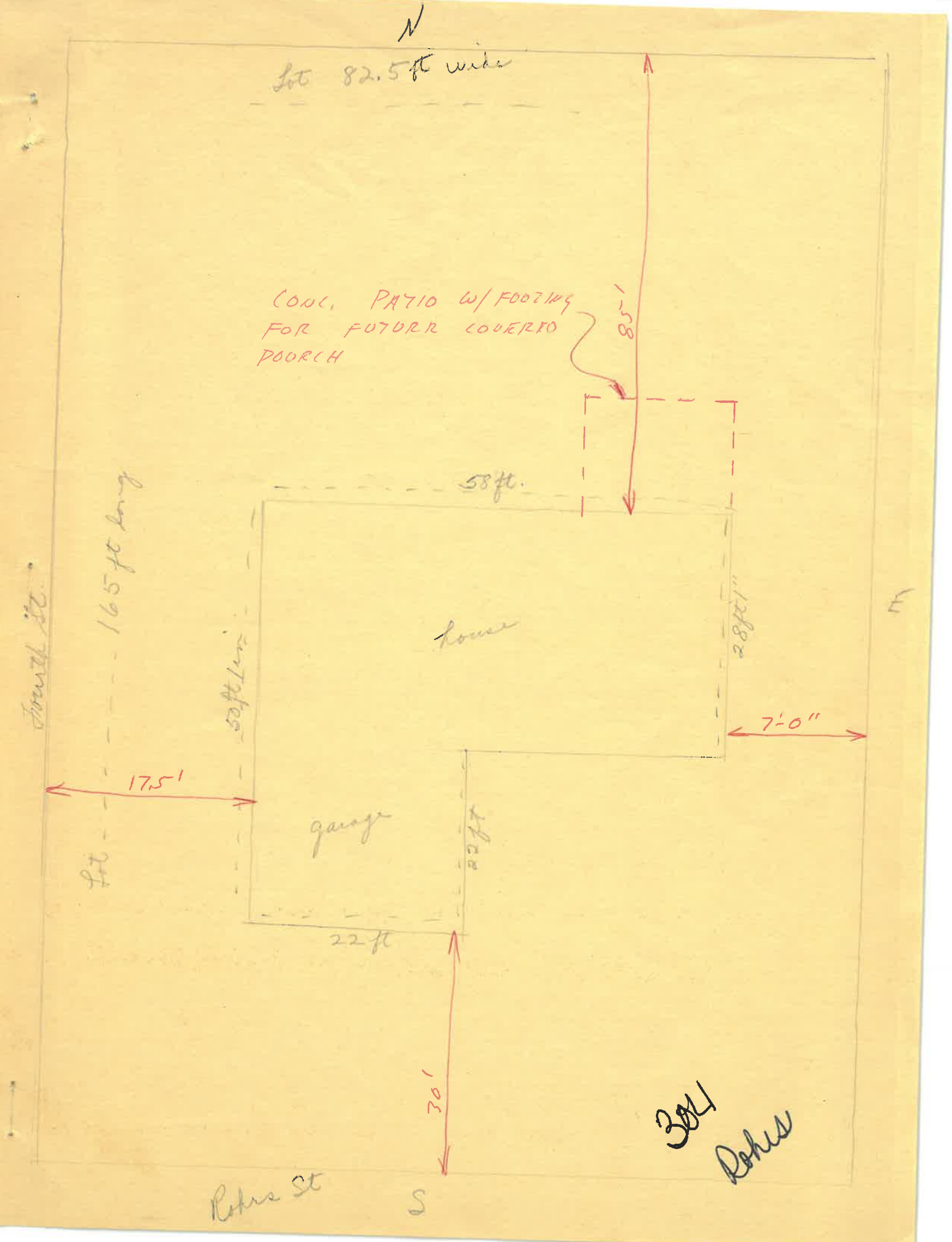


N
Lot 82.5 ft wide
CONC. PATIO W/ FOOTING
FOR FUTURE COVERED
POORCH
85'
58 ft.
165 ft long
Fourth St.
house
28 ft
50 ft
7'-0"
E
17.5'
garage
22 ft
22 ft
30'
Rohrs
Rohrs St
S

4½' x 2½ opening

49,700	~~Includes~~ Soft Finish roof Hermitage
-950.	Freight
	Briarwood shingles ★ (56,979.00) ★
360.00	cathedral ceiling
530.00	extra roof insulation
954.00	1" energy board
405.00	wood patio door
~~130.00~~	3 Homestead med. cabs ?
35.00	Gas water heater
540.00	self-cleaning range (Elec)
510.00	Frost-Free refrig
120.00 (3)	Bedroom ceiling Lights
45.00	outside recep. w/ GFI (Front)
-40.00	Dining room candelier (leave outlet Box)
150.00	Laundry cabinets Homestead
775.00	Andersen Bay window - 3044x18 8'
35.00	Hardware for kit cabs.
90.00	Dutch Manor Lap Siding
655.00	Homestead kitchen cabs
N/C	Substitute Boots + Registers w/ Return Air for Baseboard Heat
513.00	Carpet Beige thru out.
-93.00	deduct Master Bath
225.00	Carpet Master Bath (Plush)
	90362 vinyl
45.00	Glazecraft
-165.00	Standard Door W/ SL-2
20.00	1 Dead Bolt Lock
150.00	Mirrored Bifold Door Master Bedroom
20.00	Kitchen sink Sprayer

over

CLP

99,069

TOP CHORD 2X6 SPF, #2, EXCEPT AS SHOWN
BOT CHORD 2X4 S. PINE #1 DKD 15%, EXCEPT AS SHOWN
WEBS 2X4 SPF STUD

NO WANE OR KNOTS SHALL OCCUR IN THE PLATE CONTACT AREA.

ALL PLATES ARE TO BE CENTERED ON THE JOINT, LEFT TO RIGHT AND TOP TO BOTTOM, EXCEPT WHEN LOCATED BY CIRCLE OR DIMENSION. SEE DRAWING 130 FOR "PLATE LOCATIONS ON TYPICAL JOINTS."

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

81:
13'-0" SPAN - 2X4 S. PINE #1 KD 15%
12'-0" SPAN - 2X4 S. PINE #2 KD 15%

$$20 PSF LOAD CONSISTS OF 10 PSF LIVE LOAD & 10 PSF DEAD LOAD.

++++PROVIDE SPECIAL CONNECTION OR HANGER FOR 738 LBS.

* 1X4 #4 SPF OR BETTER CONTINUOUS LATERAL BRACING TO BE EQUALLY SPACED. ATTACH WITH (2) 8D NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

** PROVIDE CONNECTION FOR 530# TO RESIST SLIDING OF MEMBER.

*** SHIM TO SOLID BEARING.

+4" SCARF CUT ON DIAGONAL WEB.

++RIP 1½" FROM END, AFTER TRUSS IS FABRICATED.

+++LENGTH OF FIELD APPLIED MEMBER WILL VARY WITH LENGTH OF TRUSS TO MAINTAIN 5/12 TOP CHORD PITCH.

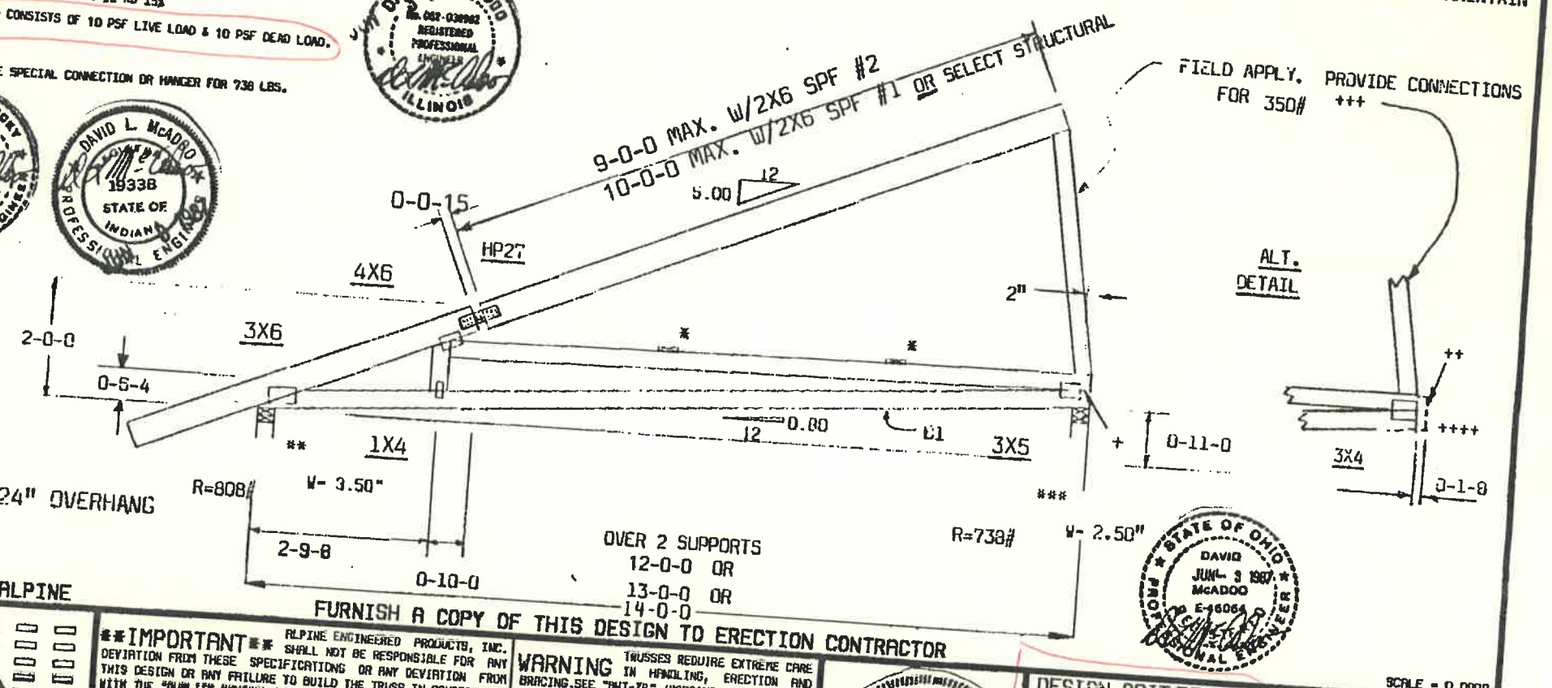


PLATE TYPE--ALPINE

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR

SCALE = 0.0000

IMPORTANT ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THESE SPECIFICATIONS OR ANY DEVIATION FROM THIS DESIGN OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE "QUALITY CONTROL MANUAL" BY TPI. ALPINE CONNECTORS ARE MANUFACTURED FROM 20 GAUGE GALVANIZED STEEL UNLESS OTHERWISE SHOWN, MEETING REQUIREMENTS OF ASTM A446 GRADE A. APPLY CONNECTORS TO BOTH FACES AT EACH JOINT AND LOCATE AS SHOWN. BEARING WIDTHS ARE 4" NOMINAL UNLESS OTHERWISE SHOWN. DESIGN STANDARDS CONFORM WITH APPLICABLE PROVISIONS OF *NDS-82 AND #TPI-78 OR PCT-77 (INTERIM)

*--TPI - TRUSS PLATE INSTITUTE, NDS - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION

WARNING TRUSSES REQUIRE EXTREME CARE IN HANDLING, ERECTION AND BRACING. SEE "BWT-78", BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS-#TPI3. SEE THIS DESIGN FOR ADDITIONAL SPECIAL PERMANENT BRACING REQUIREMENTS, UNLESS OTHERWISE SHOWN, TOP CHORD SHALL BE LATERALLY BRACED WITH PROPERLY ATTACHED PLYWOOD SHEATHING, BOTTOM CHORD WITH RIGID CEILING OR BRACING AT MAXIMUM OF 10 FEET O.C. DO NOT USE THIS DESIGN WITH FIRE RETARDANT TREATED LUMBER.

DESIGN CRIT TPI-78	
TC LL	30.0PSF
TC DL	10.0PSF
BC $$	20.0PSF
TOT.LD.	60.0PSF
DUR.FAC.	1.15
SPACING	24.0"

REF	3372-LR
DATE	6/2/87
DRWG.	99,069
TX-ENG	JTS/GMT
O/A LENGTH	--
PITCH	5.0/12
TYPE	H MONO

BERKHOLDER & CO., INC.
P.O. BOX 32 - U.S. 6 WEST
NAPPANEE, INDIANA 46550
219 - 773 - 3144

THIS DESIGN CONFORMS TO THE LATEST REVISION OF: THE "NATIONAL DESIGN SPECIFICATION" OF THE NATIONAL FOREST PRODUCTS ASSOCIATION AND "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BY THE TRUSS PLATE INSTITUTE

MBR	LEN	FORCE
1- 2	6.83	-2254
2- 3	6.17	-1961
3- 4	6.17	-1961
4- 5	6.83	-2254
5- 6	8.88	2080
6- 7	8.23	1401
7- 1	8.88	2080
2- 7	-448	
3- 7	666	
3- 6	666	
4- 6	-448	

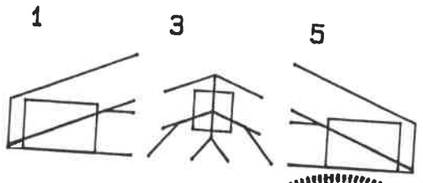
JT	REACT	MIN BRG
1	1195.	3.50"
5	1195.	3.50"

JT	PLATE
1	4.00X 6.00
2	1.50X 3.00
3	4.00X 4.00
4	1.50X 3.00
5	4.00X 6.00
6	3.00X 4.00
8	3.00X 5.00
7	3.00X 4.00

ALL PLATES TEE-LOK - TPI 85.

DATE 3/ 4/86
JOB ID T2426475
SHEET 1 OF 2

TOP 2X4 MSR SPF,
Fb 1650 E 1.5
BOT 2X4 MSR SPF,
Fb 1650 E 1.5
WEB 2X4 #2 SPF,



DESIGN LOAD
TOP LL= 30. PSF
TOP DL= 7. PSF
BOT LL= 0. PSF
BOT DL= 10. PSF
DUR OF LOAD INC 1.15
SPACING 24.0 IN O/C

10 MIN REQ.

ADDITIONAL LOAD
JT LBS MBR PLF
NONE NONE

REC CAB = .32" AT 6

STATE OF OHIO
PATRICK M. McGUIRE
E-45215
REGISTERED PROFESSIONAL ENGINEER

STATE OF MICHIGAN
PATRICK M. McGUIRE
No. 26761
REGISTERED PROFESSIONAL ENGINEER

STATE OF ILLINOIS
PATRICK M. McGUIRE
81-4369
REGISTERED STRUCTURAL ENGINEER

TL1101	4	20	3x4
	6	20	4x4
	4	20	4x6
	2	20	3x6S

NOTE: MAY BE FABRICATED WITH 2X6 #1 SOD. PINE TOP CHORD P.M.

MAXIMUM SPAN FOR #2 SPF TOP CHORD 20'-0"
MAXIMUM SPAN FOR #2 SPF BTM CHORD 24'-0"

(FT, INCHES, 16'S) SCALE= .278/1.0

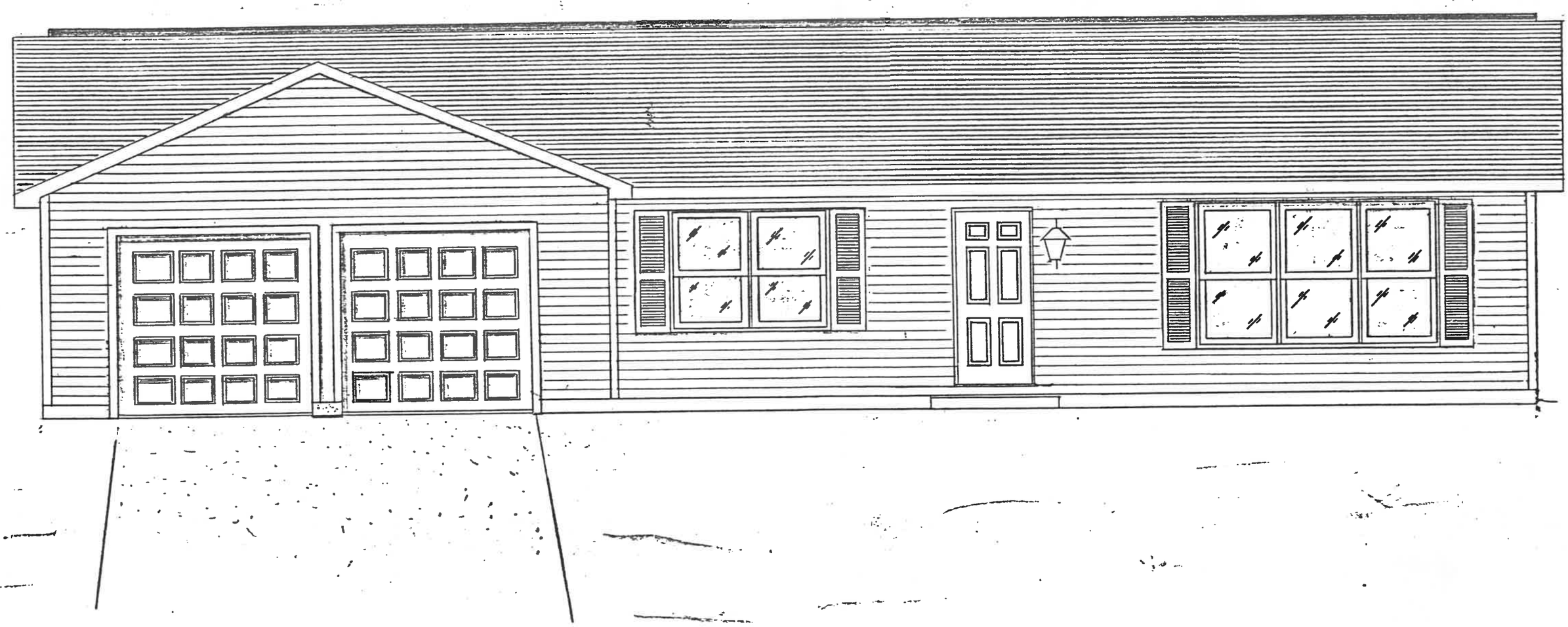
PATRICK M. McGUIRE
REGISTERED
No. 17446
STATE OF INDIANA
PROFESSIONAL ENGINEER

