No. 504361

30 00

to

Office of ~~Register of Deeds~~,
State of Minnesota
Count of Olmsted } ss.

I hereby certify that the within ins't. was filed in this office, for record on the 20 day of May A.D., 1986, at 10 o'clock A. M., and was duly recorded in Book V-4 of Misc on page 496-502

LOIS FINSTUEN

~~Register of Deeds~~

Carole M. Ferries
Deputy

Proofed .....
Grantor .....
Grantee .....
Tracted .....
Pd. .....
Chg. ✓
Mtg. Tax .....
Rev. Stamp .....

Deliver to .....

Address MSRA

No. 426954

10 00

to

Office of ~~Register of Deeds~~,
State of Minnesota
Count of Olmsted } ss.

I hereby certify that the within ins't. was filed in this office, for record on the 31 day of July A.D., 1980, at 2½ o'clock P. M., and was duly recorded in Book J-4 of Misc on page 895

LOIS FINSTUEN
COUNTY RECORDER

~~Register of Deeds~~

Carole M. Bahe
Deputy

Proofed .....
Grantor ✓
Grantee .....
Tracted .....
Pd. .....
Chg. ✓
Mtg. Tax .....
Rev. Stamp .....

Deliver to .....

Address Retain
R. Petersen

U4915

VERIFIED STATEMENT

The undersigned, being a registered architect, does hereby certify that the ~~attached~~ floor plans of Northridge Village II * recorded on July 31, 1980 in Book J-4, of Misc. Records on page 895 Condominiums, *fully and accurately depict the layout, location, apartment numbers and dimensions of the condominium apartments as built.

Dated: October 22, 1980

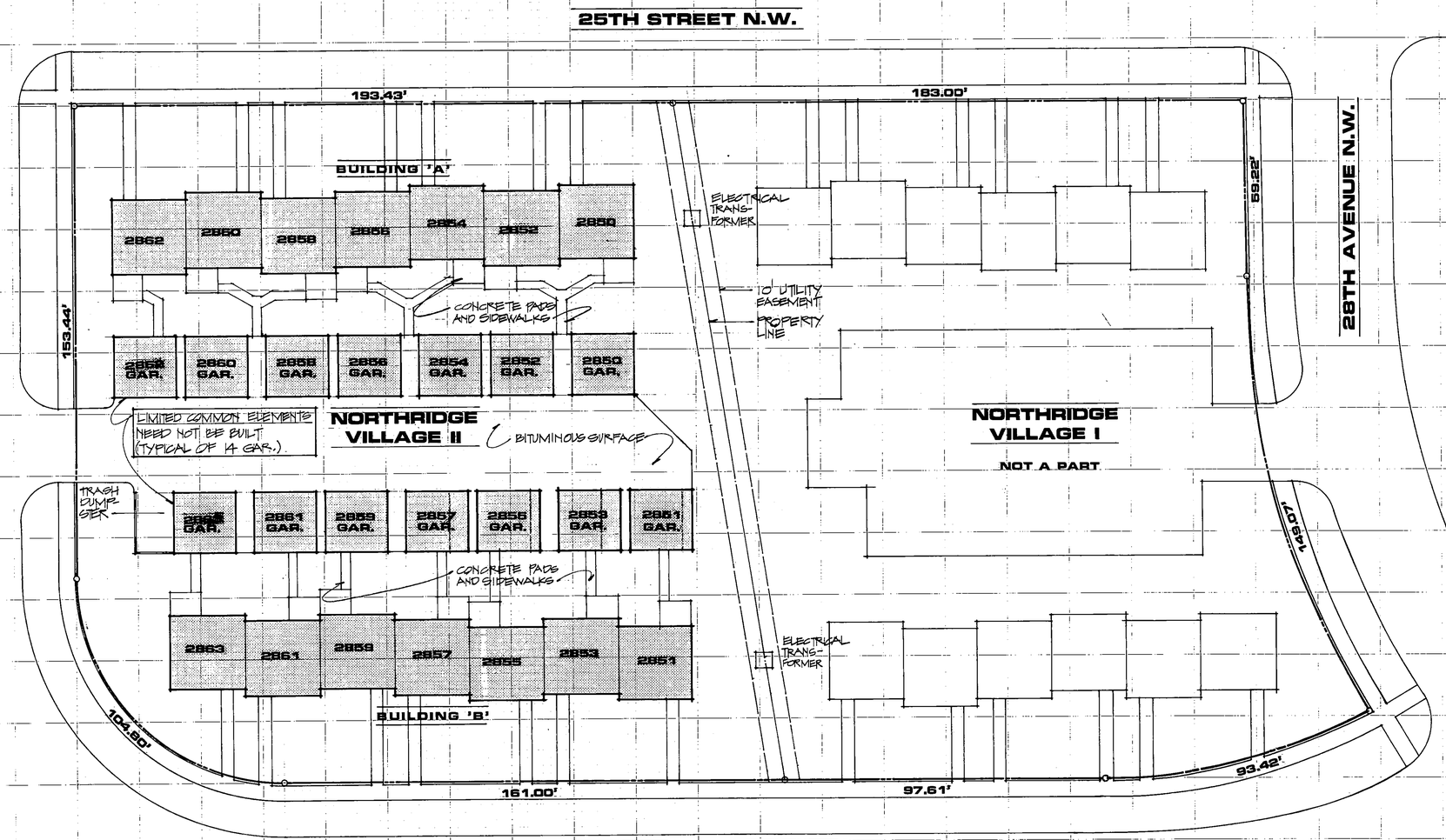
Daniel J. Stephens

Daniel J. Stephens
D J. Stephens AIA Architect
Rt. 2, Box 28
Warrens, Wis.546666
Minn. Registered Architect N

State of Minnesota)
) ss.
County of Olmsted)

On this 22nd day of October, 1980, before me, a Notary P within and for said County and State, personally appeared Dan Stephens to me known to be the same person described in and who e the foregoing instrument, and acknowledged that he executed the sa his free act and deed.

Roger E. Petersen, Notary Public
Olmsted County, Minnesota
My commission expires: 4/10/86



AMENDED SITE PLAN

1" = 20'-0"

I HEREBY CERTIFY THAT THE AMENDED FLOOR PLANS DATED MAY 9, 1986, CONSISTING OF THE AMENDED SITE PLAN AND THE VARIOUS VIEWS OF THE OPTIONAL GARAGES ACCURATELY DEPICT ALL INFORMATION REQUIRED BY M.S., SEC. 515A.2-110.

CHRISTOPHER W. COLBY, A.I.A.

MINNESOTA REGISTRATION #11883

9 MAY 1986

DATED MAY 9, 1986

CHRISTOPHER COLBY ARCHITECTS
507-281-3355
334 APACHE MALL
ROCHESTER
MINNESOTA
55902

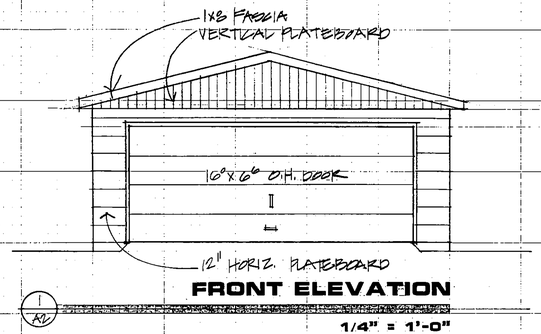
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE NUMBER

NORTHRIDGE VILLAGE III
CONDOMINIUMS
CONDOMINIUM #53
ROCHESTER, MINNESOTA

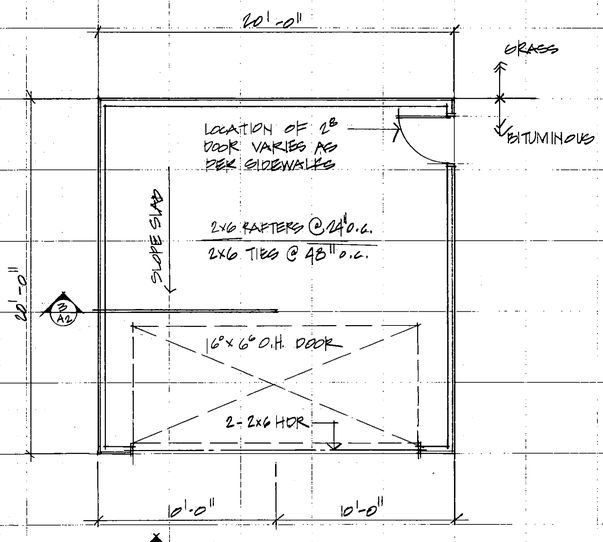
PROJECT NUMBER 84-67
DATE 3-5-85
DRAWN BY MAJ
REVISIONS

SHEET NUMBER
A1
OF TWO SHEETS



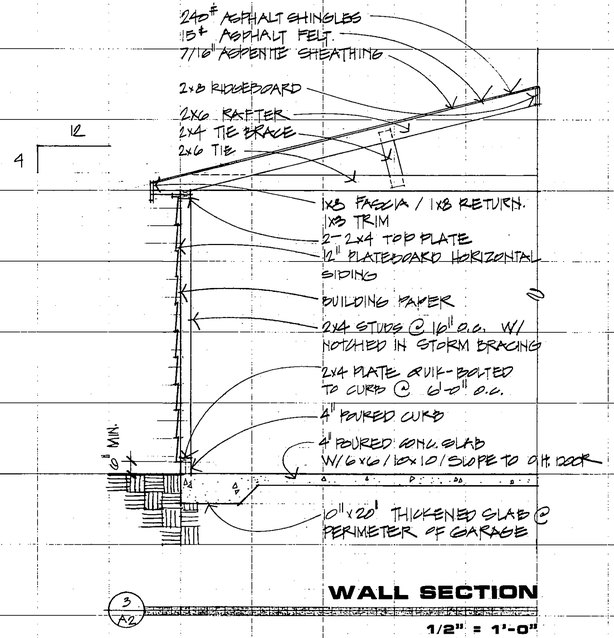
FRONT ELEVATION

1/4" = 1'-0"



FLOOR PLAN

1/4" = 1'-0"



WALL SECTION

1/2" = 1'-0"

LIMITED COMMON ELEMENTS

GENERAL NOTE:

EACH GARAGE SHALL BE PAINTED TO MATCH THE COLOR OF ITS RESPECTIVE TOWNHOME UNIT.

I HEREBY CERTIFY THAT THE AMENDED FLOOR PLANS DATED MAY 9, 1986, CONSISTING OF THE AMENDED SITE PLAN AND THE VARIOUS VIEWS OF THE OPTIONAL GARAGES ACCURATELY DEPICT ALL INFORMATION REQUIRED BY M.S., SEC. 515A.2-110.

Christopher W. Colby — 9 MAY 1986

CHRISTOPHER W. COLBY, A.I.A. — DATED MAY 9, 1986

MINNESOTA REGISTRATION #11883

CHRISTOPHER COLBY ARCHITECTS
507-281-3355
334 APACHE MALL
ROCHESTER
MINNESOTA
55902

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA

DATE NUMBER

NORTHRIDGE VILLAGE III
CONDOMINIUMS
CONDOMINIUM #53
ROCHESTER, MINNESOTA

PROJECT NUMBER 84-67
DATE 3-5-85
DRAWN BY MJ
REVISIONS

SHEET NUMBER A2

OF TWO SHEETS

NORTHRIDGE VILLAGE II

CONDOMINIUMS
ROCHESTER, MINNESOTA

for
DIVERSIFIED STRUCTURES, INC.
PO Box 6431
Rochester, MN. 55901

NORTHRIDGE VILLAGE II CONDOMINIUMS
PROPERTY DESCRIPTION WEST ROCHESTER OUTLOT A
OLMSTEAD VILLAGE ROCHESTER, MINNESOTA, ACCORDING
TO THE PLAT THEREOF ON FILE AND OF RECORD
IN THE OFFICE OF THE COUNTY RECORDER IN AND
FOR OLMSTED COUNTY MINNESOTA, DESCRIBED
AS FOLLOWS TO WIT BEGINNING AT THE SOUTH
EAST CORNER 25TH STREET NW AND 29TH
AVENUE NW AND COMMENCING S 89° 27' 15" E.
93.95'; THENCE N 0° GENERALLY SOUTHERLY
DIRECTION ALONG THE CENTER OF THE UTILITY
EASEMENT TO A POINT 191.03' GENERALLY WEST
ALONG THE NORTH ROW LINE OF 24TH STREET
NW FROM THE NORTH WEST CORNER OF 24TH
STREET NW AND 28TH AVENUE NW; THENCE
N 0° GENERALLY WESTERLY DIRECTION ALONG
THE NORTH ROW LINE OF 29TH STREET NW
161.00' TO THE NORTH EAST CORNER OF 29TH
STREET NW AND 29TH AVENUE NW; THENCE NE'LY ALONG THE
NORTH EAST CORNER OF THE 29TH STREET NW
AND 29TH AVENUE NW 109.80' TO THE EAST
ROW LINE OF 29TH AVENUE NW; THENCE IN A
GENERAL NORTHERLY DIRECTION ALONG THE
EAST ROW LINE OF 29TH AVENUE NW 153.44'
TO THE POINT OF BEGINNING.

