PITT & STREET GYM-EDUCATION BL (E) COLORADO TRUSS SYSTEMS INC 20* W 17TH LOVELAND CO [illegible]37

PLATE	#	LEN	Y	X (MEMBER)
[illegible] GN20	4.0X	4.5	0.25	
[illegible] GN20	4.0X	4.5		
[illegible] GN20	2.0X	2.5		
4 [illegible] GN20	3.0X	3.0		
5 [illegible] GN20	2.0X	2.5		

DESIGN SPECS. ACCORDING TO UNIFORM BUILDING CODE, 1985
FABRICATION INSPECTION TO BE PROVIDED
IAW SECTION 2[illegible] 1719(A) UBC STANDARD 25-17
CONNECTOR PLATES IN ACCORDANCE WITH ICBO REPORTS 1SAP AND/OR 1695

REFER TO GANG-NAIL TECHNICAL BULLETIN # 444 FOR FRAMING PRODUCTS APPLICATION

GANG-NAIL [illegible] RECOMMENDED FOR LATERAL RESTRAINT OF NON-BEARING PARTITION WALLS

GANG-NAIL [illegible] RECOMMENDED FOR CONNECTION OF TRUSS TO BEARING WALLS

MEMBER FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC LENGTH	WEBS MEMBR FR-TO	FORCE (LBS)
1- 2	8200	7- 2- 0	6.000	34.0	6.0	2- 5	121T
2- 3	0	6-10- 0	6.000	34.0	8.0	2- 4	825'
3- 4	3050	0- 0- 0	-44.000 D	94.0	6.0		
4- 5	733T	6-10- 0	0.000	18.0	10.0		
5- 1	733T	7- 2- 0	0.000	15.0	10.0		

MAX. PURLIN SPACE= 6.0 FT MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
THE FOLLOWING BRACING APPLIES ONLY WHEN MEMBER(S) ARE NOT SHEATHED
1-1X4 LAT. BRACE REQD AT 1/2 LEN. WEBS 3- 4

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING BY OTHERS.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 6	MSR1650F-1.5E [illegible]
3- 4	2X 4	NO 3 D F L
4- 1	2X 4	MSR1450F-1.3E [illegible]
ALL WEBS	2X 4	NO 3 D F L

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA
TOP CH. LL= [illegible] PSF
DL= 17 PSF
BOT CH. LL= [illegible] PSF
DL= [illegible] PSF
TOTAL LOAD= [illegible] PSF

SPACING= 24 IN. O/C

INPUT DEFL. L/240

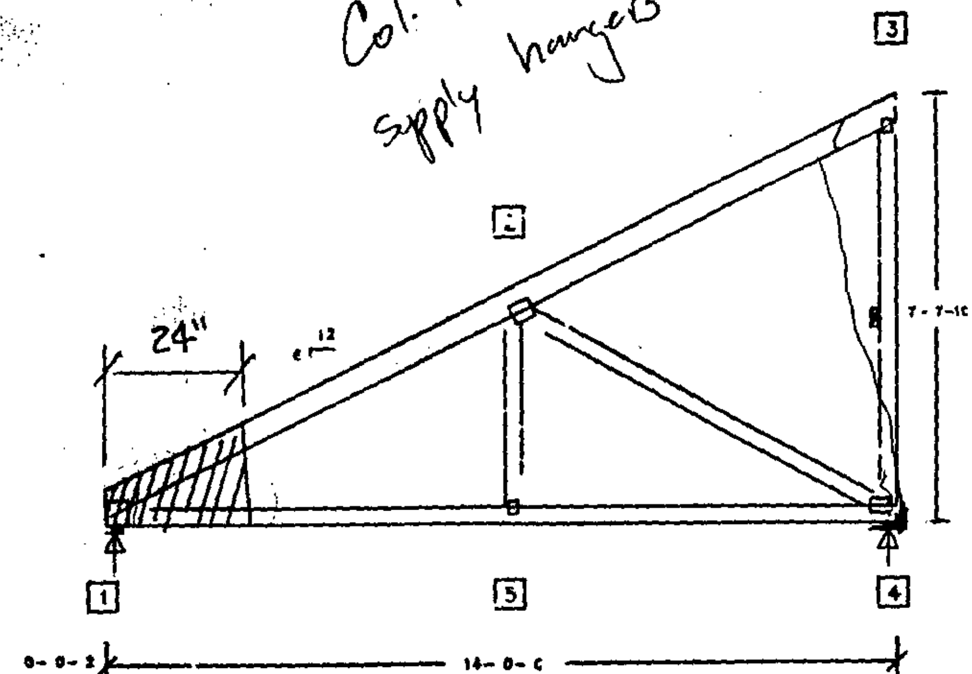
INCREASE PER CENT
LUMBER= [illegible] NAILS= [illegible]
[illegible]