Patrick M. McGuire
3/21/86

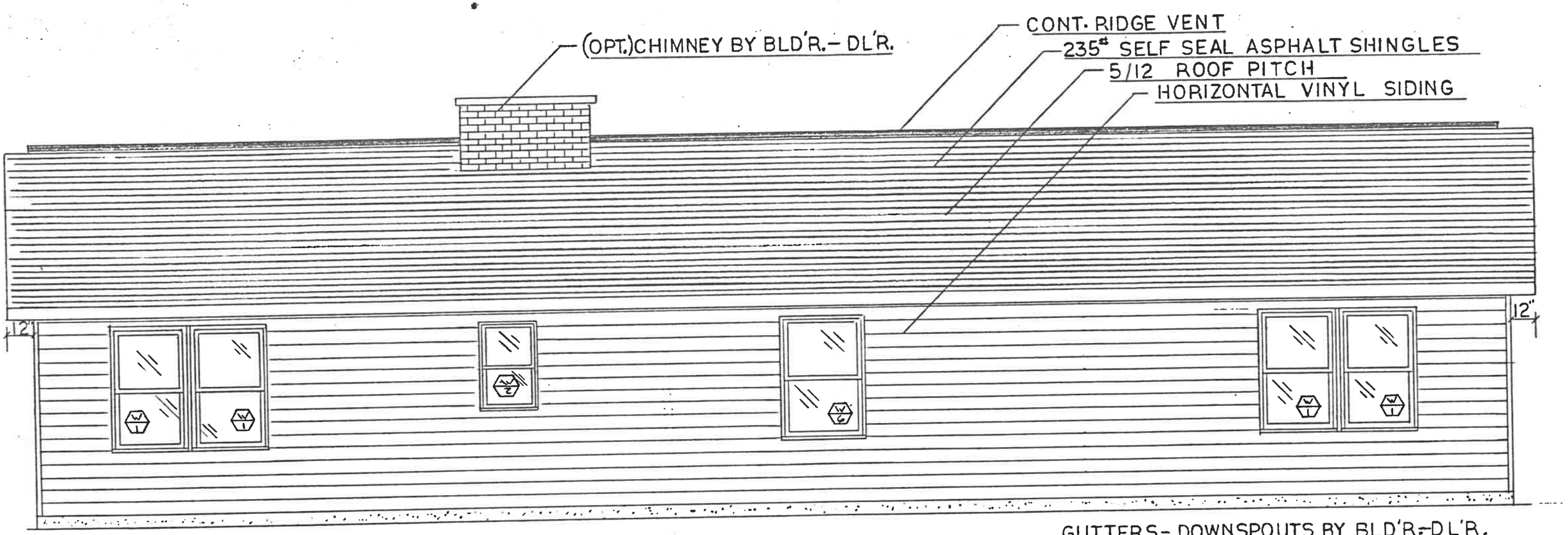
PAGE 1 of 2

DATE: 3-4-86 NO: TL- 1101 CROSS REFERENCE: 4/3-24-26-5-47

NOTE: THIS SPECIFICATION CONSISTS OF TWO PAGES - SEE SIDE OR SHEET TWO FOR NECESSARY INFORMATION

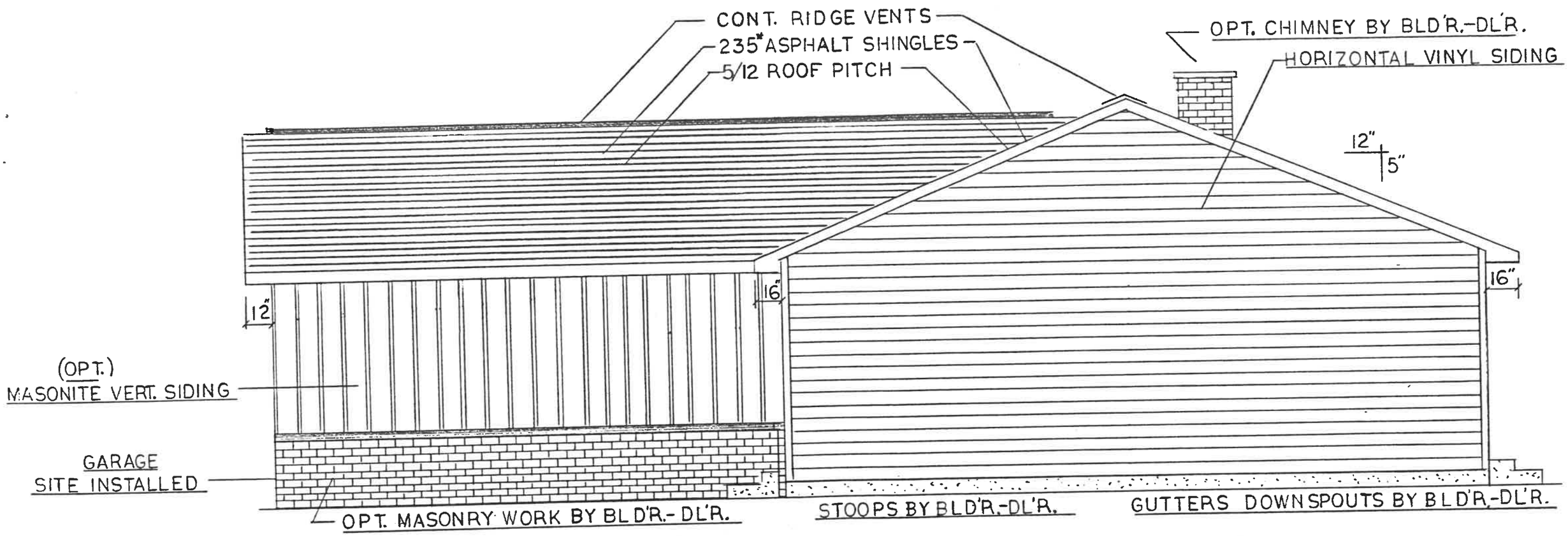


SERIES 44000

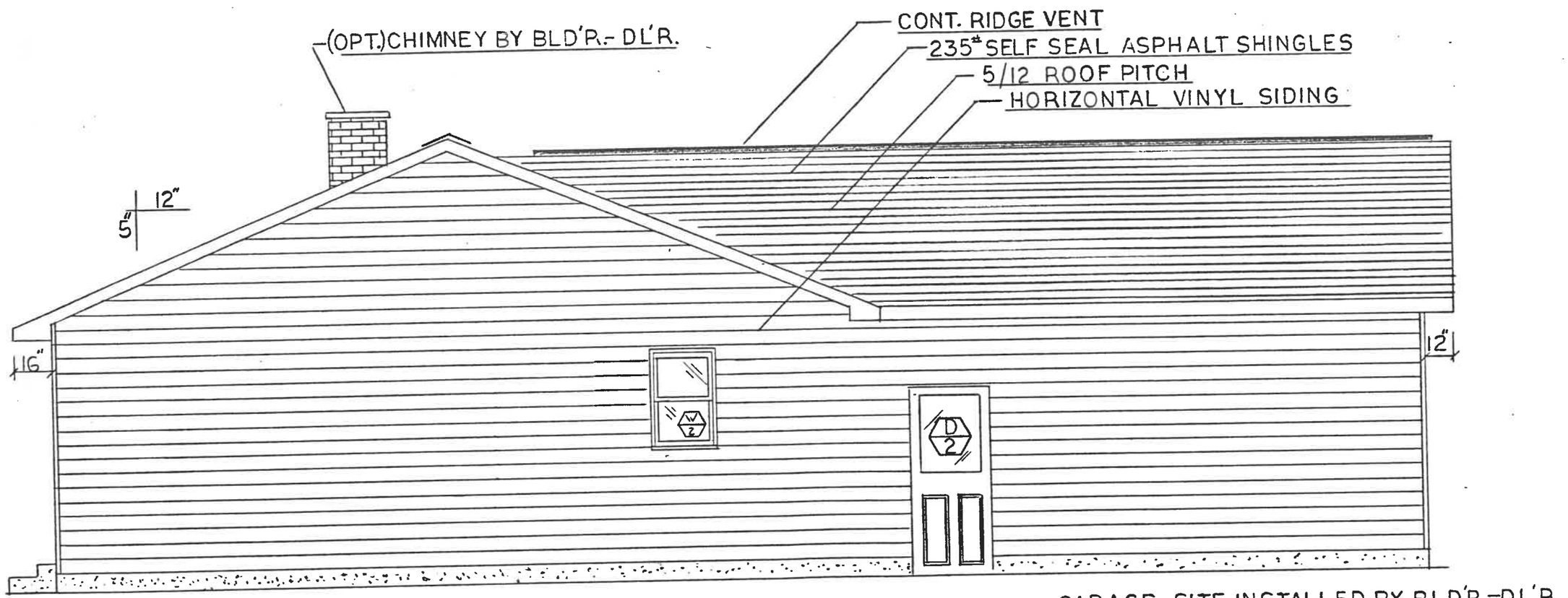


REAR ELEVATION

66133



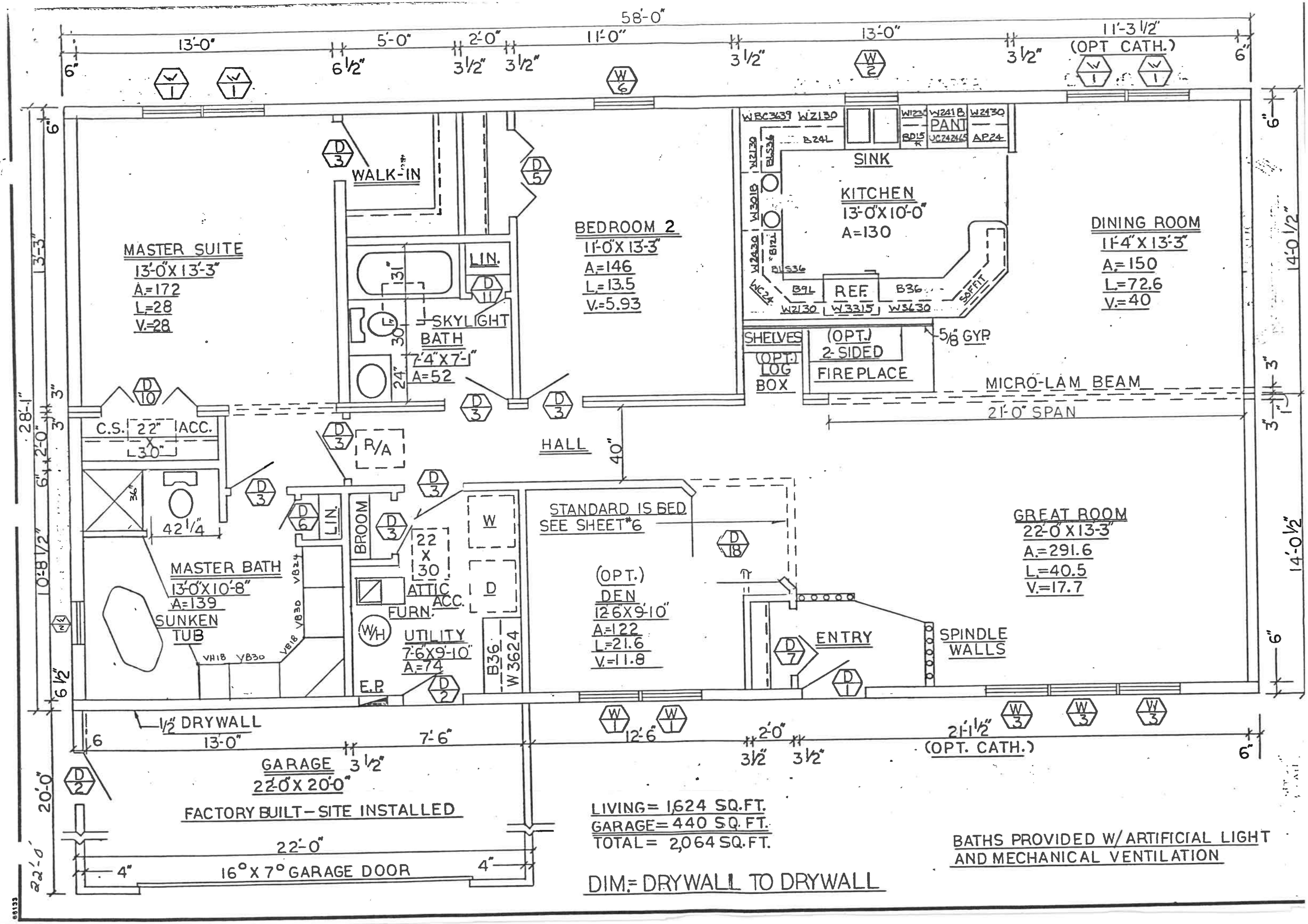
LEFT ELEVATION



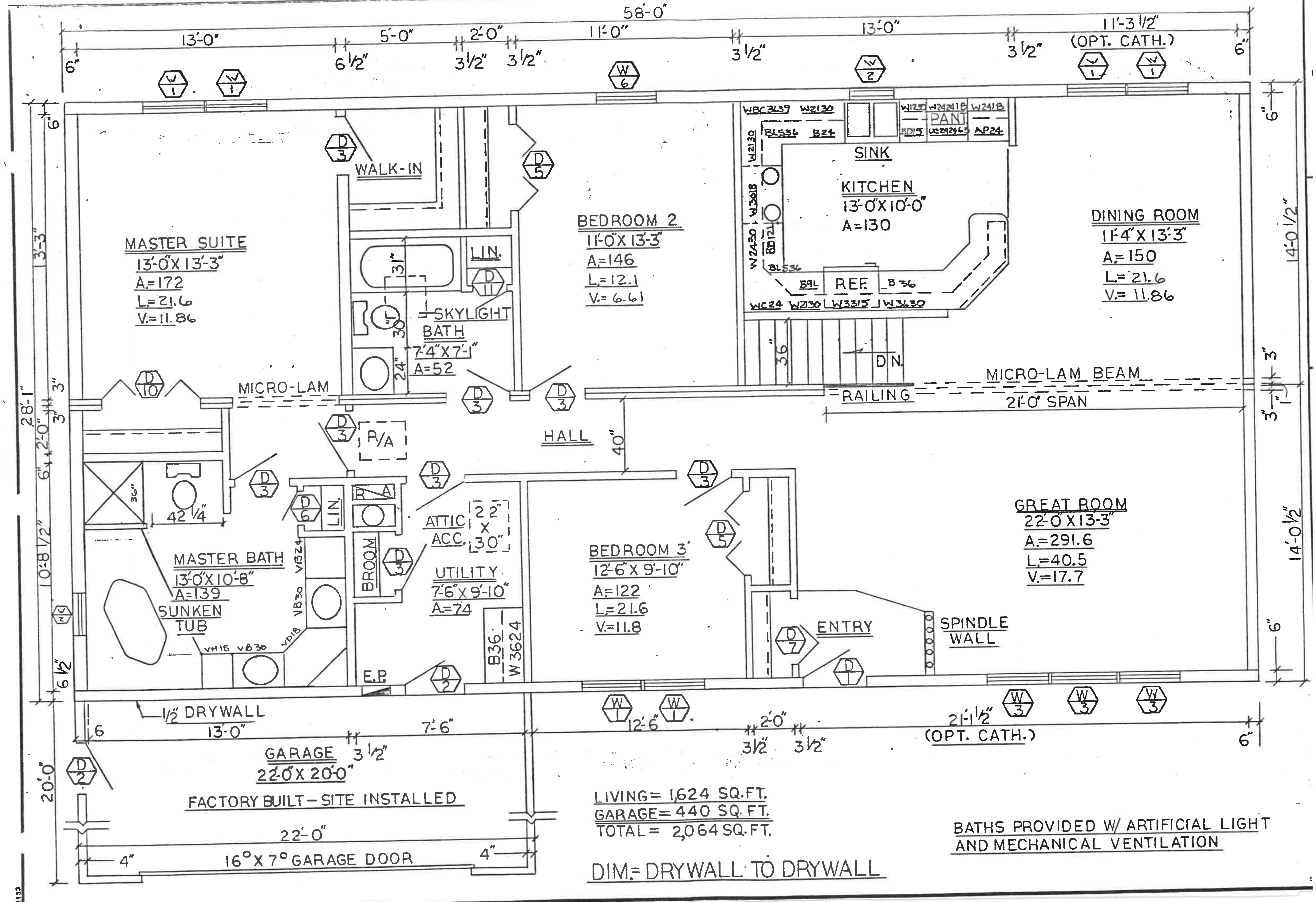
GARAGE SITE INSTALLED BY BLD'R.-DL'R.

RIGHT ELEVATION

65133



58'-0"
13'-0"
5'-0"
2'-0"
11'-0"
13'-0"
11'-3 1/2"
(OPT CATH.)
MASTER SUITE
13'-0"X13'-3"
A=172
L=28
V=28
WALK-IN
BEDROOM 2
11'-0"X13'-3"
A=146
L=13.5
V=5.93
KITCHEN
13'-0"X10'-0"
A=130
SINK
REF.
DINING ROOM
11'-4"X13'-3"
A=150
L=72.6
V=40
SKYLIGHT
BATH
7'-4"X7'-1"
A=52
LIN.
SHELVES
(OPT.) LOG BOX
(OPT.) 2-SIDED FIREPLACE
5/8 GYP.
MICRO-LAM BEAM
21'-0" SPAN
HALL
C.S.
ACC.
R/A
MASTER BATH
13'-0"X10'-8"
A=139
SUNKEN TUB
BROOM
ATTIC ACC.
FURN.
UTILITY
7'-6"X9-10"
A=74
E.P.
STANDARD IS BED
SEE SHEET #6
(OPT.)
DEN
12'-6"X9'-10"
A=122
L=21.6
V=11.8
ENTRY
SPINDLE WALLS
GREAT ROOM
22'-0"X13'-3"
A=291.6
L=40.5
V=17.7
1/2" DRYWALL
(OPT. CATH.)
GARAGE
22'-0"X20'-0"
FACTORY BUILT-SITE INSTALLED
22'-0"
16°X7° GARAGE DOOR
LIVING= 1,624 SQ.FT.
GARAGE= 440 SQ.FT.
TOTAL= 2,064 SQ.FT.
BATHS PROVIDED W/ ARTIFICIAL LIGHT
AND MECHANICAL VENTILATION
DIM.= DRYWALL TO DRYWALL



58'-0"
13'-0"
5'-0"
2'-0"
11'-0"
13'-0"
11'-3 1/2" (OPT. CATH.)
6"
6 1/2"
3 1/2"
3 1/2"
3 1/2"
3 1/2"
6"
WALK-IN
BEDROOM 2
11'-0"X 13'-3"
A=146
L=12.1
V=6.61
KITCHEN
13'-0"X10'-0"
A=130
SINK
REF.
PANT.
DINING ROOM
11'-4" X 13'-3"
A=150
L=21.6
V=11.86
MASTER SUITE
13'-0"X 13'-3"
A=172
L=21.6
V=11.86
LIN.
SKYLIGHT
BATH
7'-4"X7'-1"
A=52
DN.
MICRO-LAM BEAM
RAILING
21'-0" SPAN
MICRO-LAM
HALL
R/A
ATTIC ACC.
22" X 30"
GREAT ROOM
22'-0" X 13'-3"
A=291.6
L=40.5
V=17.7
MASTER BATH
13'-0"X10'-8"
A=139
SUNKEN TUB
LIN.
BROOM
UTILITY
7'-6"X 9'-10"
A=74
BEDROOM 3
12'-6" X 9'-10"
A=122
L=21.6
V=11.8
ENTRY
SPINDLE WALL
E.P.
1/2" DRYWALL
13'-0"
7'-6"
12'-6"
2'-0"
21'-1 1/2" (OPT. CATH.)
GARAGE
22'-0"X 20'-0"
FACTORY BUILT - SITE INSTALLED
22'-0"
16° X 7° GARAGE DOOR
4"
4"
28'-1"
20'-0"
14'-0 1/2"
14'-0 1/2"
LIVING= 1,624 SQ.FT.
GARAGE= 440 SQ.FT.
TOTAL= 2,064 SQ.FT.
DIM.= DRYWALL TO DRYWALL
BATHS PROVIDED W/ ARTIFICIAL LIGHT AND MECHANICAL VENTILATION

58'-0"

48'-4"

FOOTING + PATIO FOR FUTURE DOORWALL

7'-0"

2'-8"

8X16 VENT (TYP.)

10. ALL FOUNDATION WALLS, 8" BLOCK OR POURED CONCRETE W/16x10 REINFORCED CONCRETE FOOTINGS.

8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 2'-0"

9. COLUMNS: CRAWL- 16" BLOCK, BASEMENT W/.217 STEEL COLUMN W/24x24x12, REINFORCED CONCRETE FOOTINGS.

FOOTINGS 16" WIDE X 12" DEEP

28'-1"

48'-1"

64'-5 1/4"

75'-4 1/8"

64'-5 1/4"

24'-0"

8"(TYP)

8. ALL BASEMENT OR CRAWL, ELECTRICAL BY BUILDER/DEALER.

STEP

22'-0"

13'-3"

6'-0"

4'-0"

16'-9"

20'-0"

GARAGE

4" CONC. SLAB

16'-1 1/2"

2-11 1/4"

2-11 1/4"

1. THIS IS A SUGGEST CONSTRUCTION DETAIL. THE FOUNDATION IS THE PRIMARY RESPONSIBILITY OF THE BUILDER/DEALER.
2. FOUNDATION WALLS MUST BE BACKFILLED LEVEL WITH GRADE TO THE FOUNDATION WALL BEFORE UNITS ARE SET. FOUNDATION WALLS MUST BE TEMPORARY BRACED PRIOR TO BACKFILL TO PREVENT COLLAPSE.
3. ALL BASEMENT OR CRAWL CONCRETE WORK & COLUMNS BY BUILDER/DEALER PRIOR TO SETTING OF UNIT. (PER LOCAL REQUIREMENT).
4. BASEMENT FLOOR TO BE 4" CONCRETE SLAB W/6x6 # 10/10 WWF OVER 6 MIL. VAPOR BARRIER OVER 4" PEA GRAVEL.
5. PLACE ½" x 15" ANCHOR BOLTS RECESSED FLUSH W/ TOP OF PLATE, NOT OVER 8'-0" O.C & WITHIN 1'-0" OF THE END OF EACH PLATE.
6. FOR GARAGE DOOR RECESSES, SEE GARAGE DEATIL SHEET
7. STOOP FOUNDATION NOT TO BE OVER 16" ABOVE GRADE OR 4' FROM FOUNDATION WALL IF BUILDER/DEALER CANNOT MEET THESE REQUIREMENTS, HECKAMAN SETTING DEPARTMENT MUST BE NOTIFIED PRIOR TO SETTING DATE.

05133

58'-0"

48'-4"

7'-0"

2'-8"

3'-0" x 1'-6" GALV. CORROGATED STEEL WINDOW WELL (TYP.) BY BUILDER DEALER

#7 Ø $

SUMP PUMP (AS REQ'D) WITH DISCONNECTION SWITCH WITHIN SIGHT OF PUMP BY BUILDER/DEALER.

7 P.C.

10. ALL FOUNDATION WALLS, 8" BLOCK OR POURED CONCRETE W/16x10 REINFORCED CONCRETE FOOTINGS.

7 P.C.

S.D. [7] 8'-0"

$3 UP 7

28'-1"

8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 8'-0" 2'-0"

FURN. #16

7 P.C.

W_H #15

64'-5 1/4"

75'-3 3/8"

64'-5 1/4"

7 P.C.

9. COLUMNS: CRAWL- 16" BLOCK, BASEMENT- W/.217 STEEL COLUMN W/24x24x12, REINFORCED CONCRETE FOOTINGS.

21'-0 1/2"

48'-1"

FOOTINGS 16" WIDE X 12" DEEP

8"(TYP)

8. ALL BASEMENT OR CRAWL, ELECTRICAL BY BUILDER/DEALER.

Not Req.

STEP

22'-0"

13'-3"

6'-0"

16'-9"

20'-0"

GARAGE

4" CONC. SLAB

2-11 1/4" 16'-1 1/2" 2-11 1/4"

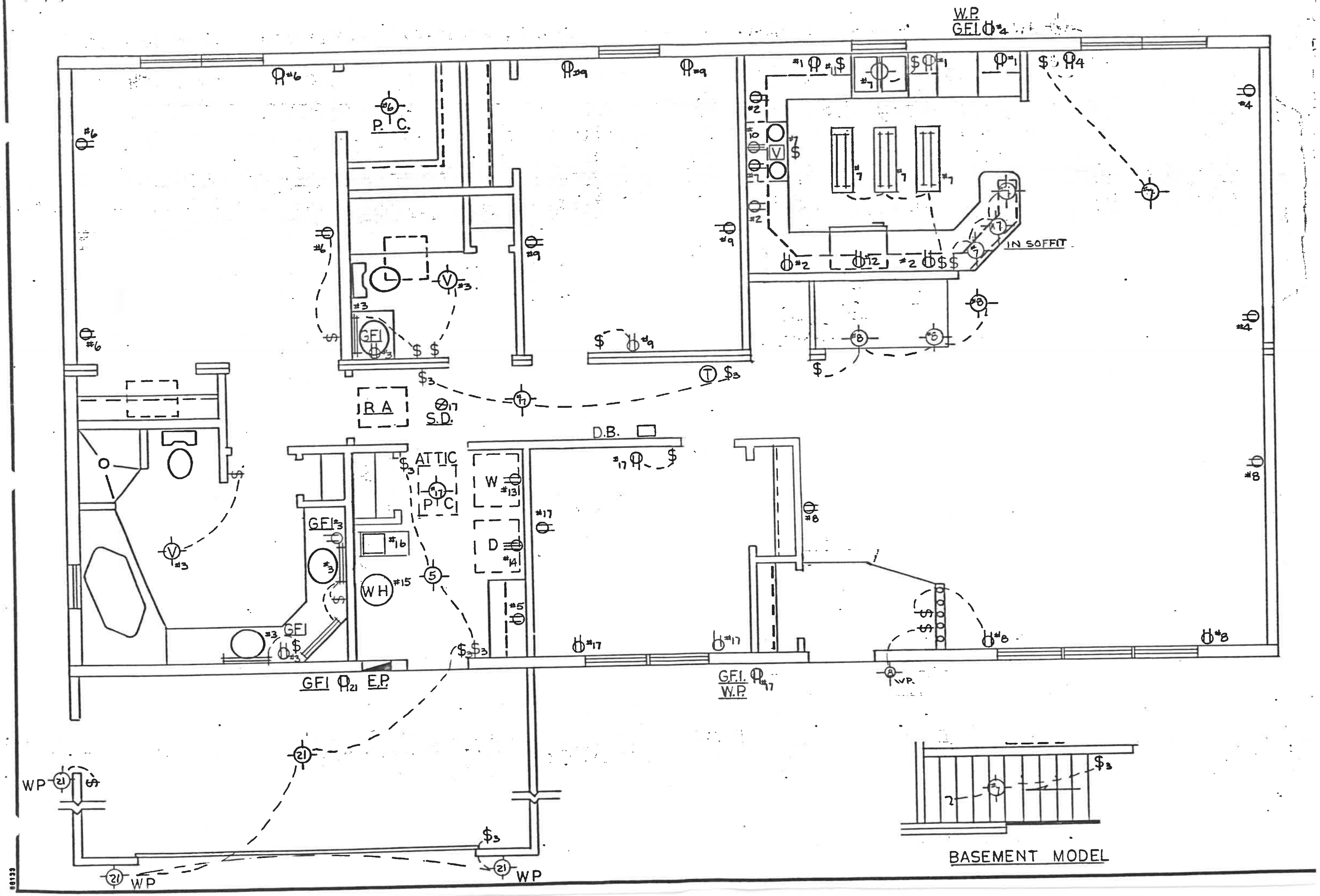
1. THIS IS A SUGGEST CONSTRUCTION DETAIL. THE FOUNDATION IS THE PRIMARY RESPONSIBILITY OF THE BUILDER/DEALER.
2. FOUNDATION WALLS MUST BE BACKFILLED LEVEL WITH GRADE TO THE FOUNDATION WALL BEFORE UNITS ARE SET. FOUNDATION WALLS MUST BE TEMPORARY BRACED PRIOR TO BACKFILL TO PREVENT COLLAPSE.
3. ALL BASEMENT OR CRAWL CONCRETE WORK & COLUMNS BY BUILDER/DEALER PRIOR TO SETTING OF UNIT. (PER LOCAL REQUIREMENT).

4. BASEMENT FLOOR TO BE 4" CONCRETE SLAI W/6x6 # 10/10 WWF OVER 6 MIL. VAPOR BARRIER OVER 4" PEA GRAVEL.
5. PLACE ½" x 15" ANCHOR BOLTS RECESSED FLUSH W/ TOP OF PLATE, NOT OVER 8'-0" O.C & WITHIN 1'-0" OF THE END OF EA PLATE.
6. FOR GARAGE DOOR RECESSES, SEE GARAGE DEATIL SHEET
7. STOOP FOUNDATION NOT TO BE OVER 16" ABOVE GRADE OR 4' FROM FOUNDATION WA IF BUILDER/DEALER CANNOT MEET THESE REQUIREMENTS, HECKAMAN SETTING DEPART MENT MUST BE NOTIFIED PRIOR TO SETTI DATE.

66133

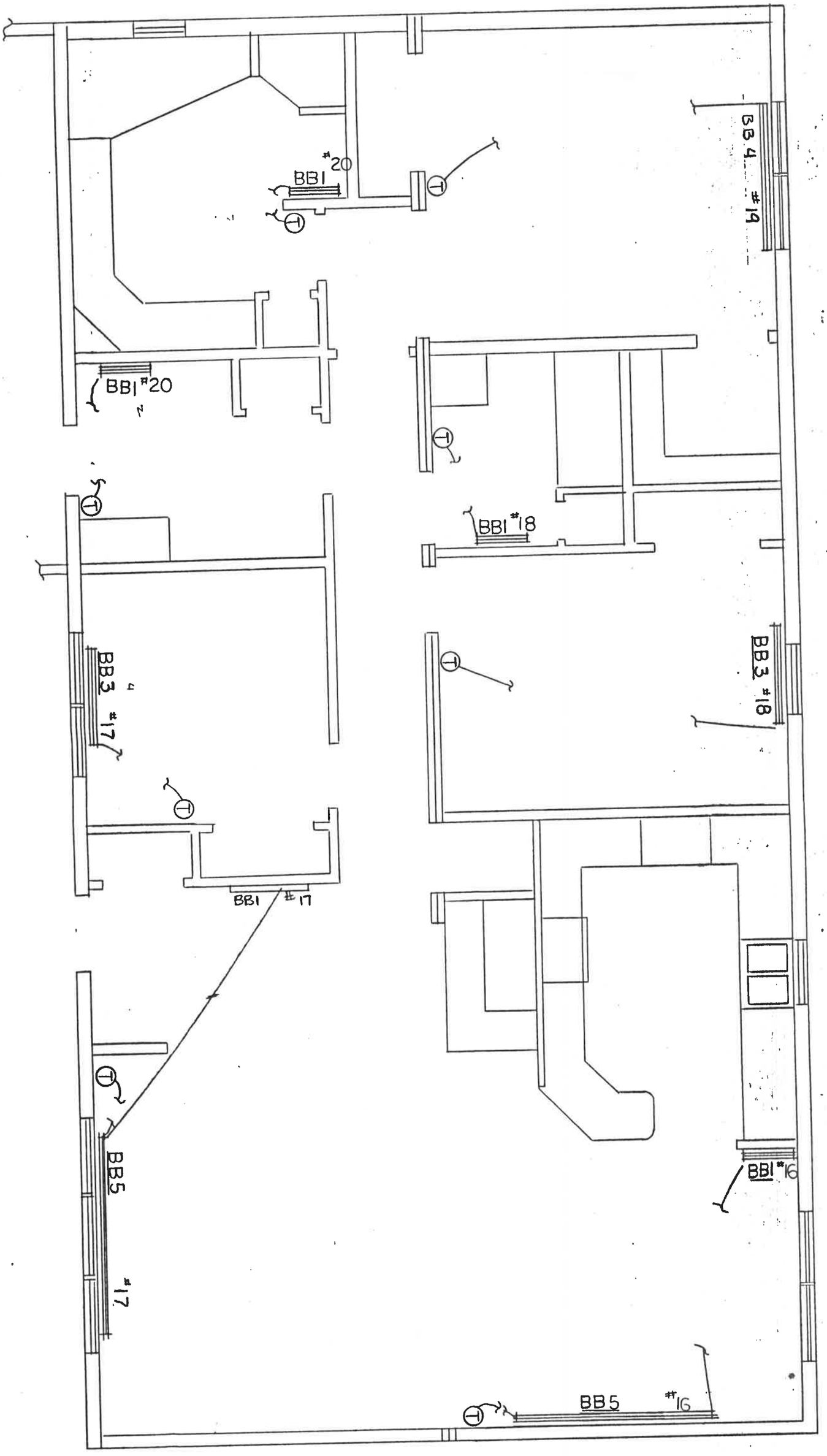
HEAT LOSS (80°)

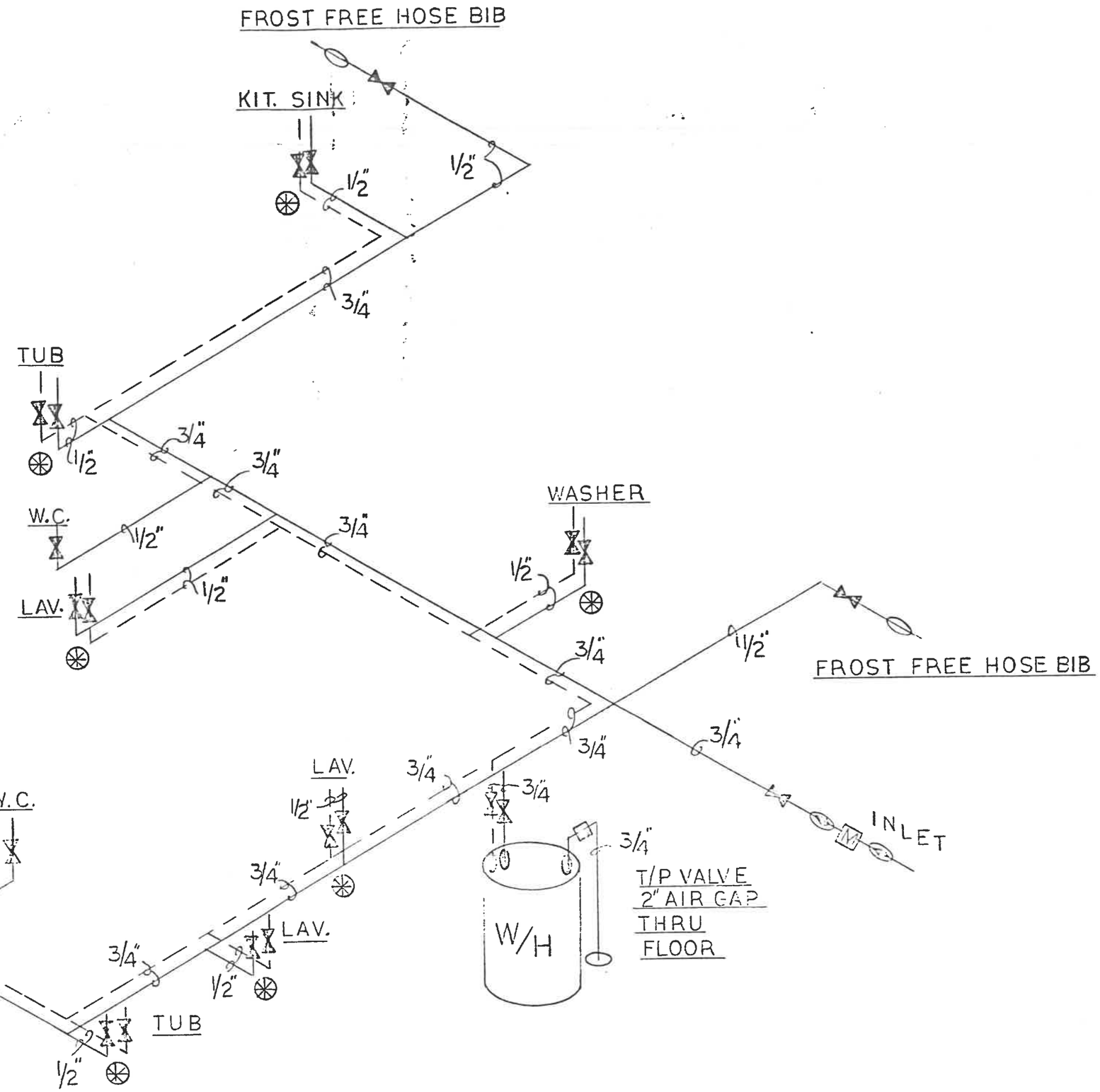
ROOMS (2X6 WALLS)		MULT	GREAT RM		DEN		UTIL.		M. BATH		BEDRM 1		H. BATH		BEDRM 2		KIT / DR					
GROSS EXTERIOR WALL	SQ. FT.	1	304.5		152.7		59.5		221.2		283.4		—		90.4		314.3					
WINDOWS	SQ. FT.	41.8	39.9	1667.8	30	1254	—	—	2	83.6	30	1254	—	—	15	627	37.4	15633				
DOORS (PATIO)	SQ. FT.	39.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.1	160.72				
DOORS (EXTERIOR)	SQ. FT.	9.6	20	192	—	—	20	192	—	—	—	—	—	—	—	—	—	—				
NET EXTERIOR WALLS	SQ. FT.	3.744	244.6	915.8	72.7	272.2	39.5	147.88	219.2	820.6	253.4	947.7	—	—	75.4	282.3	235.6	882.8				
CEILING AREA		2.528	336.9	851.7	179.6	454.5	104.16	263.4	161.7	408.7	276.4	698.7	54	136.5	158.2	399.9	352.9	892.13				
FLOOR AREA		3.8	336.9	1280.2	179.8	683.2	104.16	395.8	161.7	614.46	276.4	1050.3	54	205.2	158.2	601.16	352.9	1341				
INFILTRATION		1.44	2695.8	3851.9	1439	2070.7	833.3	1199.9	1294	1863.4	2211.4	3184.4	432.2	622.5	1265.6	1822.5	2823.	4065.12				
TOTAL HEAT LOSS BTU				8789.4		4734.6		2998.9		7469		7135		964.2		3732.8		8944.5				
WATTS NEEDED				2577.5		1385		644.86		2190		2924		282.7		1094		2623				
WATTS INSTALLED				2500		1500		750		2000		2000		500		1000		2500				



W.P.
GFI
P.C.
IN SOFFIT
R A
S.D.
D.B.
ATTIC
P C
W
D
WH
GFI
GFI
E.P.
G.F.I.
W.P.
WP
WP
WP
BASEMENT MODEL

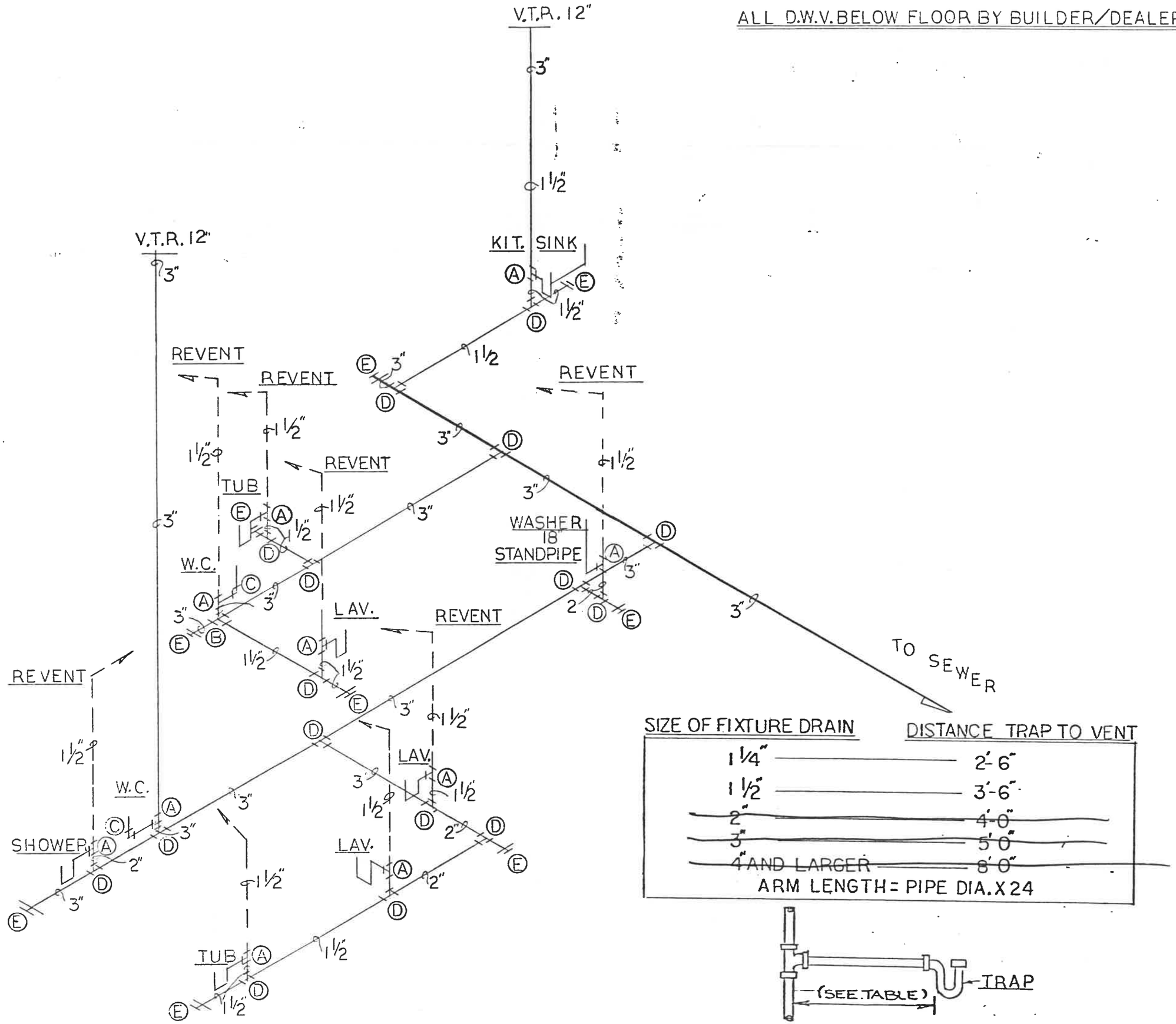
66133


BB1 #20
BB1 #20
BB 4 #19
BB1 #18
BB3 #17
BB1 #17
BB3 #18
BB5
#17
BB1 #16
BB5 #16


FROST FREE HOSE BIB
KIT. SINK
1/2"
1/2"
3/4"
TUB
1/2"
3/4"
3/4"
W.C.
1/2"
3/4"
LAV.
1/2"
WASHER
1/2"
3/4"
1 1/2"
FROST FREE HOSE BIB
3/4"
3/4"
LAV.
3/4"
3/4"
W.C.
SHOWER
1/2"
1/2"
3/4"
LAV.
3/4"
1/2"
3/4"
TUB
1/2"
3/4"
T/P VALVE
2" AIR GAP
THRU
FLOOR
W/H
INLET

66133

ALL D.W.V. BELOW FLOOR BY BUILDER/DEALER



SIZE OF FIXTURE DRAIN	DISTANCE TRAP TO VENT
1¼"	2'-6"
1½"	3'-6"
2"	4'-0"
3"	5'-0"
4" AND LARGER	8'-0"

ARM LENGTH = PIPE DIA. X 24

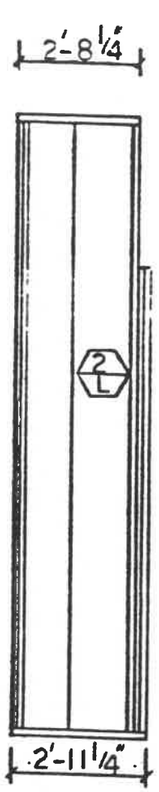
66133

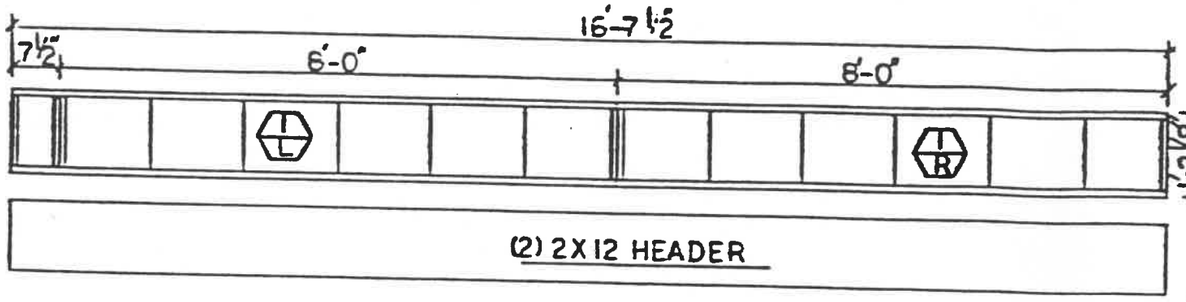
ALL STUDS - 16" O.C.

