

SITE PLAN

SCALE: 1"=20'-0"

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION TAKEN FROM BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY: WIGHTMAN PERICE, INC. 126 NORTH DISBROW CASSOPOLIS, MICHIGAN PHONE No. 616-445-3354

SOIL EROSION & SEDIMENTATION CONTROL NOTES:

GEOTEXTILE SILT FENCE OR SEDIMENT TRAPS SHALL BE PROVIDED AROUND CATCH BASIN COVERS WHERE DIRECTED BY THE ENGINEER TO PREVENT WASH OF SILT INTO THE STORM SEWER.

GEOTEXTILE SILT FENCE WILL BE INSTALLED WHERE DIRECTED BY THE ENGINEER TO PREVENT EROSION ON STEEP SLOPES DURING CONSTRUCTION.

FOR SOIL EROSION PROCEDURES, THE CONTRACTOR SHALL REFER TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION FOR SOIL EROSION CONTROL NUMBER AS SHOWN ON MDOT STANDARD PLAN V-46D. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, SEDIMENT TRAPS WILL BE INCLUDED WITH THE RESPECTIVE DRAINAGE STRUCTURE ITEM.

AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER. THESE COVER AREAS ACT AS SEDIMENT FILTERS. ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN-UP AND APPROVAL.

- LEGEND**
- = SET IRON
 - = FOUND IRON
 - T/C = TOP CURB
 - G = GUTTER
 - = GAS LINE
 - = OVERHEAD ELECTRIC & TELEPHONE
 - = WATER LINE
 - ⊕ = POWER POLE
 - ⊗ = WATER VALVE

PROJECT NOTES

DESCRIPTION:
LOT 54 PLAT OF THE VILLAGE OF EDWARDSBURG, CASS COUNTY, MICHIGAN.

"R-1" ZONING DISTRICT

ZONING REQUIREMENTS:

	REQUIRED	PROPOSED
FRONT YARD SETBACK	20'	15' (EXIST.)
SIDE YARD SETBACK	30'	4'
REAR YARD SETBACK	25'	19'
LOT AREA	20,000 SQ. FT. (MIN.)	16,644 SQ. FT.
BUILDING COVERAGE	30% (MAX)	21%
LOT WIDTH AT BUILDING LINE	100' (MIN)	143'
BUILDING INFORMATION		
USE GROUP-	A-3	
CONSTRUCTION TYPE-	5B	
NUMBER OF STORIES-	1	
PROPOSED TOTAL BUILDING FLOOR AREA	3245 SQ. FT.	

PROJECT NOTES:

PLANNING COMMISSION AND BOARD OF ADJUSTMENT APPROVALS HAVE BEEN OBTAINED.

ALL CONTRACTORS SHALL VISIT THE JOB SITE PRIOR TO BIDDING THE PROJECT TO UNDERSTAND ALL CONDITIONS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.

THE PROPOSED SEPTIC SYSTEM SHALL BE DESIGNED BY THE CASS COUNTY HEALTH DEPARTMENT UPON APPLICATION BY CONTRACTOR. THE INSTALLATION OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHOULD NOTE THAT MACHINE GRADING MODIFIED SHALL INCLUDE THE REMOVAL OF ALL BRUSH AND MISCELLANEOUS ITEMS AS REQUIRED. ALL REQUIRED EARTH EXCAVATION, EMBANKMENT, AND ALL OTHER OPERATIONS NECESSARY TO DEVELOP THE DESIRED CROSS SECTION. ALL TOPSOIL REMOVED MAY BE STOCKPILED AND REUSED AS TOPSOIL SURFACE-3".

CONTRACTOR SHALL PROVIDE CLASS A SEEDINGS-200#/ACRE, MULCH-2T/ACRE, CHEMICAL FERTILIZER NUTRIENT-300#/ACRE, AND TOPSOIL SURFACE-3" IN ALL DISTURBED AREAS NOT PAVED. AFTER THE TOPSOIL SURFACE IS INSTALLED, IT SHALL BE RAKED TO FORM A SMOOTH LAPN SURFACE, AND ALL STONES LARGER THAN 1/2" SHALL BE REMOVED, AND THEN ROLLED BEFORE SEEDING. SEED, MULCH, AND FERTILIZER SHALL BE APPLIED THRU HYDROSEEDING. WATER UNTIL GRASS IS ESTABLISHED.

CONTRACTOR TO PROVIDE STRAIN BALE DAMS OR SILT FENCES ACROSS ALL DITCHES, SWALES, AND ROUGH CUT ROADS WHICH EXIT FROM THE SITE TO ELIMINATE SEDIMENT RUNOFF. PROVIDE SEDIMENT BASINS WITH STRAIN BALE DAMS OR SILT FENCES AROUND ALL STORM SEWER STRUCTURES DURING CONSTRUCTION.

CONTRACTOR TO AVOID UNNECESSARY DISTURBING OR REMOVING EXISTING VEGETATED TOPSOIL, OR EARTH COVER. CONTRACTOR SHALL OBTAIN AND PAY ALL FEES FOR THE SOIL EROSION CONTROL PERMIT.

ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CONSTRUCTION.

ALL 3" DIAMETER OR LARGER WATERMANS MUST BE CLASS 52 DUCTILE IRON PIPE. ALL LINES UNDER 3" DIAMETER TO BE TYPE "K" COPPER OR GALVANIZED STEEL WITH WROUGHT IRON FITTINGS TO WITHIN 5' OF BUILDING. PROVIDE 5" MINIMUM COVERAGE FROM FINISHED GRADE. MAINTAIN 10 FOOT MINIMUM HORIZONTAL SEPARATION BETWEEN THE SANITARY SEWER AND THE WATERMAIN. MAINTAIN A 18" MINIMUM VERTICAL CLEARANCE BETWEEN THE SANITARY SEWER AND THE WATERMAIN, AND ALL OTHER UTILITIES. PROVIDE FITTINGS AS REQUIRED.

CONNECTION TO EXISTING SEWER AND WATER MUST BE MADE IN ACCORDANCE WITH LOCAL REQUIREMENTS. CONTACT CITY PRIOR TO MAKING CONNECTION.

ALL WATER LINES MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF PUBLIC HEALTH, AND LOCAL HEALTH DEPARTMENT REQUIREMENTS.

ALL TESTING OF SEWER AND WATER MUST BE WITNESSED BY AN ENGINEER.

SLOPE ALL GRADING UNIFORMLY FROM BACK OF CURB AT STREET EXISTING OR PROPOSED GRADES. IN AREAS WHERE NO CURBING IS PROPOSED, UNIFORMLY SLOPE PROPOSED GRADE TO EXISTING GRADE.

ALL CONSTRUCTION SIGNING TO BE IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK, AND SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.

FOR PROTECTION OF UNDERGROUND UTILITIES, AND IN CONFORMANCE WITH PUBLIC ACT 38, 1974, THE CONTRACTOR SHALL DIAL 1-800-482-7111 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THIS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED.

ALL FILL FOR THIS PROJECT MUST BE OBTAINED AND FURNISHED BY THE CONTRACTOR. ALL REQUIRED FILL SHALL BE SELECTED EXCAVATED MATERIAL FROM THE SITE APPROVED BY THE ENGINEER OR MDOT CLASS II GRANULAR MATERIAL FROM BORROW PITS. NO BORROW HAS BEEN PRE-ARRANGED BY THE OWNER. EXCESS FILL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATERMAIN, WATER SERVICES, OR STORM SEWER WHICH IS DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION, AND AT THE CONTRACTOR'S EXPENSE.

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED, SO THAT CLARIFICATION OR REDISIGN MAY OCCUR.
- ARCHITECTURAL WORK SHALL BE ACCORDING TO THE BOCA BUILDING CODE.
- ELECTRICAL WORK SHALL BE PERFORMED BY STATE OF MICHIGAN LICENSED ELECTRICIANS ACCORDING TO THE N.F.P.A. NATIONAL ELECTRICAL CODE AS MODIFIED BY THE STATE OF MICHIGAN. FURNISH AND INSTALL ALL MATERIALS AND LABOR TO PROVIDE A FULL WORKING ELECTRICAL SYSTEM.
- ALL PLUMBING WORK SHALL BE PERFORMED BY STATE OF MICHIGAN LICENSED PLUMBERS ACCORDING TO THE BOCA PLUMBING CODE AS MODIFIED BY THE STATE OF MICHIGAN, AND THE LOCAL HEALTH DEPARTMENT. FURNISH AND INSTALL ALL MATERIALS AND LABOR TO PROVIDE A FULL WORKING PLUMBING SYSTEM AND SEPTIC SYSTEM.
- HEATING AND AIR CONDITIONING SHALL ACCORDING TO BOCA MECHANICAL CODE AS MODIFIED BY THE STATE OF MICHIGAN AND THE MICHIGAN ENERGY CODE. FURNISH AND INSTALL ALL MATERIALS AND LABOR TO PROVIDE A FULL WORKING HVAC SYSTEM.
- INTERIOR CONCRETE SHALL BE 3,000 PSI AT 28 DAY CURE, TROVELED AND 3,500 PSI FOR EXTERIOR WORK. BROOM FINISH. INTERIOR CONCRETE SHALL HAVE NATURAL AGGREGATE AND THE EXTERIOR CONCRETE SHALL HAVE LIMESTONE AGGREGATE AND AIR ENTRAINMENT, 4-6%.
- CONCRETE TESTING-CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING ENGINEER TO VERIFY THE SLUMP, AIR ENTRAINMENT, AND PROVIDE (3) CYLINDER SAMPLES FOR EACH DAY'S POUR, OR EACH 50 C.Y. OF CONCRETE, WHICHEVER OCCURS MORE OFTEN.
- SOIL BEARING CAPACITY IS ASSUMED TO BE 2,500 PSF. FOOTINGS CONCRETE SHALL BE POURED TO THE DEPTH REQUIRED TO BEAR ON UNDISTURBED SOIL OR ON GRANULAR FILL COMPACTED TO 98% MODIFIED PROCTOR DENSITY. NOTIFY THE ARCHITECT IF THESE CONDITIONS ARE NOT PRESENT.
- TESTING REQUIREMENTS (ALL CONTRACTORS) SOIL AND GRAVEL DENSITY TESTING- CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING CONSULTANT TO VERIFY THE DENSITY OF ALL FILL EXCAVATION AS SPECIFIED, AND ALL SLAB, FOUNDATIONS AND FOOTING BEARING SURFACES AS RECOMMENDED BY ENGINEER.

PLYWOOD:

WALL AND ROOF SHEATHING-APA OSB RATED SHEATHING, EXPOSURE 32/16, 7/16" PANELS
SUB FLOOR-APA RATED SHEATHING, EXPOSURE 1 48/24 3/4" TONGUE AND GROOVE PLYWOOD.

GENERAL NOTES:

ALL DOOR AND WINDOW HEADERS TO BE (2) 2" X 12" (UNLESS OTHERWISE CALLED FOR). PROVIDE DOUBLE CRIPPLES FOR ALL SPANS OVER 6'-0".

FRAMING LUMBER:

JOISTS & RAFTERS:
#1 SOUTHERN YELLOW PINE, SURFACE DRIED
F=1,450 PSI (SINGLE)
E=1,700,000 PSI

STUDS:

DOUGLAS FIR NORTH, SURFACE DRIED
F=1,450 PSI
E=1,500,000 PSI

LAMINATED BEAMS:

FOR BEAMS 15 INCHES AND LESS IN DEPTH:
F=2,000 PSI
E=1,500,000 PSI

FOR BEAMS 15 1/2 INCHES, AND GREATER IN DEPTH:
F=2,400 PSI
E=1,700,000 PSI

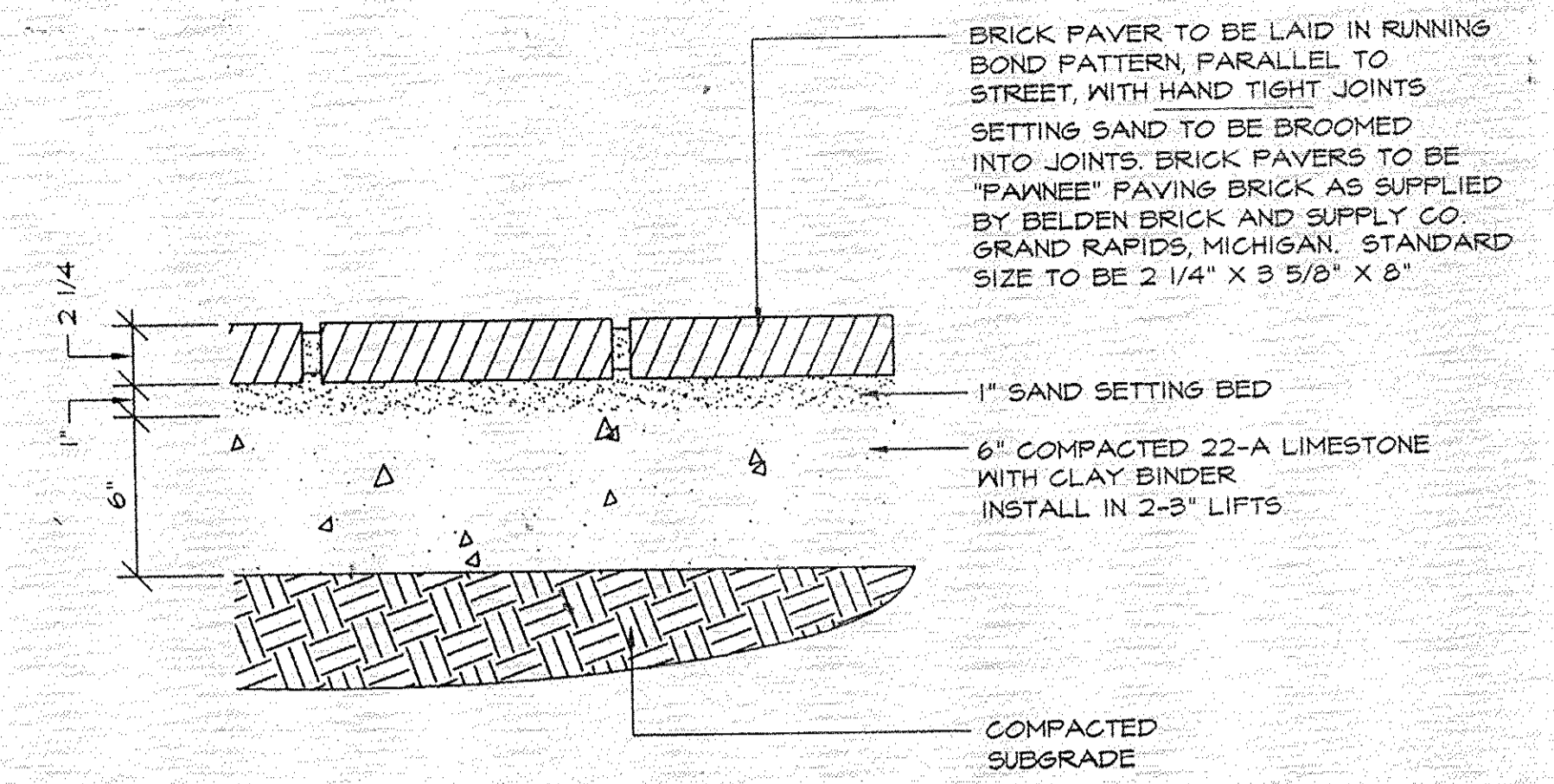
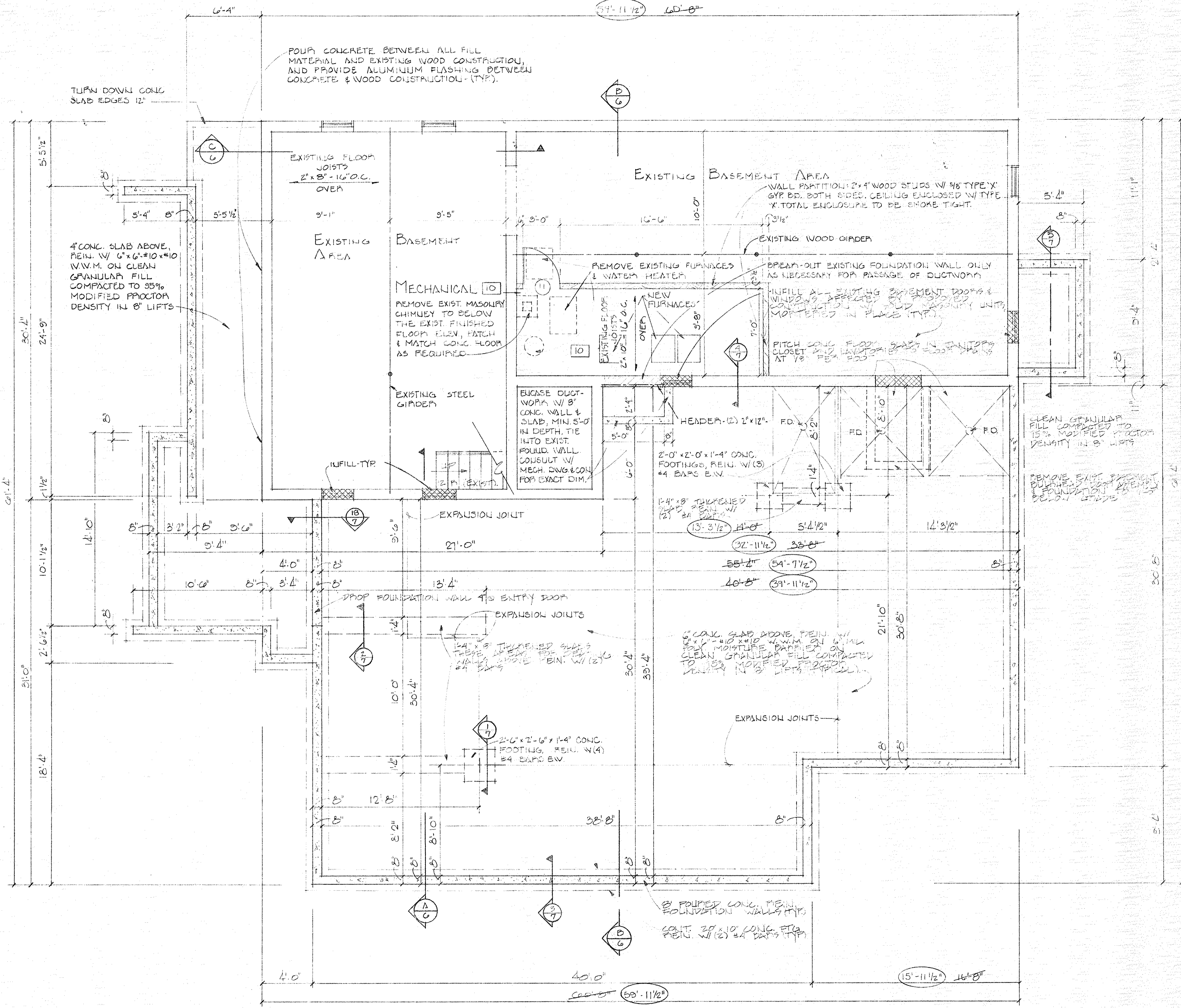
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CASS DISTRICT LIBRARY, EDWARDSBURG
CHURCH STREET, EDWARDSBURG, MICHIGAN

SCALE: AS NOTED APPROVED BY: DLG
DATE: MAR., 1995 REVISION:

WIGHTMAN & ASSOCIATES, INC.
920 BROAD STREET, ST. JOSEPH, MICHIGAN

SITE PLAN, NOTES, GENERAL NOTES DRAWING NUMBER: X-3279-1



BRICK PAVING INSTALLATION (1/2)
NO SCALE

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

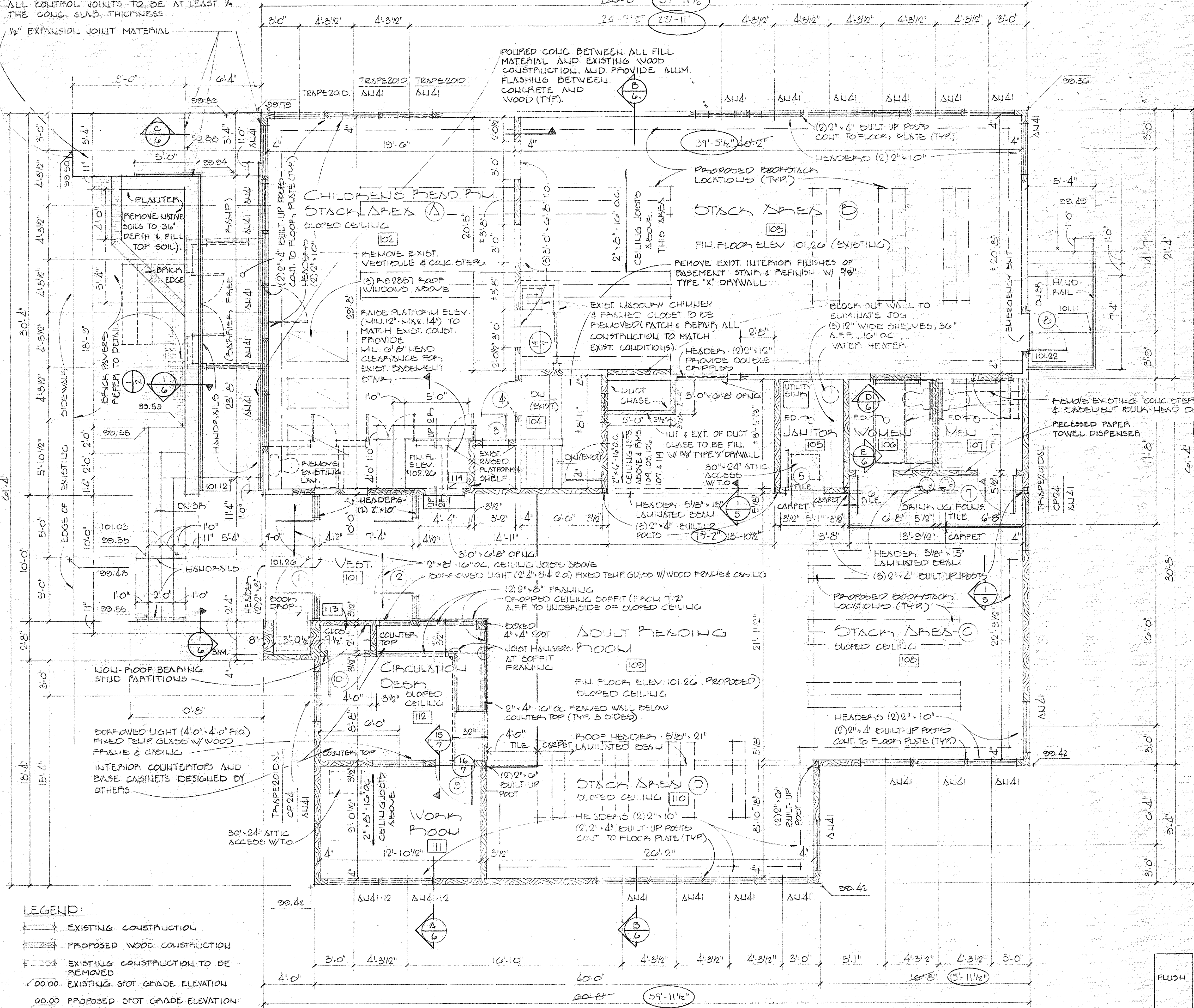
NOTE: CIRCLED DIMS. TO REPLACE CROSSED OUT DIMS. - CHANGES PER CONTRACTOR'S FIELD VERIFICATION OF EXISTING CONDITIONS.