SHEET INDEX

L-1	SITE PLAN
A-1	GARAGE FOUNDATION & FLOOR PLAN
A-2	GARAGE ELEVATIONS & SECTIONS
A-3	BASEMENT PLANS
A-4	FIRST FLOOR PLANS
A-5	SECOND FLOOR PLANS
A-6	ELEVATIONS
A-7	SECTIONS
P-1	PLUMBING SITE WORK
P-2	PLUMBING INTERIOR (TYPICAL UNIT)

NOTE:
LOCATE TELEPHONE, GAS, WATER, POWER, CABLE TV, SANITARY SEWER, ALL OTHER UTILITIES, SERVICES, AND ANY OTHER ITEMS ON SITE, AND NOTIFY ALL OFFICIALS, COMPANIES, AND OTHERS TO BE AFFECTED BY THIS WORK.

ALL WORK SHALL BE DONE IN STRICT ACCORDANCE W/ALL APPLICABLE CODES, LAWS AND ORDINANCES.

GAS DISTRIBUTION, SIMILAR TO ELECTRICAL, INDIVIDUALLY METERED AT EACH UNIT

VERIFY DEPTHS OF ALL SEWER LATERALS

VERIFY SEWER, WATER, ELECTRICAL, TELEPHONE CONNECTION WITH PROPER AUTHORITIES, COMPANIES, ETC.

SITE PLAN

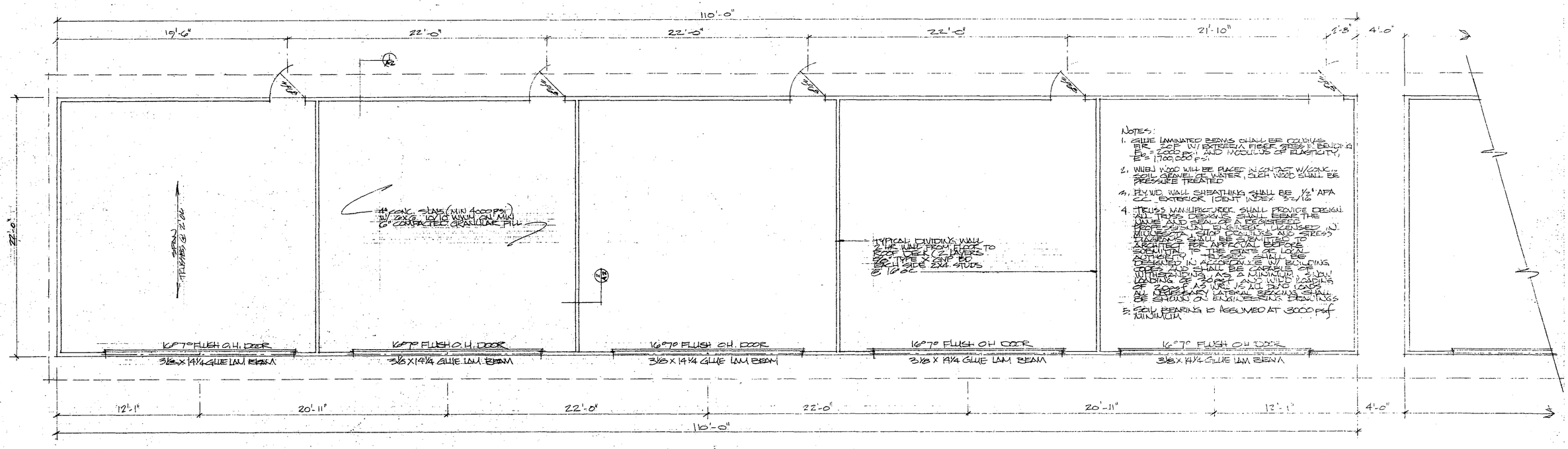
SITE LOCATION

REVISED	6/19/80
REVISED	4/11/80
REVISED	3/20/80
REVISED	11/26/79
REVISED	9/17/79
REVISED	8/20/79
REVISED	7/5/79
REVISED	6/7/79
REVISED	5/22/79

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

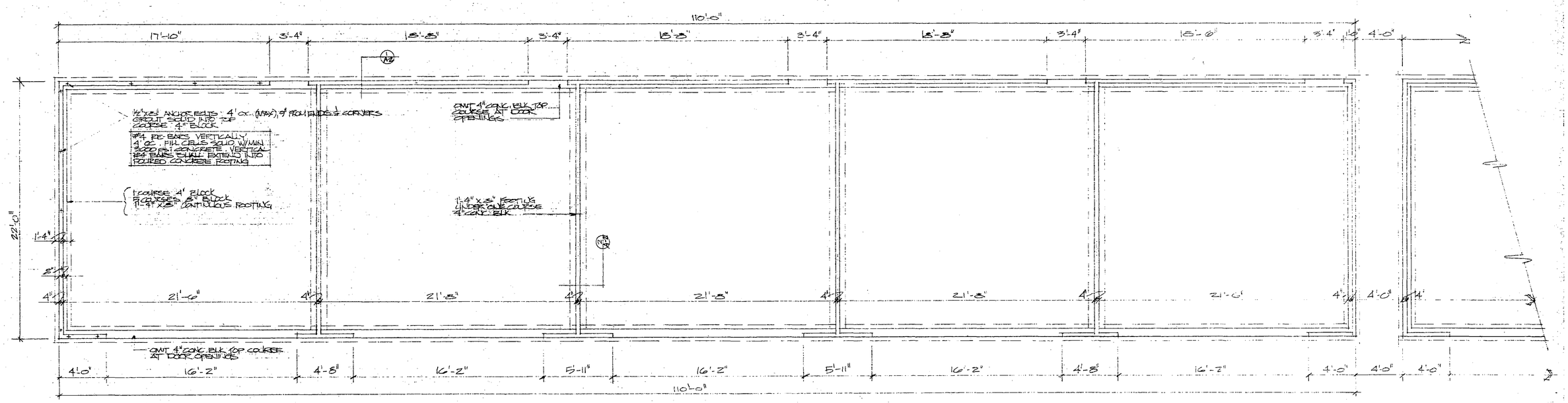
Daniel J. Stephans
May 24, 79 12956

NORTHRIDGE VILLAGE I
CONDOMINIUMS
DJ STEPHANS AIA ARCHITECT
R+2 Box 25
WARRENS, WI. 54666



FLOOR PLAN

1/4" = 1'-0"



FOUNDATION PLAN

1/4" = 1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

Signed: Dennis J. Stephans

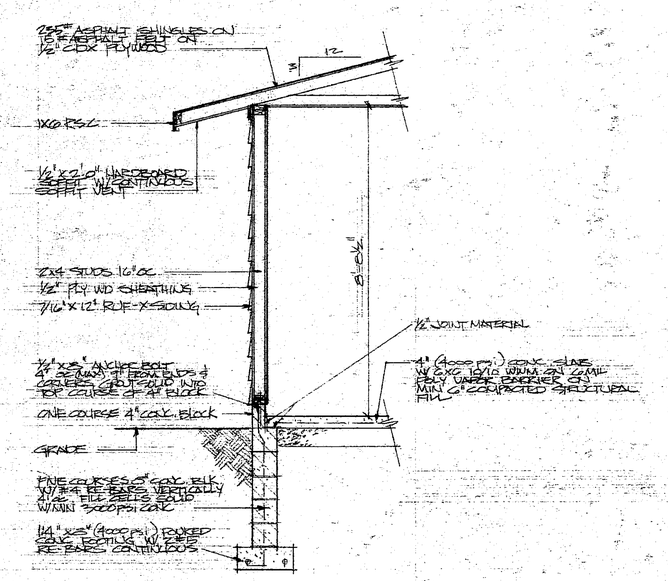
Date: Aug. 20, 1974 Reg. No.: 12956

NORTHRIDGE VILLAGE

DJ STEPHANS AIA ARCHITECT
RR 2 BOX 28
WARRENS, WI 54666
(608) 378-4466

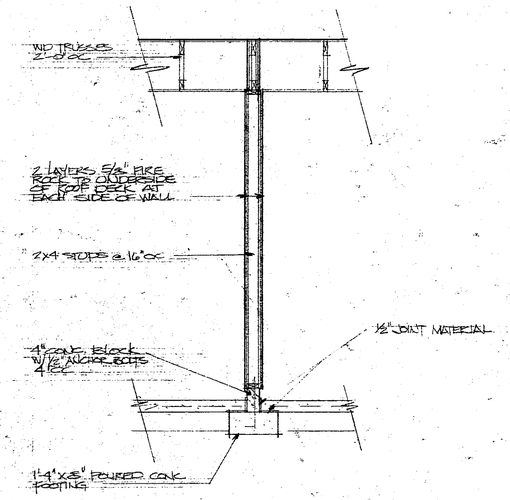
A-1

AUG 20 1974



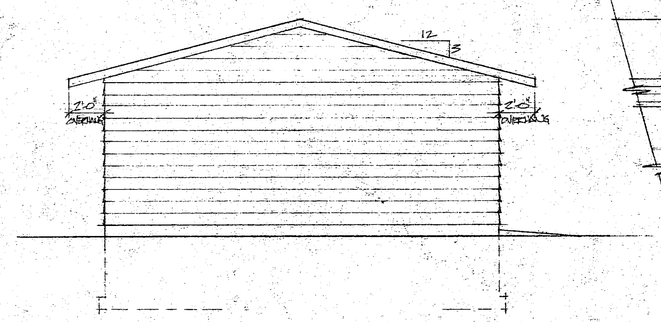
1 OUTSIDE WALL SECTION

½"=1'-0"



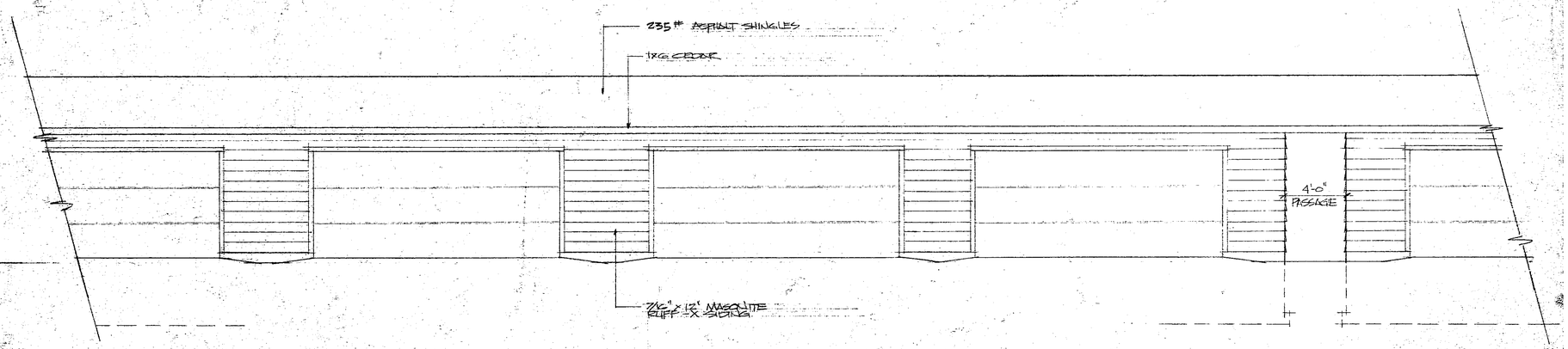
2 DIVIDING WALL SECTION

½"=1'-0"