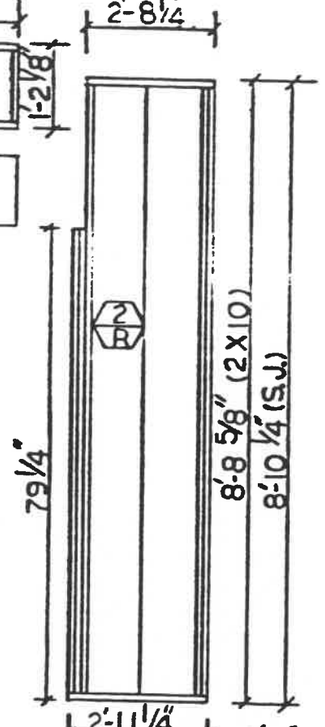
16'-DOOR

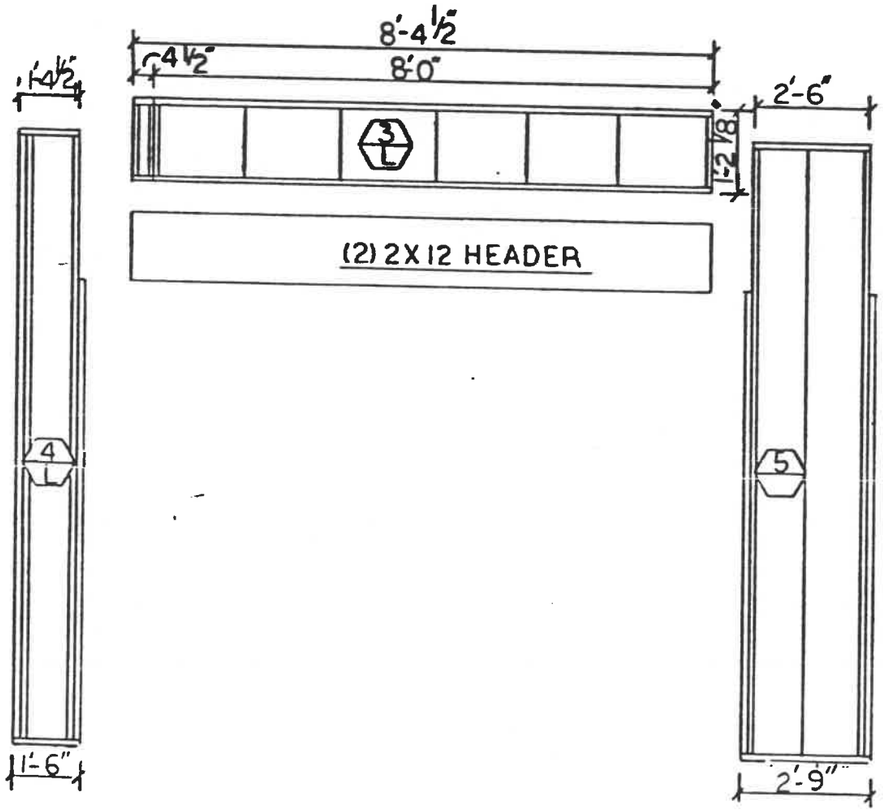
22'-0" O.A.

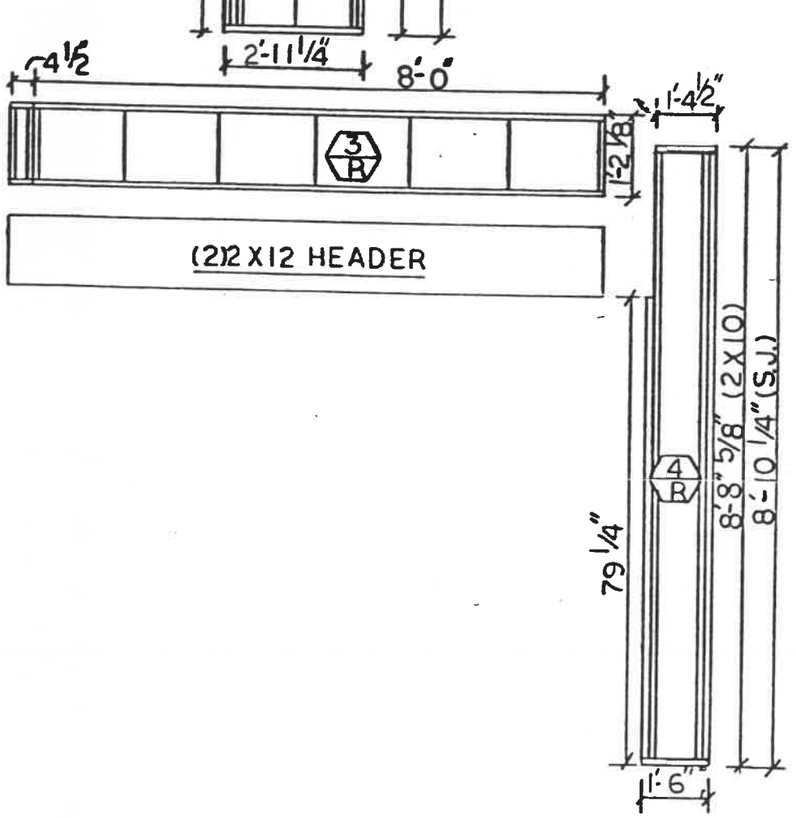
(2)8'-DOORS











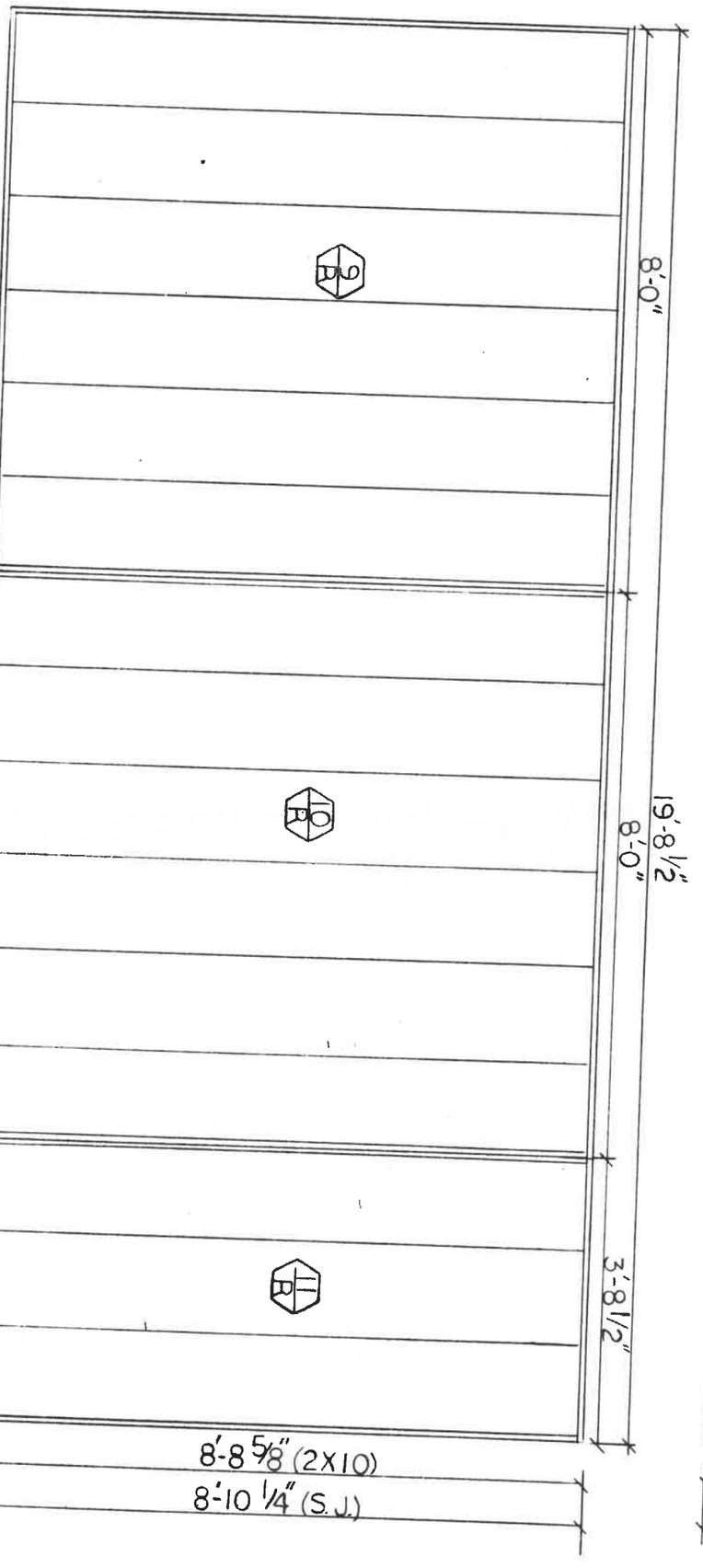
MODEL: HERMITAGE
DATE: 8-29-85
SCALE: 1/2"-1'0"
SHEET: 1 OF 2
DR. BY: T W
DRWG. NO. 44000

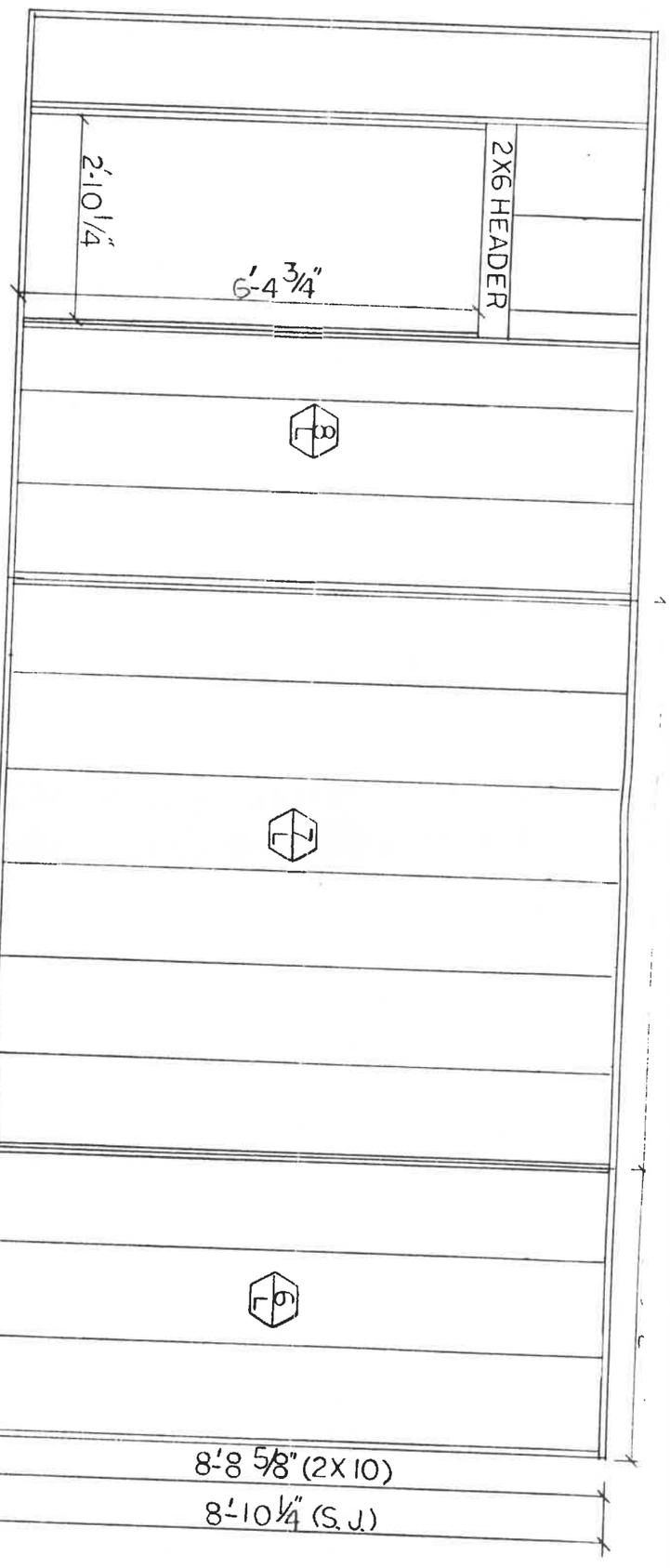
REVISIONS:

22' GARAGE FRONTS

CRAFTECH BUILDING SYSTEMS, INC.
D/B/A HECHAMAN HOMES
NAPPANEE, IND. 46550

FRONT





FRONT

SIDE PANELS	REVISIONS:	MODEL: HERMITAGE	DATE: 9-4
CRAFTECH BUILDING SYSTEMS, INC.		SCALE:	SHEET:

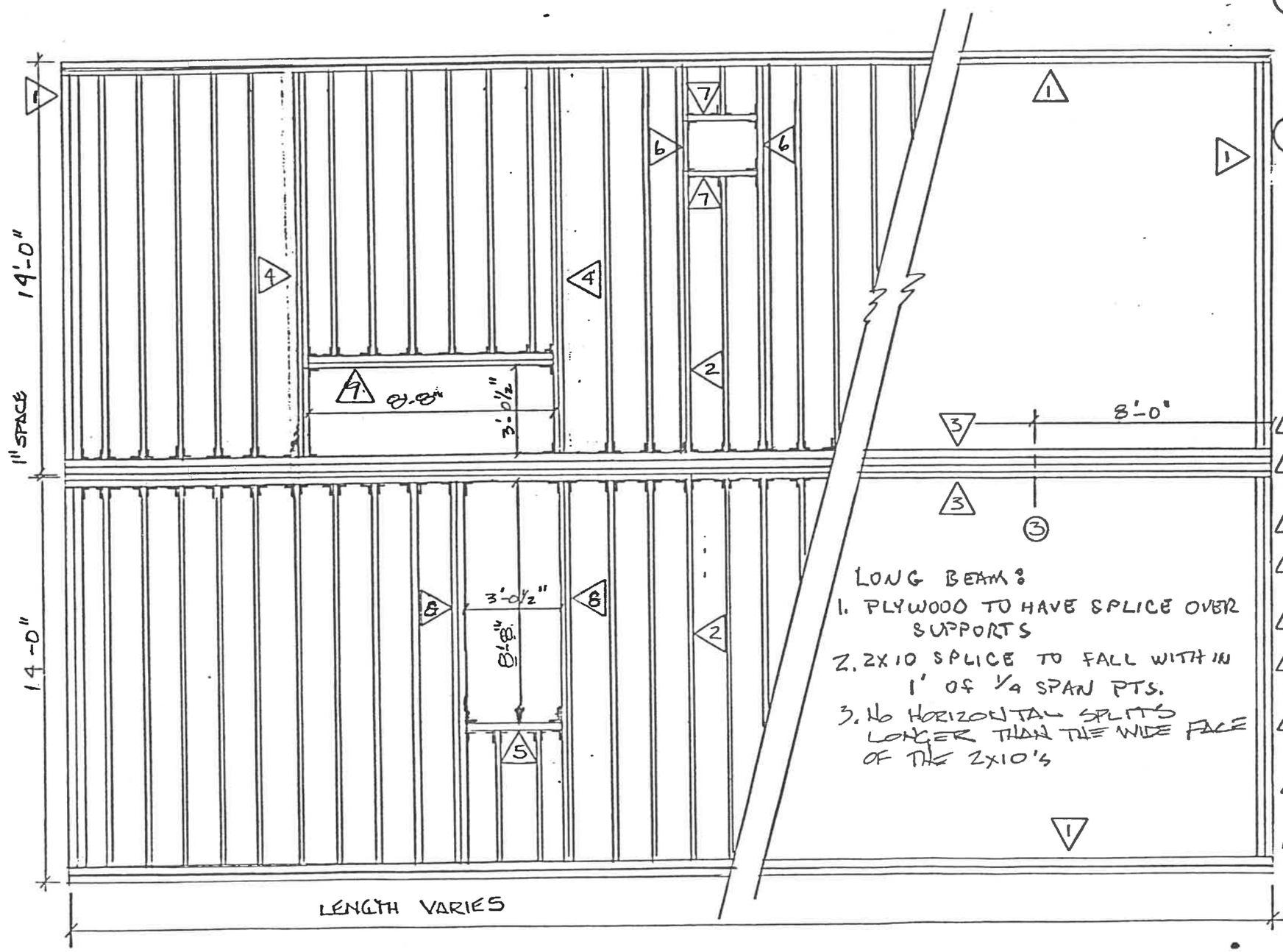
TYPICAL SHEETS

FOR 28 WIDE ONE STORY MODELS

INDEX

NOTES:

1. OPENINGS ARE FOR TYPICAL FRAMING. LOCATIONS MAY VARY.
2. FLOOR DECKING 5/8" T&G PLYWOOD OR WAFERWOOD 'STURDI-FLOR' APA RATED FOR SPAN. 20" O.C.
3. SPLICES @ CONNECTING RIM JOIST MUST OCCUR OVER COLUMN LINE W/ 5/8" ϕ x 9" LAG BOLTS & WASHER BOTH SIDES @ 8'-0" OC MAX.
4. RIM JOIST & LONG BEAM TO HAVE 3/4" STRUCTURAL GRADE PLYWOOD APA RATED 48/24 OR BETTER, GLUED AND STAPLED BETWEEN 2-2x10 #1 SP KD. APPROX. 6" OC IN "W" PATTERN FULL LENGTH (SENCO HEAVY DUTY 2" -0272K-.034). SEE SHEET #6.
5. TYPICAL HANGER, 475# CAP.



REFERENCE:

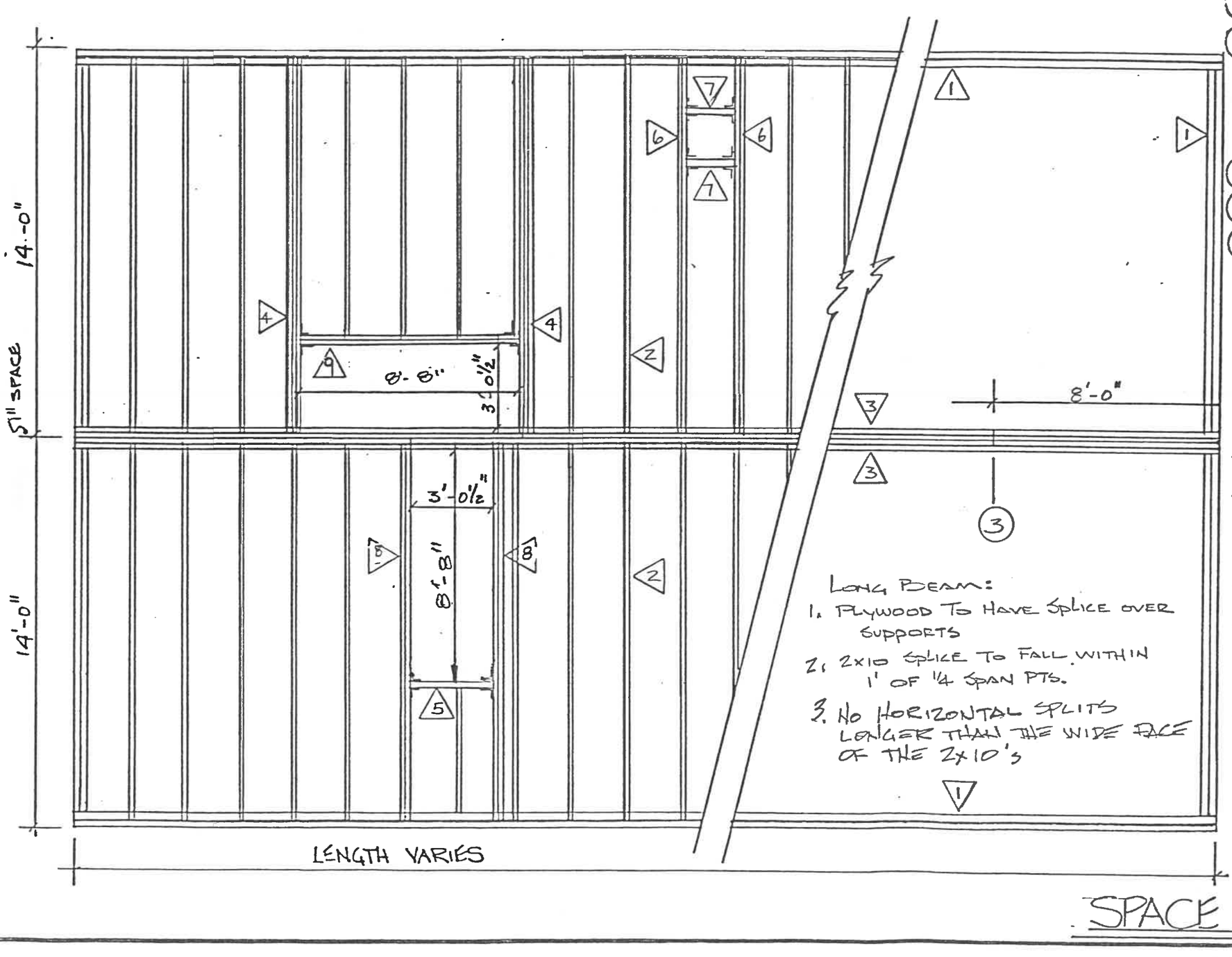
1. RIM JOIST (2) 2x10 - SPF #2 ALT. # 2 HEM FIR
2. FLOOR JOIST @ 16" oc 2x10 SPF #2 - ALT. HEM FIR #2.
3. LONG BEAM (2) 2x10 S-Y-P #1 KD (15% MC) W/ 3/4" PLYWD. SEE NOTE #4 ABOVE
4. JOIST @ STAIR - (2) 2x10 HEM FIR #2. OR SPF #2
5. HEADER @ STAIRS - HEM FIR #2 (1) 2x10 OR SPF #2
6. JOIST @ CRAWL ACCESS (MIN. OPENING 18x24) 2-2x10 HEM FIR #2. OR SPF #2
7. HEADER @ CRAWL ACCESS 2x10 SPF #2 OR HEM FIR #2.
8. JOIST @ STAIR 2-2x10 HEM FIR #2 OR S-P-F #2
9. (2) 2x10 #2 SPF

STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER
9/2005

FLOOR FRAMING

73063

NOTE: 2x6 STRONG BACK REQUIRED FOR SPANS OVER 12'0". SEE PAGE 12 FOR RECOMMENDED INSTALLATION.