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DATE:		DLG
WIGHTMAN & ASSOCIATES, INC. 920 BROAD STREET ST. JOSEPH, MICHIGAN		
FOUNDATION PLAN		DRAWING NUMBER: X-3279-2

4" CONC. SIDEWALK. INSTALL CONTROL JOINTS IN CONC. SIDEWALK NO MORE THAN 5'-0" O.C., ALL CONTROL JOINTS TO BE AT LEAST 1/4 THE CONC. SLAB THICKNESS.

1/2" EXPANSION JOINT MATERIAL



ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	VESTIBULE		Q.T.	UNFL.	UNFL.	8'-0" VINYL BASE
102	CHILD READ RM	C				5L
103	STACK AREA B	C				5L
104	STAIRS					9'-0"
105	JANITORY CL.	Q.T.				8'-0"
106	REST RM.	Q.T.				8'-0"
107	REST RM.	Q.T.				8'-0"
108	STACK AREA C	Q.T.				5L
109	ADULT READ RM	Q.T.				5L
110	STACK AREA D	C				5L
111	WOMEN RM.					8'-0"
112	CIRCUL DESK					5L
113	CLOSET					PROVIDE SHELF & CLOTHES POLE
114	CLOSET	C	UNFL.	DRYW.	DRYW.	5L & VINYL BASE
10	MECHANICAL	UNFL.		DRYW.	DRYW.	8'-2" DRYWALL - 1/2" TYPE 'X'

* SLOPED CEILING
 Q.T. = QUARRY TILE DRY W. = DRYWALL 5L = SLOPED CEILING UNFL. = UNFINISHED
 C = CARPET P = PAINT

NOTE: DRYWALL (GYPSUM WALL) SHALL BE 1/2", UNLESS OTHERWISE CALLED FOR.

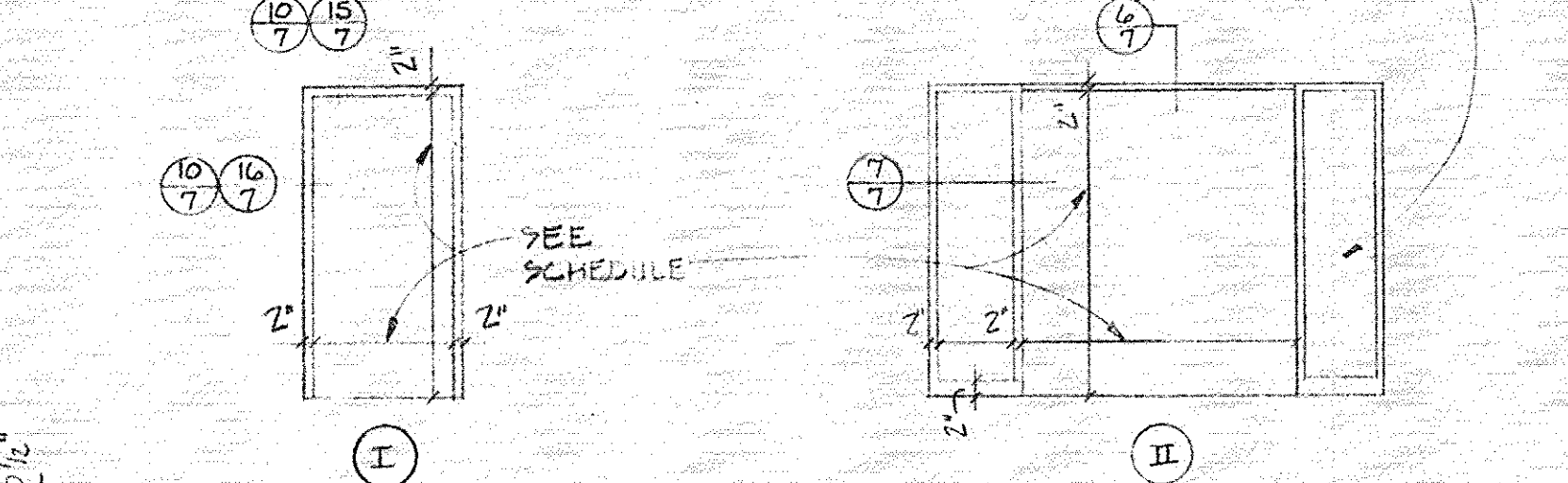
DOOR SCHEDULE

DOOR NO.	DOOR SIZE	DOOR	TYPE	MAT.	FIN.	GLAZING	FRAME	REMARKS
1	2'11 3/4" x 8'-0" x 7'-0"	D	ALUM.	INSUL.	INSUL.	INSUL.	II ALUM.	NOTE 2, 5, 7, 8
2	2'11 3/4" x 5'-0" x 7'-0"	D	ALUM.	INSUL.	INSUL.	INSUL.	II ALUM.	NOTE 2, 7, 8
3	1'9 1/4" x 2'-0" x 5'-8"	A	WOOD	SVN			I H.M.	
4	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	1 HA. PATED, NOTE 3
5	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	NOTE 4
6	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	NOTE 1, 2, 4
7	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	NOTE 1, 2, 4
8	1'9 1/4" x 3'-0" x 7'-0"	A	H.M.				I H.M.	INSUL. DR. 2, 3, 6, 7
9	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	
10	1'9 1/4" x 3'-0" x 6'-8"	A	WOOD	SVN			I H.M.	
11	1'9 1/4" x 3'-0" x 7'-0"	A	H.M.	PAINT	NOUE		I H.M.	HA. PATED, NOTE 3

NOTE 1: PROVIDE DOOR SIGNAGE "MEN" & "WOMEN"
 NOTE 2: PROVIDE SELF-CLOSING COMPLIANT W/ CURRENT ADA & IBC EFC CODES.
 NOTE 3: PROVIDE SELF-CLOSING
 NOTE 4: UNDERCUT DOOR 1"
 NOTE 5: GLAZING TO BE TINTED
 NOTE 6: PROVIDE ALARMS, BATTERY POWERED EXIT CONTROL LOCK
 NOTE 7: EXTERIOR DOORS ARE TO BE PROVIDED W/ ALUM. THRESHOLDS & ALL DOORS TO BE WEATHERSTRIPPED.
 NOTE 8: COATING COLOR AS SELECTED BY OWNER.

SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

NOTES:
 WINDOW CATALOGUE NUMBERS REFERENCE ANDERSEN PRODUCTS. GLAZING TO BE HIGH PERFORMANCE INSULATING GLASS, AND OPERATING UNITS SHALL BE PROVIDED W/ PERMA-CLEAN INSECT SCREENS. PROVIDE ANDERSEN ELECTRIC WINDOW OPENERS FOR ALL CRESTORY WINDOWS. CONTRACTOR TO FIELD VERIFY ALL TRAPEZOIDAL UNIT R.O. SIZES PRIOR TO ORDERING.
 ALL DOOR & WINDOW HEADERS ARE TO BE (2) 2" x 12" W/ PLYWOOD SPACERS (UNLESS OTHERWISE CALLED FOR ON PLANS). PROVIDE DOUBLE CHIPPLES FOR ALL SPANS 6'-0" AND OVER.
 ALL WINDOWS TO BE TRIMMED W/ 1/4" x 2 1/4" POUDEPOSA PINE MODERN STYLE CASING. CASING TO BE PICTURE FRAME STYLE, AND READY TO RECEIVE FINIT FINISH.
 PRE-FINISHED ALUM. STORE FRONT WINDOW SYSTEMS TO BE "MANWEBER" PRODUCTS. ALUM. SIDEWALKS - 450 SERIES, ALUM. DOORS - 350 SERIES. STORE FRONT WINDOW SYSTEM TO INCLUDE THERMO-BREAKS, INSULATED GLASS. EXTERIOR SYSTEMS GLAZING TO BE TINTED. ALL STORE FRONT SYSTEM GLAZING TO BE THERMO-BREAK GLASS. OWNER TO SELECT GLAZING TINT & FRAME COLOR FINISH. MANWEBER ALUM. STOREFRONT DOOR HARDWARE BY DOOR MANUFACTURER. INTERIOR AND EXTERIOR DOORS ARE TO BE PROVIDED W/ STYLE FZ PULL HANDLES AND PUSH BARS, AND THE MANWEBER CONTROLLER LOCKING SYSTEM. DOOR CLOSERS ARE TO BE LGW 4041.
 GLASS TYPE - SEE SCHEDULE



FRAME TYPES
 NOT TO SCALE

FLUSH
 TEMP GLASS
 GLASS TYPE - SEE SCHEDULE

LEGEND:
 [Symbol] EXISTING CONSTRUCTION
 [Symbol] PROPOSED WOOD CONSTRUCTION
 [Symbol] EXISTING CONSTRUCTION TO BE REMOVED
 [Symbol] EXISTING SPOT GRADE ELEVATION
 [Symbol] PROPOSED SPOT GRADE ELEVATION

FLOOR PLAN

SCALE 1/4" = 1'-0"

NOTE: CIRCLED DIMS TO REPLACE CROSSED OUT DIMS. - PER CONTRACTOR FIELD VERIFICATION OF EXIST. CONDITIONS.

Door Types
 NOT TO SCALE

NOTE: SEE DOOR SCHED FOR DOOR AND FRAME SIZES AND MATERIALS.

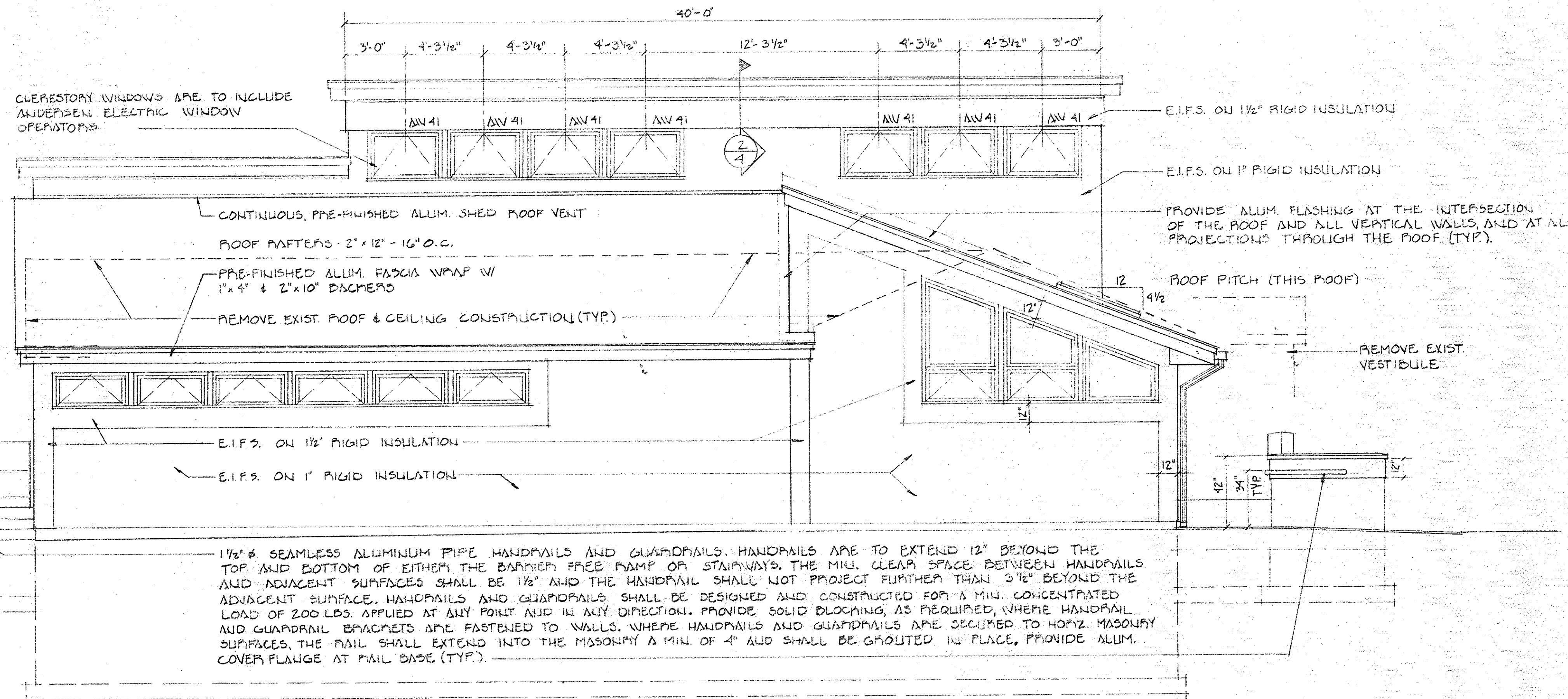
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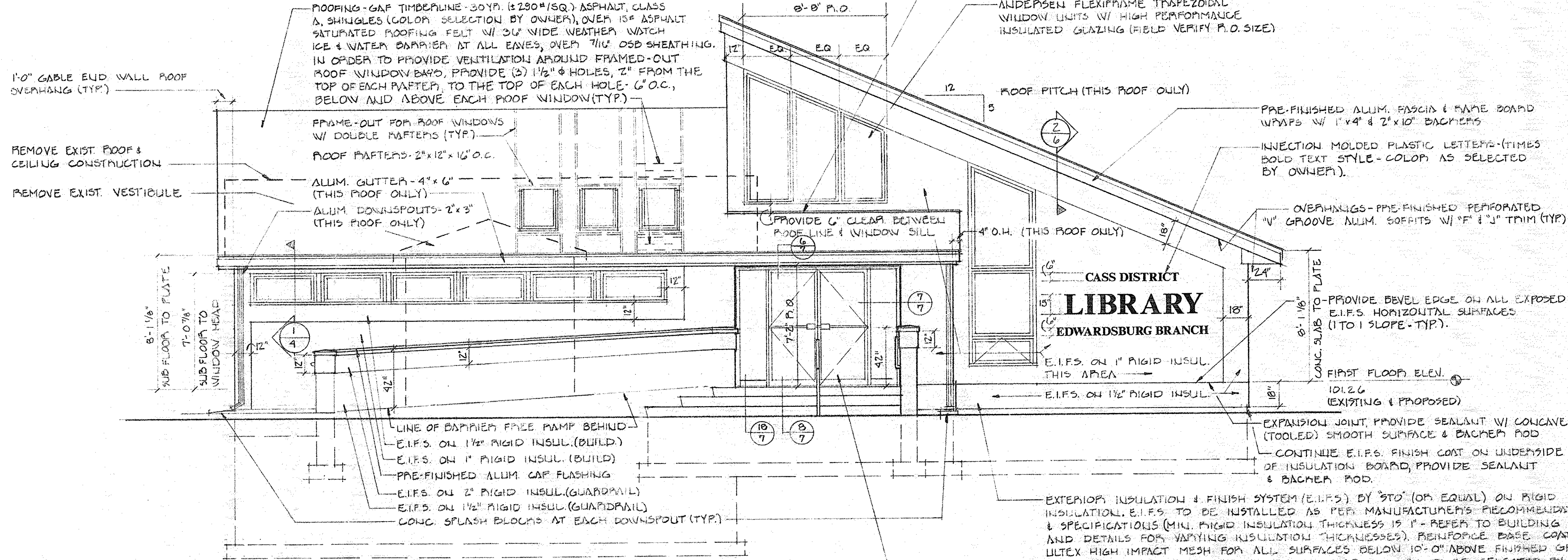
WIGHTMAN & ASSOCIATES, INC.
 920 BROAD STREET, ST. JOSEPH, MICHIGAN

FLOOR PLAN DRAWING NUMBER: X-3279-3
 DOOR & WINDOW SCHEDULES, NOTES



EXTERIOR ELEVATION

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



NORTHERN ELEVATION

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

ROOFING - GAF TIMBERLINE-30 YR. (290#/SQ.) ASPHALT CLASS A SHINGLES (COLOR SELECTION BY OWNER) OVER 15# ASPHALT SATURATED ROOFING FELT W/ 3/4\"/>

2x12 RAFTERS - 16\"/>

SEE ELEVATIONS FOR ROOF PITCH

INSULATION Baffle TO INSURE AIR FLOW

PRE-FINISHED ALUM. DRIP EDGE

PRE-FINISHED ALUM. FASCIA WRAP W/ 1x4 & 2x10\"/>

CONTINUOUS, PRE-FINISHED PERFORATED, 1/2\"/>

WOOD BLOCKING

3/4\"/>

7/16\"/>

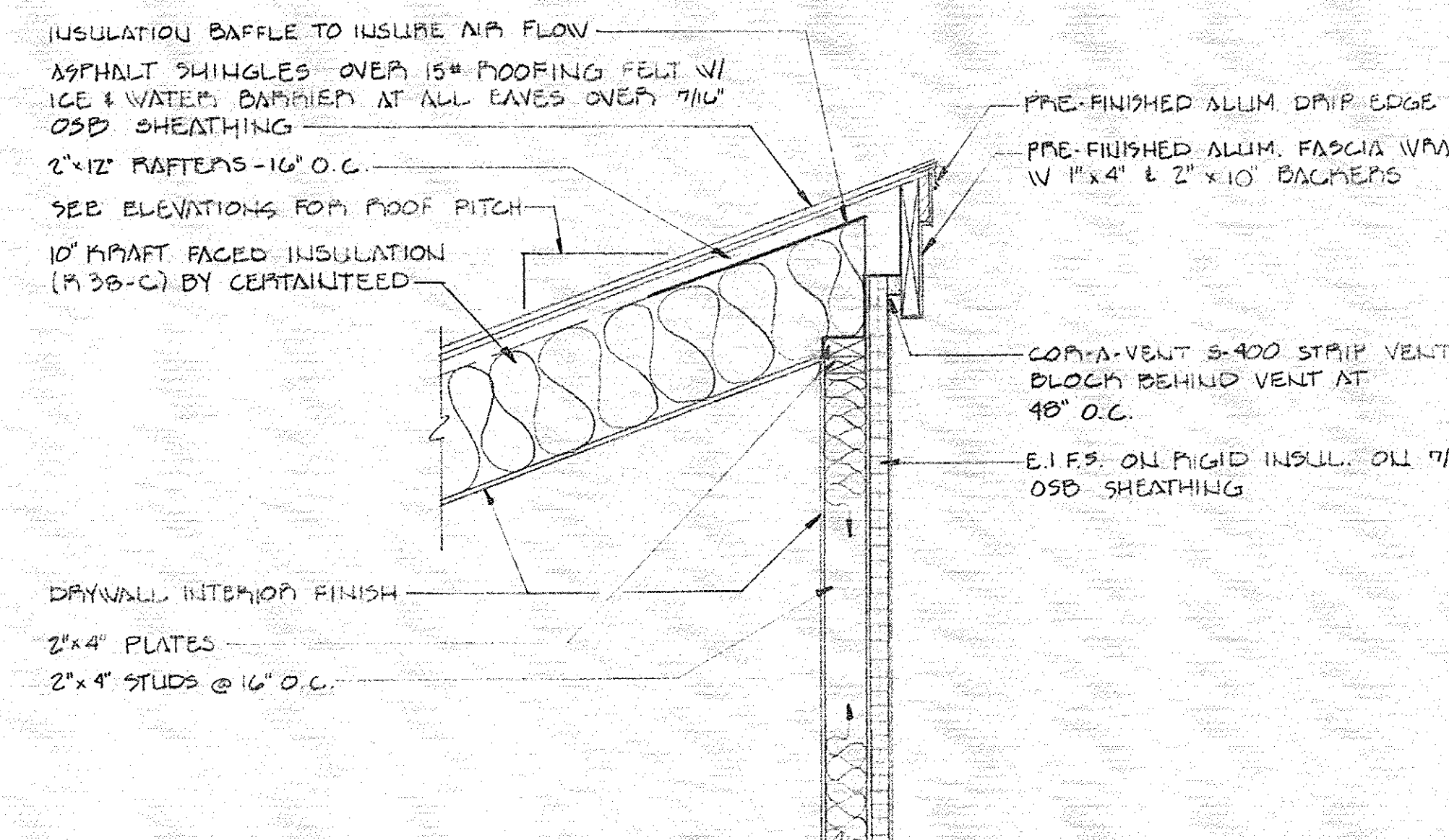
E.I.F.S. REINFORCE BASE COAT W/ ULTEX HIGH IMPACT MESH FOR ALL SURFACES BELOW 10'-0\"/>

PRE-FINISHED ALUM. FLASHING

CAULK PERIM.

