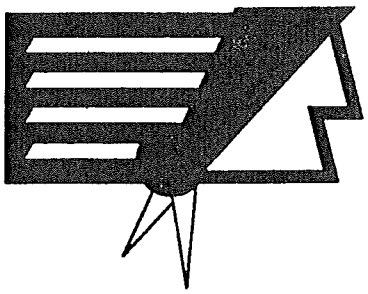
Jan 26, 1993

CHIEF INDUSTRIES, INC.



HOUSING DIVISION

AURORA INDUSTRIAL SITE
West Hiway 34
Aurora, NE

FIELD INSTALLATION MANUAL SINGLE SECTION HOME

January 26,1993

CHIEF INDUSTRIES, INC.
HOUSING DIVISION

----CONTENTS----

This booklet contains **Field Installation Specifications** for all Chief Industries, Inc., Housing Division Single Section Homes, per category as follows:

SECTION I SERVICE LOCATION - Single Section by Model

SECTION II PIER CONSTRUCTION - Single Section Homes

SECTION III SUPPORT BLOCKING - Single Section Homes

SECTION IV CRAWL SPACE CONSTRUCTION - Single Section Homes

SECTION V PERIMETER BLOCKING - Single Section Homes

SECTION VI TYPICAL ANCHORAGE & FOOTINGS INSTRUCTIONS

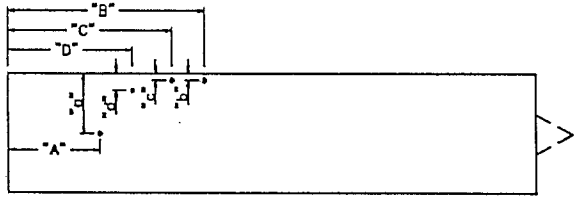
SECTION VII SITE ASSEMBLY INSTRUCTIONS - Single Section Homes

SECTION I

SERVICE ENTRANCE LOCATIONS

Single Section Homes

CHIEF INDUSTRIES, HOUSING DIVISION
SERVICE ENTRANCE LOCATIONS
SINGLE SECTION



"A" – DRAIN DIM. FROM REAR
"B" – WATER " " "
"C" – GAS " " "
"D" – ELECT. " " "

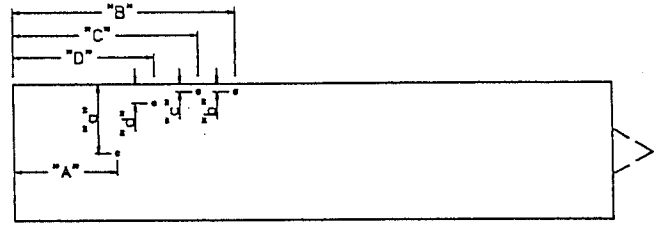
"a" – DRAIN DIM. FROM ROADSIDE
"b" – WATER " " "
"c" – GAS " " "
"d" – ELECT. " " "

MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
260CA–39	26'–0"	9'–2"	11'–1"	1'–1"	32'–2"	1'–0"	18'–0"	Sidewall
260CB–39	26'–0"	9'–2"	11'–1"	1'–1"	23'–10"	1'–0"	18'–0"	Sidewall
270CA–39	31'–4"	9'–0"	12'–5"	1'–1"	34'–10"	1'–0"	26'–0"	Sidewall
270CB–39	35'–4"	9'–3"	11'–7"	1'–1"	29'–8 3/4"	1'–0"	16'–8"	Sidewall
270CC–39	31'–4"	9'–0"	11'–7"	1'–1"	34'–10"	1'–0"	16'–8"	Sidewall
270CD–39	30'–0"	8'–4"	30'–0"	1'–1"	23'–10"	1'–0"	3'–4"	Sidewall
280CA–39	38'–0"	9'–3"	14'–3"	1'–1"	15'–10"	1'–0"	19'–4"	Sidewall
360CA–39	26'–0"	10'–2"	11'–1"	1'–1"	24'–2"	1'–0"	18'–0"	Sidewall
360CB–39	26'–0"	10'–2"	11'–1"	1'–1"	24'–2"	1'–0"	18'–0"	Sidewall
370CA–39	38'–0"	10'–2"	12'–5"	1'–1"	34'–10"	1'–0"	26'–0"	Sidewall
370CB–39	34'–0"	9'–0"	11'–7"	1'–1"	29'–6"	1'–0"	16'–8"	Sidewall
370CC–39	38'–0"	10'–2"	11'–7"	1'–1"	29'–6"	1'–0"	16'–8"	Sidewall
370CD–39	30'–0"	9'–6"	30'–0"	1'–1"	23'–10"	1'–0"	3'–4"	Sidewall
380CA–39	38'–0"	9'–0"	14'–3"	1'–1"	26'–6"	1'–0"	20'–3"	Sidewall
380CB–39	38'–0"	9'–6"	23'–7"	1'–1"	43'–10"	1'–0"	3'–4"	Sidewall
270BA–39	32'–8"	6'–11"	5'–7"	1'–1"	34'–6"	1'–0"	23'–10"	1'–8"
270BB–39	31'–4"	9'–2"	17'–6"	1'–1"	34'–6"	1'–0"	24'–8"	Sidewall
270BC–39	32'–8"	9'–2"	0'–8"	1'–1"	29'–6"	1'–0"	19'–10"	1'–8"
270BD–39	30'–0"	8'–7"	5'–6"	1'–1"	23'–10"	1'–0"	3'–4"	Sidewall
270BE–39	36'–8"	6'–4"	9'–2"	1'–1"	34'–6"	1'–0"	17'–9"	1'–8"
280BC–39	25'–8"	8'–11"	6'–2"	1'–1"	39'–10"	1'–0"	24'–5"	1'–6"
370BA–39	32'–8"	8'–3"	5'–7"	1'–1"	34'–6"	1'–0"	23'–10"	1'–8"
370BB–39	31'–4"	8'–10"	17'–6"	1'–1"	34'–6"	1'–0"	24'–8"	Sidewall
370BC–39	32'–8"	9'–0"	0'–8"	1'–1"	29'–6"	1'–0"	19'–10"	1'–8"
370BD–39	30'–0"	9'–6"	5'–5"	1'–1"	23'–10"	1'–0"	3'–4"	Sidewall
370BE–39	36'–8"	8'–2"	9'–2"	1'–1"	22'–10"	1'–0"	17'–9"	1'–5"
376BA–39	39'–4"	7'–8"	8'–9"	1'–1"	36'–2"	1'–0"	7'–4"	Sidewall
380BA–39	39'–4"	7'–8"	8'–9"	1'–1"	36'–2"	1'–0"	7'–4"	Sidewall
380BB–39	38'–0"	7'–4"	0'–8"	1'–1"	36'–2"	1'–0"	11'–4"	15'–4"
380BC–39	25'–8"	9'–4"	6'–4"	1'–1"	39'–10"	1'–0"	24'–5"	1'–5"
380BD–39	38'–0"	6'–3"	21'–2"	1'–1"	44'–2"	1'–0"	18'–0"	Sidewall
380BE–39	38'–0"	8'–7"	24'–9"	1'–1"	35'–10"	1'–0"	19'–4"	Sidewall
380BF–39	38'–0"	7'–2"	18'–0"	1'–1"	44'–2"	1'–0"	23'–9"	1'–8"
380BG–39	38'–0"	9'–0"	0'–8"	1'–1"	15'–10"	1'–0"	19'–4"	Sidewall
370AA–39	38'–0"	9'–10"	24'–8"	1'–1"	34'–6"	1'–0"	16'–8"	Sidewall
370AB–39	34'–0"	8'–11"	9'–10"	1'–1"	36'–2"	1'–0"	15'–4"	Sidewall
376AA–39	31'–4"	9'–3"	6'–11"	1'–1"	32'–2"	1'–0"	31'–4"	Sidewall
380AA–39	38'–0"	9'–3"	6'–11"	1'–1"	39'–10"	1'–0"	32'–8"	Sidewall
380AB–39	38'–0"	9'–3"	30'–10"	1'–1"	43'–10"	1'–0"	28'–8"	Sidewall
380AC–39	38'–0"	9'–3"	39'–3"	1'–1"	47'–10"	1'–0"	23'–10"	1'–5"
380AD–39	38'–0"	9'–10"	24'–8"	1'–1"	36'–4"	1'–0"	16'–8"	Sidewall
380AE–39	38'–0"	5'–6"	18'–10"	1'–1"	44'–2"	1'–0"	25'–1"	Sidewall
380AF–39	42'–0"	8'–11"	9'–10"	1'–1"	36'–4"	1'–0"	15'–4"	Sidewall
380AG–39	38'–0"	6'–3"	6'–11"	1'–1"	51'–10"	1'–0"	19'–6"	1'–9"

CHIEF INDUSTRIES, HOUSING DIVISION

SERVICE ENTRANCE LOCATIONS

SINGLE SECTION



"A" – DRAIN DIM. FROM REAR
"B" – WATER " " "
"C" – GAS " " "
"D" – ELECT. " " "

"a" – DRAIN DIM. FROM ROADSIDE
"b" – WATER " " "
"c" – GAS " " "
"d" – ELECT. " " "

MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
270SB–29								
270SC–29								
270SD–29								
280SB–29								
370SA–29	32'–8"	9'–1"	11'–1"	1'–1"	30'–10"	1'–0"	17'–3"	1'–6"
370SB–29								
370SC–29	31'–4"	7'–2"	10'–9"	1'–1"	34'–6"	1'–0"	13'–4 1/4"	18'–11"
370SD–29								
380SA–29	38'–0"	6'–3"	8'–8"	1'–1"	43'–0"	1'–0"	22'–0"	15'–4"
380SB–29	36'–8"	7'–2"	33'–11"	1'–1"	43'–10"	1'–0"	24'–8"	15'–4"
380SC–29	38'–0"	7'–0"	37'–2"	1'–1"	43'–10"	1'–0"	19'–0"	1'–6"
380SD–29	36'–8"	7'–4"	24'–2"	1'–1"	22'–10"	1'–0"	14'–0"	Sidewall
380SE–29	40'–8"	9'–4"	9'–8"	1'–1"	26'–6"	1'–0"	15'–10"	1'–6"
380SF–29	38'–0"	5'–7"	25'–11"	1'–1"	48'–10"	1'–0"	66'–0"	15'–2"
260UA–29	26'–0"	4'–9"	9'–6"	1'–1"	18'–10 3/4"	1'–0"	18'–0"	13'–6"
270UA–29								

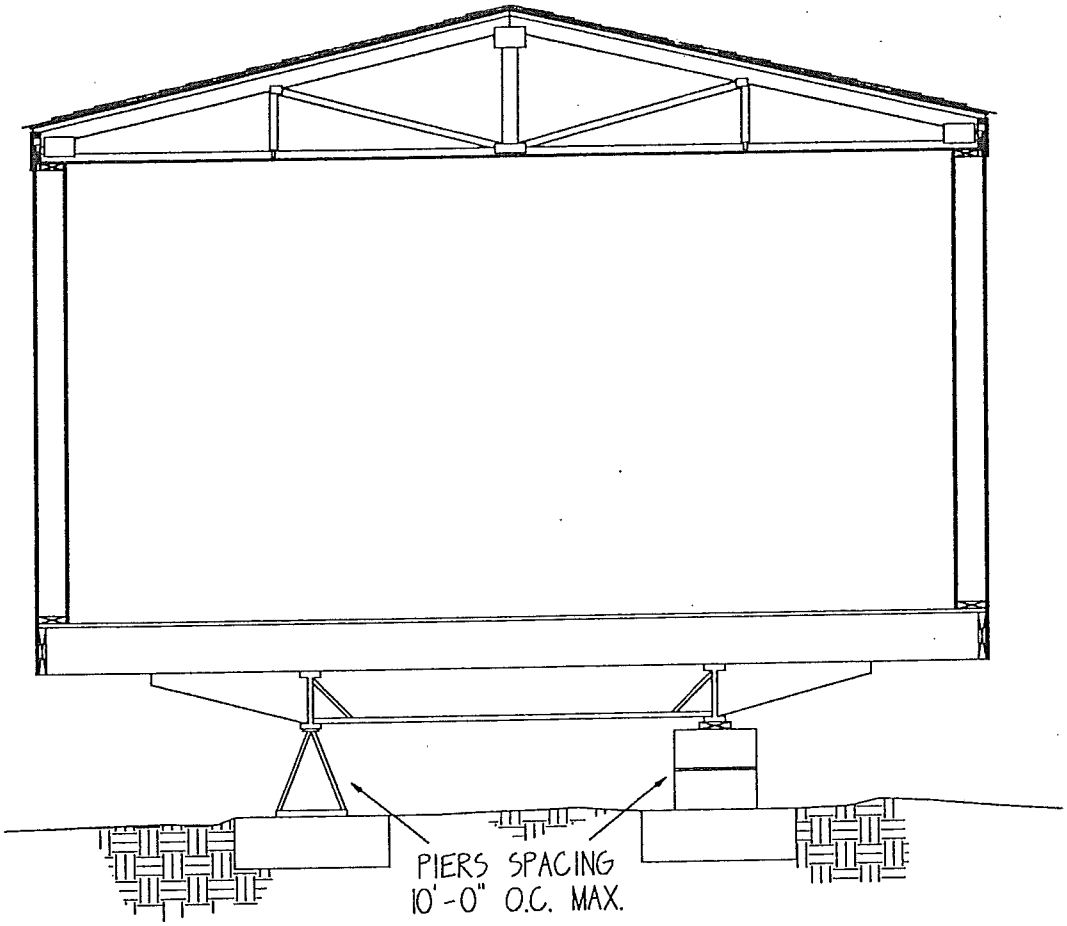
MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
270UB–29	31'–4"	9'–3"	11'–7"	1'–1"	23'–0"	1'–0"	16'–8"	Sidewall
270UC–29								
270UD–29	38'–0"	5'–0"	9'–11"	1'–1"	29'–6"	1'–0"	16'–8"	13'–6"
270UE–29	38'–0"	9'–0"	11'–7"	1'–1"	22'–10"	1'–0"	16'–8"	Sidewall
280UA–29								
280UB–29								
280UC–29	38'–0"	8'–7"	23'–8"	1'–1"	44'–2"	1'–0"	15'–4"	Sidewall
360UA–29	26'–0"	6'–0"	9'–6"	1'–1"	19'–8"	1'–0"	18'–0"	13'–6"
370UA–29	38'–0"	9'–6"	11'–8"	1'–1"	34'–10"	1'–0"	16'–8"	Sidewall
370UB–29	31'–4"	9'–6"	11'–7"	1'–1"	23'–10"	1'–0"	16'–8"	Sidewall
370UC–29	31'–4"	9'–6"	11'–7"	1'–1"	34'–10"	1'–0"	16'–8"	Sidewall
370UD–29	38'–0"	6'–0"	9'–11"	1'–1"	29'–6"	1'–0"	16'–8"	13'–6"
370UE–29	38'–0"	9'–6"	11'–7"	1'–1"	22'–6"	1'–0"	16'–8"	Sidewall
380UA–29	38'–0"	10'–0"	28'–9"	1'–1"	52'–2"	1'–0"	21'–8"	1'–6"
380UB–29	38'–0"	9'–6"	14'–3"	1'–1"	29'–2"	1'–0"	19'–4"	Sidewall
380UC–29	38'–0"	9'–9"	23'–8"	1'–1"	44'–2"	1'–0"	15'–4"	Sidewall

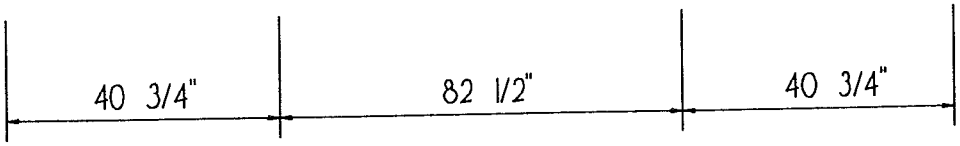
SECTION II

PIER CONSTRUCTION

Single Section Homes

CONCRETE PIER CONSTRUCTION





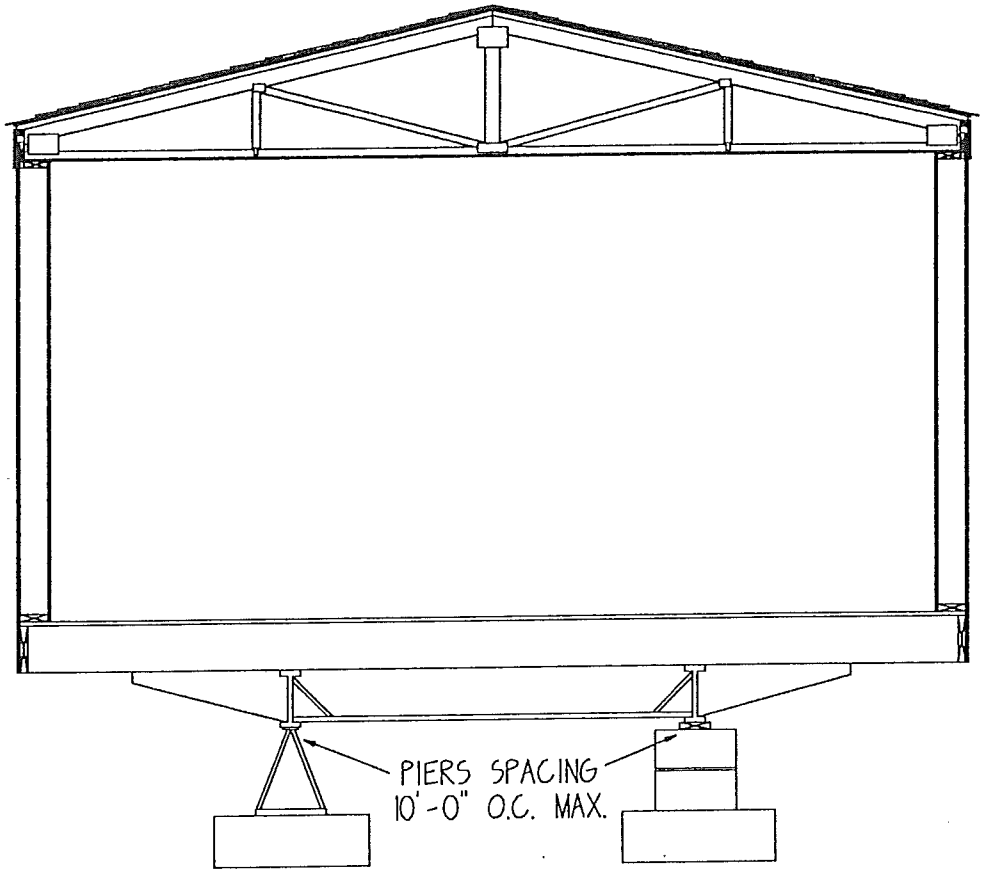
14' SINGLE WIDE
ACTUAL FLOOR DIMENSION 13'-8"

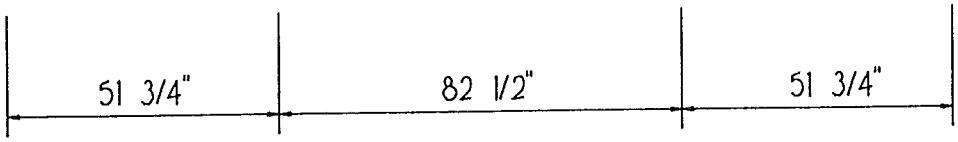
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/20/93
CHKD. BY:		
SCALE:	NONE	

CONCRETE PIER CONSTRUCTION





16' SINGLE WIDE
ACTUAL FLOOR DIMENSION 15'-6"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/21/93
CHKD. BY:		
SCALE:	NONE	

SECTION III

SUPPORT BLOCKING

Single Section Homes

SUPPORT BLOCKING – 40'S.W.

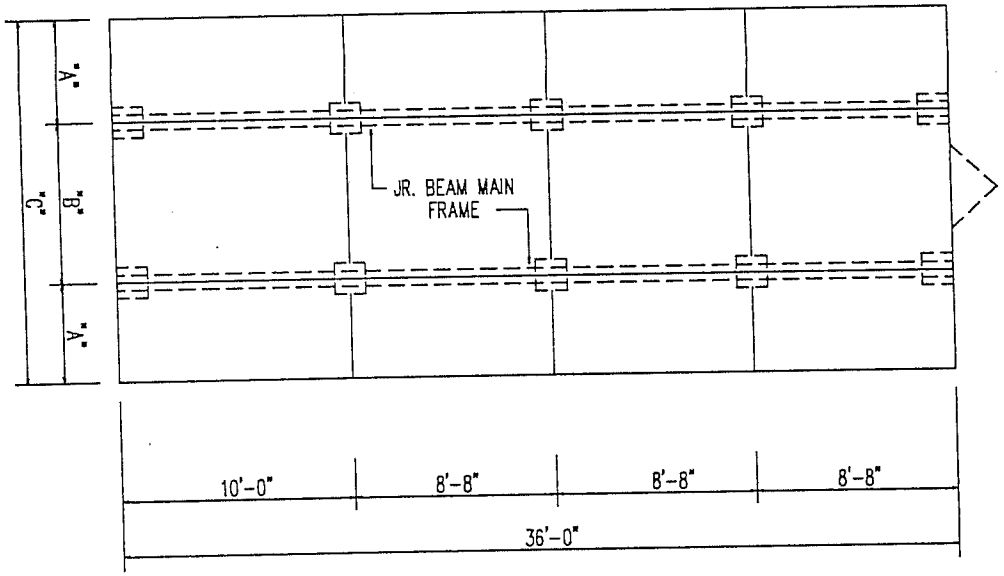
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ
CHKD. BY:
SCALE: NOT TO SCALE
1/21/93

MODEL	"A"	"B"	"C"
14'x40'	40 3/4"	82 1/2"	13'-8"
16'x40'	51 3/4"	82 1/2"	15'-6"

FRONT

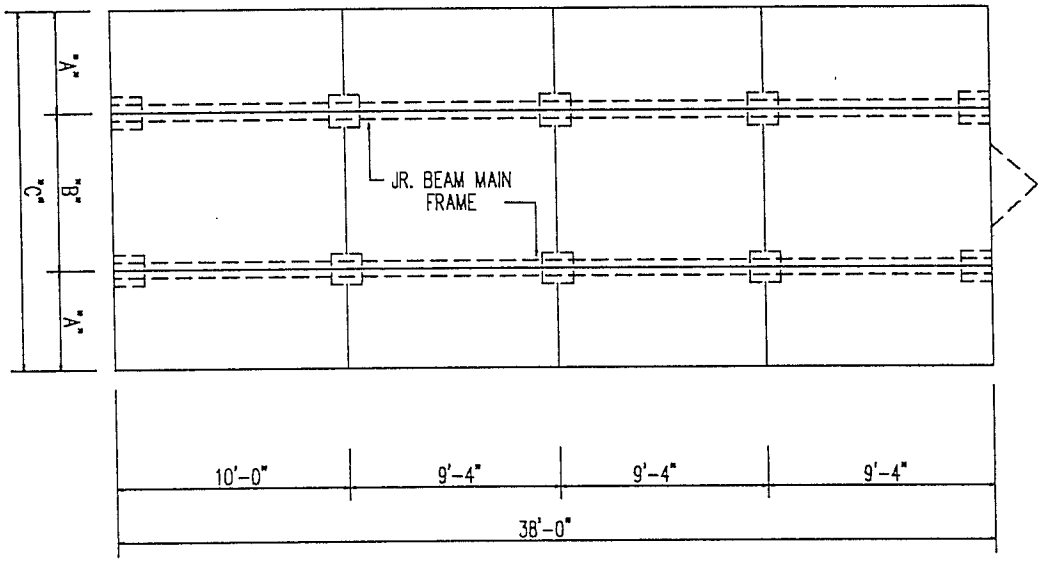


NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

SUPPORT BLOCKING – 42'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x42'	40 3/4"	82 1/2"	13'-8"
16'x42'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

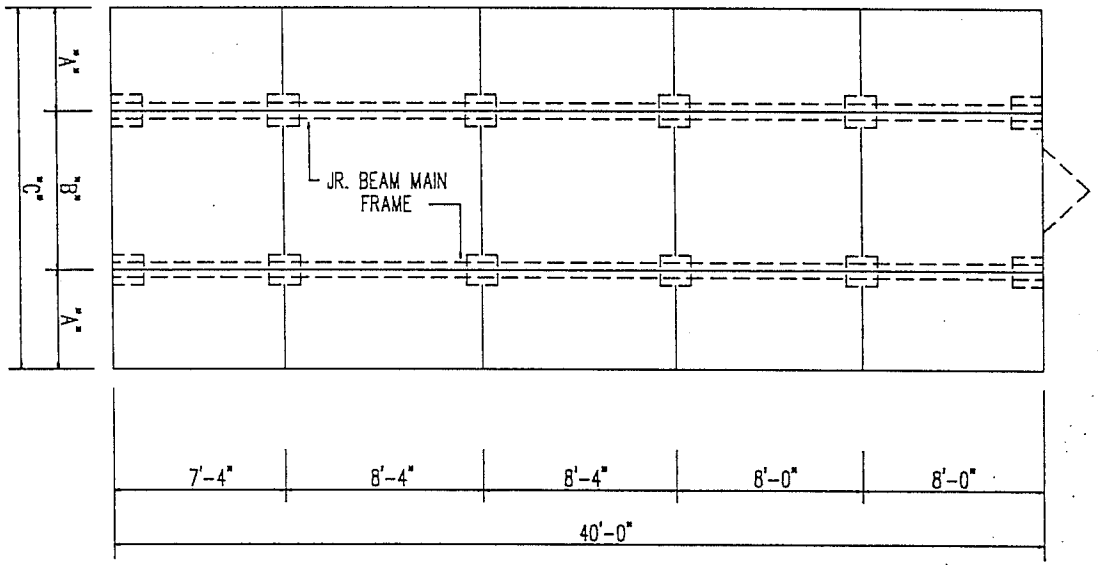
DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING – 44'S.W.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

FRONT



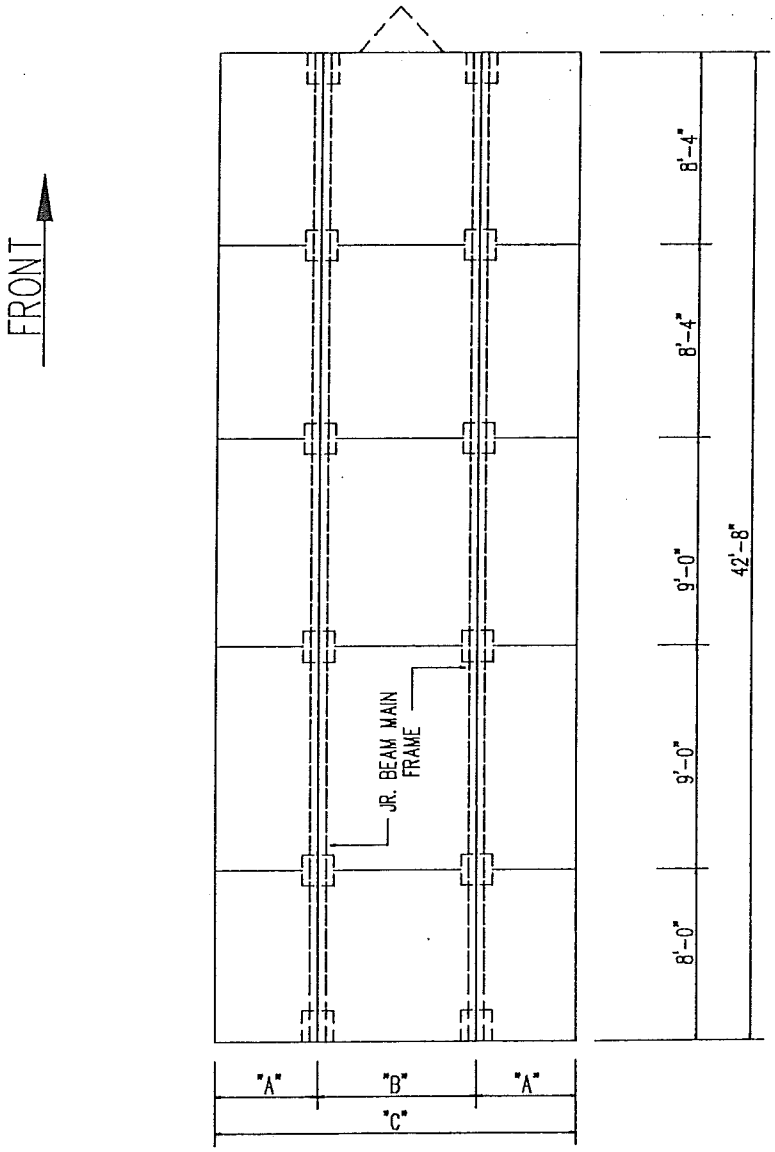
MODEL	"A"	"B"	"C"
14'x44'	40 3/4"	82 1/2"	13'-8"
16'x44'	51 3/4"	82 1/2"	15'-6"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING – 46'S.W.



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

MODEL	"A"	"B"	"C"
14'x46'	40 3/4"	82 1/2"	13'-8"
16'x46'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/21/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

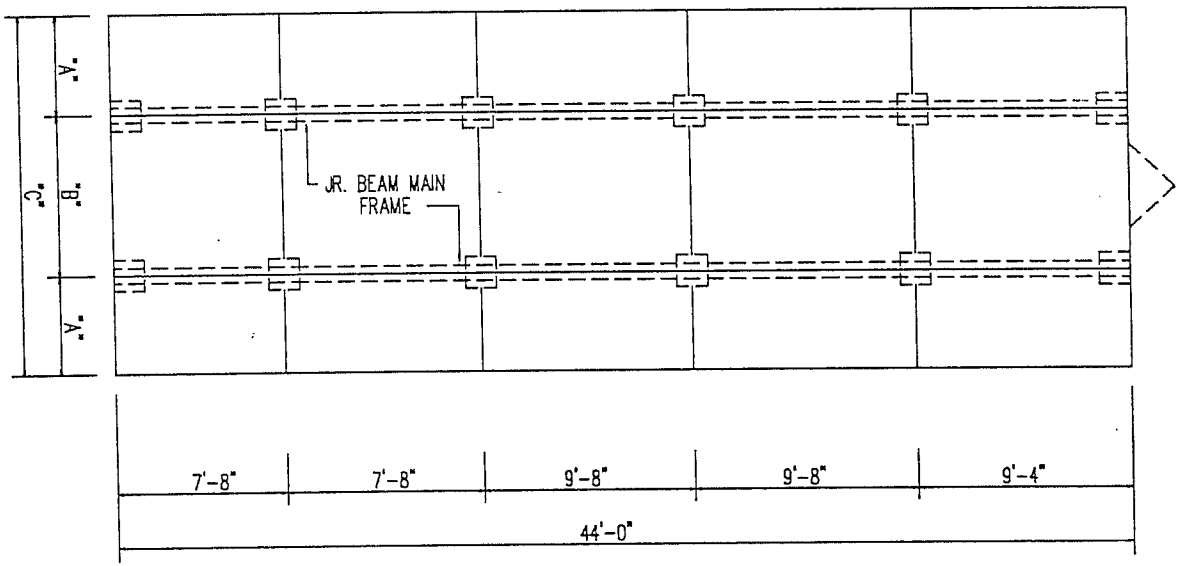
SUPPORT BLOCKING – 48'S.W.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ
CHKD. BY:
SCALE: NOT TO SCALE
1/21/93

FRONT

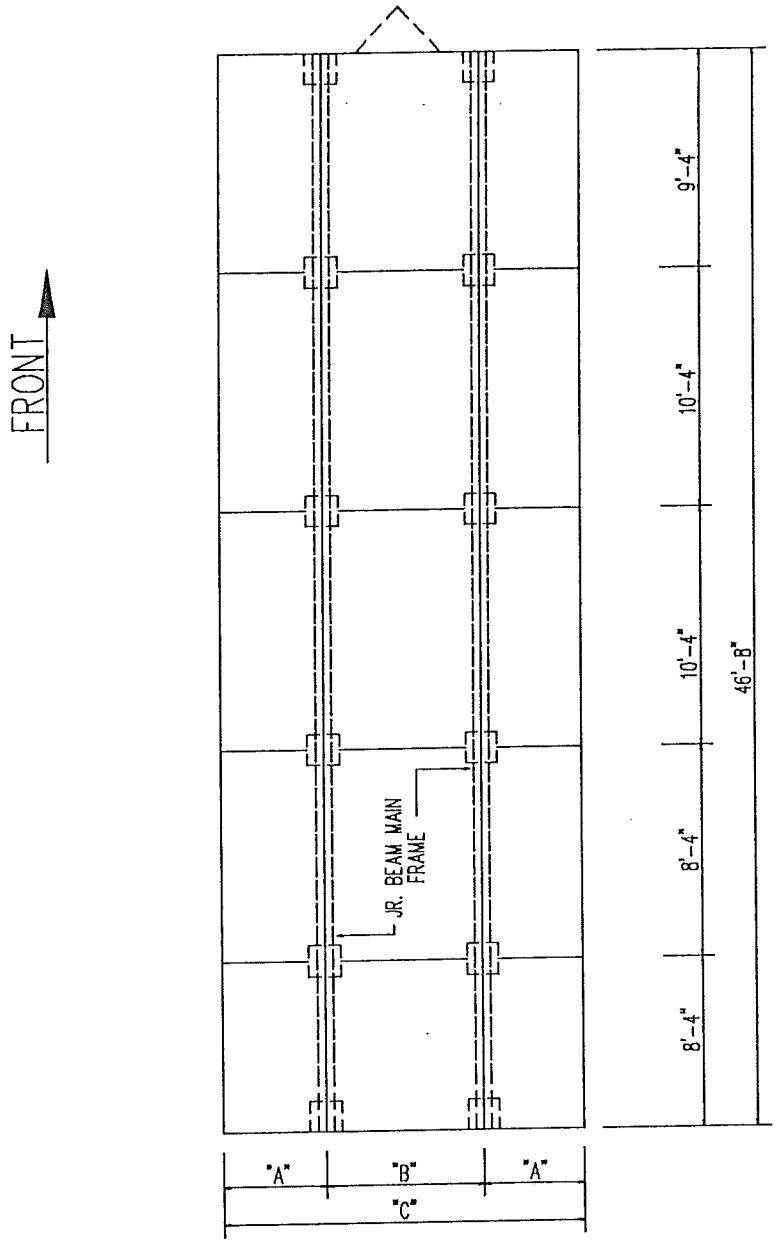


MODEL	"A"	"B"	"C"
14'x48'	40 3/4"	82 1/2"	13'-8"
16'x48'	51 3/4"	82 1/2"	15'-6"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

SUPPORT BLOCKING – 50'S.W.



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

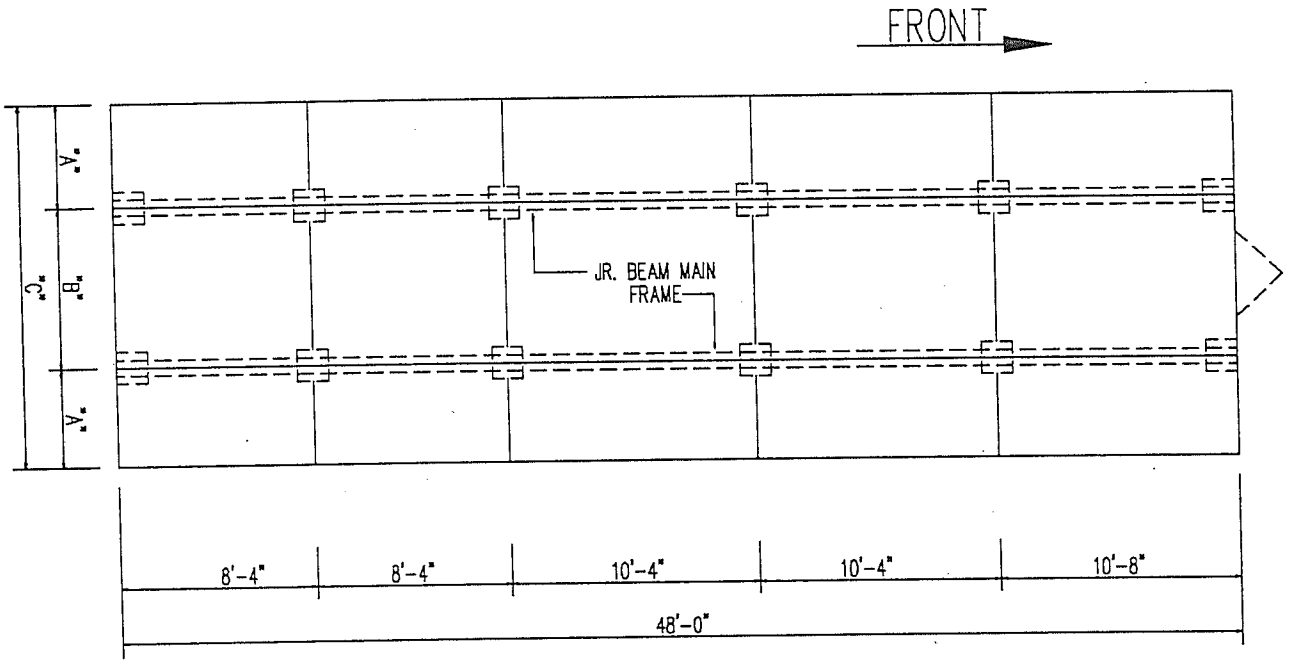
REVISIONS	DATE

MODEL	"A"	"B"	"C"
14'x50'	40 3/4"	82 1/2"	13'-8"
16'x50'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ	1/21/93
CHKD. BY:	
SCALE: NOT TO SCALE	

SUPPORT BLOCKING – 52'S.W.



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x52'	40 3/4"	82 1/2"	13'-8"
16'x52'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

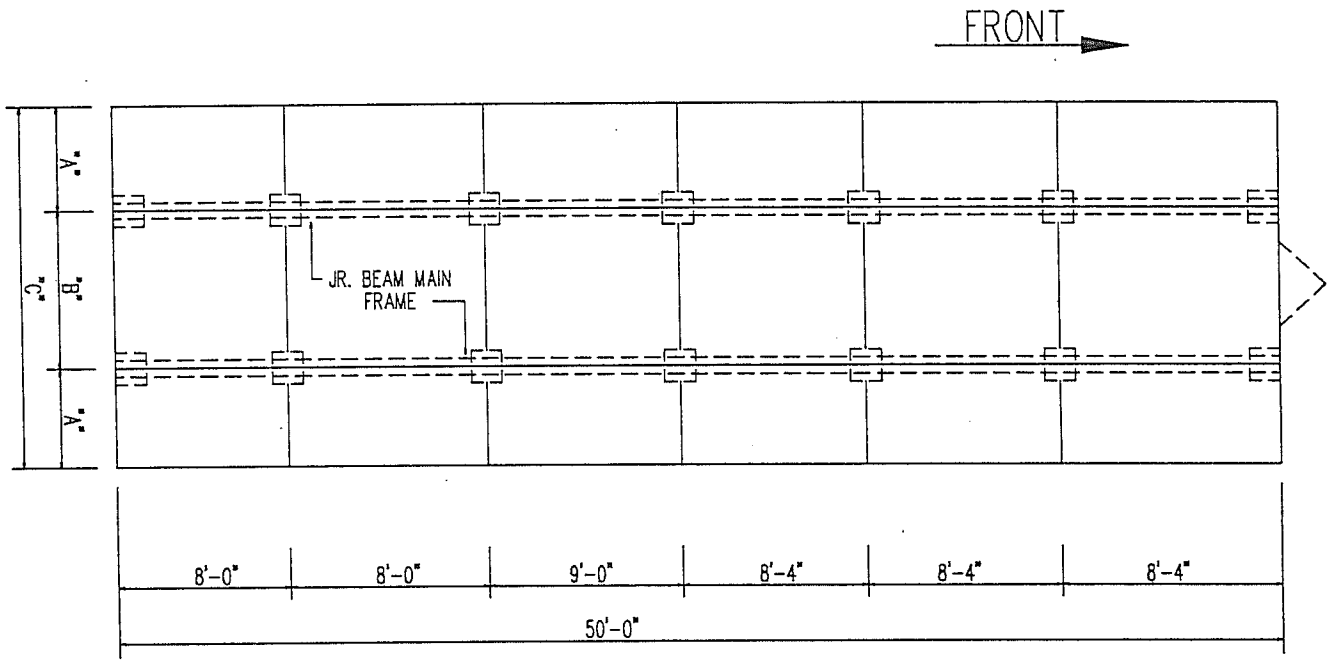
SUPPORT BLOCKING – 54'S.W.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

MODEL	"A"	"B"	"C"
14'x54'	40 3/4"	82 1/2"	13'-8"
16'x54'	51 3/4"	82 1/2"	15'-6"



NOTE:

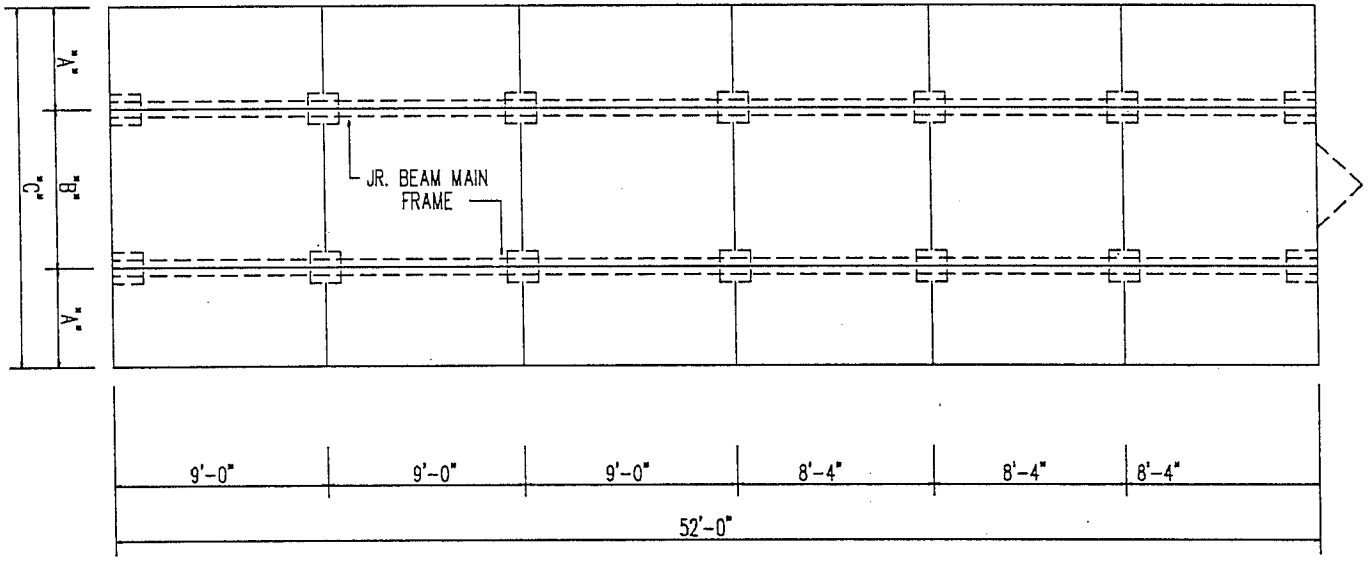
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

SUPPORT BLOCKING – 56'S.W.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

FRONT



MODEL	"A"	"B"	"C"
14'x56'	40 3/4"	82 1/2"	13'-8"
16'x56'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 12/17/92
CHKD. BY:
SCALE: NOT TO SCALE

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

SUPPORT BLOCKING – 58'S.W.

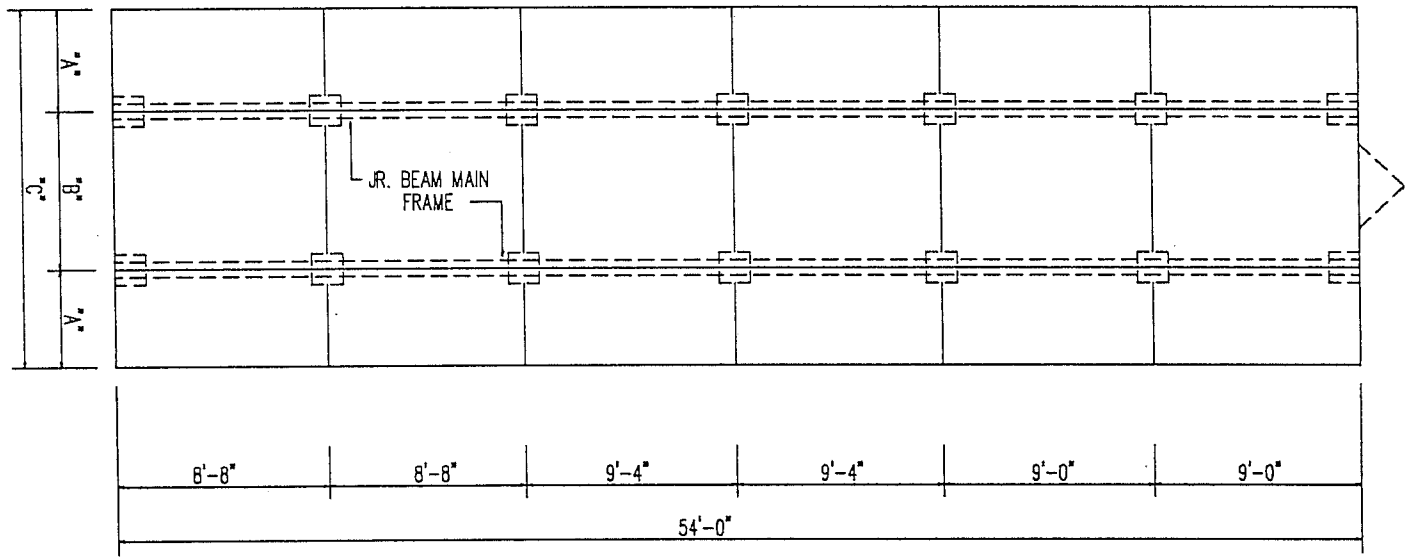
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWN. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

MODEL	"A"	"B"	"C"
14'x58'	40 3/4"	82 1/2"	13'-8"
16'x58'	51 3/4"	82 1/2"	15'-6"

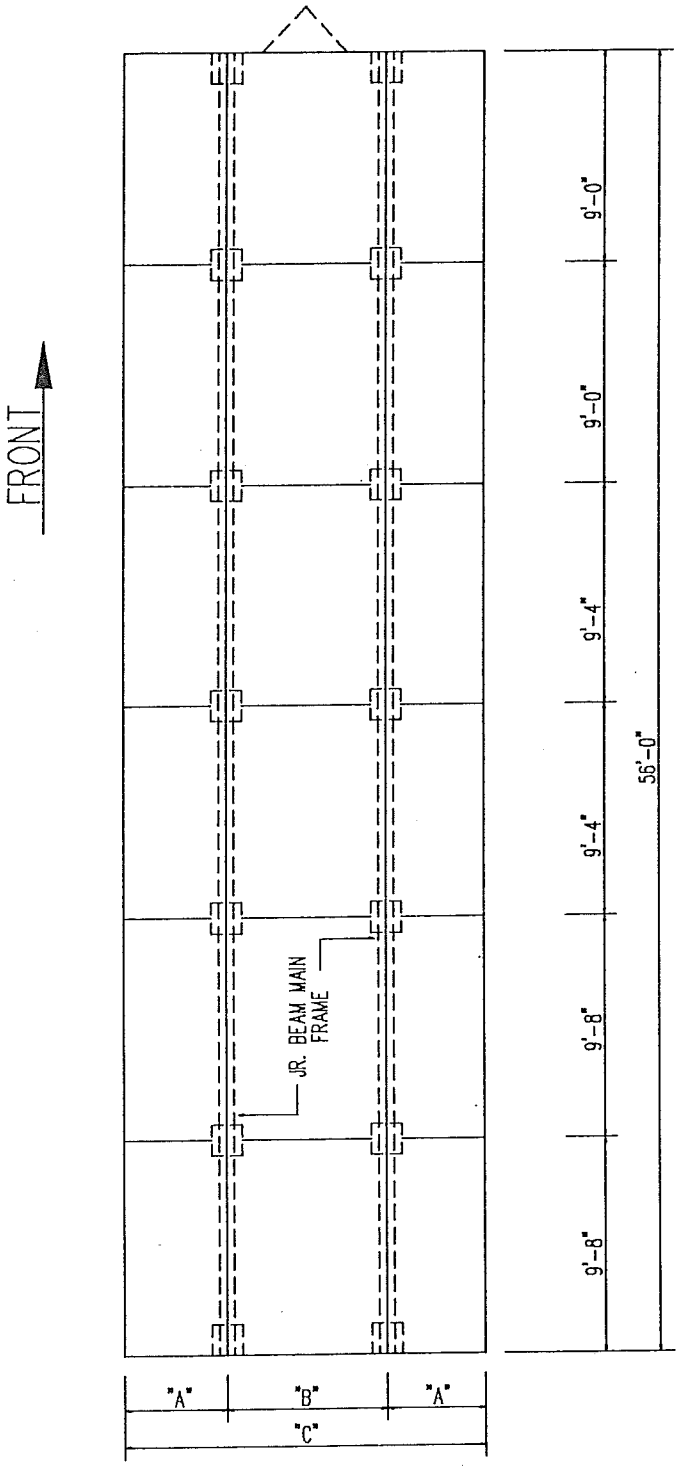
FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

SUPPORT BLOCKING – 60'S.W.



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

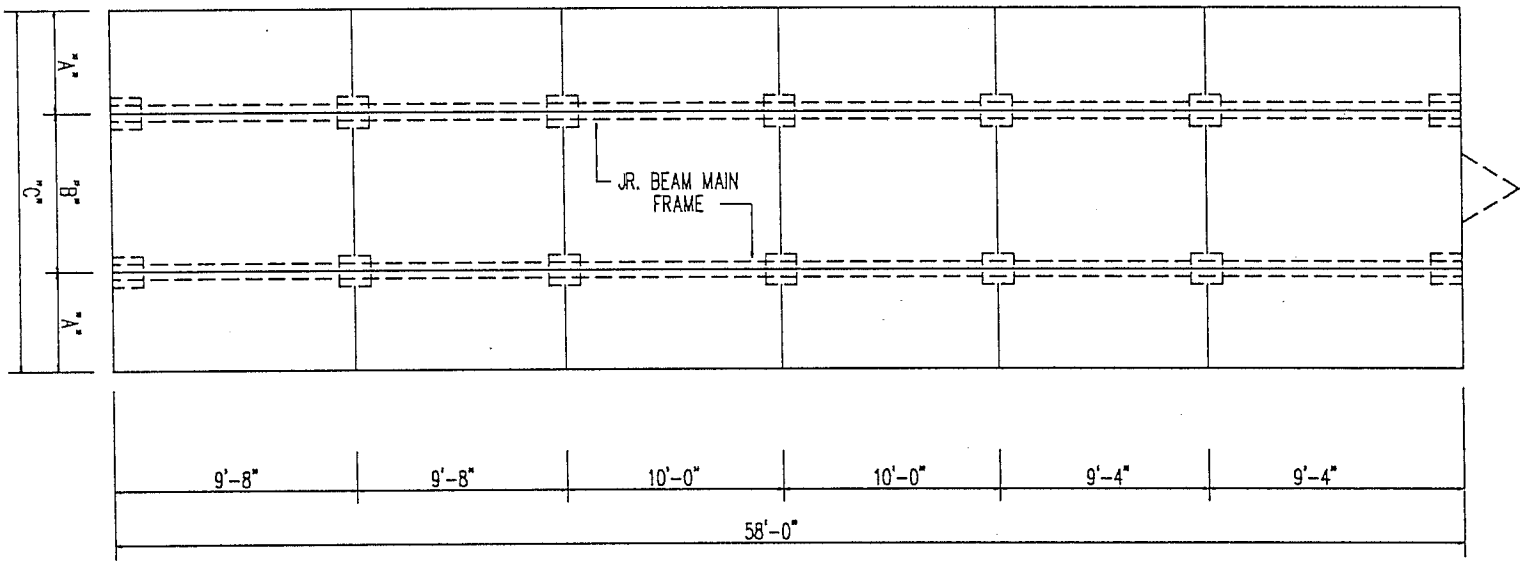
MODEL	"A"	"B"	"C"
14'x60'	40 3/4"	82 1/2"	13'-8"
16'x60'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/21/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING – 62'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x62'	40 3/4"	82 1/2"	13'-8"
16'x62'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

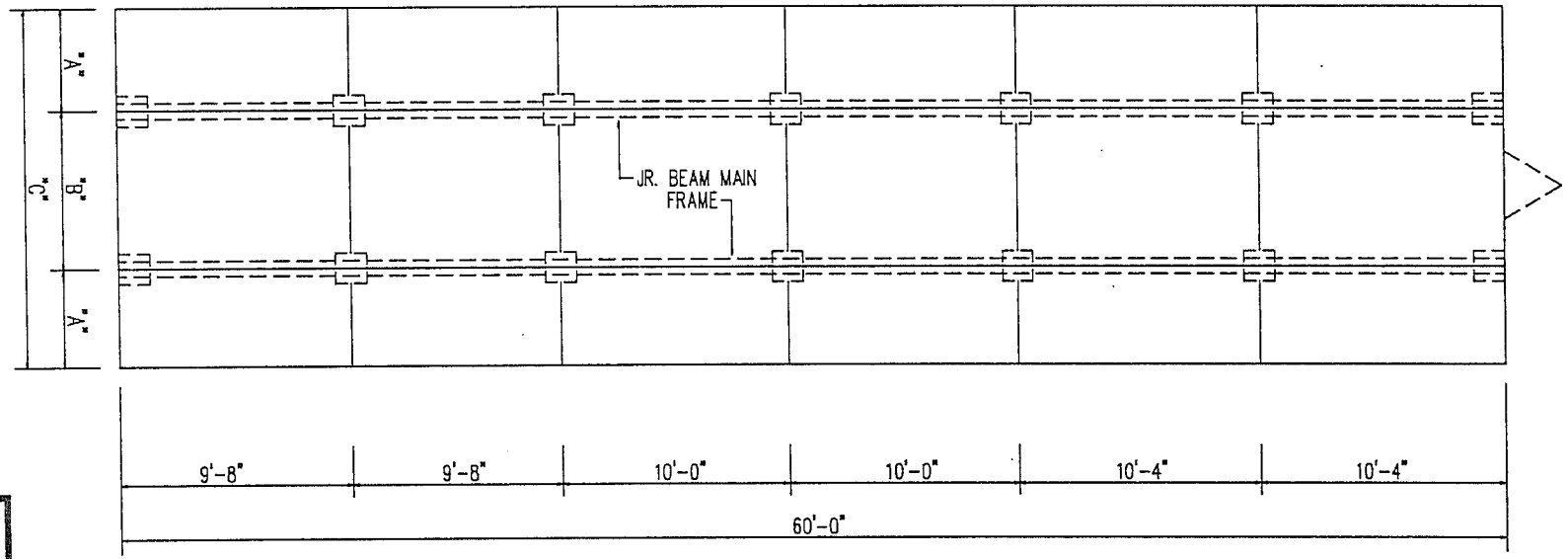
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 64'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x62'	40 3/4"	82 1/2"	13'-8"
16'x62'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93

CHKD. BY:

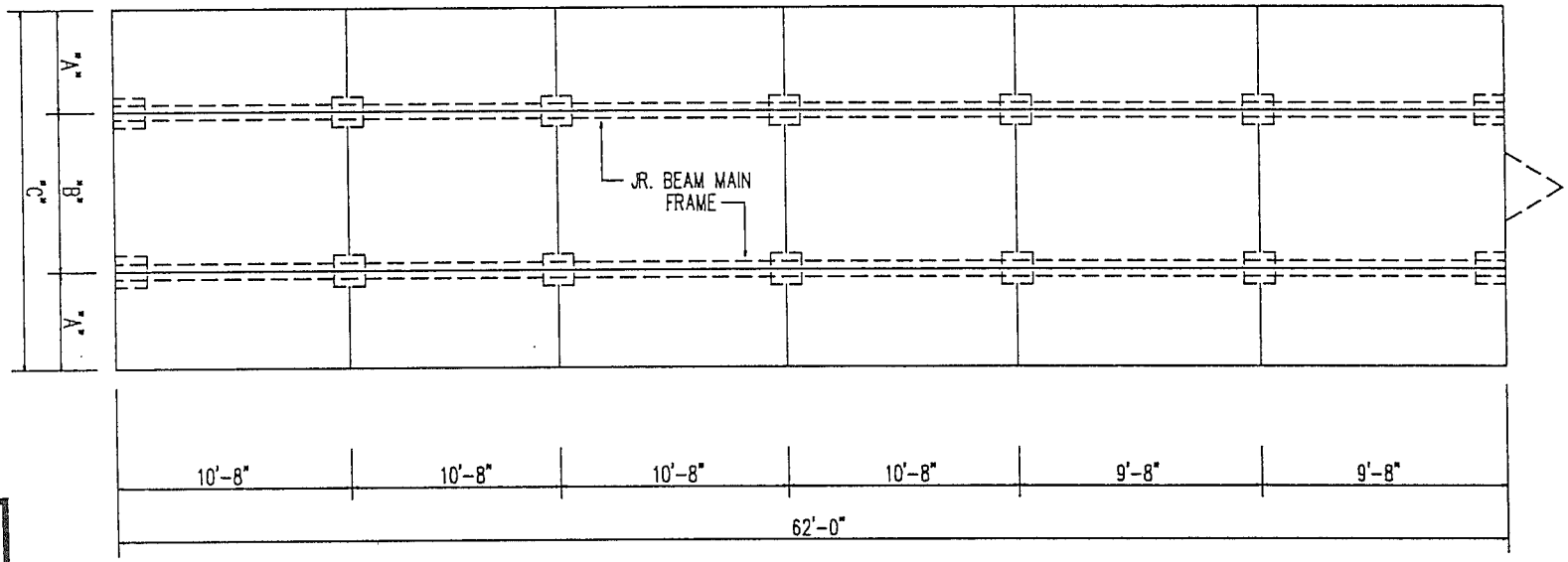
SCALE: NOT TO SCALE

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 66'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x66'	40 3/4"	82 1/2"	13'-8"
16'x66'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

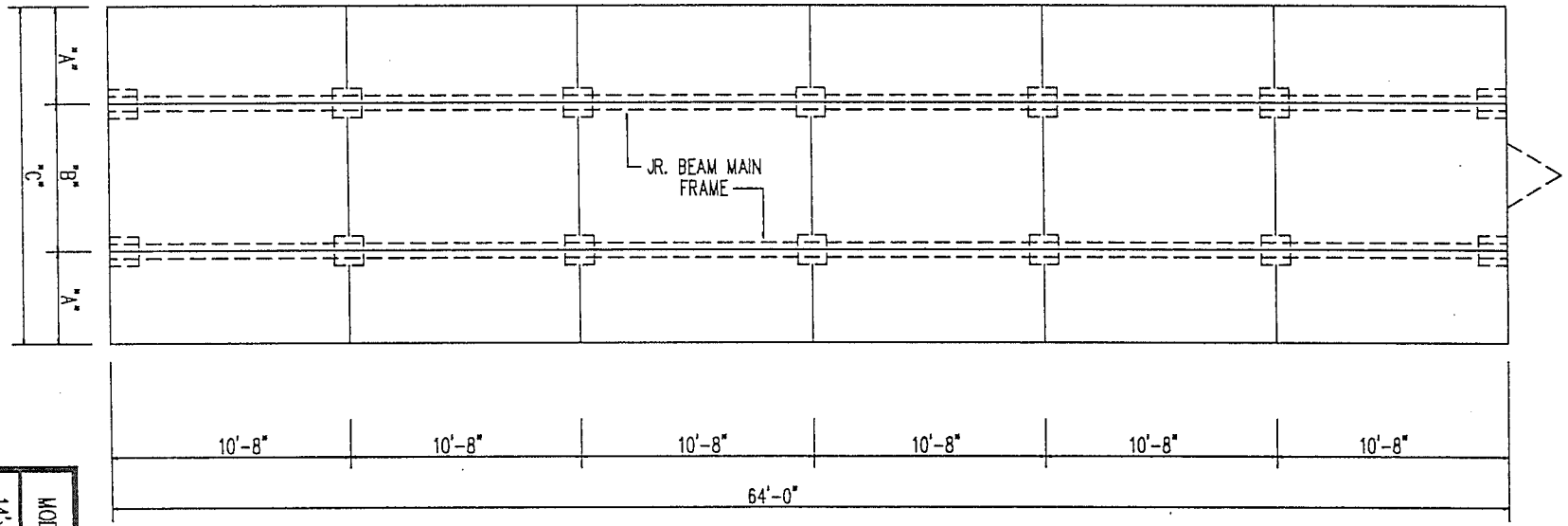
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 68'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x68'	40 3/4"	82 1/2"	13'-8"
16'x68'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93

CHKD. BY:

SCALE: NOT TO SCALE

NOTE:

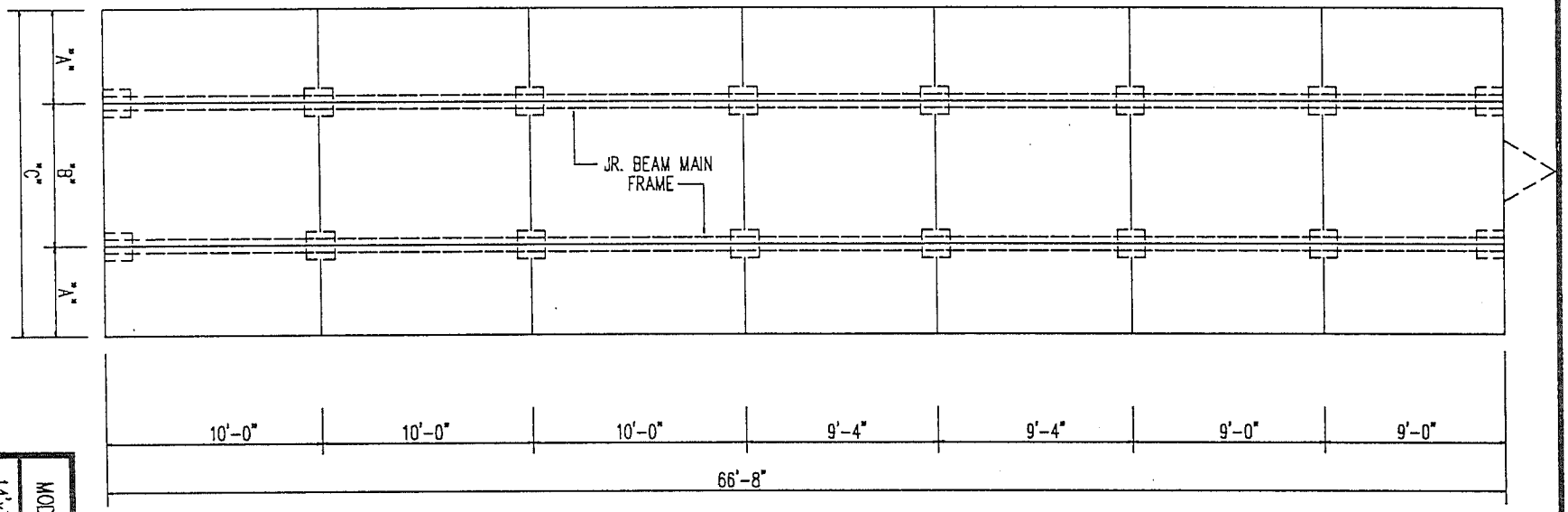
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 70'S.W.