NOTES:

1. OPENINGS ARE FOR TYPICAL FRAMING. LOCATIONS MAY VARY.
2. FLOOR DECKING 3/4" T&G PLYWOOD OR WAFERWOOD 'STURDI-FLOR' APA RATED FOR SPAN. 24" O.C.
3. SPLICES @ CONNECTING RIM JOIST MUST OCCUR OVER COLUMN LINE W/ 5/8" ϕ X 9" LAG BOLTS & WASHER BOTH SIDES @ 6'-0" OC MAX.
4. SPACE JOIST FASTENED W/4-10D NAILS
5. RIM JOIST & LONG BEAM TO HAVE 3/4" STURTURAL GRADE PLYWOOD APA RATED 48/24 OR BETTER, GLUED AND STAPLED BETWEEN 2-2x10 #1 SYP KD 2 BYS APPROX. 6" OC IN "W" PATTERN FULL LENGTH (SENCO HEAVY DUTY 2" -0272K-.034). SEE SHEET #6.
6. TYPICAL HANGER, 475# CAP.
7. FOR MANUFACTURER SPECIFICATIONS SEE SHEET #4 & 5.
8. NO LATERAL BRACING INSTALLED

STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER
5/29/05

REFERENCE:

1. RIM JOIST (2) 2x10 - 1SPF #2 ALT #2 HEM FIR
2. SPACE JOIST @ 24" OC 2x4x10 3/4 HEM FIR #2 FOR ALT. SPECIES SEE SHEET # 5 & 4.
3. LONG BEAM (2) S-Y-P #1 KD (15%) W/ 3/4" PLYWD. SEE NOTE #5 ABOVE
4. JOIST @ STAIR - (3) SPACE JOIST
5. HEADER @ STAIR - (1) 2x10 HEM FIR #2 OR SPF #2
6. JOIST @ CRAWL ACCESS (MIN. OPENING 18x24) 2-SPACE JOIST.
7. HEADER @ CRAWL ACCESS 2x10 SPF #2 OR HEM FIR #2.
8. JOIST @ STAIR 2 SPACE JOIST
9. (2) 2x10 #2 SPF

SPACE JOIST FLOOR FRAMING

THESE PLANS ARE PROPRIETARY

73983

G E N E R A L N O T E S

SPACEJOIST IS APPROVED UNDER THE FOLLOWING NUMBERS:
BOCA RESEARCH REPORT NO. 81-52.
FHA STRUCTURAL ENGINEERING BULLETIN NO. 916 REV.
SBCC RESEARCH AND COMPLIANCE REPORT NO. 8307

MEMBER FORCES FROM LEFT TO RIGHT:

TOP CHORD		BOTTOM CHORD		WEBS			REACTIONS	
T 1=	-749	B 1=	0	W 1=	-735	W10= 0	REACTION @ 9=	735
T 2=	-2105	B 2=	1567	W 2=	979	W11= -319	REACTION @ 18=	735
T 3=	-2895	B 3=	2643	W 3=	-1032	W12= 319		
T 4=	-3148	B 4=	3148	W 4=	679	W13= -679		
T 5=	-2895	B 5=	3148	W 5=	-679	W14= 679		
T 6=	-2105	B 6=	3148	W 6=	319	W15= -1032		
T 7=	-749	B 7=	2643	W 7=	-319	W16= 979		
		B 8=	1567	W 8=	0	W17= -735		
		B 9=	0	W 9=	0			

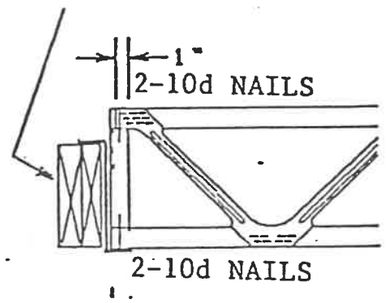
MATERIAL SPECIFICATIONS

CHORDS: 4 x 2 #2 DRY/KD19 SOUTHERN PINE
#1 SPRUCE PINE FIR
#2 HEM-FIR

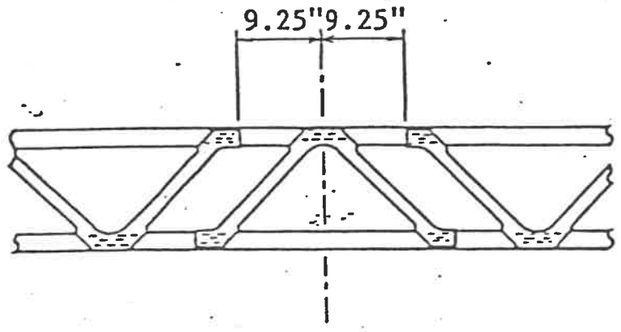
WEBS: 10V20 SPACEJOIST

VERTICALS: 4 x 2 #3 OR STUD S. PINE, S-P-F, OR HEM-FIR

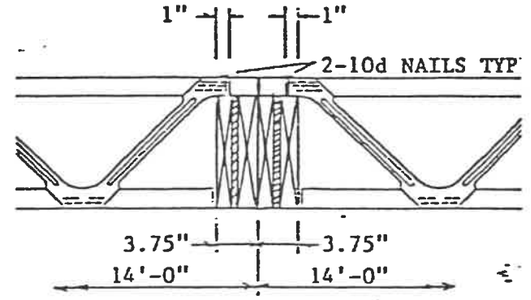
PLATES: 1-1 (1" x 1") TRUSWAL MODEL 20



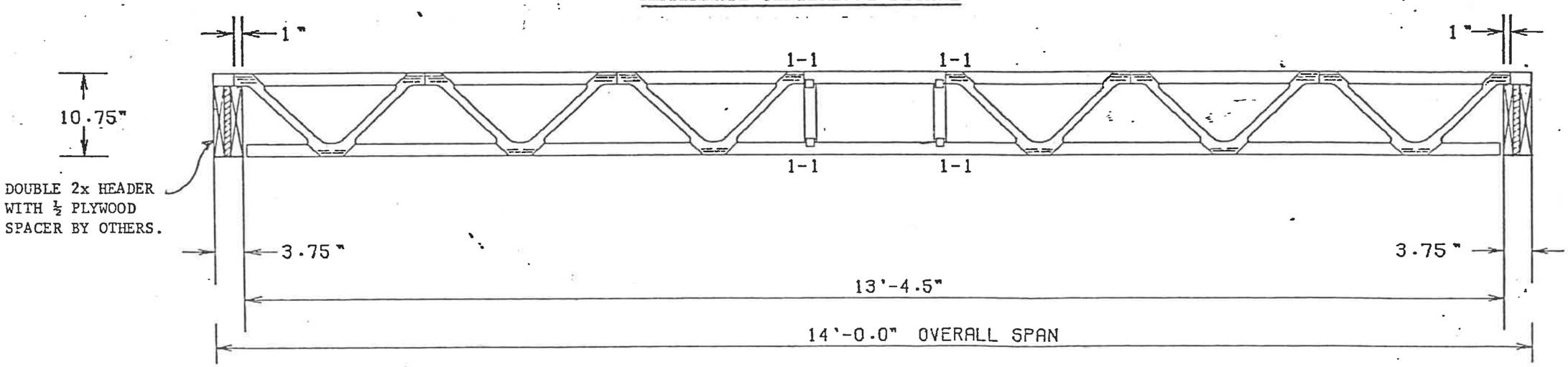
ALTERNATE BEARING DETAIL



ALTERNATE CENTERLINE DETAIL



ALTERNATE INTERIOR BEARING DETAIL



TRUSWAL SYSTEMS SPACEJOIST WEBS ARE FORMED FROM 20 GAGE, HOT-DIPPED GALVANIZED (ASTM A 446) GRADE A STEEL. TRUSSES SHALL BE FABRICATED IN STRICT ACCORDANCE WITH THE TRUSS DESIGN FROM ACCURATELY CUT WOOD MEMBERS CLAMPED IN RIGID FIXTURES DURING ASSEMBLY TO INSURE UNIFORMITY IN COMPLETED TRUSS UNITS. SPACEJOIST WEBS ARE TO BE APPLIED TO BOTH SIDES OF THE SPACEJOIST UNIT AND ARE TO BE PRESSED INTO THE WOODEN MEMBERS SO THAT FULL PENETRATION OF THE TEETH IS OBTAINED WITHOUT CRUSHING THE OUTER SURFACE OF THE WOOD. THE TOP CHORD IS ASSUMED TO BE LATERALLY BRACED BY THE FLOOR OR ROOF SHEATHING. THE BOTTOM IS ASSUMED TO BE LATERALLY BRACED IF A RIGID CEILING MATERIAL IS ATTACHED DIRECTLY TO THE BOTTOM CHORD. IN OTHER CASES THE BOTTOM CHORD IS TO BE LATERALLY BRACED AT INTERVALS NOT EXCEEDING 10'-0" O.C. TO DAMPEN RESIDUAL VIBRATION, WHICH IS COMMON TO ALL FRAMING SYSTEMS, AND TO PROVIDE FOR LOAD SHARING BETWEEN TRUSSES. 2X6 STRONGBACK BRIDGING IS RECOMMENDED AT 10'-0" O.C. FOR ALL FLOOR SPANS OVER 12'-0" AND AT 15'-0" O.C. FOR [illegible] ROOF SPANS OVER 16'-0". 2X4 STRONGBACK BRIDGING MAY BE USED IN SPACEJOISTS CONSTRUCTED WITH 8V20 OR [illegible] WEBS. FOR ADDITIONAL INFORMATION CONCERNING BRACING AND STRONGBACK BRIDGING, REFER TO: DESIGN [illegible]IFICATIONS FOR METAL PLATE CONNECTED PARALLEL CHORD WOOD TRUSSES, PCT-80, BY THE TRUSS PLATE INSTITUTE. [illegible]RE CONFUSION MAY EXIST CONCERNING PROPER FIELD ERECTION, CLEARLY MARK ALL INTERIOR BEARING LOCATIONS, CANTILEVERS, AND THE CHORDS OF THE TRUSS TO PREVENT IMPROPER INSTALLATION. IT IS THE RESPONSIBILITY OF OTHERS TO ASCERTAIN THAT THE DESIGN LOADS UTILIZED ON THIS DRAWING MEET OR EXCEED THE ACTUAL DEAD LOADS IMPOSED BY THE STRUCTURE AND LIVE LOADS IMPOSED BY THE LOCAL BUILDING CODE OR HISTORICAL CLIMATIC RECORDS.

LIVE LOAD....	40.0 p.s.f.
DEAD LOAD....	10.0 p.s.f.
CEILING D.L..	5.0 p.s.f.
TOTAL	55.0 p.s.f.

0 % DURATION FACTOR

TRUSWAL SYSTEMS
8525 STERLING ST.
SUITE 150
IRVING, TX 75063

SPAN	CODE	SPACING	DATE
14'-0.0"	TPI	24" O.C.	6/7/85

A SPACEJOIST® DESIGN

L3571

TIM LA CHAPELLE

414

G E N E R A L N O T E S

SPACEJOIST IS APPROVED UNDER THE FOLLOWING NUMBERS:
BOCA RESEARCH REPORT NO. 81-52.
FHA STRUCTURAL ENGINEERING BULLETIN NO. 916 REV.
SBCC RESEARCH AND COMPLIANCE REPORT NO. 8307

SPECIAL NOTE: THIS TRUSS IS DESIGNED TO SUPPORT ONE OF THE SPECIFIED LOADS ONLY. CENTER 2x10 BLOCK UNDER LOCATION OF LOAD. PLACE TRUSS ADJACENT TO COMMON TRUSS IN ORDER TO SUPPORT UNIFORM LOAD.

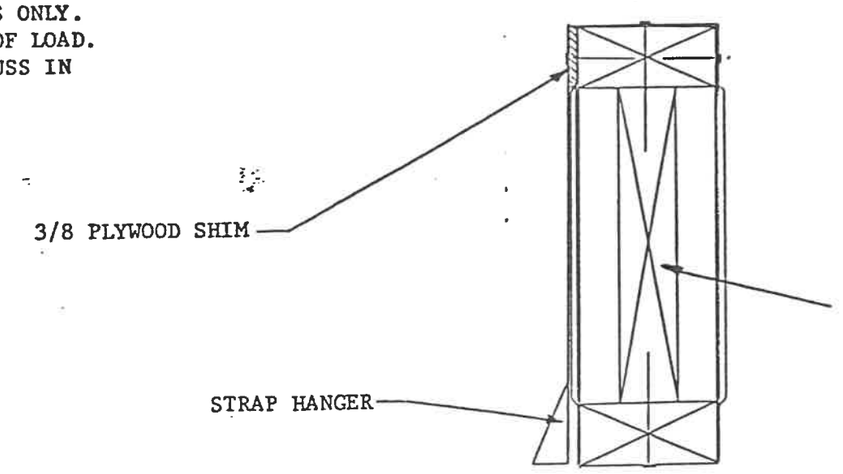
MATERIAL SPECIFICATIONS

CHORDS: 4 x 2 #2 DRY/KD19 SOUTHERN PINE
#1 SPRUCE PINE FIR
#2 HEM-FIR

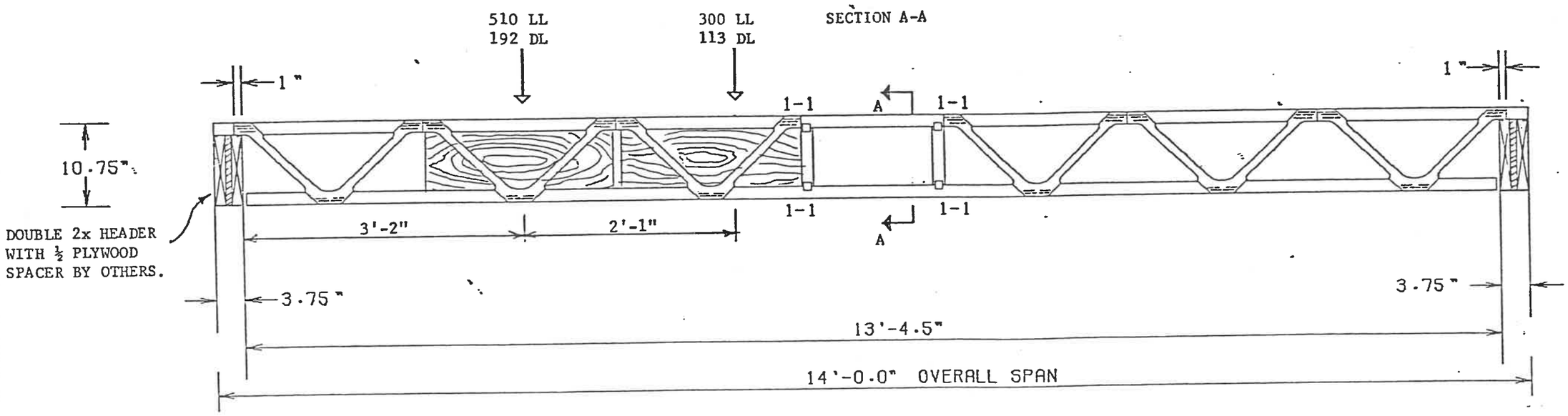
WEBS: 10V20 SPACEJOIST

VERTICALS: 4 x 2 #3 OR STUD S. PINE, S-P-F, OR HEM-FIR

PLATES: 1-1 (1" x 1") TRUSWAL MODEL 20



SECTION A-A



TRUSWAL SYSTEMS SPACEJOIST WEBS ARE FORMED FROM 20 GAGE. HOT-DIPPED GALVANIZED (ASTM A 446) GRADE A STEEL. TRUSSES SHALL BE FABRICATED IN STRICT ACCORDANCE WITH THE TRUSS DESIGN FROM ACCURATELY CUT WOOD MEMBERS CLAMPED IN RIGID FIXTURES DURING ASSEMBLY TO INSURE UNIFORMITY IN COMPLETED TRUSS UNITS. SPACEJOIST WEBS ARE TO BE APPLIED TO BOTH SIDES OF THE SPACEJOIST UNIT AND ARE TO BE PRESSED INTO THE WOODEN MEMBERS SO THAT FULL PENETRATION OF THE TEETH IS OBTAINED WITHOUT CRUSHING THE OUTER SURFACE OF THE WOOD. THE TOP CHORD IS ASSUMED TO BE LATERALLY BRACED BY THE FLOOR OR ROOF SHEATHING. THE BOTTOM IS ASSUMED TO BE LATERALLY BRACED IF A RIGID CEILING MATERIAL IS ATTACHED DIRECTLY TO THE BOTTOM CHORD. IN OTHER CASES THE BOTTOM CHORD IS TO BE LATERALLY BRACED AT INTERVALS NOT EXCEEDING 10'-0" O.C. TO DAMPEN RESIDUAL VIBRATION, WHICH IS COMMON TO ALL FRAMING SYSTEMS, AND TO PROVIDE FOR LOAD SHARING BETWEEN TRUSSES. 2X6 STRONGBACK BRIDGING IS RECOMMENDED AT 10'-0" O.C. FOR ALL FLOOR SPANS OVER 12'-0" AND AT 15'-0" O.C. FOR ALL ROOF SPANS OVER 16'-0". 2X4 STRONGBACK BRIDGING MAY BE USED IN SPACEJOISTS CONSTRUCTED WITH 8V20 OR 9V20 WEBS. FOR ADDITIONAL INFORMATION CONCERNING BRACING AND STRONGBACK BRIDGING, REFER TO: DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED PARALLEL CHORD WOOD TRUSSES, PCT-80, BY THE TRUSS PLATE INSTITUTE. WHERE CONFUSION MAY EXIST CONCERNING PROPER FIELD ERECTION, CLEARLY MARK ALL INTERIOR BEARING LOCATIONS, CANTILEVERS, AND THE CHORDS OF THE TRUSS TO PREVENT IMPROPER INSTALLATION. IT IS THE RESPONSIBILITY OF OTHERS TO ASCERTAIN THAT THE DESIGN LOADS UTILIZED ON THIS DRAWING MEET OR EXCEED THE ACTUAL DEAD LOADS IMPOSED BY THE STRUCTURE AND LIVE LOADS IMPOSED BY THE LOCAL BUILDING CODE OR HISTORICAL CLIMATIC RECORDS.

LIVE LOAD....	40.0 p.s.f.
DEAD LOAD....	10.0 p.s.f.
CEILING D.L..	5.0 p.s.f.
TOTAL	55.0 p.s.f.

0 % DURATION FACTOR

TRUSWAL SYSTEMS

8925 STERLING ST.
SUITE 150
IRVING, TX 75063

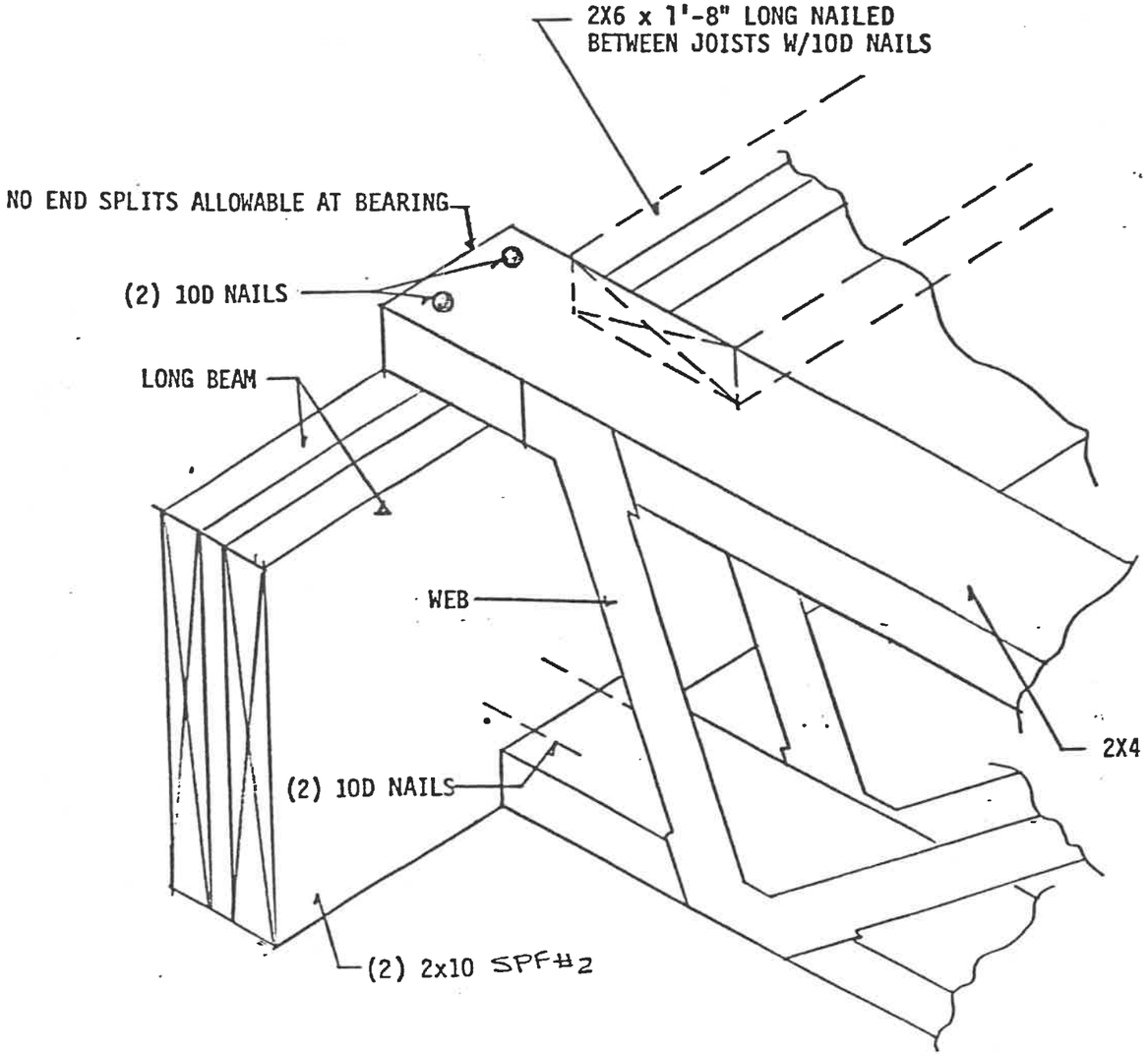
TIM LA CHAPELLE

SPAN	CODE	SPACING	DATE
14'-0.0"	TPI	0.0" O.C.	6/7/85

A SPACEJOIST® DESIGN

L3570

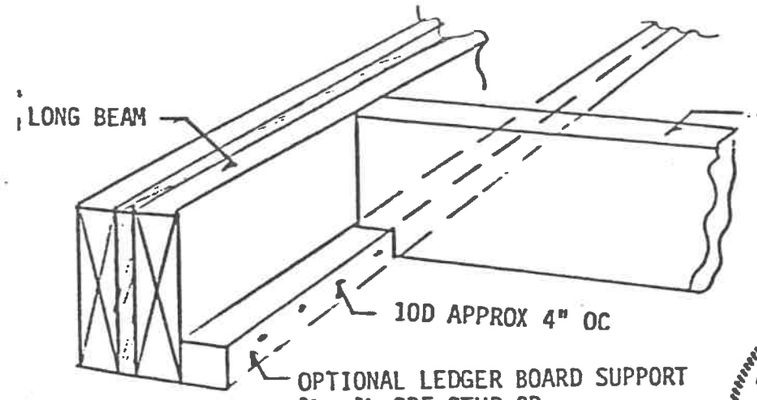
411



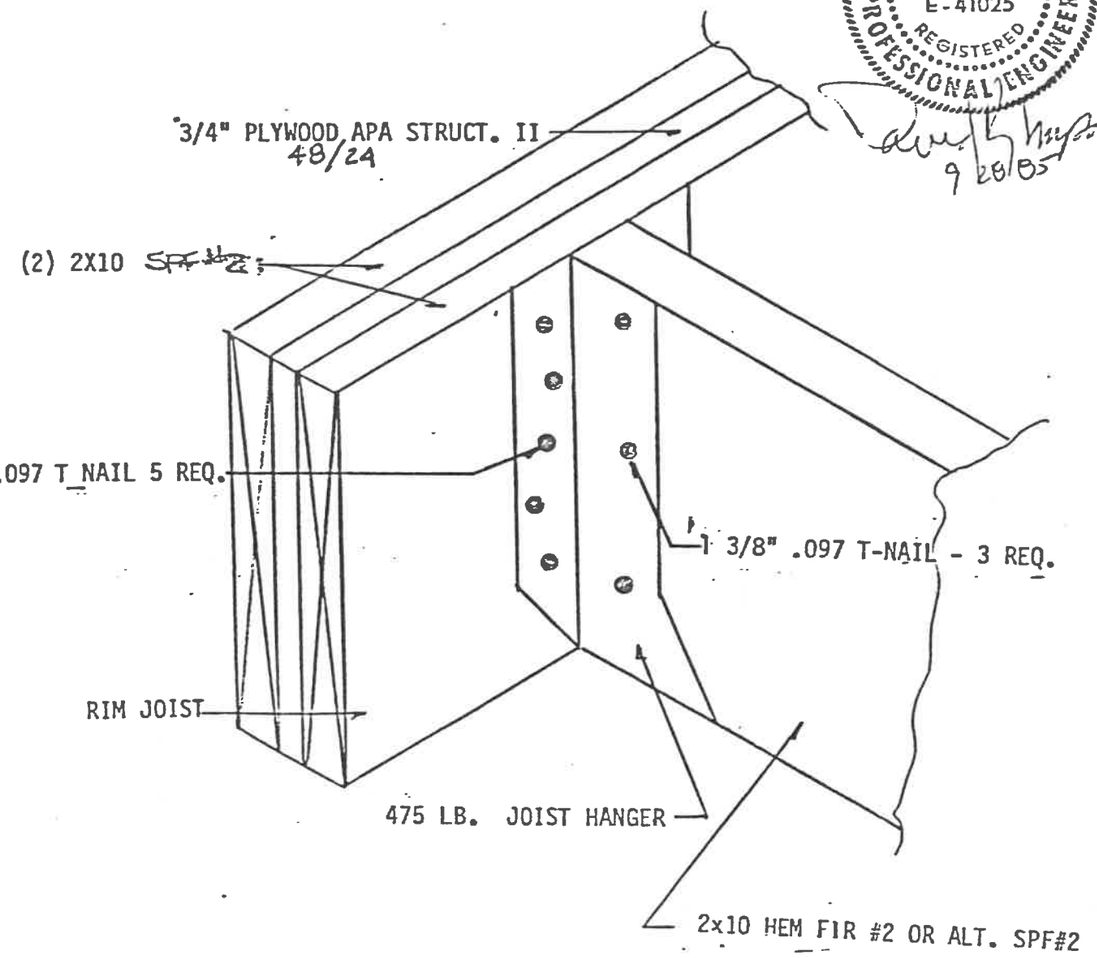
OPT. 10¾" SPACE JOISTS

SPACED 24" OC FOR 28' WIDE HOUSE
SEE SHEET #3

NOTE: 2x6 STRONG BACK REQUIRED FOR SPANS OVER 12'0". SEE PAGE 12 FOR RECOMMENDED INSTALLATION.



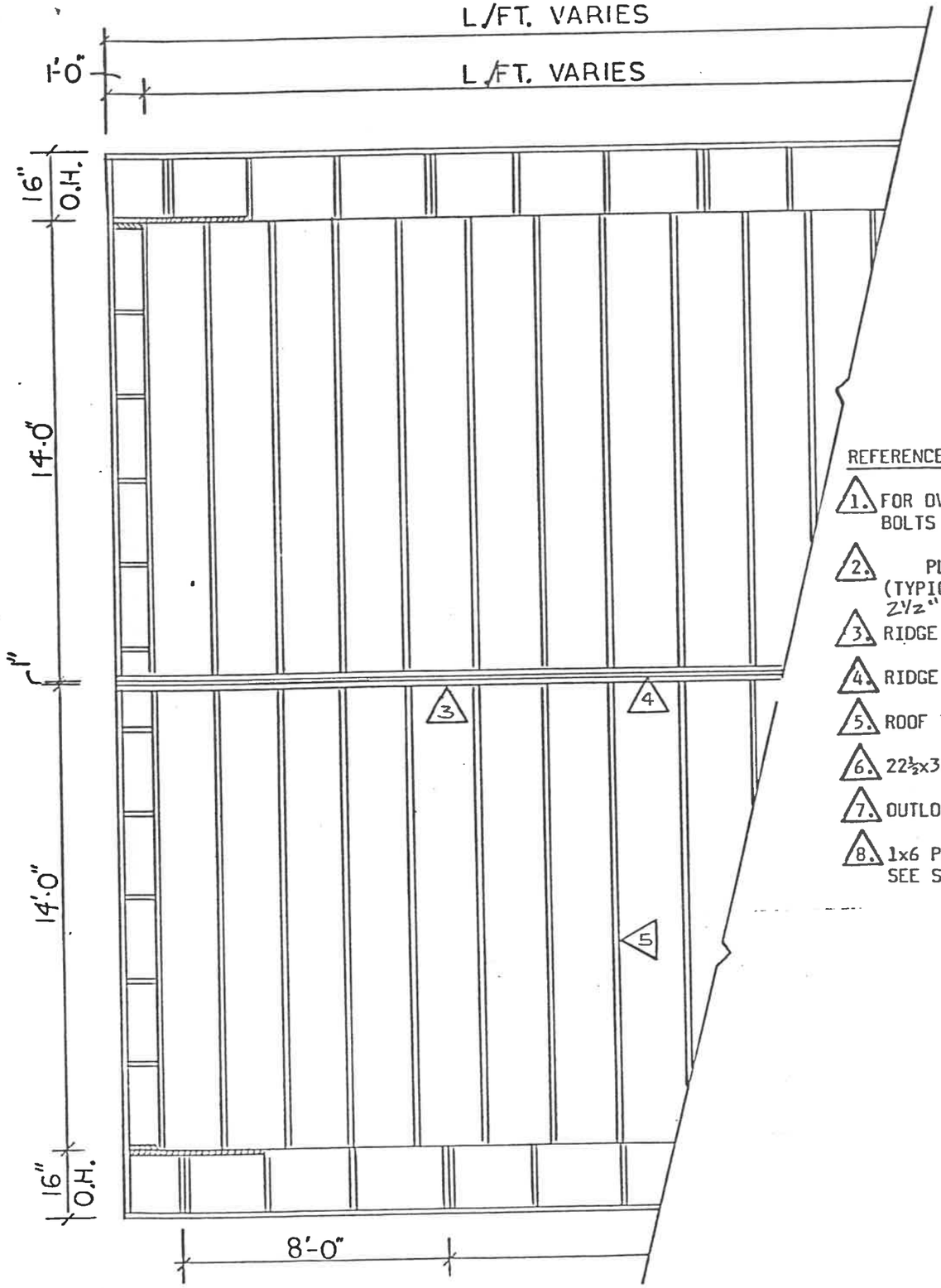
STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED PROFESSIONAL ENGINEER
9/28/05



STANDARD CONSTRUCTION

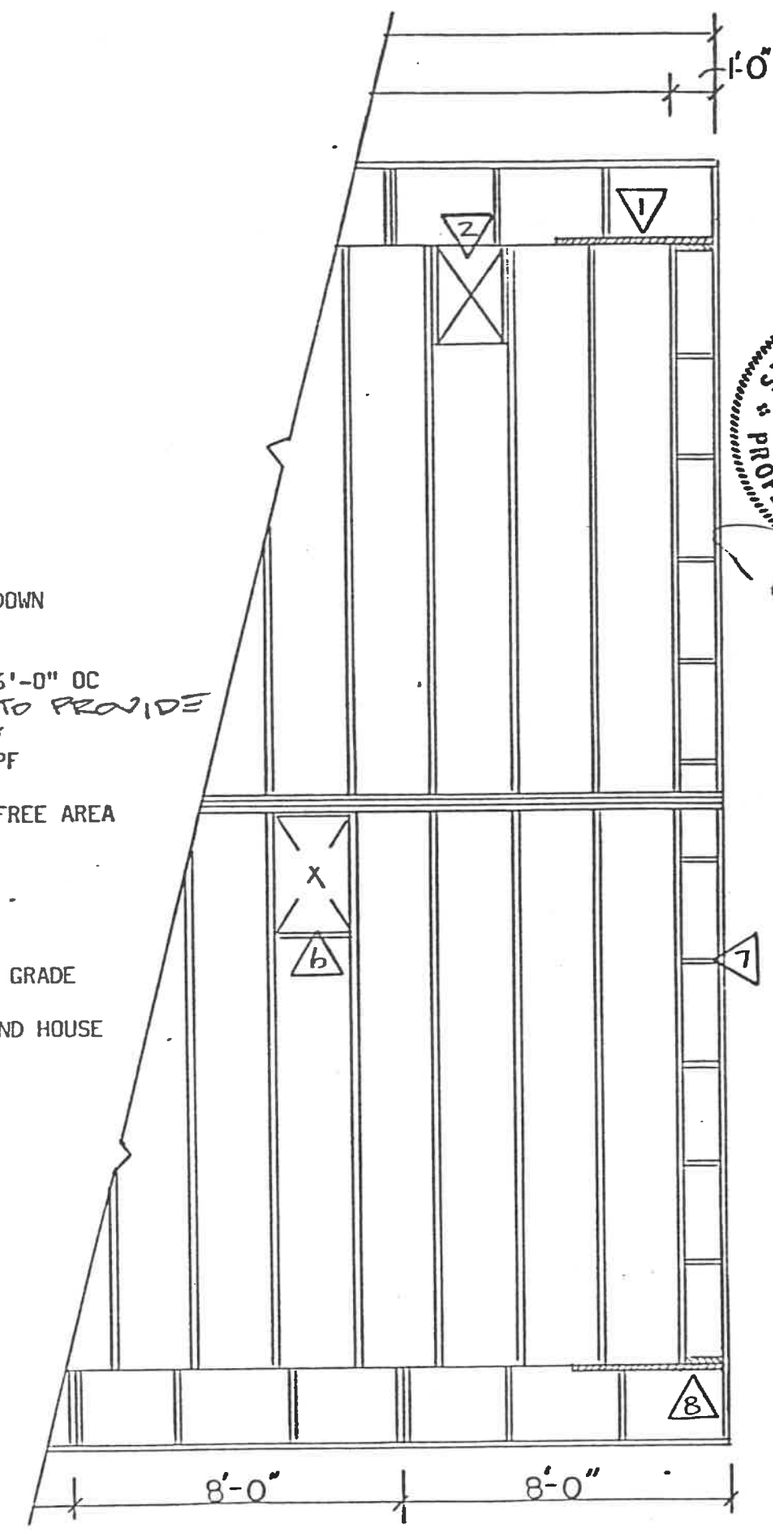
2X10 FLOOR JOIST FOR 28" WIDE HOUSES
SEE SHEET #2