ROOF SECTION DETAIL 1

SCALE: 1" = 1'-0"



ROOF SECTION DETAIL 2

SCALE: 1" = 1'-0"

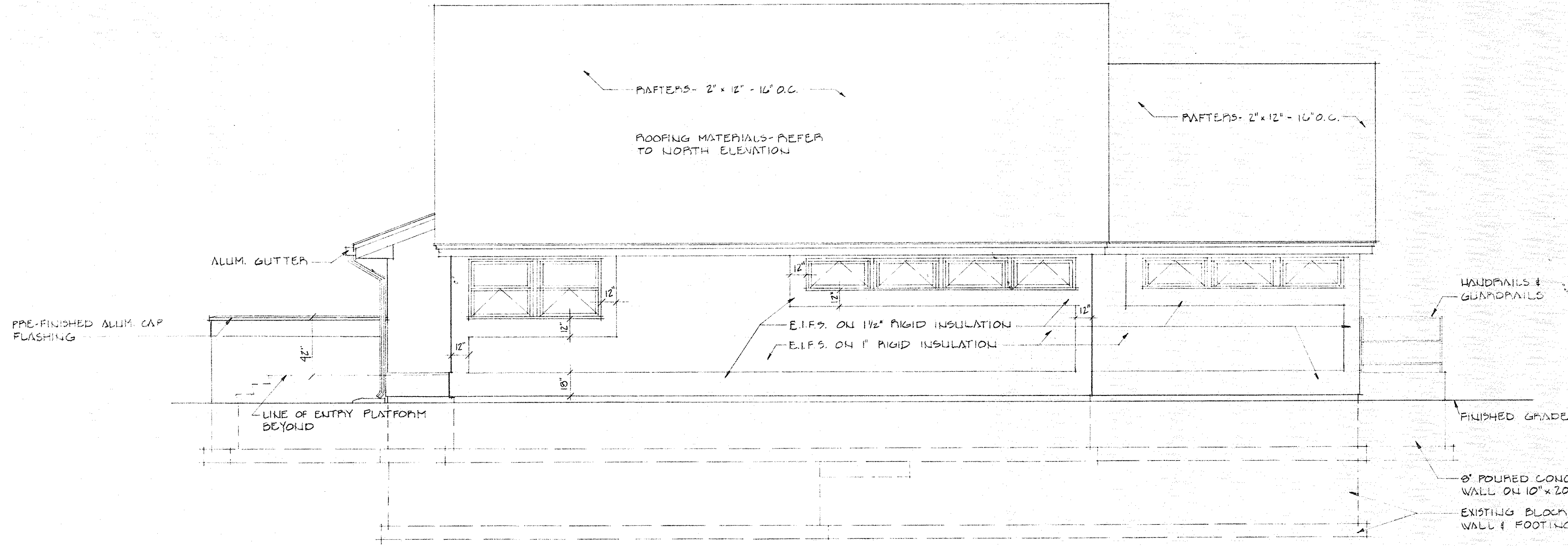


EXTERIOR INSULATION & FINISH SYSTEM (E.I.F.S.) BY 3\"/>

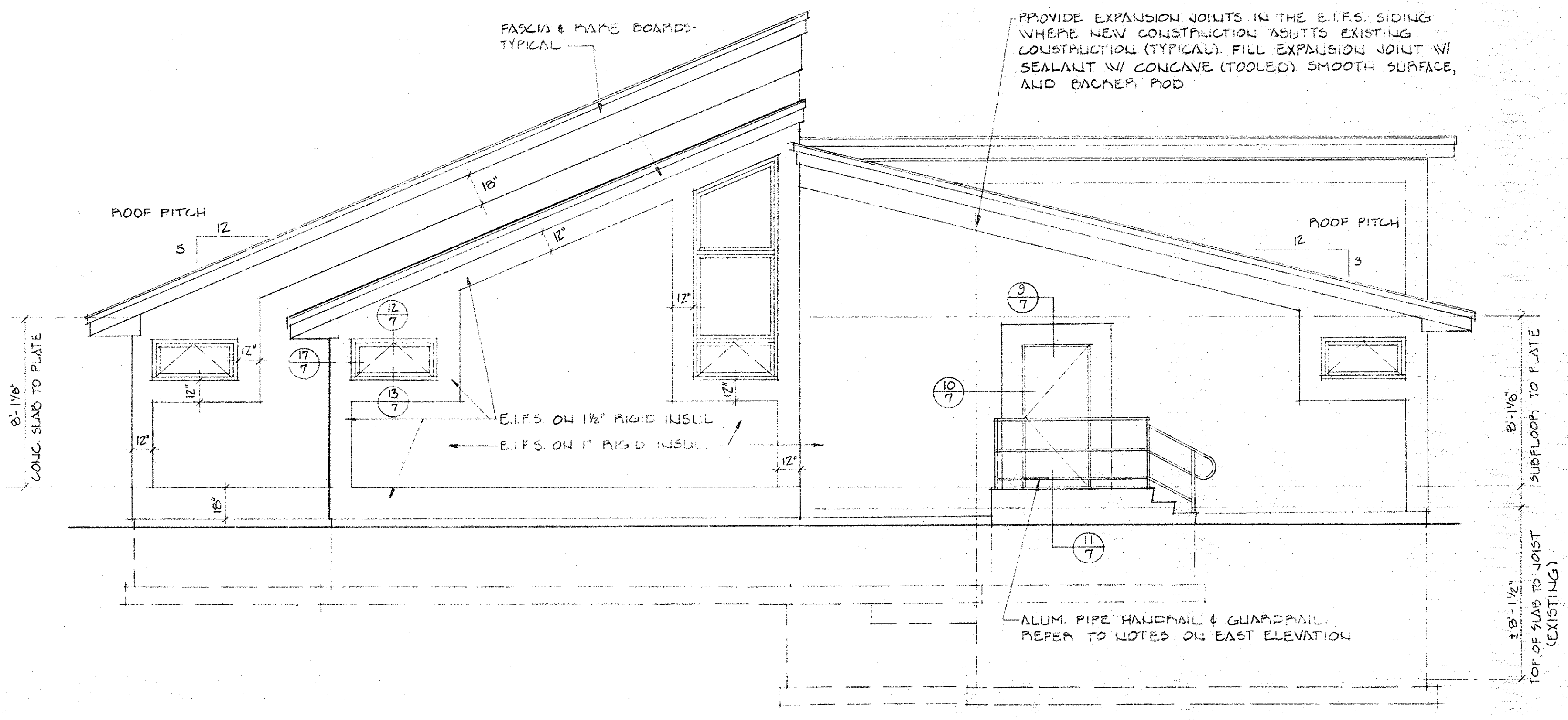
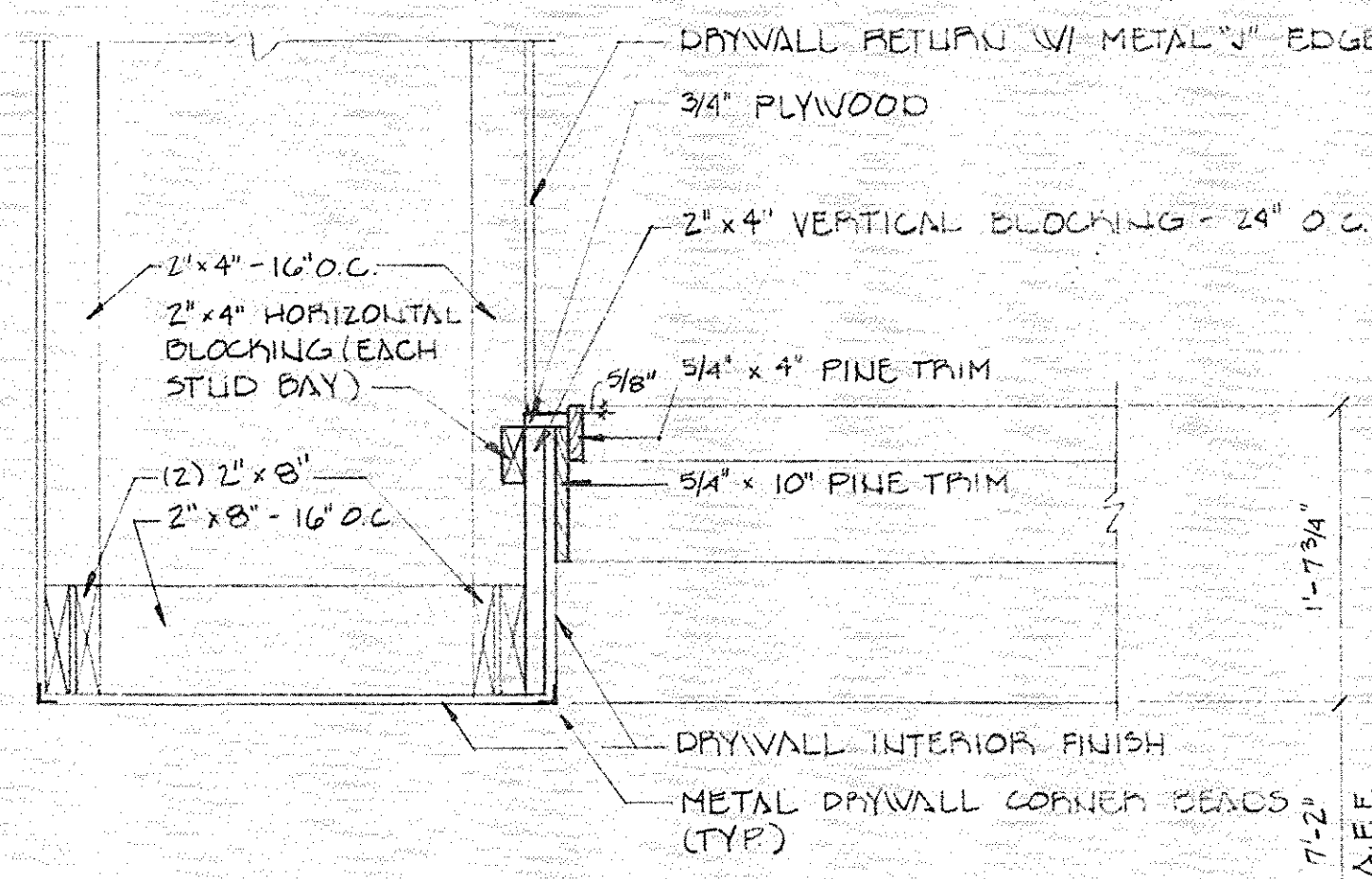
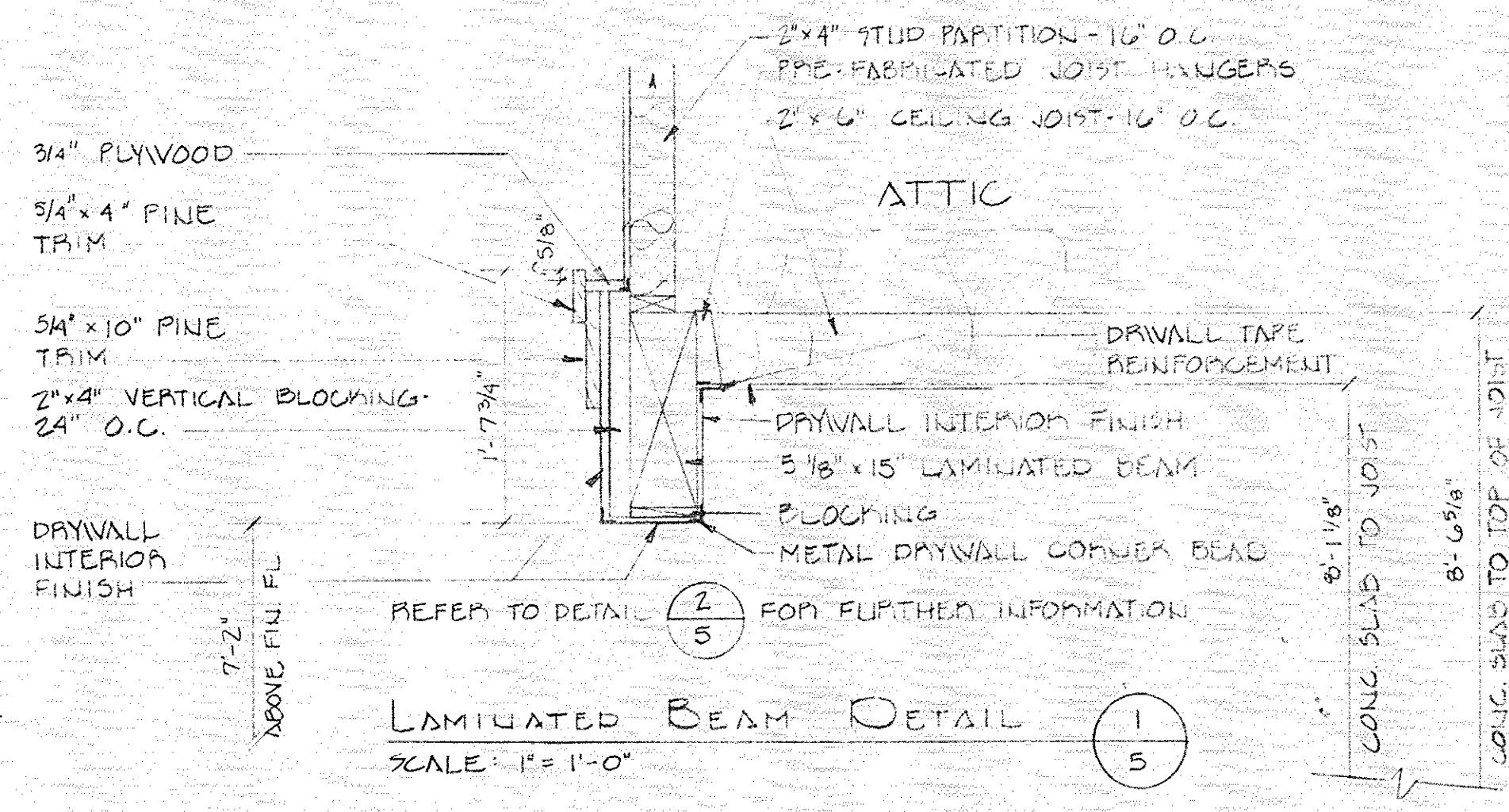
ANODIZED FIN. ALUM. STORE FRONT WINDOW & DOOR SYSTEMS W/ THERMO BREAK & INSULATED GLASS. ALL GLAZING SHALL BE TEMPERED. PROVIDE WEATHERSTRIPPING INTERIOR & EXTERIOR DOOR ASSEMBLIES. INTERIOR ASSEMBLY GLAZING SHALL BE CLEAR. EXTERIOR DOOR ASSEMBLY SHALL HAVE TINTED GLAZING, & BARRIER FREE ALUM. THRESHOLD

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CHURCH STREET, EDWARDSBURG, MICHIGAN		
SCALE: AS NOTED	APPROVED BY	DRAWN BY WAM-DLG
DATE		
WIGHTMAN & ASSOCIATES, INC.		
920 BROAD STREET ST. JOSEPH, MICHIGAN		
ELEVATIONS AND DETAILS		DRAWING NUMBER X-3279-4



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



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

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CHURCH STREET, EDWARDSBURG, MICHIGAN		
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DATE:		
WIGHTMAN & ASSOCIATES, INC.		
920 BROAD STREET ST. JOSEPH, MICHIGAN		
ELEVATIONS AND DETAILS		DRAWING NUMBER X-3279-5

ROOFING - GAF TIMBERLINE - 30YR. (#290#/SQ.) ASPHALT, CLASS A, SHINGLES (COLOR SELECTION BY OWNER), OVER 15# ASPHALT SATURATED ROOFING FELT W/ 3/16" WIDE WEATHER WATCH ICE & WATER BARRIER AT ALL EAVES, OVER 7/16" OSB SHEATHING.

2" x 12" RAFTERS - 16" O.C.

2" x 6" BLOCKING EACH RAFTER BAY

10' KRAFT FACED BATT INSULATION (R-38C) BY CERTAINTEED

12" KRAFT FACED FIBERGLASS BATT INSULATION (R-38) BY CERTAINTEED

2" x 8" CEILING JOISTS - 16" O.C.