END ELEVATION

¼"=1'-0"



PARTIAL FRONT ELEVATION

¼"=1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

Daniel Stephans

Date AUG 20, 1979 Reg. No. 12956

NORTHRIDGE VILLAGE

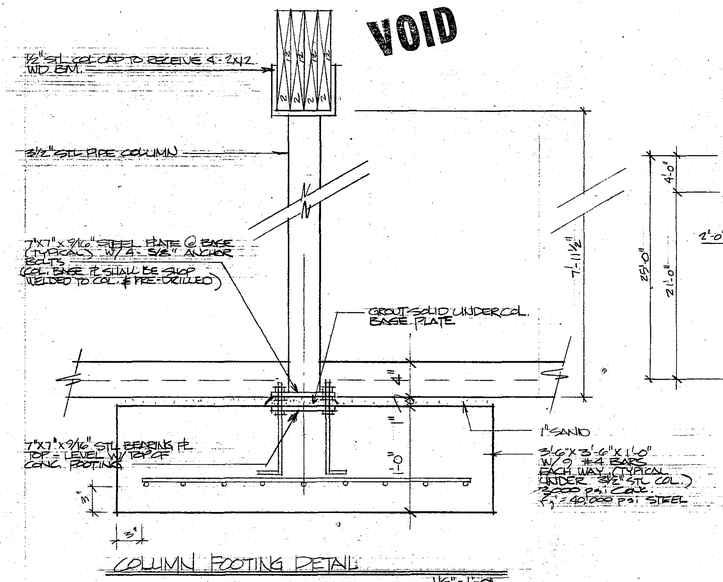
DJ STEPHANS AIA ARCHITECT
RR2 BOX 28
WARRENS, WI 54666
(608) 378-4466

A-2

AUG 20 1979

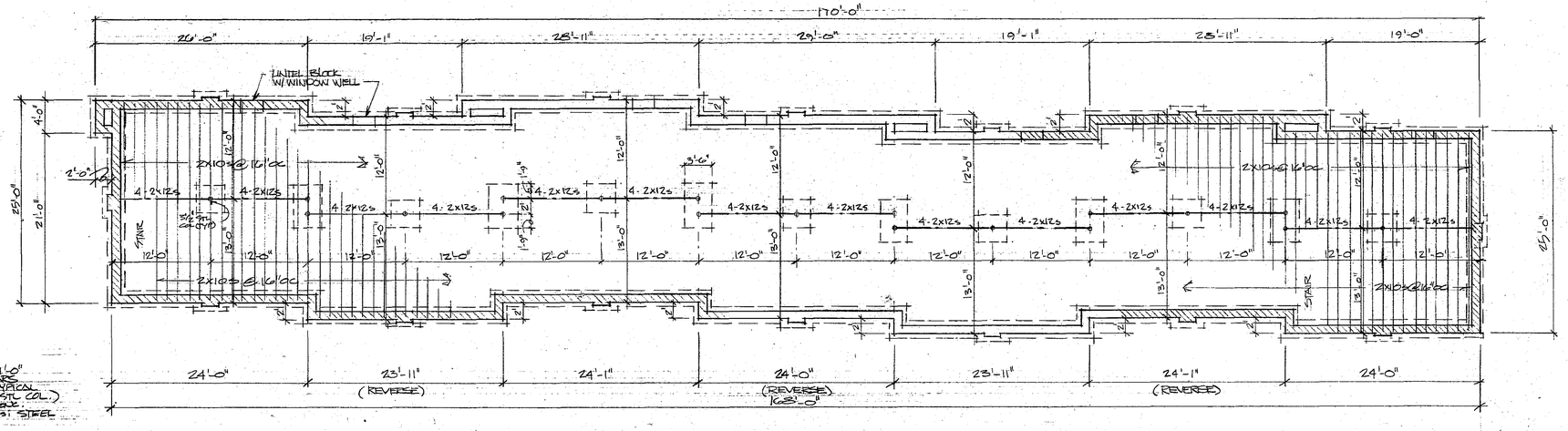
VOID

VOID



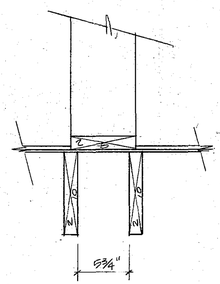
COLUMN FOOTING DETAIL

1½"=1'-0"



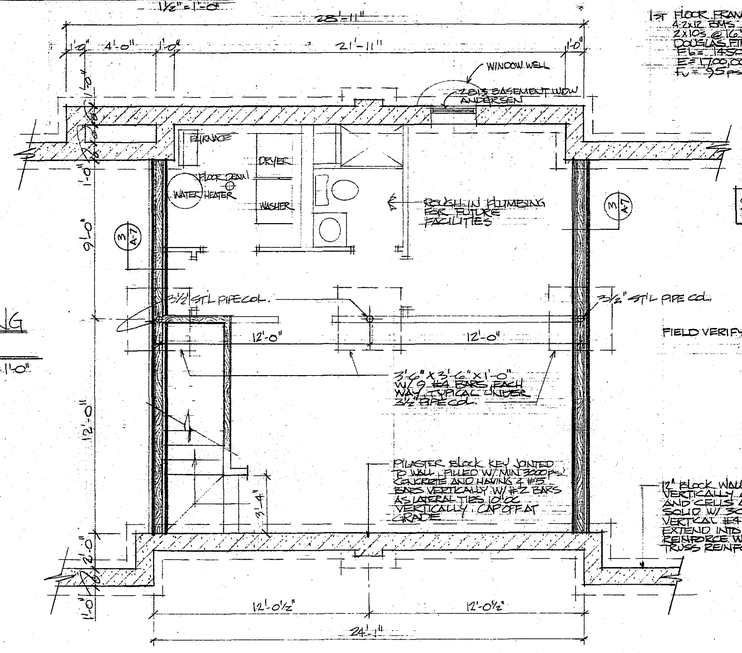
7-UNIT BLDG. (TYPICAL 2-BUILDINGS) 6-UNIT BLDG. SIMILAR FOUNDATION & 1ST FL FRAMING

1/8"=1'-0"

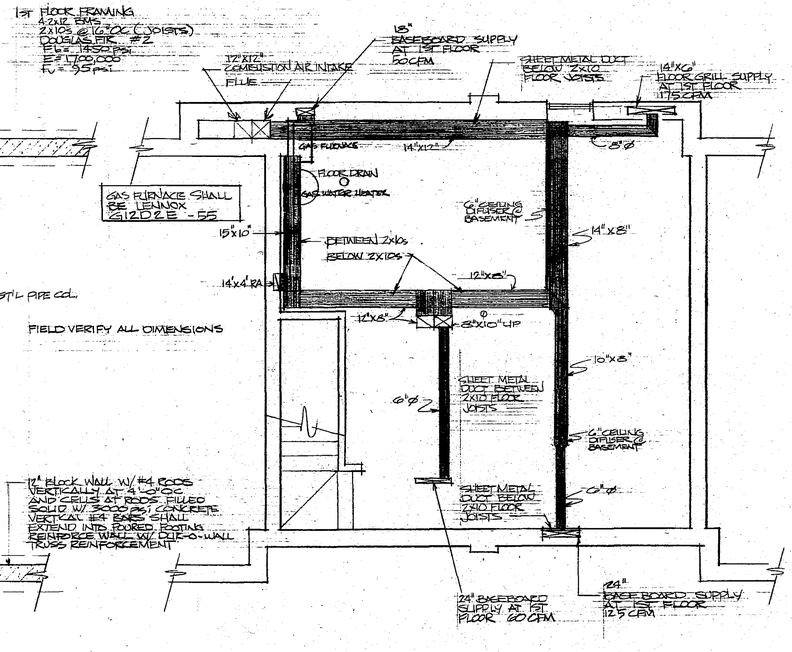


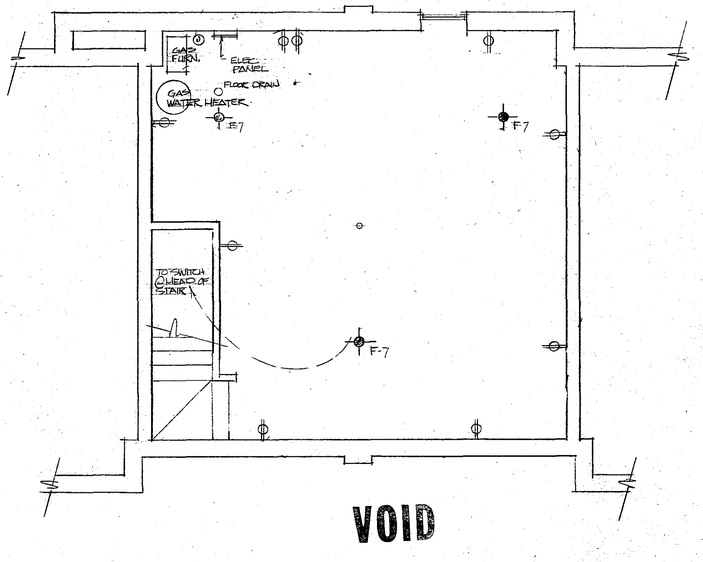
FRAMING @ PLUMBING WALL

1½"=1'-0"



FIELD VERIFY ALL DIMENSIONS





VOID

TYPICAL UNIT BASEMENT PLAN

¼"=1'-0"

REMOVE ALL TOPSOIL, FILL, SOFT MATERIAL, TREES, VEGETATION, PERISHABLE OR ORGANIC MATERIAL WITHIN AREAS TO BE COVERED WITH BUILDINGS, WALKS AND PAVED AREAS. IF AFTER EXCAVATIONS, A MINIMUM SOIL BEARING CAPACITY OF 3000 PSF DOES NOT EXIST, NOTIFY ARCHITECT AND AWAIT HIS WRITTEN INSTRUCTIONS AS TO PROCEDURE. KEEP ALL EXCAVATIONS FREE FROM FROST, WATER AND DEBRIS. UNLESS NOTED TO GREATER DEPTH THAN REQUIRED AND WITHIN BEARING AREA OF WALLS OR FOOTINGS SHALL BE FILLED AT LOWER LEVELS W/ CONCRETE HAVING MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. FILL EXCESS CUTS UNDER SLABS, STRUCTURAL GRADE FILL BELOW FOOTINGS AND UNDER ALL SLABS ON GRADE, AFTER EXCAVATIONS ARE COMPLETE AND BEFORE FOOTINGS ARE POURED, EXCAVATIONS SHALL BE INSPECTED AT EACH BUILDING SITE BY A QUALIFIED SOILS ENGINEER TO ASSURE SUITABLE SUBSOILS ARE PRESENT. PROVIDE DRAINTILE AT PERIMETER OF BUILDINGS, THOROUGHLY COMPACTED FOR FOUNDATION WALLS TO PREVENT MOISTURE MOVEMENT INTO THE BUILDINGS.

