

**1 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

PROVIDE TYP. CIRCLE PATTERN OF SCREWS W/ MIN. DIA OF 6" & W/ MIN. OF FASTENERS AS SHOWN TYPICAL.

**2 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

TYPICAL CONN. NOTE: PROVIDE 6-8X1/2 WAFFER SELF DRILLING SCREWS BY 'GRABBER'. NO SUBSTITUTION PERMITTED W/O APPROVAL.

**3 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

**7 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

**4 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

**5 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

**6 DETAIL**  
 LG-2 SCALE 1/2"=1'-0"

**A SECTION**  
 LG-2 NO SCALE

**A DETAIL**  
 LG-2 SCALE 3/4"=1'-0"

**A SECTION**  
 LG-2 SCALE 3/4"=1'-0"

REVISIONS	

SOUTHCHASE VILLAGE SHOPPING CENTER  
 ORANGE COUNTY, FLORIDA  
 LIGHTGAUGE ENGINEERING - A SPECIALTY

FILE: VILLA2

designed	EF.
drawn	EF.
checked	EF.
date	3/1/90

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drawing number  
**LG-2**

**GENERAL NOTES**

- LIGHTGAUGE METAL FRAMING**
- A. STANDARDS**
- ASTM A-446 STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
  - AWS "CODE FOR WELDING IN BUILDING CONSTRUCTION, D13".
  - ANSI Z49.1 - 1973 "SAFETY IN WELDING AND CUTTING".
  - AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", 1980 EDITION.
  - FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY STEEL SHEET WITH A MINIMUM YIELD POINT OF 40,000 PSI FOR STUDS AND GUSSET PLATES; AND 33,000 PSI FOR RUNNERS; ASTM A-446.
  - FASTENERS SHALL BE AS SHOWN ON THESE DESIGN DOCUMENTS.
  - PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A-525 WITH A G-60 COATING.
  - "C" - SHAPES STUDS: MANUFACTURER'S STANDARD STRUCTURAL STEEL STUDS OF SIZE, SHAPE AND GAGE INDICATED WITH A 1 5/8" FLANGE AND 1/2" FLANGE RETURN LIP.

1 ENGINEER OF RECORD, PLEASE VERIFY SLENDerness OF THESE EXIST STRUCTURAL MEMBERS TO INSURE LATERAL STABILITY OF PROVIDED FRAMING. SPECIALTY ENGINEER ASSUMES THE EXIST STRUCTURE TO BE STABLE AND TO PROVIDE NO LOAD OR SWAY TRANSFER ONTO LIGHT-GAUGE DESIGN.

NOTE: PROVIDE 800TBDL10 FOR SOLID BRIDGING MEMBERS AS SHOWN. BRIDGING IS TO ALTERNATE VERTICAL PLANES SUCH THAT ALL TRUSSES ARE ALWAYS BRIDGED IN RELATION TO EACH OTHER, WITH THE ASSURANCE OF STABILITY.

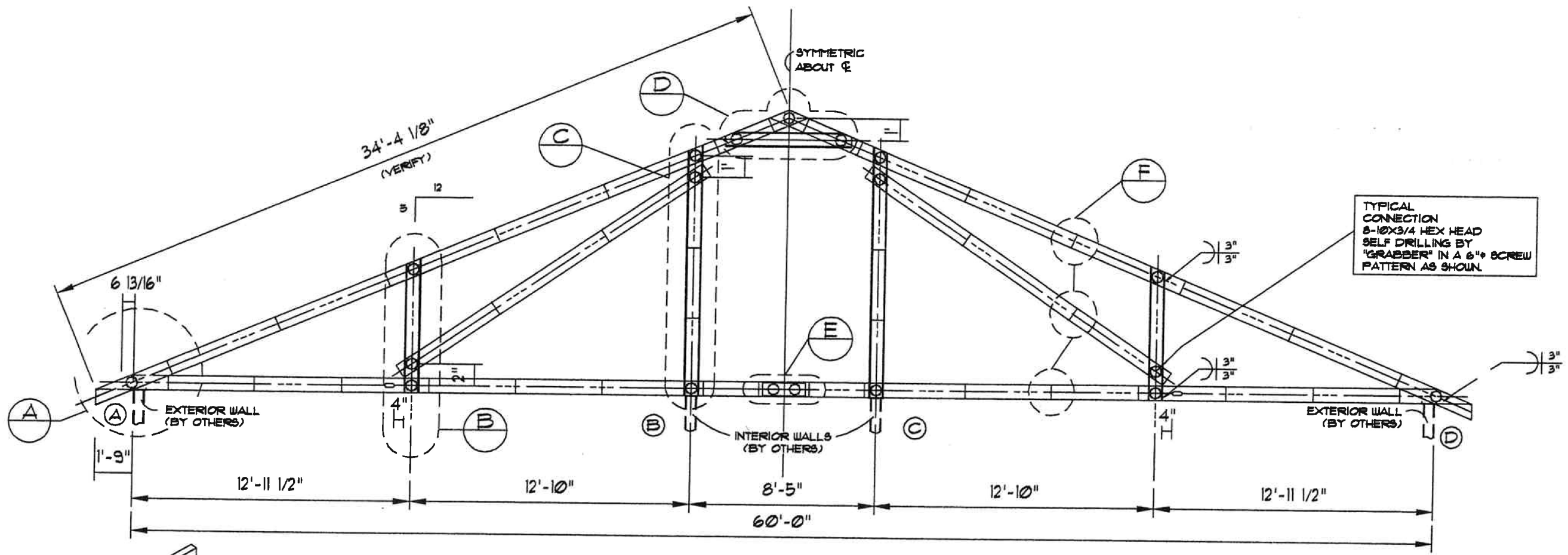
2 PROVIDE L4X4X1/8 GAX0'-6", TYP.

FULL WIDTH

1" RETURN

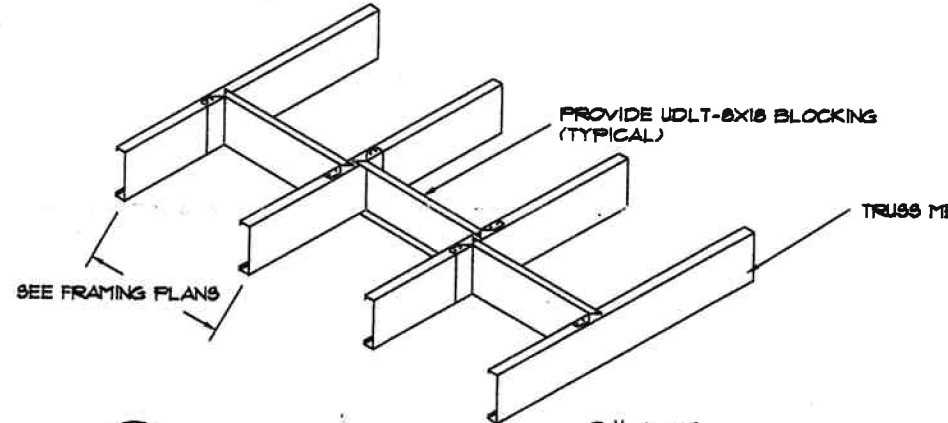
2", EA. SIDE

REFER TO 5/LG-2 FOR CONN. DETAIL

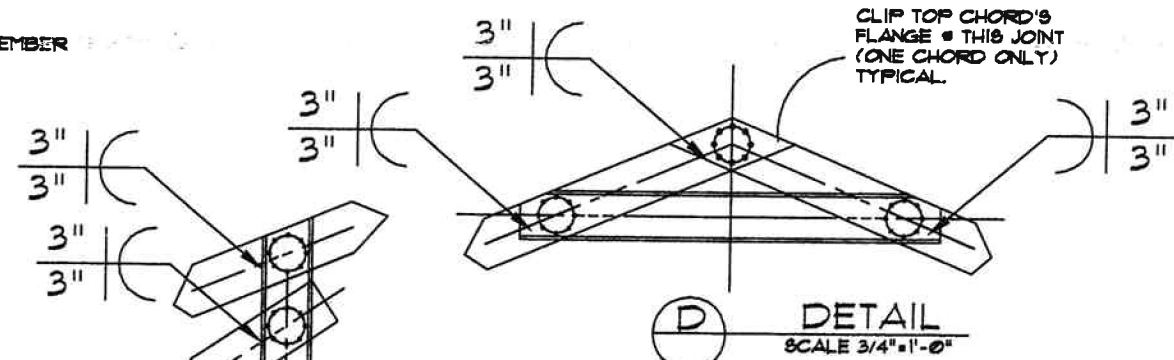


TRUSS "T-1" ELEVATION and DETAILS  
scale 3/8"=1'-0"

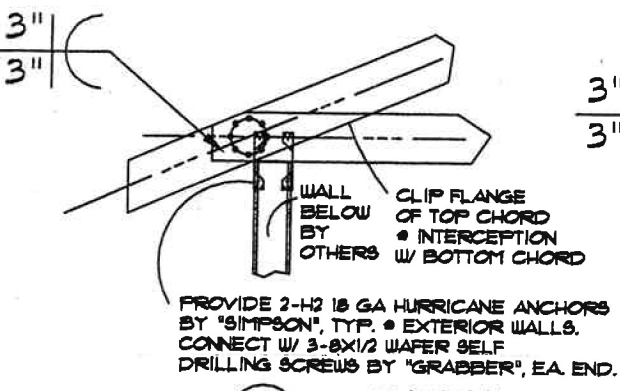
TYPICAL CONNECTION  
8-10X3/4 HEX HEAD  
SELF DRILLING BY  
"GRABBER" IN A 6" SCREW  
PATTERN AS SHOWN.



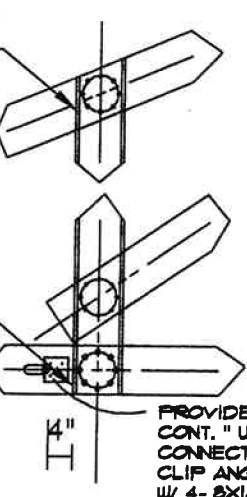
F DETAIL  
NO SCALE



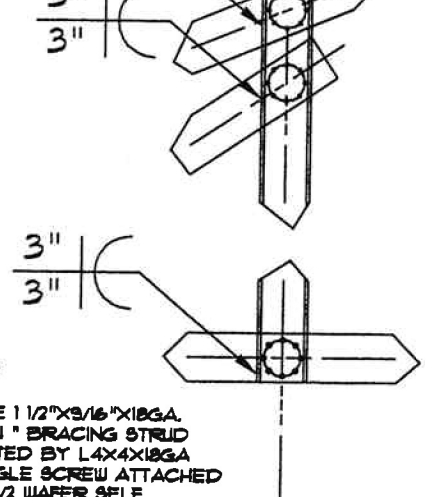
D DETAIL  
SCALE 3/4"=1'-0"



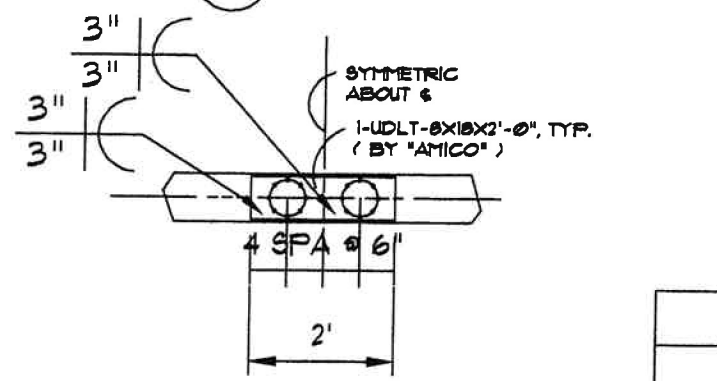
A DETAIL  
SCALE 3/4"=1'-0"



B DETAIL  
SCALE 3/4"=1'-0"



C DETAIL  
SCALE 3/4"=1'-0"



E DETAIL  
SCALE 3/4"=1'-0"

**GENERAL NOTES**

- DESIGN CRITERIA**
- STANDARD BUILDING CODE, LATEST EDITION WITH AMENDMENTS.
  - AMERICAN IRON & STEEL INSTITUTE CODE, LATEST EDITION.
  - LOADS:
    - ROOF: DESIGN DEAD LOAD 7 PSF
    - DESIGN LIVE LOAD 16 PSF
    - CEILING: DESIGN DEAD LOAD 9 PSF
    - WIND: 90 MPH
- LIGHTGAUGE METAL FRAMING**
- ASTM A-446 STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
  - PROVIDE UCJ-2X8X16(33) BY AMICO ALABAMA METAL INDUSTRIES CORP. (33 KSI YIELD MIN)
  - FASTENERS BY "GRABBER".

**TRUSS T-1 REACTION SCHEDULE**

LOADING COMBINATIONS	SUPPORT POINTS							
	A		B		C		D	
	HOR. (KIPS)	VERT. (KIPS)	HOR. (KIPS)	VERT. (KIPS)	HOR. (KIPS)	VERT. (KIPS)	HOR. (KIPS)	VERT. (KIPS)
UL + DL	0.65	-0.209	0.188	0.486	-0.177	0.565	-0.602	-0.206
DL + LL	-0.206	1.15	-0.964	3.329	0.984	3.329	0.206	1.15

NOTE: WORK WITH ELEVATION FOR CONNECTION REQUIREMENTS AND GENERAL CONFIGURATION. PROVIDE UCJ-2X8X16(33) TYPICAL, REFER TO GENERAL NOTES.

designed	EF
drawn	EF
checked	EF
date	3/10/88

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drawing number

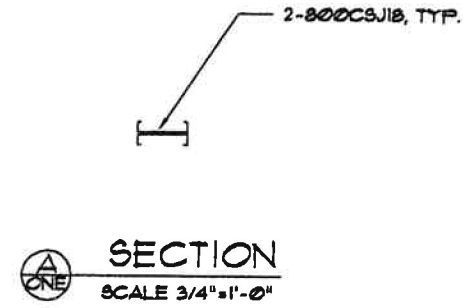
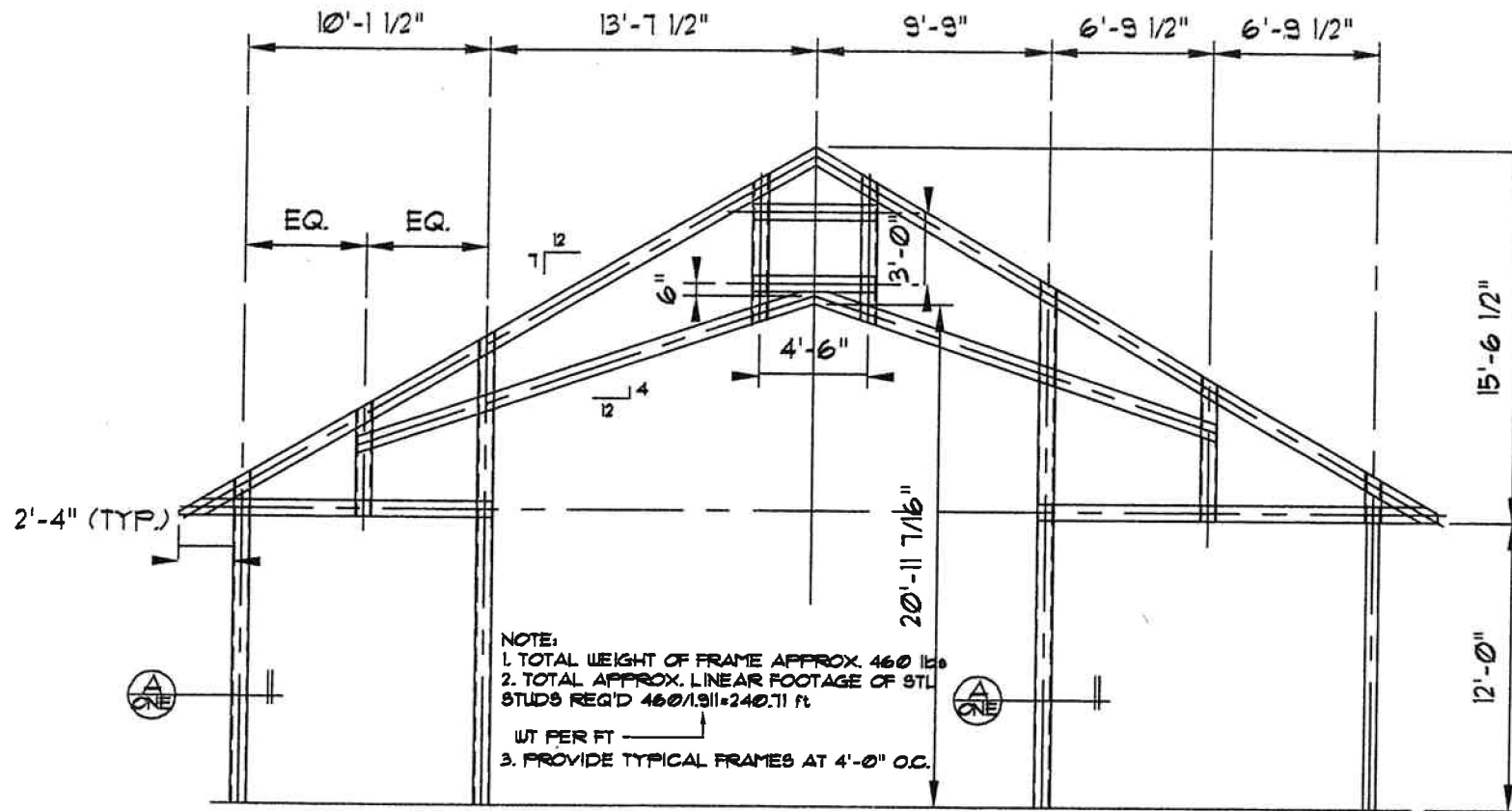
LG-5



**GENERAL NOTES**

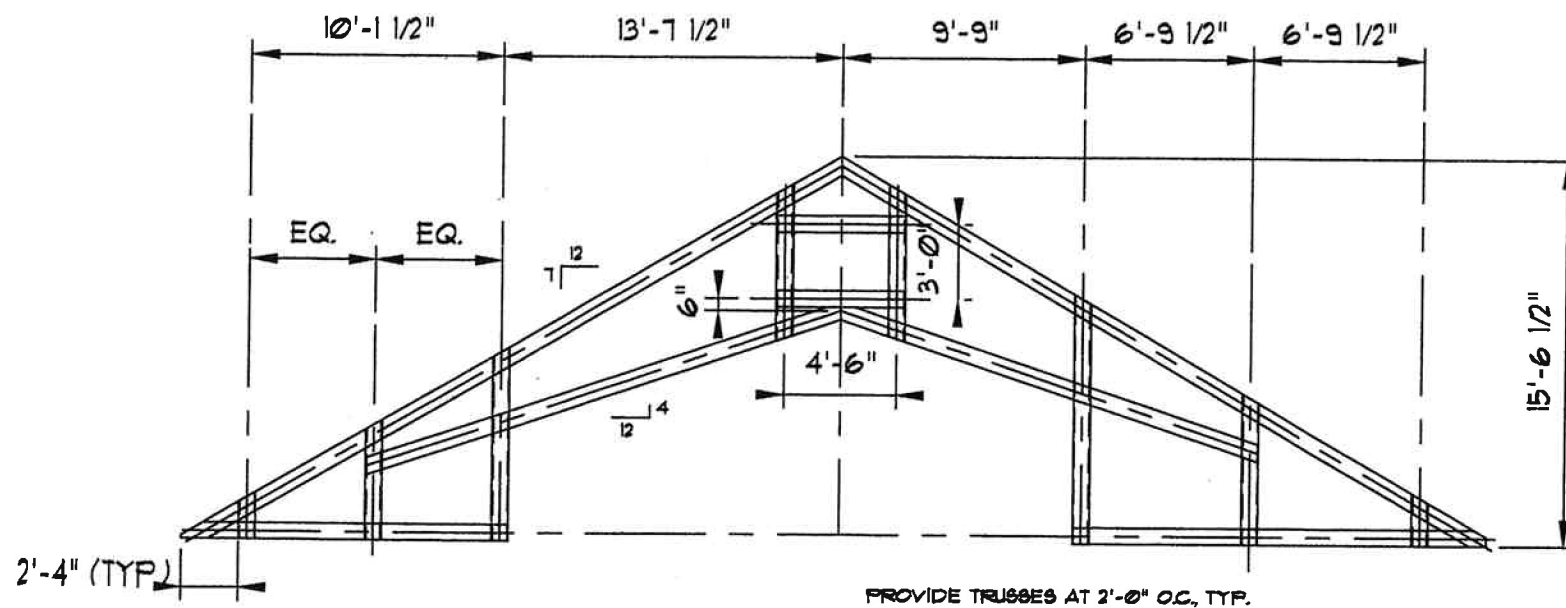
1. THIS DRAWING TO BE USED FOR ESTIMATING PURPOSES ONLY. NOT FOR CONSTRUCTION.
2. PROVIDE 800CSJ18 TYPICAL LT-GAUGE MEMBERS EXCEPT AS NOTED ON SECTION 'A', WHERE 2-800CSJ18'S ARE REQ'D.
3. FINAL CONNECTIONS' DESIGN WILL BE DETERMINED AT TIME OF FINAL DESIGN DOCUMENTS.
4. PROVIDE 800TBL20 BRACING AT 5'-0" SPACING MAX, TYPICAL.

REVISIONS	



**PROPOSED FRAMING FOR ARCHITECTURAL SECTION 1/4**

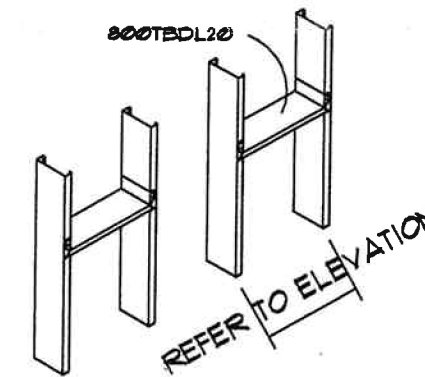
SCALE 1/4"=1'-0"



**PROPOSED FRAMING FOR ARCHITECTURAL SECTION 1/4**

(TRUSS ONLY)

SCALE 1/4"=1'-0"