DRYWALL INTERIOR FINISH

CIRCULATION DESK

WORK ROOM

VINYL BASE

6" CONC. SLAB REINFORCED W/ 6" x 6" #10 x #10 W.W.M. ON 6 MIL POLYETHYLENE MOISTURE BARRIER OR MIN. 6" CLEAN GRANULAR FILL COMPACTED TO 95% MODIFIED PROCTOR DENSITY

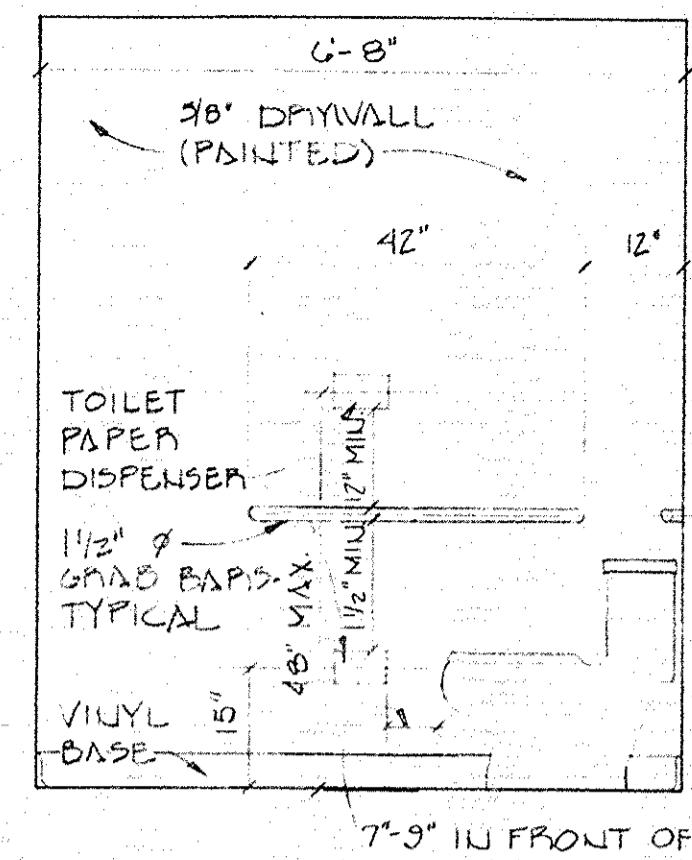
2" x 24" RIGID PERIMETER INSULATION

8" POURED CONC. FOUNDATION WALL

20" x 10" CONC. FOOTING

BUILDING SECTION DETAIL A

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



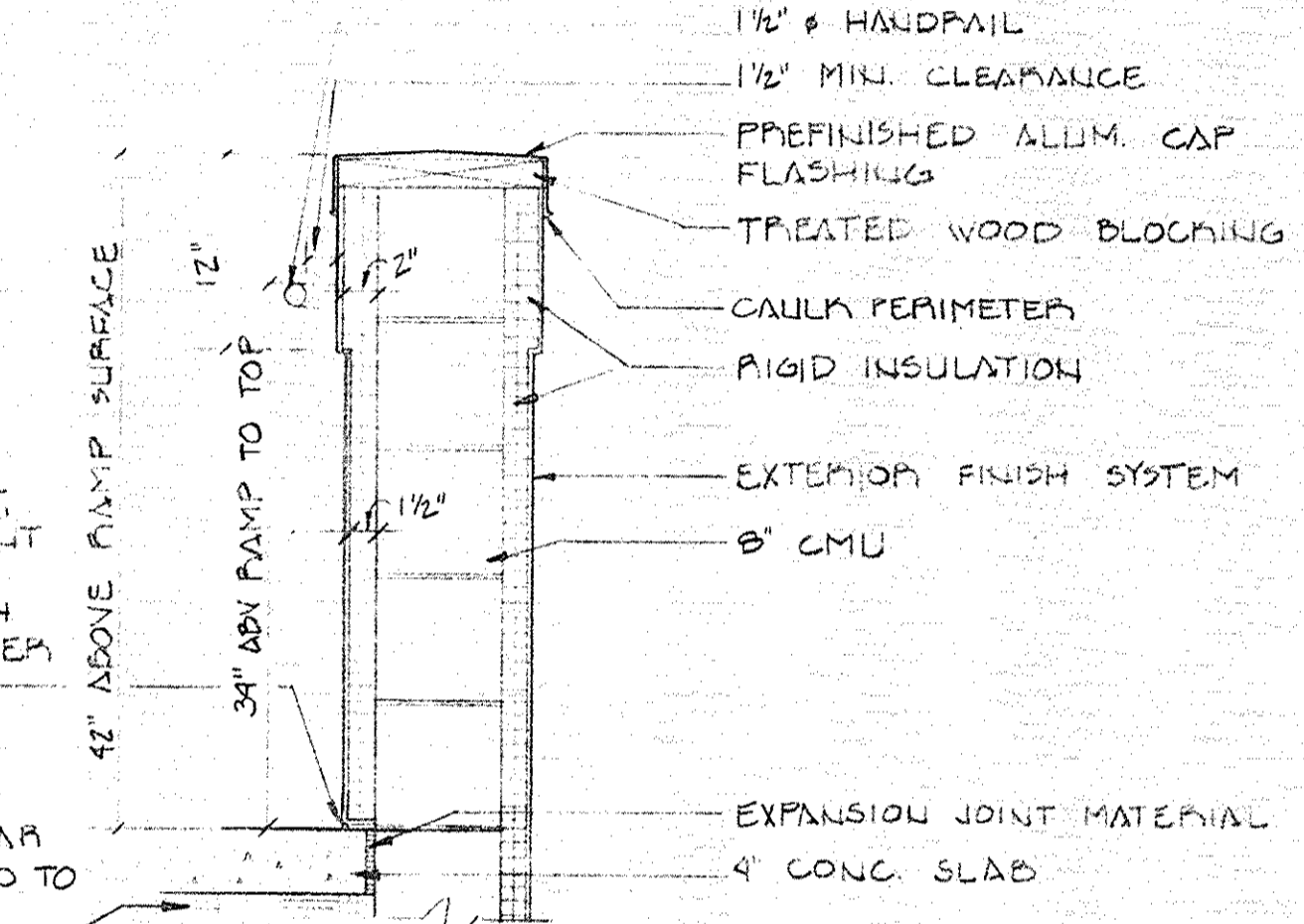
WOMEN'S B.F. TOILET ROOM ELEVATIONS

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

ELEVATION D

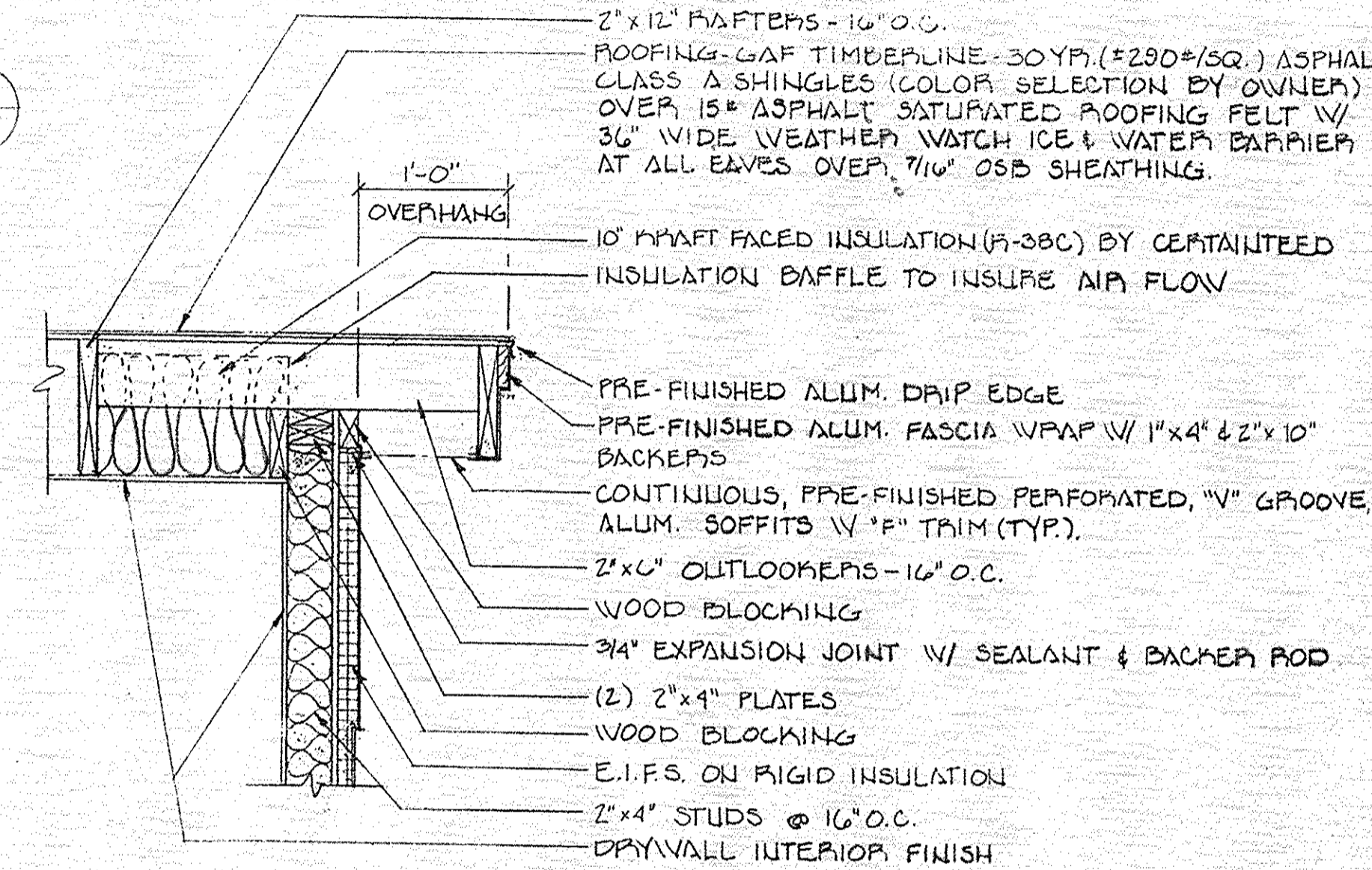
ELEVATION E

NOTES:
1. PROVIDE SOLID BLOCKING BEHIND GRID BARS
2. HOT WATER PIPING & DRYWALL PIPE UNDER VAN TO BE INSULATED



RAMP SECTION DETAIL 1

SCALE: 1" = 1'-0"



ROOF SECTION DETAIL 2

SCALE: 1" = 1'-0"

PICTURE FRAME ALL WINDOW OPENINGS W/ 1/2" x 2 1/4" POUDEROSSA PINE MODERN CASING

INTERIOR SHELF ABOVE VESTIBULE - PROVIDE 3/4" T&G PLYWOOD SUB FLOOR & CARPET FINISH

5/8" x 21" LAMINATED BEAM W/ DRYWALL WRAP

10' KRAFT FACED BATT INSULATION (R-38C) BY CERTAINTEED

STACK AREA

CIRCULATION DESK

HALLWAY

STACK AREA

MECHANICAL CHASE

EXISTING BASEMENT

CHILDREN'S READING ROOM

STACK AREA

EXISTING BASEMENT

REMOVE EXISTING CEILING & ROOF FRAMING

12' KRAFT FACED FIBERGLASS BATT INSULATION (R-38) BY CERTAINTEED

REMOVE EXISTING ALUMINUM SIDING, BUILDING PAPER, ETC. & PREPARE SHEATHING TO RECEIVE NEW E.I.F.S. EXTERIOR FINISH.

REMOVE EXISTING CEILING & ROOF FRAMING

12' KRAFT FACED FIBERGLASS BATT INSULATION (R-38) BY CERTAINTEED

REMOVE EXISTING ALUMINUM SIDING, BUILDING PAPER, ETC. & PREPARE SHEATHING TO RECEIVE NEW E.I.F.S. EXTERIOR FINISH.

REMOVE EXISTING CEILING & ROOF FRAMING

12' KRAFT FACED FIBERGLASS BATT INSULATION (R-38) BY CERTAINTEED

REMOVE EXISTING ALUMINUM SIDING, BUILDING PAPER, ETC. & PREPARE SHEATHING TO RECEIVE NEW E.I.F.S. EXTERIOR FINISH.

BUILDING SECTION DETAIL B

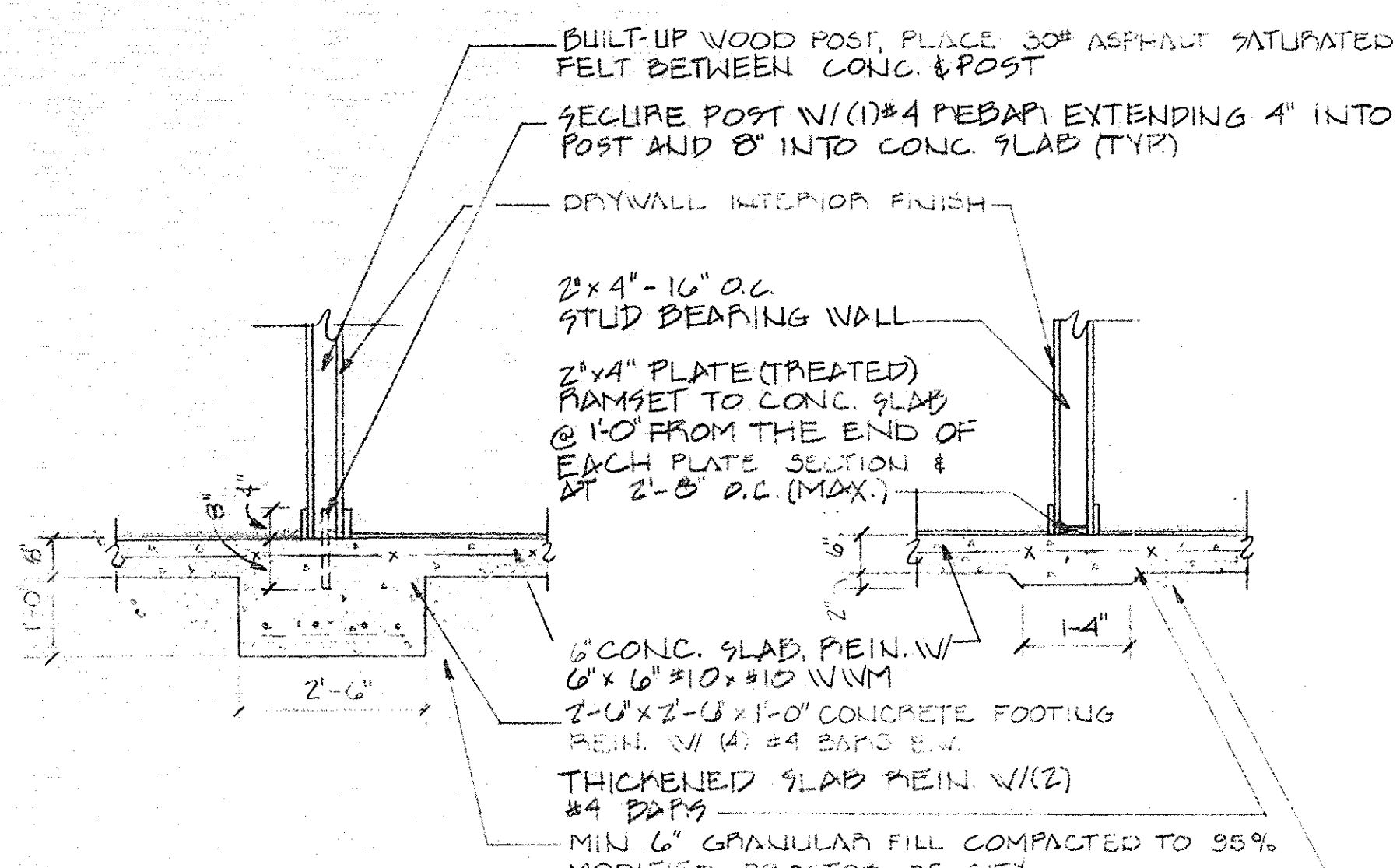
SCALE: 1/4" = 1'-0"

BUILDING SECTION DETAIL C

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

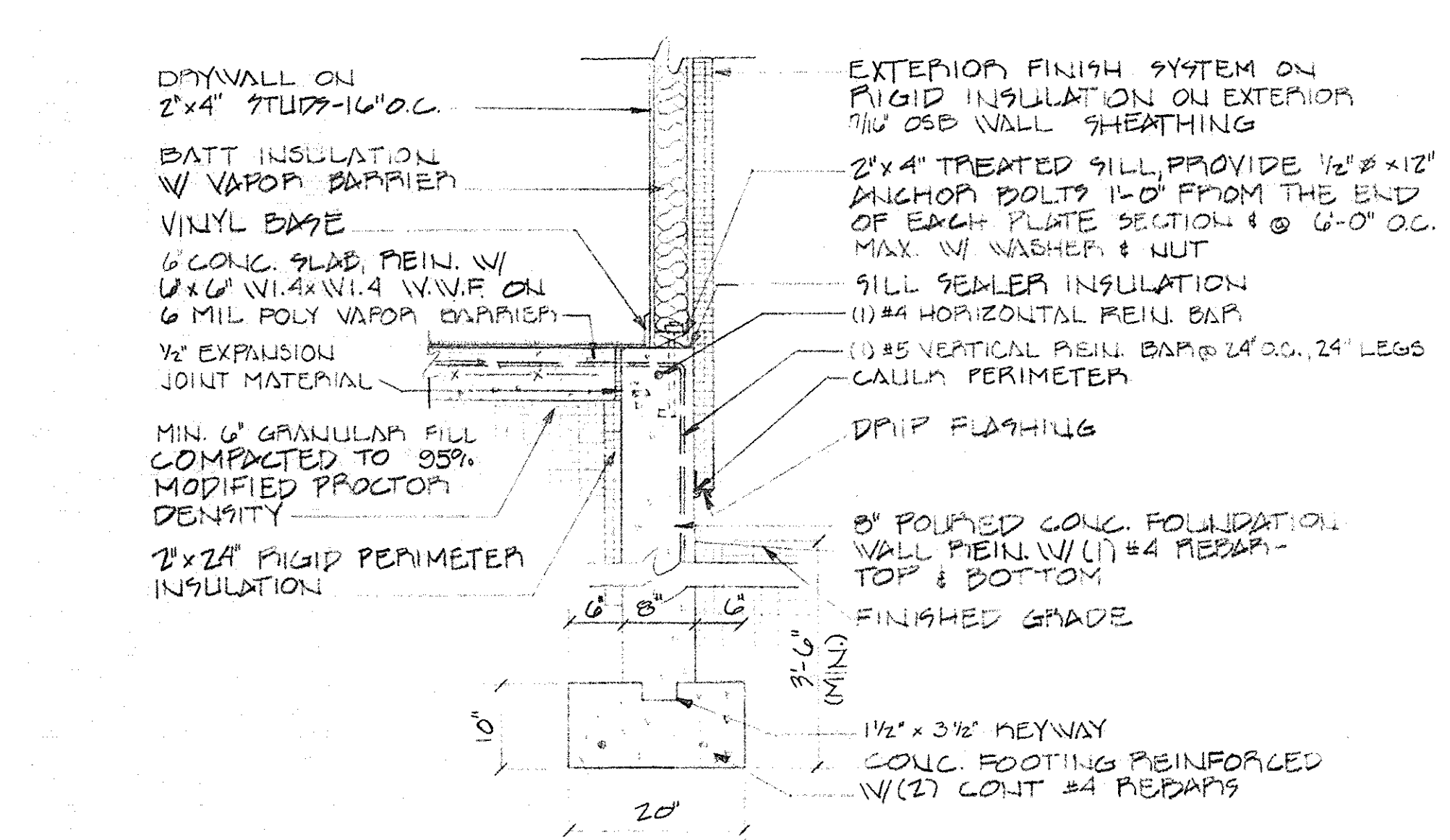
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DATE:		
WIGHTMAN & ASSOCIATES, INC.		
920 BROAD STREET ST. JOSEPH, MICHIGAN		
BUILDING SECTIONS AND DETAILS		DRAWING NUMBER X-3279-6

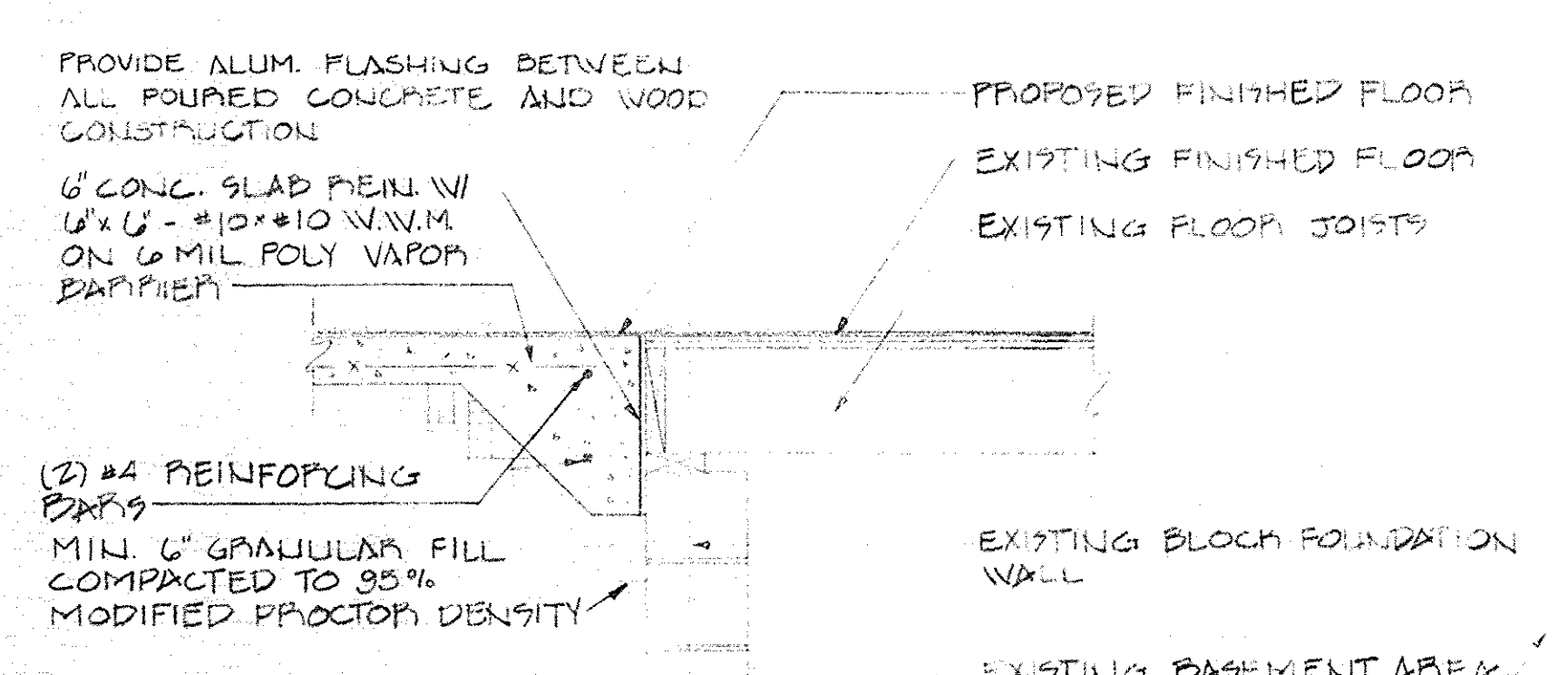


CONC. FOOTING DETAIL
SCALE: 1/2" = 1'-0"