CONCRETE SHALL BE READY-MIXED (ASTM C-94) WITH MIN. 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI EXCEPT THAT CONC. UNDER CONC. BLOCK WALLS SHALL HAVE COMPRESSIVE STRENGTH OF 4,000 PSI. CONCRETE SHALL BE POURED WITH A MAX. SLUMP OF 4" AND SHALL BE AIR ENTRAINED READY-MIX PRODUCER SHALL FURNISH DELIVERY TICKETS W/ EACH LOAD OF CONCRETE DELIVERED. DELIVERY TICKETS SHALL BE FURNISHED TO ARCHITECT AND SHALL INDICATE THE (1) DELIVERY DATE AND BUILDING SITE, (2) NAME AND LOCATION OF MIXING PLANT, (3) NAME OF DRIVER, (4) # OF CU. YDS. IN LOAD, (5) TIME LOADED, (6) TIME DISCHARGED, (7) CEMENT CONTENT OF BATCH PER CU. YD., (8) # OF SACKS OF CEMENT, (9) ADMIXTURES, (10) MAXIMUM AGGREGATE SIZE, (11) AMOUNT OF WATER ADDED AT JOB SITE, (12) SLUMP. CONCRETE FOR BUILDING SLABS SHALL BE 6 MIL POLYETHYLENE. REINFORCING STEEL SHALL BE DEFORMED NEW BILLET STEEL, ASTM A-615 GRADE 40, WIRE MESH, ASTM A-185. AIR ENTRAINING SHALL COMPLY W/ ASTM C-260

TYPICAL UNIT BASEMENT HEATING

¼"=1'-0"

WHEN WOOD WILL BE PLACED IN CONTACT W/ CONCRETE, SOIL, GRAVEL, OR WATER, SUCH WOOD SHALL BE PRESSURE-TREATED. USE PRESSURE-TREATED WD. FOR FRAMING THAT MAY BE SUBJECT TO WETTING EITHER BY RAIN OR BY WATER DRIPPING FROM PIPES OR PLUMBING OR WHERE A HIGH RELATIVE HUMIDITY IS LIKELY TO OCCUR FREQUENTLY. USE PT WD WHERE SILL PLATES ARE LESS THAN 6" ABOVE THE SOIL, WHEN NON-DURABLE SPECIES OF WOOD SUCH AS SPRUCE IS TO BE LESS THAN 6" ABOVE THE SOIL, OR WHEN JOISTS AND SUBFLOOR MEMBERS ARE TO BE LESS THAN 18" ABOVE THE SOIL IN CRAWL SPACE CONSTRUCTION. ALL CUTENDS AND BORED HOLES SHALL BE FIELD TREATED W/ TWO BRUSH COATS OF PRESERVATIVE SOLUTION THIS PRESSURE-TREATED WOOD USED SHALL CARRY A RECOGNIZED QUALITY MARK STAMP INDICATING THAT THE MATERIAL HAS BEEN TREATED IN CONFORMANCE W/ THE RESPECTIVE QUALITY CONTROL STANDARDS TO PROVIDE PROTECTION AGAINST DECAY AND INSECT ATTACK.

STRUCTURAL LUMBER: STRESSED MEMBERS IN BEARING INCLUDING JOISTS, RAFTERS, BEAMS, HEADERS, STRINGERS AND MEMBERS OF TRUSSES SHALL HAVE A MINIMUM ALLOWABLE UNIT STRESS IN BENDING, Fb = 1450 PSI AND A MINIMUM MODULAS OF ELASTICITY, E = 1,700,000 PSI. LUMBER FOR STUDS, PLATES BRACING AND FURRING SHALL HAVE A MINIMUM ALLOWABLE UNIT STRESS IN BENDING, Fb = 850 PSI, A MINIMUM COMPRESSION PARALLEL TO GRAIN Fc = 1200 PSI, AND A MINIMUM MODULUS OF ELASTICITY E = 1,500,000 PSI.

WALLS AND PARTITIONS: STUDS SHALL BE 2x4's SPACED 16" OC, DOUBLED AT SIDES AND HEADS OF OPENINGS, TRIPLED AT CORNERS AND SPACED AS NECESSARY TO PROVIDE END NAILING FOR SHEATHING AND INTERIOR FINISH. STUDS SHALL BE NAILED TO SILL PLATES W/ 2 16d NAILS. TOP PLATES SHALL BE DOUBLE THICK MEMBERS FOR WALLS AND BEARING PARTITIONS. PLATES SHALL BE OF SAME WIDTH AND GRADE AS STUDS AND SHALL BE CONTINUOUS FOR BEARING PARTITIONS. SILL PLATES SHALL BE NAILED THROUGH SUBFLOORING TO JOISTS AND TRIMMERS W/ 2 16d NAILS IN EACH JOIST. ENDS OF SILL PLATES SHALL BE PROVIDED W/ SUITABLE SPLICE PLATES, SECURELY NAILED IN PLACE. LOWER MEMBERS OF TOP PLATES

TYPICAL UNIT BASEMENT ELECTRICAL

¼"=1'-0"

SHALL BE NAILED TO STUDS AND CORNER POSTS W/ 2 16d NAILS AT EACH STUD AND POST. UPPER 2x10 MEMBERS OF FLOOR PLATES SHALL BE NAILED TOGETHER W/ 16d NAILS SPACED 16" OC. TWO 10" NAILS SHALL BE USED AT ENDS OF UPPER MEMBERS. SPLICES SHALL BE ARRANGED SO NO JOINT IN A LOWER MEMBER UNTIES SHALL BE PROVIDED WITH AN UPPER MEMBER IN WALLS AND BEARING PARTITIONS. SPLICES IN PLATES SHALL NOT OCCUR OVER OPENINGS

DIAGONAL BRACING SHALL BE INSTALLED IN EXTERIOR WALLS 50% OR MORE IN LENGTH BRACING SHALL BE AT 45° ANGLE AND SHALL BE LET INTO STUDS AND NAILED IN EACH STUD. DIAGONAL BRACING SHALL BE LET INTO WALL SHEATHING WHERE REQUIREMENTS IS PROVIDED BY SHEATHING. THIS SHALL BE ACCOMPLISHED W/ 1"x6" WD. MIN. ½" SHEATHING AT ALL CORNERS

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

Daniel D. Stephens

Date AUG 20 1979 Reg. No. 12956

NORTHRIDGE VILLAGE

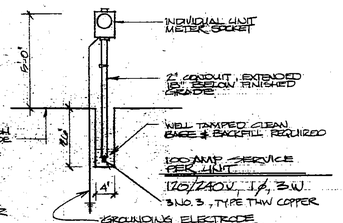
DJ STEPHANS AIA ARCHITECT
RR2 BOX 23
WARRENS WI. 54666
(608) 378-4466

A-3

AUG 20 1979

VOID

120/240V. 1Ø 3WIRE
TYPICAL UNIT 600 SQ FT x 3 = 1800 SQ FT
GENERAL LIGHTING LOAD
1800 SQ FT @ 3 WATTS/SQ FT — 5400 WATTS
ELECTRIC RANGE — 8000
LAUNDRY FACILITIES — 1500
— 14,900 WATTS
MINIMUM # OF BRANCH CIRCUITS / UNIT
GENERAL LIGHTING 5400 ÷ 120 = 45 AMPERES
USE 3 - 15 AMPERE 2 WIRE CIRCUITS
SMALL APPLIANCE LOAD
2 - 20 AMPERE CIRCUITS OF #12 WIRE (20A Ø)
RANGE 8000 ÷ 240 = 33.33
USE 35 AMPERES CIRCUIT OF 2-#6 WIRES AND ONE #10 WIRE
COMPUTED LOAD
GENERAL LIGHTING — 5400 WATTS
SMALL APPLIANCE — 3000
SUBTOTAL — 8400 WATTS
ELECTRIC RANGE — 8000 WATTS
LAUNDRY — 1500
— 17,900 WATTS
APPLICATION OF DEMAND FACTOR
3000 WATTS @ 100% — 3000 WATTS
5400 - 3000 = 2400 WATTS @ 35% — 840
SUBTOTAL — 3840 WATTS
RANGE — 8000 WATTS @ 80%
LAUNDRY — 1500
TOTAL — 14,350 WATTS
NET COMPUTED LOAD
14,350 ÷ 240 = 59.79 AMPERES
USE 100 AMP PANEL / UNIT W/ 100 AMP MAIN BREAKER



LIGHTING FIXTURE SCHEDULE

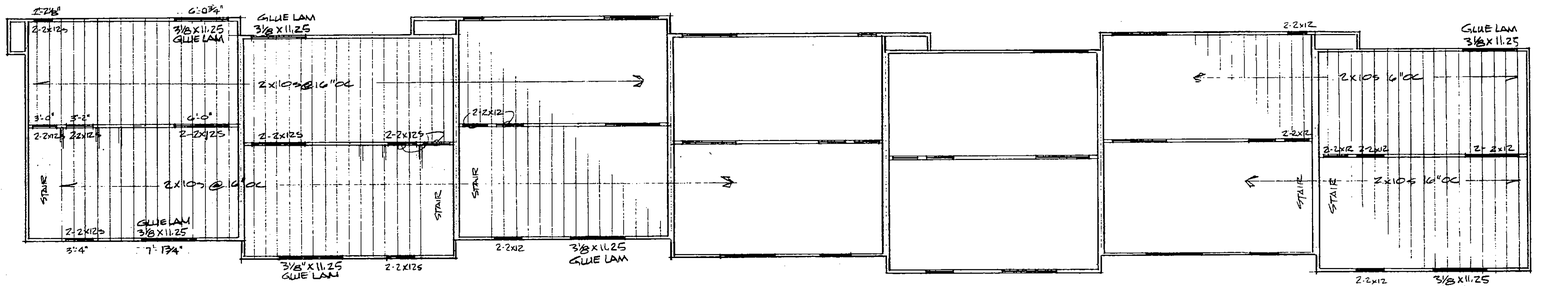
SYMBOL TYPE	MTG.	MANUFACTURER DESCRIPTION	LAMPS	REMARKS
F-1	WALL	HALO H 2411	1-100W.	
F-2	CLG.	HALO H 3210	2-CBW.	
F-3	CLG.	THOMAS M-1895	2-40W.	SWAG
F-4	WALL	HALO H 2577	4-25W.	
F-5	CLG.	HALO H 3214	2-75W.	
F-6	CLG.	THOMAS M 2360	3-CBW.	PULL DOWN
F-7	CLG.	KEYLESS PORCELAIN	1-CBW.	PULL CORD

ALL RECEPTICLES SHALL BE OF 3 POLE GROUNDING TYPE

WIRE SHALL BE MIN NO. 12 AWG COPPER - MAX LENGTH OF CIRCUIT SHALL BE 75'. IF UNAVOIDABLE LONGER RUNS SHALL HAVE MIN #10 AWG COPPER FOR RUNS OF 75' TO 125' AND #8 AWG COPPER FOR RUNS GREATER THAN 125' — WHERE NO. 12 AWG COPPER WOULD OTHERWISE BE USED

FPE STAB-LOK CIRCUIT BREAKER LOAD CENTER
SURFACE MOUNTED 100 AMP MAIN LUG LOAD CENTER
120/240 V. 1Ø 3W

BKR	USE	BKR	USE
10	LIGHTING	40	RANGE
15	LIGHTING	15	FURNACE
20	SM. APPLIANCE	25	DRYER
20	SM. APPLIANCE		



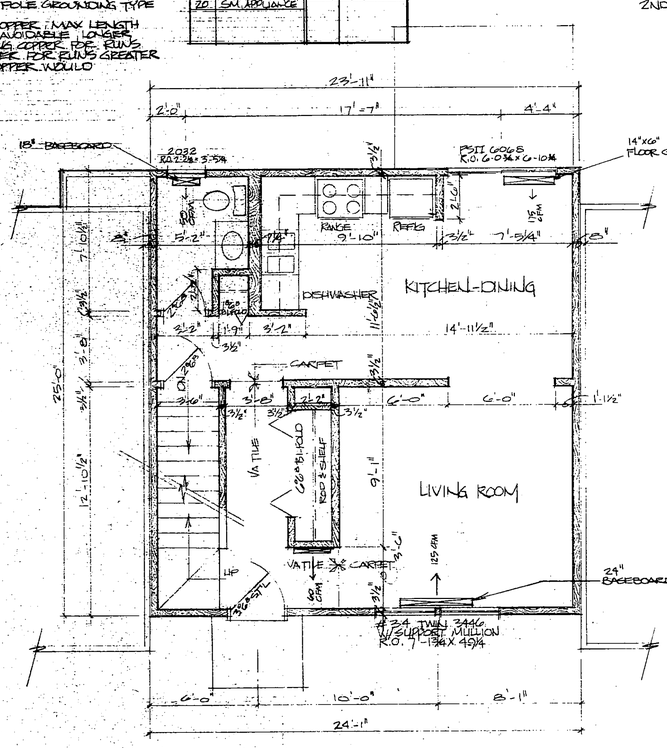
7-UNIT BLDG (TYPICAL 2-BUILDING) 6 UNIT BLDGS SIMILAR — 2ND FLOOR FRAMING