NAIL VALUES PSI, NET
CHORDS WEBS
MAX MIN MAX MIN
[illegible] [illegible] [illegible] [illegible] [illegible]

LEFT OVERHANG = 2- 0- 2

Col. Truss will supply hangers

Five in Address File For 5055 South Lemay



JT	GROSS REACT	BRG IN-SX
1	735	3- 8
4	784	3- 8

CAMBER= 0-0/6
OVR-L= 7-10 P

1/2" PLYWOOD BOTH SIDES

STREET (GYM EDUCATION BLD'G) D-1 COLORADO TRUSS SYSTEMS, INC. 205 SW 12TH LOVELAND, CO 80537 CO

		#	LEN	Y	X (MEMBER)
	GN20	8.0X12.4	0.25		1.25(18- 1)
	GN20	2.0X 2.8			
	GN20	4.0X 4.5			
	GN20	4.0X10.1			3.29(3- 4)
	GN20	4.0X 4.5			
	GN20	2.0X 2.8			
	GN20	4.0X10.1			3.29(7- 8)
	GN20	4.0X 4.5			
	GN20	2.0X 2.8			
	GN20	8.0X12.4	0.25		1.25(10-11)
	GN20	4.0X 4.5			
	GN20	4.0X 4.5			
	GN20	4.0X 7.9			1.75(9-13)
	GN20	4.0X 4.5			1.75(9-14)
	GN20	4.0X 4.5			
	GN20	4.0X 4.5			

SPLICES
2- 3 SP10 GN20 3.0X 6.8
6- 6 SP10 GN20 3.0X 6.8
8- 9 SP10 GN20 3.0X 6.8
11-12 SP10 GN20 3.0X10.1
13-14 SP10 GN20 3.0X10.1
15-16 SP10 GN20 3.0X10.1

DESIGN SPECS. ACCORDING TO UNIFORM BUILDING CODE,1985
FABRICATION INSPECTION TO BE PROVIDED (AW SECTION 25.1739(A) UBC STANDARD 25-17
CONNECTOR PLATES IN ACCORDANCE WITH ICBO REPORTS 1328 AND/OR 1825

REFER TO GANG-NAIL TECHNICAL BULLETIN # 184 FOR FRAMING PRODUCTS APPLICATION

LUMBERLOK "KITC" RECOMMENDED FOR LATERAL RESTRAINT OF NON-BEARING PARTITION WALLS

LUMBERLOK "KH2.5" RECOMMENDED FOR CONNECTION OF TRUSS TO BEARING WALLS

MEMBER	FORCE (LBS)	CHORDS HOR DISP FT-IN-8A	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBER FORCE	WEBS (LBS)
PR-TO						PR-TO	
1- 2	6125C	0- 0- 0	6.000	84.0	3.1	1-18	9270
2- 3	5731C	0- 0- 5	6.000	84.0	3.3	2-18	812T
3- 4	4750C	0- 0- 5	6.000	84.0	3.6	3-18	887C
4- 5	4817C	0- 0-13	0.000	84.0	3.2	4-18	796T
5- 6	4817C	0- 0- 3	0.000	84.0	3.2	4-14	940T
6- 7	4817C	0- 0-16	0.000	84.0	3.2	5-14	928C
7- 8	4750C	0- 0- 5	-0.000	84.0	3.6	5-13	0
8- 9	5731C	0- 0- 5	-0.000	84.0	3.3	6-13	828C
9-10	6125C	0- 0- 0	-0.000	84.0	3.1	7-13	940T
10-11	5478T	0- 0- 0	0.000	18.0	10.0	7-12	790T
11-12	4865T	0- 0- 0	0.000	18.0	10.0	8-12	897C
12-13	4269T	0- 0-15	0.000	18.0	10.0	8-11	812T
13-14	4817T	0- 0- 3	0.000	18.0	10.0	8-11	527C
14-15	4269T	0- 0-15	0.000	18.0	10.0		
15-16	4865T	0- 0- 0	0.000	18.0	10.0		
16- 1	5478T	0- 0- 0	0.000	18.0	10.0		

MAX. PURLIN SPACE= 3.1 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
1-1X4 LAT. BRACE REQD. AT 1/2 LEN. WEBS 2-18 5-14 8-13 8-12

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING BY OTHERS.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 6	WSR1650F-1.5E S.P.F
4- 7	2X 6	WSR1650F-1.5E S.P.F
7-10	2X 6	WSR1650F-1.5E S.P.F
10- 1	2X 6	WSR1650F-1.5E S.P.F.
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA
TOP CH. LL= 30 PSF
DL= 17 PSF
BOT CH. LL= 0 PSF
DL= 8 PSF
TOTAL LOAD= 55 PSF