FRONT



NOTE:

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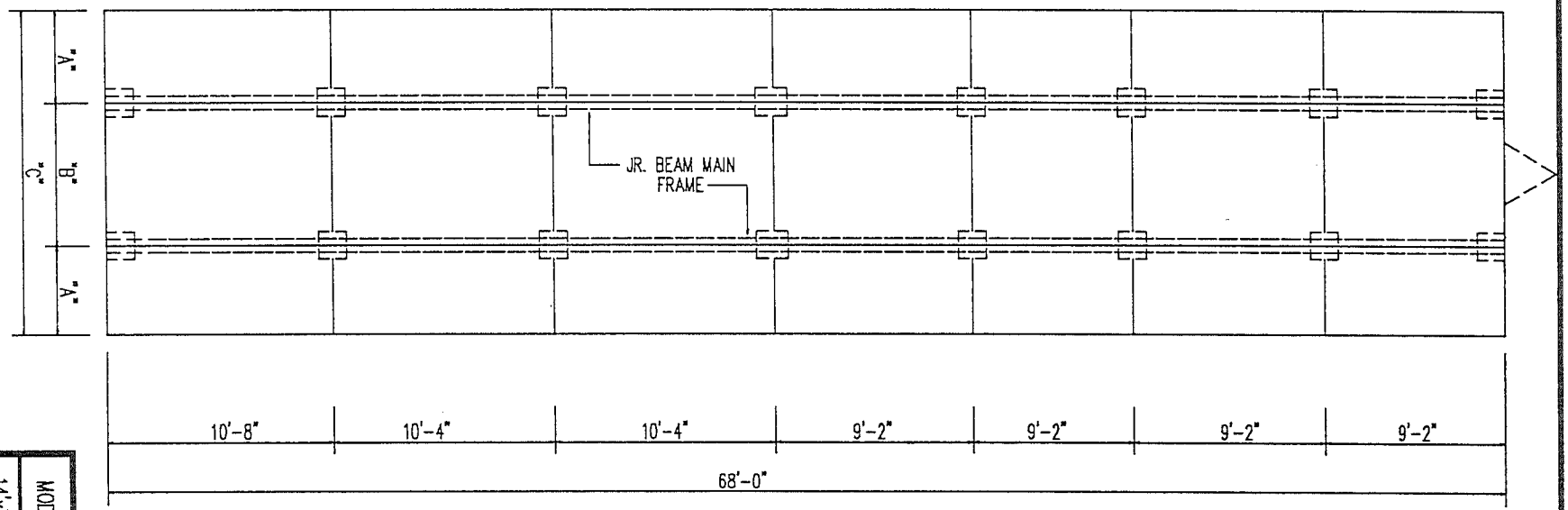
MODEL	"A"	"B"	"C"
14'x70'	40 3/4"	82 1/2"	13'-8"
16'x70'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING – 72'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x72'	40 3/4"	82 1/2"	13'-8"
16'x72'	51 3/4"	82 1/2"	15'-6"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

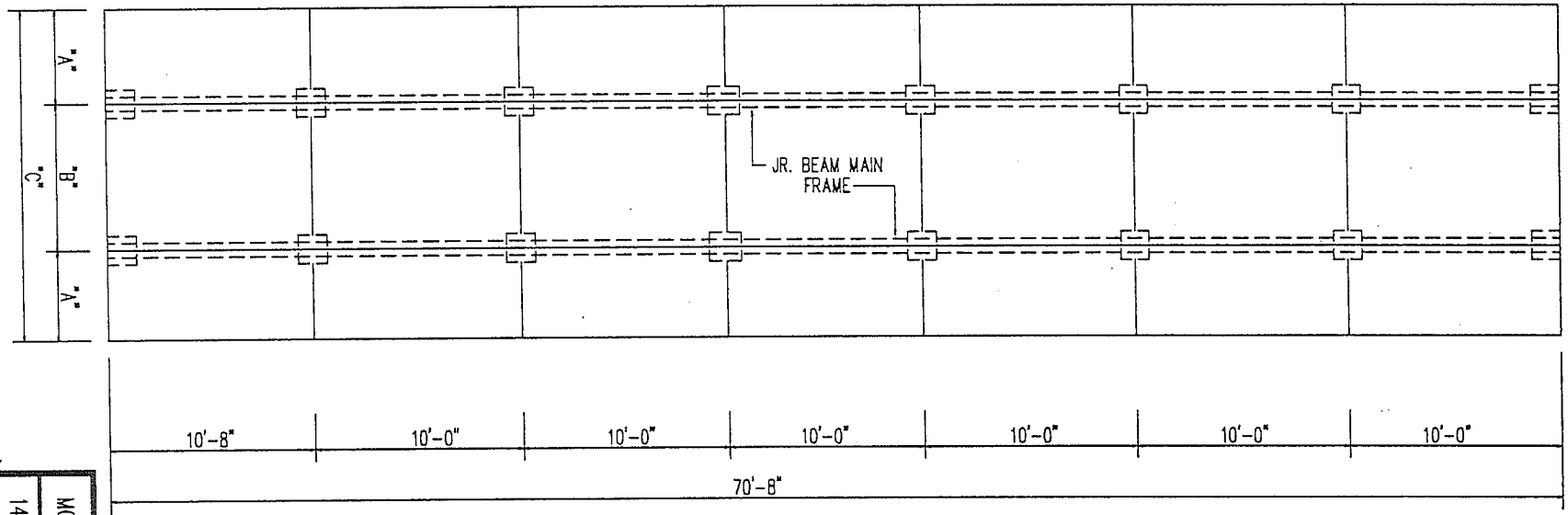
DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 74'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x74'	40 3/4"	82 1/2"	13'-8"
16'x74'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/25/93
CHKD. BY:
SCALE: NOT TO SCALE

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

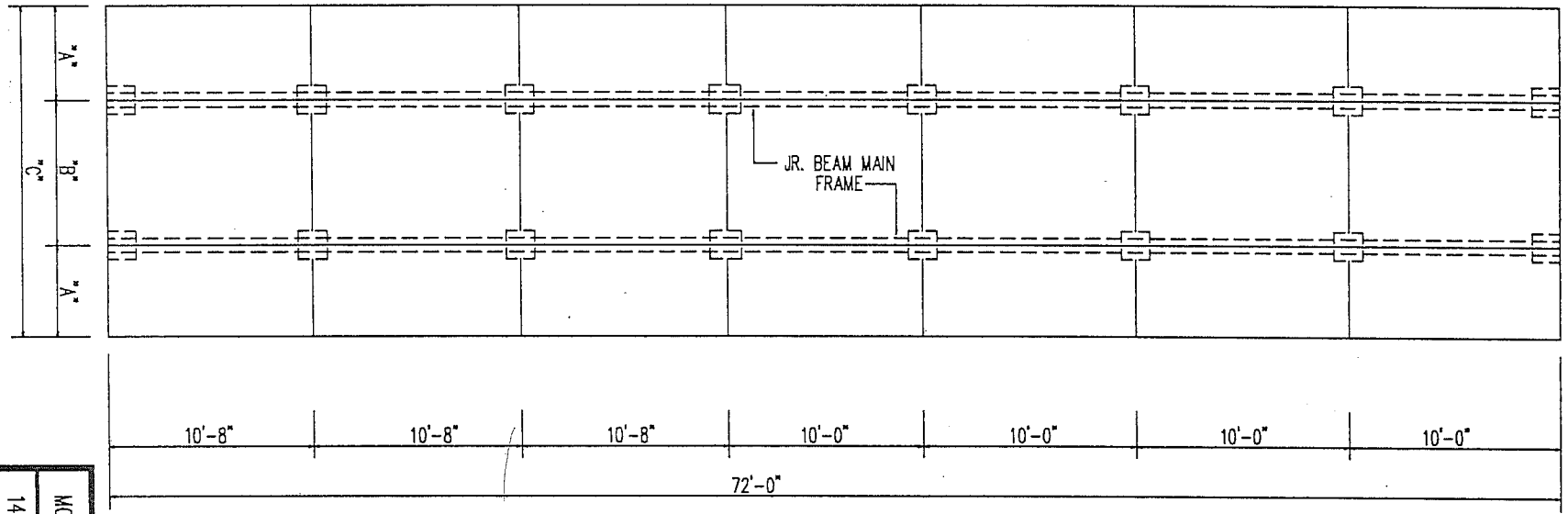
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

SUPPORT BLOCKING – 76'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x76'	40 3/4"	82 1/2"	13'-8"
16'x76'	51 3/4"	82 1/2"	15'-6"

NOTE:

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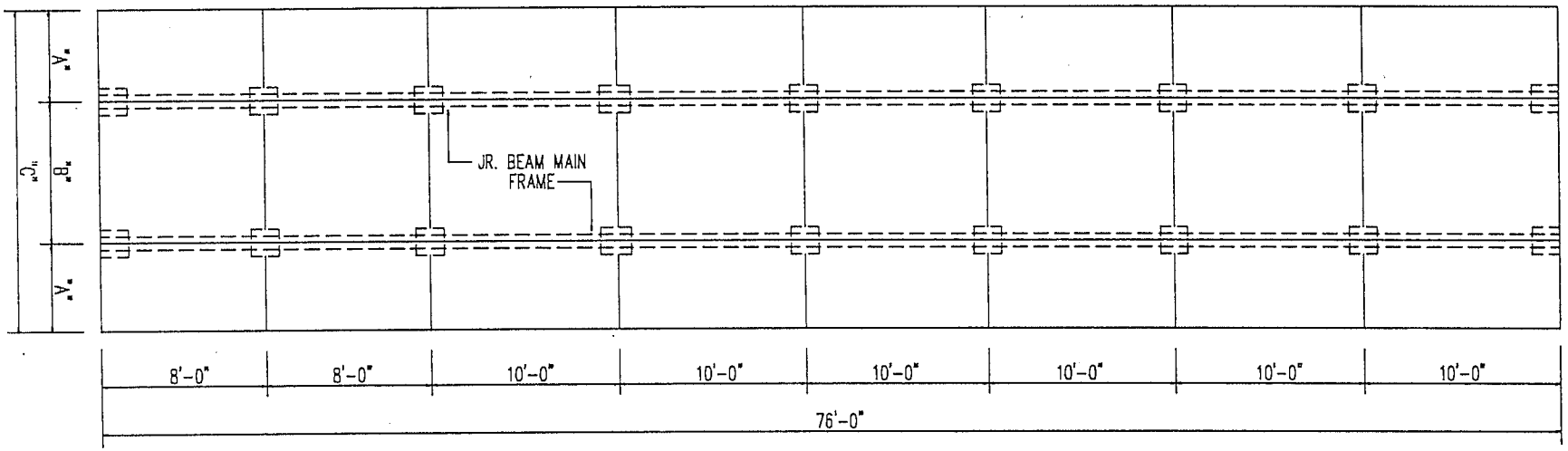
DRWG. BY: DJ 1/25/93

CHKD. BY:

SCALE: NOT TO SCALE

SUPPORT BLOCKING – 80'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x80'	40 3/4"	82 1/2"	13'-8"
16'x80'	51 3/4"	82 1/2"	15'-6"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 1/25/93

CHKD. BY:

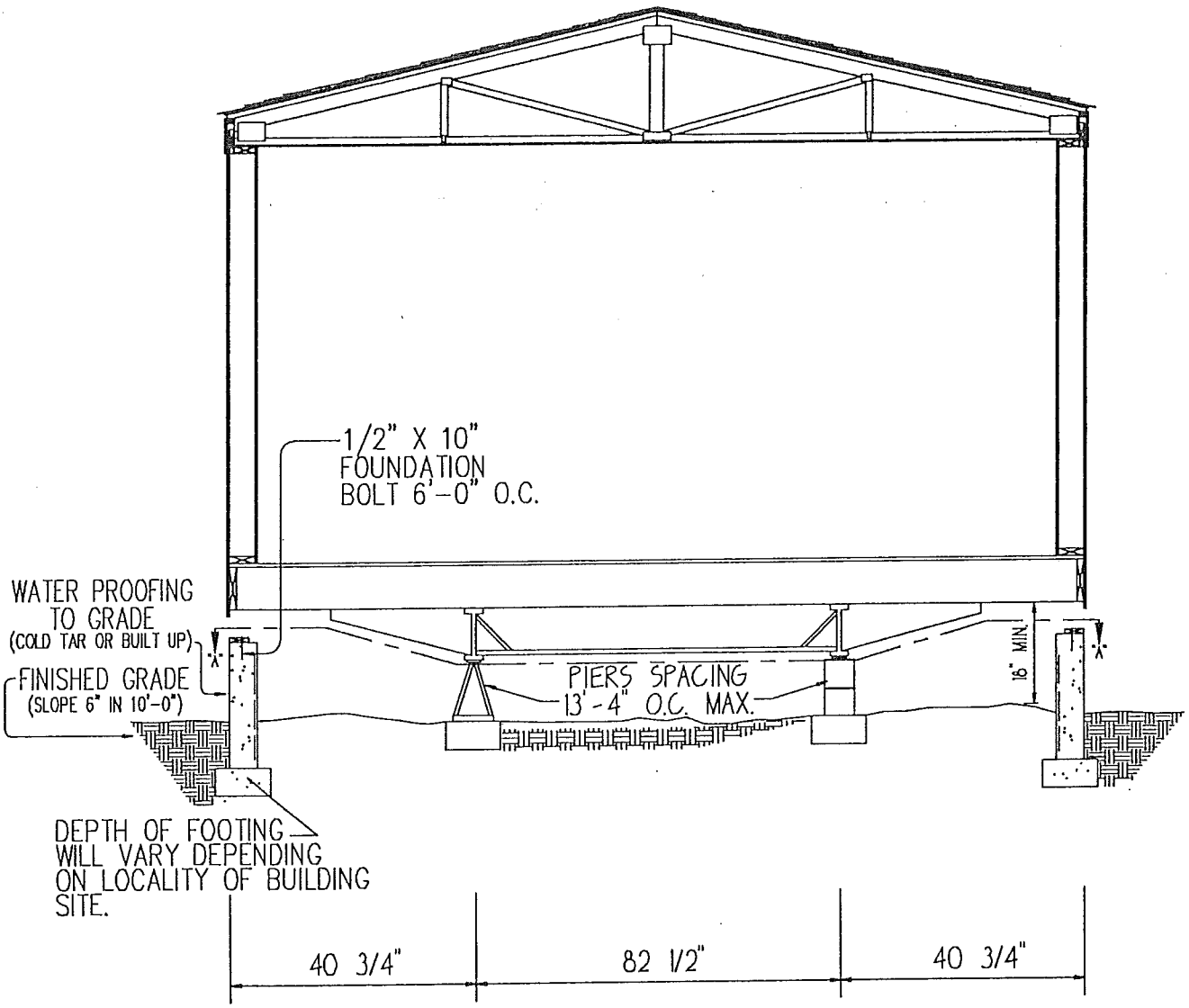
SCALE: NOT TO SCALE

SECTION IV

CRAWL SPACE CONSTRUCTION

Single Section Homes

CRAWLSPACE CONSTRUCTION W/ PIERS



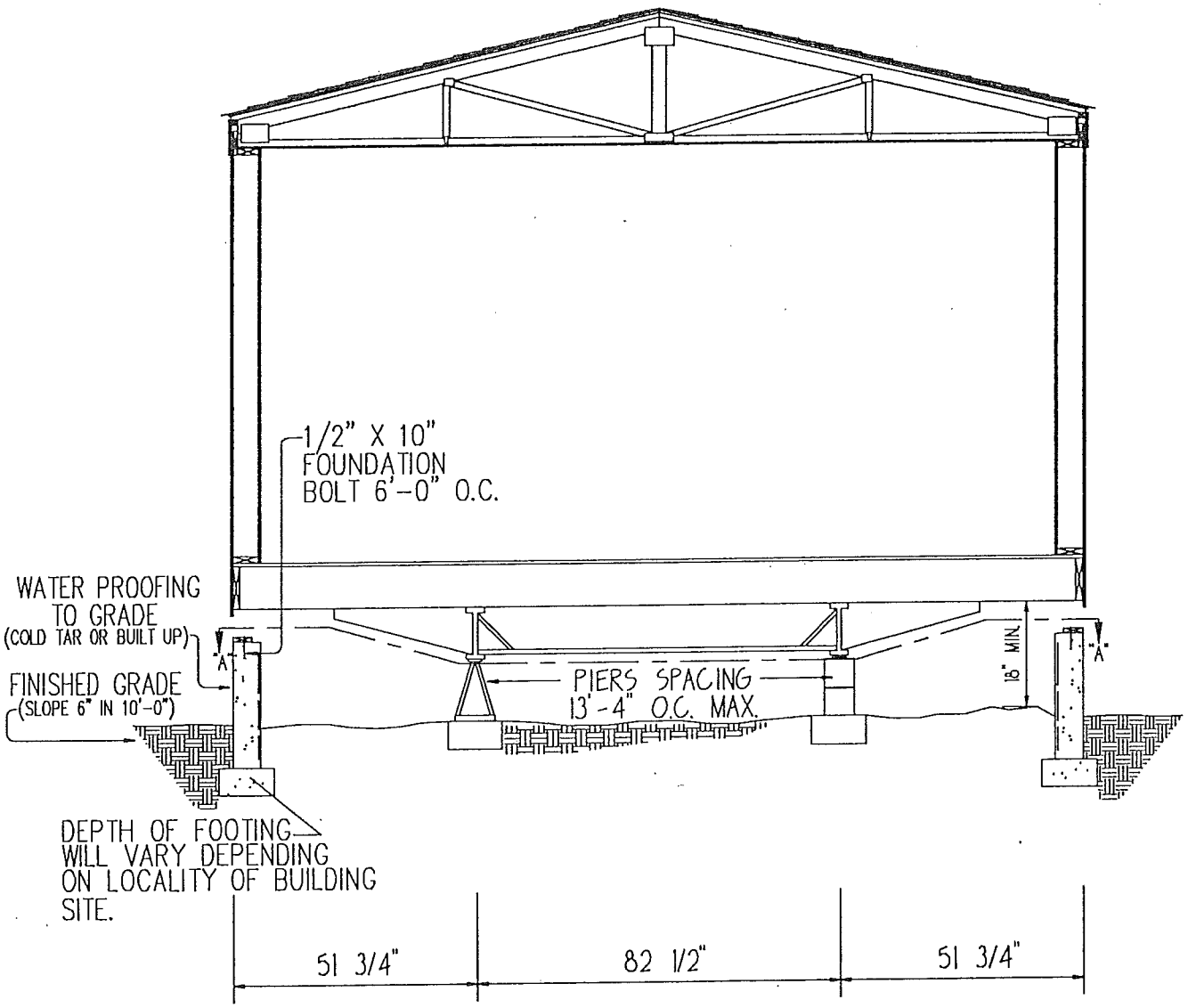
14' SINGLE WIDE
ACTUAL FLOOR DIMENSION 13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/25/93
CHKD. BY:		
SCALE:	NONE	

CRAWLSPACE CONSTRUCTION W/ PIERS



16' SINGLE WIDE
ACTUAL FLOOR DIMENSION 15'-6"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

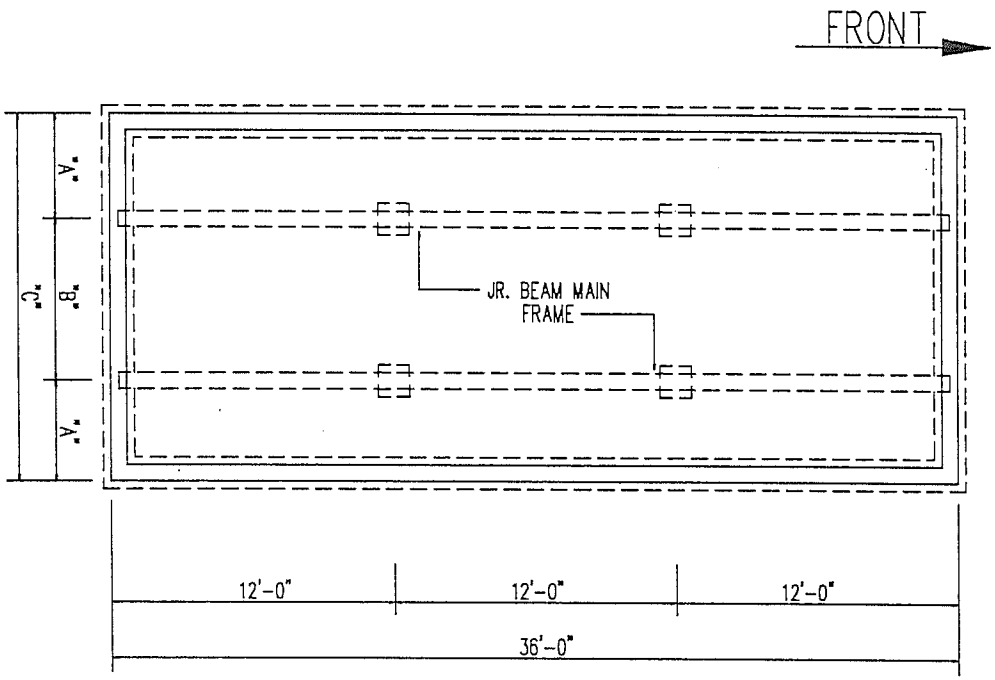
DRWG. BY:	DJ	1/25/93
CHKD. BY:		
SCALE:	NONE	

SECTION V

PERIMETER BLOCKING

Single Section Homes

FOUNDATION DIMENSION – 40'S.W.



NOTE:

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MODEL	"A"	"B"	"C"
14'x40'	40 3/4"	82 1/2"	13'-8"
16'x40'	51 3/4"	82 1/2"	15'-6"

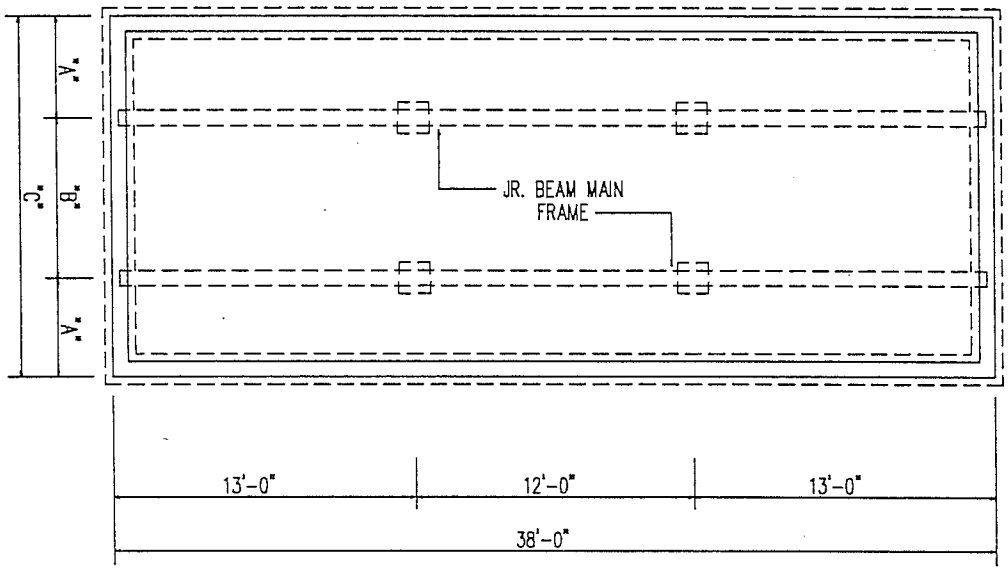
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 42'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x42'	40 3/4"	82 1/2"	13'-8"
16'x42'	51 3/4"	82 1/2"	15'-6"

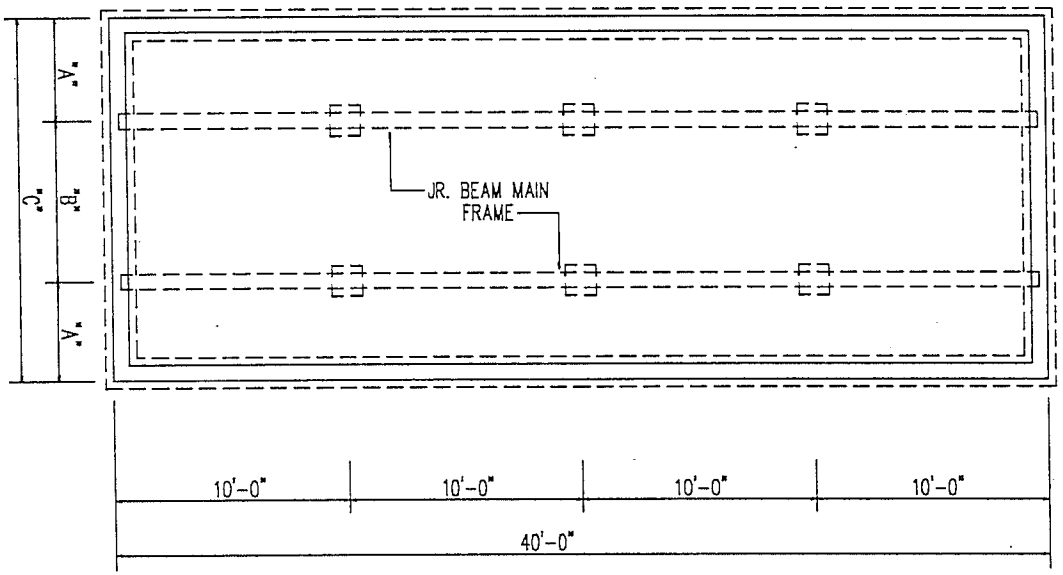
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 44'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x44'	40 3/4"	82 1/2"	13'-8"
16'x44'	51 3/4"	82 1/2"	15'-6"

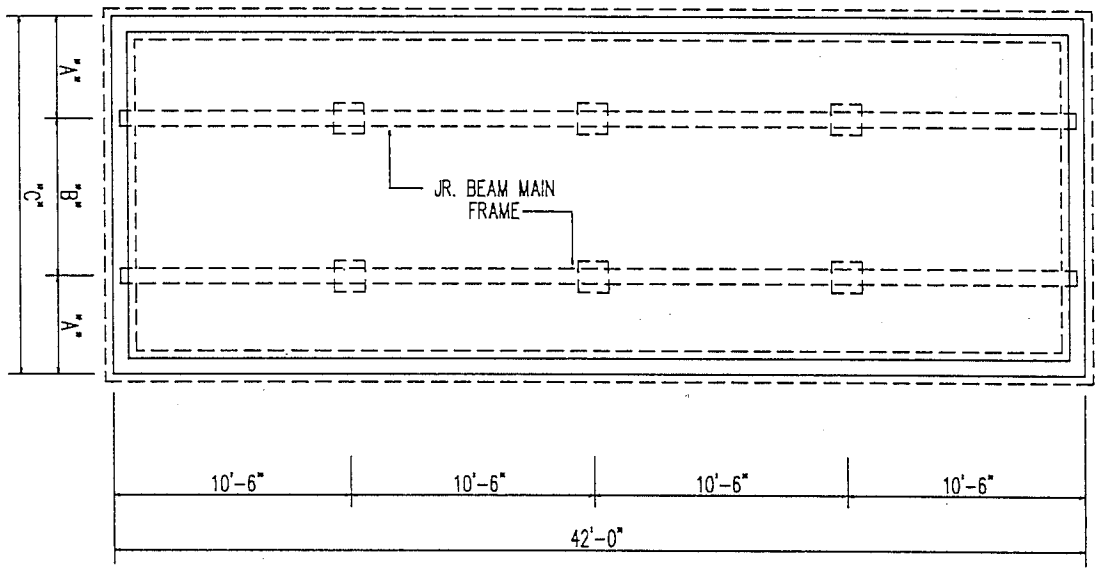
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 46'S.W.

FRONT



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MODEL	"A"	"B"	"C"
14'x46'	40 3/4"	82 1/2"	13'-8"
16'x46'	51 3/4"	82 1/2"	15'-6"

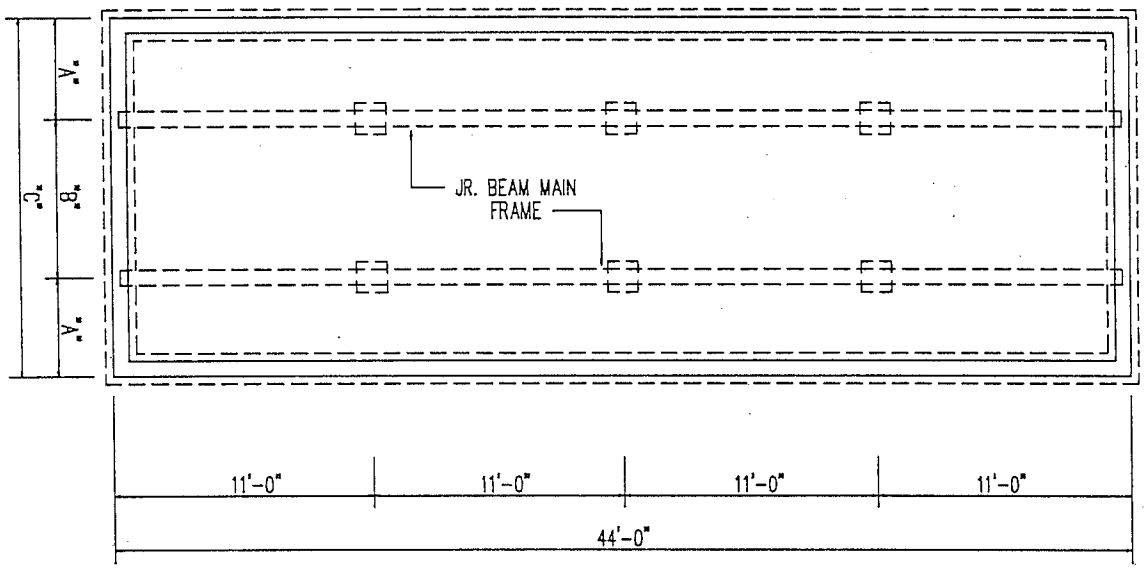
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 48'S.W.

FRONT



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MODEL	"A"	"B"	"C"
14'x48'	40 3/4"	82 1/2"	13'-8"
16'x48'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

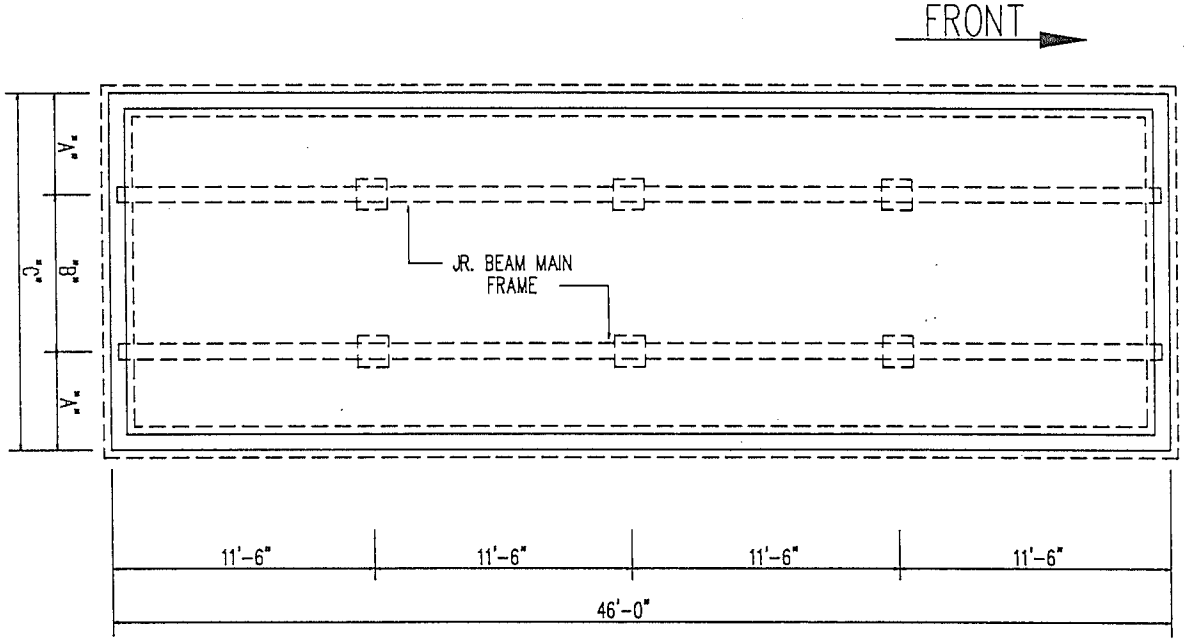
DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 50'S.W.



NOTE:

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MODEL	"A"	"B"	"C"
14'x50'	40 3/4"	82 1/2"	13'-8"
16'x50'	51 3/4"	82 1/2"	15'-6"

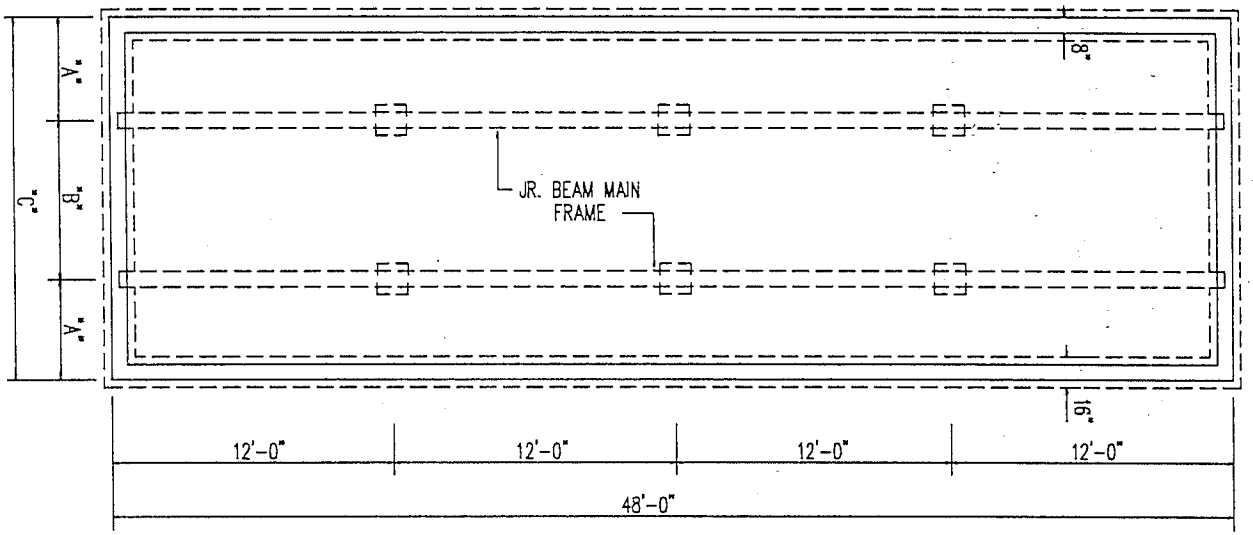
DRWG. BY: DJ 1/26/93

CHKD. BY:

SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 52'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14' X 52'	40 3/4"	82 1/2"	13'-8"
16' X 52'	51 3/4"	82 1/2"	15'-6"

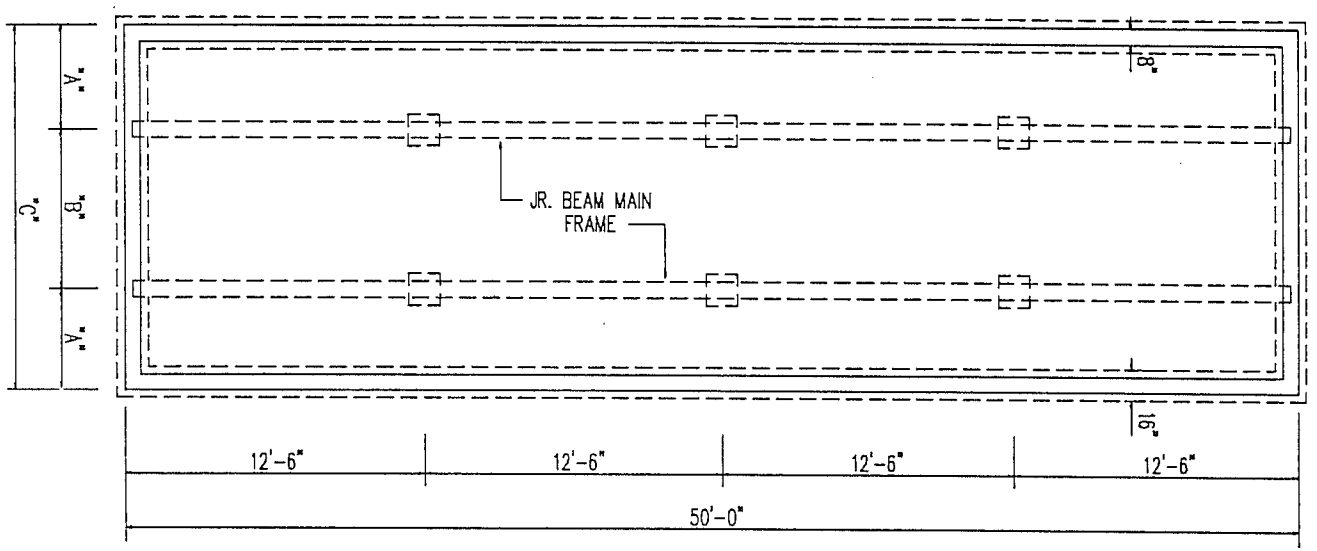
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 54'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14' X 54'	40 3/4"	82 1/2"	13'-8"
16' X 54'	51 3/4"	82 1/2"	15'-6"

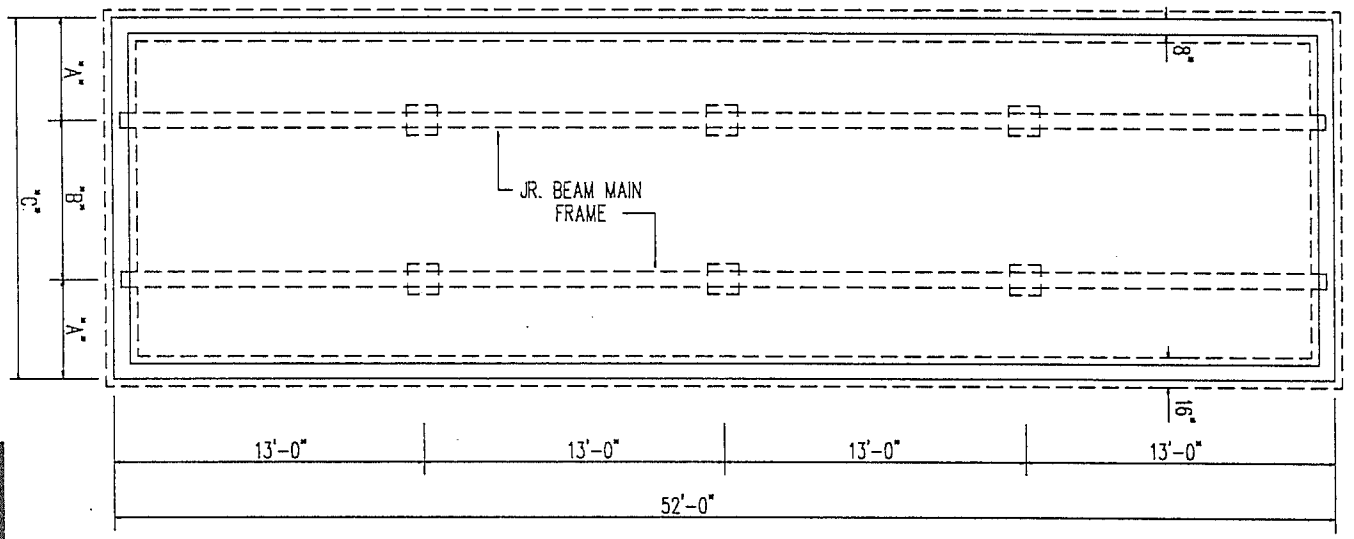
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 56' S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14' X 56'	40 3/4"	82 1/2"	13'-8"
16' X 56'	51 3/4"	82 1/2"	15'-6"

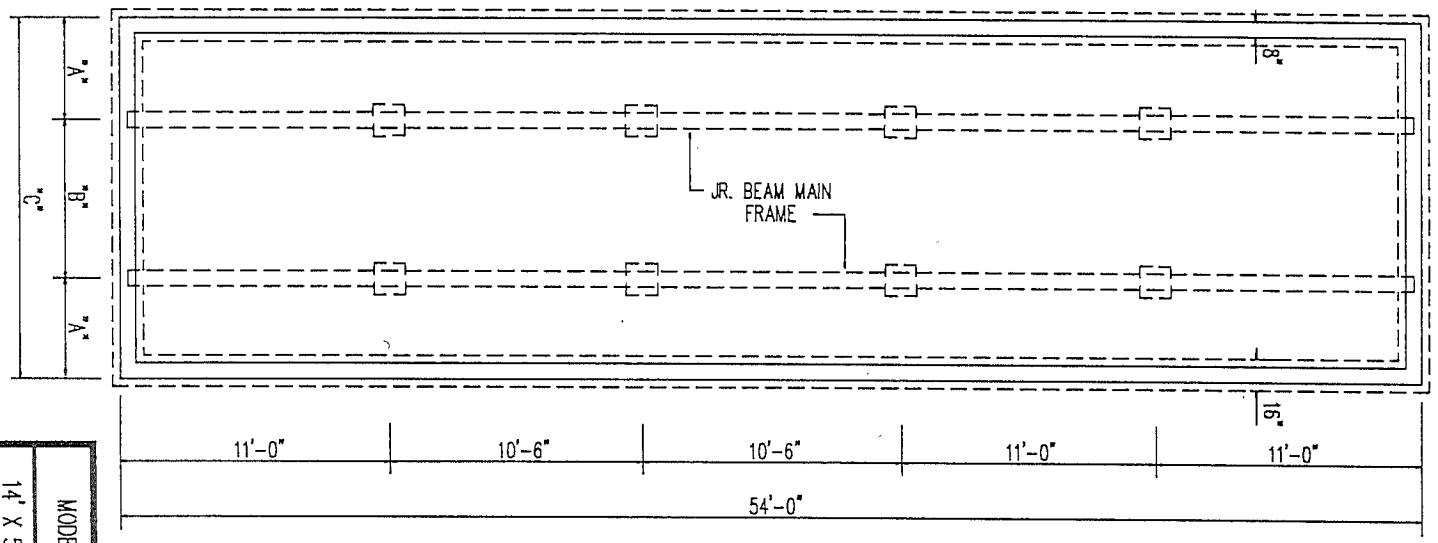
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 58'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14' X 58'	40 3/4"	82 1/2"	13'-8"
16' X 58'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

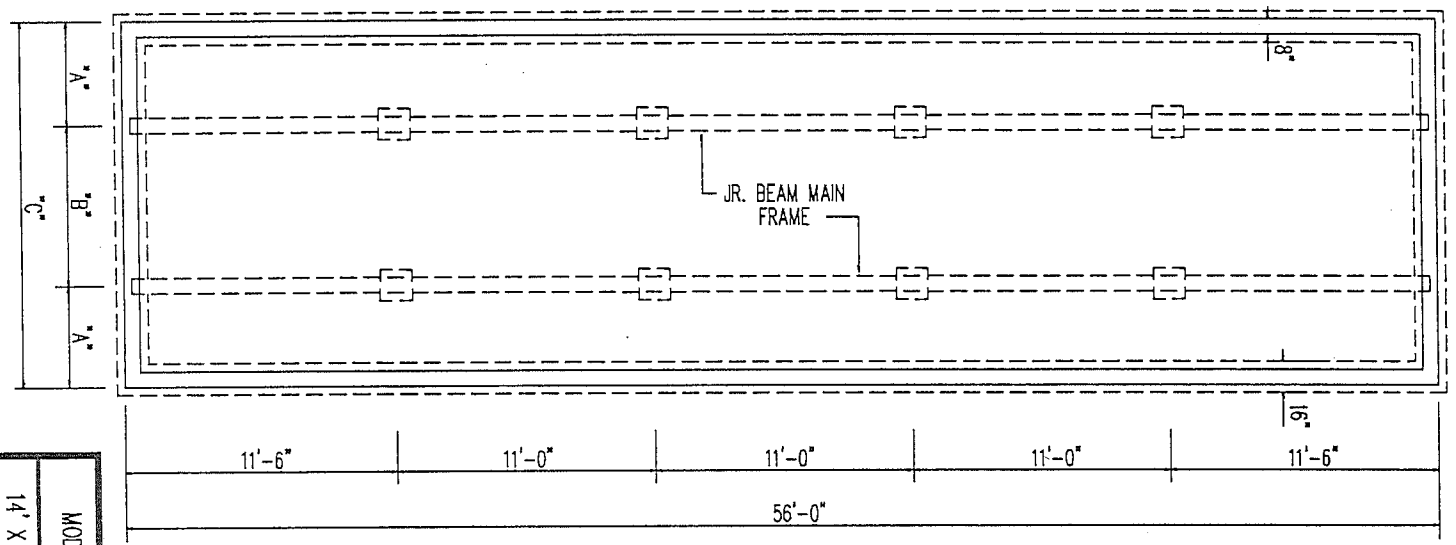
DRWG. BY: DJ
CHKD. BY:
SCALE: NOT TO SCALE
1/26/93

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 60'S.W.

FRONT



MODEL	"A"	"B"	"C"
14' X 60'	40 3/4"	82 1/2"	13'-8"
16' X 60'	51 3/4"	82 1/2"	15'-6"

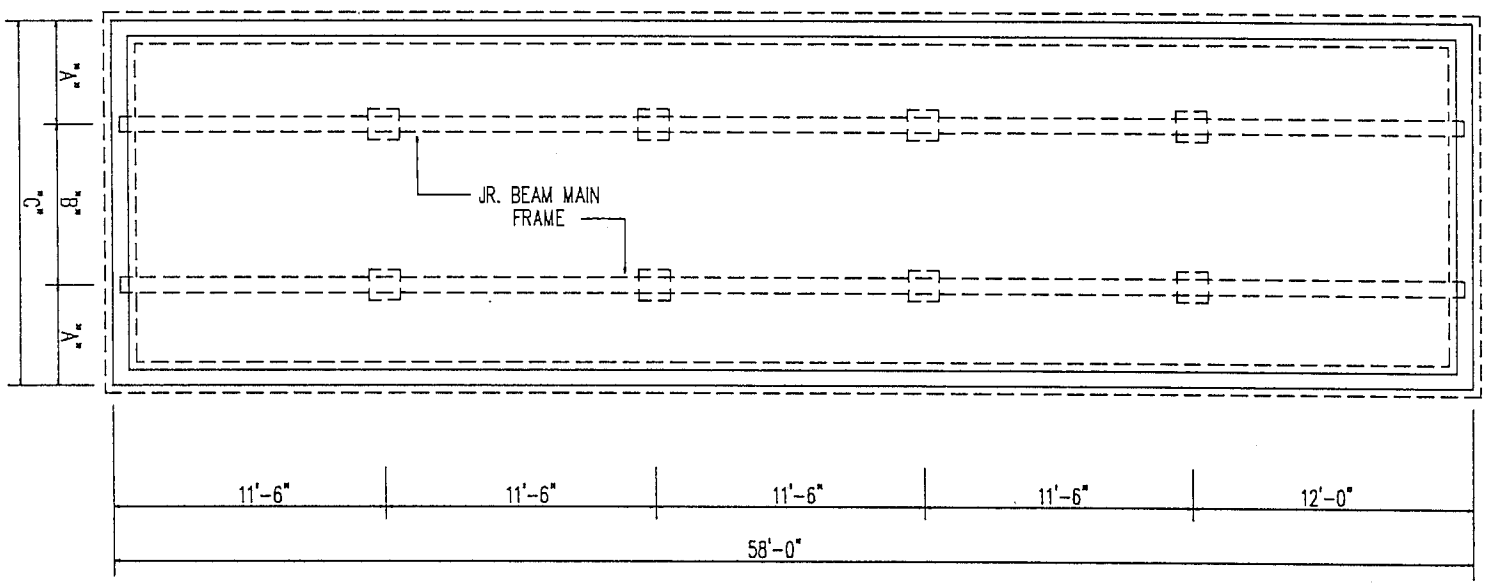
DRWG. BY: DJ 1/26/93
CHKD. BY:
SCALE: NOT TO SCALE

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

FOUNDATION DIMENSION – 62'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x62'	40 3/4"	82 1/2"	13'-8"
16'x62'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

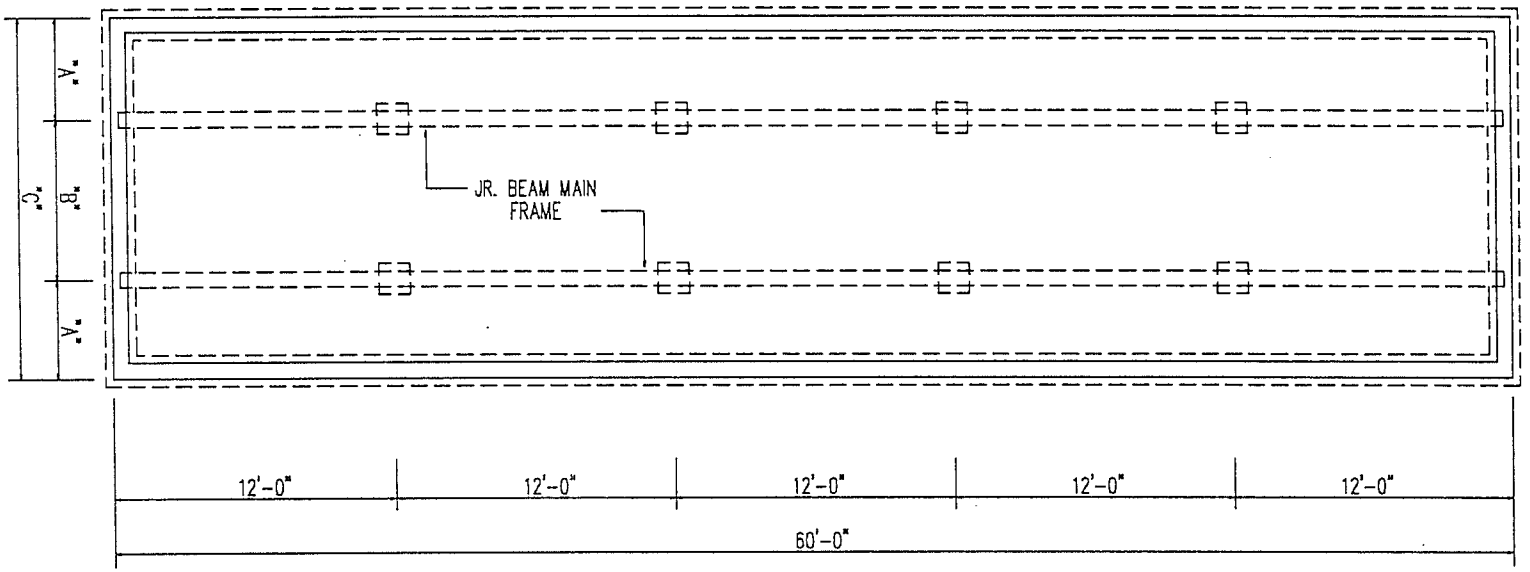
DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 64'S.W.

FRONT



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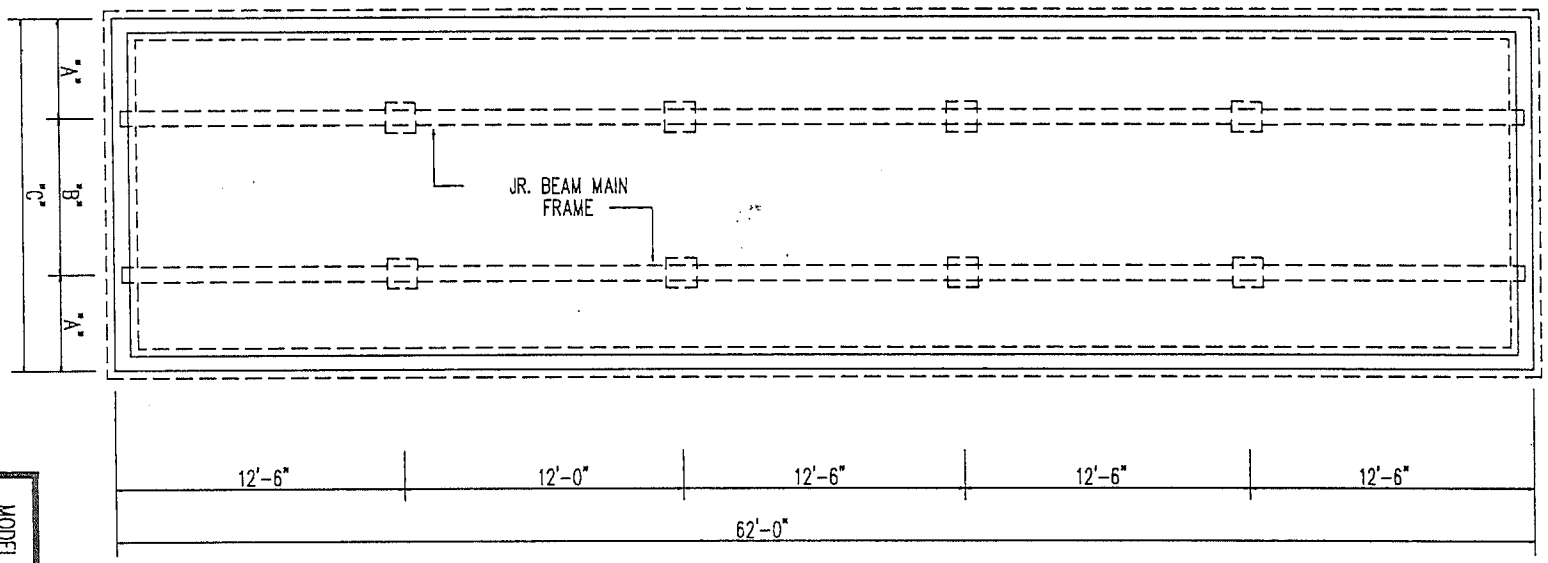
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x62'	40 3/4"	82 1/2"	13'-8"
16'x62'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 66'S.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"
14'x66'	40 3/4"	82 1/2"	13'-8"
16'x66'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/21/93
CHKD. BY:
SCALE: NOT TO SCALE

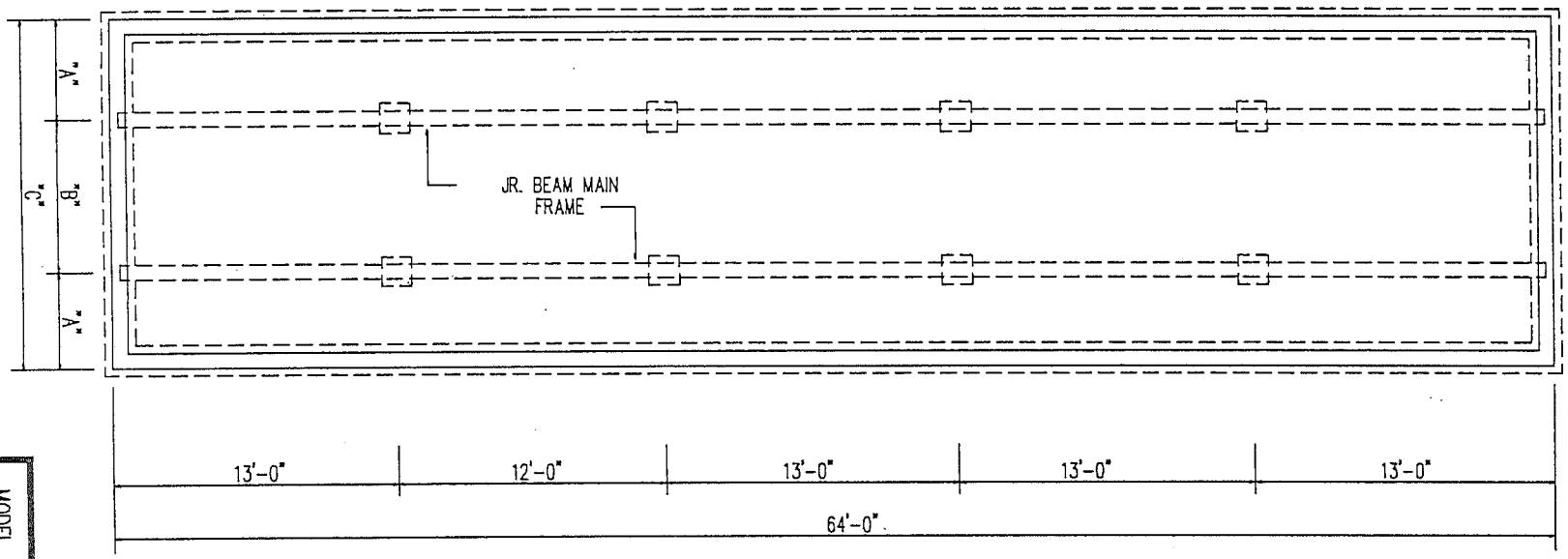
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 68'S.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"
14'x68'	40 3/4"	82 1/2"	13'-8"
16'x68'	51 3/4"	82 1/2"	15'-6"

DRWG. BY: DJ 1/21/93

CHKD. BY:

SCALE: NOT TO SCALE

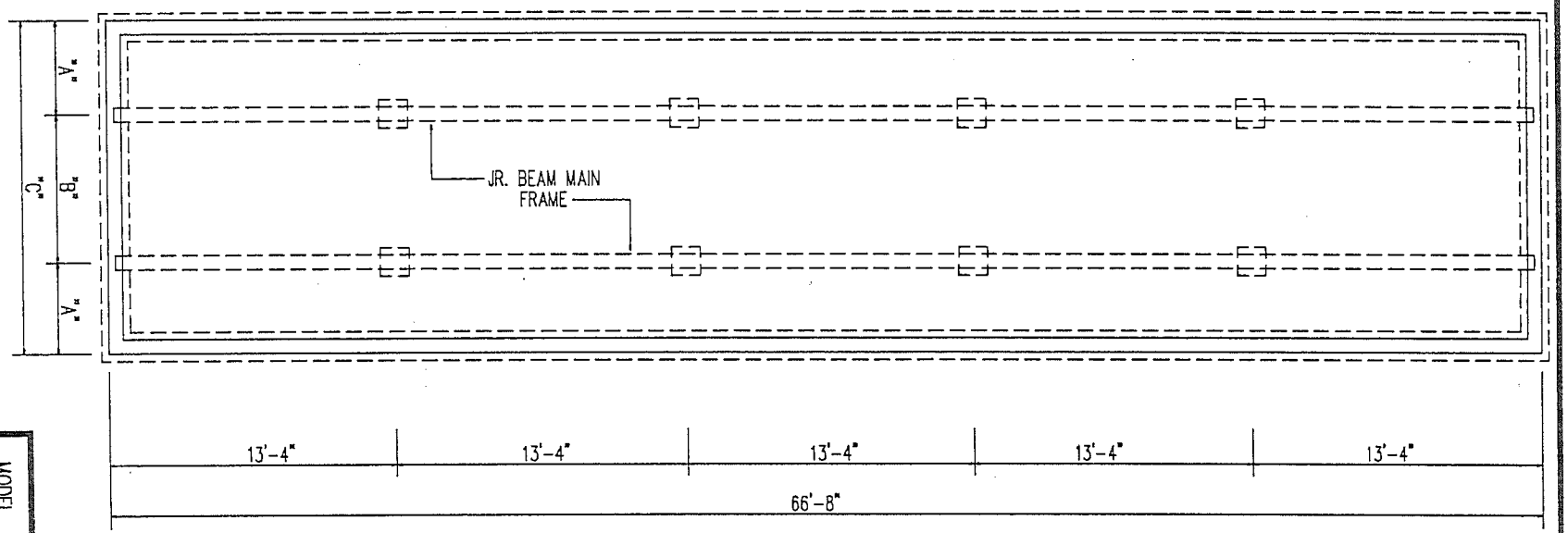
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 70'S.W.

FRONT



MODEL	14'x70'	16'x70'
"A"	40 3/4"	51 3/4"
"B"	82 1/2"	82 1/2"
"C"	13'-8"	15'-6"

DRWG. BY: DJ 1/21/93

CHKD. BY:

SCALE: NOT TO SCALE

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

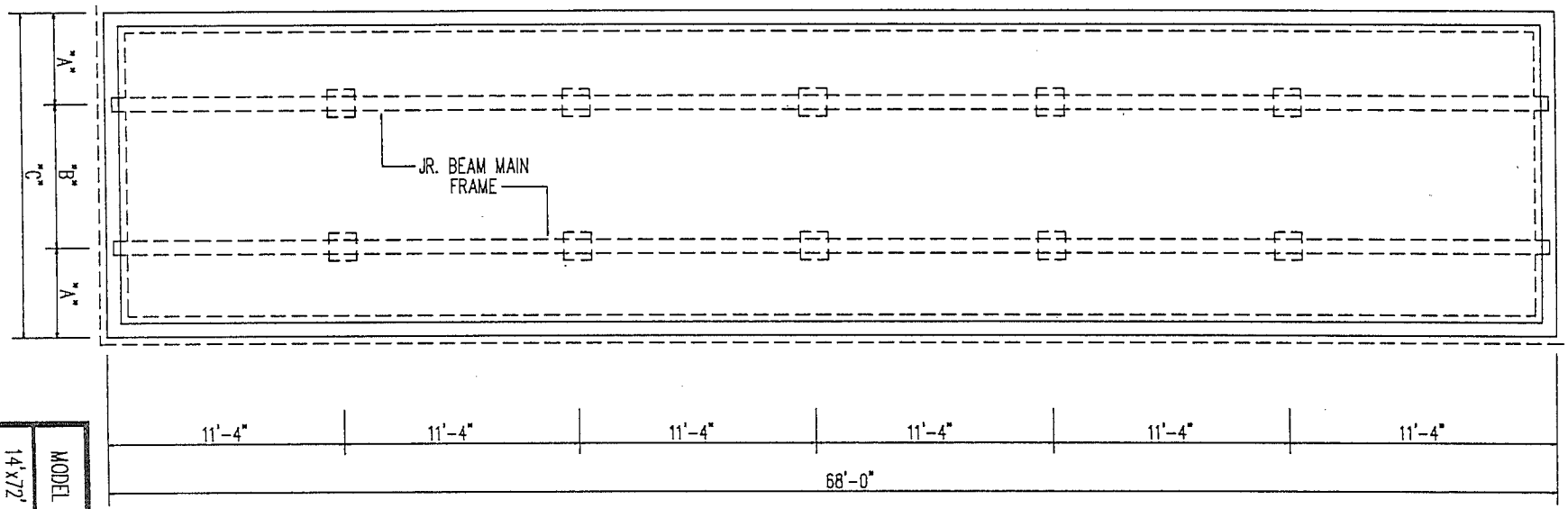
CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 72'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x72'	40 3/4"	82 1/2"	13'-8"
16'x72'	51 3/4"	82 1/2"	15'-6"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

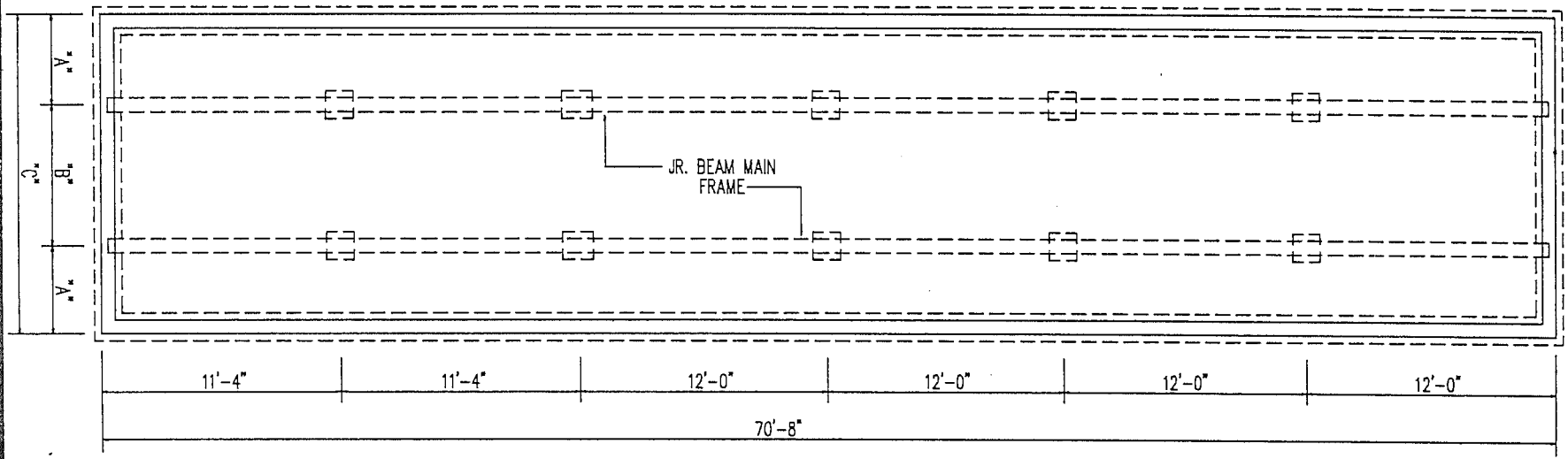
DRWG. BY: DJ 1/21/93

CHKD. BY:

SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 74'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x74'	40 3/4"	82 1/2"	13'-8"
16'x74'	51 3/4"	82 1/2"	15'-6"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

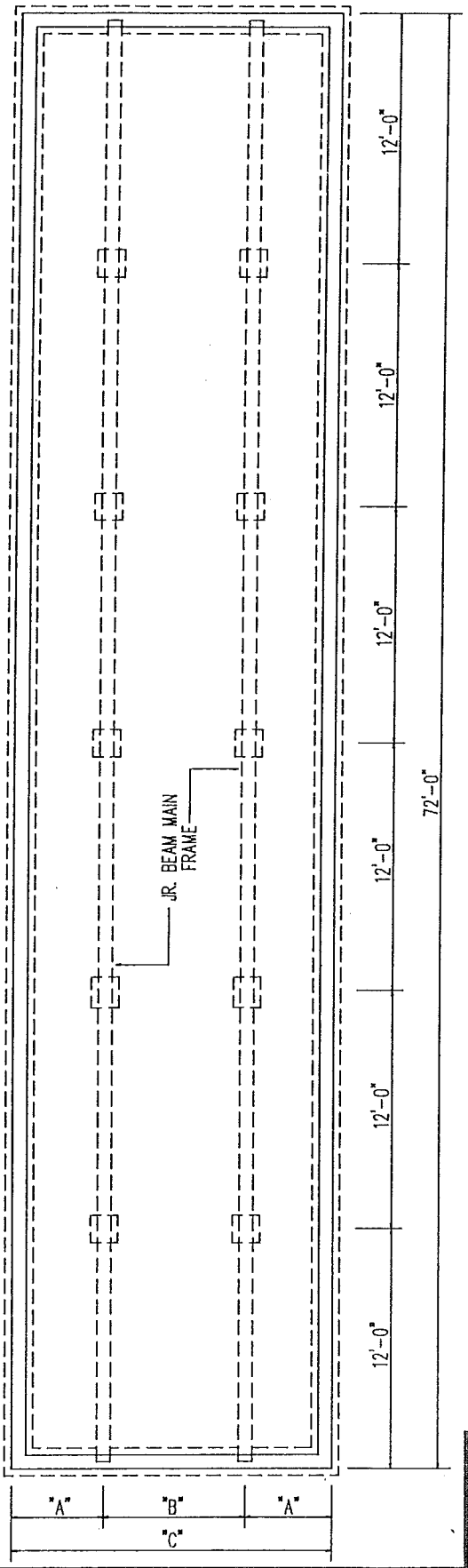
DRWG. BY: DJ 1/25/93

CHKD. BY:

SCALE: NOT TO SCALE

FOUNDATION DIMENSION – 76'S.W.

FRONT



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

MODEL	"A"	"B"	"C"
14'x76'	40 3/4"	82 1/2"	13'-8"
16'x76'	51 3/4"	82 1/2"	15'-6"

CHIEF INDUSTRIES
HOUSING DIVISION

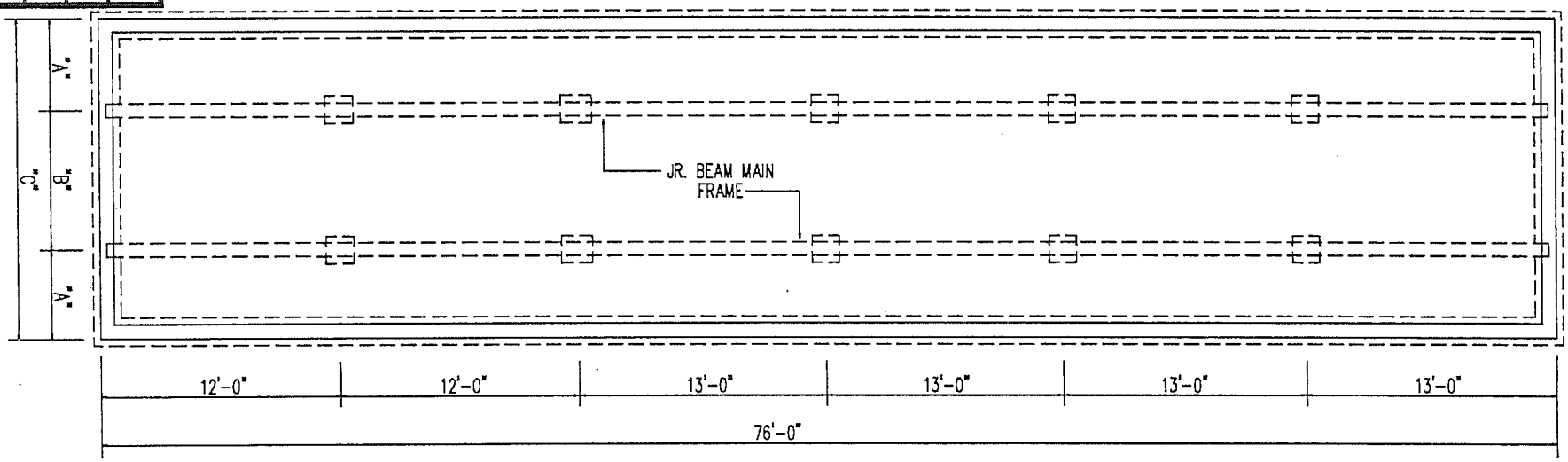
DRWG. BY:	DJ	1/25/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

FOUNDATION DIMENSION – 80'S.W.

FRONT



MODEL	"A"	"B"	"C"
14'x80'	40 3/4"	82 1/2"	13'-8"
16'x80'	51 3/4"	82 1/2"	15'-6"

NOTE:

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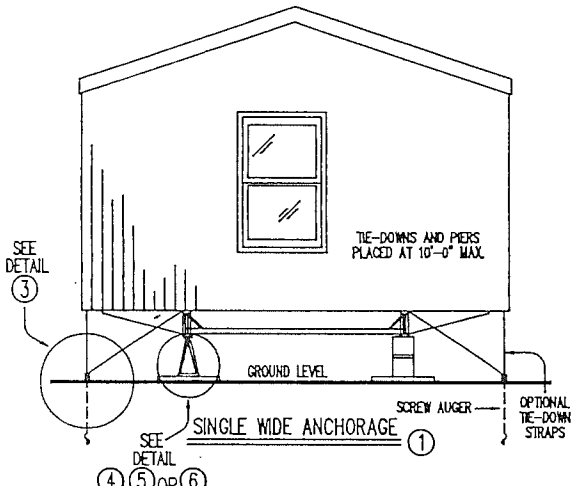
DRWG. BY: DJ 1/25/93
CHKD. BY:
SCALE: NOT TO SCALE

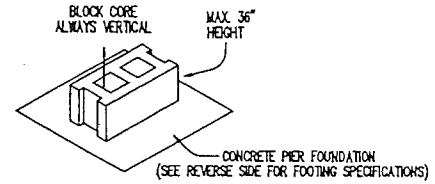
SECTION VI

TYPICAL ANCHORAGE & FOOTINGS INSTRUCTIONS

Single Section Homes



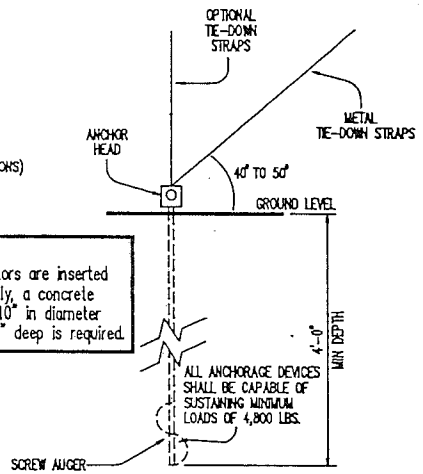
SINGLE WIDE ANCHORAGE (1)



PROPER BLOCK POSITIONING (4)

PLATES AND SHIMS:
A WOOD PLATE NOT EXCEEDING 2" IN THICKNESS AND SHIMS TO EXCEEDING 1" IN THICKNESS SHALL BE PERMITTED TO BE USED TO FILL ANY GAP BETWEEN THE TOP OF THE PIER AND THE MAIN FRAME. TWO INCH OR 4" SOLID CONCRETE BLOCKS SHALL BE PERMITTED TO BE USED TO FILL THE REMAINDER OF ANY GAP. SHIMS SHALL BE AT LEAST NOMINAL 4" WIDE AND 6" LONG AND SHALL BE FITTED AND DRIVEN TIGHT BETWEEN THE WOOD PLATE OR PIER AND MAIN FRAME

NOTE:
If anchors are inserted vertically, a concrete collar 10" in diameter and 18" deep is required.



SECTION THROUGH ANCHOR (3)

ALL MANUFACTURED HOMES SHOULD BE PROTECTED FROM DAMAGE BY HIGH WINDS. RESPONSIBILITY FOR THIS PROTECTION LIES IN THREE AREAS:

(1) THE MANUFACTURER MUST PRODUCE A HOME THAT IS STRUCTURALLY CAPABLE OF WITHSTANDING WINDS AS SET FORTH BY THE FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARD FOR THE LOCATION OF THE HOME.

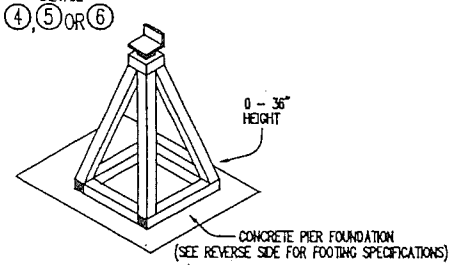
(2) THE PARK DEVELOPER MUST PROVIDE ADEQUATE FOUNDATIONS AND PROVISIONS FOR ANCHORS AS DETAILED ON THIS SHEET AND IN CONJUNCTION WITH THE HOUSING DIVISION OF CHIEF INDUSTRIES, INC. BLOCKING AND PIER LOCATION SUMMARY.

(3) THE PARK MANAGEMENT MUST EXECUTE OR INSTRUCT AND ENFORCE THE EXECUTION OF PROPER BLOCKING AND ANCHORAGE PROCEDURE SUCH AS THOSE DETAILED HEREIN.

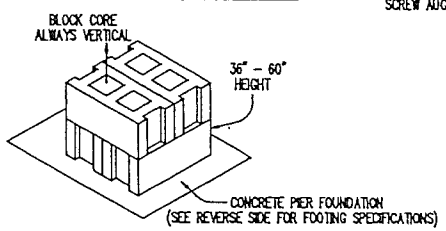
THE FOLLOWING GENERAL REQUIREMENTS SHOULD ALSO BE OBSERVED:

(1) ALL ANCHORAGE DEVICES SHALL BE CAPABLE OF SUSTAINING MINIMUM LOADS OF 4,800 LBS.

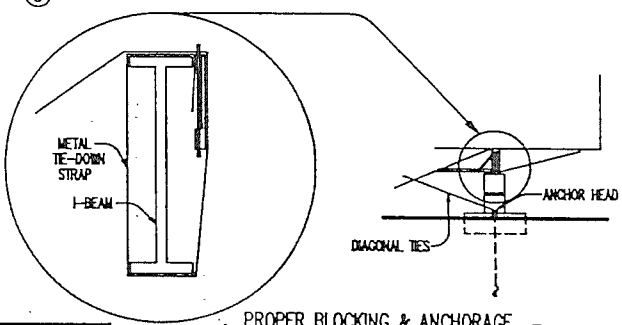
(2) ALL ANCHORAGE DEVICES SHALL BE CORROSIVE RESISTANT.



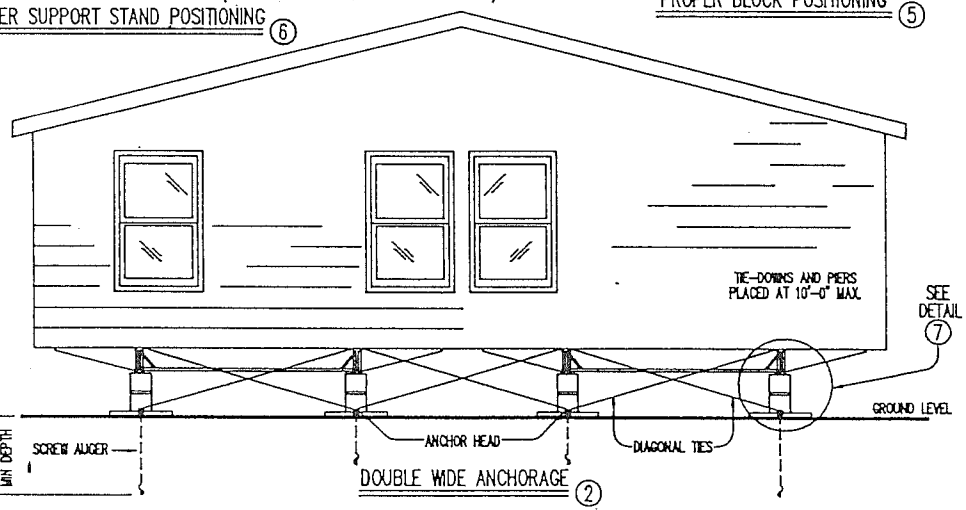
PROPER SUPPORT STAND POSITIONING (6)



PROPER BLOCK POSITIONING (5)



PROPER BLOCKING & ANCHORAGE (7)



DOUBLE WIDE ANCHORAGE (2)

* TIE DOWNS MUST BE WITHIN THE FIRST 4'-0" OF EACH END OF HOME, THEN SPACED AT 10'-0" O.C. MAX. AT A 45 DEGREE ANGLE.