1/8" = 1'-0"

2ND FLOOR FRAMING
2 - 2x12 HEADERS
2x10's @ 16" OC (JOISTS)
DOUGLAS FIR #2
F_b = 1450 PSI
E = 1,700,000 PSI
F_v = 95 PSI
3/8" X 11.25 GLUE LAM
DOUGLAS FIR
F_b = 1800 PSI
E = 1,700,000 PSI
F_v = 165

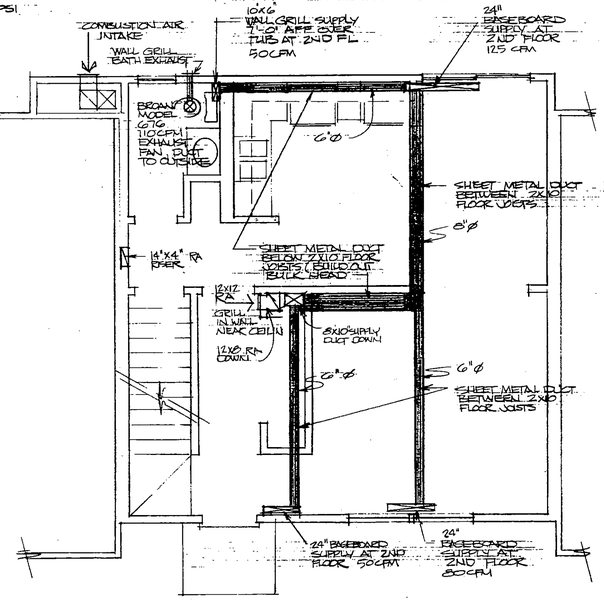
FLOOR JOISTS SHALL BE DOUBLED UNDER PARTITIONS MORE THAN 6' LONG AND PARALLEL TO JOISTS, AND UNDER HEADERS AND TRIMMERS AROUND STAIR WELLS. HEADERS AND JOISTS SHALL BE CONNECTED BY APPROVED METAL CONNECTORS

ALL PLYWOOD SHALL HAVE 32/16 INDEX, EXCEPT 3/4" T&G 48/24 INDEX



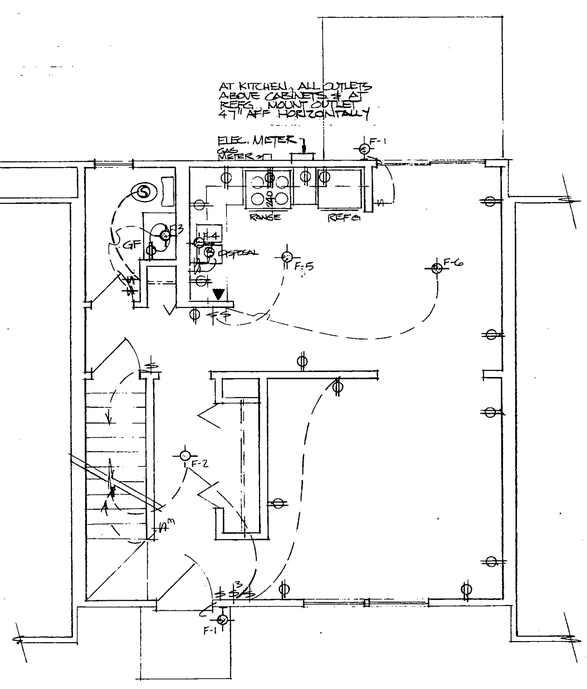
TYPICAL UNIT 1ST FLOOR PLAN

1/4" = 1'-0"



TYPICAL UNIT 1ST FL HEATING

1/4" = 1'-0"



TYPICAL UNIT 1ST FL. ELECTRICAL

1/4" = 1'-0"

ALL WINDOWS SHALL BE ANDERSON PERMA-SHIELD NARROLINE, DOUBLE HUNG WINDOWS
SLIDING GLASS DOORS SHALL BE ANDERSON PERMA-SHIELD GLIDING DOOR II

VOID

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.
Date: AUG 20 1979 Reg. No. 12956

NORTH RIDGE VILLAGE
DJ STEPHANS AIA ARCHITECT
RT 2 BOX 28
WARRENS, WI 54666
(608) 378-4466

A-4
AUG 20 1979

HEATING SYSTEM
DESIGN TEMPERATURES
INSIDE +67°F
OUTSIDE -25°F
Δt = 92°F
BASEMENT
OUTSIDE AVERAGE +15°F
Δt = 52.5°F

HEATING CALCULATIONS (END UNIT W/FULL BRICK FRONT)
GREATEST HEAT LOSS TYPE UNIT

SPACE	ITEM	AREA	U	Δt	BTU/H
BASEMENT	WALL	597.8	0.151	52	15,653.656
	GLASS	7.2	0.52	52	99.468
	SLAB FLOOR	600 x 3 BTU/HR/SF			1,800.000
	INFILTRATION	252 CF/HR x 0.018		52	235.872
	RIM JOIST	62.5	0.045	92	258.750
	BASEMENT LOSS				18,207.766
ENTRY	WALL BRICK	71.4	0.075	92	492.66
		17.85	0.148	92	243.0456
	HARDBOARD	88.4	0.070	92	569.296
		22.1	0.133	92	270.4156
	DOOR	20.01	0.420	92	773.1264
	INFILTRATION	1500.75 CF/HR x 0.018 x 92			2485.242
					4,833.84456
BATH	WALL	116.8	0.070	92	752.192
		29.2	0.133	92	357.2912
	GLASS	7.0	0.52	92	334.88
	INFILTRATION	396 CF/HR x 0.018 x 92			655.776
					2100.1392
KITCHEN / DN.	WALL	103.984	0.070	92	669.65312
		25.996	0.133	92	318.028705
	GLASS	40.02	0.52	92	1914.55656
	INFILTRATION	912.24 CF/HR x 0.018 x 92			1510.66694
					4,412.9702
LIVING	WALL	64.7352	0.075	92	446.67288
		16.1838	0.148	92	220.35602
	GLASS	33.8531	0.52	92	1618.475
	INFILTRATION	851.976 CF/HR x 0.018		92	1410.8722
					3696.3787
1ST FLOOR LOSS		15,043.3333			

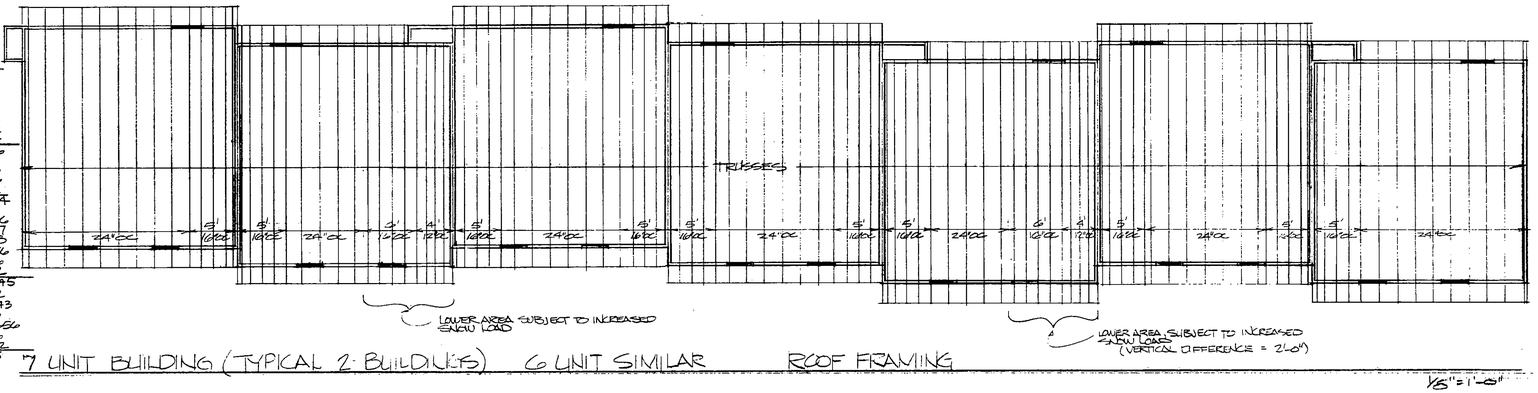
TRUSS MFG SHALL PROVIDE DESIGN. ALL TRUSS DESIGNS SHALL BEAR THE NAME AND SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN WISCONSIN. SHOP DRAWINGS AND STRESS DIAGRAMS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE SUBMITTAL TO AUTHORITIES. TRUSSES SHALL BE DESIGNED IN ACCORDANCE W/BUILDING CODES AND SHALL BE CAPABLE OF WITHSTANDING A MINIMUM SNOW LOADING OF 30 PSF AND WIND LOADING OF 20 PSF AS WELL AS ALL DEAD LOADS. ALL NECESSARY LATERAL BRACING SHALL BE SHOWN ON ENGINEERING DRAWINGS.

WHERE ROOF SLOPES DIFFER BY 4 OR MORE FEET ON THE OPPOSITE SIDES OF A PARTY WALL, THE DIFFERENCE IN ROOF LOADS SHALL BE CARRIED BY THE PARTY WALL. THE UNITS AT LEFT AND RIGHT OF THE PARTY WALL ARE DESIGNED FOR THE LOWEST ELEVATION OF THE ROOF. THE UNITS AT STEP-UPS OVER AREAS ARE DESIGNED FOR INCREASED SNOW LOADS. THEREFORE ALL JOISTS AT STEP-UPS (TYPICAL) AND TRUSSES SHALL BE SPACED 16" OC FOR FIRST 10' NEXT TO TRUSSES SHALL BE 12" OC. THEREAFTER TRUSSES MAY BE SPACED AT HIGHER SIDE OF STEP-UP AND ALL PARTY WALLS AND TYPICAL TRUSSES SHALL BE LAID 16" OC FOR FIVE FEET ON EACH SIDE OF THE PARTY WALL

2 GABLE END TYPE TRUSSES AT PARTY WALL

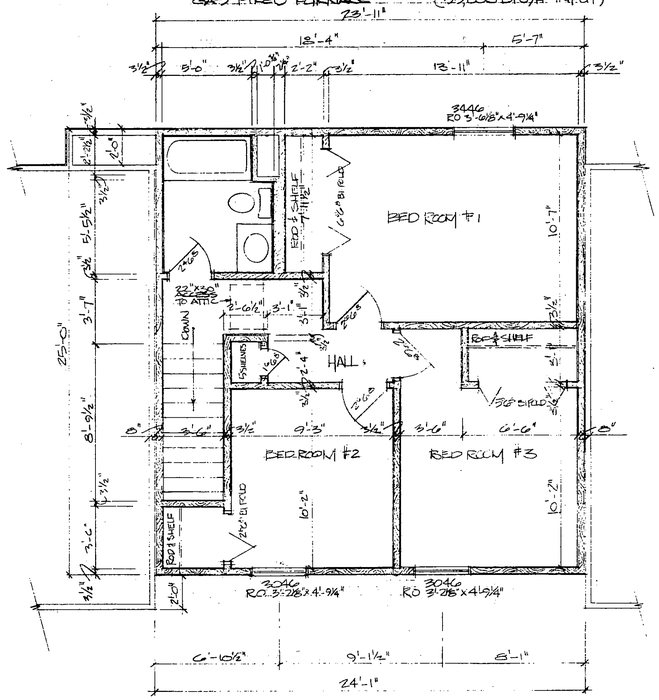
SPACE	ITEM	AREA	U	Δt	BTU/H
BR#2	WALL	560.905	0.075	92	3897.1152
		140.102	0.148	92	1912.0233
	GLASS	14.49	0.52	92	693.2016
	INFILTRATION	5673.76	0.018	92	933.58656
	ROOF	126	0.026	92	301.392
		14	0.033	92	42.504
					2,551.9121
STAIR	WALL	23.8	0.075	92	164.22
		5.95	0.148	92	81.0152
		952.1	0.070	92	613.0285
		23.8	0.133	92	291.2168
	ROOF	44.1	0.026	92	105.4572
		4.9	0.033	92	14.8764
					1269.99236
BATH	WALL	122.4	0.070	92	788.256
		30.6	0.133	92	374.4216
	ROOF	69.3	0.026	92	165.7634
		7.7	0.033	92	23.3772
					1351.8204
BR#1	WALL	115.56	0.070	92	744.2326
		28.891	0.133	92	352.51027
	GLASS	17.045	0.52	92	815.43236
	INFILTRATION	739.76	0.018	91	993.20256
	ROOF	168.3	0.026	92	402.5736
		18.7	0.033	92	56.7732
					3,365.7245
BR#3	WALL	59.808	0.075	92	412.6752
		14.952	0.148	92	203.75643
	GLASS	14.49	0.52	92	693.2016
	INFILTRATION	5673.76	0.018	92	933.58656
	ROOF	132.3	0.026	92	316.4616
		14.7	0.033	92	44.6292
					2604.1905

