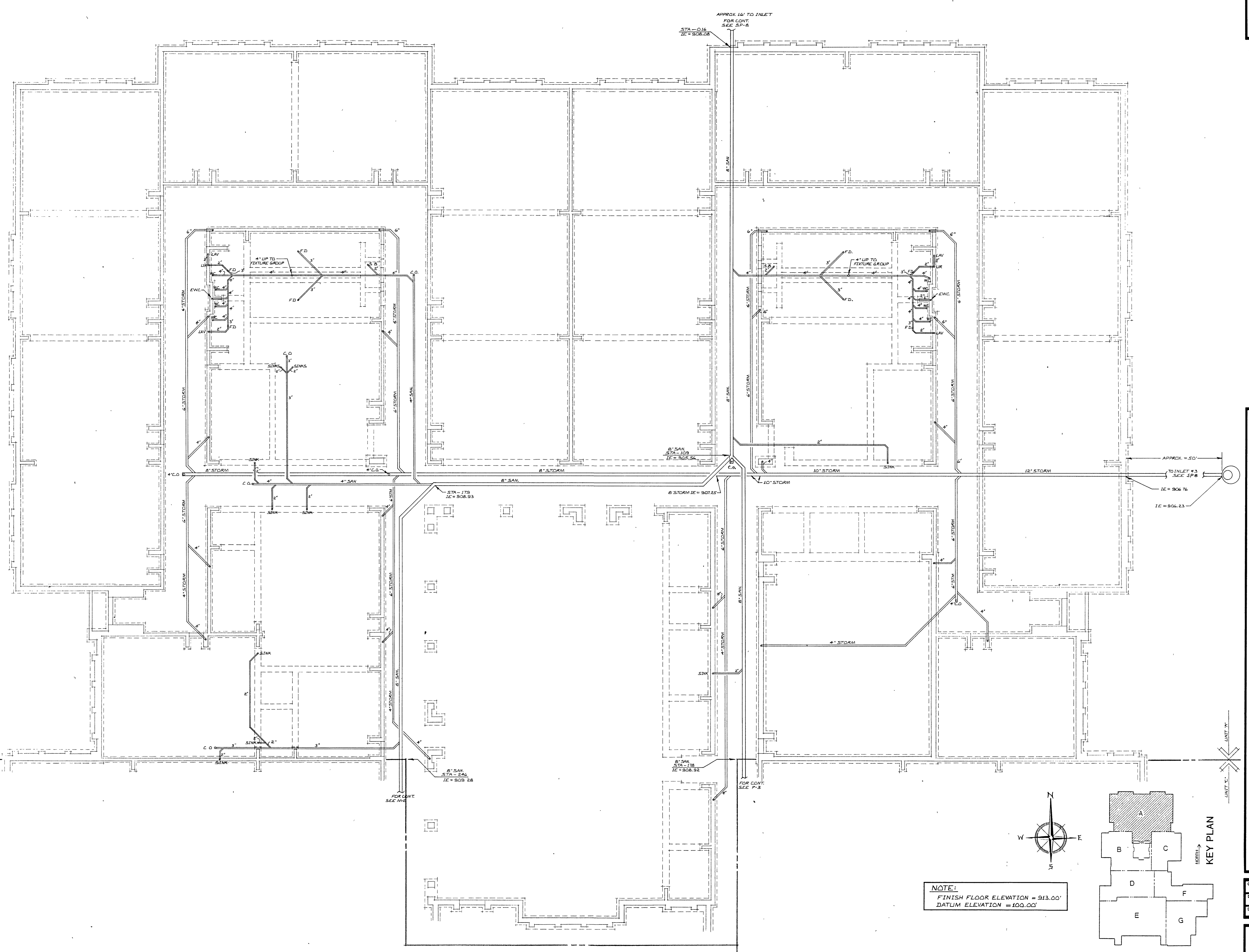
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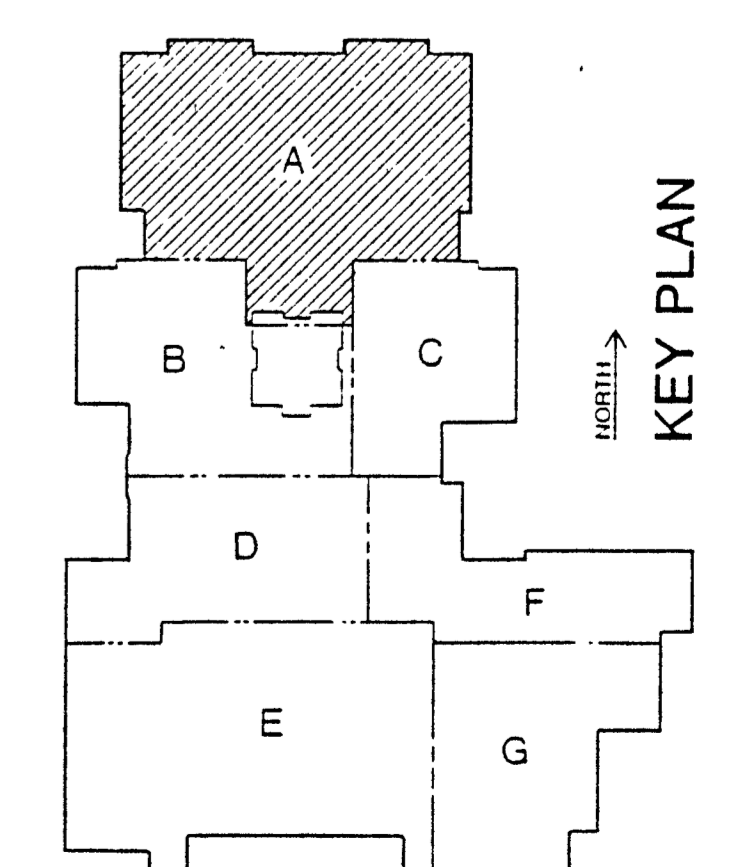
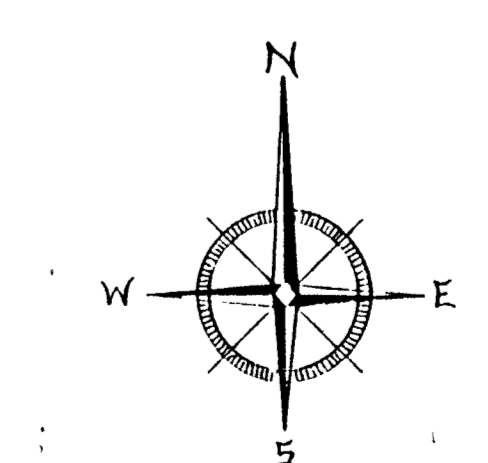
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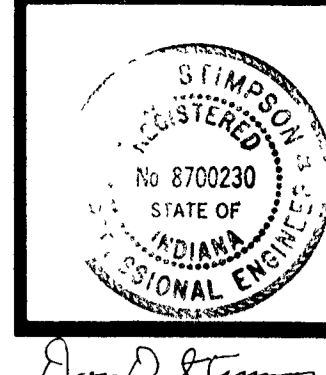
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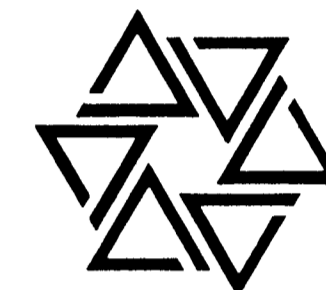
NOTE:
FINISH FLOOR ELEVATION = 913.00'
DATUM ELEVATION = 100.00'



UNIT 'A' PLUMBING UNDERGROUND PLAN
SCALE: 1/8" = 1'- 0"



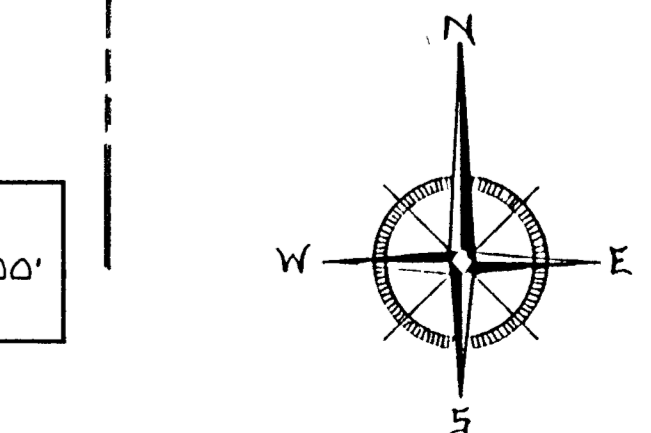
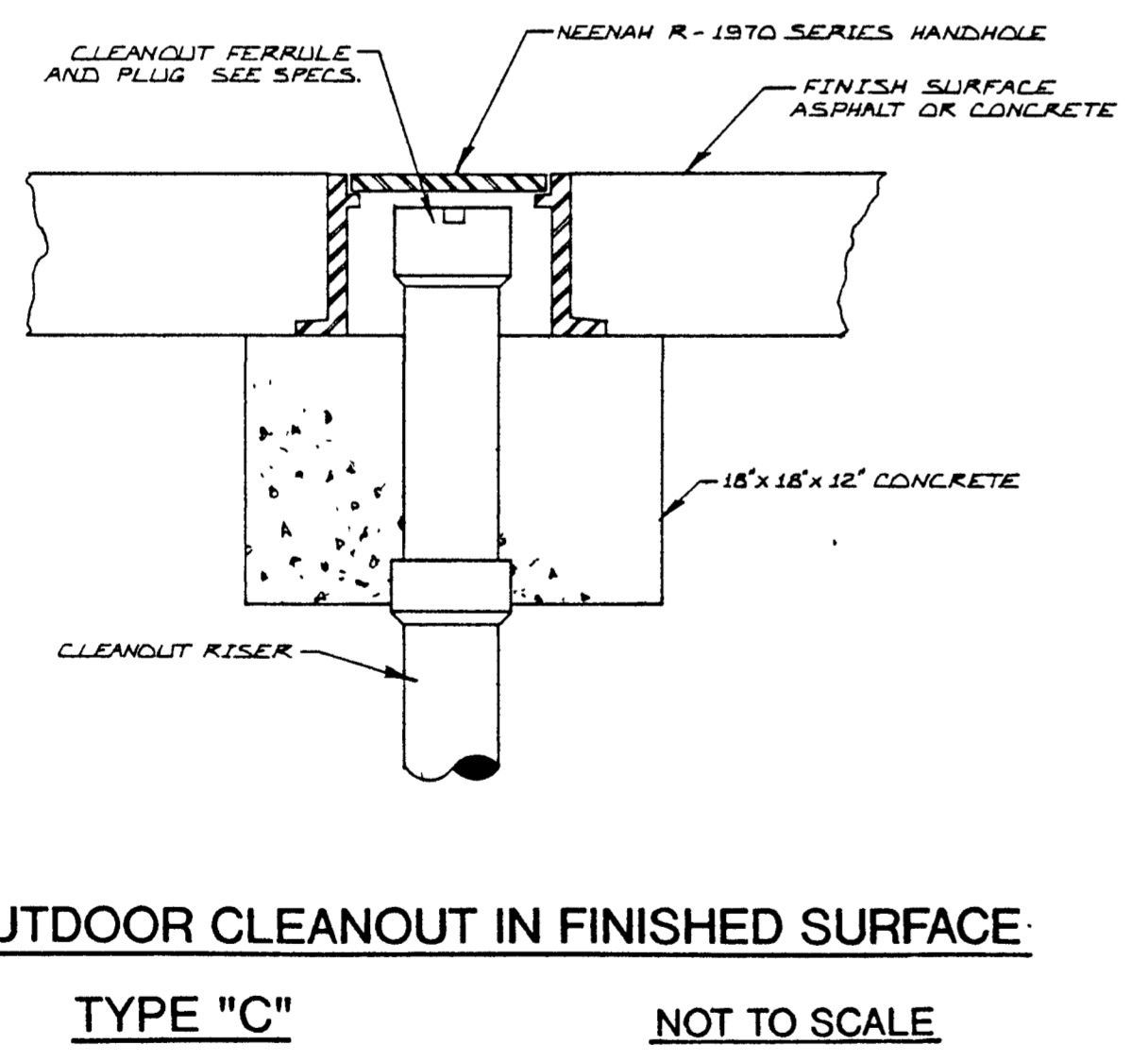
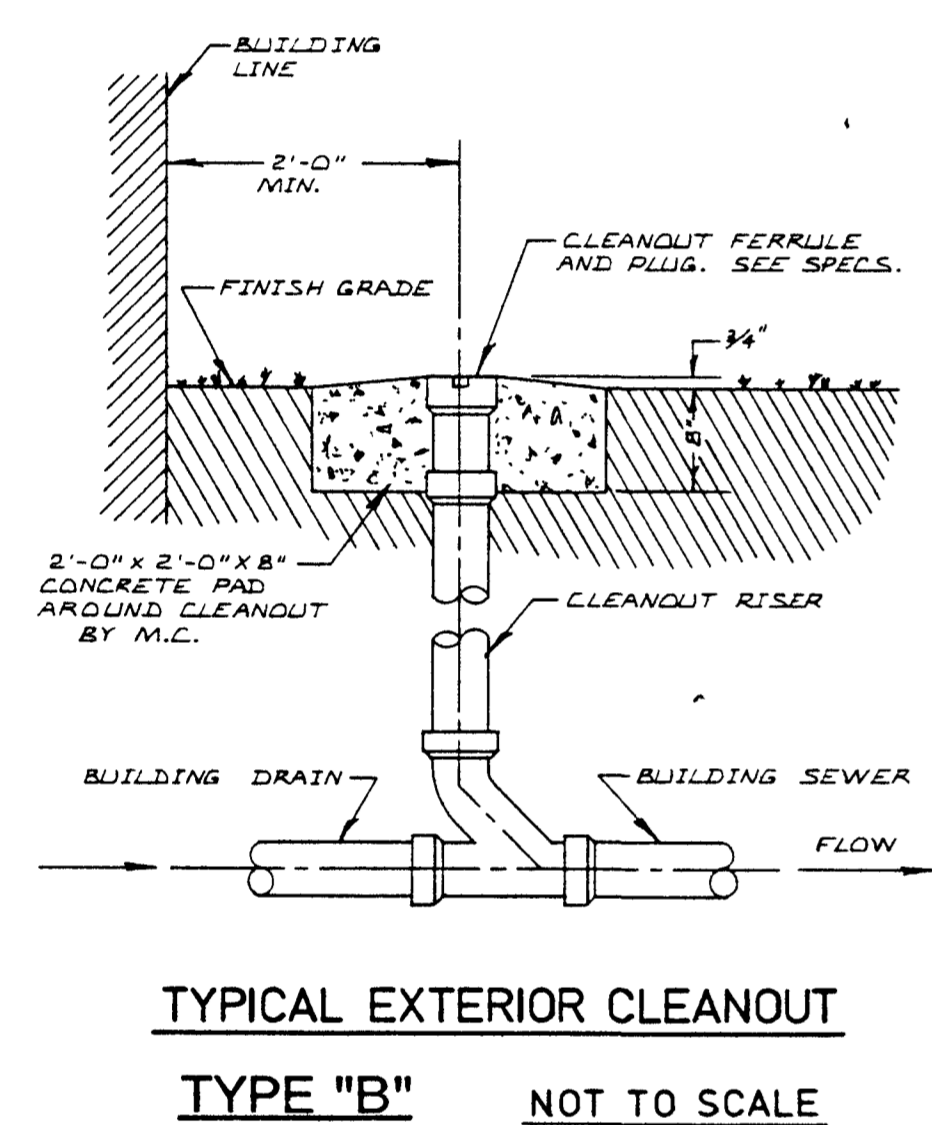
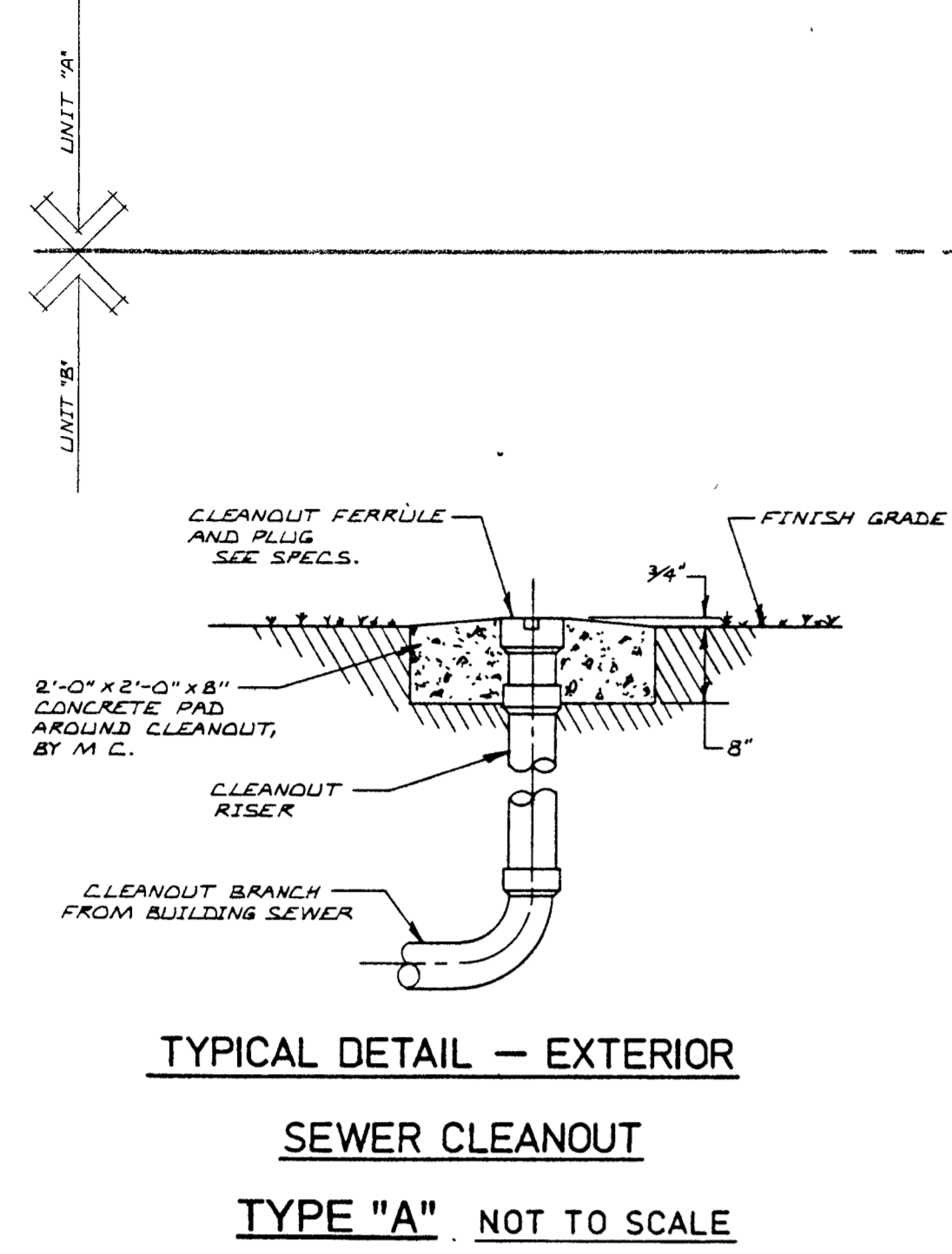
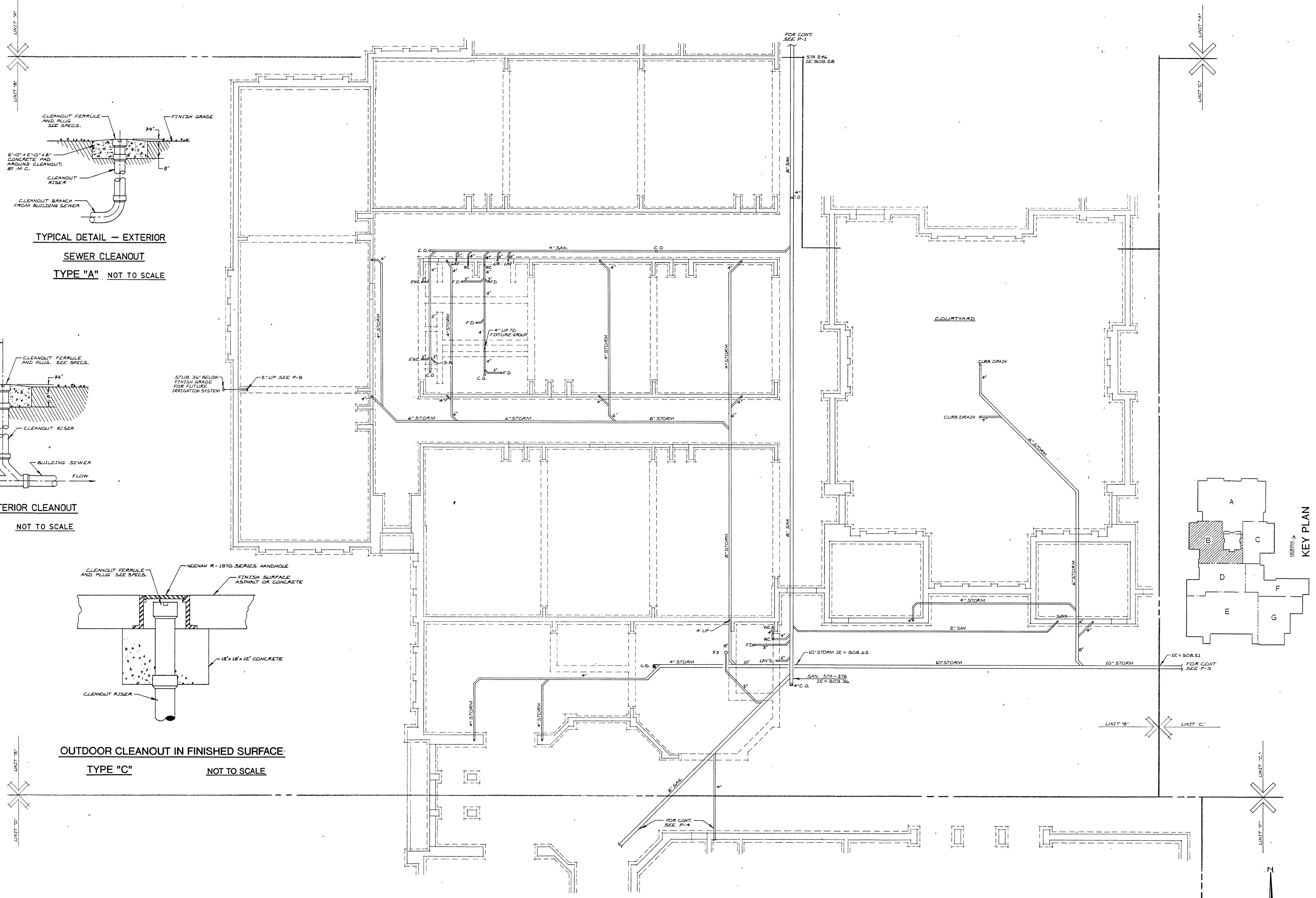
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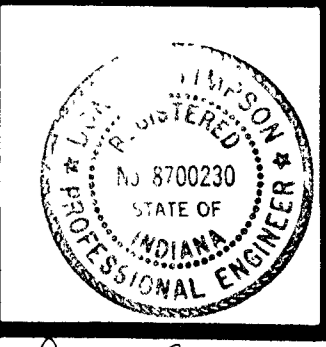
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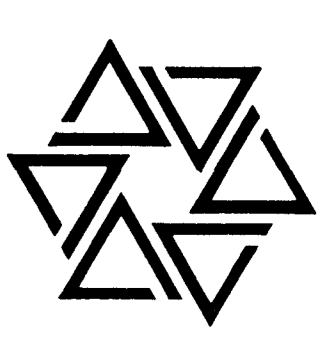


NOTE:
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 DATUM ELEVATION = 100.00'

UNIT 'B' PLUMBING UNDERGROUND PLAN
 SCALE: 1/8" = 1'-0"



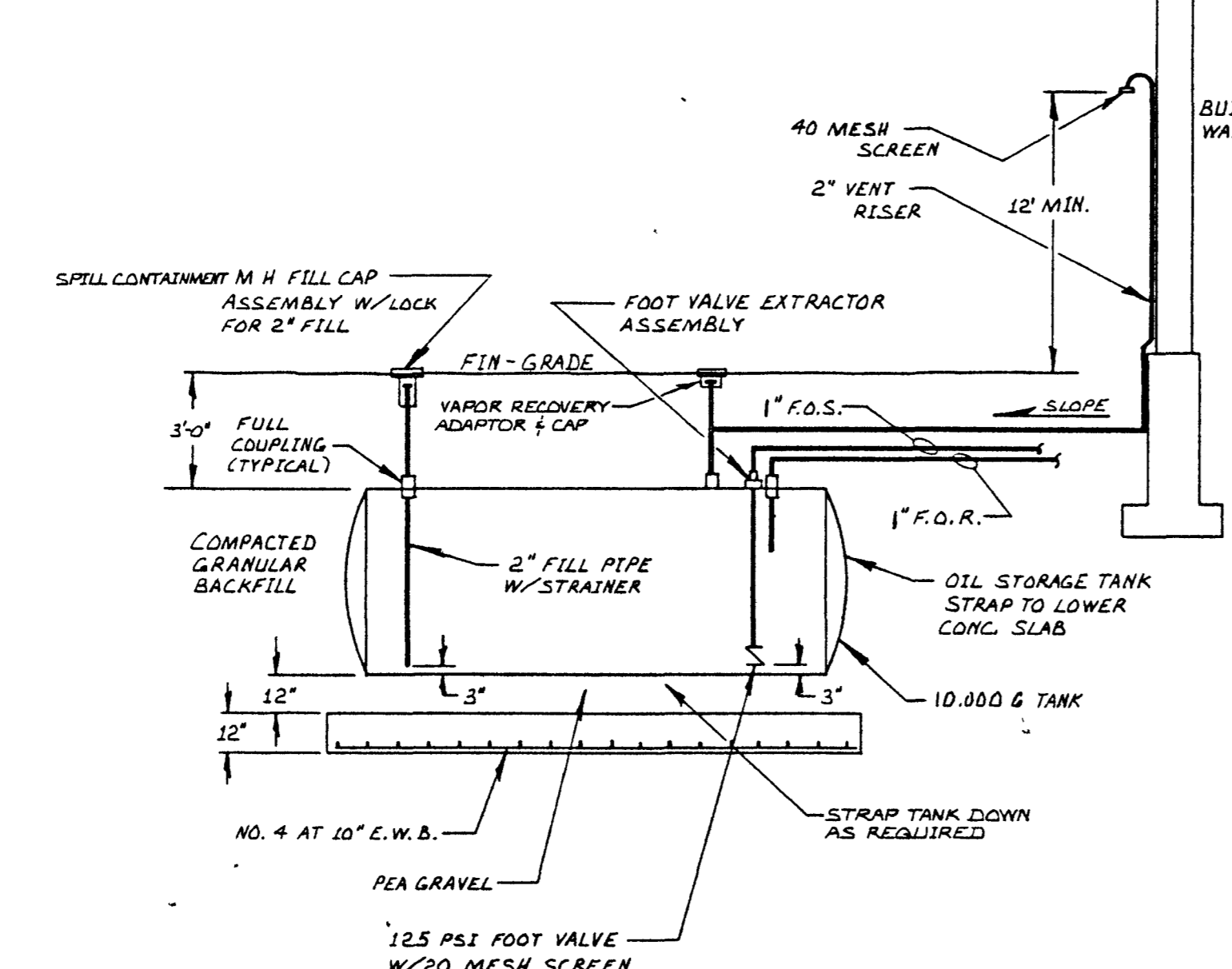
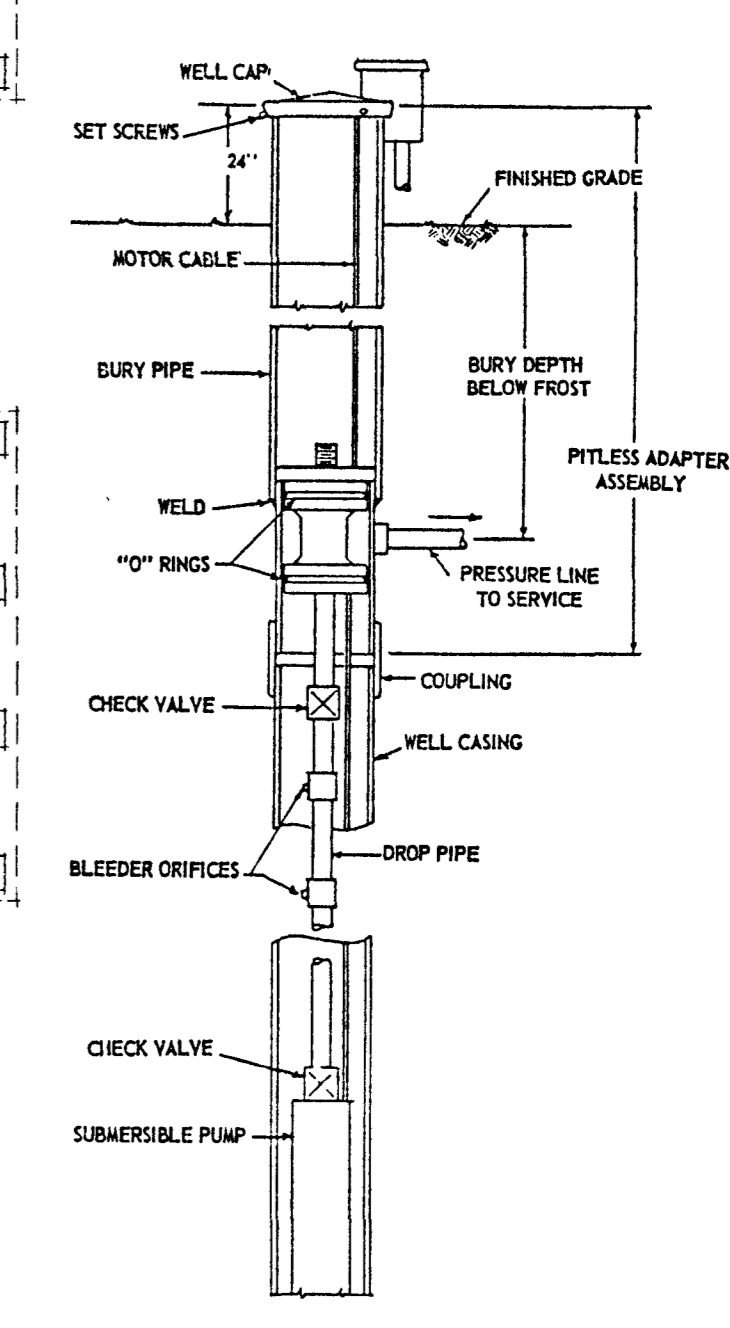
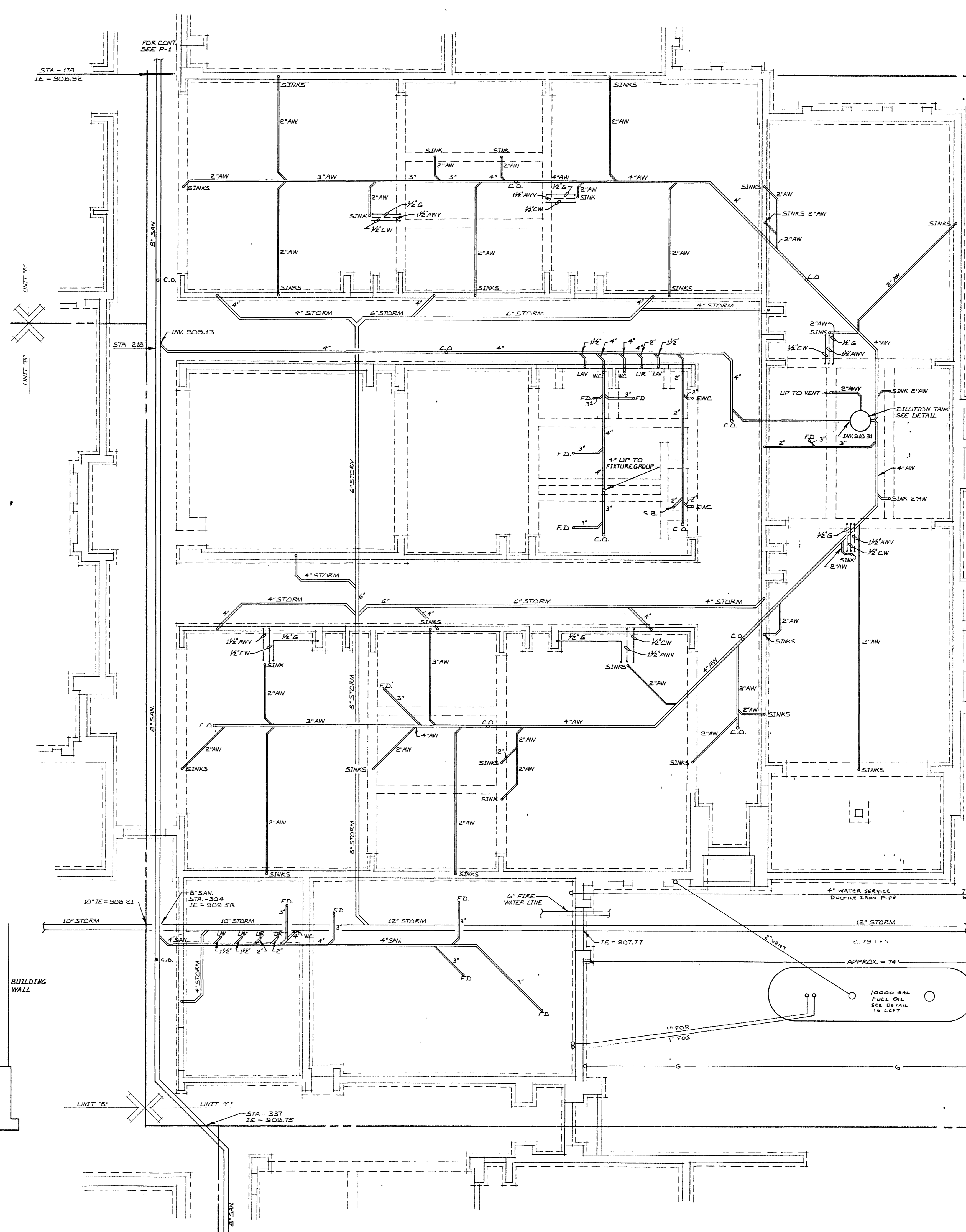
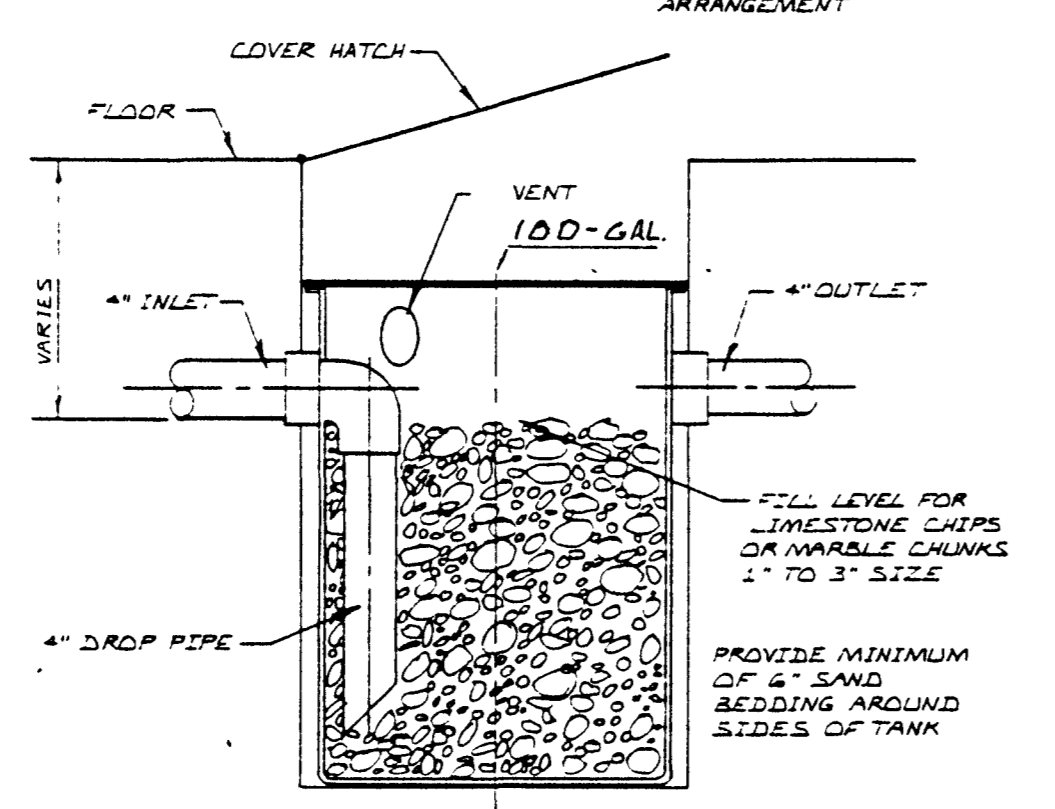
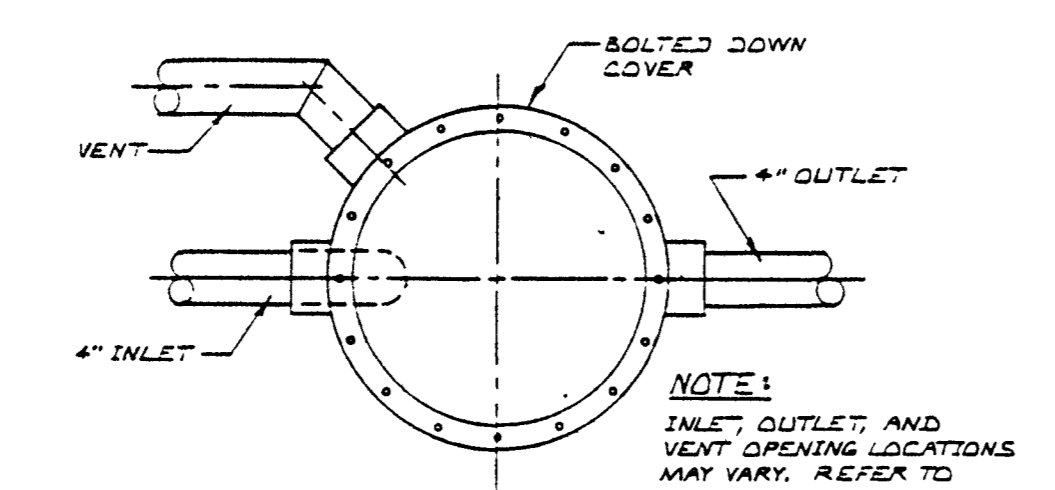
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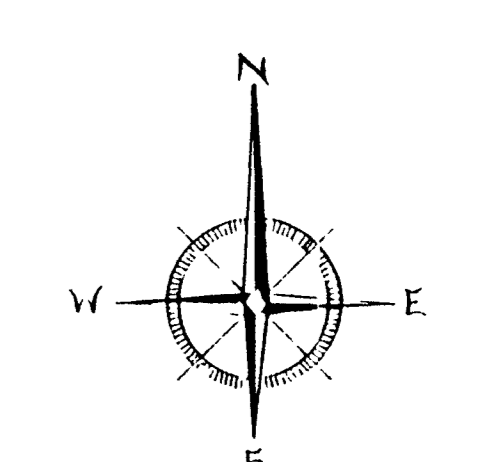
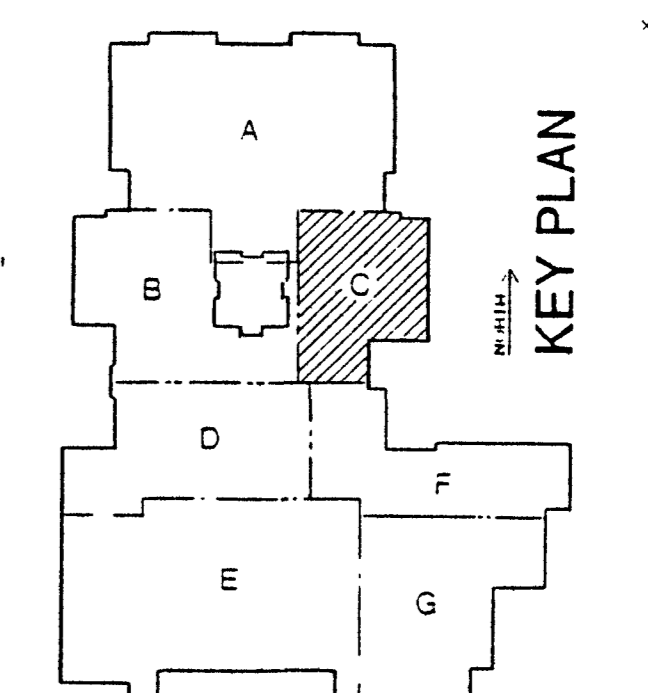
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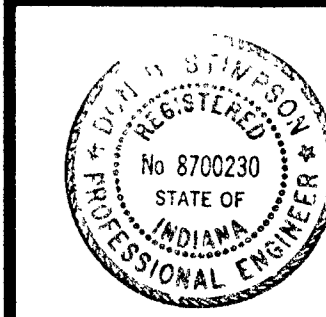


NOTE: ALL UNDERGROUND RIGHT ANGLE BENDS TO BE MADE W/FLEXIBLE CONNECTORS OR SWIVEL JOINTS

NOTE:
 FINISH FLOOR ELEVATION = 913.00'
 DATUM ELEVATION = 100.00'

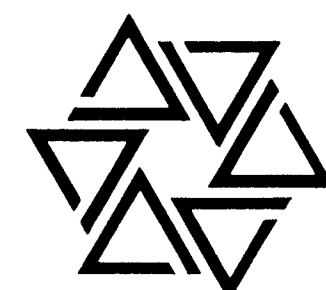


UNIT 'C' PLUMBING UNDERGROUND PLAN
 SCALE: 1/8" = 1'-0"



Don D. Hanger

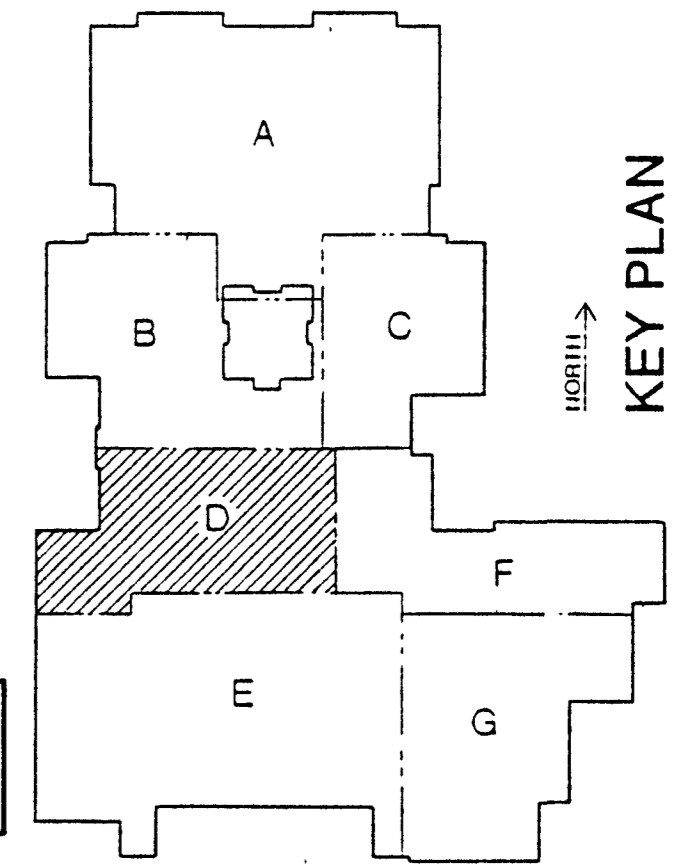
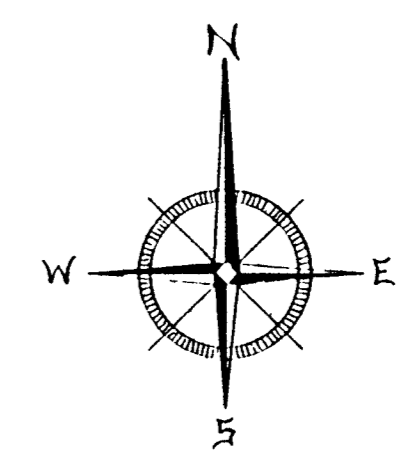
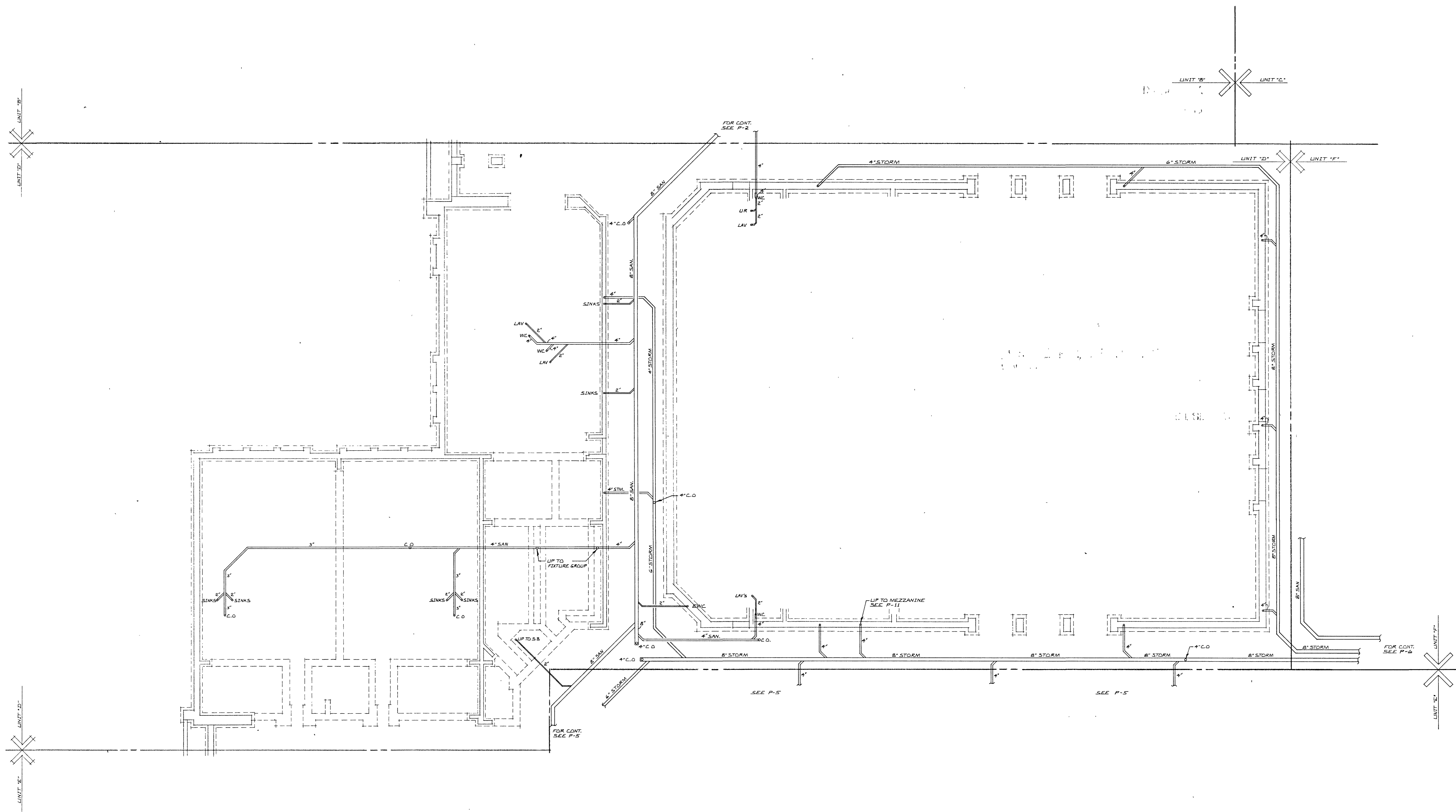
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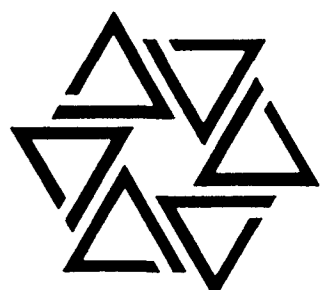
NOTE:
FINISH FLOOR ELEVATION = 913.00'
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UNIT 'D' PLUMBING UNDERGROUND PLAN
SCALE: 1/8" = 1'-0"



Don D. Stangor

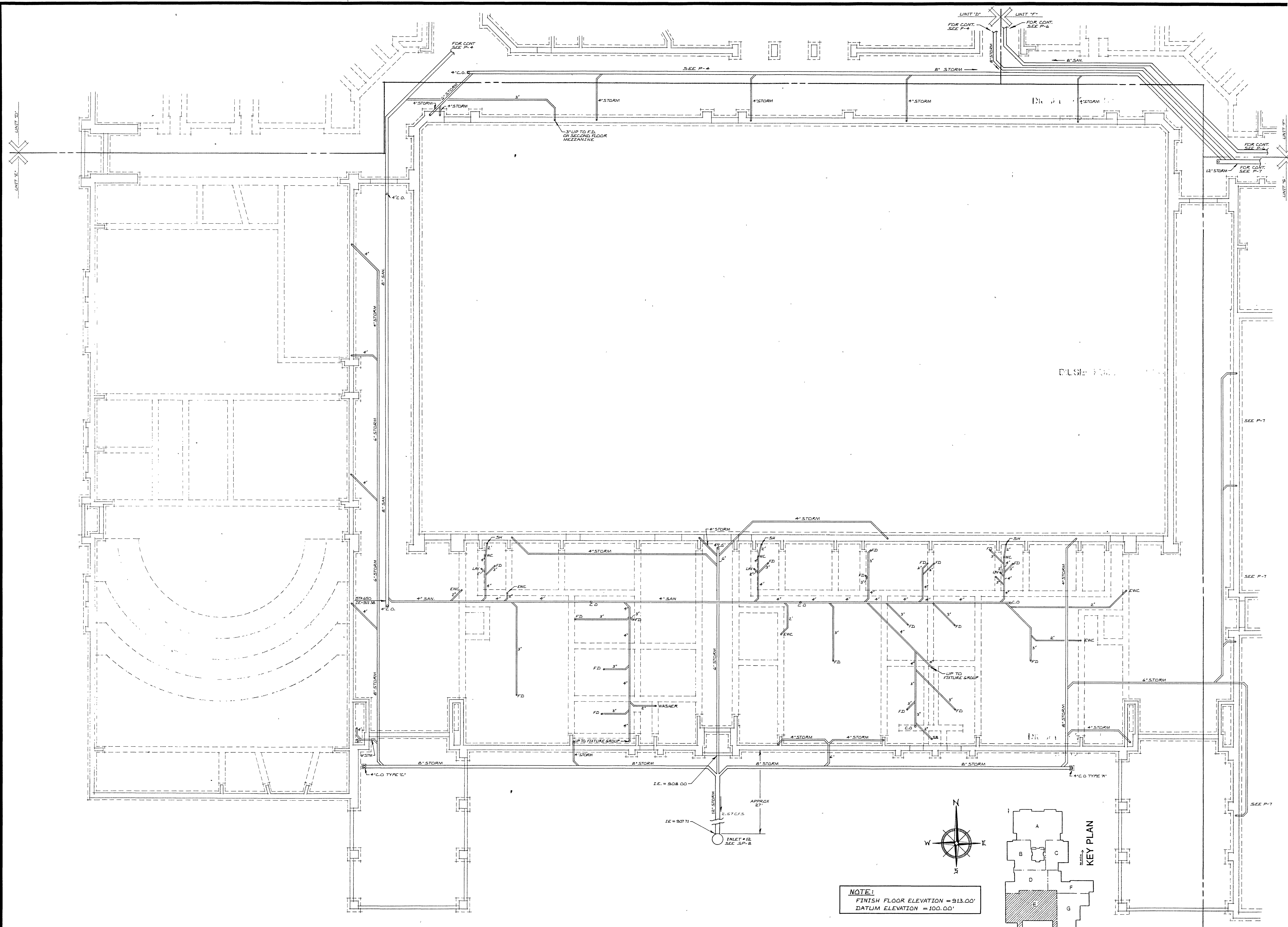
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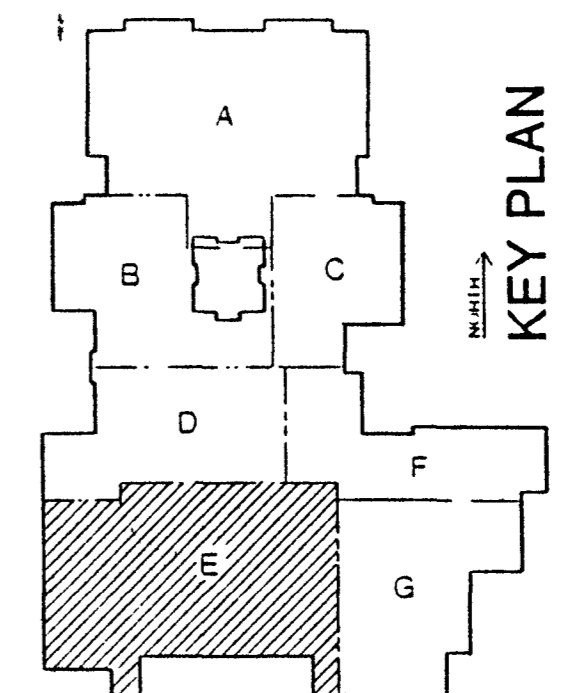
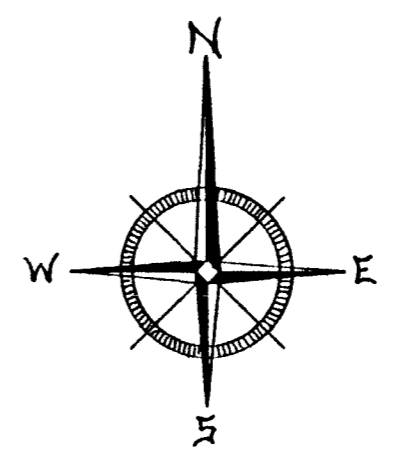
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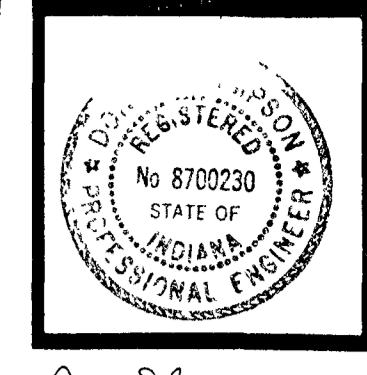


NOTE:
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DATUM ELEVATION = 100.00'



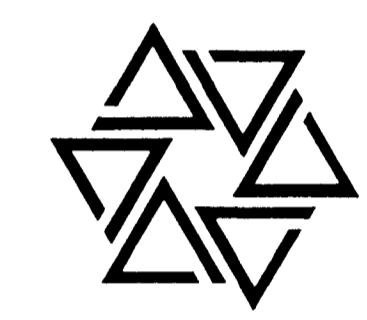
UNIT 'E' PLUMBING UNDERGROUND PLAN

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



Dan D. Stimpert

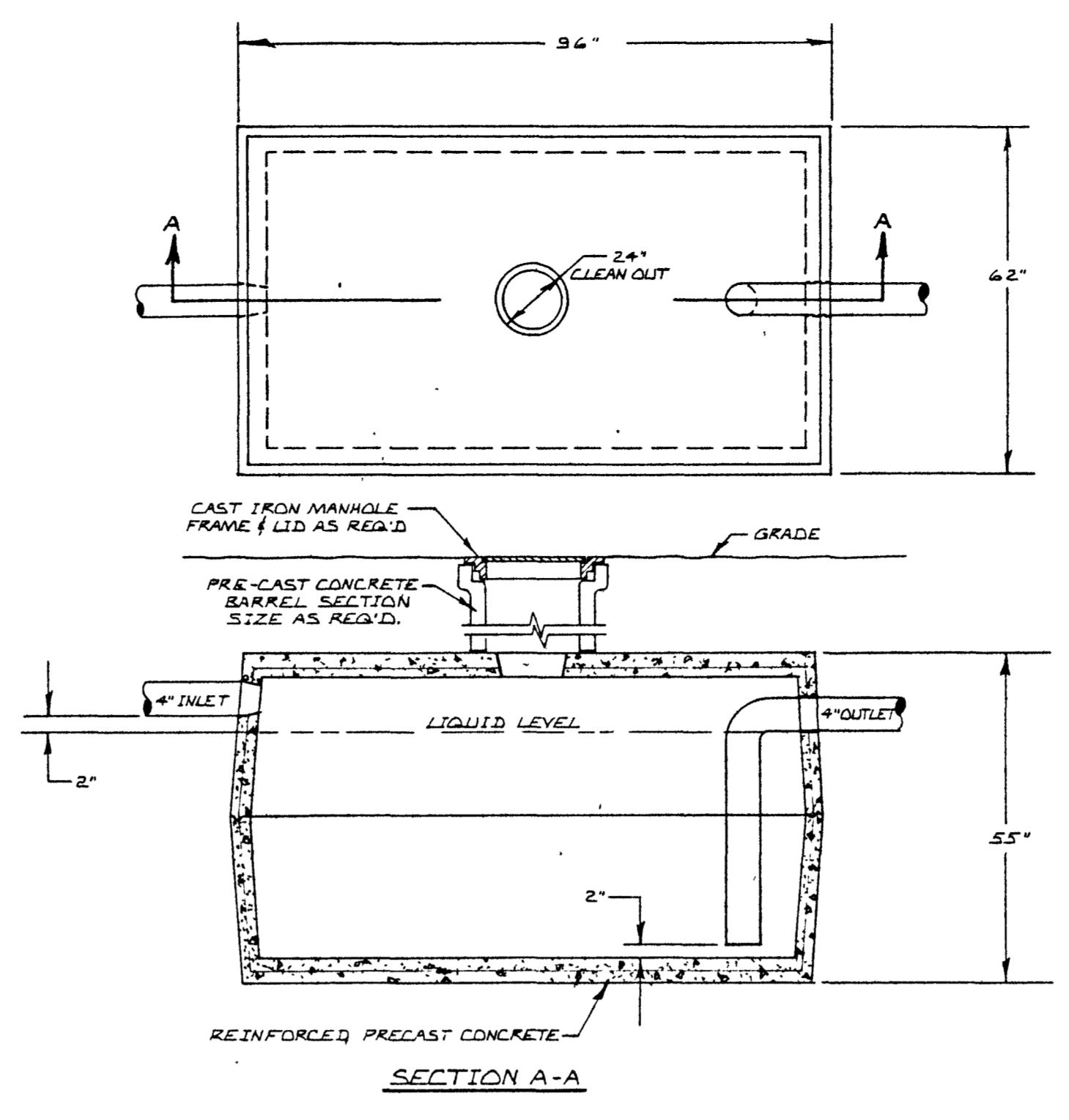
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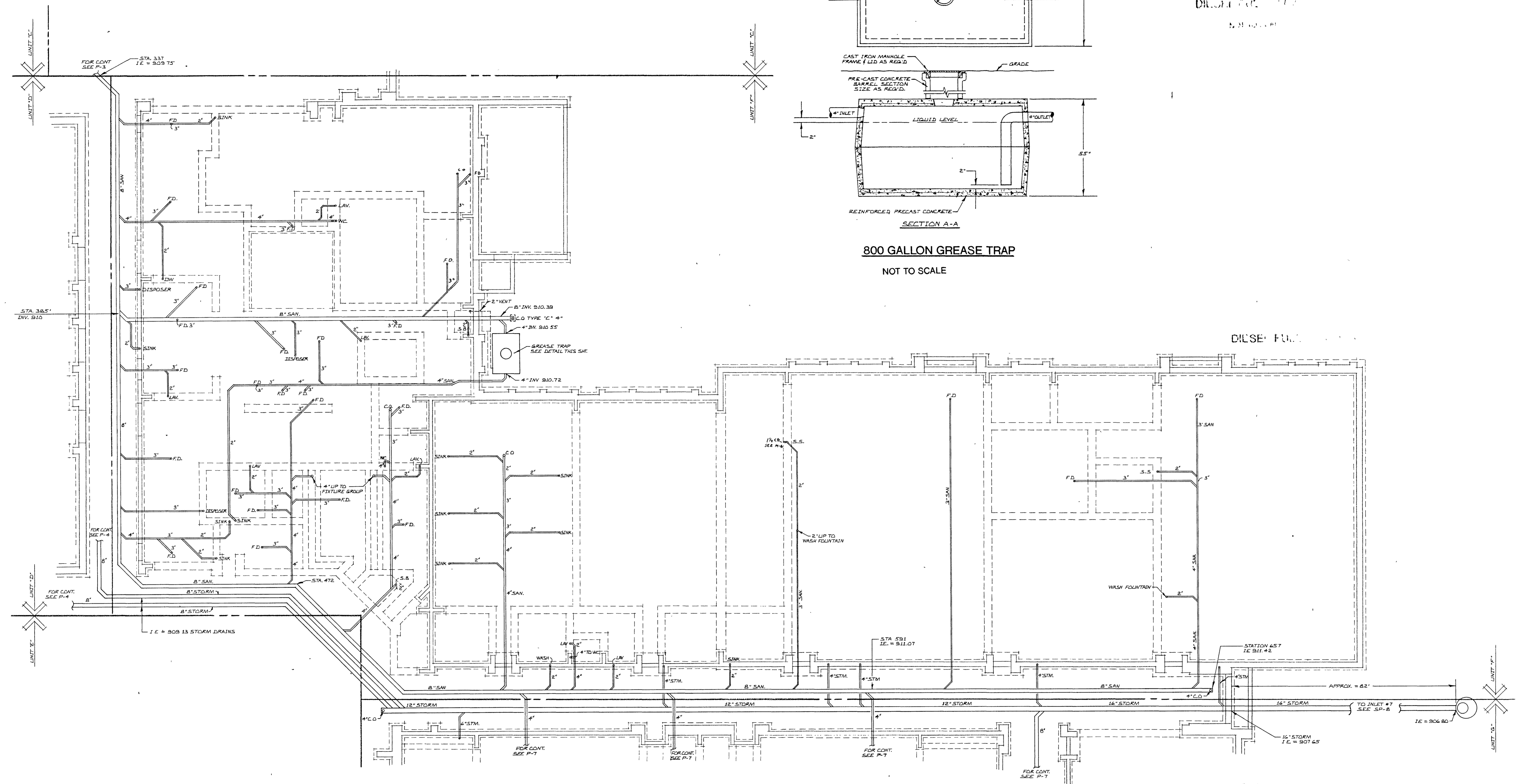
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
DATE 2/28/89
DRAWN BY J.B.