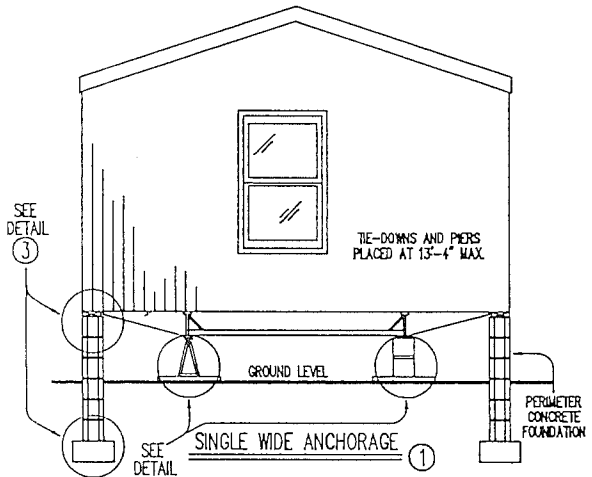
* ANCHORAGE DESIGNED FOR STANDARD WIND ZONE 1 (15 PSF HORIZONTAL, 9 PSF UPLIFT)

EVOR F. JOHNS REGISTERED NO. 01666 STATE OF INDIANA PROFESSIONAL ENGINEER
1/13/93

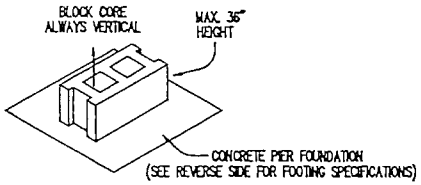
CHIEF INDUSTRIES, INC., HOUSING DIVISION

REVISIONS	DATE
A	
B	
C	
D	
E	
F	
G	

DRAWN BY — DATE 2/16/93
CHECKED BY — DATE
SCALE NONE
PRINT ANCHORAGE
MODEL BP 589

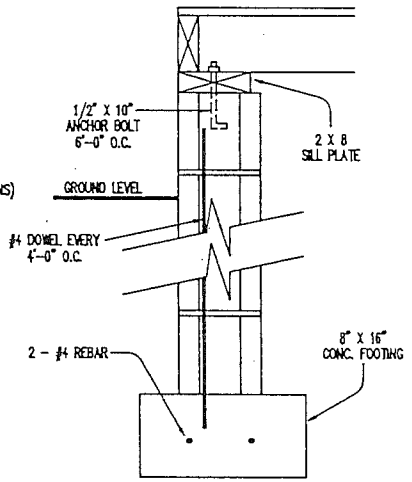


SINGLE WIDE ANCHORAGE (1)

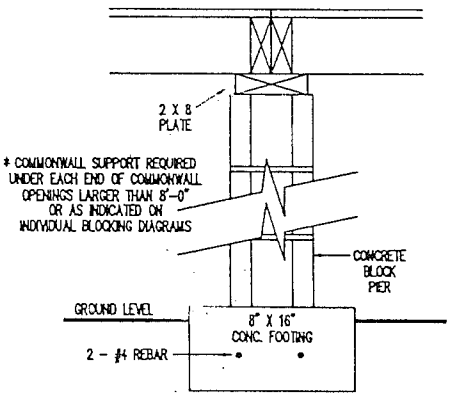


PROPER BLOCK POSITIONING (4)

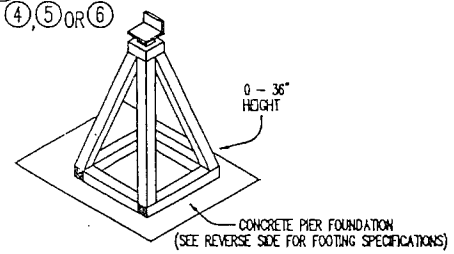
PLATES AND SHIMS:
A WOOD PLATE NOT EXCEEDING 2" IN THICKNESS AND SHIMS TO EXCEEDING 1" IN THICKNESS SHALL BE PERMITTED TO BE USED TO FILL ANY GAP BETWEEN THE TOP OF THE PIER AND THE MAIN FRAME. TWO INCH OR 4" SOLID CONCRETE BLOCKS SHALL BE PERMITTED TO BE USED TO FILL THE REMAINDER OF ANY GAP. SHIMS SHALL BE AT LEAST NOMINAL 4" WIDE AND 6" LONG AND SHALL BE FITTED AND DRIVEN TIGHT BETWEEN THE WOOD PLATE OR PIER AND MAIN FRAME



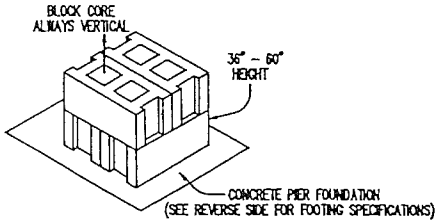
SECTION THROUGH PERIMETER (3)



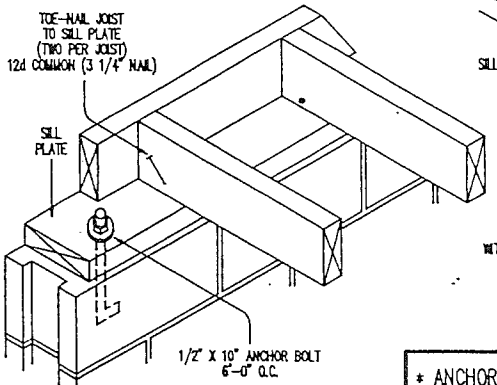
SECTION THROUGH CENTER SUPPORT (7)



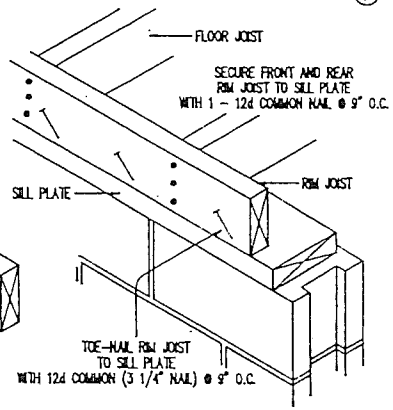
PROPER SUPPORT STAND POSITIONING (6)



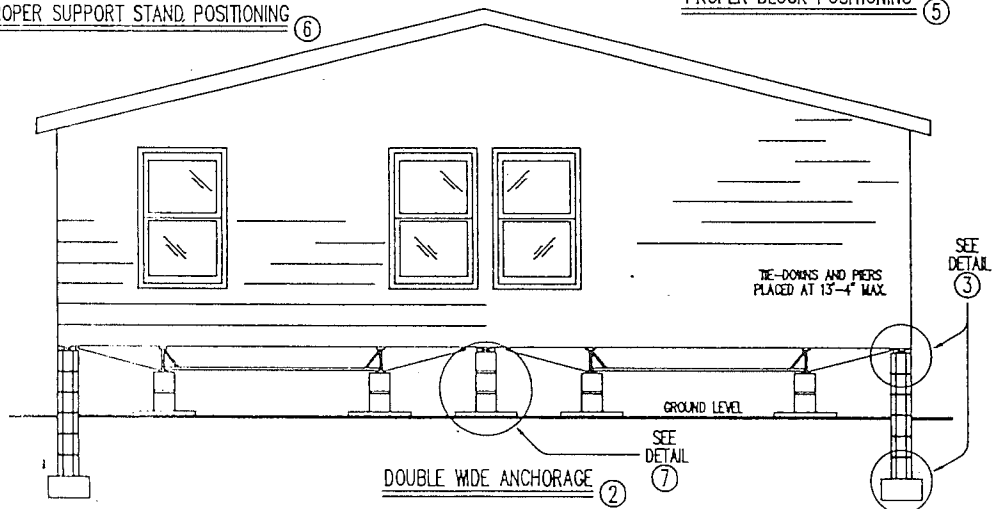
PROPER BLOCK POSITIONING (5)



JOIST TO SILL CONNECTION (8)
(METHOD A)



RIM JOIST TO SILL CONNECTION (9)
(METHOD B)



DOUBLE WIDE ANCHORAGE (2)

* ANCHORAGE DESIGNED FOR STANDARD WIND ZONE 1 (15 PSF HORIZONTAL, 9 PSF UPLIFT)

EVOR F. JOHNS REGISTERED NO. 01666 STATE OF INDIANA PROFESSIONAL ENGINEER

9/5/93

CHIEF INDUSTRIES, INC., HOUSING DIVISION

REVISIONS	DATE
A	
B	
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D	
E	
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G	

DRAWN BY — DATE 3/8/93
CHECKED BY — DATE
SCALE NONE
PRINT ANCHORAGE
MODEL BP

SECTION VII

SITE ASSEMBLY INSTRUCTIONS

Single Section Homes

SITE ASSEMBLY INSTRUCTIONS
SINGLE SECTION HOMES
Table of Contents

SITE PREPARATION, FOOTINGS AND BLOCKING,LEVELING 1

POSITIONING AND BLOCKING OF SINGLE-SECTION HOMES 5

UTILITY CONNECTIONS 8

APPLIANCE INSTALLATION 10

FINAL INSPECTION 11

your home must be set up by a dealer, installer, or home mover specially licensed to do this work. If your dealer is not licensed himself, he will make the arrangements with a contractor who is licensed. You should not try to do this important work yourself.

Footings

Proper support for your home includes footings and blocking. The footings carry and distribute the weight of the home placed on the blocking. The best footing is a poured concrete slab, often called a pad. A good pad is at least 3 1/2" thick, reinforced with wire mesh, and as large as your home less its hitch. (See Figure 1)

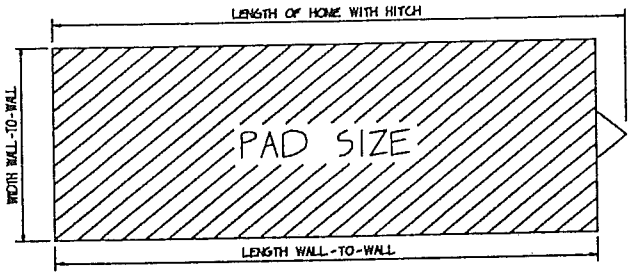


FIGURE 1

A good alternate to a concrete slab base is ribbons of reinforced concrete 4" thick and 24" wide, spaced so they lie directly beneath the steel beams of the frame. (See Figure 2)

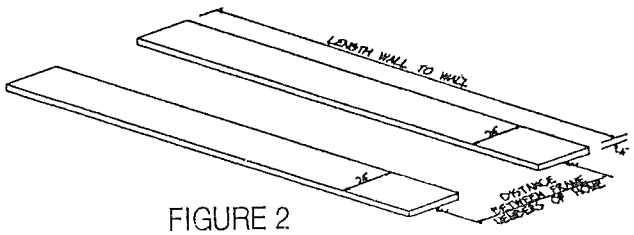


FIGURE 2

You may also set a single-section home on piers. Piers are usually built of concrete block set or proper support stands on individual footings. The dimensions of each footing should be 8" greater than the dimensions of the pier. If you use concrete block 8" wide and 16" long, for example, footings should be 16" wide and 24" long. (See Figure 3) Footings should be

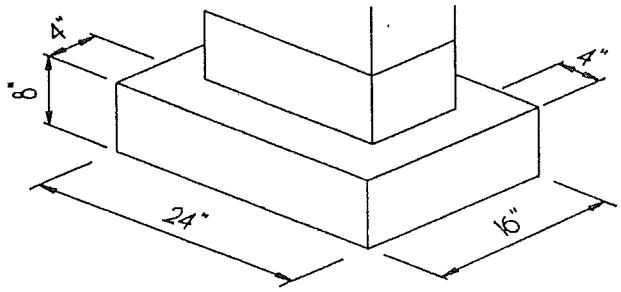


FIGURE 3

8" thick. They are often poured with their tops level with the surface of the site. You will have fewer releveling problems, however, if the bottoms of footings lie below the frost line in your community so that the piers won't heave in the spring and settle in the fall.

Blocking

The purpose of supports is to distribute the load of your home as evenly as possible on the footings, and to provide a sturdy base. Adjustable steel jacks make excellent supports, and simplify the job of leveling. Any manufactured supports that you use should be listed and labeled by an approved testing agency. Your set-up contractor or your local building inspector can advise you on the best supports to use.

To achieve the best results, your home must stand as level as possible on its supports. If it does not, here are some of the problems that can result:

* Walls, partitions, and floors that buckle.
* Leaks around windows and doors, and at seams in the roof, ceiling, and walls.
* Cabinet doors and drawers that won't shut properly.
* Walls, partitions, and ceiling materials that come loose.
* Floor covering that wrinkles, and floor structure that feels soft and spongy under foot.
* Exterior metal or siding that wrinkles or cracks.
* Piping and wiring that snap under tension.

To prevent these problems, your set-up contractor should check and adjust the level of your home during the entire block process.

3. Use a firm support under the jack base to prevent tipping or settling of the jack.

4. Avoid overstressing structural members.

NOTE: Excessive or non-uniform jacking during the leveling process can cause the home to be racked and twisted. This could result in serious structural damage to the home, thus voiding your warranty.

Jacking and Leveling Procedure

1. Determine from Section III for single-section homes in your Field Installation Manual the proper spacing for the piers located under the home. If a concrete slab has not been installed at the site, concrete pads should then be distributed under the main frame members. If any additional piers are needed under column supports, then concrete pads should also be positioned for these items.

2. Raise the hitch of the unit to be blocked and leveled approximately 2" higher than its final position with the screw jack assembly, or a heavy duty hydraulic jack. Adequate blocking should then be placed under the hitch assembly to prevent its falling to the ground in the event the jack stem assembly should fail. Place a 12 ton jack under each main frame member just to the rear of the rear spring hangers. These two jacks should be operated simultaneously to raise the home until it is approximately 2" higher than its final position.

3. If the tires and axles are to be removed, safety supports should be placed tightly under the frame members at this point to prevent the home from dropping should the jack fail. When removing axles, one jack should be located directly in front of the first spring hanger and one directly behind the last spring hanger. It would be wise to position a jack under each end of axle when removing bolts. (See Figure 8)

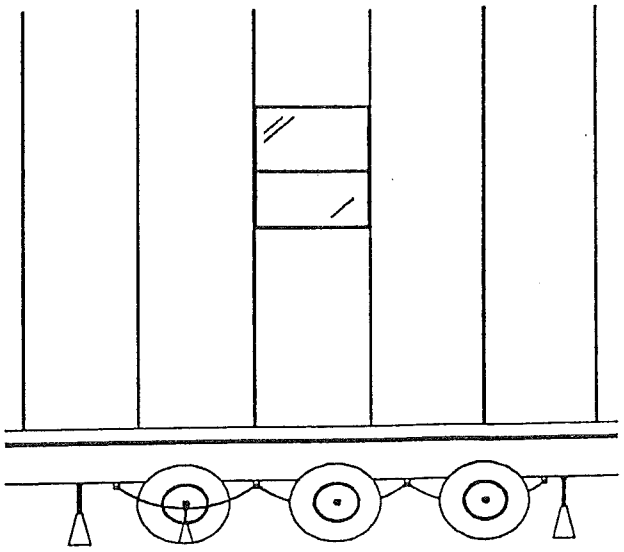


FIGURE 8

4. The concrete pads for pier supports, previously distributed around the unit, are now located directly under each I-beam adhering to specified spacing. Concrete or metal piers are then placed into position on the pads. These piers have an adjustable bracket placed in the top, on which the steel frame will set.

5. The water level previously referred to is now positioned at a height whereby the level of the water inside the reservoir is exactly at the height the bottom of the steel frame will be in its final position. (See Figure 9)

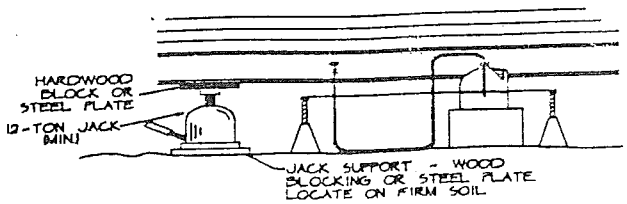


FIGURE 9

UTILITY CONNECTIONS

GENERAL

Before connecting any utility systems, it is recommended that local, county, and state authorities be consulted.

NOTE: IT MUST BE POSSIBLE BY REMOVABLE SECTIONS OF SKIRTING OR THROUGH ACCESS DOORS TO GAIN ACCESSIBILITY TO ALL UTILITY HOOKUPS.

Heating System

The gas heating system in your Chief Industries/Homes has been designed to operate effectively on natural gas.

After the gas system has been installed, it must be final checked to insure freedom from leaks. To avoid damage to the lines or possible injuries to oneself use a mixture of soap and water to check these lines for leaks.

To avoid possible damage to associated gas valves and regulators incorporated on appliances, do not pressurize the gas line in excess of 8 ounces maximum after final connections are made.

After final testing of the gas supply lines, the home can be connected by using a listed gas connector of the capacity indicated on the label by the gas inlet.

Electrical System

Your home is designed to be connected to an electrical supply source rated at 240 volts, 3 pole, 4-wire with ground system. In making the feeder connections to this power source, it is extremely important that wire of the correct size be used. If wire is incorrectly sized, the ampacity for that wire may be exceeded and you will experience a voltage drop to your home. Ampacity is the safe carrying capacity of a wire expressed in amperes. The greater the amperes flowing, the greater the heat.

Moreover, if the amperage is allowed to become too great, the wire may become so hot that it will damage the insulation or even cause a fire. A voltage drop in your home can cause a drop in the efficiency of all lights as well as appliances. Motors may burn out and you may be paying for electricity you do not use.

It is also critical for the protection of the occupants of the home that it be properly grounded. Grounding a rod, a water pipe, or through the mobile home will not provide this important protection in most cases.

The only safe and approved method of grounding your home is through an electrical-isolated grounding bar in the manufactured home power supply panel which grounds all non-current-carrying metal parts to the electrical system in your home at a single point.

<u>IT IS EXTREMELY IMPORTANT THAT THE NEUTRAL CONNECTOR NOT BE GROUNDED IN OR ON THE MANUFACTURED HOME OR THE HOME SERVICE ENTRANCE CABINET.</u>

Water System

The water system can be connected to any water supply through a 3/4" pipe inlet located below the home and usually near the water heater compartment. A tag on the side of the home indicates this water inlet. A shutoff valve must also be installed between the water supply and the inlet when it is connected. The valve must be a full port gate valve or a full port ball valve.

NOTE: THE MAIN SHUTOFF VALVE IS NOT SUPPLIED BY THE MANUFACTURER, BUT

APPLIANCE INSTALLATION

General

A gas or electric clothes dryer installed in the home must be exhausted on the outside by a moisture lint exhaust duct and termination fittings. Ducts shall not terminate beneath the home.

A moisture lint exhaust system will be roughed in by the manufacturer if dryer or receptacle for dryer is furnished by the manufacturer. This will be noted on the data plate.

Installation

1. An access panel is located in the dryer area to provide access to the dryer end of duct system.

2. Access to rough in from outside may be located on the bottom side of the floor or on an exterior wall.

3. The exhaust system shall be completed on site as shown with materials provided by the owner.

Exhaust duct and termination fittings must be listed by an approved testing agency or certified as components of the dryer.

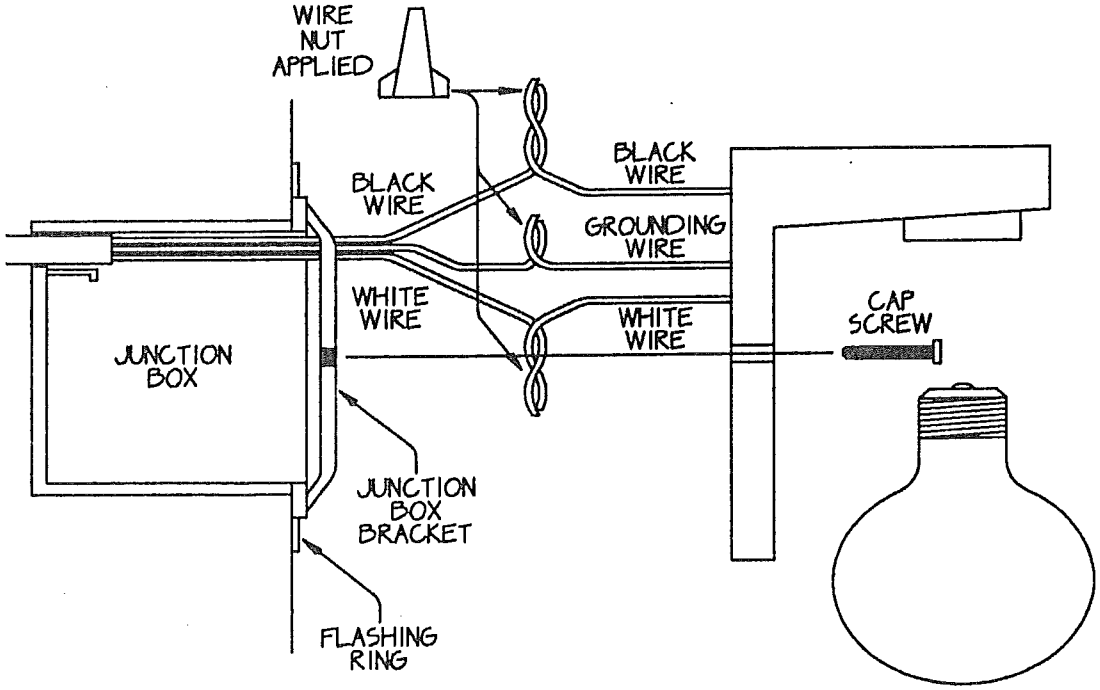
Air Conditioning

Branch circuits installed at the factory for the purpose of energizing air conditioning equipment will have a 3/4" conduit from the service panel through the floor for the owner to make the connection.

Exterior Light Connection

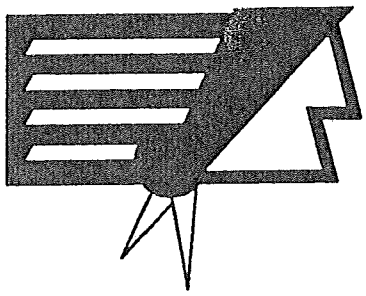
Remove junction box cover. Make wire to wire connections using wire nuts appropriately sized for connection.

Secure light fixture to junction box. Furnish bulb and attach globe. See below:



1. CONNECT WIRES TOGETHER ACCORDING TO COLOR (I.E. BLACK TO BLACK) USING A WIRE NUT. NOTE: GROUNDING WIRES MAY BE EITHER BARE WIRE OR COLOR CODED GREEN.
2. GROUNDING OF THE JUNCTION BOX BRACKET MUST BE MADE BY ATTACHING THE GROUNDING CONDUCTOR TO THE BRACKETS GROUNDING SCREW OR IF NO SCREW EXISTS, A LISTED CLAMP MUST BE USED. THIS CONNECTION MUST BE MADE PRIOR TO THE CONNECTION TO THE FIXTURE.
3. FOLD WIRES OVER THE JUNCTION BOX BRACKET BACK INTO JUNCTION BOX.
4. PLACE LIGHT FIXTURE OVER JUNCTION BOX AND USING A CAP SCREW, SECURE THE FIXTURE THROUGH THE FIXTURE ITSSELF AND INTO THE THREADS IN THE JUNCTION BOX BRACKET.

CHIEF INDUSTRIES, INC.



HOUSING DIVISION

AURORA INDUSTRIAL SITE
West Hiway 34
Aurora, NE

FIELD INSTALLATION MANUAL MANUFACTURED DOUBLE SECTION HOME

January 29,1993

CHIEF INDUSTRIES, INC.
HOUSING DIVISION

----CONTENTS----

This booklet contains **Field Installation Specifications** for all Chief Industries, Inc., Housing Division Double Section Homes, per category as follows:

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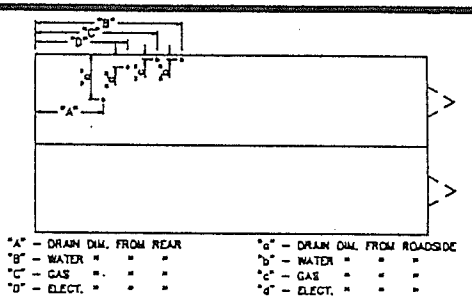
SECTION III	SUPPORT BLOCKING
SECTION IV	ALTERNATE SUPPORT BLOCKING
SECTION V	SUPPORT BLOCKING W/ CROSSBEAM CONSTRUCTION
SECTION VI	SUPPORT BLOCKING W/ CROSSBEAM
SECTION VII	ALTERNATE SUPPORT BLOCKING W/ CROSSBEAM
SECTION VIII	CRAWLSPACE CONSTRUCTION W/ PIERS AND PERIMETER FOUNDATION
SECTION IX	PERIMETER FOUNDATION W/ PIERS
SECTION X	CRAWLSPACE CONSTRUCTION W/ CROSSBEAM AND PERIMETER FOUNDATION
SECTION XI	BASEMENT CONSTRUCTION W/ CROSSBEAM
SECTION XII	PERIMETER FOUNDATION W/ CROSSBEAM
SECTION XIII	TYPICAL ANCHORAGE & FOOTINGS INSTRUCTIONS
SECTION XIV	SITE ASSEMBLY INSTRUCTIONS

SECTION I

SERVICE ENTRANCE LOCATIONS

Double Section Homes

CHIEF INDUSTRIES, HOUSING DIVISION
SERVICE ENTRANCE LOCATIONS
DOUBLE SECTION



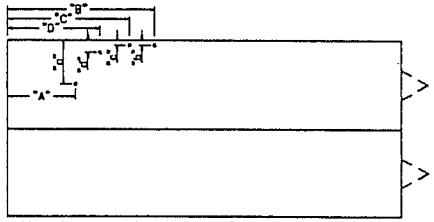
MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
648BA-39	22'-0"	4'-7"	33'-7"	1'-1"	20'-2"	1'-0"	13'-0 1/2"	1'-5"
652BA-39	22'-0"	4'-7"	8'-5"	1'-1"	20'-2"	1'-0"	1'-5"	7'-8"
656BA-39	27'-4"	4'-0"	10'-10"	25'-7"	27'-10"	25'-8"	1'-6"	8'-3"
660BA-39	26'-0"	5'-3"	6'-6 1/2"	1'-1"	11'-10"	1'-0"	2'-0"	Sidewall
660BB-39	26'-0"	22'-3"	46'-3"	1'-1"	24'-2"	25'-8"	8'-1"	15'-0"
664BA-39	30'-0"	7'-3"	21'-8"	1'-1"	22'-10"	1'-0"	19'-2 1/2"	1'-6"
670BA-39	32'-8"	4'-3"	26'-6"	1'-1"	23'-8"	1'-0"	24'-8"	Sidewall
670BB-39	32'-8"	5'-1"	19'-0"	1'-1"	42'-6"	1'-0"	46'-0"	1'-8"
680BA-39	36'-8"	5'-9"	19'-4"	1'-1"	26'-4"	1'-0"	10'-0"	Sidewall
746AA-39	18'-0"	4'-11"	8'-5"	1'-1"	19'-10"	1'-0"	1'-6"	10'-3"
752AA-39	22'-0"	4'-11"	8'-5"	1'-1"	9'-2"	1'-0"	0'-4"	7'-0"
752AB-39	30'-0"	4'-11"	39'-5"	1'-1"	23'-10"	1'-0"	47'-10"	7'-0"
756AA-39	27'-4"	4'-2"	40'-2"	1'-1"	21'-6"	1'-0"	45'-5"	1'-6"
760AA-39	15'-4"	4'-11"	7'-10"	1'-1"	31'-10"	1'-0"	30'-4 1/2"	1'-5"

MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
760AB-39	26'-0"	4'-11"	8'-5"	1'-1"	11'-10"	1'-0"	0'-4"	6'-9"
764AA-39	28'-8"	5'-9"	10'-8"	1'-1"	19'-10"	1'-0"	17'-2"	0'-8"
764AB-39	30'-0"	4'-7"	23'-10"	1'-1"	23'-10"	1'-0"	24'-3 1/2"	1'-5"
764AC-39	30'-0"	22'-5"	40'-8"	1'-1"	36'-2"	1'-0"	51'-4"	Sidewall
768AA-39	34'-0"	8'-0"	12'-8"	26'-3"	20'-2"	26'-4"	8'-6"	25'-10"
768AB-39	38'-0"	4'-8"	6'-2"	26'-3"	22'-6"	1'-0"	1'-5"	16'-3"
768AC-39	34'-0"	7'-2"	1'-8"	26'-3"	17'-6"	26'-4"	1'-5"	19'-6"
770AA-39	36'-8"	4'-11"	7'-0"	1'-1"	34'-10 1/4"	1'-0"	26'-0"	Sidewall
770AB-39	30'-0"	4'-11"	11'-9"	1'-1"	34'-6"	1'-0"	3'-0"	1'-5"
770AC-39	34'-0"	6'-6"	21'-1"	1'-1"	23'-10"	1'-0"	19'-10"	1'-8"
770AD-39	32'-8"	4'-11"	56'-11"	1'-1"	21'-1 1/2"	1'-0"	21'-7 1/2"	1'-6"
780AA-39	38'-0"	6'-6"	26'-5"	1'-1"	15'-10"	1'-0"	25'-2"	1'-5"
780AB-39	38'-0"	4'-11"	64'-3"	1'-1"	43'-10"	1'-0"	54'-4"	1'-6"
780AC-39	38'-0"	18'-9 1/2"	7'-10"	1'-1"	22'-10"	1'-0"	0'-4"	4'-8"

CHIEF INDUSTRIES, HOUSING DIVISION

SERVICE ENTRANCE LOCATIONS

DOUBLE SECTION



MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
744SA-29	18'-0"	6'-6 1/2"	8'-11"	1'-1"	19'-10"	1'-0"	6'-0"	Sidewall
752SA-29	24'-8"	5'-8"	2'-2"	1'-1"	35'-10"	1'-0"	7'-4"	Sidewall
752SB-29								
752SC-29	26'-0"	4'-11"	11'-7"	1'-1"	24'-2"	1'-0"	31'-8 3/4"	1'-6"
756SA-29	26'-0"	4'-11"	46'-1"	1'-1"	36'-2"	1'-0"	37'-7 1/2"	1'-6"
756SB-29								
756SC-29	26'-0"	6'-8"	40'-8"	1'-1"	28'-2"	1'-0"	38'-6"	1'-6"
760SA-29	30'-0"	4'-11"	16'-6"	1'-1"	32'-2"	1'-0"	21'-0 1/2"	1'-6"
760SB-29	24'-8"	4'-4 1/2"	34'-0"	1'-1"	32'-2"	1'-0"	34'-7 1/2"	1'-6"
760SC-29	30'-0"	5'-3 1/2"	13'-0"	1'-1"	11'-9 1/4"	1'-0"	18'-6"	1'-6"
764SA-29	30'-0"	4'-11"	2'-5"	1'-1"	11'-10"	1'-0"	13'-7"	1'-6"
764SB-29	27'-4"	6'-4"	19'-7"	1'-1"	19'-10"	1'-0"	17'-7"	1'-6"

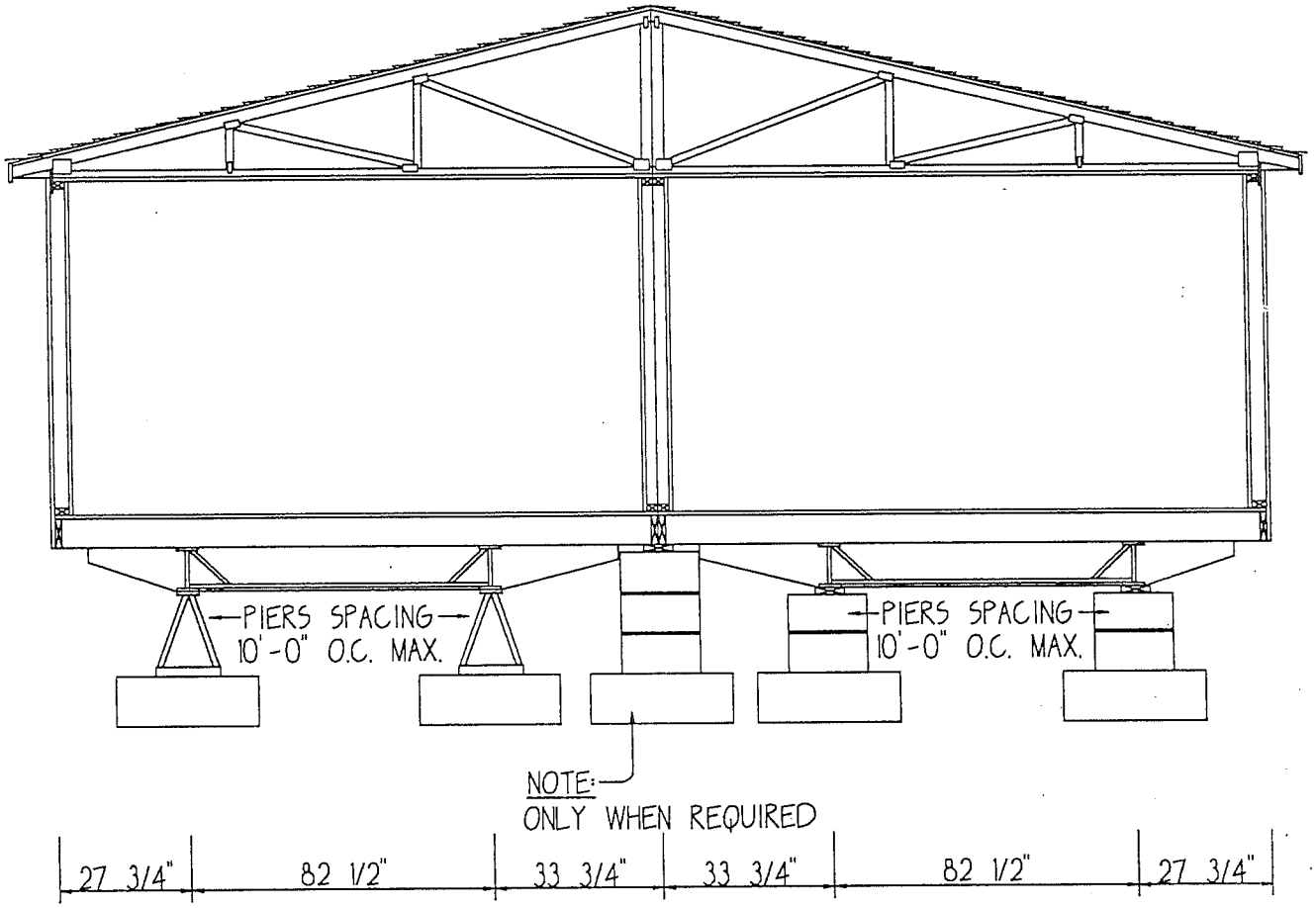
MODEL	"A"	"a"	"B"	"b"	"C"	"c"	"D"	"d"
764SC-29	30'-0"	4'-11"	25'-0"	1'-1"	28'-2"	1'-0"	0'-4"	11'-4"
770SA-29	30'-0"	4'-8"	11'-4"	1'-1"	21'-2"	1'-0"	11'-9"	1'-6"
780SA-29	38'-0"	7'-1"	63'-4"	1'-1"	52'-2"	1'-0"	51'-4"	Sidewall
756TA-39	22'-0"	4'-11"	13'-7"	1'-1"	17'-6"	1'-0"	6'-7"	1'-6"
760TA-39	30'-0"	5'-1"	29'-7"	1'-1"	11'-10"	1'-0"	19'-4"	Sidewall
760TB-39	26'-0"	22'-7"	17'-7"	1'-1"	11'-10"	1'-0"	12'-3 1/2"	1'-6"
764TA-39	32'-8"	6'-2"	38'-0"	1'-1"	35'-10"	1'-0"	36'-8"	Sidewall
770TA-39	35'-0"	19'-1"	33'-9"	26'-3"	34'-6"	1'-0"	20'-4"	1'-6"
772TA-39	34'-0"	6'-8"	36'-2"	1'-1"	47'-10"	1'-0"	38'-10 3/4"	1'-6"
780TA-39	38'-0"	4'-11"	53'-7"	1'-1"	44'-2"	1'-0"	55'-4"	Sidewall
644UA-39	20'-8"	4'-7"	31'-10"	1'-1"	16'-2"	1'-0"	13'-0 1/2"	1'-6"

SECTION II

SUPPORT BLOCKING CONSTRUCTION

Double Section Homes

SUPPORT BLOCKING CONSTRUCTION



26' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 24'-0"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

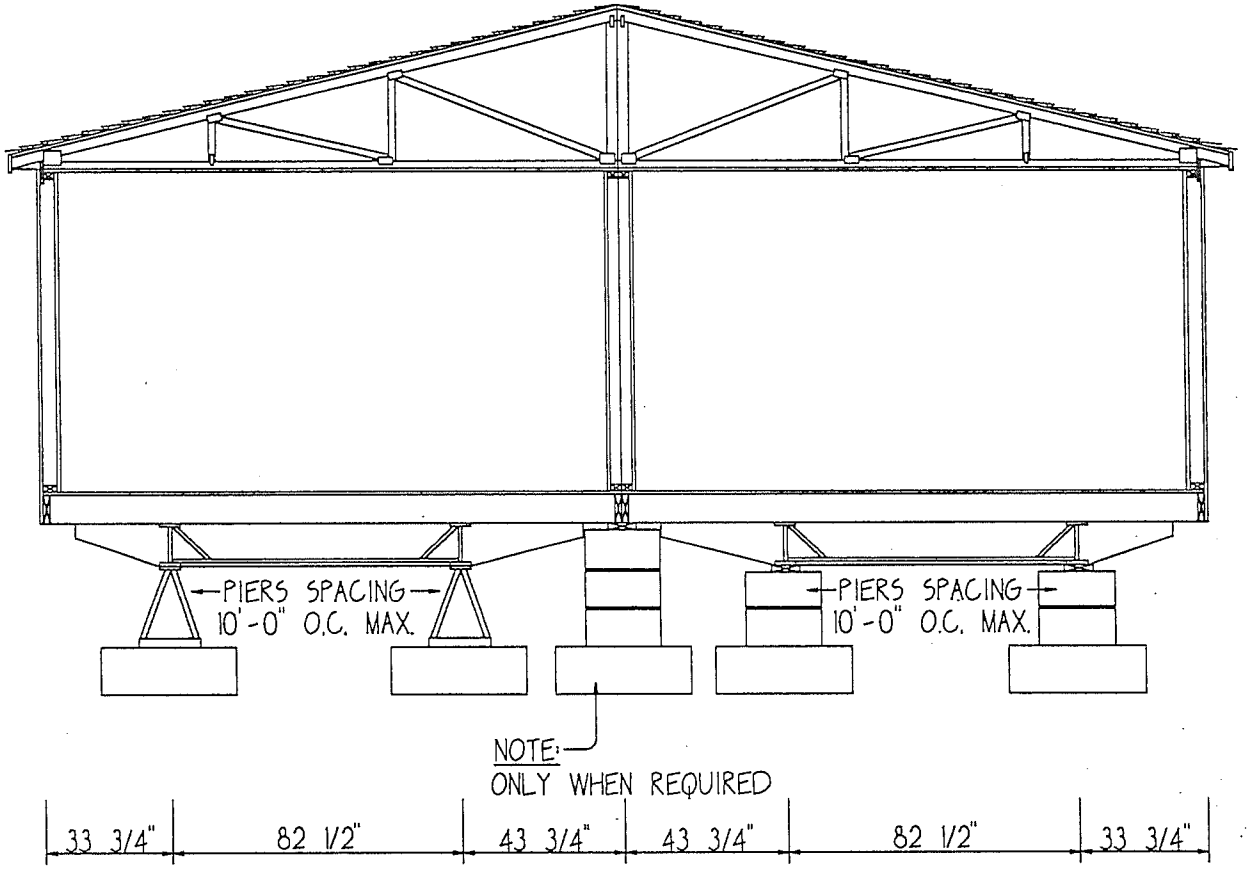
DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
12/15/92

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

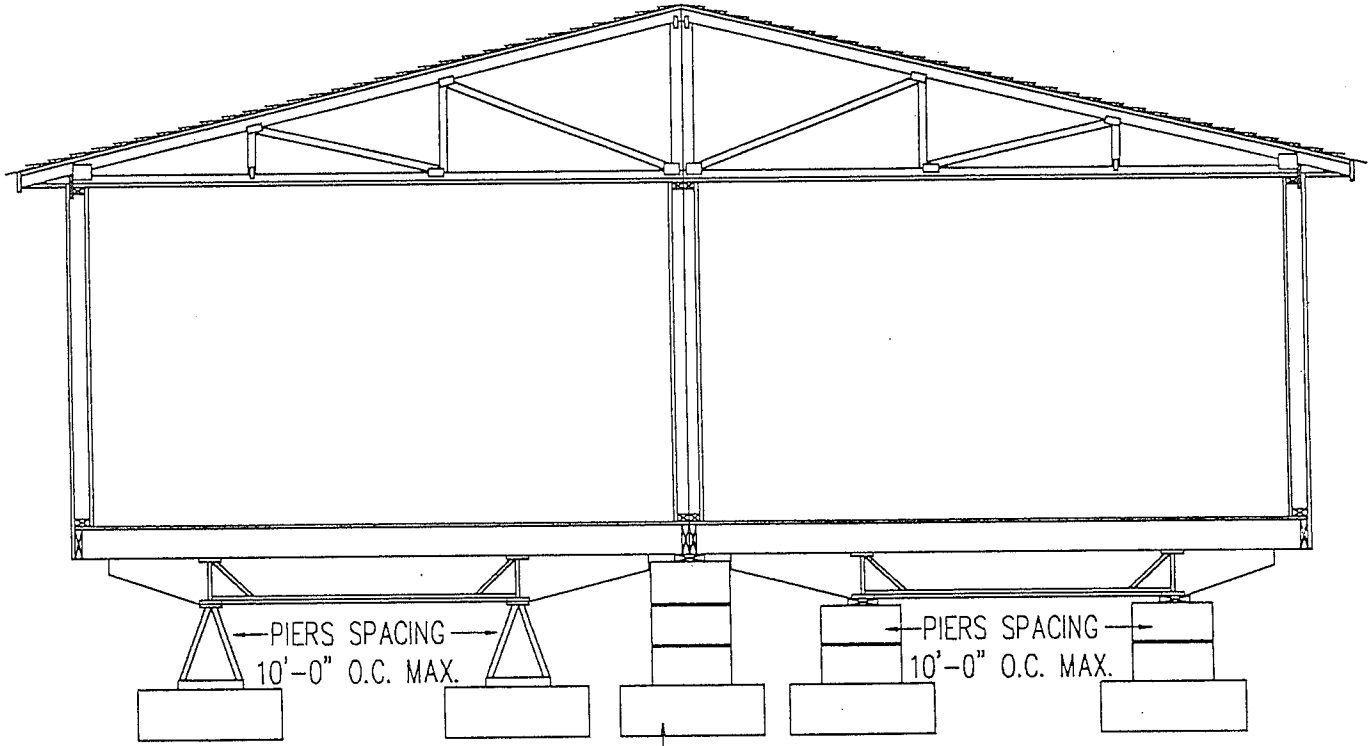
SCALE: NONE
CHKD. BY:
DRWG. BY: DJ
1/24/13

SUPPORT BLOCKING CONSTRUCTION



28' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 26'-8"

SUPPORT BLOCKING CONSTRUCTION



30' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 27'-4"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

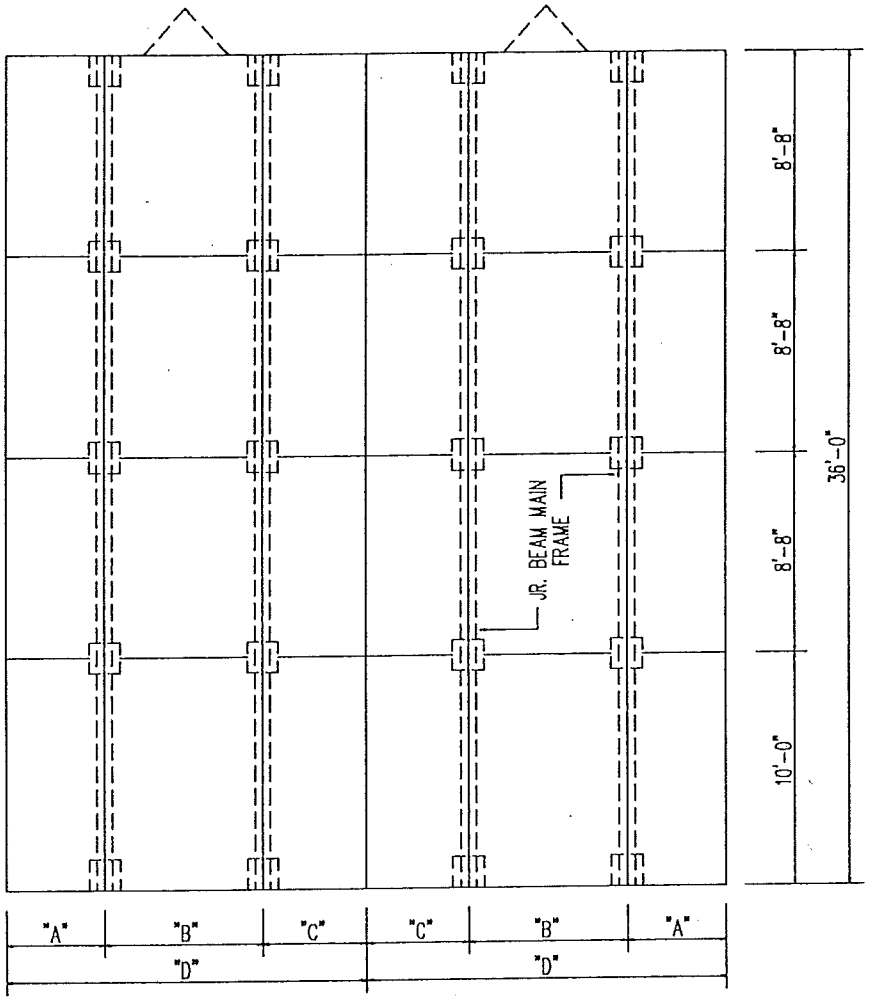
DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
1/29/93

SECTION III

SUPPORT BLOCKING

Double Section Homes

SUPPORT BLOCKING – 40'D.W.



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAYOUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

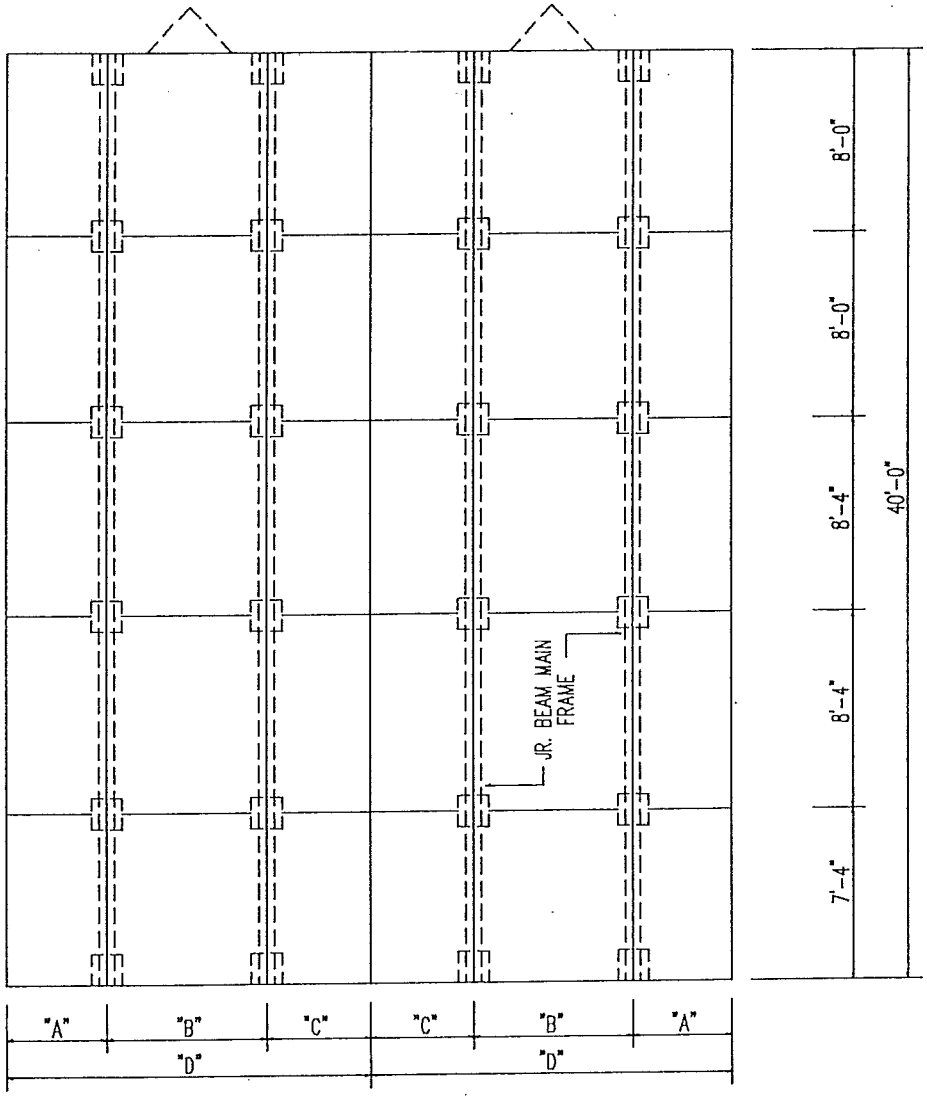
MODEL	"A"	"B"	"C"	"D"
24'x40'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x40'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x40'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/29/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING – 44'D.W.

FRONT



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

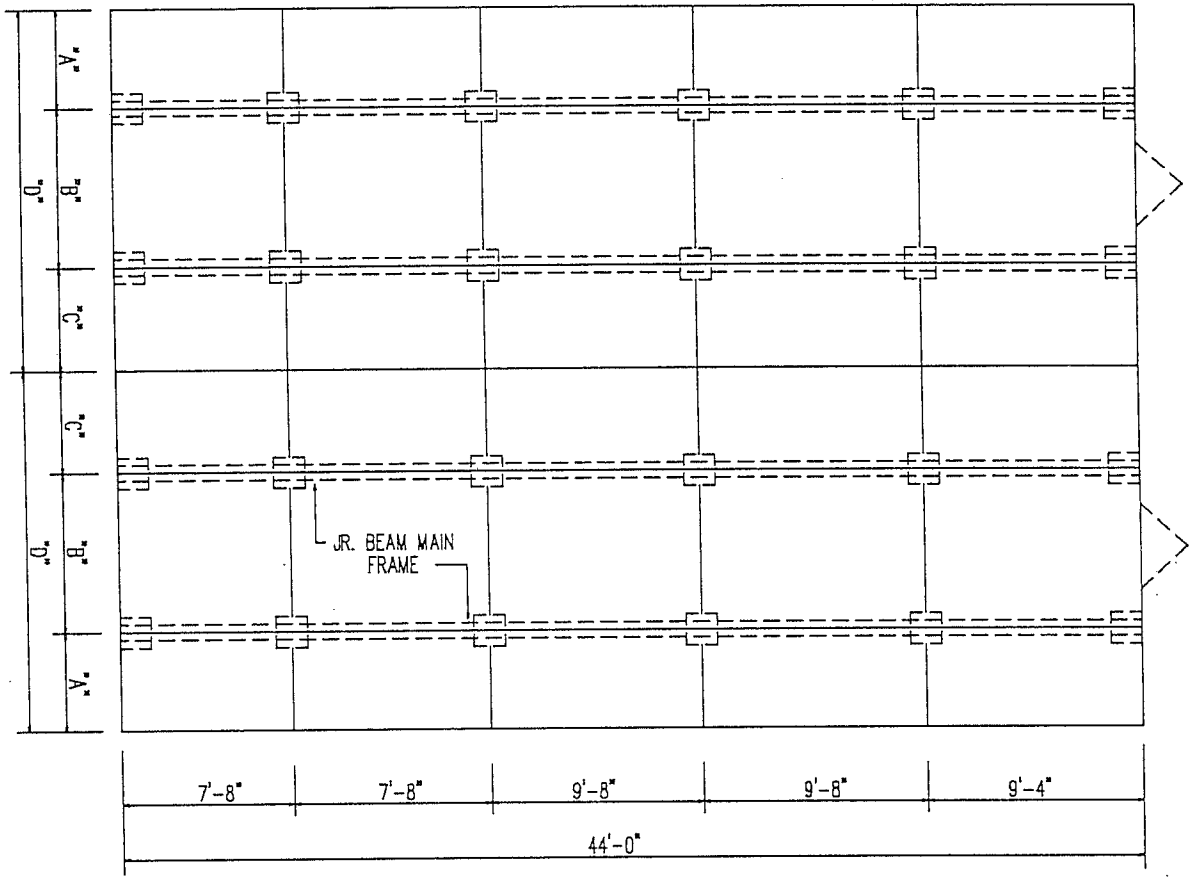
MODEL	"A"	"B"	"C"	"D"
24'x44'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x44'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x44'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	1/29/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING – 48'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x48'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x48'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x48'	35 3/4"	82 1/2"	45 3/4"	13'-8"

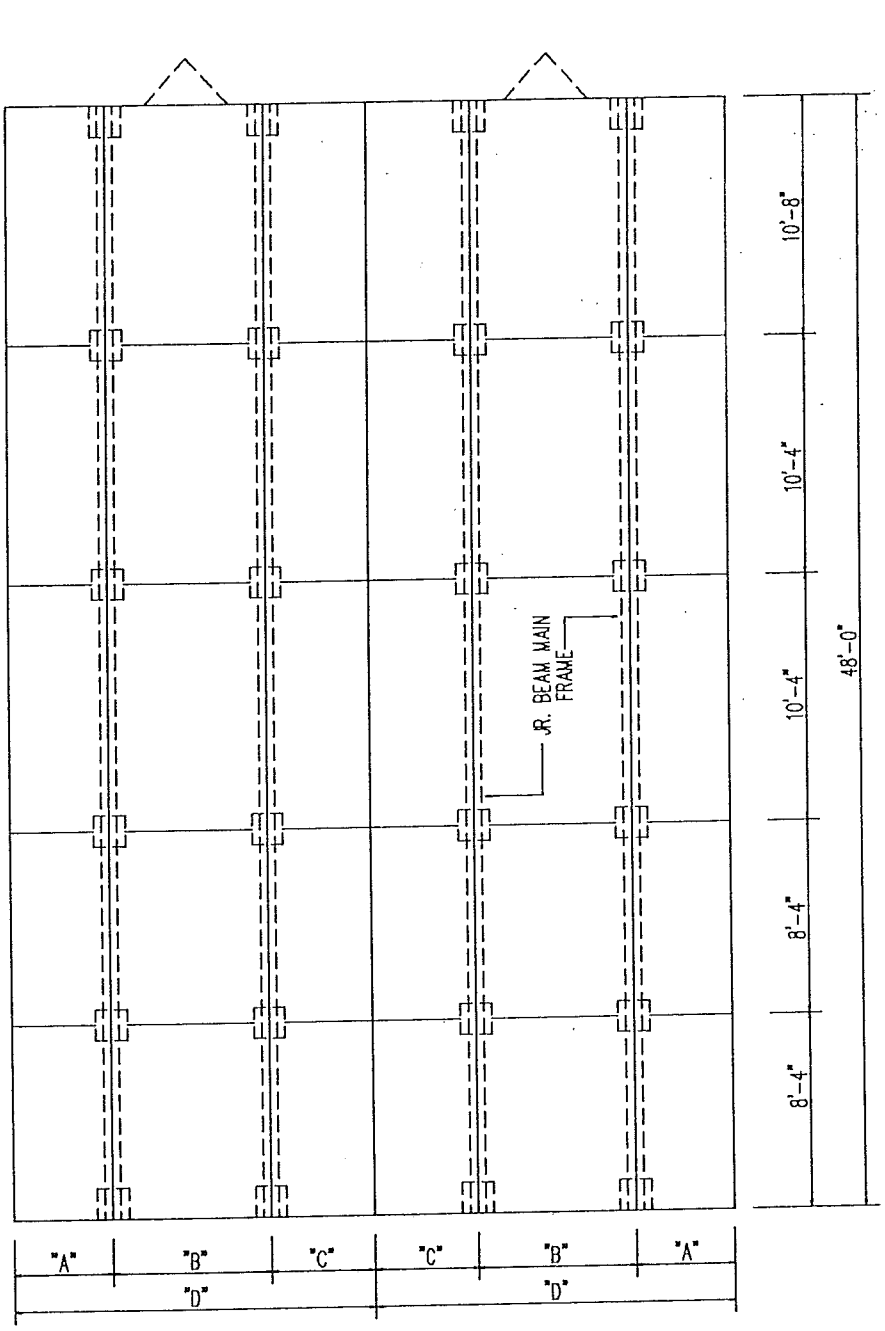
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/29/93
CHKD. BY:
SCALE: NOT TO SCALE

-

SUPPORT BLOCKING - 52'D.W.



NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

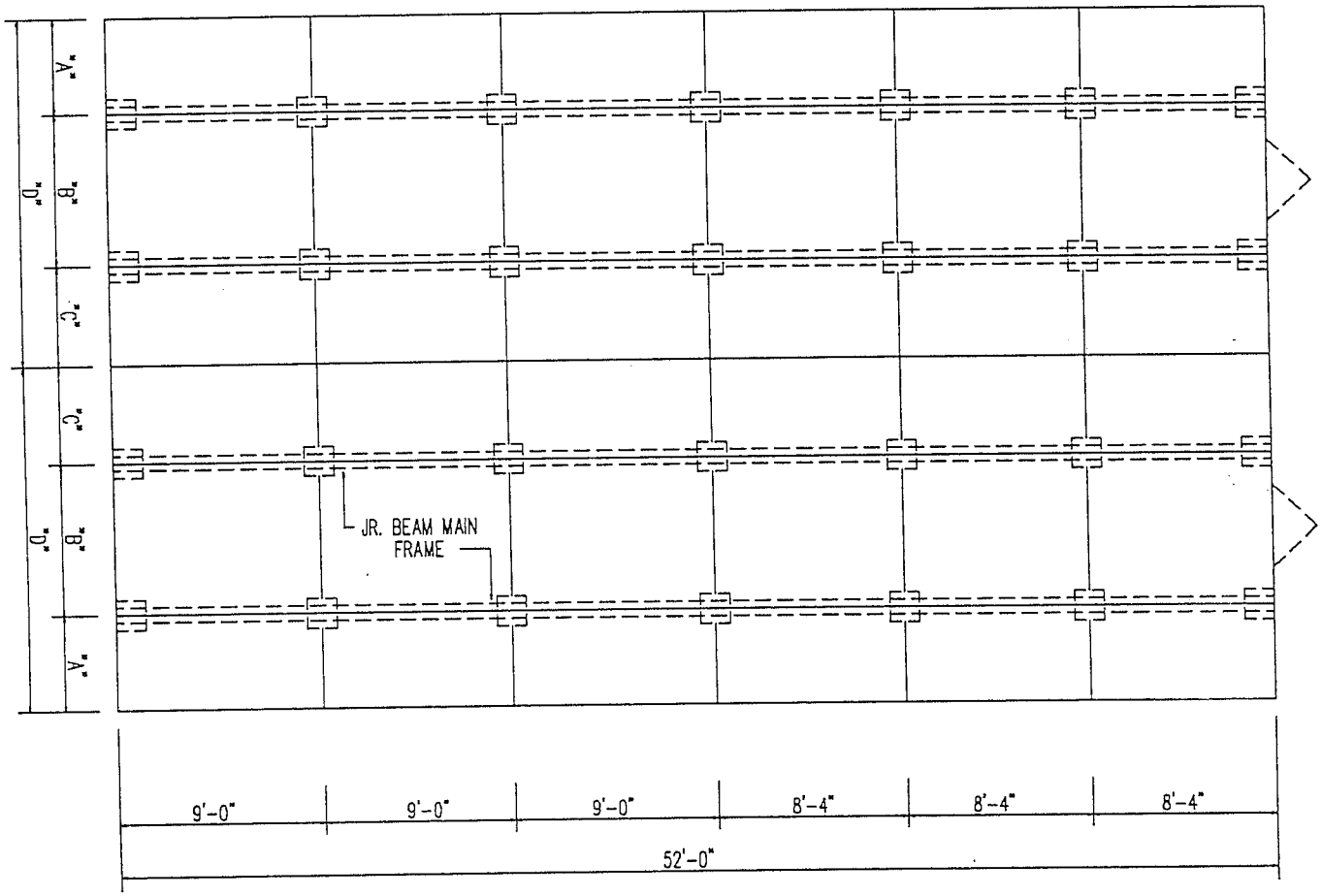
MODEL	"A"	"B"	"C"	"D"
24'x52'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x52'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x52'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	12/17/92
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING – 56'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

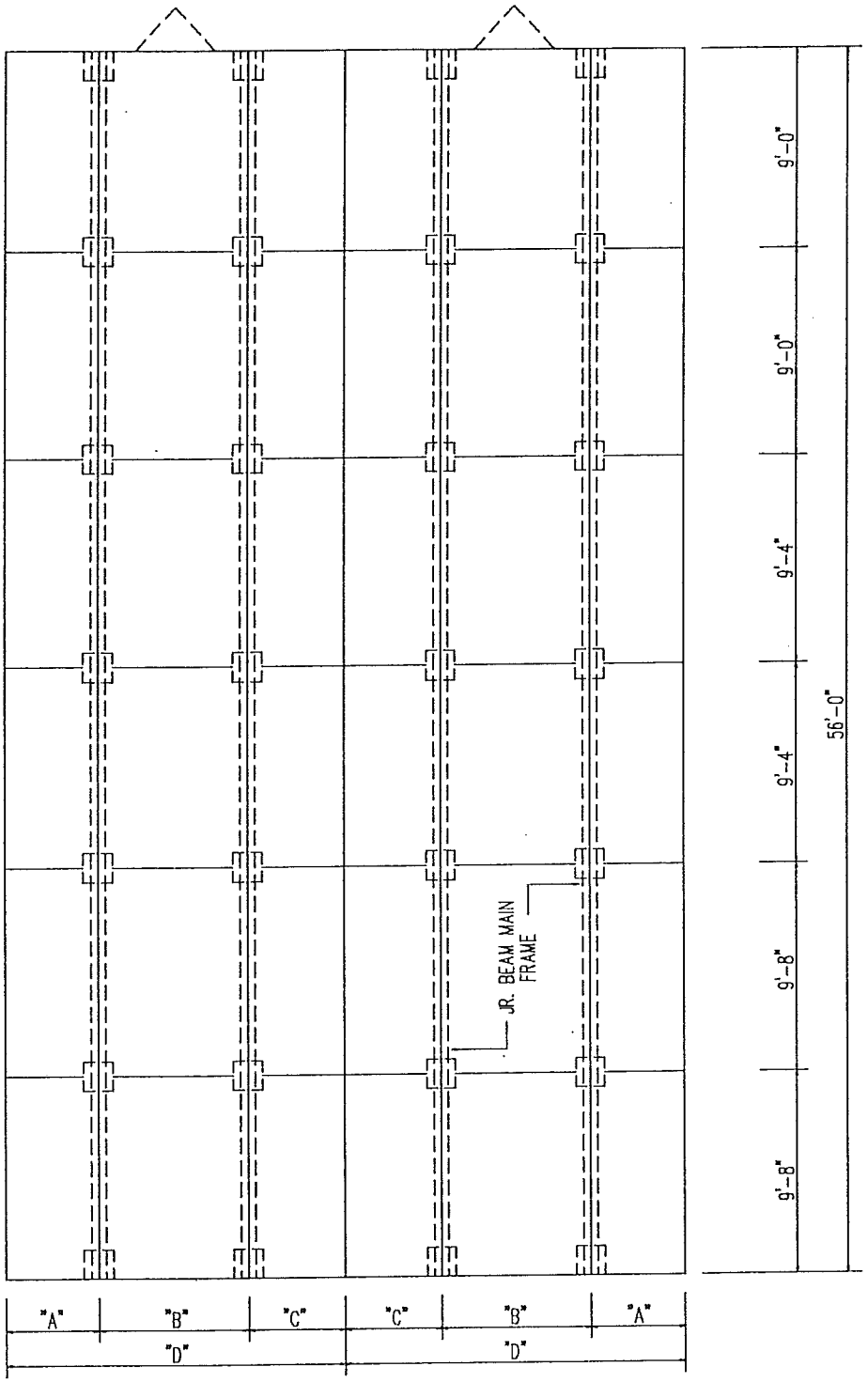
MODEL	"A"	"B"	"C"	"D"
24'x56'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x56'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x56'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING - 60'D.W.



NOTE:
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REVISIONS	DATE

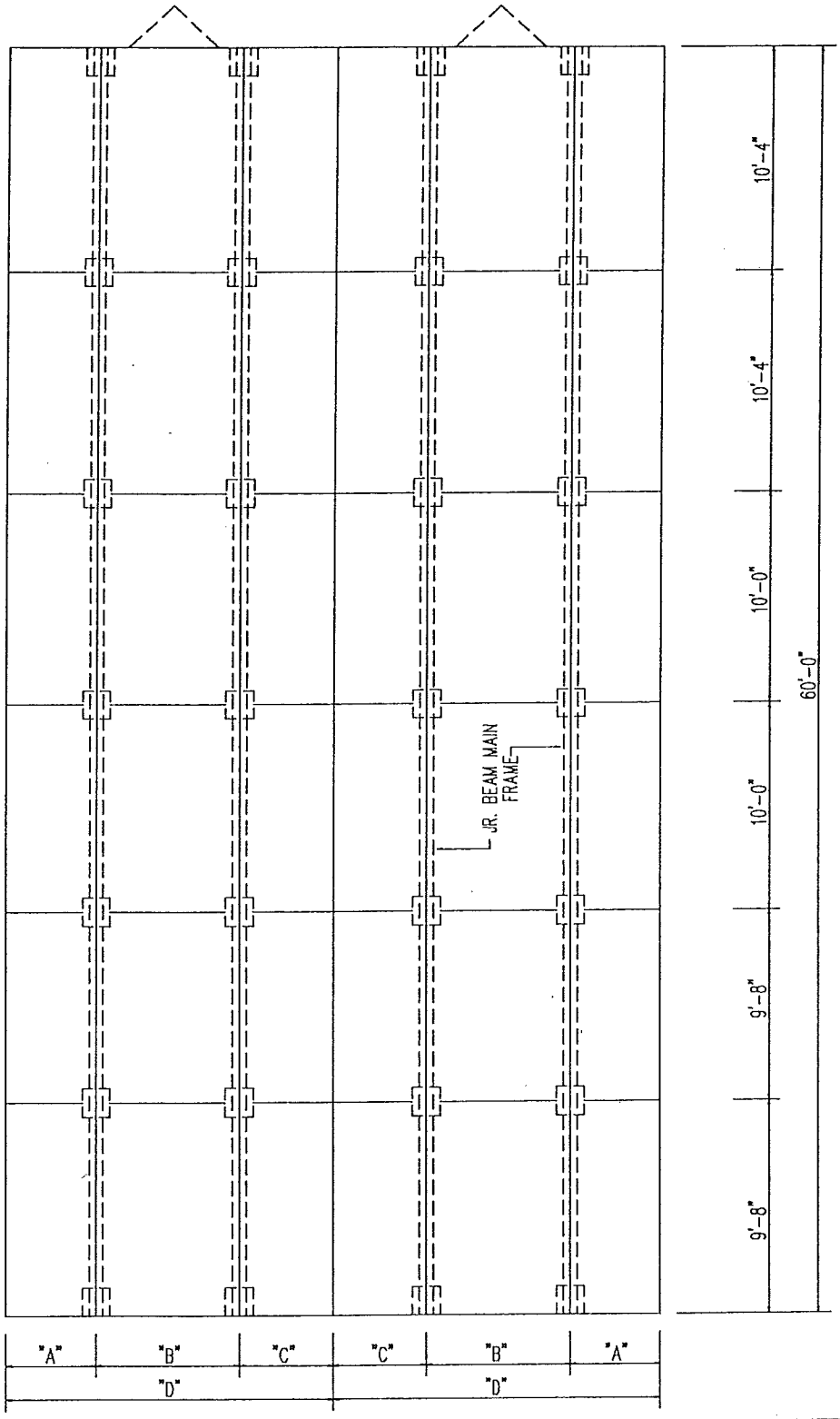
MODEL	"A"	"B"	"C"	"D"
24'x60'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x60'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x60'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/1/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING - 64'D.W.

FRONT



NOTE:
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REVISIONS	DATE

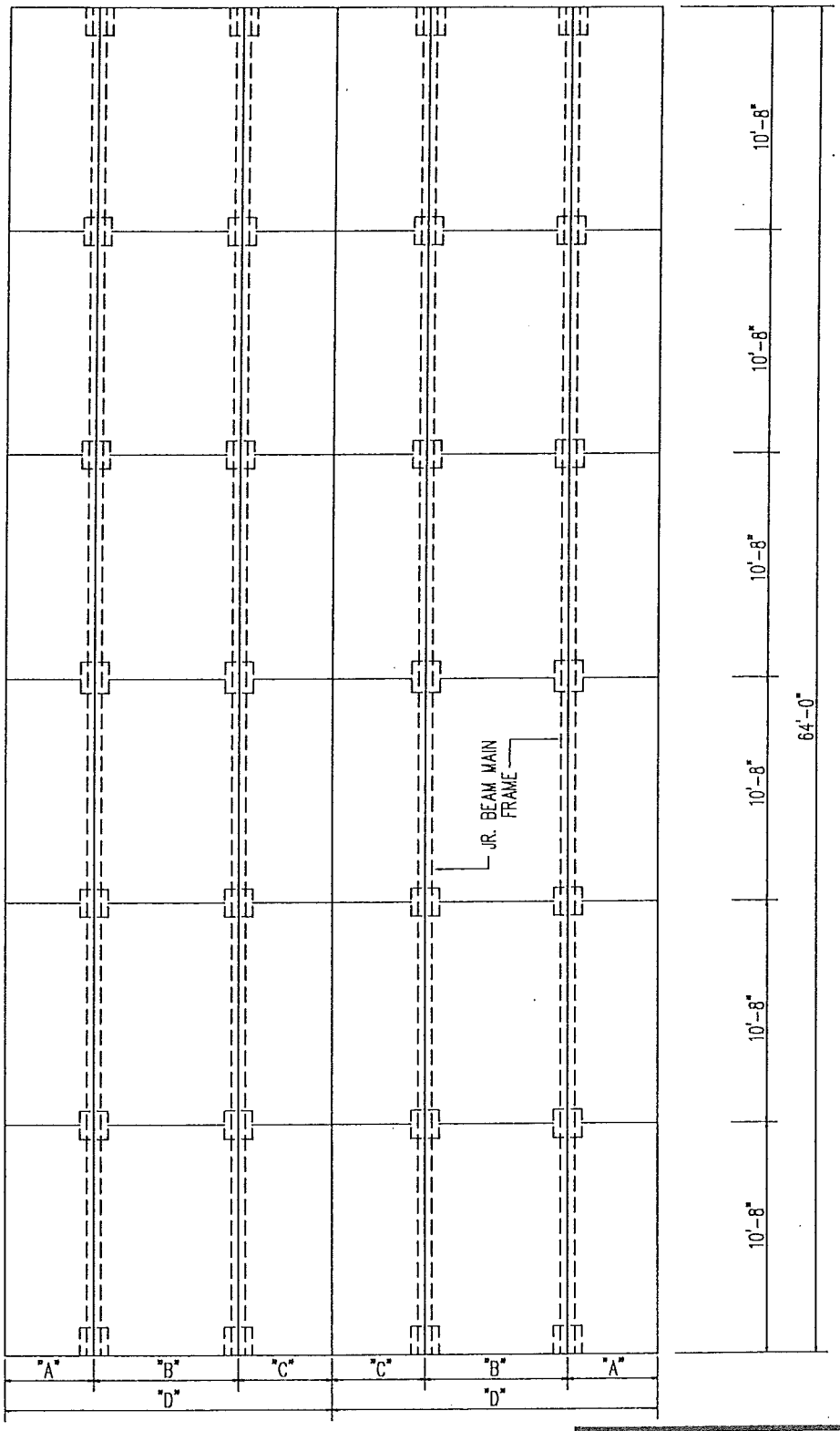
MODEL	"A"	"B"	"C"	"D"
24'x64'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x64'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x64'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/1/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING - 68'D.W.