73063



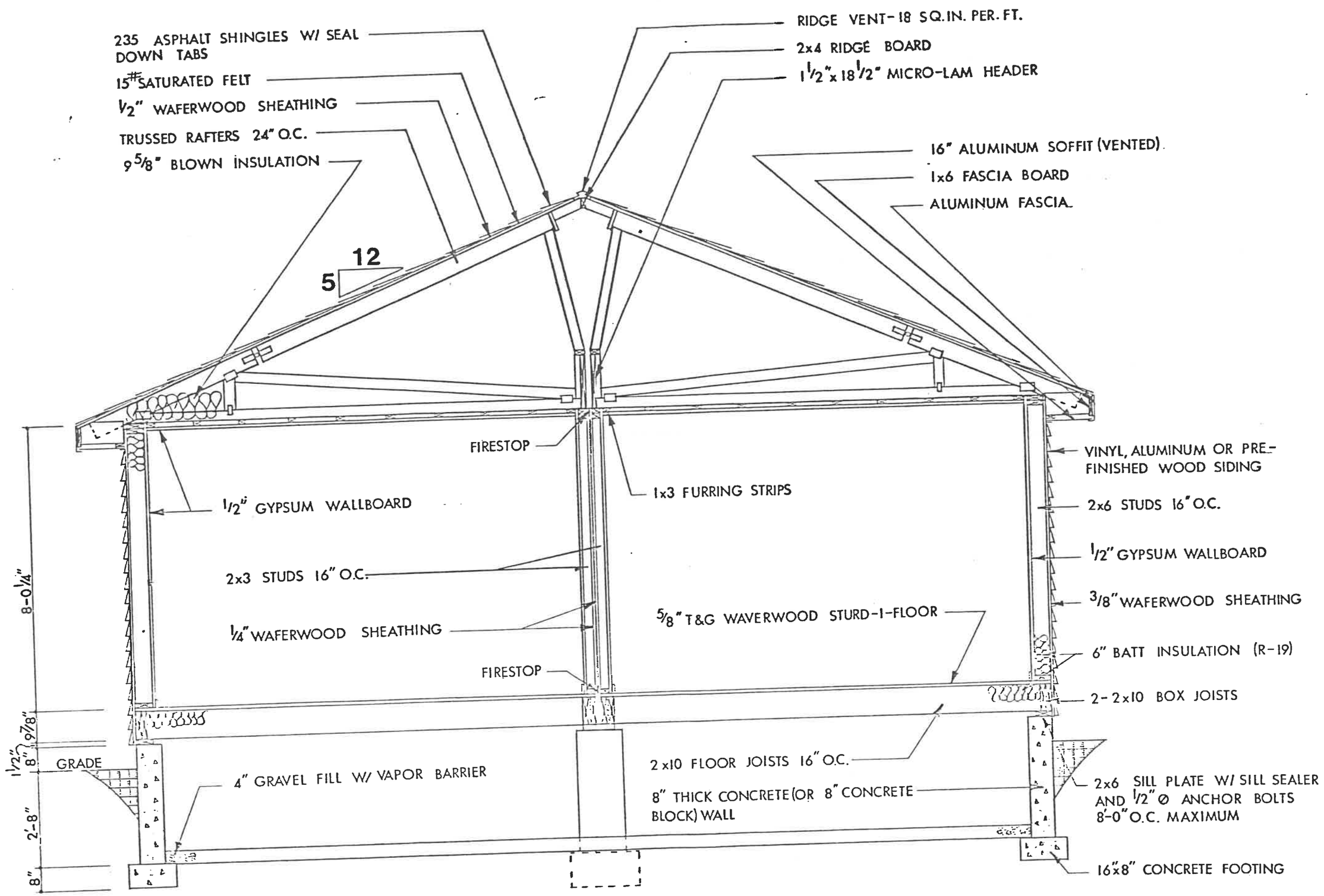
REFERENCE:

1. FOR OVERHANG DETAILS & HOLD DOWN BOLTS REFER TO SHEET #12..
2. PLYWOOD BAFFLE 22x30" @ 6'-0" OC (TYPICAL ATTIC VENTILATION) TO PROVIDE 2½" FREE AIR SPACE
3. RIDGE BOARD 2x4 STUD GRADE SPF
4. RIDGE VENT W/18 SQ. IN./FT. FREE AREA
5. ROOF TRUSSES @ 24" OC
6. 22½x30 ATTIC ACCESS
7. OUTLOOKERS 3'-0" OC 2x4 STUD GRADE
8. 1x6 PLYWOOD EXTENDS 12" BEYOND HOUSE SEE SHEET #27.



STATE OF OHIO
DAVID R
TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER
9/28/05

73003


235 ASPHALT SHINGLES W/ SEAL DOWN TABS
15# SATURATED FELT
1/2" WAFERWOOD SHEATHING
TRUSSED RAFTERS 24" O.C.
9 5/8" BLOWN INSULATION
5
12
RIDGE VENT - 18 SQ.IN. PER. FT.
2x4 RIDGE BOARD
1 1/2" x 18 1/2" MICRO-LAM HEADER
16" ALUMINUM SOFFIT (VENTED)
1x6 FASCIA BOARD
ALUMINUM FASCIA
FIRESTOP
1/2" GYPSUM WALLBOARD
1x3 FURRING STRIPS
VINYL, ALUMINUM OR PRE-FINISHED WOOD SIDING
2x6 STUDS 16" O.C.
1/2" GYPSUM WALLBOARD
2x3 STUDS 16" O.C.
3/8" WAFERWOOD SHEATHING
1/4" WAFERWOOD SHEATHING
5/8" T&G WAVERWOOD STURD-I-FLOOR
6" BATT INSULATION (R-19)
FIRESTOP
2 - 2x10 BOX JOISTS
8'-0 1/4"
1 1/2"
8"
9 7/8"
GRADE
2'-8"
8"
4" GRAVEL FILL W/ VAPOR BARRIER
2x10 FLOOR JOISTS 16" O.C.
8" THICK CONCRETE (OR 8" CONCRETE BLOCK) WALL
2x6 SILL PLATE W/ SILL SEALER AND 1/2" Ø ANCHOR BOLTS 8'-0" O.C. MAXIMUM
16"x8" CONCRETE FOOTING

66133

97,046

JOB. ECKMAN HOMES CLP

TOP CHORD	2X6	SPF	#2, EXCEPT AS SHOWN
BOT CHORD	2X4	SPF	#2, EXCEPT AS SHOWN
WEBS	2X4	SPF	#3 OR STUD

NO WANE OR KNOTS SHALL OCCUR IN THE PLATE CONTACT AREA.

ALL PLATES ARE TO BE CENTERED ON THE JOINT, LEFT TO RIGHT AND TOP TO BOTTOM, EXCEPT WHEN LOCATED BY CIRCLE OR DIMENSION. SEE DRAWING 130 FOR "PLATE LOCATIONS ON TYPICAL JOINTS."

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

B1: 2X4 SO. PINE #2 KD 15% REQUIRED FOR 14-0-0 SPAN

++++PROVIDE HANGER OR SPECIAL CONNECTION FOR 626# REACTION.

* 1X4 #3 HEM-FIR OR BETTER CONTINUOUS LATERAL BRACING TO BE EQUALLY SPACED. ATTACH WITH (2) 8D NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

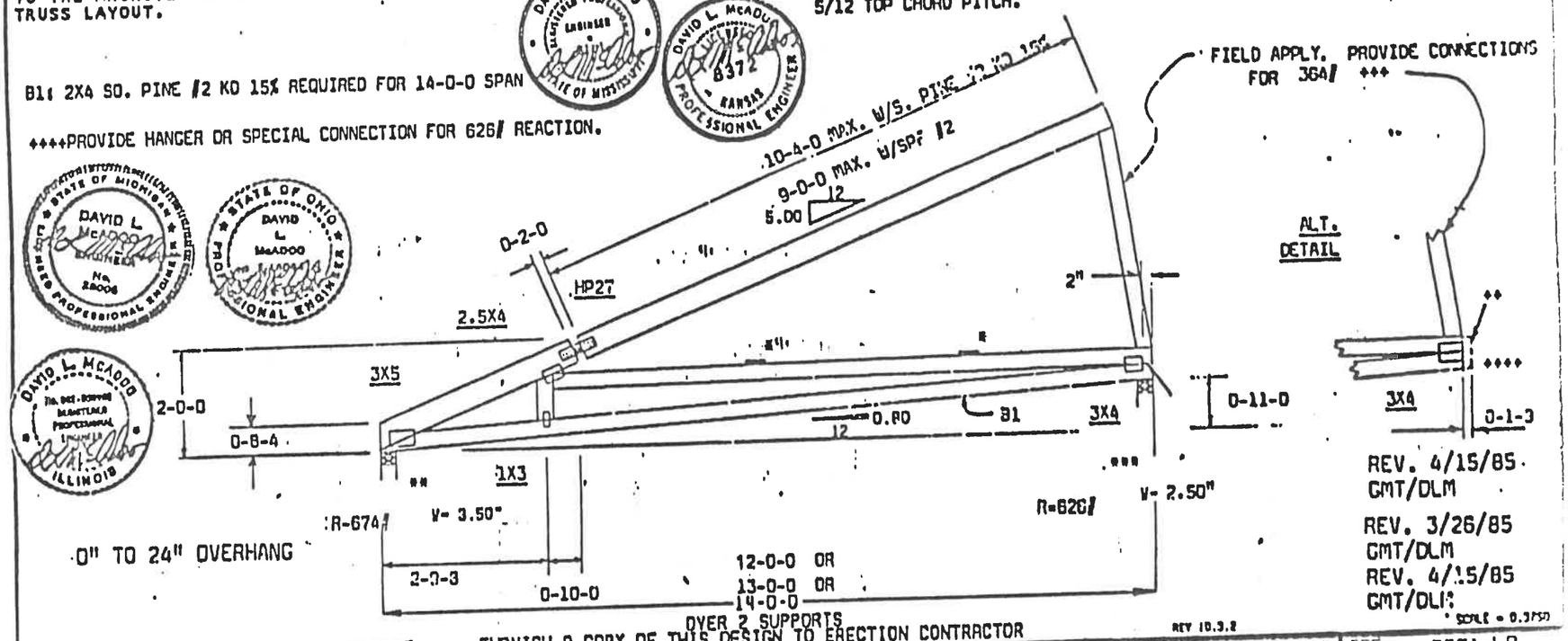
** PROVIDE CONNECTION FOR 838# TO RESIST SLIDING OF MEMBER.

*** SHIM TO SOLID BEARING.

+4" SCARF CUT ON DIAGONAL WEB.

++RIP 1½" FROM END, AFTER TRUSS IS FABRICATED.

+++LENGTH OF FIELD APPLIED MEMBER WILL VARY WITH LENGTH OF TRUSS TO MAINTAIN 5/12 TOP CHORD PITCH.



REV. 4/15/85 GMT/DLM

REV. 3/26/85 GMT/DLM

REV. 4/15/85 GMT/DLM

SCALE = 0.375"

PLATE TYPE--ALPINE SEON--753935 FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR REV 10.3.2

ALPINE TRUSS

IMPORTANT ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THESE SPECIFICATIONS OR ANY DEVIATION FROM THIS DESIGN OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE "QUALITY CONTROL MANUAL" BY TPI. ALPINE CONNECTORS ARE MANUFACTURED FROM 20 GAUGE GALVANIZED STEEL UNLESS OTHERWISE SHOWN, MEETING REQUIREMENTS OF ASTM A446 GRADE A. APPLY CONNECTORS TO BOTH FACES AT EACH JOINT AND LOCATE AS SHOWN. BEARING WIDTHS ARE 4" NOMINAL UNLESS OTHERWISE SHOWN. DESIGN STRESSES CONFORM WITH APPLICABLE PROVISIONS OF NDS-82 AND *TPI-78 OR PCI-77 (LIFTING).

WARNING TRUSSES REQUIRE EXTREME CARE IN HANDLING, ERECTION AND BRACING. SEE "BET-78", BRACING WOOD TRUSSES (COMMENTARY AND RECOMMENDATIONS-*TPI). SEE THIS DESIGN FOR ADDITIONAL SPECIAL PERMANENT BRACING REQUIREMENTS. UNLESS OTHERWISE SHOWN, TOP CHORD SHALL BE LATERALLY BRACED WITH PROPERLY ATTACHED PLYWOOD SHEATHING, BOTTOM CHORD WITH RIGID CEILING OR BRACING AS SPECIFIED ON DESIGN. DO NOT USE THIS DESIGN WITH FIRE RETARDANT TREATED LUMBER.

***TPI = TRUSS PLATE INSTITUTE, NDS = NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION

DESIGN CRIT PPSAII	
TC LL	30.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
TOT.LD.	50.0 PSF
DUR.FAC.	1.15
SPACING	24.0"

REF	8551 LR
DATE	01/11/85
DRWG.	97,046
TX-ENG	RRM/GWH/DLM
O/A LEN.	14-0-0
PITCH	5.0/12
TYPE	HINGED-MON

TOP CHORD	2X6	SPF	#2, EXCEPT AS SHOWN
BOT CHORD	2X4	SPF	#2, EXCEPT AS SHOWN
WEBS	2X4	SPF	#3 OR STUD

NO WANE OR KNOTS SHALL OCCUR IN THE PLATE CONTACT AREA.

ALL PLATES ARE TO BE CENTERED ON THE JOINT, LEFT TO RIGHT AND TOP TO BOTTOM, EXCEPT WHEN LOCATED BY CIRCLE OR DIMENSION. SEE DRAWING 130 FOR "PLATE LOCATIONS ON TYPICAL JOINTS."

B1: 2X4 SO. PINE #2kd 15% REQUIRED FOR 14-0-0 SPAN.

+RIP 1½" FROM END, AFTER TRUSS IS FABRICATED.

++2X4 TO BE 2" NET WIDTH AFTER MODIFICATION.

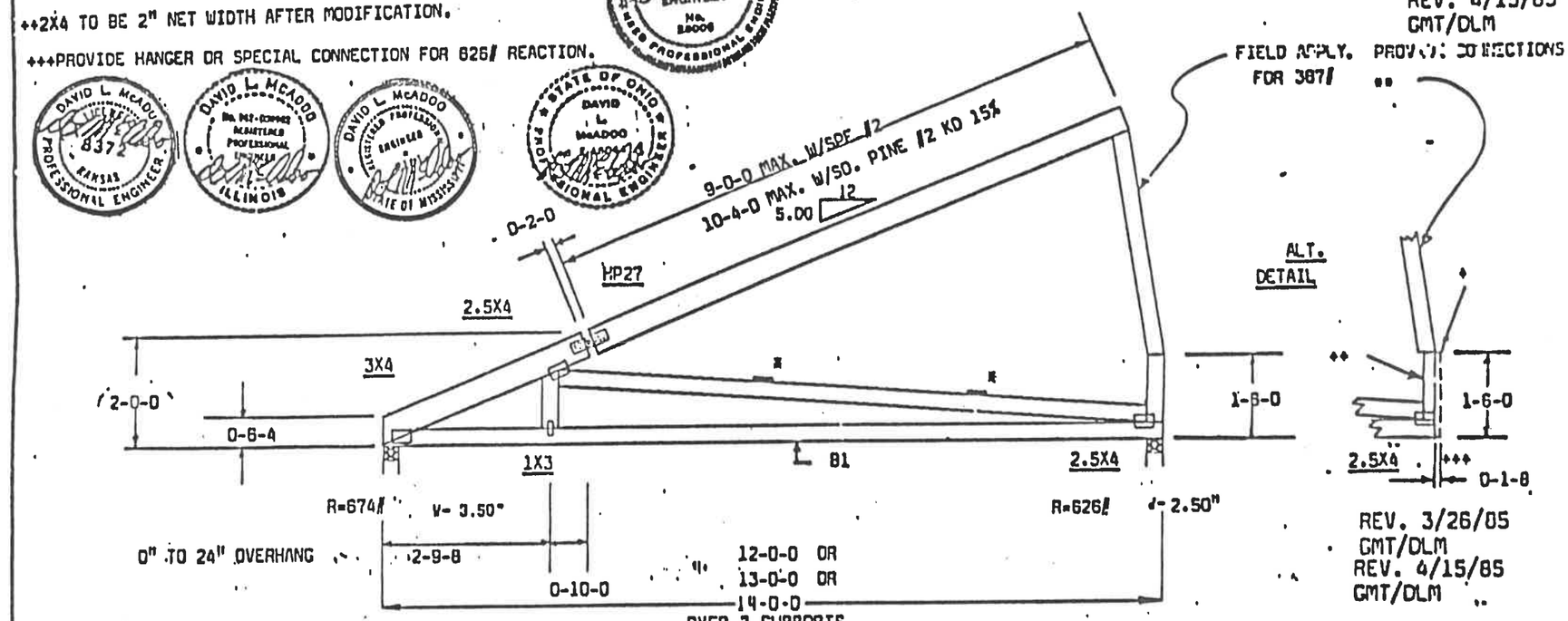
+++PROVIDE HANGER OR SPECIAL CONNECTION FOR 626# REACTION.

* 1X4 #3 HEM-FIR OR BETTER CONTINUOUS LATERAL BRACING TO BE EQUALLY SPACED. ATTACH WITH (2) 8D NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DRAWING PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

**LENGTH OF FIELD APPLIED MEMBER WILL VARY WITH LENGTH OF TRUSS TO MAINTAIN 5/12 TOP CHORD PITCH.

REV. 4/15/85 GMT/DLM



REV. 3/26/85 GMT/DLM

REV. 4/15/85 GMT/DLM

SCALE = 0.375"

PLATE TYPE--ALPINE SEON--753950 FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR REV 10.3.2

ALPINE TRUSS

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TC DL	10.0 PSF
BC DL	10.0 PSF
TOT.LD.	50.0 PSF
DUR.FAC.	1.15
SPACING	24.0"

REF	8551 LR
DATE	01/11/85
DRWG.	97,047
TX-ENG	RRM/GWH/DLM
O/A LEN.	14-0-0
PITCH	5.0/12
TYPE	HINGED-MON

97,047

JOB: HECKMAN HOMES LLP

TOP CHORD 2X6 SPF #2, EXCEPT AS SHOWN
BOT CHORD 2X4 SPF #2, EXCEPT AS SHOWN
WEBS 2X4 SPF #3 OR STUD

NO WANE OR KNOTS SHALL OCCUR IN THE PLATE CONTACT AREA.

ALL PLATES ARE TO BE CENTERED ON THE JOINT, LEFT TO RIGHT AND TOP TO BOTTOM, EXCEPT WHEN LOCATED BY CIRCLE OR DIMENSION. SEE DRAWING 138 FOR "PLATE LOCATIONS ON TYPICAL JOINTS."

B1: 2X4 SO. PINE #2kd 15% REQUIRED FOR 14-0-0 SPAN.

* 1X4 #3 HEM-FIR OR BETTER CONTINUOUS LATERAL BRACING TO BE EQUALLY SPACED. ATTACH WITH (2) 8D NAILS. BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.

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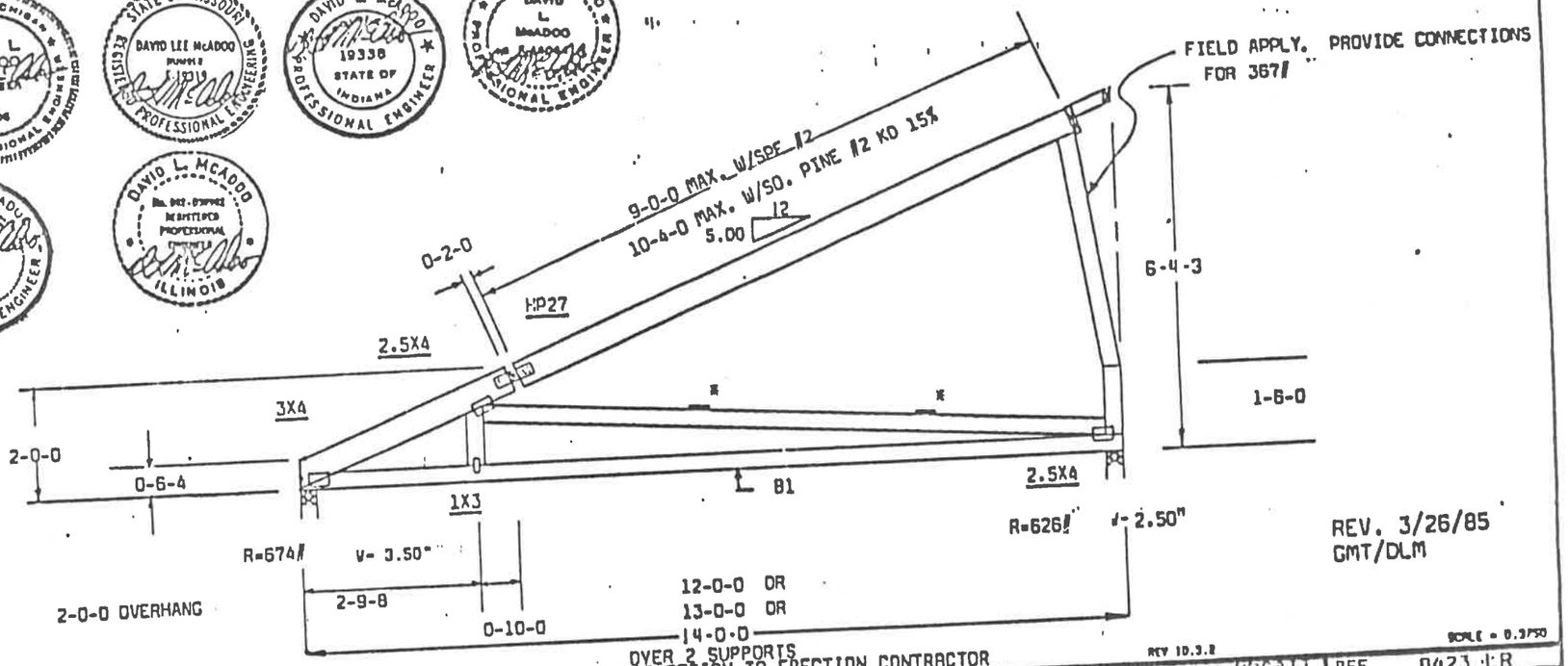
NOTE:
MIN BEARING OF MICRO-LAM 6"



REV. 3/26/85
GMT/DLM

REV 10.3.2 SCALE = 0.3750

PLATE TYPE--ALPINE SEON--753950 FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR

ALPINE TRUSS

IMPORTANT ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THESE SPECIFICATIONS OR ANY DEVIATION FROM THIS DESIGN OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE "QUALITY CONTROL MANUAL" BY TPI. ALPINE CONNECTORS ARE MANUFACTURED FROM 20 GAUGE GALVANIZED STEEL UNLESS OTHERWISE SHOWN, MEETING REQUIREMENTS OF ASTM A446 GRADE A. APPLY CONNECTORS TO BOTH FACES AT EACH JOINT AND LOCATE AS SHOWN. BEARING WIDTHS ARE 6" NOMINAL UNLESS OTHERWISE SHOWN. DESIGN STRESSES CONFORM WITH APPLICABLE PROVISIONS OF *NDS-82 AND *TPI-78 OR PCI-77 (INTERIM).

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TC LL	30.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
TOT.LD.	50.0 PSF
DUR.FAC.	1.15
SPACING	24.0"

REF	8423 LR
DATE	01/11/85
DRVG.	97,047
TX-ENG	RRM/GWH/DLM
O/A LEN.	14-0-0
PITCH	5.0/12
TYPE	HINGED-MON

TOP CHORD 2X6 SPF #2, EXCEPT AS SHOWN
BOT CHORD 2X4 SPF #2, EXCEPT AS SHOWN
WEBS 2X4 SPF #3 OR STUD

NO WANE OR KNOTS SHALL OCCUR IN THE PLATE CONTACT AREA.

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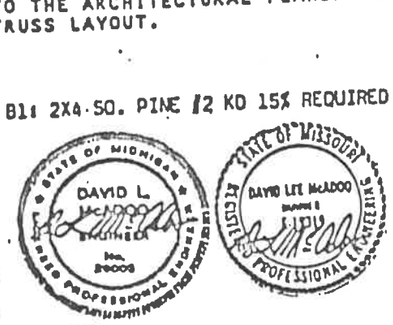
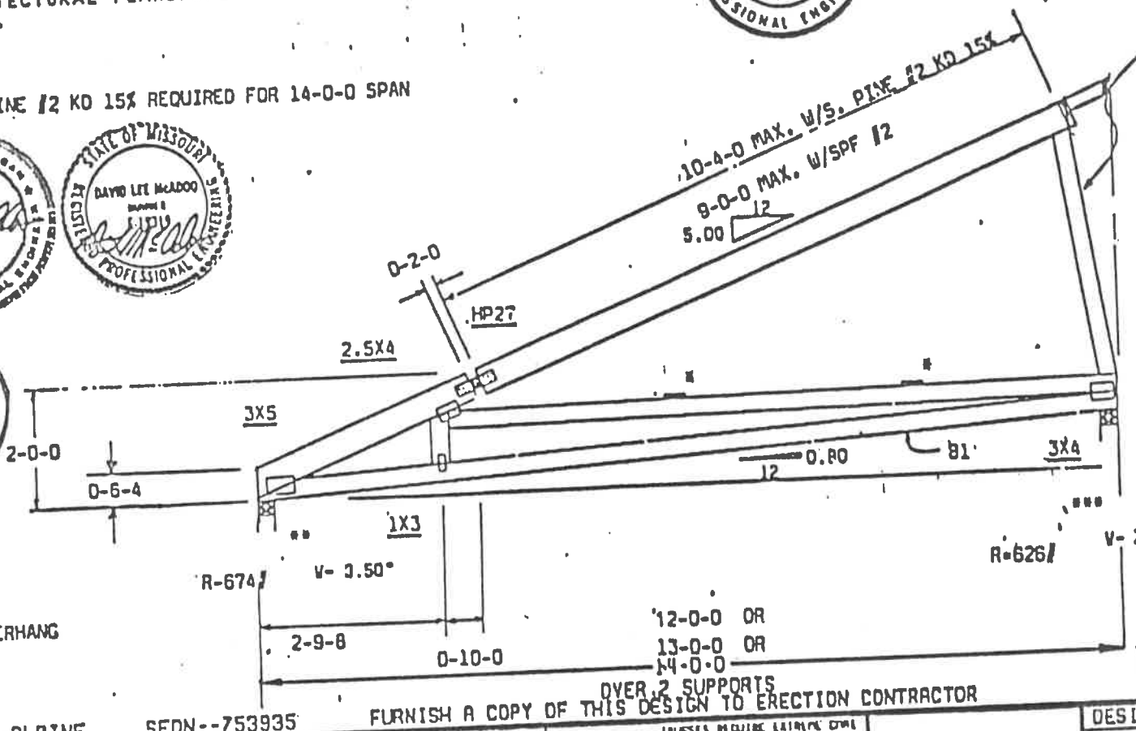
** PROVIDE CONNECTION FOR 53#* TO RESIST SLIDING OF MEMBER.