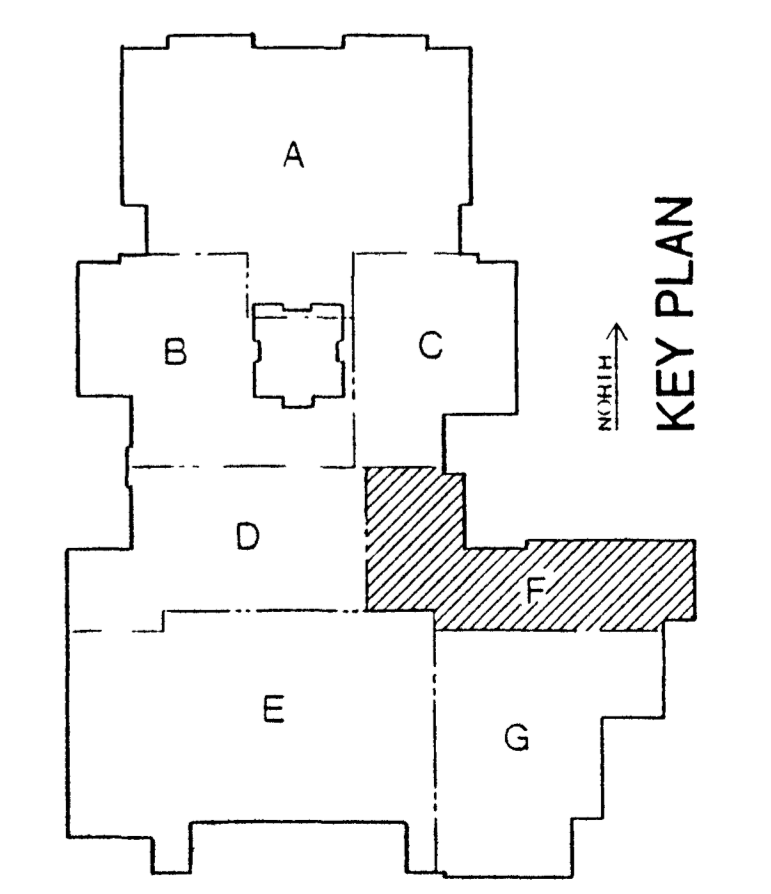
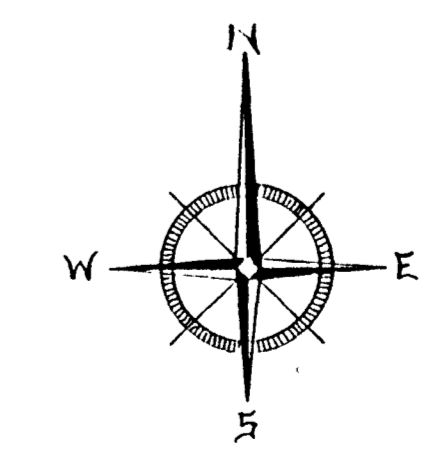
P6



800 GALLON GREASE TRAP
NOT TO SCALE

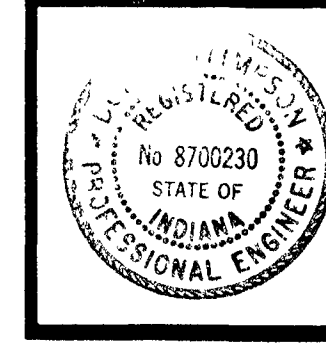


DRAWN BY J.B.



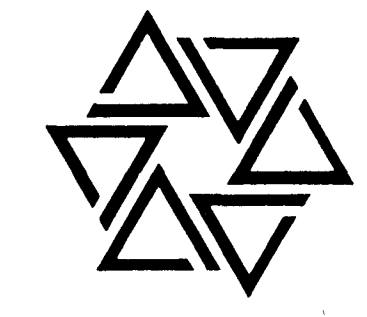
NOTE:
FINISH FLOOR ELEVATION = 913.00'
DATUM ELEVATION = 100.00'

UNIT 'F' PLUMBING UNDERGROUND PLAN
SCALE: 1/8" = 1'-0"



Dan D. Stimpson

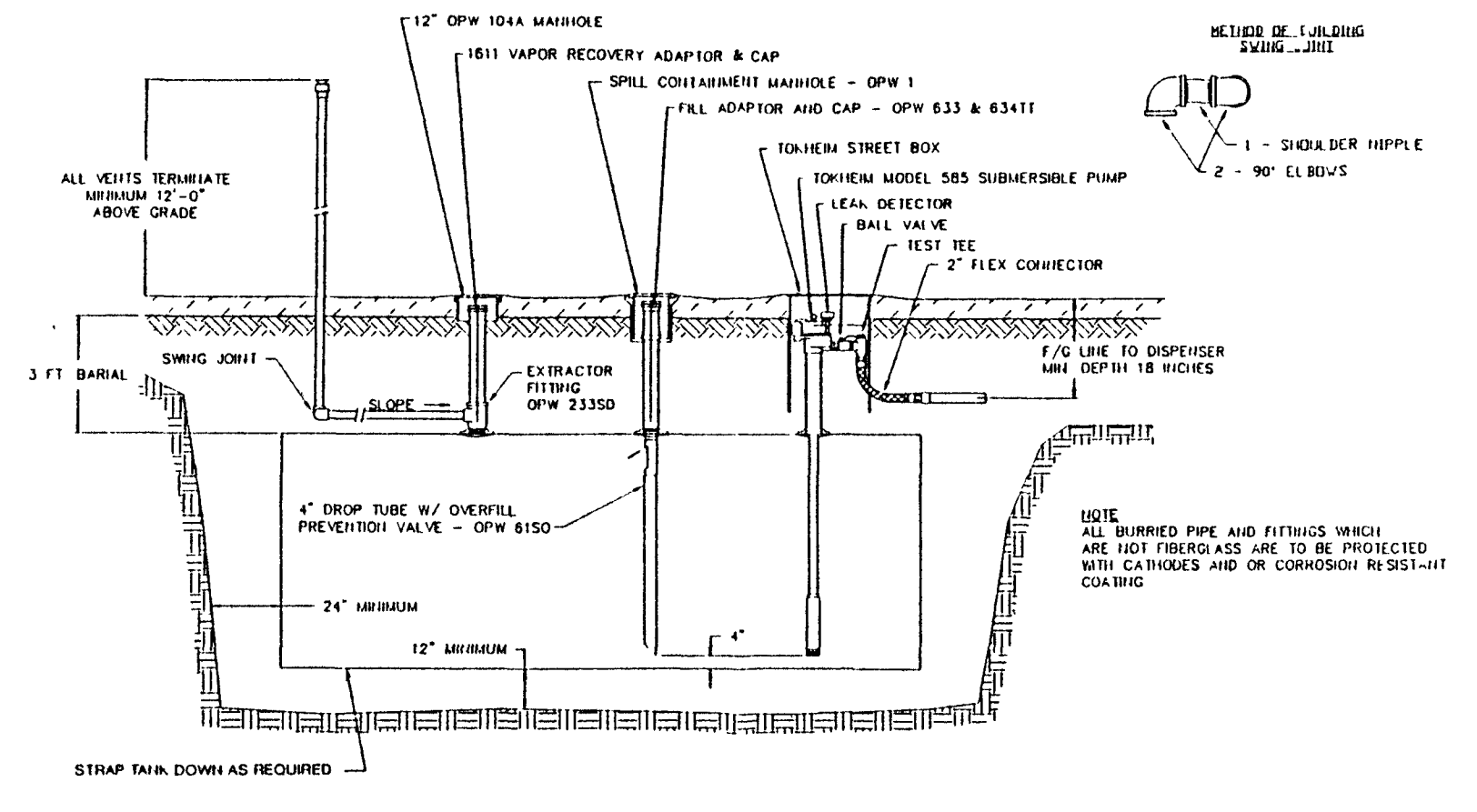
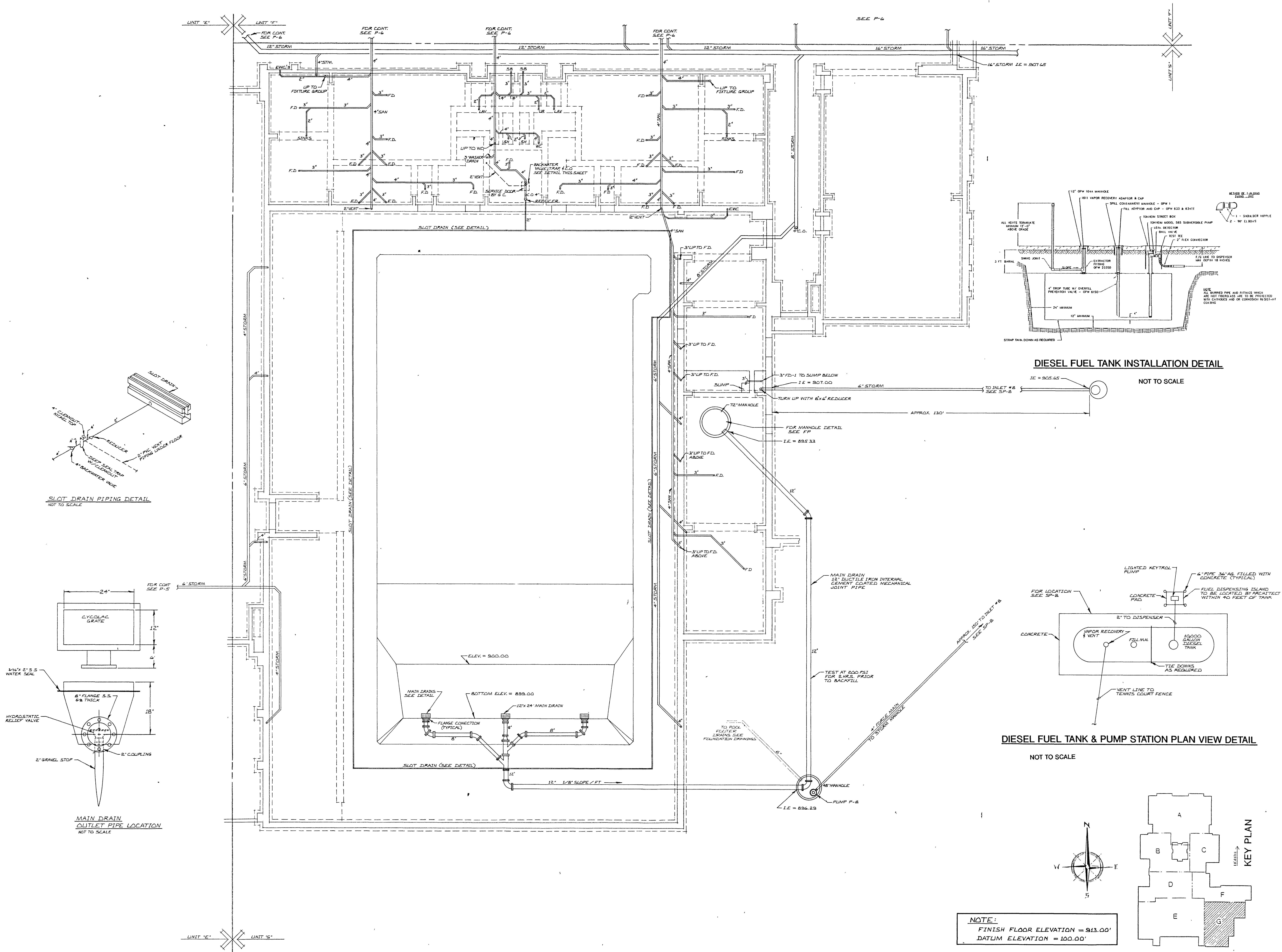
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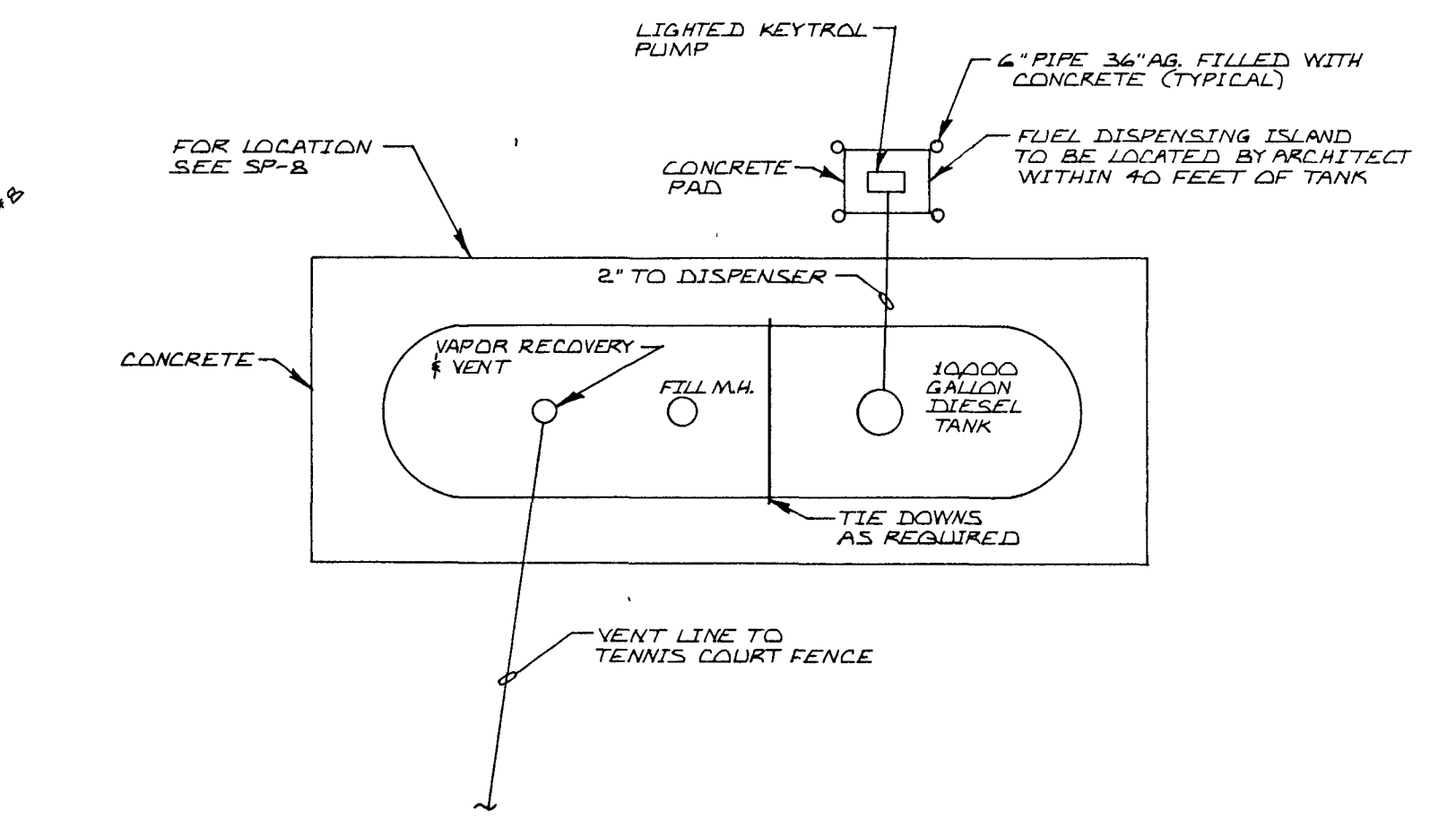
COMM. NO. 8714
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P7



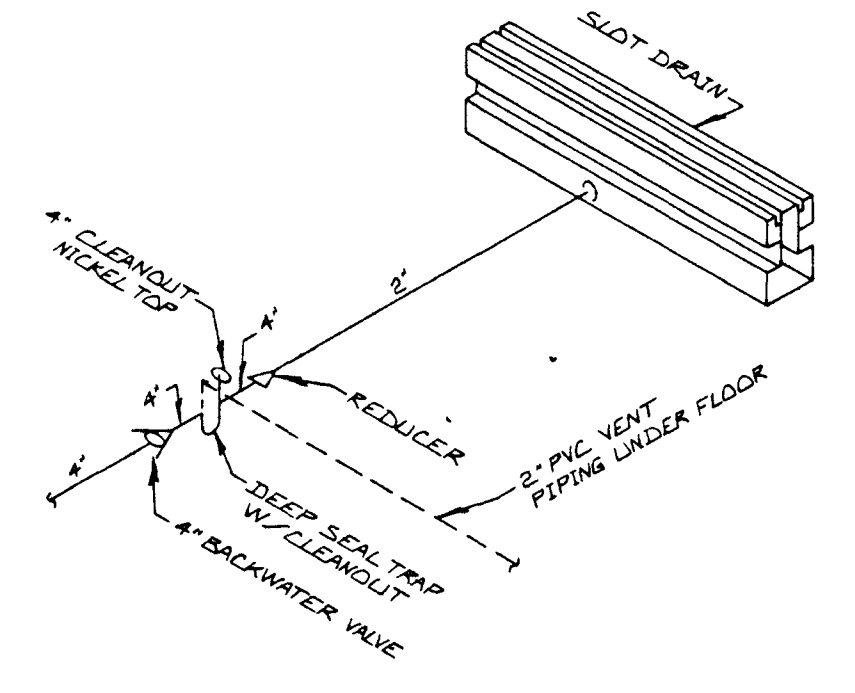
DIESEL FUEL TANK INSTALLATION DETAIL

NOT TO SCALE



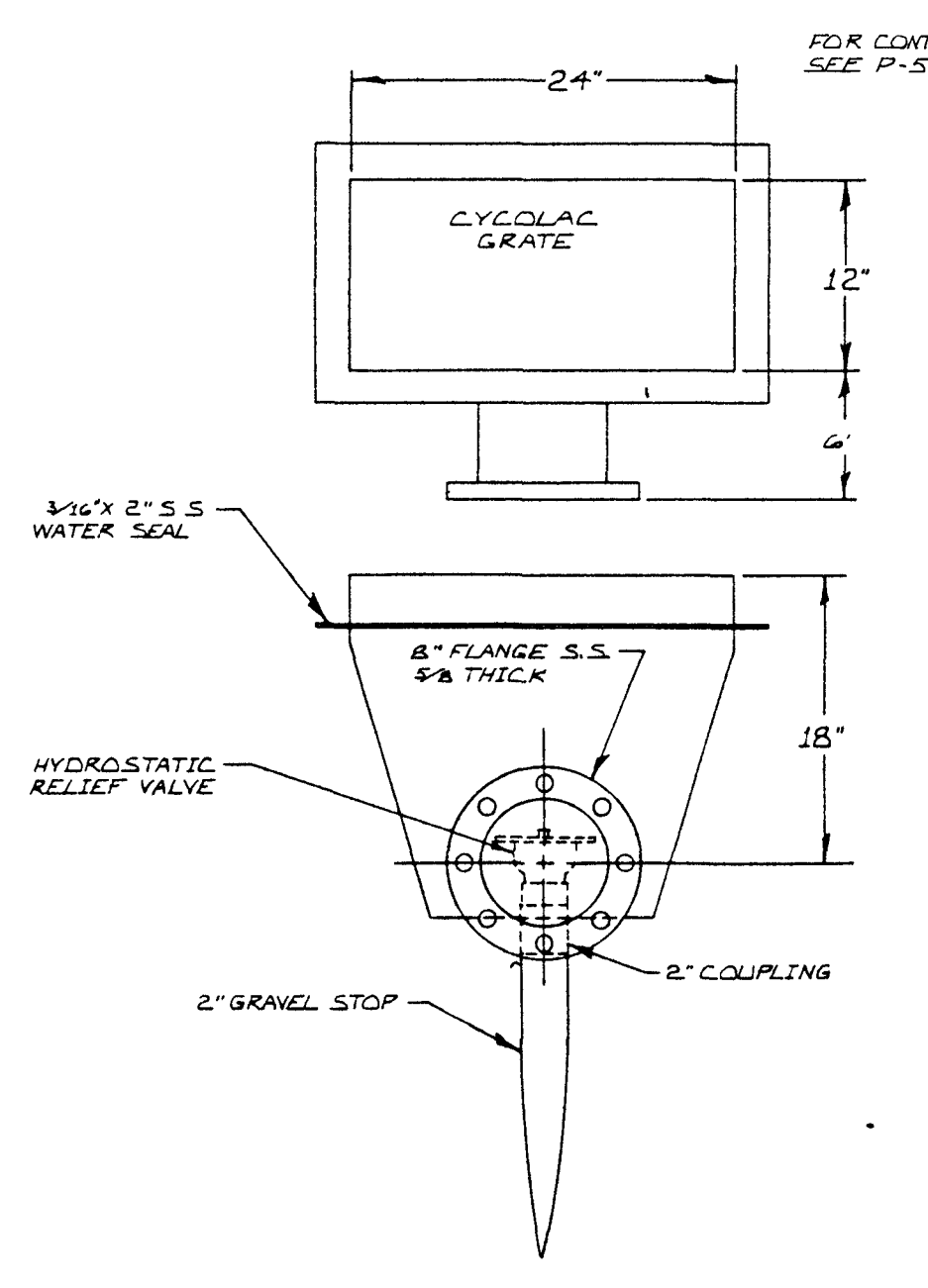
DIESEL FUEL TANK & PUMP STATION PLAN VIEW DETAIL

NOT TO SCALE



SLOT DRAIN PIPING DETAIL

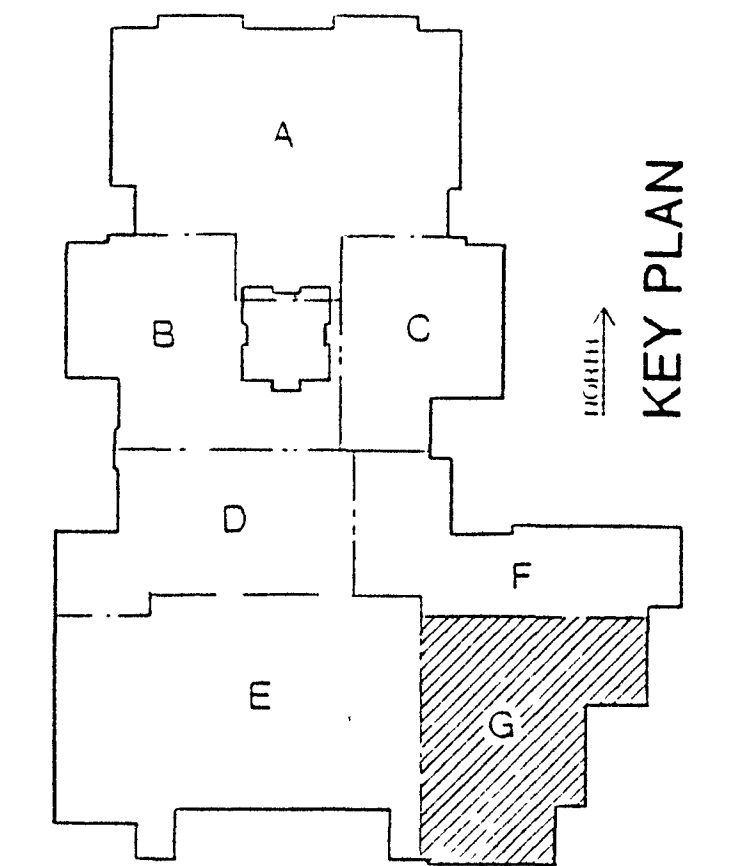
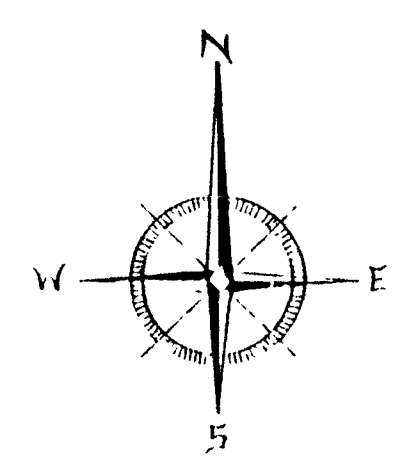
NOT TO SCALE



MAIN DRAIN OUTLET PIPE LOCATION

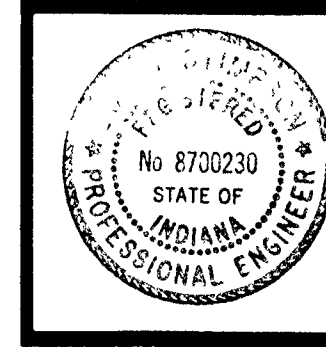
NOT TO SCALE

NOTE:
FINISH FLOOR ELEVATION = 913.00'
DATUM ELEVATION = 100.00'



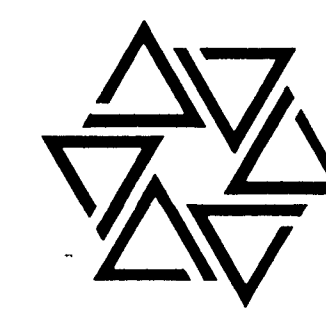
KEY PLAN

UNIT 'G' PLUMBING UNDERGROUND PLAN
SCALE: 1/8" = 1'-0"



Don O'Hanrahan

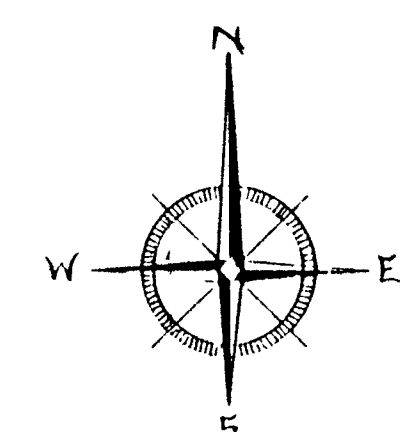
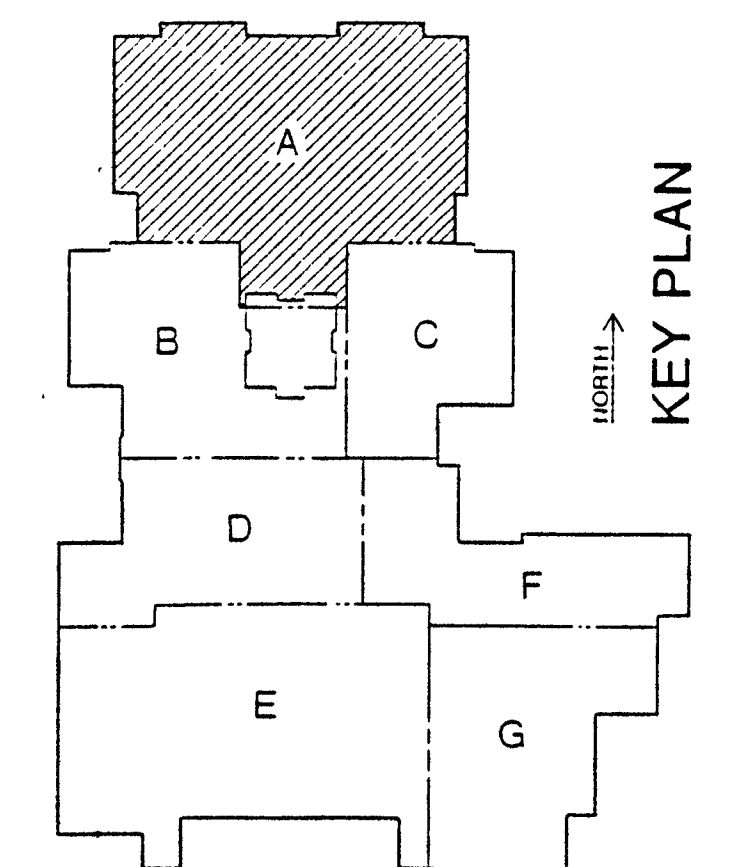
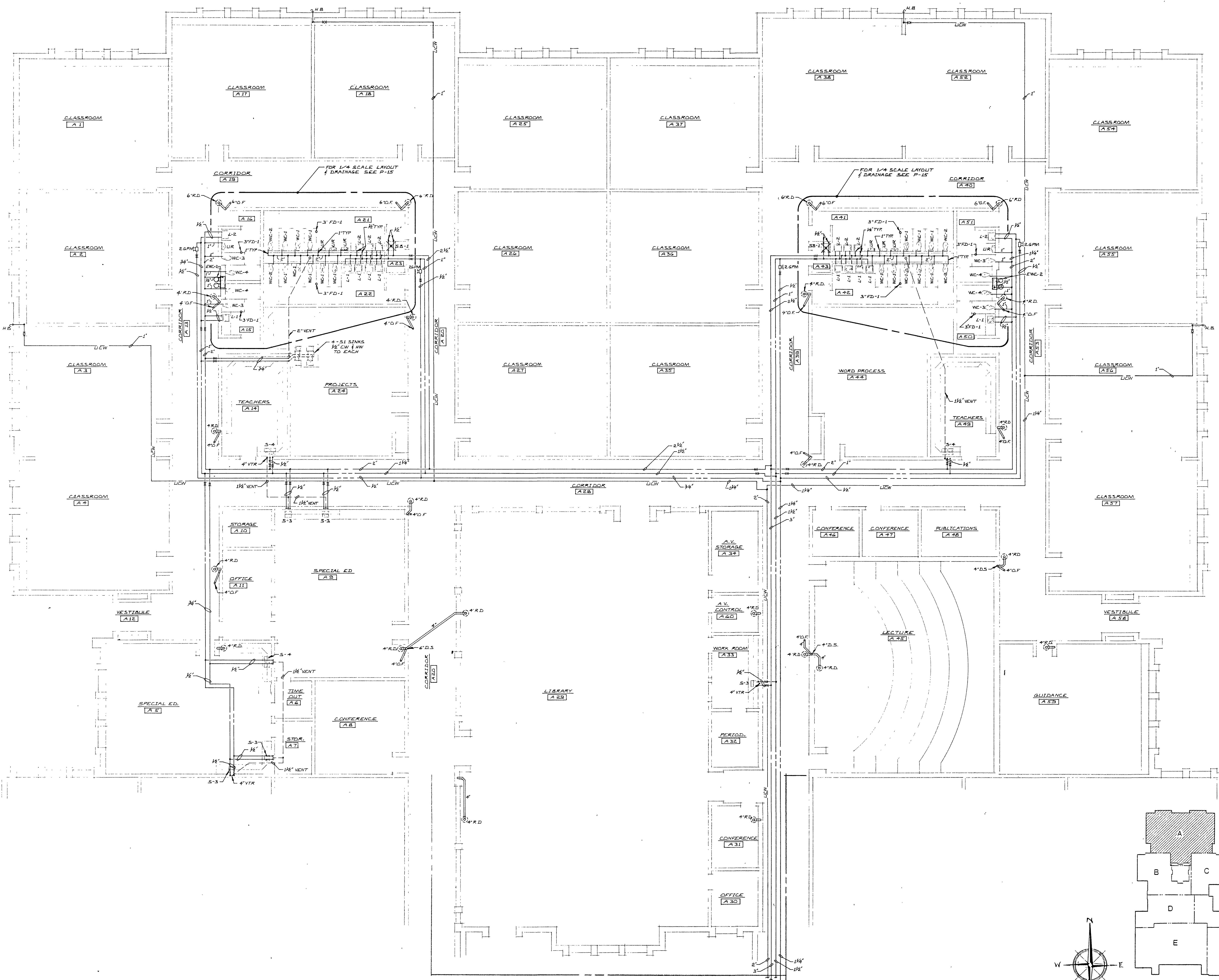
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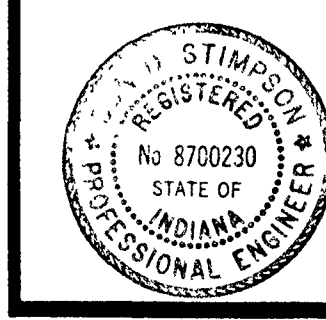
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P8

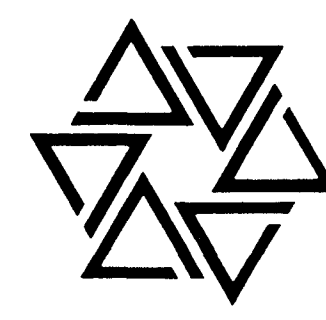


UNIT 'A' PLUMBING PLAN
SCALE: 1/8" = 1'-0"



Dr. D. H. ...

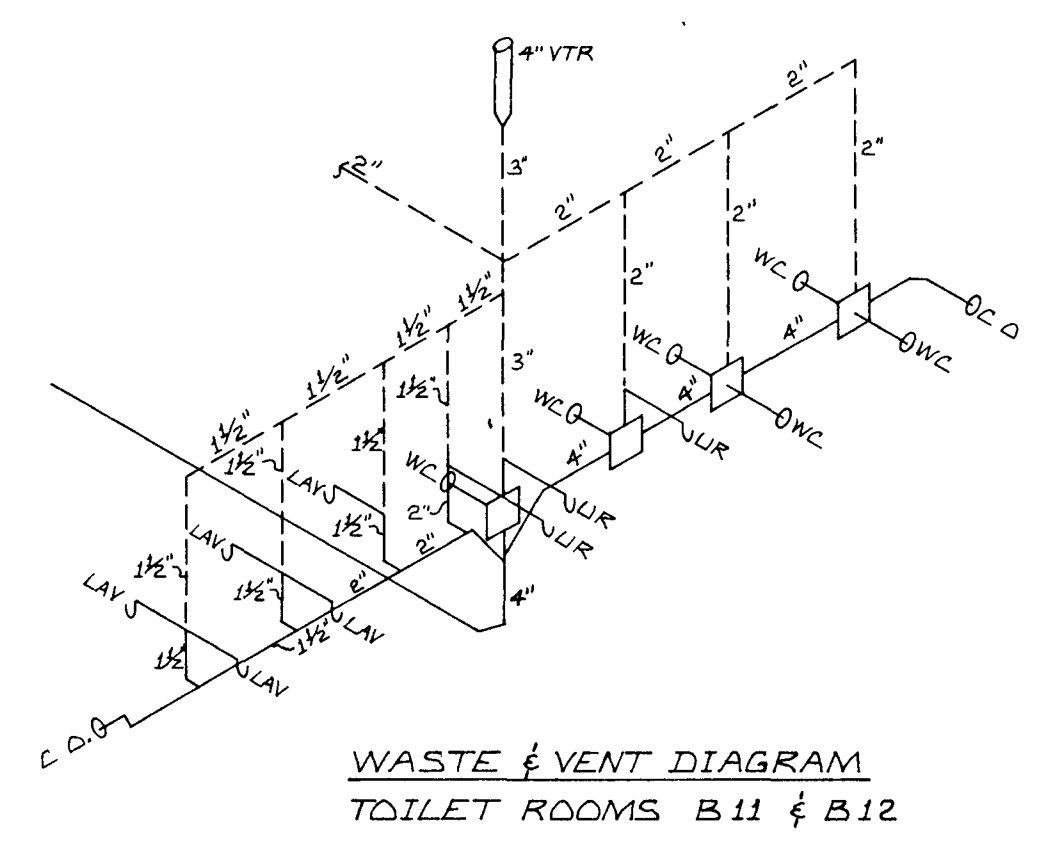
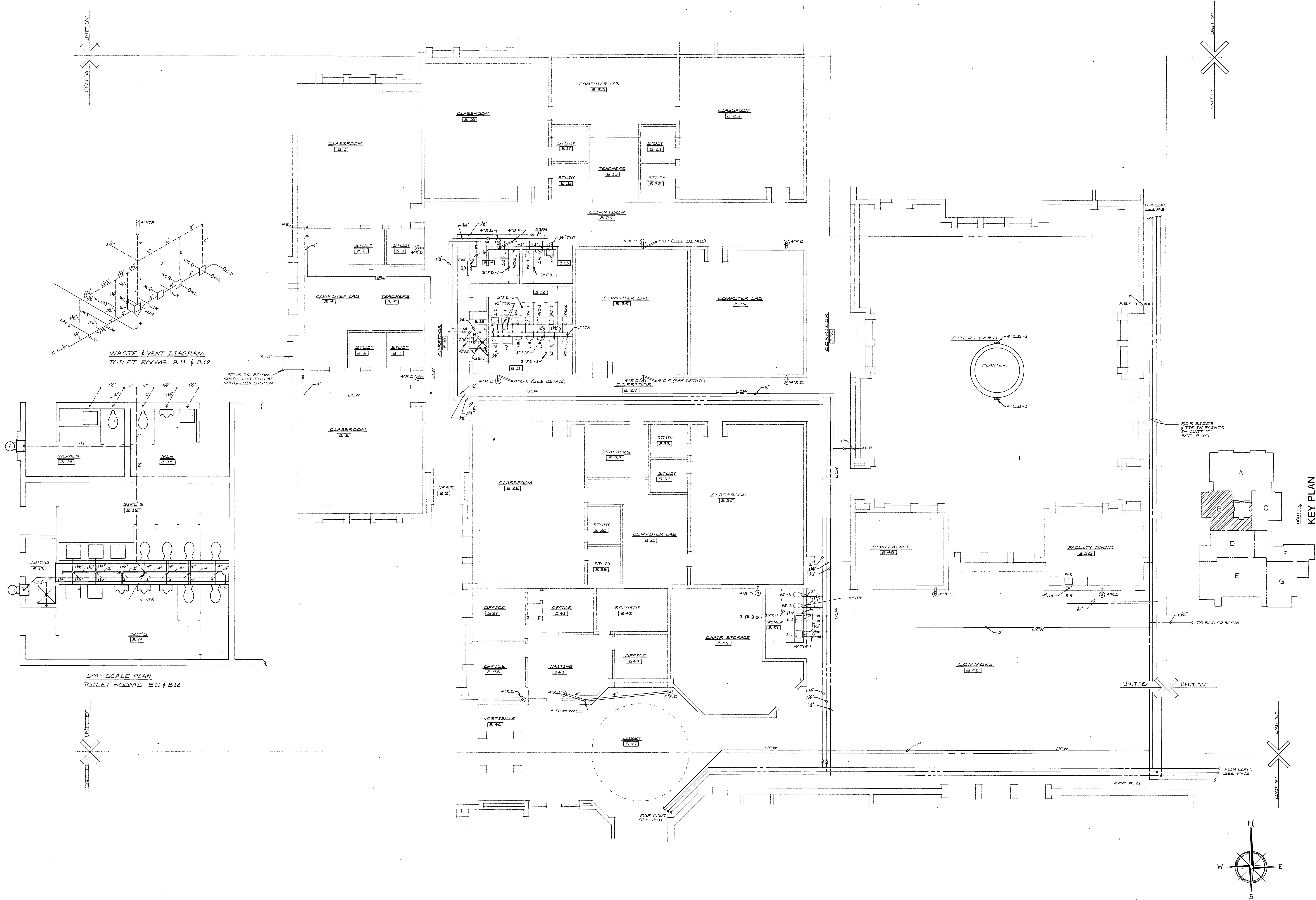
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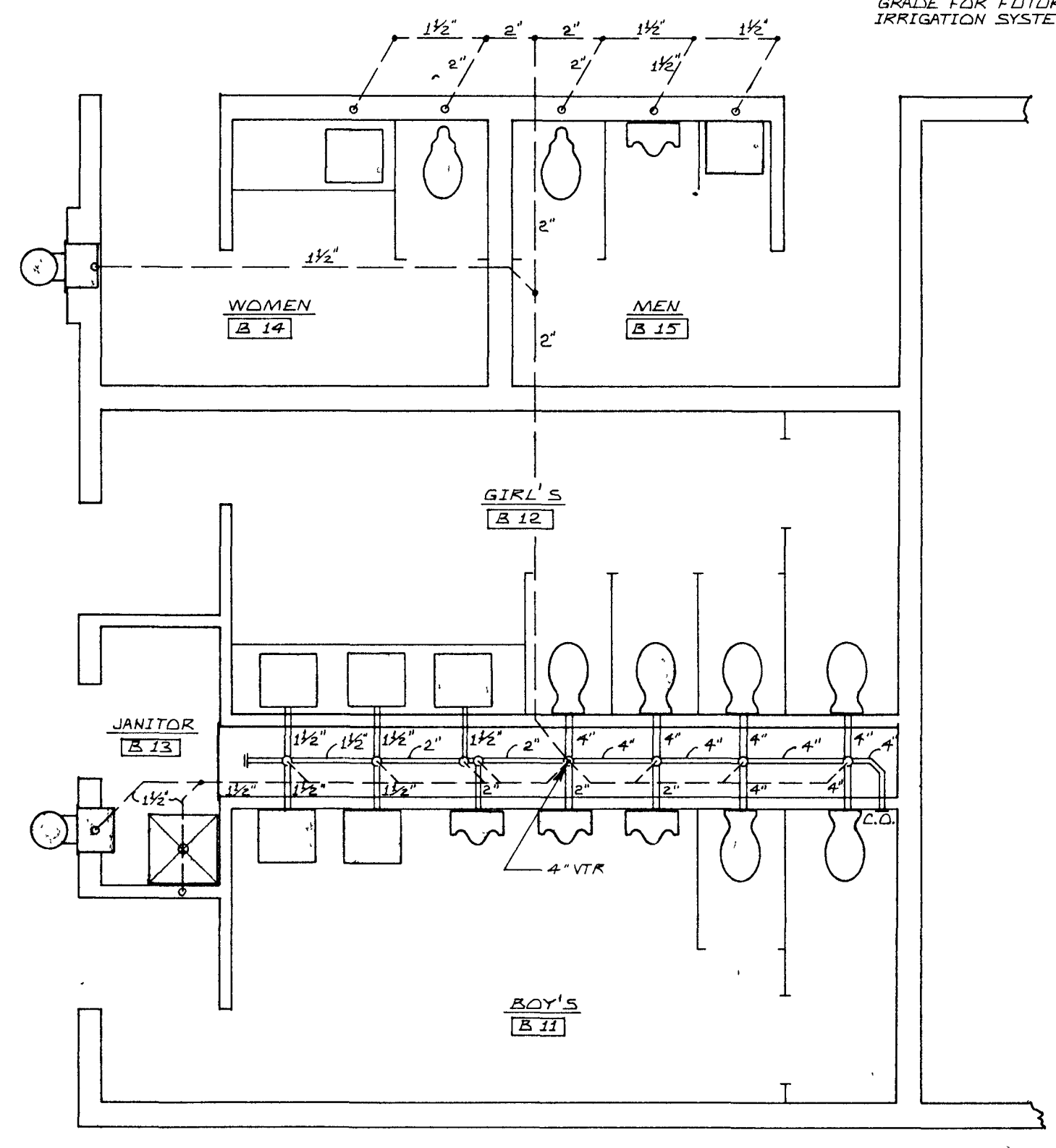
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
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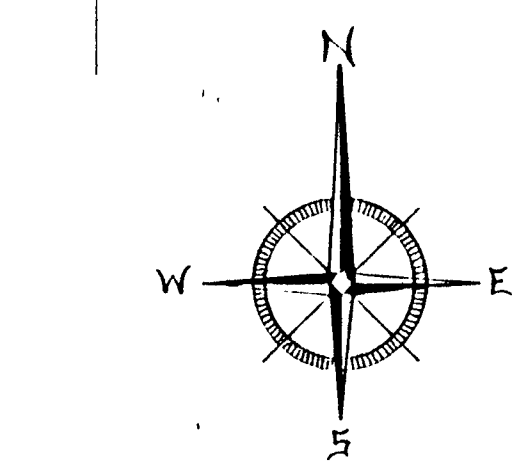
P9



WASTE & VENT DIAGRAM
TOILET ROOMS B.11 & B.12

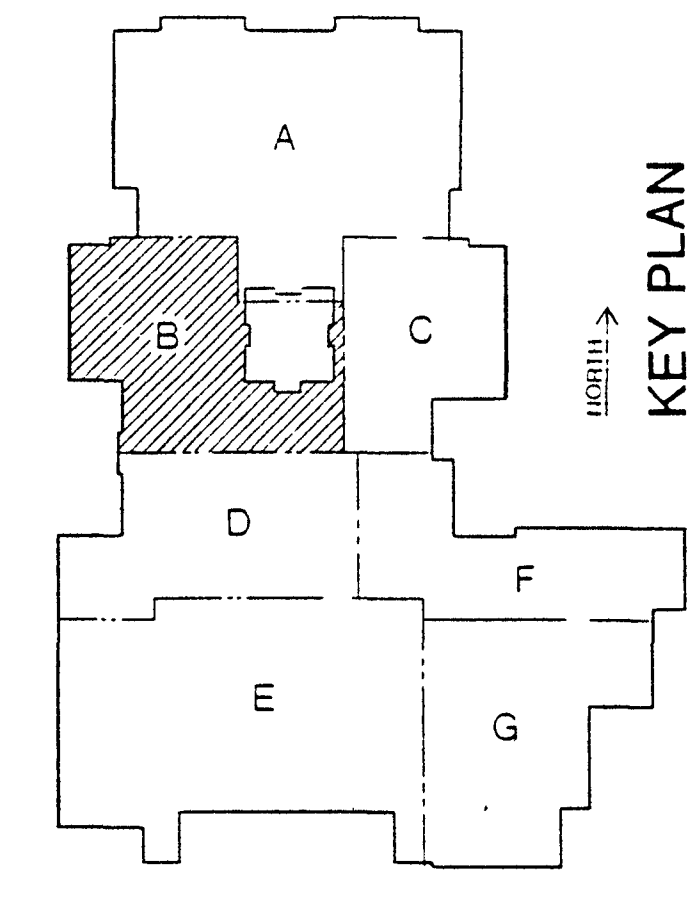


1/4\"/>



UNIT 'B' PLUMBING PLAN
SCALE: 1/8\"/>

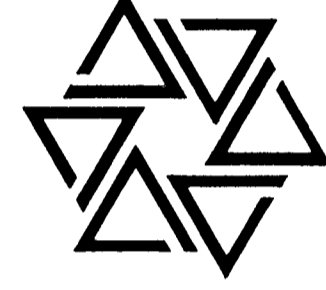
KEY PLAN





Don D. Stinson

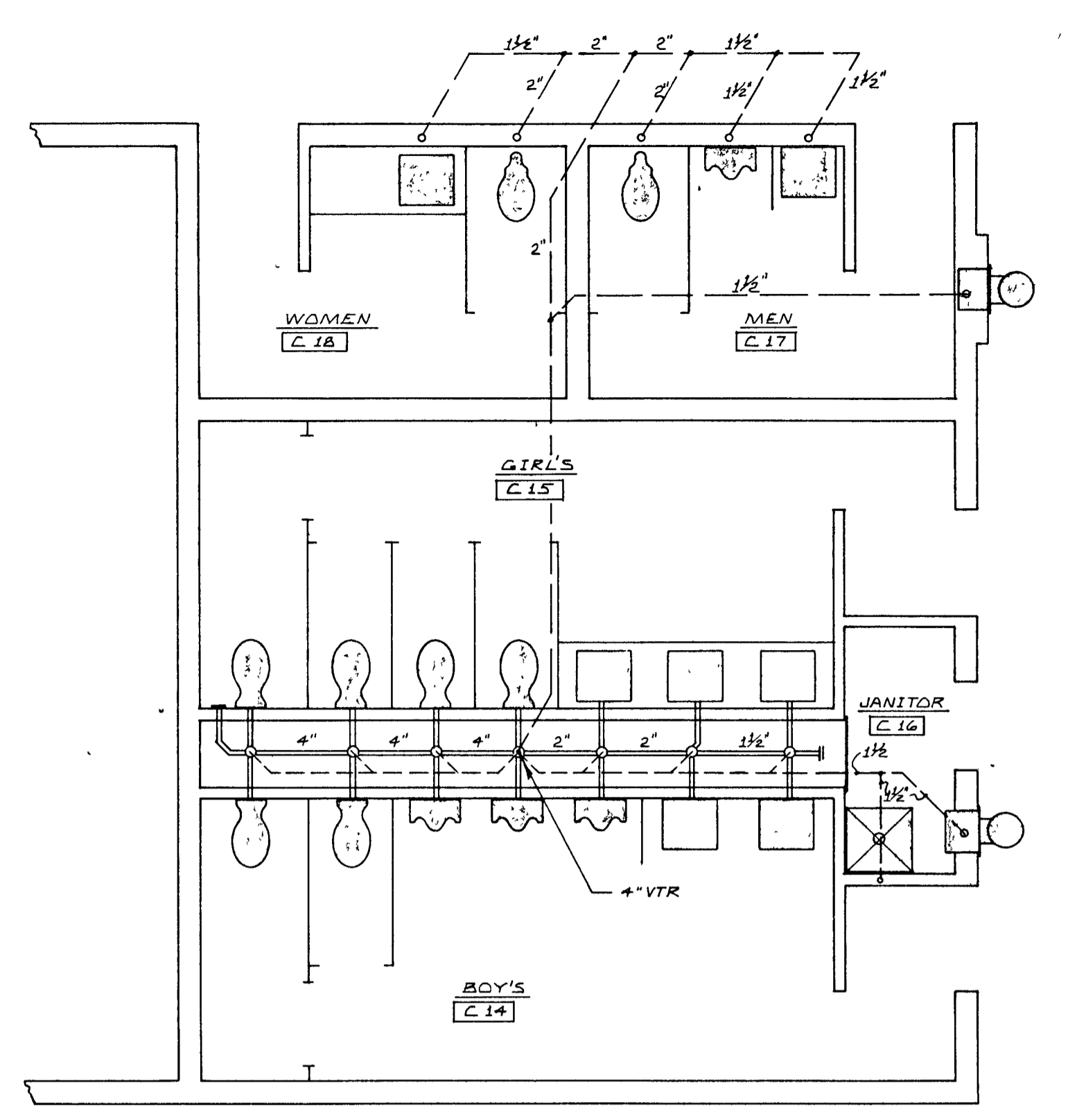
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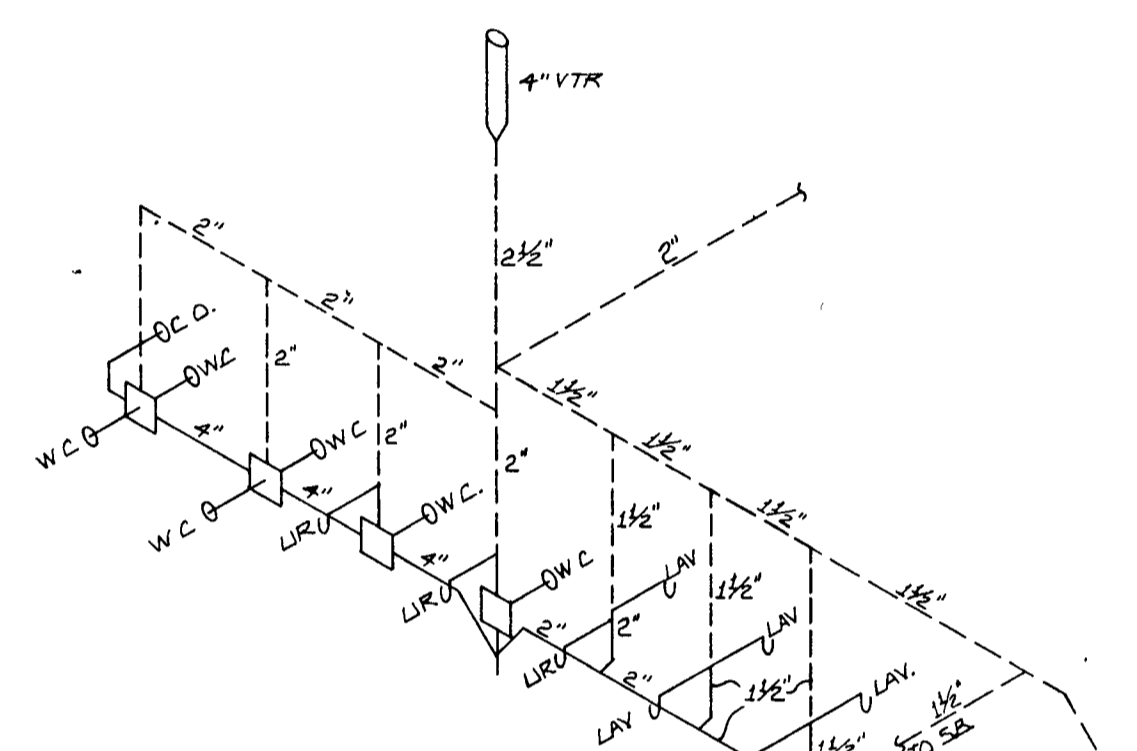
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P10



1/4 SCALE PLAN
TOILET ROOMS C.14 & C.15

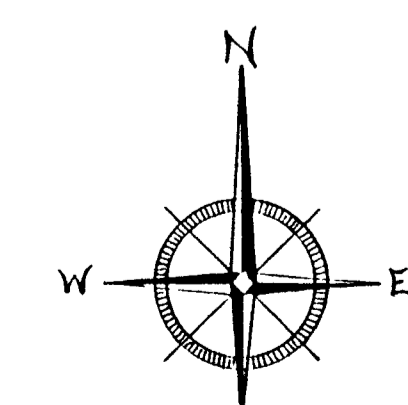
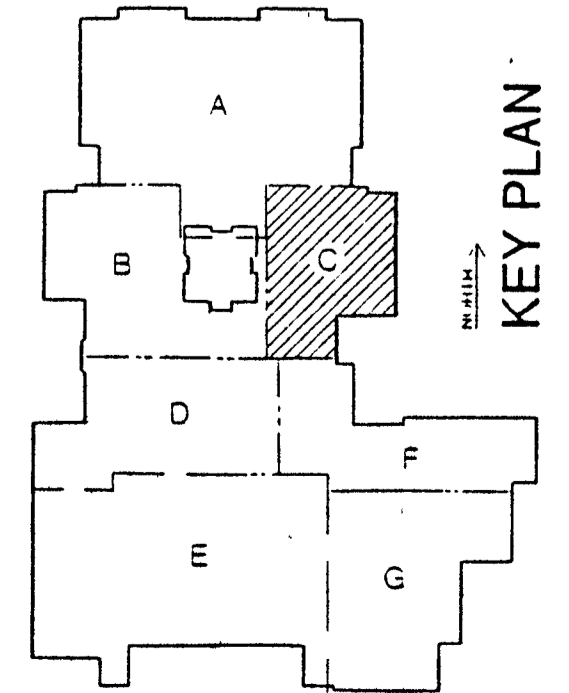
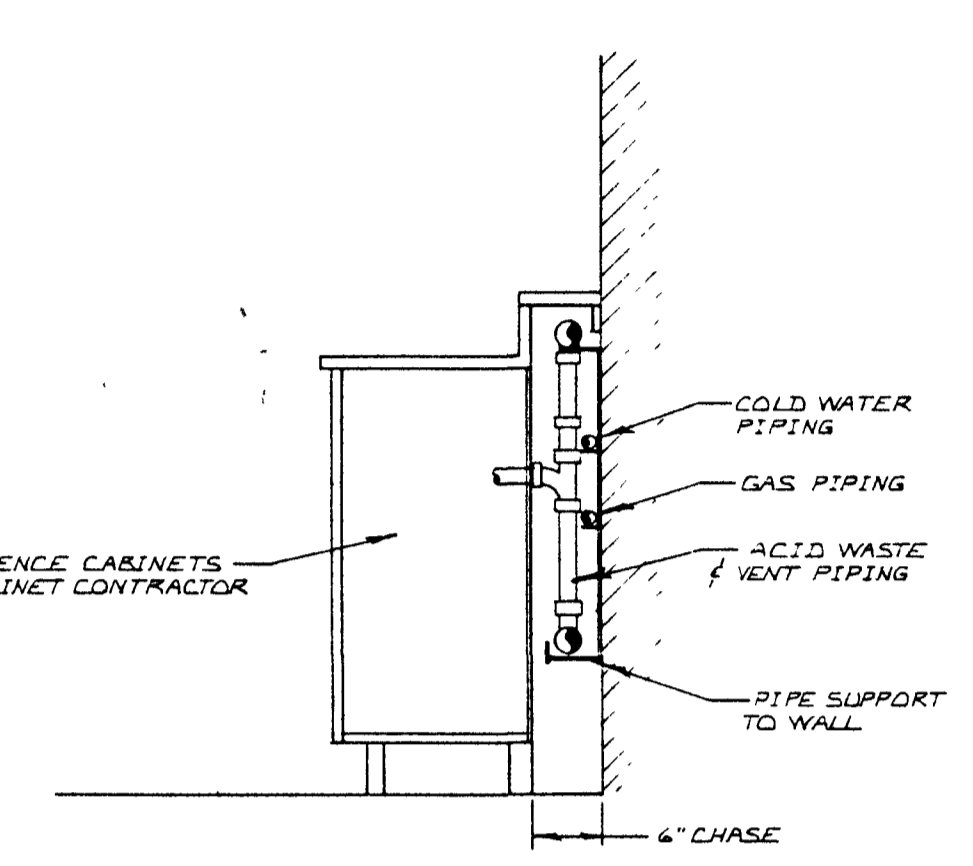
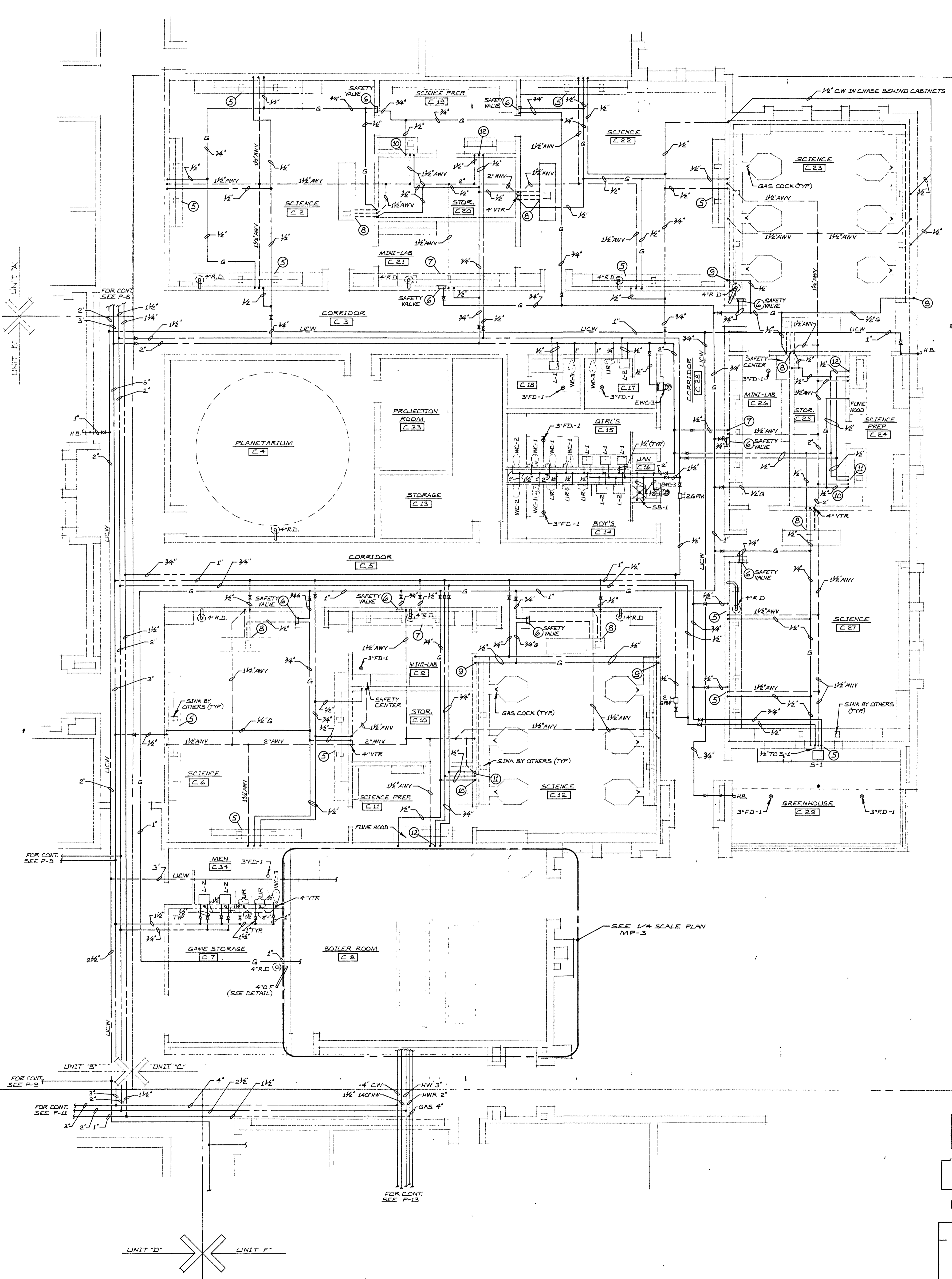


WASTE & VENT DIAGRAM
TOILET ROOMS C.14 & C.15

NOTE:
SHADED FIXTURES ARE TO BE
PROVIDED BY R.C.