FRONT



NOTE:
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REVISIONS	DATE

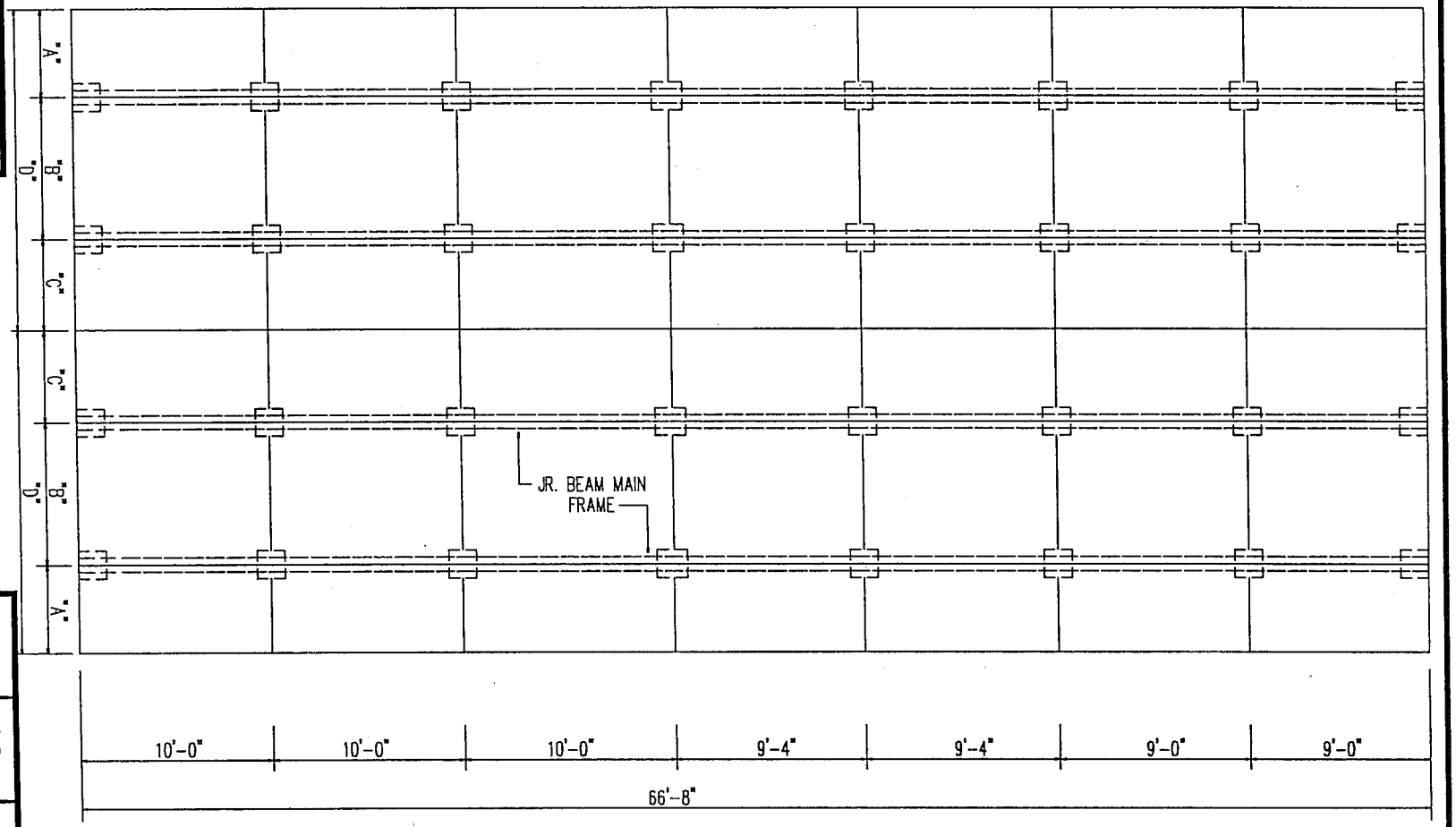
MODEL	"A"	"B"	"C"	"D"
24'x68'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x68'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x68'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/1/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

SUPPORT BLOCKING – 70'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x70'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x70'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x70'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/1/93

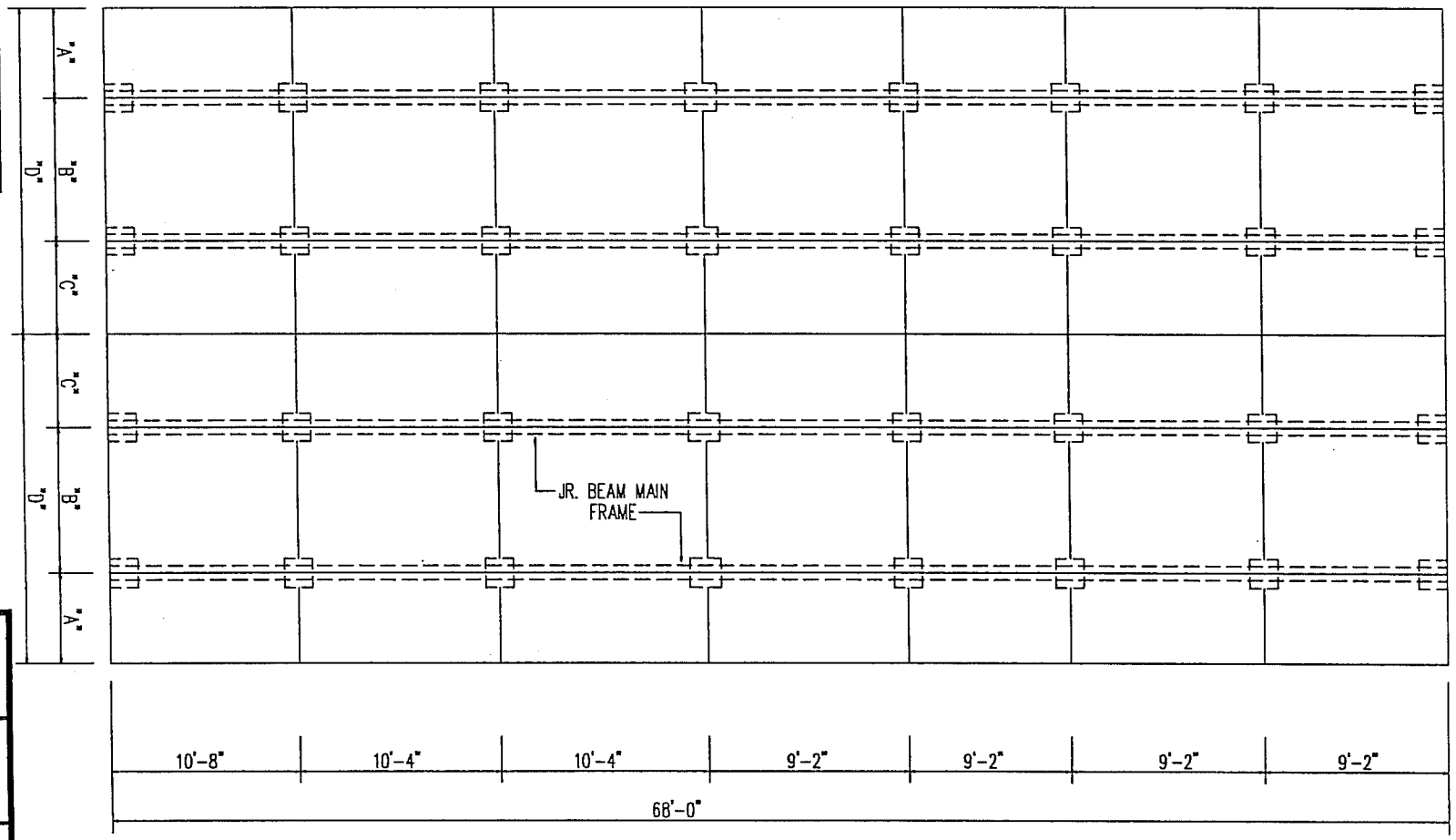
CHKD. BY:

SCALE: NOT TO SCALE

-

SUPPORT BLOCKING – 72'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x72'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x72'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x72'.	35 3/4"	82 1/2"	45 3/4"	13'-8"

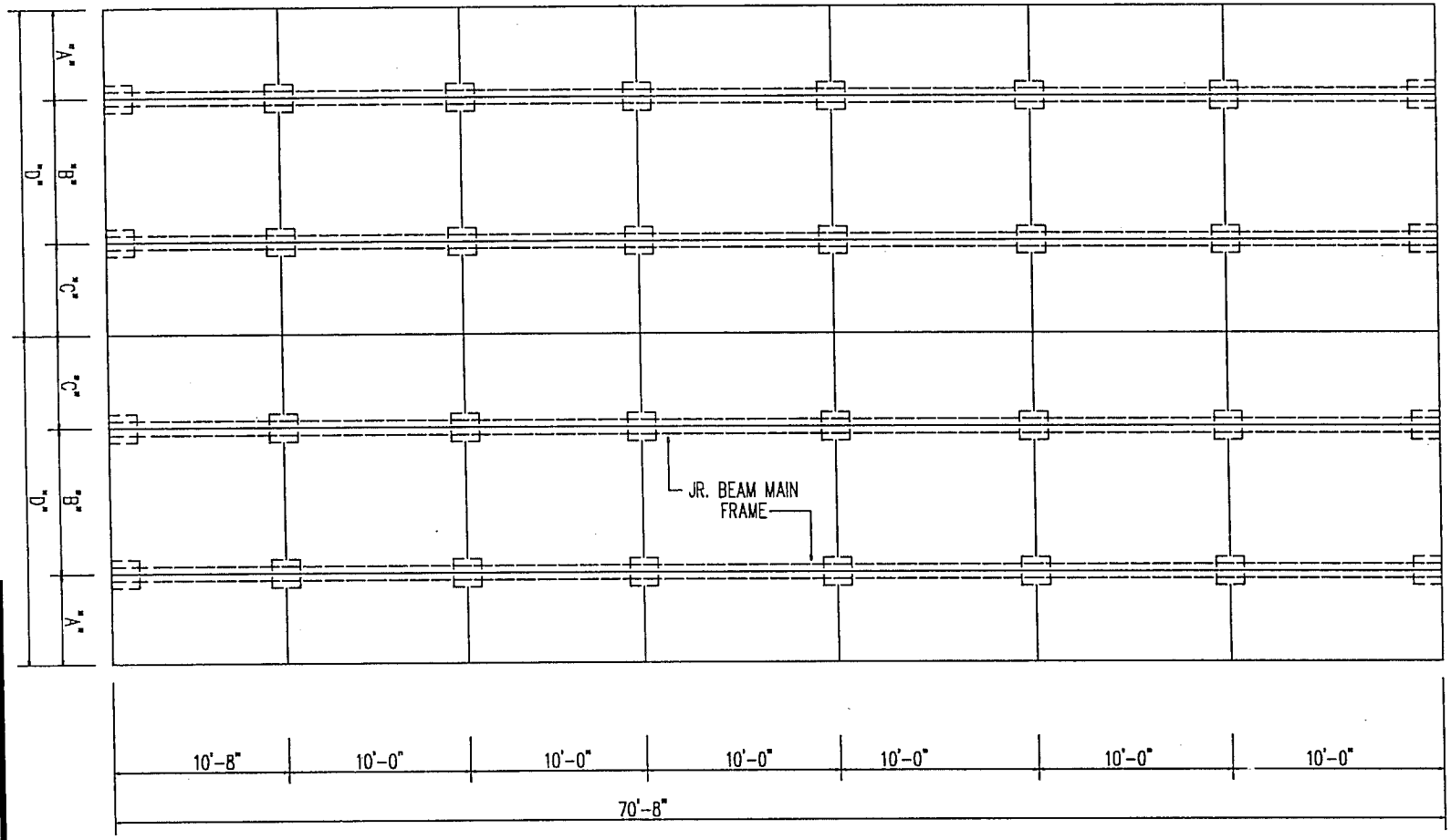
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING – 74'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x74'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x74'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x74'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

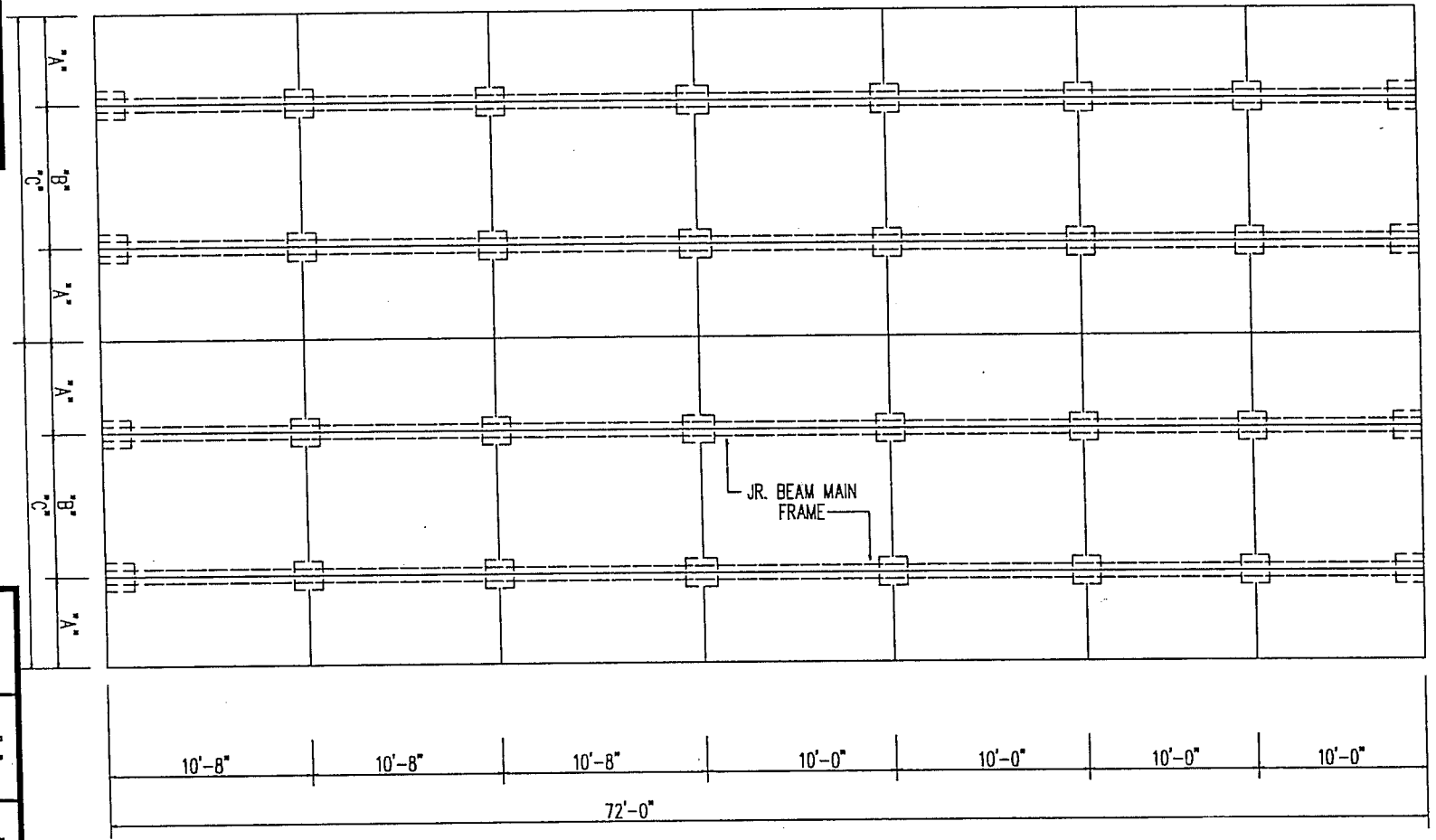
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

SUPPORT BLOCKING – 76'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x76'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x76'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x76'	35 3/4"	82 1/2"	45 3/4"	13'-8"

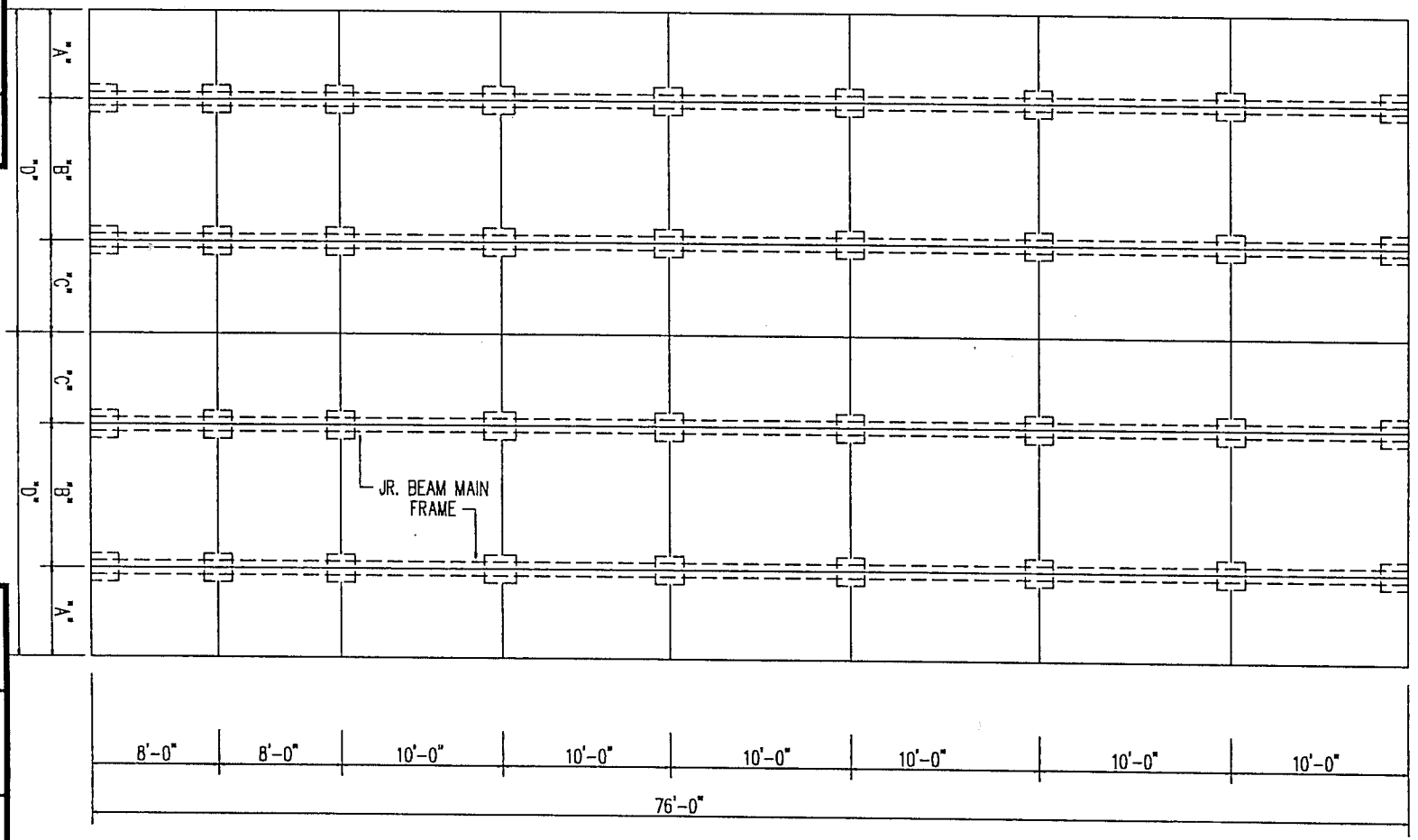
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

SUPPORT BLOCKING – 80'D.W.



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x80'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x80'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x80'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

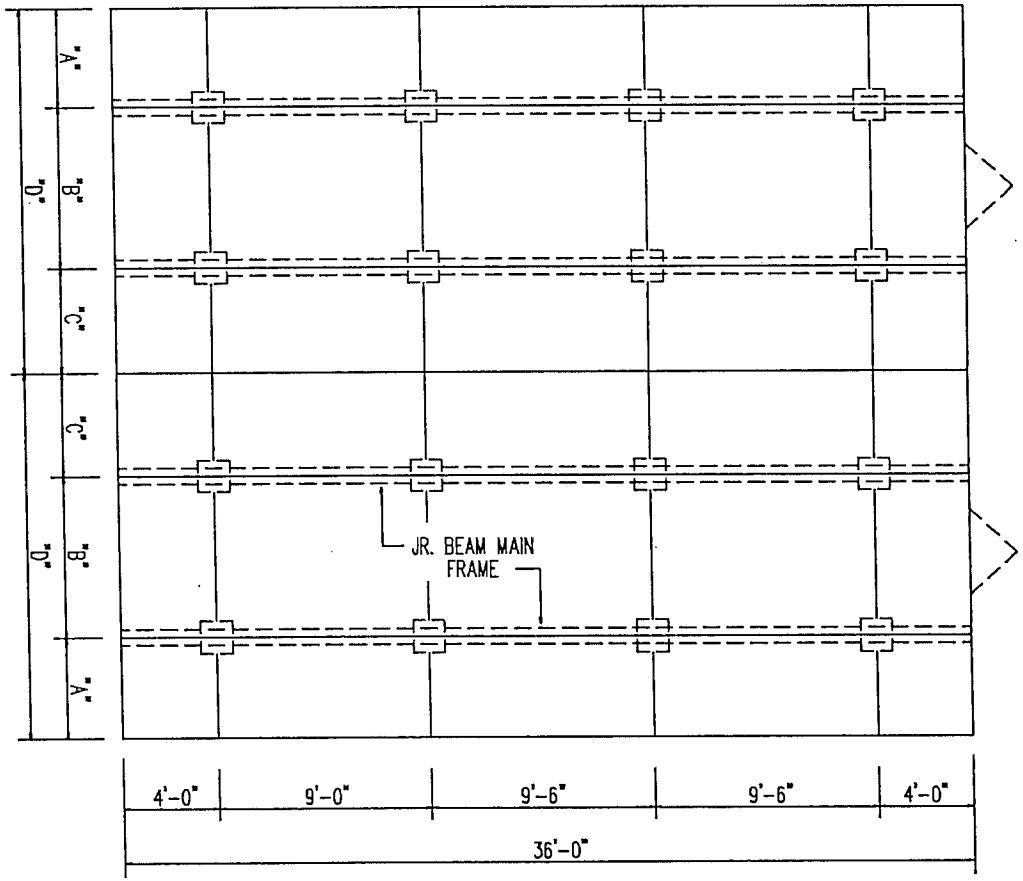
SECTION IV

ALTERNATE SUPPORT BLOCKING

Double Section Homes

ALTERNATE SUPPORT BLOCKING – 40'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x40'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x40'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x40'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

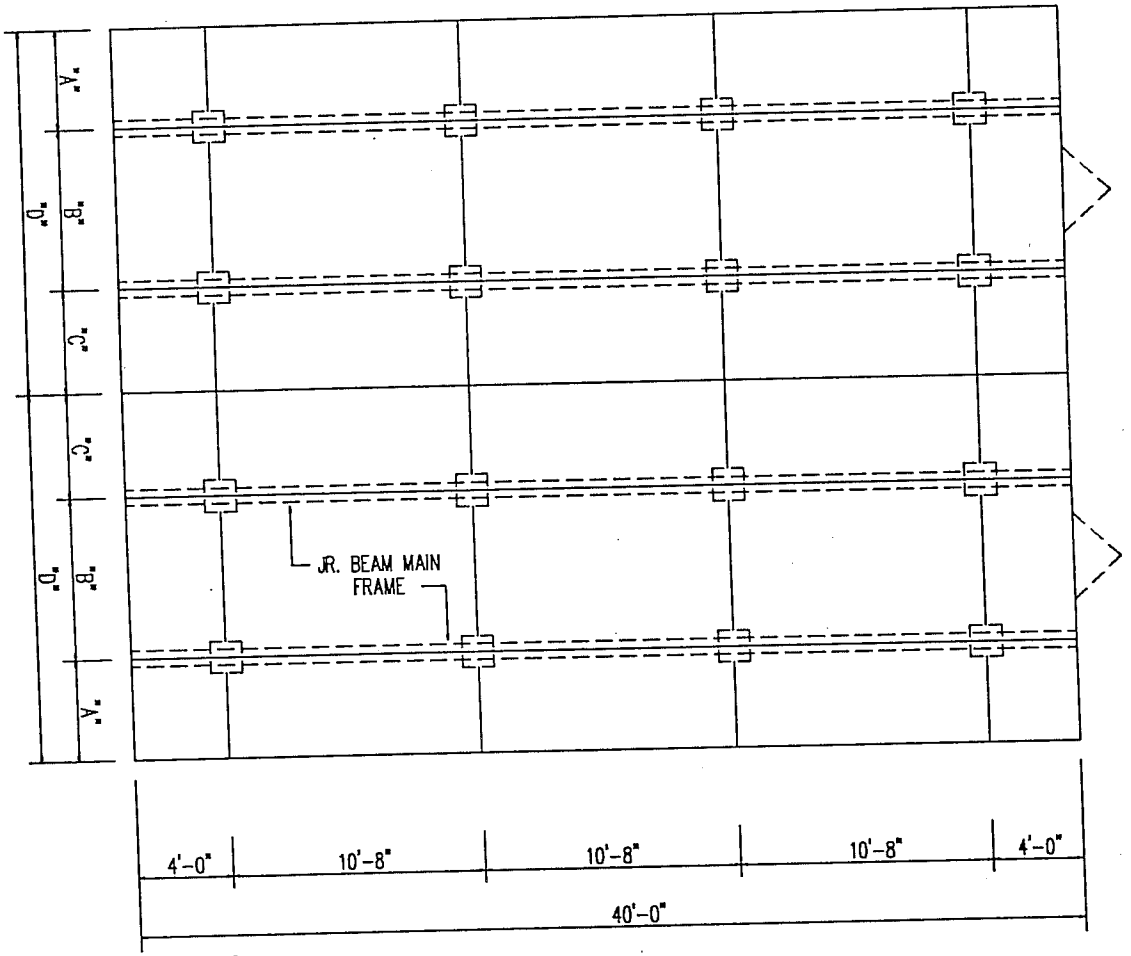
DRWG. BY: DJ 1/29/93

CHKD. BY:

SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 44'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x44'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x44'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x44'	35 3/4"	82 1/2"	45 3/4"	13'-8"

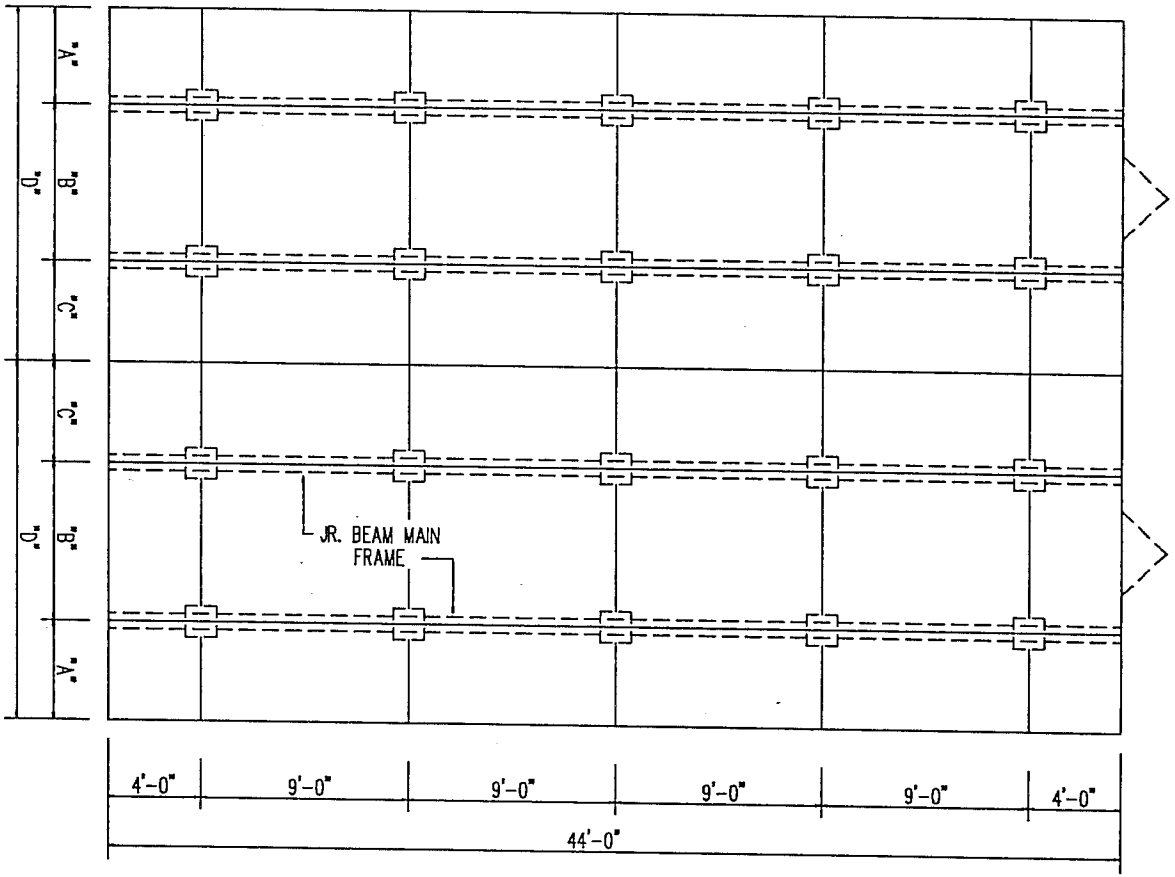
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 1/29/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 48'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x48'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x48'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x48'	35 3/4"	82 1/2"	45 3/4"	13'-8"

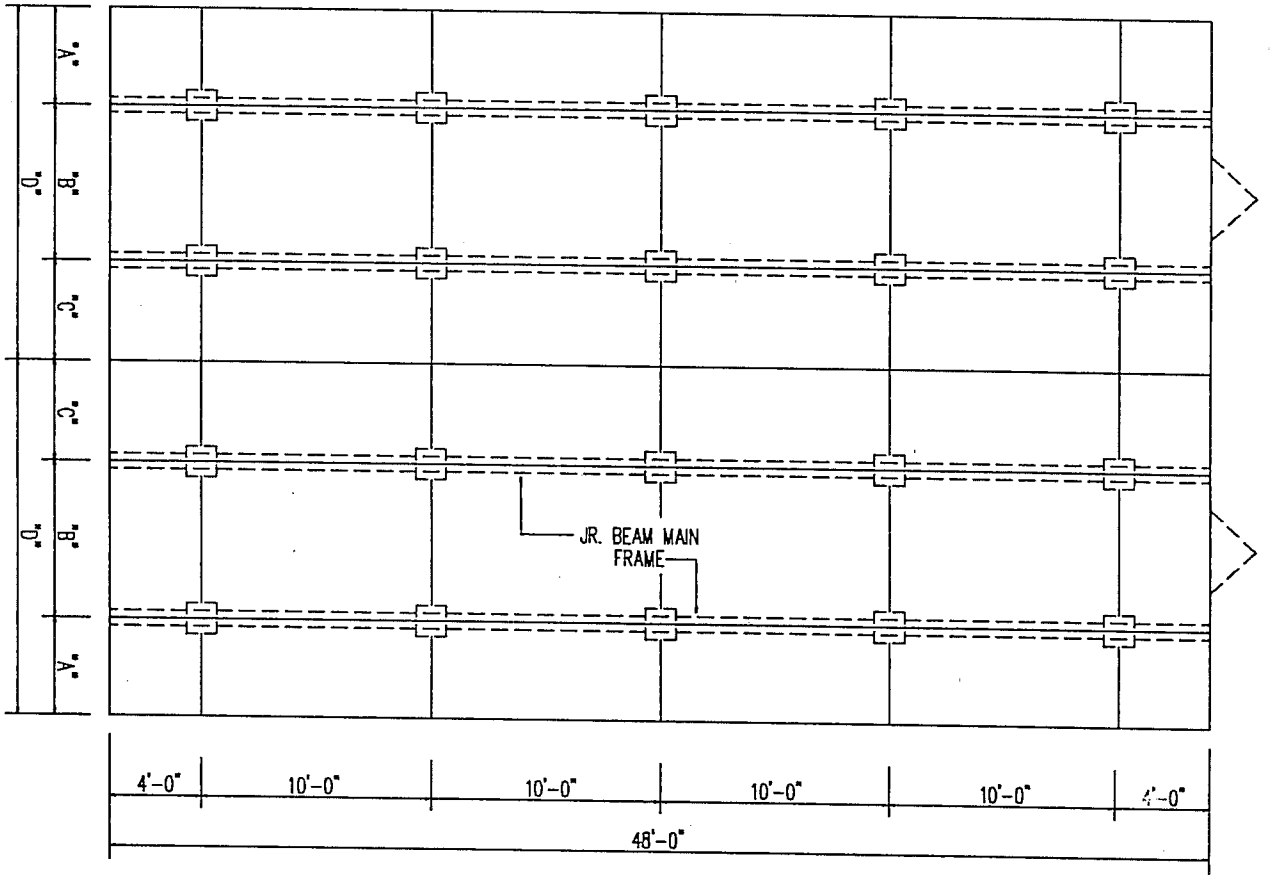
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 1/29/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 52'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x52'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x52'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x52'	35 3/4"	82 1/2"	45 3/4"	13'-8"

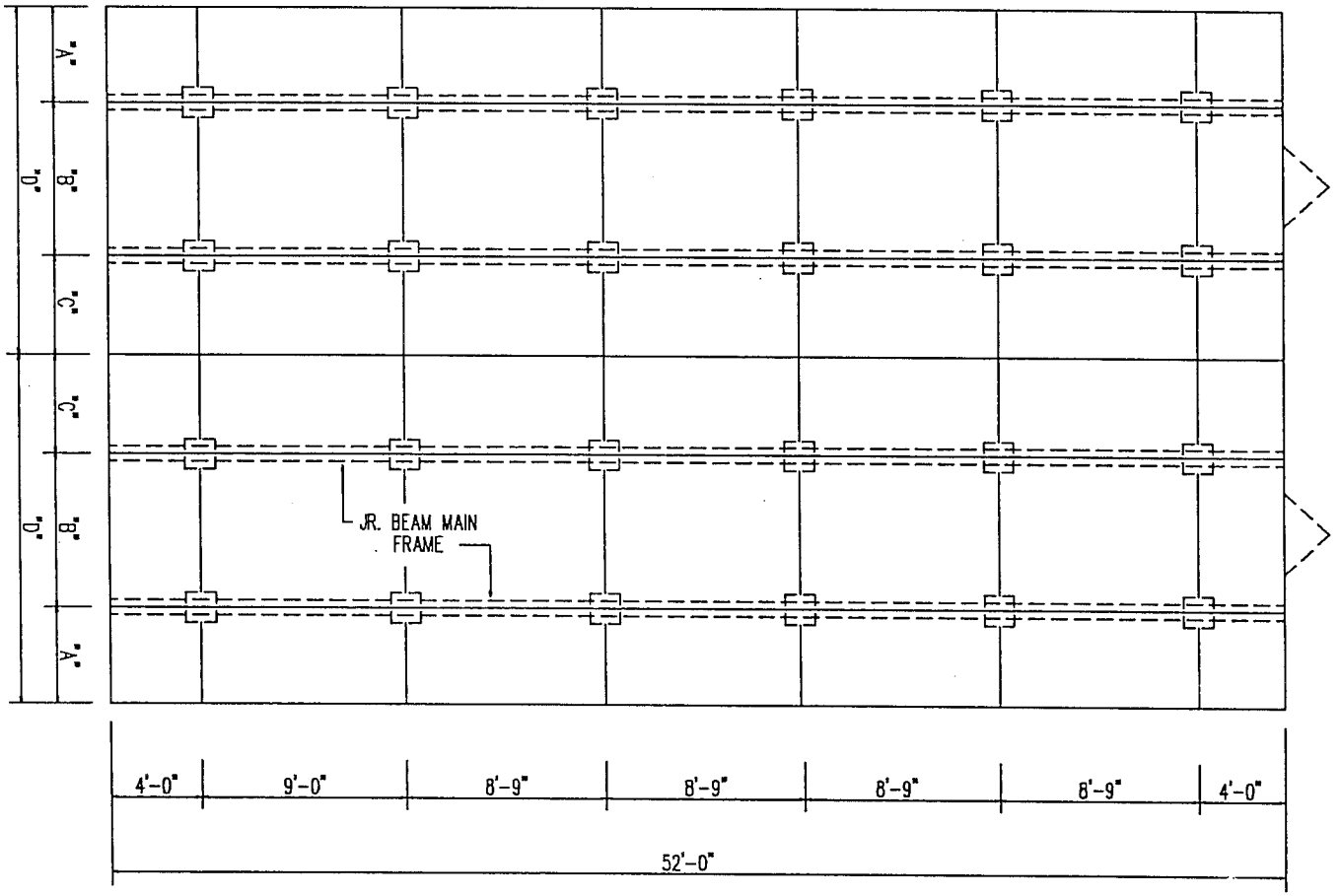
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 12/17/92
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 56'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x56'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x56'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x56'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

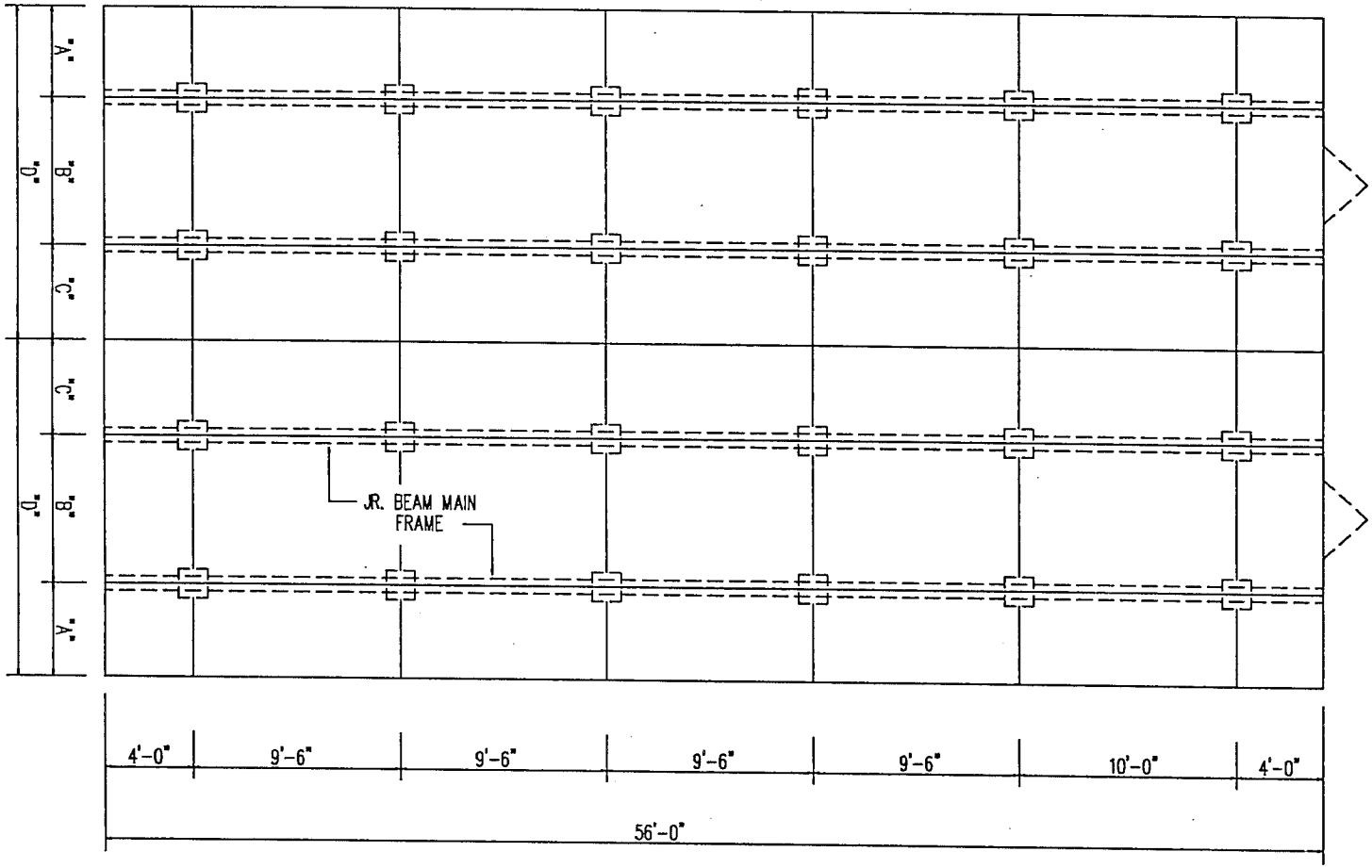
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 60'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x60'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x60'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x60'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

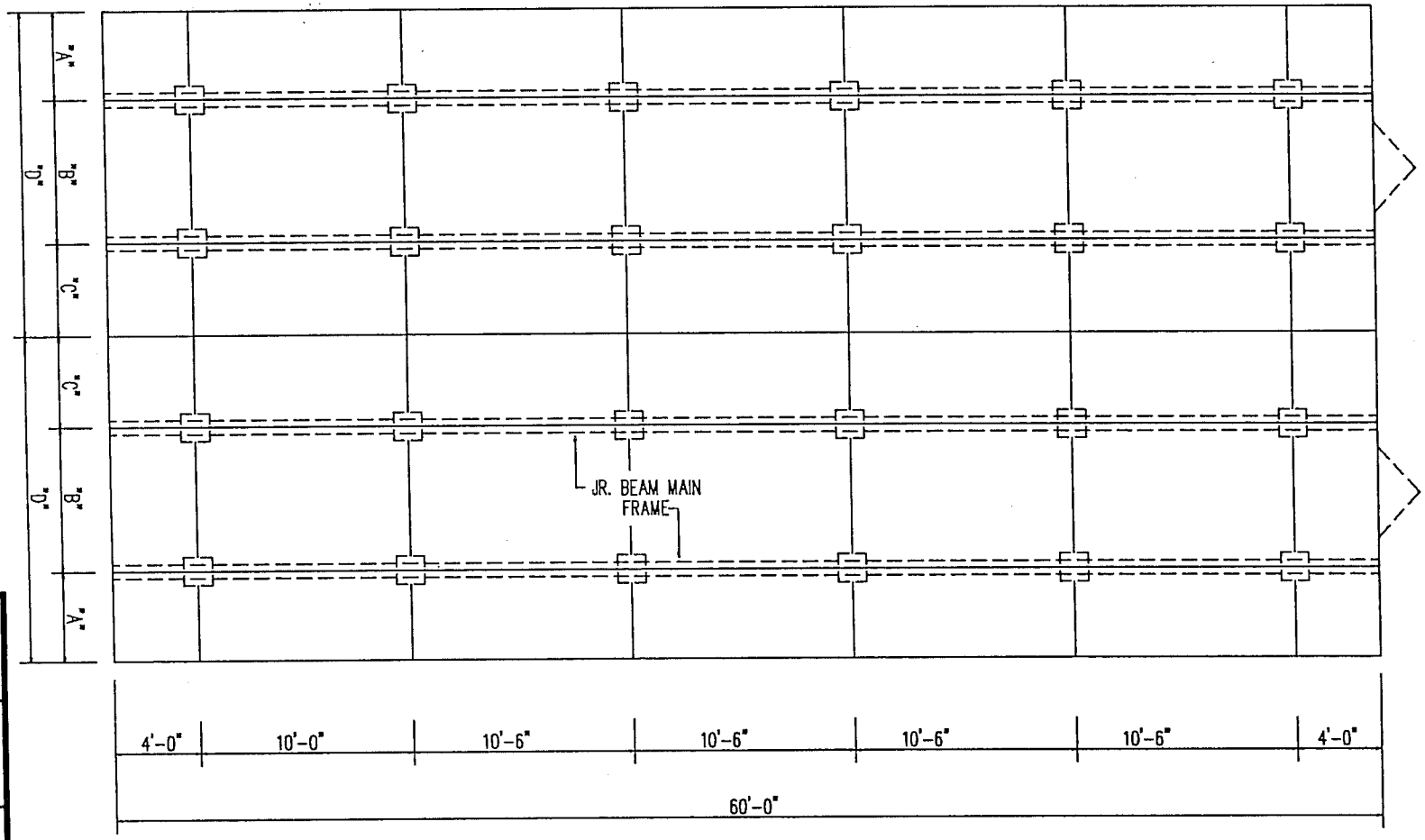
DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 64'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x64'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x64'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x64'	35 3/4"	82 1/2"	45 3/4"	13'-8"

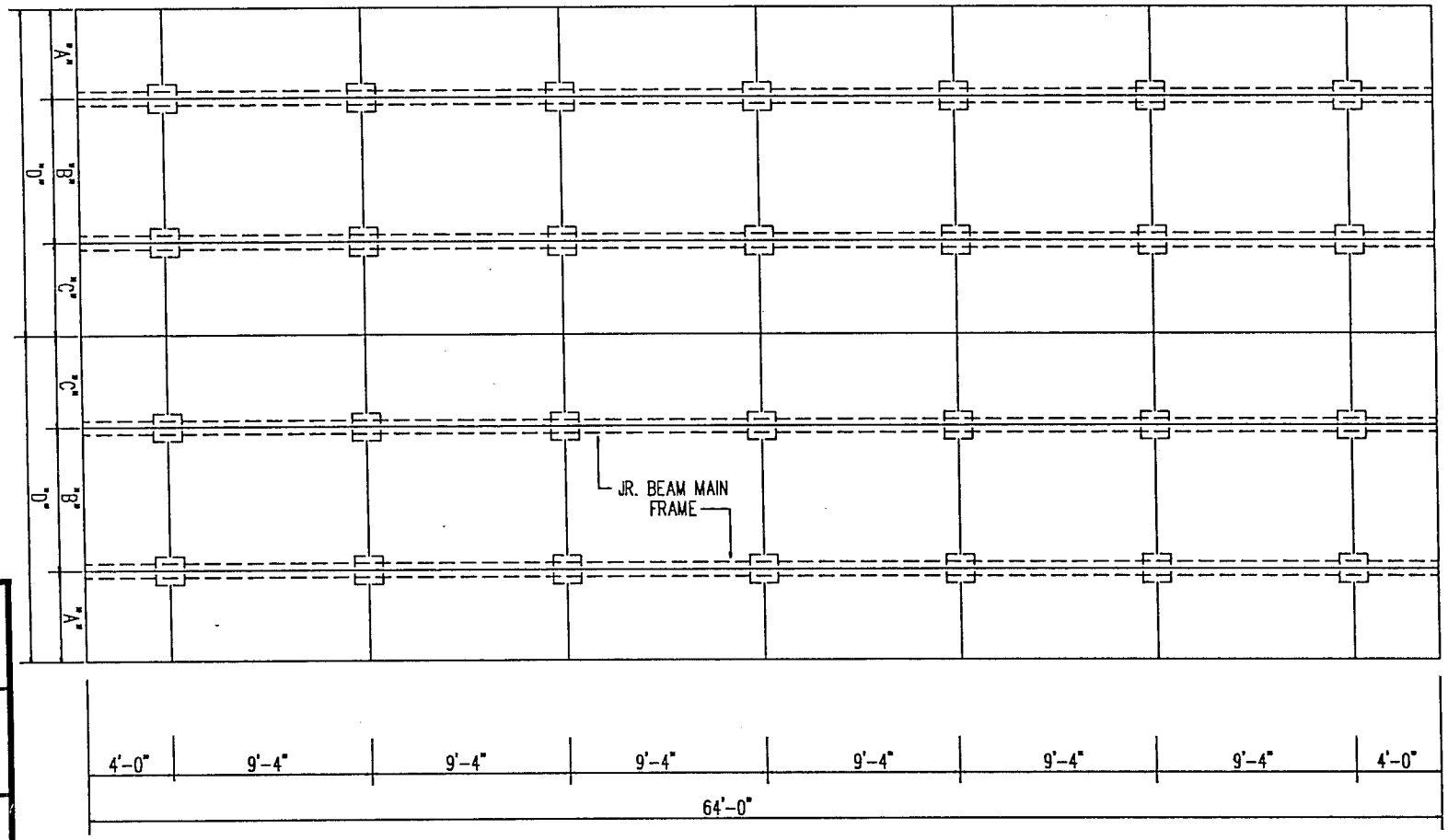
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 68'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x68'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x68'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x68'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

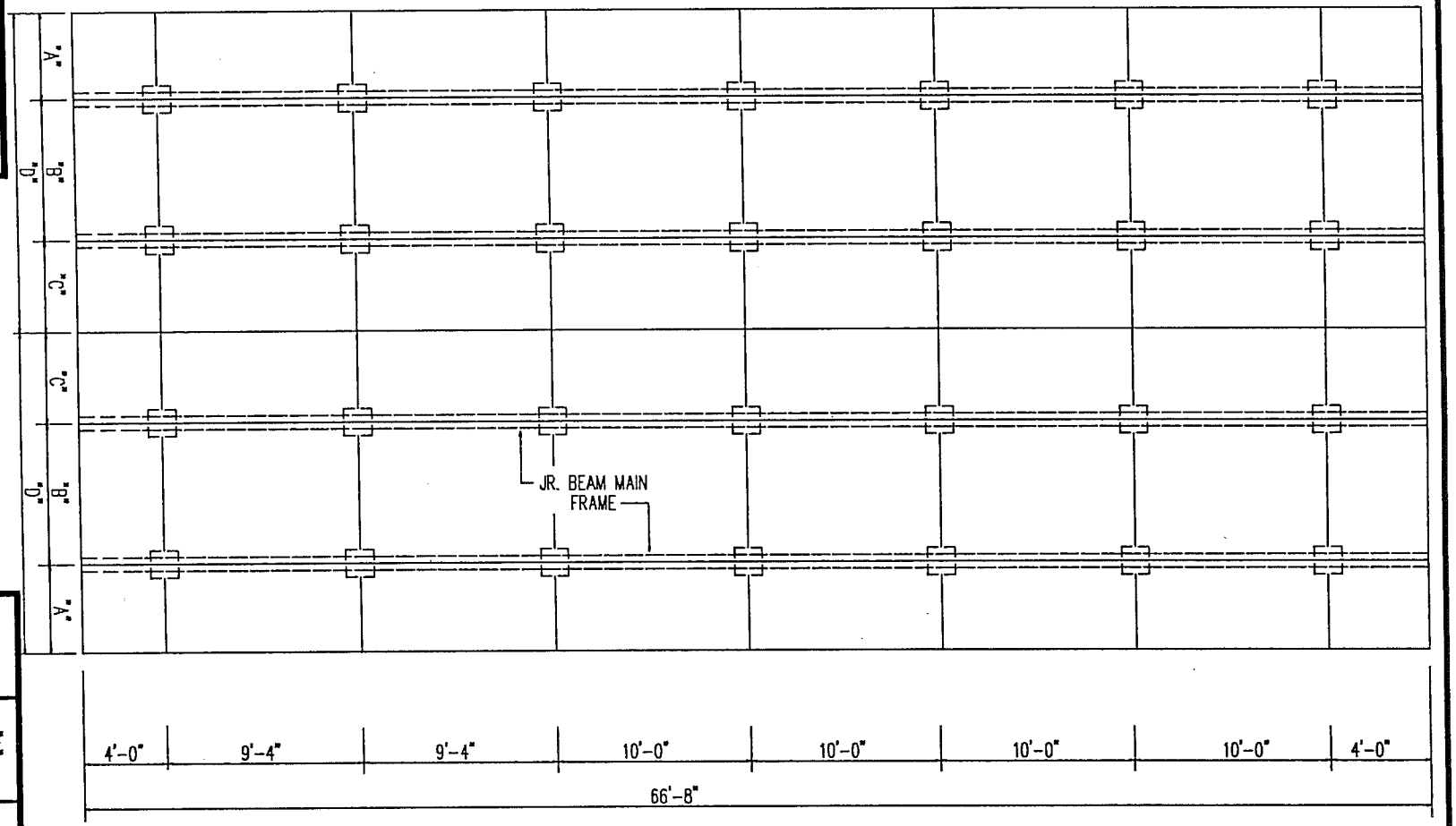
DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 70'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x70'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x70'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x70'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

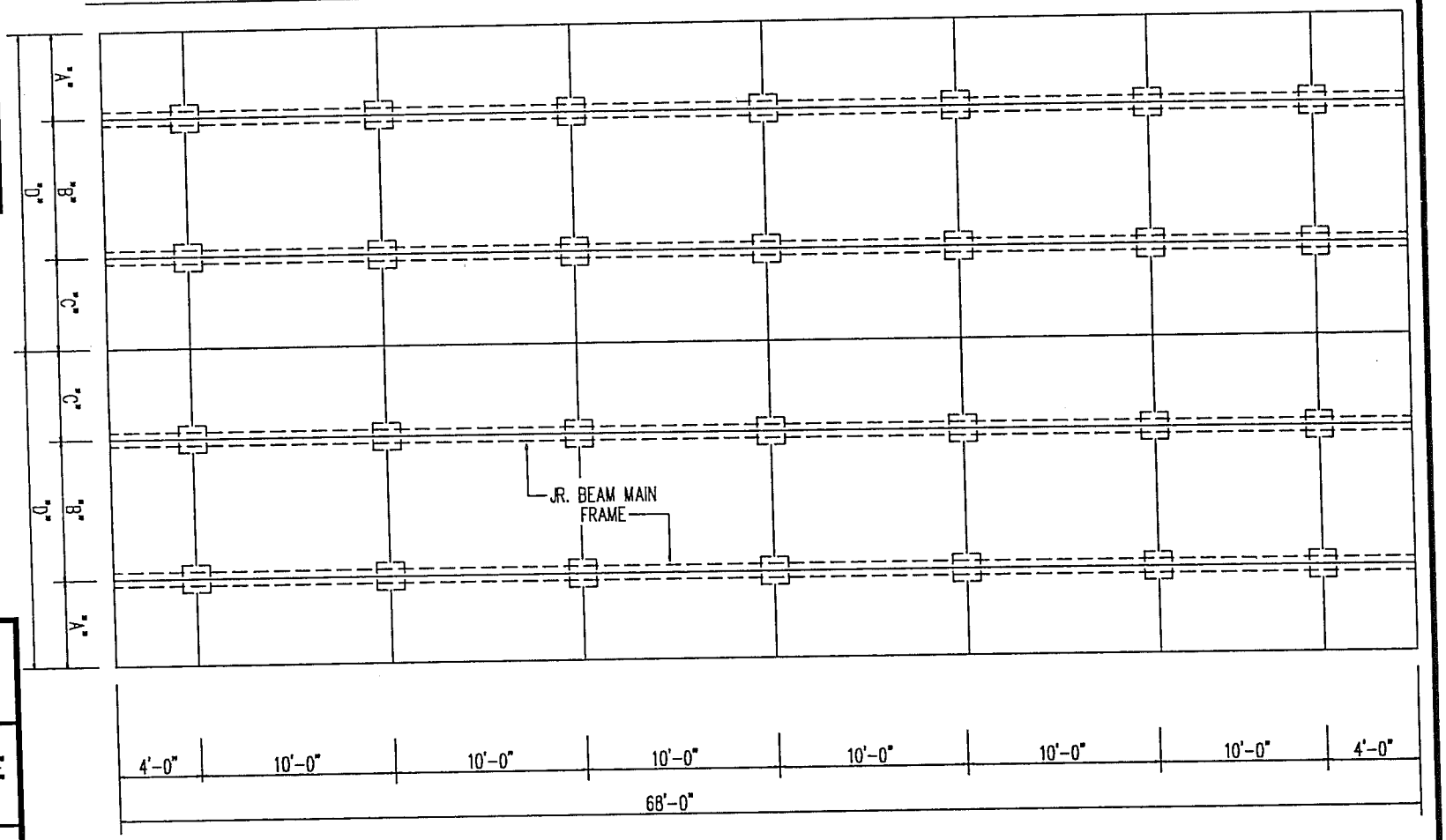
REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

ALTERNATE SUPPORT BLOCKING – 72'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x72'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x72'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x72'	35 3/4"	82 1/2"	45 3/4"	13'-8"

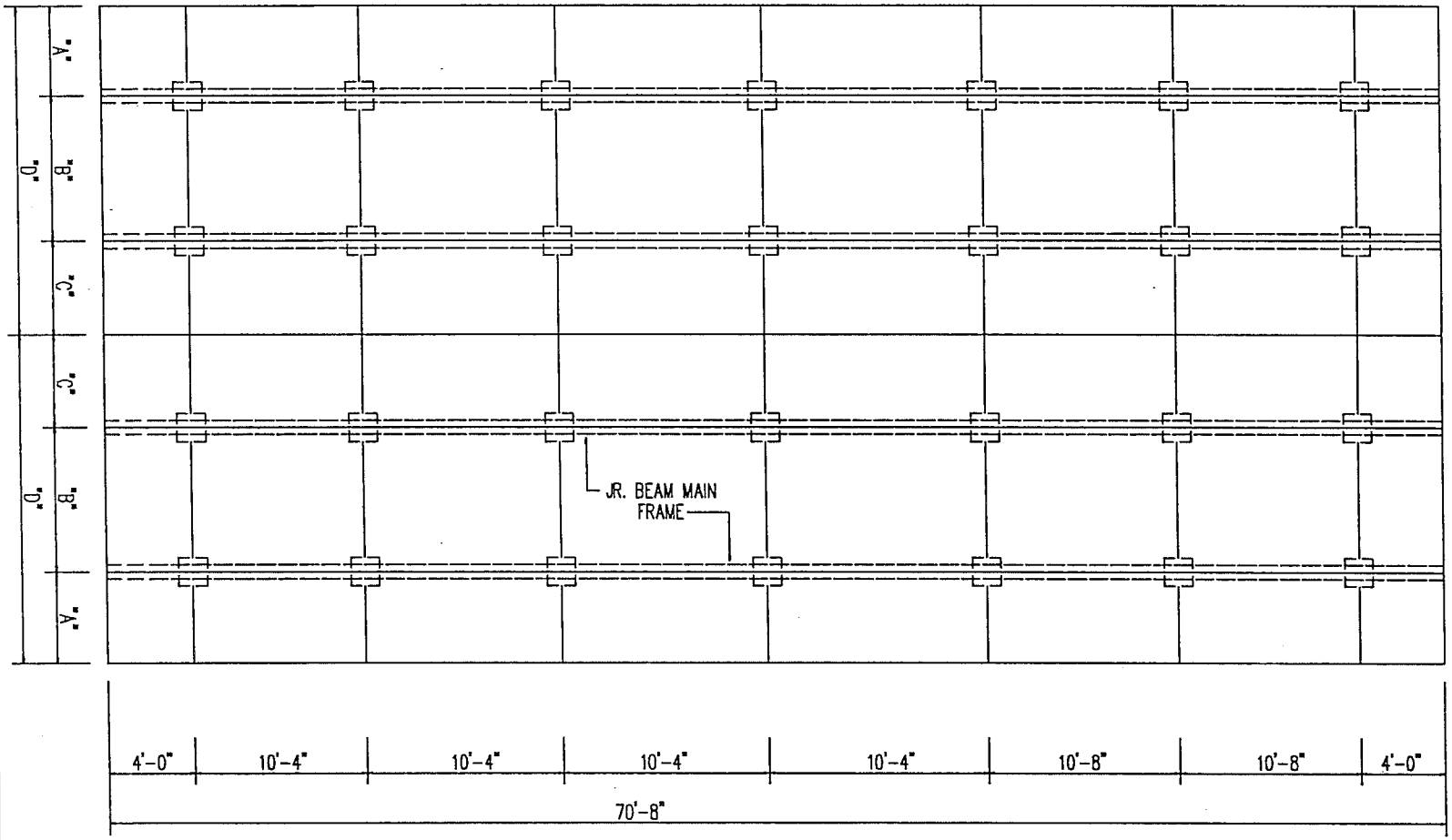
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 74'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x74'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x74'	33 3/4"	82 1/2"	43 3/4"	13'-4"
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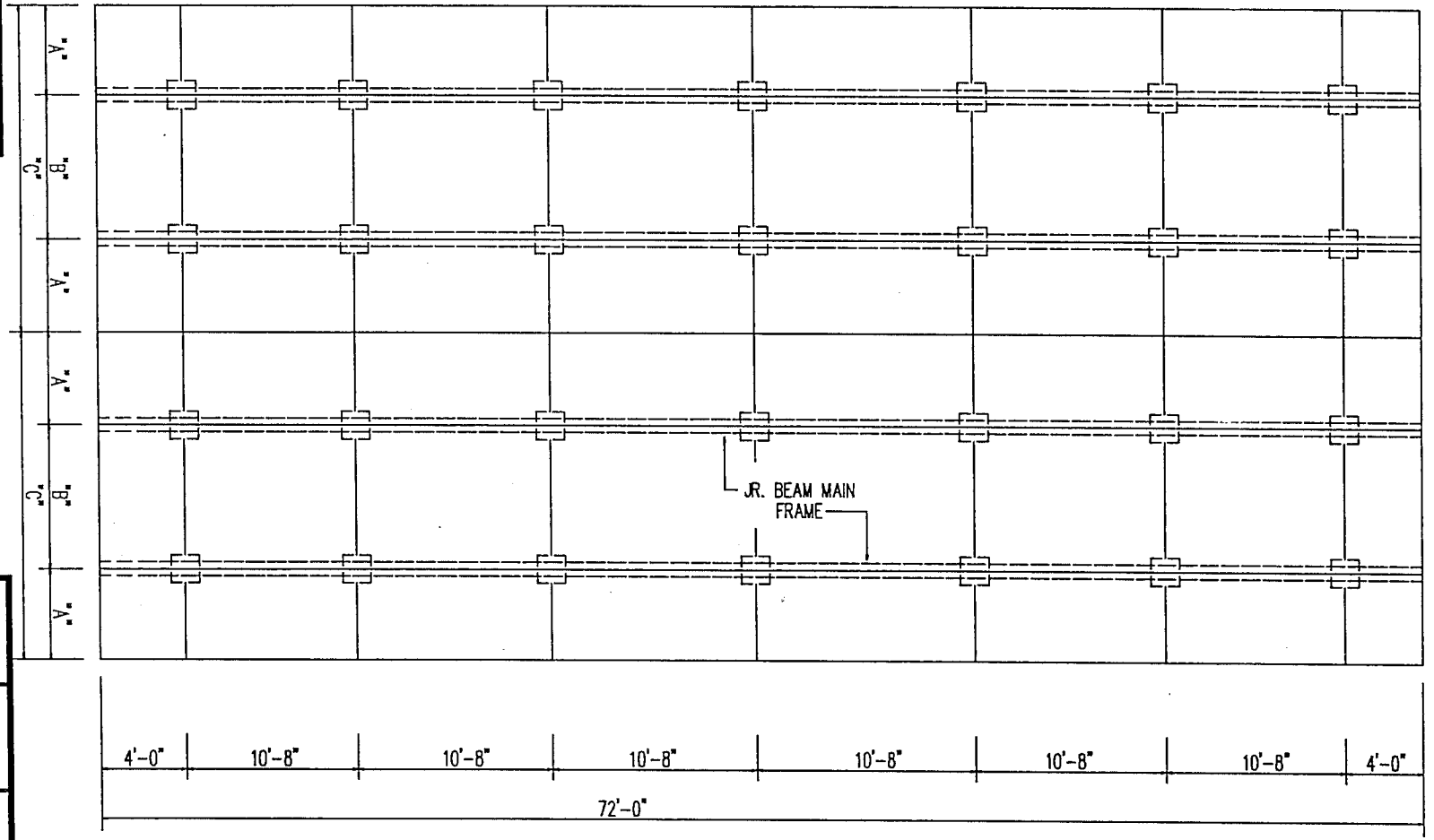
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 76'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x76'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x76'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x76'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

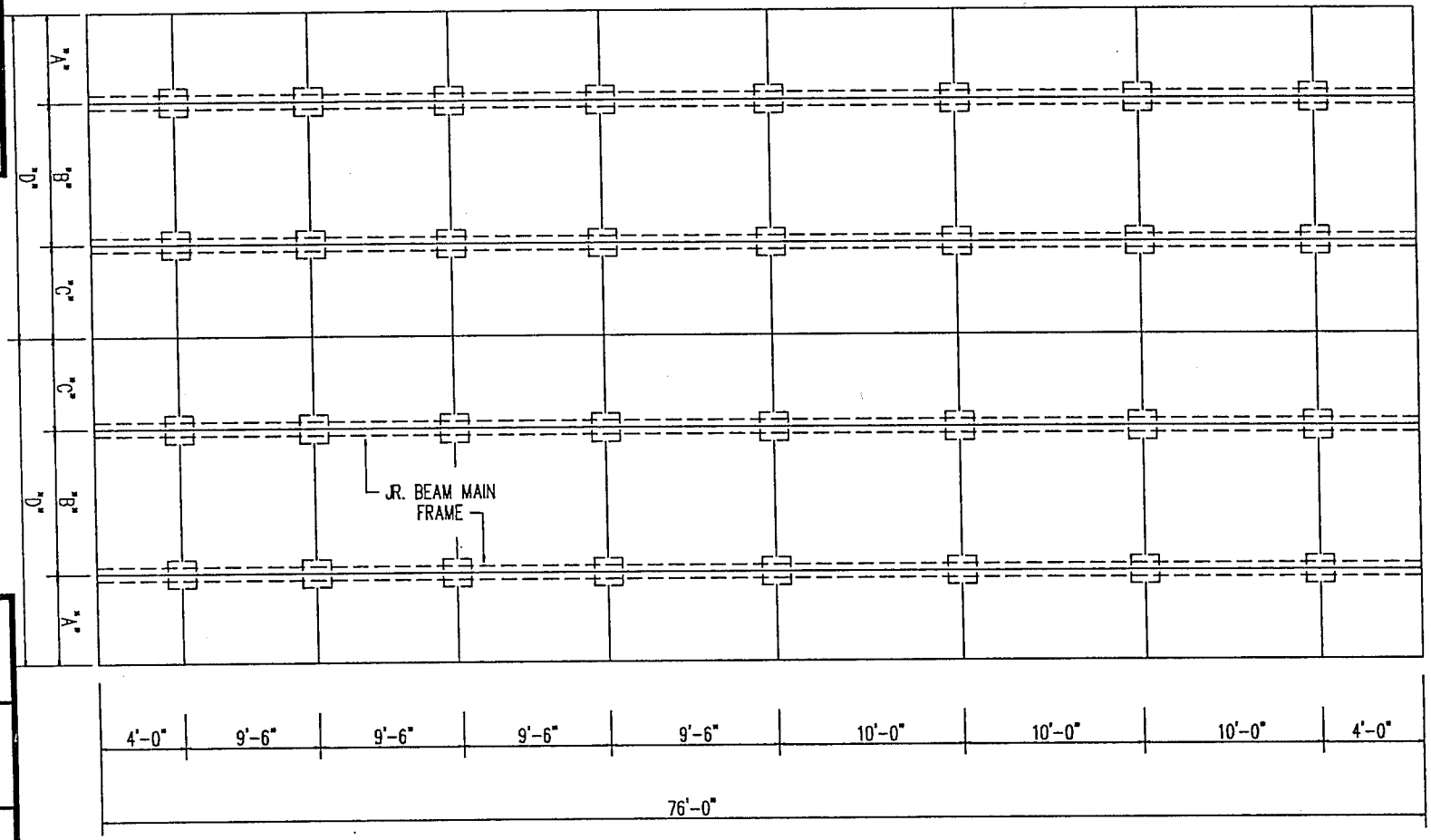
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE SUPPORT BLOCKING – 80'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x80'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x80'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x80'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

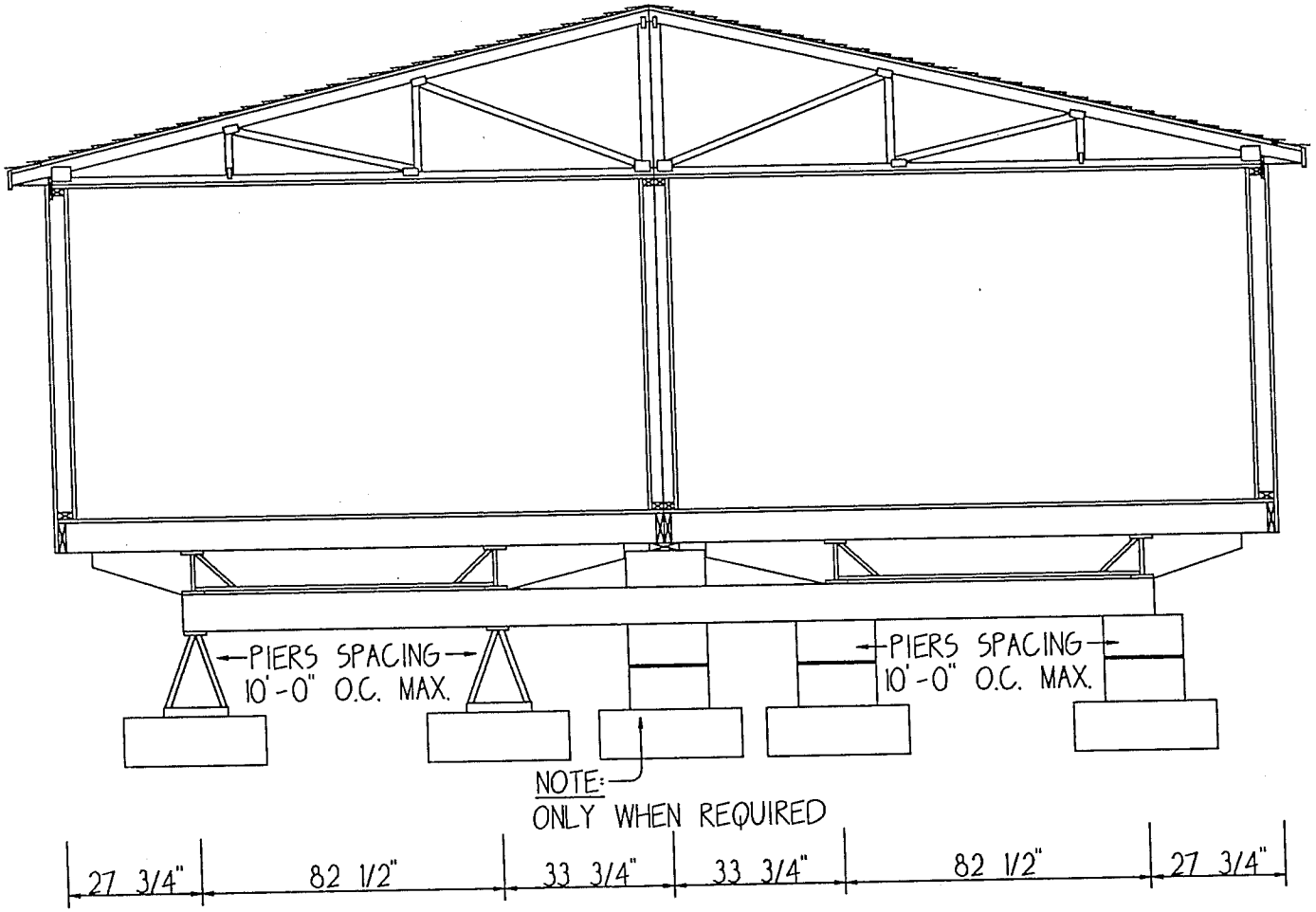
-

SECTION V

SUPPORT BLOCKING
W/ CROSSBEAM CONSTRUCTION

Double Section Homes

CROSSBEAM CONSTRUCTION



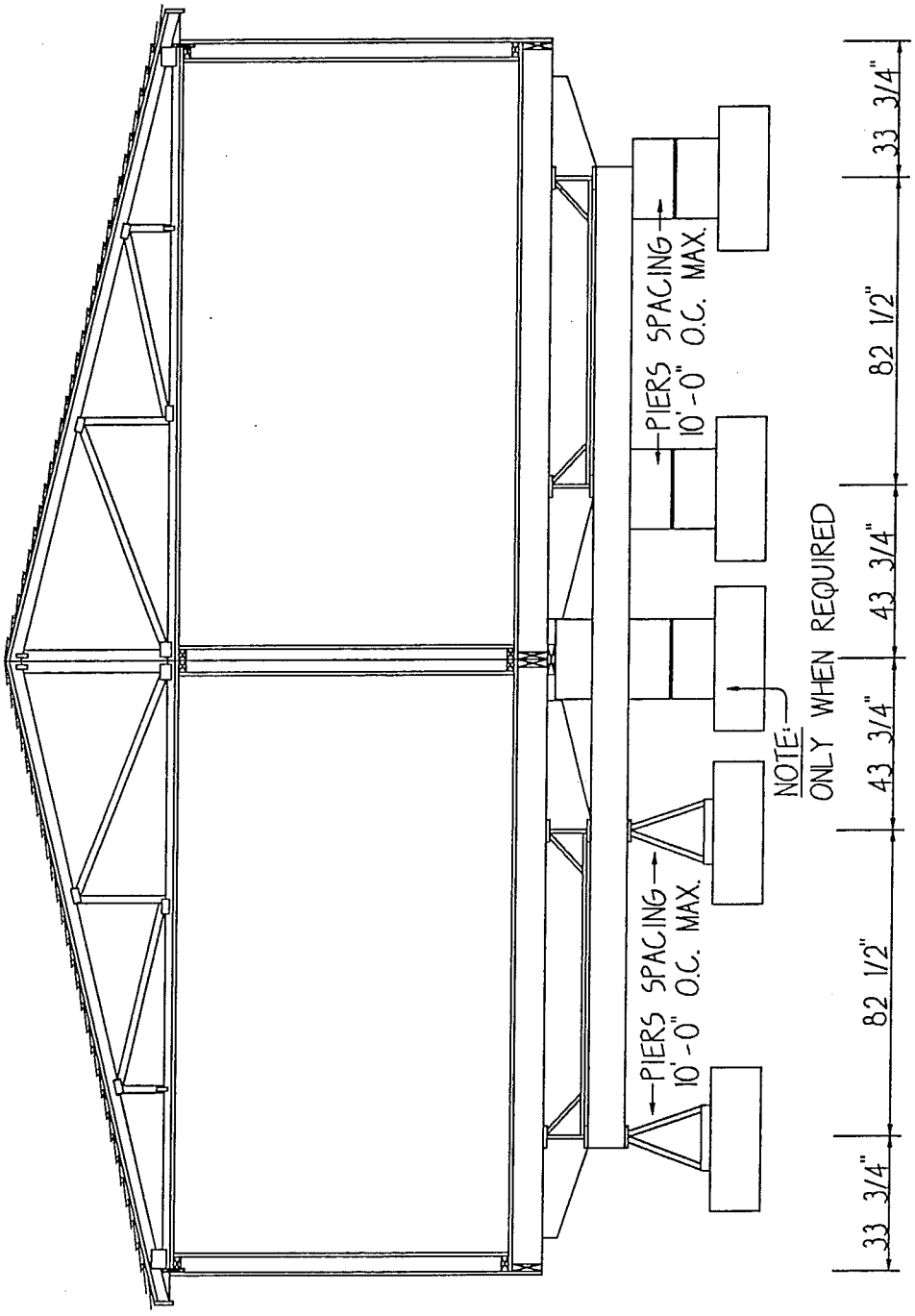
26' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 24'-0"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/1/93