**TYPICAL BRACING DETAIL**

PROPOSED PRELIMINARY  
 FRAMING FOR MR. CANUP'S  
 LIGHT-GAUGE HOME

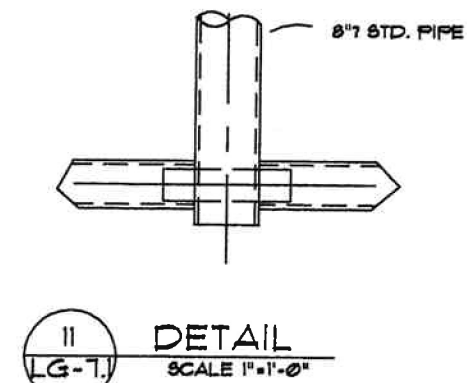
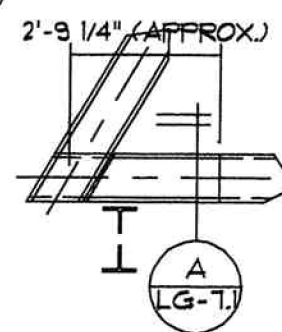
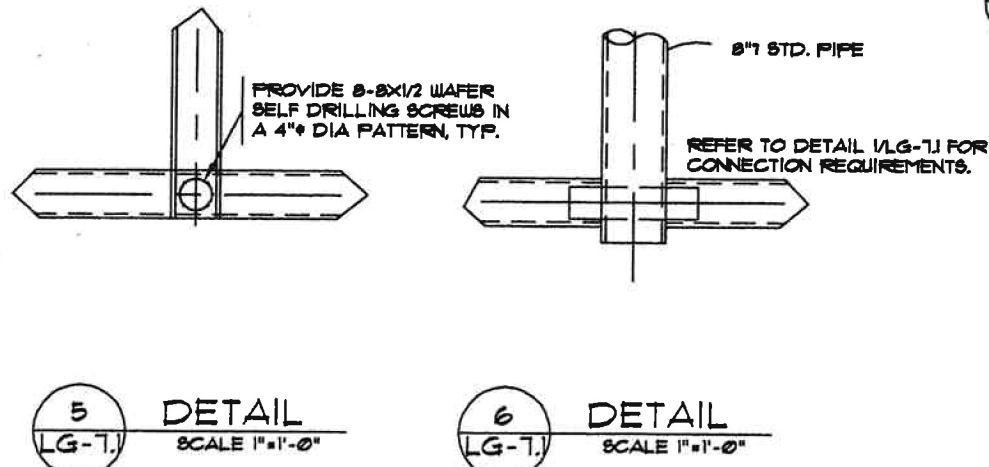
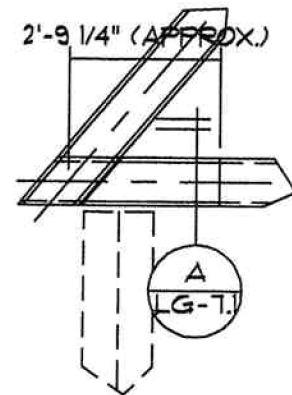
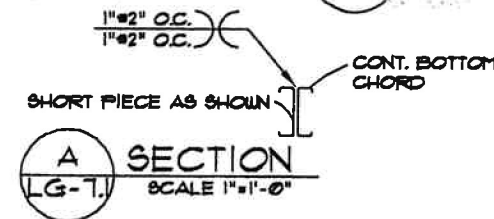
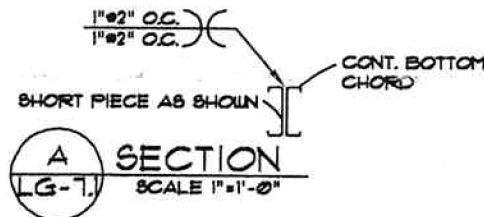
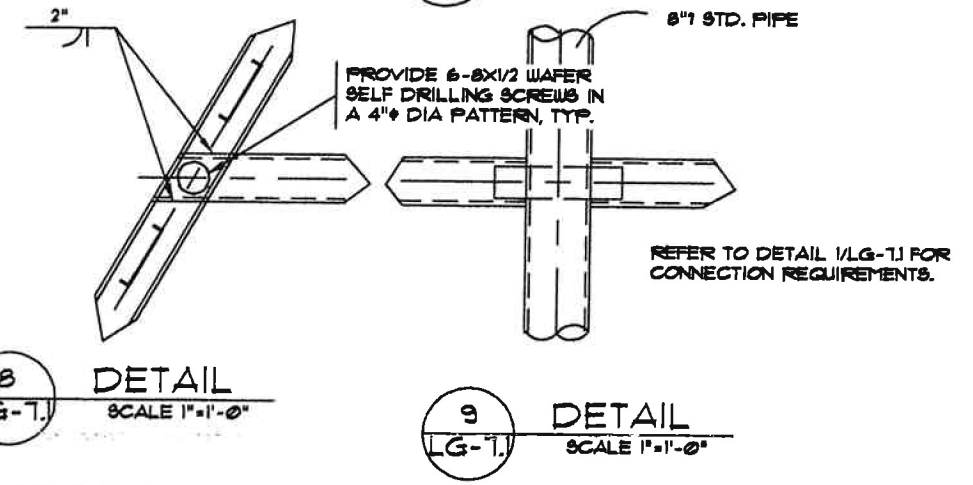
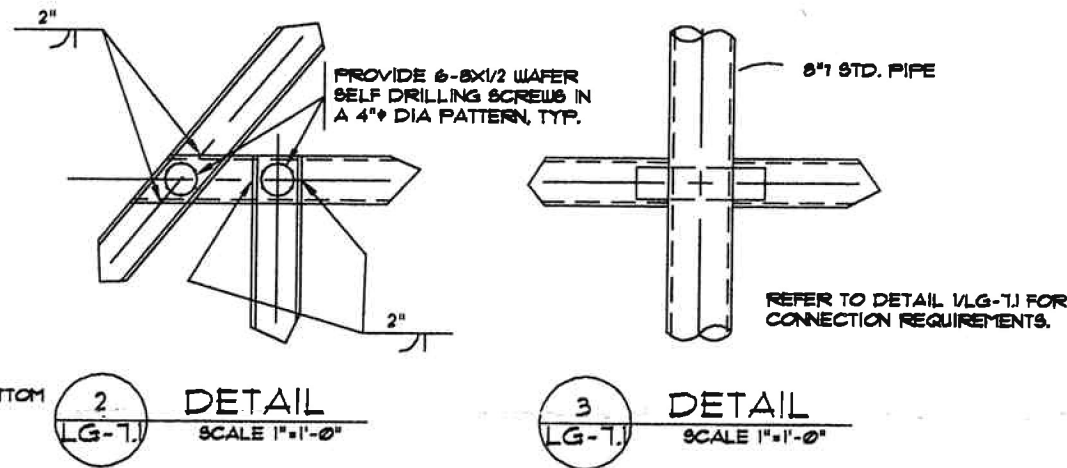
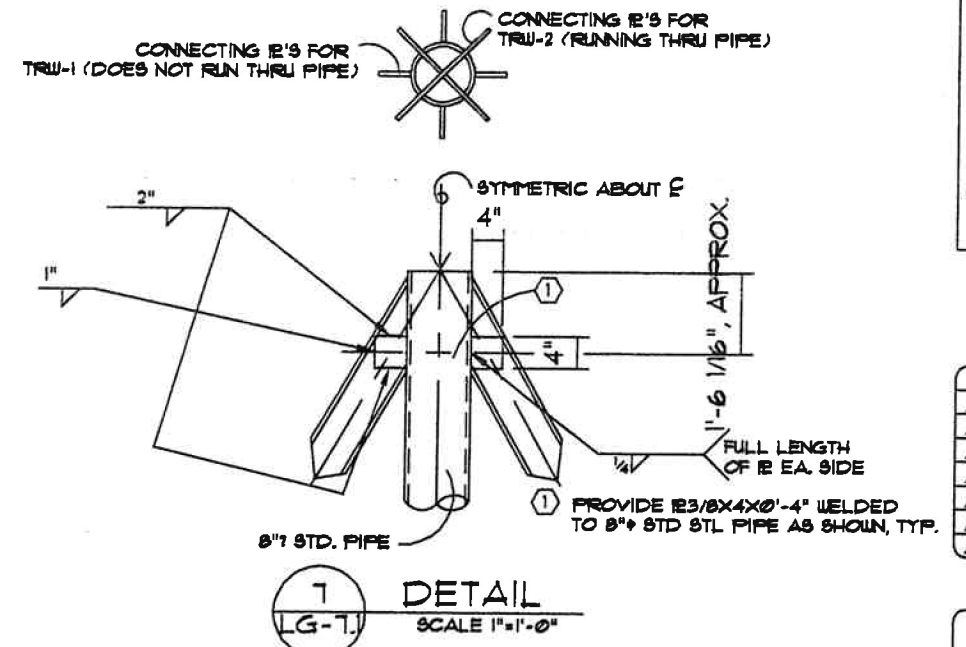
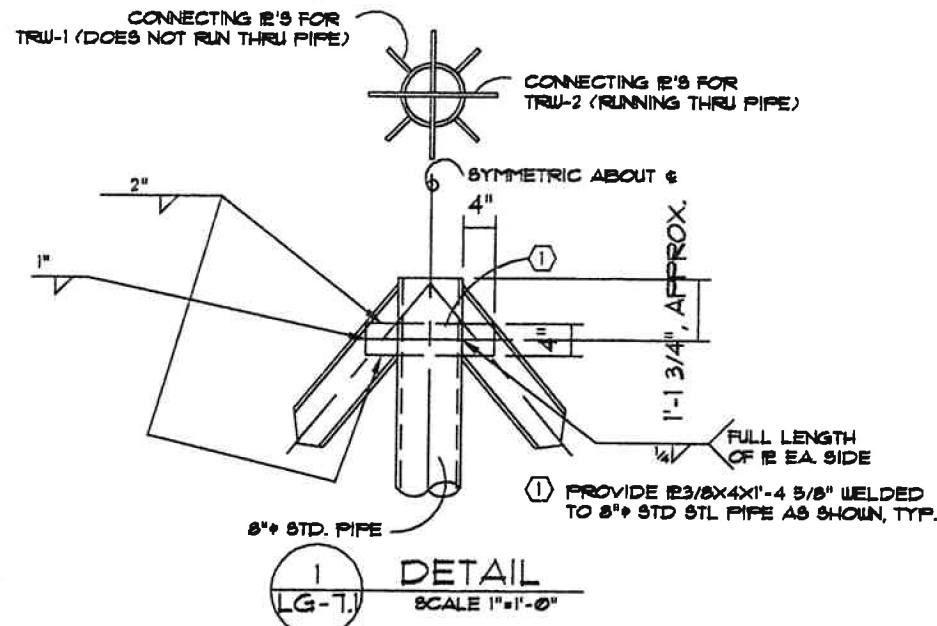
FILE: CANUP1

designed	EF.
drawn	EF.
checked	EF.
date	1/3/91

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drawing number

ONE



TOWER TRUSS TRU-2 - DETAILS

TOWER TRUSS TRU-1 - DETAILS

REVISIONS	

SOUTHCHASE VILLAGE  
 SHOPPING CENTER  
 ORANGE COUNTY, FLORIDA  
 LIGHTGAUGE ENGINEERING - A SPECIALTY -

FILE: TOWERAA

designed	EF.
drawn	EF.
checked	EF.
date	5/15/90

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drawing number

LG-7.1

REVISIONS	
▲	
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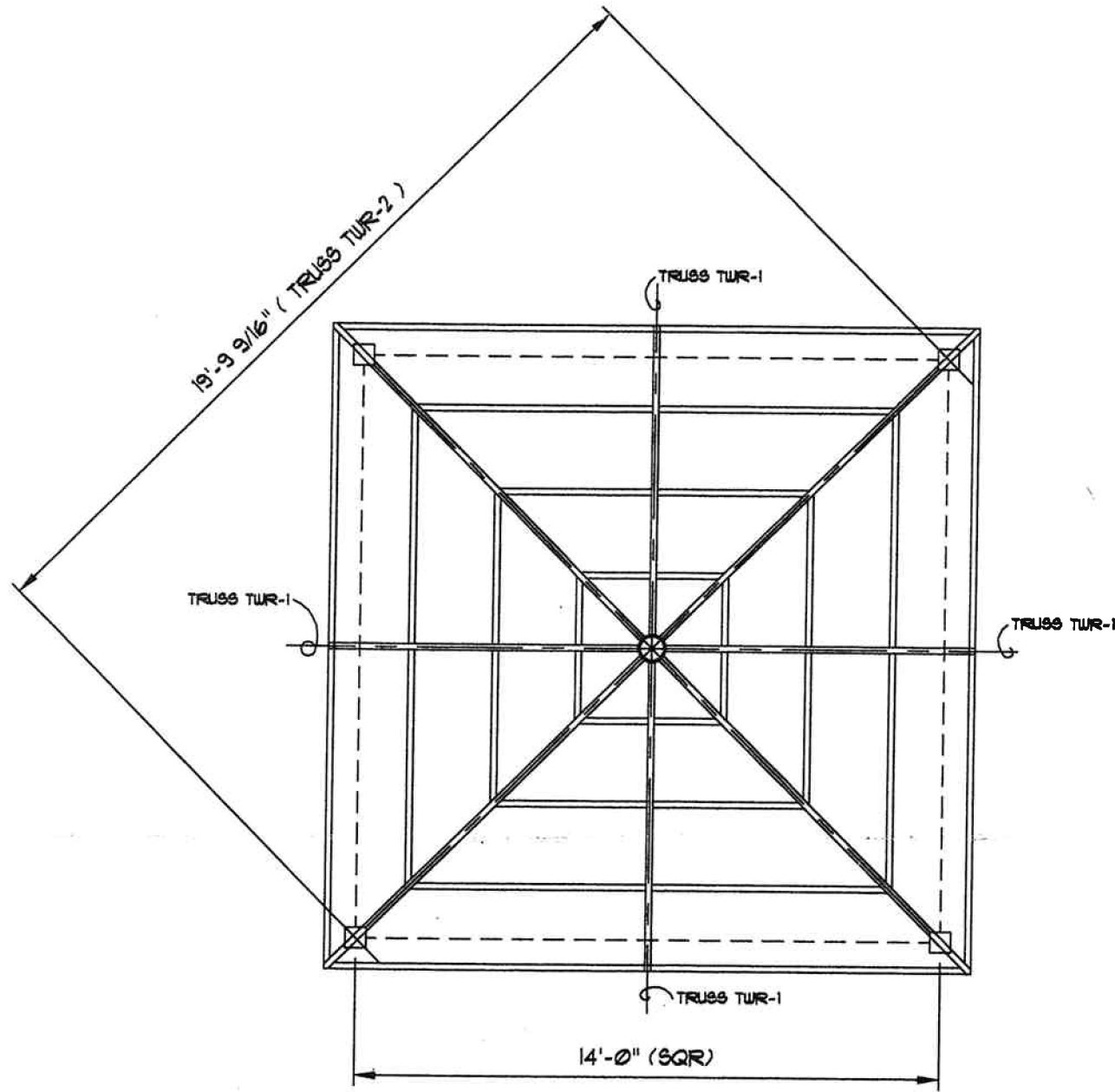
SOUTHCHASE VILLAGE  
 SHOPPING CENTER  
 ORANGE COUNTY, FLORIDA.  
 LIGHTGAUGE ENGINEERING - A SPECIALTY -

FILE: TOWERA

designed	EF.
drawn	EF.
checked	EF.
date	5/15/90

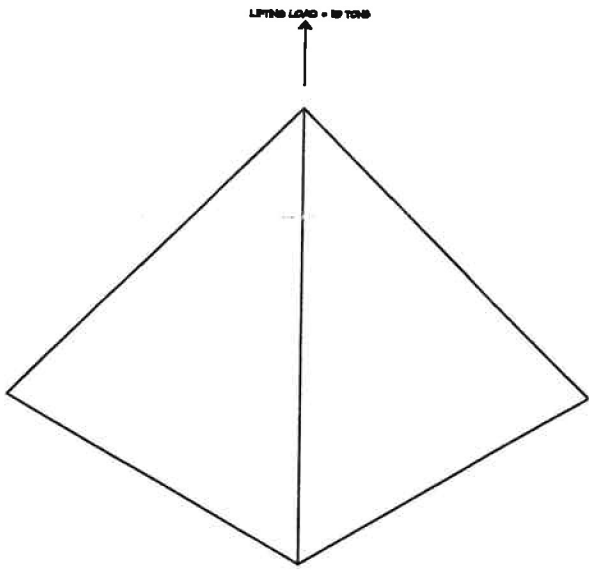
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drawing number  
**LG-7**

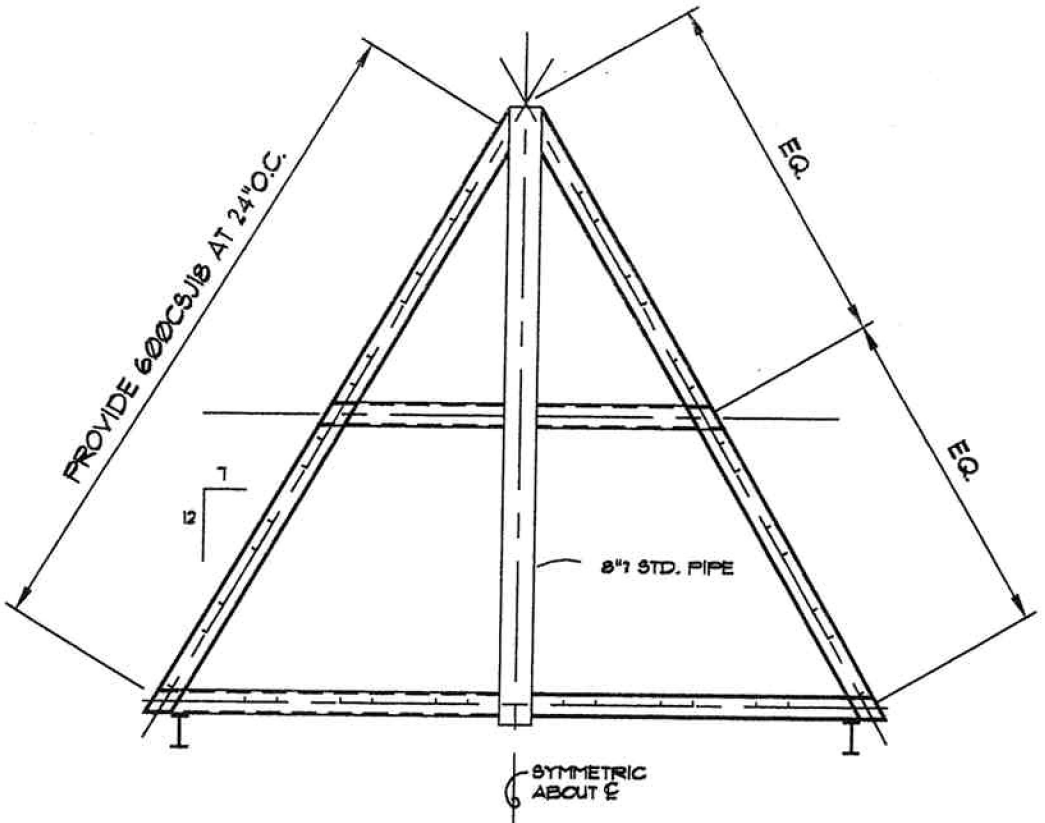


**TOWER "A" - ROOF FRAMING PLAN**  
 SCALE 1/2"=1'-0"

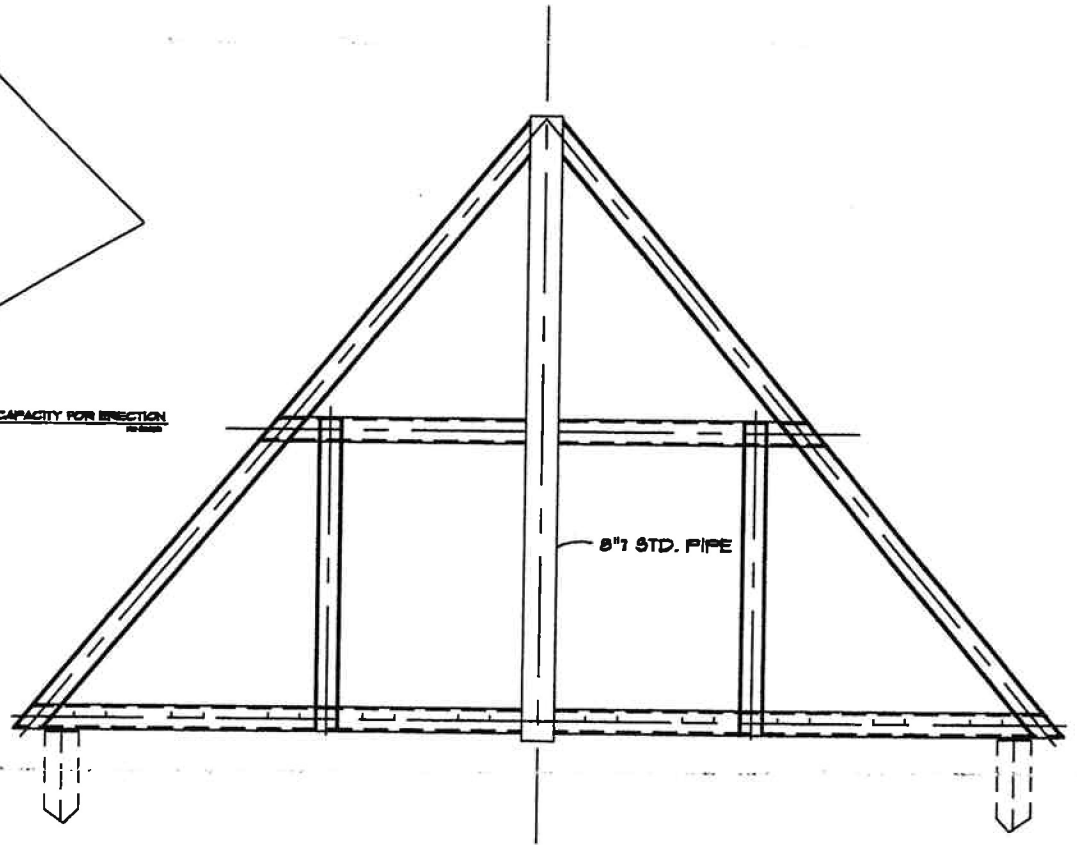
NOTE: FOR PURPOSES OF CLARITY NOT ALL JOISTS HAVE BEEN SHOWN. ALL BRIDGING HAS BEEN OMITTED. WORK W/ GENERAL NOTES ON THIS DWG.  
 REFER TO LG-7J FOR DETAILS  
 USE 600C8J18 FOR TYPICAL JOIST  
 DOUBLE STUDS FOR SPANS GREATER THAN 4'-0", CONNECT TO TRUSSES W/ L4X4X1/8GA AND 8-8X1/2 WAFER SCREWS IN 4" SCREW PATTERN, TYP.