PLUMBING NOTES

- 1 Supply 1/2" hot water and 1/2" cold water to each sink unit.
- 2 Supply 1/2" hot water and 1/2" cold water to dish washer unit.
- 3 Furnish and supply 3/4" drip leg and shut off valve, run gas line thru cabinets to range and supply flexible pipe and pipe up range as required.
- 4 Run 3/4" gas line down wall with drip leg and ball valve; supply flex connector to dryer as required.
- 5 Provide 1/2" cold water, 1-1/2" acid waste connections with P-Trap and 1-1/2" vents to two (2) laboratory sinks and faucets supplied by others. Provide 1/2" gas connections to one double and two single gas cocks in the table top. Run piping concealed in cabinetry.
- 6 Furnish and install steel flush mounted wall box with lockable door in block wall to house safety ball valve; provide quarter turn ball valve with mounted tag to indicate open and closed position. Provide tag on outside of door "Gas Safety Valve". Mount at 48" to centerline.
- 7 Provide 1/2" cold water, 1-1/2" acid waste connections with P-Trap and 1-1/2" vent to three (3) laboratory sinks and faucets supplied by others. Provide 1/2" gas connections to two double and two single gas cocks in the table top. Run piping concealed in cabinetry.
- 8 Provide 1/2" cold water, 1-1/2" acid waste connection with P-Trap, 1-1/2" return vent and 1/2" gas under floor to instructors island sink, faucets and gas cock provided by others.
- 9 Route 1/2" cold water, 1/2" gas to two sinks and three gas cocks in 6 inch chase provided. Furnish P-Trap and make 1-1/2" waste connection to sink provided by others; route 1-1/2" acid waste vent as shown. See Detail P-10.
- 10 Route 1/2" gas to gas cock in counter top; provide 1/2" ball valve with locking device under counter.
- 11 Provide 1/2" cold water, 1/2" hot water, 1-1/2" acid waste connection with P-Trap and 1-1/2" vent for sinks and faucets - supplied by others.
- 12 Provide 1/2" cold water and 1/2" hot water to each of three faucets - supplied by others. Provide 1-1/2" acid waste connection with P-Trap and 1-1/2" vent for sink - supplied by others.

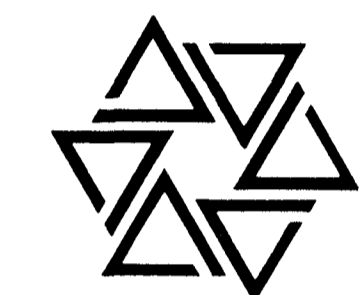


UNIT 'C' PLUMBING PLAN
SCALE: 1/8" = 1'-0"



Don D. Stimpert

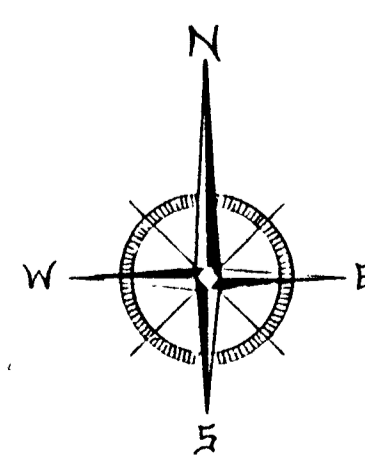
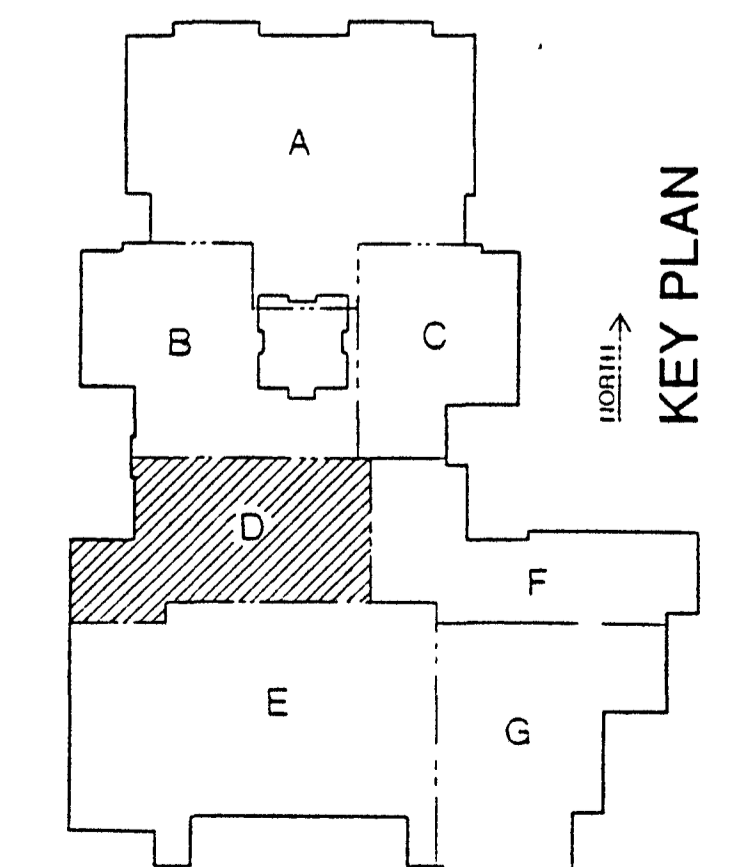
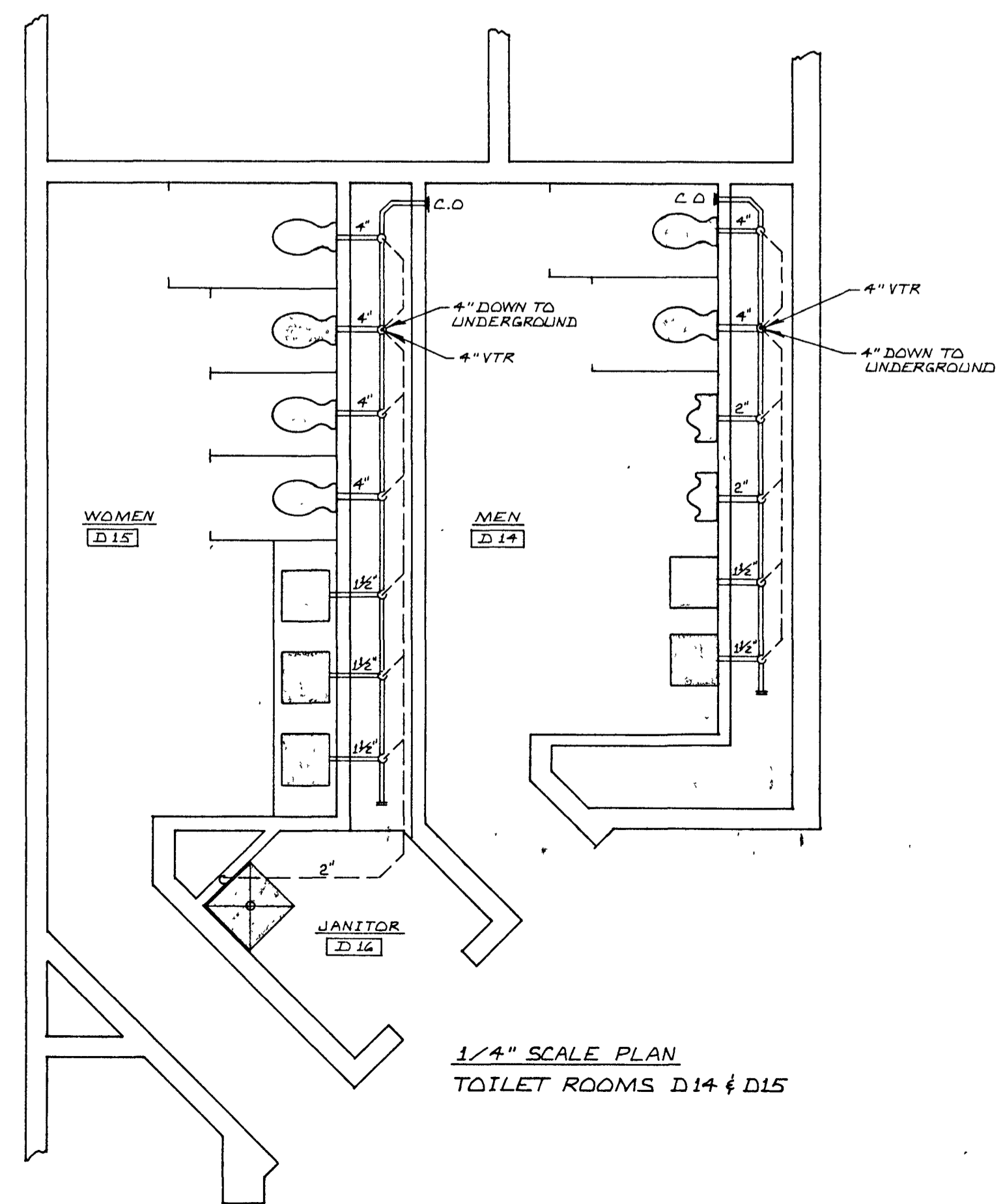
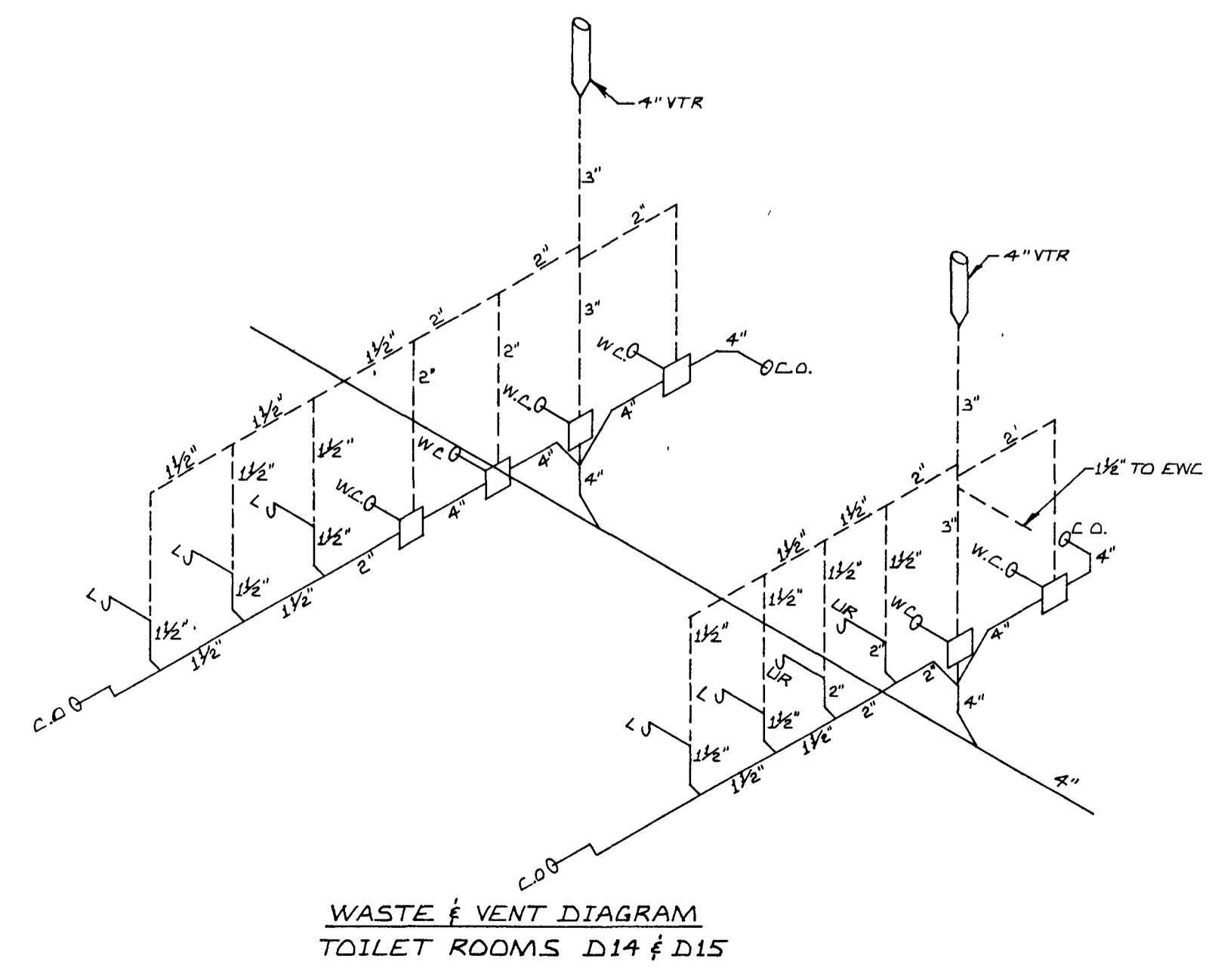
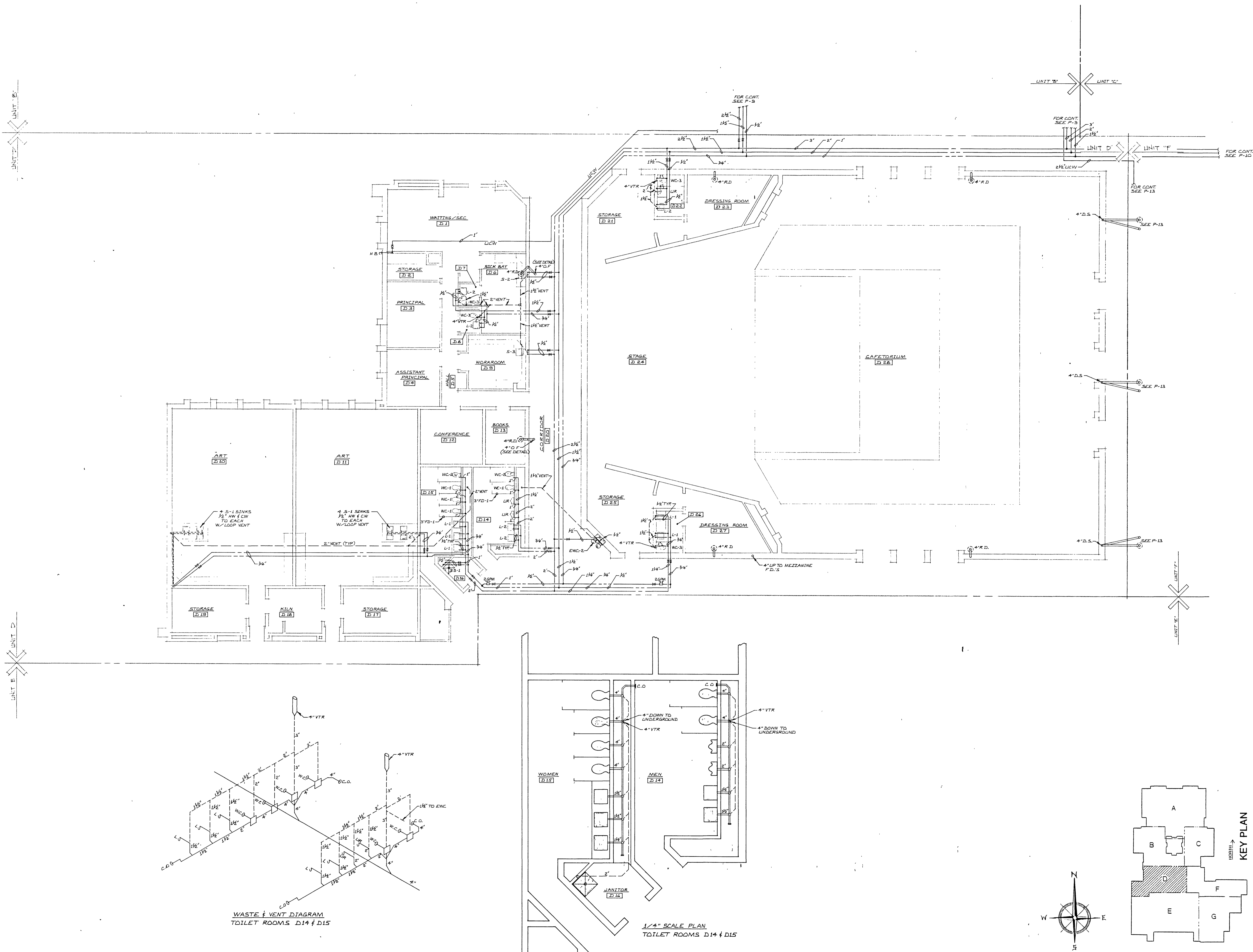
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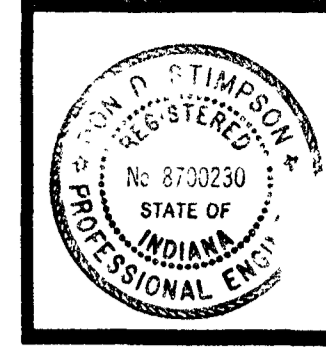
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WAWASEE COMMUNITY SCHOOL CORP.
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P11

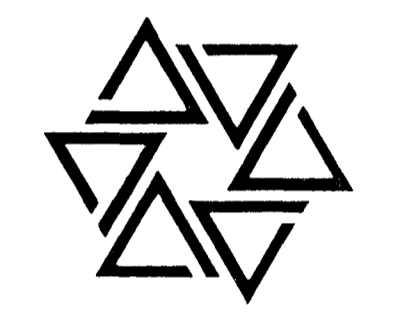


UNIT 'D' PLUMBING PLAN
SCALE 1/8" = 1'-0"



Dan D. Hanning

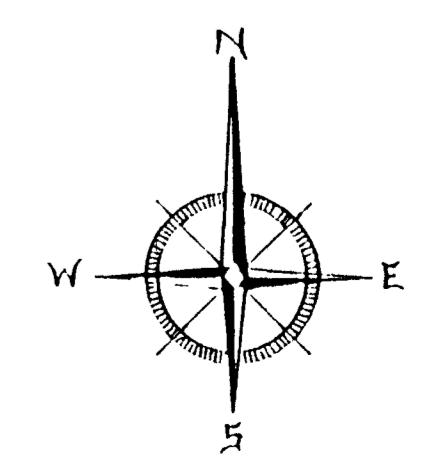
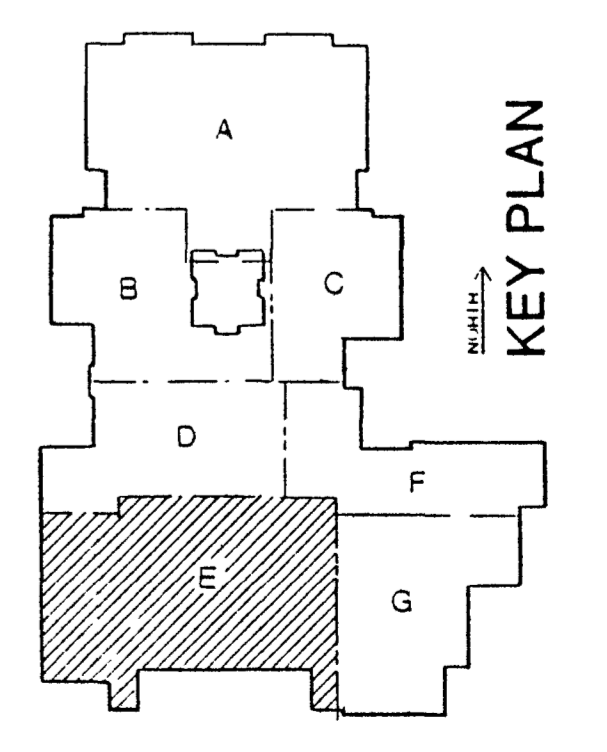
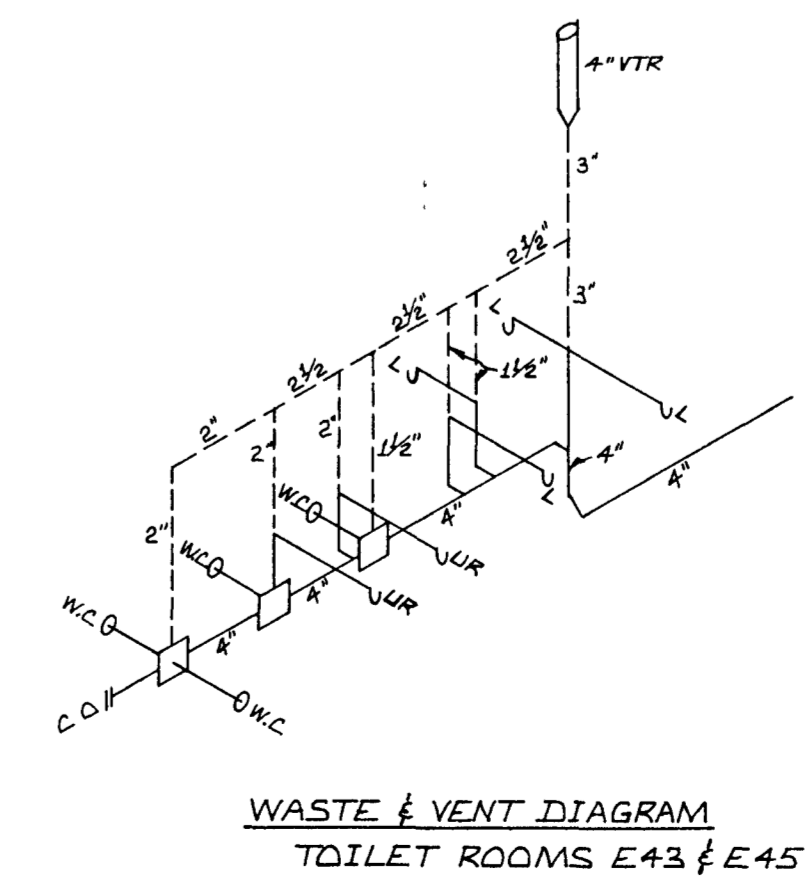
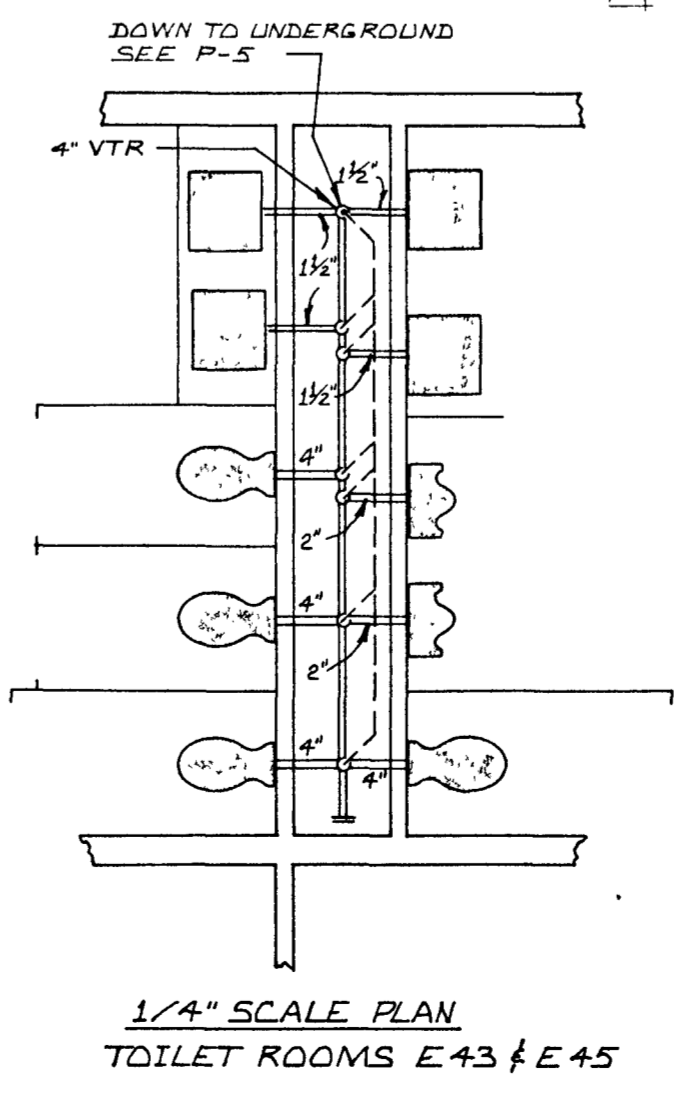
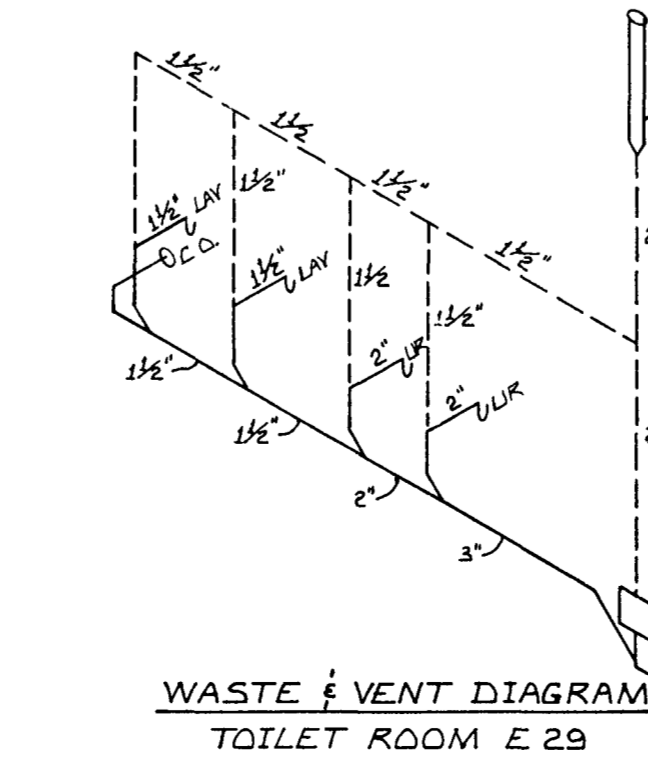
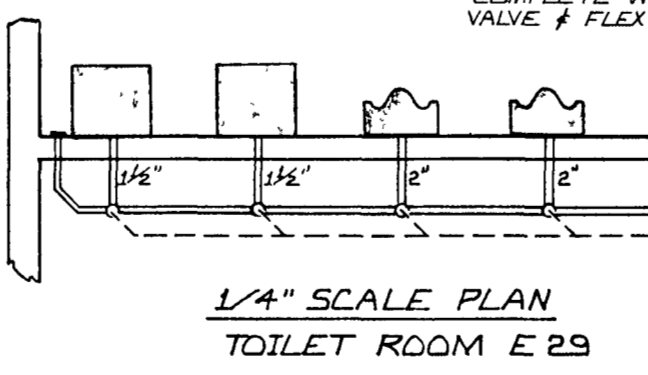
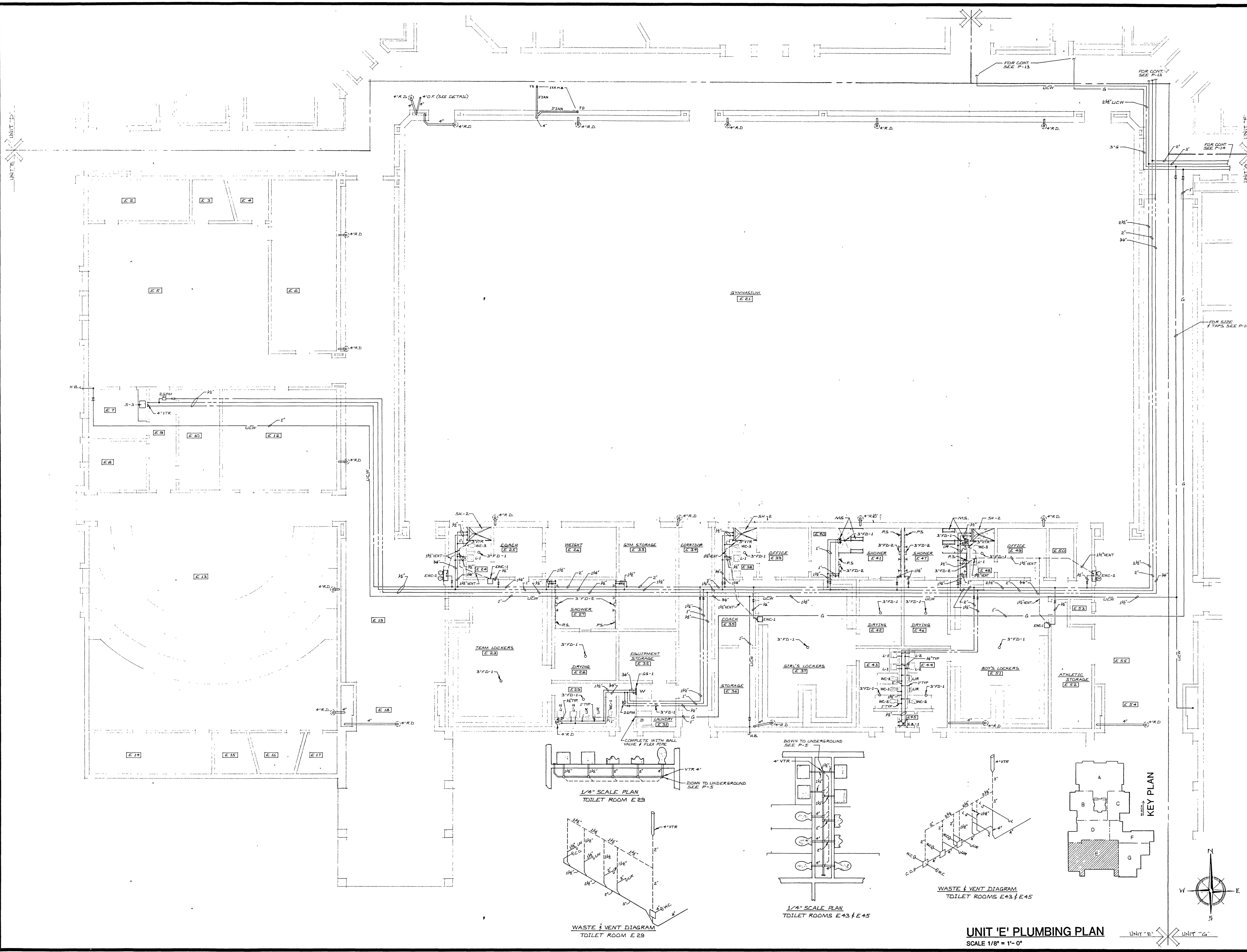
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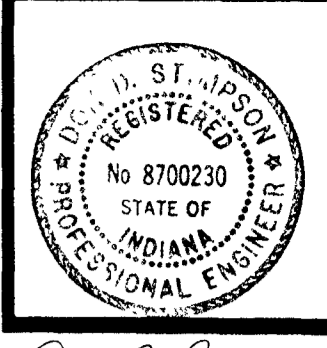
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
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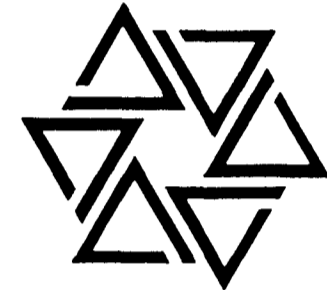
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UNIT 'E' PLUMBING PLAN
SCALE 1/8" = 1'-0"



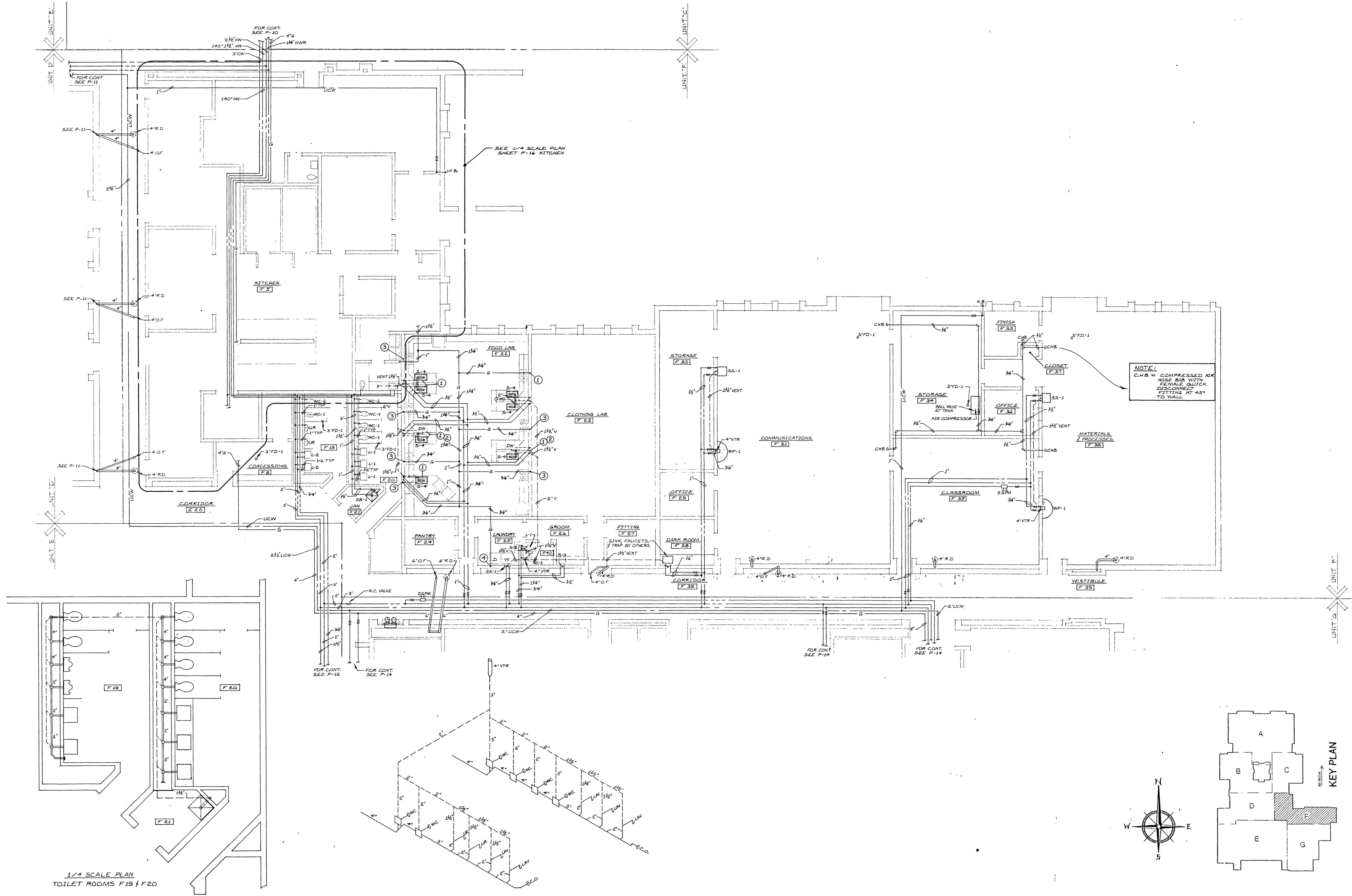
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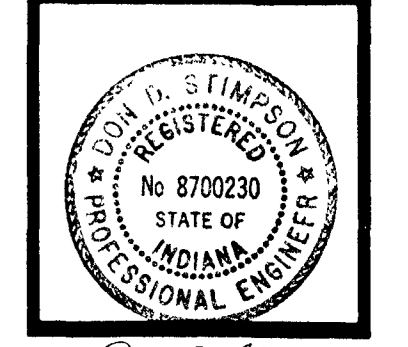


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SYRACUSE, INDIANA

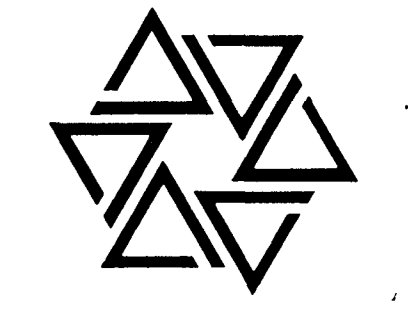
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P13





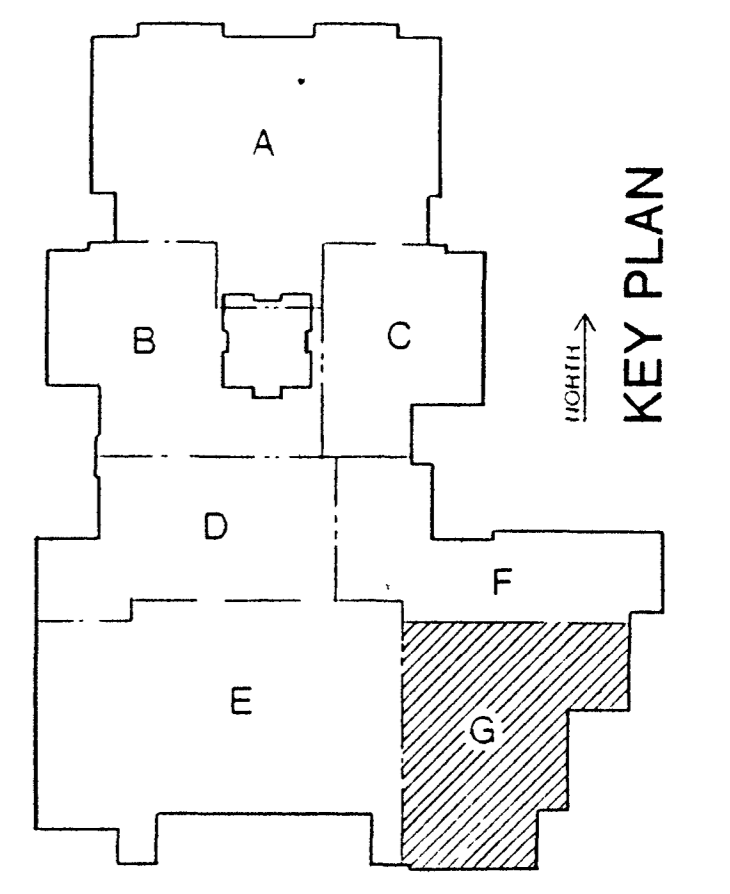
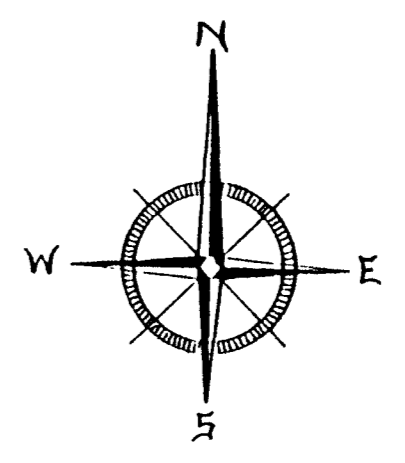
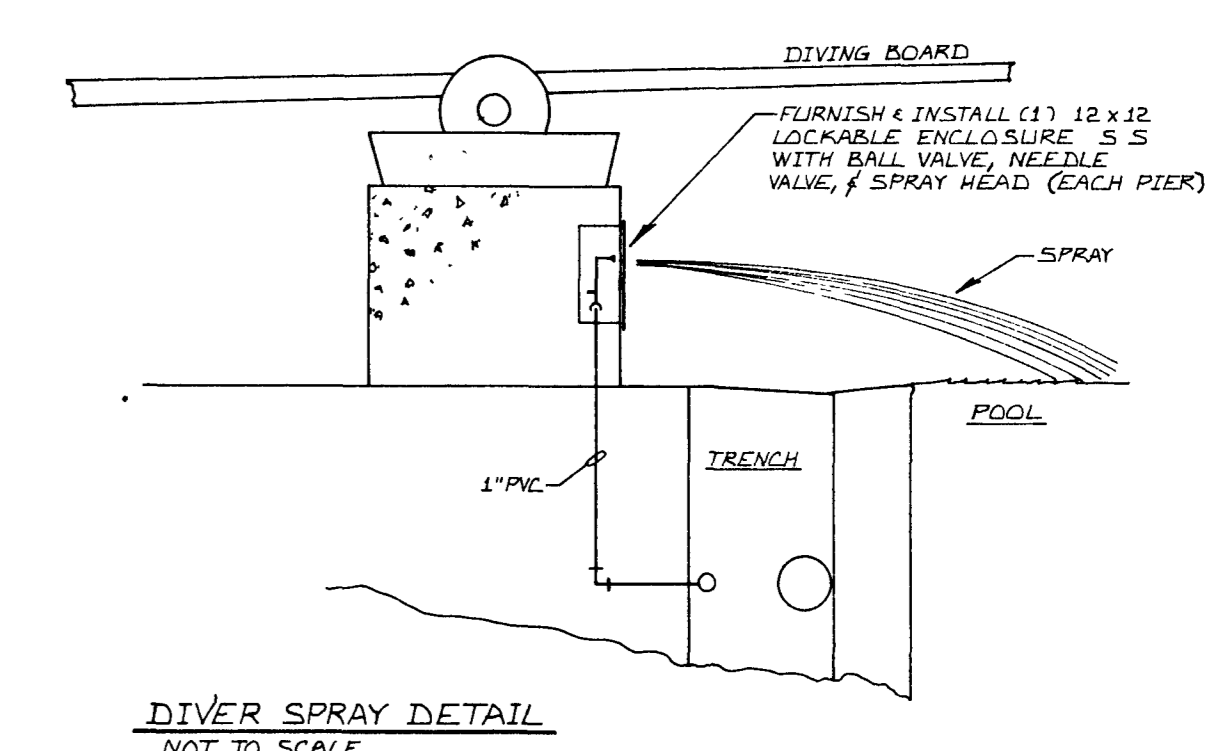
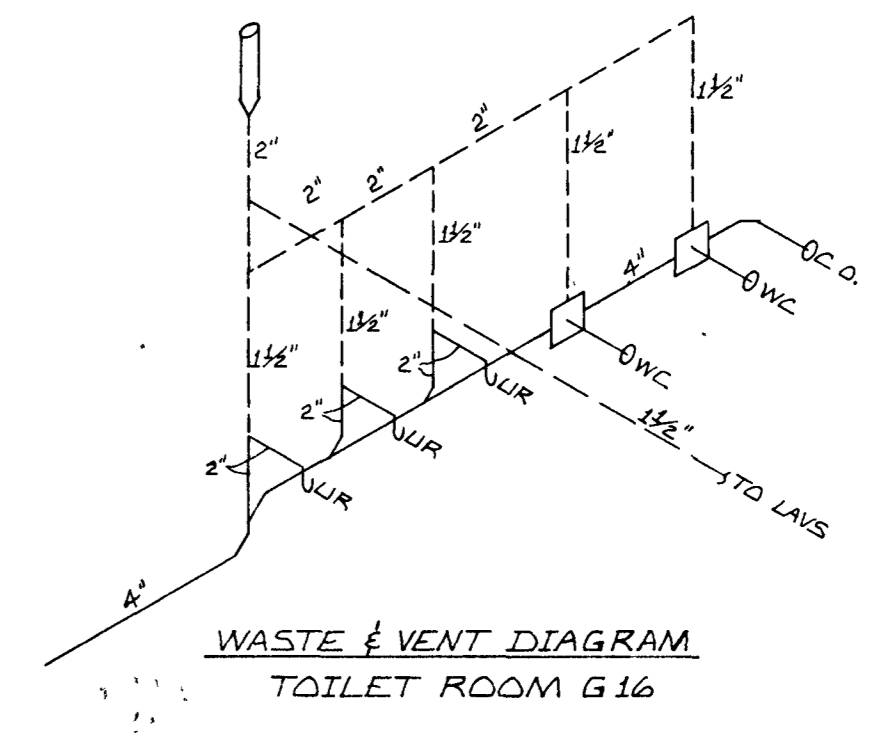
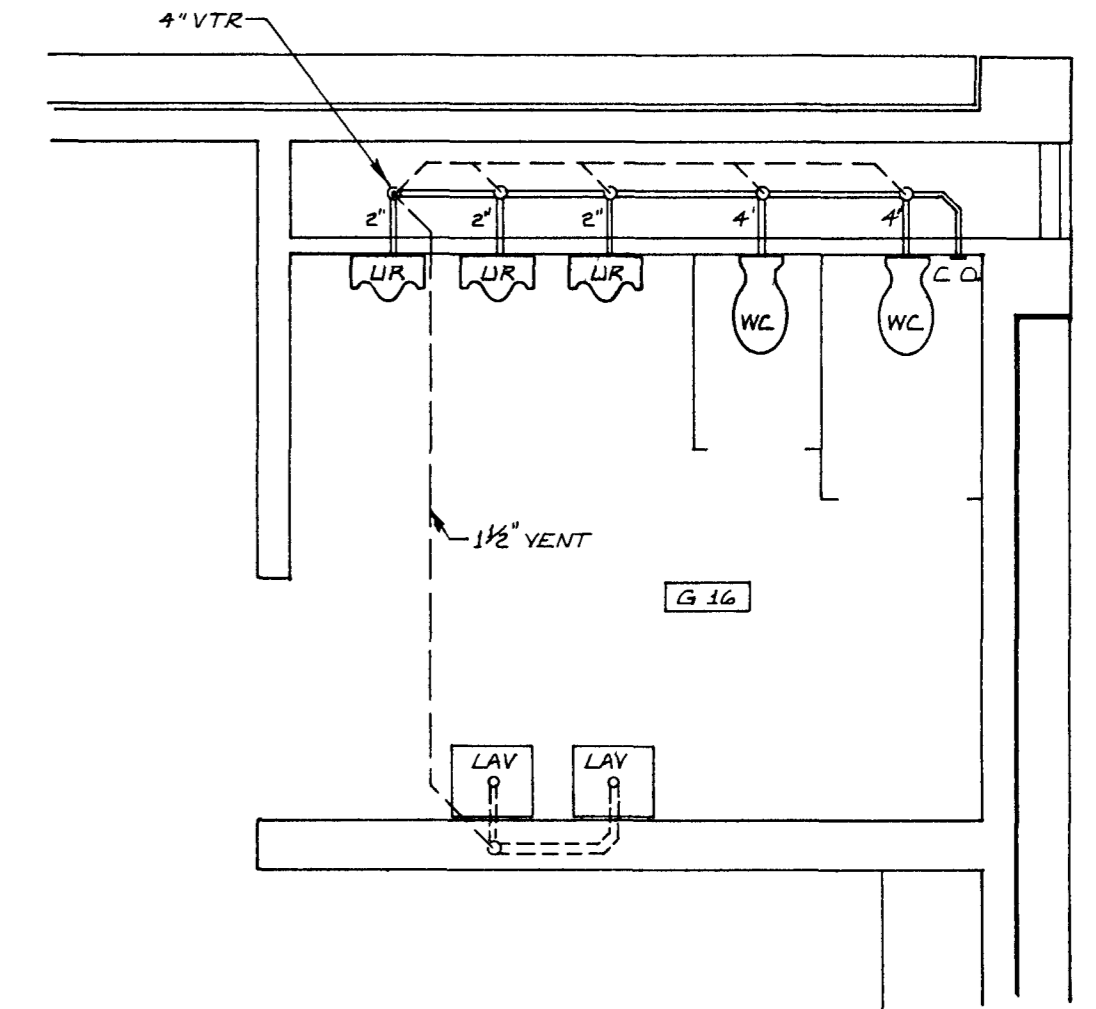
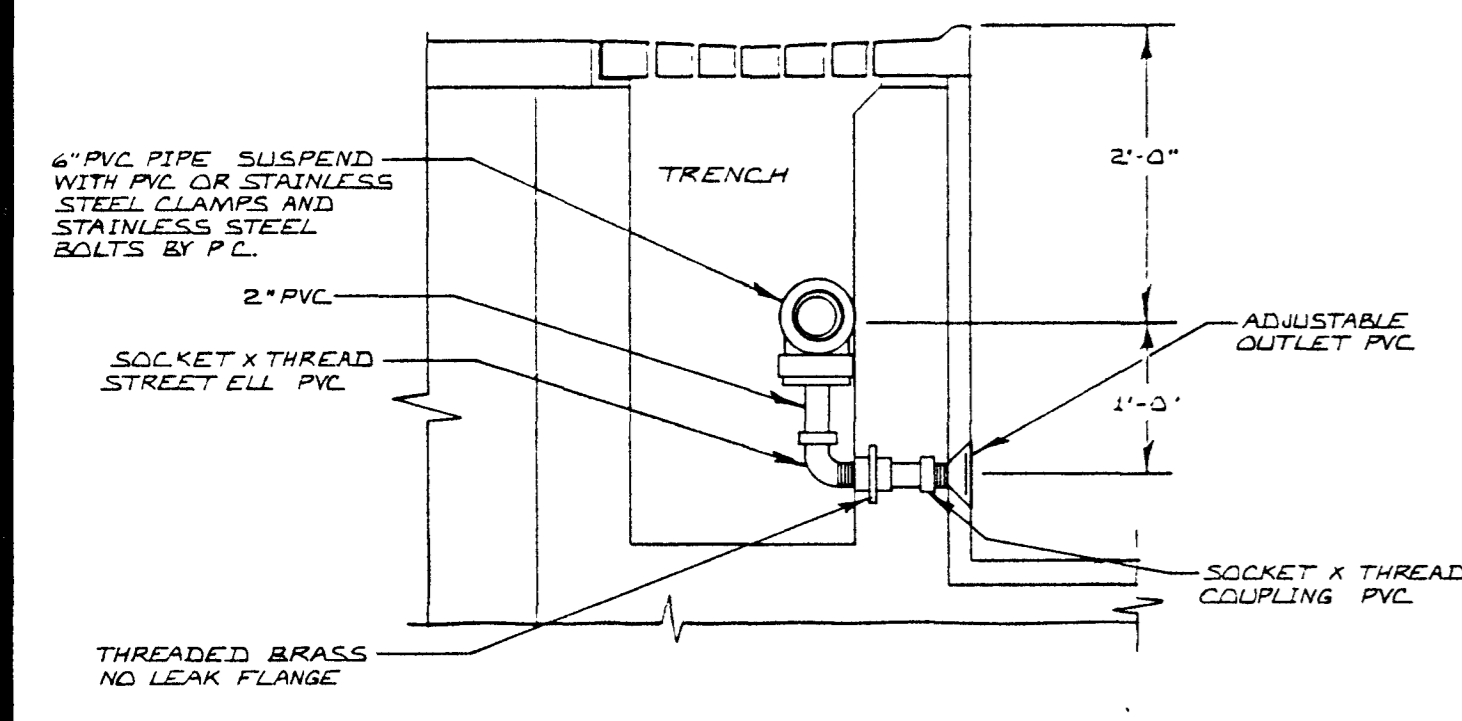
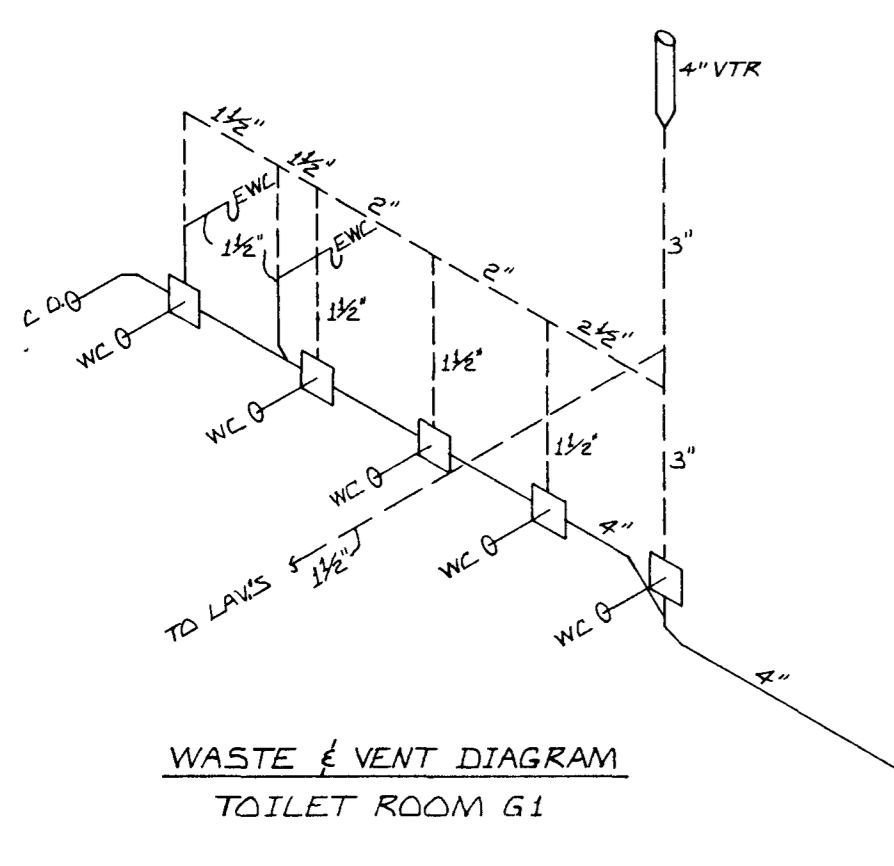
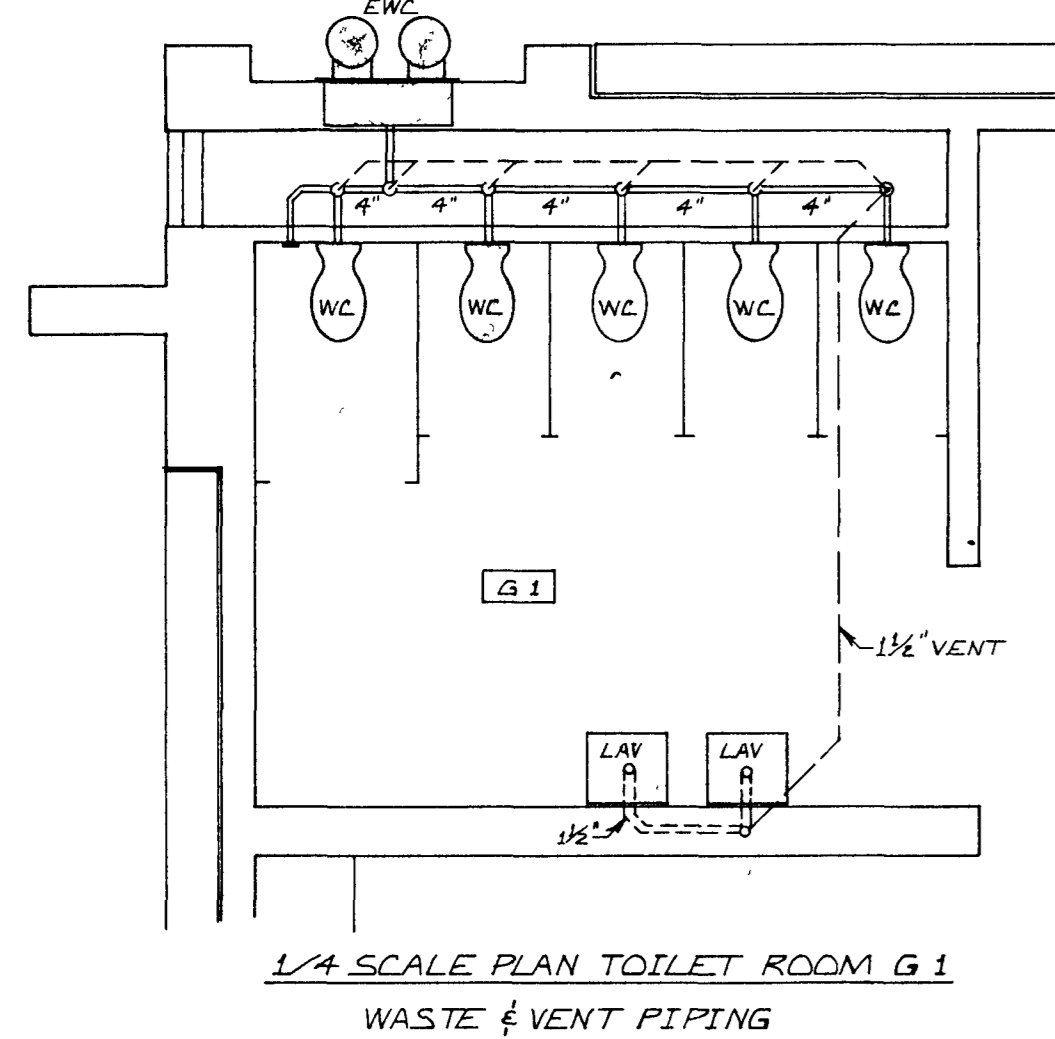
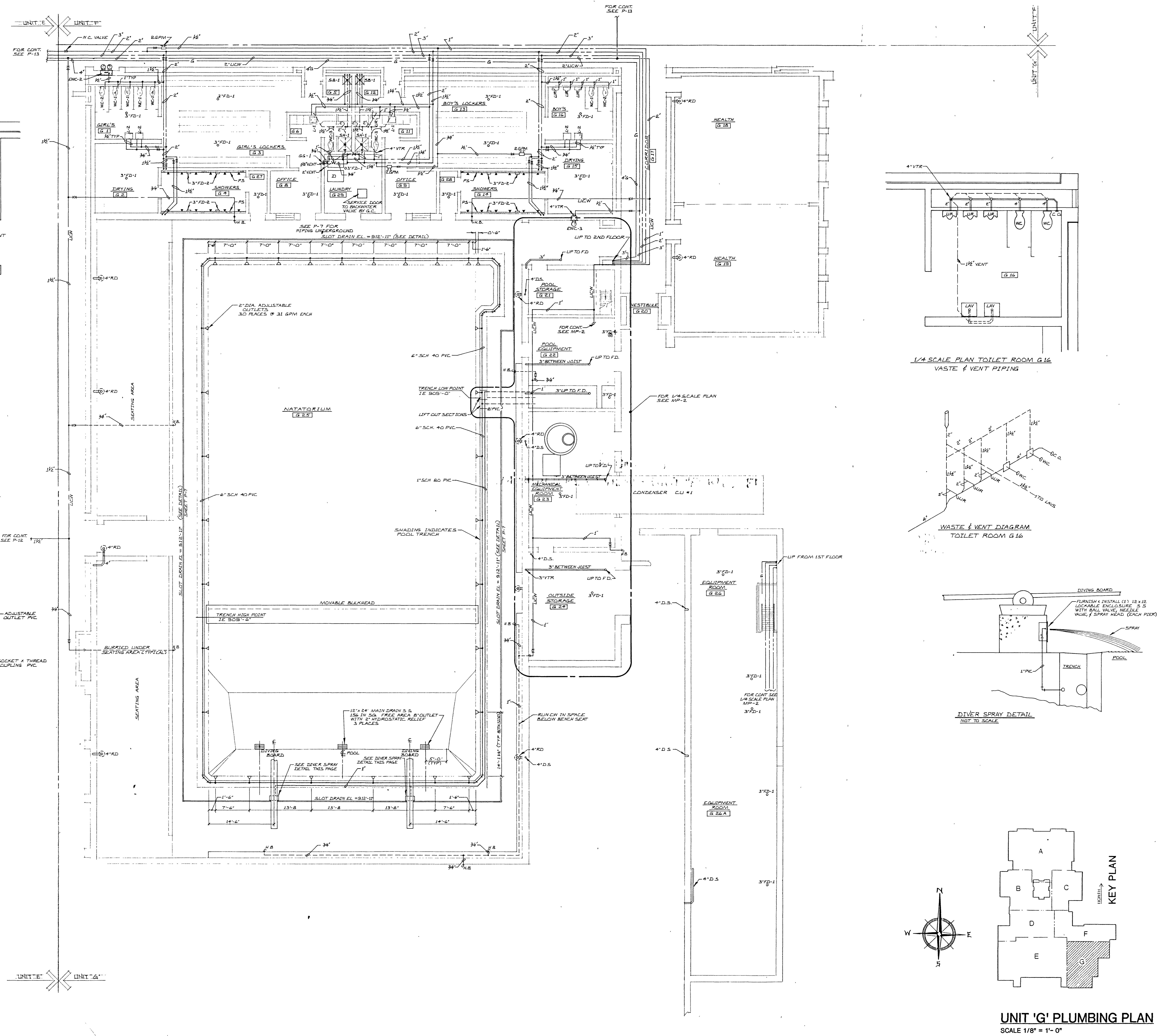
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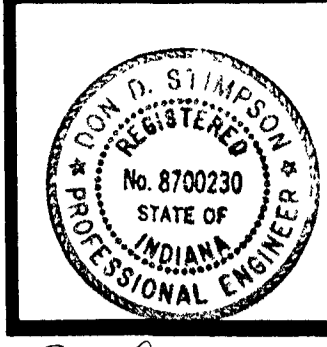
**WAWASEE MIDDLE SCHOOL
 WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA**

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P14

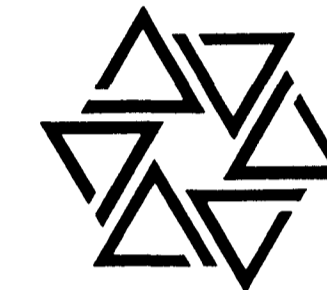


UNIT 'G' PLUMBING PLAN
 SCALE 1/8" = 1'-0"



Dr. [Signature]