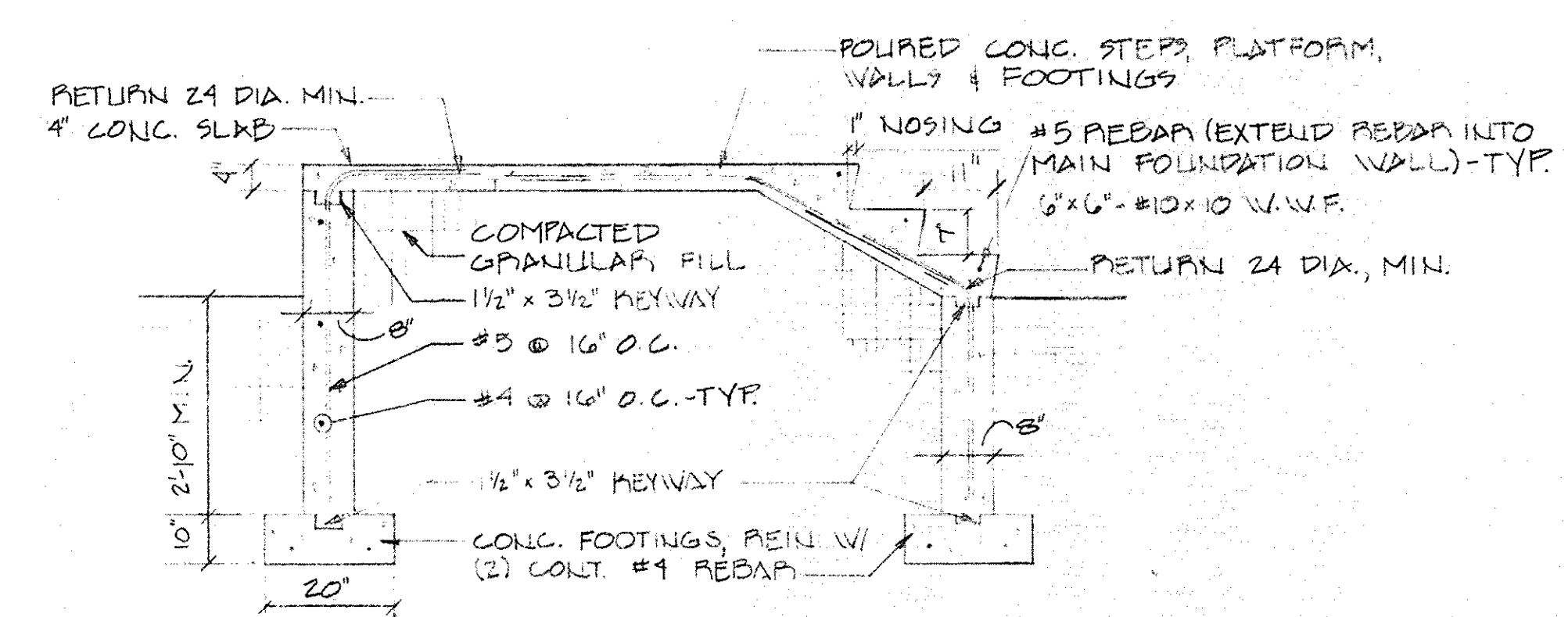
THICKENED SLAB DETAIL
SCALE: 1/2" = 1'-0"



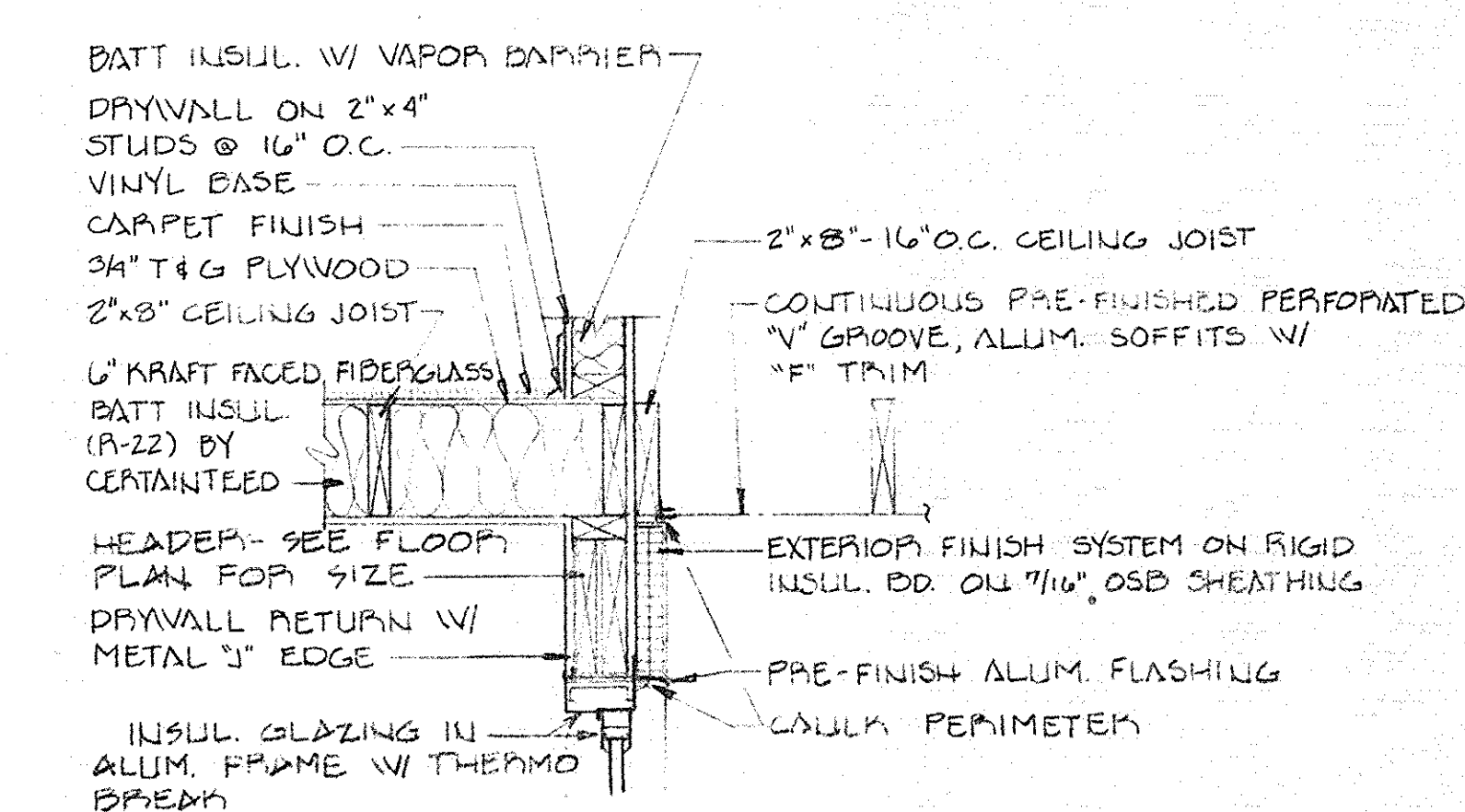
FOOTING DETAIL
SCALE: 3/4" = 1'-0"



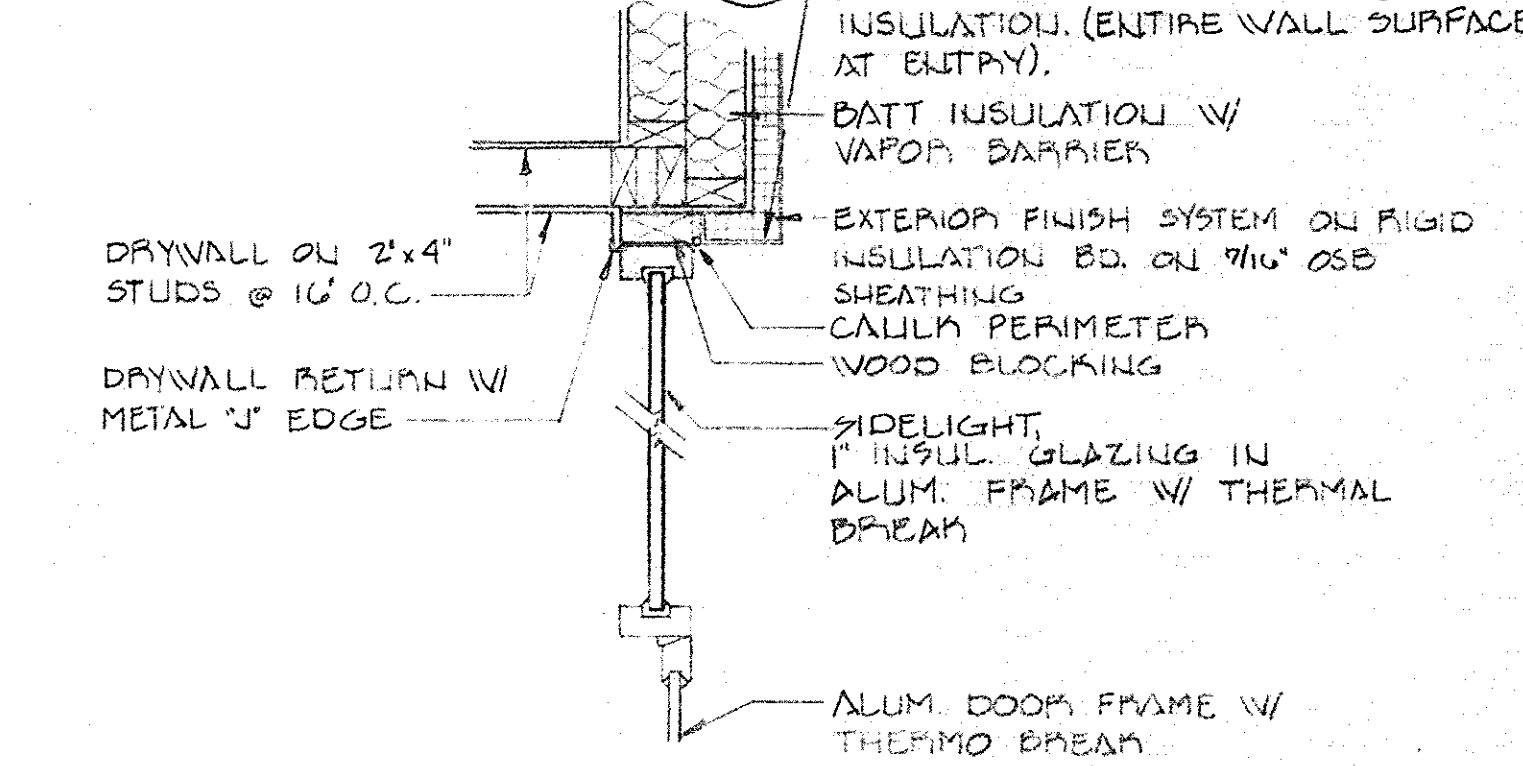
SECTION DETAIL
SCALE: 3/4" = 1'-0"



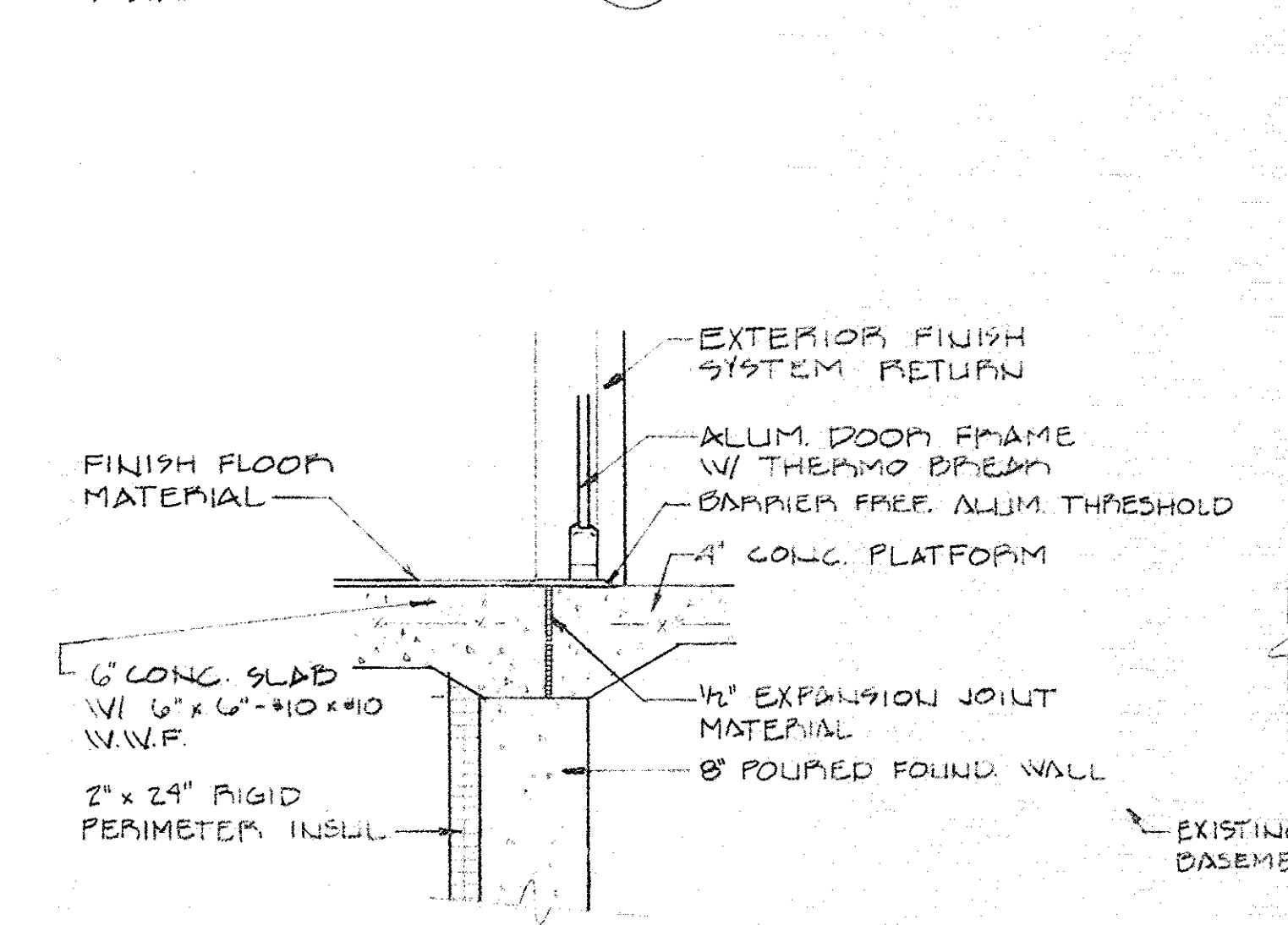
EXTERIOR STAIR SECTION
SCALE: 1/2" = 1'-0"



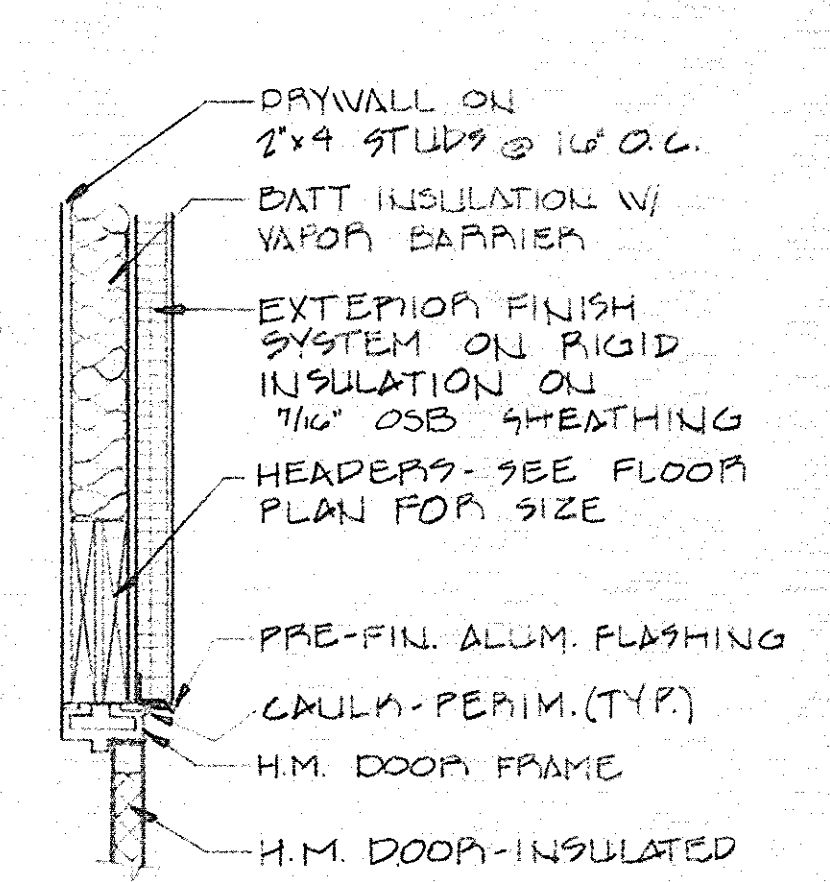
DOOR HEAD
SCALE: 1" = 1'-0"



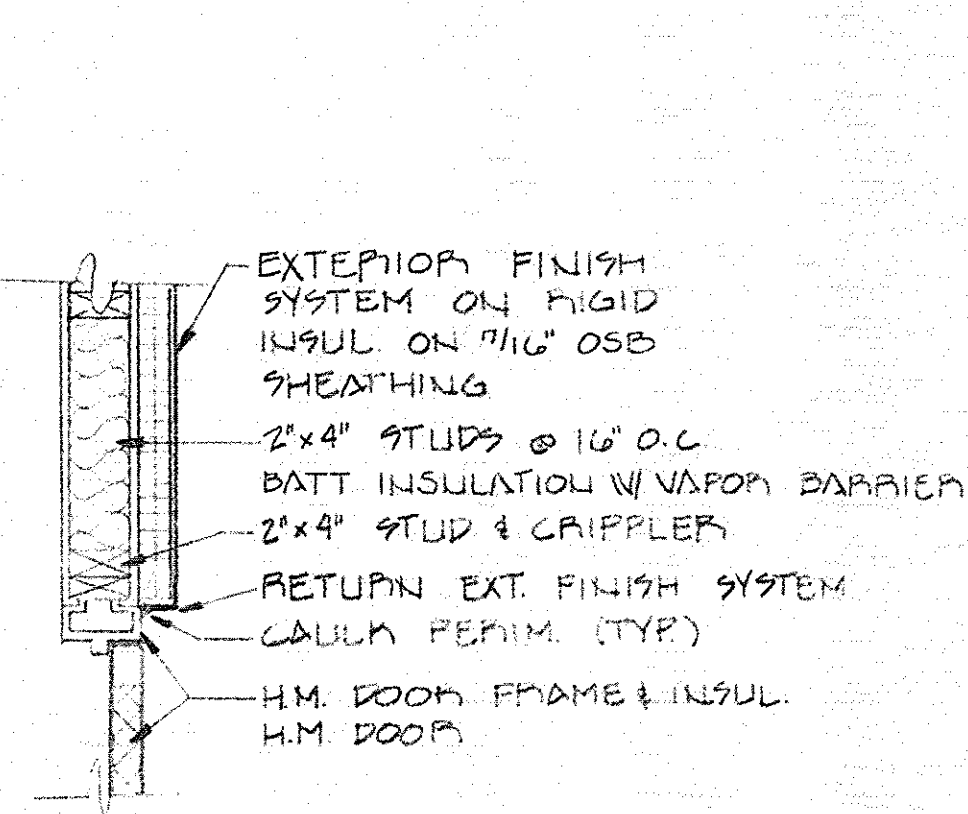
DOOR JAMB
SCALE: 1" = 1'-0"