2ND FL LOSS 11,143.501
TOTAL LOSS 44,394.60 BTU/H
USE LENNOX #G12D2E-55, GAS FIRED FURNACE (55,000 BTU/H. INPUT)

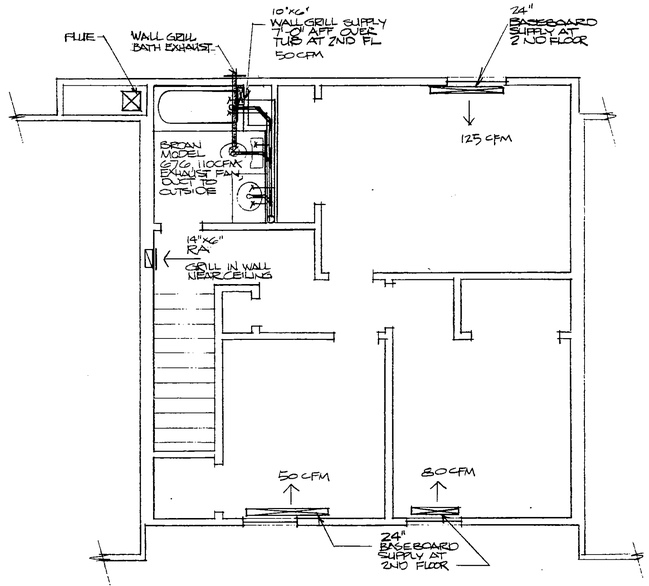


7 UNIT BUILDING (TYPICAL 2 BUILDINGS) 6 UNIT SIMILAR ROOF FRAMING

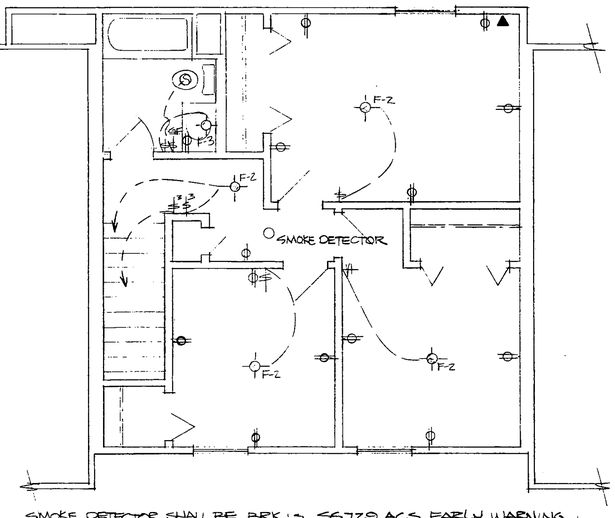
1/8"=1'-0"



TYPICAL UNIT 2ND FLOOR PLAN
1/4"=1'-0"



TYPICAL UNIT 2ND FL. HEATING
1/4"=1'-0"



SMOKE DETECTOR SHALL BE BRK #S 5S729 ACS EARLY WARNING FIRE DETECTOR

TYPICAL UNIT 2ND FL. ELECTRICAL
1/4"=1'-0"

'79 OCT 29 AM 11 03
CITY OF ROCHESTER
BLDG. & SAFETY DEPT.

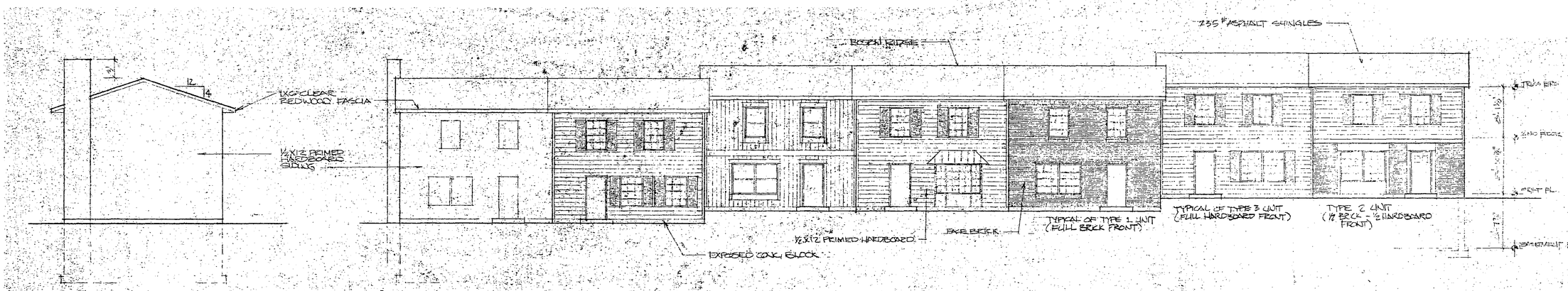
REVISED 10/22/79
10/15/79

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.
Daniel Stephans
Date AUG 20, 1979 Reg. No. 12956

NORTH RIDGE VILLAGE
DJ STEPHANS AIA ARCHITECT
RT 2 BOX 28
WARRENS, WI 54666
(608) 378-4466

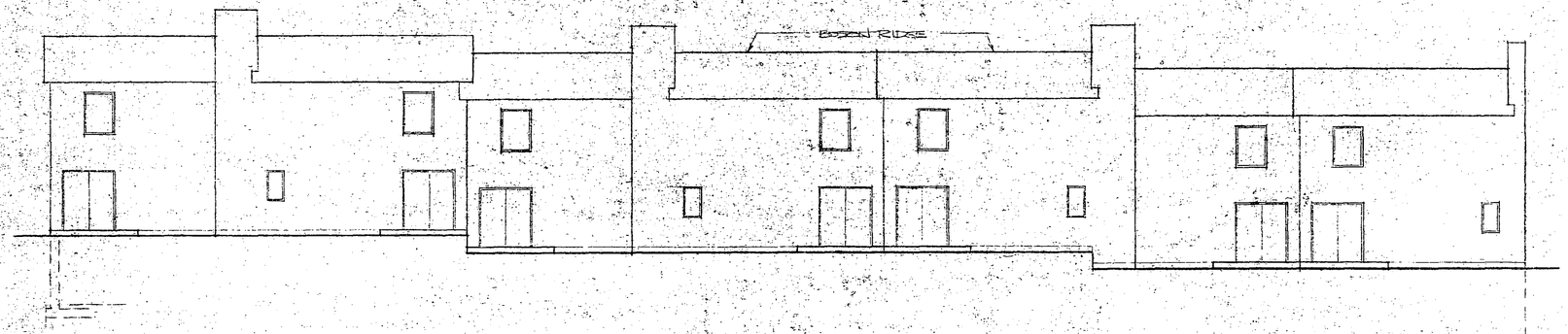
A-5

VENTILATE STRUCTURAL CAVITY SUCH THAT RATE OF AIR FLOW IS 2 CFM PER SQ FT. OF FLOOR AREA



END ELEVATION
1/8"=1'-0"

FRONT ELEVATION 7-UNIT BLDG. (TYPICAL 2 BUILDINGS) 6 UNIT SIMILAR
1/8"=1'-0"



REAR ELEVATION 7 UNIT BLDG. (TYPICAL 2 BLDGS) 6 UNIT SIMILAR
1/8"=1'-0"

THERMAL PERFORMANCE

ROCHESTER, MN. ESTIMATE 8000 HEATING DEGREES DAYS

EXTERIOR ENVELOPE AVG. "U" COMPUTATION (GREATEST HEAT LOSS TYPE UNIT) END UNIT
TYPE 1 (W/ FULL BRICK FRONT)

	U	x SF	= BTU/H
WALL			
HARDBOARD STUD & PLATE (20% OF WALL AREA)	.135	191.975	20.159475
HARDBOARD INSULATED WALL (80% OF WALL AREA)	.076	666.50	42.441
BRICK, PLYWD. STUD & PLATE (20% OF WALL AREA)	.145	60.698	8.868604
BRICK VENEER INSULATED WALL (80% OF WALL AREA)	.075	242.392	18.1794
RIM JOIST	.045	22.5	1.01125
EXPOSED CONC. BLOCK	.470	50.25	23.6175
WINDOWS			
TOTAL IG (INCLUDES SL GL DR.)	.520	130.625	67.925
DOORS			
3/4 SL GL DR	.420	20.01	8.4042
TOTAL (U)(A) VALUES		1324.25	192.50757

TOTAL (U)(A) VALUES / TOTAL WALL AREA = 192.50757 / 1324.25 = .14537101

U_o = 0.238(AVG, STATE CODE) > 0.145 OK

ROOF/CEILING			
RAFTER (10% OF AREA)	.033	60	1.98
INSULATED (90% OF AREA)	.026	540	14.04
		600	16.02

TOTAL (U)(A) VALUES / TOTAL ROOF/CEILING AREA = 16.02 / 600 = .0267

U_o = 0.05 BTU/H (AVG, STATE CODE) > 0.0267 OK

MINNESOTA ENERGY CODE

MAX BTU LOSS

WALL 1324.25 SF @ 0.238 BTU/HR = 315.1715 BTU/HR

ROOF 600 SF @ 0.05 BTU/HR = 30.00

345.1715 BTU/HR > 208.53 OK

NOTES:
FIELD VERIFY ALL DIMENSIONS

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.

Daniel Stephenson

NORTHRIDGE VILLAGE

DANIEL STEPHENSON ARCHITECT

ENERGY CODE INFORMATION

INSULATED WALL, STUDS & PLATE

HARDBOARD/PLYWOOD SIDING	
INT AIR FILM	.68
½" GYP BD	.45
3½" SOFTWOOD	4.35
½" INTER. SHEATHING	1.22
½"X1" X/N "HARDBOARD (½" PLYWD)	.67
EXT AIR FILM	.17
U=.133	7.54
INT AIR FILM	.68
½" GYP BD	.45
3½" FIBERGLASS	11.00
½" INTER SHEATHING	1.22
½"X12" HARDBOARD (½" PLYWD)	.67
EXT. AIR FILM	.17
U=.070	14.19

BRICK VENEER	
INT AIR FILM	.68
½" GYP BD	.45
3½" SOFTWOOD	4.35
½" PLYWOOD	.62
#15 ASPHALT FELT	.06
FACE BRICK	.44
EXT AIR FILM	.17
U=.148	6.77
INT AIR FILM	.68
½" GYP BD	.45
3½" FIBERGLASS	11.00
½" PLYWOOD	.62
#15 ASPHALT FELT	.06
FACE BRICK	.44
EXT. AIR FILM	.17
U=.075	13.42

RIM JOIST

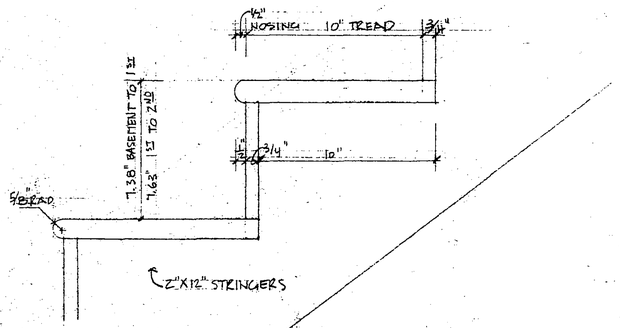
HARDBOARD/PLYWOOD SIDING	
INT AIR FILM	.68
6" FIBERGLASS	19.00
1½" SOFTWOOD	1.89
½"X12" HARDBOARD (½" PLYWOOD)	.67
EXT AIR FILM	.17
U=.045	22.41