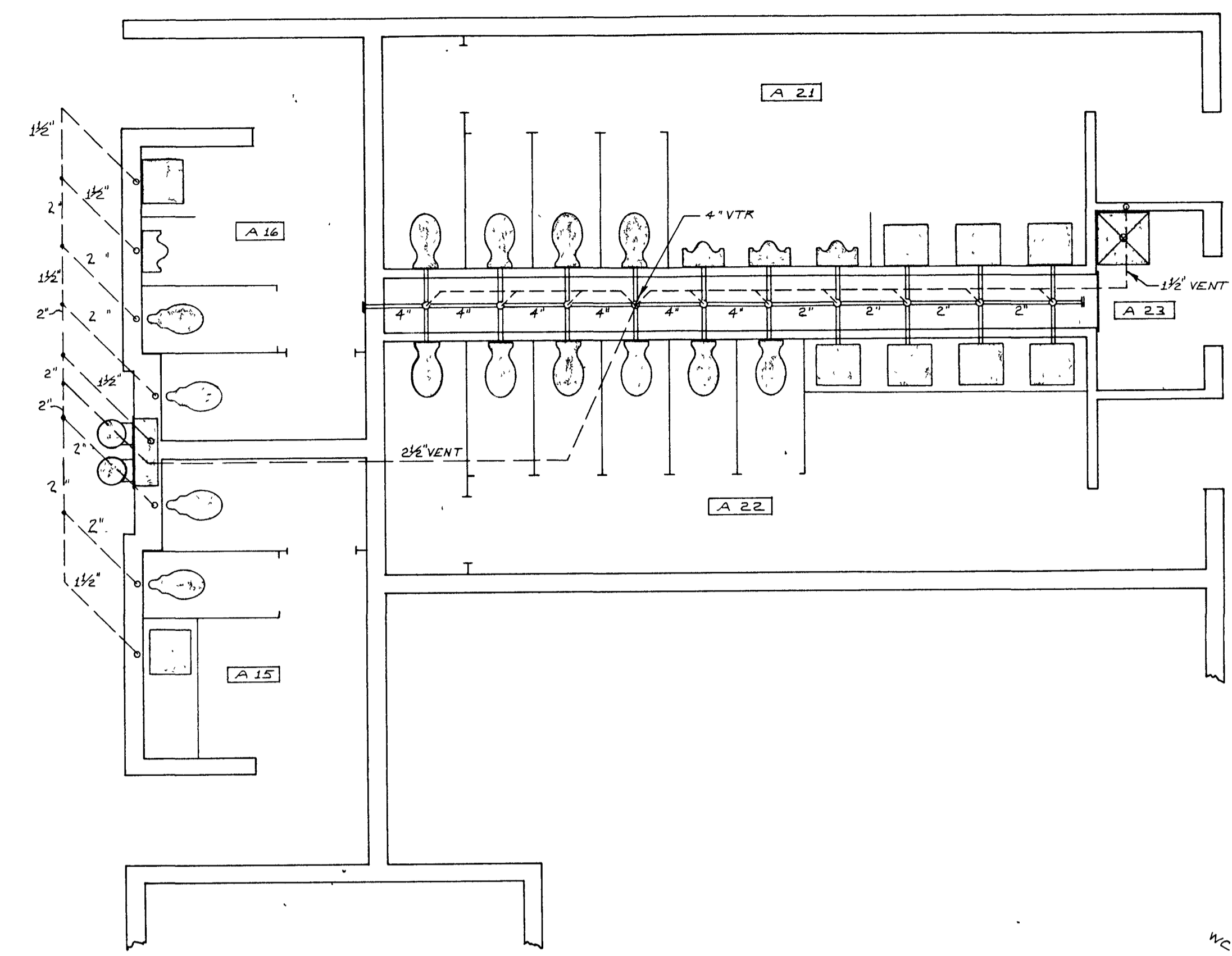
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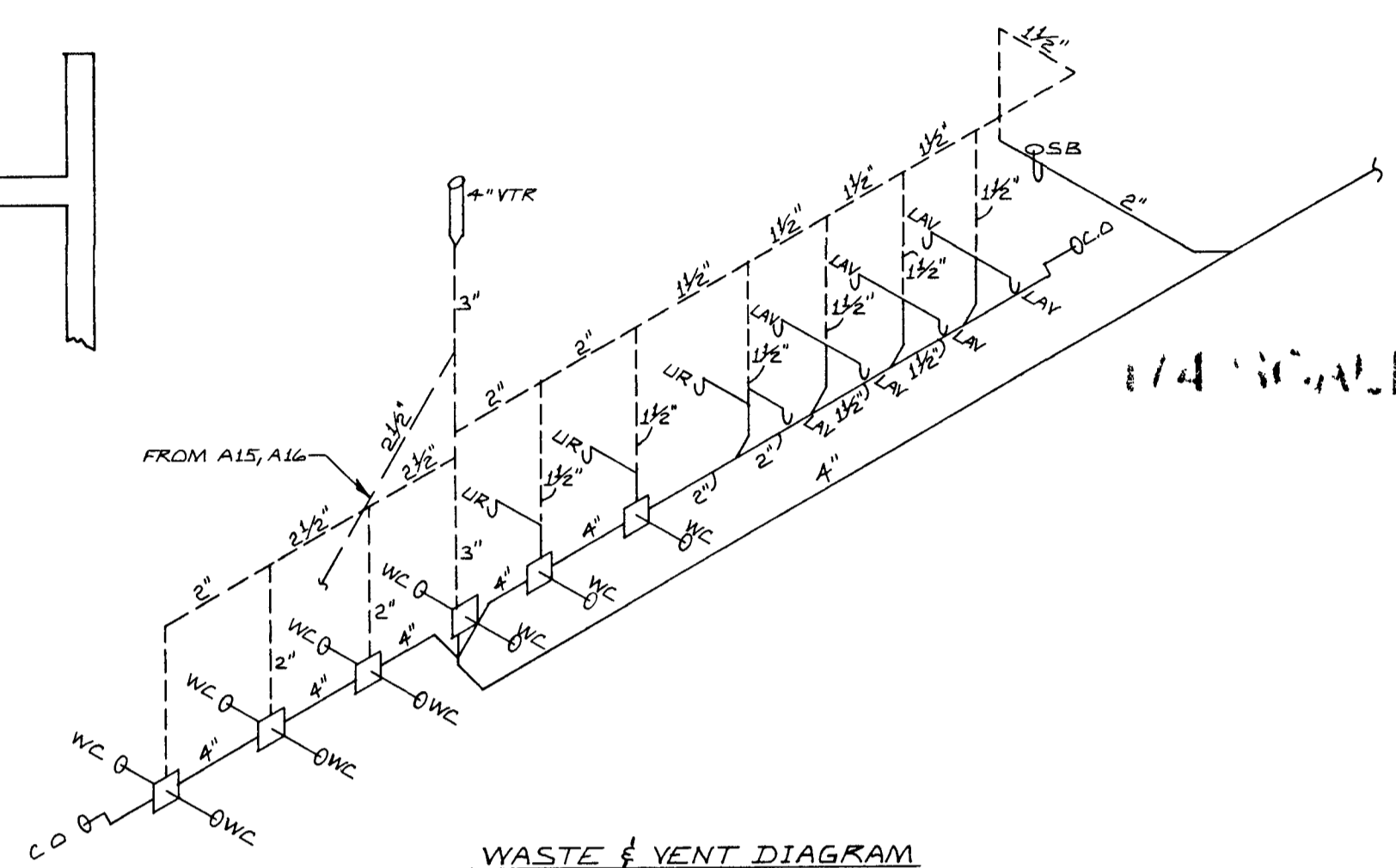
**WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
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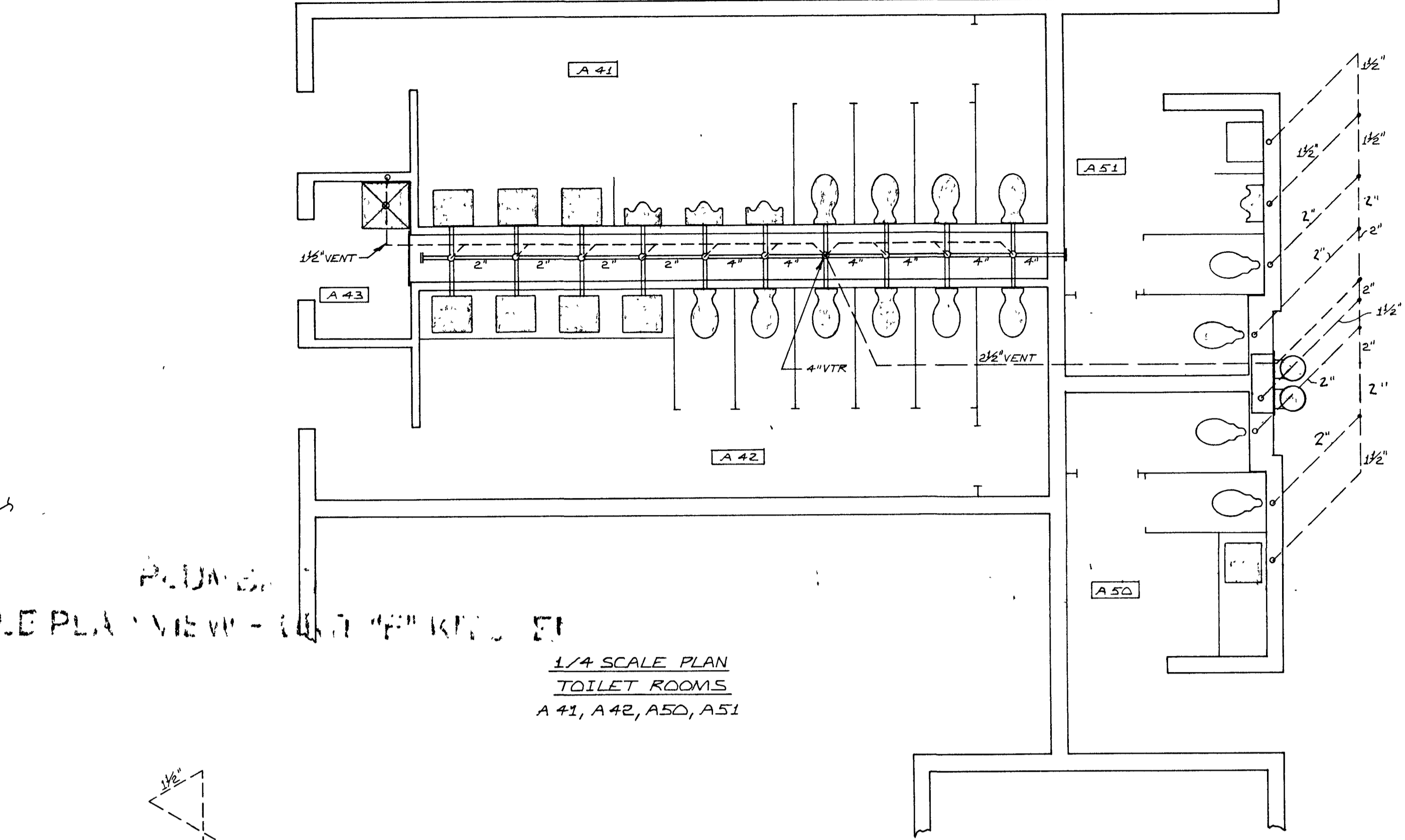
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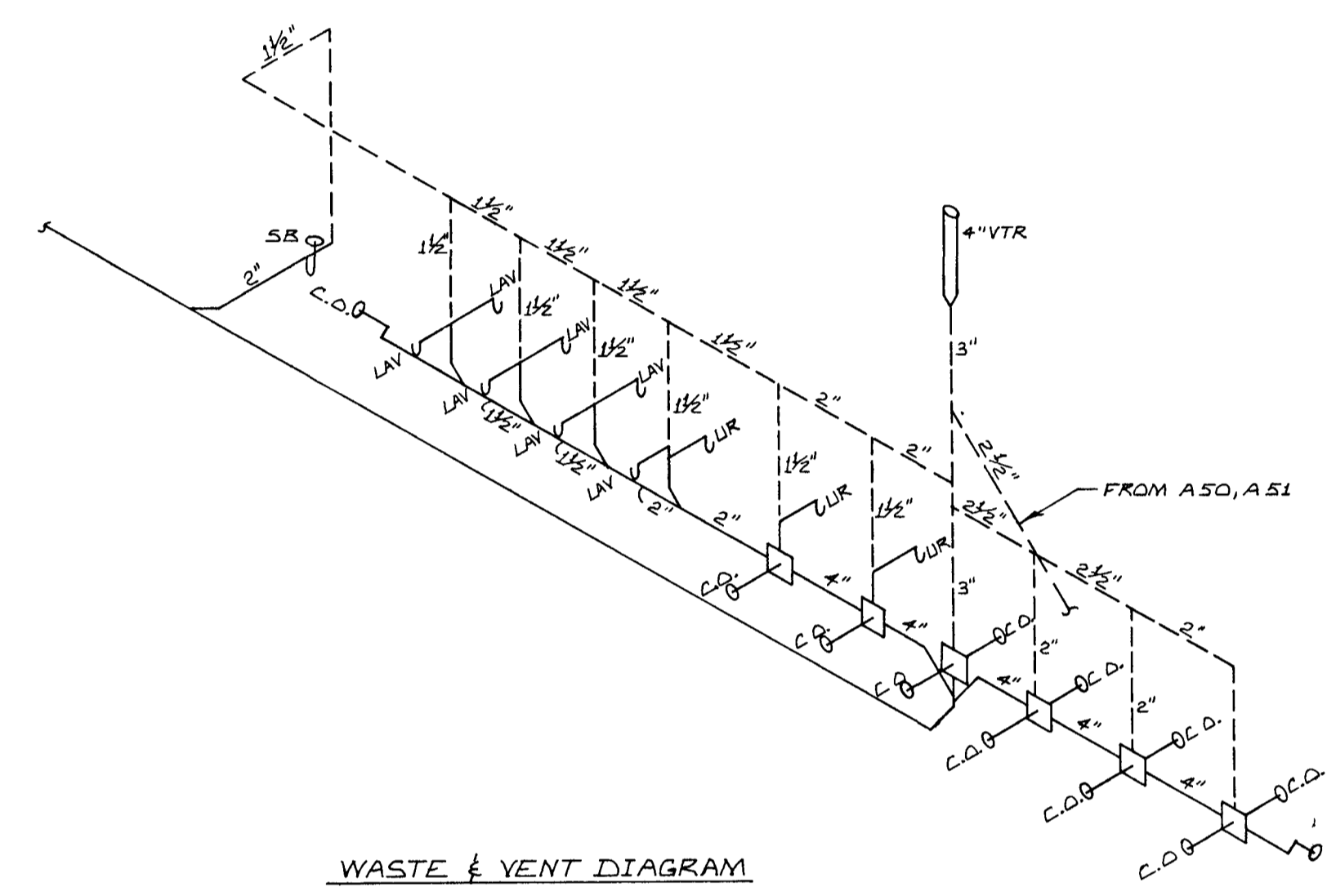
1/4 SCALE PLAN
TOILET ROOMS
A15, A16, A21, A22



WASTE & VENT DIAGRAM
TOILET ROOMS, A21, A22

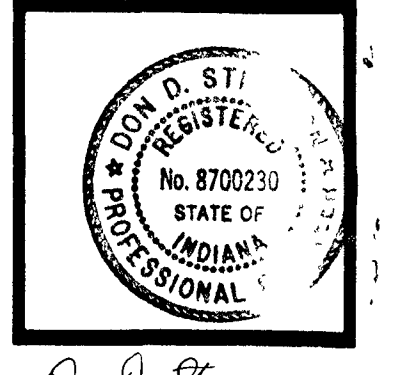


1/4 SCALE PLAN
TOILET ROOMS
A 41, A 42, A50, A51

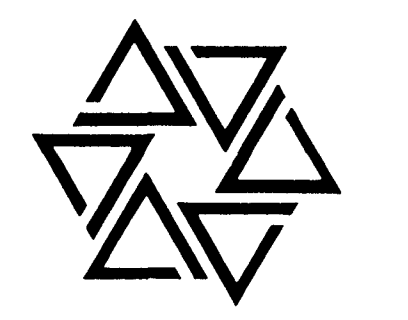


WASTE & VENT DIAGRAM
TOILET ROOMS A 41, A 42

ROOM 101
1/4 SCALE PLAN VIEW - UNIT 'A' TOILET ROOMS



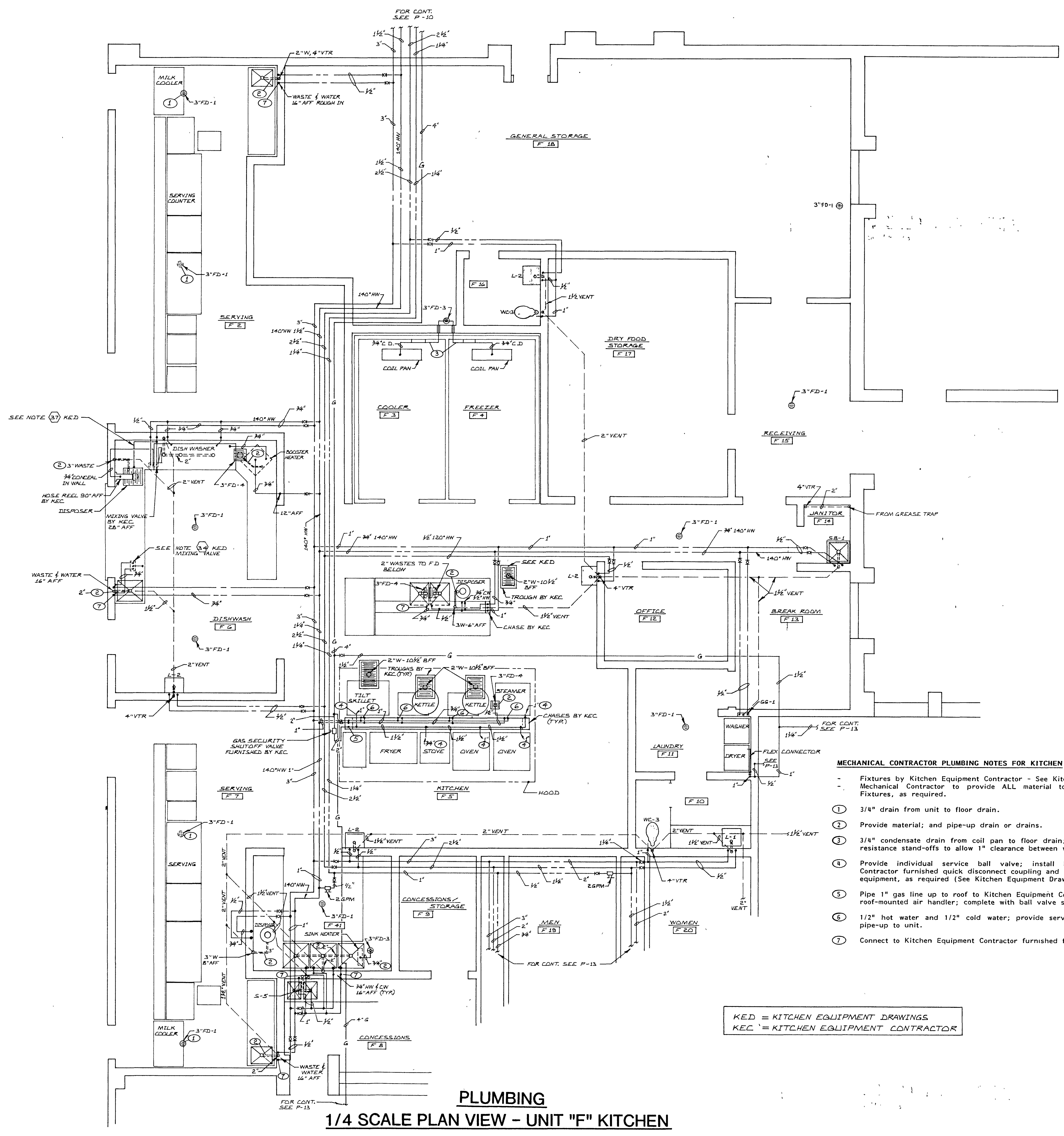
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P16

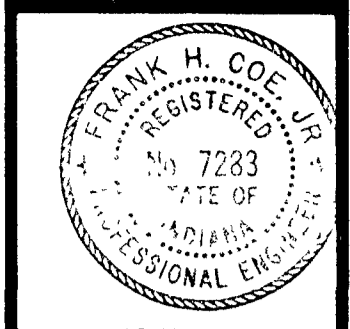


- MECHANICAL CONTRACTOR PLUMBING NOTES FOR KITCHEN**
- Fixtures by Kitchen Equipment Contractor - See Kitchen Drawings
 - Mechanical Contractor to provide ALL material to hook-up Kitchen Fixtures, as required.
 - ① 3/4" drain from unit to floor drain.
 - ② Provide material; and pipe-up drain or drains.
 - ③ 3/4" condensate drain from coil pan to floor drain; provide corrosion resistance stand-offs to allow 1" clearance between walls and piping.
 - ④ Provide individual service ball valve; install Kitchen Equipment Contractor furnished quick disconnect coupling and flexible gas line to equipment, as required (See Kitchen Equipment Drawings).
 - ⑤ Pipe 1" gas line up to roof to Kitchen Equipment Contractor furnished roof-mounted air handler; complete with ball valve shut-off at unit.
 - ⑥ 1/2" hot water and 1/2" cold water; provide service ball valve and pipe-up to unit.
 - ⑦ Connect to Kitchen Equipment Contractor furnished faucets.

KED = KITCHEN EQUIPMENT DRAWINGS
KEC = KITCHEN EQUIPMENT CONTRACTOR

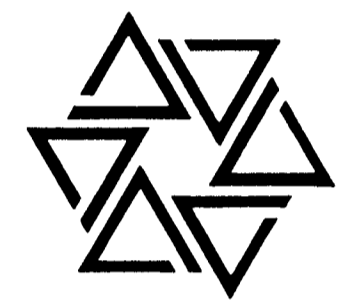
PLUMBING
1/4 SCALE PLAN VIEW - UNIT "F" KITCHEN

KITCHEN PLUMBING PLAN
SCALE 1/4" = 1'-0"



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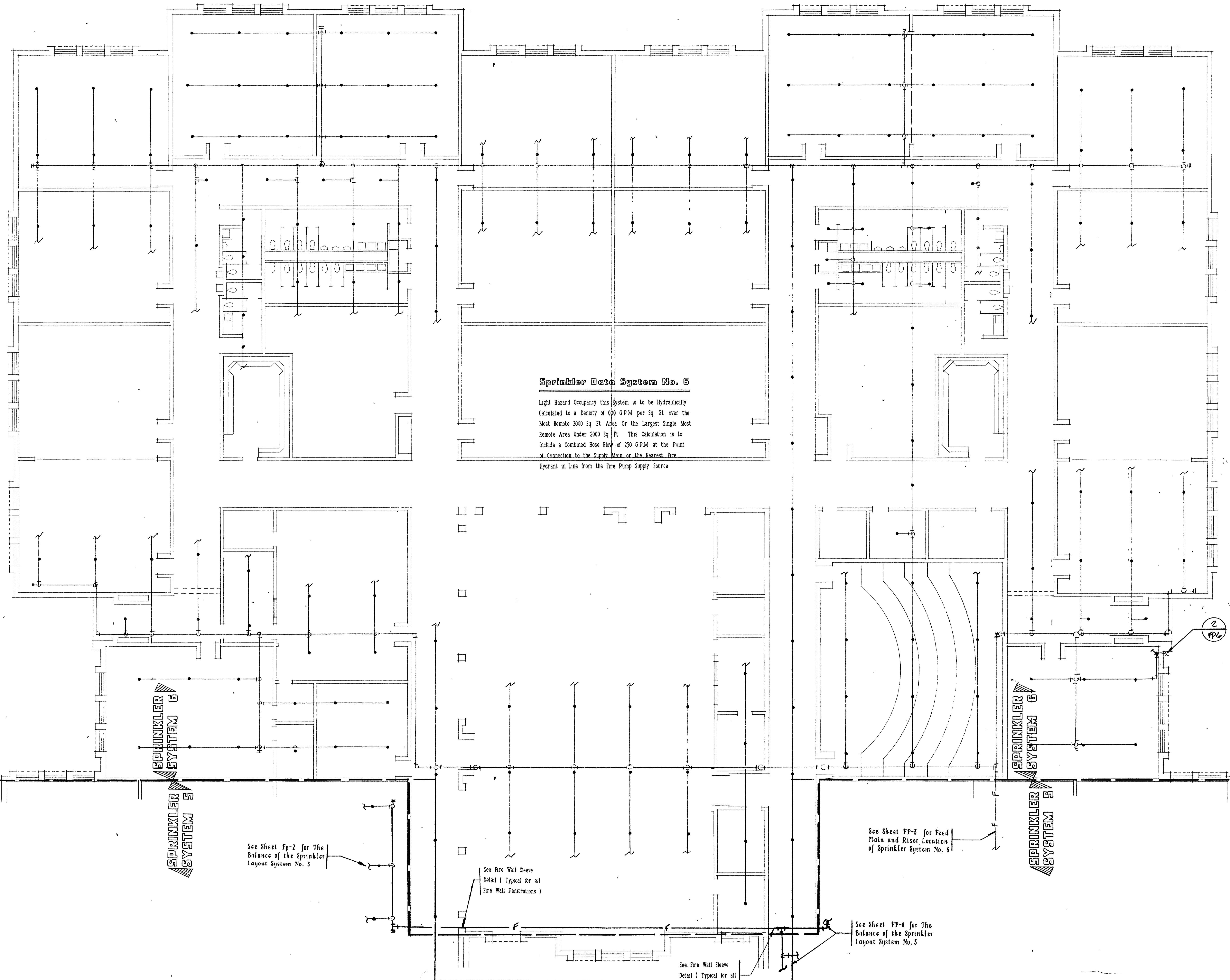
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FP 1



Sprinkler Data System No. 6

Light Hazard Occupancy this System is to be Hydraulically Calculated to a Density of 0.1 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area Or the Largest Single Most Remote Area Under 2000 Sq Ft This Calculation is to Include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

See Sheet FP-2 for The Balance of the Sprinkler Layout System No. 5

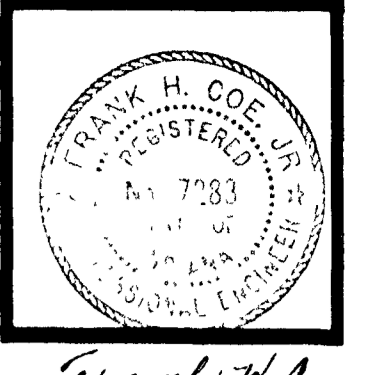
See Fire Wall Sleeve Detail (Typical for all Fire Wall Penetrations)

See Sheet FP-3 for Feed Main and Riser Location of Sprinkler System No. 6

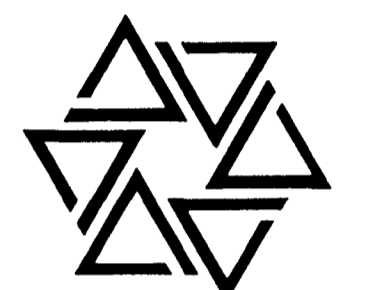
See Sheet FP-6 for The Balance of the Sprinkler Layout System No. 7

See Fire Wall Sleeve Detail (Typical for all Fire Wall Penetrations)

UNIT 'A' FIRE PROTECTION PLAN
SCALE 1/8" = 1'-0"



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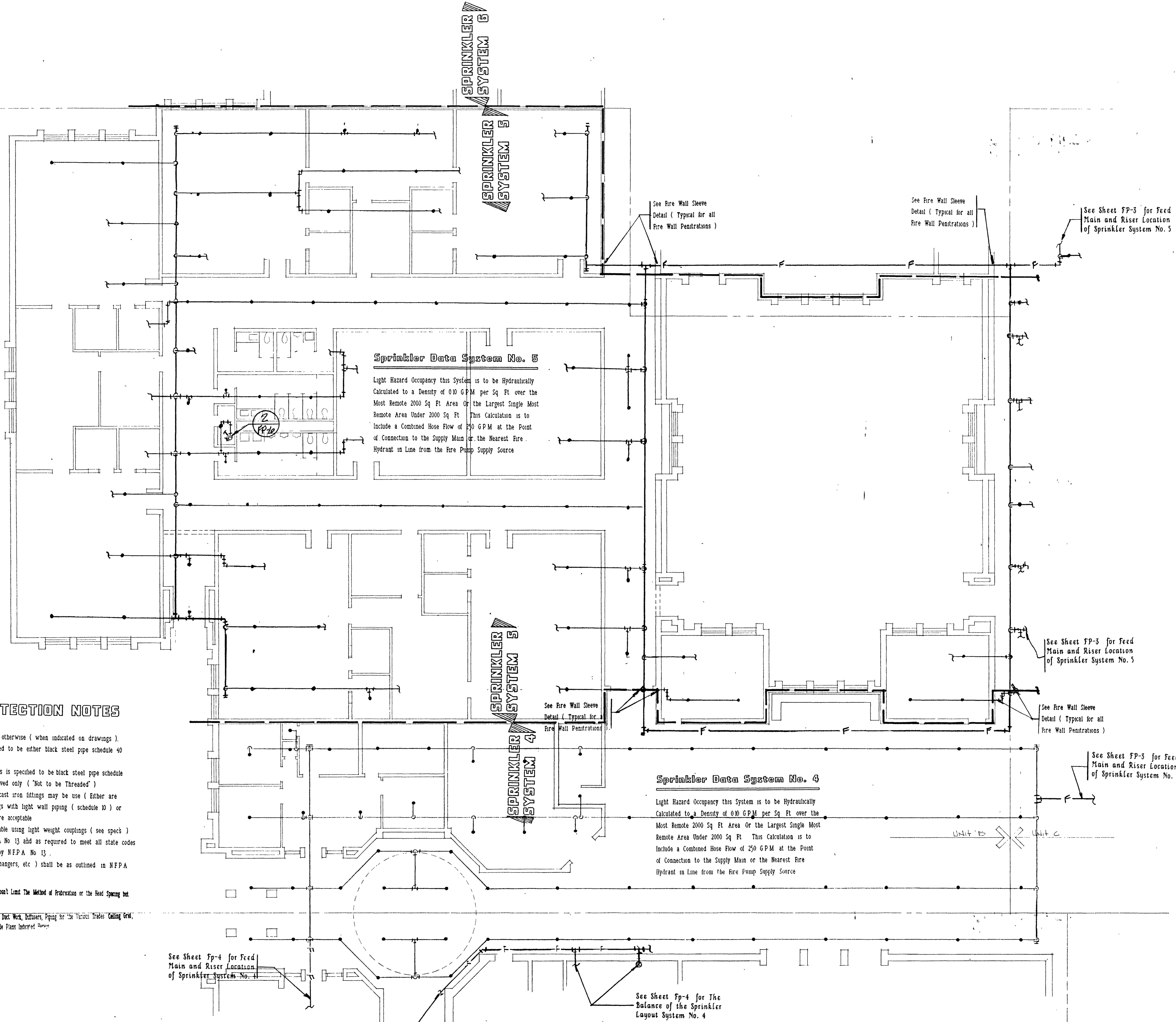
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FP2

UNIT 'A'
UNIT 'B'

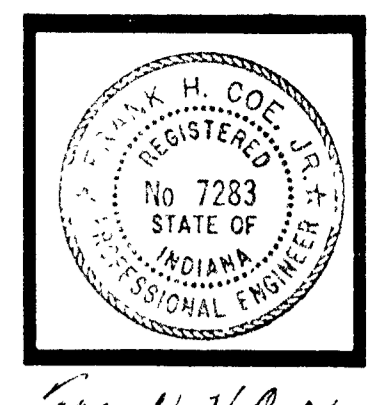
UNIT 'C'



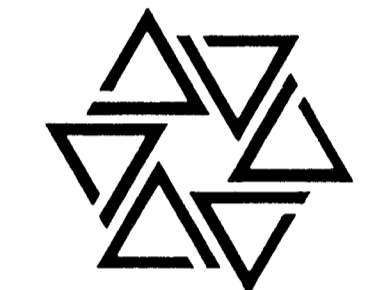
GENERAL FIRE PROTECTION NOTES

- All dimensions are center to center unless noted otherwise (when indicated on drawings).
- The piping for the branch or grid lines is specified to be either black steel pipe schedule 40 or XL steel piping of welded type ASTM 135.
- The piping for the cross mains and the feed mains is specified to be black steel pipe schedule 10 Light Wall ASTM 135 (to be welded or grooved only ("Not to be Threaded")
- On Threaded piping black malleable iron or black cast iron fittings may be use (Either are acceptable) Lock type socket (Fit Fittings) fittings with light wall piping (schedule 10) or schedule 40 pipe using lock type socket fittings are acceptable
- On all larger pipe groove type fittings are acceptable using light weight couplings (see specs)
- All piping shall be installed as outlined in NFPA No 13 and as required to meet all state codes
- Install aux drain in all low points as required by NFPA No 13 .
- All Hangers and support devices (trapezoid type hangers, etc) shall be as outlined in NFPA No 13 and be UL or FM Listed devices
- Sprinkler Heads indicated on these drawings as Diagram: And Don't Limit The Method of Fabrication or the Head Spacing but Only Shows A Single Way On piping the system
- This Contractor is to Coordinate the Electrical, Lighting, the HVAC Duct Work, Diffusers, Piping for the Various Trades Ceiling Grid, Panel Size and the Starter Panel as indicated On The Various Trade Plans Indicated Herein

UNIT 'B' FIRE PROTECTION PLAN
SCALE 1/8" = 1'-0"



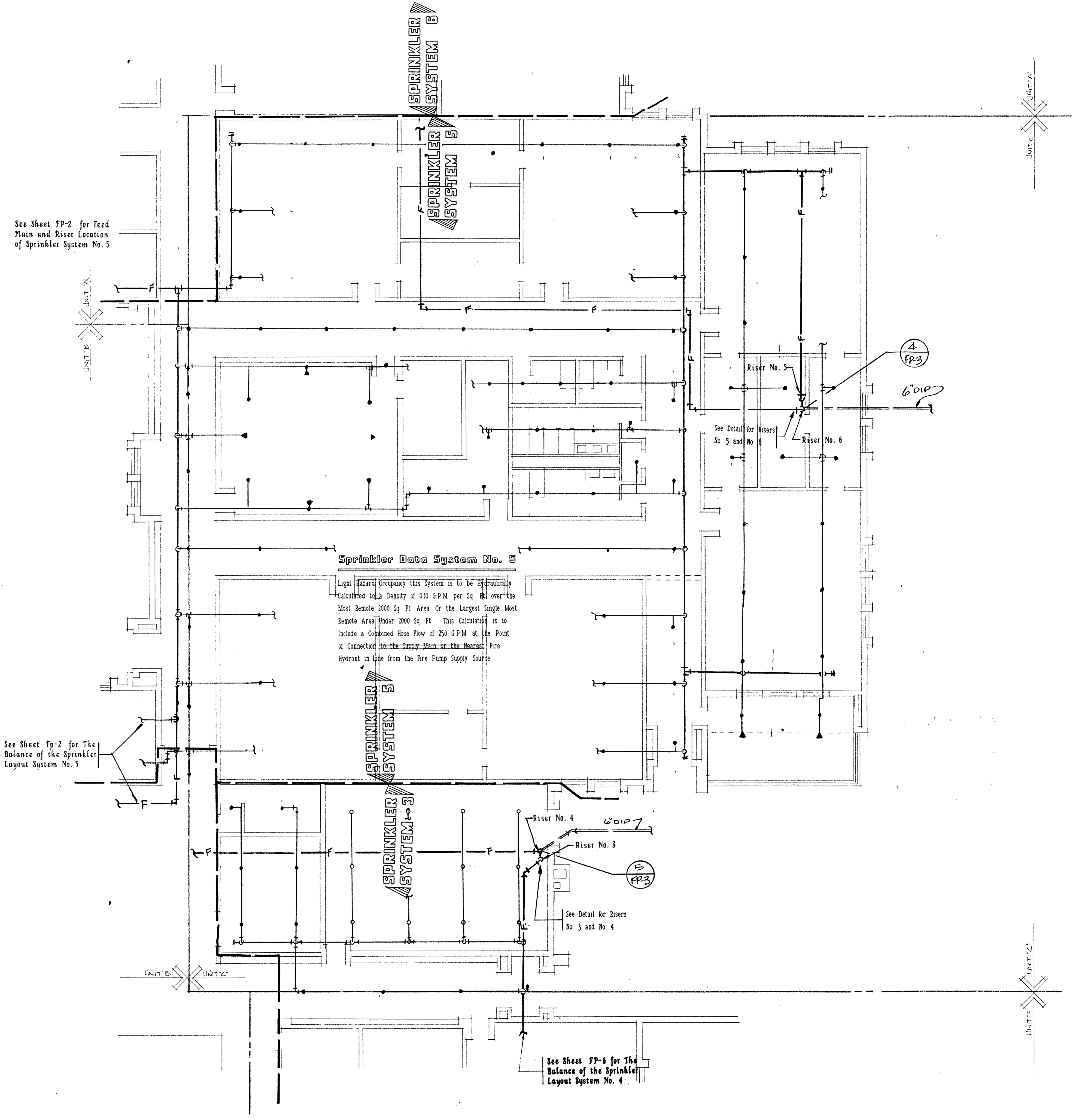
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FP3

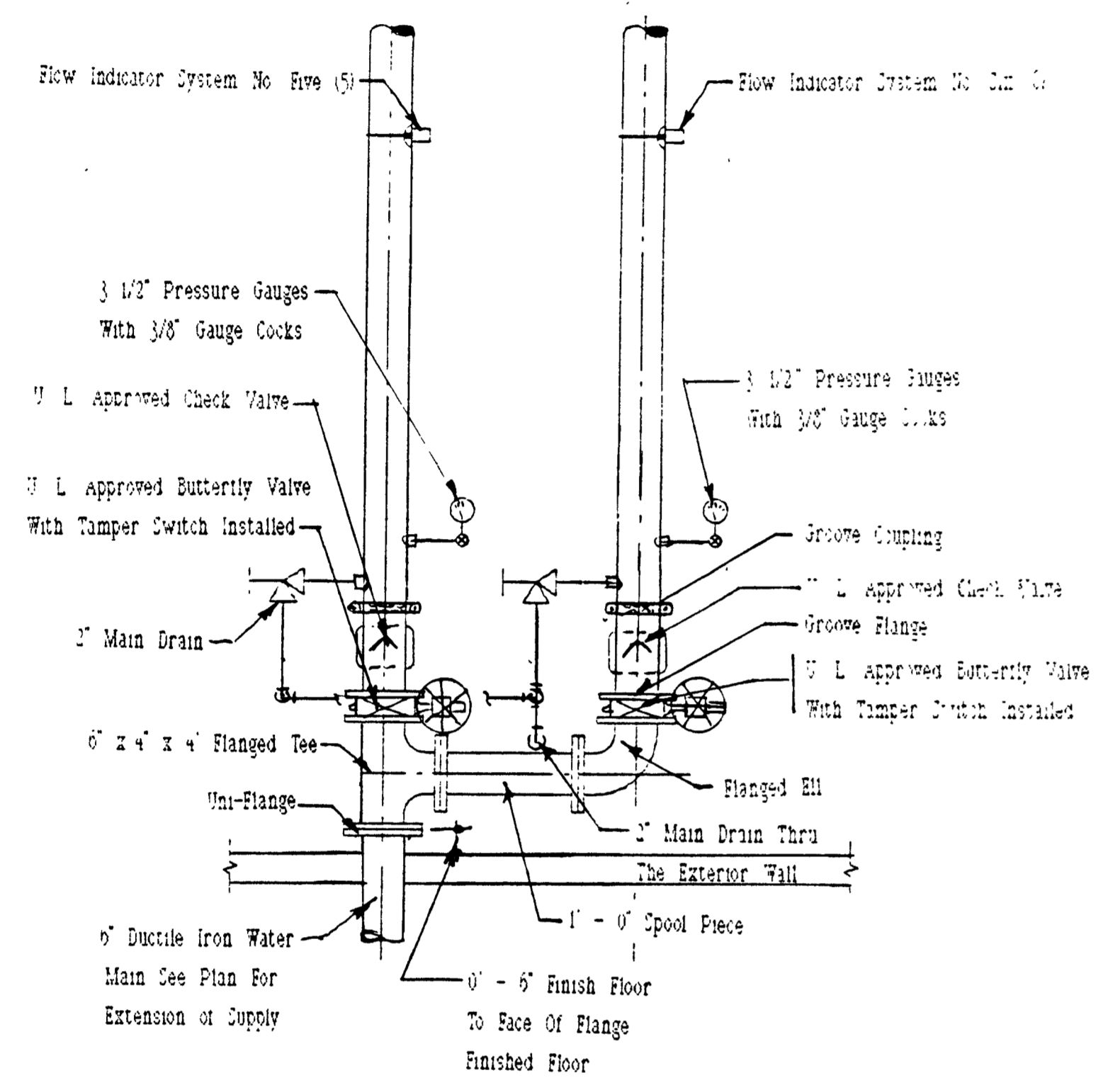


See Sheet FP-2 for Feed Main and Riser Location of Sprinkler System No. 5

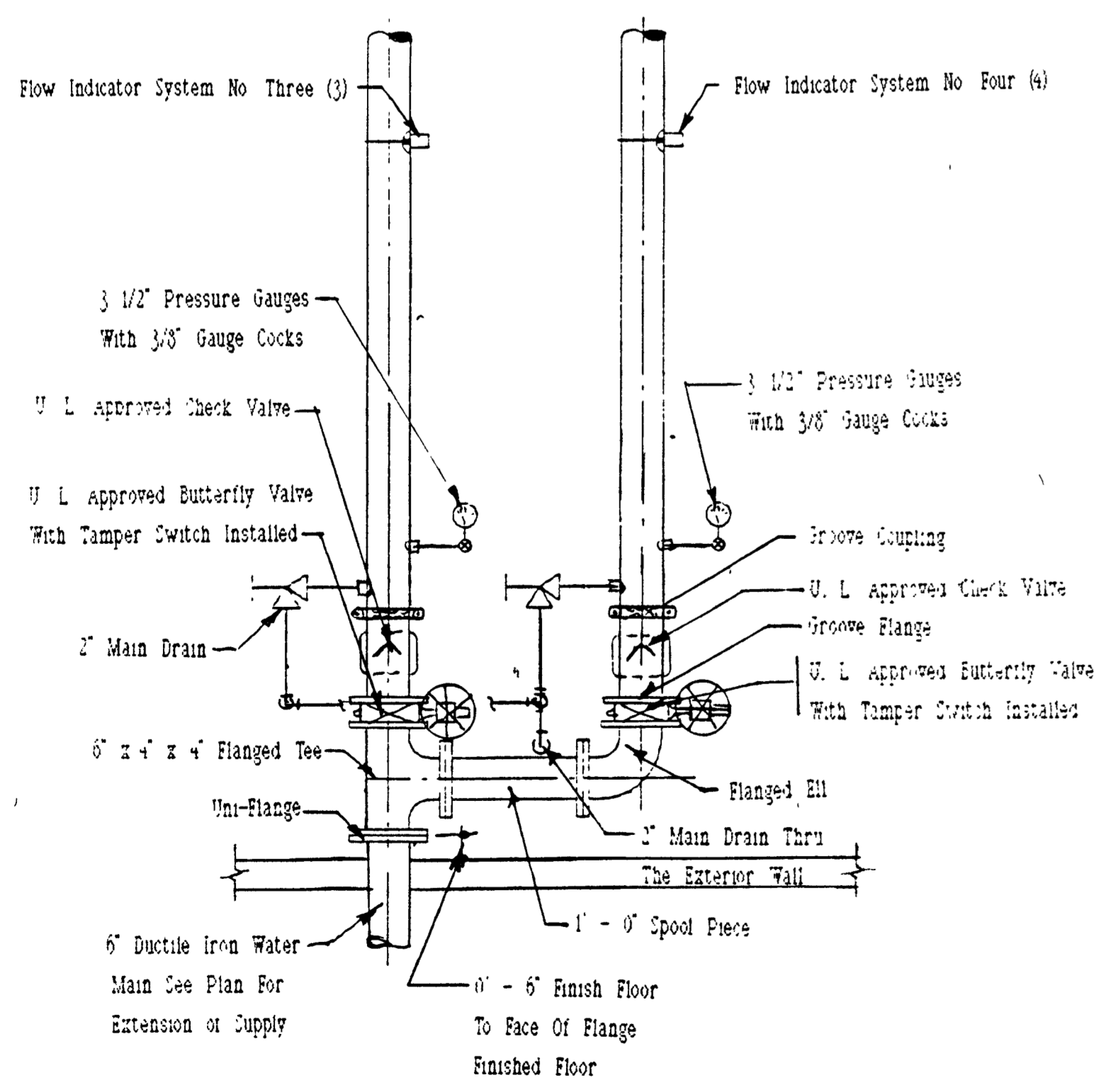
See Sheet FP-2 for The Balance of the Sprinkler Layout System No. 5

See Sheet FP-6 for The Balance of the Sprinkler Layout System No. 4

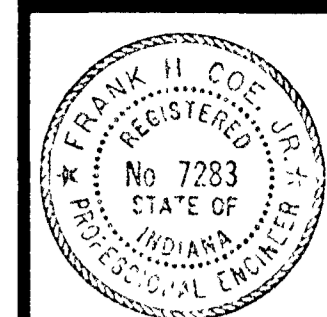
Sprinkler Data System No. 5
Light Hazard Occupancy this System is to be hydraulically calculated to a Density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area Or the Largest Single Most Remote Area Under 2000 Sq Ft. This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source



4 SPRINKLER RISER DETAIL
Scale 1/2" = 1'-0"

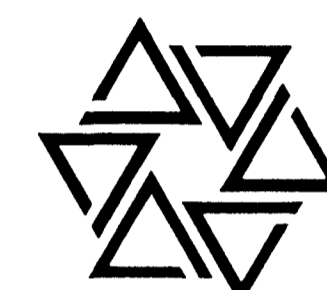


5 SPRINKLER RISER DETAIL
Scale 1/2" = 1'-0"



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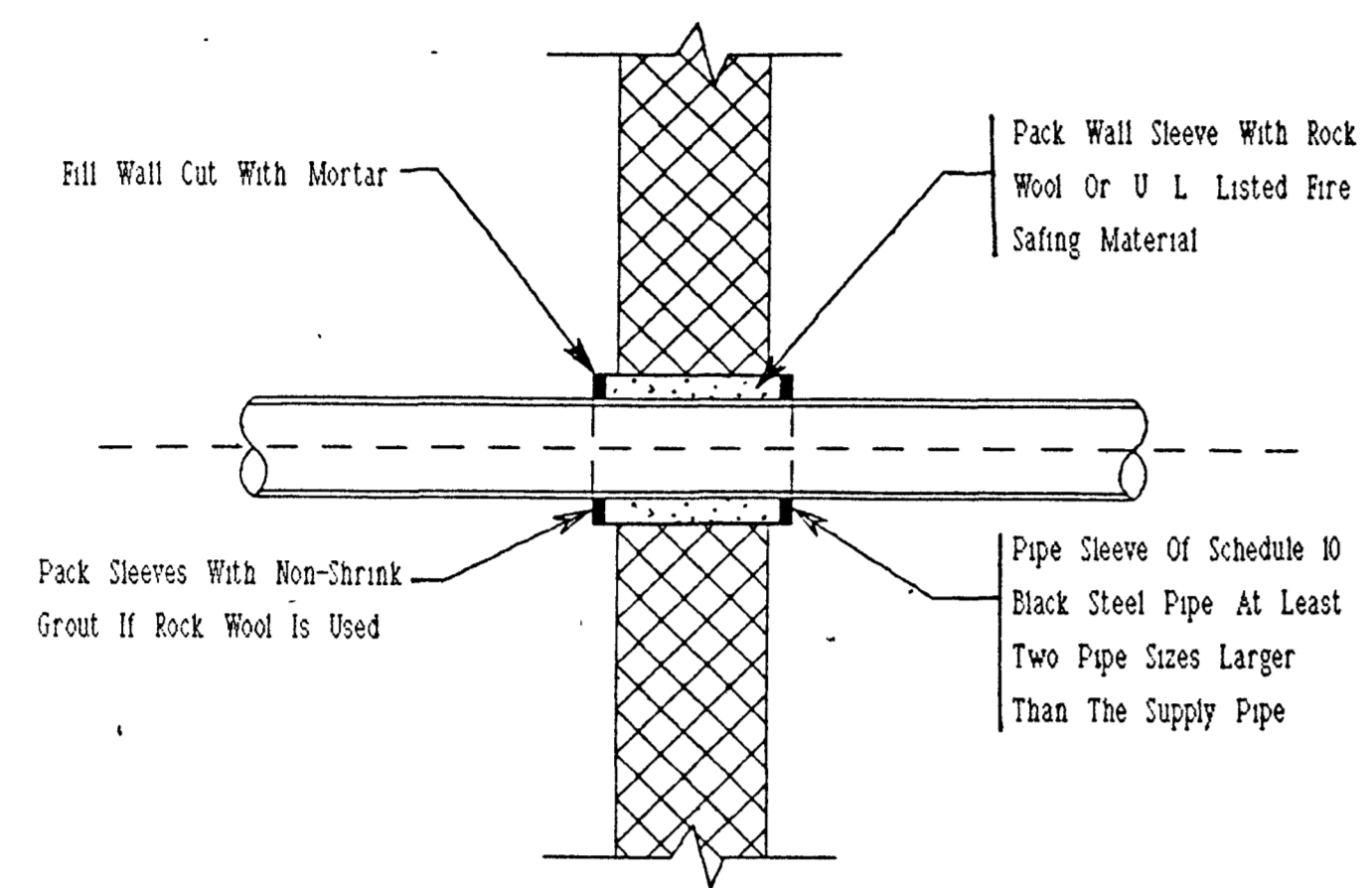
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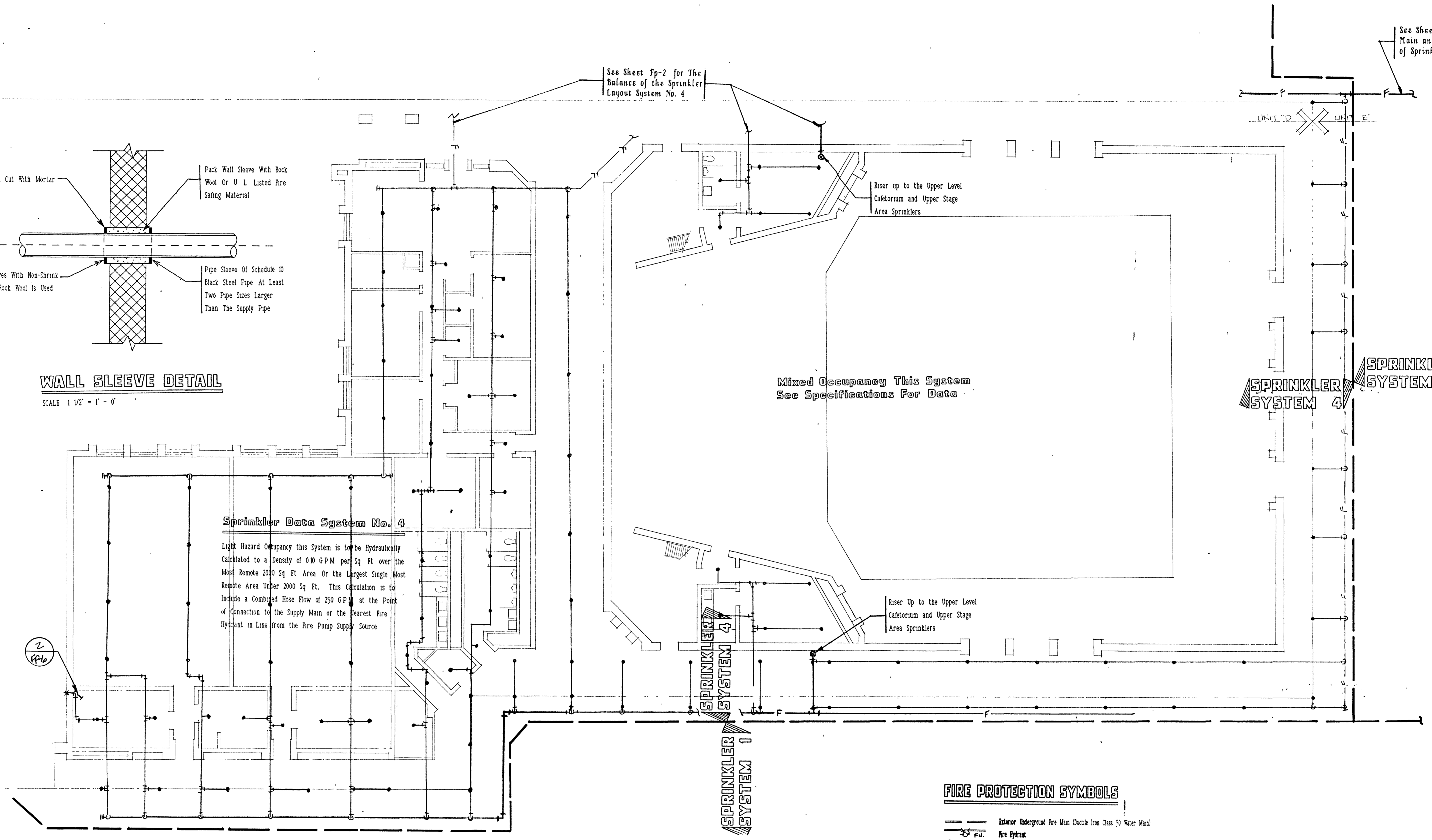
FP4

See Sheet FP-6 for Feed Main and Riser Location of Sprinkler System No. 3

See Sheet FP-2 for The Balance of the Sprinkler Layout System No. 4



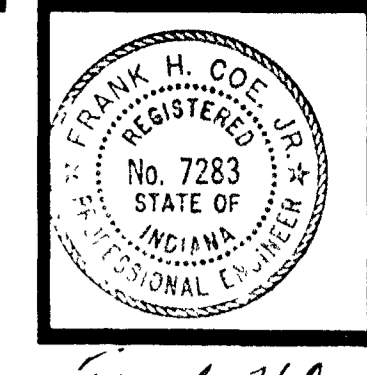
WALL SLEEVE DETAIL
SCALE 1/2" = 1'-0"



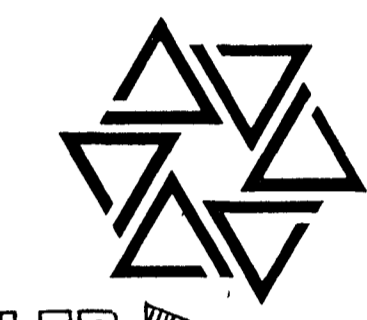
Sprinkler Data System No. 4
Light Hazard Occupancy this System is to be hydraulically calculated to a density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area Or the Largest Single Most Remote Area Under 2000 Sq Ft. This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

FIRE PROTECTION SYMBOLS

- Exterior Underground Fire Main (Outside Inlet Class 50 Water Main)
- Fire Hydrant
- Post Indicator Valve
- Sprinkler Piping, Cross Main, Grid & Branch Lines
- Feed Main
- Pendant Sprinkler Heads
- Upright Sprinkler Heads
- Butterfly Valve (U.L. App'd)
- Check Valve (U.L. App'd)
- O.S. & T. Gate Valve (U.L. App'd)
- Angle Valve (Misc. Drains)
- Globe Valve (Misc. Drains)
- Not to Scale
- Cross Main
- Feed Main
- Grid Line
- Branch Line
- U.O.M. (Unless Otherwise Noted)
- Flow Indicator
- Tamper Switch
- Ball Check



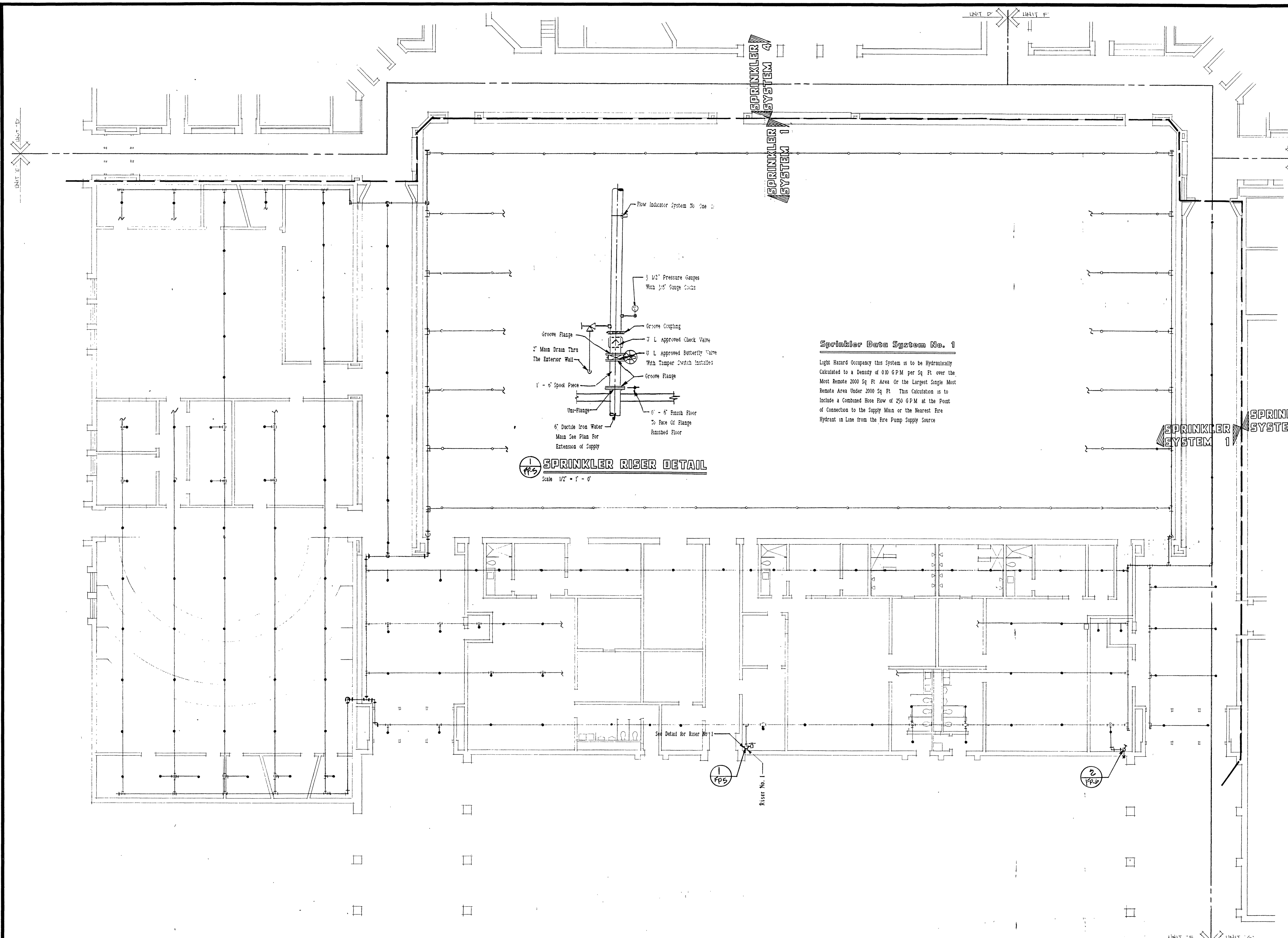
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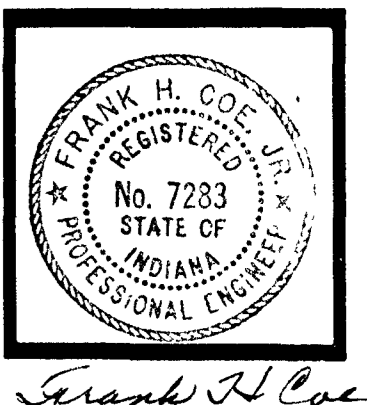
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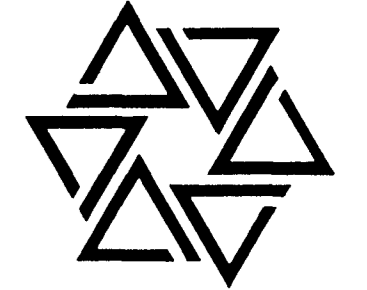
SPRINKLER RISER DETAIL
Scale 1/2" = 1' - 0"

Sprinkler Data System No. 1
Light Hazard Occupancy this System is to be hydraulically calculated to a Density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area Or the Largest Single Most Remote Area Under 2000 Sq Ft This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

UNIT 'E' FIRE PROTECTION PLAN
SCALE 1/8" = 1' - 0"