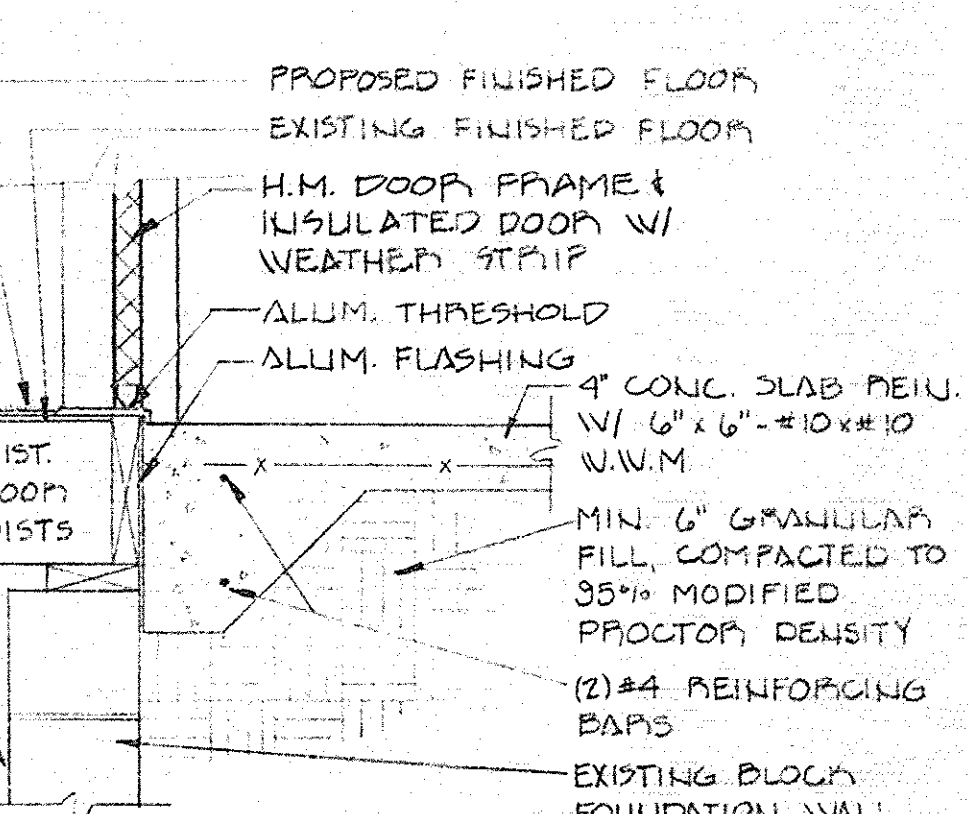
DOOR SILL
SCALE: 1" = 1'-0"



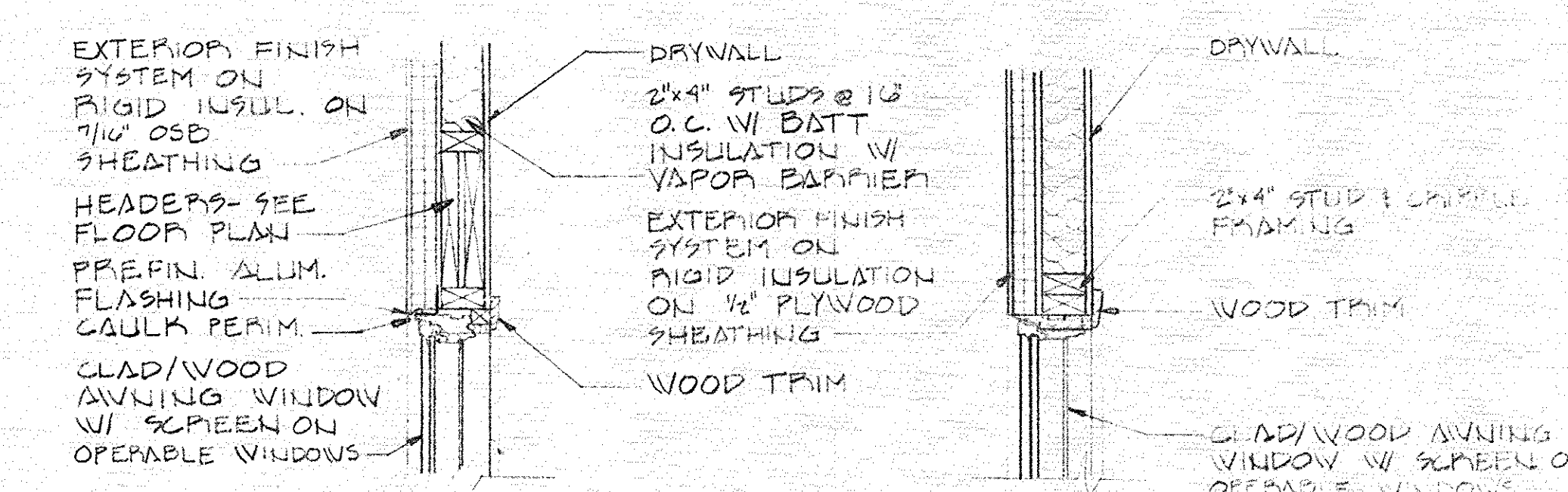
DOOR HEAD
SCALE: 1" = 1'-0"



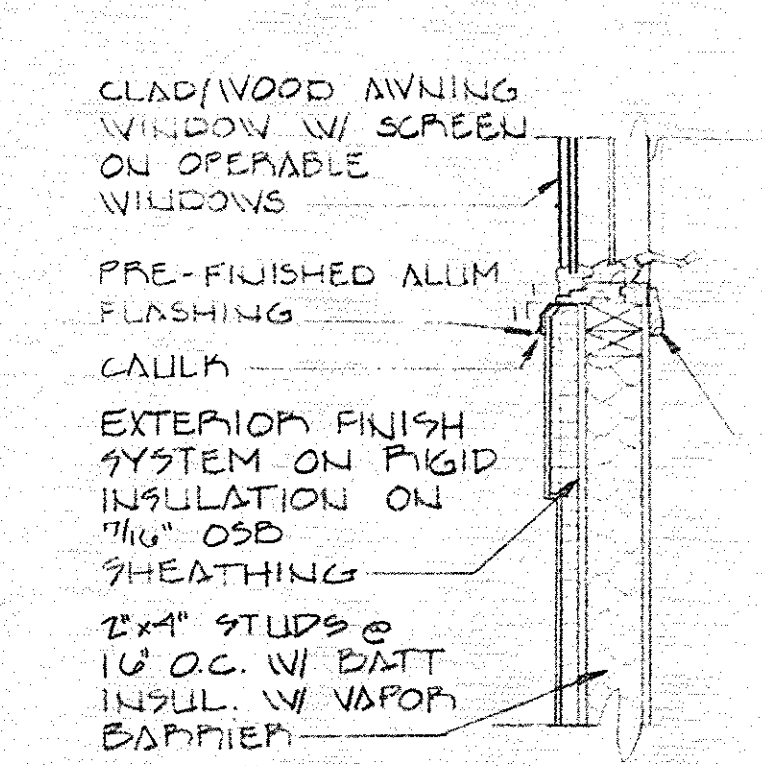
DOOR JAMB
SCALE: 1" = 1'-0"



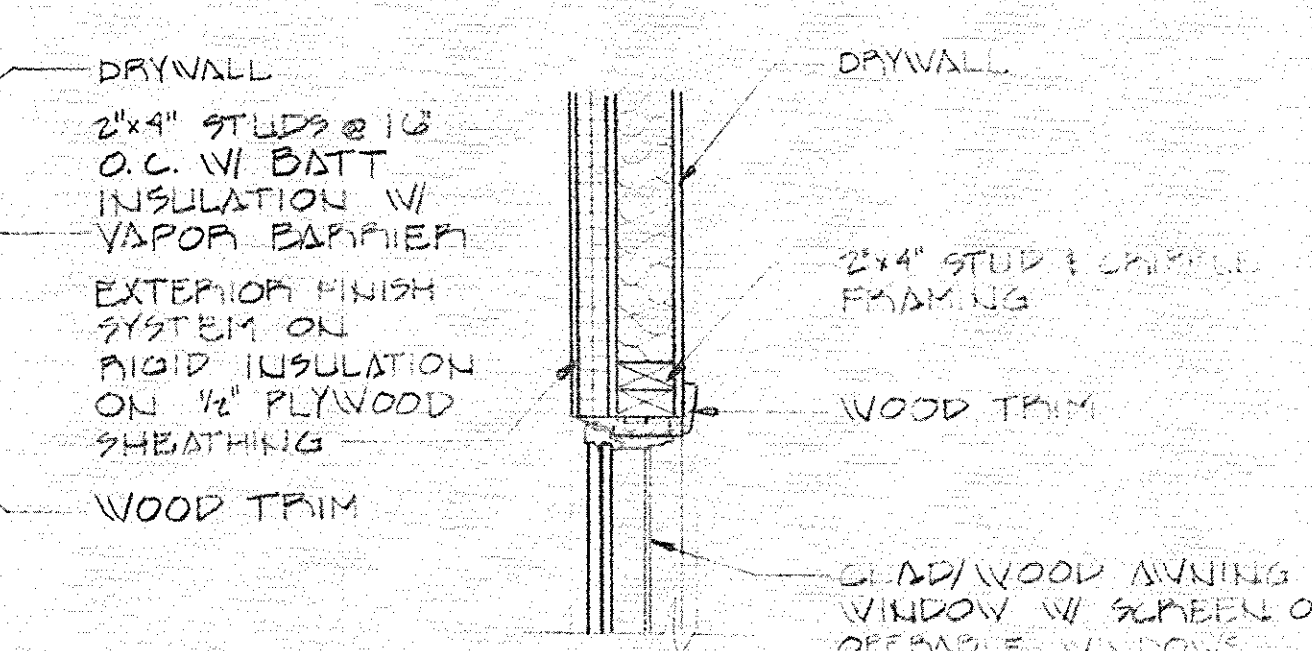
DOOR SILL
SCALE: 1" = 1'-0"



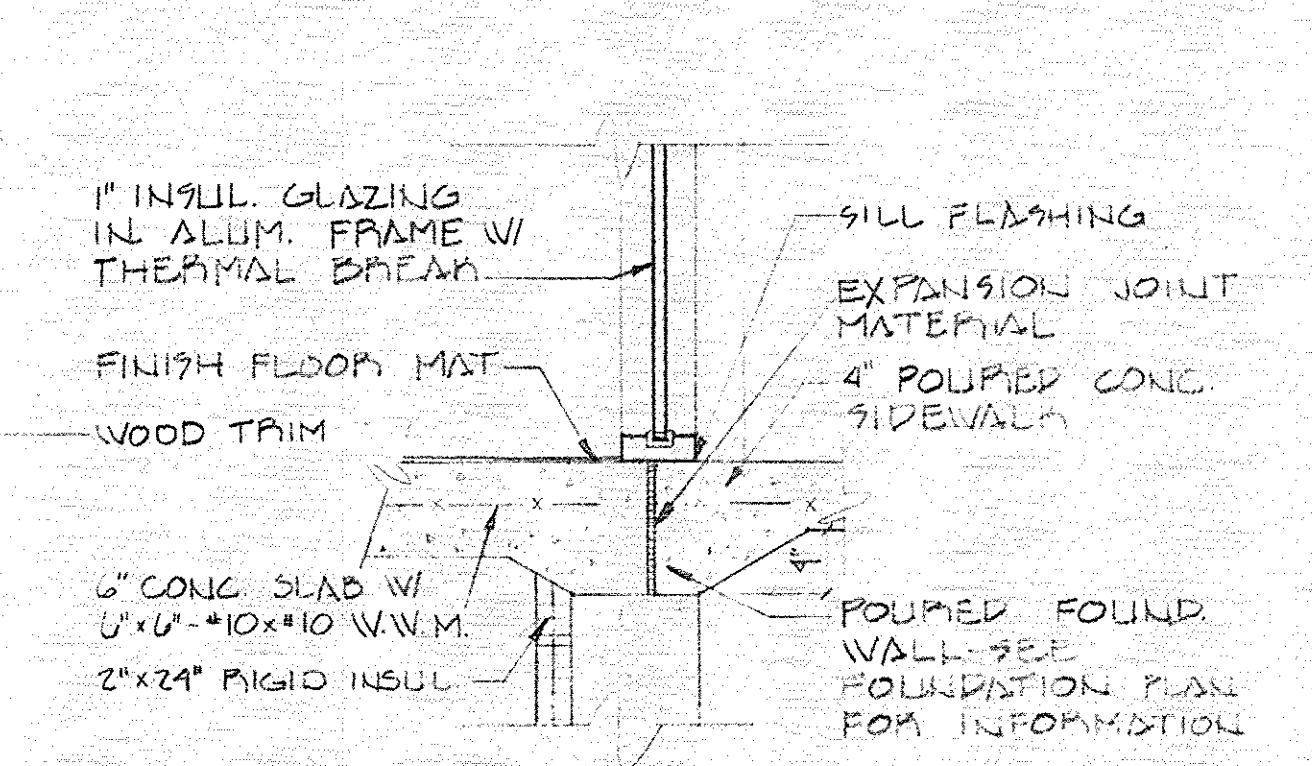
WINDOW HEAD DETAIL
SCALE: 1" = 1'-0"



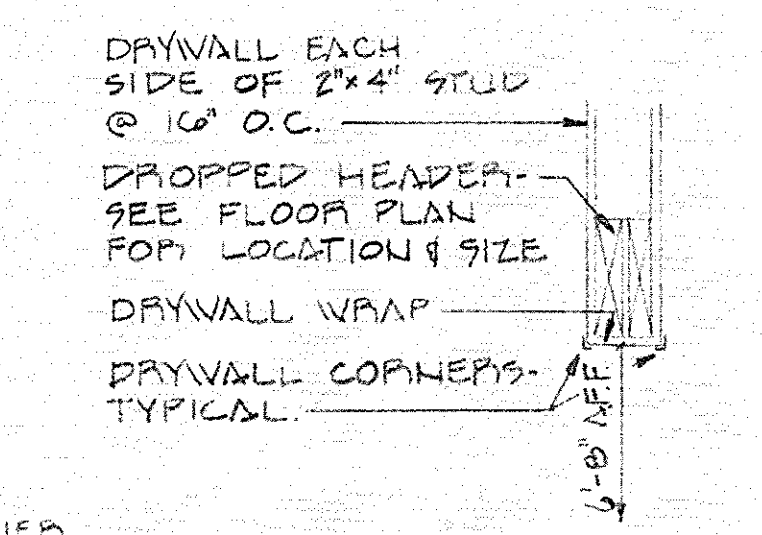
WINDOW SILL DETAIL
SCALE: 1" = 1'-0"



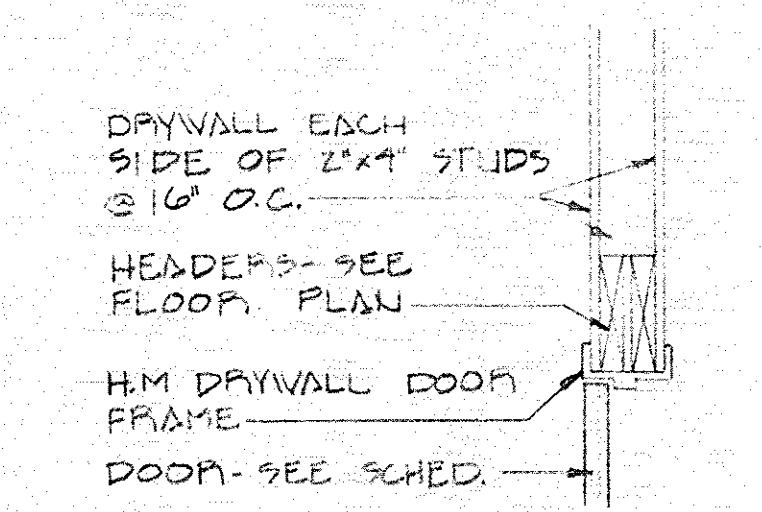
WINDOW JAMB DETAIL
SCALE: 1" = 1'-0"



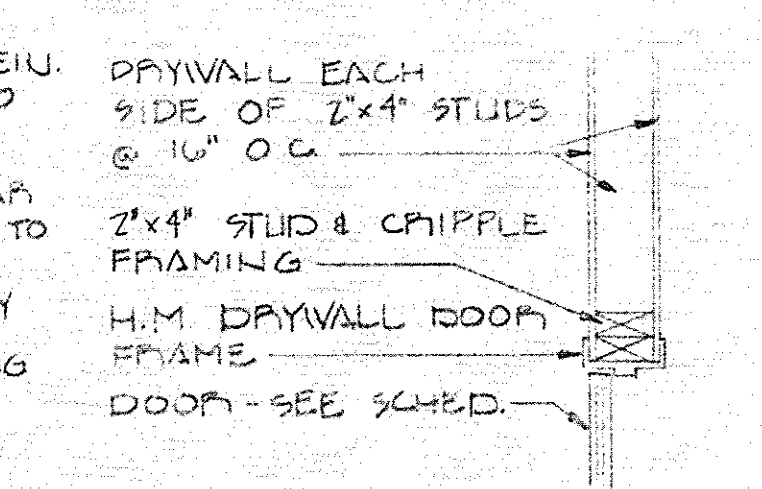
WINDOW SILL DETAIL
SCALE: 1" = 1'-0"



WINDOW HEAD DETAIL
SCALE: 1" = 1'-0"



WINDOW JAMB DETAIL
SCALE: 1" = 1'-0"

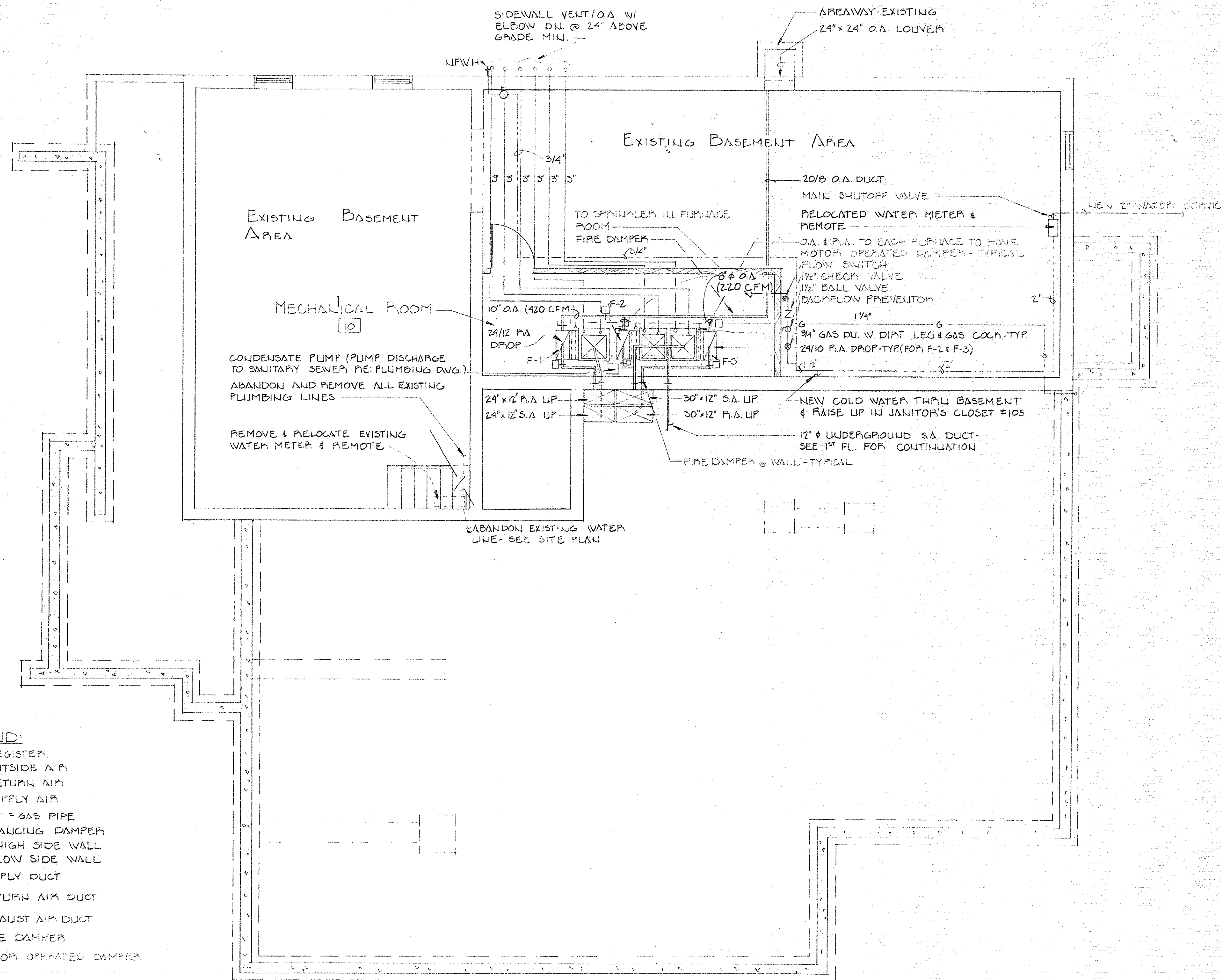


WINDOW SILL DETAIL
SCALE: 1" = 1'-0"

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CHURCH STREET, EDWARDSBURG, MICHIGAN

SCALE: AS NOTED	APPROVED BY	DRAWN BY DLG
DATE		
WIGHTMAN & ASSOCIATES, INC. 920 BROAD STREET ST. JOSEPH, MICHIGAN		DRAWING NUMBER X-3279-7
DETAILS		



LEGEND:
 R.G. = REGISTER
 O.A. = OUTSIDE AIR
 P.A. = RETURN AIR
 S.A. = SUPPLY AIR
 G = GAS PIPE
 J = BALANCING DAMPER
 H.S.W. = HIGH SIDE WALL
 L.S.W. = LOW SIDE WALL
 □ = SUPPLY DUCT
 □ = RETURN AIR DUCT
 □ = EXHAUST AIR DUCT
 + = FIRE DAMPER
 □ = MOTOR OPERATED DAMPER

HVAC & PLUMBING - BASEMENT
 SCALE: 1/4" = 1'-0"
 N

SPRINKLER NOTES

1. THE FIRE PROTECTION SYSTEM (SPRINKLERS) FOR MECHANICAL ROOM 10 SHALL CONFORM TO NFPA 13 SPECIFICATIONS.
2. THE SPRINKLER CONTRACTOR SHALL INSTALL A WET PIPE SPRINKLER SYSTEM IN MECHANICAL ROOM 10.
3. SPRINKLER CONTRACTOR SHALL INCLUDE ALL ELECTRICAL WIRING REQUIRED FROM MAIN PANEL TO ALL FLOW SWITCHES, ALARMS, ETC. AS MAY BE REQUIRED BY GOVERNING RULES AND REGULATIONS.
4. SPRINKLER CONTRACTOR SHALL PROVIDE ALL ADDITIONAL DRAWINGS, SPECIFICATIONS AND CALCULATIONS AS MAY BE REQUIRED BY GOVERNING RULES AND REGULATIONS. ALL WORK SHALL BE DESIGNED, SEALED, AND SIGNED BY A REGISTERED ENGINEER.
5. SPRINKLER CONTRACTOR SHALL OBTAIN AND PAY FOR ALL STATE AND LOCAL PERMITS REQUIRED FOR HIS WORK, AND SCHEDULE ANY INSPECTIONS REQUIRED BY GOVERNING RULES AND REGULATIONS.
6. SPRINKLER CONTRACTOR SHALL COORDINATE TESTING WITH GENERAL CONTRACTOR.
7. SEE SPECIFICATIONS FOR FURTHER INFORMATION AND QUALIFICATIONS.