CROSSBEAM CONSTRUCTION



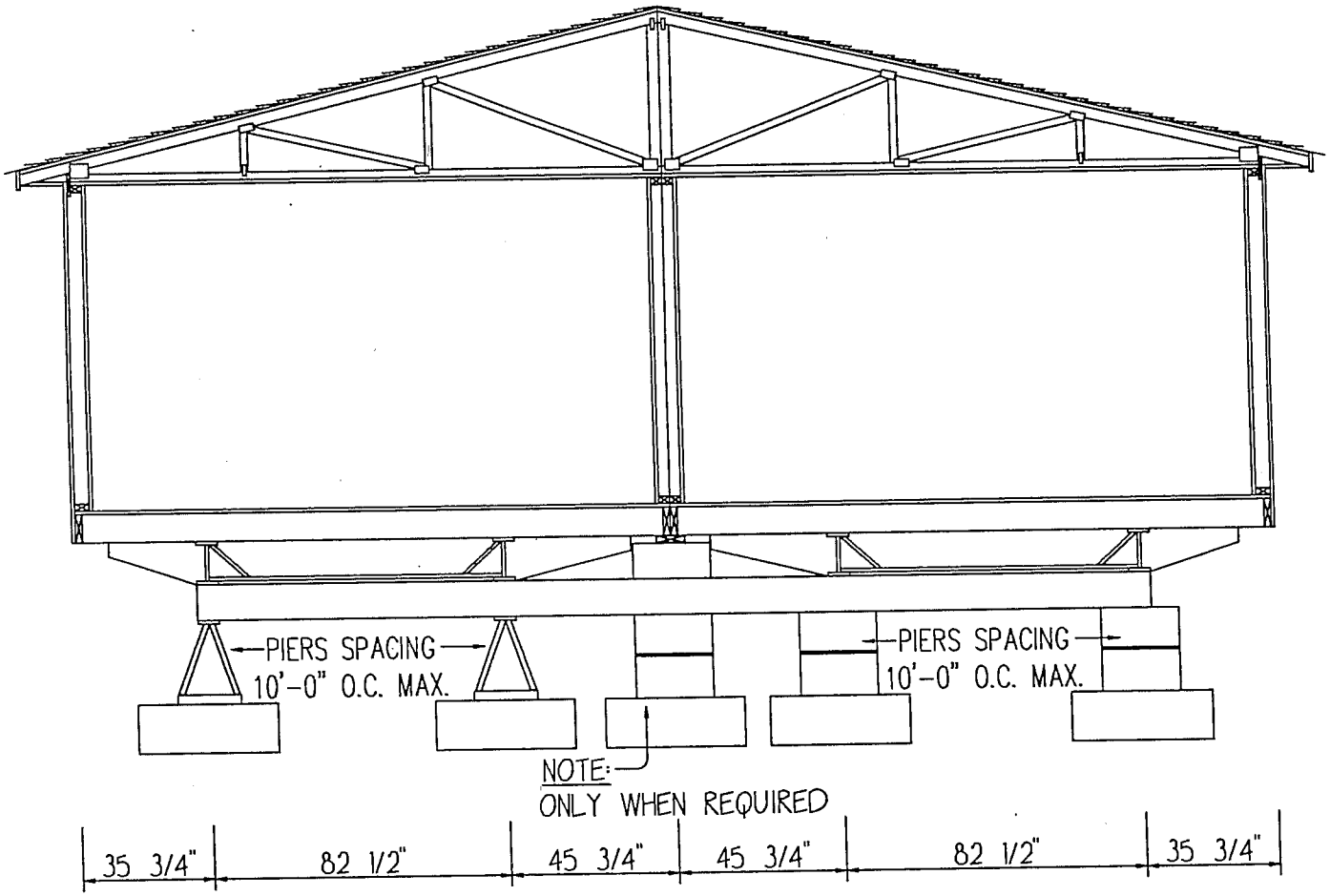
28' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 26'-8"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NONE

CROSSBEAM CONSTRUCTION



30' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 27'-4"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS | DATE

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/1/93

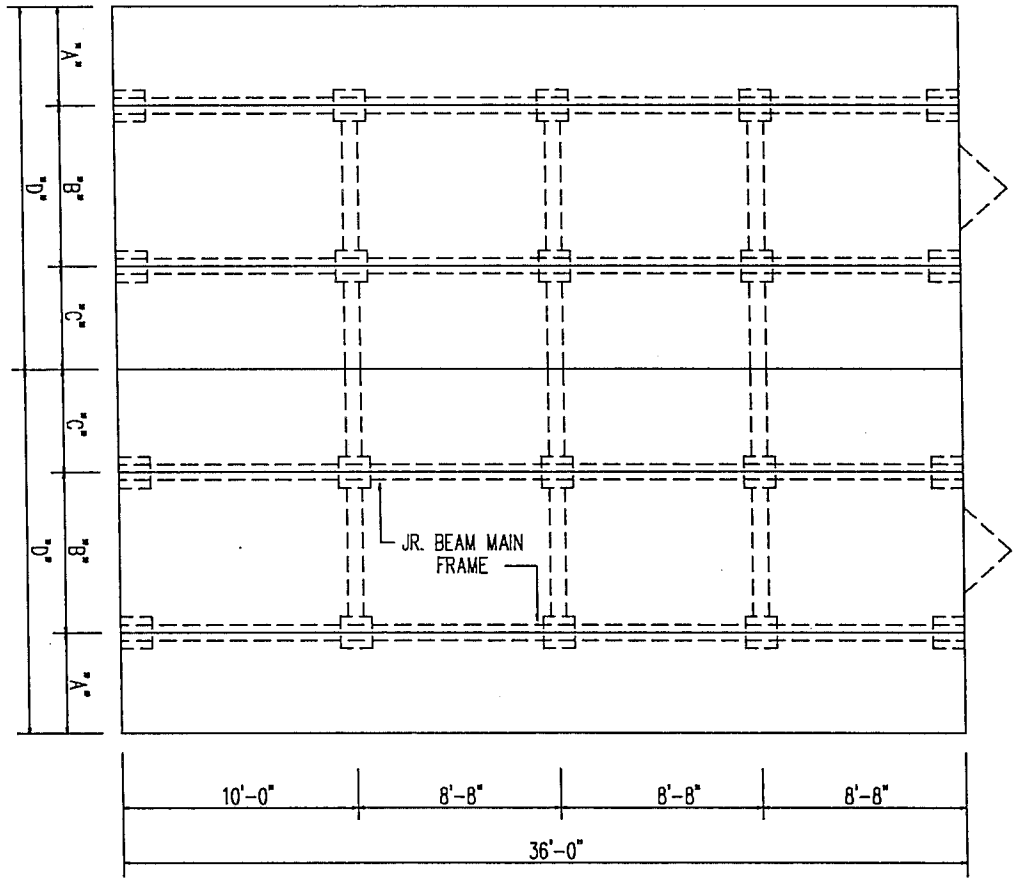
SECTION VI

SUPPORT BLOCKING W/ CROSSBEAM

Double Section Homes

CROSSBEAM SUPPORT – 40'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x40'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x40'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x40'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

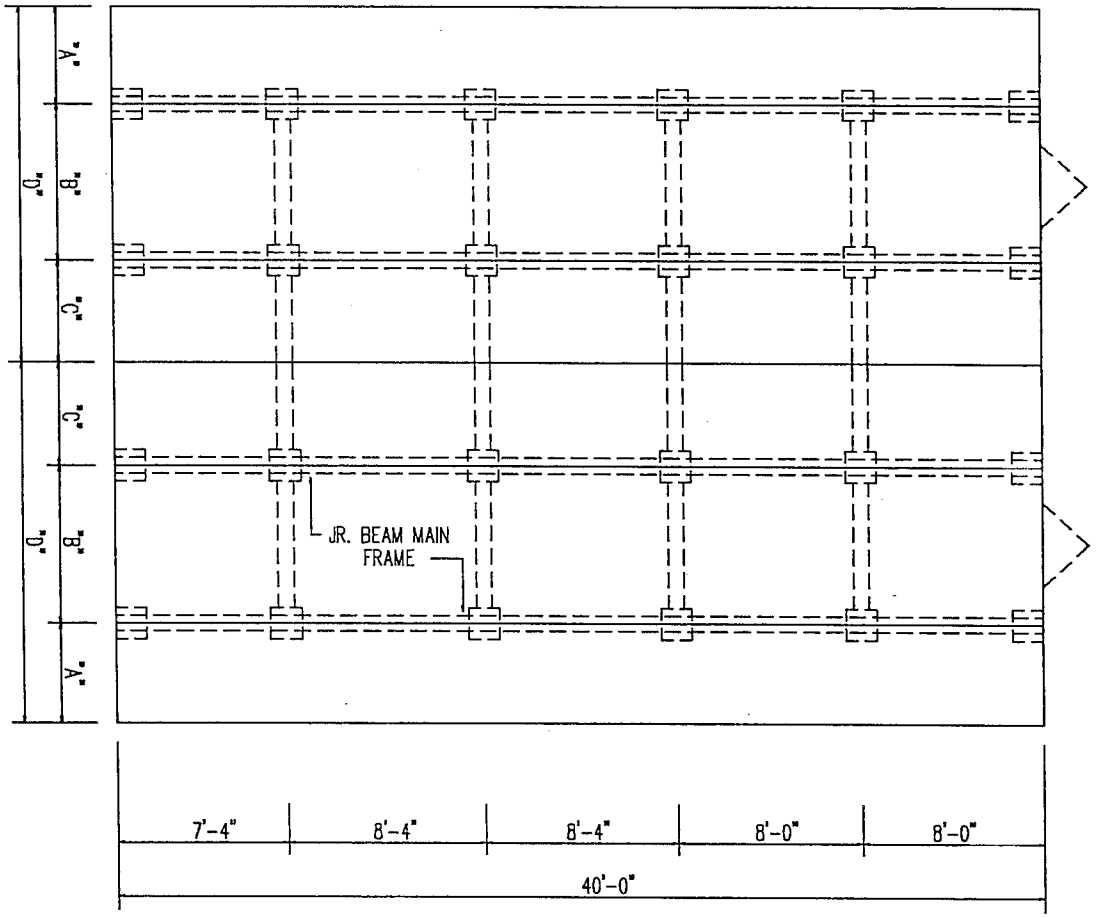
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 44'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x44'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x44'.	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x44'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

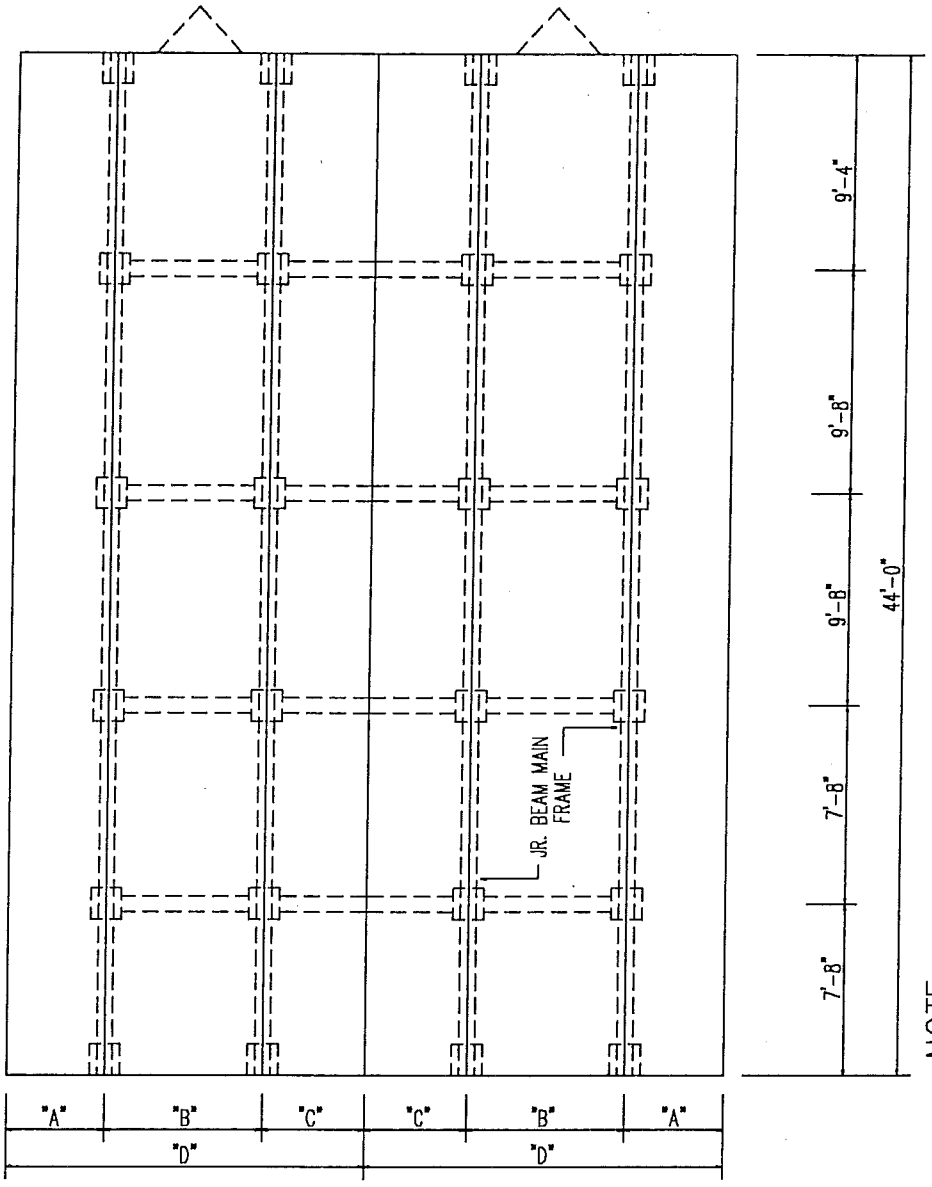
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 48'D.W.

FRONT



NOTE:
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REVISIONS	DATE

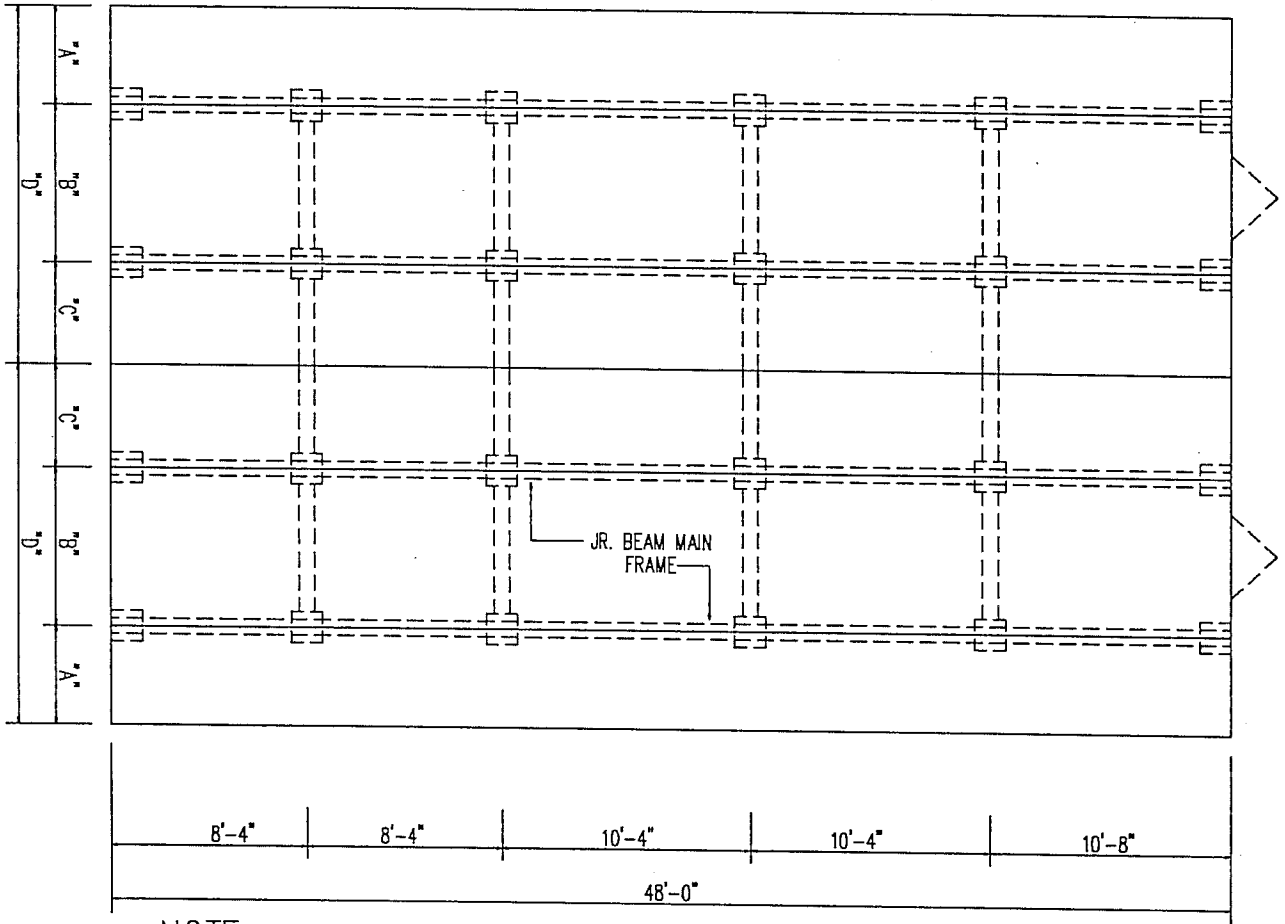
MODEL	"A"	"B"	"C"	"D"
24'x48'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x48'.	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x48'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/1/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

CROSSBEAM SUPPORT – 52'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x52'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x52'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x52'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

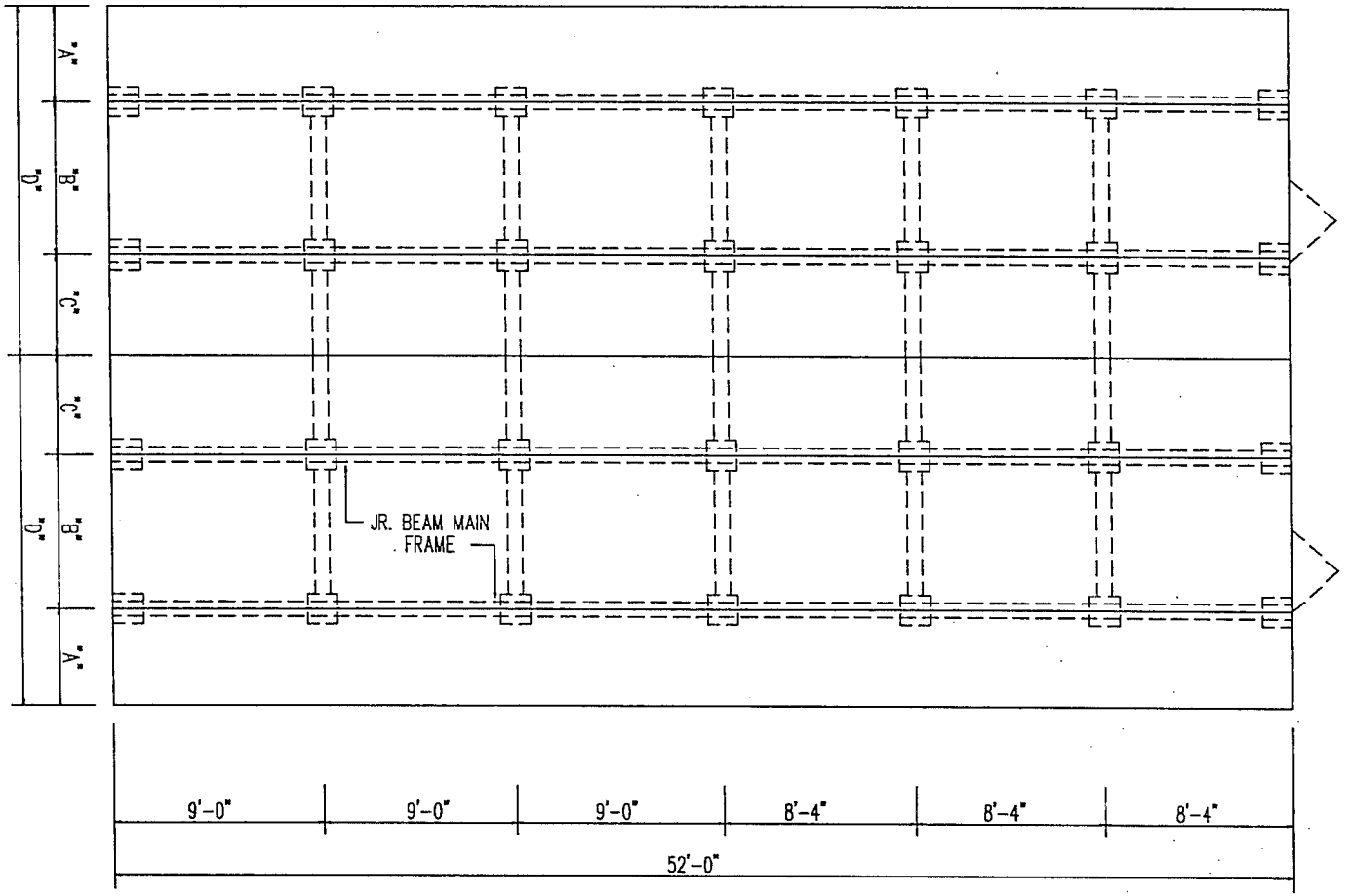
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 56'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x56'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x56'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x56'	35 3/4"	82 1/2"	45 3/4"	13'-8"

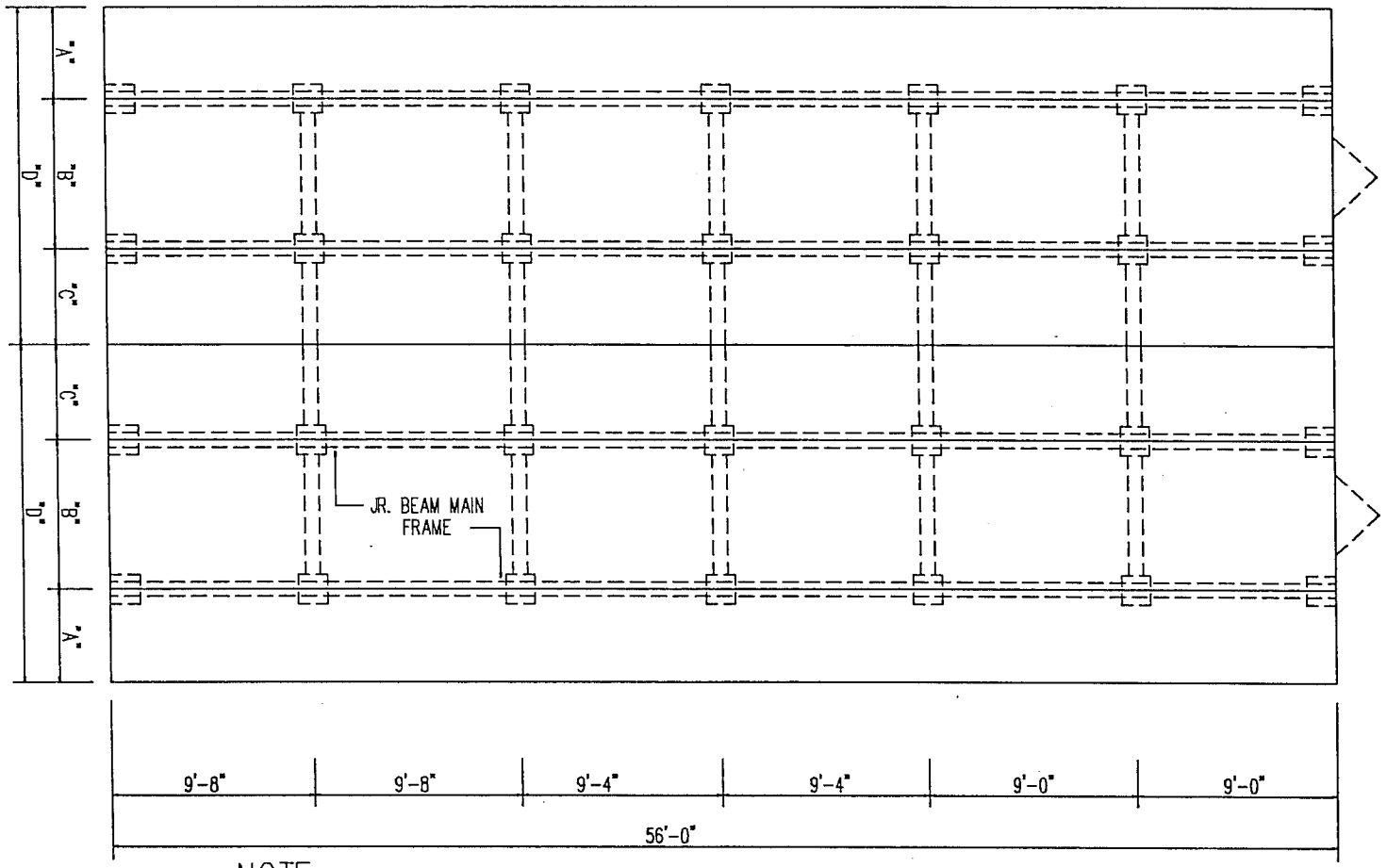
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

CROSSBEAM SUPPORT – 60'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x60'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x60'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x60'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

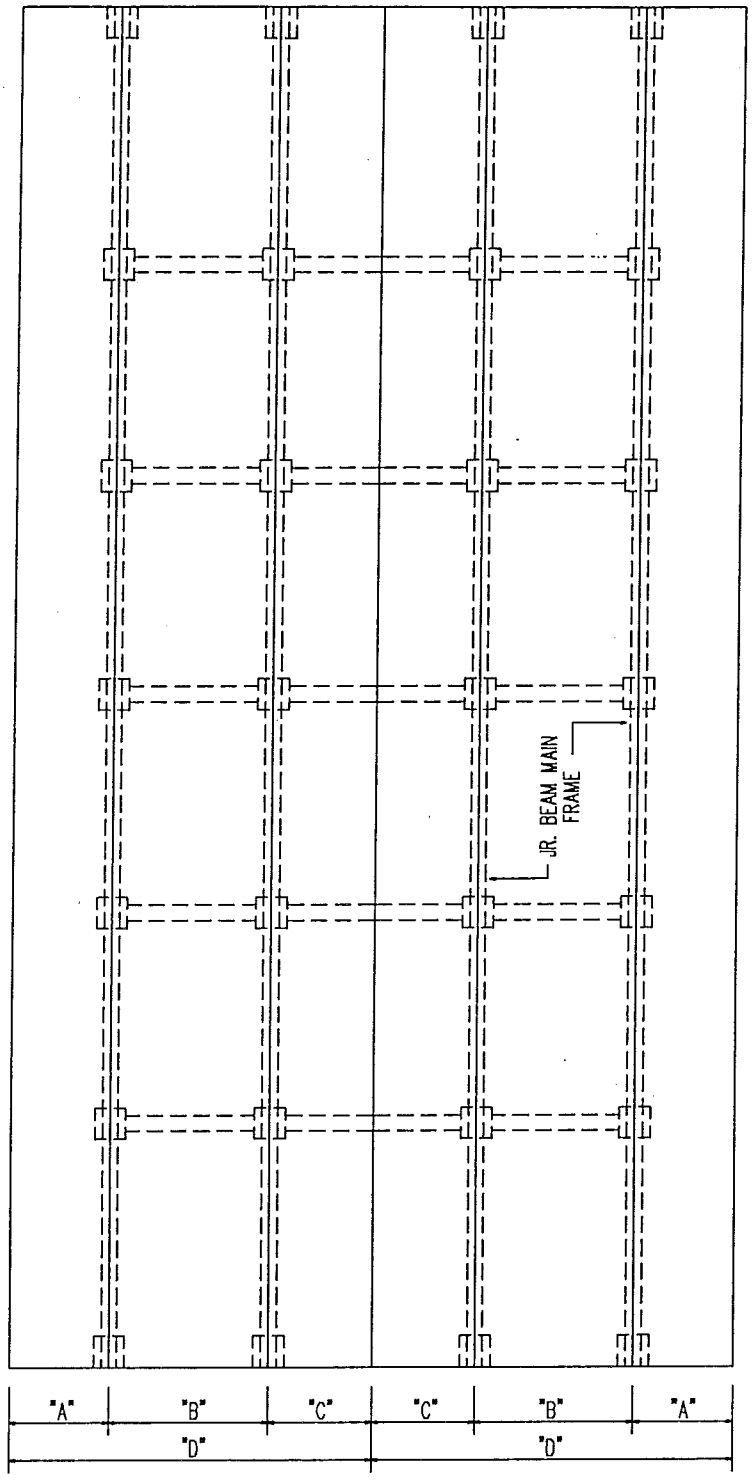
REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT - 62'D.W.

FRONT



NOTE:
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REVISIONS	DATE

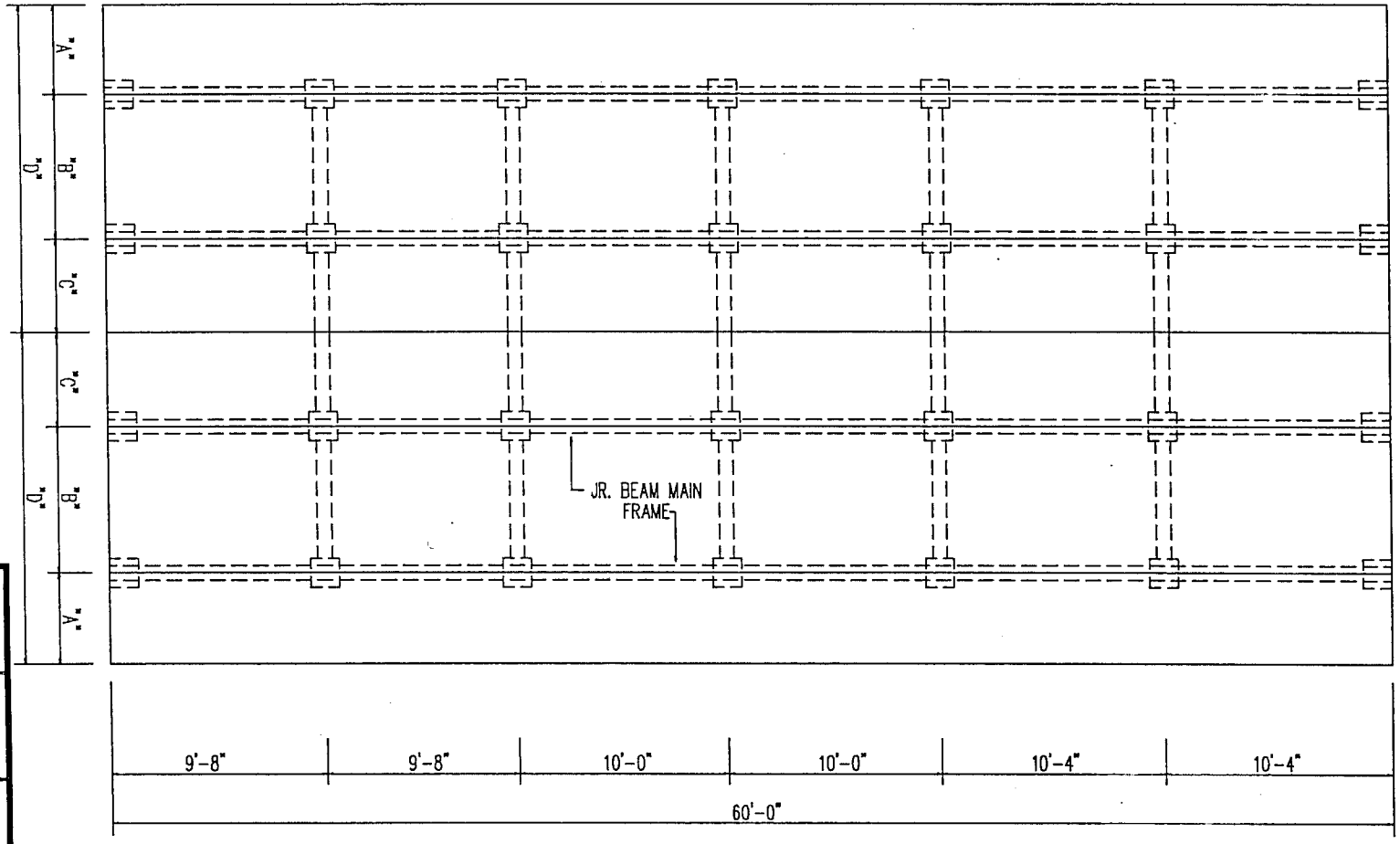
MODEL	"A"	"B"	"C"	"D"
24'x62'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x62'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x62'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/2/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

CROSSBEAM SUPPORT – 64'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x64'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x64'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x64'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

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REVISIONS	DATE

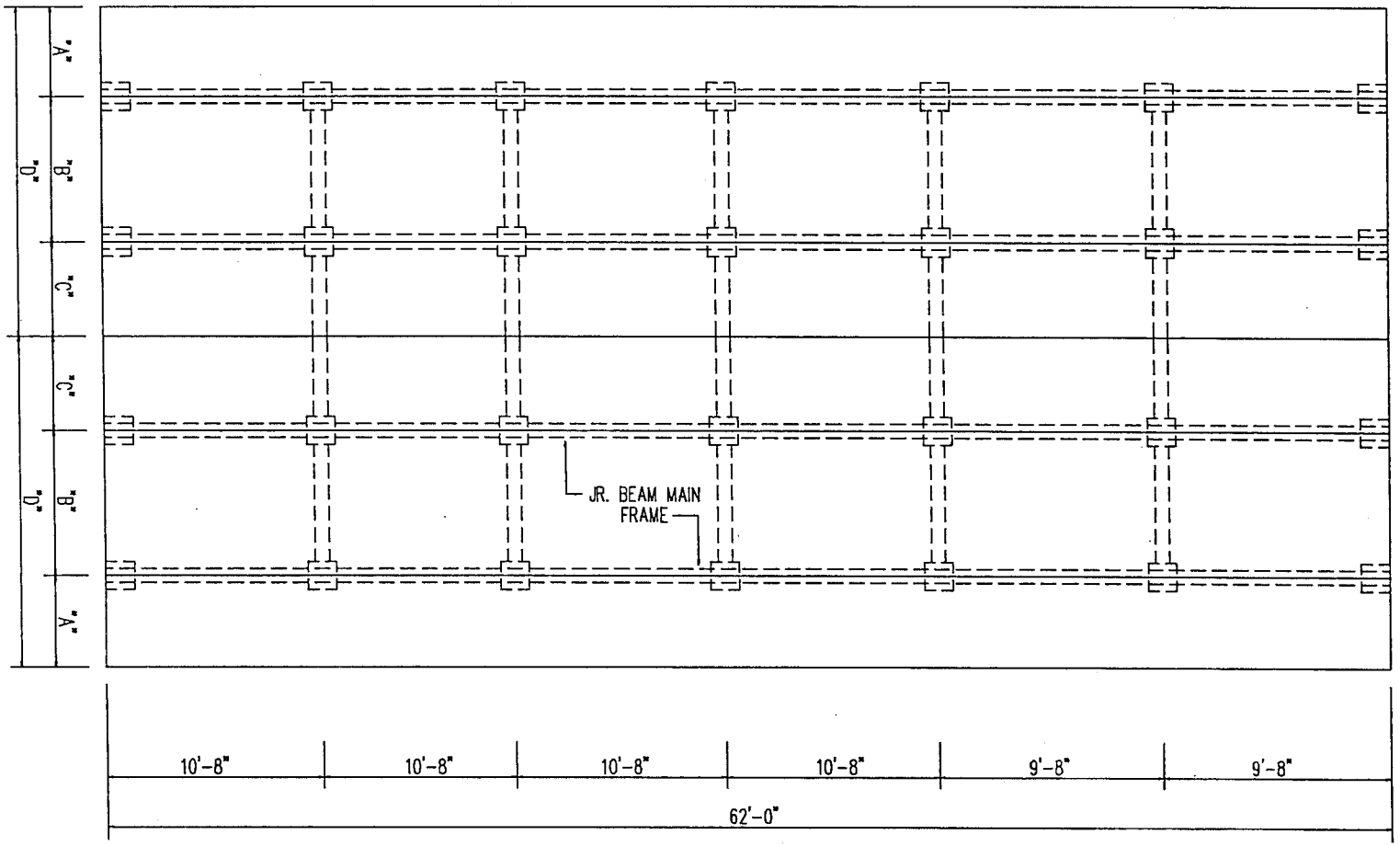
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 66'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x66'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x66'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x66'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/2/93

CHKD. BY:

SCALE: NOT TO SCALE

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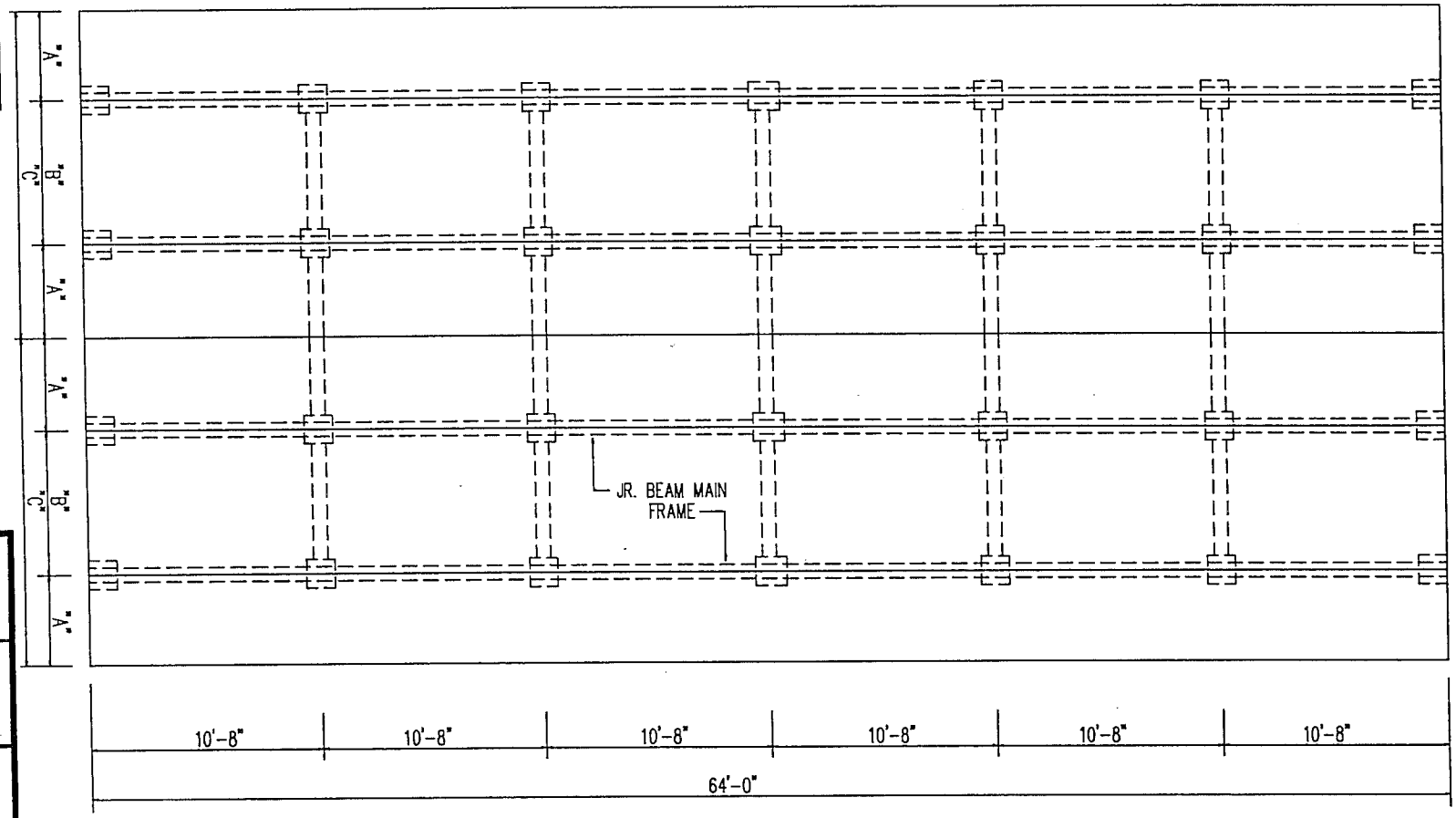
CROSSBEAM SUPPORT – 68'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x68'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x68'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x68'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

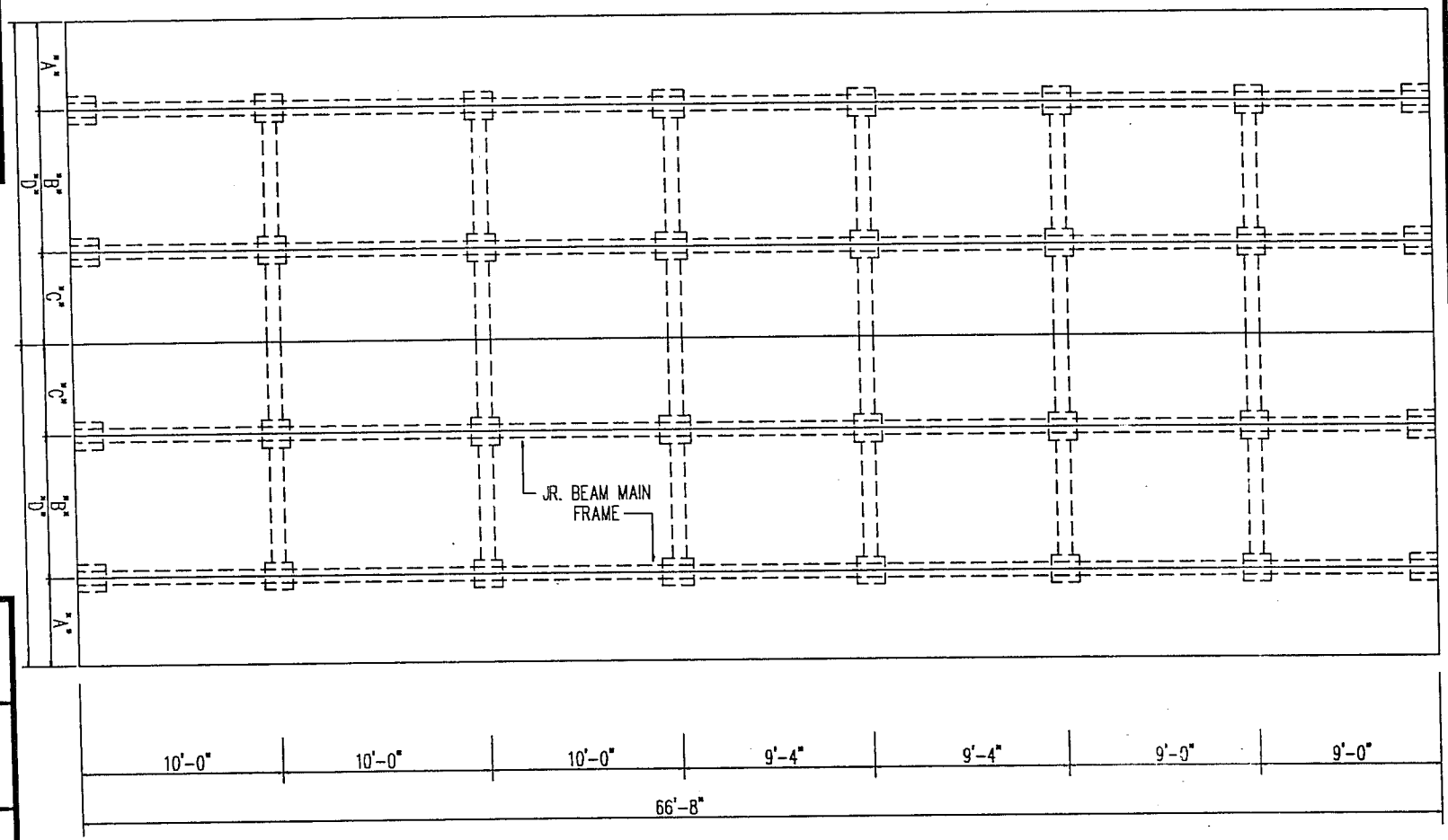
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 70'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x70'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x70'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x70'	35 3/4"	82 1/2"	45 3/4"	13'-8"

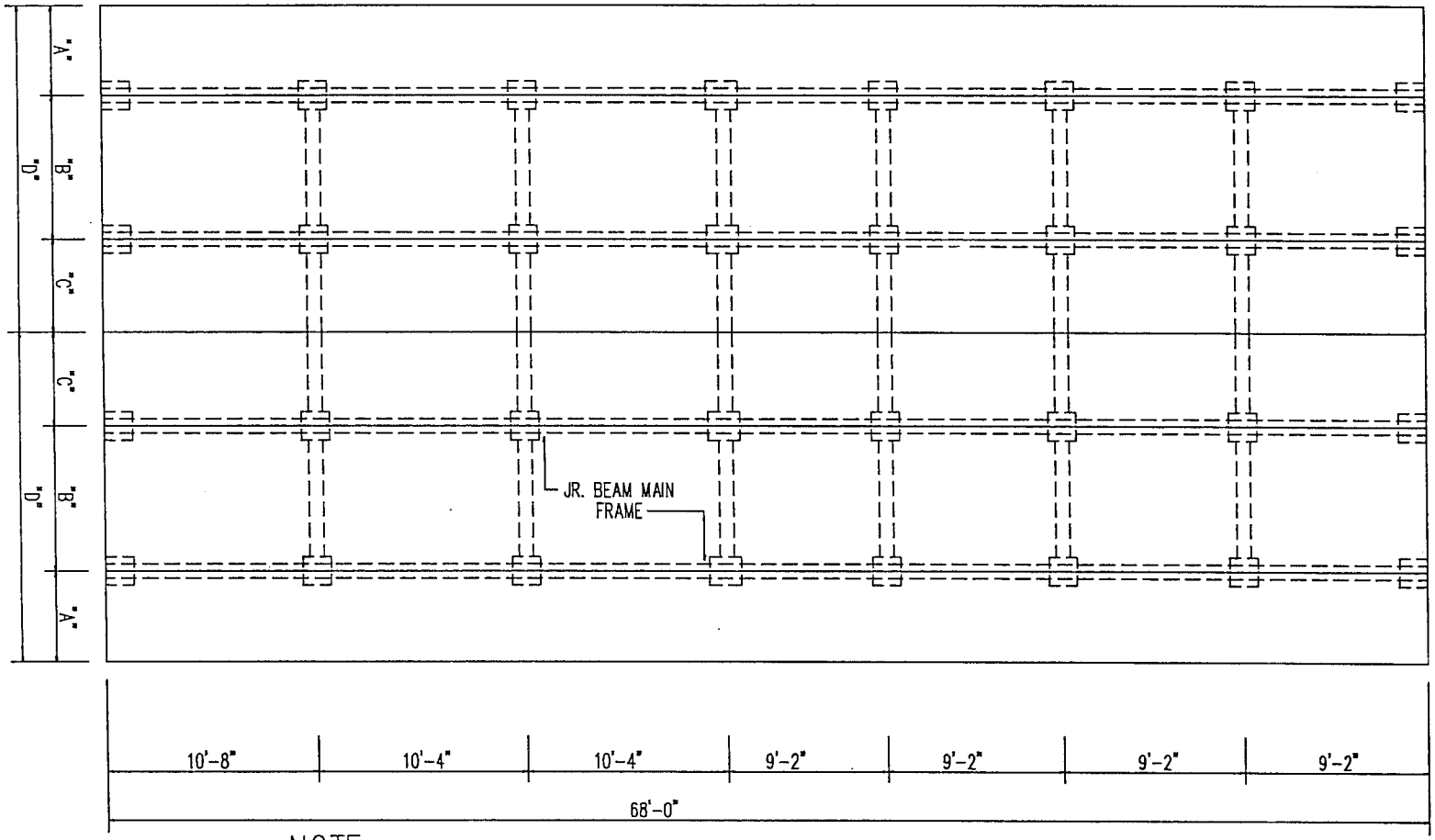
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

CROSSBEAM SUPPORT – 72'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x72'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x72'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x72'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

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REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/2/93

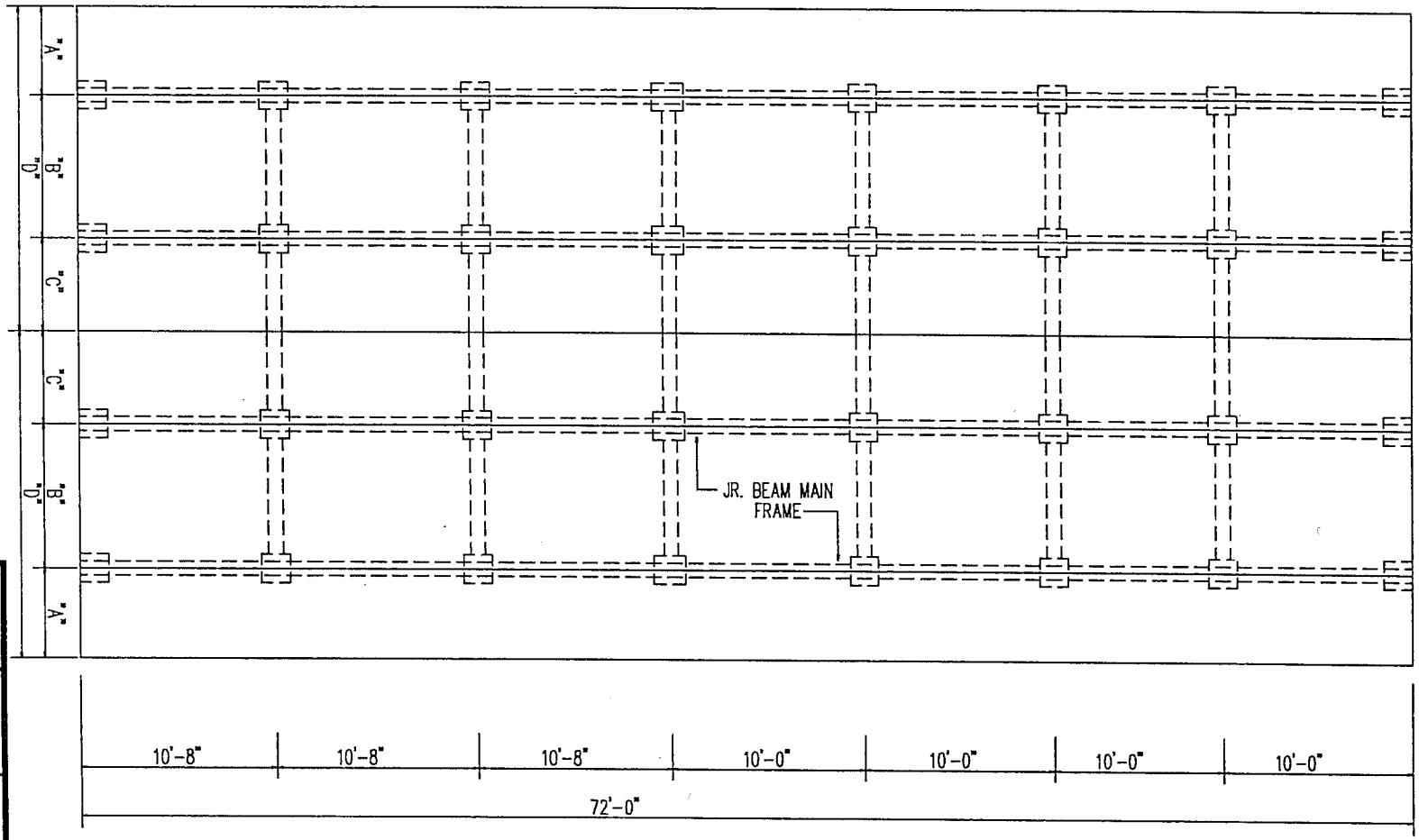
CHKD. BY:

SCALE: NOT TO SCALE

-

CROSSBEAM SUPPORT – 76'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x76'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x76'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x76'	35 3/4"	82 1/2"	45 3/4"	13'-8"

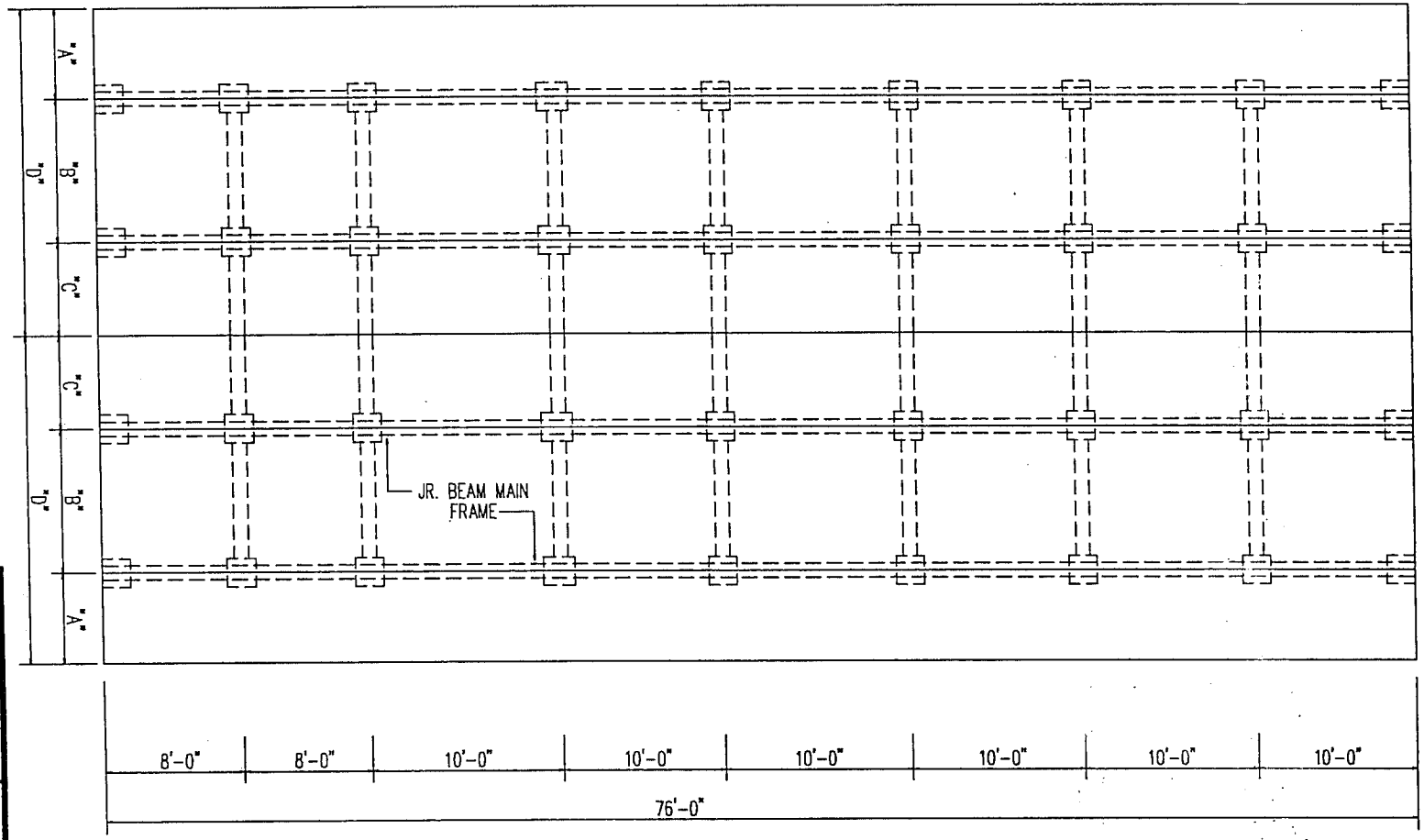
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

CROSSBEAM SUPPORT – 80'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x80'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x80'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x80'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/2/93

CHKD. BY:

SCALE: NOT TO SCALE

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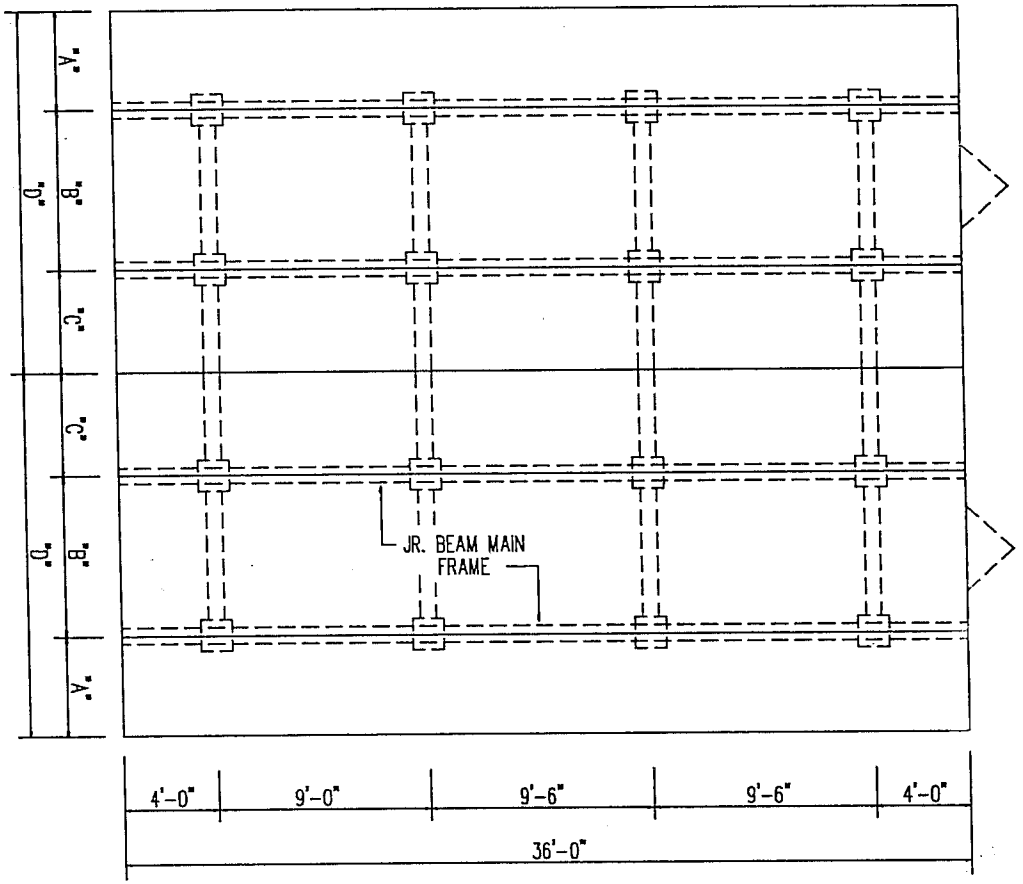
SECTION VII

ALTERNATE
SUPPORT BLOCKING W/ CROSSBEAM

Double Section Homes

ALTERNATE CROSSBEAM SUPPORT – 40'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x40'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x40'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x40'	35 3/4"	82 1/2"	45 3/4"	13'-8"

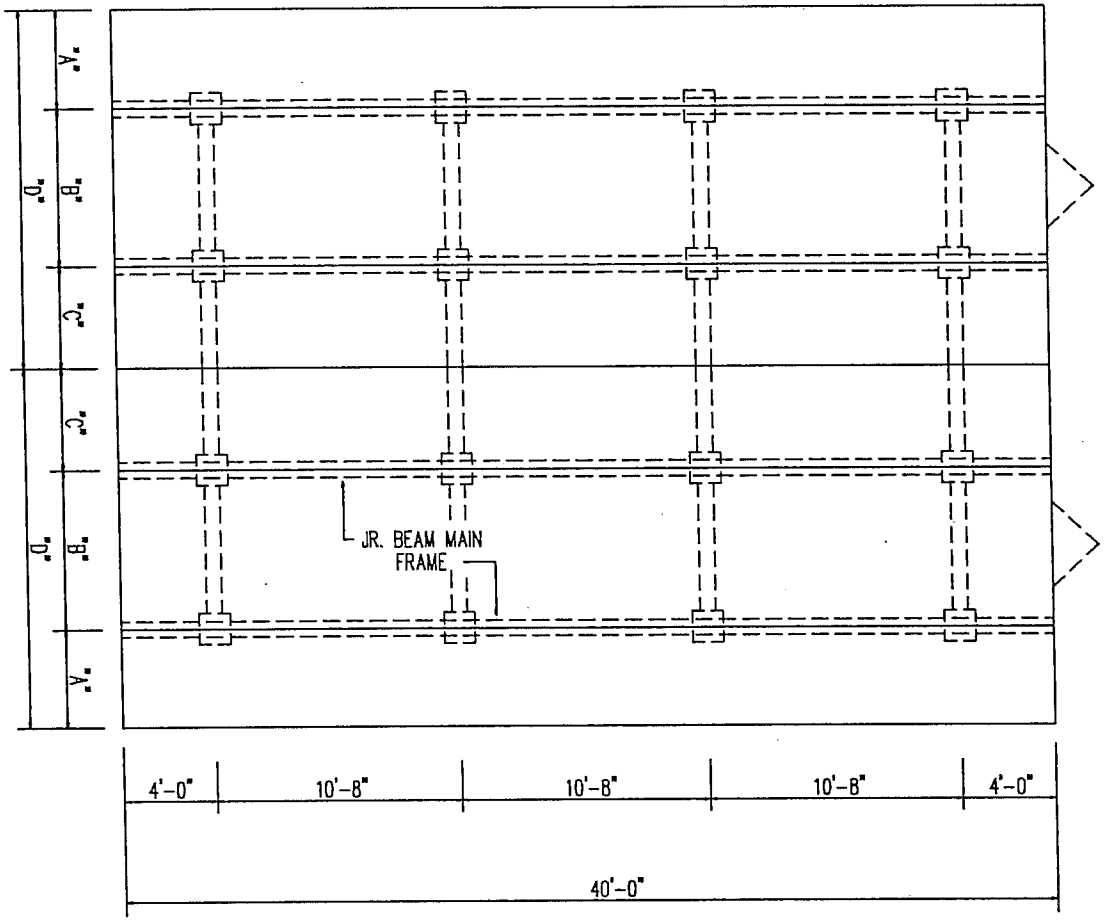
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 44'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x44'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x44'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x44'	35 3/4"	82 1/2"	45 3/4"	13'-8"

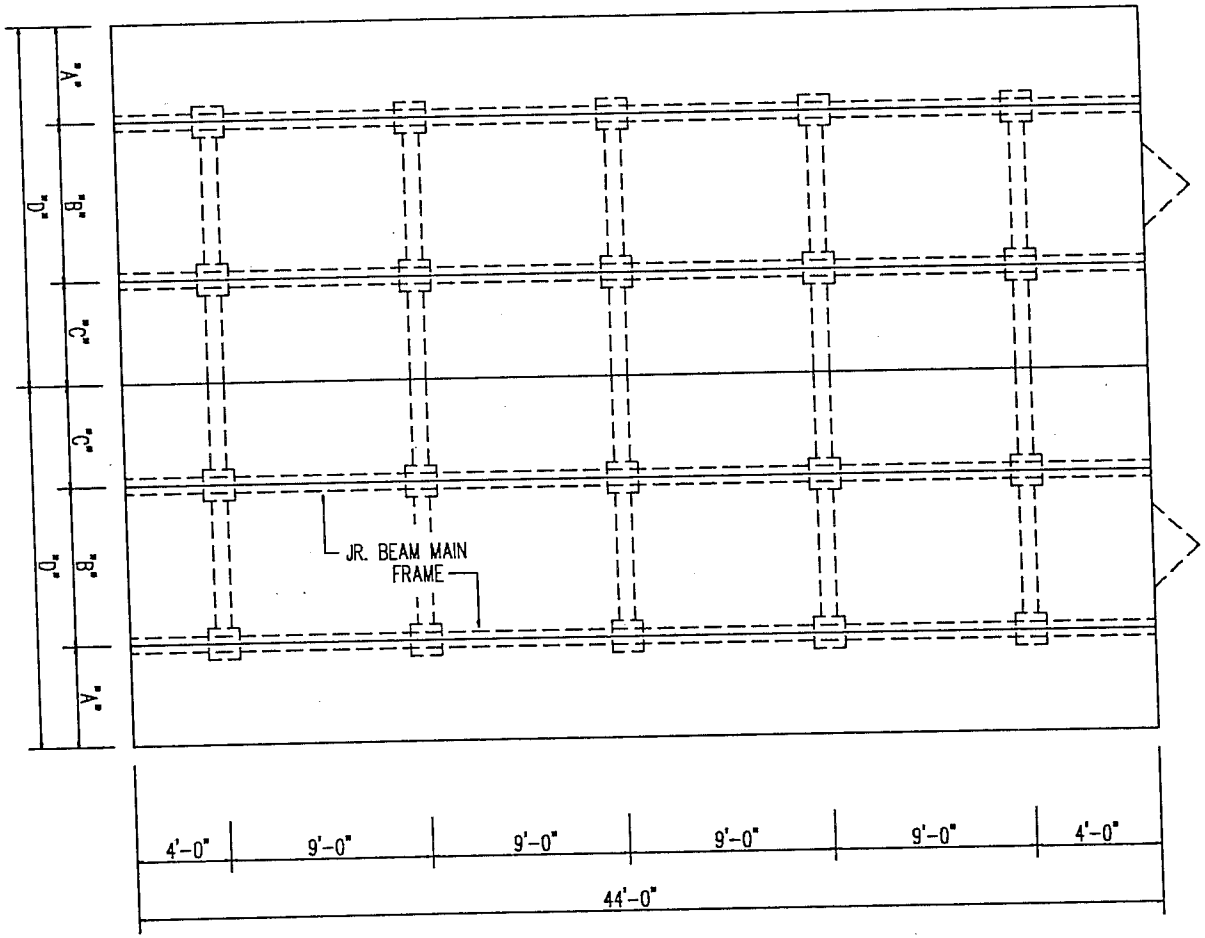
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 48'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x48'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x48'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x48'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES

HOUSING DIVISION

REVISIONS	DATE

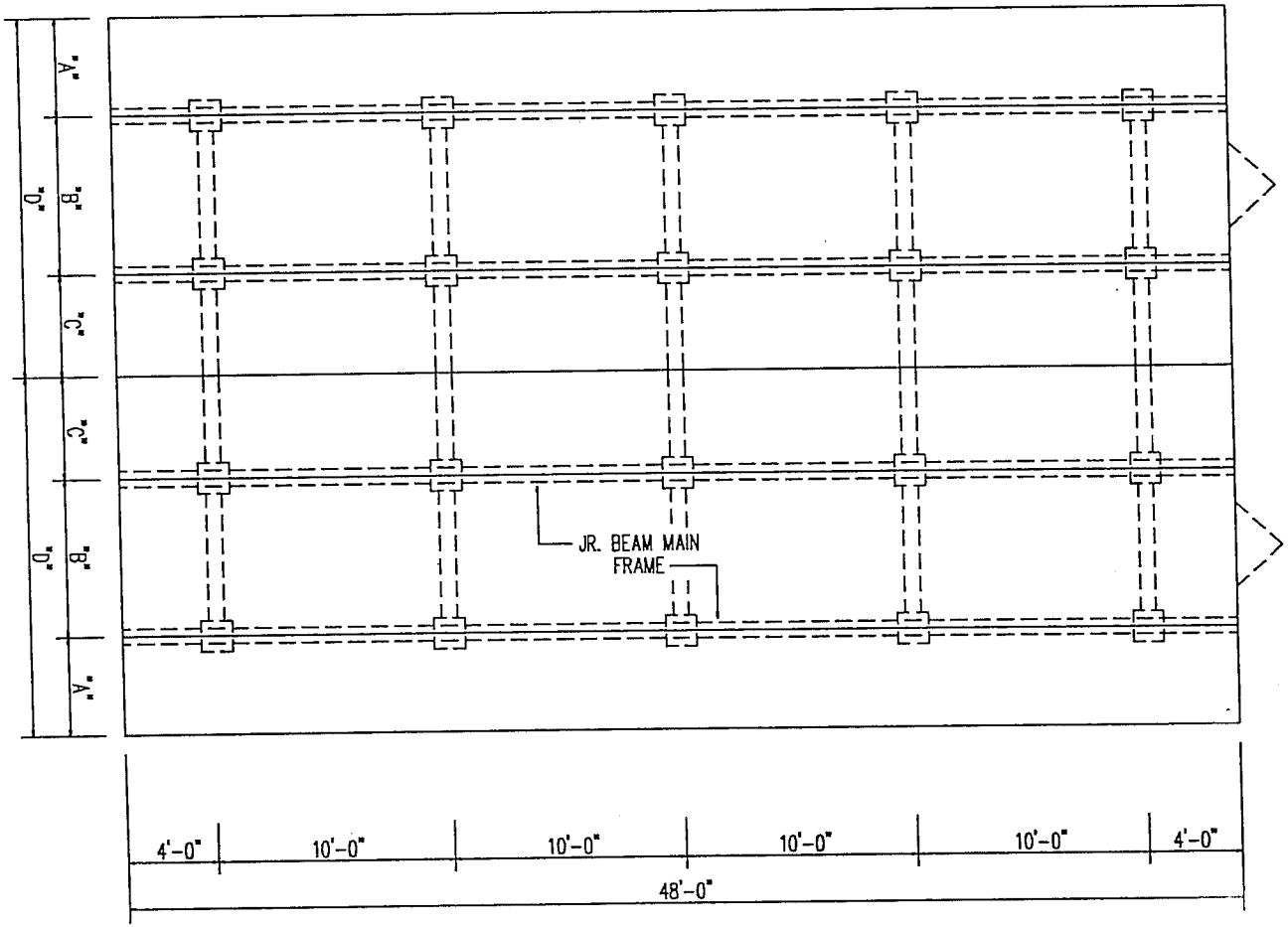
DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 52'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x52'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x52'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x52'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

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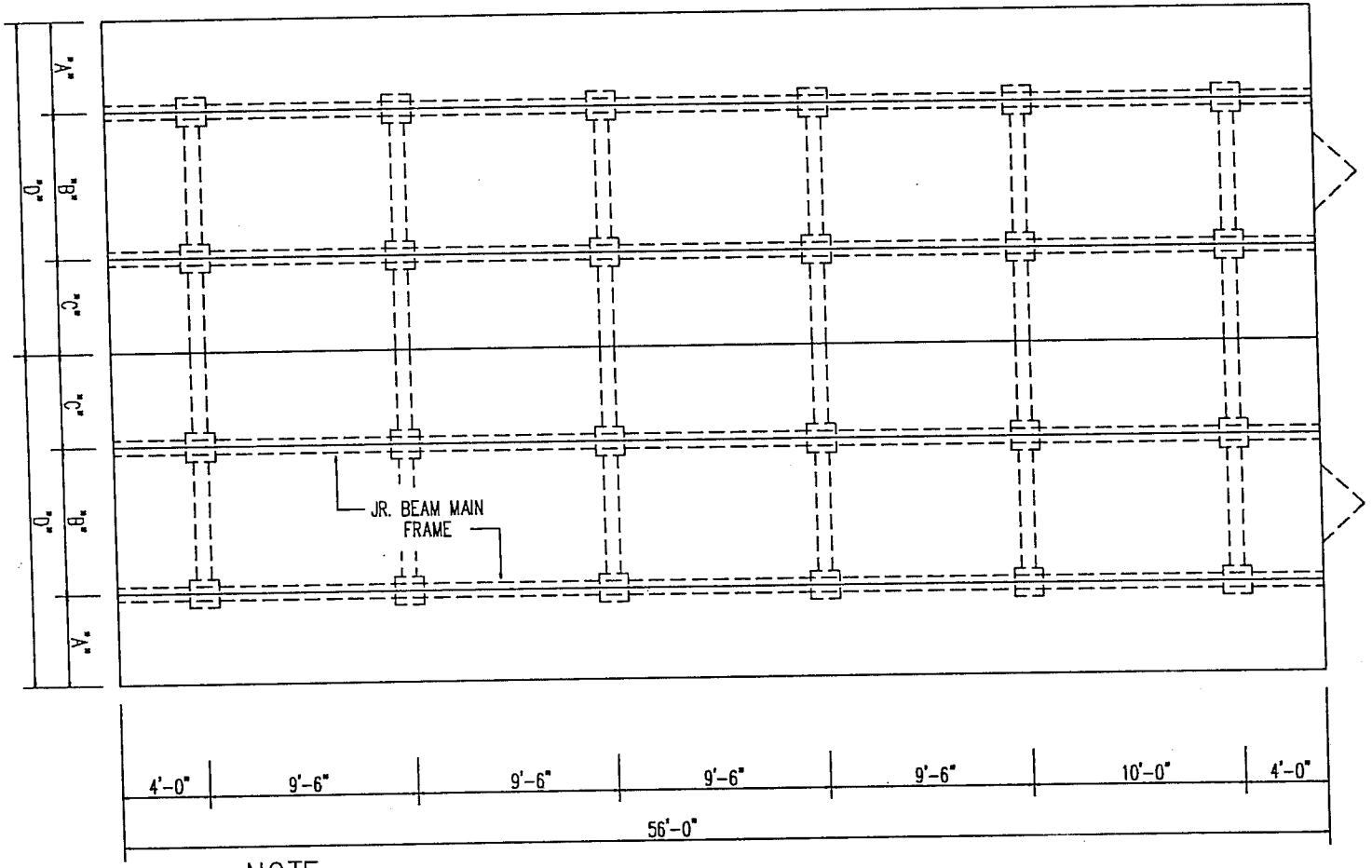
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 60'D.W.