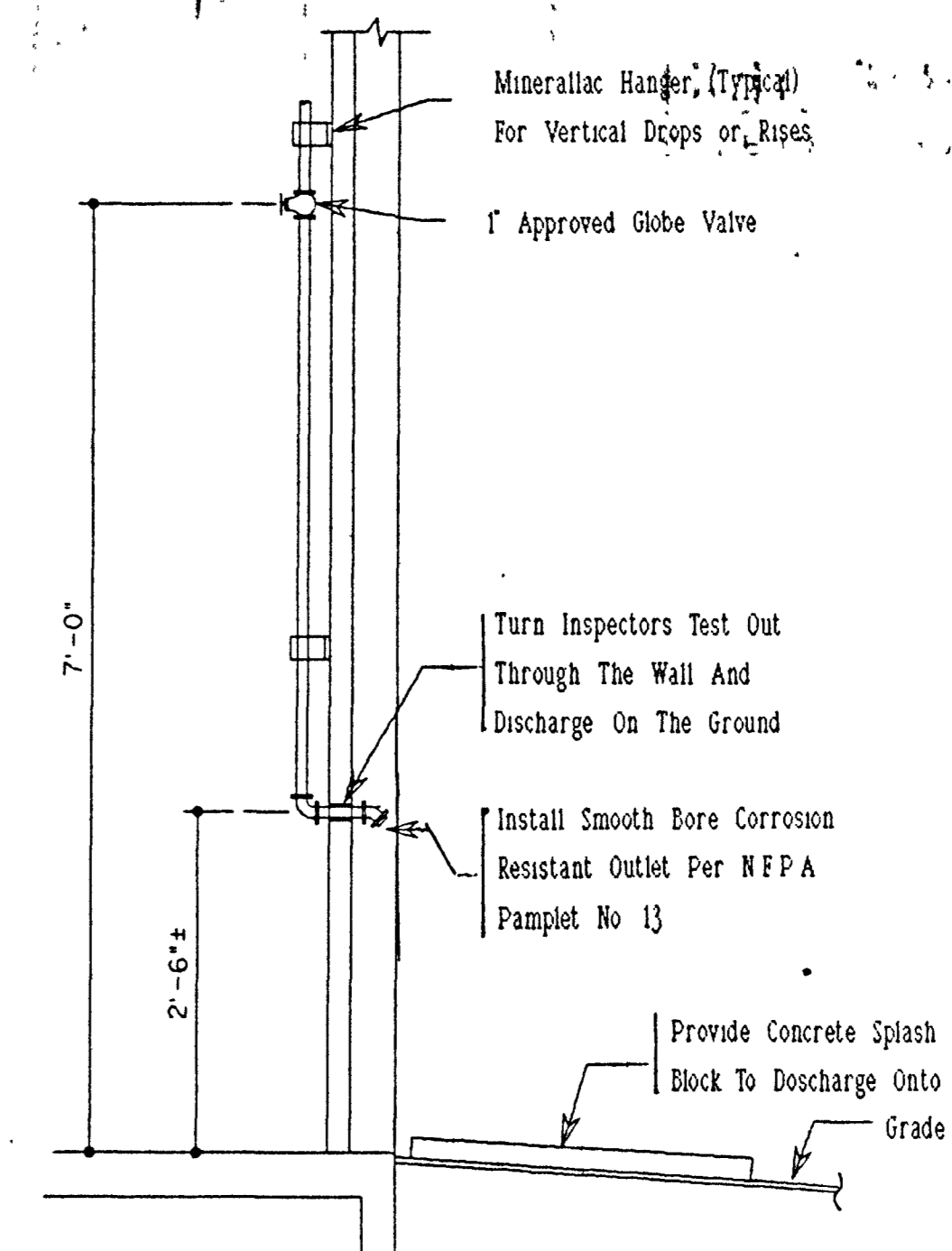
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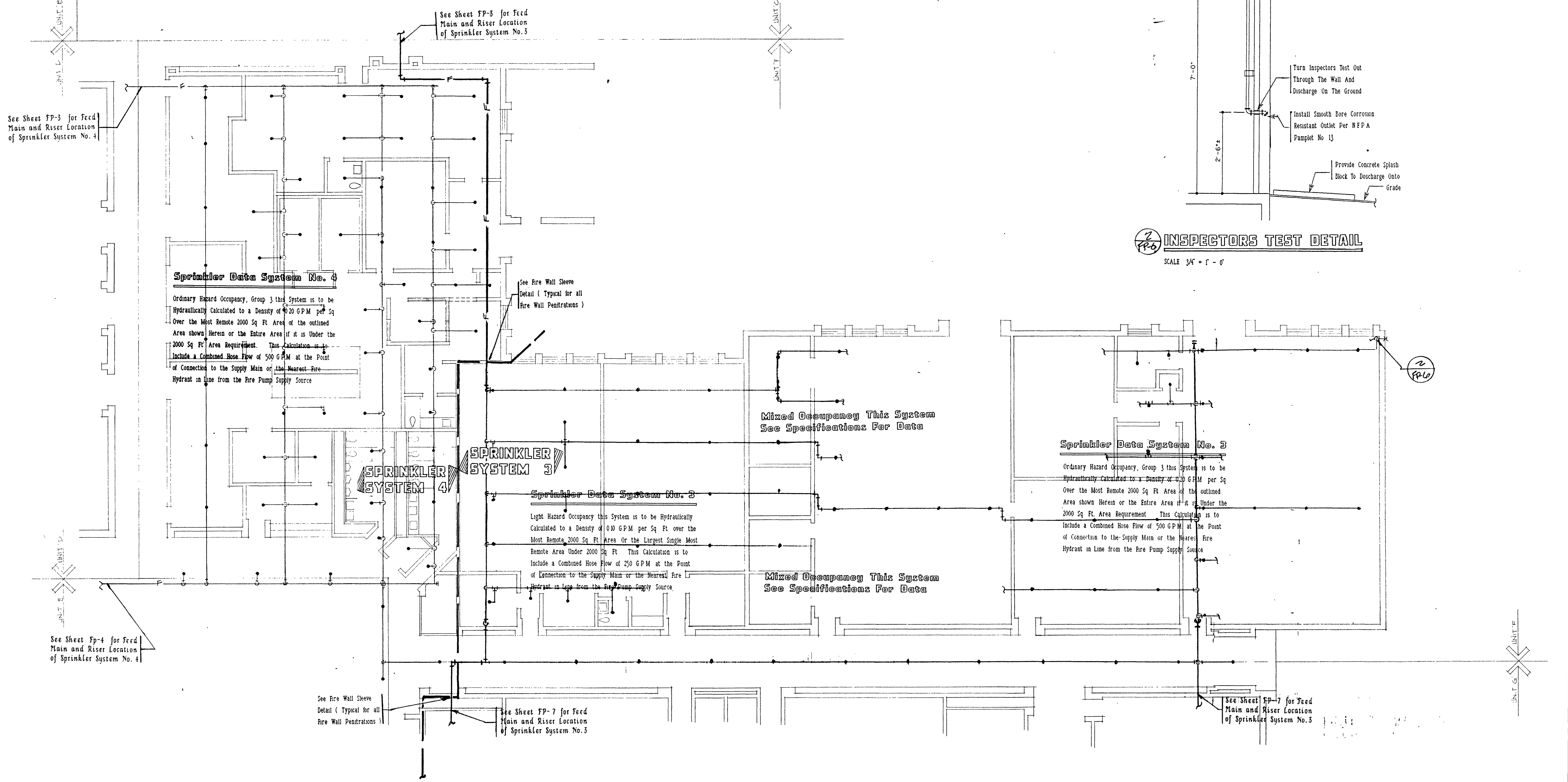
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FP6



INSPECTORS TEST DETAIL
SCALE 3/4" = 1' - 0"



Sprinkler Data System No. 4
Ordinary Hazard Occupancy, Group 3 this System is to be Hydraulically Calculated to a Density of 0.20 GPM per Sq Ft Over the Most Remote 2000 Sq Ft Area of the outlined Area shown Herein or the Entire Area if it is Under the 2000 Sq Ft Area Requirement. This Calculation is to Include a Combined Hose Flow of 500 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

Sprinkler Data System No. 3
Light Hazard Occupancy this System is to be Hydraulically Calculated to a Density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area or the Largest Single Most Remote Area Under 2000 Sq Ft. This Calculation is to Include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

Sprinkler Data System No. 3
Ordinary Hazard Occupancy, Group 3 this System is to be Hydraulically Calculated to a Density of 0.20 GPM per Sq Ft Over the Most Remote 2000 Sq Ft Area of the outlined Area shown Herein or the Entire Area if it is Under the 2000 Sq Ft Area Requirement. This Calculation is to Include a Combined Hose Flow of 500 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

Mixed Occupancy This System See Specifications For Data

Mixed Occupancy This System See Specifications For Data

SPRINKLER SYSTEM 4

SPRINKLER SYSTEM 3

See Sheet FP-3 for Feed Main and Riser Location of Sprinkler System No. 4

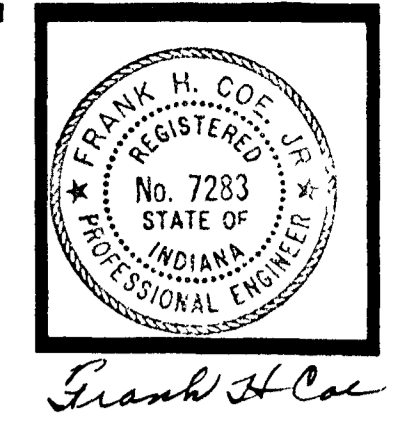
See Sheet FP-3 for Feed Main and Riser Location of Sprinkler System No. 3

See Sheet FP-4 for Feed Main and Riser Location of Sprinkler System No. 4

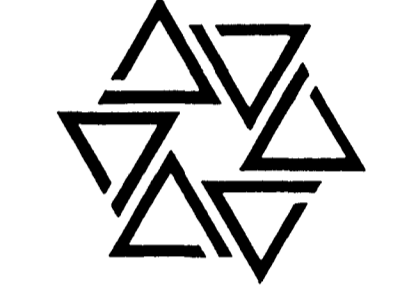
See Fire Wall Sleeve Detail (Typical for all Fire Wall Penetrations)

See Sheet FP-7 for Feed Main and Riser Location of Sprinkler System No. 3

See Sheet FP-7 for Feed Main and Riser Location of Sprinkler System No. 3



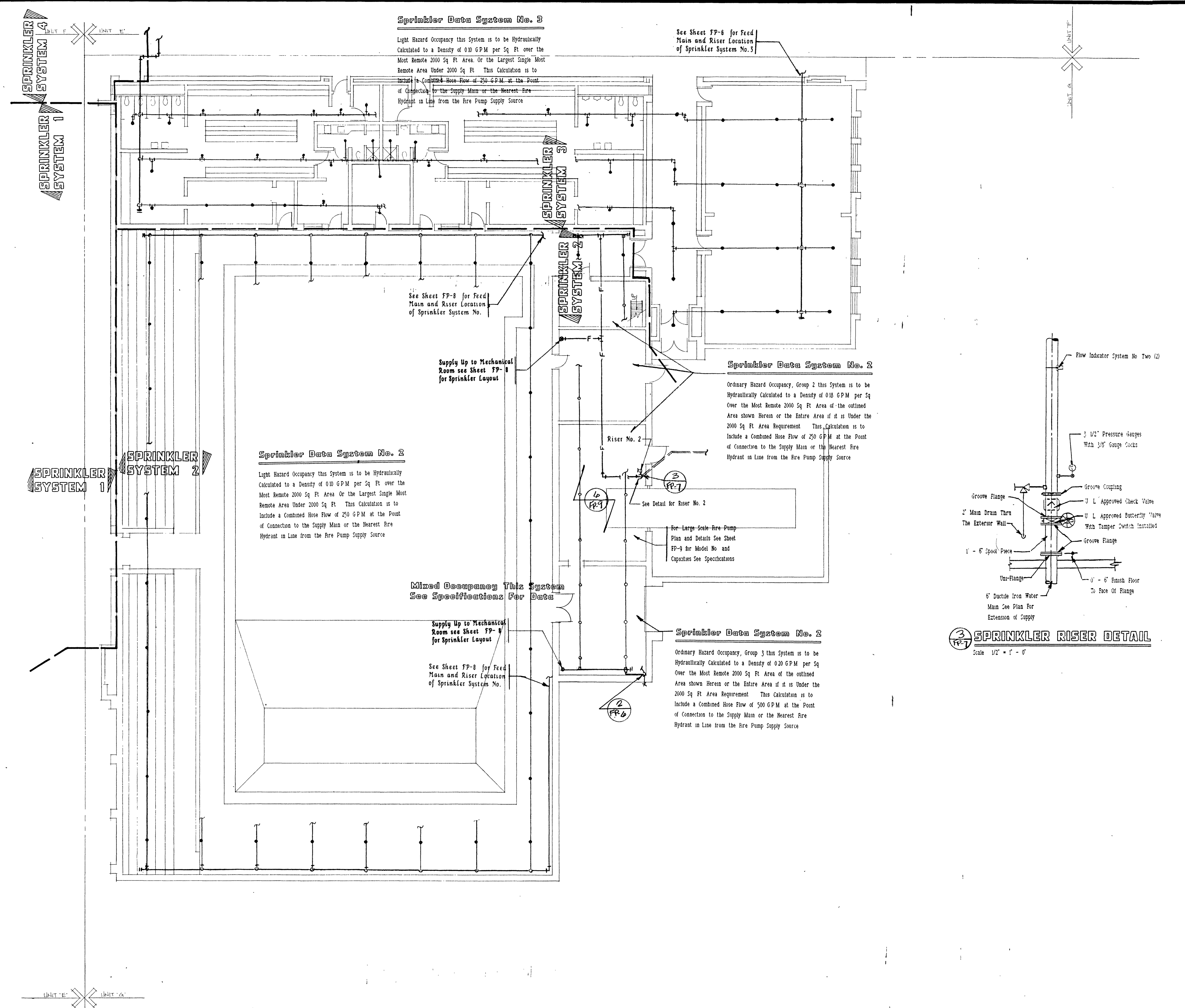
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Sprinkler Data System No. 2

Light Hazard Occupancy this System is to be Hydraulically Calculated to a Density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area. Or the Largest Single Most Remote Area Under 2000 Sq Ft. This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

See Sheet FP-8 for Feed Main and Riser Location of Sprinkler System No. 3

See Sheet FP-8 for Feed Main and Riser Location of Sprinkler System No. 2

Supply Up to Mechanical Room see Sheet FP-8 for Sprinkler Layout

Sprinkler Data System No. 2

Light Hazard Occupancy this System is to be Hydraulically Calculated to a Density of 0.10 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area or the Largest Single Most Remote Area Under 2000 Sq Ft. This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

Sprinkler Data System No. 2

Ordinary Hazard Occupancy, Group 2 this System is to be Hydraulically Calculated to a Density of 0.18 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area of the outlined Area shown Herein or the Entire Area if it is Under the 2000 Sq Ft Area Requirement. This Calculation is to include a Combined Hose Flow of 250 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

Riser No. 2

See Detail for Riser No. 2

For Large Scale Fire Pump Plan and Details See Sheet FP-9 for Model No and Capacities See Specifications

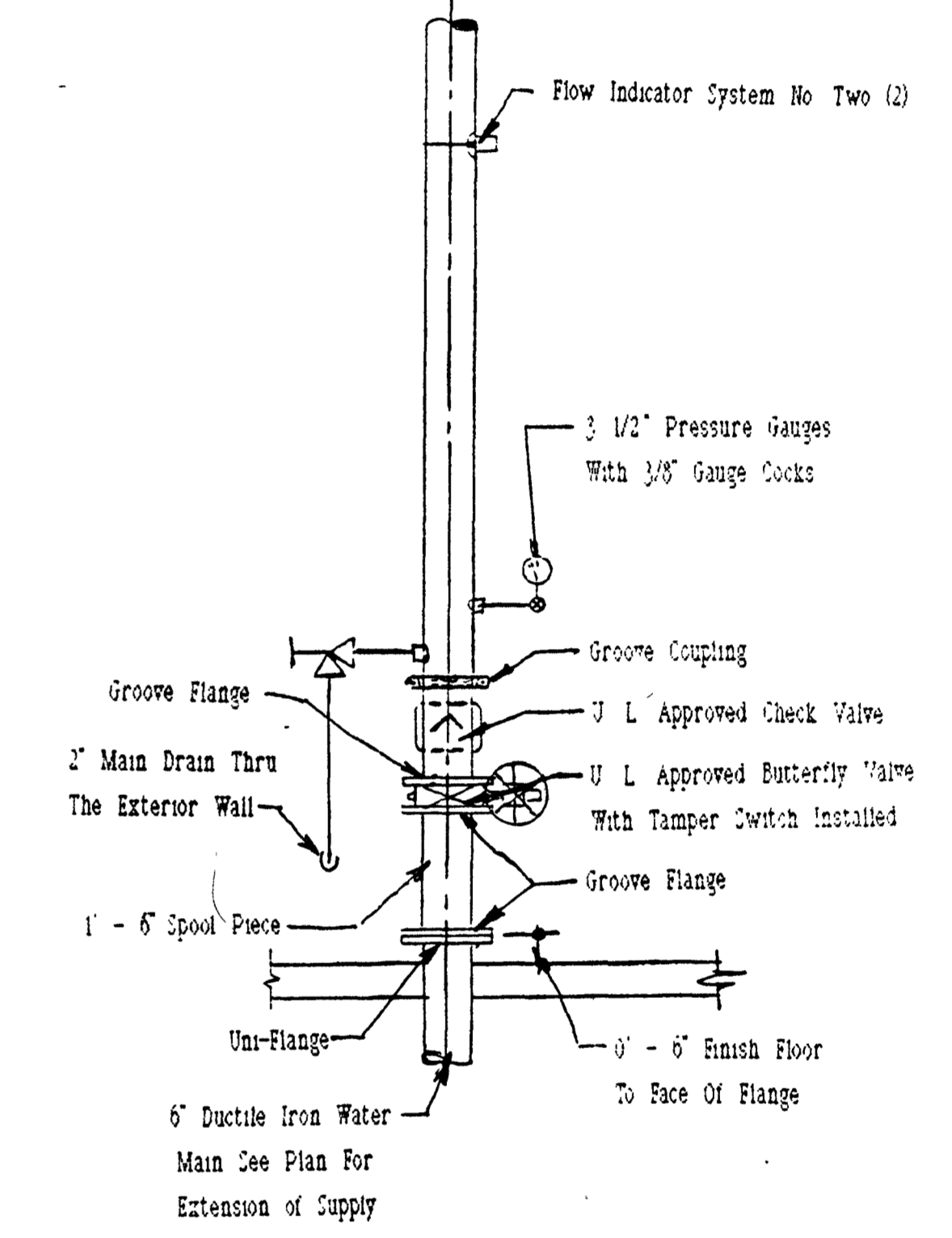
Mixed Occupancy This System See Specifications For Data

Supply Up to Mechanical Room see Sheet FP-8 for Sprinkler Layout

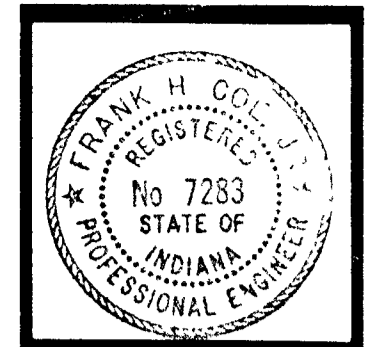
See Sheet FP-8 for Feed Main and Riser Location of Sprinkler System No. 2

Sprinkler Data System No. 2

Ordinary Hazard Occupancy, Group 3 this System is to be Hydraulically Calculated to a Density of 0.20 GPM per Sq Ft over the Most Remote 2000 Sq Ft Area of the outlined Area shown Herein or the Entire Area if it is Under the 2000 Sq Ft Area Requirement. This Calculation is to include a Combined Hose Flow of 500 GPM at the Point of Connection to the Supply Main or the Nearest Fire Hydrant in Line from the Fire Pump Supply Source

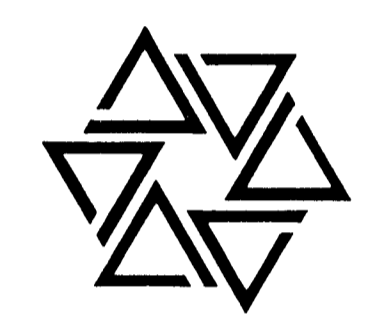


3 SPRINKLER RISER DETAIL
 Scale 1/2" = 1' - 0"



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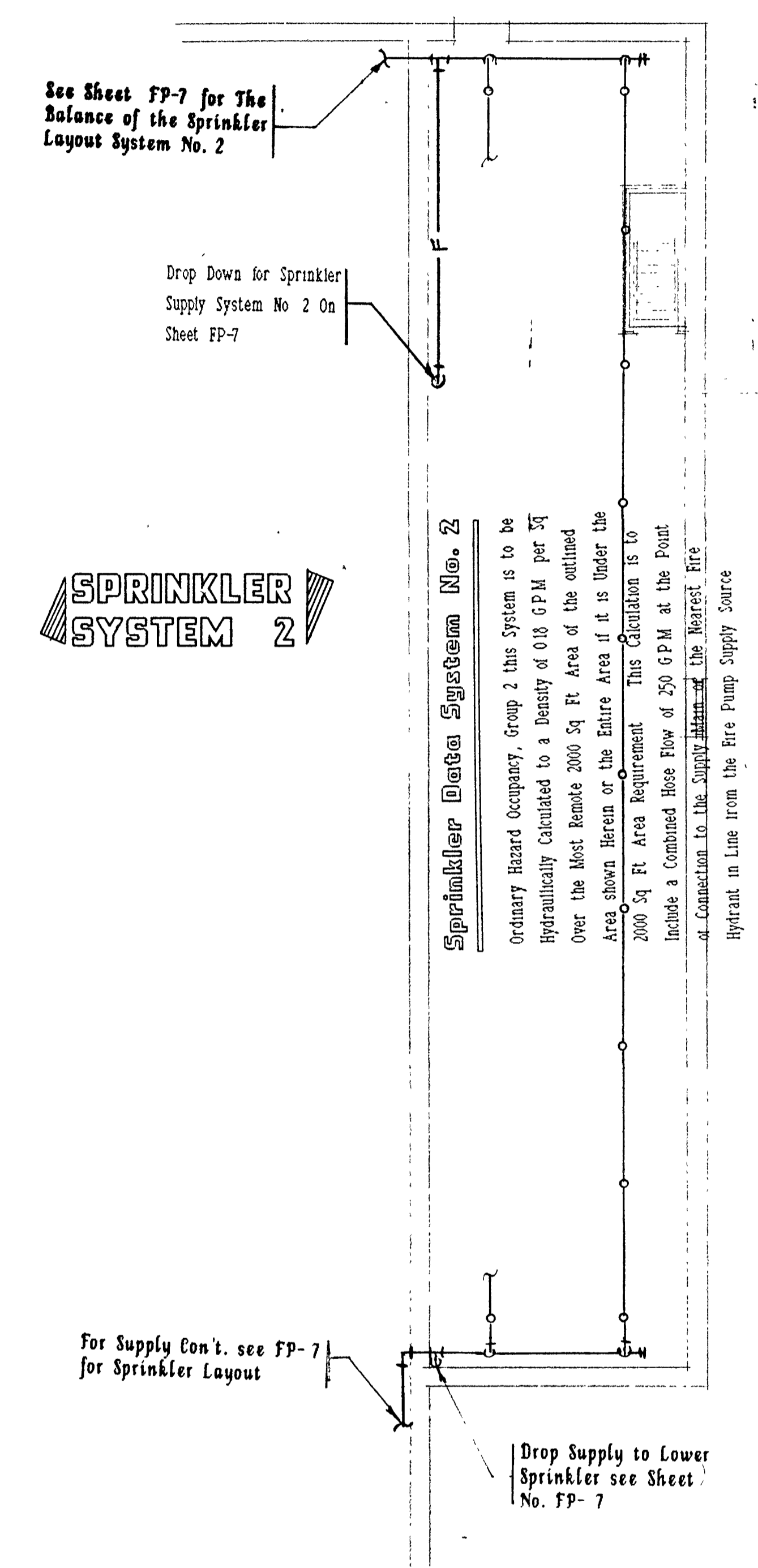
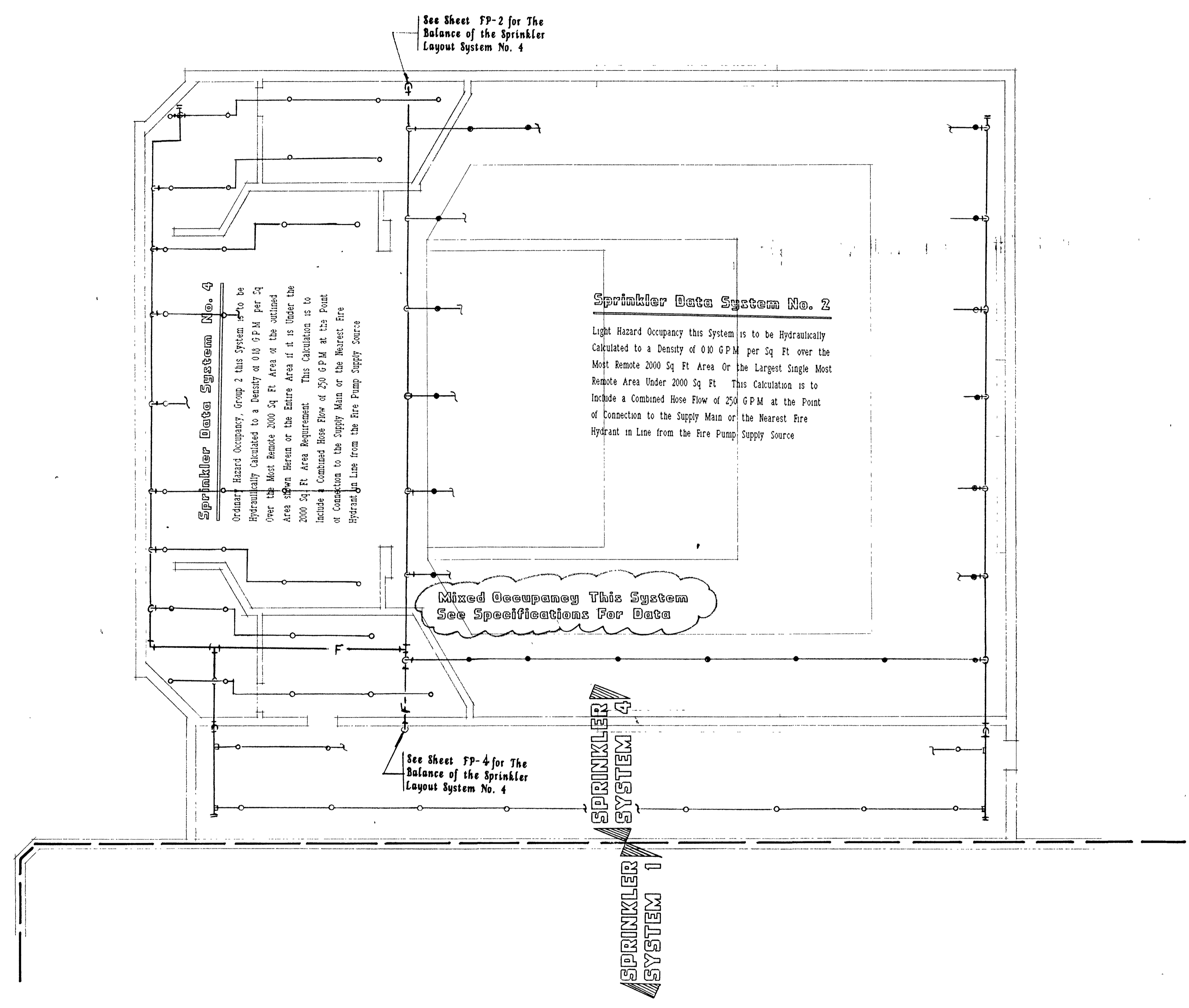
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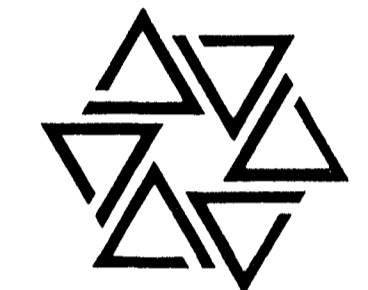
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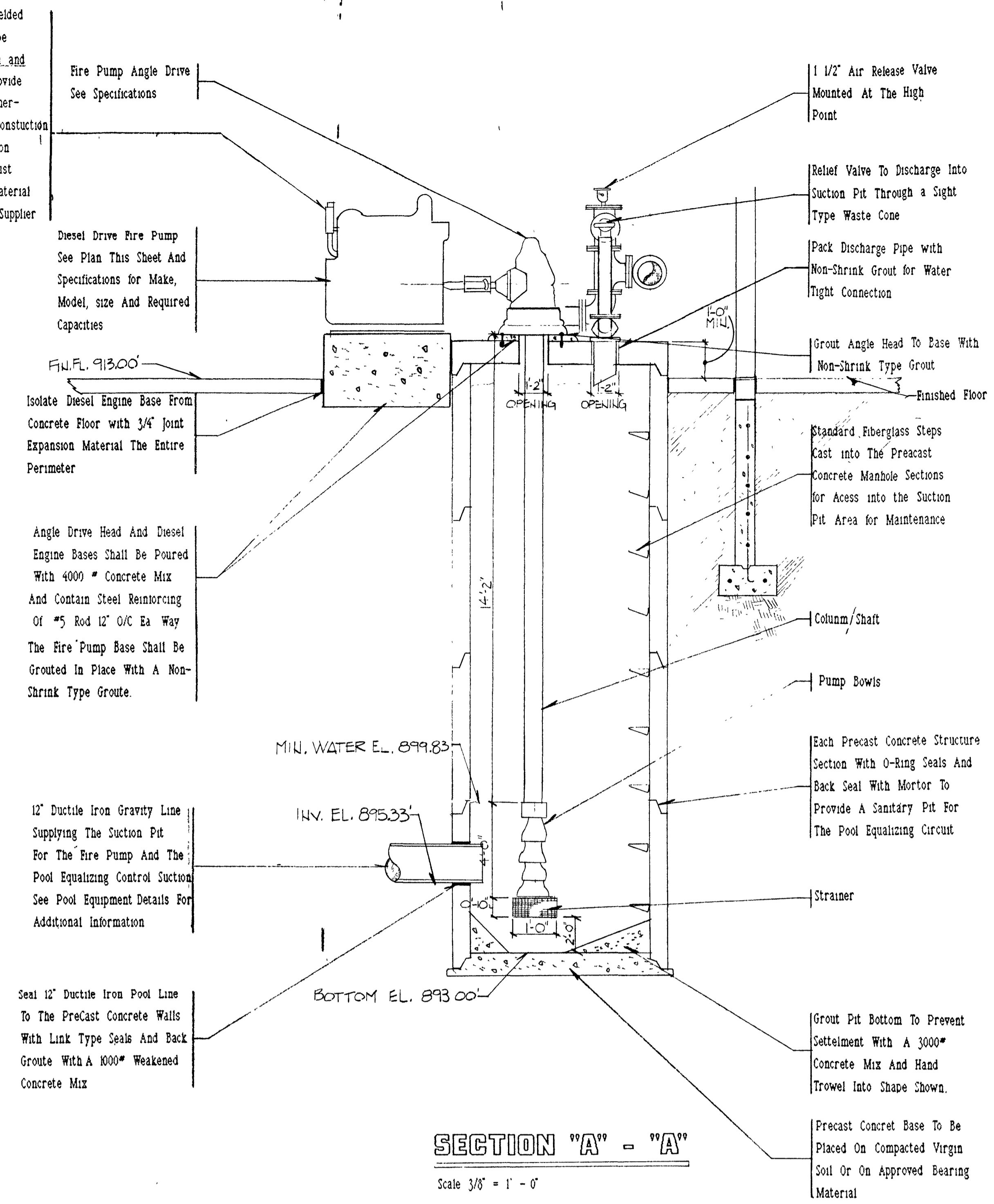


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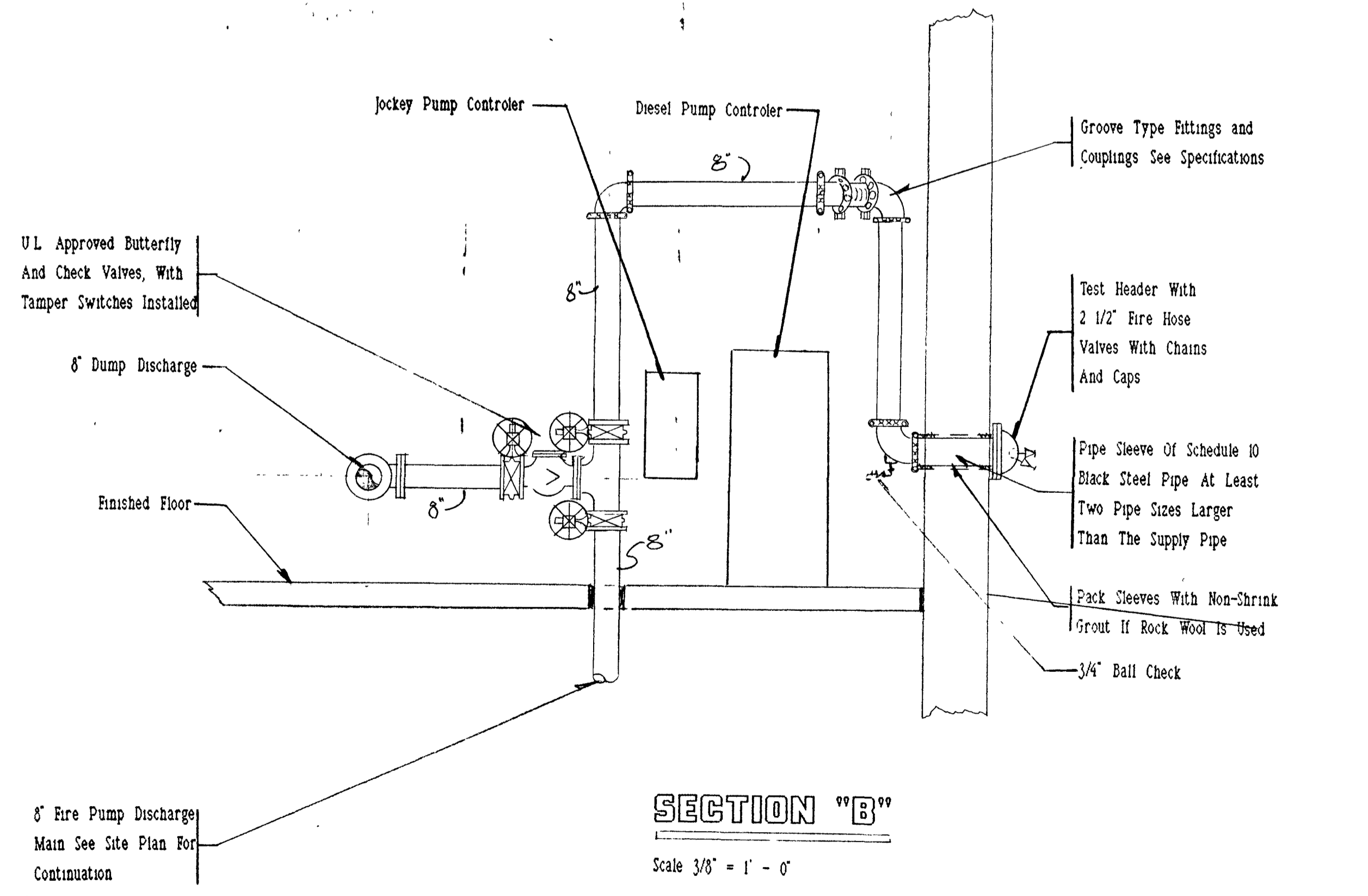
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FP9

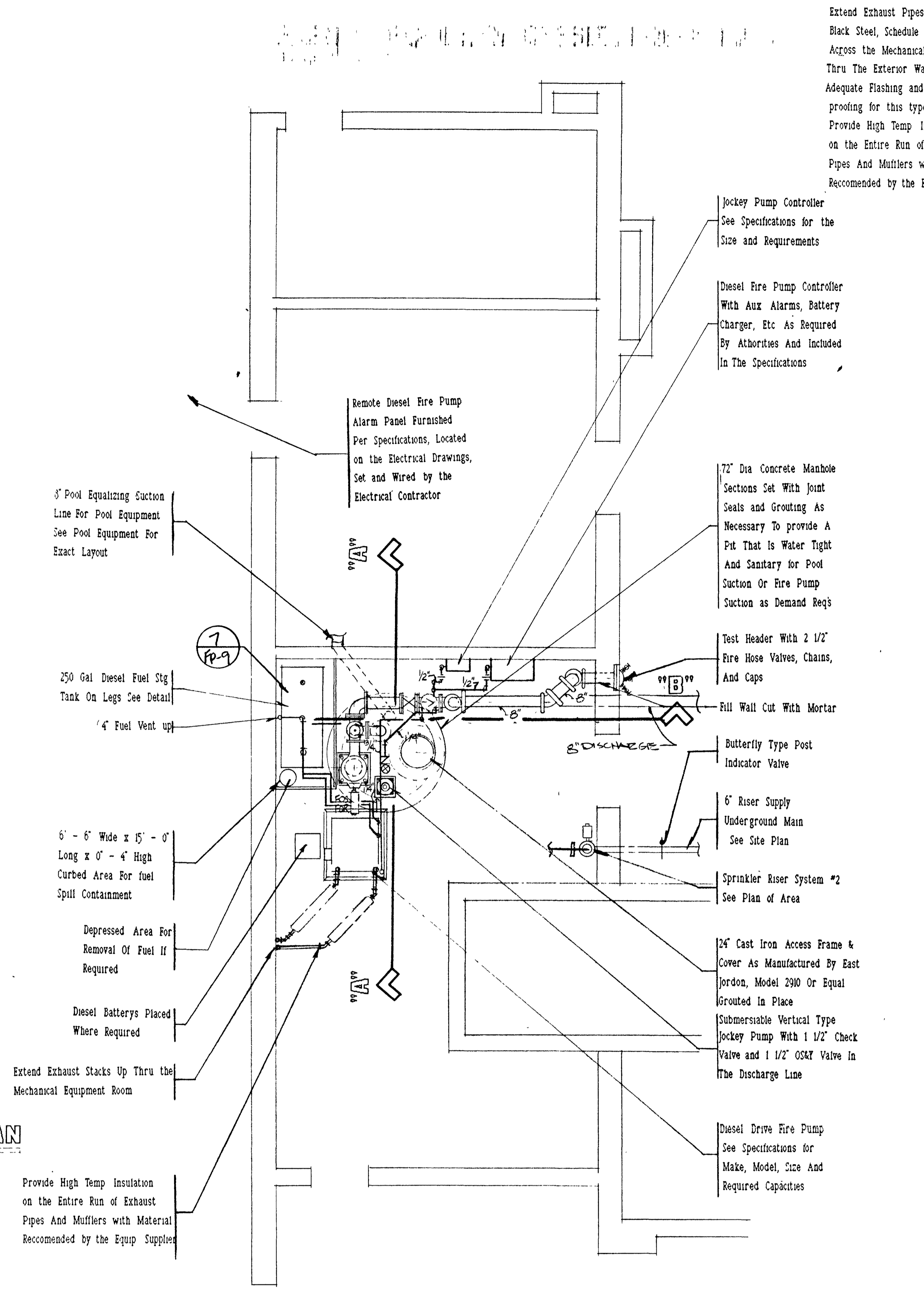
FIRE PUMP & DETAILS



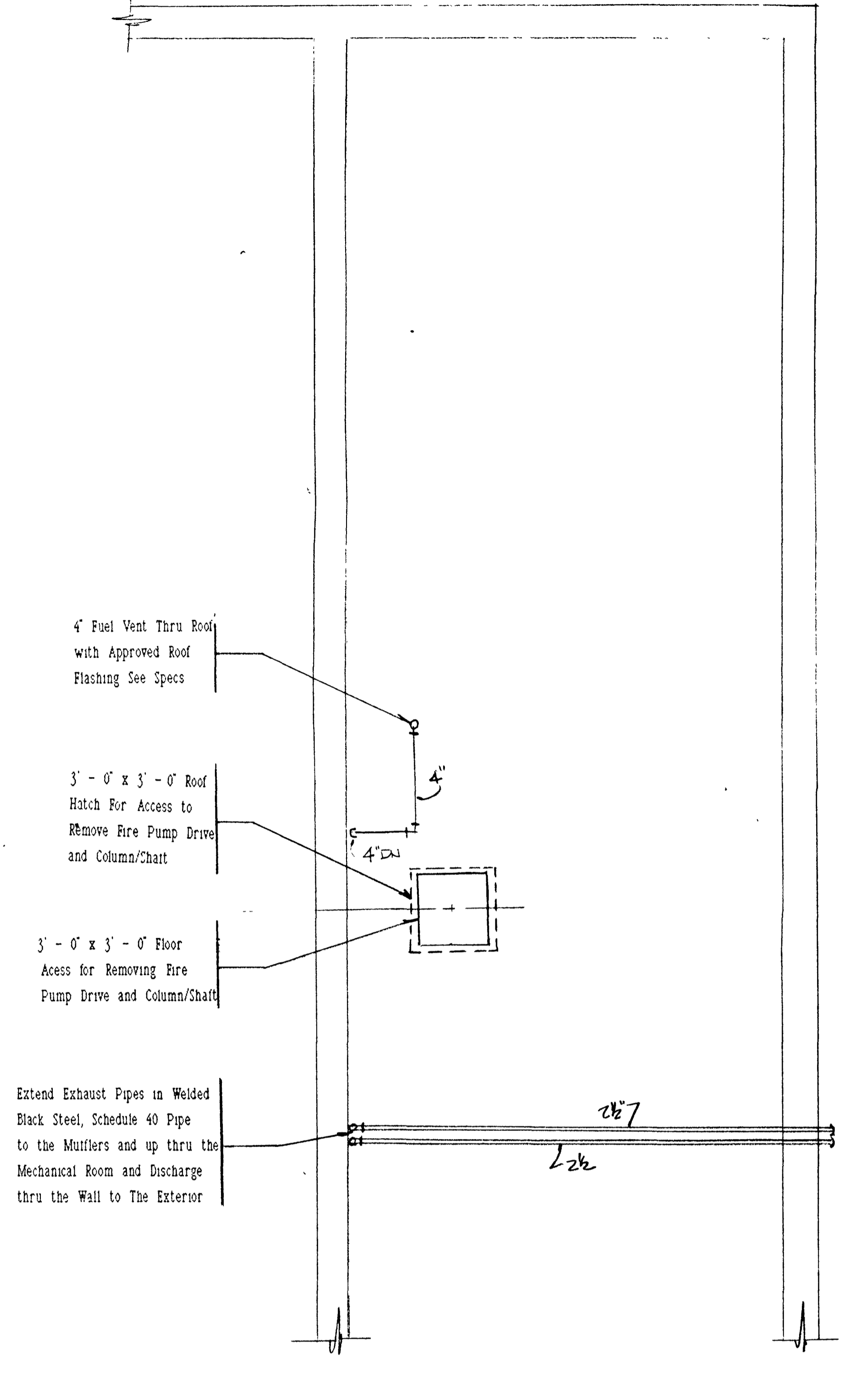
SECTION "A" - "A"
 Scale 3/8" = 1' - 0"



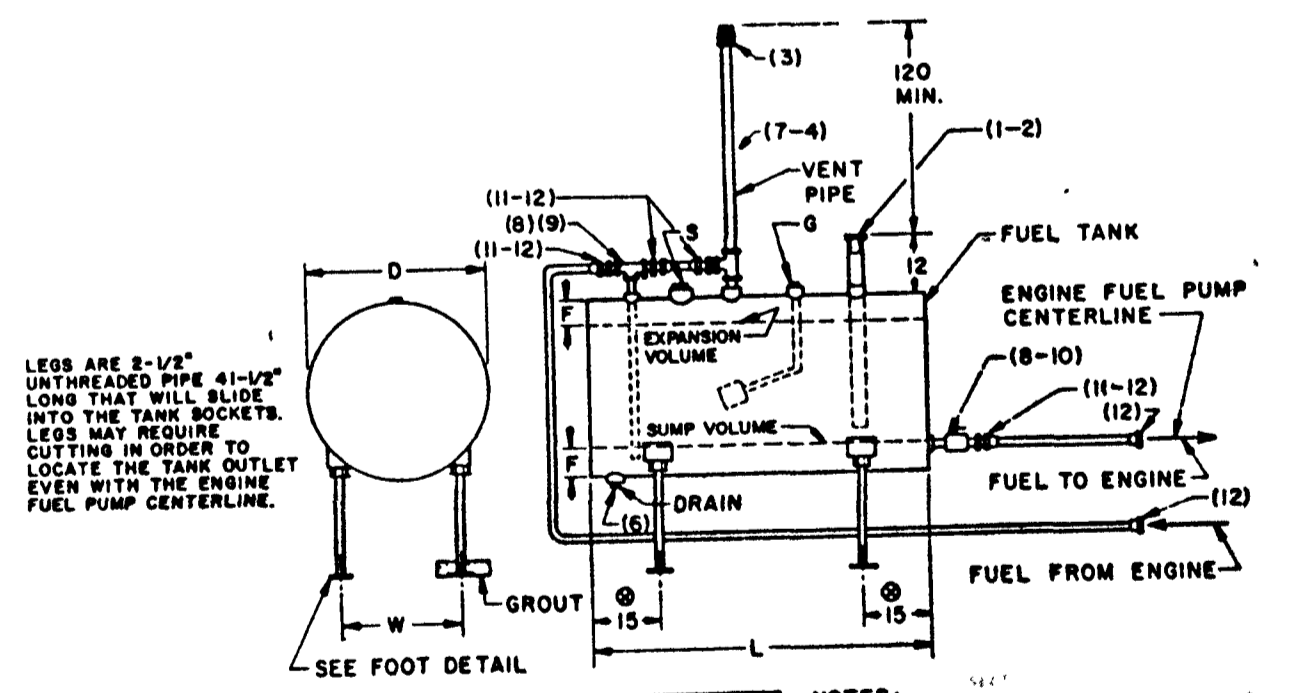
SECTION "B"
 Scale 3/8" = 1' - 0"



7 FIRE PUMP INSTALLATION - MECHANICAL ROOM PLAN
 Scale 1/4" = 1' - 0"



7 PARTIAL UPPER MECHANICAL ROOM PLAN
 Scale 1/4" = 1' - 0"



FUEL SYSTEM - WEIGHT 60 LBS.

ITEM	QTY	MAT'L	DESCRIPTION
1	1	IRON	FILL CAP
2	1	STEEL	STRAINER 1/16 MESH
3	1	STEEL	WEATHER VENT 4 NPT
4	1	IRON	PIPE BUSHINGS 2 TO 1/2 NPT
5	2	IRON	PIPE PLUG 2 NPT
6	1	IRON	PIPE PLUG 1 NPT
7	1	IRON	PIPE TEE 4x4x2 NPT
8	1	STEEL	PIPE WIPPLE 1/2" CLOSE
9	1	IRON	PIPE TEE 1/2" x 1/2" x 1/2"
10	1	BRASS	STOP COCK 1/2" NPT
11	4	BRASS	FLARED TUBE FITTING 5/8 O.D. TUBE x 1/2 MALE PIPE
12	6	BRASS	TUBE NUT FOR 5/8 O.D. TUBE

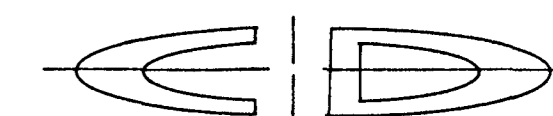
FUEL TANK - MAT'L STEEL - QTY 1

SIZE (GALL.)	D	L	F	W	WEIGHT (LBS)	TANK FUEL TOTAL
250	32	72	3-1/4	23	387	1507 1894

FUEL GAGE - MAT'L STEEL - QTY 1 - WEIGHT 5 LBS CALIBRATED F. 3/4, 1/2, 1/4, E

7 FUEL SYSTEM DETAIL
 No Scale

- NOTES:**
- (A) THIS FUEL SYSTEM COMPLIES WITH THE RECOMMENDED PRACTICES DESCRIBED IN THE APPENDIX OF NFPA 969 20.
 - (B) FUEL TANK OUTLET MUST BE EVEN WITH ENGINE FUEL PUMP CENTERLINE.
 - (C) ENGINE FUEL TANK SHOULD BE LOCATED AS CLOSE TO ENGINE AS POSSIBLE.
 - (D) FUEL TANK SHOULD BE "FITTED" 1/4 PER FOOT TOWARD DRAIN PLUS.
 - (E) FUEL TANK MUST BE LOCATED ABOVE GROUND, WITH PROVISIONS TO PREVENT FREEZING.
 - (F) THE USABLE FUEL VOLUME IS 90% OF THE "FUEL TANK VOLUME" THIS WILL PROVIDE A "RAMP VOLUME" OF 8% AND AN "EXPANSION VOLUME" OF 8%.
 - (G) "FILL CAP" HAS PROVISIONS TO BE PADLOCKED CLOSED.
 - (H) "STOP COCK" HAS PROVISIONS TO BE PADLOCKED OPEN.
 - (I) "LOW LEVEL FUEL SWITCH" IF ORDERED WITH CONTROLLER SHOULD BE LOCATED AT THE 12" NPT OPENING POINT.
 - (J) IN ORDER TO CONFORM TO INDIVIDUAL JOB REQUIREMENTS, THE FOLLOWING MATERIAL MUST BE FURNISHED BY OTHERS:
 1. VENTILATION
 2. FUEL LINES 5/8 O.D. SOFT COPPER TUBE
 - (K) THE FOLLOWING PARTS WILL BE MOUNTED ON THE ENGINE:
 1. FUEL INLET & OUTLET, FLEX. HOSE.
 2. FUEL CHECK VALVES, IF REQUIRED
 - (L) ONLY ITEMS MARKED W WILL BE FURNISHED FOR THIS JOB.
 - (M) ALL DIMENSIONS ARE IN INCHES.



CONSULTANTS:

CERTIFICATION:



C. David Coil

PLAN & PROFILE FOR
 PROPOSED OFF-SITE FORCE MAIN SEWER
 WAWASEE MIDDLE SCHOOL

COMM. NO. 8714
 DATE 2/28/89

REVISIONS:

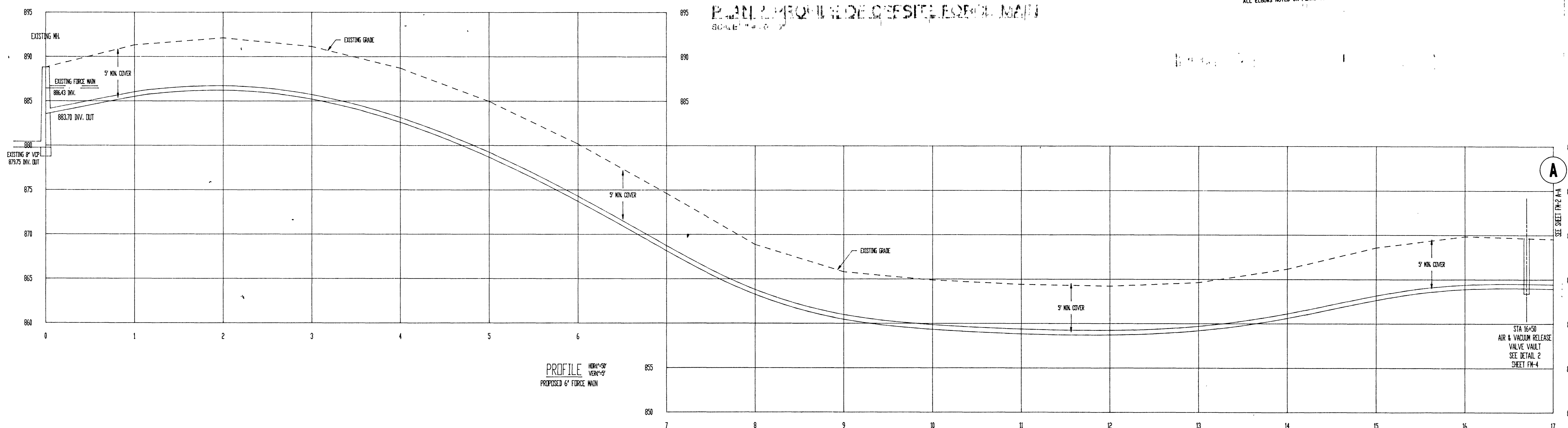
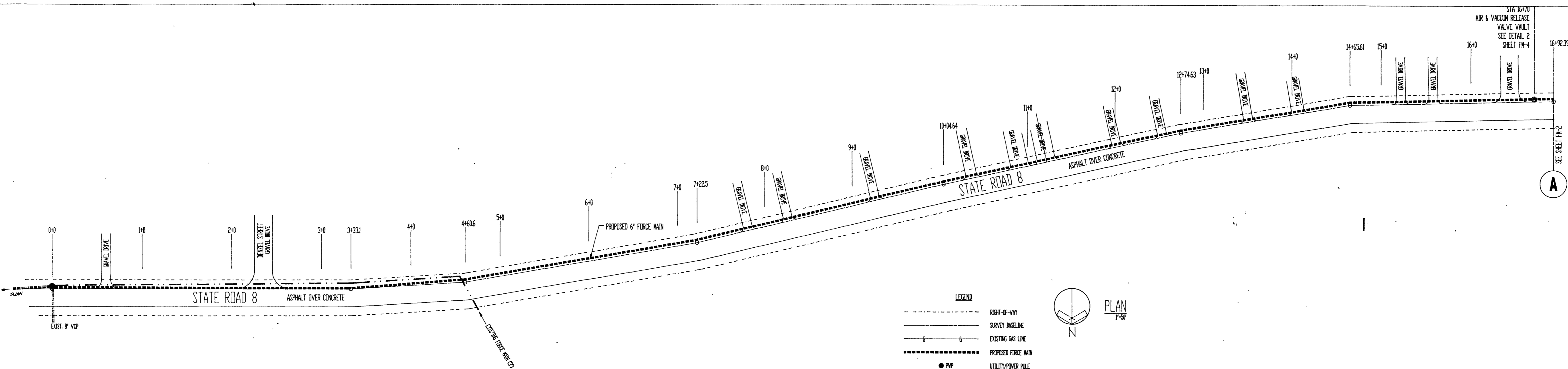
CAD FILE NAME: WAWASEE\WAWFMSS.DWG

DATE: JAN. 5th, 1989

SCALE: AS SHOWN

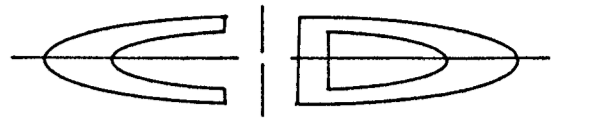
SHEET NO:

FM-1



SEWER NOTES :

1. Sewer force main shall be 6" PVC AWWA C900, Class 150 pipe.
2. Contractor to verify location of all underground utilities before trenching. Care must be taken to avoid destruction of underground utilities during trenching.
3. All granular, stone or gravel backfill shall be compacted in layers of not over 6" to a density of 95% modified Proctor (ASTM 1557).
4. All driveways and streets destroyed during trenching shall be replaced and restored to original condition.
5. All field tiles destroyed during trenching shall be replaced with plastic pipes as follows:
 replace 4" tile with 6" plastic pipe
 6" tile with 8" plastic pipe
 8" tile with 10" plastic pipe, etc.
6. Reseed or sod as required after backfilling.
7. Whenever sewers must cross under water mains, the sewer shall be laid at such an elevation that the top of the sewer is at least 18" below the water main. When the elevation of the sewer cannot be buried to meet said requirements, the sewer shall be reconstructed with mechanical joint cast iron pipe or PVC SDR 21 A.S.T.M. 3034 pipe or A.B.S. Truss pipe for a distance of 10 feet on each side of the water main. One full length of sewer should be centered over the water main so that both joints will be as far from the water main as possible. In all occurrences, where water lines and sanitary sewer lines do not permit a minimum of ten (10) feet horizontal separation, the sewer must be constructed of PVC-SDR-21 pipe with compression joints.
8. All construction shall be performed in accordance with "Recommended Standards for Sewage Works 1978 Edition" (10 Standards).



6044 E. STATE BOULEVARD
 FORT WAYNE, INDIANA 46815
 219-749-0125

CONSULTANTS:

CERTIFICATION:



PLAN & PROFILE FOR
 PROPOSED OFF-SITE FORCE MAIN SEWER
 WAWASEE MIDDLE SCHOOL

COMM. NO. 8714
 DATE 2/28/89

REVISIONS:

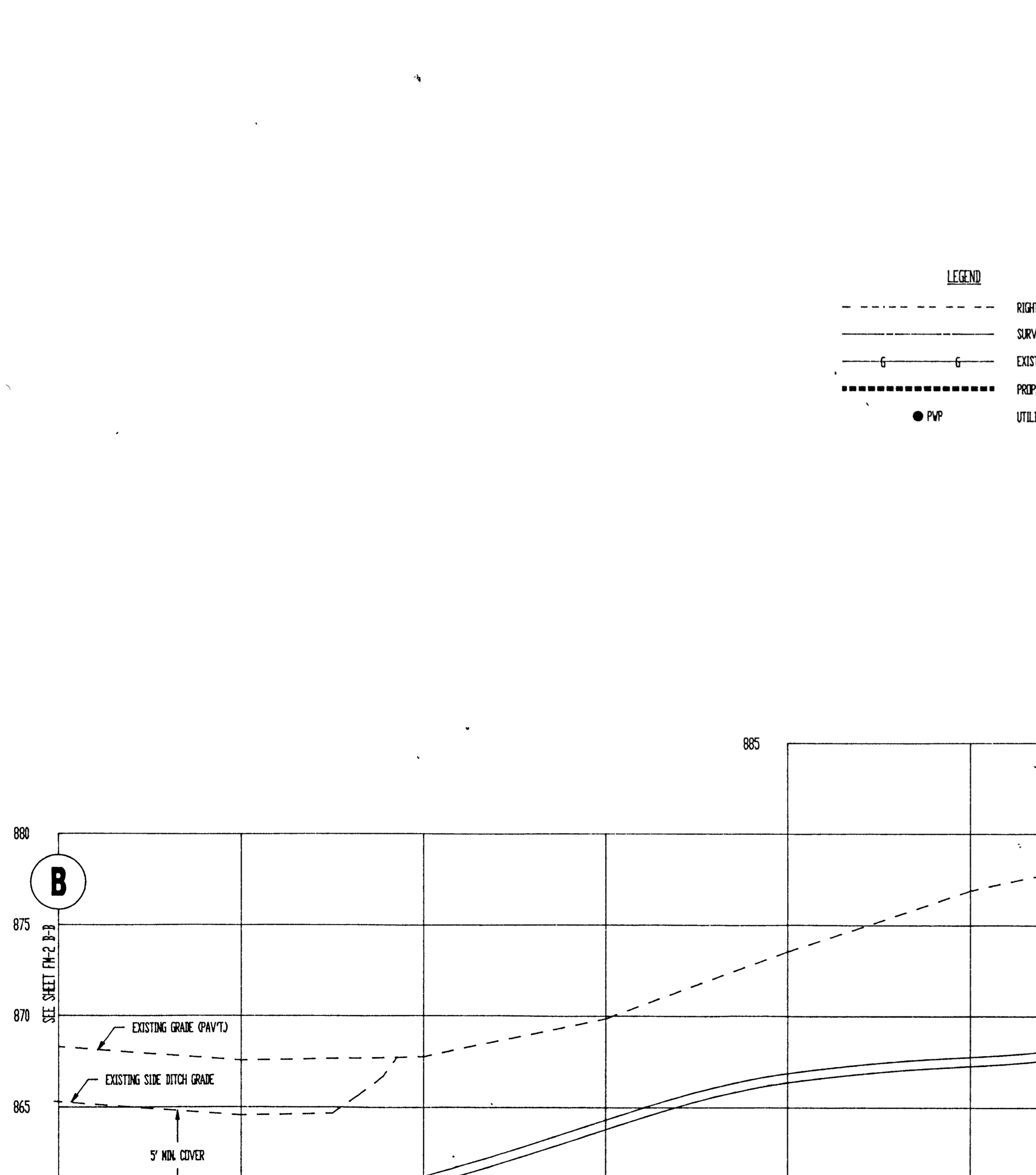
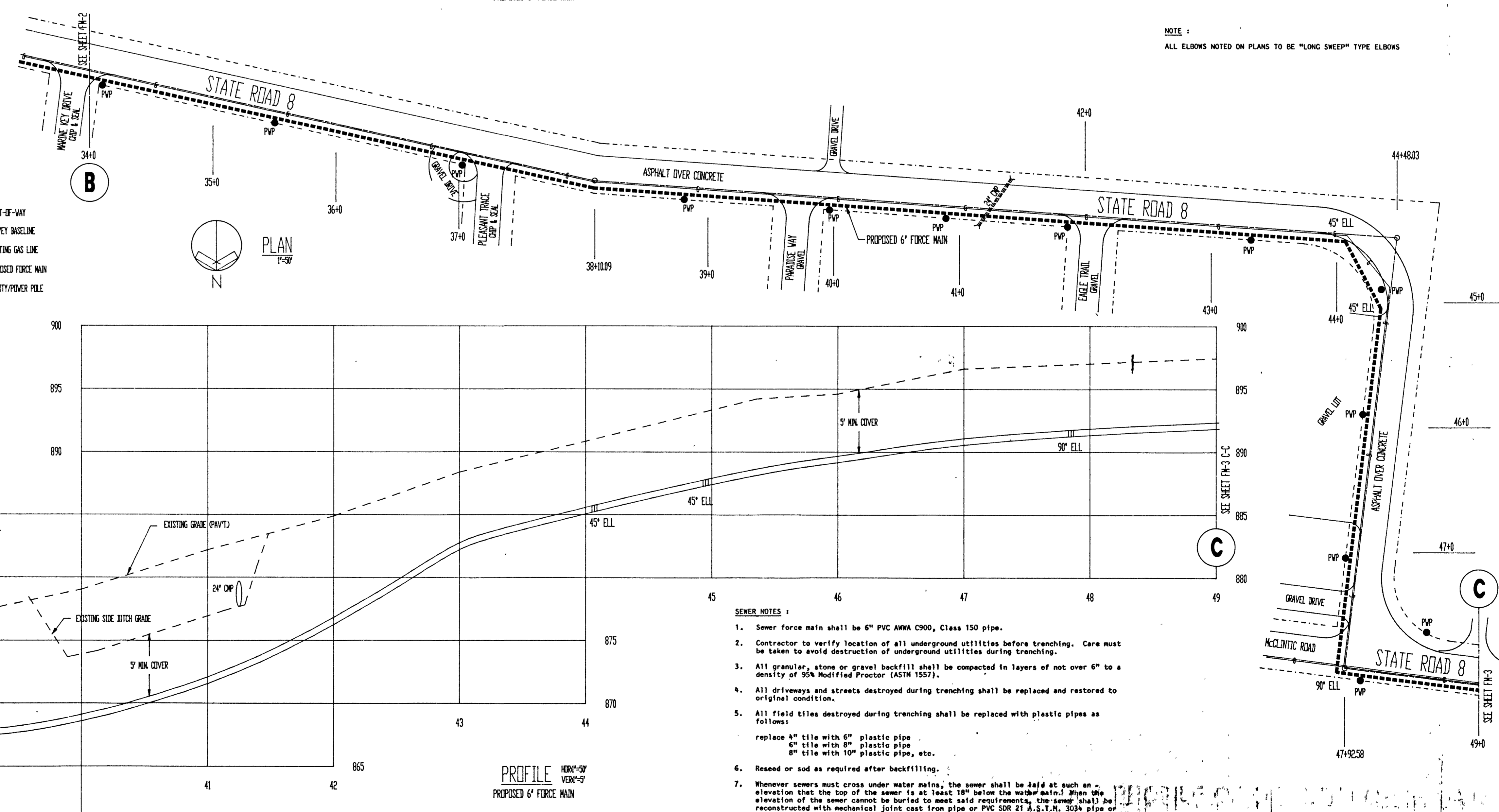
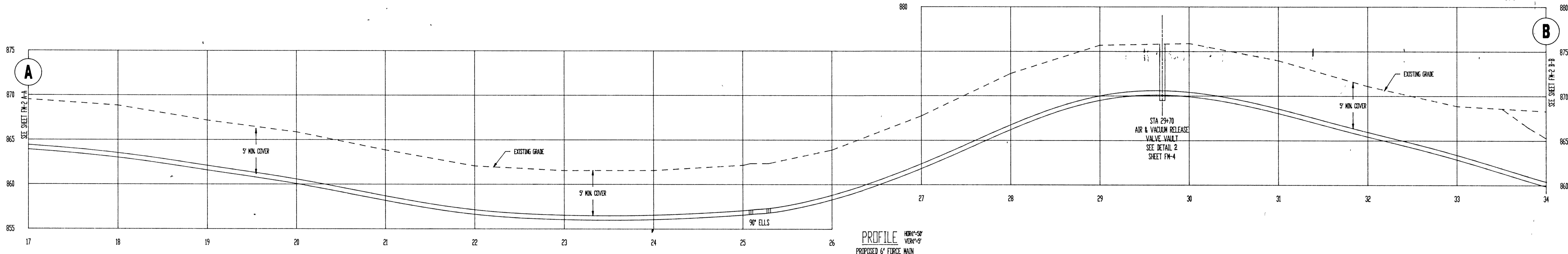
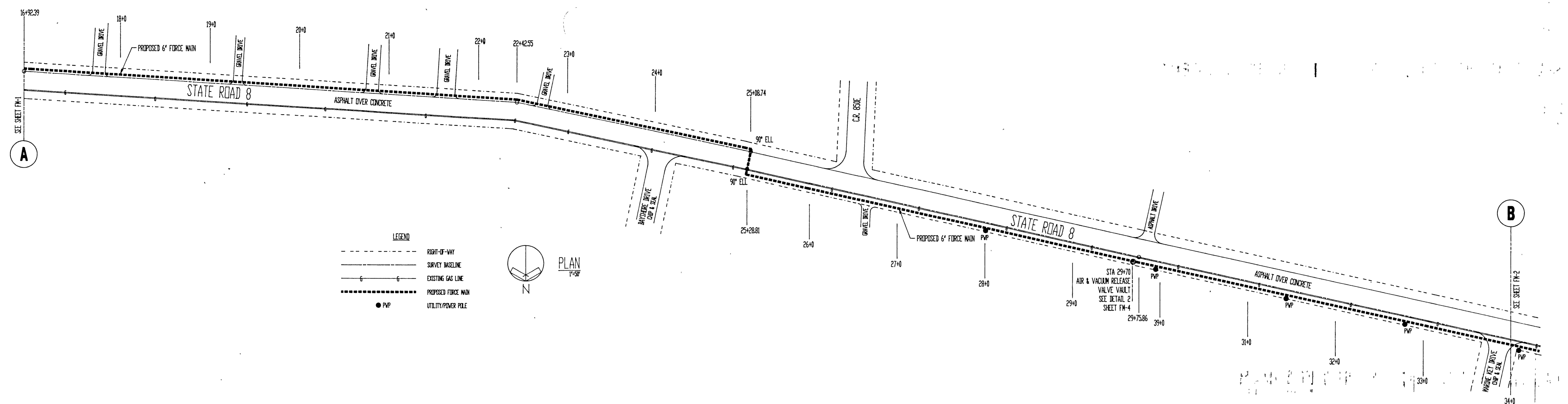
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DATE:
 JAN. 5th, 1989

SCALE:
 AS SHOWN

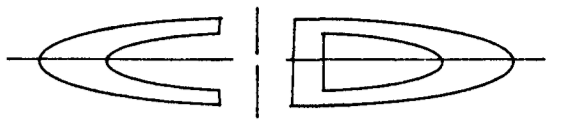
SHEET NO.:

FM-2

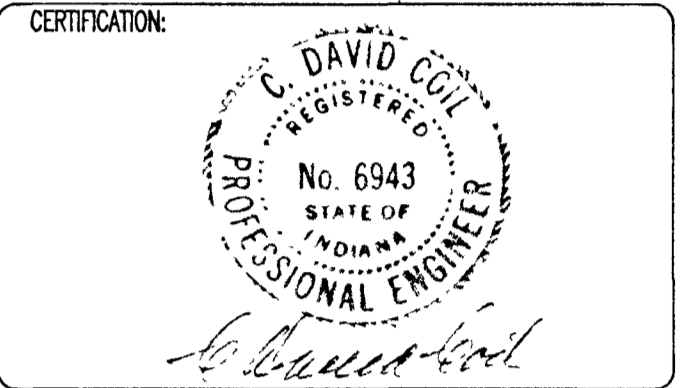


- SEWER NOTES:**
- Sewer force main shall be 6" PVC ANKA C900, Class 150 pipe.
 - Contractor to verify location of all underground utilities before trenching. Care must be taken to avoid destruction of underground utilities during trenching.
 - All granular, stone or gravel backfill shall be compacted in layers of not over 6" to a density of 95% Modified Proctor (ASTM 1557).
 - All driveways and streets destroyed during trenching shall be replaced and restored to original condition.
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 8" tile with 10" plastic pipe, etc.
 - Reseed or sod as required after backfilling.
 - Whenever sewers must cross under water mains, the sewer shall be laid at such an elevation that the top of the sewer is at least 18" below the water main. When the elevation of the sewer cannot be buried to meet said requirements, the sewer shall be reconstructed with mechanical joints cast iron pipe or PVC SDR 21 A.S.T.M. 3038 pipe or A.B.S. Truss pipe for a distance of 10 feet on each side of the water main. One full length of sewer should be centered over the water main so that both joints will be as far from the water main as possible. In all occurrences, where water lines and sanitary sewer lines do not permit a minimum of ten (10) feet horizontal separation, the sewer must be constructed of PVC-SDR-21 pipe with compression joints.
 - All construction shall be performed in accordance with "Recommended Standards for Sewage Works 1978 Edition" (10 Standards).