NEED LIFTING CAPACITY FOR DIRECTION



**TOWER TRUSS TRW-1 (2 REQ'D)**  
 SCALE 1/2"=1'-0"



**TOWER TRUSS TRW-2 (2 REQ'D)**  
 SCALE 1/2"=1'-0"



REVISIONS	

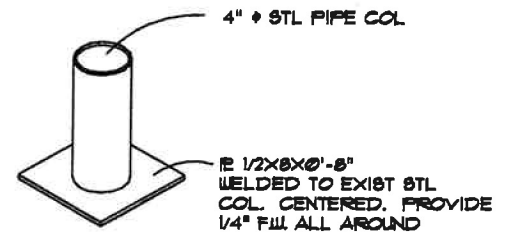
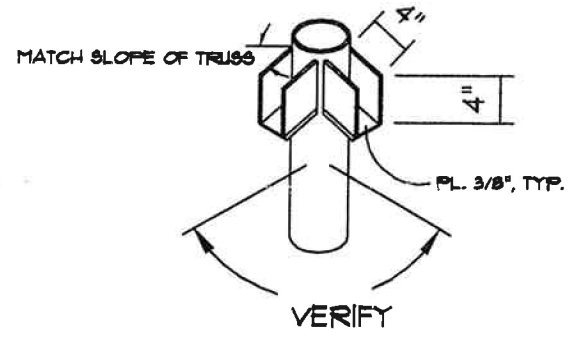
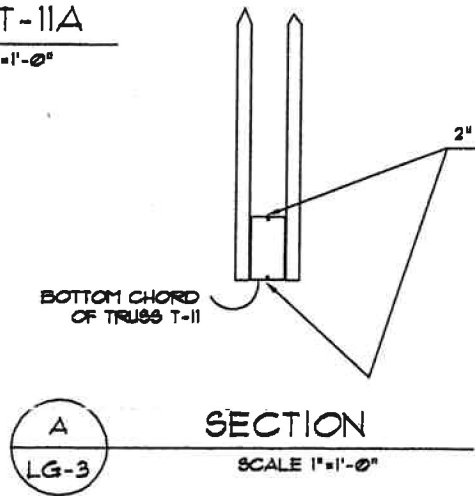
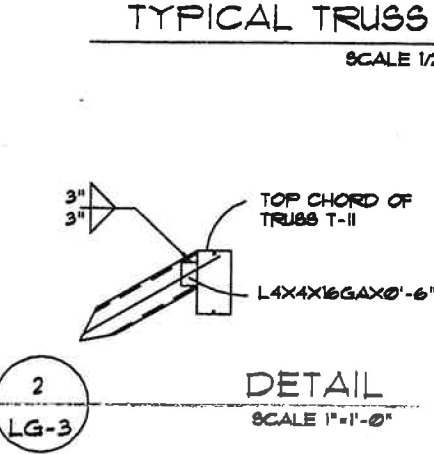
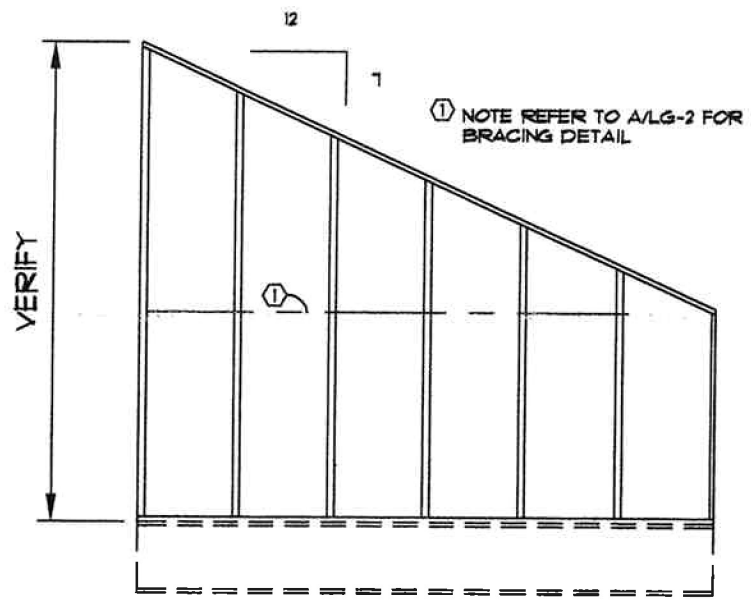
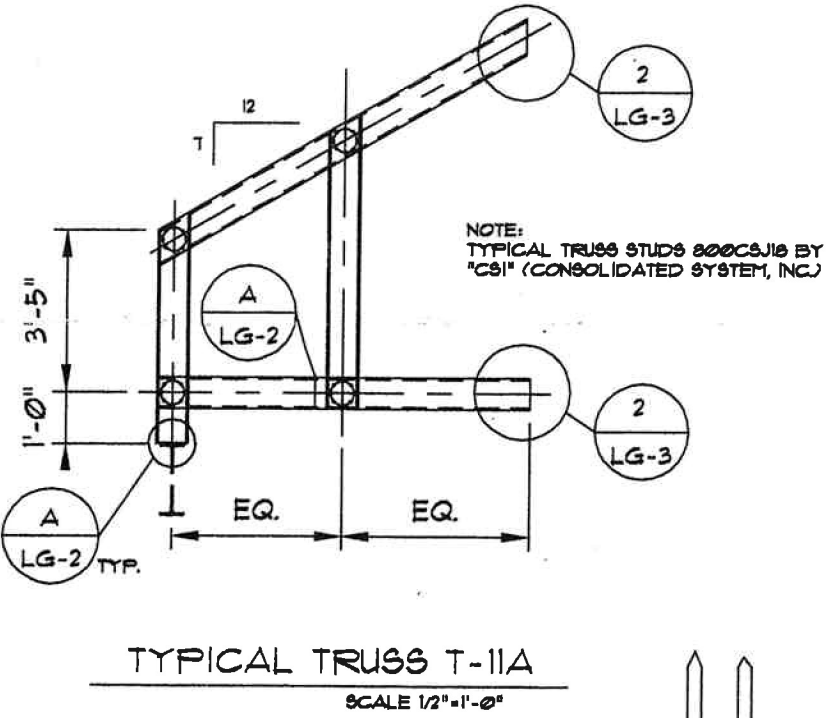
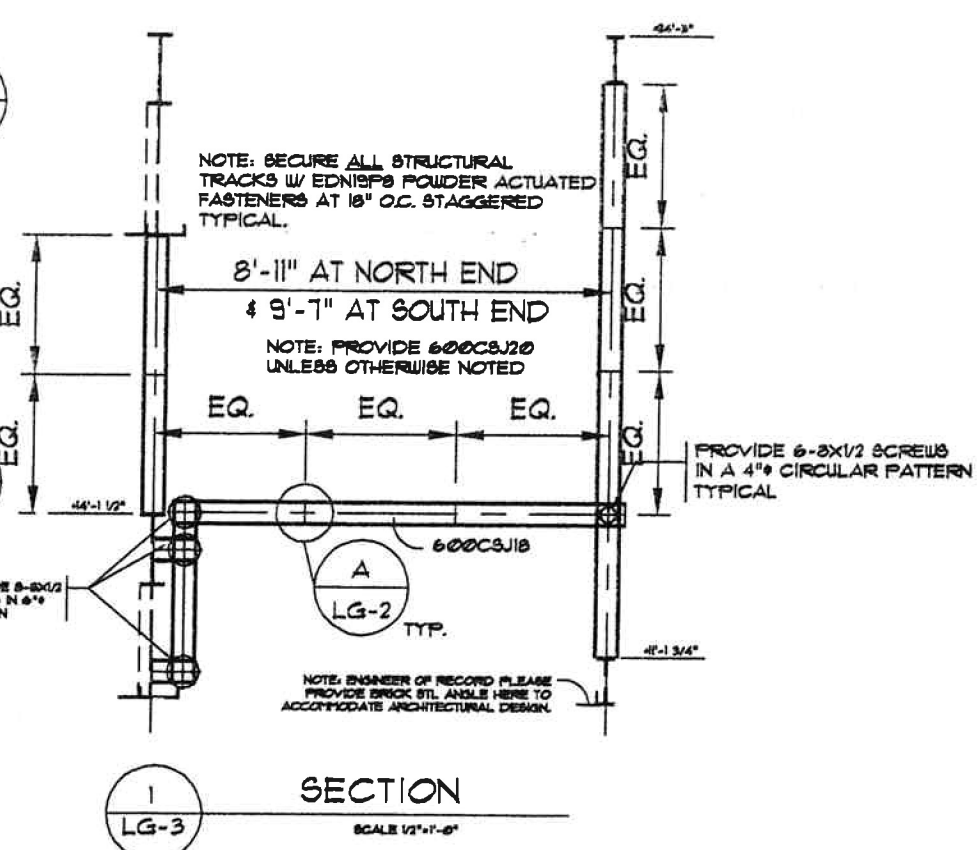
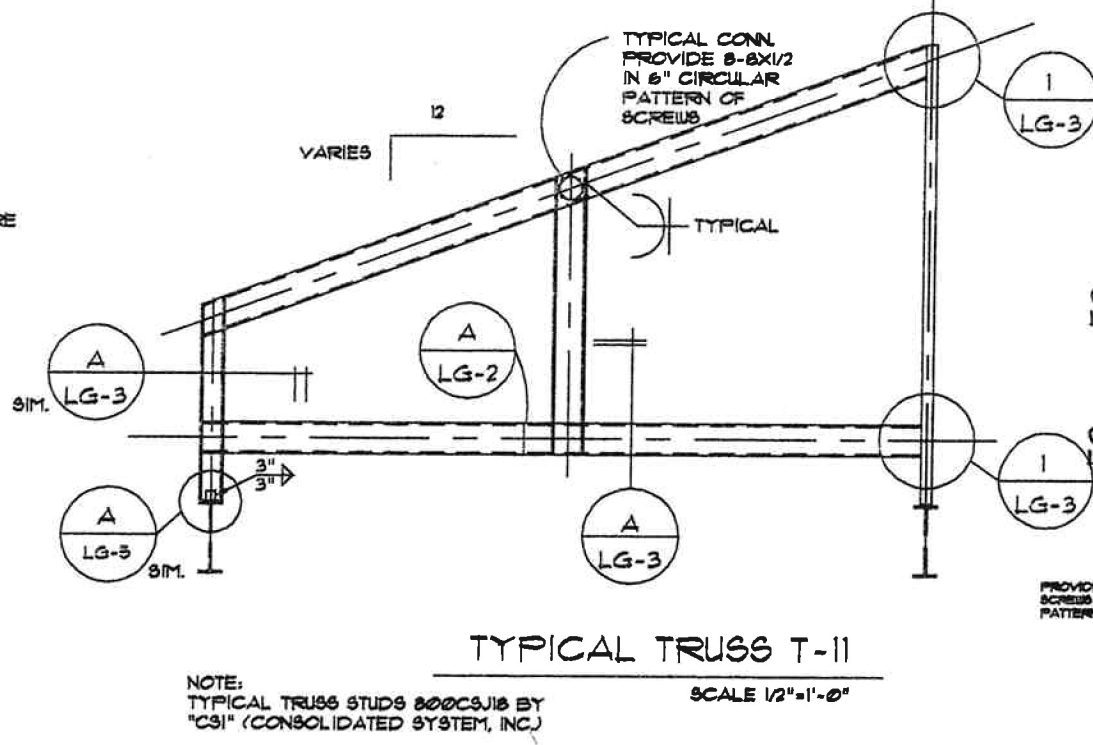
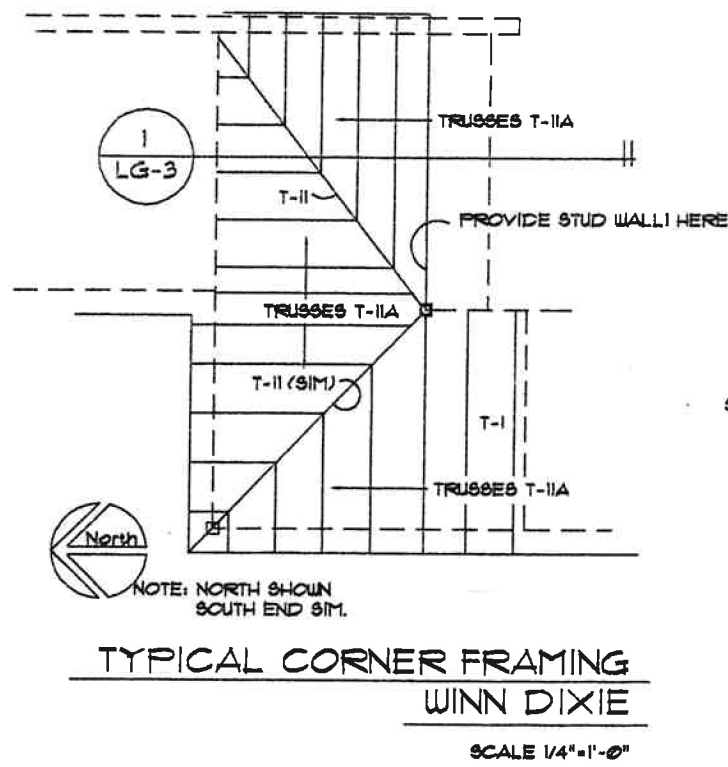
SOUTHCHASE VILLAGE SHOPPING CENTER  
ORANGE COUNTY, FLORIDA  
LIGHTGAUGE ENGINEERING - A SPECIALTY -

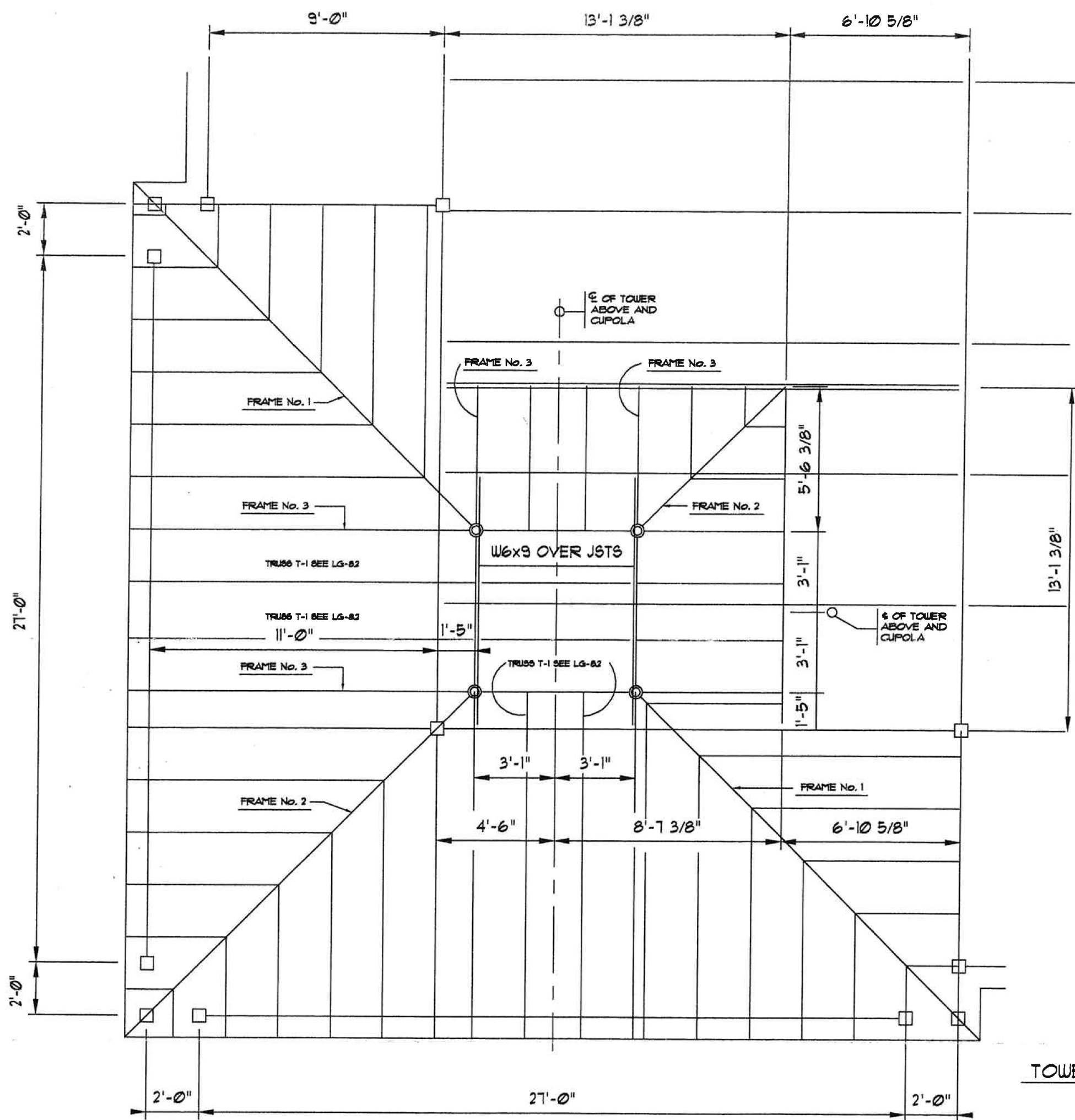
FILE:VILLA6

designed	EF.
drawn	EF.
checked	EF.
date	3/21/90

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drawing number	LG-3
of	





**THE FARACH GROUP**  
 941 WAVERLY DRIVE  
 LONGWOOD, FL. 32750  
 (407) 332-0336  
 structural engineers  
 light-gauge specialists  
 certified general contractors  
 special inspectors

REVISIONS	

**SOUTHCHASE VILLAGE SHOPPING CENTER**  
 ORANGE COUNTY, FLORIDA.  
 LIGHTGAUGE ENGINEERING - A SPECIALTY -

FILE: TOWERD

designed	EF.
drawn	EF.
checked	EF.
date	7/27/90

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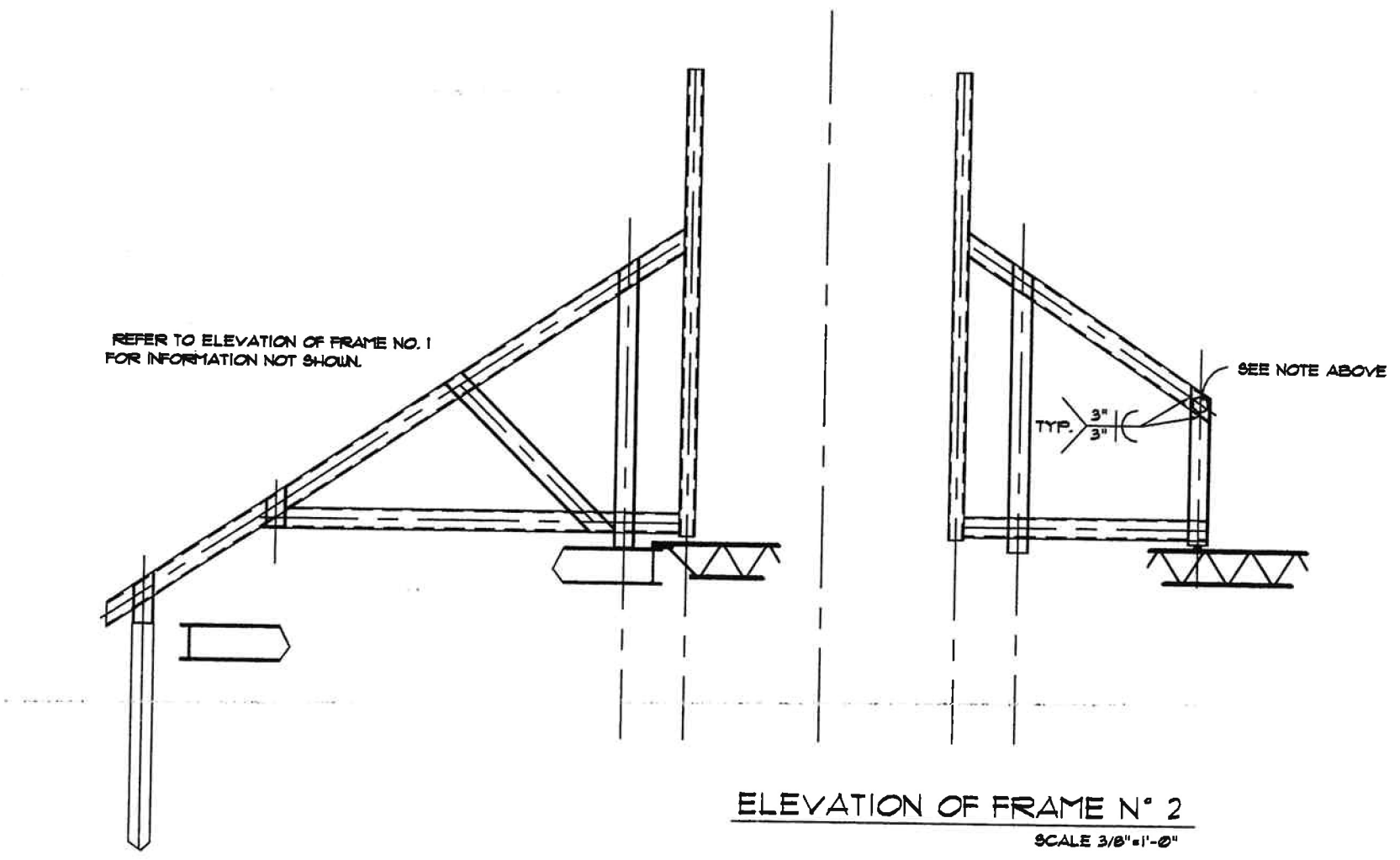
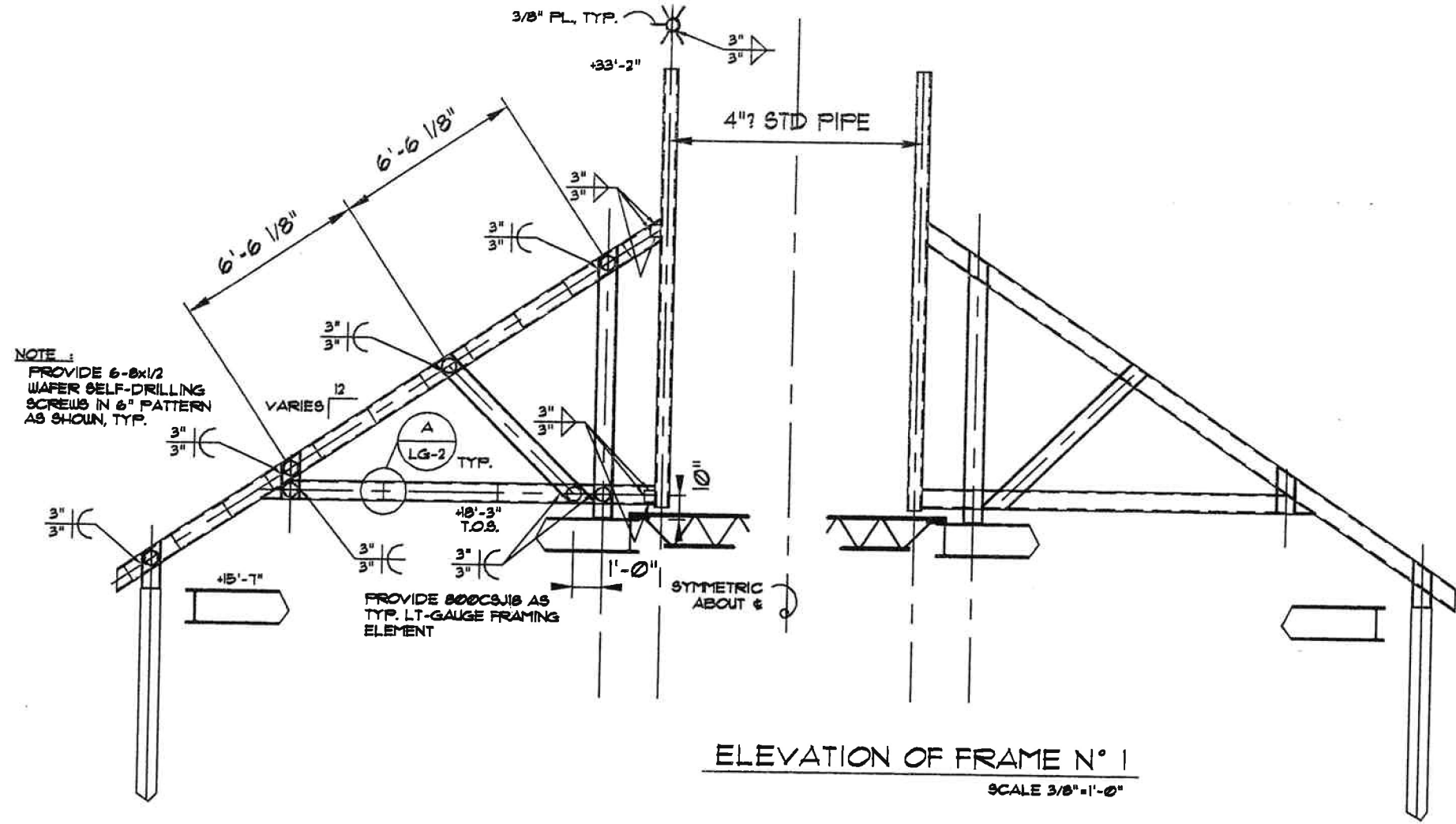
drawing number  
**LG-8**  
 of

**TOWER "D" FRAMING PLAN**  
 SCALE 1/2"=1'-0"

NOTE: REFER TO LG-01 and LG-02 FOR SECTION DETAILS and CONNECTION ARRANGEMENTS

REVISIONS	

SOUTHCHASE VILLAGE  
 SHOPPING CENTER  
 ORANGE COUNTY, FLORIDA.  
 LIGHTGAUGE ENGINEERING - A SPECIALTY -



NOTE:  
 PROVIDE 6-8x1/2  
 WAFER SELF-DRILLING  
 SCREWS IN 6" PATTERN  
 AS SHOWN, TYP.

PROVIDE 800C3J18 AS  
 TYP. LT-GAUGE FRAMING  
 ELEMENT

SYMMETRIC  
 ABOUT &

REFER TO ELEVATION OF FRAME NO. 1  
 FOR INFORMATION NOT SHOWN.