FRONT



NOTE:

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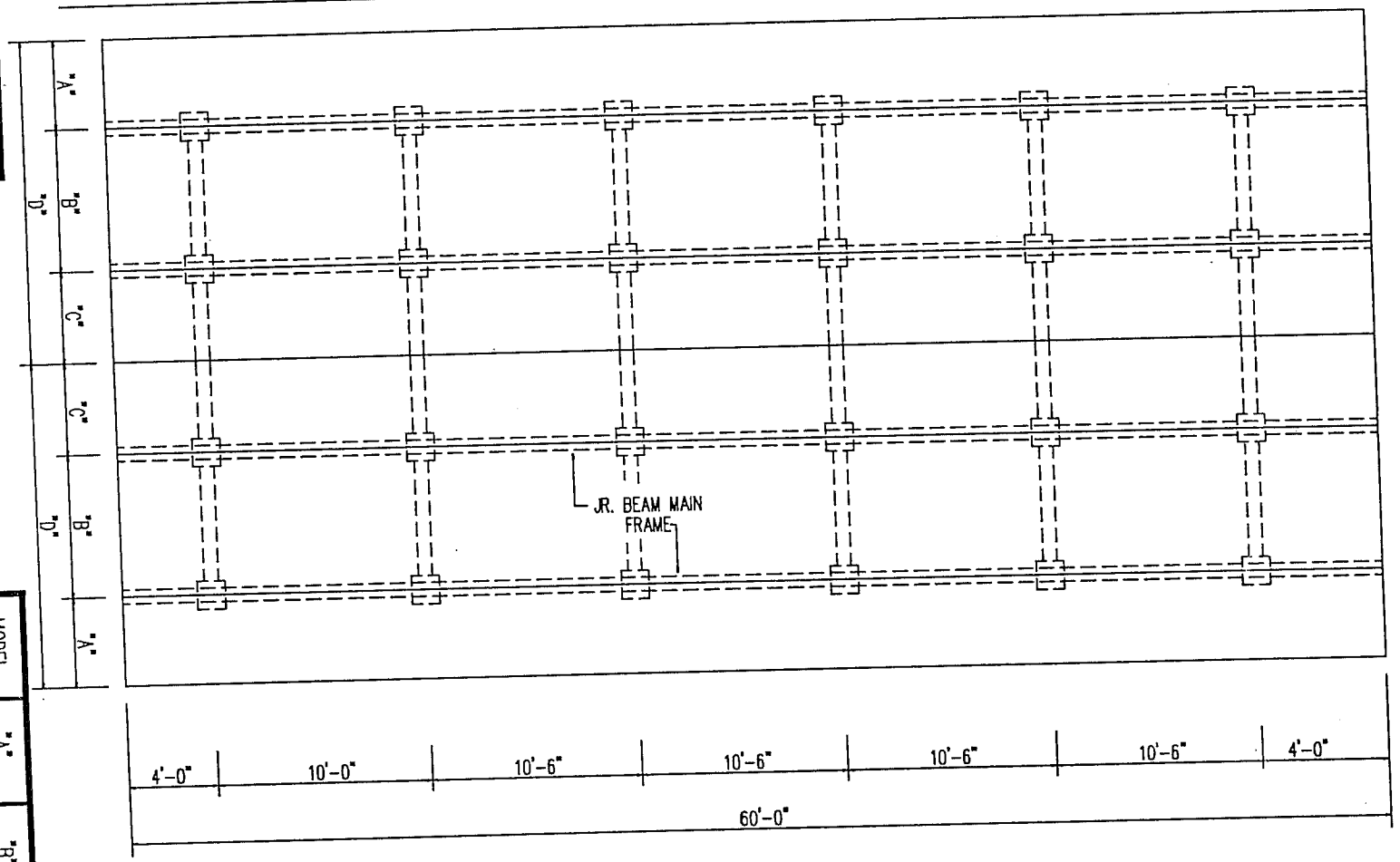
MODEL	"A"	"B"	"C"	"D"
24'x60'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x60'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x60'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 64'D.W. FRONT



MODEL	"A"	"B"	"C"	"D"
24'x64'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x64'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x64'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

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CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 68'D.W. FRONT

NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x68'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x68'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x68'	35 3/4"	82 1/2"	45 3/4"	13'-8"

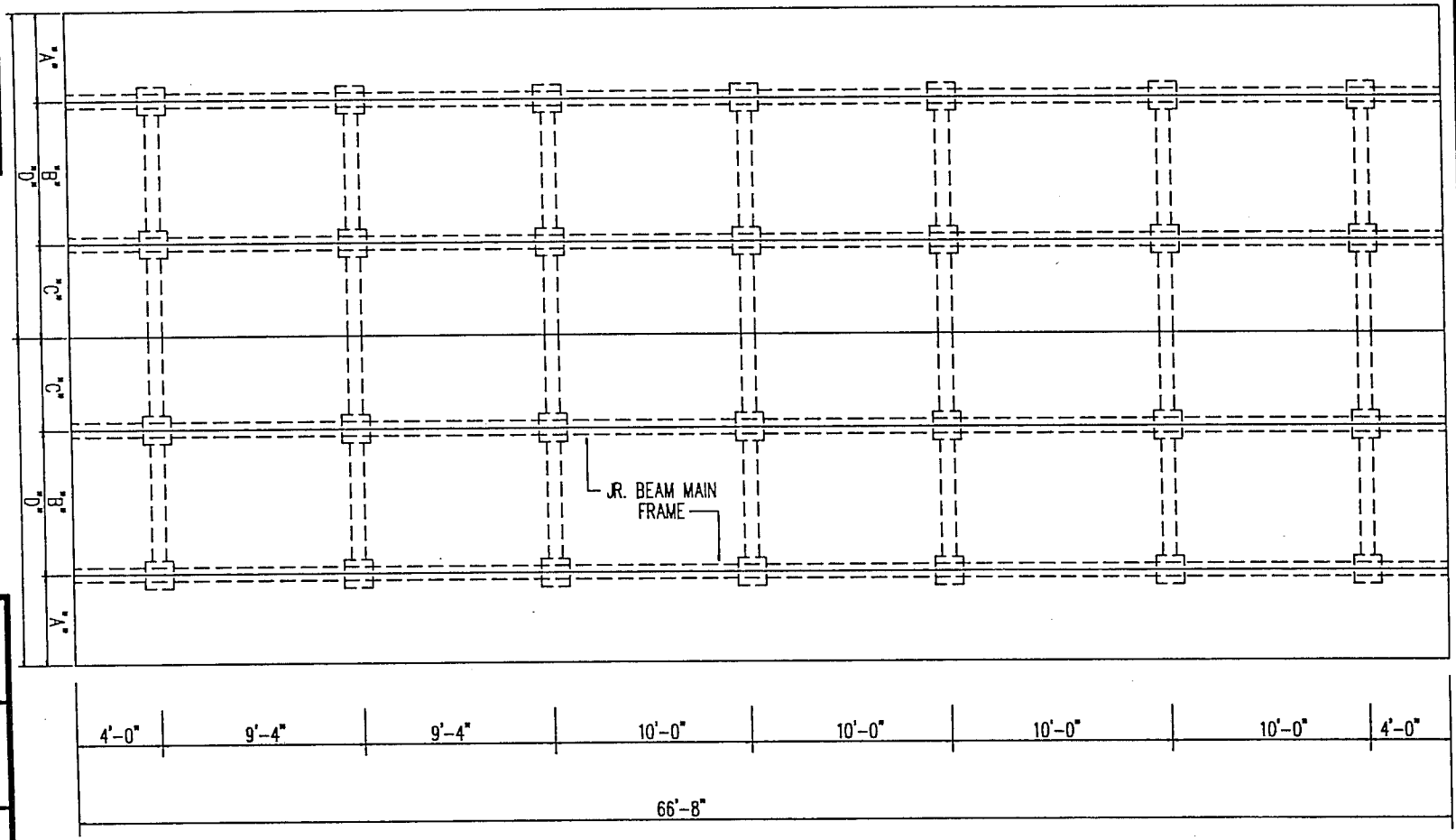
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/2/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

ALTERNATE CROSSBEAM SUPPORT – 70'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x70'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x70'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x70'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES

HOUSING DIVISION

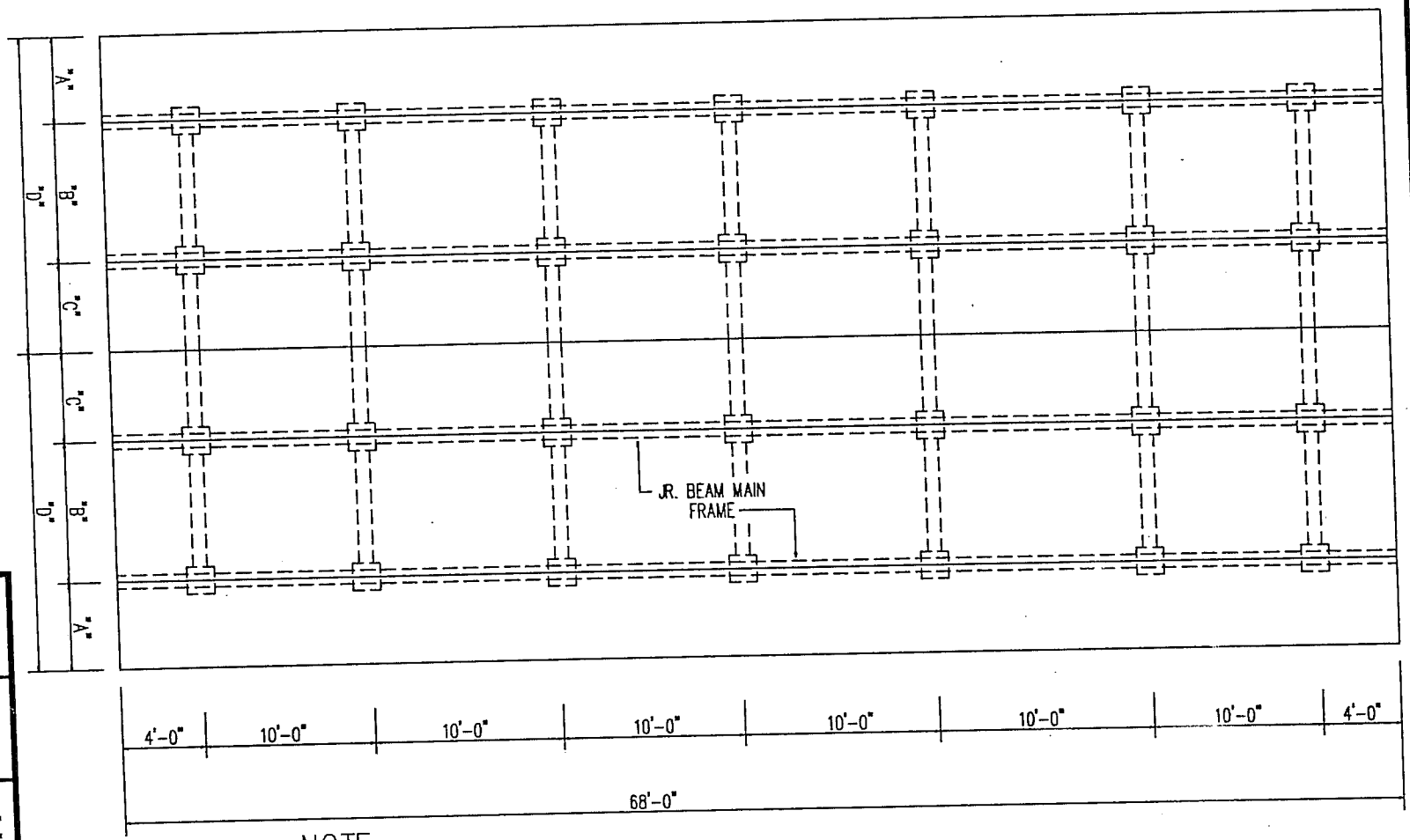
REVISIONS	DATE

DRWG. BY: DJ 2/2/93

CHKD. BY:

SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 72'D.W. FRONT



MODEL	"A"	"B"	"C"	"D"
24'x72'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x72'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x72'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

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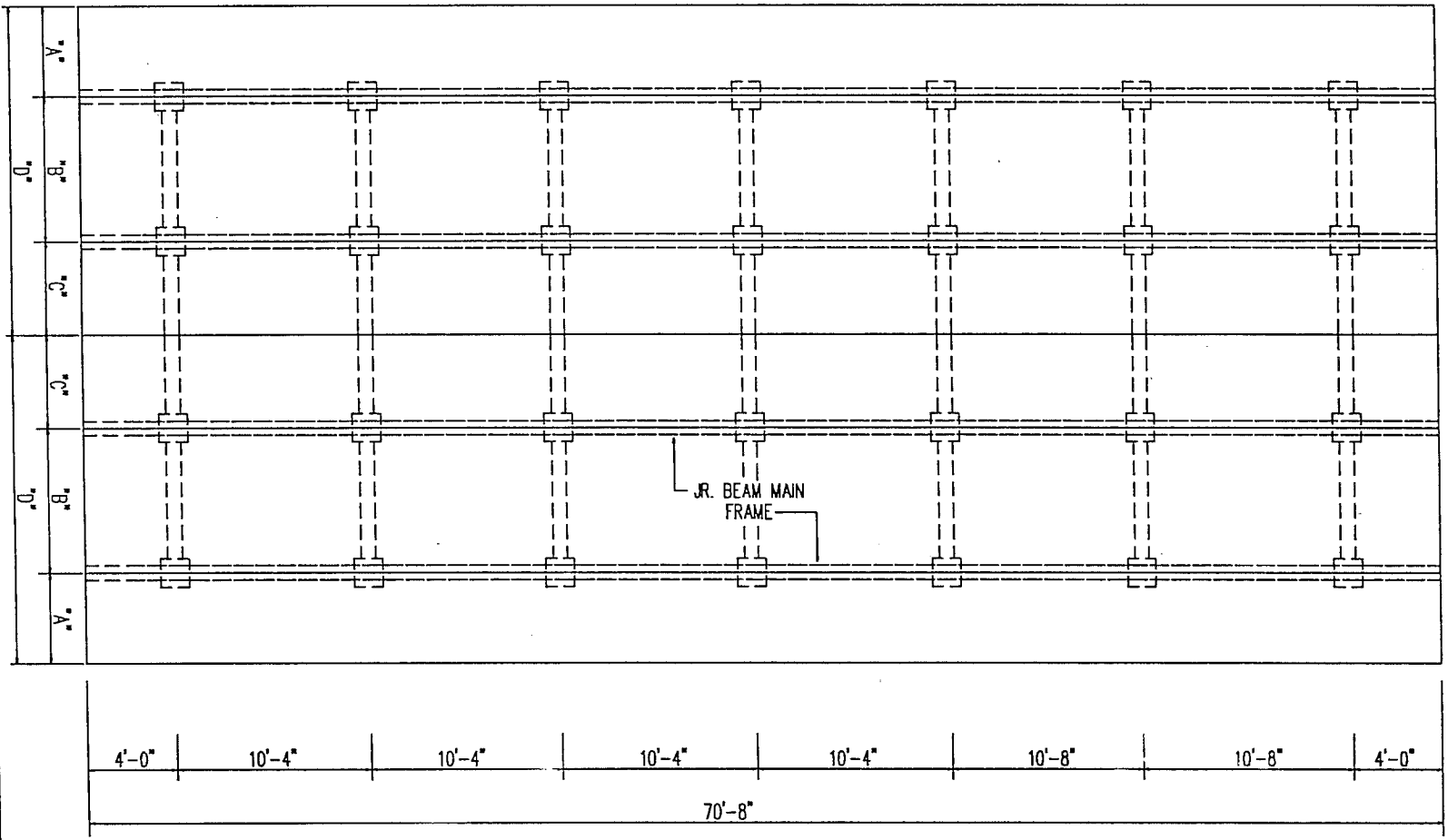
REVISIONS | DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 74'D.W. FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x74'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x74'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x74'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ

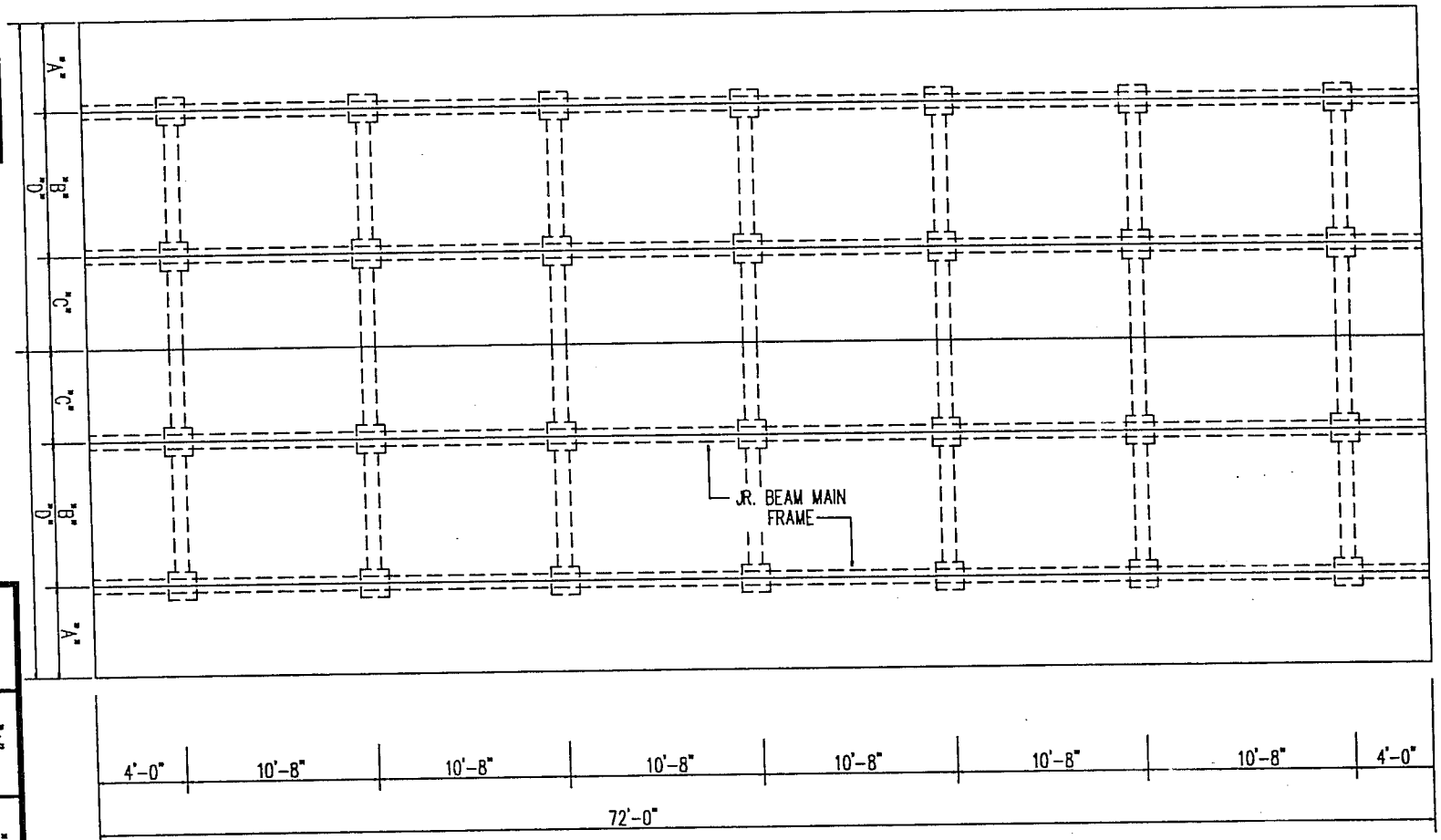
CHKD. BY:

2/2/93

SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 76'D.W.

FRONT



MODEL	"A"	"B"	"C"	"D"
24'x76'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x76'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x76'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

CHIEF INDUSTRIES

HOUSING DIVISION

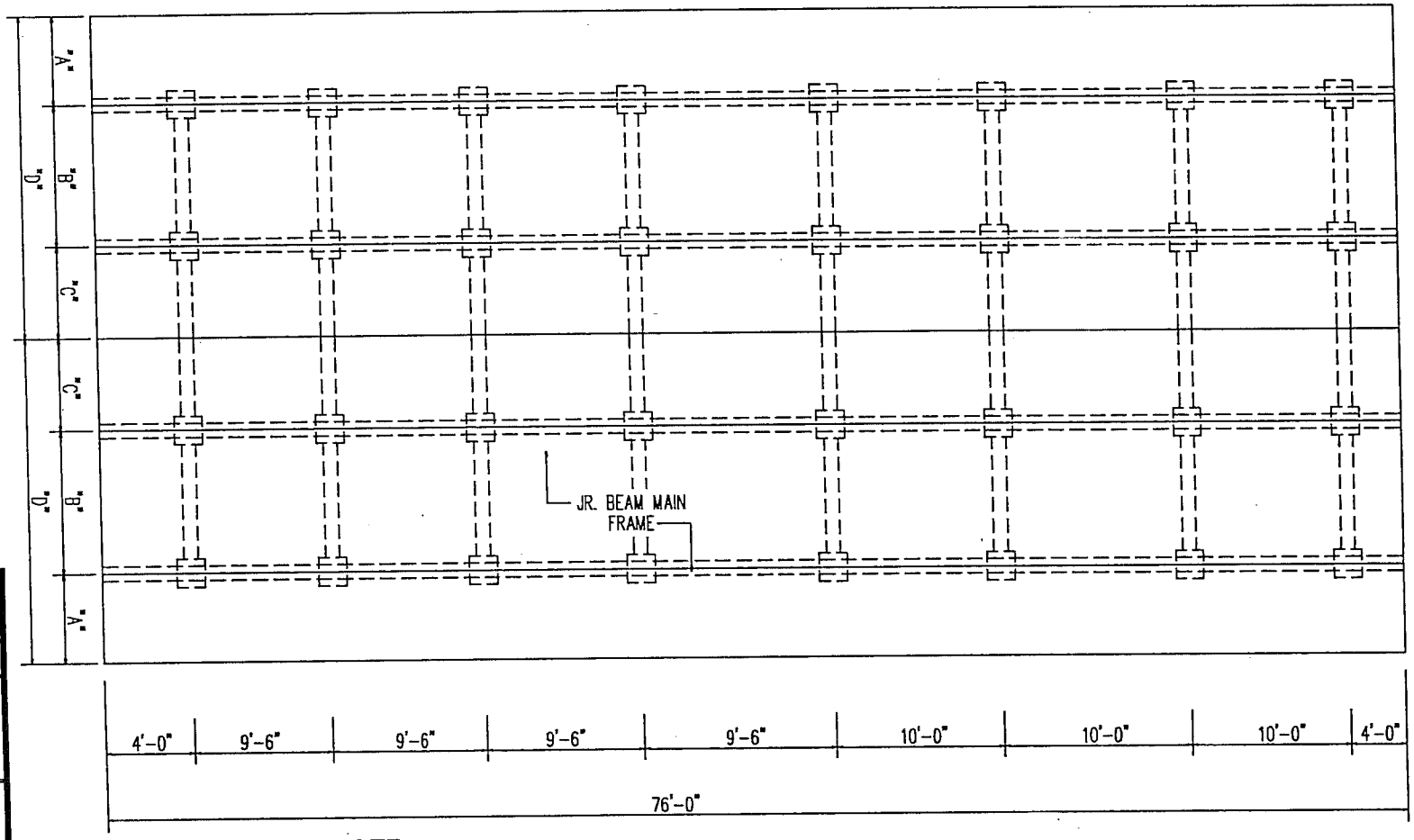
REVISIONS	DATE

DRWG. BY:

CHKD. BY: DJ 2/2/93

SCALE: NOT TO SCALE

ALTERNATE CROSSBEAM SUPPORT – 80'D.W. FRONT



MODEL	"A"	"B"	"C"	"D"
24'x80'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x80'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x80'	35 3/4"	82 1/2"	45 3/4"	13'-8"

NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/2/93

CHKD. BY:

SCALE: NOT TO SCALE

SECTION VIII

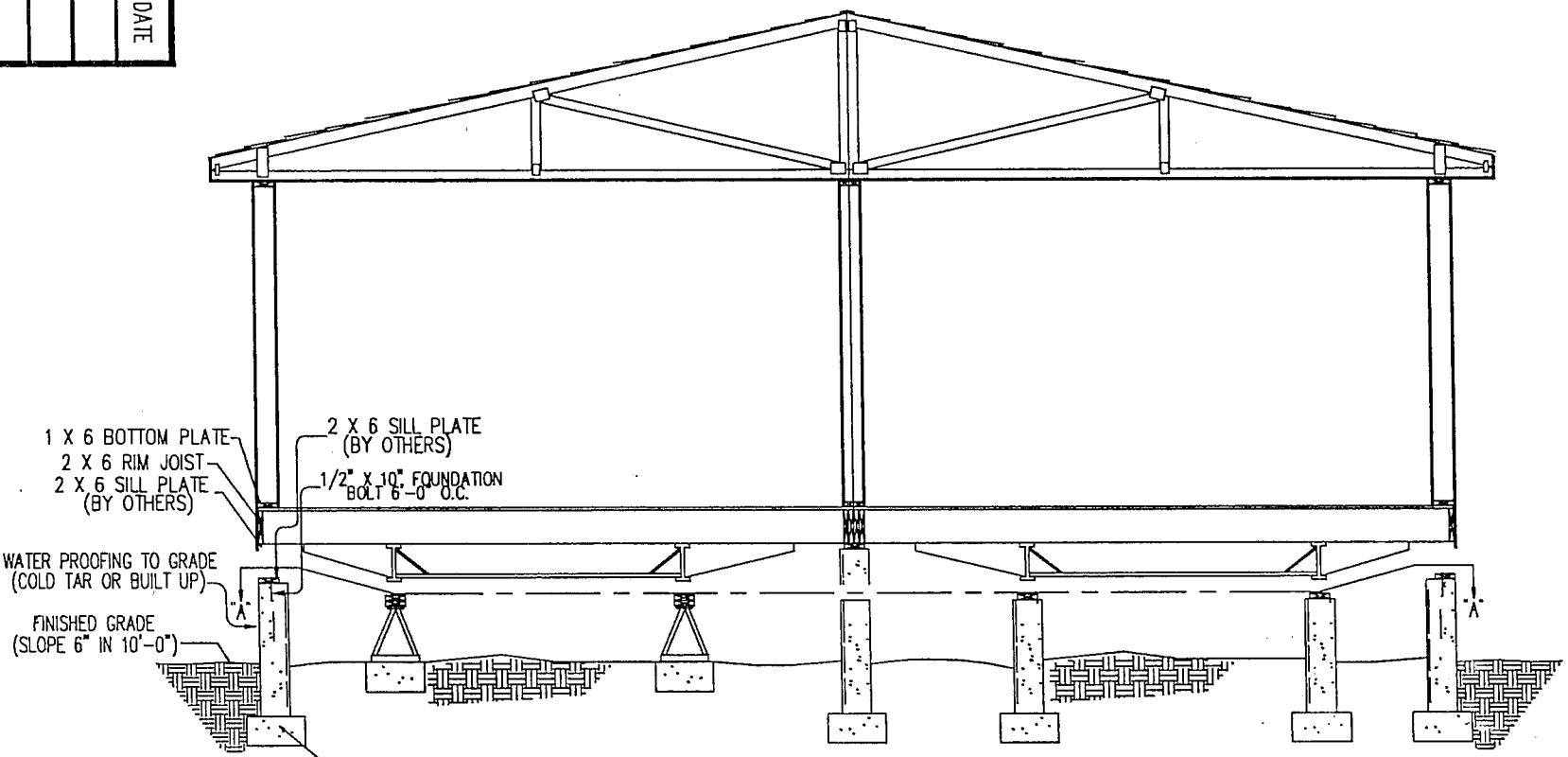
CRAWLSPACE CONSTRUCTION
W/ PIERS AND PERIMETER FOUNDATION

Double Section Homes

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

CRAWLSPACE CONSTRUCTION



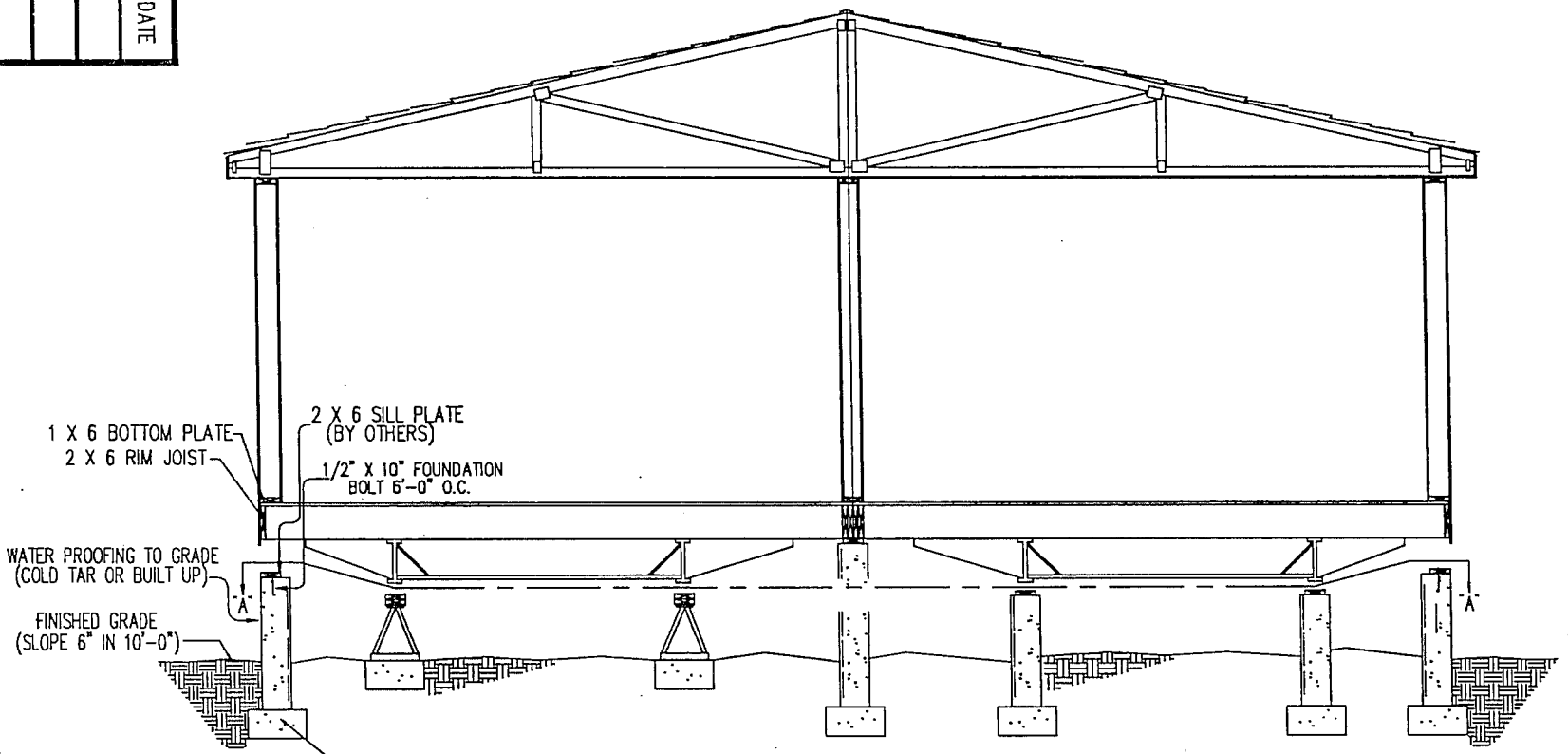
26' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 24'-0"

NOTE:

- INFORMATION ONLY; CONSTRUCTION RESPONSIBILITY OF OTHERS.
- FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

CRAWLSPACE CONSTRUCTION



28' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 26'-8"

● NOTE:

—— INFORMATION ONLY: CONSTRUCTION RESPONSIBILITY OF OTHERS.

—— FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

REVISIONS | DATE

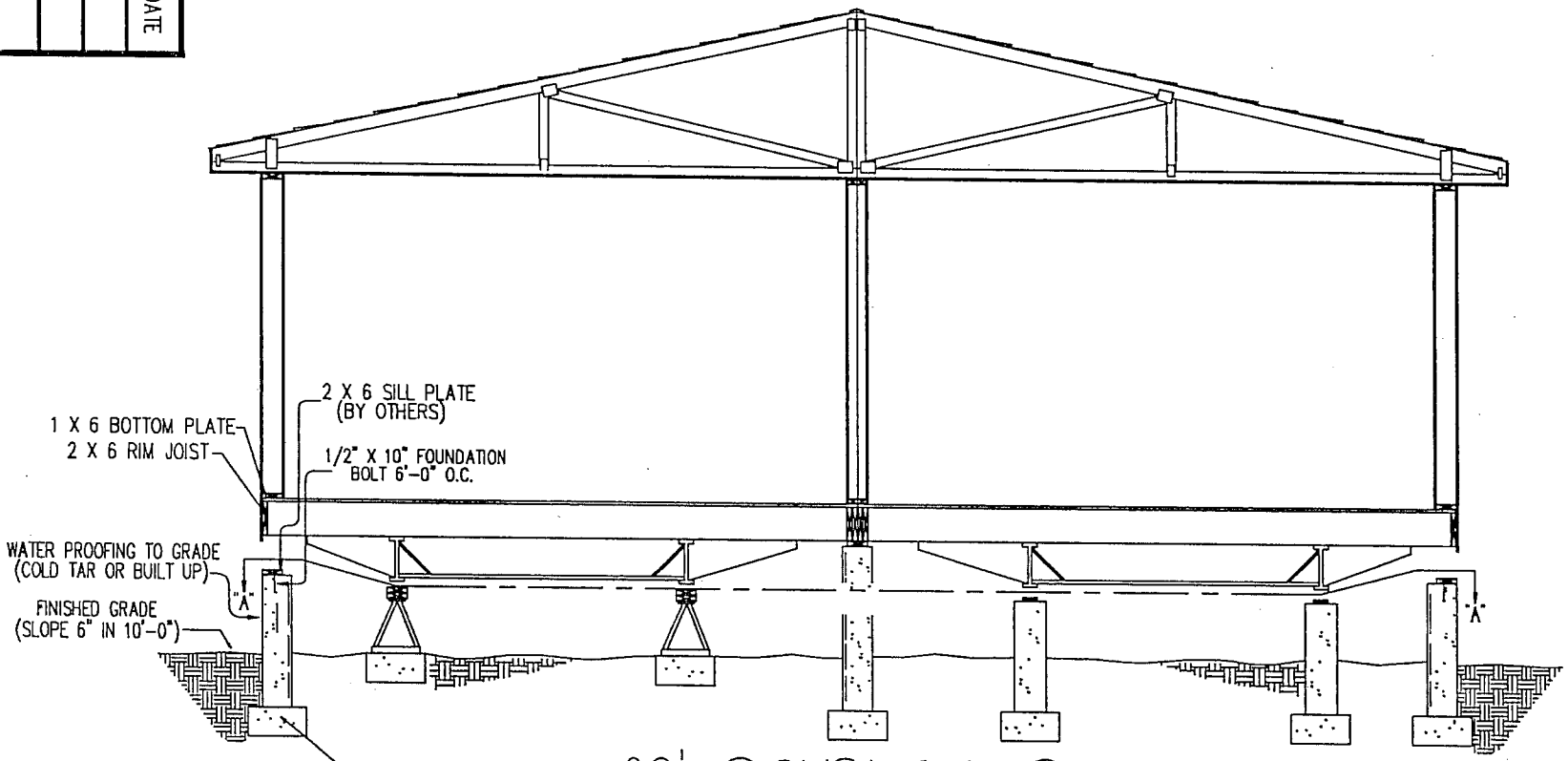
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

CRAWLSPACE CONSTRUCTION



30' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 27'-4"

● NOTE:

— INFORMATION ONLY;
CONSTRUCTION RESPONSIBILITY OF OTHERS.

— FOUNDATION REQUIREMENTS SUBJECT TO
LOCAL REQUIREMENTS AND APPROVAL.

DRWG. BY:	DJ
CHKD. BY:	
SCALE:	NONE
	2/2/93

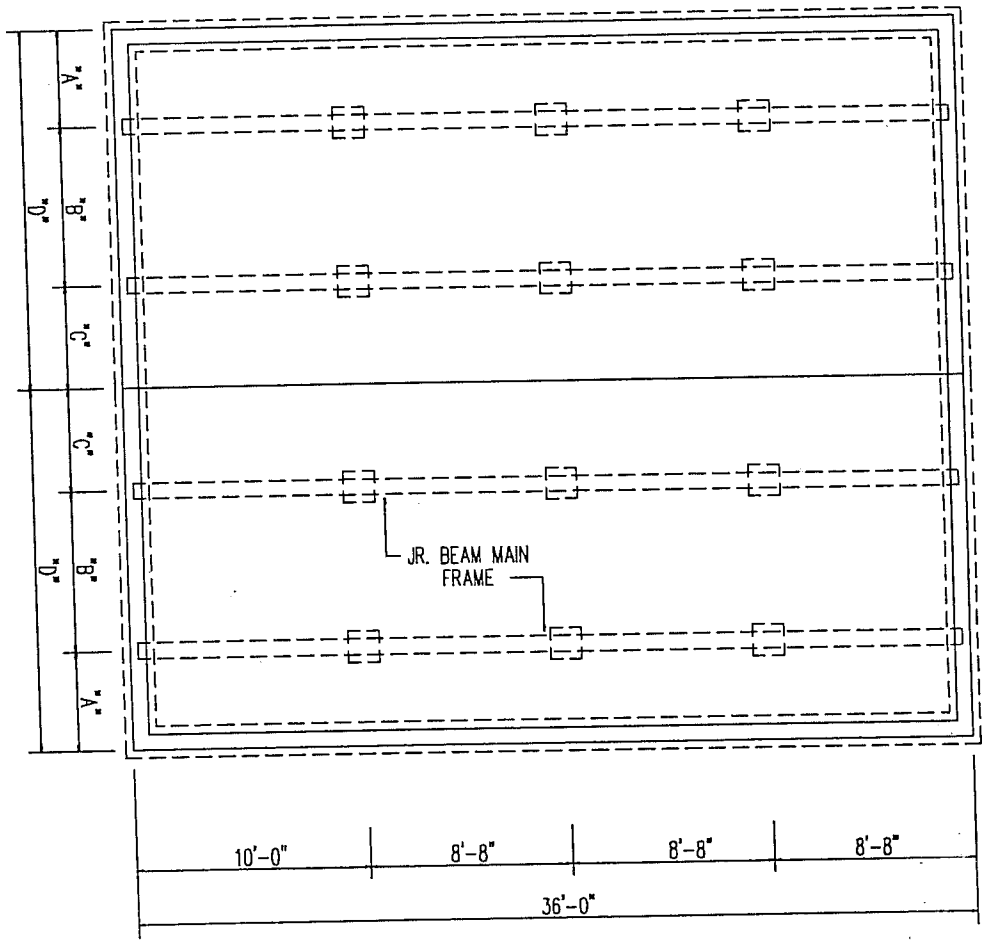
SECTION IX

PERIMETER FOUNDATION W/ PIERS

Double Section Homes

PIER LOCATIONS – 40'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x40'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x40'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x40'	35 3/4"	82 1/2"	45 3/4"	13'-8"

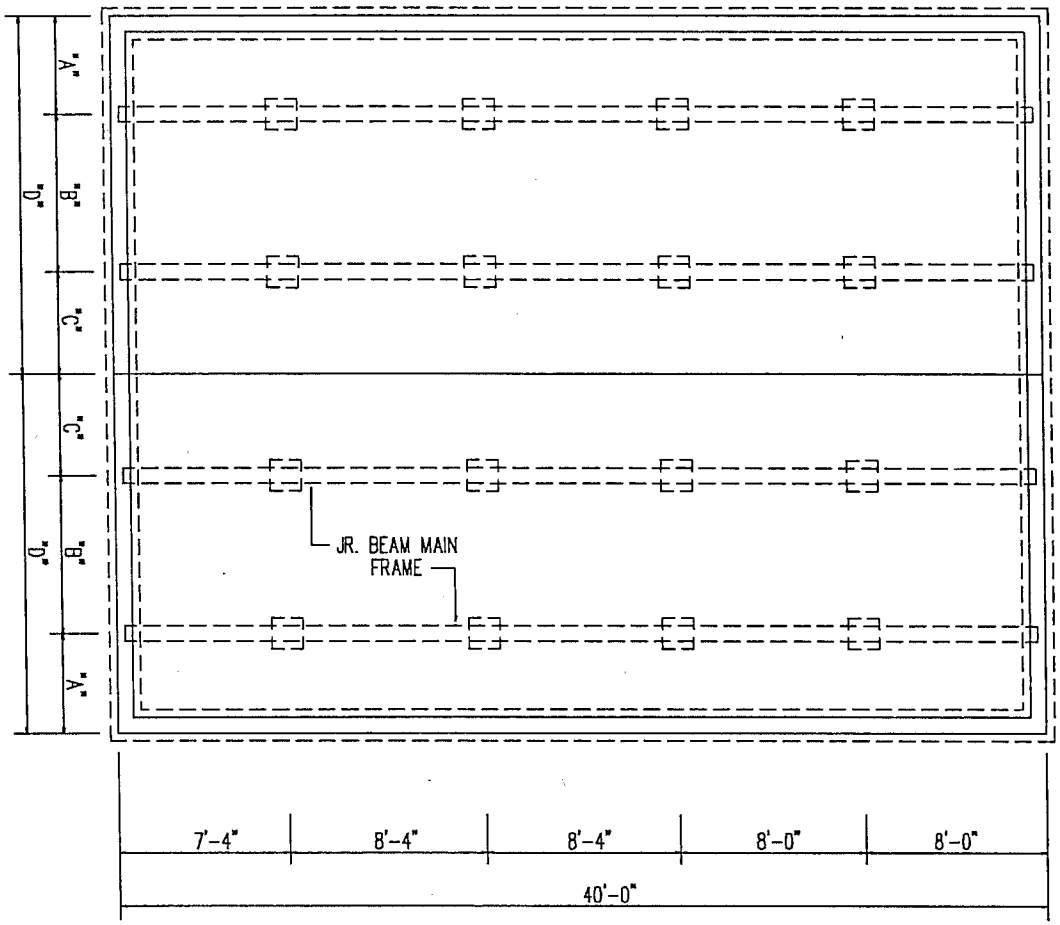
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

PIER LOCATIONS – 44'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x44'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x44'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x44'	35 3/4"	82 1/2"	45 3/4"	13'-8"

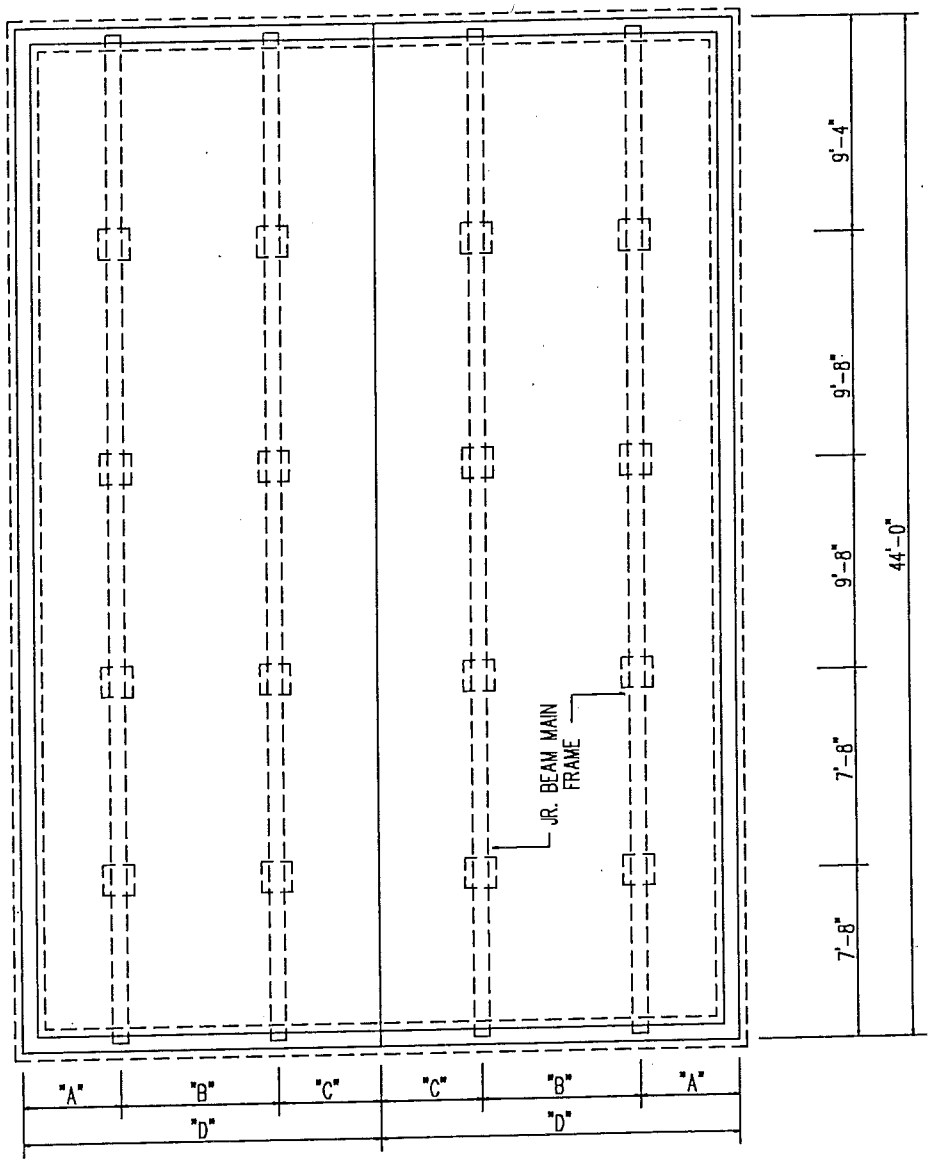
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

PIER LOCATIONS – 48'D.W.

FRONT



NOTE:
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REVISIONS	DATE

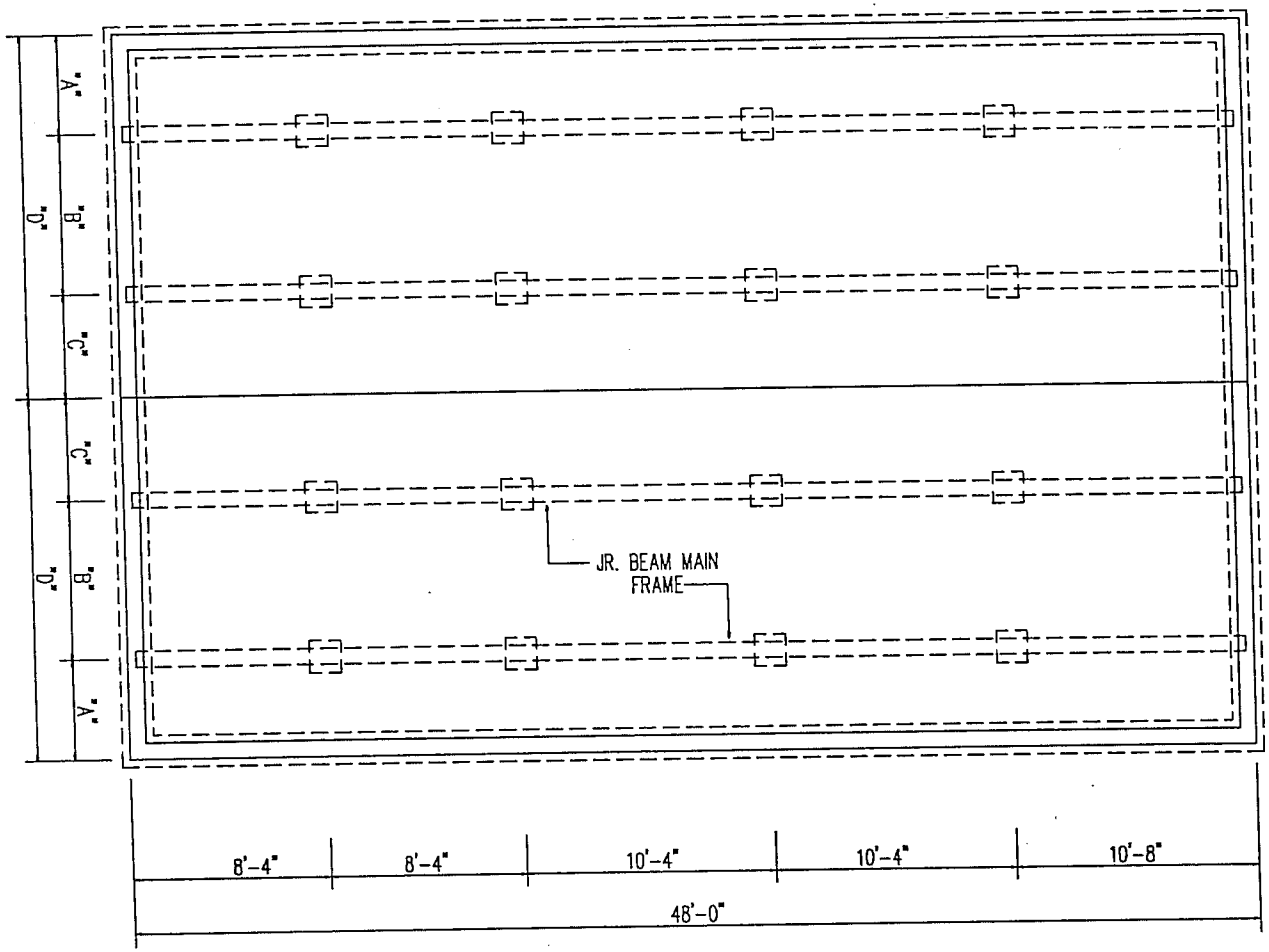
MODEL	"A"	"B"	"C"	"D"
24'x48'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x48'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x48'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/1/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

PIER LOCATIONS – 52'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x52'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x52'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x52'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

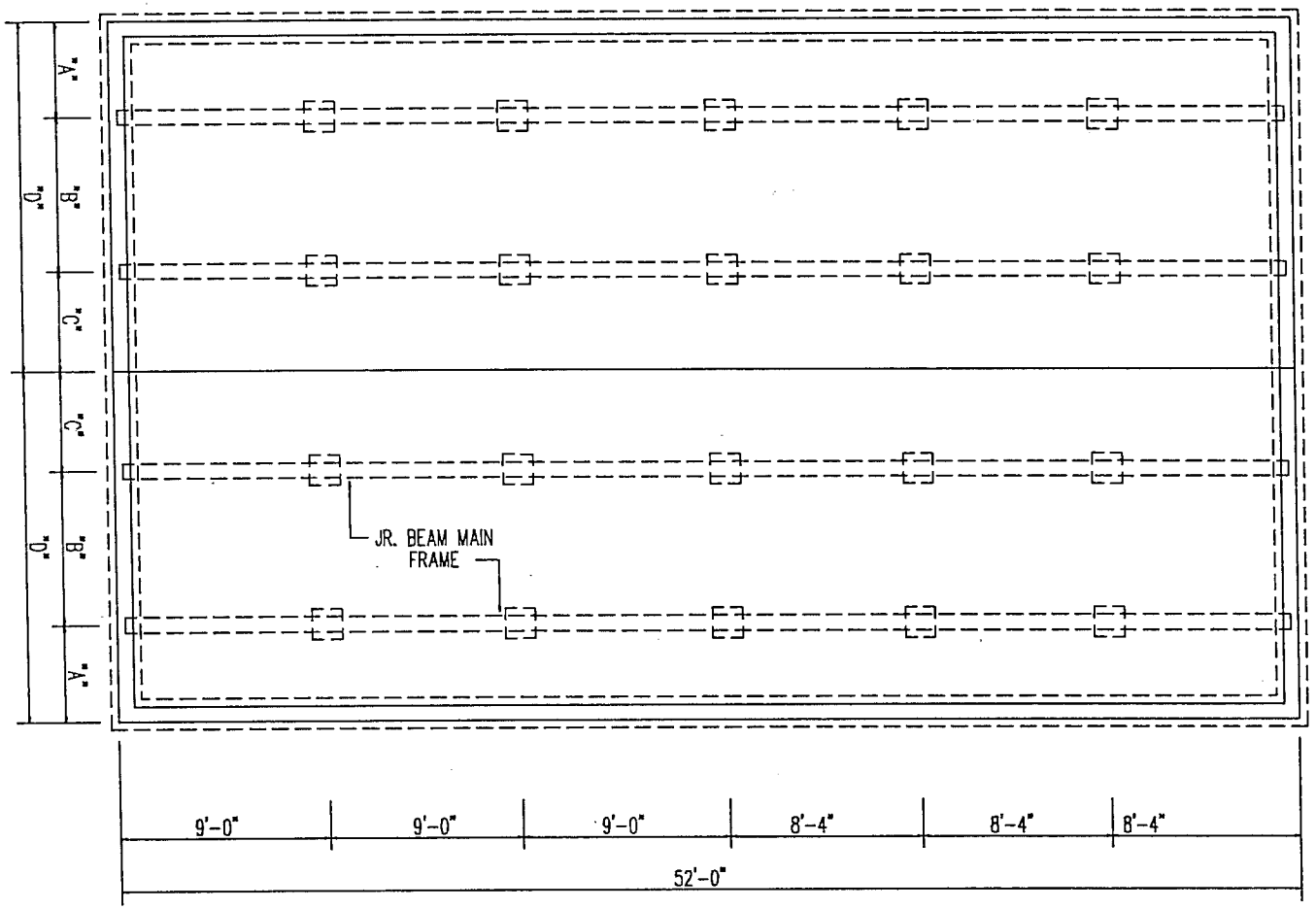
REVISIONS	DATE

DRWG. BY: DJ 2/1/93
CHKD. BY:
SCALE: NOT TO SCALE

-

PIER LOCATIONS – 56'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x56'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x56'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x56'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

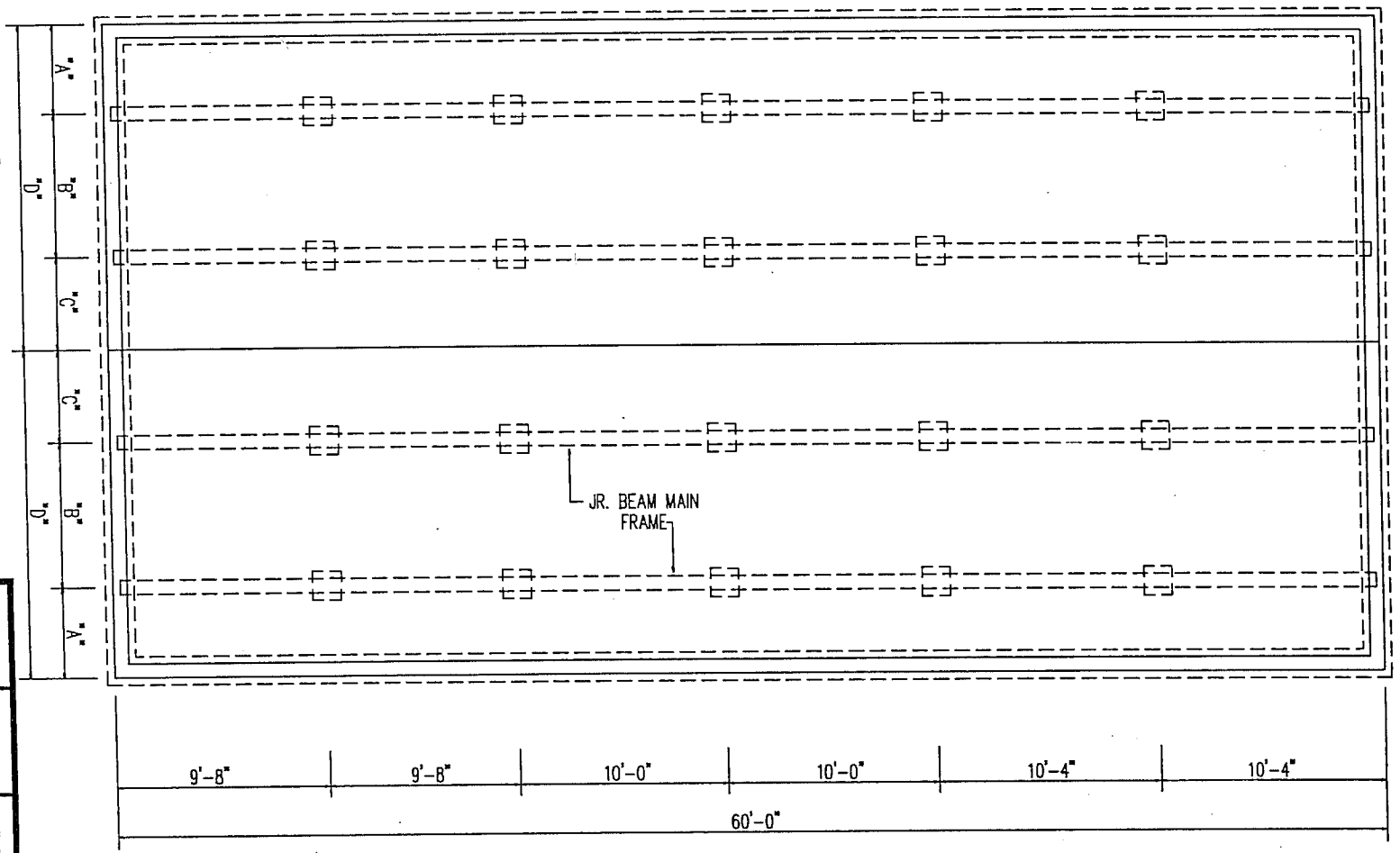
DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

PIER LOCATIONS – 64'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x64'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x64'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x64'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

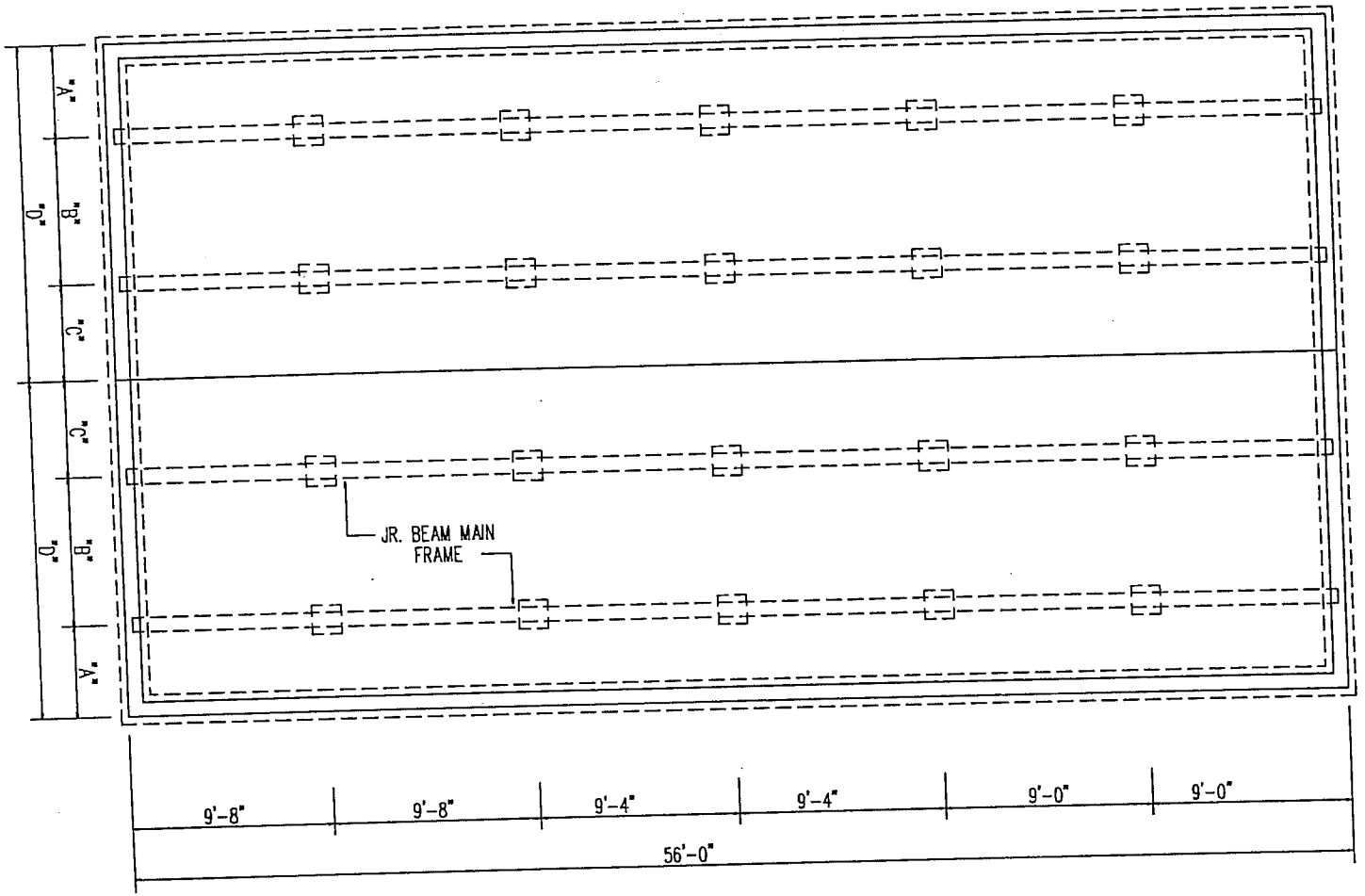
DRWG. BY: DJ 2/2/93

CHKD. BY:

SCALE: NOT TO SCALE

PIER LOCATIONS – 60'D.W.

FRONT



NOTE:

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MODEL	"A"	"B"	"C"	"D"
24'x60'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x60'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x60''	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/1/93

CHKD. BY:

SCALE: NOT TO SCALE

PIER LOCATIONS – 66'D.W.

FRONT

NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAYOUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

MODEL	"A"	"B"	"C"	"D"
24'x66'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x66'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x66'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/2/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

PIER LOCATIONS – 68'D.W.

FRONT

NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

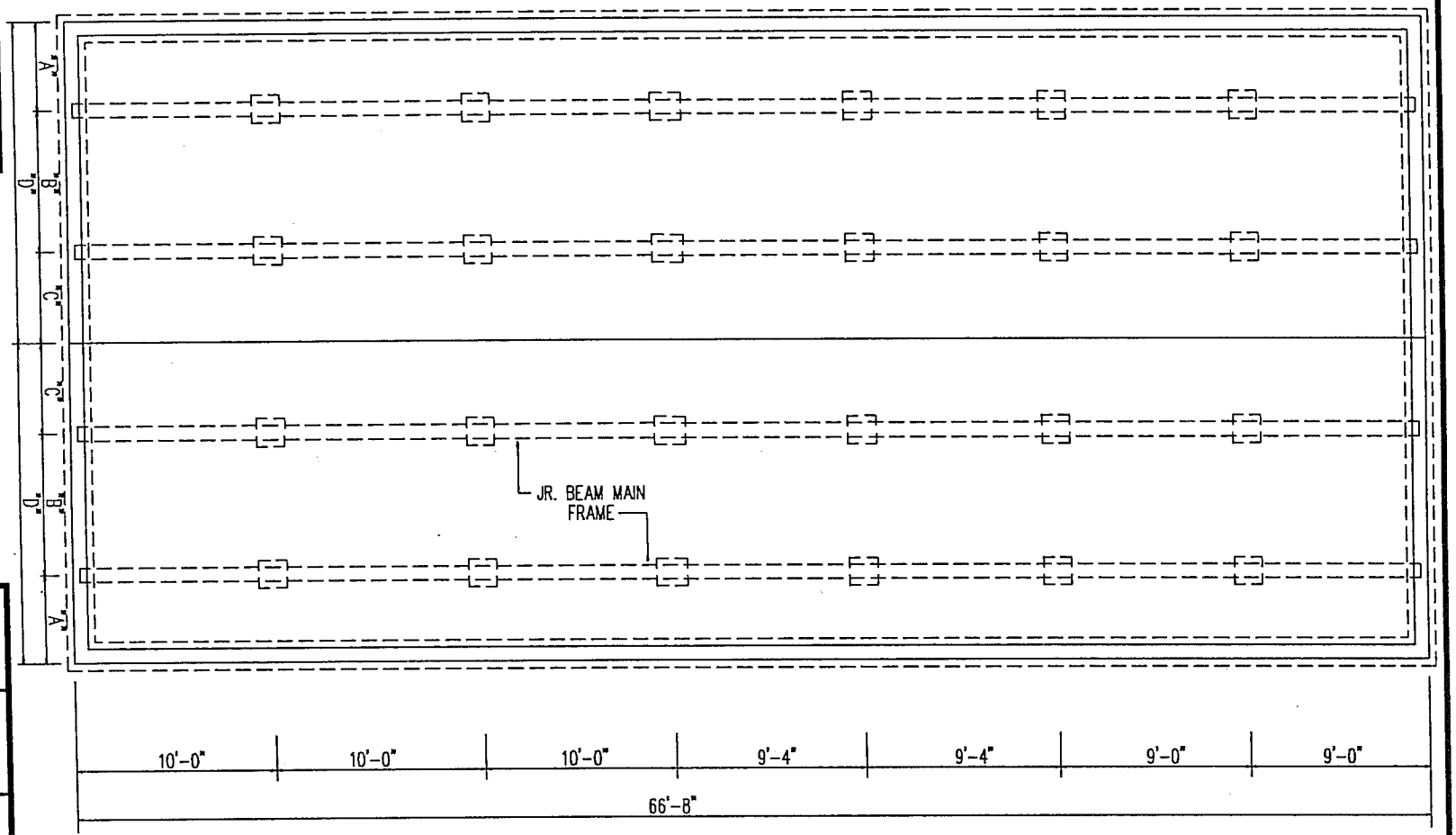
MODEL	"A"	"B"	"C"	"D"
24'x68'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x68'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x68'	35 3/4"	82 1/2"	45 3/4"	13'-8"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2/2/93
CHKD. BY:		
SCALE:	NOT TO SCALE	

PIER LOCATIONS – 70'D.W.