PUMP SCHEDULE									
LOCATION	TYPE	DUTY	CAPACITY		H.P.	VOLTAGE	RPM	BASE MF'G	CATALOG NO.
			GPM	HEAD FT.					
Mechanical Rm.		Condensate	.42	15	1/30	115/1/60		Little Giant	#VCM-20UL

FURNACE SCHEDULE									
NO.	MBH INPUT	MBH OUTPUT	FUEL	C.F.M.	S.P.	H.P.	VOLTAGE	MFG. & CATALOG NO.	
F-1	100	92	N. Gas	1759	.5	3/4	115/1/60	Trane #TUX100C960A	
F-2	100	92	N. Gas	1523	.5	3/4	115/1/60	Trane #TUX100C948A	
F-3	100	92	N. Gas	1523	.5	3/4	115/1/60	Trane #TUX100C948A	

Provide programmable thermostat for F-1.

Provide twinning kit for F-2, 3 and 2-stage heating and cooling programmable thermostat.

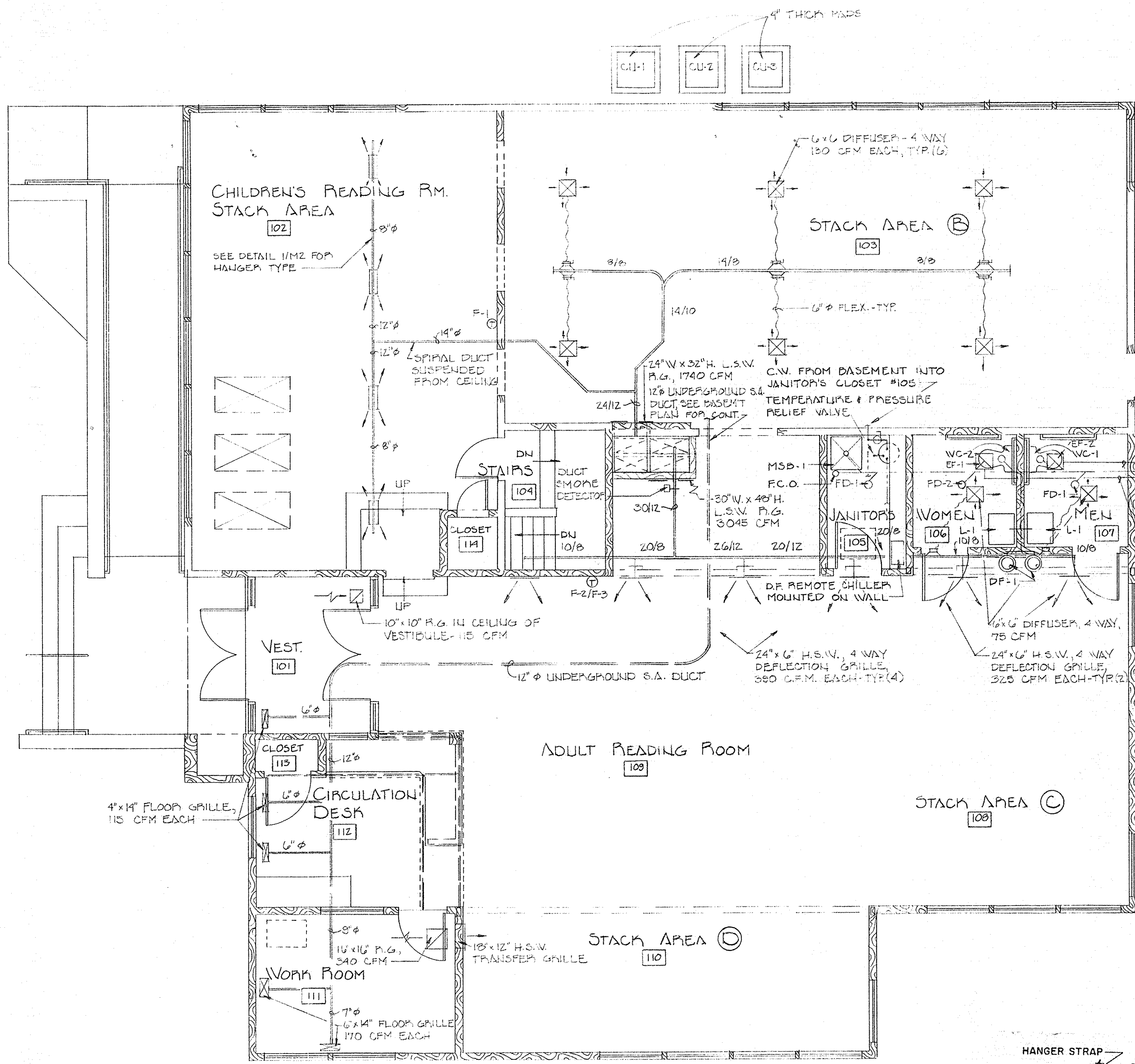
Provide each furnace with side filter rack and cooling coil matched to condensing unit.

CONDENSING UNIT SCHEDULE							
UNIT NO.	COOLING CAP @ 95 AMBIENT	S.E.E.R.	E.E.R.	SUCTION TEMP.	COMPRESSOR	MOTOR COND. FAN	REMARKS
CU-1	60.000	10.25	----	----	1 - 208/230/1/60 29.1 amp	1 - 208/230/1/60 1/4 H.P.	Trane #TTR060C100A
CU-2	46.000	10.0	----	----	1 - 208/230/1/60 24.0 amp	1 - 208/230/1/60 1/5 H.P.	Trane #TTR048C100A
CU-3	46.000	10.0	----	----	1 - 208/230/1/60 24.0 amp	1 - 208/230/1/60 1/5 H.P.	Trane #TTR048C100A

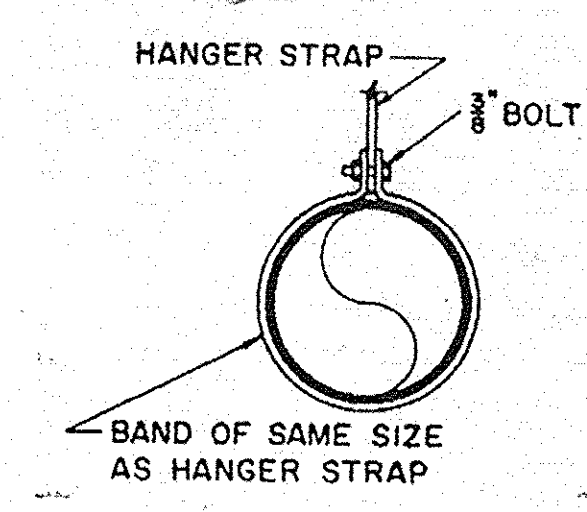
LEI LUMA ENGINEERS, INC.
 1317 WISWAKA AVE. SOUTH BEND, INDIANA 46615 (219) 234-3182

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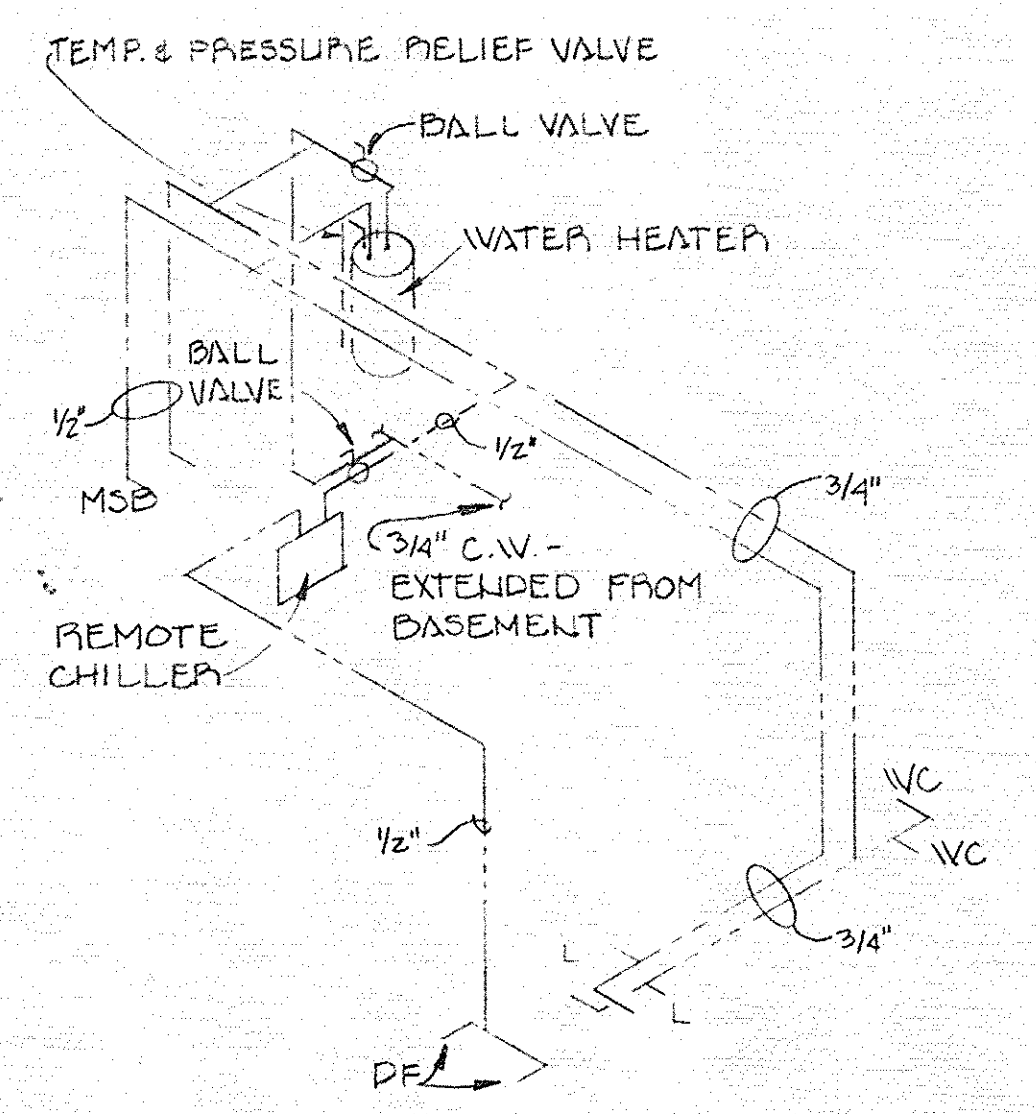
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WIGHTMAN & ASSOCIATES, INC.
 920 BROAD STREET ST. JOSEPH, MICHIGAN
 MECHANICAL & PLUMBING DRAWING NUMBER: X-3279-M1



HVAC & PLUMBING PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"



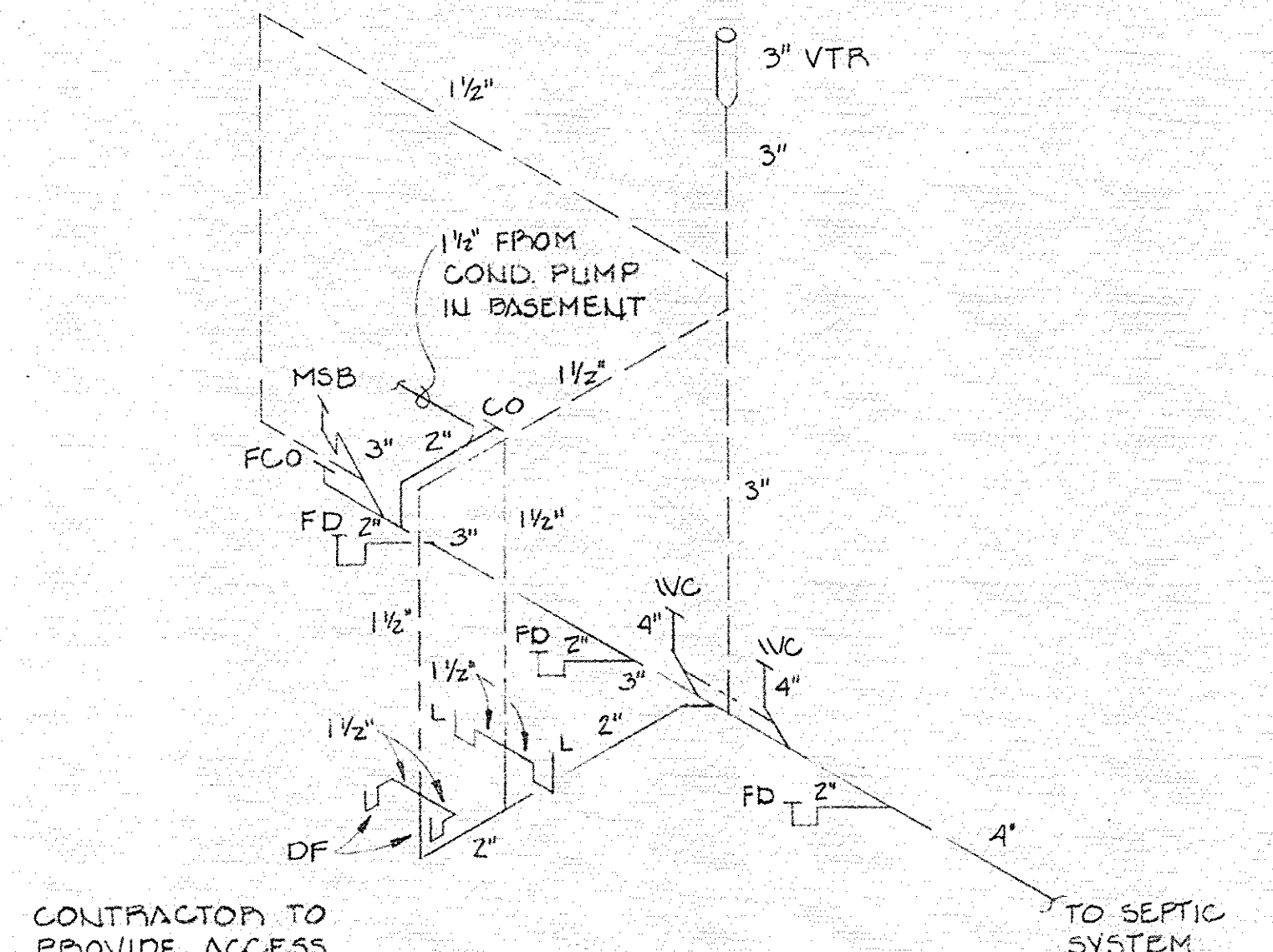
Spiral Duct Hanger Detail
SCALE: NONE



Cold & Hot Water Piser Diagram
NOT TO SCALE

PLUMBING KEY:

---	SANITARY SEWER
---	COLD WATER
---	HOT WATER
---	VENT
VC	WATER CLOSET
L	LAVATORY
FD	FLOOR DRAIN
MSB	MOP SERVICE BASIN
Ø	BALL VALVE
DF	DRINKING FOUNTAIN
NFVH	NON-FREEZE WALL HYDRANT



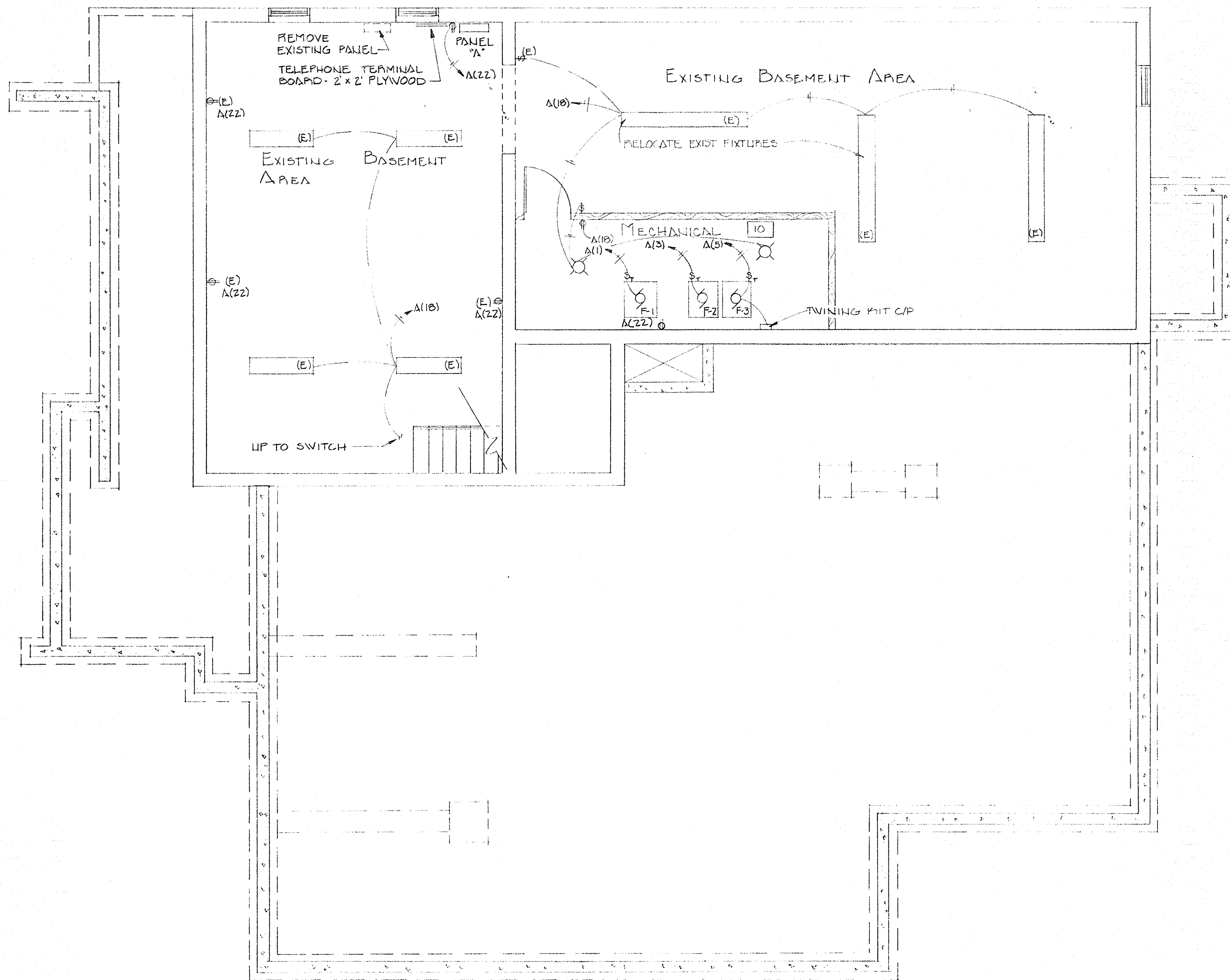
Waste & Vent Piping Riser Diagram
NOT TO SCALE