*** SHIM TO SOLID BEARING.

B1: 2X4 SO. PINE #2 KD 15% REQUIRED FOR 14-0-0 SPAN





REV. 3/26/85

REV 10.3.2 SCALE = 0.3750

PLATE TYPE--ALPINE SEON--753935 FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR

ALPINE TRUSS

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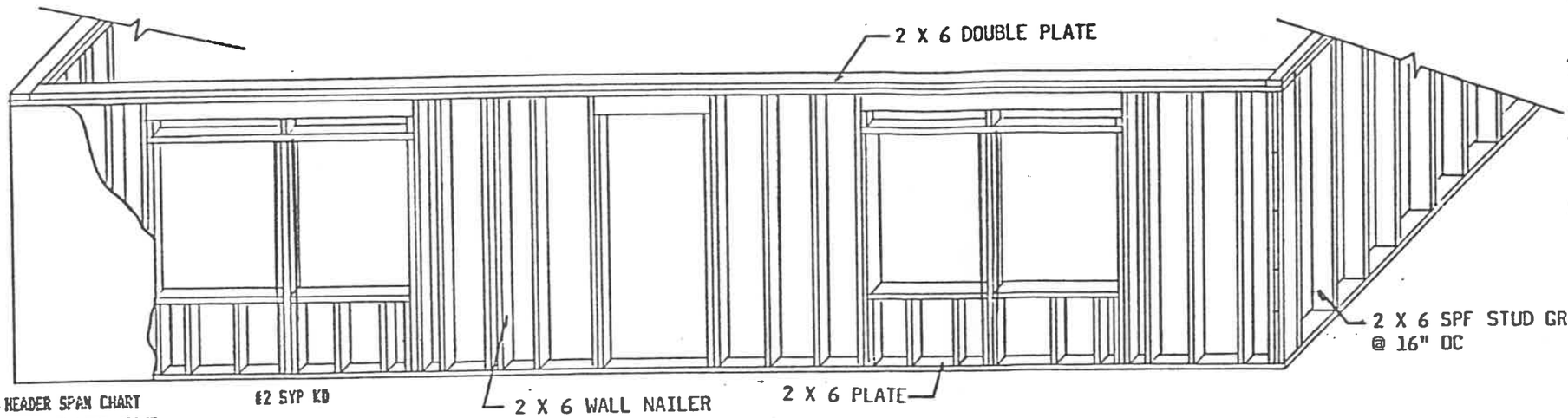
SPACING	24.0"

REF	8423 LR
DATE	01/11/85
DRVG.	97,046
TX-ENG	RRM/GWH/DLM
O/A LEN.	14-0-0
PITCH	5.0/12
TYPE	HINGED-MON

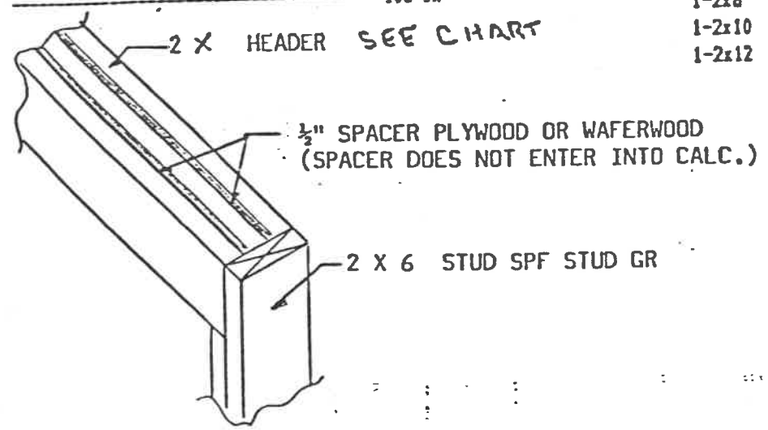
REV 1/6/86 ADD MICRO-LAM NOTE

1. ALL HEADERS LAP MIN 1½"
2. COORDINATE HEADER SCHEDULE WITH WINDOW & DOOR SCHEDULE SEE SHEET
3. SEE CALCULATIONS FOR VERIFICATION OF SPAN
4. INTERIOR NON-LOAD BEARING WALLS 2x3 OR 2x4 SPF STUD GRADE @ 24"
5. SHEATHING FASTENED W/6D COMMON N 6" OC @ EDGES & 12" OC @ INTERME IATE SUPPORTS



MARRIAGE WALL HEADER SPAN CHART #2 SYP KD
SINGLE STORY (NO FLOOR LADD ABOVE)

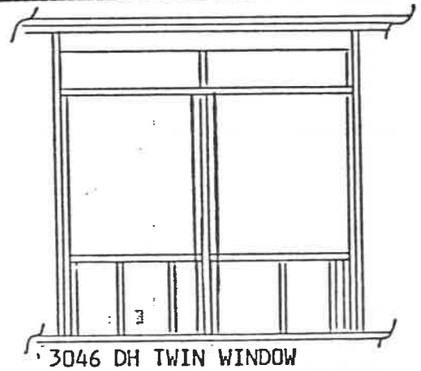
Design Conditions: 14' Unit width / 30 psf L.L.	
1-2x6	51 in
1-2x8	67 in
1-2x10	86 in
1-2x12	105 in

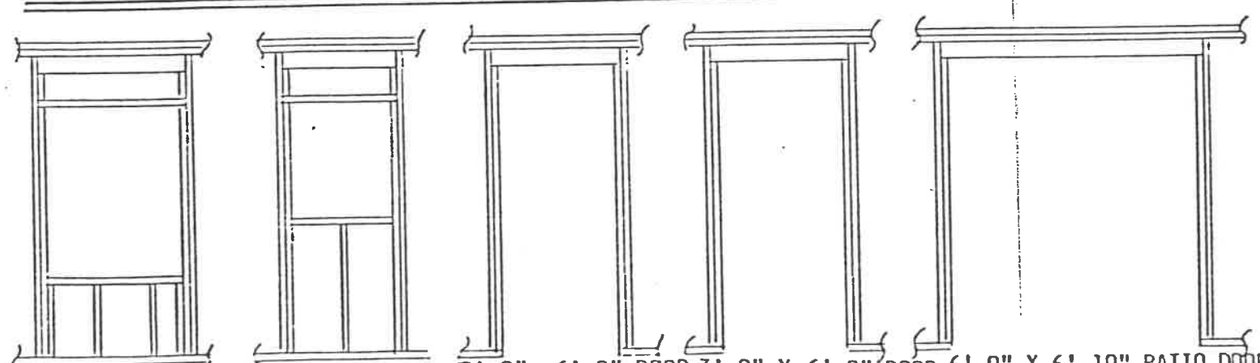


TYPICAL OUTSIDE WALL HEADER

MARRIAGE WALL HEADER SPAN CHART #2 SPF
SINGLE STORY (NO FLOOR LADD ABOVE)

Design Conditions: 14' Unit width / 30 psf L.L.	
1-2x6	38 in
1-2x8	50 in
1-2x10	63 in
1-2x12	77 in



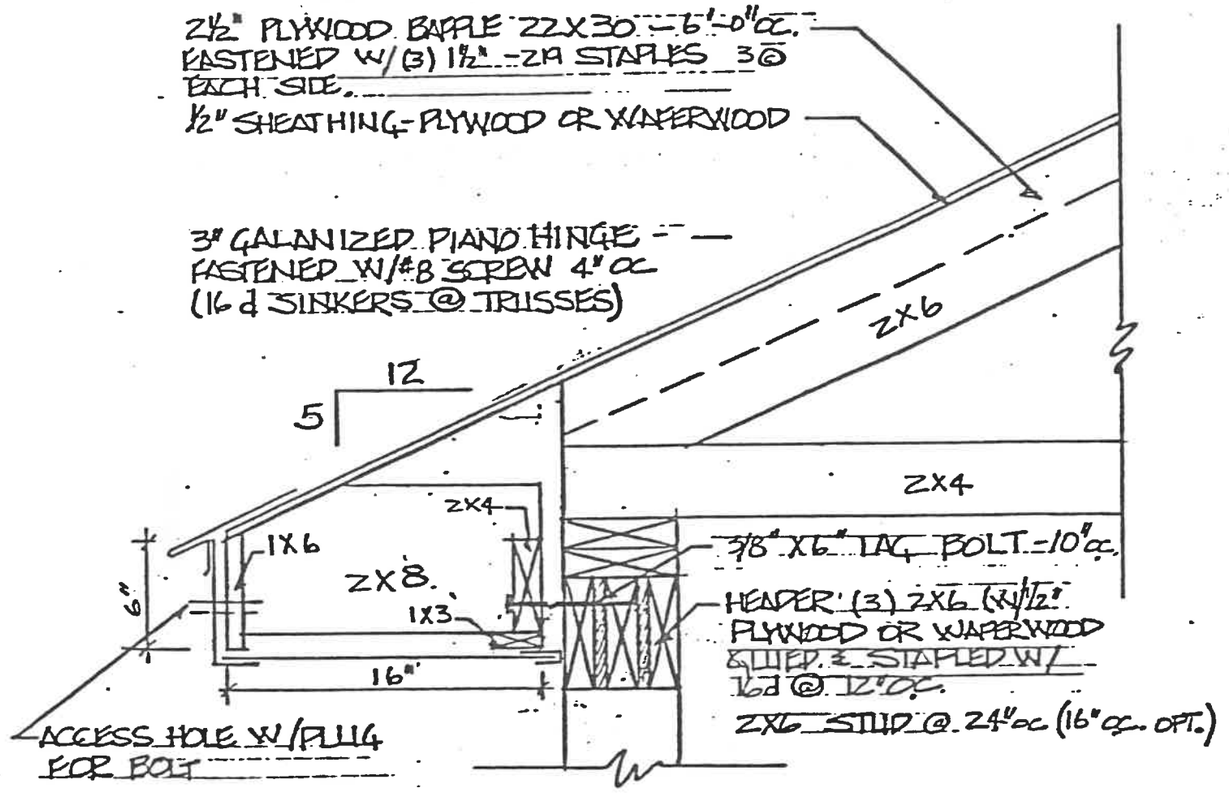


STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER
9/20/85

HEADER SCHEDULE

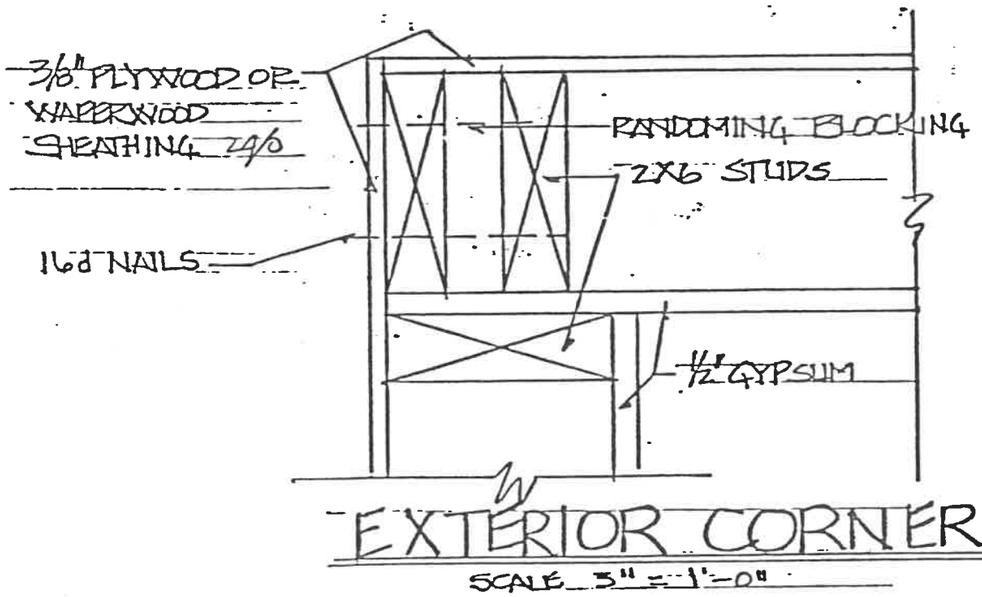
SPAN	GRADE	MC	NO.	SIZE	NO
51"	SPF #2	19%	3	2x4	
80	SPF #2	19%	3	2x6	
106	SPF #2	19%	3	2x8	
135	SPF #2	19%	3	2x10	
165	SPF #2	19%	3	2x12	
112	SPF #2	19%	2	2x12	
178	SYP KD #2	15%	3	2x10	
217	SYP KD #2	15%	3	2x12	
154	SYP KD #2	15%	2	2x12	
189	SYP KD #1	15%	3	2x10	
230	SYP KD #1	15%	3	2x12	
196	SYP KD #1	15%	2	2x12	

73083



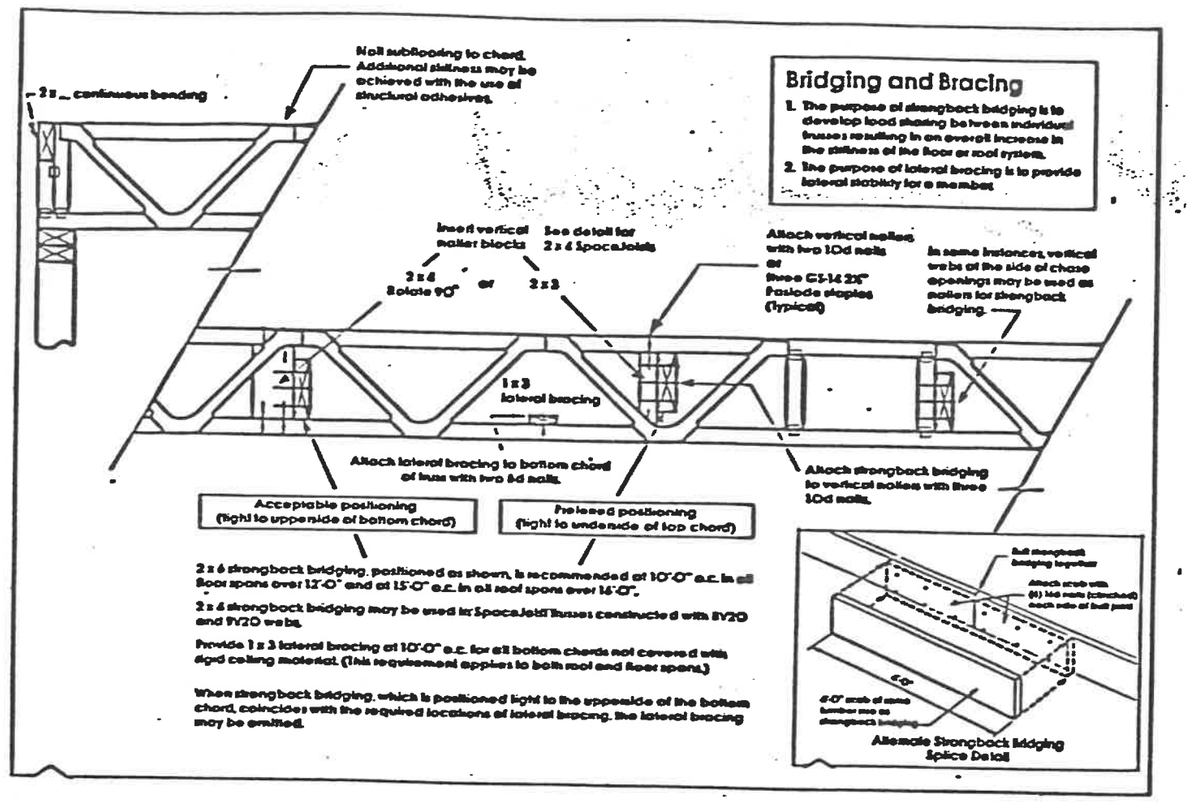
TYPICAL OVERHANG DETAIL

SCALE 1½" = 1'-0"



EXTERIOR CORNER

SCALE 3" = 1'-0"



STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED PROFESSIONAL ENGINEER

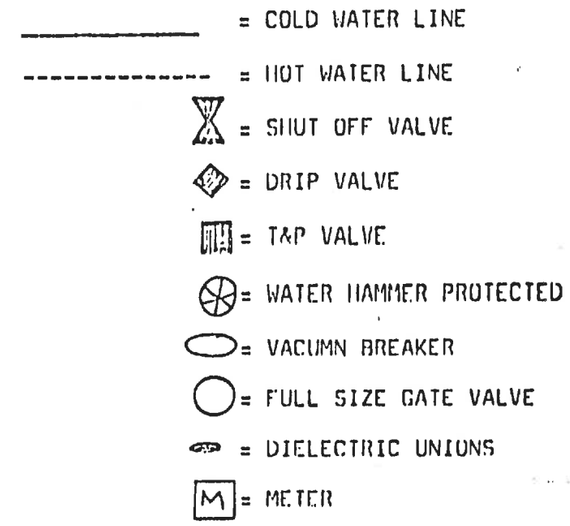
9/28/05

66133

WATER SUPPLY PIPING

1. ALL PIPING TO BE SUPPORTED NOT MORE THAN 6'-0" OC.
2. ALL PIPING TO COPPER PIPE OR PVC.
3. SHUT OFF VALVES SHALL BE READILY ACCESSIBLE.

SYMBOLS



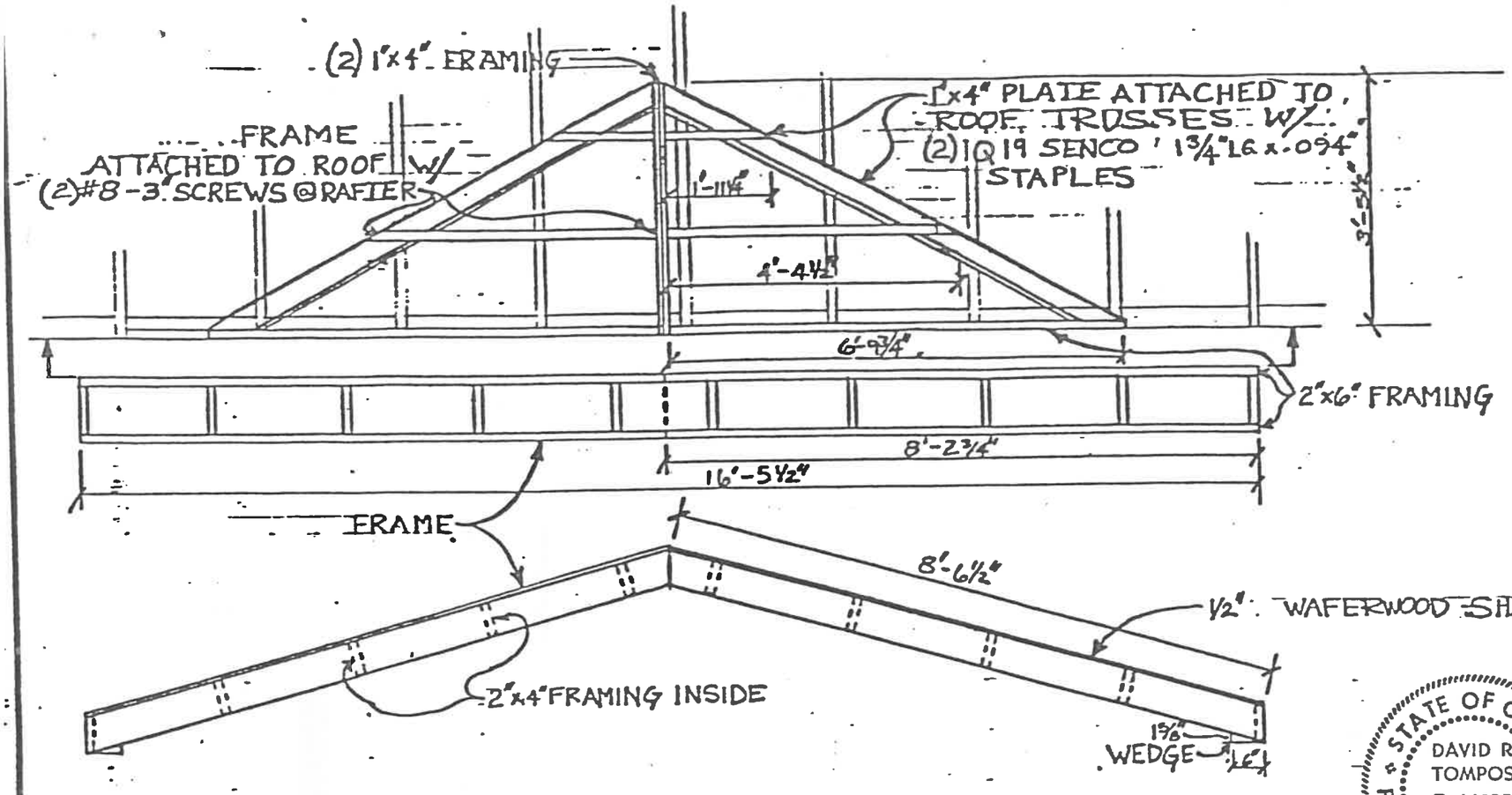
DRAIN AND WASTE PLUMBING

FITTINGS:

- (A) SANITARY TEE
- (B) INTEGRAL DBL. WYE & 1/8 BEND
- (C) LONG 90 ELBOW
- (D) LONG TURN TEE WYE
- (E) CLEAN OUT
- (F) 45 WYE
- (G) 1/8 BEND

NOTES:

1. TRAP & TRAP ARM SIZES DO NOT EXCEED ALLOWABLE LENGTHS.
2. LENGTHS OF TUB & SHOW TRAP ARMS & VENTS DO NOT EXCEED ALLOWABLE LENGTH.
3. FITTINGS INSTALLED WITH TAPPER OR SWEEP IN DIRECTION OF FLOW.
4. ALL HORIZONTAL VENT PIPE AT LEAST 6" ABOVE FIXTURE FLOOD LEVEL.
5. HORIZONTAL VENT PIPE SLOPED 1/8" PER FT. TOWARD DRAINAGE.
6. ALL DRAINS SLOPED ¼" PER FT. / 1/8" PER FT. W/ CLEANOUT WHERE APPLIABLE
7. ALL PIPE SUPPORTED AT INTERVALS NOT MORE THAN 4' AT BRANCH ENDS & DIRECTION CHANGES.
8. ALL TRAP ARMS SUPPORTED WITHIN 3' OF TRAP.
9. ALL WASTE PIPING IS PVC SCHEDULE 40
10. SUMPPUMP RECEPTOR INSTALED ON SITE.
11. 3" STACK VENT TO EXTEND 12' ABOVE ROOF. ALSO FOR FROST PROTECTION 3" PIPE TO EXTEND DOWN 12" BELOW ROOF.
12. ALL PLUMBING BELOW FLOOR LINE BY BUILDER/DEALER
13. DISPOSALS ARE TRAPPED SEPARATELY, WHEN REQ.
14. FROST PROOF HOSE BIBBS SHIPPED LOOSE.



ALL GABLES ARE SITE INSTALLED.

NOTE:
LARGEST SIZE IS SHOWN

STATE OF OHIO
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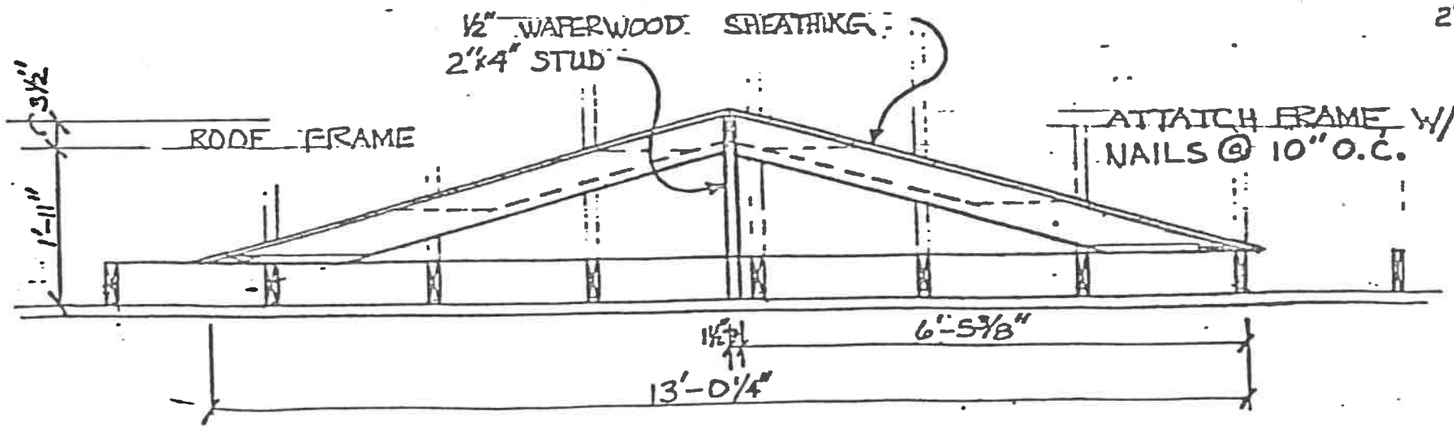
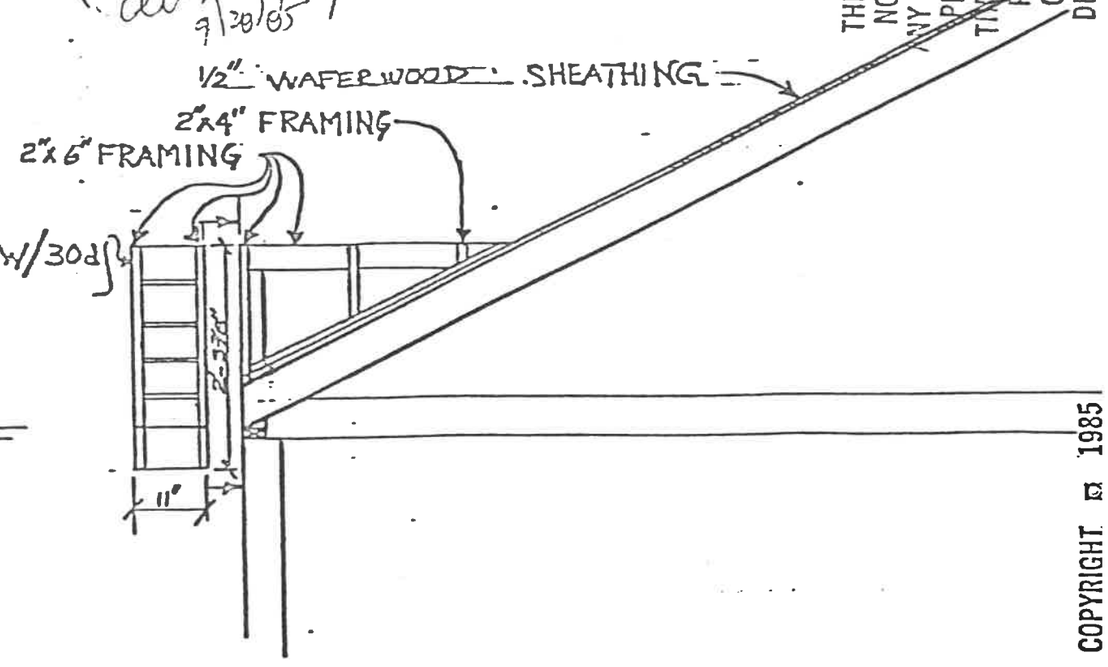




73083

ELECTRIC SCHEDULE 200 AMP - 2 POLE MAIN BREAKER

NO.	AMP.	VOLT	DESCRIPTION	WIRE
1.	20A	115V	APPLIANCE	12-2/G
2.	20A	115V	APPLIANCE	12-2/G
3.	20A	115V	BATHROOMS	12-2/G
4.	20A	115V	APPLIANCE	12-2/G
5.	20A	115V	APPLIANCE	12-2/G
6.	15A	115V	LIGHTING	12-2/G
7.	15A	115V	LIGHTING	12-2/G
8.	15A	115V	LIGHTING	12-2/G
9.	15A	115V	LIGHTING	12-2/G
10.	50A	230V	RANGE	6-3/G
11.	20A	115V	DISPOSAL DISHWASHER	12-2/G
12.	20A	115V	REFRIGERATOR	12-2/G
13.	20A	115V	WASHER	12-2/G
14.	30A	230V	DRYER	10-3/G
15.	25A	230V	WATER HEATER	10-2/G

NO.	AMP.	VOLT	DESCRIPTION	WIRE
			ELECTRIC BASEBOARD	
16.	20A	230V	BASEBOARD HEATING	12-2/G
17.	20A	230V	BASEBOARD HEATING	12-2/G
18.	20A	230V	BASEBOARD HEATING	12-2/G
19.	20A	230V	BASEBOARD HEATING	12-2/G
20.	20A	230V	BASEBOARD HEATING	12-2/G
21.	15A	115V	LIGHTING	12-2/G
			FORCED AIR HEATING	
16.	15A	115V	FURNACE (BLOWER)	12-2/G
17.			OPEN	
18.			OPEN	
19.			OPEN	
20.			OPEN	
21.	15A	115V	LIGHTING	12-2/G

ELECTRIC BASEBOARD SCHEDULE

NO.	WATT	VOLT	AMP.	LENGTH
BB-1	500	240	2.1	24"
BB-2	750	240	3.12	36"
BB-3	1000	240	4.2	48"
BB-4	1500	240	6.3	72"
BB-5	2000	240	8.3	96"

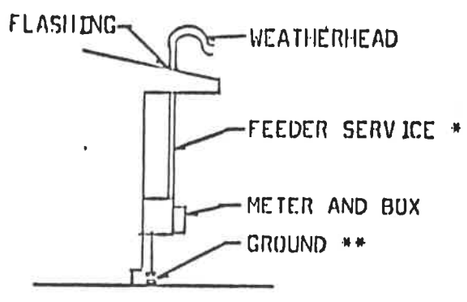
LEGEND

E. P.	ELECTRIC PANEL
	RECEPT - 110
J	JUNCTION BOX
PC	PULL CHAIN LITE
	RECEPT -220
SD	SMOKE DETECTOR
$3	3-WAY SWITCH
$	SWITCH
	DISCONNECT SWITCH
	LIGHT
V	VENT
WP	WEATHER PROOF
T	THERMOSTAT

ELECTRICAL NOTES

1. DISSCONNET SWITCHES ON FURNACE AND SUMP PUMP MUST BE W/IN SITE OF APPLIANCE.
2. THERMOSTAT TO BE 44" FROM FLOOR.
3. FLOOR TO BE INSULATED W/R-20 BATT INSULATION BY BUILDER.
4. SEE HEAT LOSS CALCS FOR TOTAL HEAT LOSSES.
5. NO RECEPTACLES ALLOWED ABOVE BASEBOARD HEATERS. RELOCATE AS REQUIRED.
6. LIGHTS INSIDE CLOSETS LOCATED MIN. 18" FROM COMBUSTIBLE MATERIALS.
7. RECEP AT RANGE ON LIGHTING CIRCUIT FOR GAS RANGE.
8. ONE LIGHT IN CRAWL SPACE IF IT IS USED FOR STORAGE OR IF EQUIPMENT NEEDS SERVICING.
9. RECESSED LIGHT/FAN TO BE INSTALLED W/IN MANUFACTURERS SPECS. & N.E.C. 410-65 & 66.
10. MOTORS TO HAVE PROPER OVERLOAD PROTECTION.
11. THE ELCTRIC PANEL IS TO HAVE A 30x36 CLEAR WORKING SPACE.
12. ALL LITE FIXTURES MEET CODE IN N.E.C. 410-73(e).
13. ALL MAIN SERVICE PANELS ARE SUITABLE FOR USE AS SERVICE EQUIPMENT.
14. 90 AMP USED ON ELECTRIC FORCED AIR FURNACE.
15. SMOKE DETECTORS ARE ON LIGHTING CIRCUIT. CIRCUIT NUMBER MAY VARY. THEY ARE WIRED IN SERIES, SO IF ONE DETECTOR IS ACTUATED ALL WILL SOUND.