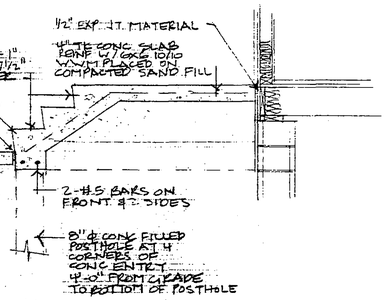
EXPOSED CONC. BLK	
INT AIR FILM	.68
12" CONC BLK	1.28
EXT AIR FILM	.17
U=.470	2.13

RAFTER AREA	
INT AIR FILM	.61
⅝" GYP BD	.56
3½" SOFTWOOD	4.35
6½" CELLULOSE	24.05
EXT. AIR FILM	.01
U=.033	30.18

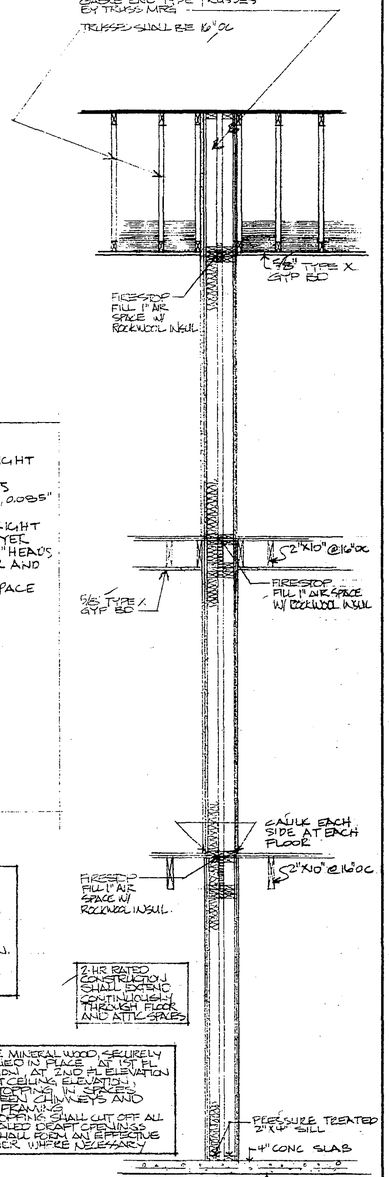
INSULATED CEILING	
INT AIR FILM	.61
⅝" GYP BD	.56
10" CELLULOSE	37.00
EXT AIR FILM	.61
U=.026	38.78

NOTICE
THE PLANS MUST BE ON CONSTRUCTION SITE AT ALL TIMES. CALL FOR ALL FINAL INSPECTIONS BEFORE OCCUPANCY OF BLDG. IS

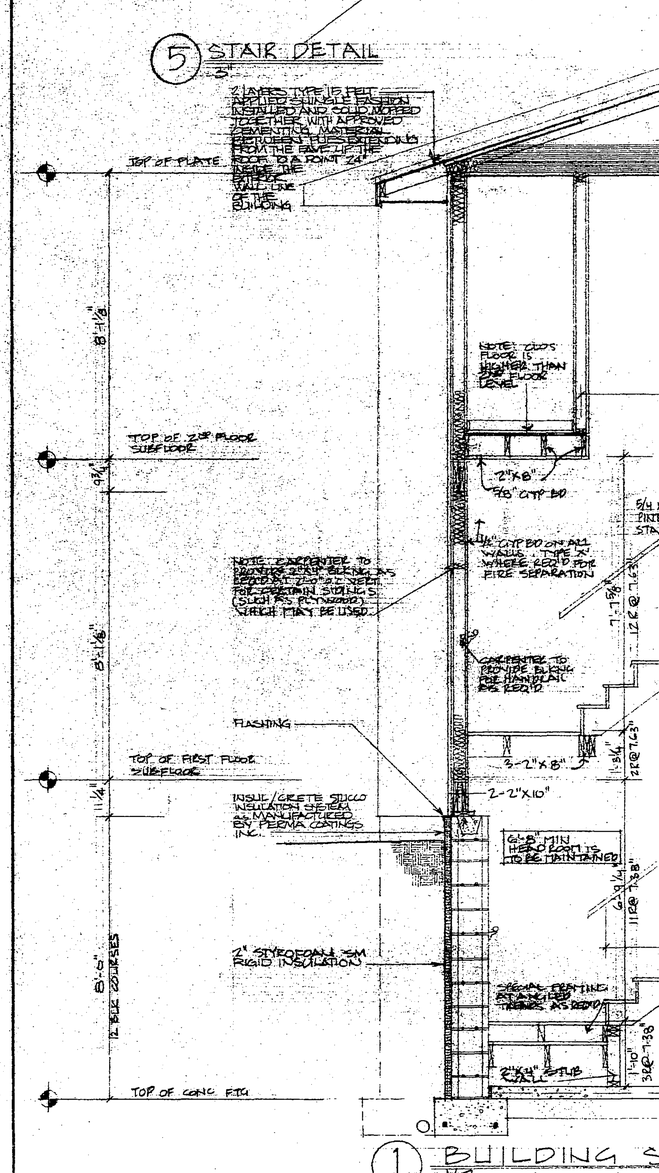




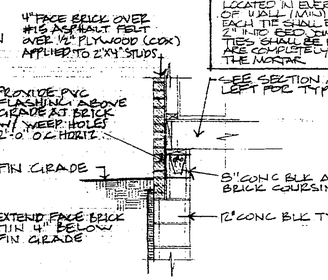
4 PARTIAL SECTION AT CONC ENTRY
1/2



5 STAIR DETAIL
3"=1'-0"



1 BUILDING SECTION
1/2



2 PARTIAL WALL SECTION FOR BRICK VENEER
1/2

COMMON WALL CONSTRUCTION

BASE LAYER - ⅝" TYPE 'X' GYP BD APPLIED AT RIGHT ANGLES TO EACH SIDE OF DOUBLE ROW 2"X4" WOOD STUDS, 16" OC, ON SEPARATE 2"X4" PLATES SPACED 1" APART W/ 6d COATED NAILS 1⅞" LONG, 0.085" SHANK, ¼" HEADS, 24" OC
FACE LAYER - ⅝" TYPE 'X' GYP BD APPLIED AT RIGHT ANGLES TO EACH SIDE OF WALL OVER BASE LAYER W/ 8d COATED NAILS 2⅜" LONG 0.100" SHANK, ¼" HEADS 8" O.C. STAGGER JOINTS 16" OC EACH LAYER AND EACH SIDE. SOUND TESTED USING 3½" GLASS FIBER 0.75 PCF STAPLED TO STUDS IN STUD SPACE ON ONE SIDE

SOUND DATA

SOUND TEST REF NGC 3056, 4-7-70
TL VALUES AT TEST FREQUENCIES FROM 125 Hz TO 4000 Hz (STC 55 TO 59)

125	35	800	54
160	39	1000	55
200	45	1250	56
250	45	1600	57
315	49	2000	54
400	49	2500	50
500	52	3150	53
630	53	4000	57

REVISED 10/15/79

3 SECTION AT COMMON WALL
1/2

I hereby certify that the plans, specifications and/or reports was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of Minnesota.
Date 6-4-79, License No. 12956

NORTHRIDGE VILLAGE PUD R79-9
SCALE: AS NOTED
APPROVED BY: L. Stephens
DATE:
for DIVERSIFIED STRUCTURES, INC.
L. STEPHENS AIA ARCHITECT
RFD #2 BOX 28 WARRENS VT. 54636

A-7

54336 PRINTED ON NO. 1000M CLEARPRINT

125TH STREET N.W.

EXISTING CORP. COCK - TYPICAL

EXISTING CURB STOP - TYPICAL

NEW CURB STOP - TYPICAL

29TH AVENUE N.W.

DO NOT RUN SEWER & WATER LINES UNDER OR NEAR FOOTINGS. DISTANCE HORIZONTALLY FROM FOOTING SHALL BE EQUAL TO DEPTH BELOW BOTTOM OF FOOTING. THIS INCLUDES EXTERIOR BUILD.

NEW CURB STOPS - TYP.

EXISTING CURB STOP-TYPICAL

EXISTING CORP. COCK-TYPICAL

24TH STREET N.W.

28 1/2 AVE.

SITE PLAN

SCALE 1"=20'

RELOCATE BLDG. SEWER SYSTEM 11/24/79

Daniel Stephens

SEPT 10 1979 No. 12956

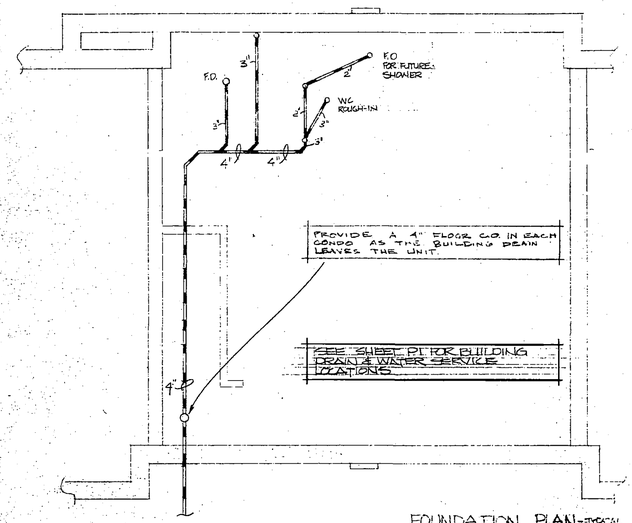
Daniel Stephens

DIVERSIFIED STRUCTURES

D.J. STEPHANS AIA ARCHITECT
RT 2 BOX 25 WARRENTS WI 54666

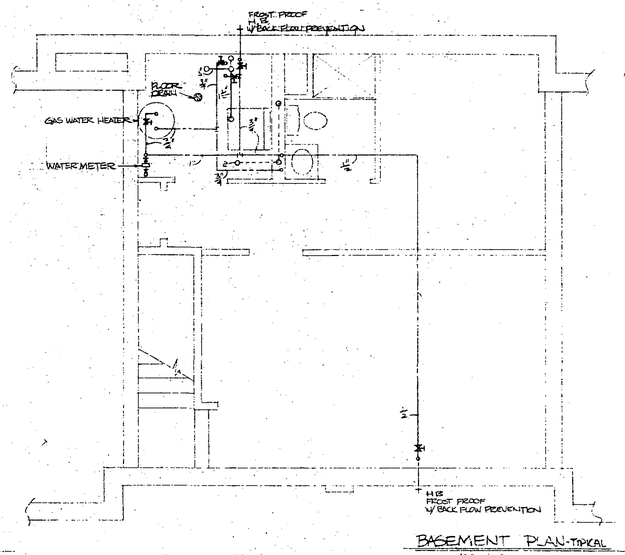
P-1

TELEDYNE POST 15A9-205



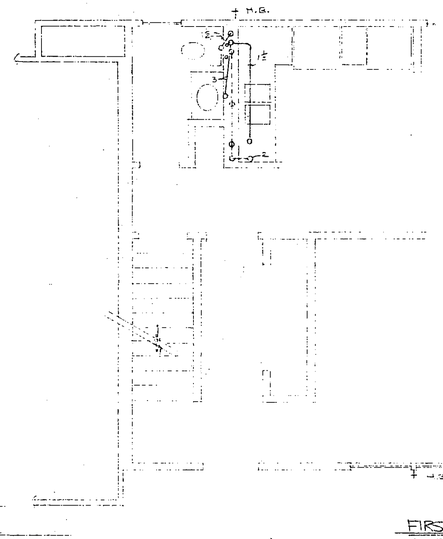
FOUNDATION PLAN-TYPICAL

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



BASEMENT PLAN-TYPICAL

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



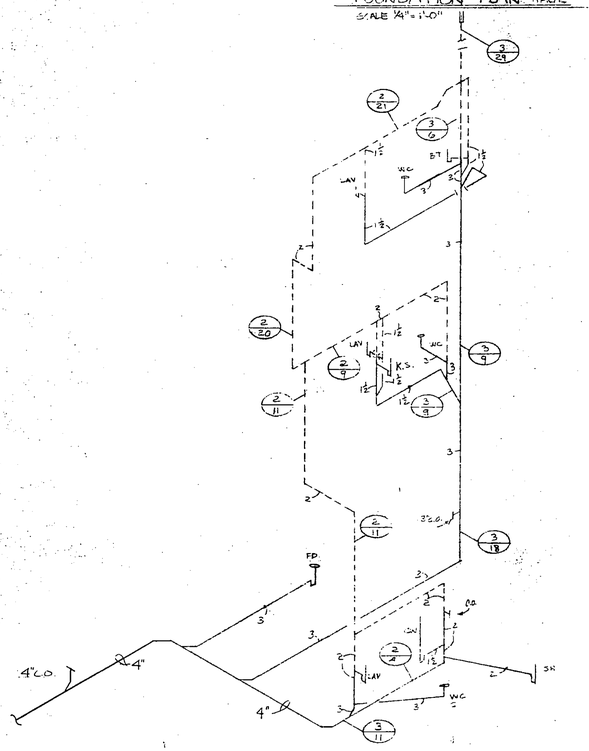
FIRST FLOOR PLAN-TYP.