FRONT



NOTE:

DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROX-IMATE!!! FOR AN ACCURATE LOCATION OF PIERS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

MODEL	"A"	"B"	"C"	"D"
24'x70'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x70'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x70'	35 3/4"	82 1/2"	45 3/4"	13'-8"

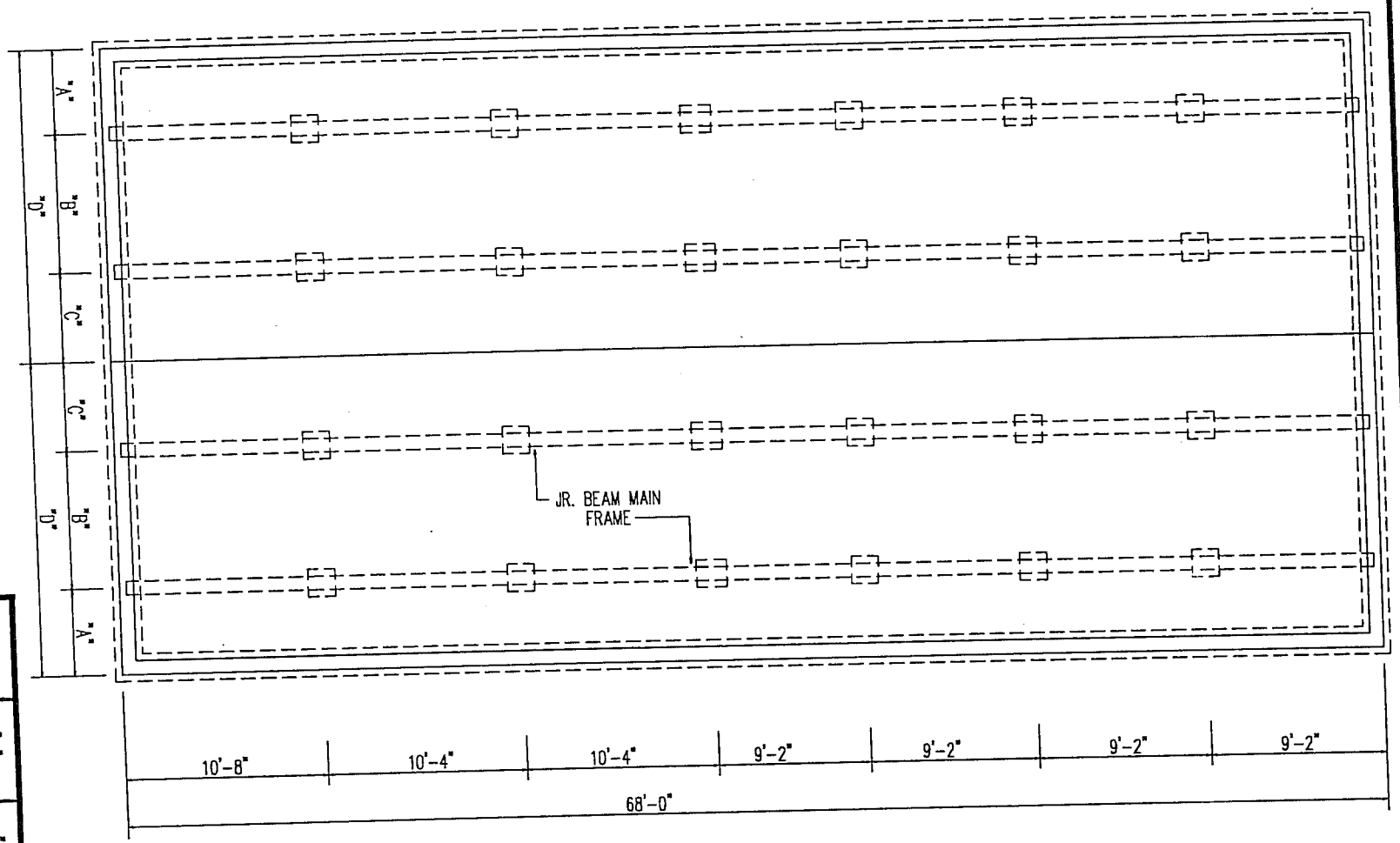
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

PIER LOCATIONS – 72'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x72'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x72'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x72'	35 3/4"	82 1/2"	45 3/4"	13'-8"

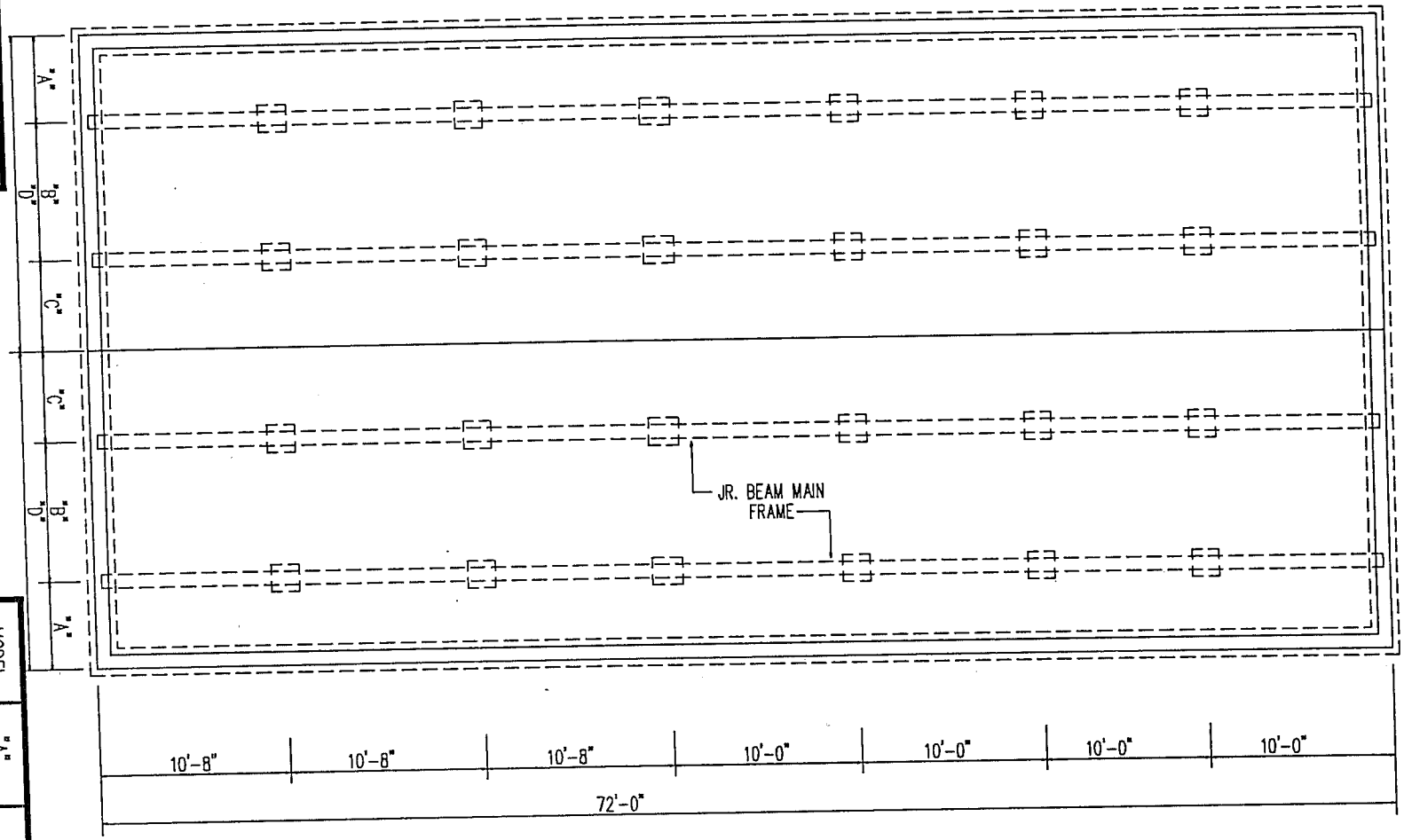
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

PIER LOCATIONS – 76'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x76'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x76'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x76'	35 3/4"	82 1/2"	45 3/4"	13'-8"

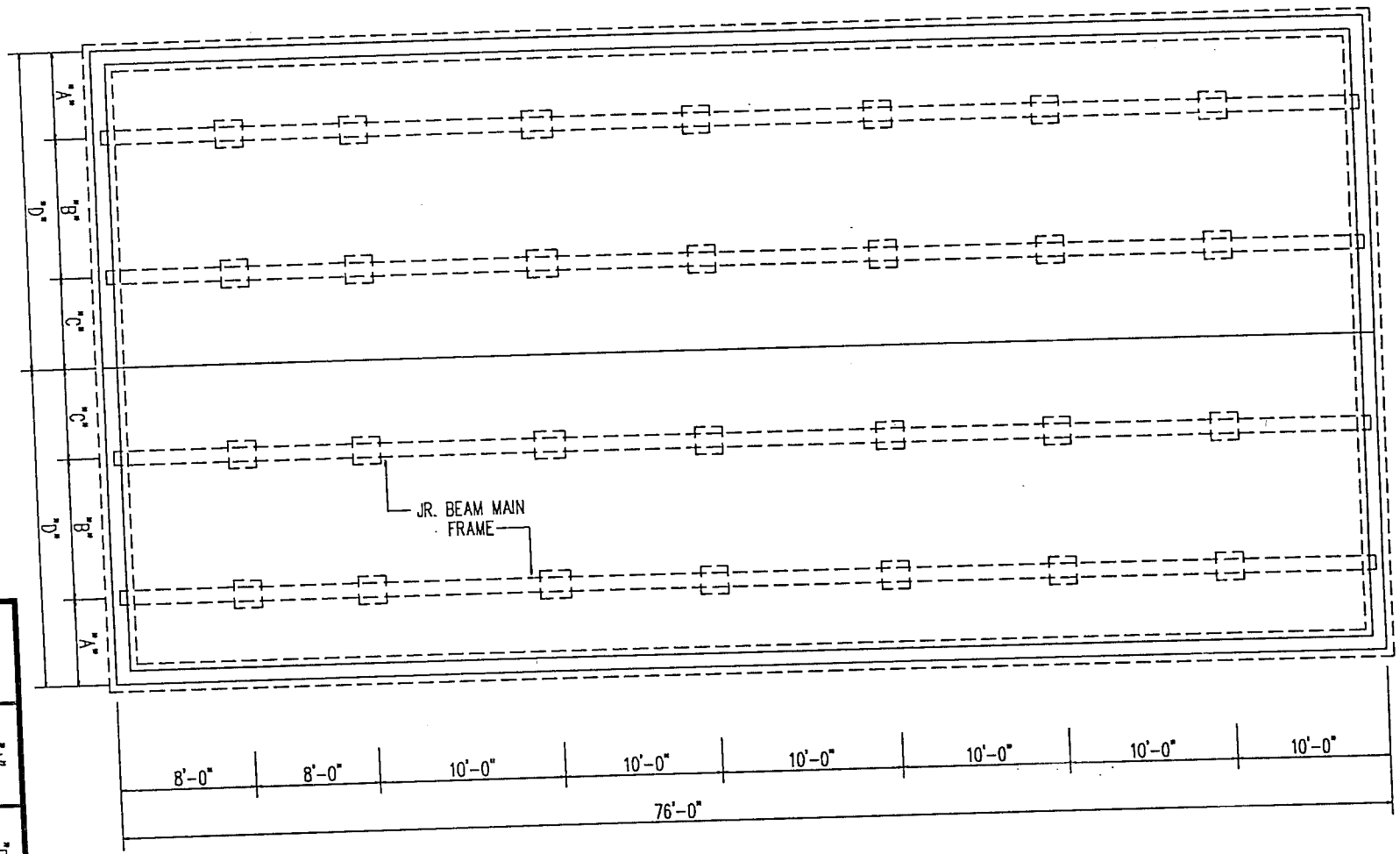
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NOT TO SCALE

PIER LOCATIONS – 80'D.W.

FRONT



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MODEL	"A"	"B"	"C"	"D"
24'x80'	27 3/4"	82 1/2"	33 3/4"	12'-0"
28'x80'	33 3/4"	82 1/2"	43 3/4"	13'-4"
30'x80'	35 3/4"	82 1/2"	45 3/4"	13'-8"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2/2/93

CHKD. BY:

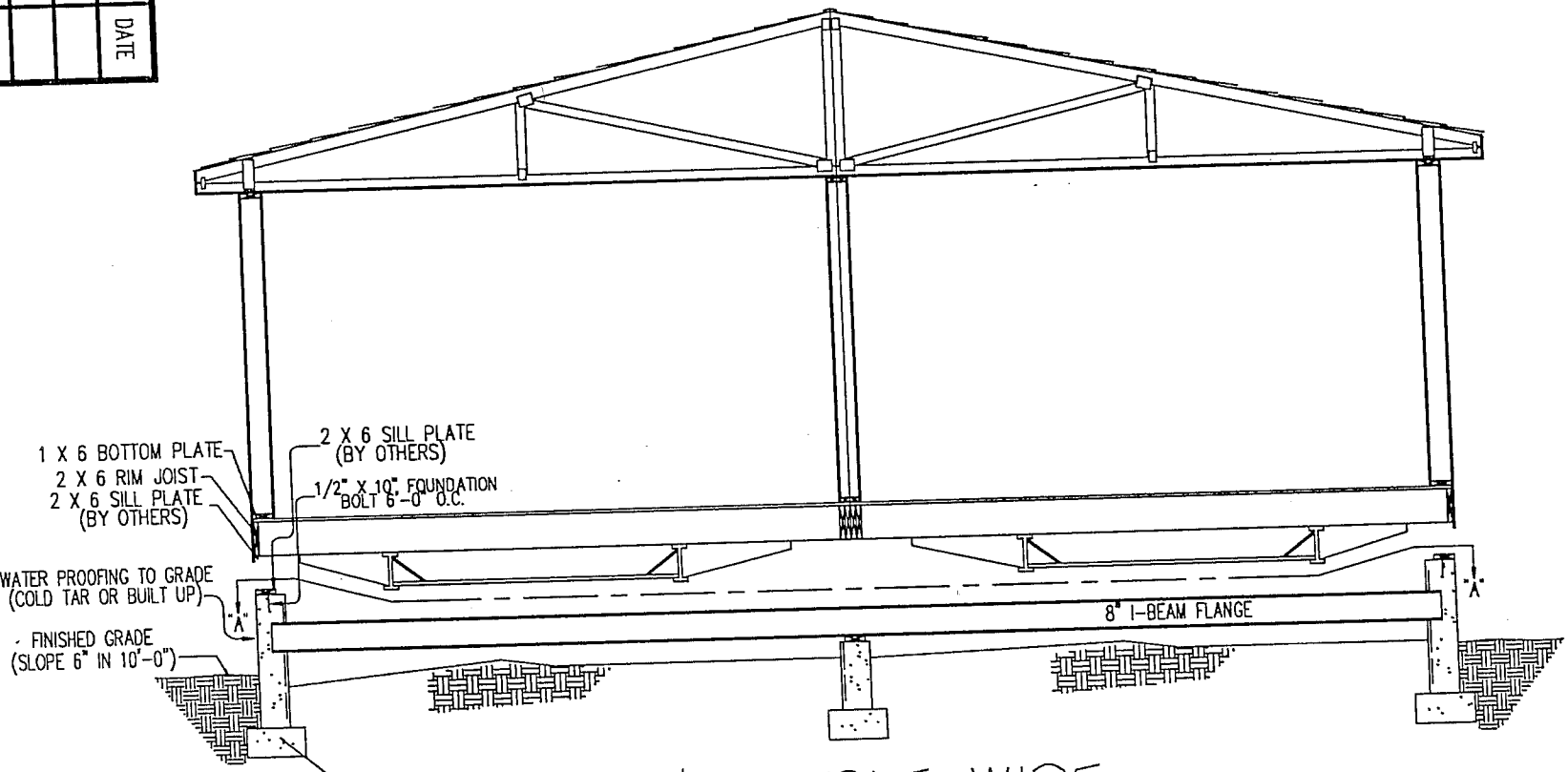
SCALE: NOT TO SCALE

SECTION X

CRAWLSPACE CONSTRUCTION
W/ CROSSBEAM AND PERIMETER FOUNDATION

Double Section Homes

CRAWLSPACE CONSTRUCTION



26' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 24'-0"

● NOTE:

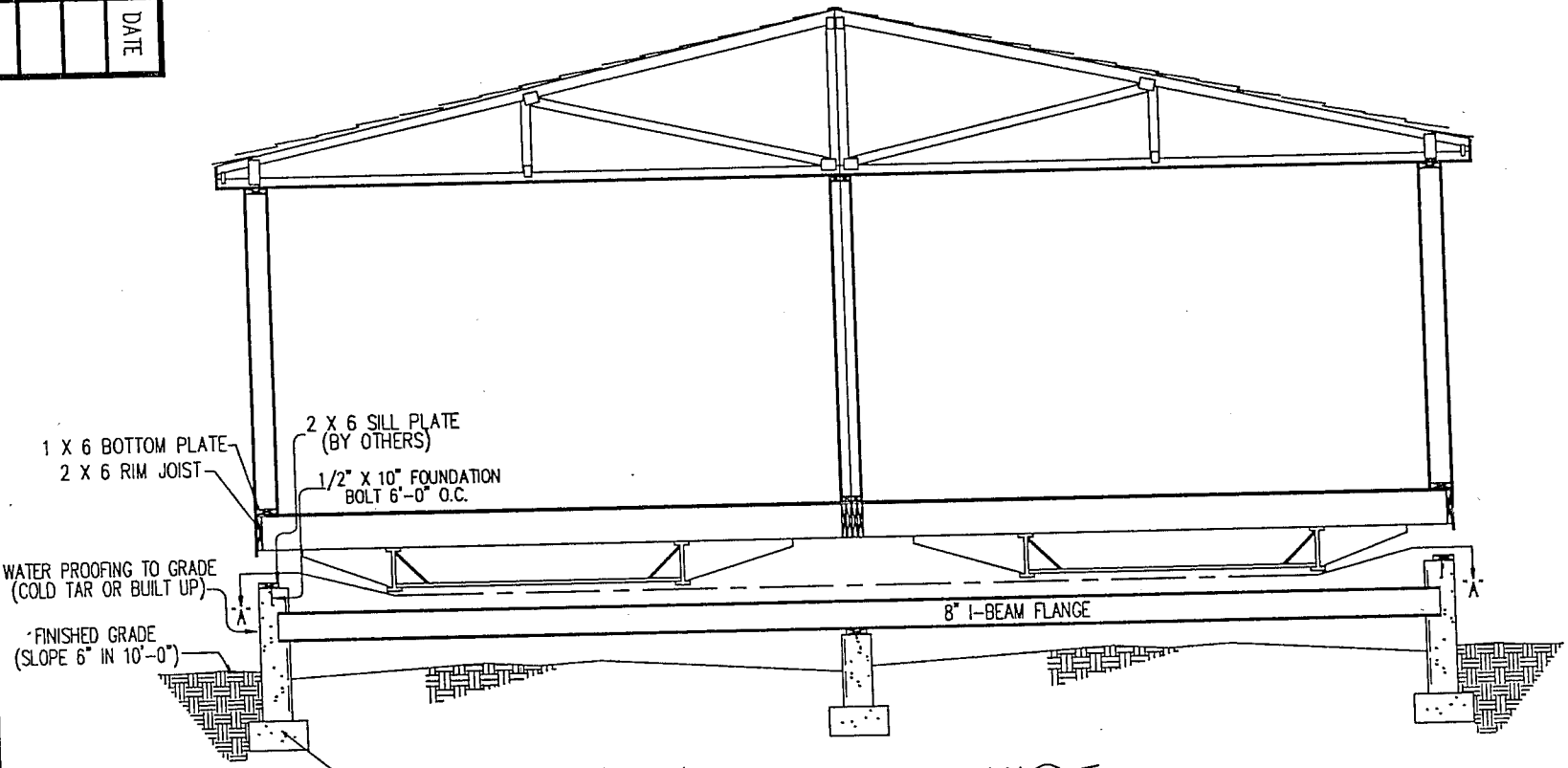
- INFORMATION ONLY; CONSTRUCTION RESPONSIBILITY OF OTHERS.
- FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

REVISIONS | DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

CRAWLSPACE CONSTRUCTION



28' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 26'-8"

● NOTE:

—— INFORMATION ONLY; CONSTRUCTION RESPONSIBILITY OF OTHERS.

—— FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

REVISIONS | DATE

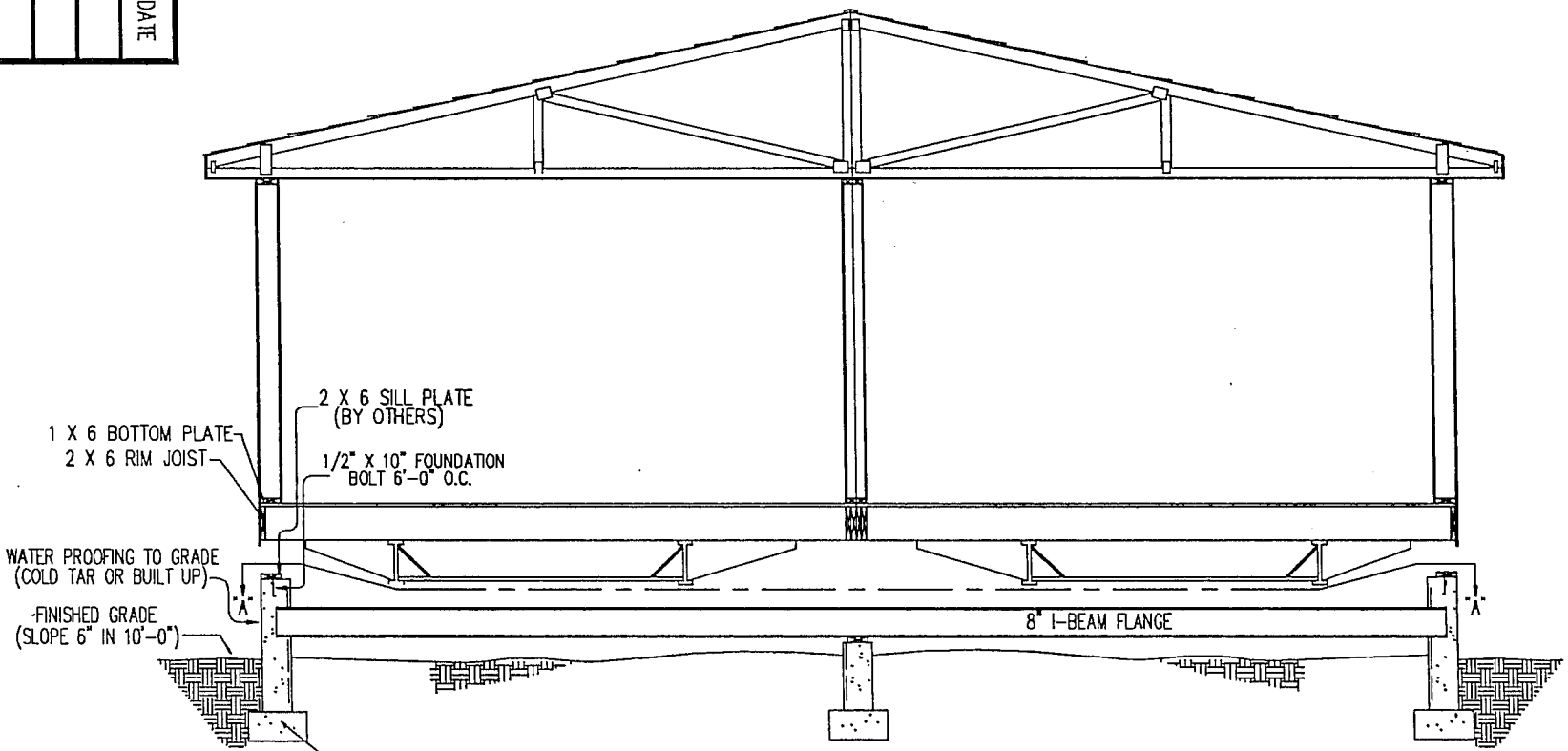
CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

CRAWLSPACE CONSTRUCTION



30' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 27'-4"

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

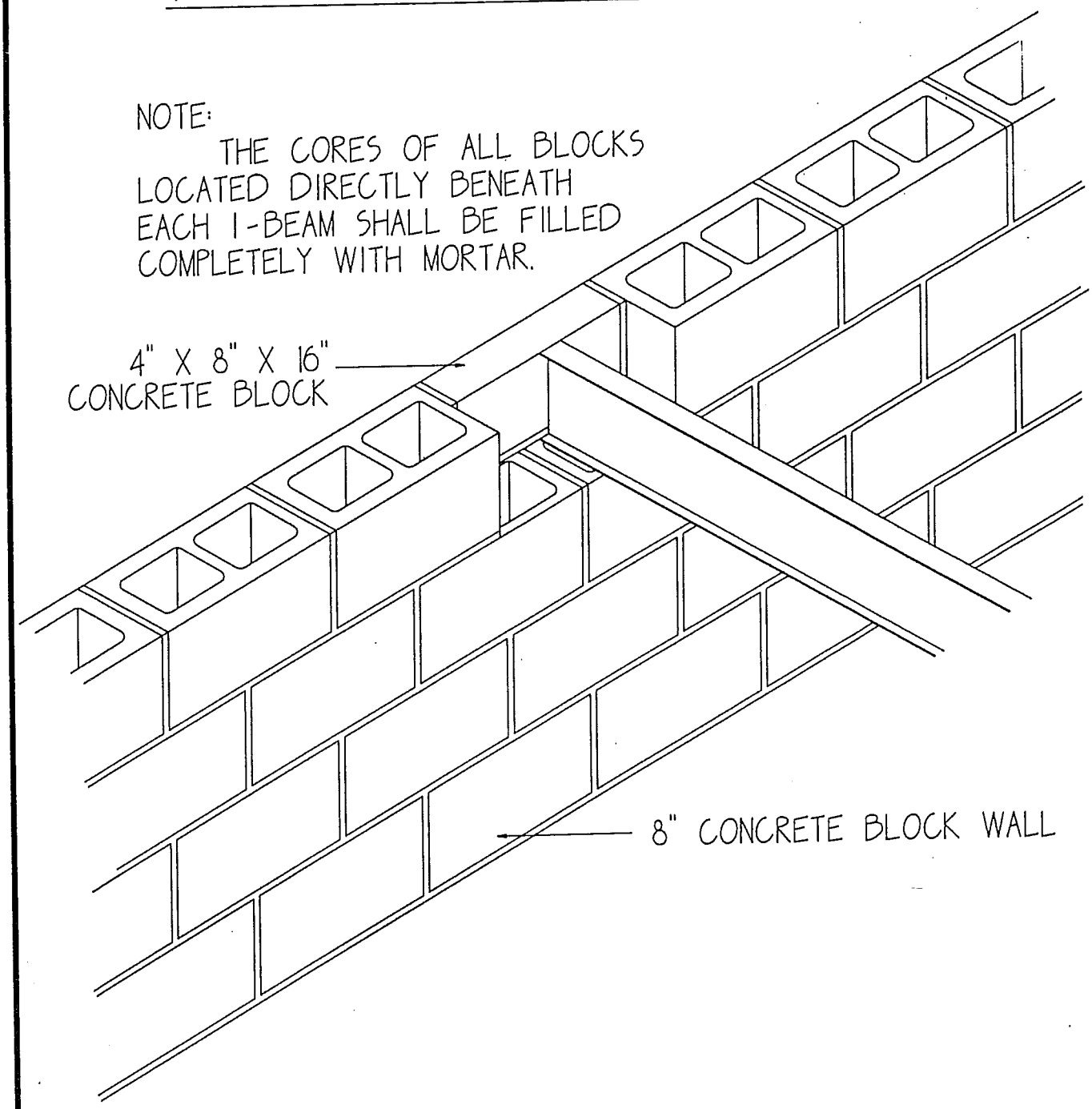
● NOTE:

—— INFORMATION ONLY;
CONSTRUCTION RESPONSIBILITY OF OTHERS.

—— FOUNDATION REQUIREMENTS SUBJECT TO
LOCAL REQUIREMENTS AND APPROVAL.

I-BEAM INSTALLATION DETAIL

NOTE:
THE CORES OF ALL BLOCKS LOCATED DIRECTLY BENEATH EACH I-BEAM SHALL BE FILLED COMPLETELY WITH MORTAR.



REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

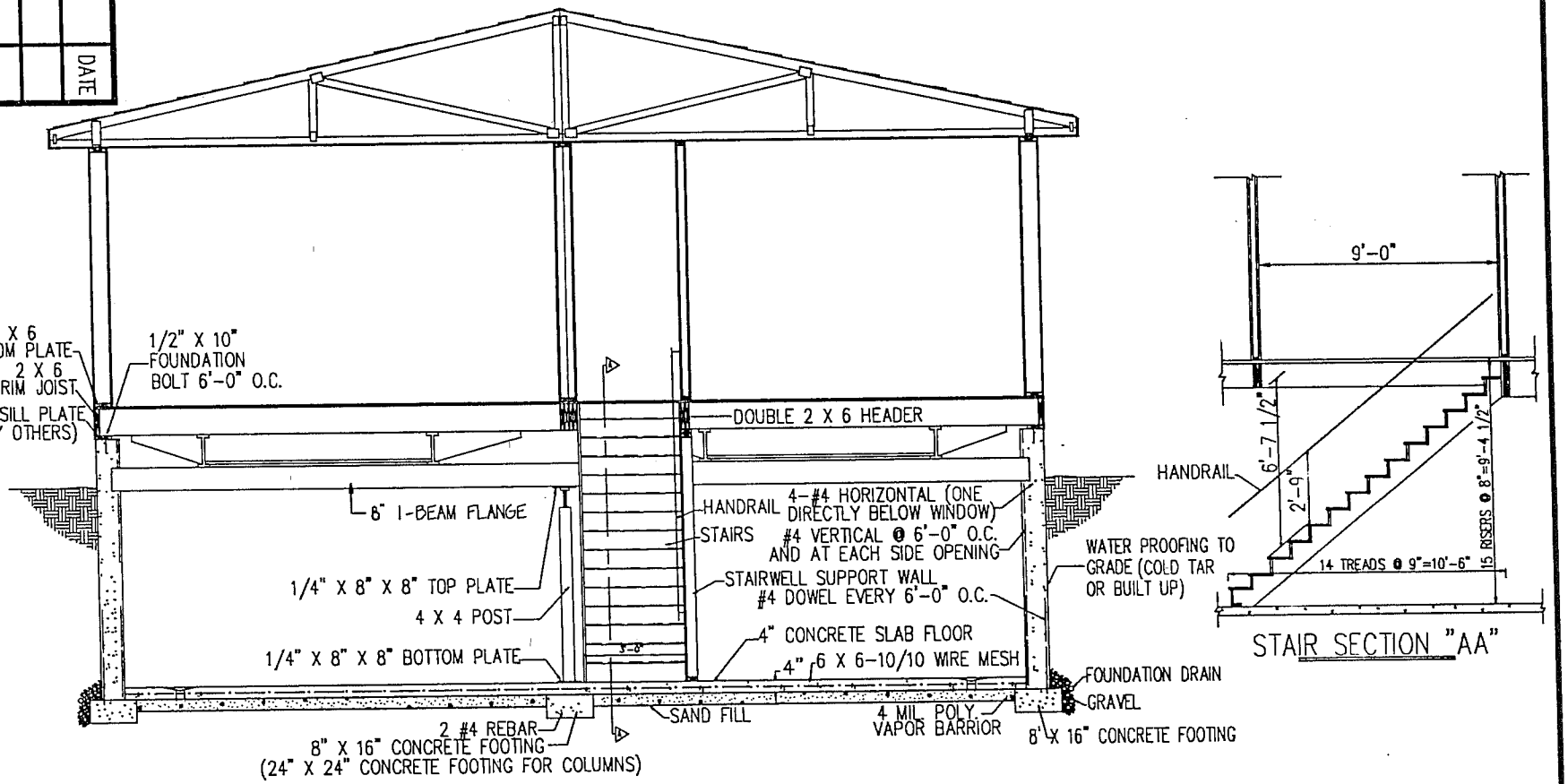
DRWG. BY: DJ 2/2/93
CHKD. BY:
SCALE: NONE

SECTION XI

BASEMENT CONSTRUCTION W/ CROSSBEAM

Double Section Homes

BASEMENT CONSTRUCTION



26' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 24'-0"

● NOTE:

—— INFORMATION ONLY;
CONSTRUCTION RESPONSIBILITY OF OTHERS.

—— FOUNDATION REQUIREMENTS SUBJECT TO
LOCAL REQUIREMENTS AND APPROVAL.

REVISIONS | DATE

CHIEF INDUSTRIES
HOUSING DIVISION

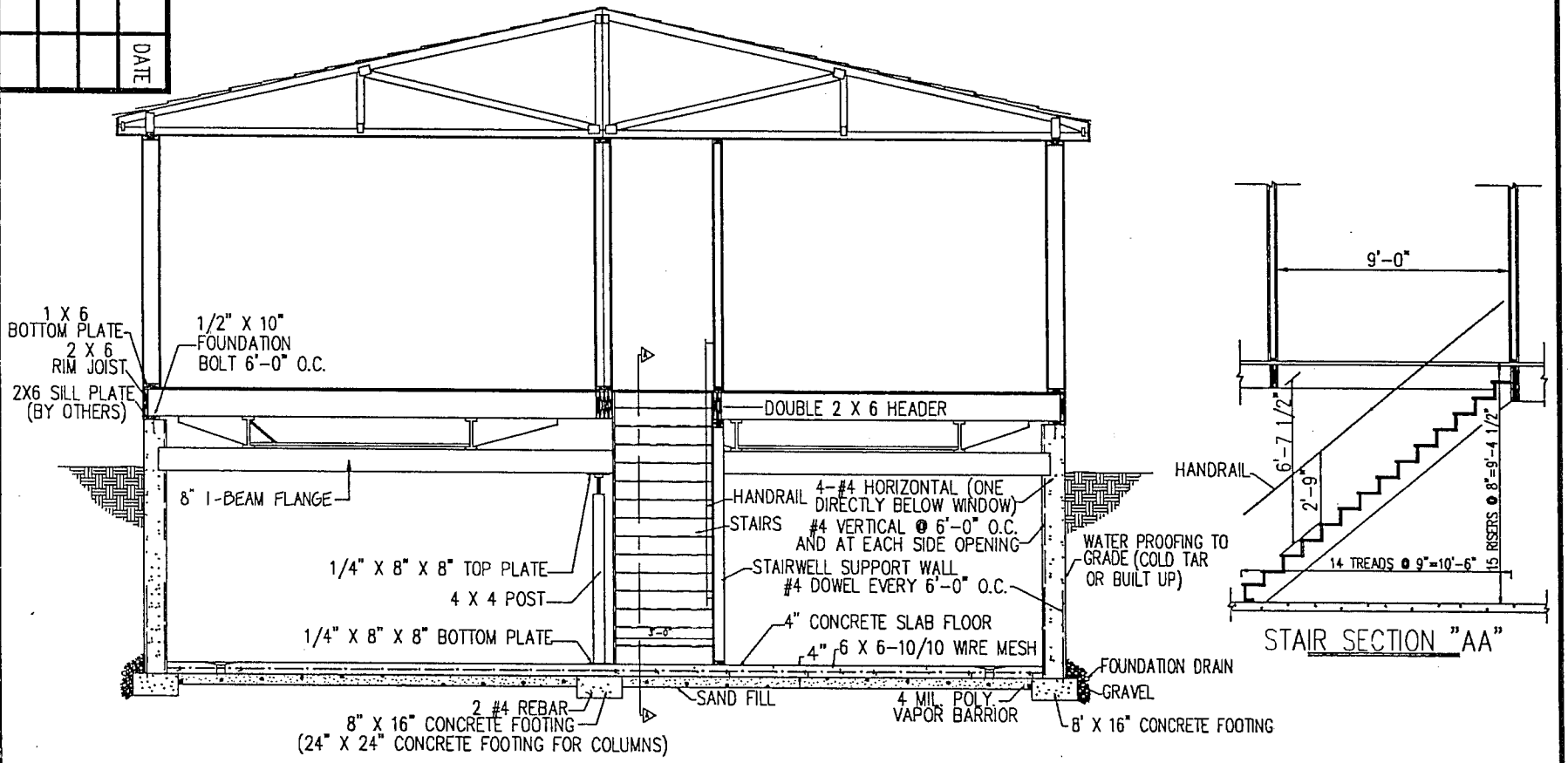
DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
12/16/92

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/2/93

BASEMENT CONSTRUCTION



STAIR SECTION "AA"

28' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 26'-8"

● NOTE:

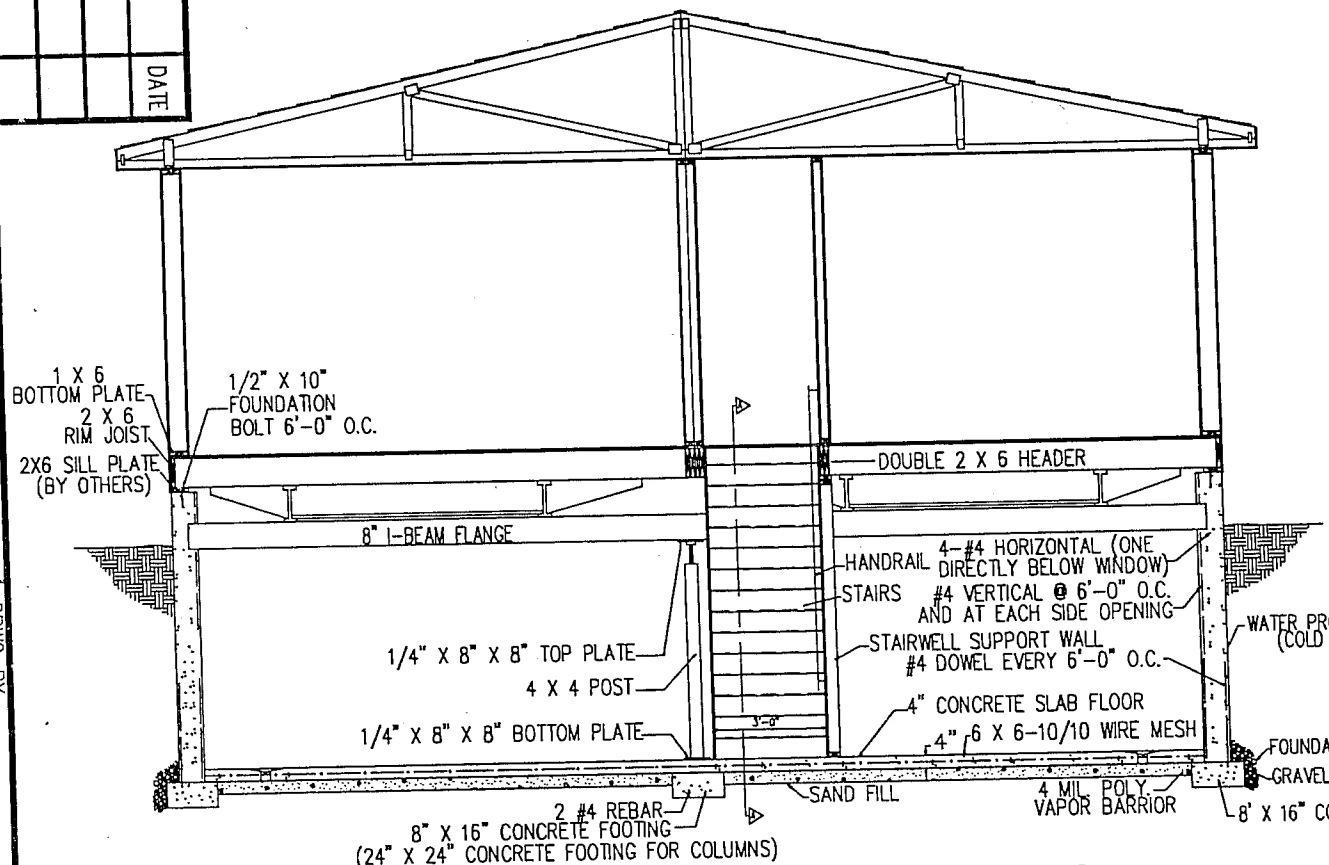
—— INFORMATION ONLY; CONSTRUCTION RESPONSIBILITY OF OTHERS.

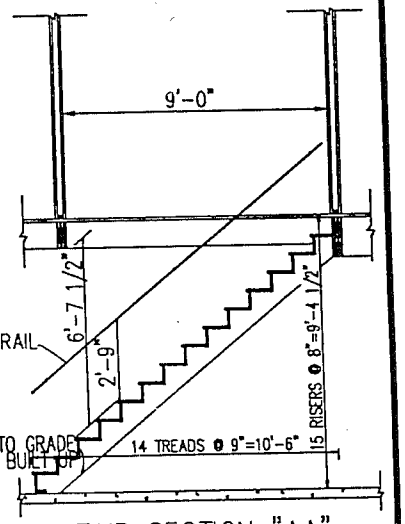
—— FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

BASEMENT CONSTRUCTION





STAIR SECTION "AA"

30' DOUBLE WIDE
ACTUAL FLOOR DIMENSION 27'-4"

● NOTE:

—— INFORMATION ONLY; CONSTRUCTION RESPONSIBILITY OF OTHERS.

—— FOUNDATION REQUIREMENTS SUBJECT TO LOCAL REQUIREMENTS AND APPROVAL.

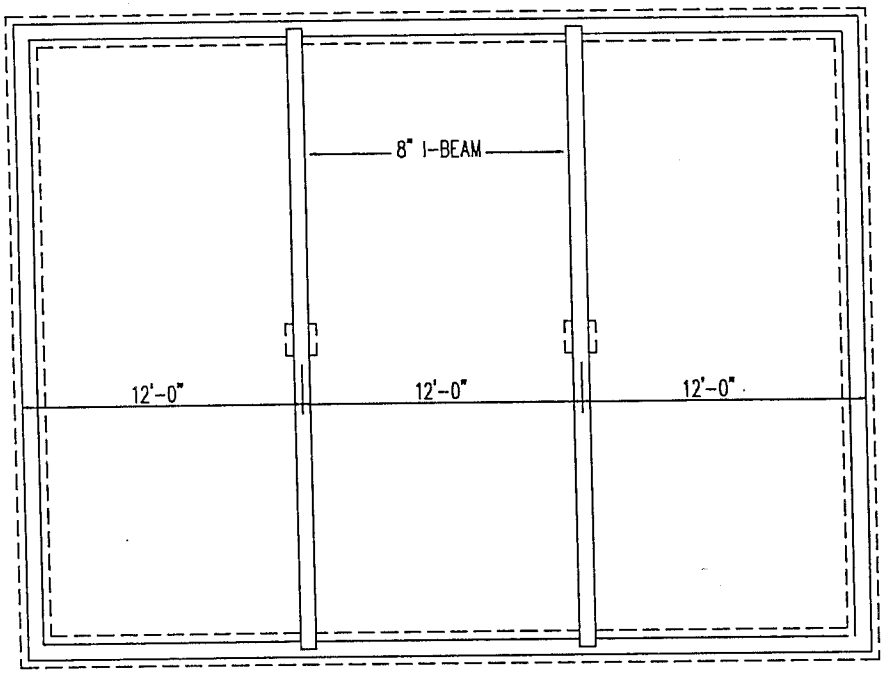
DRWG. BY: DJ
CHKD. BY:
SCALE: NONE
2/3/93

SECTION XII

PERIMETER FOUNDATION W/CROSSBEAM

Double Section Homes

I-BEAM LOCATION - 40' D.W.



NOTE:

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I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
36'-0"	12'-0"	24'-1"	23'-5"
36'-0"	12'-0"	26'-9"	26'-1"
36'-0"	12'-0"	27'-5"	26'-9"

CHIEF INDUSTRIES

HOUSING DIVISION

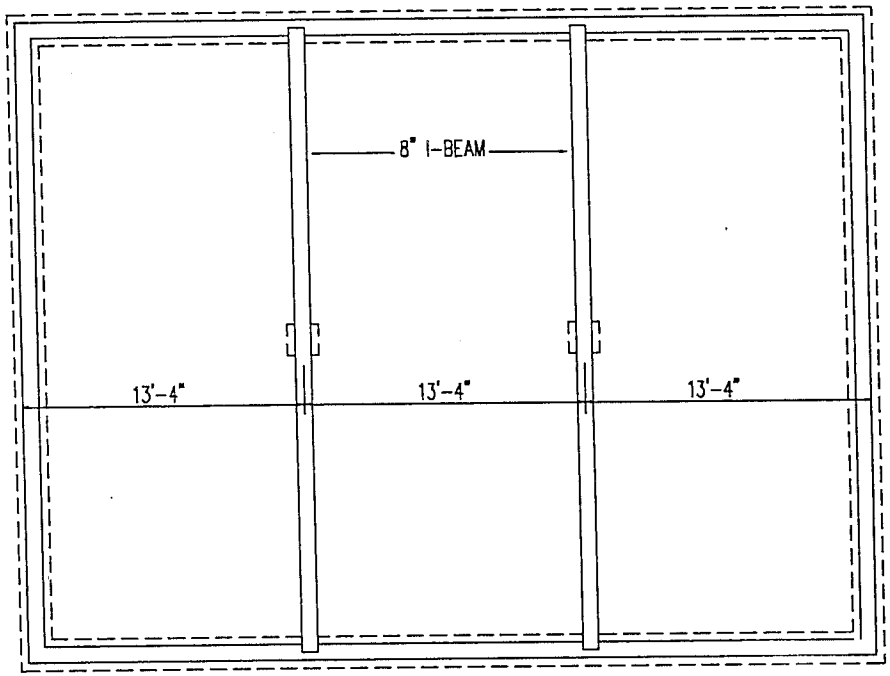
REVISIONS	DATE

DRWG. BY: DJ 2-3-93

CHKD. BY:

SCALE: NOT TO SCALE

I-BEAM LOCATION – 44' D.W.



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I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
40'-0"	13'-4"	24'-1"	23'-5"
40'-0"	13'-4"	26'-9"	26'-1"
40'-0"	13'-4"	27'-5"	26'-9"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2-3-93
CHKD. BY:
SCALE: NOT TO SCALE

I-BEAM LOCATION - 48' D.W.

NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF BEAMS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

REVISIONS	DATE

I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
44'-0"	11'-0"	24'-1"	23'-5"
44'-0"	11'-0"	26'-9"	26'-1"
44'-0"	11'-0"	27'-5"	26'-9"

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2-3-93
CHKD. BY:		
SCALE:	NOT TO SCALE	

I-BEAM LOCATION - 52' D.W.

NOTE:
DUE TO CHANGES IN FLOOR PLANS AND MOVEMENT OF SERVICE LOCATIONS PLEASE BE ADVISED THESE DIMENSIONS ARE APPROXIMATE!!! FOR AN ACCURATE LOCATION OF BEAMS, PLEASE NOTIFY CHIEF INDUSTRIES AND THEY WILL SEND YOU A SUGGESTED LAY-OUT OF THE PIERS THAT WILL BE NEEDED FOR A PARTICULAR HOME.

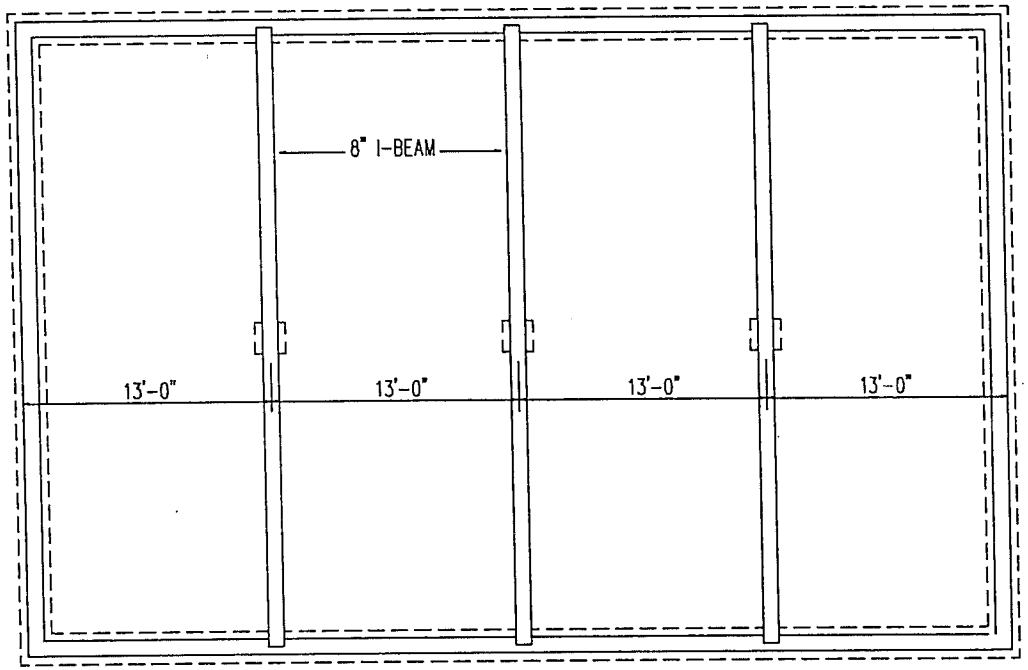
I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
48'-0"	12'-0"	24'-1"	23'-5"
48'-0"	12'-0"	26'-9"	26'-1"
48'-0"	12'-0"	27'-5"	26'-9"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ	2-3-93
CHKD. BY:		
SCALE:	NOT TO SCALE	

I-BEAM LOCATION – 56' D.W.



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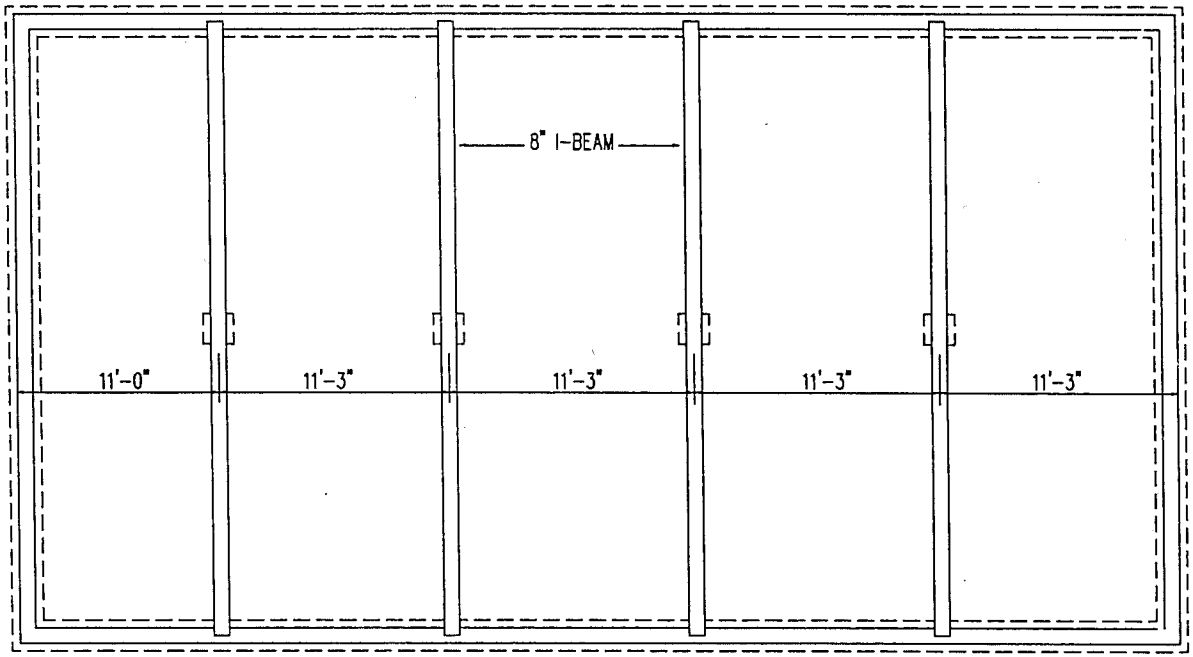
I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
52'-0"	13'-0"	24'-1"	23'-5"
52'-0"	13'-0"	26'-9"	26'-1"
52'-0"	13'-0"	27'-5"	26'-9"

CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2-3-93
CHKD. BY:
SCALE: NOT TO SCALE

I-BEAM LOCATION - 60' D.W.



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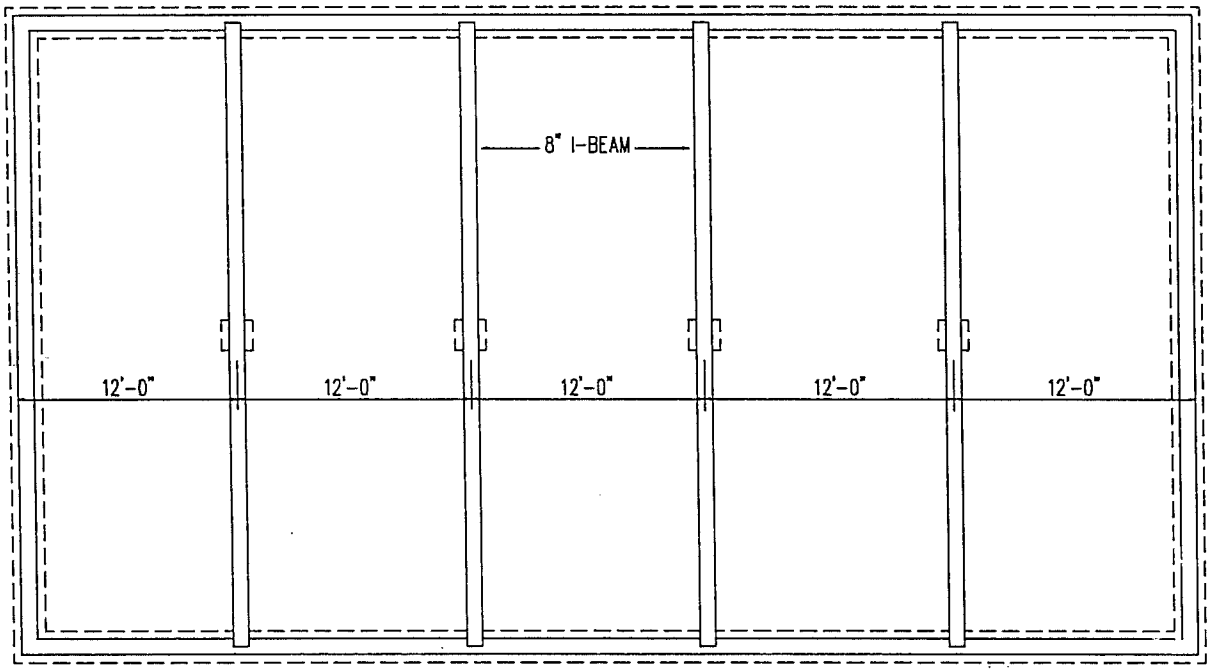
I-BEAM SPACING			I-BEAM LENGTH
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
56'-0"	SEE PLAN VIEW	27'-5"	26'-9"
56'-0"	SEE PLAN VIEW	26'-9"	26'-1"
56'-0"	SEE PLAN VIEW	24'-1"	23'-5"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2-3-93
CHKD. BY:
SCALE: NOT TO SCALE

I-BEAM LOCATION - 64' D.W.



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I-BEAM LENGTH		I-BEAM SPACING	
BOX WIDTH	LENGTH	SPACING (℄ TO ℄)	BOX LENGTH
24'-1"	23'-5"	12'-0"	60'-0"
26'-9"	26'-1"	12'-0"	60'-0"
27'-5"	26'-9"	12'-0"	60'-0"

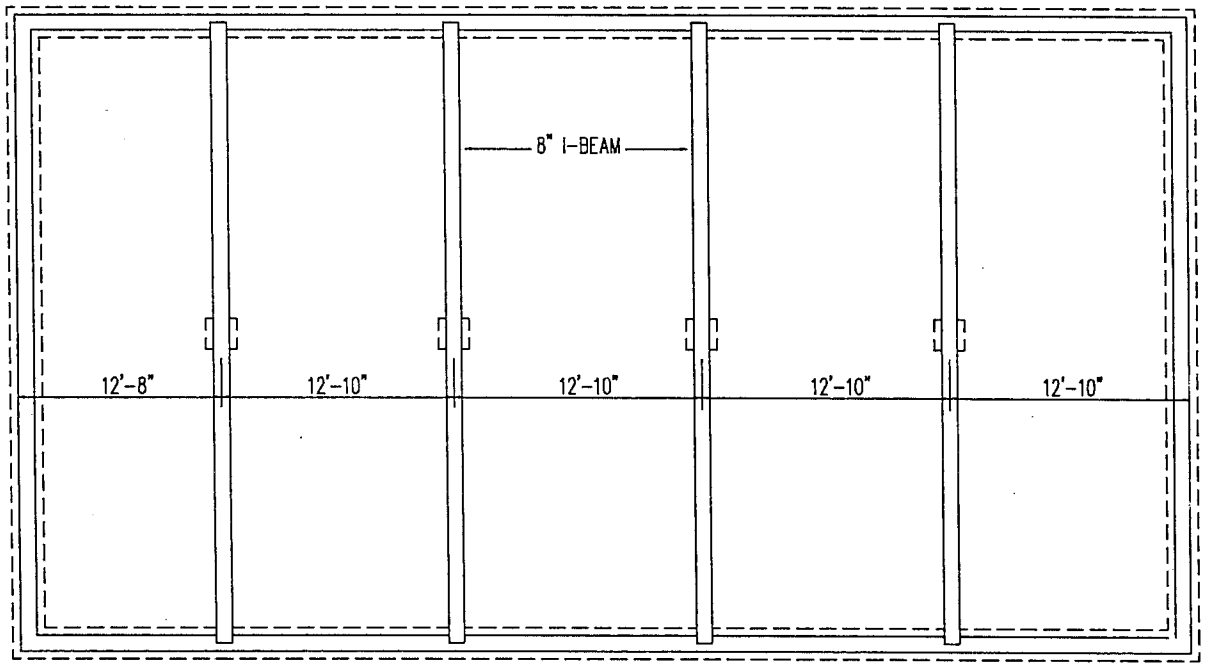
CHIEF INDUSTRIES
HOUSING DIVISION

REVISIONS	DATE

DRWG. BY: DJ 2-3-93
CHKD. BY:
SCALE: NOT TO SCALE

-

I-BEAM LOCATION - 68' D.W.



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I-BEAM SPACING		I-BEAM LENGTH
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
64'-0"	SEE PLAN VIEW	27'-5"	26'-9"
64'-0"	SEE PLAN VIEW	26'-9"	26'-1"
64'-0"	SEE PLAN VIEW	24'-1"	23'-5"

REVISIONS	DATE

CHIEF INDUSTRIES

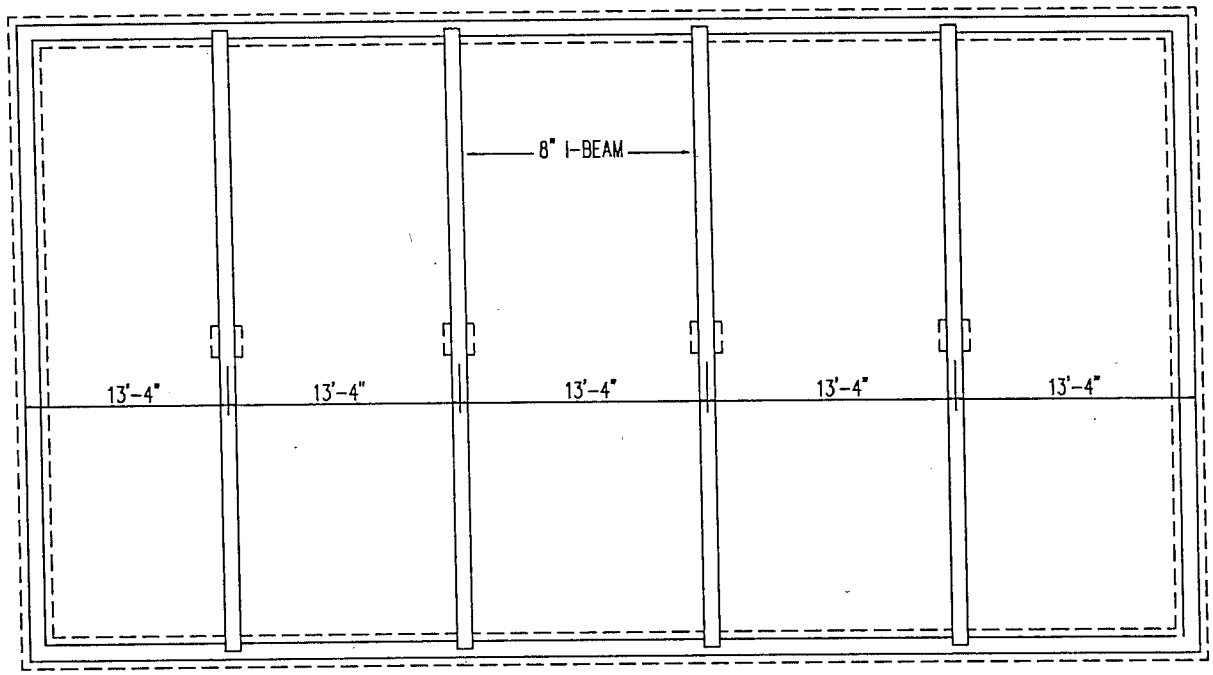
HOUSING DIVISION

DRWG. BY: DJ 2-3-93

CHKD. BY:

SCALE: NOT TO SCALE

I-BEAM LOCATION – 70' D.W.



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I-BEAM SPACING		I-BEAM LENGTH
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
66'-8"	13'-4"	24'-1"	23'-5"
66'-8"	13'-4"	26'-9"	26'-1"
66'-8"	13'-4"	27'-5"	26'-9"

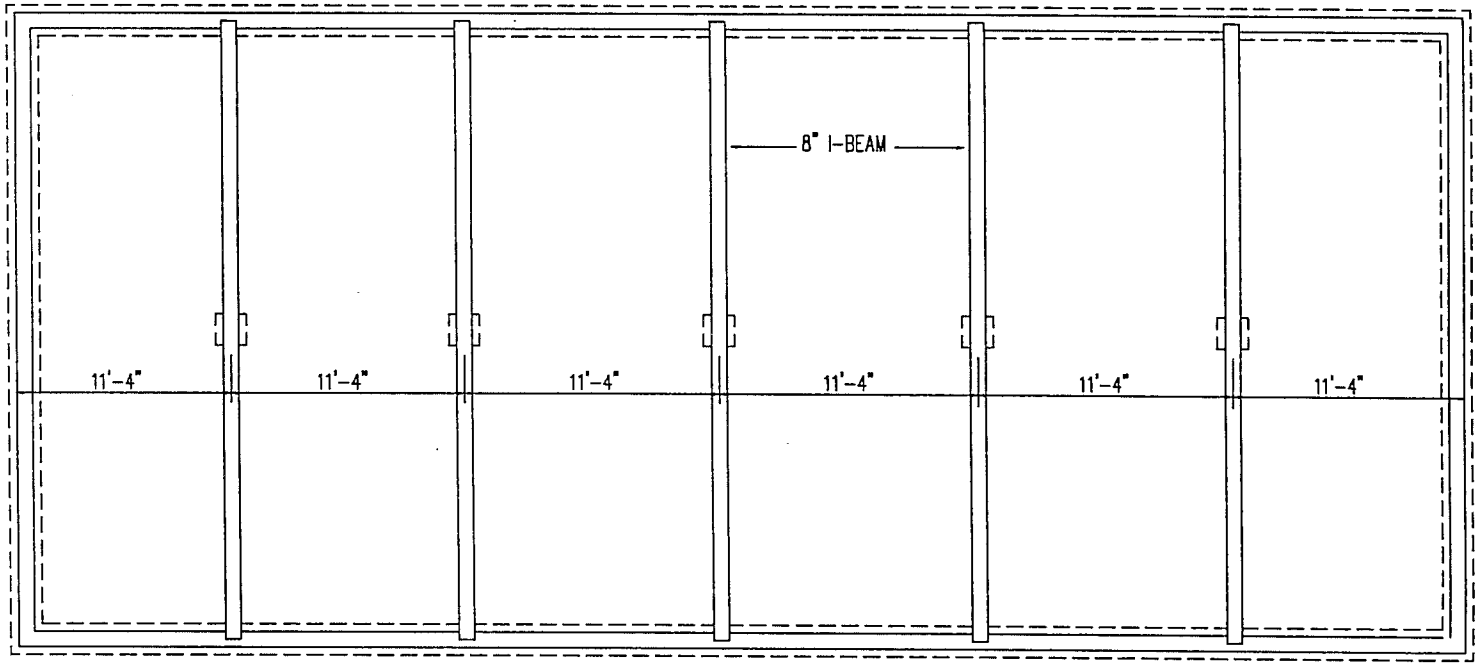
REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY:	DJ
CHKD. BY:	
SCALE:	NOT TO SCALE

2-3-93

I-BEAM LOCATION - 72' D.W.



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I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
68'-0"	11'-4"	27'-5"	26'-9"
68'-0"	11'-4"	26'-9"	26'-1"
68'-0"	11'-4"	24'-1"	23'-5"

REVISIONS	DATE

CHIEF INDUSTRIES

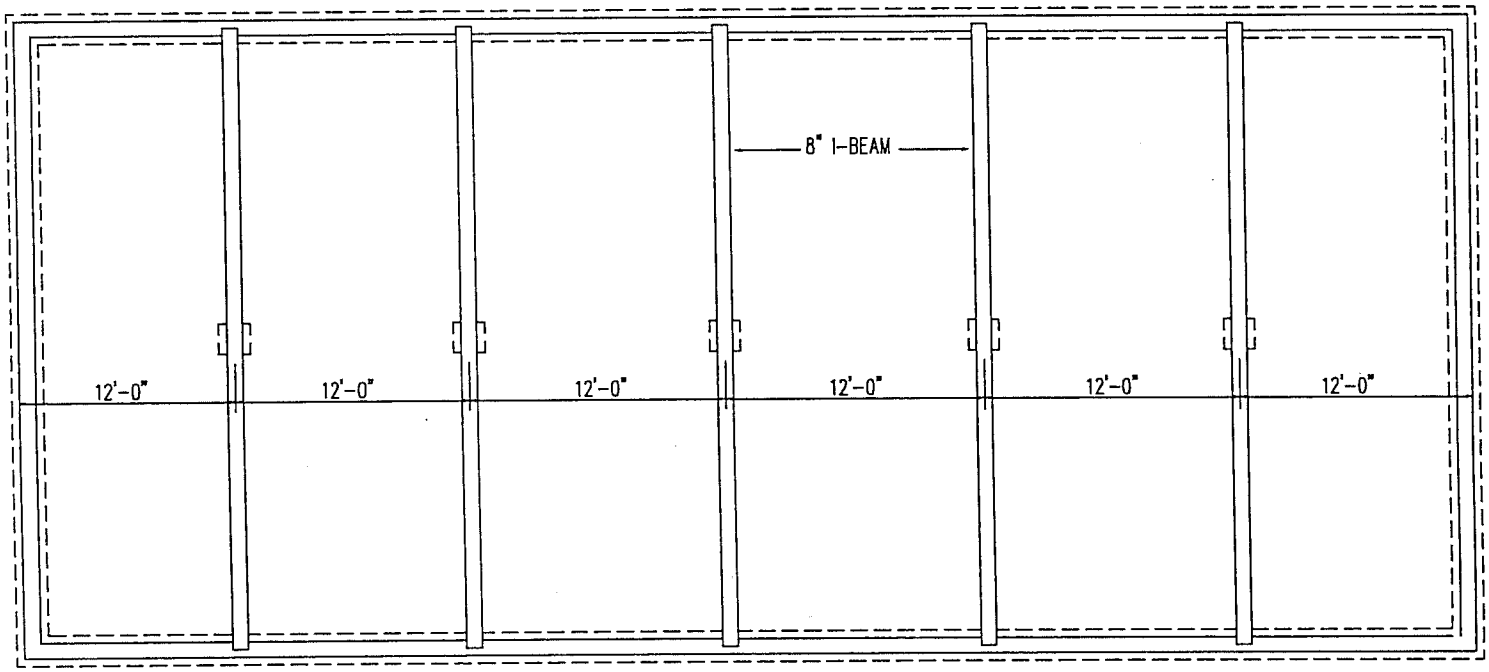
HOUSING DIVISION

DRWG. BY: DJ 2-3-93

CHKD. BY:

SCALE: NOT TO SCALE

I-BEAM LOCATION - 76' D.W.



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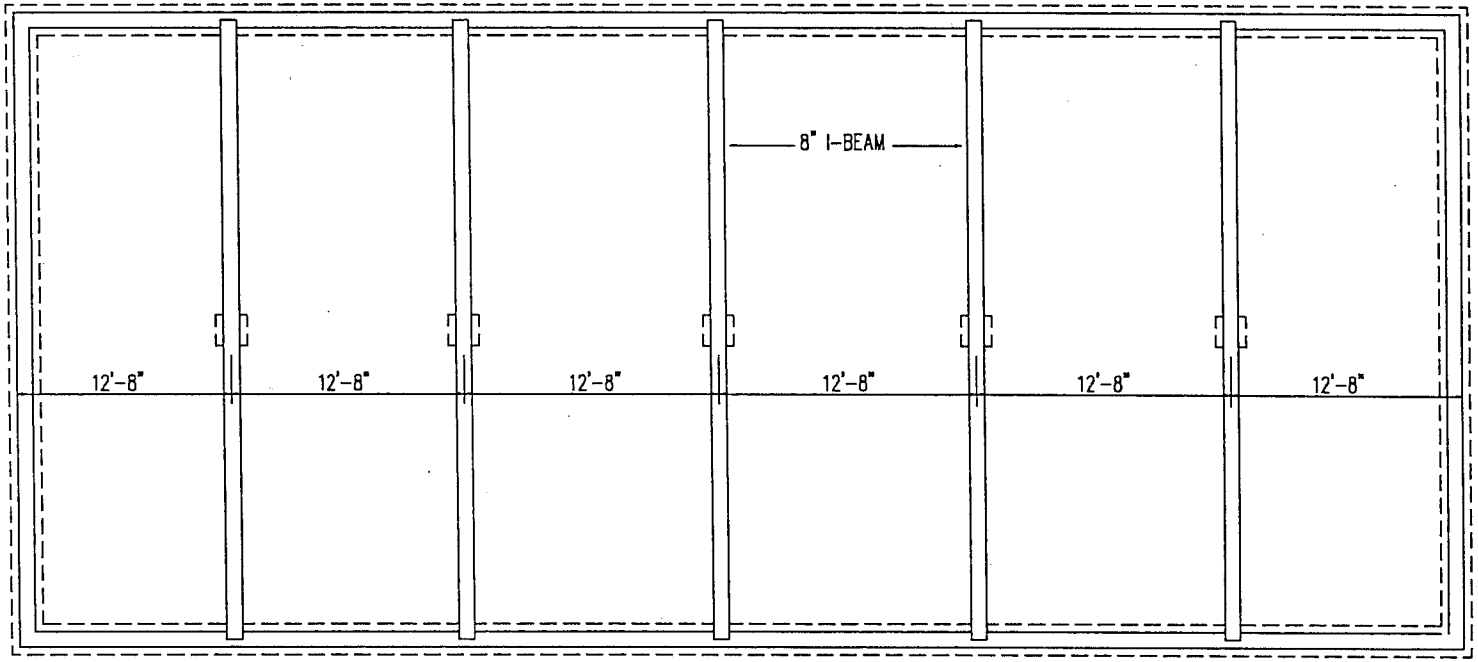
I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
72'-0"	12'-0"	24'-1"	23'-5"
72'-0"	12'-0"	26'-9"	26'-1"
72'-0"	12'-0"	27'-5"	26'-9"

REVISIONS	DATE

CHIEF INDUSTRIES
HOUSING DIVISION

DRWG. BY: DJ 2-3-93
CHKD. BY:
SCALE: NOT TO SCALE

I-BEAM LOCATION - 80' D.W.