SEE NOTE ABOVE

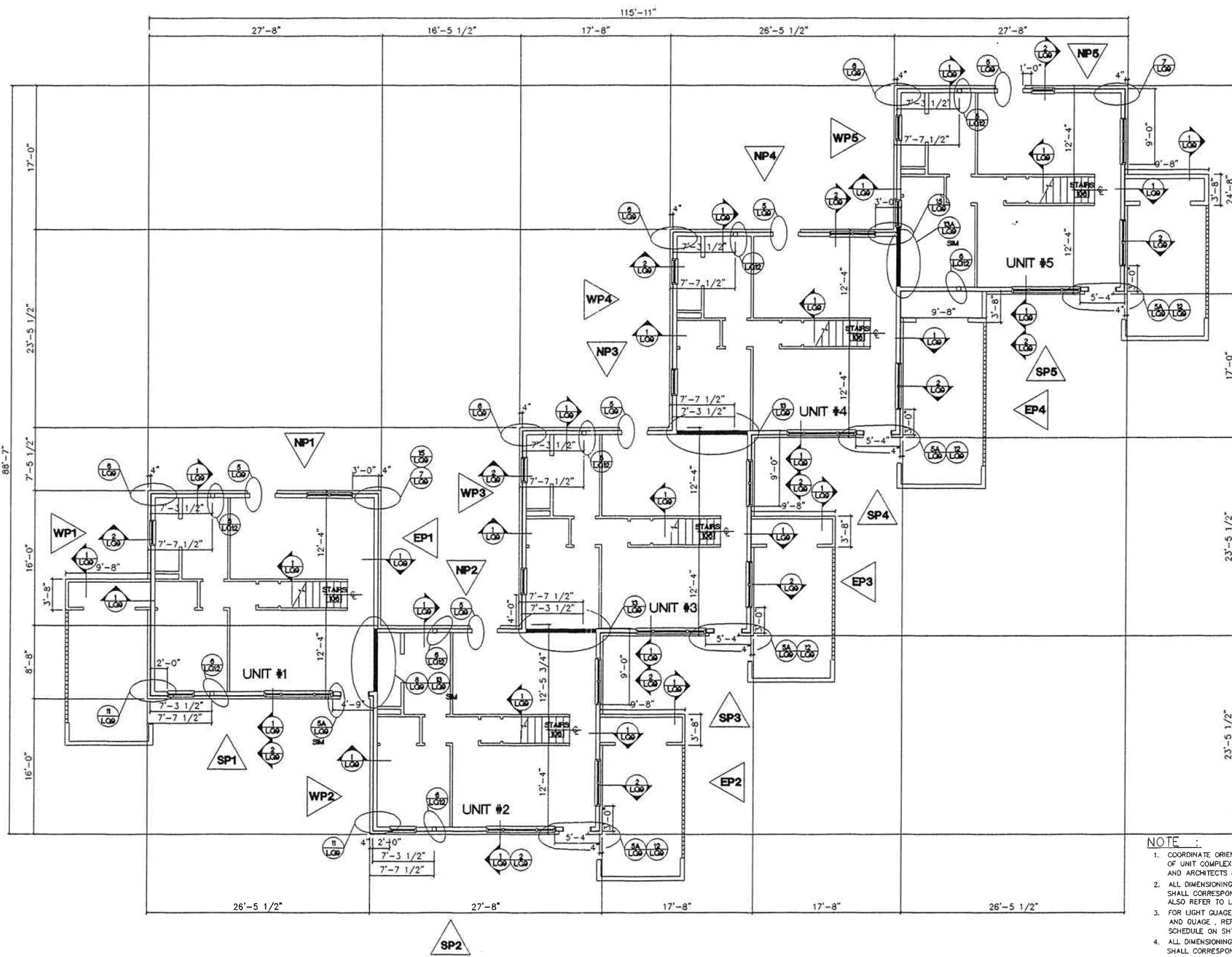
FILE: TOWERD1

designed	E.F.
drawn	E.F.
checked	E.F.
date	7/26/90

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drawing number  
**LG-8.1**





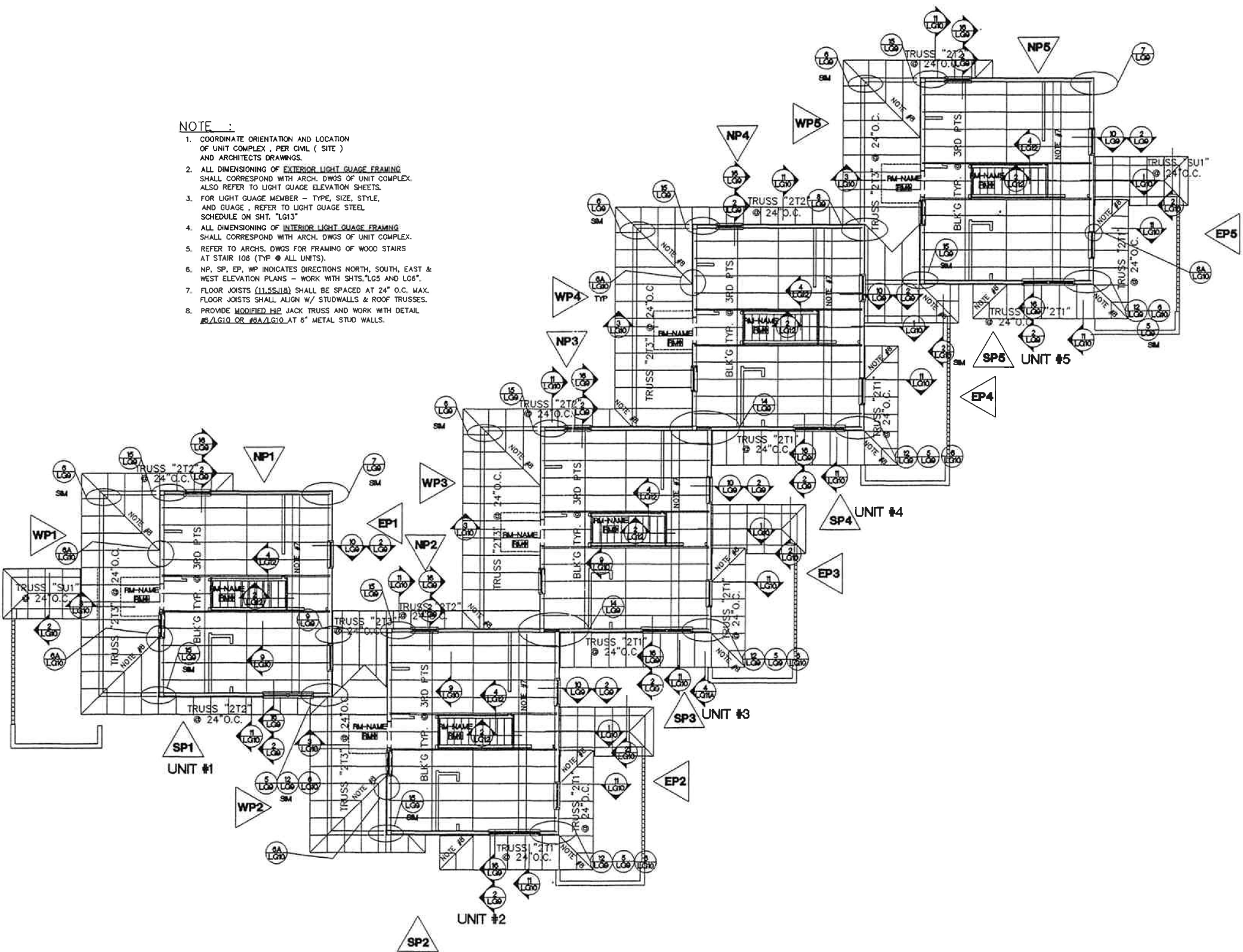
- NOTE :**
1. COORDINATE ORIENTATION AND LOCATION OF UNIT COMPLEX, PER CIVIL ( SITE ) AND ARCHITECTS DRAWINGS.
  2. ALL DIMENSIONING OF EXTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX, ALSO REFER TO LIGHT GAUGE ELEVATION SHEETS.
  3. FOR LIGHT GAUGE MEMBER - TYPE, SIZE, STYLE, AND GAUGE, REFER TO LIGHT GAUGE STEEL SCHEDULE ON SHT. "LG13"
  4. ALL DIMENSIONING OF INTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX.
  5. REFER TO ARCHS. DWGS FOR FRAMING OF WOOD STAIRS AT STAIR 106 (TYP @ ALL UNITS).
  6. NP, SP, EP, WP INDICATES DIRECTIONS NORTH, SOUTH, EAST & WEST ELEVATION PLANS - WORK WITH SHTS. "LG5 AND LG6".

**FIVE UNIT COMPLEX - FIRST FLOOR PLAN** SCALE: 3/16"=1'-0"

<p>REVISIONS</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>											<p><b>MONTANA STATE UNIVERSITY</b>          1772-2541-1111-1111-1111</p>
<p><small>CONTRACT - 1884          MORRISON MAERLE / CSSA          MORRISON MAERLE / CSSA          2020 GRAND AVE.          BILLINGS, MONTANA 59002          (406) 666-6000 FAX 666-0432</small></p>	<p><b>HARRISON G. FAGG &amp; ASSOCIATES</b>          222 N 32 ST, 800 GRANITE TOWER          BILLINGS, MONTANA 59001          (406) 248-7811 FAX 258-9278</p>										
<p><b>TYPICAL LIGHT-GAUGE FRAMING</b></p>	<p><b>MSU FAMILY HOUSING</b></p>										
<p>DATE: 6-2-04</p>	<p>SHEET          LG1          13</p>										

**NOTE :**

1. COORDINATE ORIENTATION AND LOCATION OF UNIT COMPLEX, PER CIVIL ( SITE ) AND ARCHITECTS DRAWINGS.
2. ALL DIMENSIONING OF EXTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX. ALSO REFER TO LIGHT GAUGE ELEVATION SHEETS.
3. FOR LIGHT GAUGE MEMBER - TYPE, SIZE, STYLE, AND GAUGE, REFER TO LIGHT GAUGE STEEL SCHEDULE ON SHT. "LG13"
4. ALL DIMENSIONING OF INTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX.
5. REFER TO ARCHS. DWGS FOR FRAMING OF WOOD STAIRS AT STAIR 108 (TYP @ ALL UNITS).
6. NP, SP, EP, WP INDICATES DIRECTIONS NORTH, SOUTH, EAST & WEST ELEVATION PLANS - WORK WITH SHTS. "LG5 AND LG6".
7. FLOOR JOISTS (11.5S118) SHALL BE SPACED AT 24" O.C. MAX. FLOOR JOISTS SHALL ALIGN W/ STUDWALLS & ROOF TRUSSES.
8. PROVIDE MODIFIED HIP JACK TRUSS AND WORK WITH DETAIL #A/LG10 OR #BA/LG10 AT 6" METAL STUD WALLS.



**FIVE UNIT COMPLEX - SECOND FLOOR PLAN**

SCALE 3/16"=1'-0"

NO.	DESCRIPTION	DATE



CONTRACT NO. 111-111-1111  
 DRAWING NO. 111-111-1111  
 PROJECT NO. 111-111-1111  
 DATE: 11/11/11  
 DRAWN BY: 111-111-1111  
 CHECKED BY: 111-111-1111  
 APPROVED BY: 111-111-1111  
 PROJECT: 111-111-1111  
 SHEET: 111-111-1111  
 TOTAL SHEETS: 111-111-1111

**HARRISON G. FAGG & ASSOCIATES**  
 222 N. 103 ST. BOZEMAN, MONTANA 59701  
 (406) 249-7811 FAX 259-9278

**MORRISON MAERLE / CSSA**  
 1000 GRAND AVENUE 59002  
 BILLINGS, MONTANA  
 (406) 656-6000 FAX 659-2482

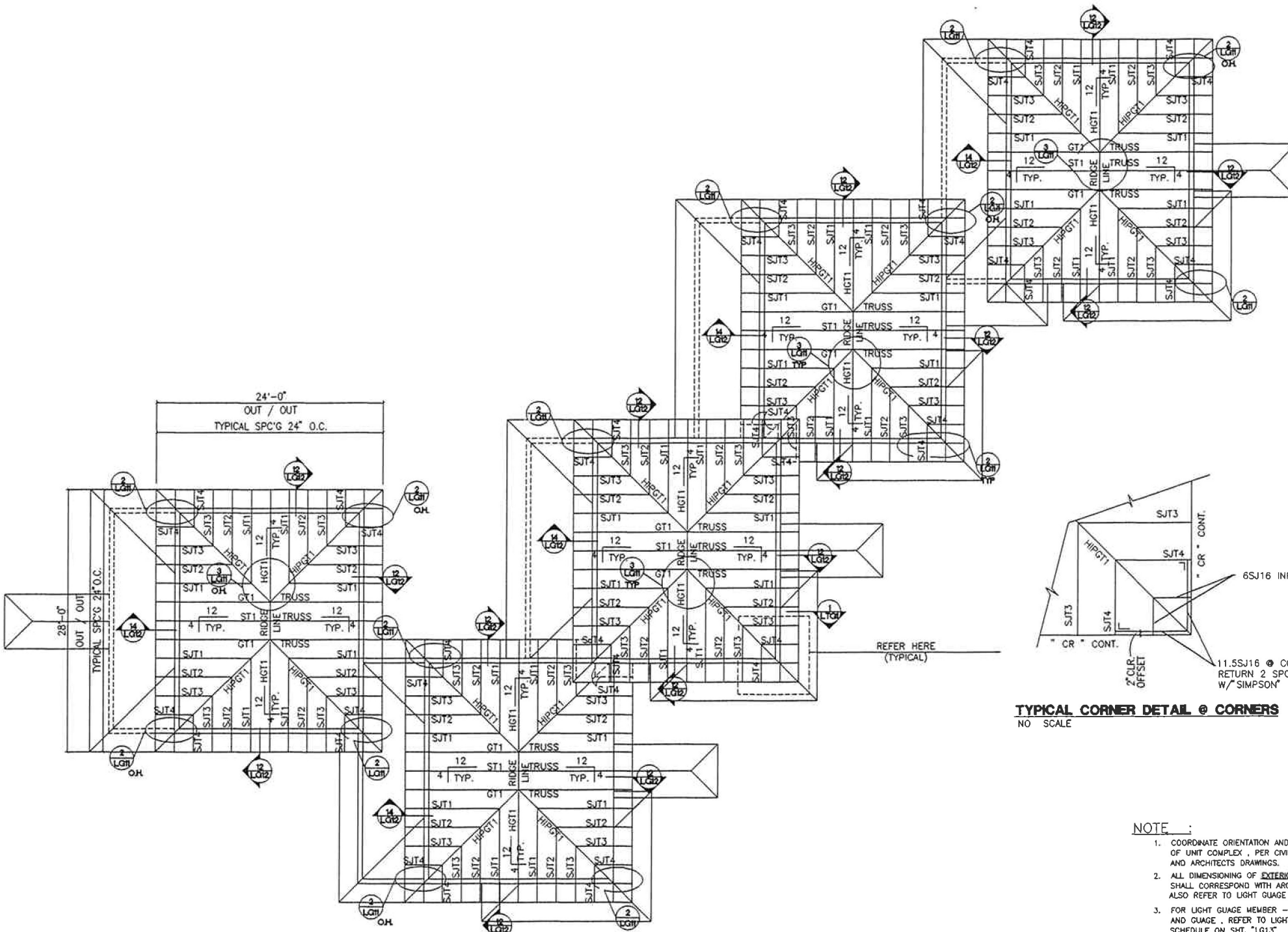
**TYPICAL LIGHT-GUAGE FRAMING**

**MSU FAMILY HOUSING**



DATE 8-2-04

SHEET  
 LG2  
 13



**TYPICAL CORNER DETAIL @ CORNERS**  
NO SCALE

- NOTE :**
- COORDINATE ORIENTATION AND LOCATION OF UNIT COMPLEX , PER CIVIL ( SITE ) AND ARCHITECTS DRAWINGS.
  - ALL DIMENSIONING OF EXTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX. ALSO REFER TO LIGHT GAUGE ELEVATION SHEETS.
  - FOR LIGHT GAUGE MEMBER - TYPE, SIZE, STYLE, AND GAUGE . REFER TO LIGHT GAUGE STEEL SCHEDULE ON SHT. "LG13"
  - FOR LIGHT GAUGE LOWER ROOF FRAMING REFER TO SHT. "LG2" (SECOND FLOOR FRAMING PLAN)
  - LIGHT GAUGE ROOF FRAMING MEMBERS PROFILES ARE SHOWN ON SHTS. "LG7" AND "LG8"
  - USE DETAIL #7 / LG11 FOR BLOCKING ON ROOF FRAMING - SEE SHEETS LG7 AND LG8 FOR LOCATION OF TOP AND BOTTOM CHORDS.

NO.	DESCRIPTION	DATE

CONTRACT NO. 111-101-1152  
DRAWING NO. LG13  
DATE: 6-2-94  
PROJECT: MSU FAMILY HOUSING  
DESIGNED BY: HARRISON G. FAGG & ASSOCIATES  
CHECKED BY: MORRISON MAERLE / C.S.S.A.  
PROJECT MANAGER: MORRISON MAERLE / C.S.S.A.  
GENERAL CONTRACTOR: [REDACTED]

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**MORRISON MAERLE / C.S.S.A.**  
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BILLINGS, MONTANA 59002  
(406) 656-6000 FAX 656-3482

**TYPICAL LIGHT-GAUGE FRAMING**

**MSU FAMILY HOUSING**

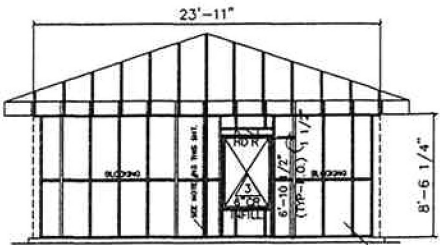


DATE: 6-2-94



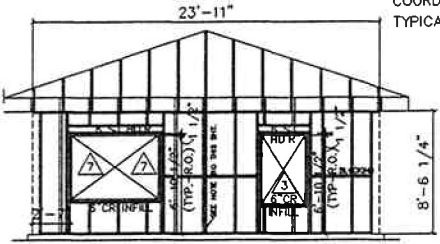
**NOTES :**

1. COORDINATE ORIENTATION AND LOCATION OF UNIT COMPLEX, PER CIVL ( SITE ) AND ARCHITECTS DRAWINGS.
2. ALL DIMENSIONING OF EXTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX. ALSO REFER TO LIGHT GAUGE ELEVATION SHEETS.
3. FOR LIGHT GAUGE MEMBER - TYPE, SIZE, STYLE, AND GAUGE, REFER TO LIGHT GAUGE STEEL SCHEDULE ON SHT. "LG13"
4. ALL DIMENSIONING OF INTERIOR LIGHT GAUGE FRAMING SHALL CORRESPOND WITH ARCH. DWGS OF UNIT COMPLEX.
5. REFER TO ARCHS. DWGS FOR FRAMING OF WOOD STAIRS AT STAIR 106 (TYP @ ALL UNITS).
6. NP, SP, EP, WP INDICATES DIRECTIONS NORTH, SOUTH, EAST & WEST ELEVATION PLANS - WORK WITH THIS SHEET.
7. FOR LIGHT GAUGE LOWER ROOF FRAMING REFER TO SHT. "LG2" (SECOND FLOOR FRAMING PLAN)
8. LIGHT GAUGE ROOF FRAMING MEMBERS PROFILES ARE SHOWN ON SHTS. "LG7" AND "LG8"
9. USE DETAIL #7 / LG11 FOR BLOCKING ON ROOF FRAMING - SEE SHEETS LG7 AND LG8 FOR LOCATION OF TOP AND BOTTOM CHORDS.
10. PROVIDE (2) 60SJ18, WORK WITH #11/LG12 FOR WELDING REQUIREMENT - TYPICAL @ ALL "GT2" TRUSSES OR WHERE NOTED.

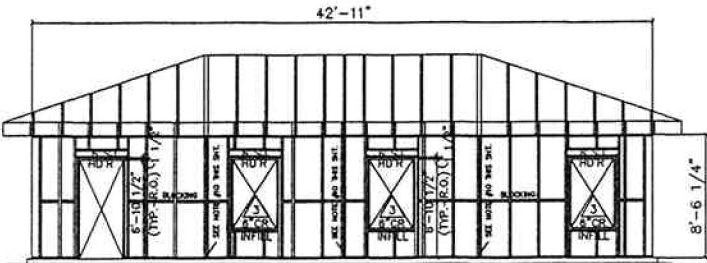


ELEVATION - WHC

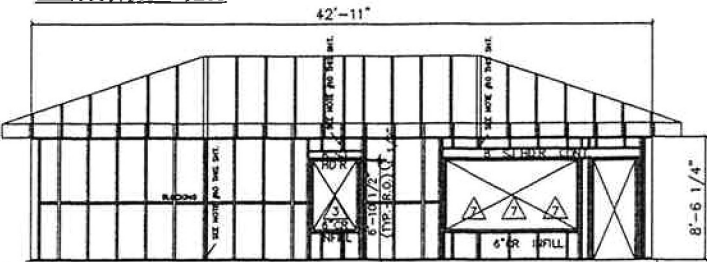
NOTE :  
COORD. WITH ELEVATION "EP4"  
TYPICAL . REFER TO SHEET "LG5".



ELEVATION - EHC

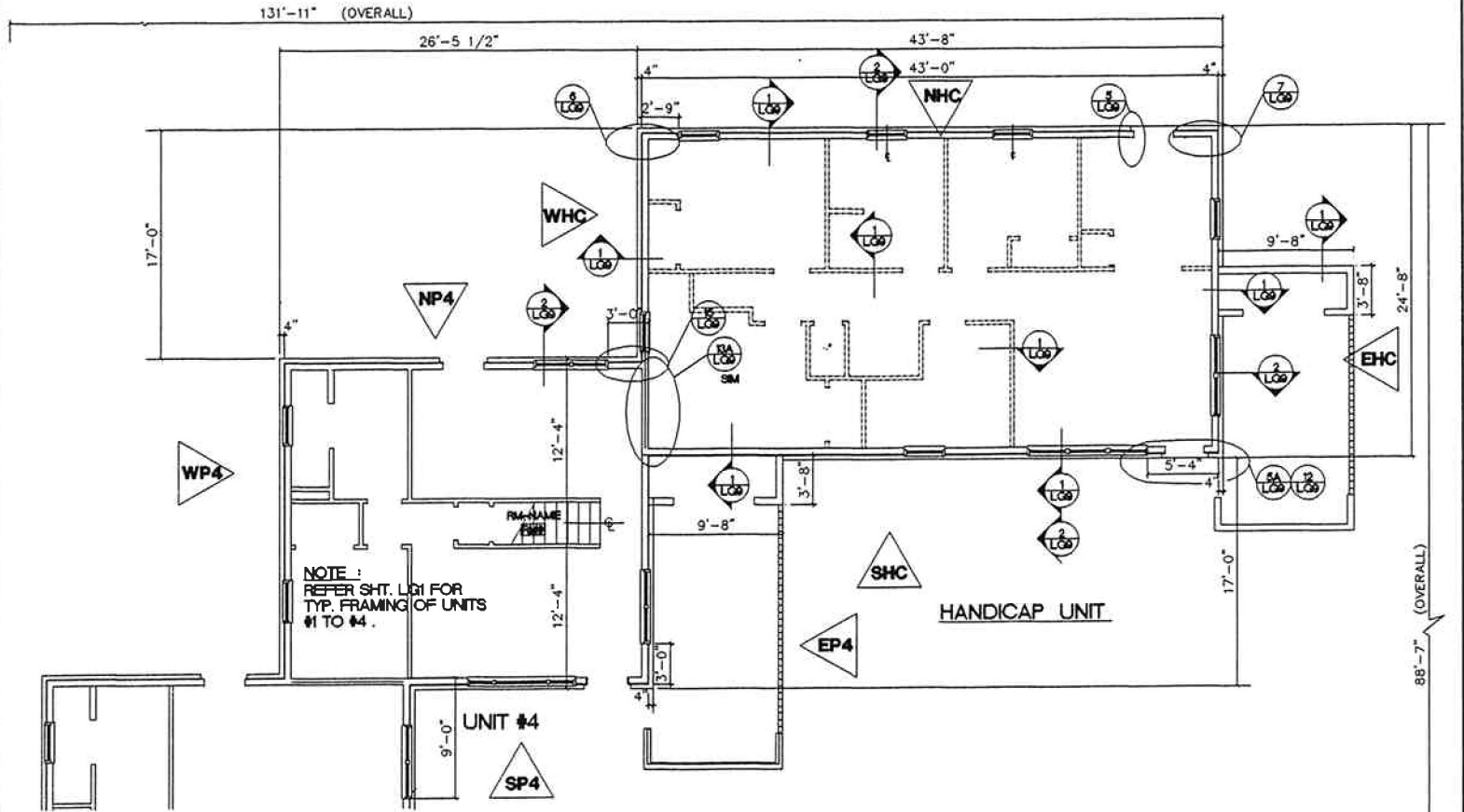


ELEVATION - NHC

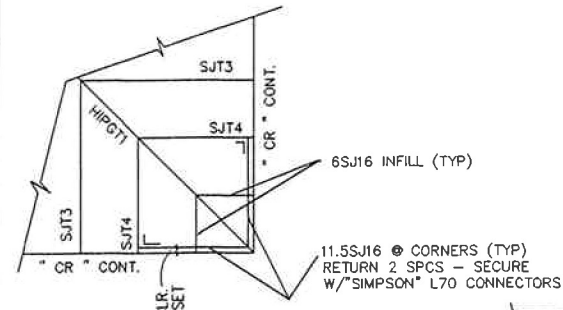


ELEVATION - SHC

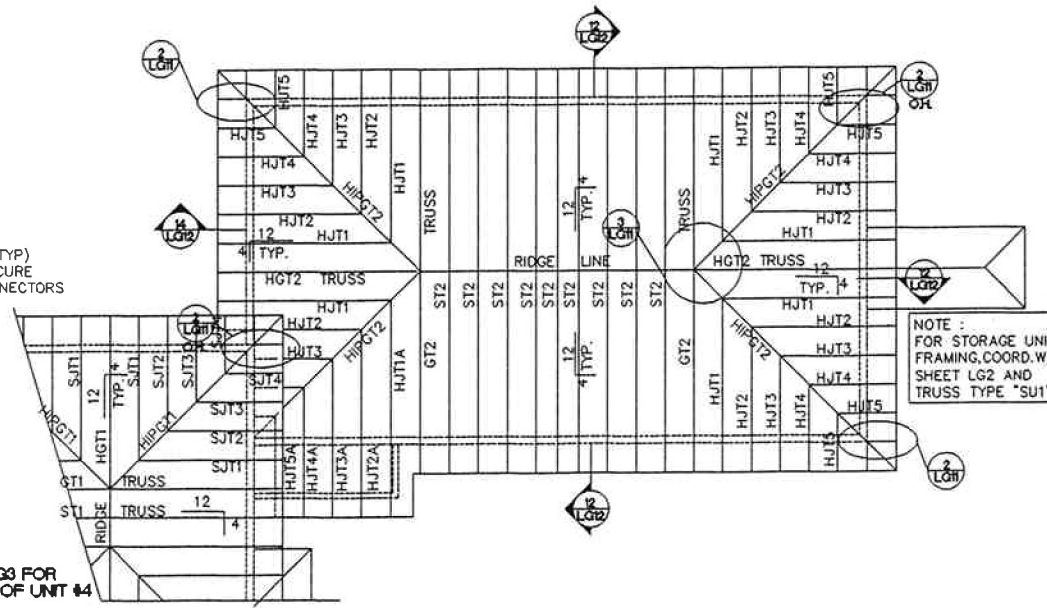
FIVE UNIT COMPLEX - HANDICAP UNIT



FIVE UNIT COMPLEX - HANDICAP UNIT - FIRST FLOOR PLAN



TYPICAL CORNER DETAIL @ CORNERS  
NO SCALE



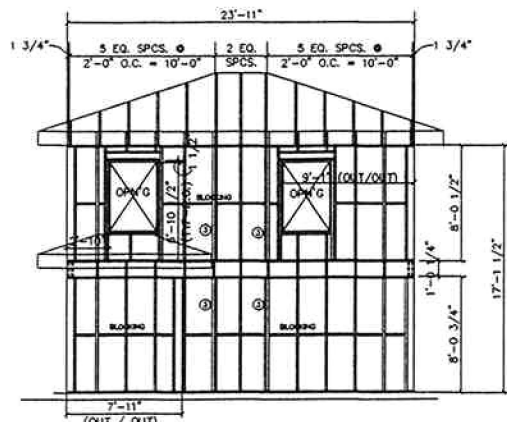
NOTE :  
REFER SHT. LG3 FOR  
TYP. FRAMING OF UNIT #4

UNIT #4

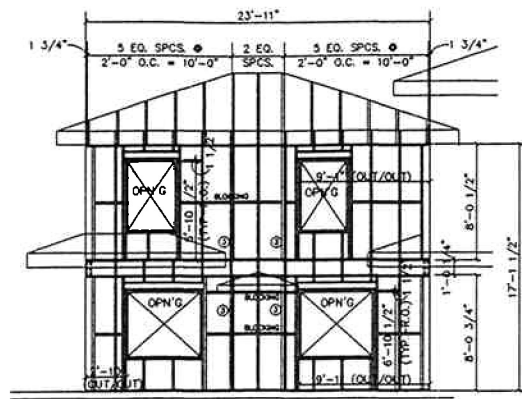
HANDICAP UNIT

FIVE UNIT COMPLEX - HANDICAP UNIT - ROOF FRAMING PLAN

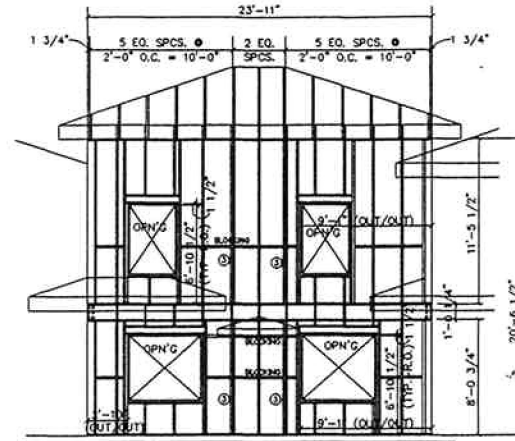
SCALE 3/16"=1'-0"