EXHAUST FAN SCHEDULE										
SYM.	LOCATION	C.F.M.	S.P.	RPM.	H.P.	VOLTAGE	DRIVE	TYPE	MFG. & CAT. NO.	REMARKS
EF-1	Women #106	90	1/8"	1050	50 Watt	115/1/60	Direct	Ceiling	Penn. Z-6	with time delay lighting switch #AM-12; wall cap #WC-10
EF-2	Men #107	90	1/8"	1050	50 Watt	115/1/60	Direct	Ceiling	Penn. Z-6	with time delay lighting switch #AM-12; wall cap #WC-10

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MECHANICAL & PLUMBING		DRAWING NUMBER X-3279-M2

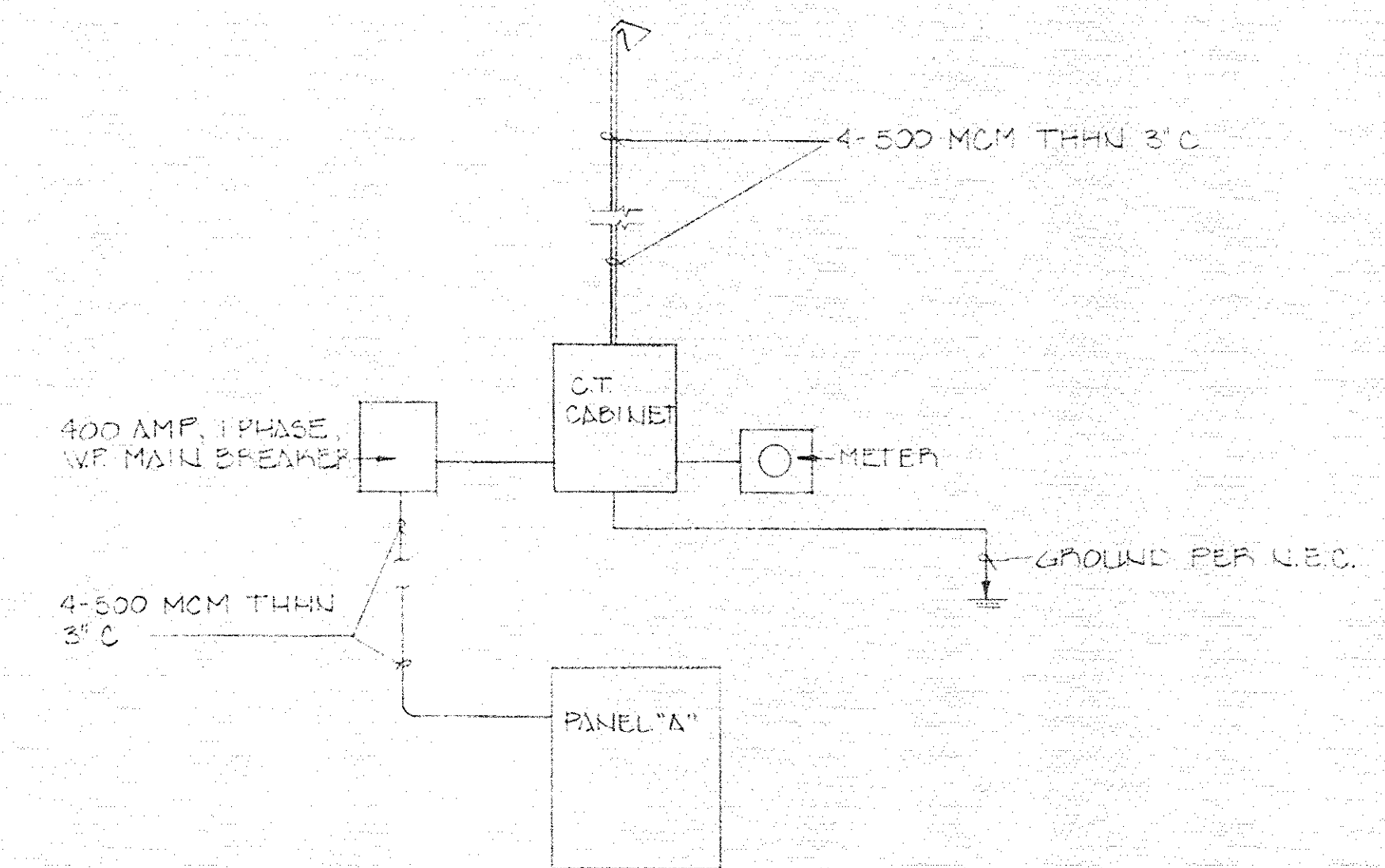


ELECTRICAL SYMBOLS LEGEND			
	SURFACE-MOUNTED 120/208V. OR 120/240V. PANEL BOARD		THERMOSTAT
	FUSED SAFETY SWITCH		EXIT LIGHT, SINGLE FACED
	MOTOR (1/4, 3/8, DC, etc.)		1'x4' FLUORESCENT LIGHT FIXTURE
	DUPLEX RECEPTACLE		1'x8' FLUORESCENT LIGHT FIXTURE
	WEATHER-PROOF DUPLEX RECEPTACLE		2'x4' FLUORESCENT LIGHT FIXTURE
	GROUND-FAULT CIRCUIT INTERRUPTER RECEPTACLE MOUNTED ABOVE COUNTER, BELOW MIRROR, etc.		RECESSED DOWN LIGHT
	WALL-MOUNTED COMPUTER/TELEPHONE OUTLET		SURFACE-MOUNTED LIGHT
	1 POLE TOGGLE SWITCH		RACEWAY CONCEALED IN CEILING OR WALL
	1 POLE FRACTIONAL HP MANUAL MOTOR STARTER		DENOTES EXISTING

PANEL A 120/240 VOLT, 1 PHASE 3 WIRE 400 AMP MAIN LUG : 400 AMP BUS
FED FROM: DISC. SW.
WITH 4-500 MCM

LOCATION: EXISTING BASEMENT AREA MOUNTING: SURFACE

CIRCUIT No.	VA LOAD		LOAD DESCRIPTION	OUTLETS		BUS	DISC.		OUTLETS		VA LOAD		CIRCUIT No.
	LINE A	LINE B		SW	RECP		SW	RECP	LINE A	LINE B			
1	1656		FURNACE F-1 3/4 HP	X	1	20			X		1500	1770	2
3	1656		FURNACE F-2 3/4 HP	X	1	20			X		1770	1770	4
5	1656		FURNACE F-3 3/4 HP	X	1	20			X		1770	1770	6
7	3350		COND. UNIT CU-1	X	2	50			X		1500	1245	8
9	3350		COND. UNIT CU-2	X	2	50			X		1500	1245	10
11	2760		COND. UNIT CU-3	X	2	50			X		920	700	12
13	2760		COND. UNIT CU-3	X	2	50			X		920	700	14
15	2760		COND. UNIT CU-3	X	2	50			X		920	700	16
17	2760		COND. UNIT CU-3	X	2	50			X		920	700	18
19	900		RM. 109	X	1	20			X		900	360	20
21	540		RM. 105, 106, & 107	X	1	20			X		900	360	22
23	1080		RM. 109	X	1	20			X		720	720	24
25	720		RM. 111 & 112	X	1	20			X		720	720	26
27	180		EXTERIOR RECP.	X	1	20			X		180	180	28
29			SPARE						X				30
31			SPARE						X				32
33			SPARE						X				34
35			SPARE						X				36
37			SPARE						X				38
39			SPARE						X				40
41			SPARE						X				42
SUB TOTALS											8310	6495	
NOTES:											LINE TOTALS		21752 (10, 18)
CIRCUITS 4, 6, & 8 SERVING FIXTURE "HF" CONTROLLED BY 3 POLE CONTACTOR. SD. D CLASS 8903 NEMA TYPE LX.											L.S. AMPS		
											TOTAL VA/S		
											LINE AMPS		
											TOTAL KVA LOAD		



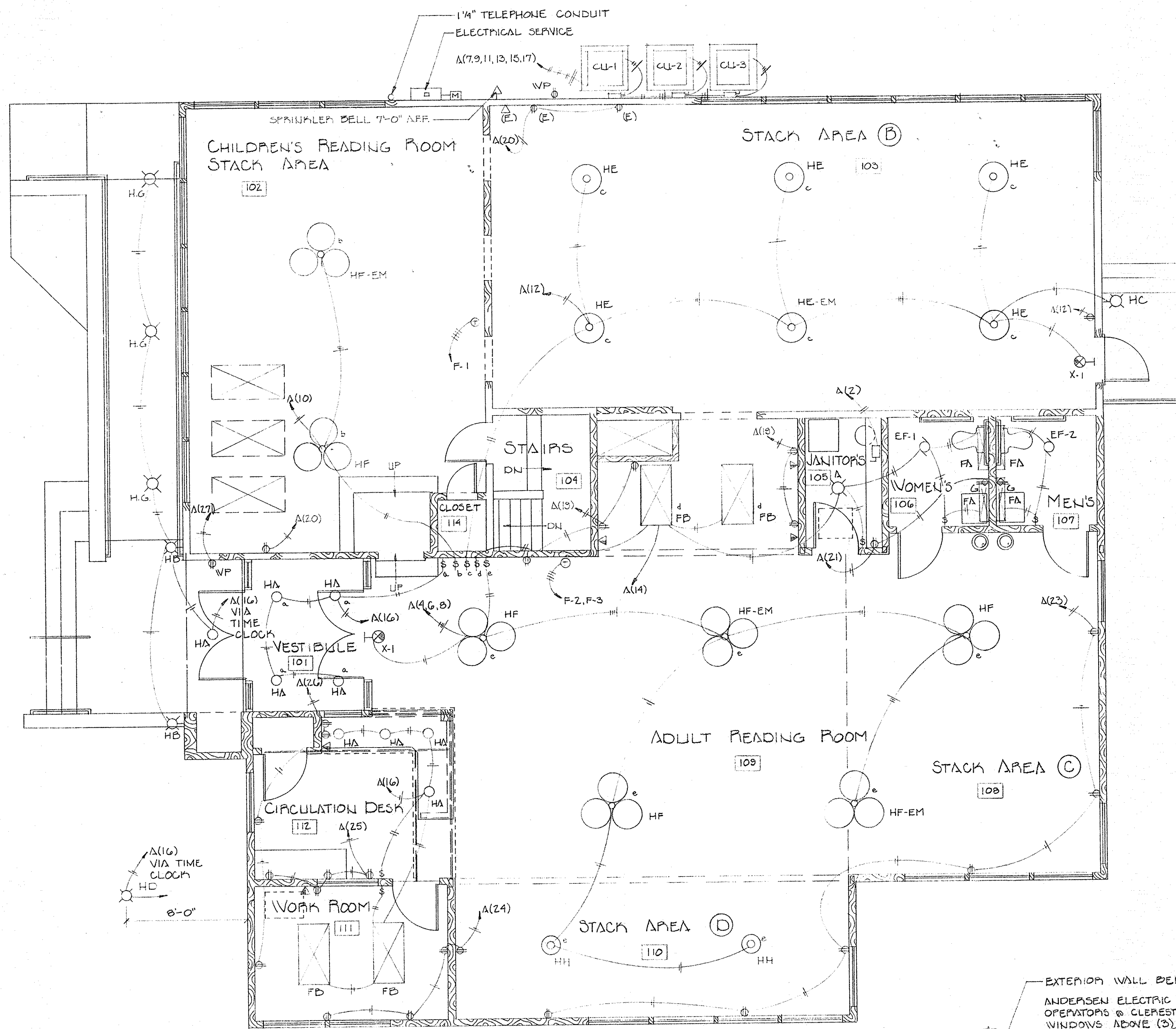
ONE LINE DIAGRAM
40 SCALE
120/240V, 1 PHASE, 3 WIRE, 400 AMP

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

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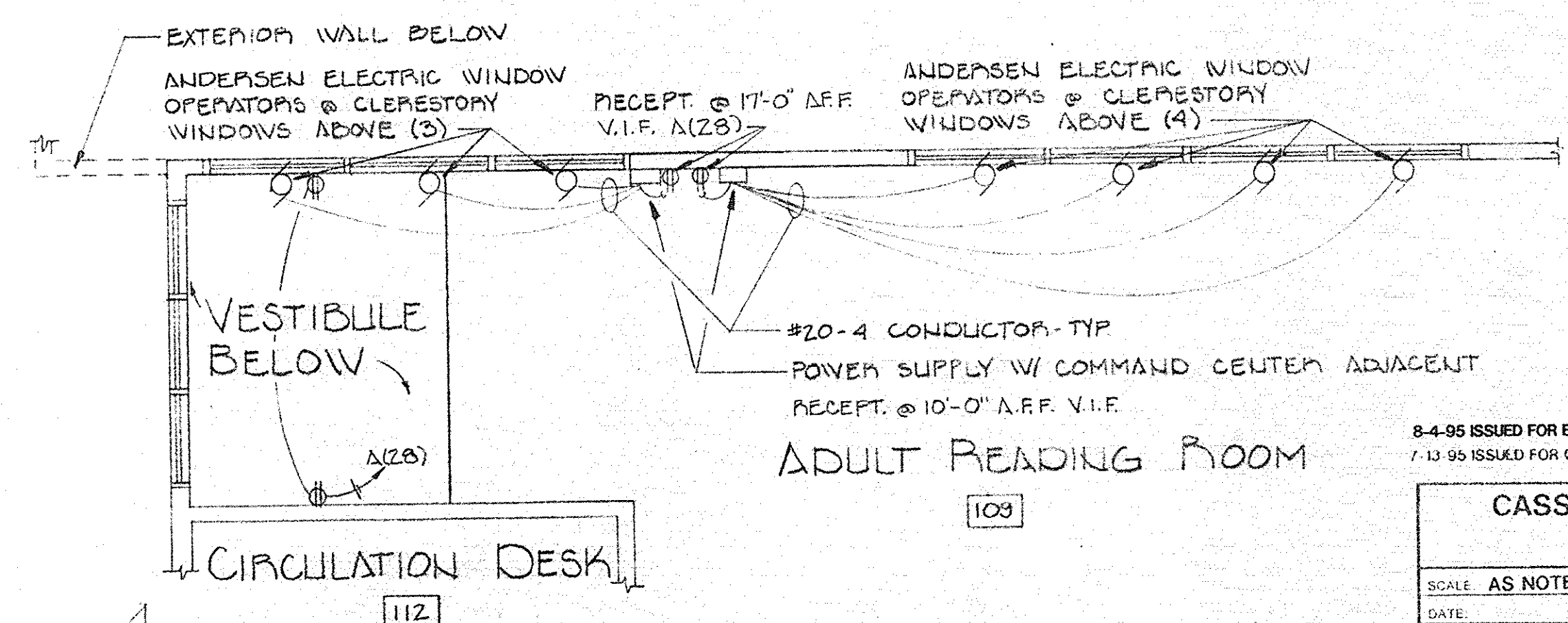
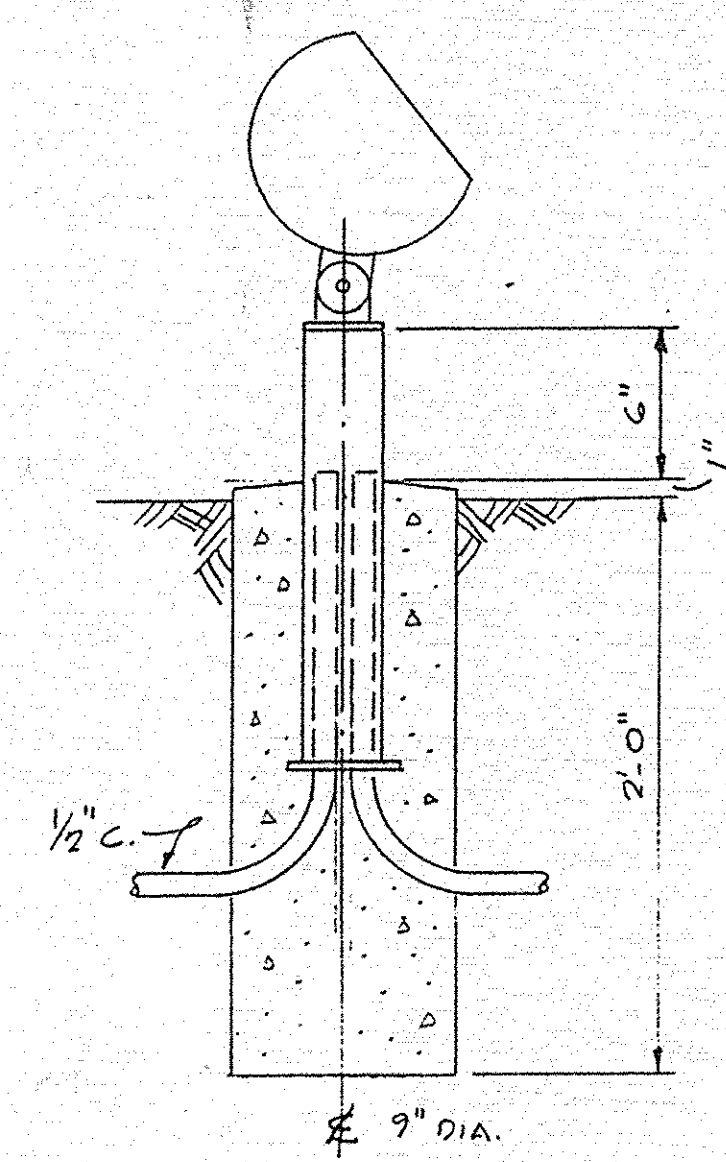
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ELECTRICAL		DRAWING NUMBER X-3279-E1



N ELECTRICAL-FIRST FLOOR
SCALE: 1/4" = 1'-0"

FIXTURE SCHEDULE					
SYMBOL	MANUFACTURER	LAMPS	TYPE	MOUNTING	REMARKS
HA	HALO #M700-7405-1773	1	70 W. Metal Halide	Recessed	White Trim - Fresnel Lens
HB	Lumilite #YRN-2-100MH-810H-B22	2	70 W. Metal Halide	Wall @ 7'-0" AFF	Custom Color
HC	Lumark #MHGS-70H-MT-LL	1	70 W. Metal Halide	Wall @ 8'-0" AFF	with Photocell Custom Color
HD	Lumark #MHBFG-70MH-MT-MEO-LL	1	70 W. Metal Halide	Grade	Custom Color
HE	SPI #SFTCM1301-M4100/MBD	1	100 W. Metal Halide	Ceiling	Brass Trim
HE-EM					Same as "HE" with EM Quartz
HF	SPI #SPT-TC-1501-MH250-HOR-LAMP	3	250 W. Metal Halide	Pendant 9'-0" AFF	Ceiling Height Varies Brass Trim, Painted Pendant
HF-EM					Same as "HF" with 1-EM Quartz
HG	HALOM70117/740/63811/C	1	100 W. Metal Halide	Recessed in Soffit	Wall Wash with Reverse Lens to Cover Ramp
HH	SPI #SPT-0301-MH100-HOR-LAMP	1	100 W. Metal Halide	Pendant 9'-0" AFF	Ceiling Height Varies, Brass Trim, Painted Pendant
FA	ALKCO #630	1	F25T8SP41	Wall @ 6'-6" Fin. Fl. to Bot. Fix. Verify Mirror Ht.	Wall Bracket
FB	Metalux #2M440A125-120-EBB2	4	F32T8SP41	Ceiling	2 x 4 Surface
A	Leviton #9825	1	100 W. A-19	Ceiling	Porcelain Receptacle
X-1	Surelite #PCC-5200-R	2	5 W Fluorescent 3.6 W. DC Lamps	Wall @ 8'-0" AFF	



N ELECTRICAL-CLERESTORY PLAN
SCALE: 1/4" = 1'-0"

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