PLAN & PROFILE OF OFFSITE FORCE MAIN
 SCALE 1" = 50'-0"



CONSULTANTS:



PLAN & PROFILE FOR
 PROPOSED OFF-SITE FORCE MAIN SEWER
 WAWASEE MIDDLE SCHOOL

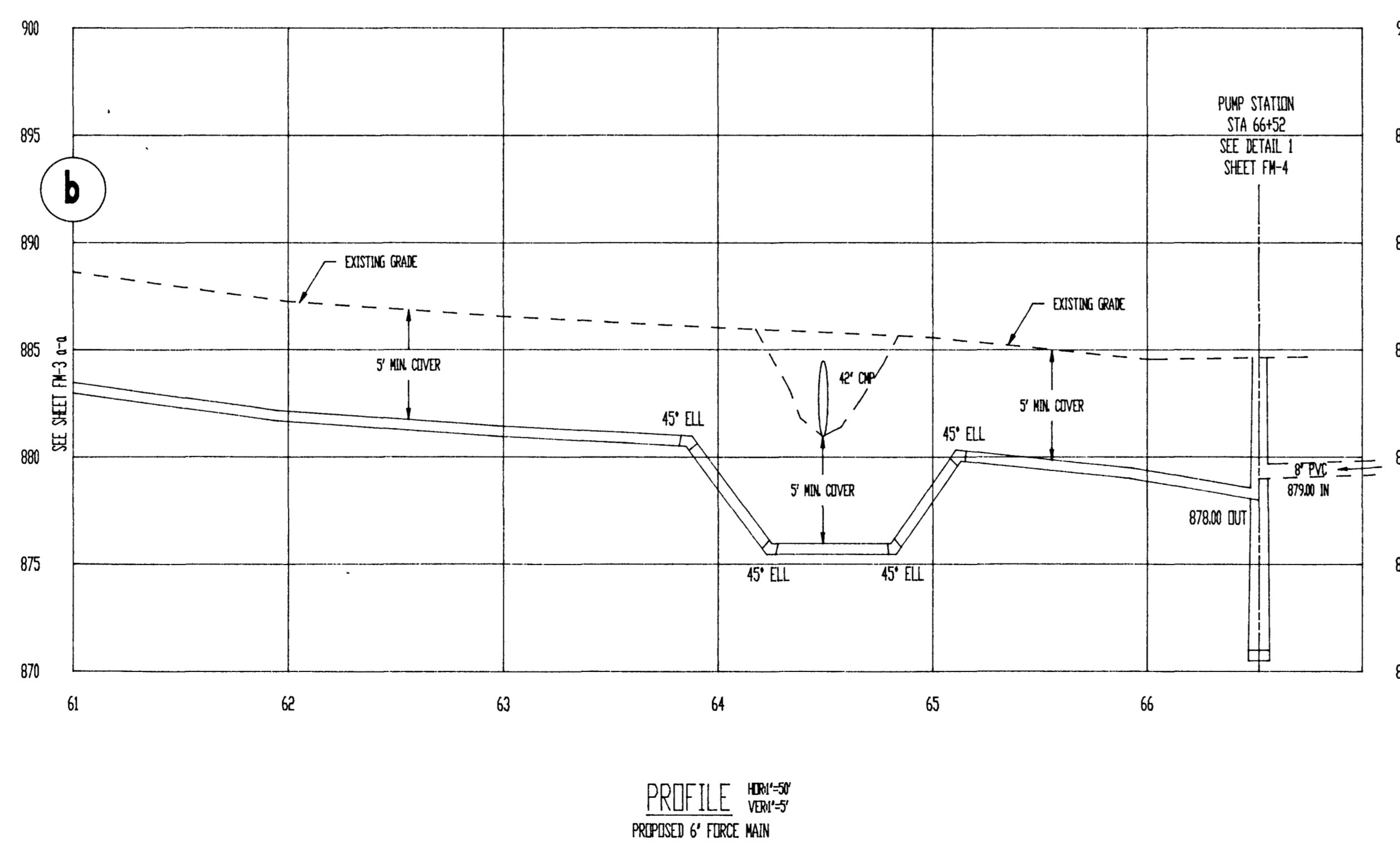
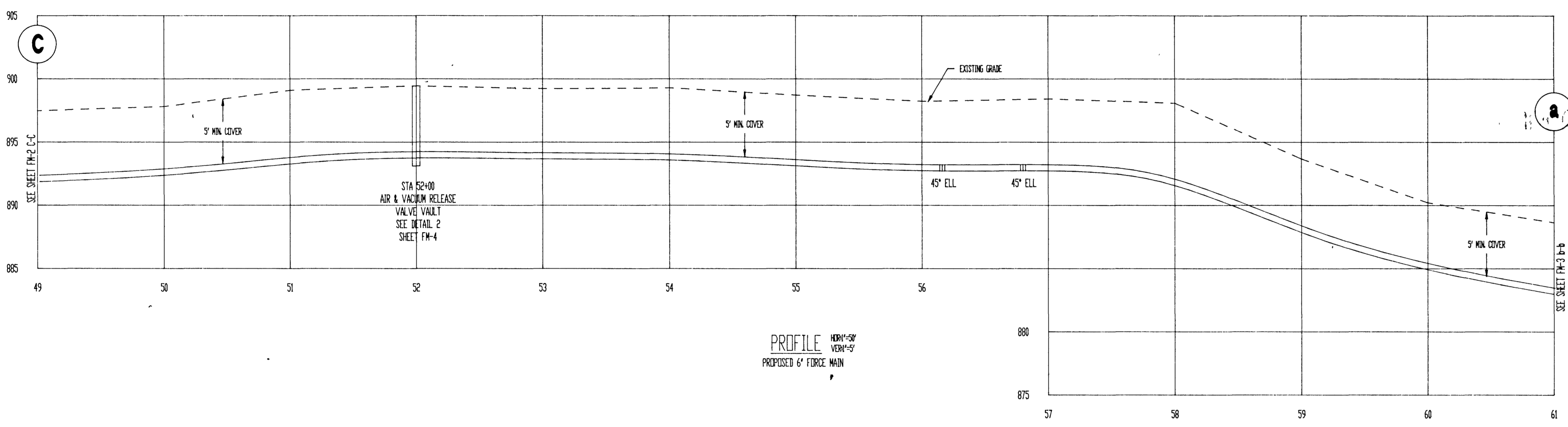
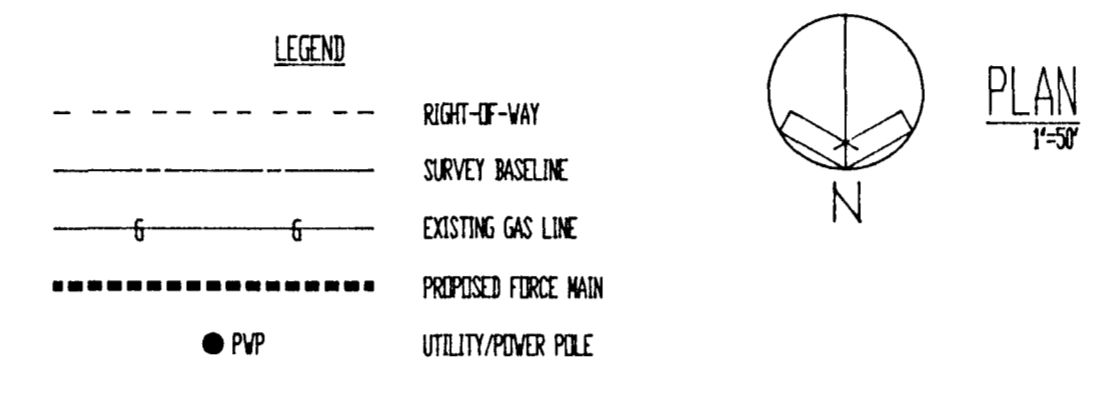
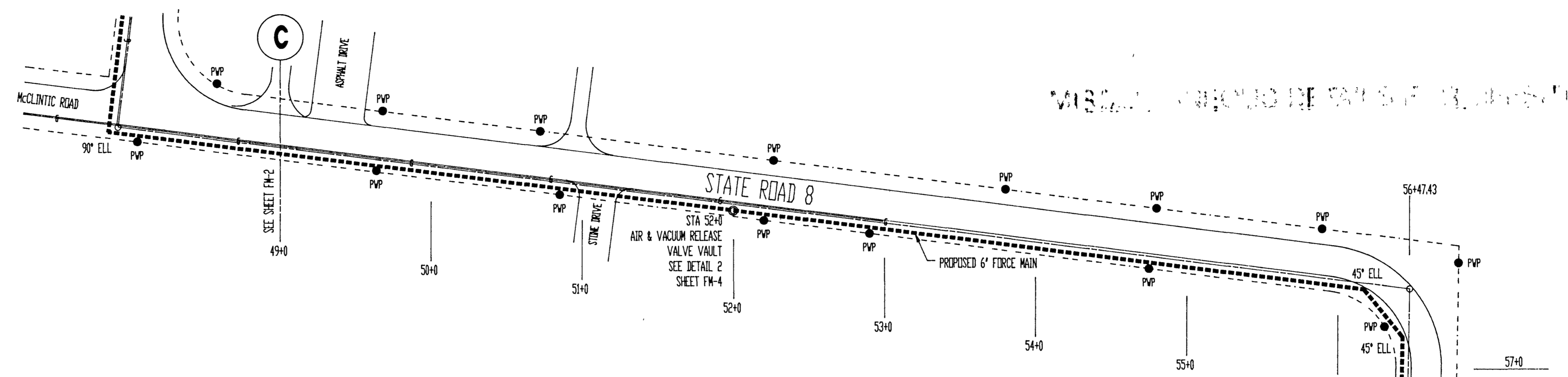
COMM. NO. 8714
 DATE 2/28/89

REVISIONS:

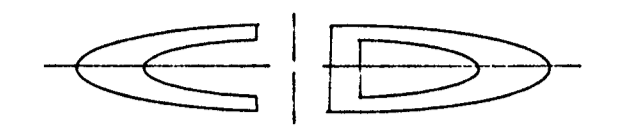
CAD FILE NAME:
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DATE: JAN. 5th, 1989 SCALE: AS SHOWN

SHEET NO:
FM-3



- SEWER NOTES :**
1. Sewer force main shall be 6" PVC AWWA C900, Class 150 pipe.
 2. Contractor to verify location of all underground utilities before trenching. Care must be taken to avoid destruction of underground utilities during trenching.
 3. All granular, stone or gravel backfill shall be compacted in layer of not over 6" to a density of 95% modified Proctor (ASTM 1557).
 4. All driveways and streets destroyed during trenching shall be replaced and restored to original condition.
 5. All field tiles destroyed during trenching shall be replaced with plastic pipes as follows:
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 8" tile with 10" plastic pipe, etc.
 6. Reseed or sod as required after backfilling.
 7. Whenever sewers must cross under water mains, the sewer shall be laid at such an elevation that the top of the sewer is at least 18" below the water main. When the elevation of the sewer cannot be buried to meet said requirements, the sewer shall be reconstructed with mechanical joint cast iron pipe or PVC SDR 21 A.S.T.M. 3034 pipe or A.B.S. Truss pipe for a distance of 10 feet on each side of the water main. One full length of sewer should be centered over the water main so that both joints will be as far from the water main as possible. In all occurrences, where water lines and sanitary sewer lines do not permit a minimum of ten (10) feet horizontal separation, the sewer must be constructed of PVC-SDR-21 pipe with compression joints.
 8. All construction shall be performed in accordance with "Recommended Standards for Sewage Works 1978 Edition" (10 Standards).



6044 E. STATE BOULEVARD
 FORT WAYNE, INDIANA 46815
 219-749-0125

CONSULTANTS:

CERTIFICATION:



David G. Coil

MISCELLANEOUS DETAILS FOR
 PROPOSED OFF-SITE FORCE MAIN SEWER
 WAWASEE MIDDLE SCHOOL

COMM. NO. 8714
 DATE 2/28/89

REVISIONS:

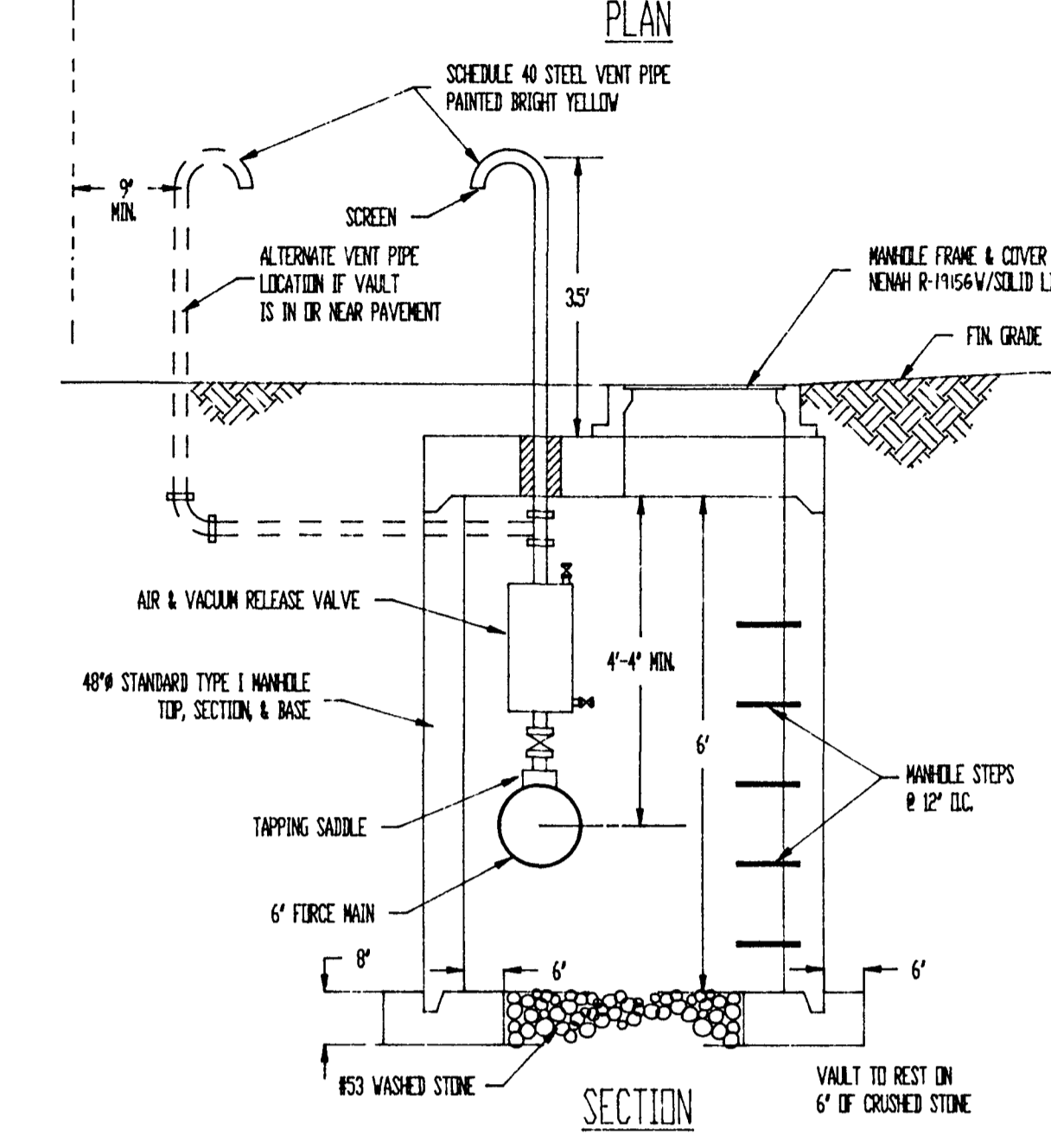
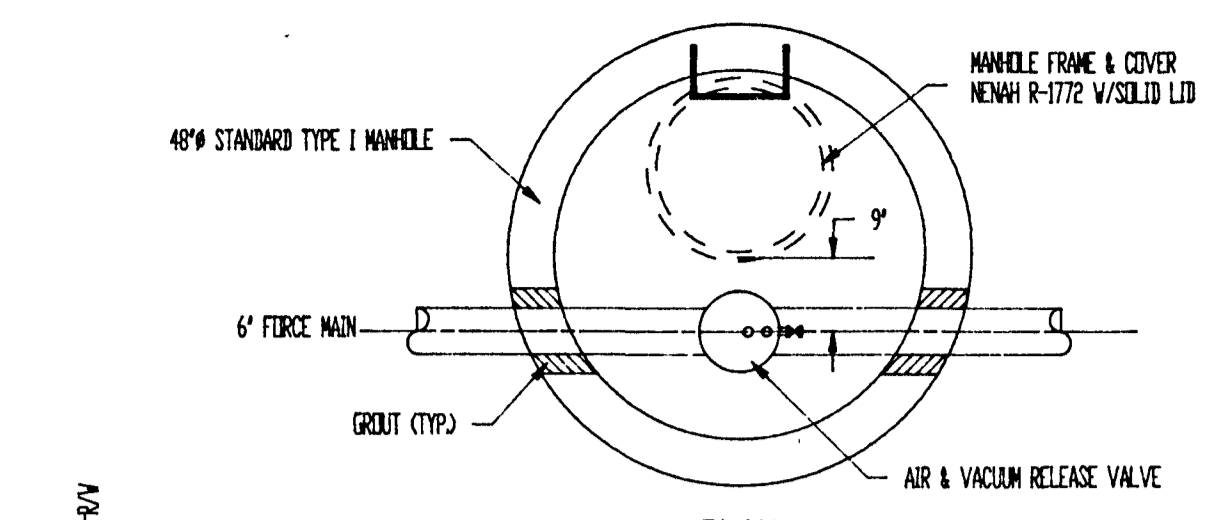
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DATE:
 JAN. 5th, 1989

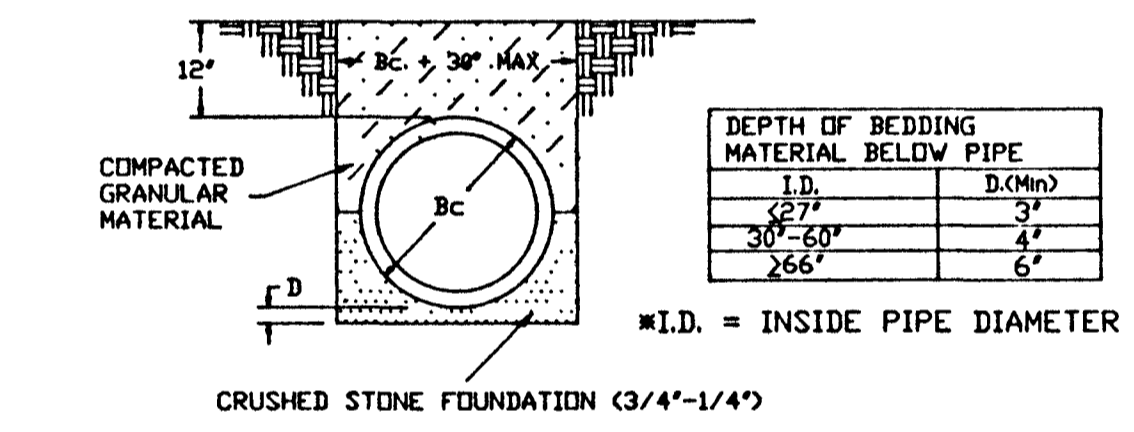
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SHEET NO:

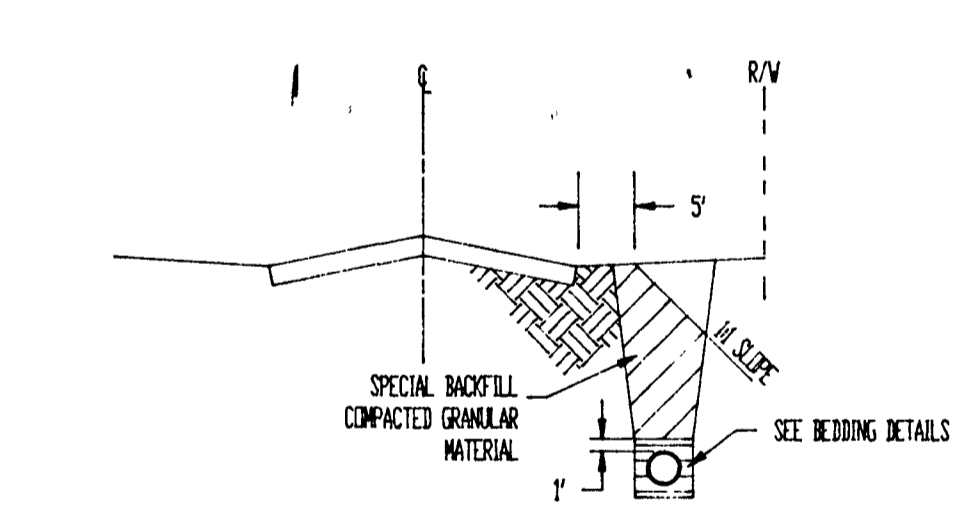
FM-4



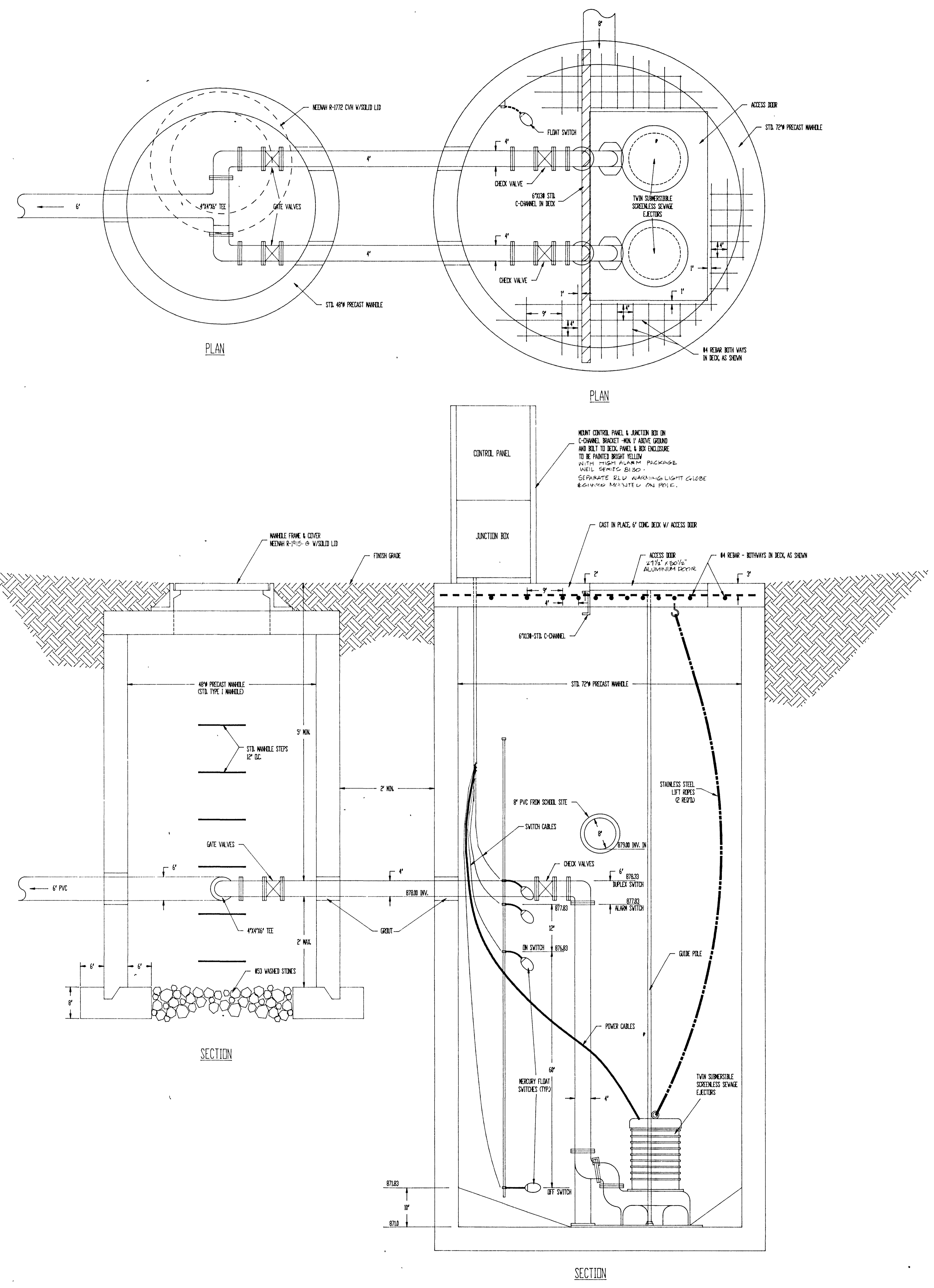
2 AIR & VACUUM RELEASE VALVE VAULT
 NTS



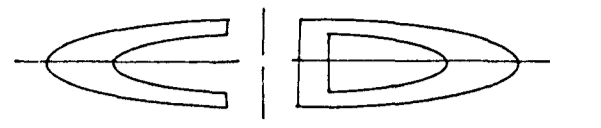
4B TYP. CLASS II PIPE BEDDING FOR FLEXIBLE CONDUITS
 NTS



4B TYP. BACKFILL DETAIL FOR SEWER IN R/W
 NTS



1 PUMPING STATION DETAIL
 NTS



CONSULTANTS

CERTIFICATION

[Signature]
10/12/88

PROPOSED PLAN OF
OUTFALL SANITARY SEWER
FOR
WAWASEE MIDDLE SCHOOL

COMM. NO. 8714
DATE 2/28/89

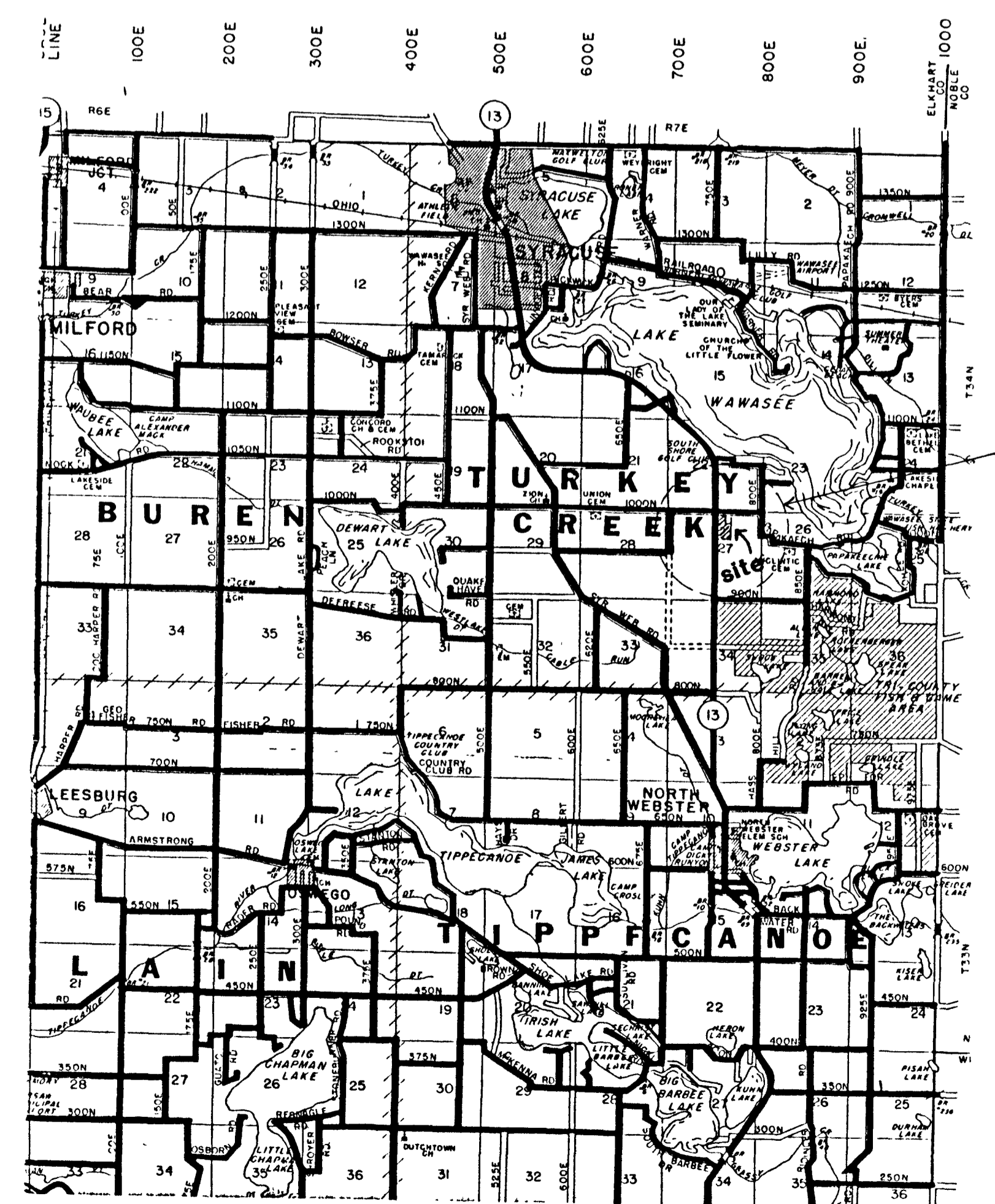
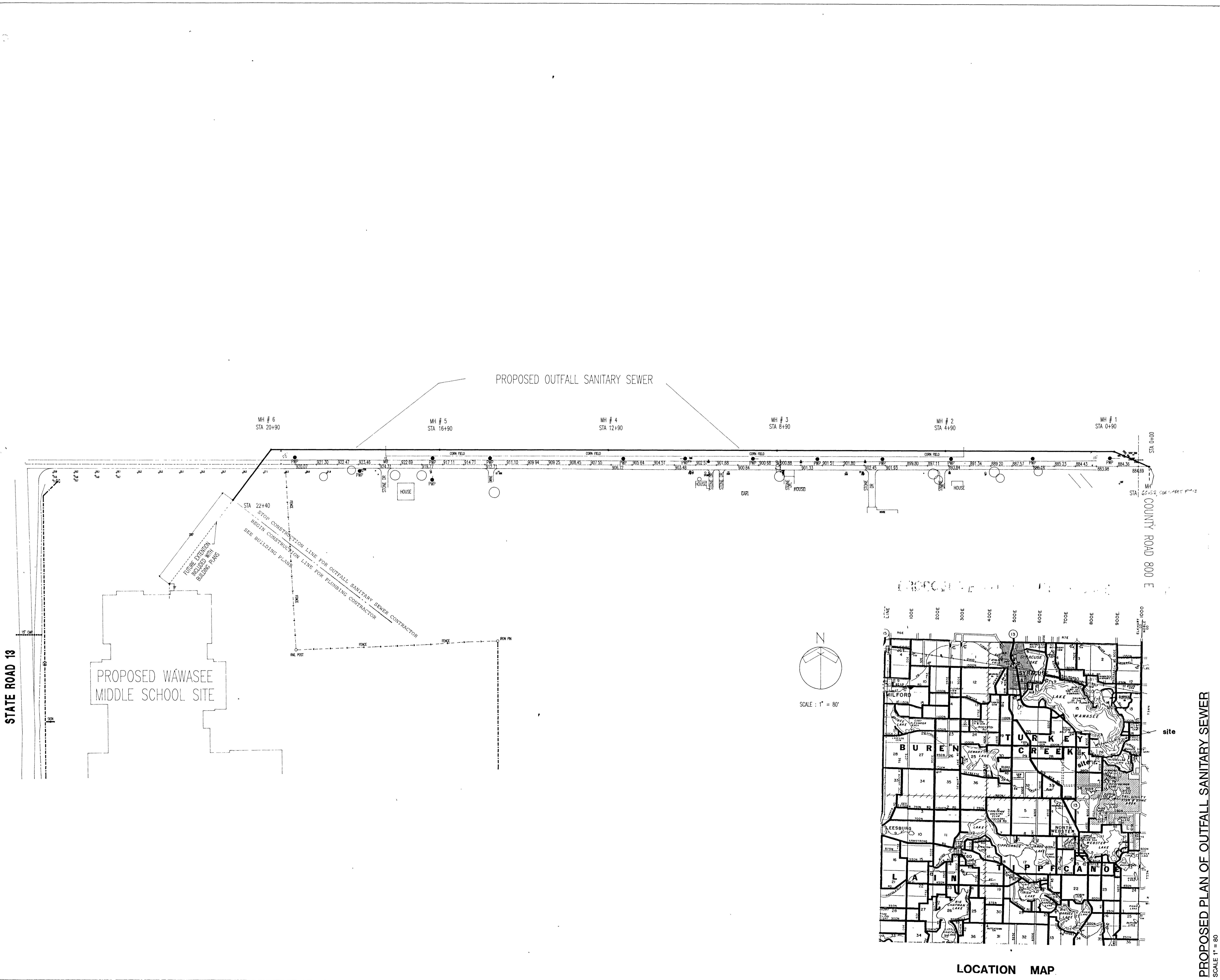
REVISIONS

NO. 1 10/12/88

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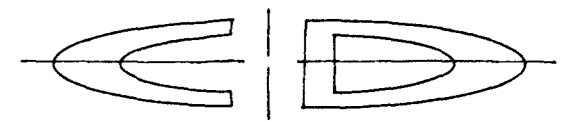
DATE: OCTOBER 6, 1988 SCALE: 1" = 80'

SHEET NO.
SS-1



LOCATION MAP

PROPOSED PLAN OF OUTFALL SANITARY SEWER
SCALE 1" = 80'



CONSULTANTS

CERTIFICATION

 W. J. Dickmeyer
 10/18/88

PROPOSED PROFILE OF THE
 OUTFALL SANITARY SEWER
 FOR WAWASEE MIDDLE SCHOOL

COMM. NO. 8714
 DATE 2/28/89

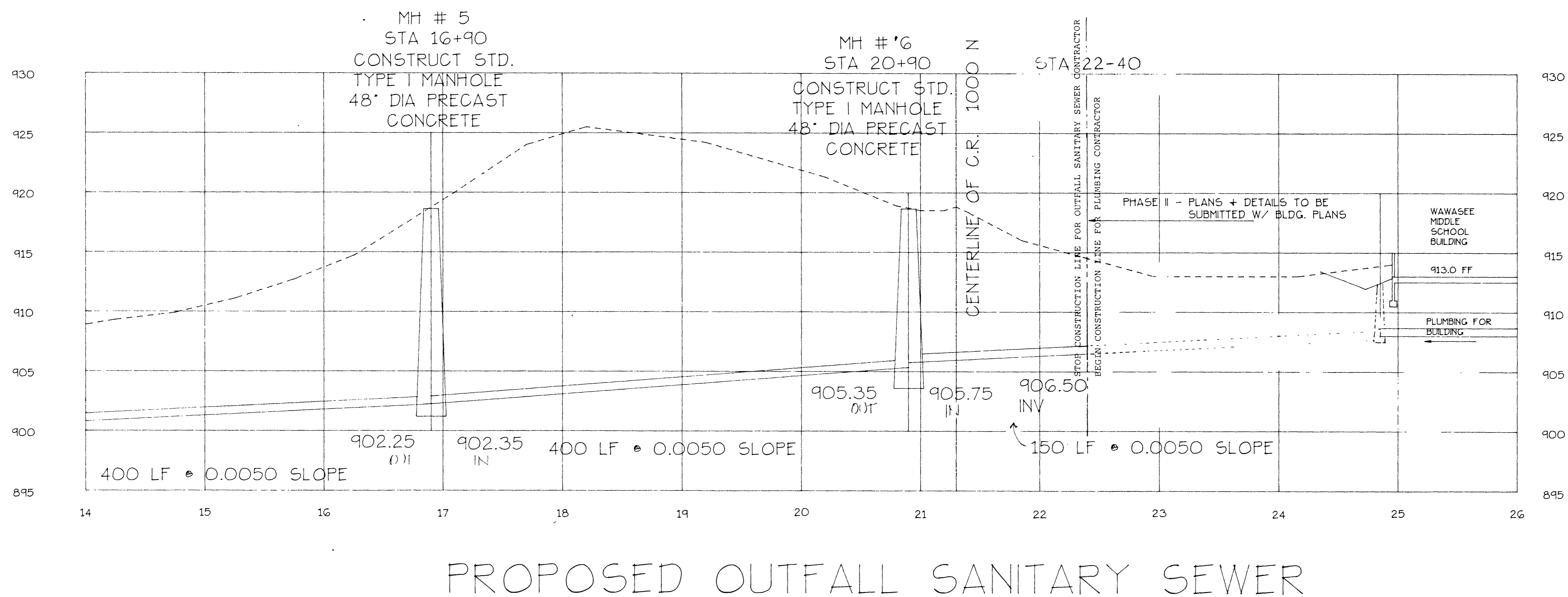
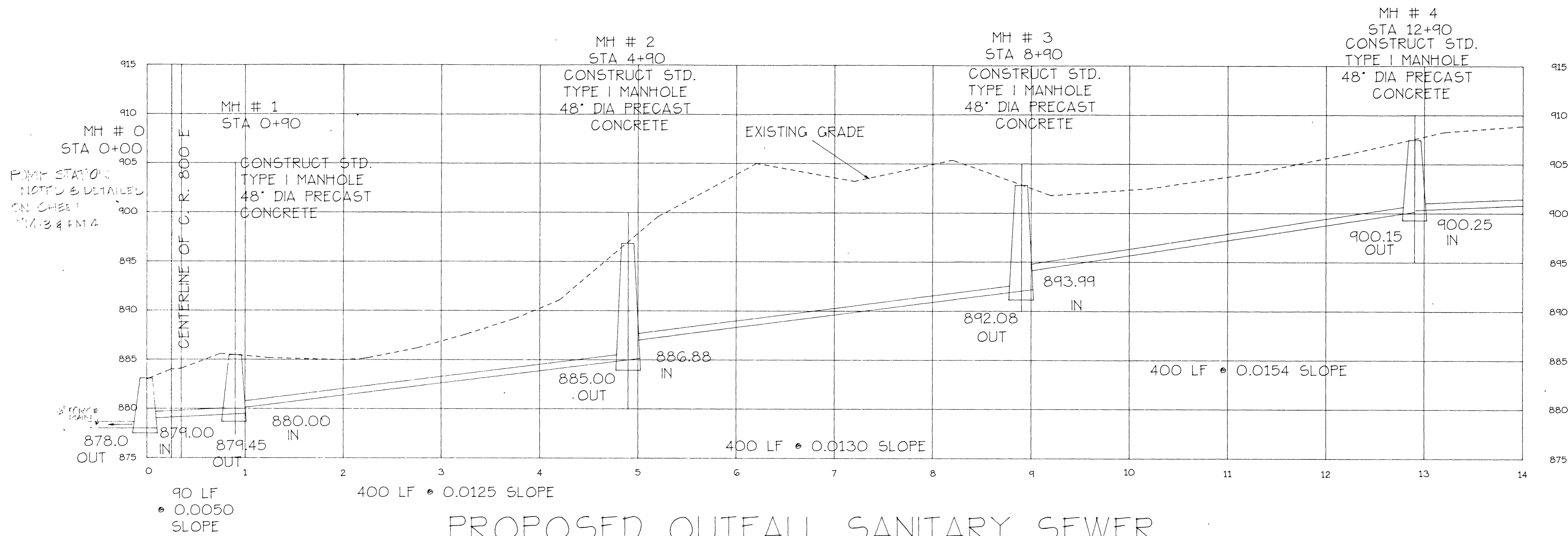
REVISIONS:
 Revised Notes & Tank - 1/8/89

CAD FILE NAME:
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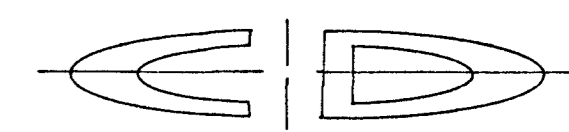
DATE:
 OCTOBER 3, 1988

SCALE:
 HORIZ: 1"=50', VERT: 1"=5'

SHEET NO:
SS-2



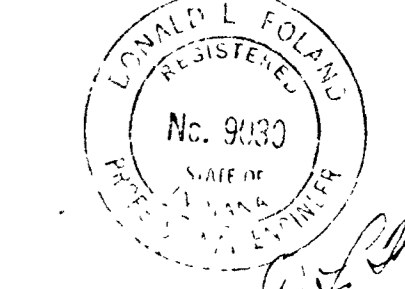
NOTE:
 1. ALL SEWER PIPE TO BE 8" DIA. PVC, SDR-35, ASTM D3034
 2. REFER TO SHEET SS-3 FOR DETAILS + SPECS.



6044 E. STATE BOULEVARD
 FORT WAYNE, INDIANA 46815
 219-749-0125

CONSULTANTS:

CERTIFICATION:



PROPOSED DETAILS OF THE
 OUTFALL SANITARY SEWER
 FOR WAWASEE MIDDLE SCHOOL

COMM NO 8714
 DATE 2/28/89

REVISIONS:

CAD FILE NAME: 8\WAWASEE\WMAO2ET.DWG

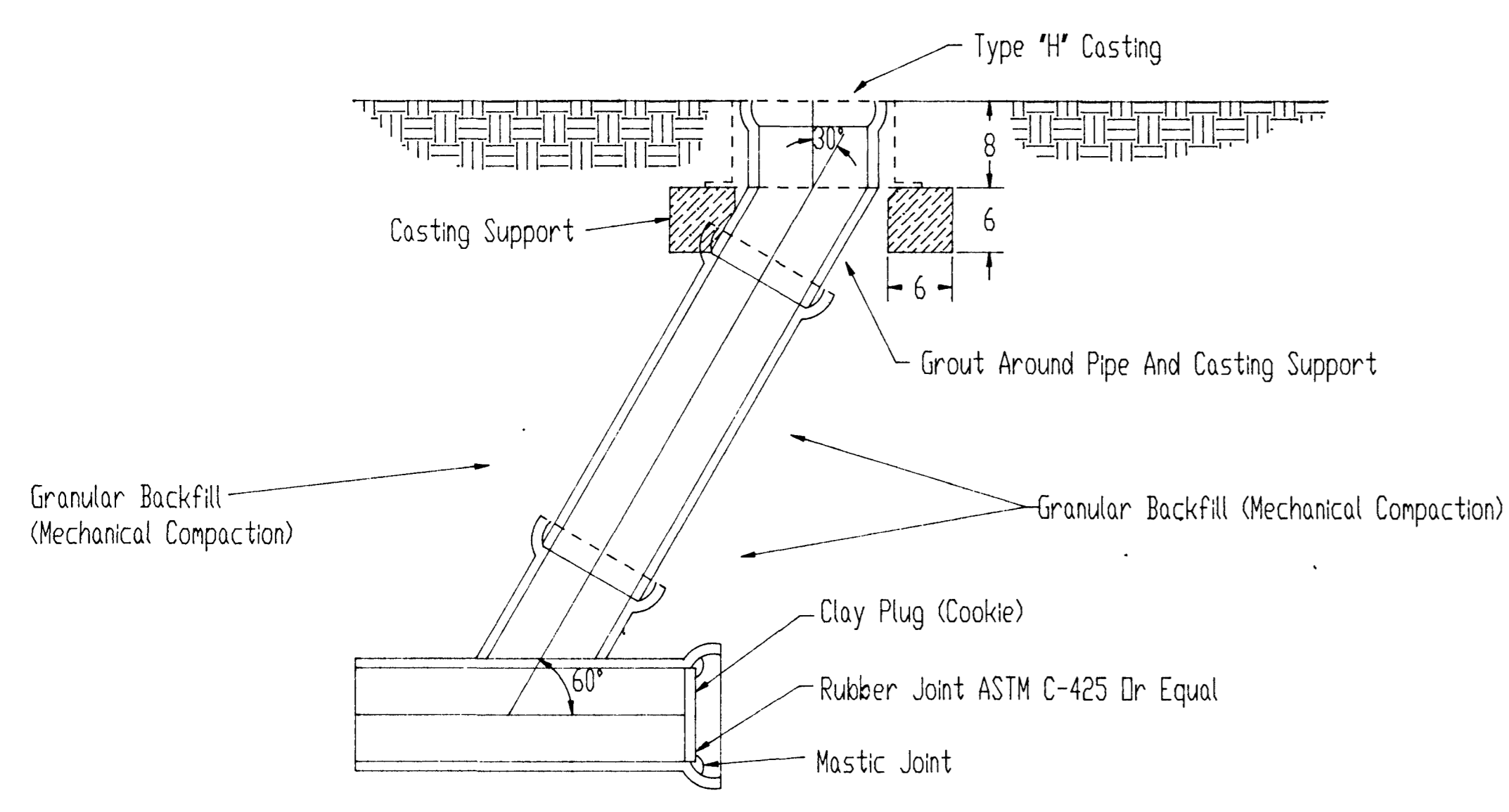
DATE: OCTOBER 3, 1988

SCALE: HORIZ: 1"=50', VERT: 1"=5'

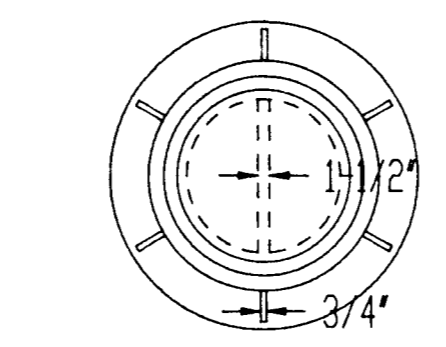
SHEET NO.

SS-3

PROPOSED PLAN OF OUTFALL SANITARY SEWER

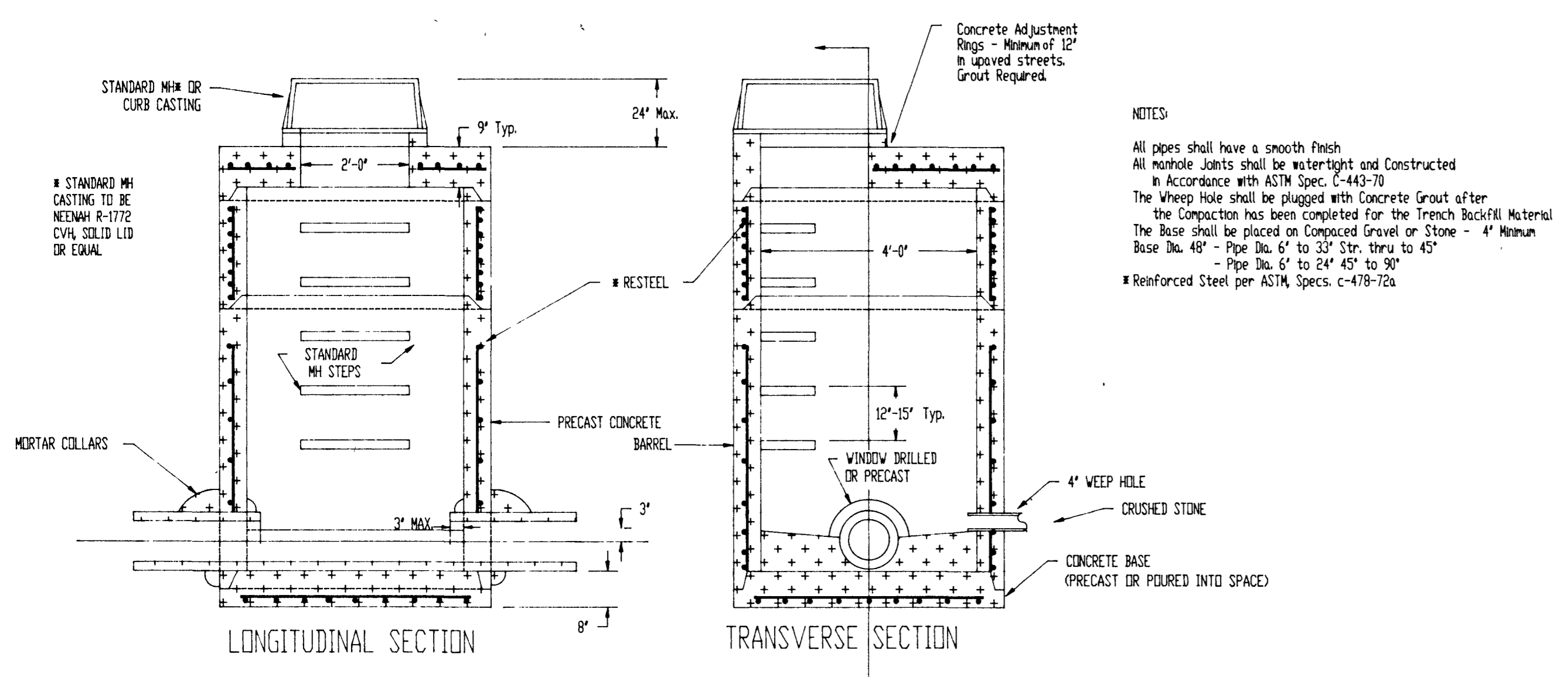


1 STANDARD SANITARY CLEANOUT

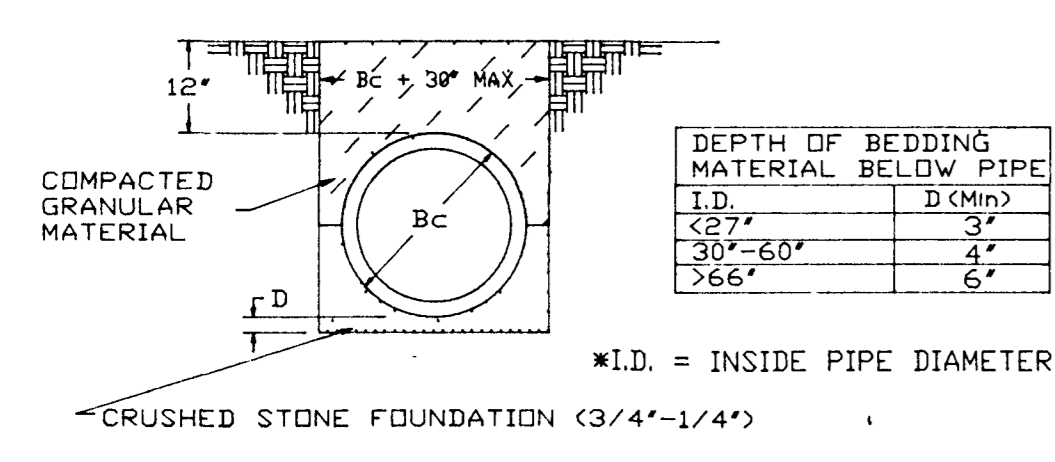


Heavy Duty Weight 95 Lbs.
 Or Approved Equal.