SPACING= 24 IN. C/C

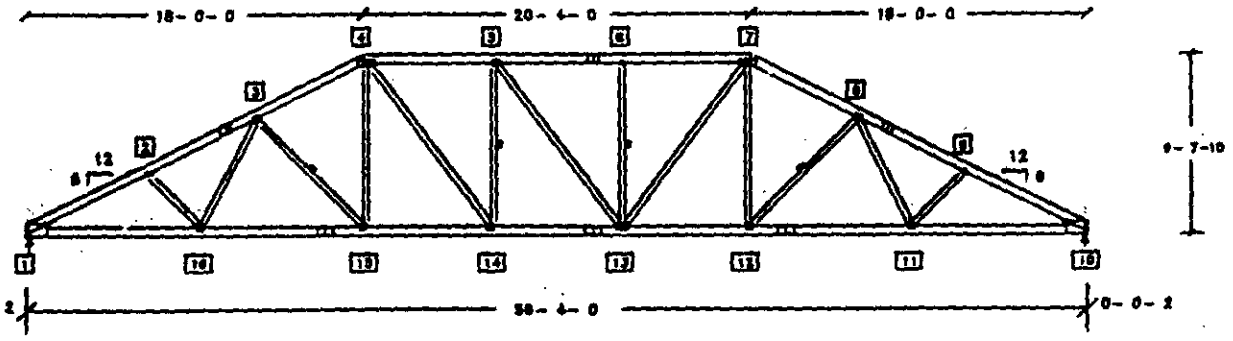
INPUT DEFL. L/240

INCREASES(PER CENT)
LUMBER= 15 NAIL= 0
TCH LL= 15 BCH LL= 0

	NAIL VALUES(PEI) CHORDS MAX MIN	WEBS MAX MIN
GN20	138 99	183 143

LEFT OVERHANG = 0- 0- 2
RIGHT OVERHANG= 0- 0- 2

Col. Truss will Supply Hangers



AT	GROSS REACT	INPUT RECORD BRG IN-EX	BRG IN-EX	HEEL MEDGE
1	3156	3- 8	4-15	2X 4
16	3156	3- 8	4-15	2X 4

CAMBER= 0-3/8
OH= 7-10 P

SEE "D"

DEC 29 .988

JBC

MCDEVITT STREET (GYM EDUCATION BLDG)   9   COLORADO TRUSS SYSTEMS, INC. 205 SW 12TH LOVELAND, CO

JT	TYPE		W LEN	Y	X (MEMBER)
1	ML01	CN20	8.0X12.4	0.25	1.28(16- 1)
2	IW11	CN20	2.0X 2.4		
3	IW02	CN20	4.0X 4.5		
4	HP12	CN20	4.0X 8.0		3.28(3- 4)
5	IW02	CN20	4.0X 4.5		
6	IW11	CN20	2.0X 2.8		
7	HP12	CN20	4.0X 8.0		3.28(7- 8)
8	IW02	CN20	4.0X 4.8		
9	IW11	CN20	2.0X 2.4		
10	ML01	CN20	8.0X12.4	0.25	1.28(10-11)
11	IW02	CN20	4.0X 4.5		
12	IW02	CN20	6.0X 4.5		2.73(7-12)
13	IW03	CN20	4.0X 7.9		
14	IW02	CN20	4.0X 4.5		
15	IW02	CN20	4.0X 4.5		2.73(4-13)
16	IW02	CN20	4.0X 4.5		

SPLICES

2- 3	SP10	CN20	5.0X 6.8
6- 7	SP10	CN20	5.0X 6.8
8- 9	SP10	CN20	5.0X 6.8
11-12	SP10	CN20	5.0X10.1
13-14	SP10	CN20	5.0X 7.9
15-16	SP10	CN20	5.0X10.1

DESIGN SPECS. ACCORDING TO UNIFORM BUILDING CODE 1985
FABRICATION INSPECTION TO BE PROVIDED
PER SECTION 25.1730(A) UBC STANDARD 25-17
CONNECTOR PLATES IN ACCORDANCE WITH ICBO REPORTS 1329 AND/OR 1595