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I-BEAM SPACING		I-BEAM LENGTH	
BOX LENGTH	SPACING (℄ TO ℄)	BOX WIDTH	LENGTH
76'-0"	12'-8"	24'-1"	23'-5"
76'-0"	12'-8"	26'-9"	26'-1"
76'-0"	12'-8"	27'-5"	26'-9"

REVISIONS	DATE

CHIEF INDUSTRIES

HOUSING DIVISION

DRWG. BY: DJ 2-3-93

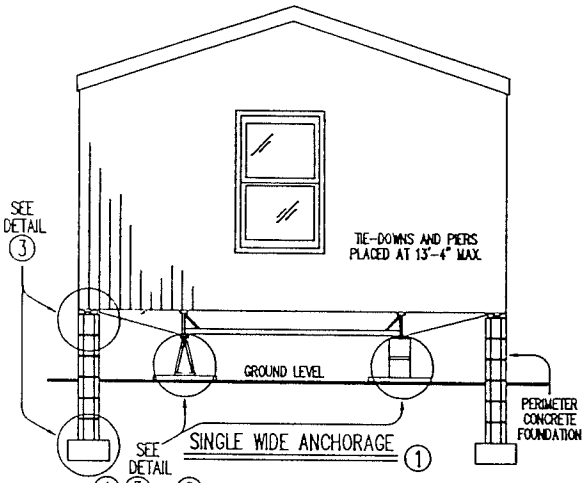
CHKD. BY:

SCALE: NOT TO SCALE

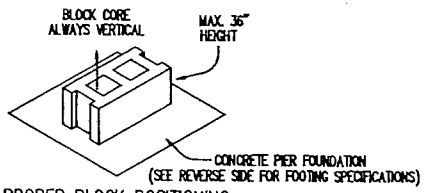
SECTION XIII

TYPICAL ANCHORAGE & FOOTINGS INSTRUCTIONS

Double Section Homes



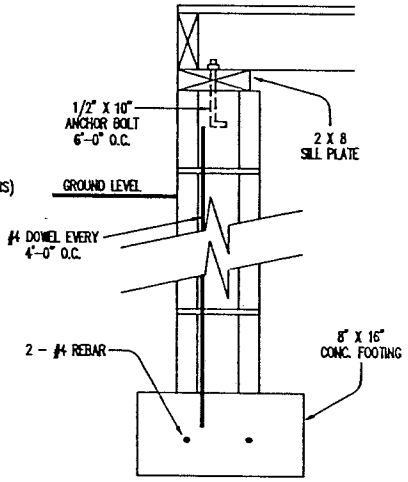
SINGLE WIDE ANCHORAGE (1)



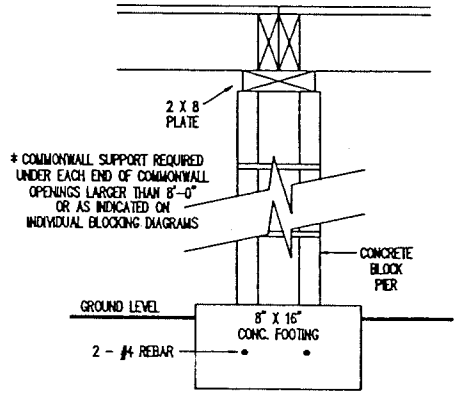
PROPER BLOCK POSITIONING (4)

PLATES AND SHIMS:

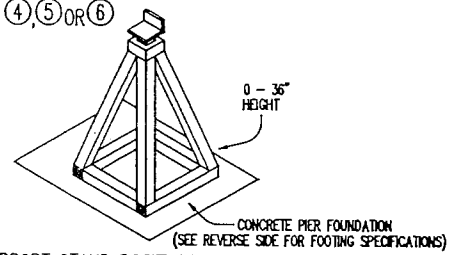
A WOOD PLATE NOT EXCEEDING 2" IN THICKNESS AND SHIMS TO EXCEEDING 1" IN THICKNESS SHALL BE PERMITTED TO BE USED TO FILL ANY GAP BETWEEN THE TOP OF THE PIER AND THE MAIN FRAME. TWO INCH OR 4" SOLID CONCRETE BLOCKS SHALL BE PERMITTED TO BE USED TO FILL THE REMAINDER OF ANY GAP. SHIMS SHALL BE AT LEAST NOMINAL 4" WIDE AND 6" LONG AND SHALL BE FITTED AND DRIVEN TIGHT BETWEEN THE WOOD PLATE OR PIER AND MAIN FRAME



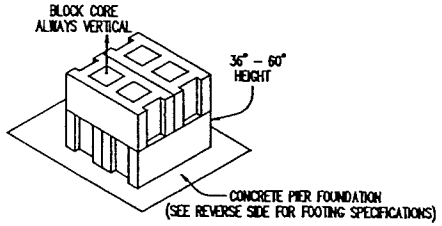
SECTION THROUGH PERIMETER (3)



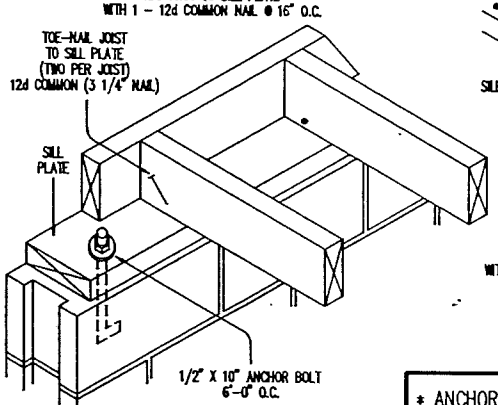
SECTION THROUGH CENTER SUPPORT (7)



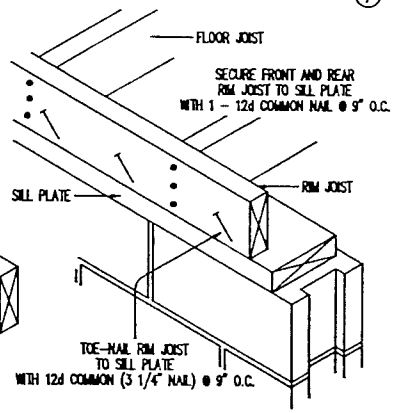
PROPER SUPPORT STAND POSITIONING (6)



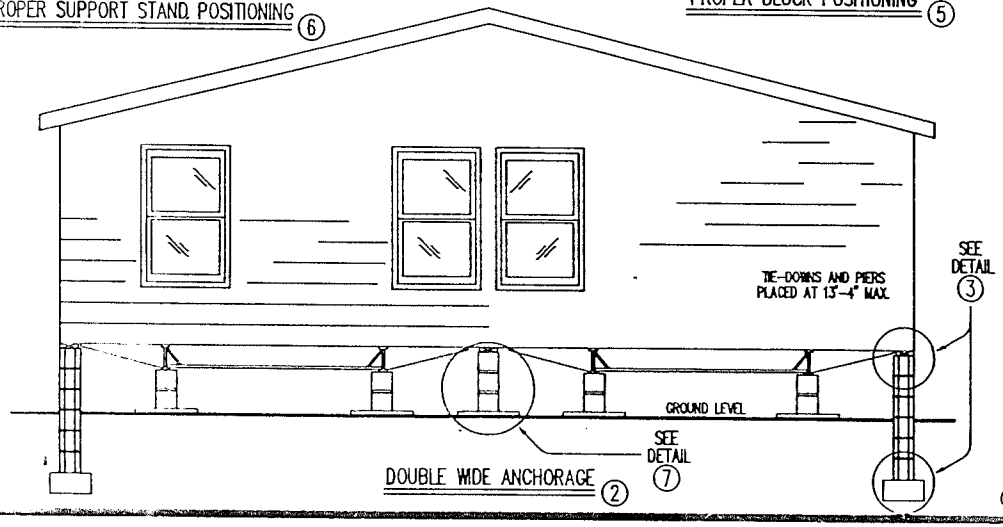
PROPER BLOCK POSITIONING (5)



JOIST TO SILL CONNECTION (8)
(METHOD A)



RIM JOIST TO SILL CONNECTION (9)
(METHOD B)



DOUBLE WIDE ANCHORAGE (2)

* ANCHORAGE DESIGNED FOR STANDARD WIND ZONE 1 (15 PSF HORIZONTAL, 9 PSF UPLIFT)

EVOR F. JOHNS REGISTERED NO. 01666 STATE OF INDIANA PROFESSIONAL ENGINEER

9/5/13

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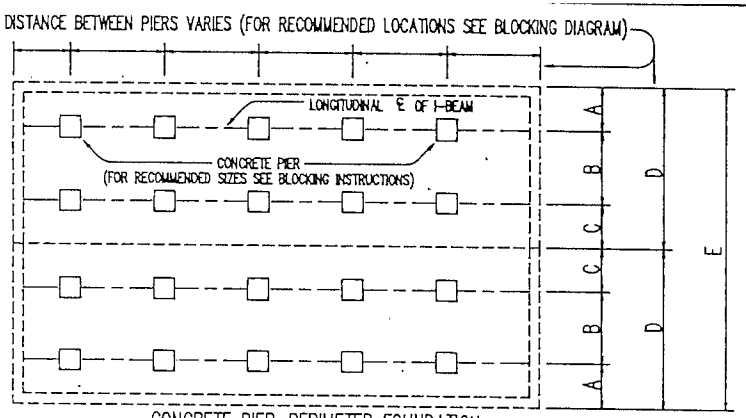


CONCRETE PIER–PERIMETER FOUNDATION

(DOUBLE WIDE APPLICATION)

TABLE 3 (DW)

MAIN BEAM PIER CAPACITY TABLE (LBS)

PIER SPACING	ROOF ZONE & WIDTH OF HOME								
	SOUTH (20 PSF)			MIDDLE (30 PSF)			NORTH (40 PSF)		
	24'	Φ28'	Φ30'	24'	Φ28'	Φ30'	24'	Φ28'	Φ30'
8'–0"	4000	4536	4640	4504	5104	5224	5000	5672	5800
9'–0"	4500	5103	5220	5067	5742	5877	5625	6381	6525
10'–0"	5000	5670	5800	5630	6380	6530	6250	7090	7250
11'–0"	5500	6237	6380	6193	7018	7183	6875	7799	7975
12'–0"	6000	6804	6960	6756	7656	7836	7500	8508	8700
13'–0"	6500	7371	7540	7319	8294	8489	8125	9217	9425

NOTE Φ: WIDTH OF HOME INCLUDES ROOF OVERHANG

MATING WALL PIER CAPACITY TABLES

REQUIRED PIER CAPACITY (LBS) FOR PIERS UP TO 5'–0" HIGH

PIER SPACING	SOUTH (20 PSF) WIDTH OF HOME			MIDDLE (30 PSF) WIDTH OF HOME			NORTH (40 PSF) WIDTH OF HOME		
	24'	Φ28'	Φ30'	24'	Φ28'	Φ30'	24'	Φ28'	Φ30'
8'–0"	2008	2336	2408	2488	2864	2952	2968	3400	3504
9'–0"	2259	2628	2709	2799	3222	3321	3339	3825	3942
10'–0"	2510	2920	3010	3110	3580	3690	3710	4250	4380
12'–0"	3012	3504	3612	3732	4296	4428	4452	5100	5256
14'–0"	3514	4088	4214	4354	5012	5166	5194	5950	6132
16'–0"	4016	4672	4816	4976	5728	5904	5936	6800	7008
18'–0"	4518	5256	5418	5598	6444	6642	6678	7650	7884
20'–0"	5020	5840	6020	6220	7160	7380	7420	8500	8760

In 20 and 30 psf roof load areas the rim joist must be supported by outriggers spaced no greater than 8 ft. o.c. for 24 ft. wide units and 4 ft. o.c. for 30 ft. wide units. Should the outrigger spacing exceed these dimensions piers must be provided between these excessively spaced outriggers to support the rim joist. Additional rim joist blocking is required at the ends of any opening in the sidewall over 4'–0" in width.

FOOTING AND FOUNDATION SPECIFICATIONS

PERIMETER FOUNDATION AND PIERS

TABLE 1

MANUFACTURED HOME STAND LOAD–BEARING CALCULATIONS

DESIGN ZONE	SOUTH	MIDDLE	NORTH
ROOF LIVE LOAD	20 psf *	30 psf *	40 psf *
ROOF DEAD LOAD	10 psf	10 psf	10 psf
FLOOR LIVE LOAD	40 psf	40 psf	40 psf
FLOOR DEAD LOAD	10psf	10 psf	10 psf
DESIGN DISTRIBUTED LOAD	80 psf	90 psf	100 psf

* Where greater vertical(snow) loads have been determined to exist in localized areas by the authority having jurisdiction through surveys or experience, such roof live loads shall apply.

TABLE 2

ALLOWABLE FOUNDATION PRESSURE

CLASS OF MATERIALS	PSF
LOOSE SAND CLAY SOILS OR MEDIUM SOFT CLAY	2000
FIRM OR STIFF CLAY	3000
LOOSE FINE SAND OR COMPACT SAND INORGANIC SILT SOILS	4000
COMPACT SAND–CLAY SOILS	6000
LOOSE COARSE TO MEDIUM SAND OR MEDIUM COMPACT FILL SAND	8000

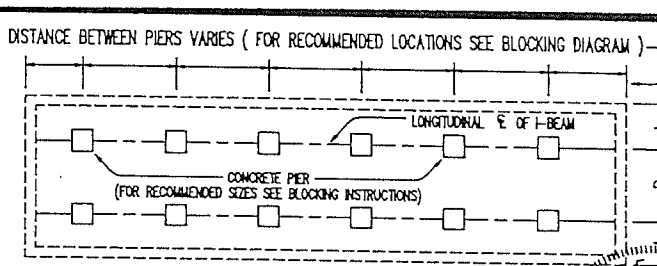
TABLE 4

SOIL BEARING CAPACITY

FOOTING SIZE	1000	1500	2000	3000	4000 AND OVER
16 x 8 x 4				0001–2600	0001–3500
16 x 12 x 4			0001–2600	2601–3900	3501–5200
16 x 16 x 4		0001–2500	2601–3400	3901–5200	5201–7000
20 x 16 x 4		2501–3200	3401–4300	5201–6500	7001–8700
24 x 16 x 4		3201–3800	4301–5200	6501–7800	8701–10500
20 x 20 x 6	0001–2500	3801–3900	5201–5300	7801–8100	10501–10900
24 x 20 x 6	2501–3000	3901–4700	5301–6400	8101–9700	10901–13100
24 x 24 x 8	3001–3600	4701–5600	6401–7600	9701–11600	13101–15600
36 x 24 x 8	3601–4500	5601–7000	7601–9500	11601–14500	15601–19500
36 x 24 x 8	4501–5400	7001–8400	9501–11400	14501–17400	19501–29400
36 x 30 x 8	5401–6700	8401–10500	11401–14200	17401–21700	
36 x 36 x 16	6701–7900	10501–12400	14201–16700		
42 x 36 x 16	7901–9200	12401–14400	16701–19700		
42 x 42 x 16	9201–10700	14401–16900	19701–2300		
48 x 42 x 16	10701–12300	16901–19300			
48 x 48 x 16	12301–14000	19301–22000			

REQUIRED PIER CAPACITY (LBS)

NOTE: FOOTING CONCRETE MUST BE 3000 P.S.I. IN 28 DAYS



CONCRETE PIER FOUNDATION

(SINGLE WIDE APPLICATION)

TABLE 3 (SW)

MAIN BEAM PIER CAPACITY TABLE (LBS)

PIER SPACING	ROOF ZONE & WIDTH OF HOME					
	SOUTH (20 PSF)		MIDDLE (30 PSF)		NORTH (40 PSF)	
	14'	16'	14'	16'	14'	16'
8'–0"	4376	4960	4920	5584	5472	6200
9'–0"	4923	5580	5535	6282	6156	6975
10'–0"	5470	6200	6150	6980	6840	7750
11'–0"	6017	6820	6765	7678	7524	8525
12'–0"	6564	7440	7380	8376	8208	9300
13'–0"	7111	8060	7995	9074	8892	10075

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PROCEDURE FOR DETERMINING FOOTING SPECIFICATIONS

1. From TABLE 1, determine total design distributed load of the home (Total load is variable by various roof loads. To obtain the roof load of your home, refer to the Compliance Certificate found in your home.)
2. Determine allowable bearing of the soil type found at the proposed site (From TABLE 2). This figure will be in PSF. (Based on BOCA table 1201.3)
3. Determine the total load on each pier from TABLE 3 SW(Single Wide), or DW(Double Wide). To find this load, locate the column that matches the specifications of the home and roof load. Follow the column down to the line that matches the MAXIMUM pier spacing. This number represents the total load that must be carried by the pier (in PSF). It should be noted that capacities listed for mating wall piers are for single span openings. For multiple span openings, the sum of the capacities for each adjacent opening will determine the total pier required capacity.
4. To obtain the minimum footing size required, use TABLE 4. First use the vertical column which identifies the soil type for which the home is to be set. Using the pounds figure found in step 3 (from TABLE 3/SW or 3/DW) continue down the column until this figure falls between the range given. After the range of allowable pounds is obtained, continue accross the page to the left column. The dimension given in this column represent the minimum size of footing to be used.

CHIEF INDUSTRIES, INC., HOUSING DIVISION

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FOOTING SPECIFICATIONS
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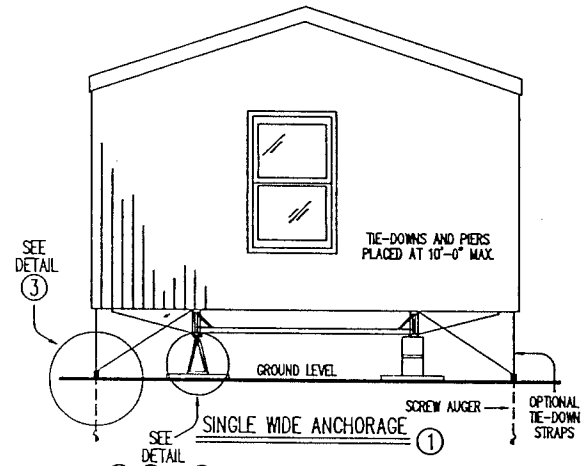
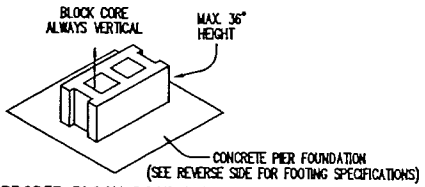


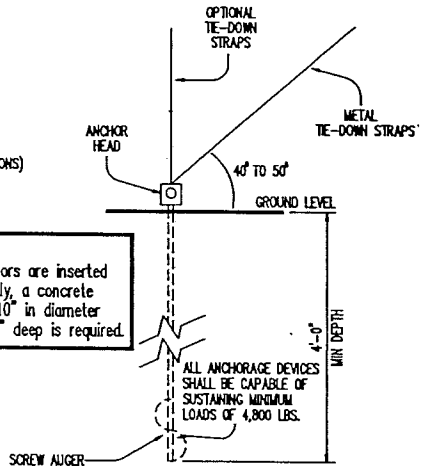
SINGLE WIDE ANCHORAGE (1)



PROPER BLOCK POSITIONING (4)

PLATES AND SHIMS:
A WOOD PLATE NOT EXCEEDING 2" IN THICKNESS AND SHIMS TO EXCEEDING 1" IN THICKNESS SHALL BE PERMITTED TO BE USED TO FILL ANY GAP BETWEEN THE TOP OF THE PIER AND THE MAIN FRAME. TWO INCH OR 4" SOLID CONCRETE BLOCKS SHALL BE PERMITTED TO BE USED TO FILL THE REMAINDER OF ANY GAP. SHIMS SHALL BE AT LEAST NOMINAL 4" WIDE AND 6" LONG AND SHALL BE FITTED AND DRIVEN TIGHT BETWEEN THE WOOD PLATE OR PIER AND MAIN FRAME

NOTE:
If anchors are inserted vertically, a concrete collar 10" in diameter and 18" deep is required.



SECTION THROUGH ANCHOR (3)

ALL MANUFACTURED HOMES SHOULD BE PROTECTED FROM DAMAGE BY HIGH WINDS. RESPONSIBILITY FOR THIS PROTECTION LIES IN THREE AREAS:

(1) THE MANUFACTURER MUST PRODUCE A HOME THAT IS STRUCTURALLY CAPABLE OF WITHSTANDING WINDS AS SET FORTH BY THE FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARD FOR THE LOCATION OF THE HOME.

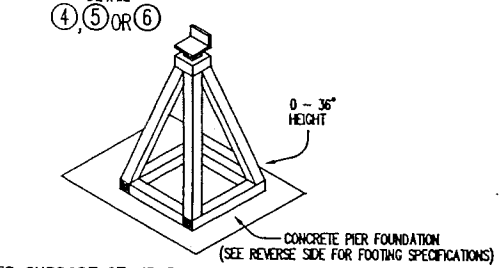
(2) THE PARK DEVELOPER MUST PROVIDE ADEQUATE FOUNDATIONS AND PROVISIONS FOR ANCHORS AS DETAILED ON THIS SHEET AND IN CONJUNCTION WITH THE HOUSING DIVISION OF CHIEF INDUSTRIES, INC. BLOCKING AND PIER LOCATION SUMMARY.

(3) THE PARK MANAGEMENT MUST EXECUTE OR INSTRUCT AND ENFORCE THE EXECUTION OF PROPER BLOCKING AND ANCHORAGE PROCEDURE SUCH AS THOSE DETAILED HEREIN.

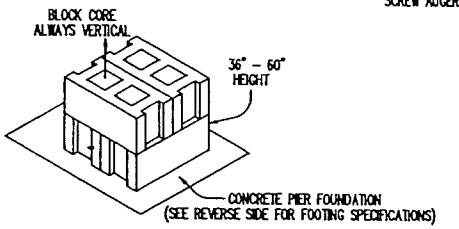
THE FOLLOWING GENERAL REQUIREMENTS SHOULD ALSO BE OBSERVED:

(1) ALL ANCHORAGE DEVICES SHALL BE CAPABLE OF SUSTAINING MINIMUM LOADS OF 4,800 LBS.

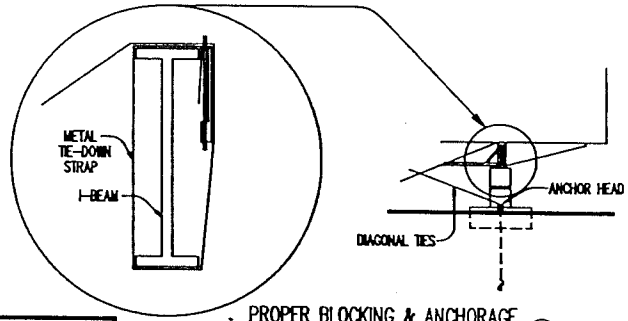
(2) ALL ANCHORAGE DEVICES SHALL BE CORROSIVE RESISTANT.



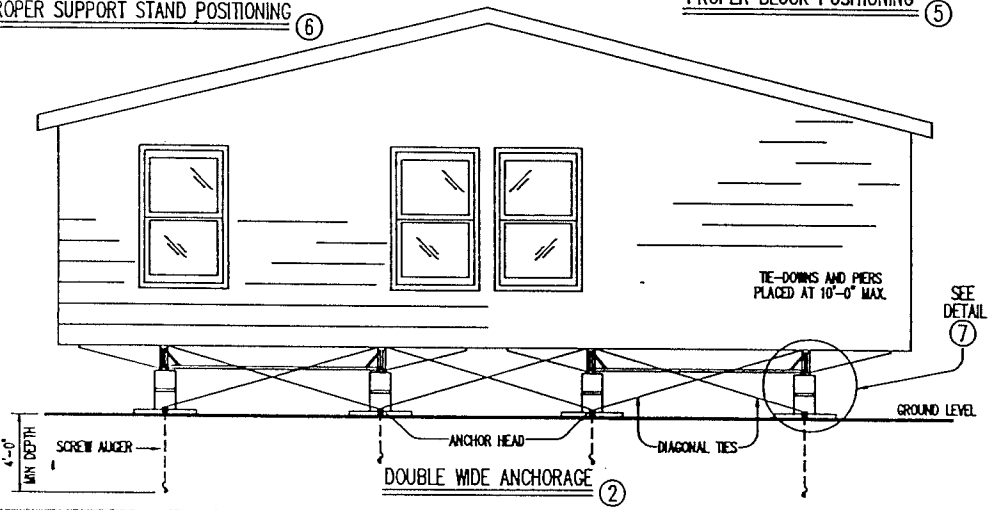
PROPER SUPPORT STAND POSITIONING (6)



PROPER BLOCK POSITIONING (5)



PROPER BLOCKING & ANCHORAGE (7)



DOUBLE WIDE ANCHORAGE (2)

* TIE DOWNS MUST BE WITHIN THE FIRST 4'-0" OF EACH END OF HOME, THEN SPACED AT 10'-0" O.C. MAX. AT A 45 DEGREE ANGLE.

* ANCHORAGE DESIGNED FOR STANDARD WIND ZONE 1 (15 PSF HORIZONTAL, 9 PSF UPLIFT)

EVOR F. JOHNS REGISTERED NO. 01666 STATE OF INDIANA PROFESSIONAL ENGINEER
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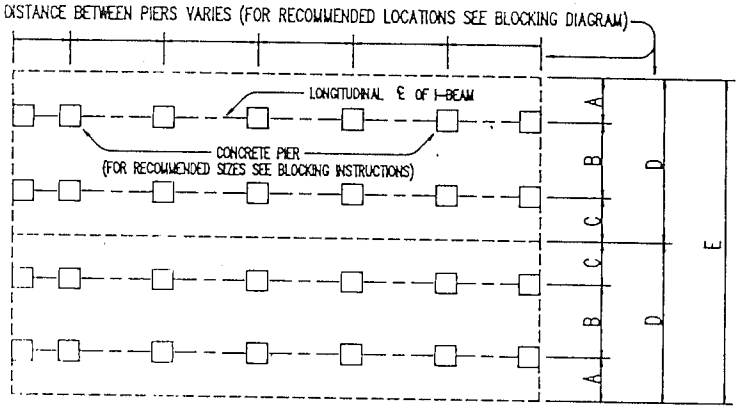
FOOTING AND FOUNDATION SPECIFICATIONS



CONCRETE PIER FOUNDATION

(DOUBLE WIDE APPLICATION)

TABLE 3 (DW)

MAIN BEAM PIER CAPACITY TABLE (LBS)

PIER SPACING	ROOF ZONE & WIDTH OF HOME								
	SOUTH (20 PSF)			MIDDLE (30 PSF)			NORTH (40 PSF)		
	Φ24'	Φ28'	Φ30'	Φ24'	Φ28'	Φ30'	Φ24'	Φ28'	Φ30'
8'-0"	4080	4720	5040	4560	5280	5040	5040	5840	6240
9'-0"	4590	5310	5670	5130	5940	5670	5670	6570	7020
10'-0"	5100	5900	6300	5700	6600	6300	6300	7300	7800

NOTE Φ: WIDTH OF HOME INCLUDES ROOF OVERHANG

MATING WALL PIER CAPACITY TABLES

REQUIRED PIER CAPACITY (LBS) FOR PIERS UP TO 5'-0" HIGH

PIER SPACING	SOUTH (20 PSF) WIDTH OF HOME			MIDDLE (30 PSF) WIDTH OF HOME			NORTH (40 PSF) WIDTH OF HOME		
	Φ24'	Φ28'	Φ30'	Φ24'	Φ28'	Φ30'	Φ24'	Φ28'	Φ30'
8'-0"	1440	1680	1800	1920	2240	2400	2400	2800	3000
10'-0"	1800	2100	2250	2400	2800	3000	3000	3500	3750
12'-0"	2160	2520	2700	2880	3360	3600	3600	4200	4500
14'-0"	2520	2940	3150	3360	3920	4200	4200	4900	5250
16'-0"	2880	3360	3600	3840	4480	4800	4800	5600	6000
18'-0"	3240	3780	4050	4320	5040	5400	5400	6300	6750
20'-0"	3600	4200	4500	4800	5600	6000	6000	7000	7500

In 20 and 30 psf roof load areas the rim joist must be supported by outriggers spaced no greater than 8 ft. o.c. for 24 ft. wide units and 4 ft. o.c. for 30 ft. wide units. Should the outrigger spacing exceed these dimensions piers must be provided between these excessively spaced outriggers to support the rim joist. Additional rim joist blocking is required at the ends of any opening in the sidewall over 4'-0" in width.

TABLE 1

MANUFACTURED HOME STAND LOAD-BEARING CALCULATIONS

DESIGN ZONE	SOUTH	MIDDLE	NORTH
ROOF LIVE LOAD	20 psf *	30 psf *	40 psf *
ROOF DEAD LOAD	10 psf	10 psf	10 psf
FLOOR LIVE LOAD	40 psf	40 psf	40 psf
FLOOR DEAD LOAD	10psf	10 psf	10 psf
DESIGN DISTRIBUTED LOAD	80 psf	90 psf	100 psf

* Where greater vertical(snow) loads have been determined to exist in localized areas by the authority having jurisdiction through surveys or experience, such roof live loads shall apply.

TABLE 2

ALLOWABLE FOUNDATION PRESSURE

CLASS OF MATERIALS	PSF
LOOSE SAND CLAY SOILS OR MEDIUM SOFT CLAY	2000
FIRM OR STIFF CLAY	3000
LOOSE FINE SAND OR COMPACT SAND INORGANIC SILT SOILS	4000
COMPACT SAND-CLAY SOILS	6000
LOOSE COARSE TO MEDIUM SAND OR MEDIUM COMPACT FILL SAND	8000

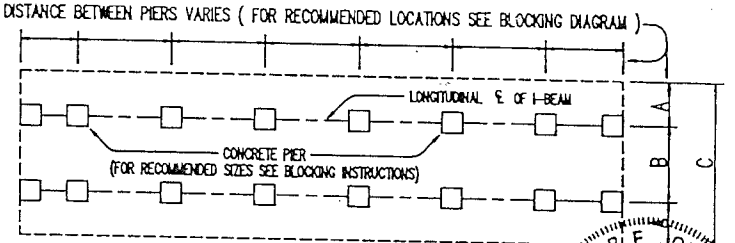
TABLE 4

SOIL BEARING CAPACITY

FOOTING SIZE	1000	1500	2000	3000	4000 AND OVER
16 x 8 x 4				0001-2600	0001-3500
16 x 12 x 4			0001-2600	2601-3900	3501-5200
16 x 16 x 4		0001-2500	2601-3400	3901-5200	5201-7000
20 x 16 x 4		2501-3200	3401-4300	5201-6500	7001-8700
24 x 16 x 4		3201-3800	4301-5200	6501-7800	8701-10500
20 x 20 x 6	0001-2500	3801-3900	5201-5300	7801-8100	10501-10900
24 x 20 x 6	2501-3000	3901-4700	5301-6400	8101-9700	10901-13100
24 x 24 x 8	3001-3600	4701-5600	6401-7600	9701-11600	13101-15600
30 x 24 x 8	3601-4500	5601-7000	7601-9500	11601-14500	15601-19500
36 x 24 x 8	4501-5400	7001-8400	9501-11400	14501-17400	19501-29400
36 x 30 x 8	5401-6700	8401-10500	11401-14200	17401-21700	
36 x 36 x 10	6701-7900	10501-12400	14201-16700		
42 x 36 x 10	7901-9200	12401-14400	16701-19700		
42 x 42 x 10	9201-10700	14401-16900	19701-2300		
48 x 42 x 10	10701-12300	16901-19300			
48 x 48 x 10	12301-14000	19301-22000			

REQUIRED PIER CAPACITY (LBS)

NOTE: FOOTING CONCRETE MUST BE 3000 P.S.I. IN 28 DAYS



CONCRETE PIER FOUNDATION

(SINGLE WIDE APPLICATION)

TABLE 3 (SW)

MAIN BEAM PIER CAPACITY TABLE (LBS)

PIER SPACING	ROOF ZONE & WIDTH OF HOME					
	SOUTH (20 PSF)		MIDDLE (30 PSF)		NORTH (40 PSF)	
	14'	16'	14'	16'	14'	16'
8'-0"	4720	5360	5280	6000	5840	6640
9'-0"	5310	6030	5940	6750	6570	7470
10'-0"	5900	6700	6600	7500	6600	8300

EVORY F. JOHNS
REGISTERED
NO.
01666
STATE OF
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PROFESSIONAL ENGINEER
9/3/93

PROCEDURE FOR DETERMINING FOOTING SPECIFICATIONS

1. From TABLE 1, determine total design distributed load of the home (Total load is variable by various roof loads. To obtain the roof load of your home, refer to the Compliance Certificate found in your home.)
2. Determine allowable bearing of the soil type found at the proposed site (From TABLE 2). This figure will be in PSF. (Based on BOCA table 1201.3)
3. Determine the total load on each pier from TABLE 3 SW(Single Wide), or DW(Double Wide). To find this load, locate the column that matches the specifications of the home and roof load. Follow the column down to the line that matches the MAXIMUM pier spacing. This number represents the total load that must be carried by the pier (in PSF). It should be noted that capacities listed for mating wall piers are for single span openings. For multiple span openings, the sum of the capacities for each adjacent opening will determine the total pier required capacity.
4. To obtain the minimum footing size required, use TABLE 4. First use the vertical column which identifies the soil type for which the home is to be set. Using the pounds figure found in step 3 (from TABLE 3/SW or 3/DW) continue down the column until this figure falls between the range given. After the range of allowable pounds is obtained, continue accross the page to the left column. The dimension given in this column represent the minimum size of footing to be used.

CHIEF INDUSTRIES, INC., HOUSING DIVISION

REVISIONS	DATE
A	
B	
C	
D	
E	
F	
G	

DRAWN BY | DATE 8/9/93
CHECKED BY | DATE
SCALE NONE
FOOTING SPECIFICATIONS
MODEL | BF 649

SECTION XIV

SITE ASSEMBLY INSTRUCTIONS

Double Section Homes

SITE ASSEMBLY INSTRUCTIONS
DOUBLE-SECTION HOMES
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INTRODUCTION:

Thanks for choosing Chief Industries/Homes as your manufacturer. We hope your new home brings you comfort and pleasure in the years to come. This Chief Industries/Home was engineered, constructed and inspected to accommodate the Federal Manufactured Homes Construction and Safety Standards in effect on the date of construction. Minimal specifications were required from the National Standard for the design, construction, thermal protection and heating systems, plumbing system, and electrical systems for manufactured homes intended to be used as a residence.

It is our intention to produce to you a safe and comfortable home in accordance with the Federal Standards in addition to our own high quality standards. Chief Industries/Homes has highly qualified plant personnel to inspect these standards throughout the construction of your home.

It is extremely important in preparing your home for its occupancy that it be properly set, blocked and leveled by an experienced manufactured home mover, dealer or installer. Correct procedures in setting your home could prevent any unnecessary repair bills.

The following step-by-step instructions were designed to assist you with the installation of your home. Please read these instructions carefully before any attempt is made in setting your home. But first contact the building officials in your area for necessary permits, licenses and inspections required for installation of this home. GOOD LUCK!

SITE PREPARATION,FOOTINGS AND BLOCKING

General

The first step in properly maintaining your new manufactured home is to provide a solid support for it. Unlike an ordinary home, your home does not need a foundation to support it all the way around its perimeter. Chief Industries/Homes has designed its homes with a steel chassis which will be supported by individual supports, or piers, together with frame anchors appropriate for local conditions. There are adjustable steel jacks, concrete piers, especially designed for manufactured home blocking and leveling which are highly recommended. However, depending upon the conditions and judgment of your manufactured home installer, cement blocks or other support devices may be adequate. If manufactured loadbearing supports or devices are used, they shall be listed and labeled by an approved testing agency.

Data describing the roof and wind loads for which your home was designed may be found on the data plate in your home. Load zone maps of the United States showing roof load, wind load and thermal zones are also included in the Homeowners Manual. The support system must resist all vertical loads from the weight of your home, plus temporary extra roof loading, and it must resist side loads imposed on the home by wind blowing against it.

All manufactured home installations shall comply with the requirements of local zoning ordinances and conditional use permits established by local authorities pertaining to any health and/or safety codes.

Site Preparation

The process of supporting your home for occupancy has three steps - site preparation, setting and blocking, and leveling. These are the first three of many important steps to be taken seriously to prevent any costly measures you may encounter in the future. If you are going to live in a park, the site should already be prepared ready for your home. But if you intend to place the home on a site you own, some work is necessary.

The area of the site where you locate the home should be reasonably level. The area beneath the home should slope enough, however, so that water will drain off and not puddle around supports - a slope of 1" in 4' is recommended. The rest of the site should be graded so that rainwater or melting snow will run off harmlessly. A vapor barrier, such as a layer of polyethylene plastic sheeting or similar material must be placed on the ground under the home. Supports must rest on undisturbed soil, or fill that is compacted and has fully settled.

In addition, provision for utilities must be made before the home is set. Installation of lines and equipment supplying water, electricity and fuel, plus sewage disposal system, must be completed and ready for connection in accordance with all local codes and regulations. Your county engineer, building inspector, or officials of your local utility companies can advise you on the requirements in your community.

Setting and Blocking

Many local codes require

that your home must be set up by a dealer, installer, or home mover specially licensed to do this work. If your dealer is not licensed himself, he will make the arrangements with a contractor who is licensed. You should not try to do this important work yourself.

Footings

Proper support for your home includes footings and blocking. The footings carry and distribute the weight of the home placed on the blocking. The best footing is a poured concrete slab, often called a pad. A good pad is at least 3 1/2" thick, reinforced with wire mesh, and as large as your home less its hitch. (See Figure 1)

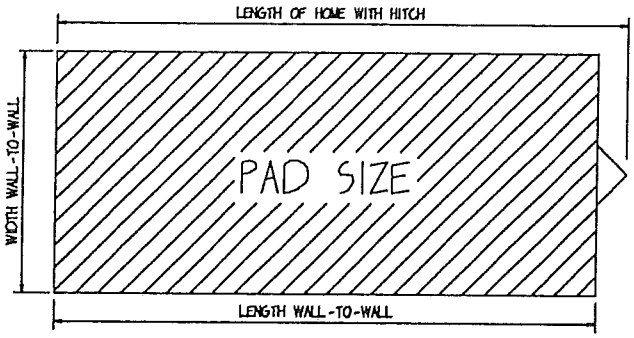


FIGURE 1

A good alternate to a concrete slab base is ribbons of reinforced concrete 4" thick and 24" wide, spaced so they lie directly beneath the steel beams of the frame. (See Figure 2)

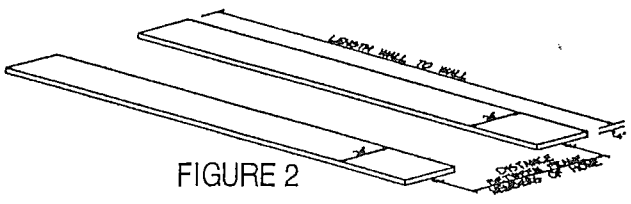


FIGURE 2

Before pouring concrete ribbons, check with your dealer to get the correct distance between the frame members.

Double-section homes may be set on a permanent foundation, like a house.

If your home has a standard frame, you need some cross support for the I-beams. Figure 3 shows one solution. In either case you will need to hire a contractor to build the foundation. He must be experienced in foundations for manufactured units so that he understands the special problems of sliding your home into its final position.

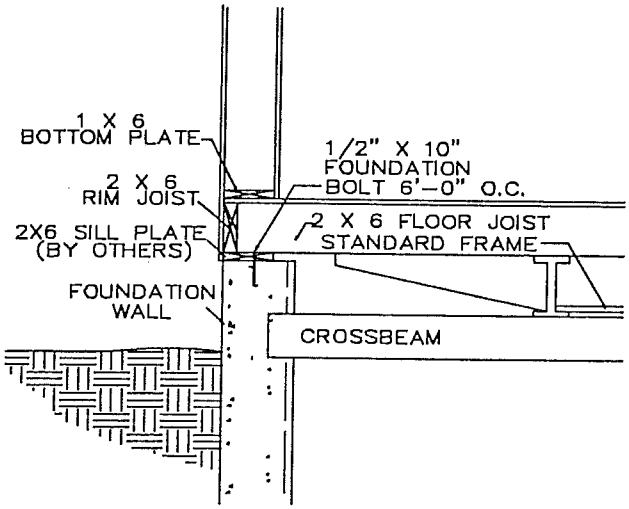


FIGURE 3

You may also set a double-section home on piers. Piers are usually built of concrete block set or proper support stands on individual footings. The dimensions of each footing should be 8" greater than the dimensions of the pier. If you use concrete block 8" wide and 16" long, for example, footings should be 16" wide and 24" long. (See Figure 4)

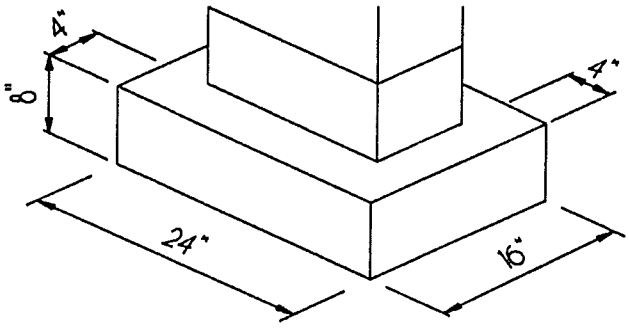


FIGURE 4

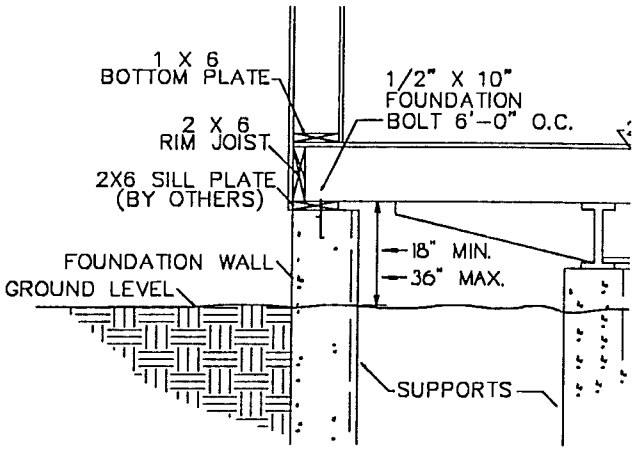


FIGURE 5

Footings should be 8" thick. They are often poured with their tops level with the surface of the site. You will have fewer releveling problems, however, if the bottoms of footings lie below the frost line in your community so that the piers won't heave in the spring and settle in the fall.

Blocking

The purpose of supports is to distribute the load of your home as evenly as possible on the footings, and to provide a sturdy base. Adjustable steel jacks make excellent supports, and simplify the job of leveling. Any manufactured supports that you use should be listed and labeled by an approved testing agency. Your set-up contractor or your local building inspector can advise you on the best supports to use.

The most common supports are standard 8"x8"x16" concrete blocks, laid flat as in Figure 4. Blocking must be tall enough to raise the under side of the frame at least 12" off the ground, and to keep the under sides of floor joists at least 18" off the ground. (See Figure 5)

On the other hand, supports taller than 36" are not recommended, even if permitted by code. On side-hill sites where tall piers are unavoidable, many codes require a permanent supporting structure, such as piers of poured concrete or mortared concrete block.

By following this information you will minimize the set-up related problems one may have during the installation of your home.

Leveling

Note: There are many accepted methods of leveling homes: however, the method most recommended is called a "water level". A "water level" is simply a plastic reservoir holding a colored water with approximately 75' of plastic hose attached. This device operates on the principle that water seeks its own level. (See Figure 6)

Another method of leveling homes is using the bubble level. A deviation from level where part of the bubble is less than 1/8" outside one hairline is usually acceptable, as

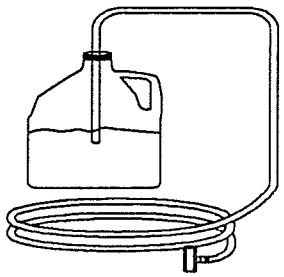


FIGURE 6

long as you don't get this same reading everywhere. Any deviation greater than 1/8" probably means that your home should be releveled. (See Figure 7)

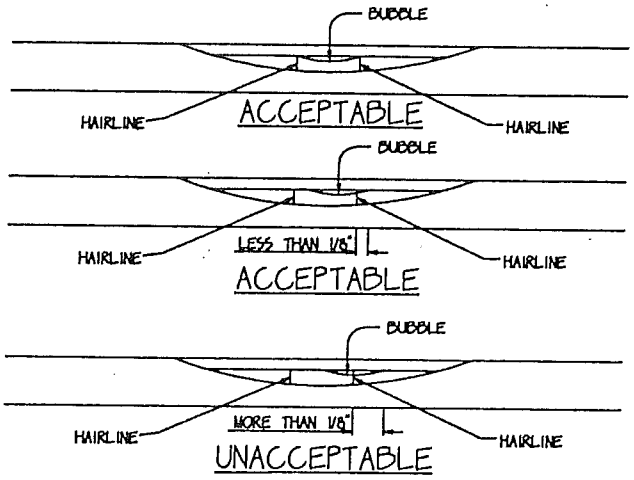


FIGURE 7

To achieve the best results, your home must stand as level as possible on its supports. If it does not, here are some of the problems that can result:

* Walls, partitions, and floors that buckle.
* Leaks around windows and doors, and at seams in the roof, ceiling, and walls.
* Cabinet doors and drawers that won't shut properly.
* Walls, partitions, and ceiling materials that come loose.
* Floor covering that wrinkles, and floor structure that feels soft and spongy under foot.
* Exterior metal or siding that wrinkles or cracks.
* Piping and wiring that snap under tension.

To prevent these problems, your set-up contractor should check and adjust the level of your home during the entire block process.

POSITIONING AND BLOCKING OF DOUBLE-SECTION HOMES

General

As in a single unit home, the site should be totally prepared with concrete work completed before positioning your Chief Industries/Homes home. All service facilities must be installed and in proper position for the water, gas, electrical and drain connections on the home.

Any preparation work that can be done more easily prior to the setting of the homes should be completed. This would include any trenching necessary for drain line or wheel locations and ground anchors that would be installed at an angle. It is also recommended that a moisture barrier be placed on the ground under the home if a concrete slab has not been installed.

Positioning

Remove the polyethylene and wood stripping closure material from both halves of the home.

1. Do not remove temporary structural supports.

2. The two halves of the home are then positioned side by side as close together as possible. Check to make certain that the service connections are located adjacent to the service facilities.

Leveling and Joining Sections

1. Refer to the previous section on single-section homes under "Jacking and Leveling Procedure" for the proper instructions on how to use a water level for proper leveling. See Section III in your Field Installation Manual for the proper spacing of piers and footings under the home.

2. Position half of home containing kitchen, bath and appliances on desired lot. To prevent unit from moving, block both sets of tires at front and rear.

3. Raise the hitch of the unit to be blocked and leveled approximately 2" higher than its final position with the screw jack assembly, or a heavy duty hydraulic jack. Adequate blocking should then be placed under the hitch assembly to prevent its falling to the ground in the event the jack stem assembly should fail. Place a 12 ton jack under each main frame member just to the rear of the rear spring hangers. These two jacks should be operated simultaneously to raise the home until it is approximately 2" higher than its final position.

4. If the tires and axles are to be removed, safety supports should be placed tightly under the frame members at this point to prevent the home from dropping should the jack fail. When removing axles, one jack should be located directly in front of the first spring hanger and one directly behind the last spring hanger. It would be wise to position a jack under each end of axles when removing bolts. (See Figure 8)

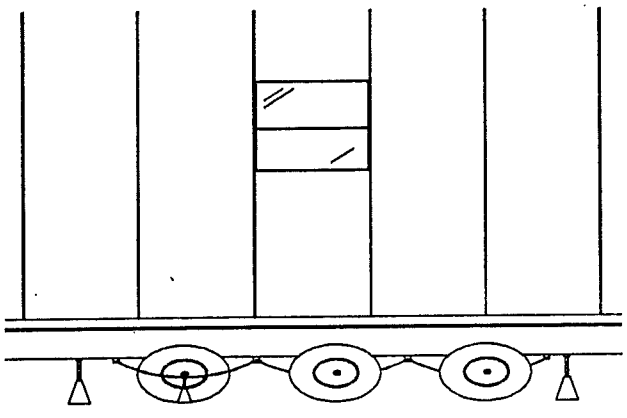


FIGURE 8

5. The concrete pads for pier supports, previously distributed around the unit, are now located directly under each I-beam adhering to specified spacing. Concrete or metal piers are then placed into position on the pads. These piers should also be placed under the sidewall at the exterior doors. Placement should be under the hinge side of the exterior door.

6. Slowly lower side of unit onto support blocks and level each pier by using the water level.

7. The water level previously referred to is now positioned at a height whereby the level of the water inside the reservoir is exactly at the height the bottom of the steel frame will be in its final position. (See Figure 9)

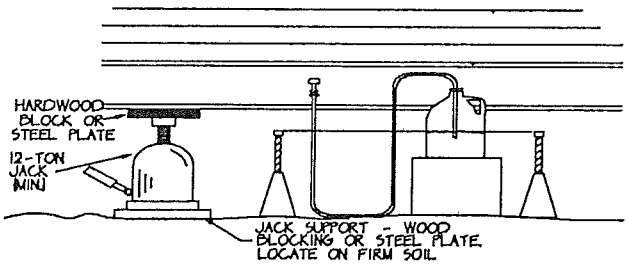


FIGURE 9

8. By placing a shut-off valve at the end of the plastic tubing, the liquid will be prevented from escaping when the end of the hose is lowered below the level of the fluid in the reservoir.

9. By pulling the end of the plastic tube to the first pier, the end of the tube is raised above the adjustable clamp and the valve is opened. The top of the adjustable clamp on the pier is then adjusted to match the level of the water in the tube. When this operation is complete, then each succeeding pier is leveled in the same manner.

10. When this operation is complete, lower the jacks so that the steel frame members rest on the threaded brackets of the piers.

11. To maintain proper air flow, remove the plastic material covering the attic area from both halves.

12. Remove plastic material covering the marriage wall from both halves.

13. Before moving the second half into position, a material such as fiberglass batten insulation should be fastened on the mating edges of the floor, walls, ceiling, and around all openings such as doorways and archways to prevent the possibility of air infiltration after the home is set up. (See Figure 10)

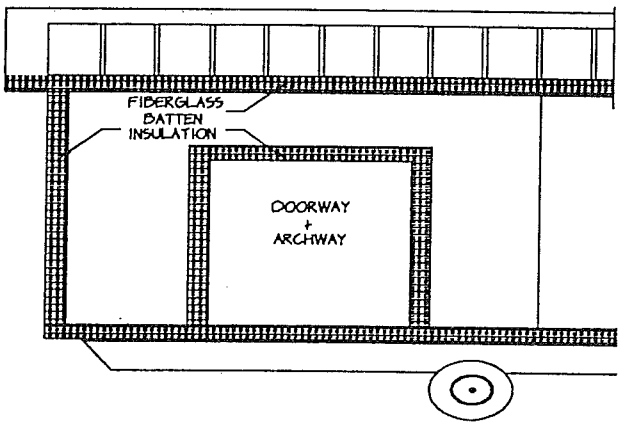


FIGURE 10

This material should not be placed in a position that could restrict air ducts in the heating system or return air ducts which might crossover at the floor line or through the ridge beam. If the crossover duct system requires some sort of connection seal, make certain that it is in place prior to joining the two halves. NOTE: THE JOINT FORMED BY THE CONNECTION OF THE TWO HALVES SHOULD BE TIGHT TO RESIST ANY AIR INFILTRATION. Special care should be taken to assure that this is performed.

14. Move the second section of the home into position along side of the first (approximately 10"-12"). It is recommended that a dollie device utilizing steel rollers be used for this purpose. These dollies, which utilize rollers, are so constructed that hydraulic jacks can be positioned on the rollers and under the frame members so that the frame can be rolled sideways very easily. Most service crews and installers have this equipment. It will minimize any possibility of frame damage which could void your warranty. After the two sections are side by side, the dollie devices are placed behind the axle area and approximately midway in the front span.

15. Repeat steps 4 and 5.

16. To prevent damage to electrical wiring and interior floor coverings (carpet and linoleum) in marriage wall openings, temporarily fasten away from edge of home to prevent material from being caught between the two sections.

17. Then by using a hand winch attached at the spring hangers the two units can be pulled tightly together. NOTE: WHEN ALIGNING HALVES, FLUSH EXTERIOR ENDWALLS NOT INTERIOR DOORWAYS. This will allow the exterior to be finished with any additional shiming of the endwalls.

18. At this time, the electrical wires between sections are to be connected. MAKE SURE POWER IS DISCONNECTED BEFORE PROCEEDING. There are two possible ways to connect the wires together. Using a cutting blade, split the cable sheathing back approximately 1 1/16"-1 1/8". Remove the sheathing back to the cable split. Attach the two ungrounded or "black" wires together with a locknut. Repeat this step with the two neutral or "white" wires and the two grounded

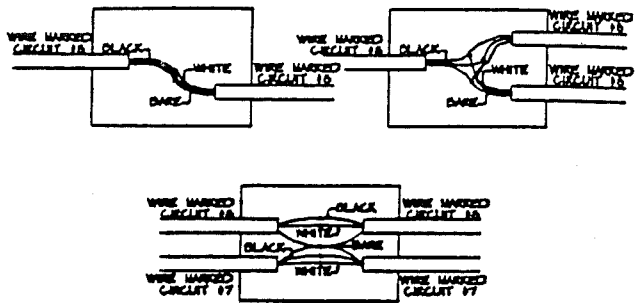


FIGURE 11

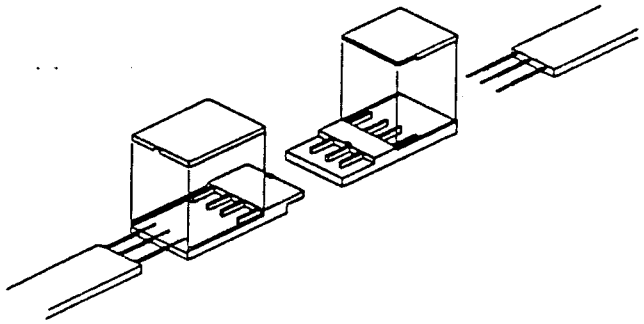


FIGURE 12

or "bare" wires. (See Figure 11)

Figure 12 shows each electrical conductor has been terminated with a special cable splicing device.

Orient splices so the mating ends align with each other. Slide the splices into each other until the locking latches engage the locking tabs. Once coupled, the splices are NOT to be uncoupled.

Finally the coupled splices can be mounted to the inside of the stud or sidewall plate with four 4d common nails. Caution!! Do not use oversize nails or drive nail heads into splice!!

19. Carefully raise the jack until the two ceiling sections are flush, and then finish fastening the two ridge beams together on the outside of the home with #8x3 1/2" wood screws at 16" on center. This procedure should be followed at each location if one part of the

ceiling is low. By carefully inspecting the ceiling or using a straight edge, low points can be determined. To raise the low portion, use a wood member such as a 2x4 or a steel pipe placed on the top of a hydraulic jack. A second piece of 2x4 properly padded is placed on top of the verticle posts and directly underneath the low point. (See Figure 13)

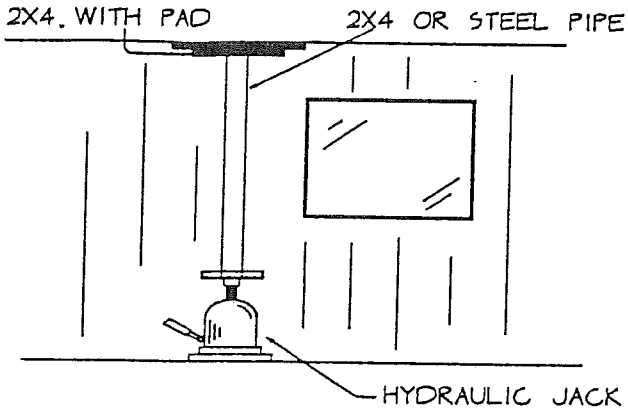


FIGURE 13

20. Inside the home the ceiling panels and the endwalls on each half must align with each other. If the halves are not in proper alignment they may be adjusted by raising the back corner on one half. It should be noted that the opposite end of the home should be blocked while raising the other end. This will cause the ceiling on the opposite side to move forward.

21. Align the floor sections, secure the two sections together with 3/8"x4" lag screws at 48" on center throughtout the length of the home.

22. The front and rear endwalls should now be secured and finished. To secure the endwalls, position two pieces of 10"x48"x30 gauge metal centered in height of endwall. The metal should be fastened to the studs with 1 1/4" galvanized roofing nails placed 8" on center. (See Figure 14)

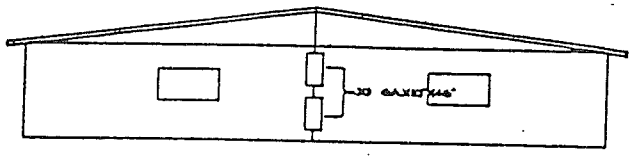


FIGURE 14

23. To finish the exterior siding, cut a piece of siding large enough to cover manufacturers precut lap joint. The edges of the fiberboard siding should also be remedied to properly fit the manufacturers lap joint. This can be accomplished by cutting the panel with a circular saw with the blade set at the appropriate depth. (See Figure 15)

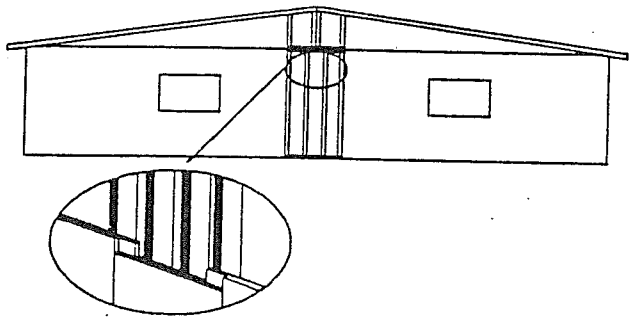


FIGURE 15

24. Complete soffit by installing the under eave soffit panel. This panel must be cut to fit for length between the two factory installed under eave panels. (See Figure 16)

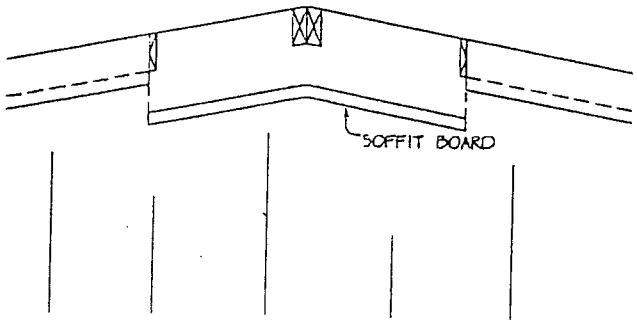


FIGURE 16

25. Secure the roof sections together at the ridge row. This is accomplished by securing a layer of Ridge Row Flashing (6" x Length of Home) evenly across the ridge of the home.(See Figure 17)

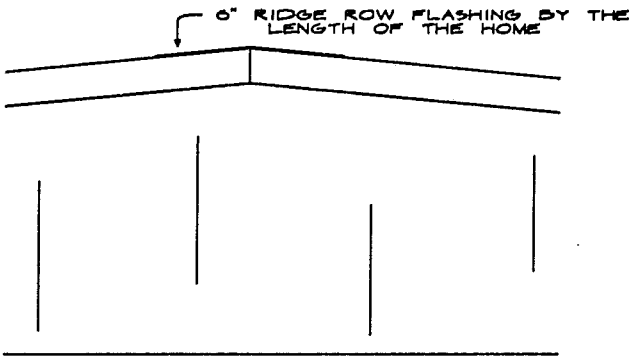


FIGURE 17

26. For finishing asphalt shingled roofs, secure ridge row shingles in place. This should be accomplished by starting from one end and finishing to the opposite end. (See Figure 18)

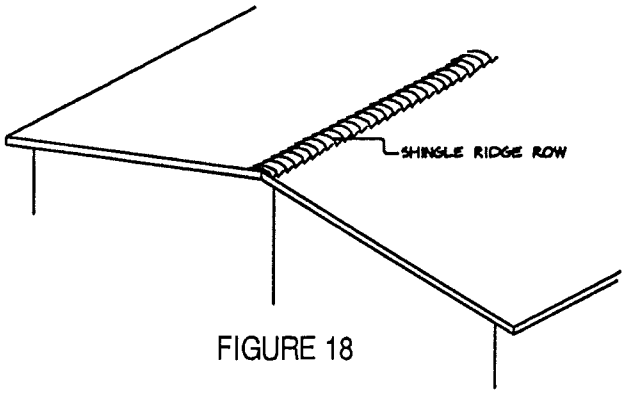


FIGURE 18

27. Complete soffit by securing fascia trim board in remaining gap where the two units meet. Complete both ends. (See Figure 19)

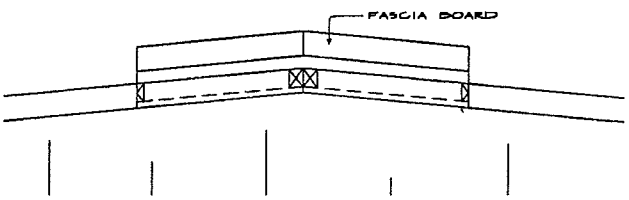


FIGURE 19

28. All archways in the common wall should now be secured with 6" x 96" strips of 30 gauge metal. The metal should be secured with 1 1/4" galvanized roofing nails. One strip of metal should be used for the top of the archway as well as two pieces on each side. (See Figure 20)

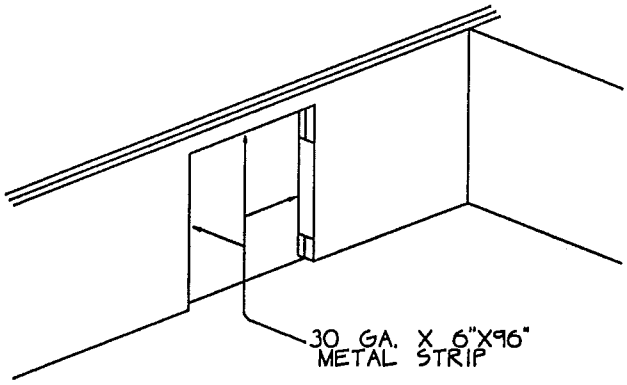


FIGURE 20

29. Openings that have a door already installed should be secured with #10x5" wood screws, 12" on center. Care should be taken to pre-drill all holes as close as possible to edge so trim moulding will cover screws. (See Figure 21)

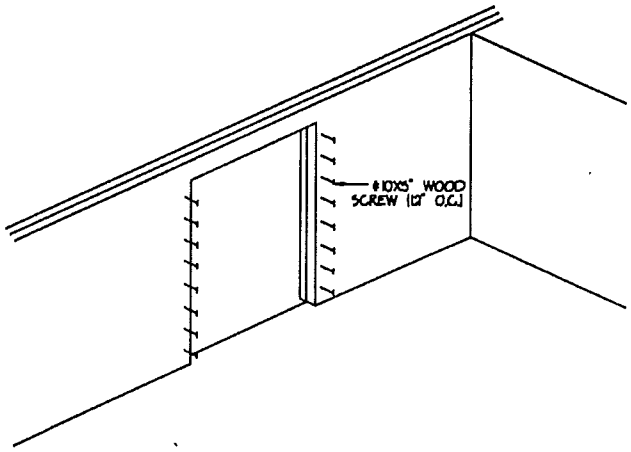


FIGURE 21

30. Openings in the marriage wall that have not been previously

installed will now be completed. After securing opening as outlined in item 28, apply a 1/2" wrapped style directly to stud on side of opening. Now mount door on side of opening, allowing ample amount of space on top and bottom of door. After door has been mounted, apply a 1/2" wrapped style directly to the remaining side (This will complete the side jamb). Now complete top of door with the same steps as for the side jamb. After door jambs have been completely installed, locate and secure moulding used as a door stop. Finally, trim out the doorway with moulding provided. (See Figure 22)

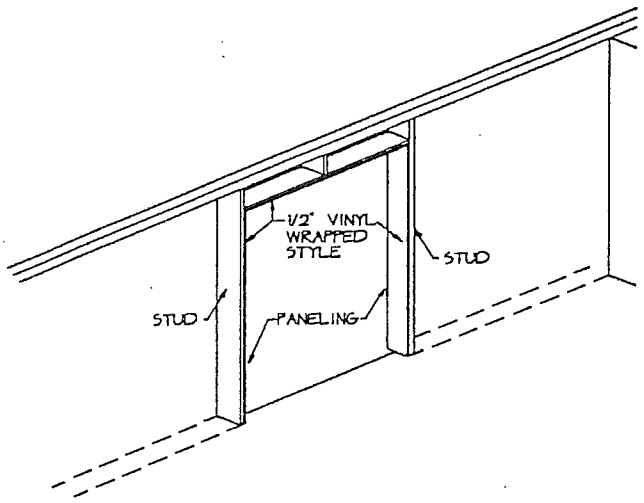


FIGURE 22

31. All remaining doorways and archways should now be paneled and trimmed with material provided.

32. Completion of all plumbing should be made to the supply fixtures. Check all work for leaks, improper sizing or slope with instructions provided in owners manual.

33. The electrical system should be wired to supply and then checked for operation.

UTILITY CONNECTIONS

GENERAL

Before connecting any utility systems, it is recommended that local, county, and state authorities be consulted.

NOTE: IT MUST BE POSSIBLE BY REMOVABLE SECTIONS OF SKIRTING OR THROUGH ACCESS DOORS TO GAIN ACCESSIBILITY TO ALL UTILITY HOOKUPS.

Heating System

The gas heating system in your Chief Industries/Homes home has been designed to operate effectively on natural gas.

On some sectional homes which incorporate gas appliances in both halves, the gas crossover line will be provided between the home sections. This crossover line will be located below the floor structure and the center line between sections. It will be equipped with an approved flex connector and a quick disconnect device. The final connection of the crossover is made after the dust cover on the quick disconnect device has been removed and snapped on to the two halves, completing the connection. (See Figure 23)

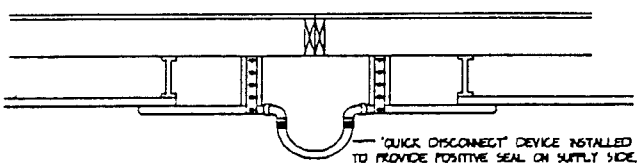


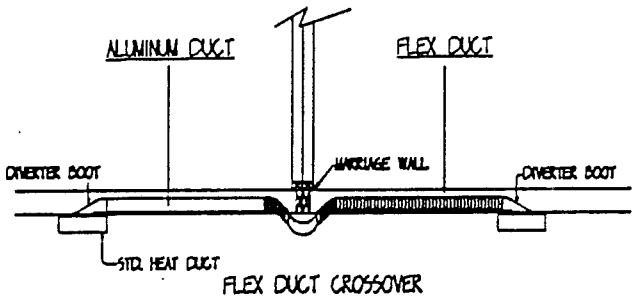
FIGURE 23

After the gas system has been installed, it must be final checked to insure freedom from leaks. To avoid damage to the lines or possible injuries to oneself use a mixture of soap and water to check these lines for leaks.

To avoid possible damage to associated gas valves and regulators incorporated on appliances, do not pressurize the gas line in excess of 8 ounces maximum after final connections are made.

After final testing of the gas supply lines, the home can be connected by using a listed gas connector of the capacity indicated on the label by the gas inlet.

On double-section homes, the flow of heat from one section to the other is accomplished by a crossover duct system. This crossover system may be either a flexible duct system suspended under the floor or a rigid duct system which is sealed together with insulation at the mating line of the sections. (See Figure 24)



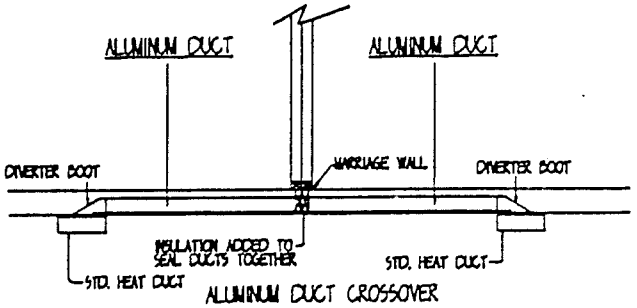


FIGURE 24

Electrical System

Your home is designed to be

connected to an electrical supply source rated at 240 volts, 3 pole, 4-wire with ground system. In making the feeder connections to this power source, it is extremely important that wire of the correct size be used. If wire is incorrectly sized, the ampacity for that wire may be exceeded and you will experience a voltage drop to your home. Ampacity is the safe carrying capacity of a wire expressed in amperes. The greater the amperes flowing, the greater the heat.

Moreover, if the amperage is allowed to become too great, the wire may become so hot that it will damage the insulation or even cause a fire. A voltage drop in your home can cause a drop in the efficiency of all lights as well as appliances. Motors may burn out and you may be paying for electricity you do not use.

It is also critical for the protection of the occupants of the home that it be properly grounded. Grounding a rod, a water pipe, or through the manufactured home will not provide this important protection in most cases.

The only safe and approved method of grounding your home is through an electrical-isolated grounding bar in the manufactured home power supply panel which grounds all non-current-carrying metal parts to the electrical system in your home at a single point.

IT IS EXTREMELY IMPORTANT THAT THE NEUTRAL CONNECTOR NOT BE GROUNDED IN OR ON THE MANUFACTURED HOME OR THE HOME SERVICE ENTRANCE CABINET.

Electric crossovers between halves of section homes are located along the center line between the sections. These crossover locations can be distinguished by access cover panels. (See Figure 25) Remove these panels and

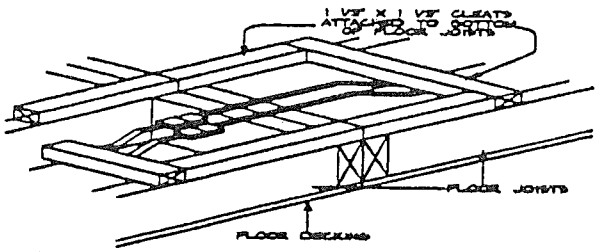


FIGURE 25

connect enclosed wires as illustrated in Figure 12.

Water System

The water system can be connected to any water supply through a 3/4" pipe inlet located below the home and usually near the water heater compartment. A tag on the side of the home indicates this water inlet. A shutoff valve must also be installed between the water supply and the inlet when it is connected. The valve must be a full port gate valve or a full port ball valve.

NOTE: THE MAIN SHUTOFF VALVE IS NOT SUPPLIED BY THE MANUFACTURER, BUT MUST BE INSTALLED ON THE SYSTEM TO COMPLY WITH THE FEDERAL CONSTRUCTION AND SAFETY STANDARDS.

Drainage System

Final drain connections are made at the 3" outlet located in the center portion of the home. When connecting this drain outlet to the main sewer system, approved 3" connectors should be used at both ends. The drain lines installed on the home must have a slope of 1/4" per foot and be supported at intervals not exceeding 4'.

After the system has been connected, all the fixtures in the home should be filled with water and allowed to drain through the newly installed system. Check all joints for visible leaks.

APPLIANCE INSTALLATION

General

A gas or electric clothes dryer installed in the home must be exhausted on the outside by a moisture lint exhaust duct and termination fittings. Ducts shall not terminate beneath the home.

A moisture lint exhaust system will be roughed in by the manufacturer if dryer or receptacle for dryer is furnished by the manufacturer. This will be noted on the data plate.

Installation

1. An access panel is located in the dryer area to provide access to the dryer end of duct system.

2. Access to rough in from outside may be located on the bottom side of the floor or on an exterior wall.

3. The exhaust system shall be completed on site as shown with materials provided by the owner.

Exhaust duct and termination fittings must be fittings listed by an approved testing agency or certified as components of the dryer.

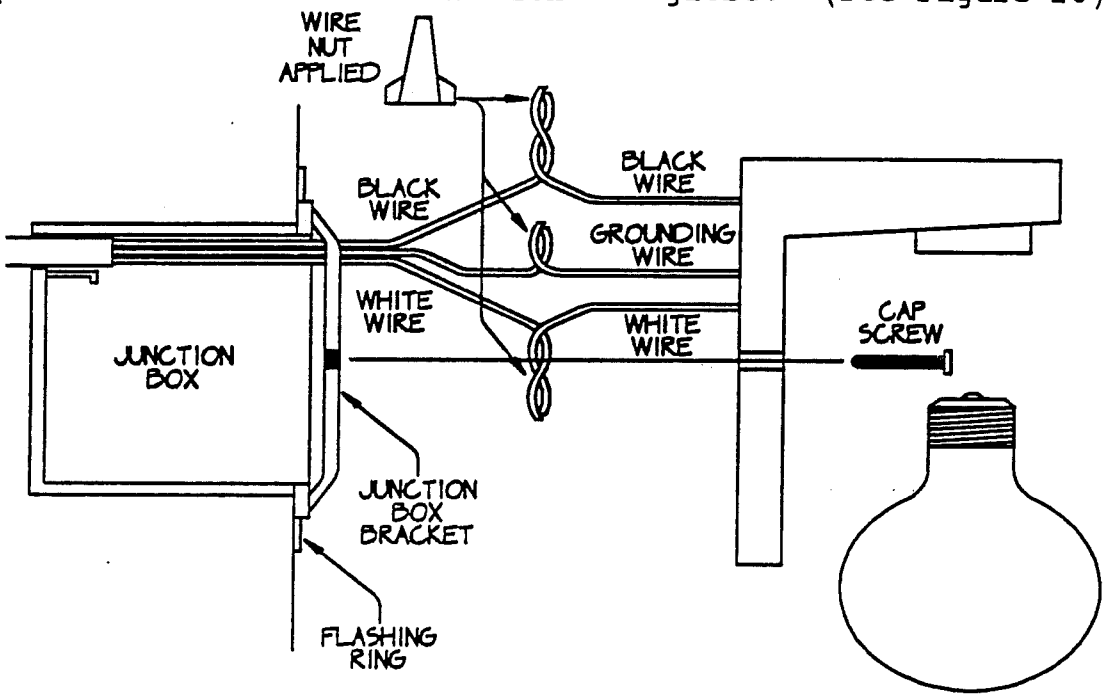
Air Conditioning

Branch circuits installed at the factory for the purpose of energizing air conditioning equipment will have a 3/4" conduit from the service panel through the floor for the owner to make the connection.

Exterior Light Connection

Remove junction box cover. Make wire to wire connections using wire nuts appropriately sized for connection.

Secure light fixture to junction box. Furnish bulb and attach globe. (See Figure 26)



1. CONNECT WIRES TOGETHER ACCORDING TO COLOR (I.E. BLACK TO BLACK) USING A WIRE NUT. NOTE: GROUNDING WIRES MAY BE EITHER BARE WIRE OR COLOR CODED GREEN.
2. GROUNDING OF THE JUNCTION BOX BRACKET MUST BE MADE BY ATTACHING THE GROUNDING CONDUCTOR TO THE BRACKETS GROUNDING SCREW OR IF NO SCREW EXISTS, A LISTED CLAMP MUST BE USED. THIS CONNECTION MUST BE MADE PRIOR TO THE CONNECTION TO THE FIXTURE.
3. FOLD WIRES OVER THE JUNCTION BOX BRACKET BACK INTO JUNCTION BOX.
4. PLACE LIGHT FIXTURE OVER JUNCTION BOX AND USING A CAP SCREW, SECURE THE FIXTURE THROUGH THE FIXTURE ITSSELF AND INTO THE THREADS IN THE JUNCTION BOX BRACKET.

FIGURE 26

FINAL INSPECTION

General

After your Chief Industries/ Homes home has been completely set up, a final inspection should be made to insure that no items have been overlooked which could cause a service problem. Special emphasis should be placed on the following items:

Exterior Siding and Trim

A thorough check should be made of all portions of the exterior siding to make certain that it is not cracked or split, buckled, or loose in any manner. Any siding observed to be in this condition should be repaired or replaced.

All fasteners that are loose should be retightened or replaced.

All decorative trim pieces or moulding strips should have special attention to make certain there are no gaps or voids in the sealant tapes or caulking material. If any such places are observed, they should be resealed.

Roofs

The roofs should be checked to make certain that all vent pipe flashings are in place, properly attached, and properly sealed.

If your home has a metal roof installed, it should be carefully observed for any signs of cracks or holes.

All of the splice strips across the metal roof should be sealed with a caulking material at the roof edge, and any seam that has been cut through to install a vent pipe flashing should be sealed the entire width of the roof.

If you happen to have a shingled roof, the shingles should be checked for proper attachment, making certain that none are loose or have been displaced during transit.

Clearances

If there are any low-hanging trees or bushes adjacent to your home which could damage the exterior or the roof, they should be trimmed or cut accordingly. Future growth of these bushes or trees should be considered in connection with their possible movement during wind conditions or under snow or ice loads.

Caulking

There are many good brands of caulking material and roof sealers which can be purchased from local retail stores. Whatever brand of caulking and/or sealer is purchased, the instructions regarding application should be read closely. This will include any special preparation of the surface to be coated. Observe the labeling on this material for any notes concerning resistance to running or streaking the sides of the home. This can be very unsightly and in many cases extremely difficult to remove.

Summary

Well this should conclude the set-up portion in owning your home. We hope you enjoy your new investment for many years to come. Thanks for choosing Chief Industries/ Homes to assist you in achieving your dream!