2 TYPE H CASTING

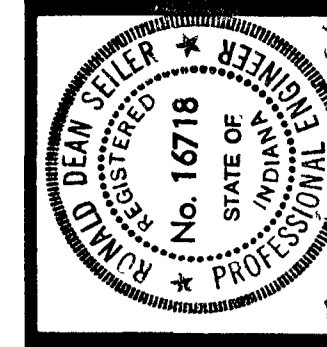


3 STANDARD MANHOLE - TYPE I

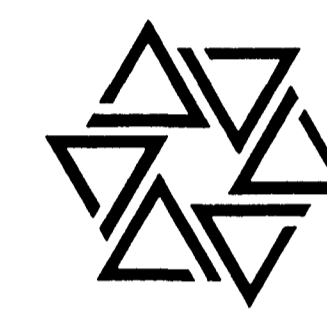


4 TYPICAL CLASS 4 PIPE BEDDING FOR FLEXIBLE CONDUITS

- SANITARY SEWER CONSTRUCTION STANDARDS AND SPECIFICATIONS
- All construction and materials shall conform to the Kosciusko County Sewer Department.
 - All Polyvinyl Chloride Pipe (PVC) shall conform to ASTM Specification D-3034, Class 125A-B ASTM D-1784.
 - All PVC joints shall conform to ASTM Specification D-3212 for elastomeric gasket joints conforming to ASTM F-477.
 - All sewer to meter main separation distances shall conform with Section 29 of the Recommended Standards for Sewage Works, 1978 Revised Edition. Whenever sewers must cross under meter mains, the sewer shall be laid at such an elevation that the top of the sewer is at least 18" below the meter main. When the elevation of the sewer cannot be buried to meet said requirements, the sewer shall be reconstructed with mechanical joint cast iron pipe or PVC, SDR 21, A.S.T.M. 3034, for a distance of 10 feet on each side of the meter main. One full length of sewer should be centered over the meter main so that both joints will be as far from the meter main as possible. In all occurrences, where meter lines and sanitary sewer lines do not permit a minimum of ten (10) feet horizontal separation, the sewer must be constructed of PVC-SDR-21 pipe with compression joints.
 - Pipe Bedding - Class "B" Bedding for rigid pipe or Class "I" for flexible pipe shall be bedded in granular fill which shall be carried 12 inches above the top of pipe.
 - All manholes to be Standard Type I, 48 inch diameter precast reinforced concrete, unless otherwise noted.
 - All pre-cast concrete manhole components (cones, adjusting rings, sections, etc.) shall conform to ASTM Specification C-478.
 - All manhole frames to be Menah R-1772 casting with solid lids or equal, unless otherwise noted.
 - All sewer trenches within the road right-of-way, under parking lots, drives, sidewalks and existing pipes shall be backfilled with # 23 aggregate, compacted, unless otherwise noted.
 - Any existing pipe or tiles which are out during construction shall be replaced with equal or better materials and construction methods.
 - Any pavement or improved road surface or sidewalk cut during construction shall be replaced with equal or better materials and construction methods.
 - All graded areas which are disturbed during the course of construction shall be seeded with comparable grass seed and covered with straw. Water shall be applied as required to assure growth.
 - All areas disturbed during construction shall be regraded to the original contours prior to completion of project.
 - Infiltration/Exfiltration into pipe shall not exceed 200 gallons per inch of pipe diameter per day per mile of pipe. It shall be the responsibility of the Contractor to arrange for the testing and to provide certified tests to the Engineer. Results of the testing shall be provided to this office 30 days after completion of construction.
 - All permits required for the execution of the work shall be obtained and paid for by the Contractor except the Contractor shall not be responsible for the payment of area connection fees.
 - It shall be the responsibility of the Contractor to provide to the Owner at time of completion of sewer installation detailed plan and profile indicating "As-Built" elevations on the inverts and rims of each manhole along with horizontal dimensions locating all manholes and cleanouts. These plans are to be prepared, signed and sealed by a Registered Land Surveyor and submitted to the Indiana State Board of Surveyors.
 - Deflection tests shall be performed on all flexible pipe after the final backfill has been in place at least 30 days. No pipe shall exceed a vertical deflection of 5%. Deflection test results shall be submitted with the infiltration/exfiltration test results. (The following are considered manhole pipe: vitrified clay pipe, concrete pipe, ductile iron pipe, cast iron pipe, asbestos cement pipe.)
 - Sewer force main shall be 6" PVC ANKA C900, Class 150 pipe.
 - Contractor to verify location of all underground utilities before trenching. Care must be taken to avoid destruction of underground utilities during trenching.
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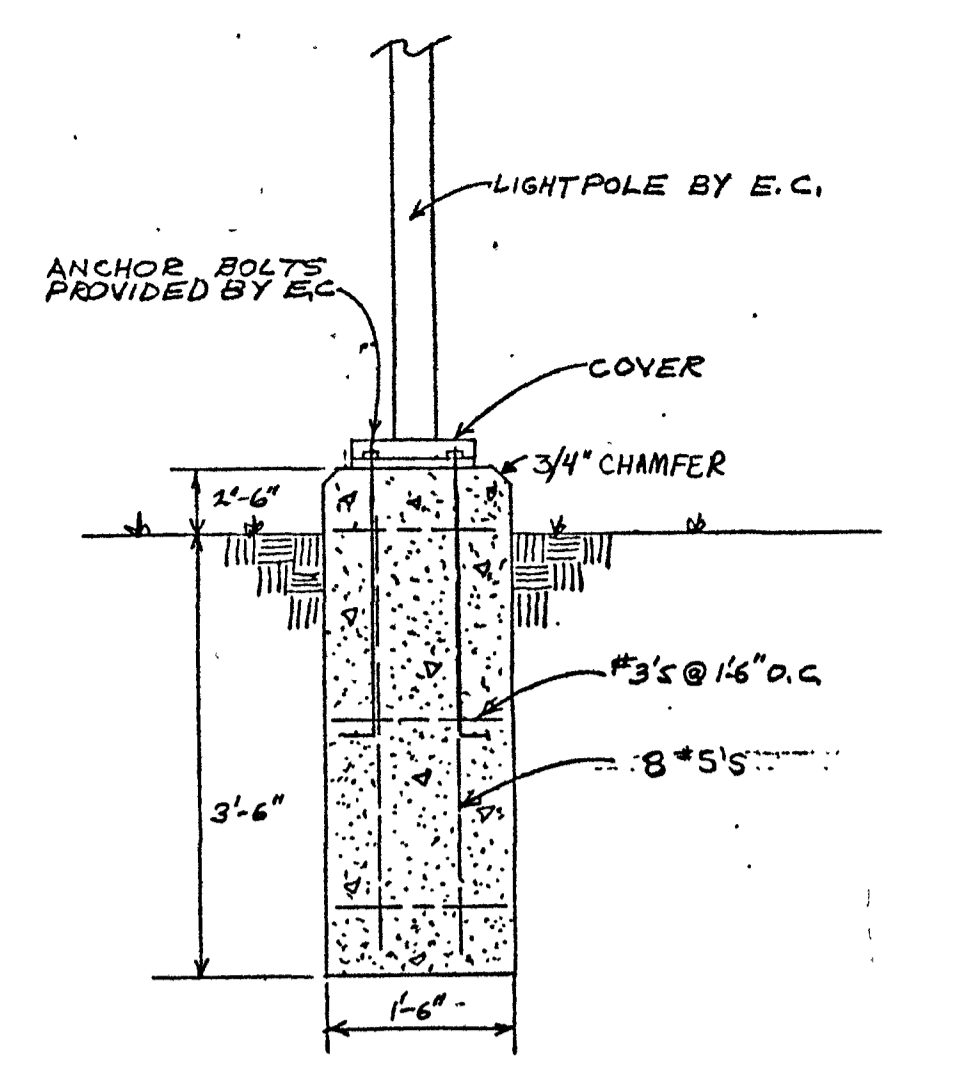
BARTON • COE • VILAMA A
ARCHITECTS • ENGINEERS, INC.
FORT WAYNE, INDIANA



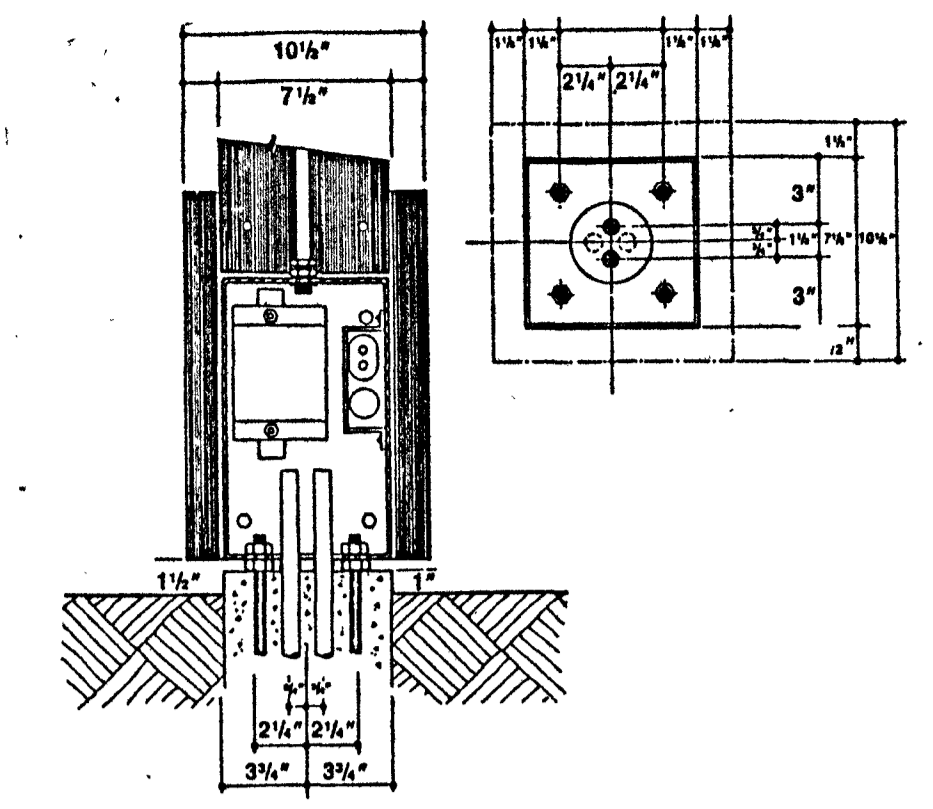
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

COMM. NO. 8714
DATE 2-28-89
DRAWN BY

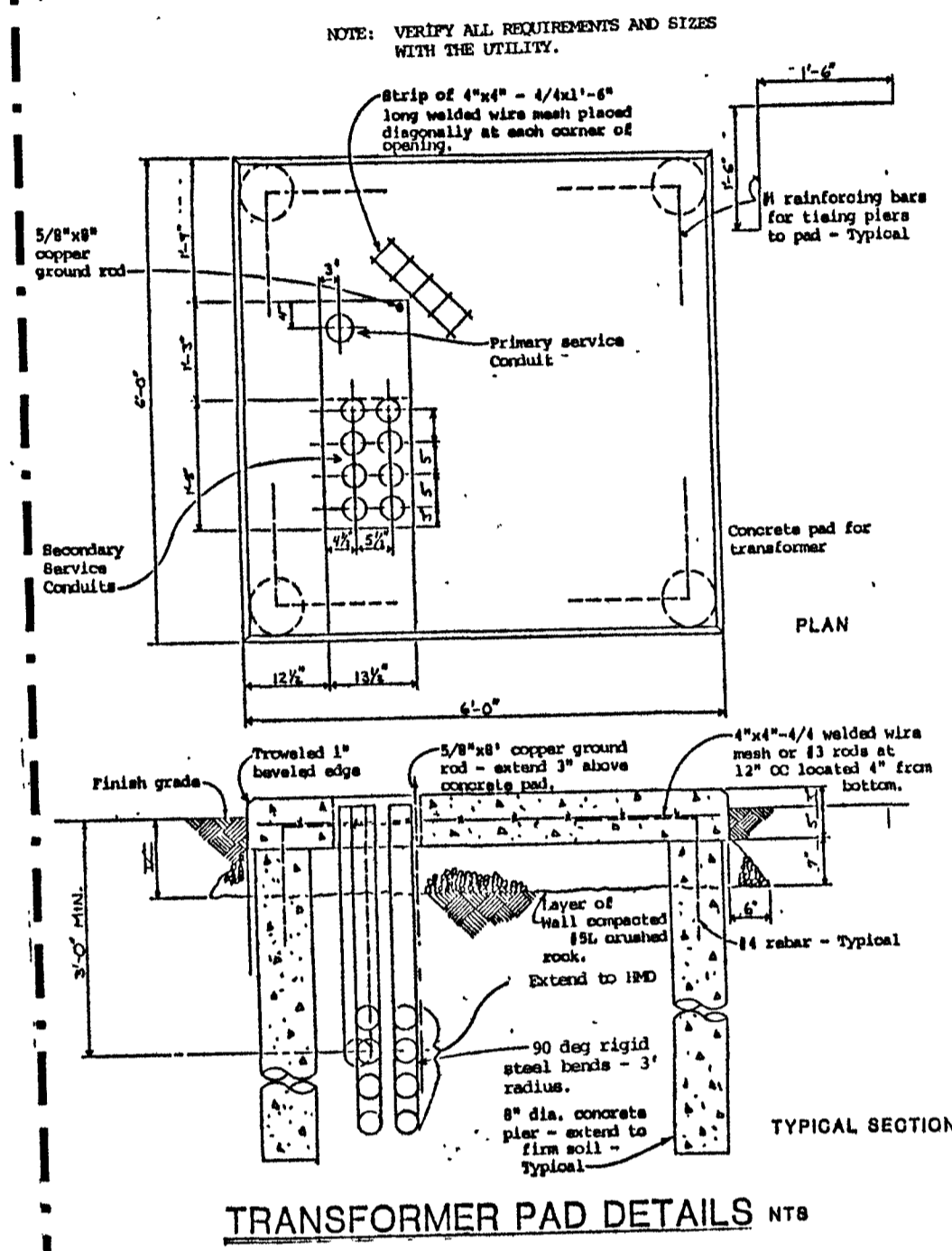
SE1



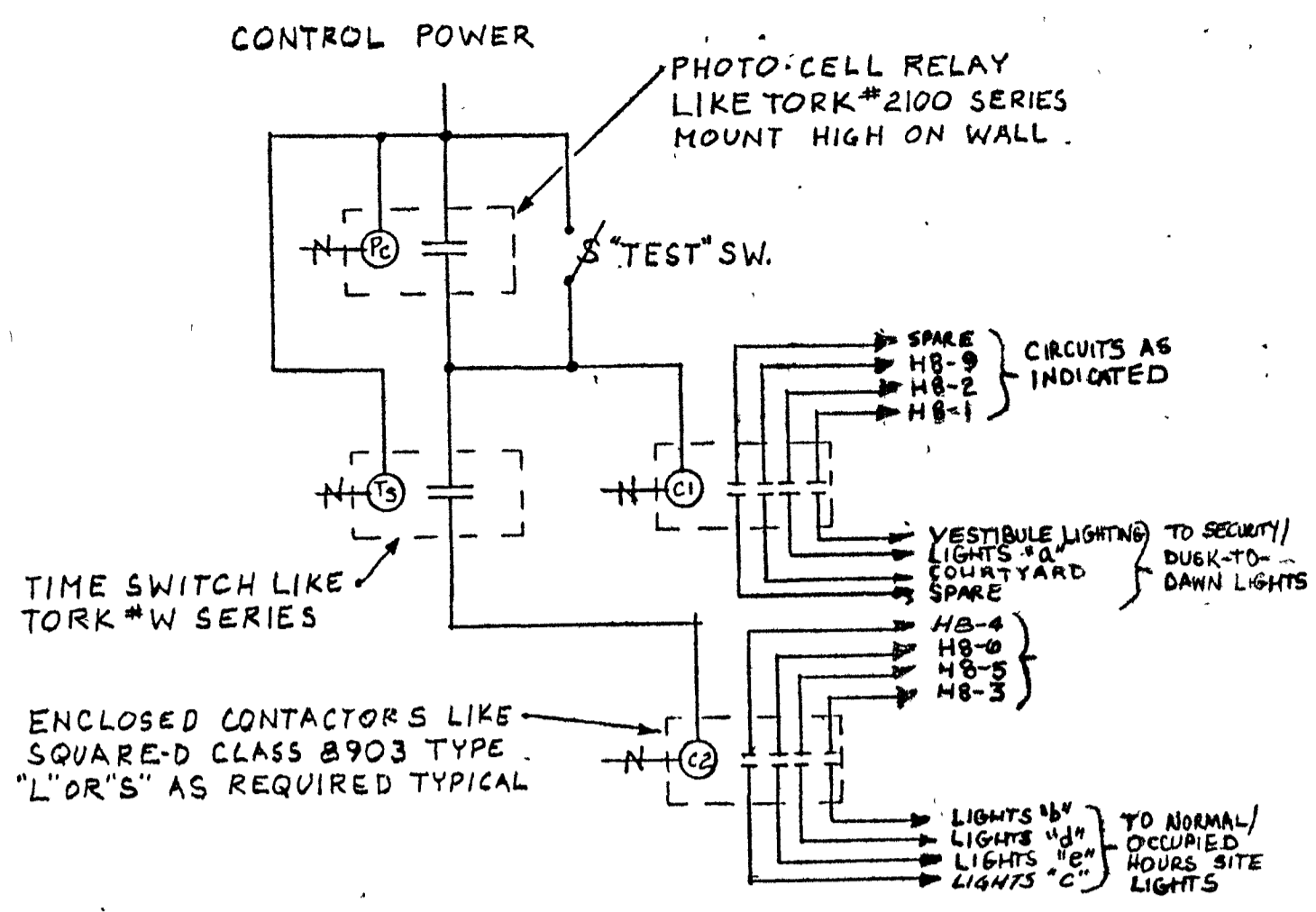
POLE BASE DETAIL FOR LP-A & LP-B NTS



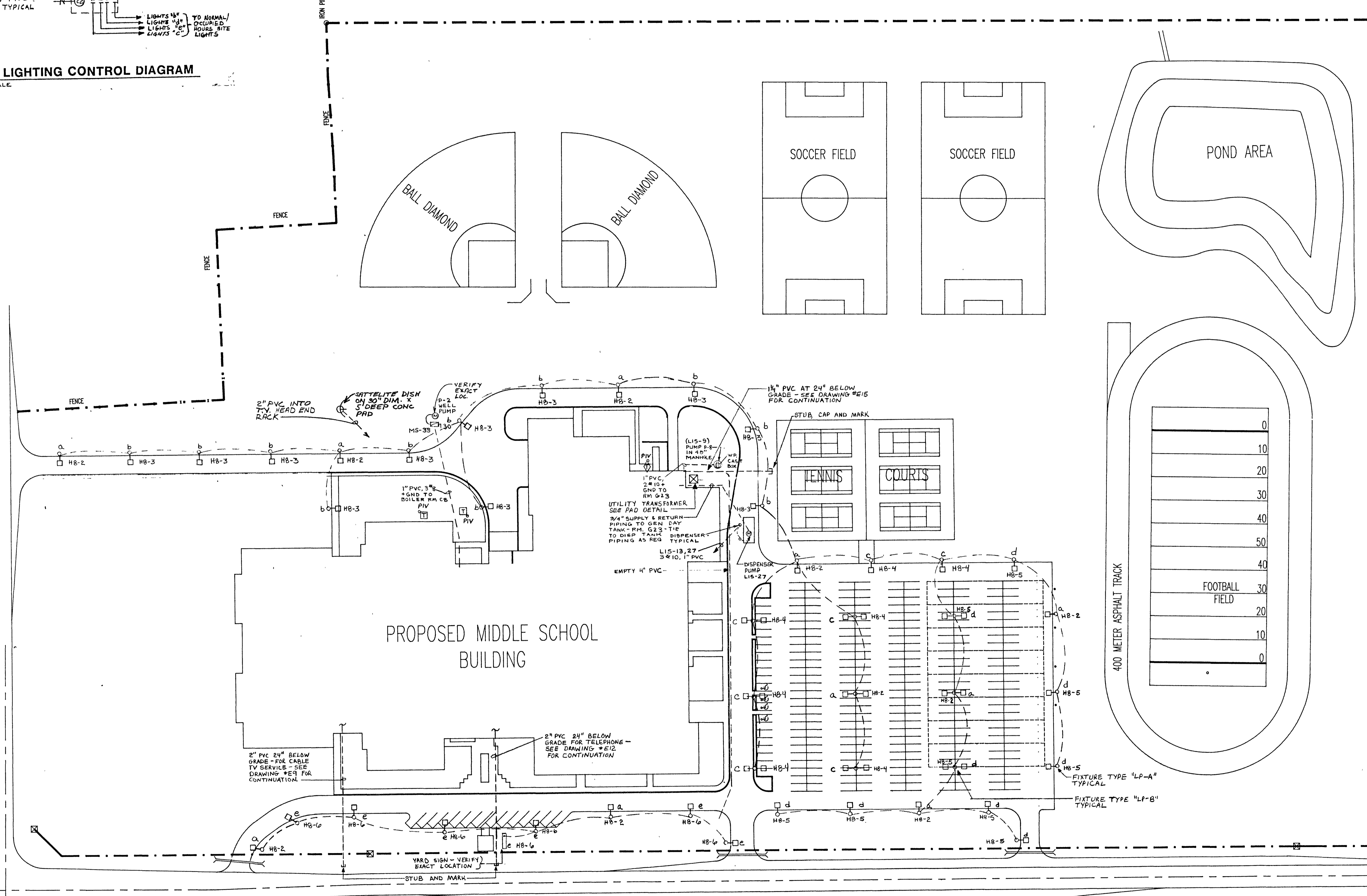
BASE DETAIL FOR K12 NTS



TRANSFORMER PAD DETAILS NTS



SITE LIGHTING CONTROL DIAGRAM
NO SCALE

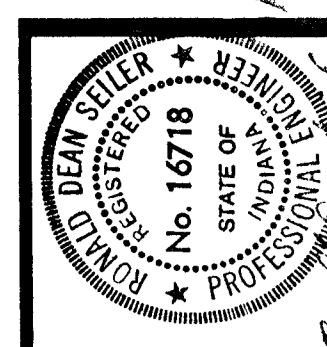


NOTES:
1. THE E.C. IS TO COORDINATE INSTALLATION OF ALL NEW SERVICES WITH UTILITIES.
2. VERIFY EXACT LOCATIONS OF P.I.V.'S.

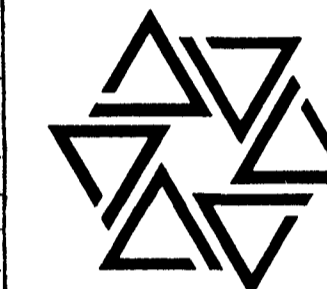
STATE ROAD 13

COUNTY ROAD 1000 NORTH

ELECTRICAL SITE PLAN
SCALE: 1" = 60'-0"



BARTON • COE • VILAMAA
 ARCHITECTS • ENGINEERS, INC.
 FORT WAYNE, INDIANA

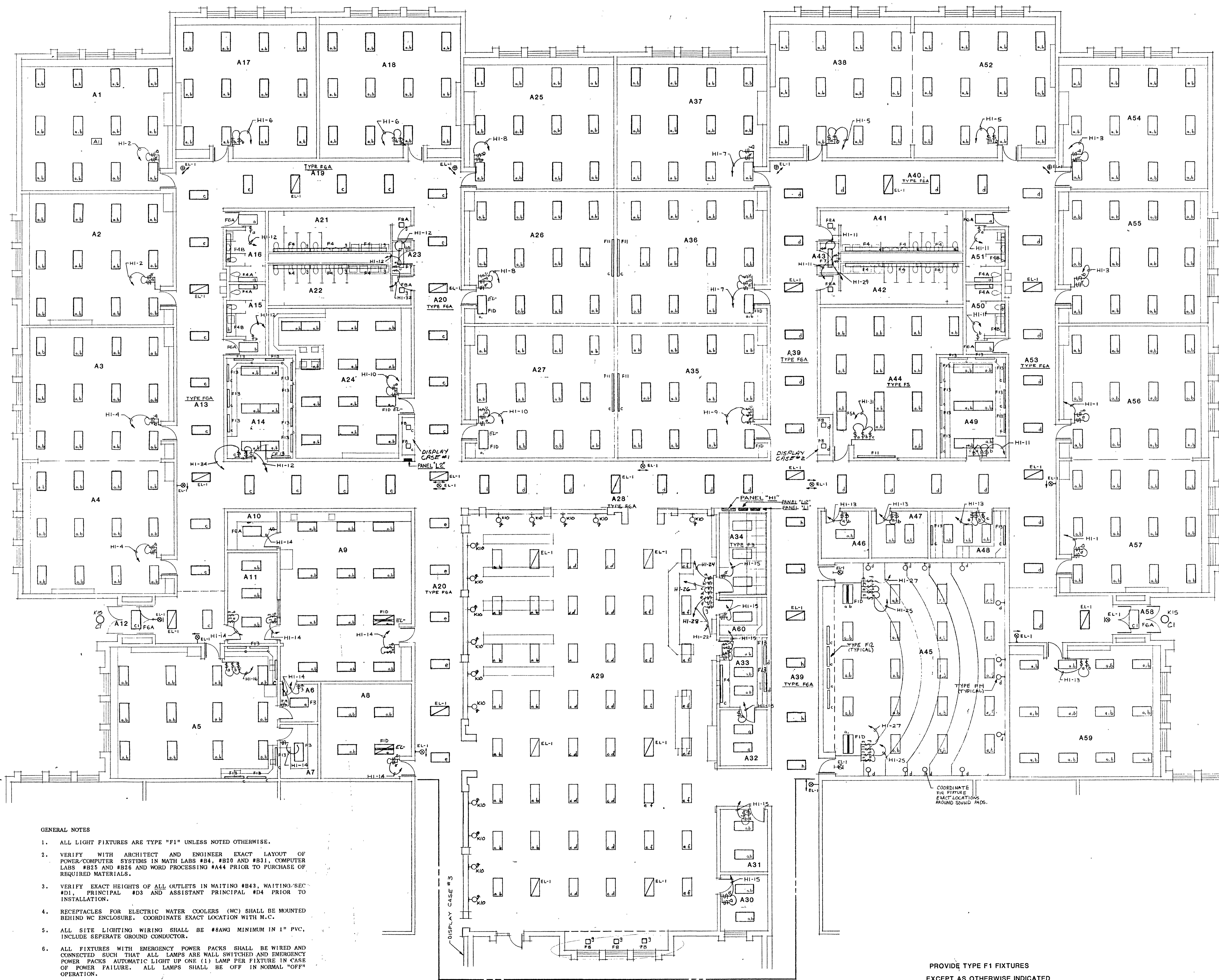


WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
 SYRACUSE, INDIANA

COMM. NO. 8714
 DATE 2-28-89
 DRAWN BY

E1

RM. NO.	NAME
A1	CLASSROOM
A2	CLASSROOM
A3	CLASSROOM
A4	CLASSROOM
A5	SPECIAL ED.
A6	TIME OUT
A7	STORAGE
A8	CONFERENCE
A9	SPECIAL ED.
A10	STORAGE
A11	OFFICE
A12	VESTIBULE
A13	CORRIDOR
A14	TEACHERS
A15	WOMEN
A16	MEN
A17	CLASSROOM
A18	CLASSROOM
A19	CORRIDOR
A20	CORRIDOR
A21	BOYS
A22	GIRLS
A23	JAN.
A24	PROJECTS
A25	CLASSROOM
A26	CLASSROOM
A27	CLASSROOM
A28	CORRIDOR
A29	LIBRARY
A30	OFFICE
A31	CONFERENCE
A32	PERIOD
A33	WORK ROOM
A34	A.V. STORAGE
A35	CLASSROOM
A36	CLASSROOM
A37	CLASSROOM
A38	CLASSROOM
A39	CORRIDOR
A40	CORRIDOR
A41	BOYS
A42	GIRLS
A43	JAN.
A44	WORK PROCESS
A45	LECTURE
A46	CONFERENCE
A47	CONFERENCE
A48	PUBLICATIONS
A49	TEACHERS
A50	WOMEN
A51	MEN
A52	CLASSROOM
A53	CORRIDOR
A54	CLASSROOM
A55	CLASSROOM
A56	CLASSROOM
A57	CLASSROOM
A58	VESTIBULE
A59	GUIDANCE
A60	A.V. CONTROL



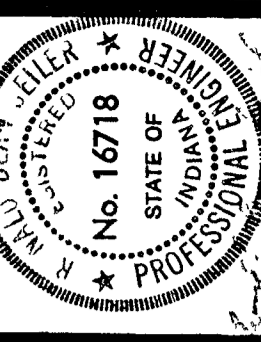
- GENERAL NOTES**
- ALL LIGHT FIXTURES ARE TYPE "F1" UNLESS NOTED OTHERWISE.
 - VERIFY WITH ARCHITECT AND ENGINEER EXACT LAYOUT OF POWER/COMPUTER SYSTEMS IN MATH LABS #B4, #B20 AND #B31, COMPUTER LABS #B25 AND #B26 AND WORD PROCESSING #A44 PRIOR TO PURCHASE OF REQUIRED MATERIALS.
 - VERIFY EXACT HEIGHTS OF ALL OUTLETS IN WAITING #B43, WAITING/SEC #D1, PRINCIPAL #D3 AND ASSISTANT PRINCIPAL #D4 PRIOR TO INSTALLATION.
 - RECEPTACLES FOR ELECTRIC WATER COOLERS (WC) SHALL BE MOUNTED BEHIND WC ENCLOSURE. COORDINATE EXACT LOCATION WITH M.C.
 - ALL SITE LIGHTING WIRING SHALL BE #8AWG MINIMUM IN 1" PVC, INCLUDE SEPARATE GROUND CONDUCTOR.
 - ALL FIXTURES WITH EMERGENCY POWER PACKS SHALL BE WIRED AND CONNECTED SUCH THAT ALL LAMPS ARE WALL SWITCHED AND EMERGENCY POWER PACKS AUTOMATIC LIGHT UP ONE (1) LAMP PER FIXTURE IN CASE OF POWER FAILURE. ALL LAMPS SHALL BE OFF IN NORMAL "OFF" OPERATION.
 - ALL WIRING TO TYPE "K8" FIXTURES SHALL BE IN MINIMUM 3/4" PVC WITH GROUND WIRE.
 - ALL EMERGENCY LIGHTING WIRING FROM PANELS "EL" AND "EP" SHALL BE #10 MINIMUM.

PROVIDE TYPE F1 FIXTURES
 EXCEPT AS OTHERWISE INDICATED

UNIT 'A' LIGHTING PLAN
 SCALE 1/8" = 1'-0"

UNIT B

UNIT C

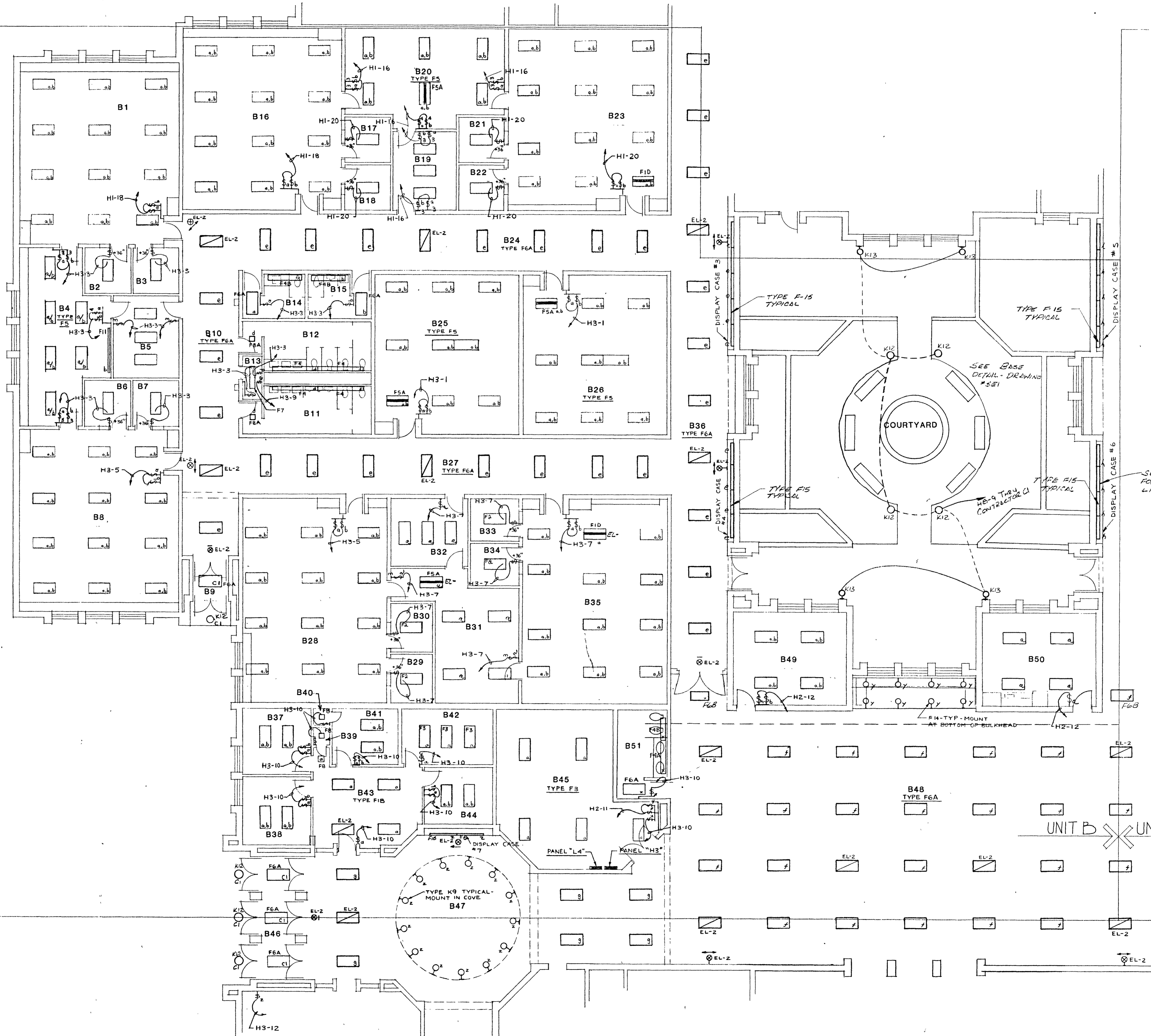


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RM. NO.	ROOM NAME
B1	CLASSROOM
B2	STUDY
B3	STUDY
B4	MATH LAB
B5	TEACHERS
B6	STUDY
B7	STUDY
B8	CLASSROOM
B9	VESTIBULE
B10	CORRIDOR
B11	BOYS
B12	GIRLS
B13	JANITOR
B14	WOMEN
B15	MEN
B16	CLASSROOM
B17	STUDY
B18	STUDY
B19	TEACHERS
B20	MATH LAB
B21	STUDY
B22	STUDY
B23	CLASSROOM
B24	CORRIDOR
B25	COMPUTER LAB
B26	COMPUTER LAB
B27	CORRIDOR
B28	CLASSROOM
B29	STUDY
B30	STUDY
B31	MATH LAB
B32	TEACHERS
B33	STUDY
B34	STUDY
B35	CLASSROOM
B36	CORRIDOR
B37	OFFICE
B38	OFFICE
B39	CLOSET
B40	CLOSET
B41	OFFICE
B42	RECORDS
B43	WAITING
B44	OFFICE
B45	CHAIR STORAGE
B46	VESTIBULE
B47	LOBBY
B48	COMMONS
B49	CONFERENCE
B50	FACULTY DINING
B51	WOMEN



UNIT B X UNIT A

UNIT D X UNIT B

UNIT B X UNIT C

PROVIDE F1 FIXTURES EXCEPT WHERE NOTED OTHERWISE

UNIT 'B' LIGHTING PLAN
SCALE 1/8" = 1'-0"

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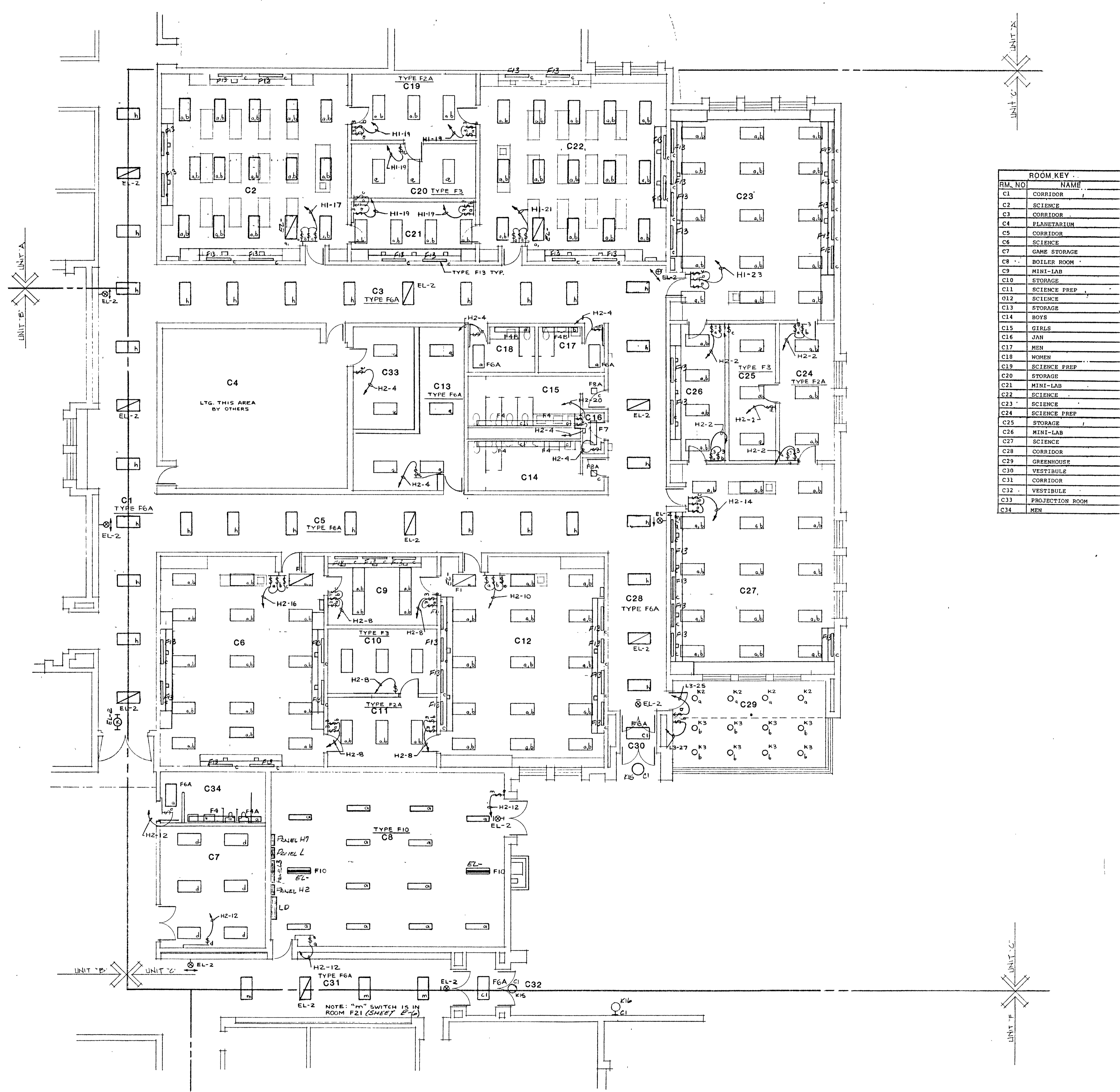


MARK	MANUFACTURER'S CATALOG NUMBER	MOUNT	LAMP(S)	REMARKS
F1	COLUMBIA #P 430-42-36 PARALUX #2F30-1405 36H	RECESS	3F40D30	277 VOLT BALLAST, SPECULAR ALUMINUM 18 CELL PARABOLIC BATTLE, FIA SAME EXCEPT 1" x 4", 1-LAMP, 8 CELL -F18 SAME EXCEPT 2-LAMP-F18 SAME EXCEPT 4-LAMP F18 SAME EXCEPT 8-LAMP F18 SAME EXCEPT 16-LAMP F18 SAME EXCEPT 32-LAMP
F2	COLUMBIA #S1180-68-244 DAYRITE #S224086500 KIP # H2020840 LITHONIA # 2SPG 440 MM DM 277 SL	RECESS	4F40D30	277 VOLT BALLAST, CELL REFLECTOR OR AMERICAN LOWER 148 ACROLIC LENS, SPRING LOADED LAMP ENDORS ALUMINUM DOOR FIA SAME EXCEPT 2-LAMP
F3	COLUMBIA #S22-52-242 DAYRITE #S2242-CO2D KIP #H2020840 LITHONIA # 2 SPG 240 AL2.125 277 SL	RECESS	2F40D30	277 VOLT BALLAST, PATTERN 12 ACROLIC PRISMATIC LENS, HINCE AND LATCH STEEL DOOR-FIA SAME EXCEPT 4-LAMP -F18 SAME EXCEPT 3-LAMP; F18 SAME EXCEPT FOR DAMP LOCATION DELICATED AND GASKETED
F4	PRESIDENTIAL #P60-05-M4-2-08-Pva LITHONIA #L10664888-0A	WALL 2" ABOVE MIRROR	4F40D30	277 VOLT BALLAST, ACROLIC PRISMATIC LENS FINISH AS DIRECTED BY ARCHITECT, FIA SAME EXCEPT 4 LAMP, F18 SAME EXCEPT 4 WITH #H21220
F5	DAYRITE #PCE243-NP377C KIP #PCA 20 340	RECESS	3F40D30	277 VOLT BALLAST, SPECULAR PARABOLIC 14" CELL BATTLE; FIA SAME EXCEPT WITH 1800 EMERGENCY BALLAST PACK ON ONE LAMP
F6	COLUMBIA #308-52-142 KIP #H2100240	RECESS	2F40D30	277 VOLT BALLAST, RECESS ALUMINUM DOOR, PATTERN 12 ACROLIC LENS -FIA SAME EXCEPT 2" x 4" - F18 SAME EXCEPT 3" x 4" AND FLAME MOUNT
F7	SLP #H240 LITHONIA #128240A METALUX #H240A	SURFACE	2F40D30	277 VOLT BALLAST, PRISMATIC ACROLIC REFLECTOR LENS
F8	QEDA #20184-4013 HURT VERSEN #K73 47G LITHONIA #A171777C	RECESS	2 1/2 W TT	277 VOLT BALLAST, COMPACT QED ALUM SPECULAR CONE, APPROX. 4" APERTURE, HIGH POWER FACTOR, FIA SAME EXCEPT CLEAR SPECULAR ALUM CONE
F9	DAYRITE #S7142-SP120A-ME	RECESS	2F40D30	277 VOLT BALLAST, FULLY GASKETED, MET LOCATION LABEL, EXTENDED ALUMINUM DOOR, 5/16" ACROLIC PRISMATIC LENS, FLANGE MOUNT
F11	LITHONIA #S3288S-S6A-CM4277	SURFACE	2F40D30	277 VOLT BALLAST, 1/2" x 1/2" O.C. REFLECTOR, WITH ALUMINUM FINISH AND WHITE FINISH
F12	COLUMBIA #4551P-43-041-9"	RECESS	1F40D30	277 VOLT BALLAST, FLANGE MOUNT ANODIZED SPECULAR ALUMINUM BATTLE
F10	LITHONIA #EJA 240 DAYRITE #40211-4	POLE MNT	2F40D30	277 VOLT BALLAST, 5/8 UPLIGHT HOUSING F10A SAME EXCEPT WITH HIRE GUARD; F10B SAME EXCEPT WITH 1800 EMERGENCY BALLAST PACK
F13	ALDO #3146-277 V	SURFACE	1F40D30	277 VOLT BALLAST, PRISMATIC ACROLIC LENS
F14	LITHONIA #L1828E #H-1-30P213-10-277-CCP	SURFACE	2-1/2 W TT	277 VOLT BALLAST PRISMATIC LENS AND POLISHED CHROME FINISH
F15	LINEAR LIGHTING #A1110	SURFACE	1-F40D30	277 VOLT BALLAST, 4" SQUARE, VIRGIN ACROLIC LENS, COLOR AS CHOSEN BY ARCHITECT
F16	QEDA #G #L3/277-6141	RECESS	1-0TT #L13	277 VOLT BALLAST, RECESSED WHITE TRIM
K1	QAPT #M11X-7042 HURT VERSEN #K7211	RECESS	1-150W	A21 LAMP, CLEAR SPECULAR ALUM CONE, 4" APERTURE
K2	HURT VERSEN #K7472 KIP#LN #1801-11	RECESS	1-150W	A21 LAMP, ANODIZED REFLECTOR, PRISMATIC LENS, WHITE FINISH
K3	BENJAMIN #208-643	POLE MNT	1-150W	A21 LAMP, 10" DOME, COLOR BY ARCHITECT, WHITE TRIM CONE
K4	WIDELITE #H24V-800 DD	STEM	2-400W	277 VOLT BALLAST, 1 EACH HPS AND SUBV HPS WITH 1800 EMERGENCY BALLAST PACK
K5	WIDELITE #H24V-800 LB	RECESS	1-250W M.H.	277 VOLT BALLAST, FULLY GASKETED, ALUMINUM CONSTRUCTION, SYMMETRIC DISTRIBUTION
K6	WIDELITE #SR2H-1000-ASP-LB	RECESS	1-1000W M.H.	SAME AS "K5" EXCEPT ASYMMETRIC DISTRIBUTION
K7	WIDELITE #SR2H-100-ASP-LB	RECESS	1-400W M.H.	SAME AS "K5" EXCEPT ASYMMETRIC DISTRIBUTION
K8	PANOSON #P-555-13	RECESS	2-250W	120 VOLT THERMAL CUTOUT, SAFETY GRID, 13" 3-WIRE CORD
K9	ELIPTIPAR #76150-S-277	SURFACE	1-70W M.H.	277 VOLT BALLAST, CONEY MOUNT, 3000K LAMP
K10	MCMILLEN #64343	SURFACE	1-100W M.H.	277 VOLT FINISH AS DIRECTED BY ARCHITECT SEE ARCHITECTURAL RELATIONS FOR MOUNTING HEIGHT
K11	BERNE-LITE #H-K11-120 "IN USE"	SURFACE	2-20W	120 VOLT INCANDESCENT EGYPT SIGN TO READ "IN USE", WHITE HOUSING WITH LETTERS, OPPOSITE COLOR OF EXIT LIGHT LETTERS
K12	WOODFORM #4345-277	BASE	1-50W HPS	REDWOOD BOLLARD WITH 277 VOLT OPERATION, PARABOLIC OPTICS AND POLYCARBONATE LENS
K13	WOODFORM #1770-277-HPS/50	WALL	1-50W HPS	WALL MOUNT REDWOOD FIXTURE WITH WHITE POLYCARBONATE LENS AND 277V BALLAST, PROVIDE ANCHOR BOLTS AS REQUIRED.
K14	HASLUX #XIM 15-120-C2	SURFACE	1-150W	120 VOLT, A-19 LAMP, SUITABLE FOR USE IN CLASS 1, DIVISION 1 LOCATIONS - K14A SAME EXCEPT WALL MOUNT.
K15	HURT VERSEN #V574-70277-H Kip#LN #2408-15-45-46-58	RECESS	1-70W H.P.S.	277 VOLT BALLAST, WHITE SLAY TRIM PRISMATIC LENS, 8-1/2" MAXIMUM HEIGHT, FULLY GASKETED.
K16	HOLOPHANE #HP-2-A-070HP-27-BZ LUMINE #HFL-70-277V	SURFACE	1-70W H.P.S.	277 VOLT BALLAST, BRONZE FINISH, PRISMATIC GLASS REFRACTOR.
K17	VISTA #1001-0	RECESS	1-15	120 VOLT SAFELIGHT WITH A-15 LAMP AND COLORED FILTERS AS CHOSEN BY OWNER.
LP-A	HOLOPHANE #CA-2-SQ-20-J-1A-SHST-250HP-27-B2-FM	POLE	1-250W H.P.S.	SITE LIGHT, 20" ALUMINUM POLE, HINGED BASE, DARK BRONZE FINISH, PROVIDE ANCHOR BOLTS AS REQUIRED.
LP-B	HOLOPHANE #CA-2-SQ-20-J-2A-SHST-250HP-27-B2-FM	POLE	2-250W H.P.S.	SAME AS LP-A EXCEPT TWO (2) FIXTURES MOUNTED BACK TO BACK.

MISC ELECTRICAL EQUIPMENT

HAIR DRYERS

SURFACE MOUNT, 115VOLT, 2300 WATT, UNIT WITH FIXED NOZZLE, STEEL CONSTRUCTION, POLISHED CHROME FINISH, 3 MINUTE TIME CYCLE AND PUSH-BUTTON "ON" SWITCH. WORLD MODEL #B, OR EQUAL.



RM. NO.	ROOM NAME
C1	CORRIDOR
C2	SCIENCE
C3	CORRIDOR
C4	PLANETARIUM
C5	CORRIDOR
C6	SCIENCE
C7	GAME STORAGE
C8	BOILER ROOM
C9	MINI-LAB
C10	STORAGE
C11	SCIENCE PREP
C12	SCIENCE
C13	STORAGE
C14	BOYS
C15	GIRLS
C16	JAN
C17	MEN
C18	WOMEN
C19	SCIENCE PREP
C20	STORAGE
C21	MINI-LAB
C22	SCIENCE
C23	SCIENCE
C24	SCIENCE PREP
C25	STORAGE
C26	MINI-LAB
C27	SCIENCE
C28	CORRIDOR
C29	GREENHOUSE
C30	VESTIBULE
C31	CORRIDOR
C32	VESTIBULE
C33	PROJECTION ROOM
C34	MEN

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4721 Line Road
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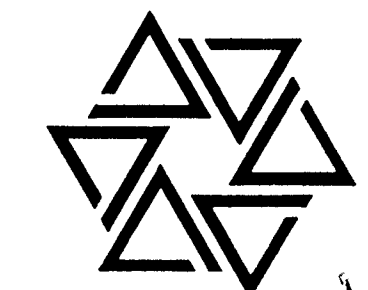
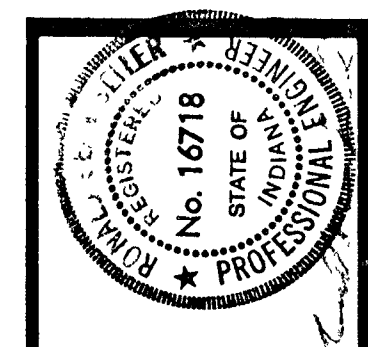
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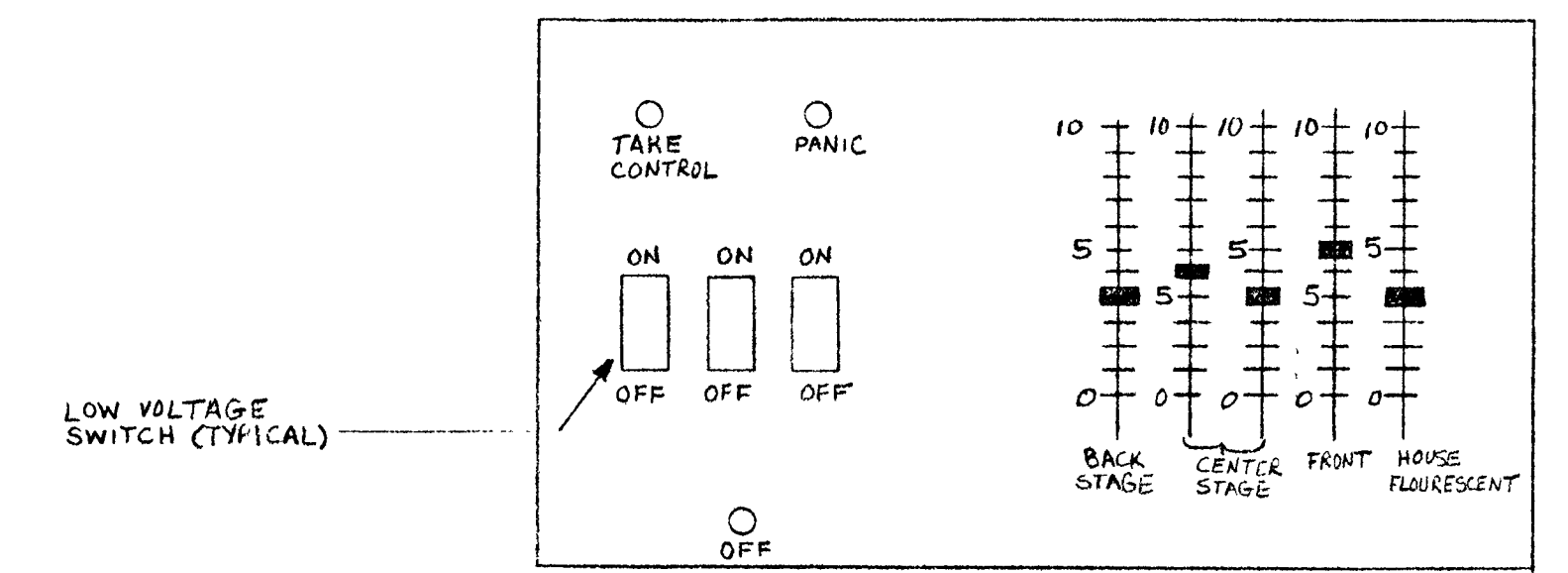
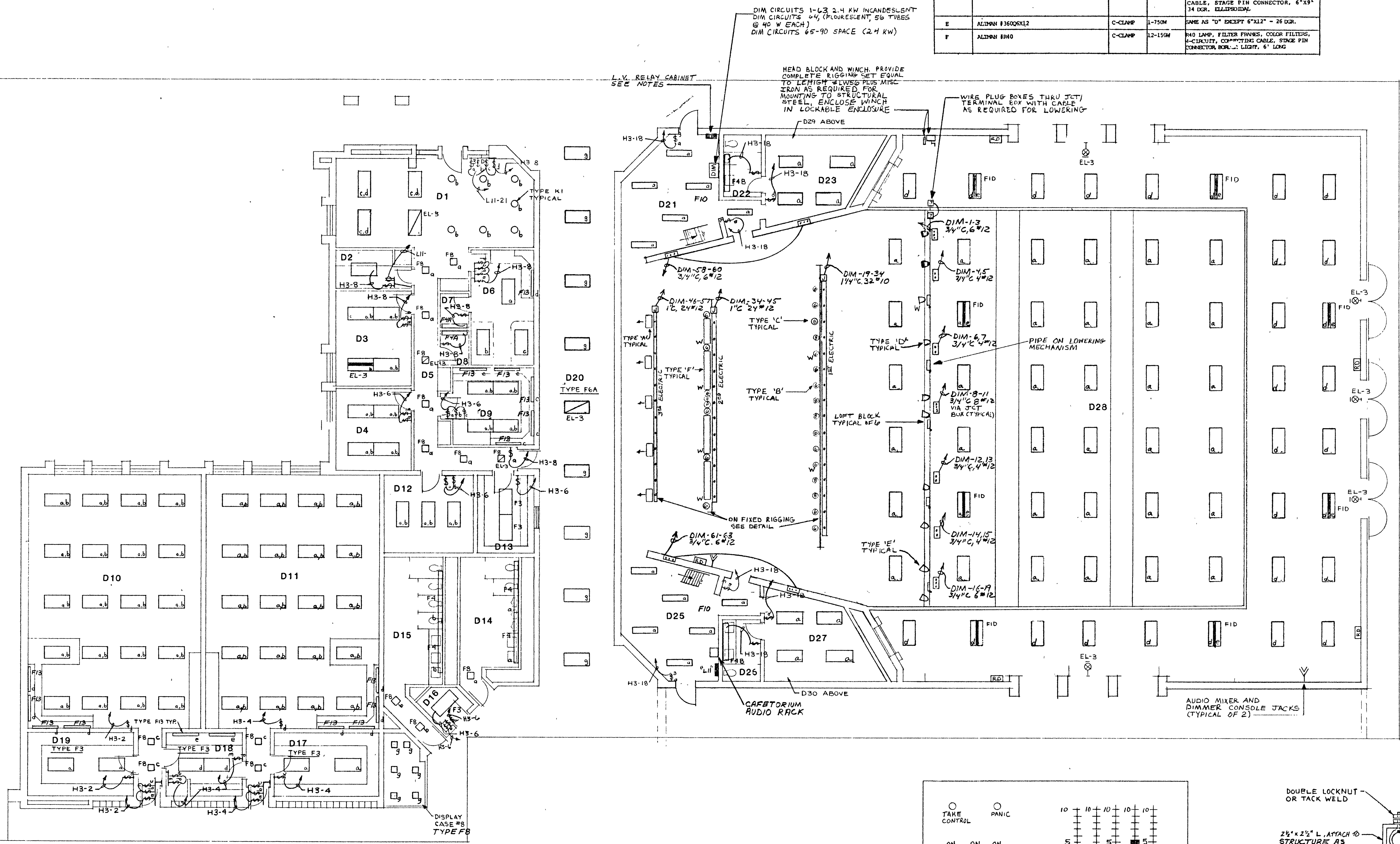
E3

UNIT 'C' LIGHTING PLAN
SCALE 1/8" = 1'-0"



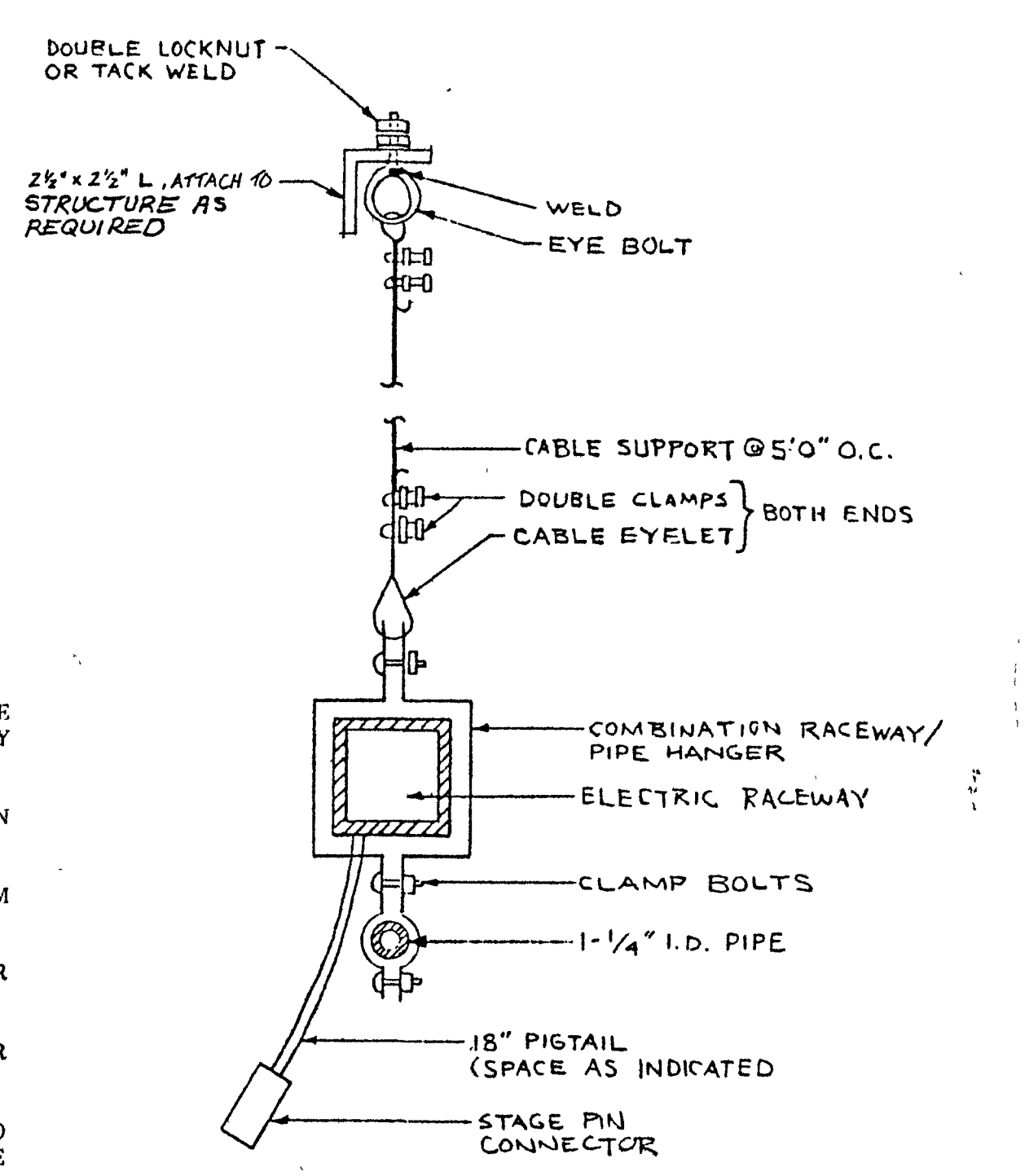
STAGE LIGHT FIXTURE SCHEDULE				
MARK	MANUFACTURER'S CATALOG NUMBER	MOUNT	LAMP(S)	REMARKS
A	STAND # 5803	C-CLAMP	3-500	FOU LAMP, FILTER FRAME, COLOR FILTERS, SAFETY CHAIN, 3 CONNECTING CABLES, STAGE PIN CONNECTORS
B	ALTMAN #650	C-CLAMP	1-750W	8IN LAMP, FILTER FRAME, COLOR FILTER SAFETY CHAIN, CONNECTING CABLE, STAGE PIN CONNECTOR, 6" FRESNEL LENS, SLIDE FOCUS
C	ALTMAN # 750	C-CLAMP	1-1000W	8IN LAMP, FILTER FRAME, COLOR FILTER SAFETY CHAIN, CONNECTING CABLE, STAGE PIN CONNECTOR 8" FRESNEL LENS, SLIDE FOCUS
D	ALTMAN #36006A3	C-CLAMP	1-750W	8IN LAMP, FILTER FRAME, COLOR FILTER, SAFETY CHAIN, CONNECTING CABLE, STAGE PIN CONNECTOR, 6"x9" 34 DCR. ELAPRODIAL
E	ALDMN #36006L2	C-CLAMP	3-750W	8IN LAMP, FILTER FRAME, COLOR FILTER, SAFETY CHAIN, CONNECTING CABLE, STAGE PIN CONNECTOR, 6"x9" 34 DCR. ELAPRODIAL
F	ALDMN #80	C-CLAMP	3-150W	8IN LAMP, FILTER FRAME, COLOR FILTER, SAFETY CHAIN, CONNECTING CABLE, STAGE PIN CONNECTOR, 6"x9" 34 DCR. ELAPRODIAL

ROOM KEY	
RM. NO.	NAME
D1	WAITING SEC
D2	STORAGE
D3	PRINCIPAL
D4	ASSISTANT PRINCIPAL
D5	HALL
D6	SICK BAY
D7	TOILET
D8	TOILET
D9	WORK ROOM
D10	ART
D11	ART
D12	CONFERENCE
D13	BOOKS
D14	MEN
D15	WOMEN
D16	JAN
D17	STORAGE
D18	KILN
D19	STORAGE
D20	CORRIDOR
D21	STORAGE
D22	BOYS
D23	DRESSING ROOM
D24	STAGE
D25	STORAGE
D26	GIRLS
D27	DRESSING ROOM
D28	CAFETERIUM
D29	EQUIPMENT ROOM
D30	EQUIPMENT ROOM

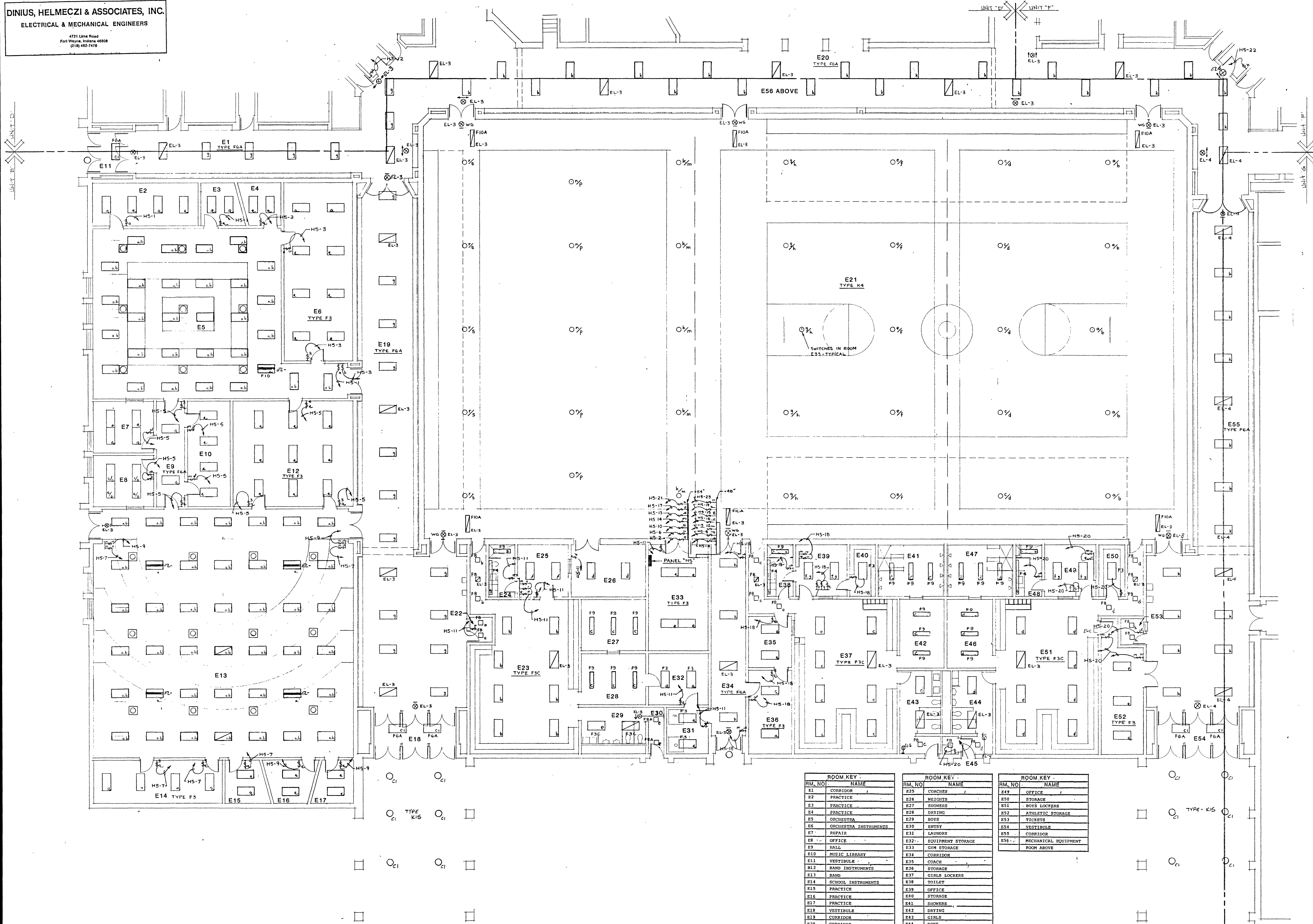
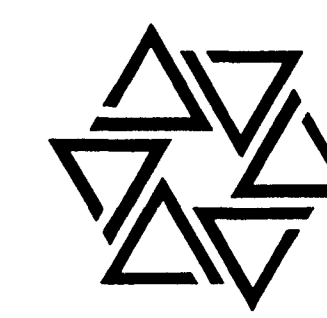
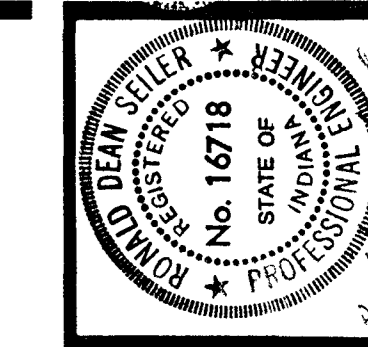


REMOTE DIMMER CONTROL STATION (RD) DETAIL NTS

- NOTES:
1. PROVIDE PROPERLY SIZED BACK BOX AND CONTROL STATIONS WHERE INDICATED, FLUSH MOUNT, FACE PLATE STAINLESS STEEL OR HEAVY ANODIZED ALUMINUM WITH SILK SCREENED CUSTOM LOGO AS REQUIRED.
 2. INTERFACE SUCH THAT REMOTE STATIONS ARE INACTIVE WHEN MAIN DIMMER IS ACTIVE.
 3. HOUSE FLUORESCENT CONTROL IS FOR NON-EMG. CENTER LAMPS OF ROOM D28 FLUORESCENT FIXTURES.
 4. LOW VOLTAGE SWITCHES CONTROL OUTBOARD LAMPS AND EMERGENCY CENTER LAMPS AS INDICATED.
 5. PROVIDE CONTROL WIRING FROM REMOTE CONTROL STATIONS TO DIMMER AND L.V. RELAYS AS REQUIRED.
 6. VERIFY DIMMER/BALLAST/LAMP COMPATIBILITY WITH DIMMER MFRG AND PROVIDE COORDINATED/COMPATIBLE PRODUCTS FOR SMOOTH FULL RANGE DIMMING WITHOUT FLICKER.
 7. "TAKE CONTROL" AND "OFF" SWITCHES TO BE KEY OPERATED.