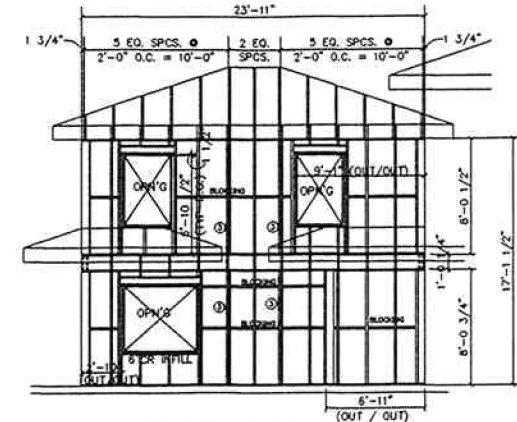
**ELEVATION - EP1**



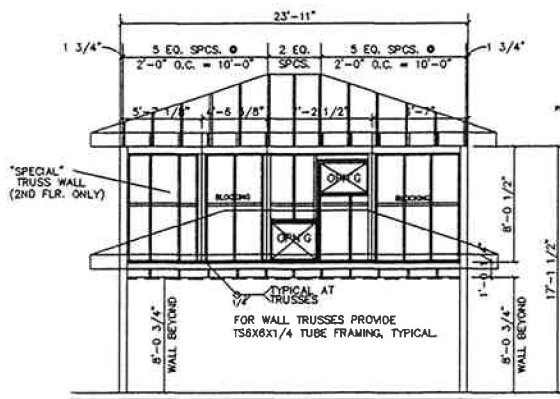
**ELEVATION - EP2  
ELEVATION - EP5**



**ELEVATION - EP3**



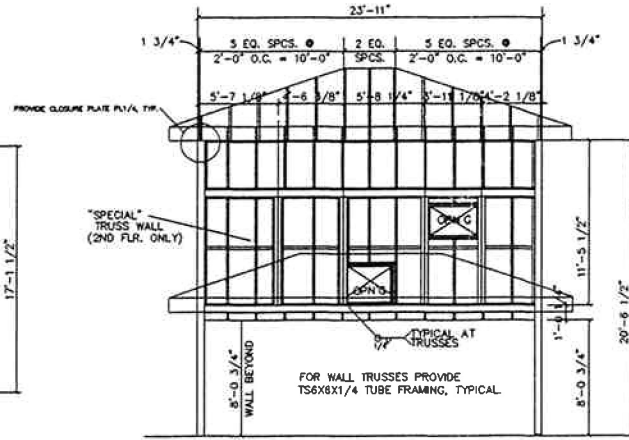
**ELEVATION - EP4**



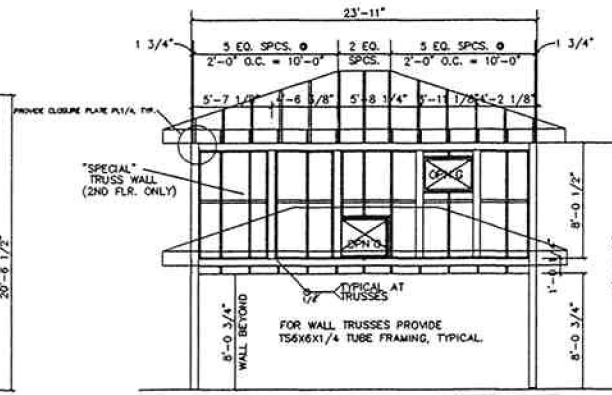
**ELEVATION - WP1 (UPPER WALL)**

**ELEVATION - WP2 (UPPER WALL)**

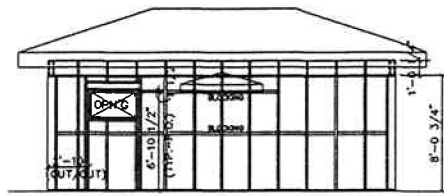
**ELEVATION - WP5 (UPPER WALL)**



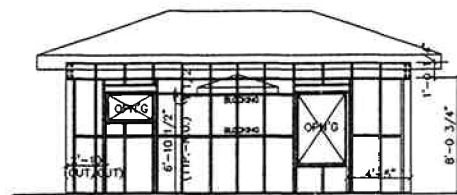
**ELEVATION - WP3**



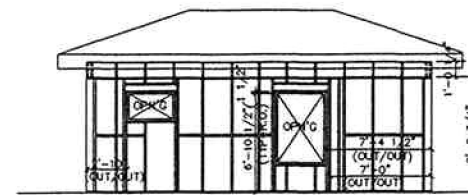
**ELEVATION - WP4**



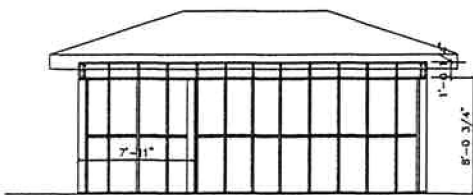
**ELEVATION - WP1  
(OUTSIDE WALL)**



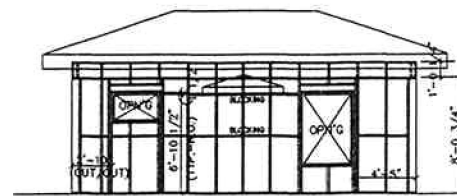
**ELEVATION - WP3  
(OUTSIDE WALL)**



**ELEVATION - WP5  
(OUTSIDE WALL)**



**ELEVATION - WP2  
(OUTSIDE WALL)**



**ELEVATION - WP4  
(OUTSIDE WALL)**

**ELEVATION NOTES :**

1. REFER TO LG3 FOR SHEATHING SPECS. AND DESIGN REQUIREMENTS
2. TYPICAL MTLSTUD SPACING @ 24" O.C. COORDINATED AND ALIGN W/ ROOF TRUSSES ABOVE.
3. PROVIDE 2-60S18 UNDER ALL CTI TRUSSES WORK W/ LG1, LG2 AND LG3 FOR FRAMING, DETAILS AND SECTIONS.

NO.	DATE	REVISIONS

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 1225 SOUTH GARDEN  
 BOZEMAN, MONTANA 59717-0001  
 (406) 255-4300

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**TYPICAL LIGHT-GUAGE FRAMING**

**MSU FAMILY HOUSING**



DATE: 6-2-94

**SHEET**  
 LG5  
 13

NO.	DATE	REVISIONS



ARCHITECT: MSU  
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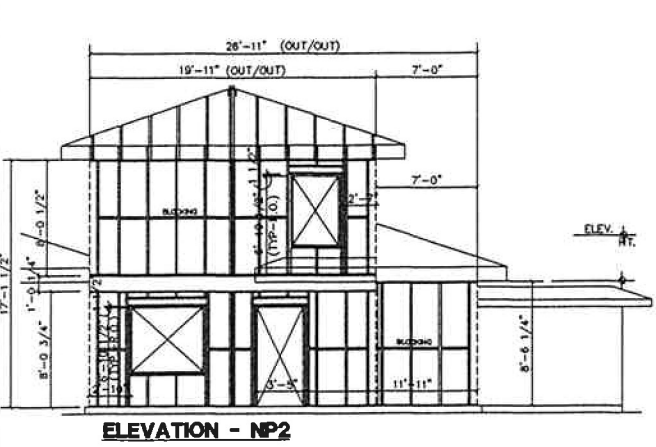
TYPICAL LIGHT-GUAGE FRAMING

MSU FAMILY HOUSING

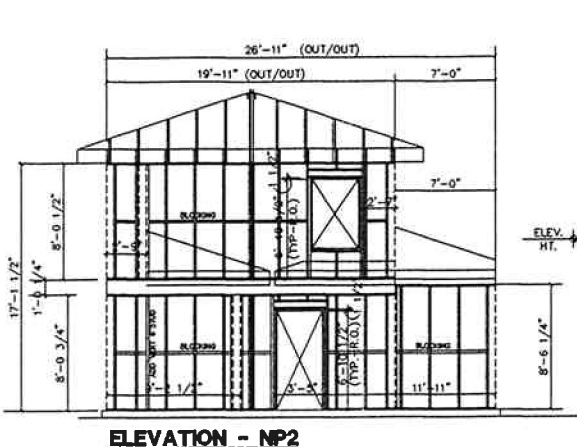


DATE: 6-2-04

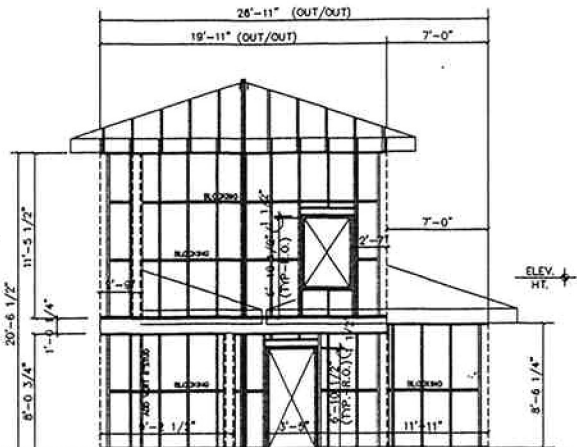
SHEET  
 LG6  
 of  
 13



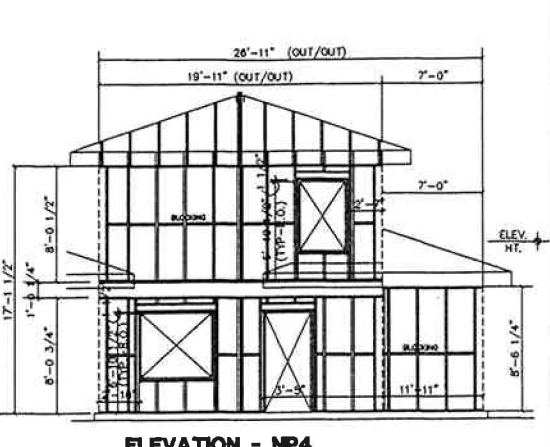
ELEVATION - NP2



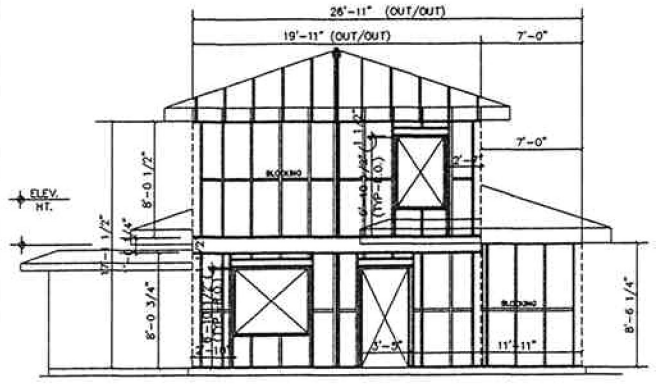
ELEVATION - NP2



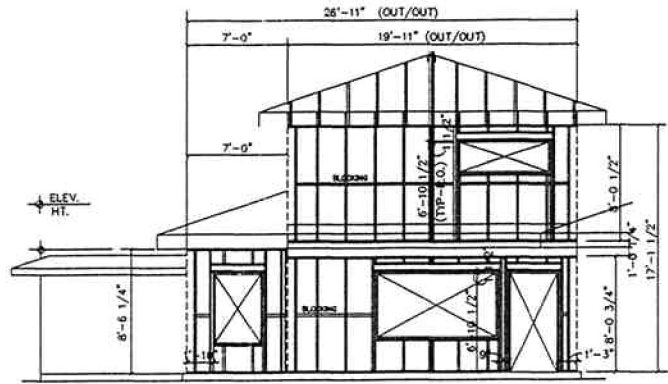
ELEVATION - NP3



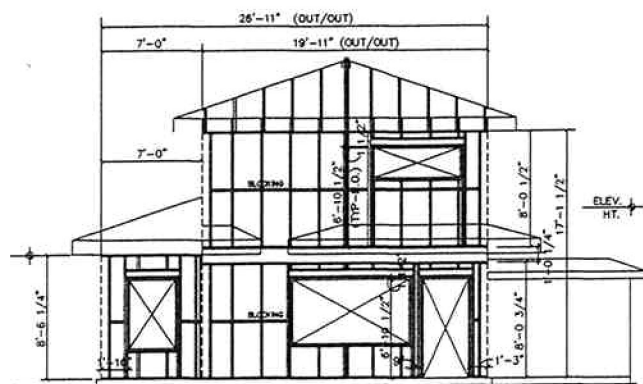
ELEVATION - NP4



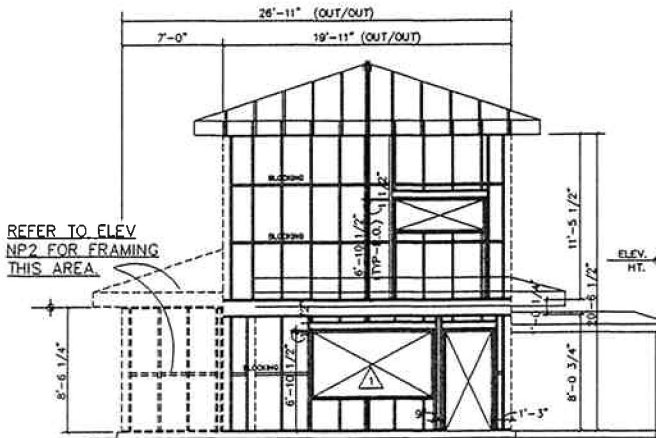
ELEVATION - NP5



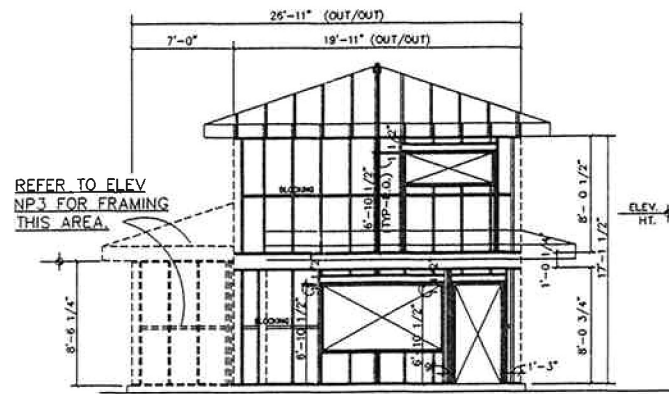
ELEVATION - SP1



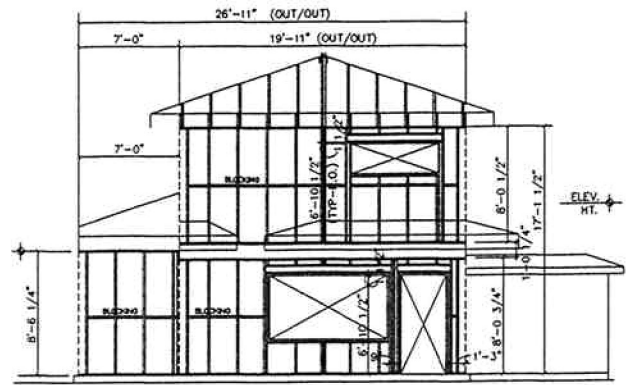
ELEVATION - SP2



ELEVATION - SP3



ELEVATION - SP4



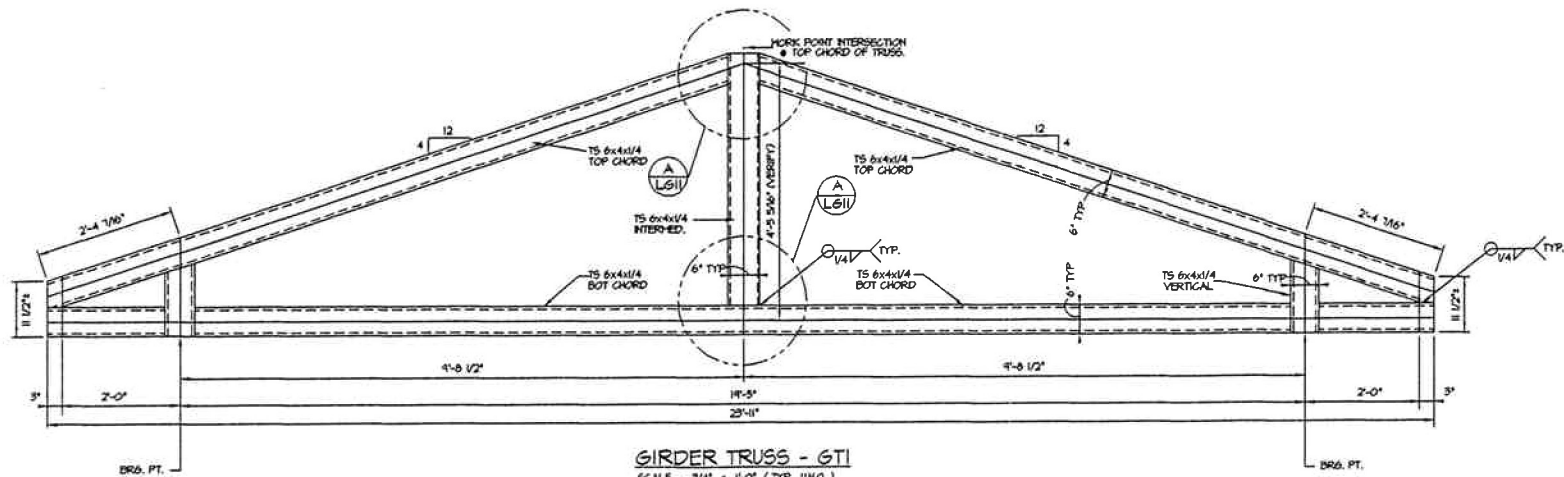
ELEVATION - SP5

- ELEVATION NOTES:
1. REFER TO LGL3 FOR SHEATHING SPECS. AND DESIGN REQUIREMENTS
  2. TYPICAL W/STUD SPACING @ 24" O.C. COORDINATED AND ALIGN W/ ROOF TRUSSES ABOVE.
  3. PROVIDE 2-80S118 UNDER ALL GTI TRUSSES WORK W/ LGL1, LGL2 AND LGL3 FOR FRAMING, DETAILS AND SECTIONS.
  4. PROVIDE 358S122 STUDS AT INTERIOR NON-BEARING WALLS. USE 358R22 TRACKS AT TOP AND BOTTOM. WORK W/ ARCHITECTURAL DRAWINGS FOR LAYOUT. CONNECT TRACKS TO FRAMING W/ GRABBER WAFER. SELF DRILLING SCREWS, WORK W/ DETAIL 1 & 2/LG9 FOR GENERAL ARRANGEMENT. THIS NOTE APPLIES TYPICALLY ON THE JOB.

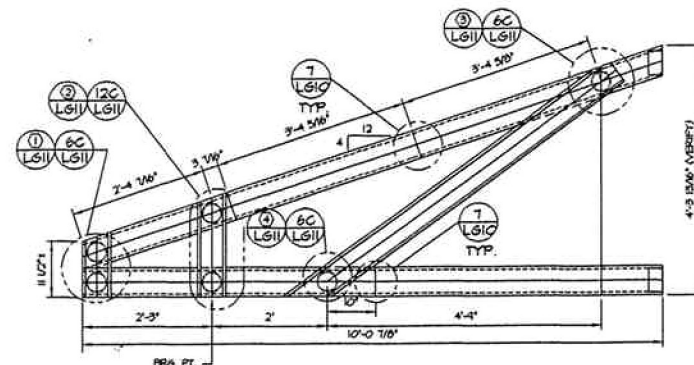
NORTH AND SOUTH FRAMING ELEVATIONS

SCALE: 3/16"=1'-0"

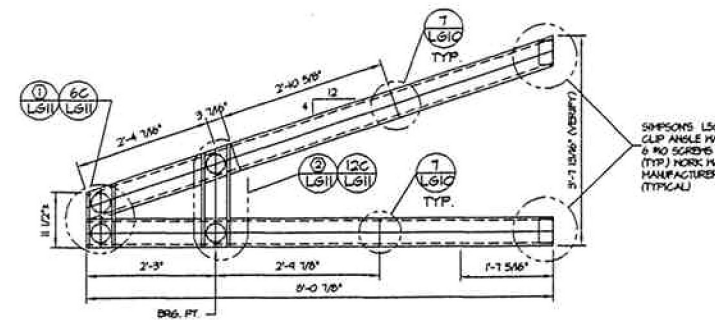




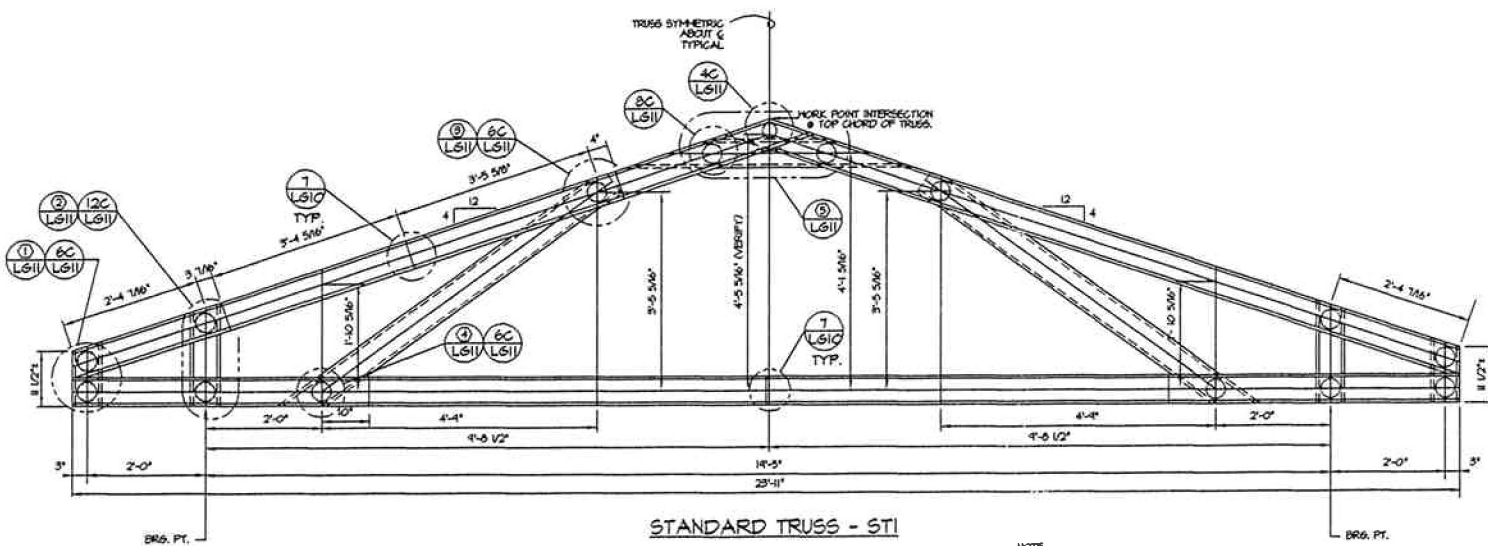
GIRDER TRUSS - GTI  
SCALE: 3/4" = 1'-0" (TYP. UNO.)



JACK TRUSS - SJT1 (STANDARD)

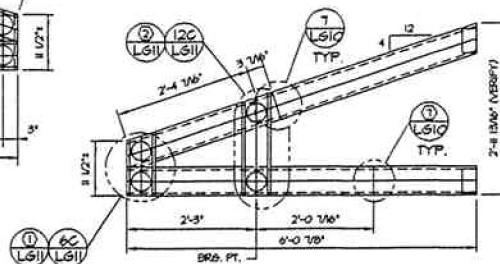


JACK TRUSS - SJT2 (STANDARD)

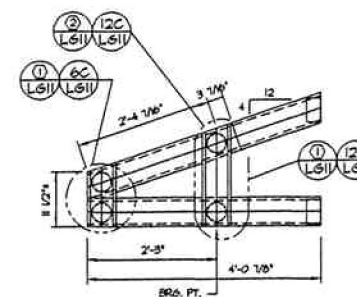


STANDARD TRUSS - STI

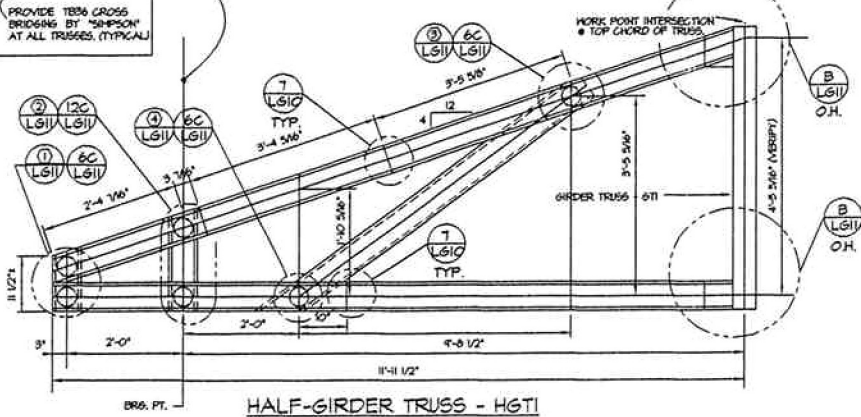
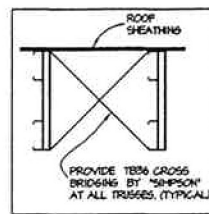
NOTE: WORK IN SHIT LSI FOR TYPICAL SCREWS PATTERN SCHEDULE.