ELECTRICAL ENTRACE DETAILS



*200 AMP SERVICE -3 EACH #3/0 THW COPPER W/2" CONDUIT

**GROUND -1 EACH #4THW COPPER

**COPPER SERVICE GROUNDING CONDUCTOR CONNECTED TO BOTH METAL UNDERGROUND WATER PIPING SYSTEM & A SUPPLEMENTAL ELECTRODE.

73983

FASTENING SCHEDULE

BUILDING ELEMENT	NAIL SIZE & TYPE	NUMBER AND LOCATION
SHINGLES, WOOD	NO. 14 B & S GAGE CORROSION RESISTIVE	2 EACH BEARING
STUDE TO SOLE PLATE.....	8D COMMON	4 TOE NAIL OR
	16D COMMON	2 DIRECT NAIL
STUD TO CAP PLATE.....	16 D COMMON	2 TOE NAIL OR 2 DIRECT NAIL
DOUBLE STUDS	10 D COMMON	12" OC DIRECT
CORNER STUDS	16 D COMMON	24" OC DIRECT
SOLE PLATE TO JOIST OR BLOCKING	16 D DOMMON	16" OC
DOUBLE CAP PLATE	10 D COMMON	16" OC DIRECT NAIL
CAP PLATE LAPS.....	10 D COMMON	1 DIRECT NAIL
FLOOR JOISTS TO STUDS	10 D COMMON	5 DIRECT NAIL OR
(NO CEILING JOISTS)	10 D COMMON	3 DIRECT
FLOOR JOISTS TO SILL OR GIRDER...	8 D COMMON	3 TOE NAIL
LEDGER STRIP	16 D COMMON	3 EACH DIRECT JOIST
TAIL BEAMS TO HEADERS		1 EACH END 4 SQ.
(WHEN NAILING PERMITTED).....	20 D COMMON	FT. FLOOR AREA
HEADER BEAMS TO TRIMMERS		
(WHEN NAILING PERMITTED) .....20 D COMMON		1 EACH AND 8 SQ.
PLYWOOD ROOF AND WALL SHEATHING	6 D COMMON	6" OC DIRECT EDGES
(½" OR LESS)		AND 12" OC INTERMEDIATE
(5/8" OR GREATER)	8 D COMMON	6" OC DIRECT EDGES AND
		12" OC INTERMEDIATE
(5/16, 3/8 or ½")	16 GAGE GALV. WIRE STAPLES 3/4" MIN. CROWN, LENGTH OF 1" PLUS PLYWOOD THICKNESS	4" OC EDGES AND 8" OC INTERMEDIATE
(5/8")	SAME AS IMMEDIATELY ABOVE	2½" OC EDGES AND 5" OC INTERMEDIATE
PLYWOOD OR WAFERBOARD SUBFLOORING	6 D COMMON OR	6" OC DIRECT EDGES AND 10" OC INTERMEDIATE
(1/2")	6 D ANNULAR OR SPIRAL THREAD	
(5/8" or 3/4")	8 D COMMON OR	6" OC DIRECT EDGES AND 10" OC INTERMEDIATE
	6 D COMMON OR SPIRAL THREAD	
(1 OR 1 1/8")	20 D COMMON OR	6" OC DIRECT EDGES AND 6" OC INTERMEDIATE
	8 D RING SHANK OR	
	8 D ANNULAR OR SPIRAL THREAD	
(1/2")	16 GAGE GALV. WIRE STAPLES	4" OC EDGES AND 7" OC INTERMEDIATE
(5/8")	3/8" MIN. CROWN 1 5/8" LENGTH	2½" OC EDGES AND 4" OC INTERMEDIATE
BUILT UP GIRDERS AND BEAMS.....	20 D COMMON	32" OC DIRECT
CONTINUOUS HEADER TO STUD	8 D COMMON	4 TOE NAIL
CONTINUOUS HEADER, TWO PIECES....	16 D COMMON	16" OC DIRECT
½" FIBERBOARD SHEATHING :.....	1½" GALV. ROOFING NAIL OR 6 D COMMON NAIL OR 16 GAGE STAPLE 1/18" LONG WITH MIN CROWN OF 7/16".	3" OC EXTERIOR EDGE, 6" INTERMEDIATE
PARTICLE BOARD ROOF AND WALL..... SHEATHING (½" OR LESS)	6 D COMMON	6" OC DIRECT EDGES AND 12" OC INTERMEDIATE

STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER

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NO. 16184
STATE OF
PROFESSIONAL ENGINEER

5/29/86

NOTE: GYPSUM APPLIED PER TABLE NO 502.1.2 OF 1 & 2 FAMILY DWELLING CODE.

DOOR SCHEDULE

CODE	SIZE	ROUGH OPENING	DESCRIPTION
D-1	3'-0"x6'-8" - 1 3/4"	3'-2¼'x6'-10¼"	EXTERIOR STEEL-INSULATED
D-2	2'-8"x6'-8" - 1 3/4"	2'-10¼x6'-10¼"	EXTERIOR STEEL-INSULATED
D-3	2'-6"x6'-8" - 1 3/8"	2'-8¼"x6'-10¼"	INTERIOR HOLLOW CORE
D-4C	6'-0"x6'-9"	6'-0½"x6'-9 3/4"	PATIO DOOR ALUM.
D-4A	6'-0"x6'-10 3/8"	6'-0 3/4"x6'-10. 3/4"	PATIO DOOR - VINYL CLAD WOOD
D-4F		6'-3½"x6'-10¼"	FRENCH DOOR -STEEL-INSULATED
D-FS		3'-2 3/8"x6'-10¼"	SINGLE FRENCH DOOR - STEEL-INSULATED
D-5	4'-0"x6'-8"	4'-0 3/4"x6'-10½"	BI-FOLD
D-6	1'-6"x6'-8"	1'-6 3/4"x6'-10½"	BI-FOLD
D-7	3'-0"x6'-8"	3'-0 3/4"x6'-10½"	BI-FOLD
D-8	2'-0"x6'-8"	2'-2¼"-x6'-10¼"	INTERIOR HOLLOW CORE
D-9	2"-0"x6'-8"	2'-0 3/4"x6'-10¼"	BI-FOLD
D-10	5'-0"x6'-8"	5'-0 3/4"x6'-10¼"	BI-FOLD
D-11	1'-6"x6'-8"	1'-8¼"x6'-10¼"	INTERIOR HOLLOW CORE
D-12	4'-3"x6'-8"x1 3/4"	4'-5½"x6'-10¼"	EXTERIOR STEEL - INSULATED W/1 SIDE LITE
D-13	2'-4"x6'-8"-1 3/8"	2'-6½"x5'-10¼"	INTERIOR HOLLOW CORE
D-14	5'-0"		By-PASS HOLLOW CORE
D-15	3'-0"x6'-8"	3'-2¼"x6'-10¼"	INTERIOR HOLLOW CORE

WINDOW SCHEDULE

CODE	SIZE	MFG.	DESCRIPTION	ROUGH OPENING	LIGHT	VENT	
W-1	3046	ANDERSEN	D.H. - INSULATED GLASS	3'-2 1/8" x 4'-9¼"	10.8	5.92	
W-1	3046	WENCO	D.H. - INSULATED GLASS	3'-2 1/8"x 4'-9¼"	10.8	5.92	
W-2	2032	ANDERSEN	D.H. - INSULATED GLASS	2'-2 1/8"x 3'-5½"	4.5	2.62	
W-2	2032	WENCO	D.H. - INSULATED GLASS	2'-2 1/8" x 3'-5½"	4.5	2.62	
W-3	3056	ANDERSEN	D.H. - INSULATED GLASS	3'-2 1/8" x 5'-9¼"	13.5	5.93	
W-3	3056	WENCO	D.H. - INSULATED GLASS	3'-2 1/8" x 5'-9¼"	14.6	6.3	
W-4	3062	ANDERSEN	D.H. - INSULATED GLASS	3'-2 1/8" x 6'-5¼"	15.3	8.34	
W-4	3062	WENCO	D.H. - INSULATED GLASS	3'-2 1/8" x 6'-5¼"	15.1	7.5	
W-5	3032	ANDERSEN	D.H. - INSULATED GLASS	3'-2 1/8" x 3'-5¼"	7.2	4.0	
W-5	3032	WENCO	D.H. - INSULATED GLASS	3'-2 1/8" x 3'-5¼"	7.2	4.0	
W-6	3446	ANDERSEN	D.H. - INSULATED GLASS	3'-6 1/8" x 4'-9¼"	12.1	6.61	
W-6	3446	WENCO	D.H. - INSULATED GLASS	3'-6 1/8" x 4'-9¼"	13.5	6.75	
W-7	30-3442-18	ANDERSEN	BAY-INSULATED GLASS	7'-0" x 4'-6 3/4"			
W-7	1-8x3-4x1-8/4-6	WENCO	BAY-INSULATED GLASS	6'-10" x 4'-9¼"			
W-8	2432	ANDERSEN	D.H. - INSULATED GLASS	2'-6 1/8"x3'-5½"	6.4	3.2	
W-8	2432	WENCO	D.H. - INSULATED GLASS	2'-6 1/8"x3'-5½"	6.4	3.2	

CASED OPENING

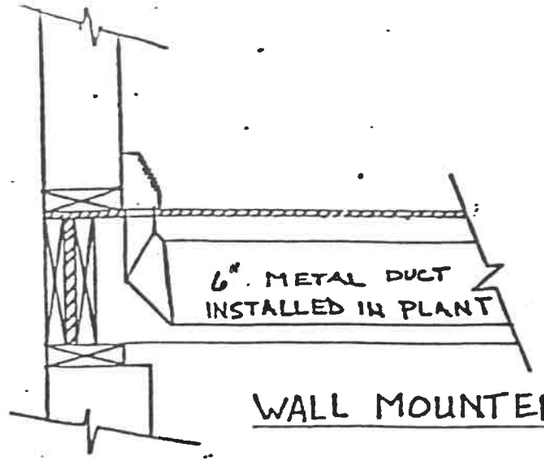
CASED OPENING	ROUGH OPENINGS
2'-6" C.O.	2'-8¼" x 6'-10¼"
3'-2" C.O.	3'-4¼" x 6'-10¼"
3'-10" C.O.	4'-0¼" x 6'-10¼"
5'-0" C.O.	5'-2¼" x 6'-10¼"
6'-1" C.O.	6'-3¼" x 6'-10¼"

79008

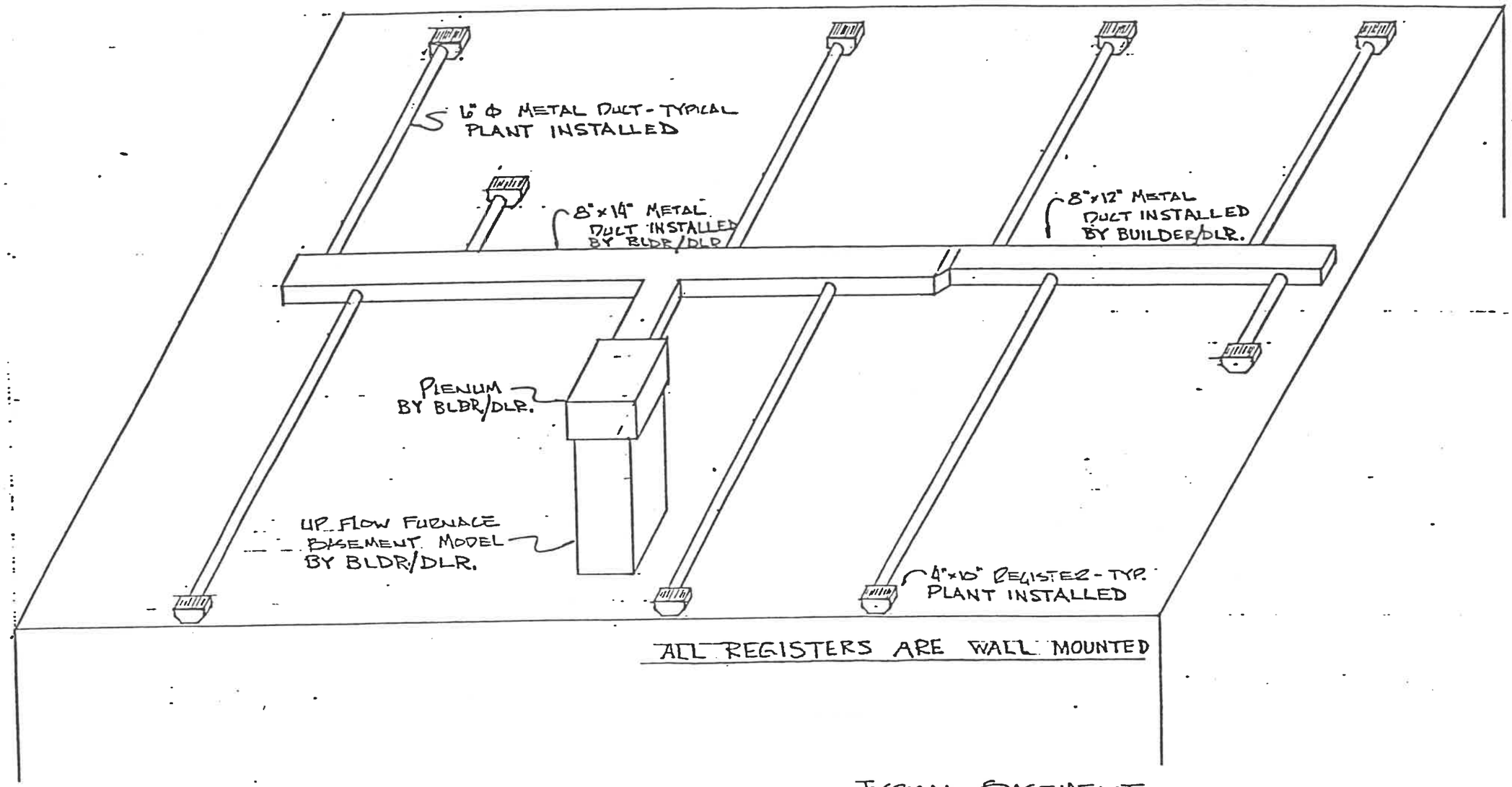
GENERAL NOTES:

1.) ALL FLUE PIPING SITE INSTALLED.

2.) METAL CHIMNEYS FOR ALL FUEL-BURNING COMFORT HEATING APPLIANCES SHALL EXTEND A MINIMUM OF 3'-0" ABOVE ANY BUILDING PORTION WITHIN 10'-0".



WALL MOUNTED REGISTERS (TYP.)



ALL REGISTERS ARE WALL MOUNTED

TYPICAL BASEMENT
DUCT LAYOUT

*NOTE: SEE FLOOR PLAN FOR SPECIFIC REGISTER LOCATIONS

13804

GENERAL NOTES:

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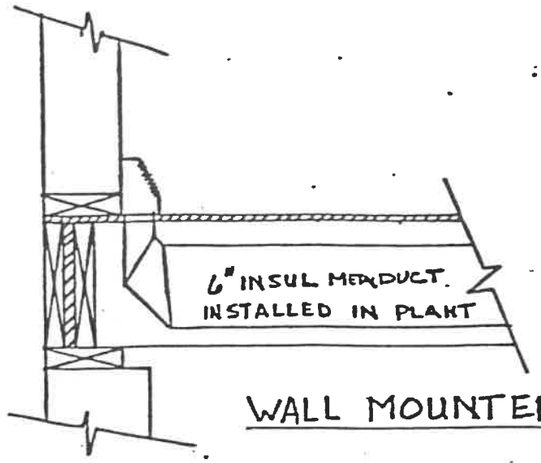
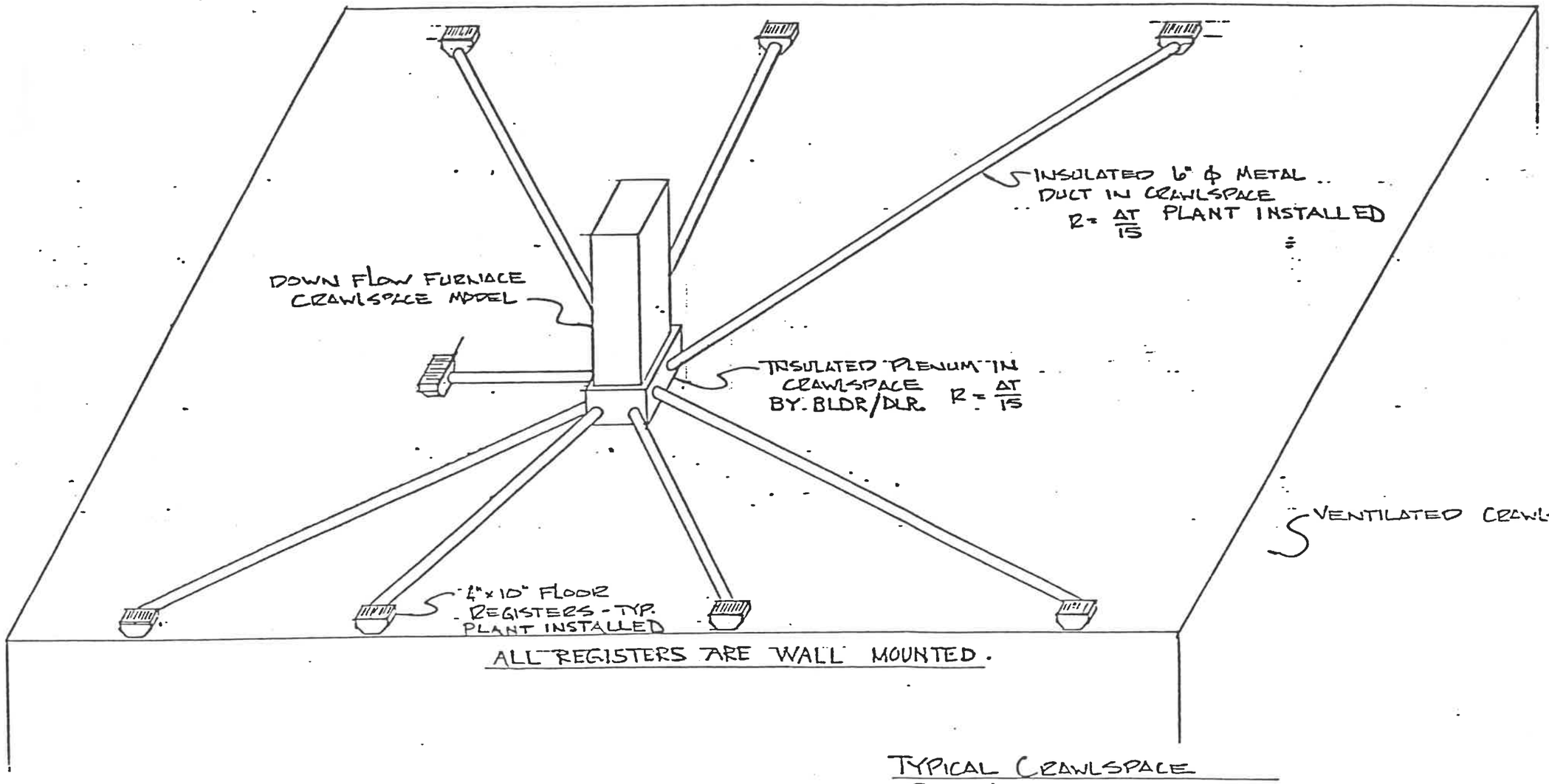


WALL MOUNTED REGISTERS (TYP.)



ALL REGISTERS ARE WALL MOUNTED.

TYPICAL CRAWLSPACE
DUCT LAYOUT

NOTE: SEE FLOOR PLAN FOR SPECIFIC REGISTER LOCATIONS.

ECESSED ENTRY

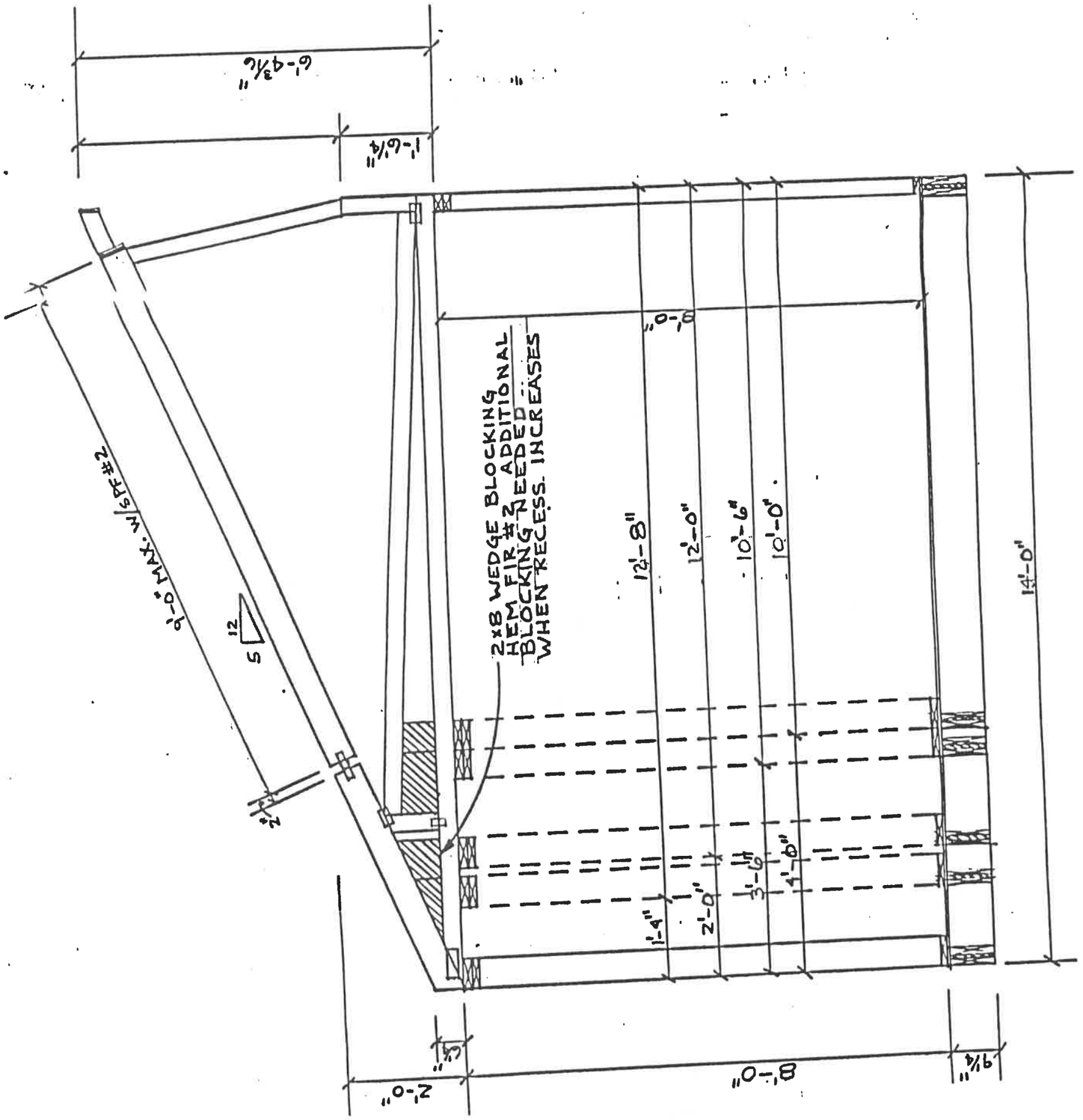
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF

MODEL TYPICAL

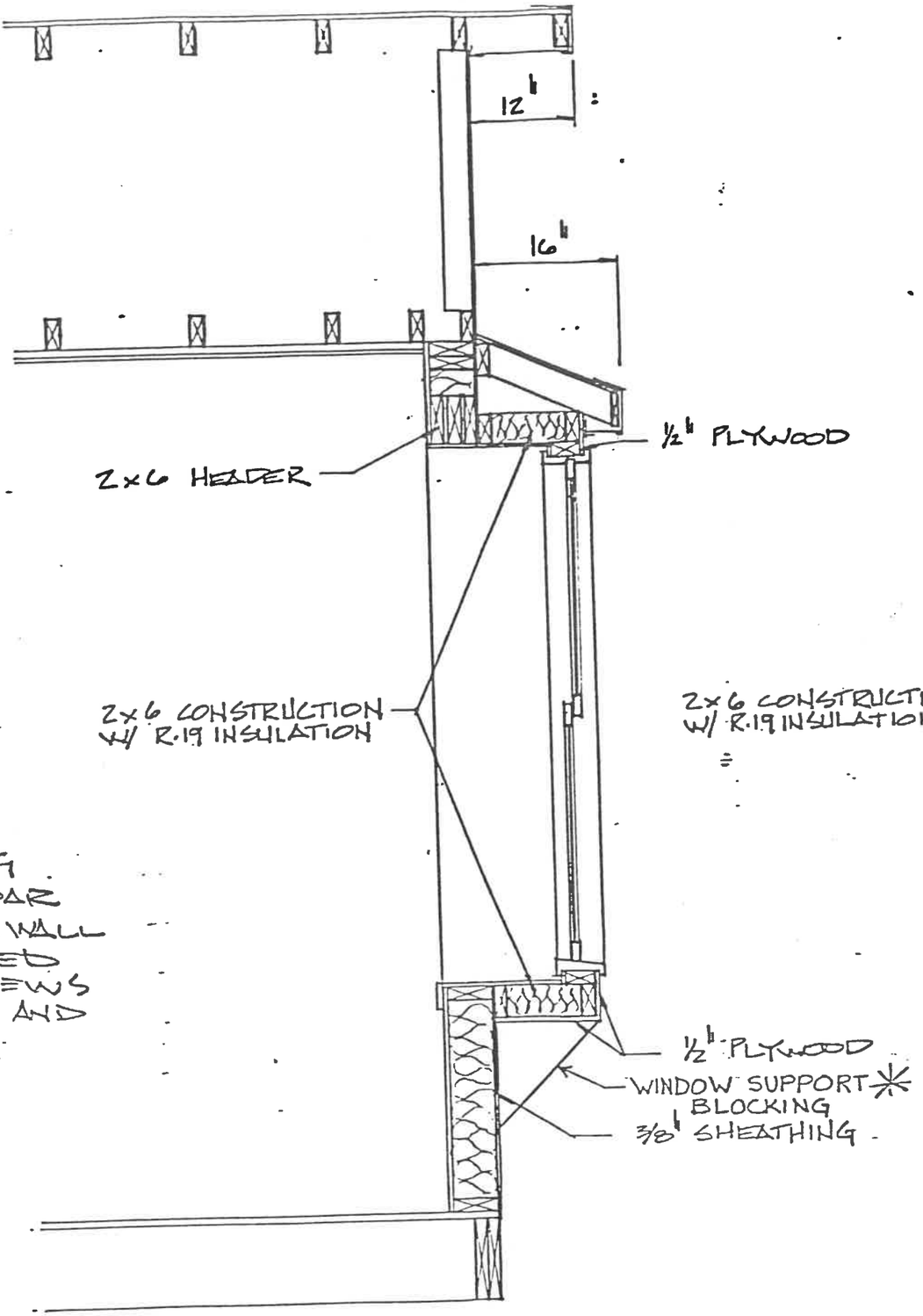
DATE 3-25-85

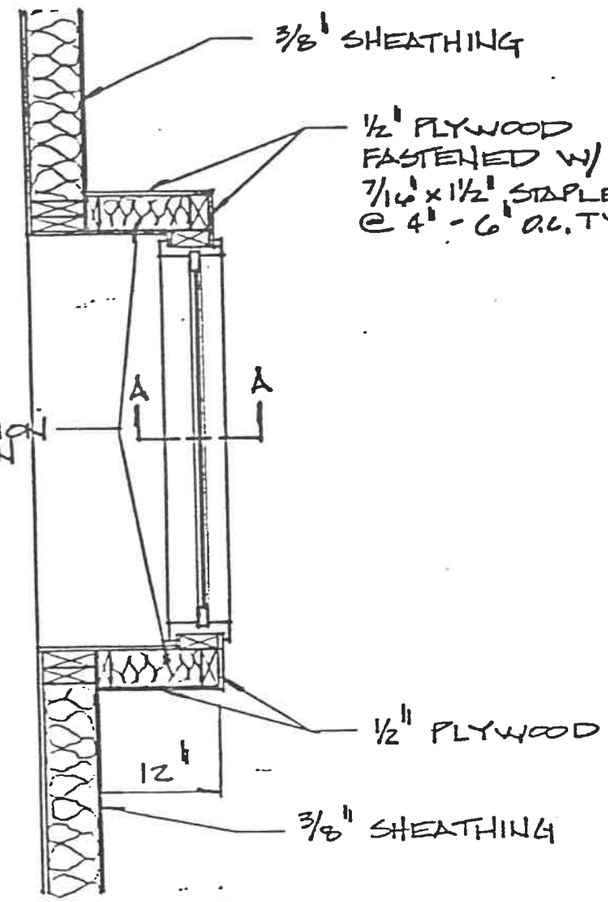
STATE OF OHIO
DAVID R. TOMPOS
E-41025
REGISTERED
PROFESSIONAL ENGINEER