TYPICAL STAGE LIGHTING SUPPORT DETAIL NTS. NOTE: COORDINATE EXACT LOCATION & MOUNTING HEIGHT W/ OTHER STAGE RIGGING



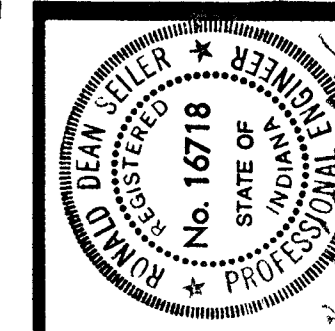
RM. NO.	NAME
E1	CORRIDOR
E2	PRACTICE
E3	PRACTICE
E4	PRACTICE
E5	ORCHESTRA
E6	ORCHESTRA INSTRUMENTS
E7	REPAIR
E8	OFFICE
E9	HALL
E10	MUSIC LIBRARY
E11	VESTIBULE
E12	BAND INSTRUMENTS
E13	BAND
E14	SCHOOL INSTRUMENTS
E15	PRACTICE
E16	PRACTICE
E17	PRACTICE
E18	VESTIBULE
E19	CORRIDOR
E20	CORRIDOR
E21	CYMNASIUM
E22	TICKETS
E23	TEAM LOCKERS
E24	TOILET

RM. NO.	NAME
E25	COACHES
E26	WEIGHTS
E27	SHOWERS
E28	DRYING
E29	BOYS
E30	ENTRY
E31	LAUNDRY
E32	EQUIPMENT STORAGE
E33	GYM STORAGE
E34	CORRIDOR
E35	COACH
E36	STORAGE
E37	GIRLS LOCKERS
E38	TOILET
E39	OFFICE
E40	STORAGE
E41	SHOWERS
E42	DRYING
E43	GIRLS
E44	BOYS
E45	JAN
E46	DRYING
E47	SHOWERS
E48	TOILET

RM. NO.	NAME
E49	OFFICE
E50	STORAGE
E51	BOYS LOCKERS
E52	ATHLETIC STORAGE
E53	TICKETS
E54	VESTIBULE
E55	CORRIDOR
E56	MECHANICAL EQUIPMENT ROOM ABOVE

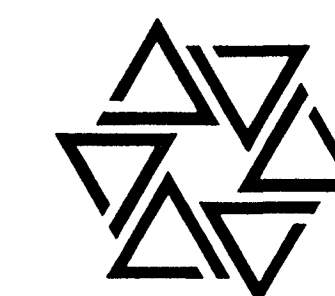
PROVIDE TYPE F1 FIXTURES EXCEPT WHERE NOTED OTHERWISE

UNIT 'E' LIGHTING PLAN
SCALE 1/8" = 1'-0"



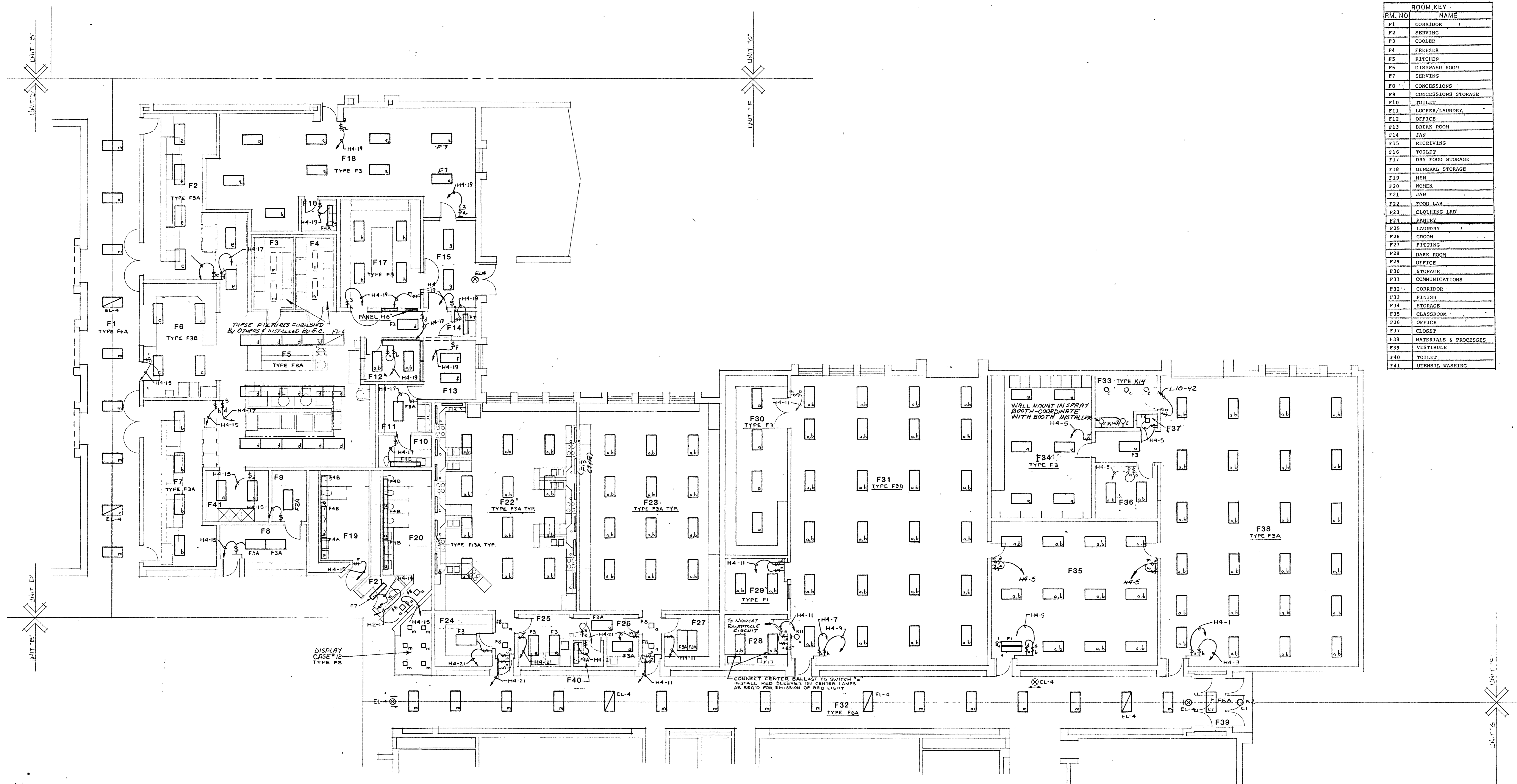
RM. NO.	NAME
F1	CORRIDOR
F2	SERVING
F3	COOLER
F4	FREEZER
F5	KITCHEN
F6	DISHWASH ROOM
F7	SERVING
F8	CONCESSIONS
F9	CONCESSIONS STORAGE
F10	TOILET
F11	LOCKER/LAUNDRY
F12	OFFICE
F13	BREAK ROOM
F14	JAN
F15	RECEIVING
F16	TOILET
F17	DRY FOOD STORAGE
F18	GENERAL STORAGE
F19	MEN
F20	WOMEN
F21	JAN
F22	COOL LAB
F23	CLOTHING LAB
F24	PANTRY
F25	LAUNDRY
F26	GROOM
F27	FITTING
F28	DARK ROOM
F29	OFFICE
F30	STORAGE
F31	COMMUNICATIONS
F32	CORRIDOR
F33	FINISH
F34	STORAGE
F35	CLASSROOM
F36	OFFICE
F37	CLOSET
F38	MATERIALS & PROCESSES
F39	VESTIBULE
F40	TOILET
F41	UTENSIL WASHING

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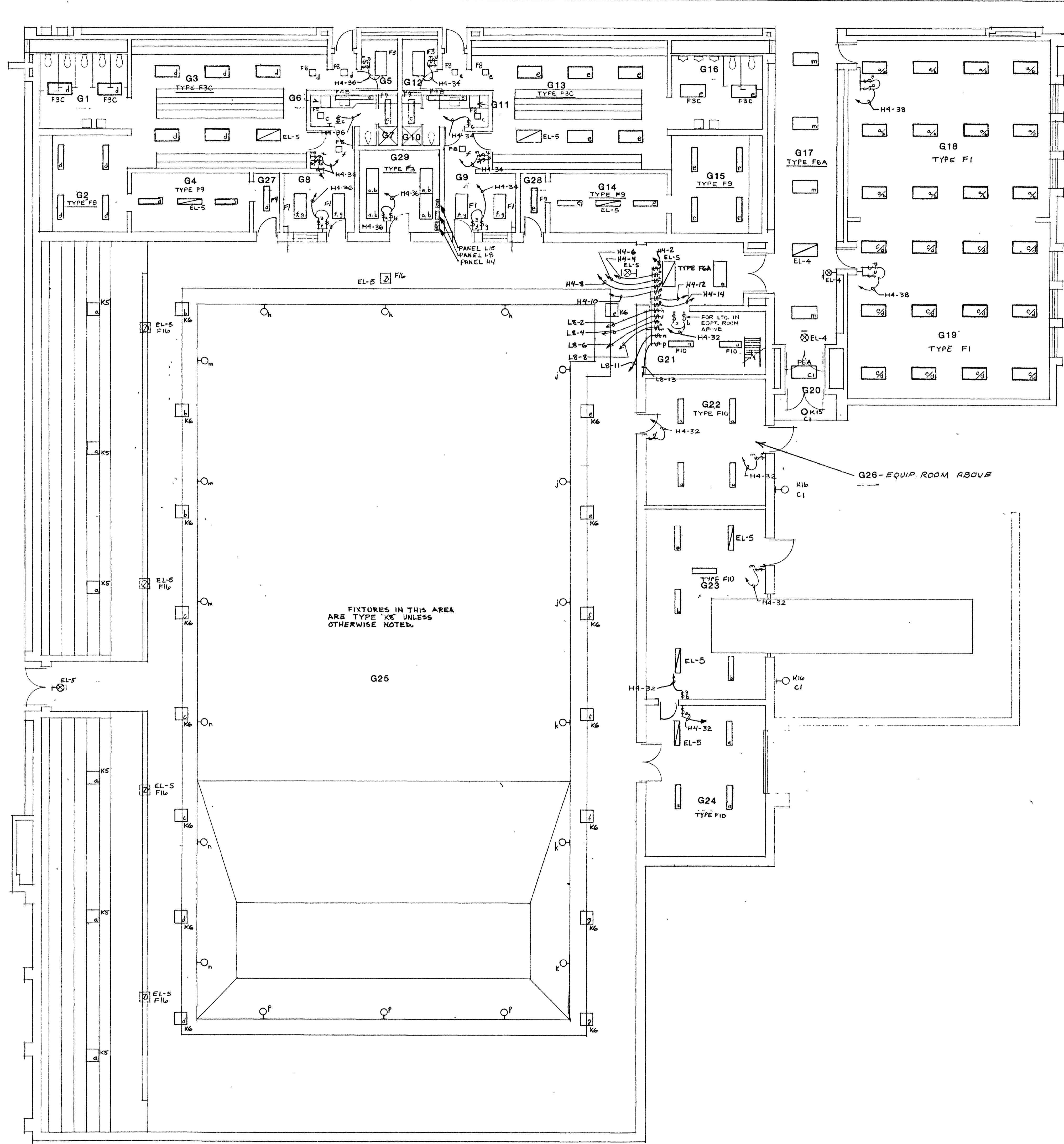
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UNIT 'F' LIGHTING PLAN
SCALE 1/8" = 1'-0"

UNIT "E" UNIT "F"

UNIT "G" UNIT "H"

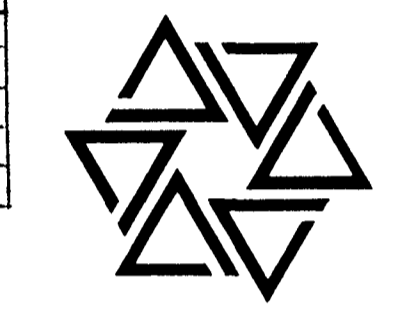


ROOM KEY

RM. NO.	NAME
G1	GIRLS
G2	DRYING
G3	GIRLS LOCKERS
G4	SHOWERS
G5	MATRON
G6	COACH LOCKERS
G7	SHOWER
G8	OFFICE
G9	OFFICE
G10	SHOWER
G11	COACH LOCKERS
G12	CUSTODIAN
G13	BOYS LOCKERS
G14	SHOWERS
G15	DRYING
G16	BOYS
G17	CORRIDOR
G18	HEALTH
G19	HEALTH
G20	VESTIBULE
G21	POOL STORAGE
G22	POOL EQUIPMENT
G23	MECHANICAL EQUIP ROOM
G24	OUTSIDE STORAGE
G25	NATATORIUM
G26	EQUIPMENT ROOM ABOVE
G27	SHOWER ENTRANCE
G28	SHOWER ENTRANCE
G29	LAUNDRY

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ELECTRICAL & MECHANICAL ENGINEERS
4751 Lima Road
Fort Wayne, Indiana 46804
(317) 827-7178

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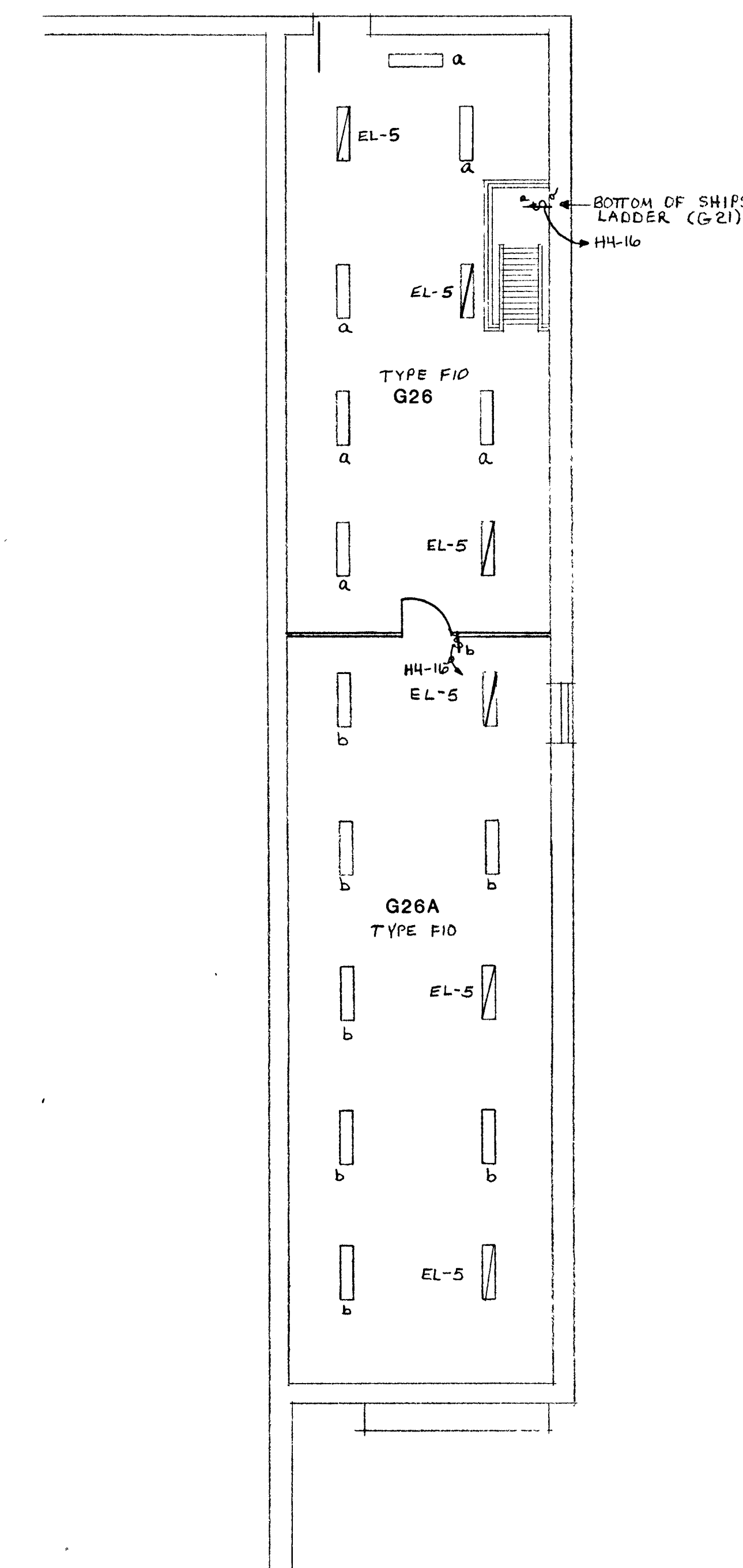
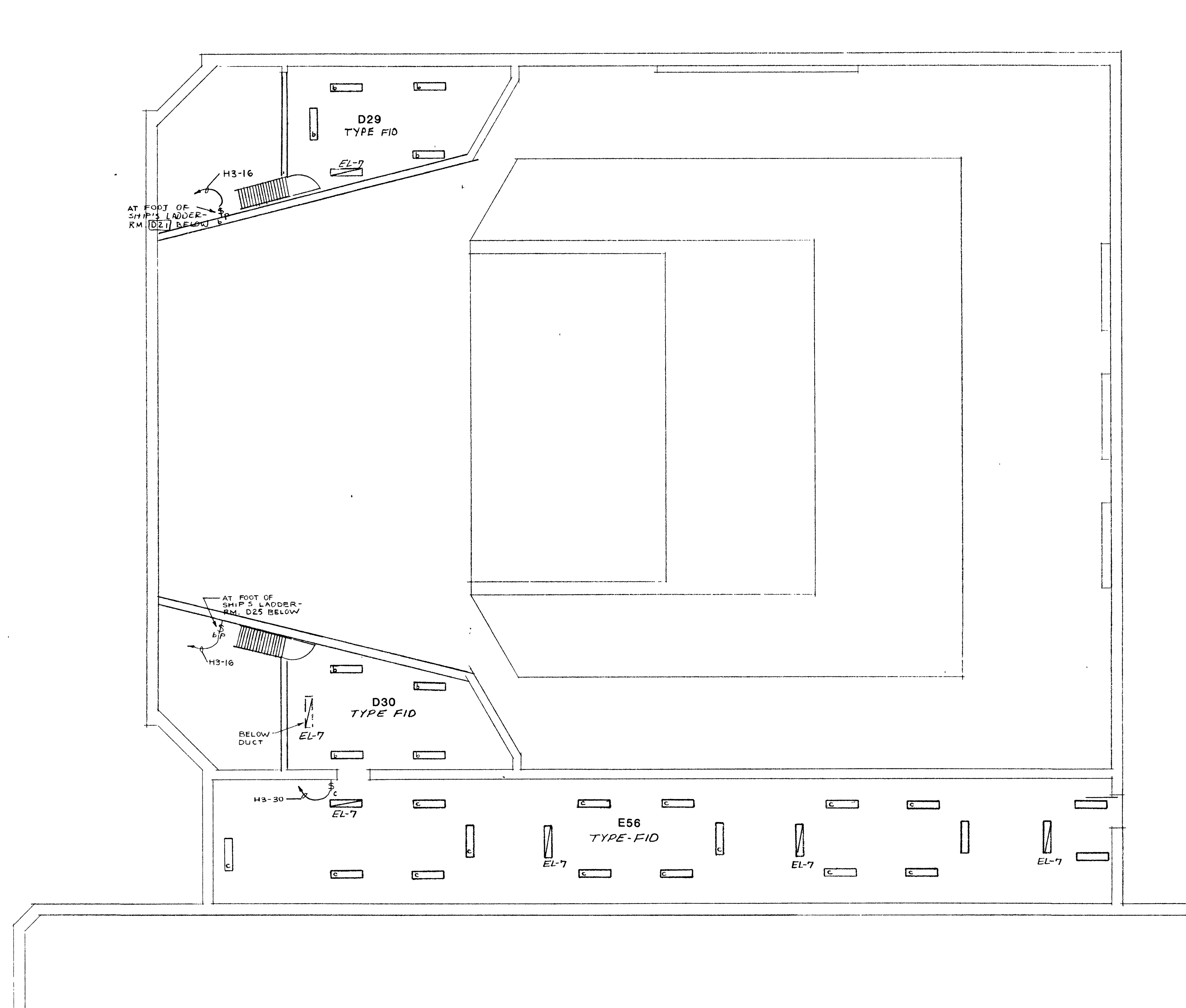
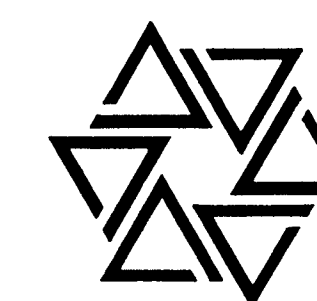
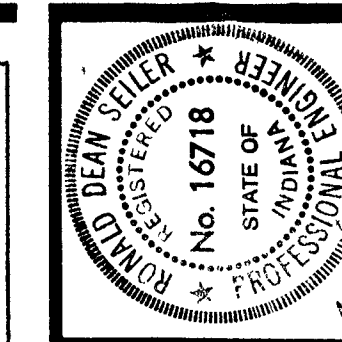


WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

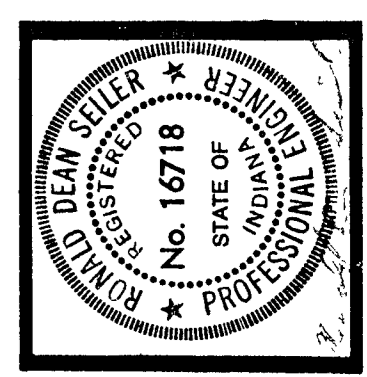
COMM. NO. 8714
DATE 2-28-89
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E7

UNIT 'G' LIGHTING PLAN
SCALE 1/8" = 1'-0"



UPPER EQUIPMENT ROOM LIGHTING PLAN
SCALE 1/8" = 1'-0"



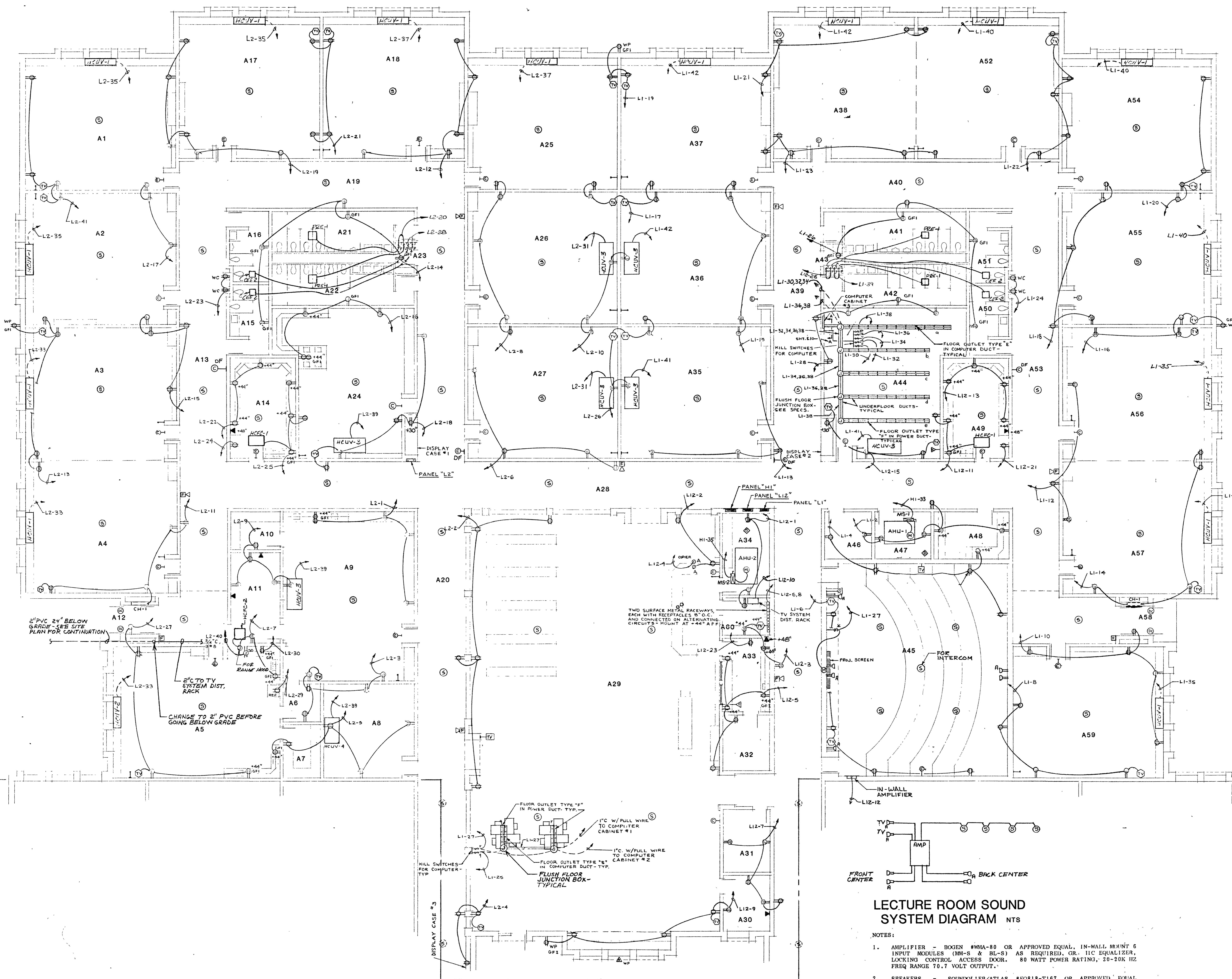
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 SYRACUSE, INDIANA

COMM. NO. 8714
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ROOM NO.	ROOM NAME
A1	CLASSROOM
A2	CLASSROOM
A3	CLASSROOM
A4	CLASSROOM
A5	SPECIAL ED.
A6	TIME OUT
A7	STORAGE
A8	CONFERENCE
A9	SPECIAL ED.
A10	STORAGE
A11	OFFICE
A12	VESTIBULE
A13	CORRIDOR
A14	TEACHERS
A15	WOMEN
A16	MEN
A17	CLASSROOM
A18	CLASSROOM
A19	CORRIDOR
A20	CORRIDOR
A21	BOYS
A22	GIRLS
A23	JAN.
A24	PROJECTS
A25	CLASSROOM
A26	CLASSROOM
A27	CLASSROOM
A28	CORRIDOR
A29	LIBRARY
A30	OFFICE
A31	CONFERENCE
A32	PERIOD
A33	WORK ROOM
A34	A.V. STORAGE
A35	CLASSROOM
A36	CLASSROOM
A37	CLASSROOM
A38	CLASSROOM
A39	CORRIDOR
A40	CORRIDOR
A41	BOYS
A42	GIRLS
A43	JAN.
A44	WORK PROCESS
A45	LECTURE
A46	CONFERENCE
A47	CONFERENCE
A48	PUBLICATIONS
A49	TEACHERS
A50	WOMEN
A51	MEN
A52	CLASSROOM
A53	CORRIDOR
A54	CLASSROOM
A55	CLASSROOM
A56	CLASSROOM
A57	CLASSROOM
A58	VESTIBULE
A59	GUIDANCE
A60	A.V. CONTROL



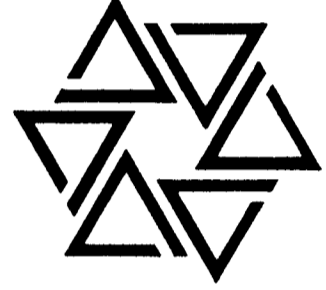
LECTURE ROOM SOUND SYSTEM DIAGRAM NTS

- NOTES:
1. AMPLIFIER - BOGEN #WA-80 OR APPROVED EQUAL. IN-WALL MOUNT 6 INPUT MODULES (MM-S & BL-S) AS REQUIRED, GR. IIC EQUALIZER, LOCKING CONTROL ACCESS DOOR. 80 WATT POWER RATING, 20-20K HZ FREQ RANGE 70.7 VOLT OUTPUT.
 2. SPEAKERS - SOUNDOLIER/ATLAS #EQ18-T167 OR APPROVED EQUAL COAXIAL, 50 WATT RATING, PORTED BASE REFLEX ENCLOSURE, #EQ164 BAFFLE, RECESS CEILING MOUNT.
 3. PROVIDE PATCH CABLES WITH PLUGS AS REQUIRED TO MATE TV AUDIO OUTPUT TO AUXILIARY INPUT JACK.

UNIT 'A' POWER PLAN
 SCALE 1/8" = 1'-0"



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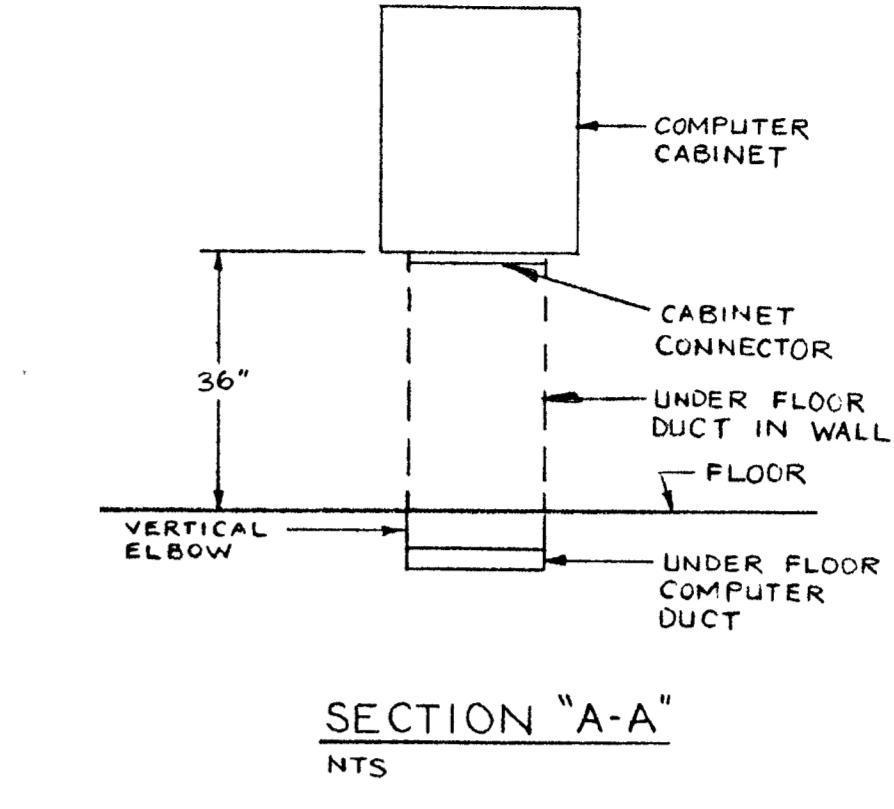
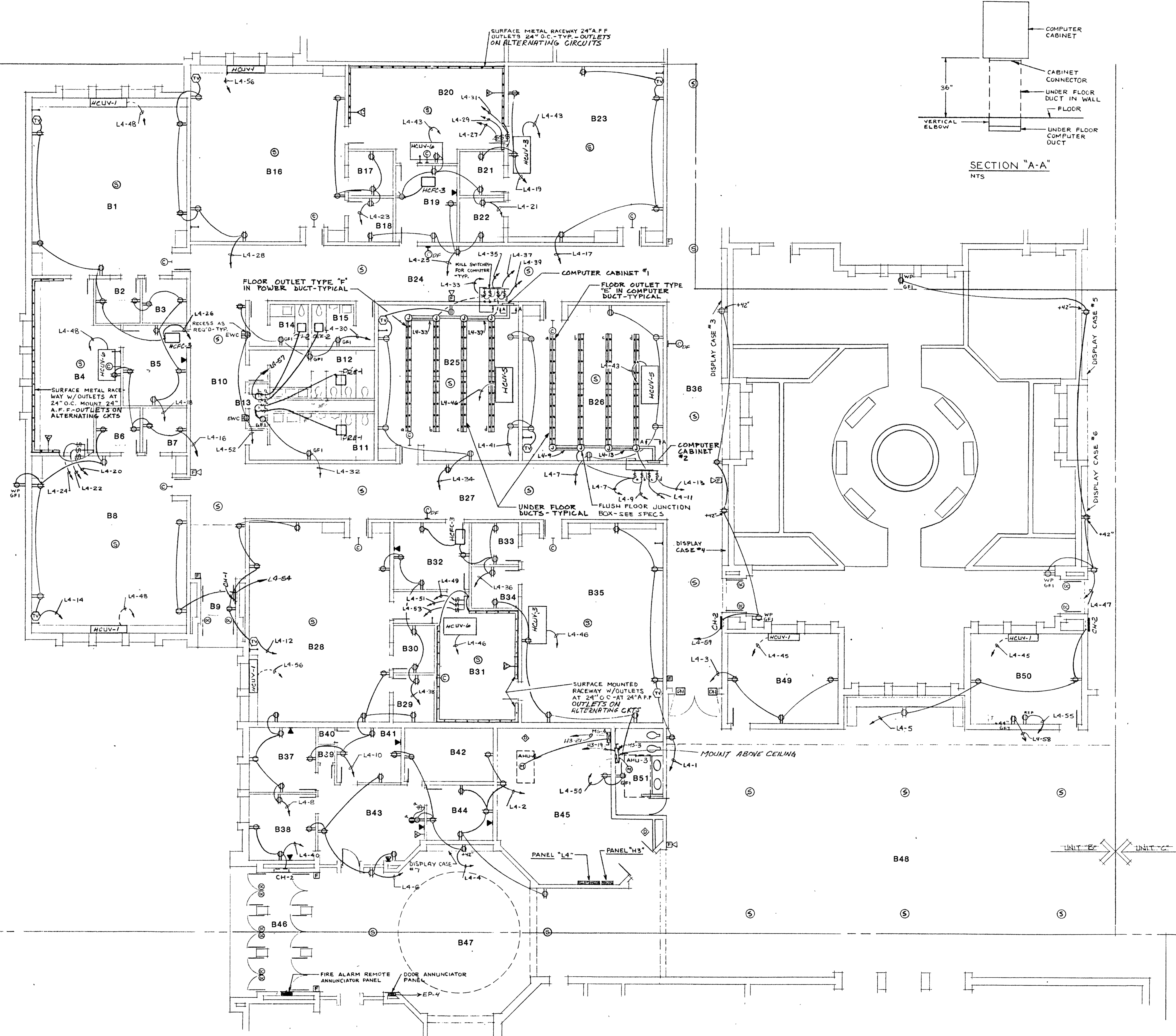
WAWASEE MIDDLE SCHOOL
WAWASEE COMMUNITY SCHOOL CORP.
SYRACUSE, INDIANA

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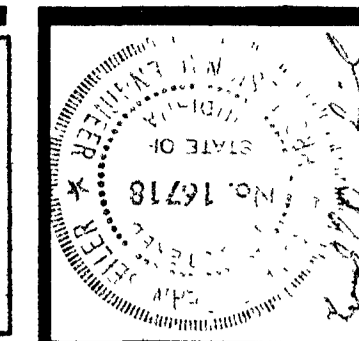
E10

RM. NO.	NAME
B1	CLASSROOM
B2	STUDY
B3	STUDY
B4	MATH LAB
B5	TEACHERS
B6	STUDY
B7	STUDY
B8	CLASSROOM
B9	VESTIBULE
B10	CORRIDOR
B11	BOYS
B12	GIRLS
B13	JANITOR
B14	WOMEN
B15	MEN
B16	CLASSROOM
B17	STUDY
B18	STUDY
B19	TEACHERS
B20	MATH LAB
B21	STUDY
B22	STUDY
B23	CLASSROOM
B24	CORRIDOR
B25	COMPUTER LAB
B26	COMPUTER LAB
B27	CORRIDOR
B28	CLASSROOM
B29	STUDY
B30	STUDY
B31	MATH LAB
B32	TEACHERS
B33	STUDY
B34	STUDY
B35	CLASSROOM
B36	CORRIDOR
B37	OFFICE
B38	OFFICE
B39	CLOSET
B40	CLOSET
B41	OFFICE
B42	RECORDS
B43	WAITING
B44	OFFICE
B45	CHAIR STORAGE
B46	VESTIBULE
B47	LOBBY
B48	COM. NS.
B49	CONFERENCE
B50	FACULTY DINING
B51	WOMEN

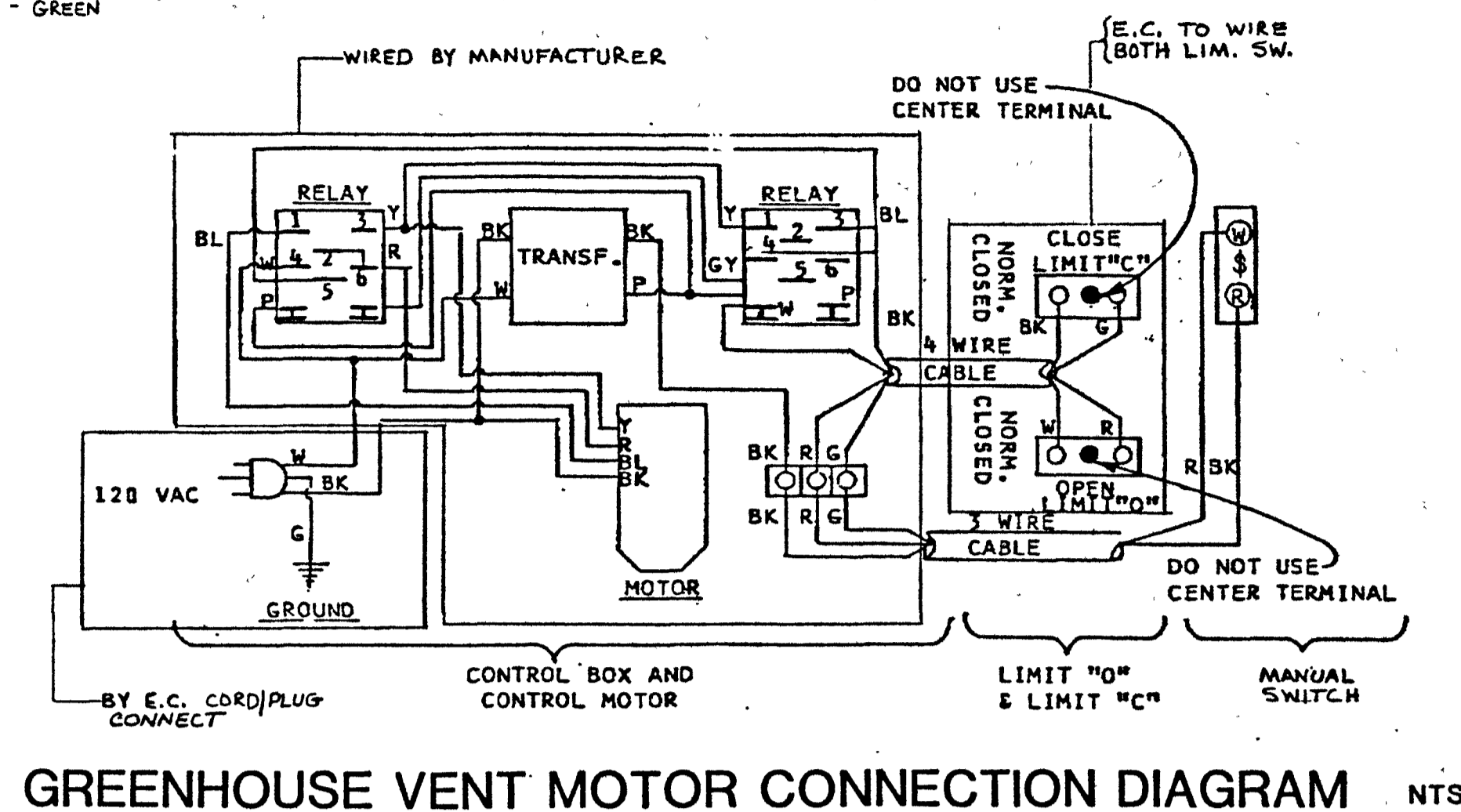
TYPE	DESCRIPTION	REMARKS
A	HUBBELL #B-2437 WITH #S-2425 COVER, ISC-3092 FITTING WITH BACK-TO-BACK DUPLEX RECEPTACLES AND CARPET FLANGE.	CAST IRON BOX AND TWO (2) DUPLEX RECEPTACLES.
B	MAXICOM #C103 WITH ONE (1) DUPLEX RECEPTACLE AND FOUR (4) MICROPHONE JACKS.	STEEL BACK BOX, VOLTAGE BARRIER AND DEVICE MOUNTING PLATE. CAST ALUMINUM TOP WITH HINGED COVER.
C	THIS TYPE NOT USED	
D	HUBBELL #B-2437 WITH #S-2425 COVER, ISC-3092 FITTING WITH ONE (1) BUSHED HOLE AND CARPET FLANGE.	CAST IRON BOX. FOR TELEPHONE.
E	SQUARE "D" #G2-1A WITH #G1486 INSERT ADAPTER AND REQUIRED BASE PLATE. ALSO WITH BUSHED HOLE.	PROVIDE FCA COMPUTER. MOUNT TO FLOOR DUCT AS REQUIRED.
F	SQUARE "D" #G2-BA WITH #G1486 INSERT ADAPTER AND REQUIRED BASE PLATE.	PROVIDE WITH ONE (1) DUPLEX D.C. RECEPTACLE. MOUNT TO UNDER FLOOR DUCT AS REQUIRED.



UNIT 'B' POWER PLAN
SCALE 1/8" = 1'-0"



COLOR CODE
BK - BLACK
W - WHITE
R - RED
G - GREEN



- ELECTRICAL SYMBOLS**
- ⊞ SINGLE-POLE SWITCH AT 48" AFF UNLESS NOTED OTHERWISE - TYPICAL ALL SWITCHES
 - ⊞ TWO-POLE SWITCH
 - ⊞ THREE-WAY SWITCH
 - ⊞ FOUR-WAY SWITCH
 - ⊞ KEY SWITCH
 - ⊞ LOW-VOLTAGE SWITCH
 - ⊞ PILOT-LIGHT SWITCH
 - ⊞ MANUAL MOTOR STARTER WITH T.O.L.
 - ⊞ DUPLEX RECEPTACLE AT 18" AFF UNLESS OTHERWISE NOTED - TYPICAL ALL OUTLETS
 - ⊞ QUADREX RECEPTACLE
 - ⊞ SPLIT-WIRED DUPLEX RECEPTACLE
 - ⊞ FULLY-SWITCHED DUPLEX RECEPTACLE
 - ⊞ HORIZONTAL MOUNT DUPLEX RECEPTACLE
 - ⊞ 108 VOLT OUTLET: a = NUMBER OF POLES, b = AMPERAGE
 - ⊞ FLOOR OUTLET
 - ⊞ TELEPHONE OUTLET
 - ⊞ TELEPHONE OUTLET FOR WALL-MOUNT TELEPHONE
 - ⊞ TELEVISION SYSTEM OUTLET
 - ⊞ TELEVISION SYSTEM OUTLET - QUADREX
 - ⊞ TELEVISION SYSTEM INLET
 - ⊞ MICROPHONE JACK
 - ⊞ MICROPHONE JACK WITH VOLUME CONTROL
 - ⊞ SOUND AUXILIARY JACK
 - ⊞ HEADSET JACK
 - ⊞ SPEAKER HORN
 - ⊞ CEILING SPEAKER
 - ⊞ SPECIAL PURPOSE RECEPTACLE
 - ⊞ SOUND SYSTEM CONTROL CONSOLE
 - ⊞ CALL-IN/CALL-BACK SWITCH AT 48" AFF
 - ⊞ WALL MOUNT SPEAKER
 - ⊞ MANUAL PULL STATION AT 48" AFF
 - ⊞ HORN/LIGHT UNIT AT 8'-0" UNLESS NOTED OTHERWISE
 - ⊞ HORN UNIT
 - ⊞ DOOR HOLDER
 - ⊞ TAMPER SWITCH
 - ⊞ FLOW SWITCH
 - ⊞ END-OF-LINE DEVICE
 - ⊞ DUCT DETECTOR
 - ⊞ POST INDICATOR VALVE
 - ⊞ FIRE ALARM CONTROL PANEL
 - ⊞ DOOR CONTACT
 - ⊞ HAIR DRYER
 - ⊞ JUNCTION BOX
 - ⊞ CLOCK
 - ⊞ ELAPSED-TIME CLOCK
 - ⊞ CLOCK-DOUBLE FACE
 - ⊞ COMPUTER OUTLET - WALL MOUNT
 - ⊞ DISCONNECT: a=AMPERAGE
 - ⊞ COMBINATION STARTER
 - ⊞ MOTOR
 - ⊞ TRANSFORMER
 - ⊞ EMERGENCY SHUT-DOWN STATION AT 48" AFF UNLESS NOTED OTHERWISE
 - ⊞ WEATHERPROOF
 - ⊞ GROUND FAULT INTERRUPTER
 - ⊞ AUTOMATIC TRANSFER SWITCH
 - ⊞ POWER ROOF EXHAUSTER
 - ⊞ FAN COIL UNIT
 - ⊞ FAN COIL UNIT
 - ⊞ ELECTRIC WATER COOLER
 - ⊞ UNIT VENTILATOR
 - ⊞ CABINET HEATER
 - ⊞ CEILING EXHAUST FAN
 - ⊞ UNIT HEATER
 - ⊞ AIR HANDLING UNIT
 - ⊞ FLUORESCENT LIGHT FIXTURE
 - ⊞ INCANDESCENT OR H.I.D. LIGHT FIXTURE - CEILING MOUNT
 - ⊞ INCANDESCENT OR H.I.D. LIGHT FIXTURE - WALL MOUNT
 - ⊞ SITE LIGHTING FIXTURE TYPE LP-A
 - ⊞ SITE LIGHTING FIXTURE TYPE LP-B
 - ⊞ EXIT LIGHT-CEILING MOUNT
 - ⊞ EXIT LIGHT-WALL MOUNT
 - ⊞ EMERGENCY/NIGHT LIGHT FIXTURE
 - ⊞ FIXTURE WITH EMERGENCY BALLAST

- DEFINITIONS:**
- Furnish** Obtain, Pay For and Deliver to the work site. Includes receiving at work site and suitably storing in the original shipping container for materials and equipment.
 - Install** Unpack, Transport from work site storage, hoist or otherwise move into position, fasten, connect services, test and place in operation as indicated.
 - Provide** Furnish and Install
 - Indicated** Shown, Noted, Scheduled, Specified or otherwise portrayed by printed or graphic means.

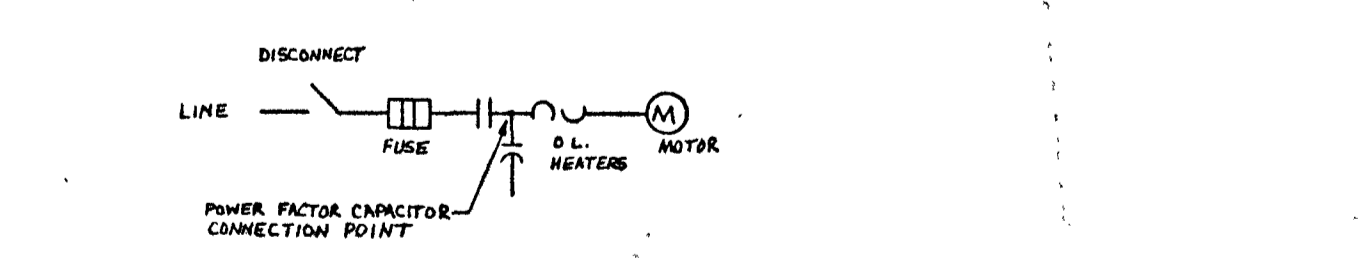
MOTOR STARTER SCHEDULE

MARK	EQUIPMENT	SPEED	NEMA SIZE	HP	AUXILIARY CONTACTS N.O. / N.C.	ROOM NUMBER	CONTROL ENCL. / REMOTE
MS-1	AHU-1	1	1	1-1/2	1	A47	T.P. TC
MS-2	AHU-2	1	1	2	1	A34	T.P. TC
MS-3	AHU-3	1	1	2	1	B51	T.P. TC
MS-4	AHU-4	1	1	1	1	B45	T.P. TC
MS-5	AHU-5	1	1	1	1	C13	T.P. TC
MS-6	AHU-6	1	1	1	1	D13	T.P. TC
MS-7	AHU-7 (3 REQUIRED)	1	1	1-1/2	3	E	T.P. TC
MS-8	AHU-8	1	1	1	1	E	T.P. TC
MS-9	AHU-9 (2 REQUIRED)	1	1	1	2	D03, D30	T.P. TC
MS-10	AHU-10	1	1	1	1	E12	T.P. TC
MS-11	AHU-11	1	1	1	1	E	T.P. TC
MS-12	AHU-12	1	1	1	1	E26	T.P. TC
MS-13	AHU-13	1	1	1	1	E33	T.P. TC
MS-14	AHU-14	1	1	1	1	E38	T.P. TC
MS-15	AHU-15	1	1	1	1	F18	T.P. TC
MS-16	AHU-16	1	1	1	1	G26	T.P. TC
MS-17	AHU-17	1	1	1	1	G26	T.P. TC
MS-18	AHU-18	1	1	1-1/2	1	F24	T.P. TC
MS-19	AHU-19	1	1	1	1	F30	T.P. TC
MS-20	SPRAYER COMPRESSOR	1	1	1	1		T.P. TC
MS-21	DUST COLLECTOR (SEE ALLOWANCES)	1	2	15	2	F38	T.P. TC
MS-22	POOL CIRCULATION PUMP P-1	1	2	25	2	G22	T.P. H-D-A-1
MS-23	1/2" AIR COMPRESSOR	1	1	1-1/2	1	G22	T.P. TC
MS-24	POOL HTR. CIRCULATION PUMP P-5	1	1	1-1/2	1	G22	T.P. TC
MS-25	CHILLED WATER PUMP (2 REQUIRED)	1	2	15	2	G23	T.P. TC
MS-26	HOT WATER CIRC. PUMP P-3	1	1	1	1	G26	T.P. TC
MS-27	HEATING PUMP BOILER #3 HP-1	1	1	1	1	G26	T.P. TC
MS-28	HEATER, POOL FAN MTR	1	1	2	1	G26	T.P. TC
MS-29	POOL DEHUMID. UNIT 2 FAN MTR	1	1	10	3	G26	T.P. TC
MS-30	(2 REQUIRED) HP-3 HEATING PUMPS	1	2	15	4	CB	T.P. TC
MS-31	TEMPERATURE CONT. COMPRESSOR PROVIDED W/SH COMPRESSOR	1	1	1	1	CB	T.P. TC
MS-32	GAS BURNER FAN MOTORS (2 REQUIRED)	1	1	3	4	CB	T.P. TC
MS-33	EXTERIOR PUMP P-2	1	2	15	3	CB	T.P. TC
MS-34	POOL DEHUM. DOMESTIC WATER PUMP	1	2	15	3	CB/A	T.P. P.C.
MS-35	POOL DEHUM. POOL WATER PUMP	1	2	15	3	CB/A	T.P. TC

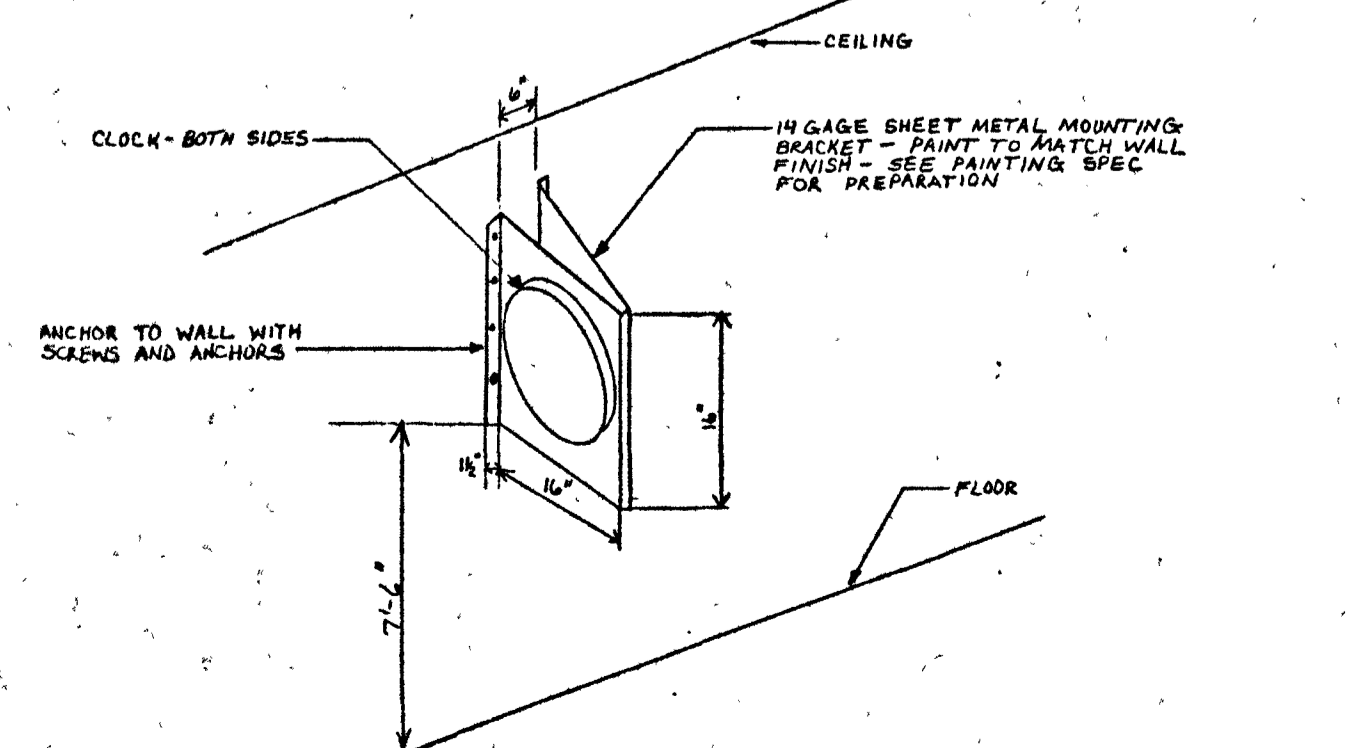
- NOTES:**
- STARTERS ARE 3-POLE, 480 VOLT COMBINATION WITH FUSED DISCONNECT SWITCH, CONTROL TRANSFORMER AND PHASE LOSS PROTECTION.
 - T = TEST SWITCH
P = PILOT LAMP
TC = TEMPERATURE CONTROL INTERLOCK
N.C. = CONTROL DEVICE BY OTHERS, CONNECTED BY E.C.
1 = SEE CONTROL SCHEMATICS ON DRAWING #E18
2 = FROM POOL DEHUMIDIFIER UNIT #1 CONTROL PANEL.
3 = SEE POWER FACTOR CORRECTION TABLE BELOW.
4 = THIS STARTER TO HAVE SOFT-START.

POWER FACTOR CORRECTION TABLE

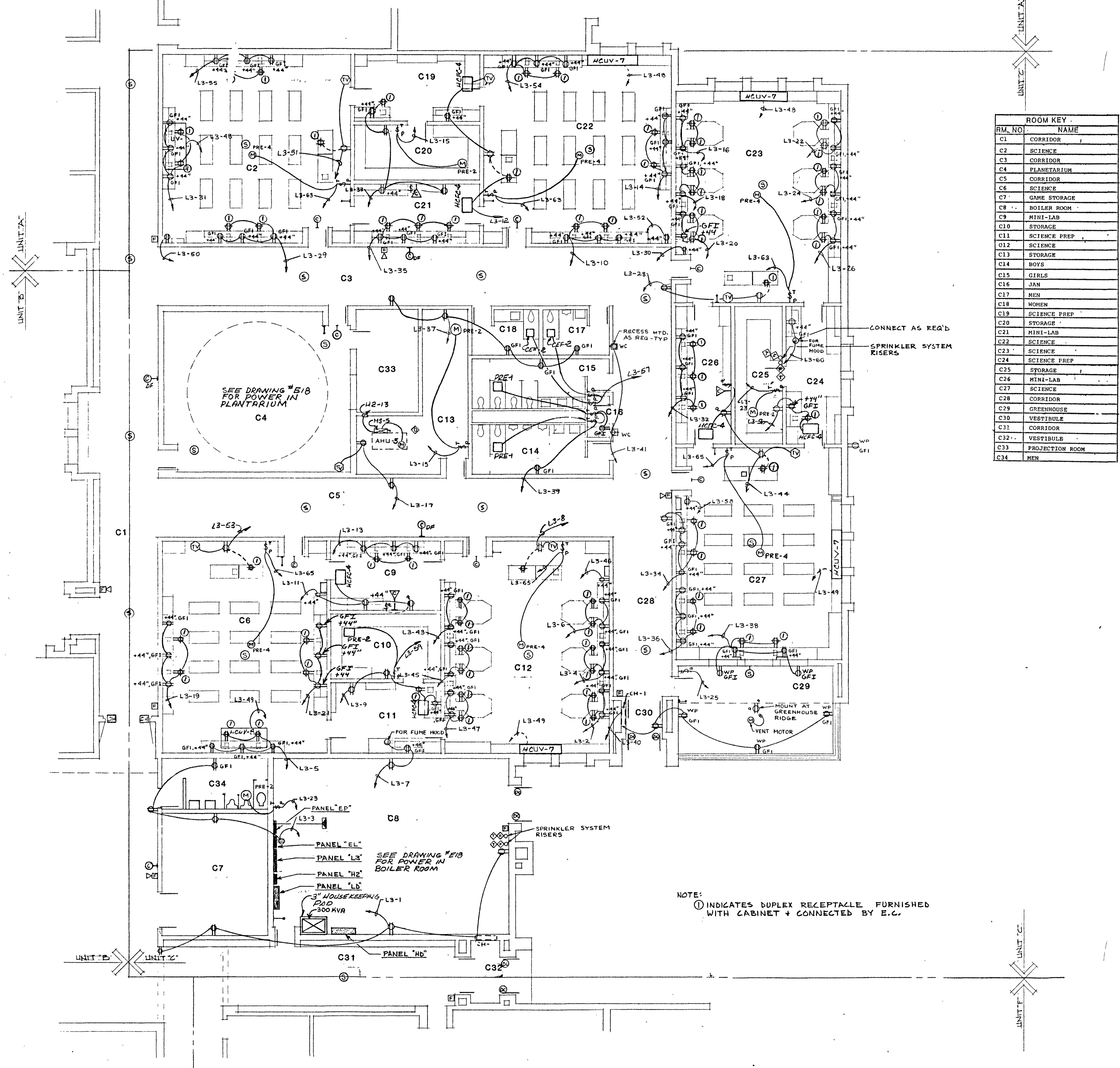
MOTOR HORSEPOWER	CAPACITOR KVAR
7.5	3
10	4
15	5
20	7.5
25	8



TYPICAL POWER FACTOR CONNECTION ONE LINE DIAGRAM NTS



DOUBLE-FACE CLOCK DETAIL NTS



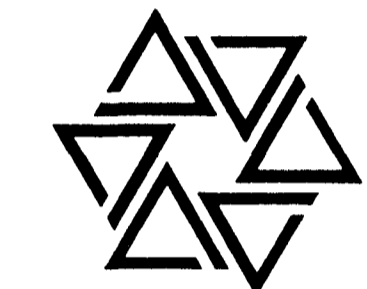
ROOM KEY

RM. NO.	NAME
C1	CORRIDOR
C2	SCIENCE
C3	CORRIDOR
C4	PLANETARIUM
C5	CORRIDOR
C6	SCIENCE
C7	GAME STORAGE
C8	BOILER ROOM
C9	MINI-LAB
C10	STORAGE
C11	SCIENCE PREP
C12	SCIENCE
C13	STORAGE
C14	BOYS
C15	GRLS
C16	JAN
C17	MEN
C18	WOMEN
C19	SCIENCE PREP
C20	STORAGE
C21	MINI-LAB
C22	SCIENCE
C23	SCIENCE
C24	SCIENCE PREP
C25	STORAGE
C26	MINI-LAB
C27	SCIENCE
C28	CORRIDOR
C29	GREENHOUSE
C30	VESTIBULE
C31	CORRIDOR
C32	VESTIBULE
C33	PROJECTION ROOM
C34	MEN

UNIT 'C' POWER PLAN SCALE: 1/8" = 1'-0"

UNIT 'C' POWER PLAN SCALE 1/8" = 1'-0"

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