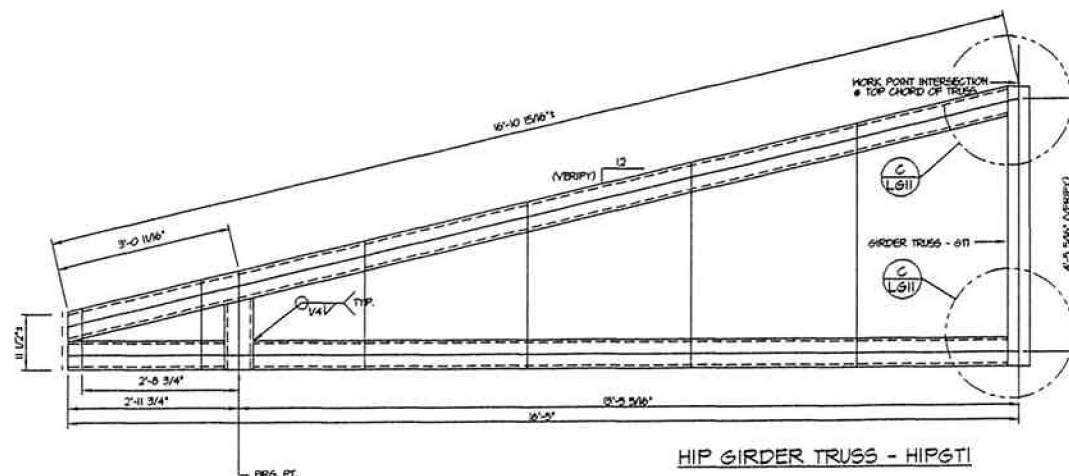
JACK TRUSS - SJT3 (STANDARD)



JACK TRUSS - SJT4 (STANDARD)



HALF-GIRDER TRUSS - HGTI



HIP GIRDER TRUSS - HIPGTI

NO.	DESCRIPTION



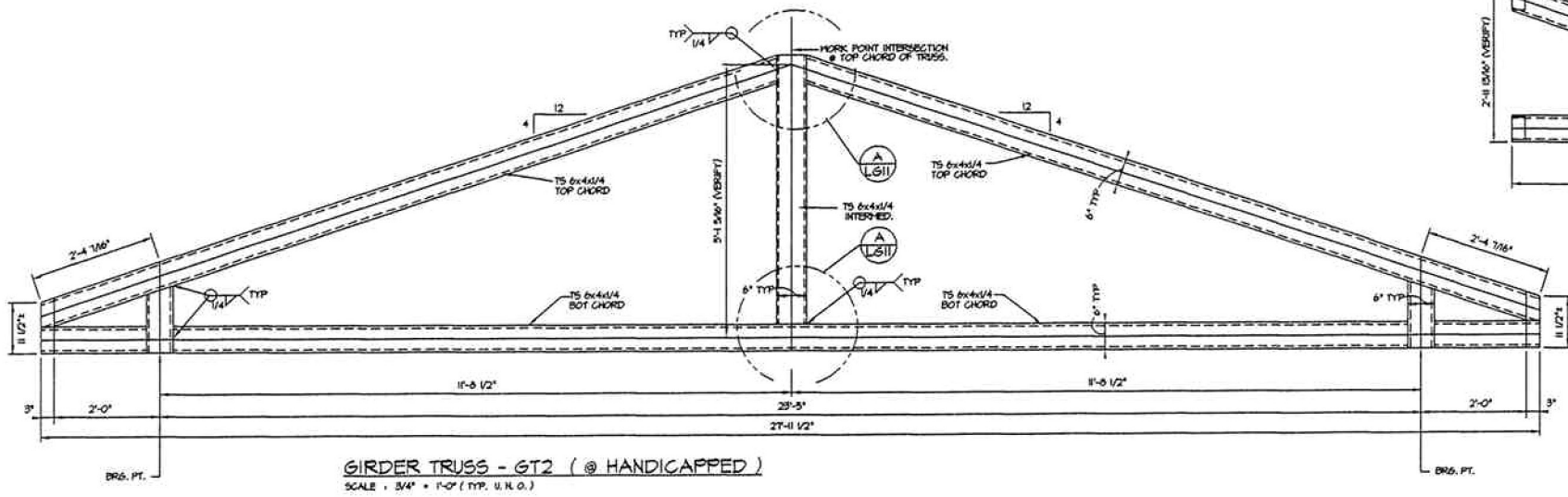
CONTRACTOR: MONTANA STATE UNIVERSITY  
PROJECT: MSU FAMILY HOUSING  
PROJECT NO: 17-02-001  
DATE: 02-20-14

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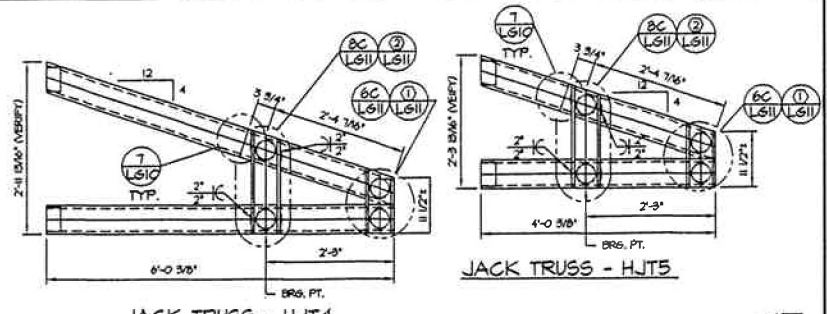
MORRISON MAERLE / CSSA  
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BILLINGS, MONTANA 59002  
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TYPICAL LIGHT-GUAGE FRAMING  
MSU FAMILY HOUSING

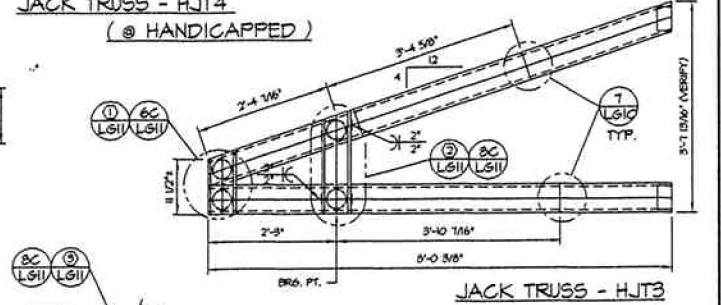




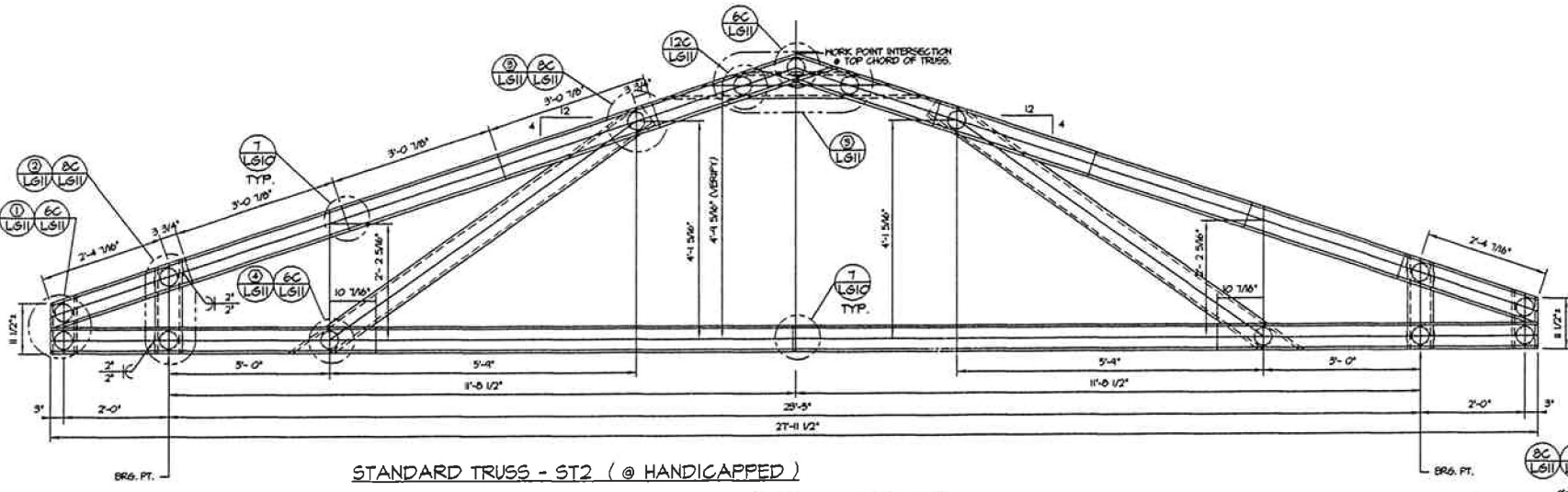
**GIRDER TRUSS - GT2 (@ HANDICAPPED)**  
SCALE: 3/4" = 1'-0" (TYP. U.S.O.)



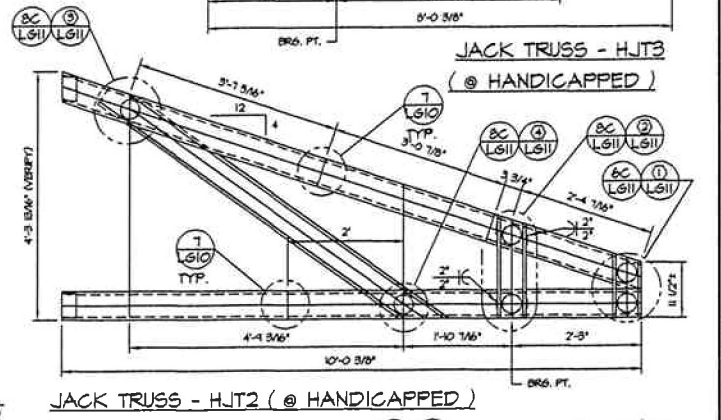
**JACK TRUSS - HJT4 (@ HANDICAPPED)**



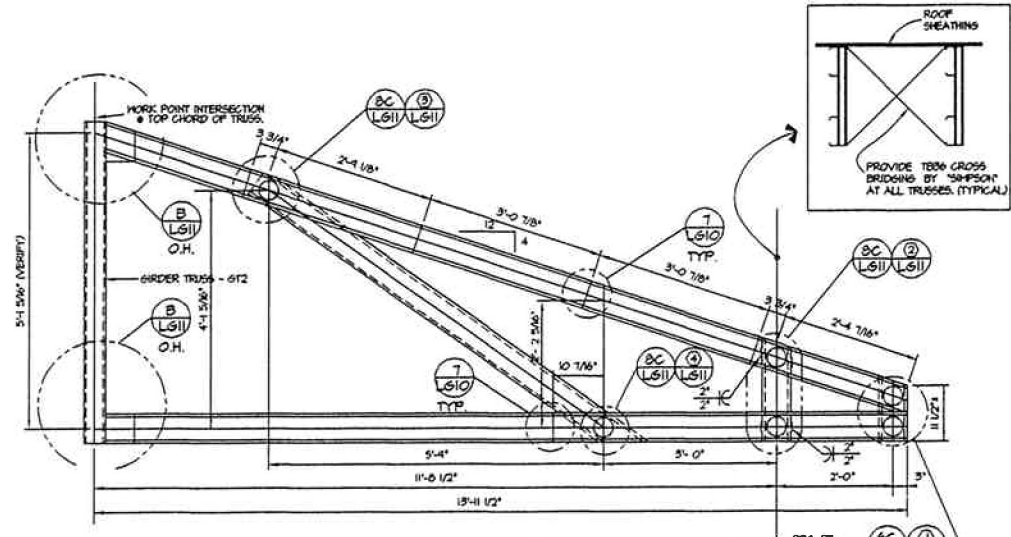
**JACK TRUSS - HJT3 (@ HANDICAPPED)**



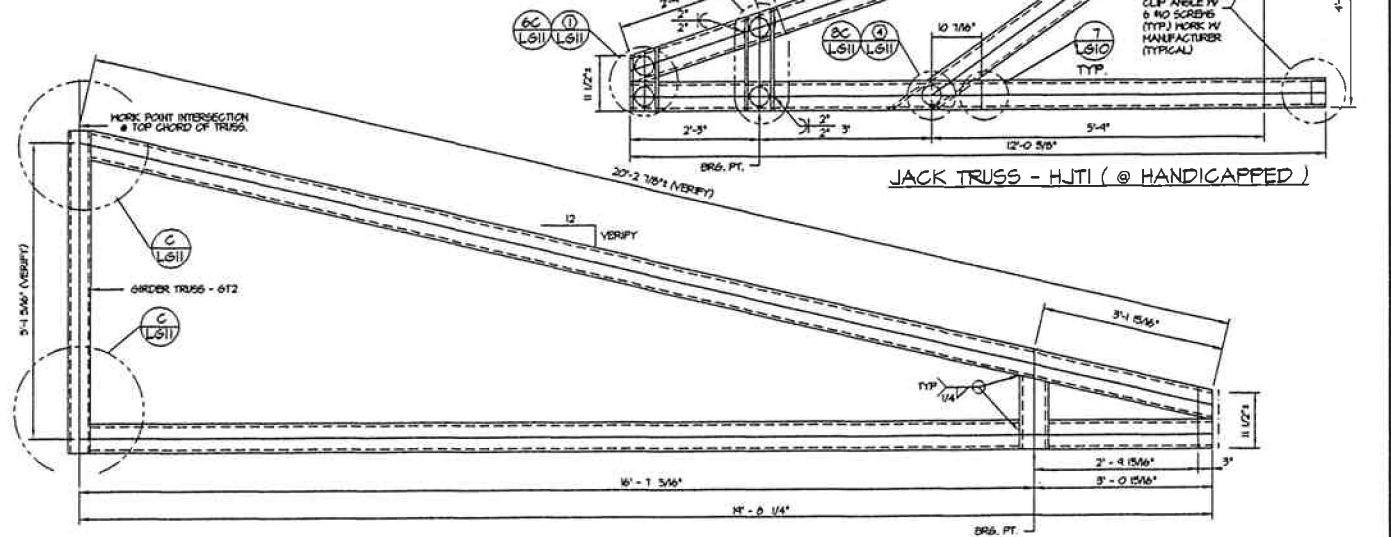
**STANDARD TRUSS - ST2 (@ HANDICAPPED)**



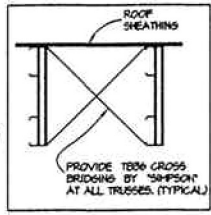
**JACK TRUSS - HJT2 (@ HANDICAPPED)**



**HALF GIRDER TRUSS - HGT2 (@ HANDICAPPED)**



**HIP GIRDER TRUSS - HIPGT2 (@ HANDICAPPED)**



NO.	DATE	DESCRIPTION

**MONTANA STATE UNIVERSITY**  
1722-1133-1-0-1523

CONTRACTOR'S NOTE: The drawings on these sheets are the property of the architect and engineer. They are to be used only for the project and site specified. No part of these drawings may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the architect and engineer.

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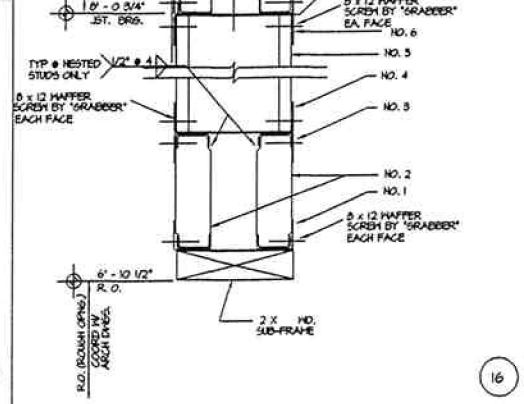
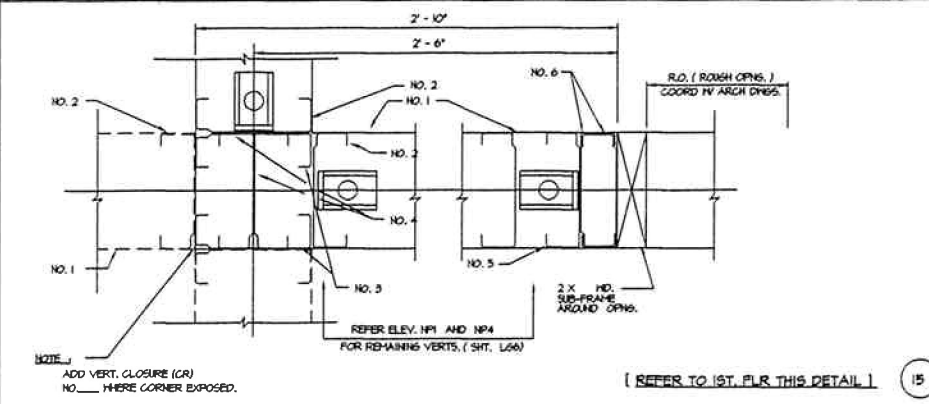
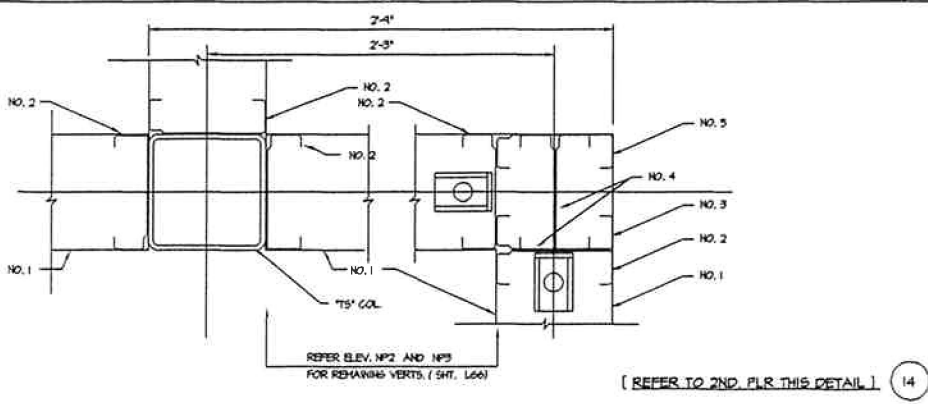
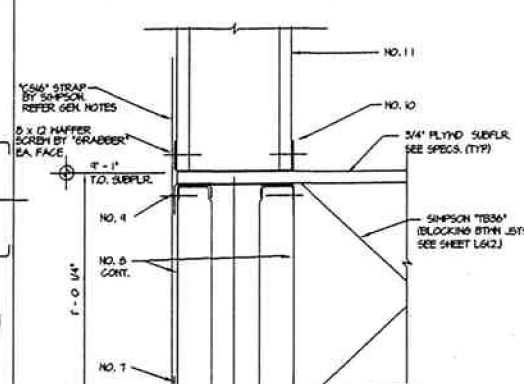
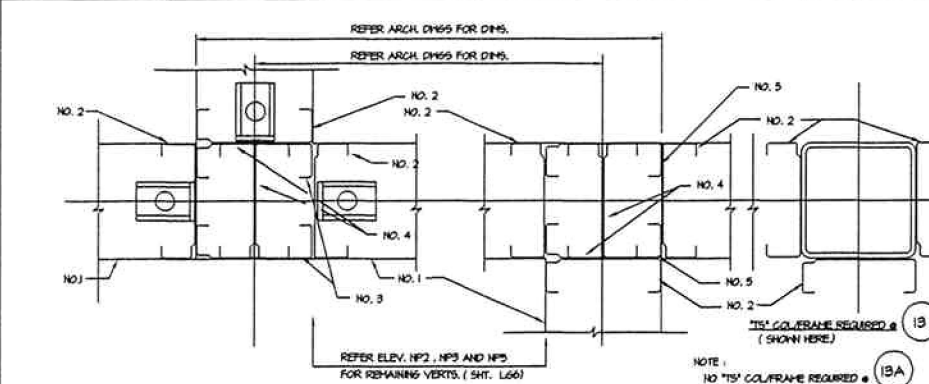
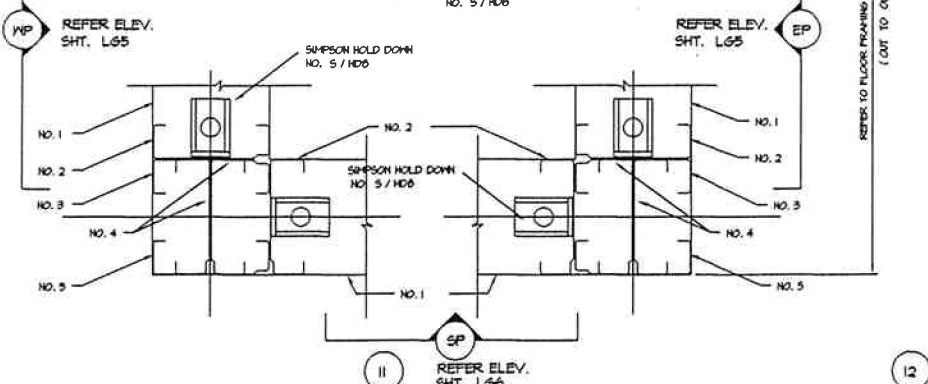
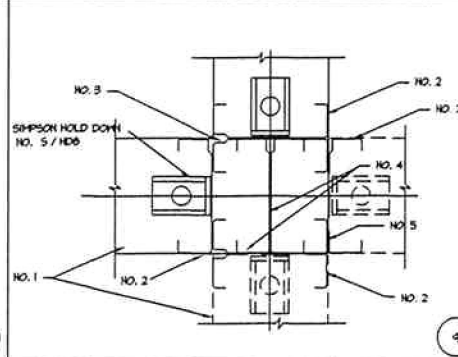
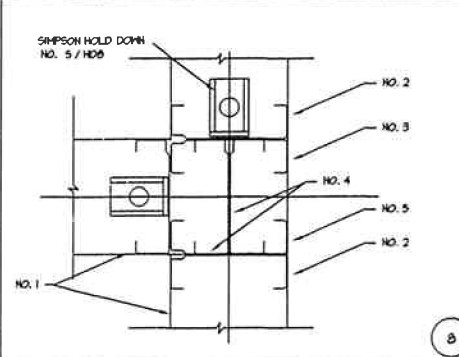
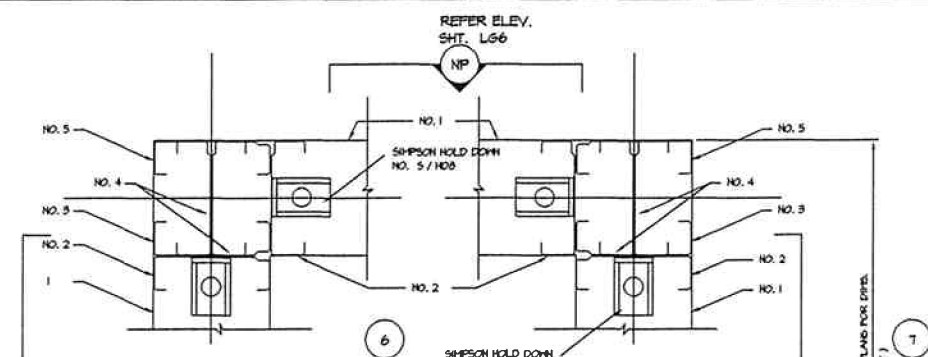
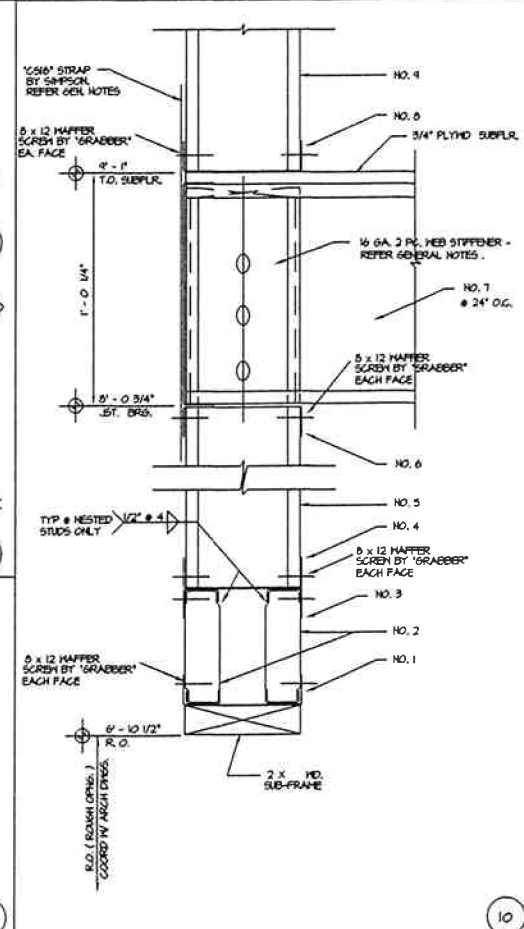
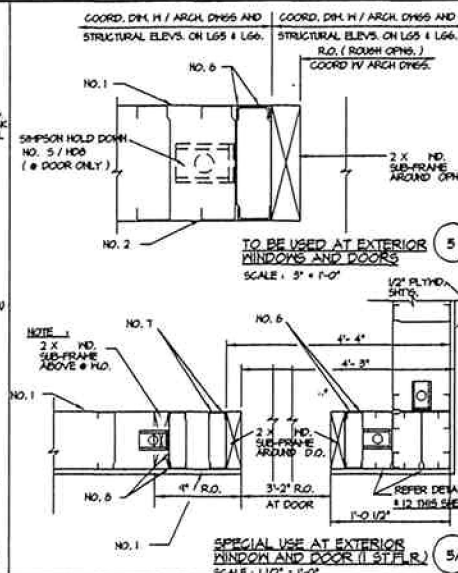
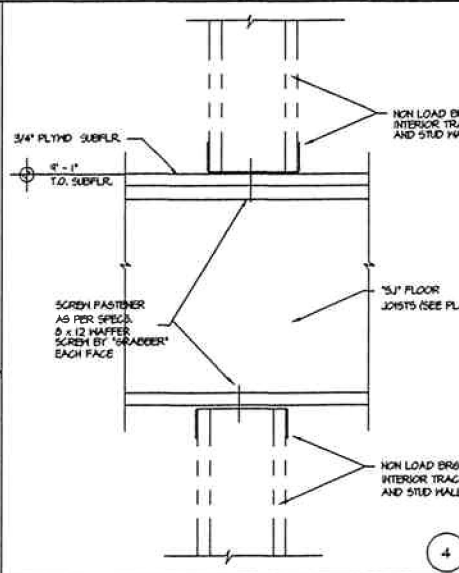
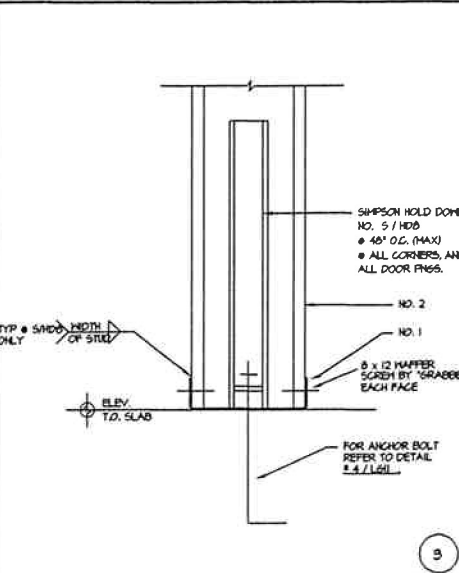
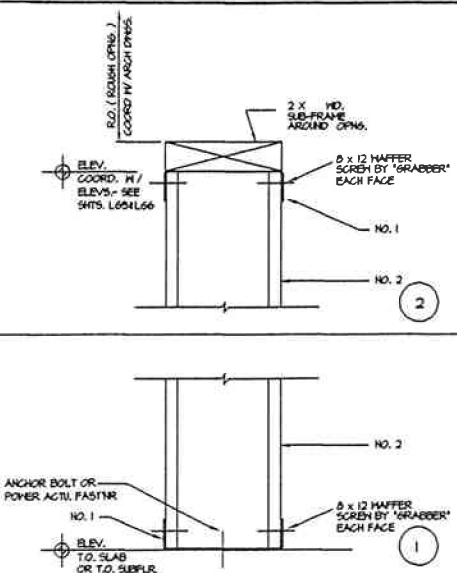
**TYPICAL LIGHT-GUAGE FRAMING**