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

PLUMBING PLAN-TYP.

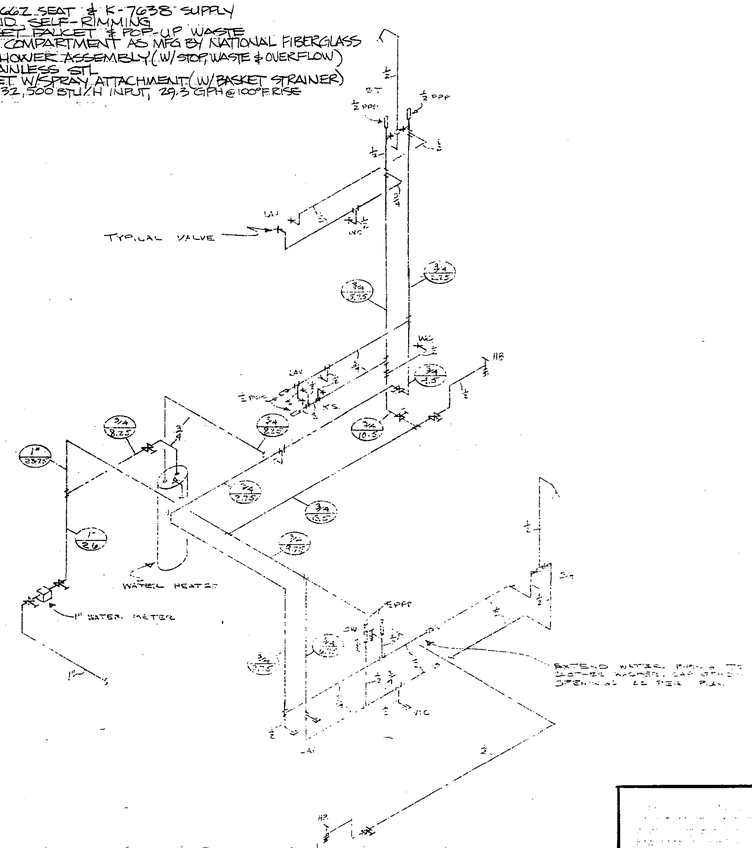
PLUMBING FIXTURES

WATER CLOSET	KOHLER	K-3500-PB W/ K-4662 SEAT & K-7638 SUPPLY
LAVATORY	KOHLER	K-2201 19" ROUND, SELF-RIMMING
	W/ MOEN	A6220 CENTERSET FAUCET & POP-UP WASTE
TUB		ONE-PIECE BATH COMPARTMENT AS MFG BY NATIONAL FIBERGLASS
	W/ MOEN	2235 VALVE & SHOWER ASSEMBLY (W/ STOP, WASTE & OVERFLOW)
KITCHEN SINK	MOEN	K-7522-DZM STAINLESS STL
	W/ MOEN	7810 DECK FAUCET W/ SPRAY ATTACHMENT (W/ BASKET STRAINER)
WATER HEATER	A.O. SMITH	FSAL-40 - 40 GAL., 32,500 BTU/H INPUT, 29.3 GPH @ 100°F RISE



DRAIN, WASTE & VENT SYSTEM

NTS



WATER DISTRIBUTION SYSTEM

NTS

PLUMBING

I. GENERAL PROVISIONS

A. GENERAL

1. ALL WORK SHALL COMPLY W/ MINNESOTA & EC HEATER CODES & REQUIREMENTS.
2. PLUMBER SHALL SECURE ALL PERMITS, INSPECTIONS AND APPROVALS AND SHALL PAY ALL FEES.
3. SHOULD ANY WORK SHOWN OR SPECIFIED BE CONTRARY TO LOCAL ORDINANCES, WORK SHALL BE EXECUTED IN ACCORDANCE W/ THE LAW W/ NO INCREASE IN CONTRACT PRICE, BUT NOT UNTIL THE POINTS IN QUESTION HAVE BEEN REFERRED TO THE ARCHITECT FOR APPROVAL. ALL TESTS SHALL BE MADE AS REQUIRED BY LAW AND AS REQUIRED BY PLUMBING INSPECTOR.
4. VERIFY LOCATION AND SIZES OF ALL UNDERGROUND WORK. RUN TO UNDERGROUND WORK TO AVOID INTERFERENCE WITH FOOTINGS. THERE SHALL BE NO PIPE SPLICING UNDER CONCRETE SLABS.

II. INTERIOR SEWERS & STACKS

A. UNDERGROUND SOIL WASTE AND DRAINAGE PIPING WITHIN BUILDING AND TO 7' OUTSIDE BUILDING: SERVICE WEIGHT SOIL PIPE AND MACHINE CAST WEIGHT FITTINGS.
B. ABOVE GROUND SOIL & WASTE PIPING AND FITTINGS:
1. SERVICE WEIGHT CAST IRON SOIL PIPE AND MACHINE CAST SERVICE WEIGHT FITTINGS.
2. STANDARD WEIGHT GALV. STEEL PIPE W/ GALV. CAST IRON SCREWED DRAINAGE FITTINGS FOR PIPING SMALLER THAN 3".
3. POLYVINYL CHLORIDE (PVC) SCHEDULE 40 RIGID PIPING AND FITTINGS (WHERE PERMITTED BY CODE).
4. COPPER DWV PIPING AND FITTINGS.
5. ABS - DWV SCHEDULE 40 PLASTIC PIPING AND FITTINGS (WHERE PERMITTED BY CODE).

C. ABOVE GROUND VENT PIPING AND FITTINGS: STANDARD WEIGHT GALV. STEEL PIPE W/ STANDARD CAST IRON OR MALLEABLE IRON STREAM PATTERN FITTINGS, SERVICE WEIGHT PIPING W/ MACHINE CAST SERVICE WEIGHT FITTINGS, PVC RIGID PIPING AND DWV SCHEDULE 40 PLASTIC PIPING, OR DWV COPPER AS PERMITTED BY LOCAL CODE.

D. INSTALLATION

1. CONNECTIONS TO STACKS SHALL BE MADE WITH "Y" BRANCHES ON ALL HORIZONTAL 4" AND OVER WHERE PERMITTED. SANITARY TEES MAY BE USED ON 2" LINES AND SMALLER.
2. EXTEND SOIL & WASTE AND VENT STACKS FROM HORIZONTAL SEWERS UP TO AND THROUGH ROOF AND TERMINATE ABOVE ROOF AND SUPPORT ADEQUATELY. STACKS SHALL BE FREE TO EXPAND AND CONTRACT.
3. PROVIDE CLEANOUT (CO) AT BASE OF EACH STACK & WHERE REQUIRED BY CODE AND AS SHOWN.
4. TERMINATE VENTS THROUGH ROOF WITH FLASHING TO 4" ABOVE ROOF AND EXTEND 12" ABOVE ROOF AND FLAT WHERE WALKING SURFACE IS MINIMUM. ALL VENTS SHALL BE CLOSED AT ALL TIMES EXCEPT ALL PERSONNEL ARE TO BE SUPPLIED WITH A KEY TO OPEN VENT ALL POSSIBILITY OF SYPHONAGE OR TRAP BREAK.

III. TRAPS AND CLEANOUTS

A. TRAPS SHALL BE INSTALLED ON ALL PLUMBING FIXTURES EXCEPT THOSE WHICH ARE INTEGRAL TRAP.
B. EACH TRAP SHALL BE WATER SEAL, SELF-CLEANING TYPE, P-TRAP
C. NOT LESS THAN 2" AND NOT MORE THAN 4".

IV. PIPING

A. UNDERGROUND COPPER TUBING, TYPE L W/ WROUGHT SOLDER JOINT FITTINGS
B. ABOVE GROUND HOT & COLD WATER PIPING: COPPER TUBING, TYPE L W/ WROUGHT COPPER SOLDER JOINT FITTINGS. JOINTS SHALL BE SOFT SOLDERED.
C. PROVIDE EXPANSION & CONTRACTION W/ PROPER JOINTS ATTENTION TO INSURE MOVEMENT OF COPPER PIPES. PITCH DOWN UNIFORMLY TO DRAIN POINT. PROVIDE AIR VENTS AT HIGH POINTS TO PREVENT AIR LOCKS.
D. COPPER PIPING SHALL HAVE COPPER HANGERS.
E. INSULATE ALL HOT WATER PIPING WITH ARMAFLEX INSULATION EQUAL TO CUSTIN GRADE 1 INSULATION 1" THICK FOR 2" AND SMALLER PIPE AND 1½" THICK FOR 2½" AND LARGER. INSULATE ALL WATER LINES, HOT & COLD, LINES UNDER SINKS NEED NOT BE INSULATED. USE WHERE INDICATED ON PLANS.
F. PROVIDE UNIONS OR FLANGES FOR ALL VALVES. LINES SHALL ALWAYS HAVE CONNECTION WHEN PENETRATING CONCRETE SLAB. COPPER TUBING SHALL NOT BE EMBEDDED IN CONCRETE.
G. PIPE SIZES: SHALL HAVE ADEQUATE SIZES AS SHOWN ON PLANS.
H. PIPING: ¾" COPPER PIPE SHALL BE USED FOR SUPPLY TO ALL FIXTURES.

V. VALVES

A. GLOBE & ANGLE VALVES SHALL HAVE BRASS BODIES W/ BRASS RINGS AND DISCS. ASBESTOS COMPOSITION DISCS.
B. GATE VALVES: WALWORTH, CRANE, STOCKHOLM, JENKINS, W/ METAL TRIM. BUILT FOR 125 P.S.I. OR HIGHER WORKING PRESSURE.
C. VALVES AND COCKS SHALL BE ACCESSIBLE FOR SERVICE.

VI. FIXTURES

A. STANDARD BY BLAKE, CRANE, KOHLER, HAMMOND, WADE, WASHINGTON, OSMITH OR EQUAL OF COLOR SHALL BE AS SELECTED. FULL SIZE, TO WALL OR FLOOR BY SCREWED BRASS PLUGS.
B. FAUCETS SHALL BE ¾" HANDLED PER NON-FREEZE W/ HANDLE AND BRASS FINISH. CHROME PLATED BRASS TEES W/ VACUUM BREAKER, SET 10" ABOVE GRADE. PEDESTAL W/ ¾" ACCESSIBLE INLET AND WASTE.
C. STOP & WASTE VALVE SHALL BE HAMMOND NO 500 OR 501 OR STANDARD (D1666-71-5).

RELOCATE BLDG DRAIN SYSTEM 11/26/79

Daniel Stephens	DIVERSIFIED STRUCTURES
DATE SEPT 10 79 JOB NO 12956	DJ STEPHENS AIA ARCHITECT 243 ECA WARREN WI 54666

SHEET P1

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