DAVID R. TOMPOS
REGISTERED
NO. 16484
STATE OF INDIANA
PROFESSIONAL ENGINEER



REV. 9-12-85 CORRECTED PLAN



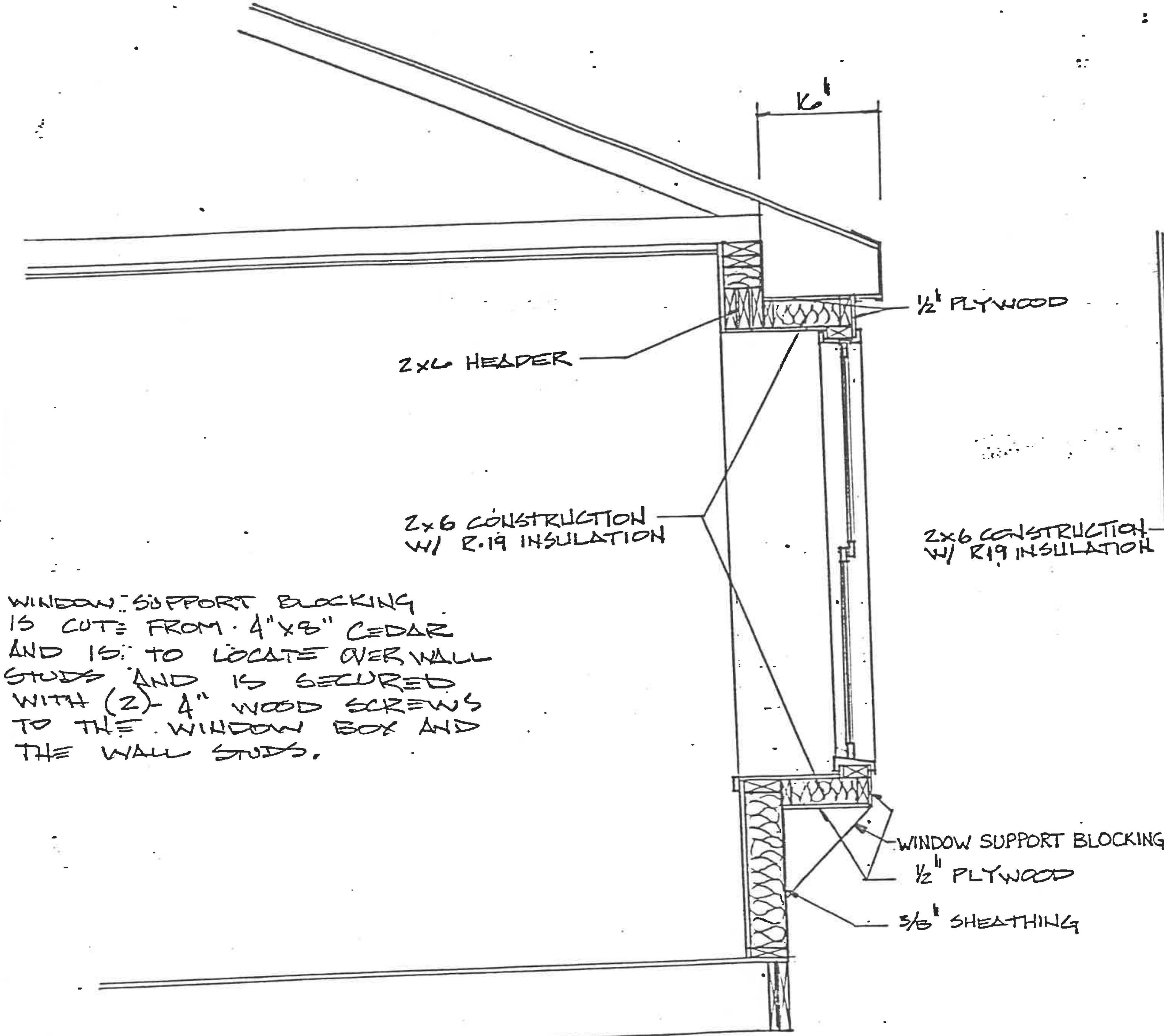


* WINDOW SUPPORT BLOCKING IS CUT FROM 4"x8" CEDAR AND IS TO LOCATE OVER WALL STUDS AND IS SECURED WITH (2) - 4" WOOD SCREWS TO THE WINDOW BOX AND THE WALL STUDS.

SECTION A-A
SCALE: ¾" = 1'-0"

PLAN
SCALE: ¾" = 1'-0"

END WALL BOX WINDOW (OPT.)
NOTE: APPLIES TO ALL MODULE WIDTHS



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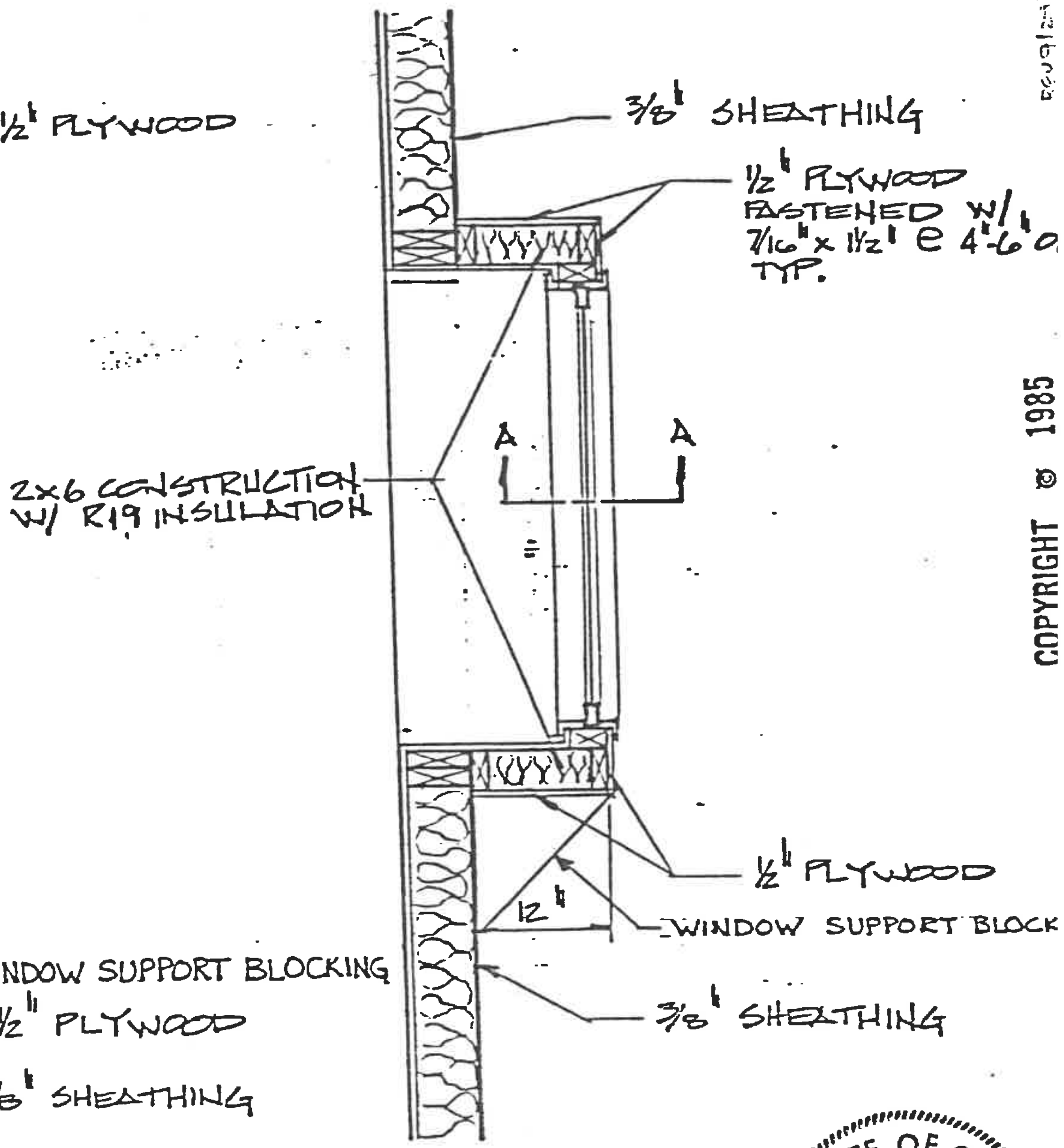

SECTION A-A

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

PLAN

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

SIDEWALL BOX WINDOW (OPT.)

NOTE: 12' & 13' WIDE MODULES ONLY!

ON 14' WIDE UNITS BOX WINDOWS ARE SHIPPED LOOSE

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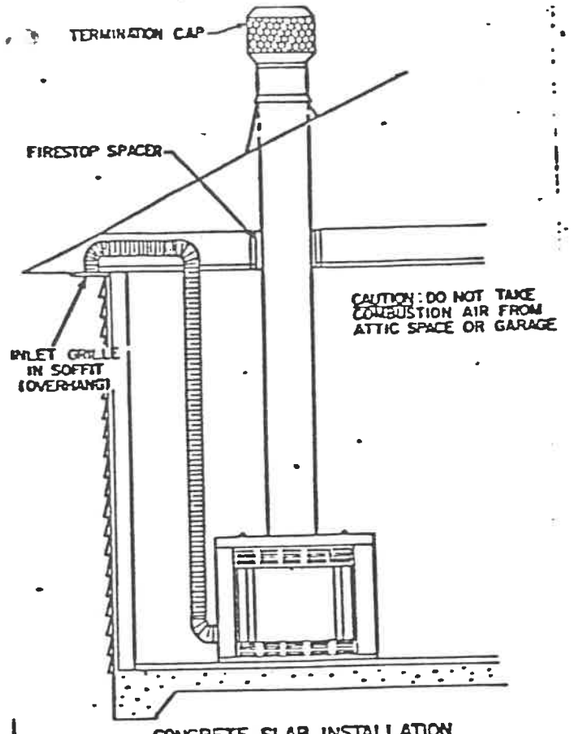
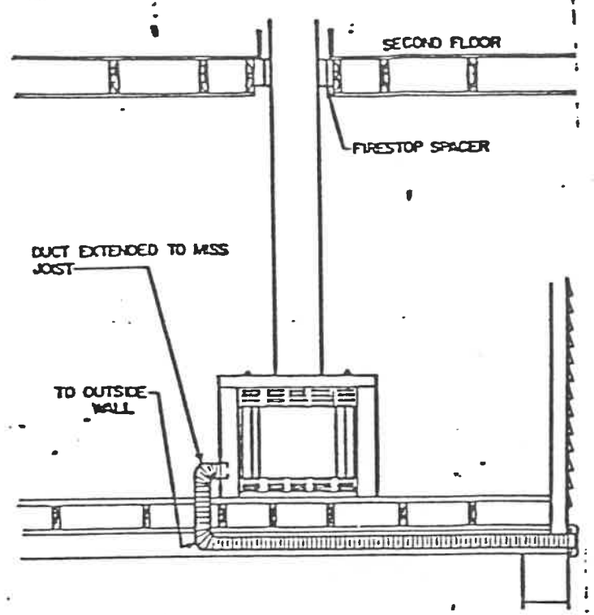
9-29-85

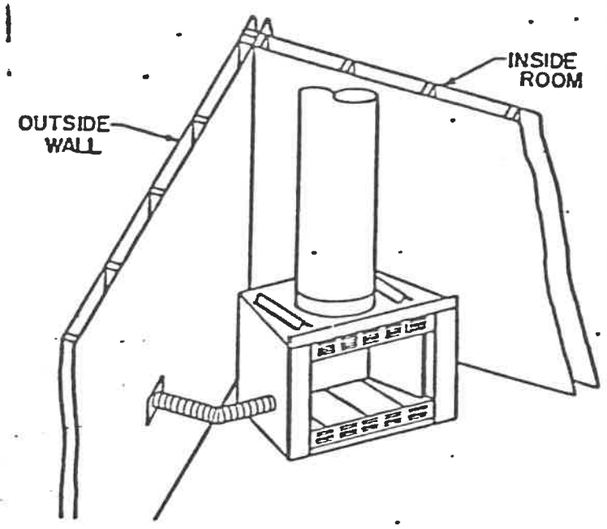
FIRE PLACE DETAILS



CONCRETE SLAB INSTALLATION

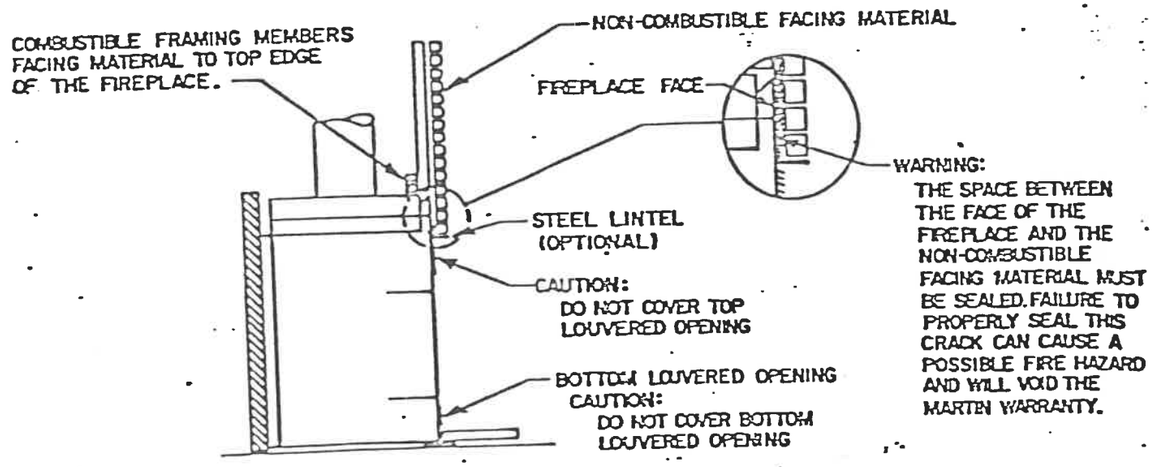


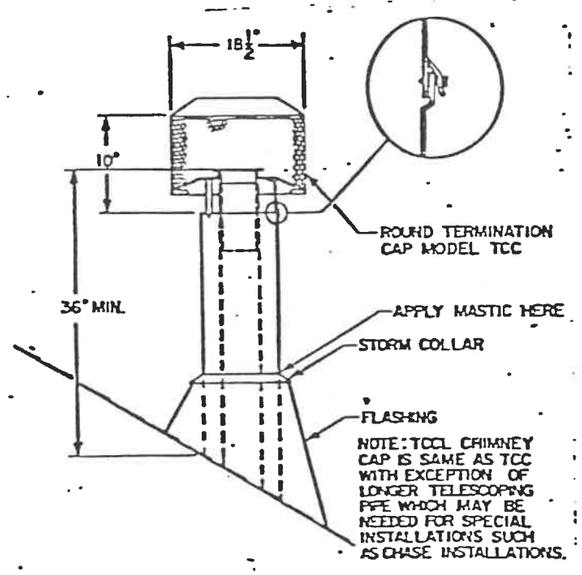
INSTALLATION ABOVE BASEMENT OR CRAWL SPACE



45° CORNER INSTALLATION- (ONE WALL, INSIDE ROOM)

INSTALLATION OF NON-COMBUSTIBLE FACING MATERIALS TO THE FRONT FACE OF THE FIREPLACE





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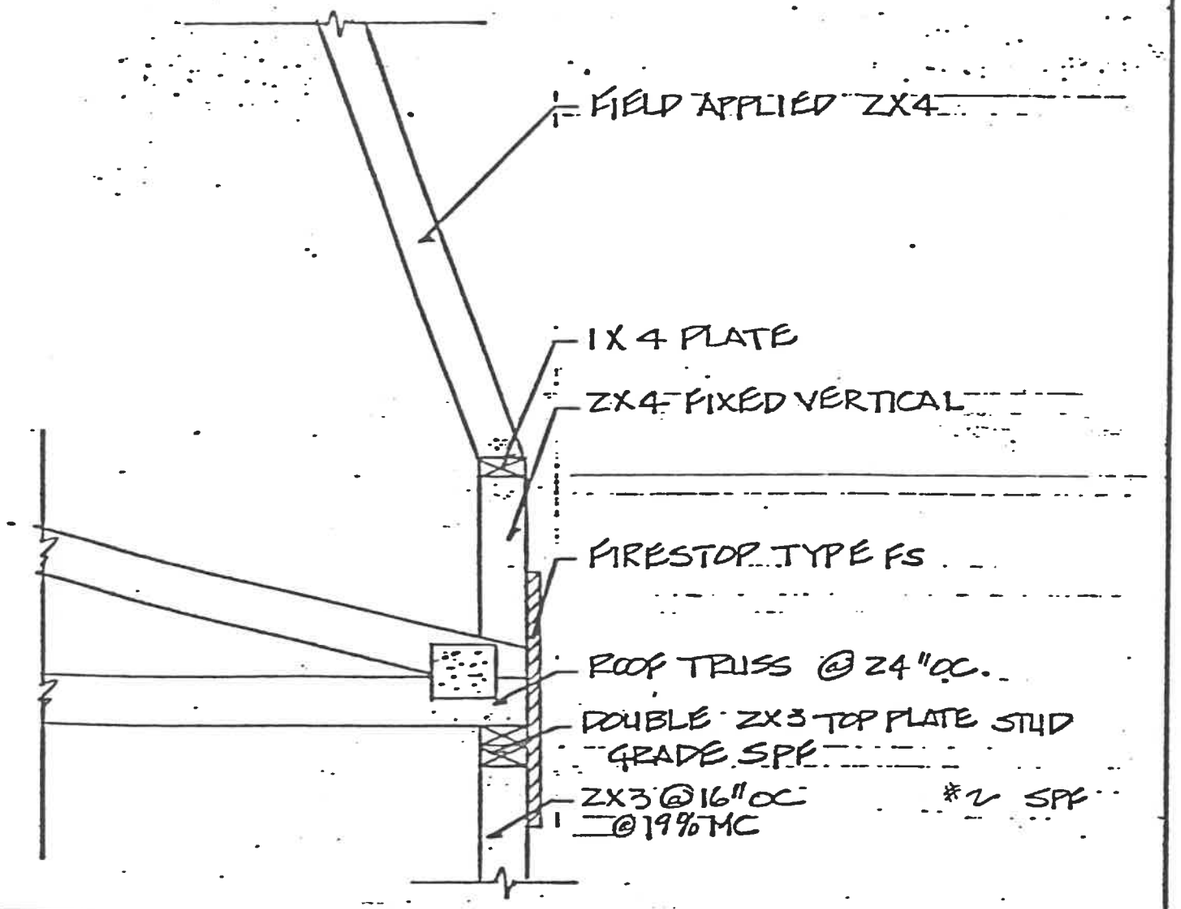
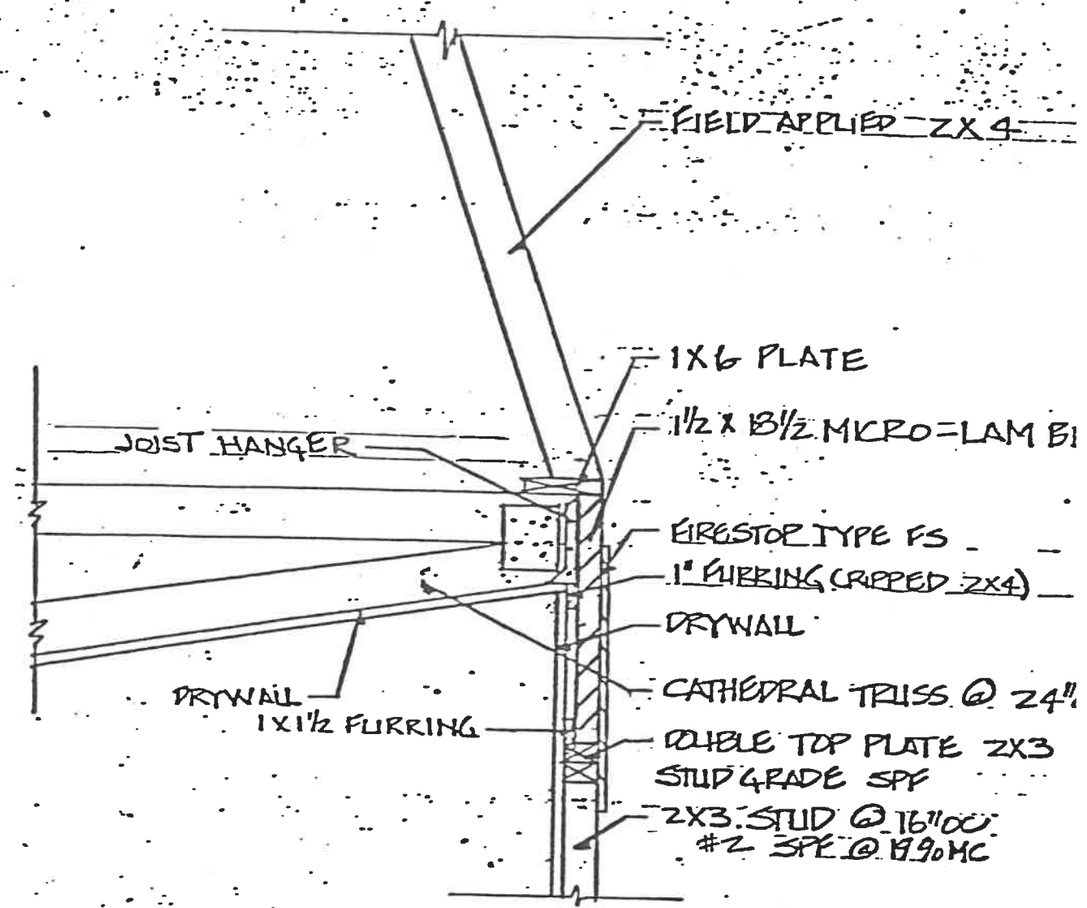
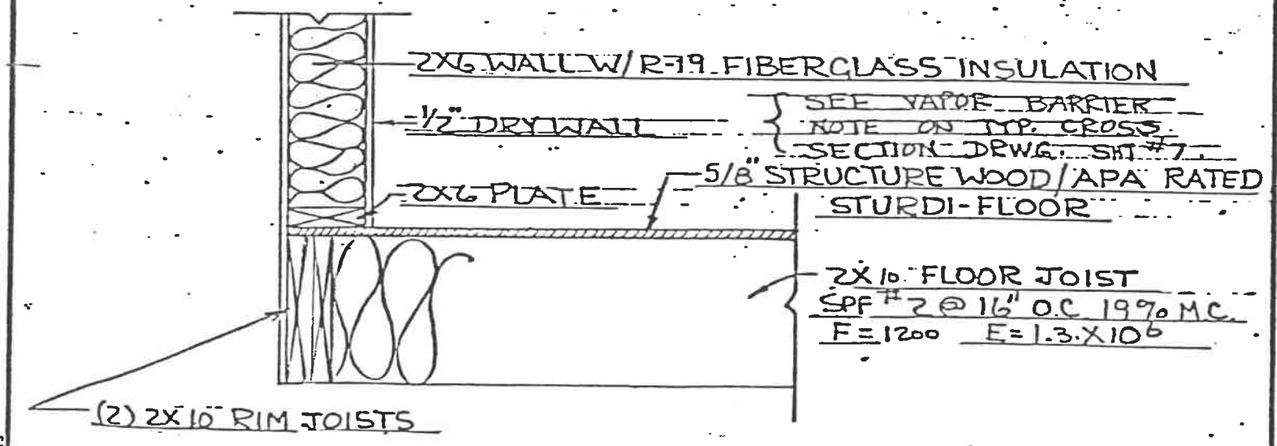


DETAIL E - STANDARD ROOF TRUSS



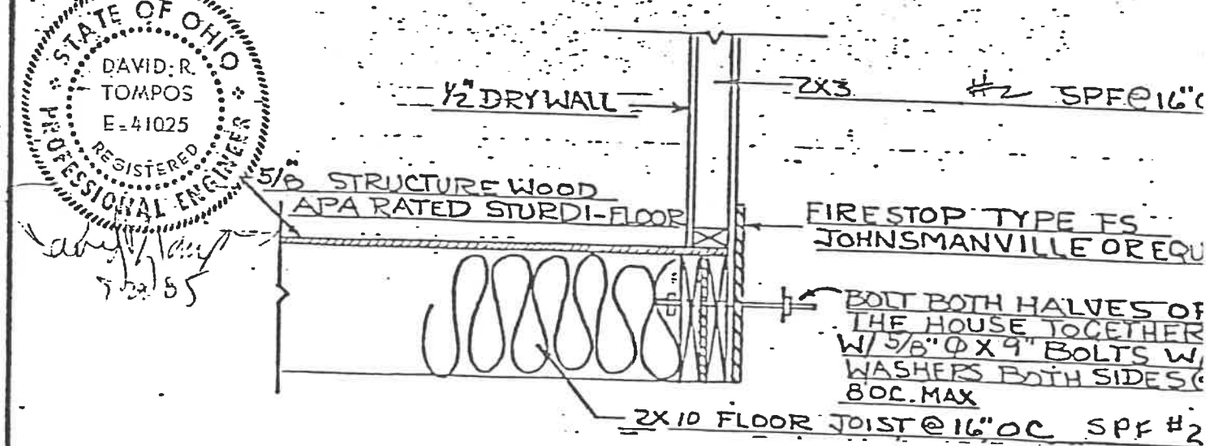
DETAIL E-1 CATHEDRAL ROOF TRUSS

FLOOR JOIST@ -OUTSIDE WALL

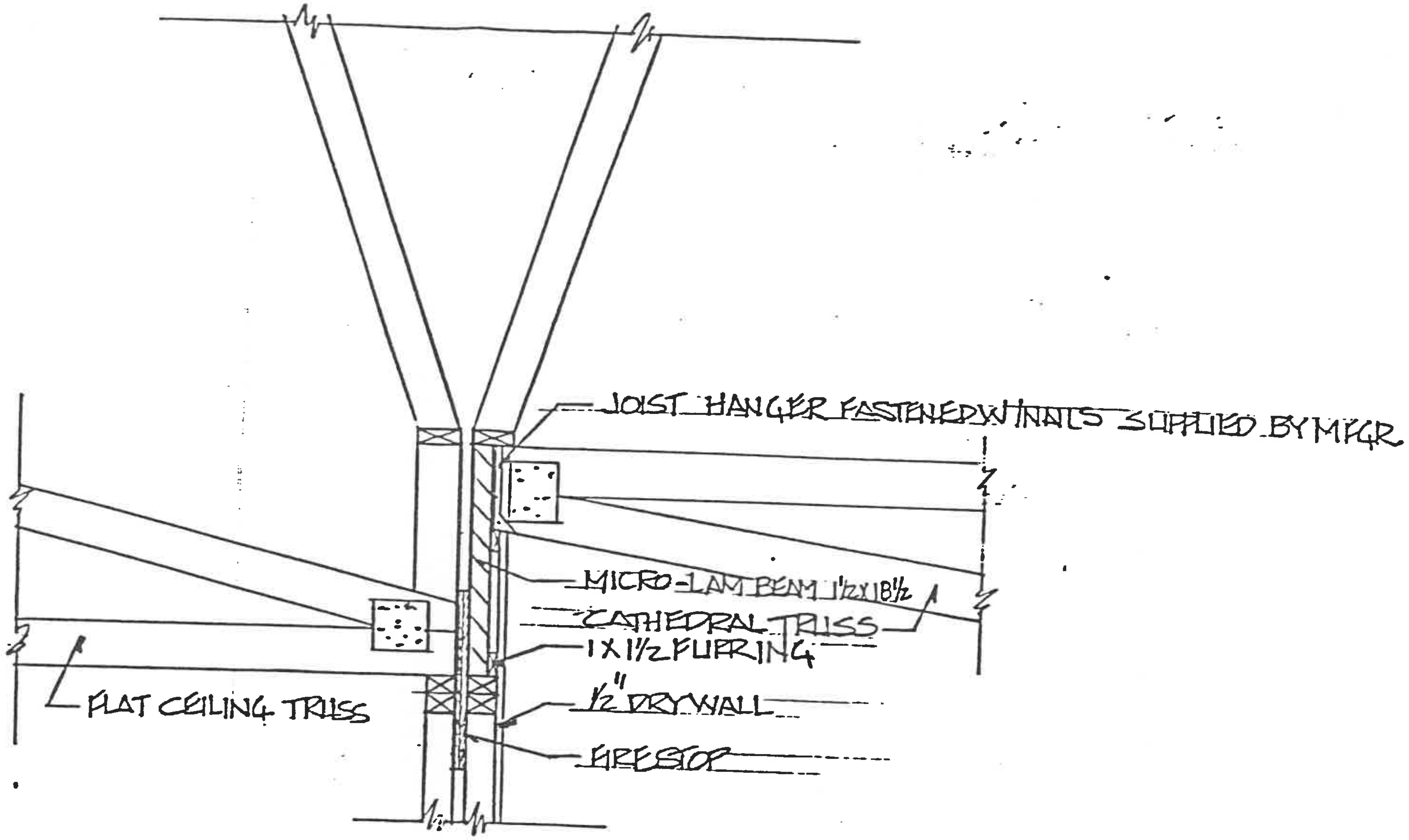


DETAIL "B"

FLOOR JOIST@ MARRIAGE WALL



DETAIL "C"



MARRIAGE WALL W/FLAT
CEILING & CATHEDRAL

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