**MSU FAMILY HOUSING**



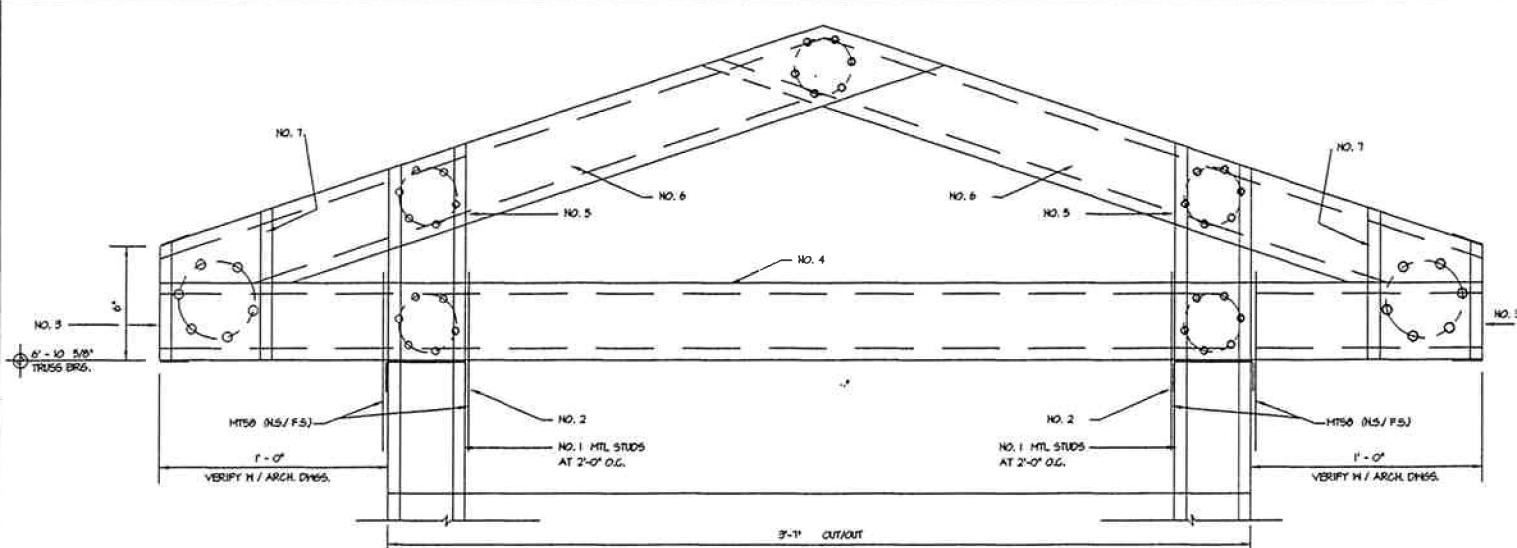
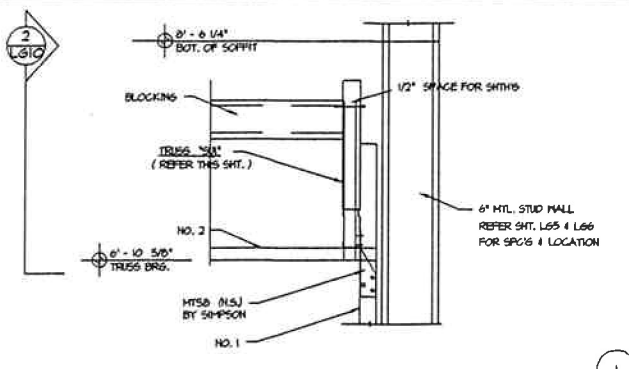
DATE: 6-2-94

SHEET  
**LG8**  
13

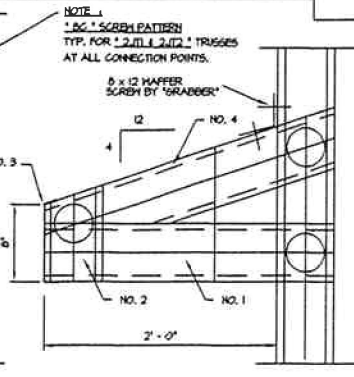
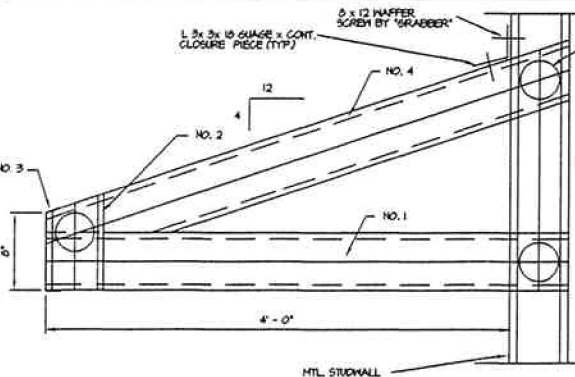
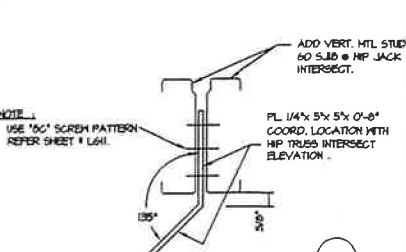
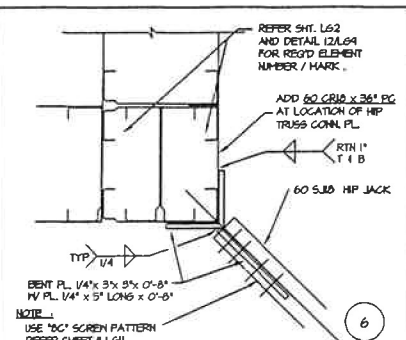
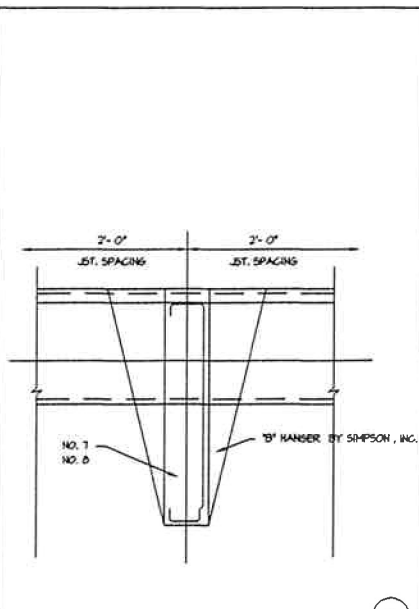
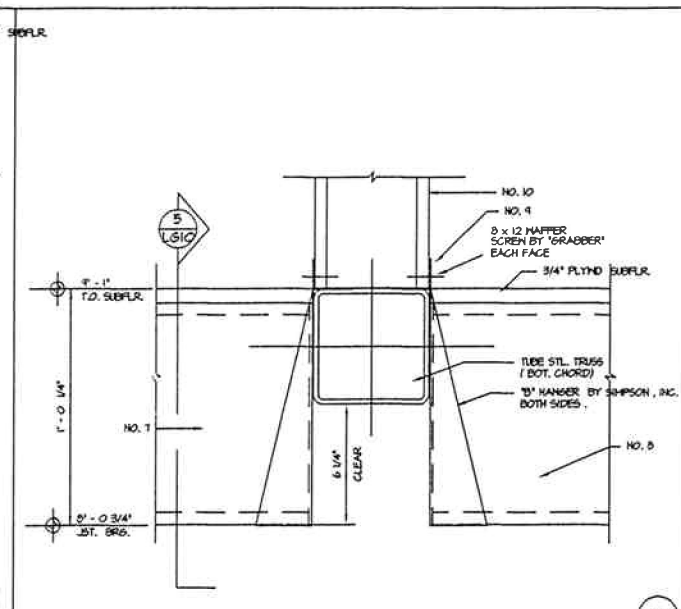
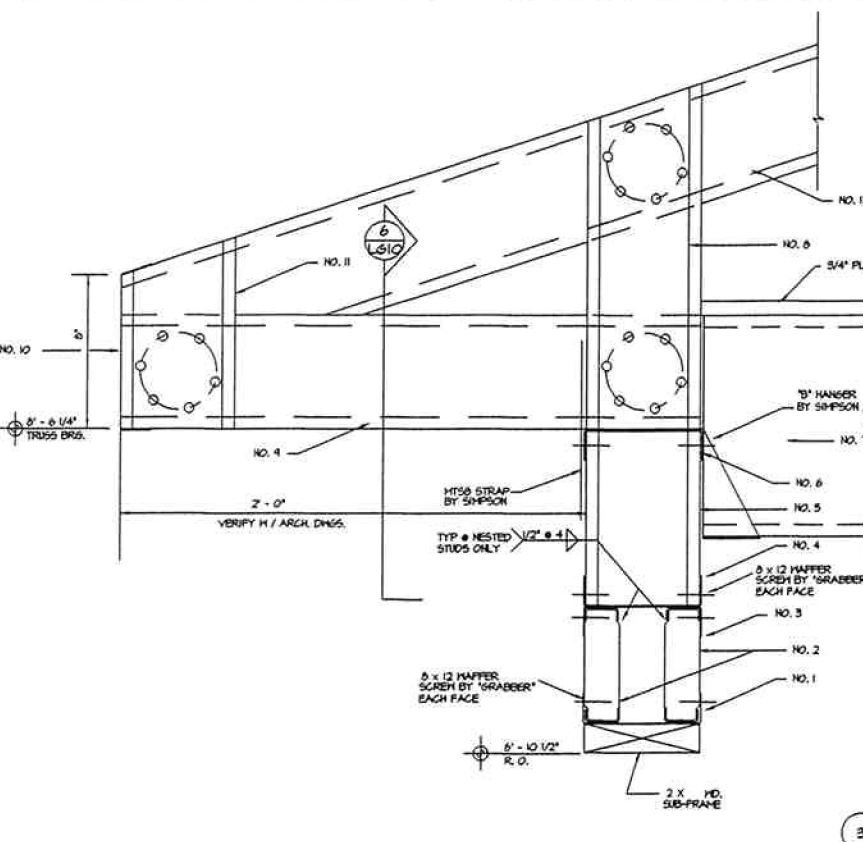


<b>MONTANA STATE UNIVERSITY</b>
CONSULTANT - ARCH HARRISON G. FAGG & ASSOCIATES 222 N. 30th ST. 800 GRANITE TOWER BILLINGS, MONTANA 59001 (406) 249-7811 FAX 249-9278
CONSULTANT - ENG MORRISON MAERLE / CSSA BILLINGS, MONTANA 59002 (406) 656-6000 FAX 659-3432
<b>TYPICAL LIGHT-GUAGE FRAMING</b>
<b>MSU FAMILY HOUSING</b>
DATE: 8-2-84
<b>SHEET</b> <b>LG</b> <b>13</b>



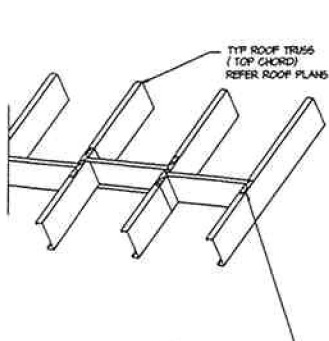


TRUSS - SUI  
( AT STORAGE UNITS )

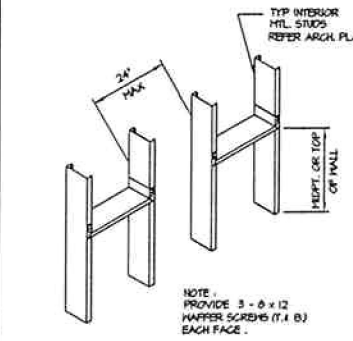


JACK TRUSS - 2JT1  
SCALE: 1/2" = 1'-0"

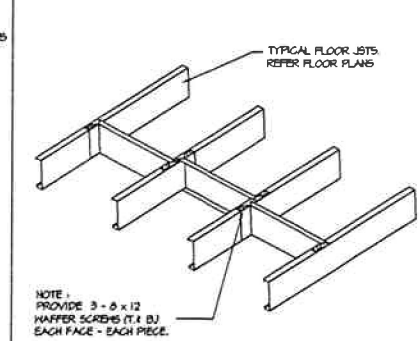
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SCALE: 1/2" = 1'-0"



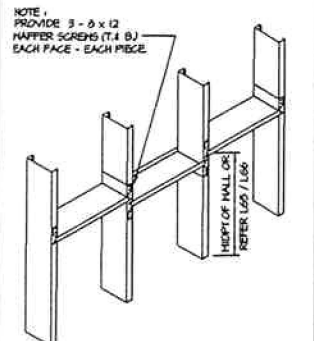
ROOF BRACING  
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NON-LOAD BRG. WALL BRACING  
NO SCALE



ALTERNATE FLOOR BRACING  
( OR USE #13/LG12 )  
NO SCALE



LOAD BEARING WALL BRACING  
NO SCALE

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MONTANA STATE UNIVERSITY  
11/27/2013

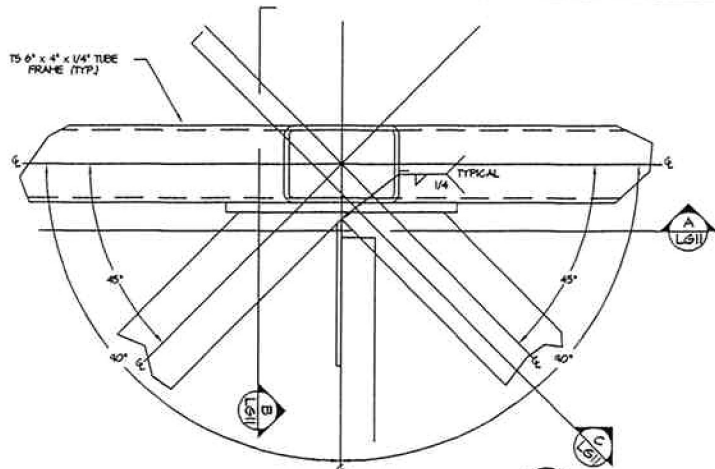
CONSULT: SEE GENERAL NOTES REGARDING THE LOCATION OF THE WALLS IN THE ARCHITECTURAL DRAWINGS. THE WALLS SHALL BE LOCATED AS SHOWN IN THE ARCHITECTURAL DRAWINGS. THE WALLS SHALL BE CONSTRUCTION AS SHOWN IN THE ARCHITECTURAL DRAWINGS.

HARRISON G. FAGG & ASSOCIATES  
222 N 82 ST. 600 GRANITE TOWER  
BILLINGS, MONTANA 59101  
(406) 248-7811 FAX: 248-9278  
MORRISON MAERLE / CSSA  
2020 GRAND AVE.  
BILLINGS, MONTANA 59002  
7461 BELLEVUE AVENUE  
BILLINGS, MONTANA 59101

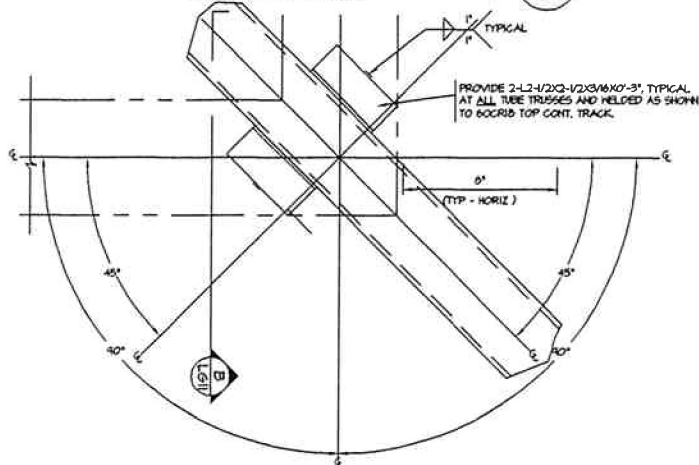
TYPICAL LIGHT-GUAGE FRAMING  
MSU FAMILY HOUSING

REGISTERED PROFESSIONAL ENGINEER  
EVENING FRANCHISE  
10730 PE  
11/27/2013

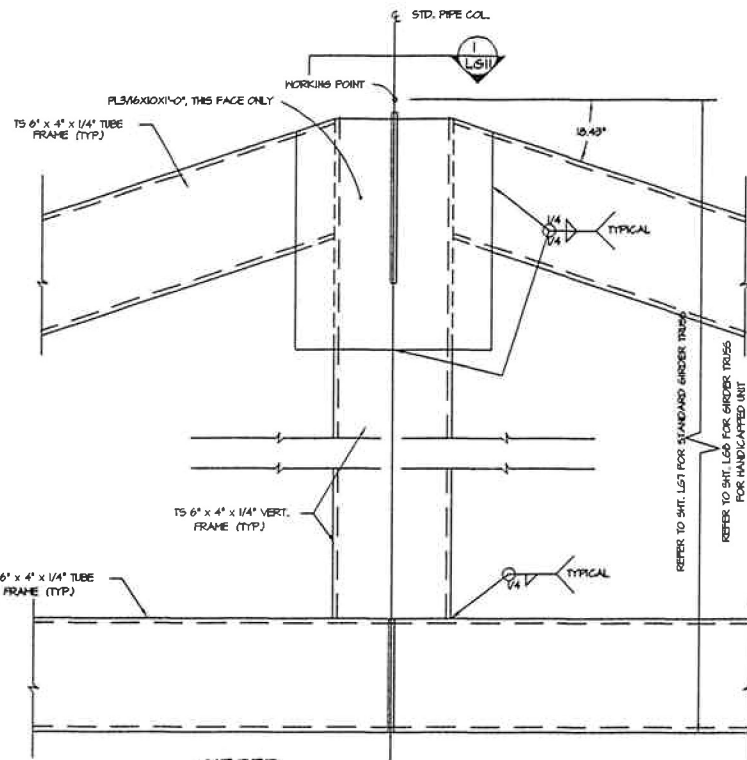
DATE: 8-3-04  
SHEET  
LG10  
OF  
13



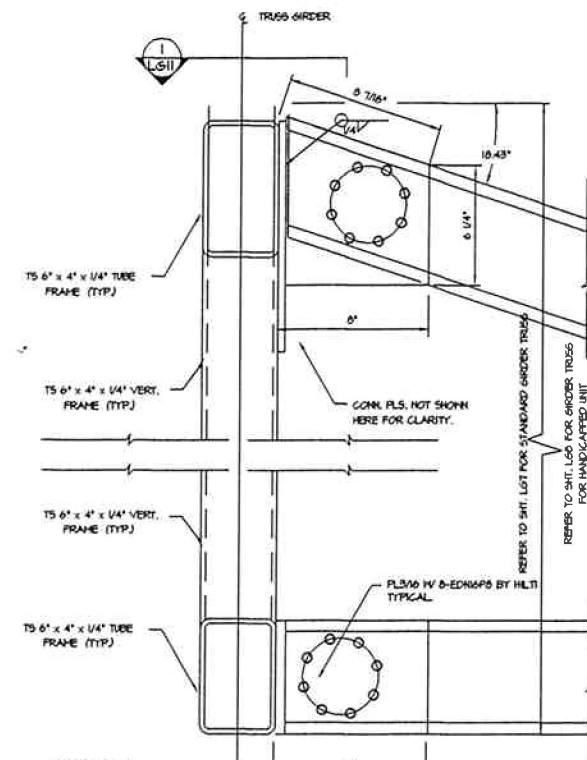
TRUSS SUPPORT - DETAIL/PLAN 1  
SCALE: 3/4" = 1'-0" (TYP. UNO)



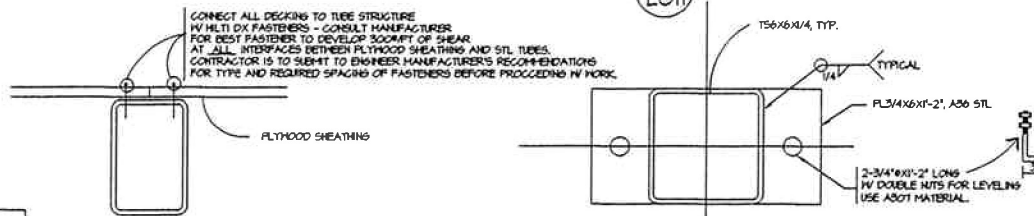
TRUSS SUPPORT - DETAIL/PLAN 2  
SCALE: 3/4" = 1'-0" (TYP. UNO)



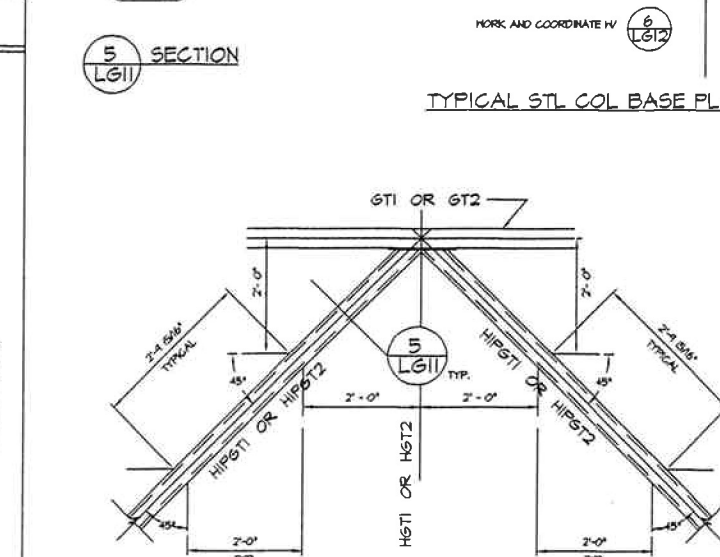
GIRDER TRUSS SUPPORT - DETAIL/ELEVATION A  
SCALE: 3/4" = 1'-0" (TYP. UNO)