REFER TO GANG-NAIL TECHNICAL BULLETIN # 104 FOR FRAMING PRODUCTS APPLICATION

LUMBERLOK "RSTC" RECOMMENDED FOR LATERAL RESTRAINT OF NON-BEARING PARTITION WALLS

LUMBERLOK "HH2.5" RECOMMENDED FOR CONNECTION OF TRUSS TO BEARING WALLS

C H O R D S						W E B S	
MEMBR FR-TO	FORCE (LBS)	HOR DIST FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC LENGTH	MEMBR FR-TO	FORCE (LBS)
1- 2	6035C	7- 1- 6	8.000	94.0	3.0	2-16	556C
2- 3	5589C	6- 5- 5	8.000	94.0	3.2	3-16	678T
3- 4	4503C	6- 3- 8	8.000	94.0	3.6	3-15	997C
4- 5	4357C	5- 5-15	0.000	94.0	3.8	4-15	858T
5- 6	4357C	5- 4- 3	0.000	94.0	3.8	4-14	845T
6- 7	4357C	5- 5-15	0.000	94.0	3.8	5-14	534C
7- 8	4503C	6- 5- 5	-8.000	94.0	3.6	5-13	0
8- 9	5589C	6- 3- 8	-8.000	94.0	3.2	6-13	534C
9-10	6035C	7- 1- 6	-8.000	94.0	3.0	7-13	688T
10-11	5398T	10- 4- 0	0.000	18.0	10.0	7-12	858T
11-12	4714T	9- 8- 0	0.000	18.0	10.0	8-12	997C
12-13	4027T	5- 5-15	0.000	18.0	10.0	8-11	678T
13-14	4357T	5- 4- 3	0.000	18.0	10.0	9-11	556C
14-15	4027T	5- 5-15	0.000	18.0	10.0		
15-16	4714T	9- 8- 0	0.000	18.0	10.0		
16- 1	5398T	10- 4- 0	0.000	18.0	10.0		

MAX. PURLIN SPACE= 3.0 FT.   MAX. UNBRACED BOT. CH. LEN. = 10.0 FT.
1-1X4 LAT. BRACE REQD. AT 1/2 LEN. WEBS 3-15 5-14 6-13 8-12

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING BY OTHERS.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 6	MSR1650F-1.5E S.P.F.
4- 7	2X 6	MSR1650F-1.5E S.P.F.
7-10	2X 6	MSR1650F-1.5E S.P.F.
10- 1	2X 6	MSR1650F-1.5E S.P.F.
ALL WEBS	2X 4	NO.3 D.F.L.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA
TOP CH. LL= 30 PSF
DL= 17 PSF
BOT CH. LL= 0 PSF
DL= 9 PSF
TOTAL LOAD= 56 PSF

SPACING= 24 IN. C/C

INPUT DEFL. L/240

INCREASES(PER CENT)
LUMBER= 15 NAIL= 0
TCH LS= 15 BCH LS= 0

NAIL VALUES(PSI) NET

	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
CN20	135	99	183	142

LEFT OVERHANG = 0- 0- 2
RIGHT OVERHANG= 0- 0- 2

REVIEWED
HKS/STRUCTURAL

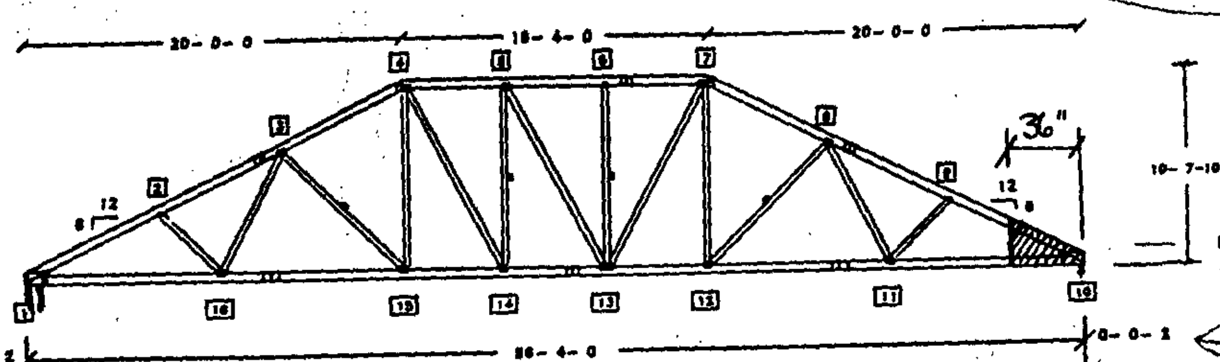
REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THIS SHALL NOT BE INTERPRETED AS AN APPROVAL OR RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY.

☒ NO EXCEPTION TAKEN Date 4/12/89
☐ SEE COMMENTS By

Col. Truss will supply Hangers

They would like to take a notch out of the end 6 3/4 x 4

RECEIVED
APR 11 1989
HKS STRUCTURAL DEPARTMENT



INPUT RECORD

JT	GROSS REACT	BRG IN-SX	BRG IN-SX	HEEL WEDGE
1	3150	3- 8	4-15	2X 4
10	3150	3- 8	4-15	2X 4

CAMBER= 0-5/8
OHR= 7-10.9

5/8" PLY WOOD AS SHOWN w/43 [redacted] 12d NAILS (CLINCHED) IN (BOTH SIDES) 6 7/4
TOP CHORD : 43 H
BOT CHORD (2 ROWS 3" o.c. STAGGERED)

223-1598

84

DEC 20 1988