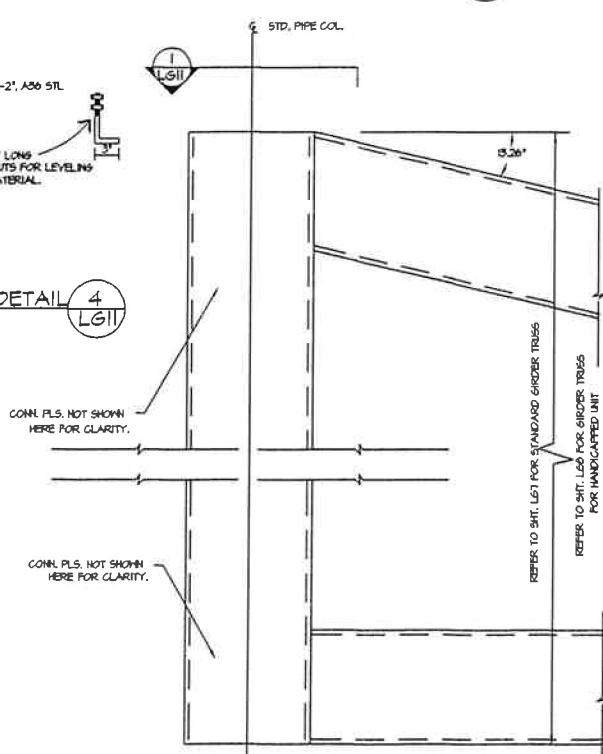
GIRDER TRUSS SUPPORT - DETAIL/ELEVATION B  
SCALE: 3/4" = 1'-0" (TYP. UNO)



TYPICAL STL COL BASE PLATE AND ANCHOR DETAIL  
SCALE: 3/4" = 1'-0" (TYP. UNO)



PLAN - OF CONN. PLS. TO RECEIVE "HIPGT1, HIPGT2, AND JACK" TRUSSES  
SCALE: 3/4" = 1'-0" (TYP. UNO)



HIP GIRDER TRUSS SUPPORT - DETAIL/ELEVATION C  
SCALE: 3/4" = 1'-0" (TYP. UNO)

TYPICAL SCREEN PATTERNS		TYPICAL DETAIL PATTERNS	
CIRCULAR	RECTS. / SQ.		
4 SCREWS (4C)	4R (RECTANGS) ; I.E. = 4R OR 4S (SQUARE) ; I.E. = 4S	1	2
6 SCREWS (6C)	6R (OR 6S)	3	4
8 SCREWS (8C)	8R (OR 8S)	5	
10 SCREWS (10C)	10R (OR 10S)		
12 SCREWS (12C)	12R (OR 12S)		

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1972-2018

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**MORRISON MAERLE / CSSA**  
2020 GRAND AVE  
BILLINGS, MONTANA 59102  
(406) 656-0000 FAX: 656-9432

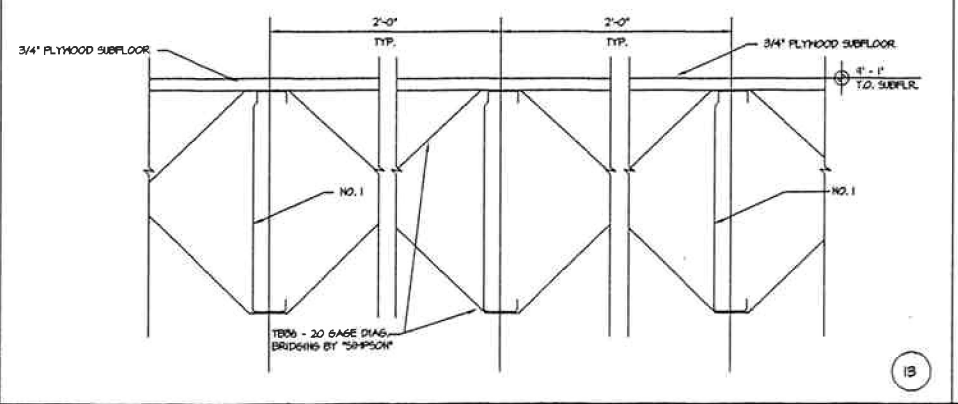
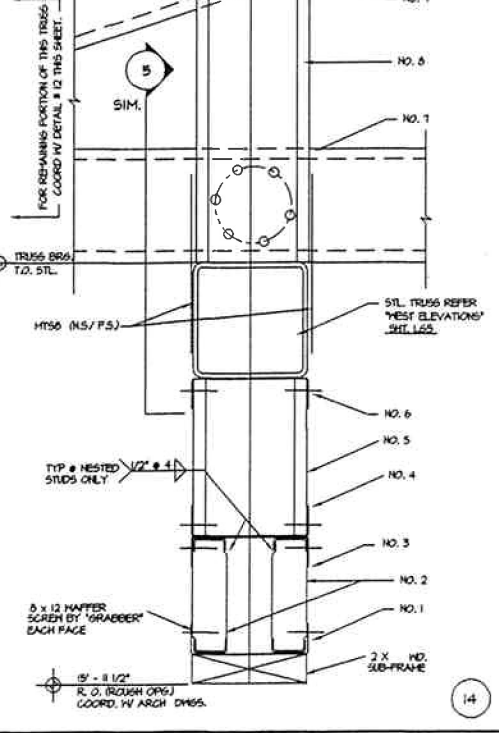
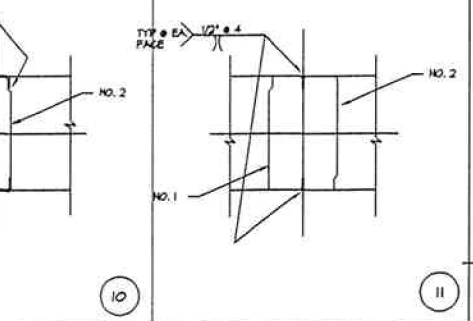
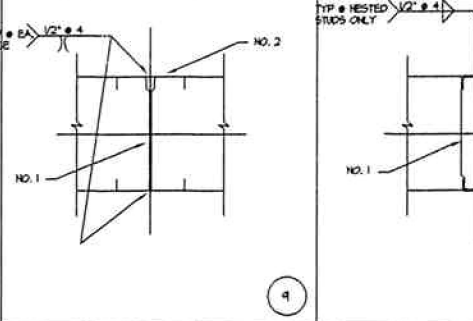
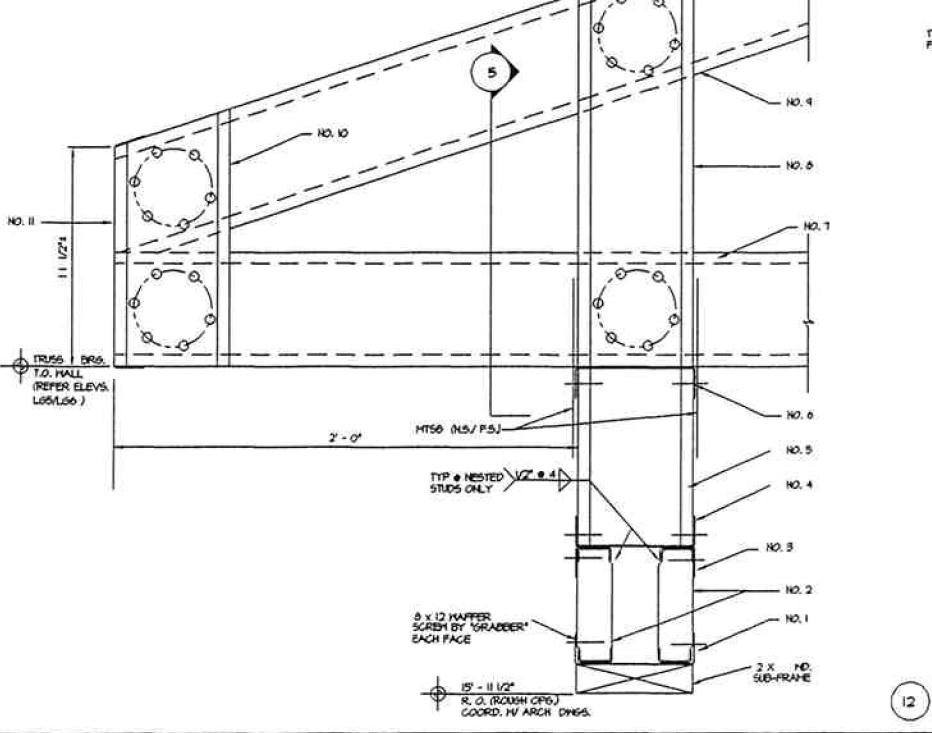
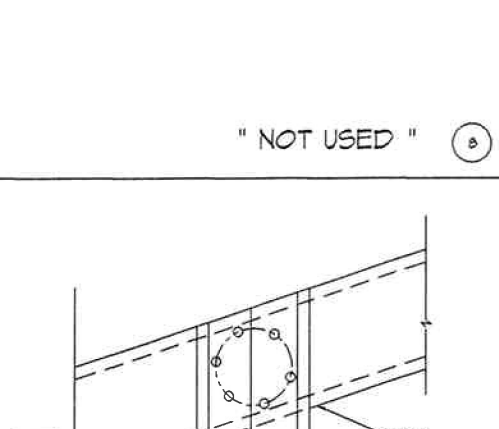
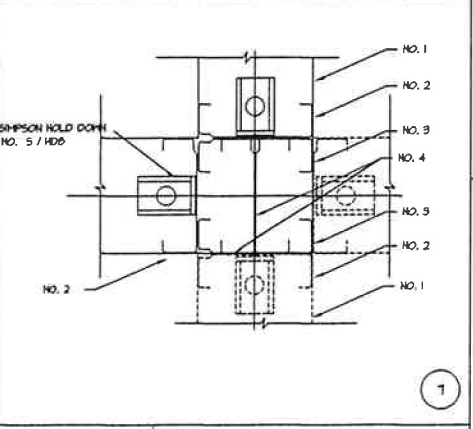
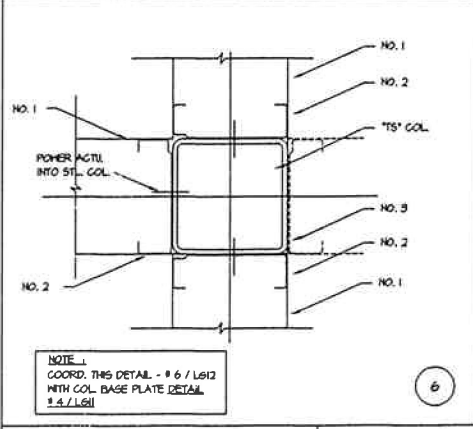
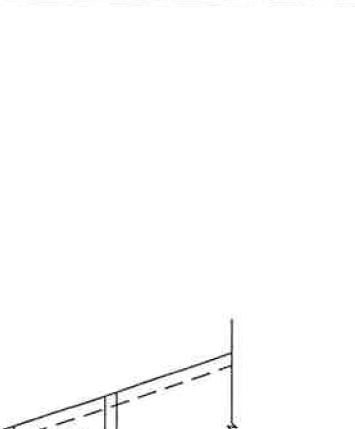
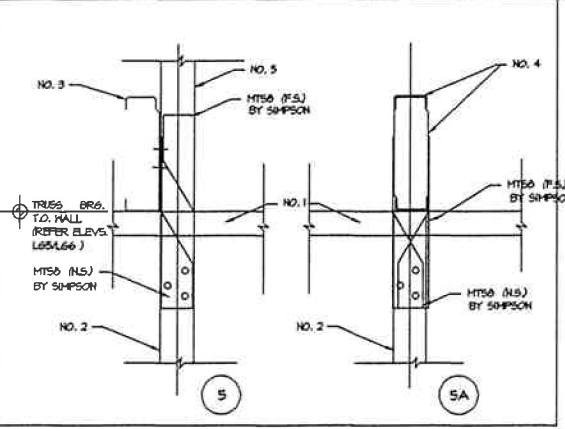
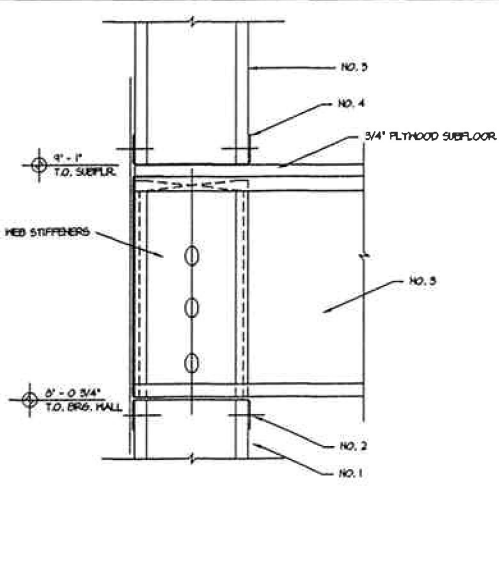
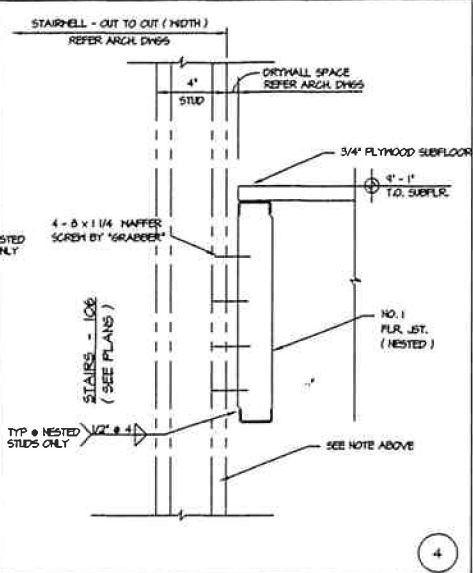
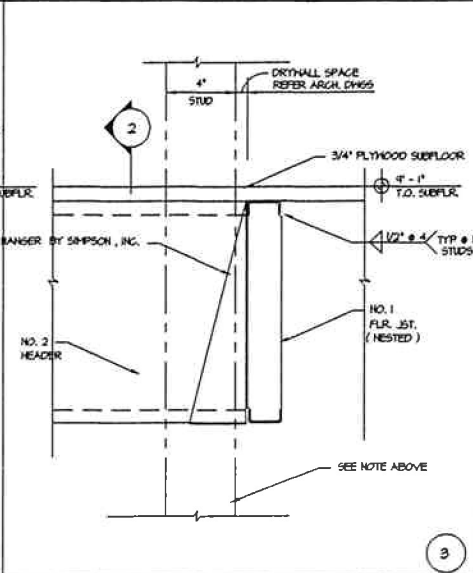
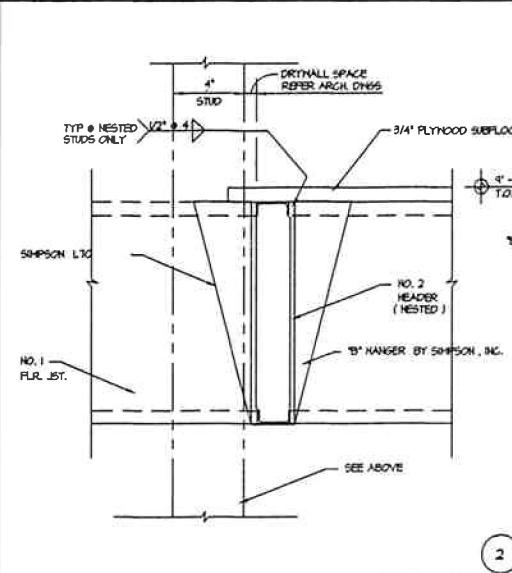
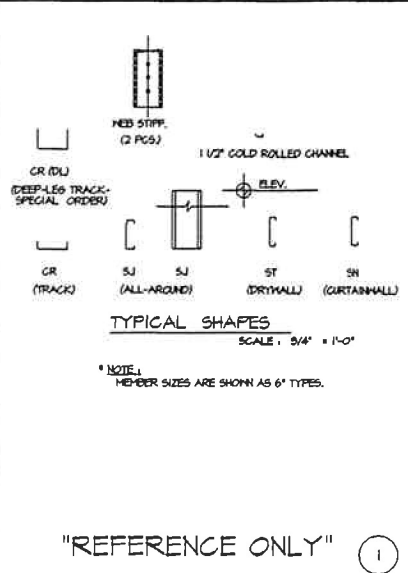
**TYPICAL LIGHT-GUAGE FRAMING**

**MSU FAMILY HOUSING**

**BLISS ENGINEERING & ARCHITECTURE**  
BLISS ENGINEERING & ARCHITECTURE  
10735 PE  
BILLINGS, MONTANA 59101

DATE: 6-2-18

**SHEET**  
LG11  
13



NO.	DATE	DESCRIPTION

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MONTANA STATE UNIVERSITY

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BILLINGS, MONTANA 59102  
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TYPICAL LIGHT-GUAGE FRAMING

MSU FAMILY HOUSING



DATE: 8-2-04

SHEET LG12 OF 13



# LIGHT GAUGE STEEL FRAMING SCHEDULE

DETAIL MARK	ELEMENT NO. 1 SIZE, STYLE, AND GAGE	ELEMENT NO. 2 SIZE, STYLE, AND GAGE	ELEMENT NO. 3 SIZE, STYLE, AND GAGE	ELEMENT NO. 4 SIZE, STYLE, AND GAGE	ELEMENT NO. 5 SIZE, STYLE, AND GAGE	ELEMENT NO. 6 SIZE, STYLE, AND GAGE	ELEMENT NO. 7 SIZE, STYLE, AND GAGE	ELEMENT NO. 8 SIZE, STYLE, AND GAGE	ELEMENT NO. 9 SIZE, STYLE, AND GAGE	ELEMENT NO. 10 SIZE, STYLE, AND GAGE	ELEMENT NO. 11 SIZE, STYLE, AND GAGE	ELEMENT NO. 12 SIZE, STYLE, AND GAGE	ELEMENT NO. 13 SIZE, STYLE, AND GAGE	ELEMENT NO. 14 SIZE, STYLE, AND GAGE	ELEMENT NO. 15 SIZE, STYLE, AND GAGE	REMARKS
1 L64	60 CR10	60 S30														
2 L64	60 CR10	60 S30														
3 L64	60 CR10	60 S30														
4 L64	60 CR10	60 S30				(2) 60 S30										
5 L64	60 CR10	60 S30				(2) 60 S30	(2) 60 S30	(2) 60 S30								
6 L64	60 CR10	60 S30	60 S30	(2) 60 S30	60 S30											
7 L64	60 CR10	60 S30	60 S30	(2) 60 S30												
8 L64	60 CR10	60 S30	60 S30	(2) 60 S30												
9 L64	60 CR10	(2) 60 S30 PAIR	60 CR10	60 CR10	60 S30	60 CR10	105 S30	60 CR10	60 S30							MEMBER 7 AT 24' O.C.
10 L64	60 CR10	60 S30	60 S30	(2) 60 S30	60 S30											
11 L64		60 S30														WORK W/ 6/16/12
12 L64	60 CR10	60 S30	60 S30	(2) 60 S30	60 S30											
13 L64	60 CR10	60 S30	60 S30	(2) 60 S30	60 S30											
14 L64	60 CR10	60 S30	60 S30	(2) 60 S30	60 S30											
15 L64	60 CR10	(2) 60 S30 PAIRS	60 CR10	60 CR10	60 S30	60 CR10	60 CR10	(2) 105 S30 PAIR	60 CR10	60 CR10	60 S30					
16 L64	40 S30	40 CR10	40 CR10 FASCIA	40 S30	40 S30	60 S30	60 CR10									
17 L64	60 CR10	(2) 60 S30 PAIR	60 CR10	60 CR10	60 S30	60 CR10	105 S30	60 S30	60 S30	40 CR10 FASCIA	60 S30	60 S30				
18 L64	60 S30	60 S30	60 CR10 FASCIA	60 S30												
19 L64	(2) 105 S30 FLR ST	(2) 105 S30 HEADER														
20 L64	(2) 105 S30 FLR ST	(2) 105 S30 HEADER														
21 L64	(2) 105 S30															
22 L64	60 CR10	60 S30	60 S30													
23 L64	60 CR10	60 S30	60 S30	(2) 60 S30												
24 L64	60 CR10	(2) 60 S30														
25 L64	60 CR10	(2) 60 S30 NESTED														
26 L64	60 CR10	(2) 60 S30														
27 L64	60 CR10	(2) 60 S30 PAIRS	60 CR10	60 CR10	60 S30	60 CR10	60 S30	60 S30	60 S30	60 S30	105 CR10 FASCIA					
28 L64	60 CR10	(2) 60 S30 PAIR	60 CR10	60 CR10	60 S30	60 CR10	60 S30	60 S30	60 S30							

**GENERAL NOTES**

**DESIGN CRITERIA**

- UNIFORM BUILDING CODE, LATEST EDITION.
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.
- AMERICAN IRON AND STEEL INSTITUTE CODE, LATEST EDITION.
- AWS, D11 AND D13, LATEST EDITION.

**A. LOADINGS**

DESIGN DEAD LOADS	12 PSF
DESIGN LIVE LOADS	20 PSF
DESIGN BASIC SNOW	35 PSF
DESIGN UNBALANCED SNOW	44 PSF
DESIGN SNOW LOADS AT EAVES	60 PSF
DESIGN DEAD LOADS	15 PSF
DESIGN LIVE LOADS	40 PSF
MINI LOADS	65 MPH

**4. SEISMIC LOADS** ZONE IV

**GENERAL**

- THE LIGHTGAUGE SUB-CONTRACTOR SHALL VERIFY ALL NOTES AND DIMENSIONS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- THE LIGHTGAUGE SUB-CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION.
- NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- THE LIGHTGAUGE SUB-CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ANCHORED, EMBEDDED AND/OR SUPPORTED ITEMS OR ANY OTHER WHICH MAY AFFECT THE STRUCTURAL DRAWINGS.
- SUB-CONTRACTOR SHALL SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW THREE COPIES OF MANUFACTURERS SPECIFICATIONS AND LOAD TESTS FOR ALL FASTENERS PRIOR TO ANY CONSTRUCTION.
- ALL WELDING SHALL BE PERFORMED BY DULY CERTIFIED WELDERS QUALIFIED TO EXECUTE WELDING COMPLYING WITH THE AWS CODES CITED HEREIN.

**LIGHTGAUGE METAL FRAMING**

**A. STANDARDS**

- ASTM A-446 STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS STRUCTURAL PHYSICAL QUALITY.
- AWS 'CODE FOR WELDING IN BUILDING CONSTRUCTION, D13'.
- AWS Z491 - F15 "SAFETY IN WELDING AND CUTTING".
- AWI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 1994 EDITION.
- LIGHT-GAUGE MANUFACTURER SHALL BE "MINI-FAST, INC." LOCATED AT 6945 WEST GRAND AVE. FRANKLIN PARK, ILLINOIS 60181-2847 TELEPHONE NO. 800-325-0746 FAX 708-491-4054 NO SUBSTITUTIONS ALLOWED FOR DESIGN SAFETY REQUIRES THE PHYSICAL CHARACTERISTICS OF THE SPECIFIED PRODUCT. IN ADDITION, THE NEARABILITY OF THE SPECIFIED PRODUCT IS UNIQUE TO THE SIGHTED MANUFACTURER.

**B. DESCRIPTION OF WORK**

- EXTENT OF LIGHTGAUGE STEEL FRAMING IS SHOWN ON DRAWINGS.
- TYPES OF LIGHTGAUGE STEEL FRAMING MEMBERS TO BE "S" AND "C" SHAPED STRUCTURAL STEEL STUDS BY "MINI-FAST, INC." UNFINISHED.

**C. QUALITY ASSURANCE**

- COMPONENT DESIGN: STRUCTURAL PROPERTIES OF STUDS AND JOISTS HEREIN CONTAINED IN ACCORDANCE WITH AWI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" 1996 EDITION AND MOST RECENT AMENDMENTS.
- FIRE-RATED ASSEMBLIES: WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED FOR A FIRE-RESISTANCE RATING, THE CONTRACTOR SHALL VERIFY FOR COMPLIANCE WITH GOVERNING REGULATIONS THAT MEMBERS PROVIDED HAVE BEEN APPROVED BY GOVERNING AUTHORITIES HAVING JURISDICTION.
- SYSTEM SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHTGAUGE STEEL FRAMING INSTALLATION AND ERECTORS SHALL PANELIZE WALLS, ROOF, AND FLOORS.
- A PRE-CONSTRUCTION CONFERENCE SHALL BE ESTABLISHED PRIOR TO START OF ANY CONSTRUCTION FOR ENGINEER TO ESTABLISH PANELIZATION AND ERECTION SCHEME.
- TO SATISFY ITEM 4. ABOVE, CONTRACTOR IS TO SCHEDULE A MEETING WITH ENGINEER TO ESTABLISH THE NEEDED PROCEDURES. ENGINEER CAN BE REACHED AT 406-656-6000 AND AT THE ADDRESS SIGHTED HEREIN.
- ENGINEER SHALL BE AVAILABLE TO WORK WITH CONTRACTOR ON ERECTION AND PANELIZATION PROCEDURES AND/OR SCHEME.

**D. SUBMITTALS**

- PRODUCT DATA: SUBMIT MANUFACTURERS PROJECT INFORMATION ON LIGHTGAUGE STEEL FRAMING AND ACCESSORIES, INCLUDING OTHER DATA AS MAY BE REQUIRED TO CERTIFY COMPLIANCE WITH PERFORMANCE AND PRODUCT REQUIREMENTS SPECIFIED HEREIN.
- SHOP DRAWINGS: NO SHOP DRAWINGS ARE REQUIRED TO BE SUBMITTED. THE DESIGN DOCUMENTS HEREIN SHALL BE SUFFICIENT FOR CONSTRUCTION. ANY QUESTIONS ON THE SCOPE OF WORK OR NOTES OR ANYTHING ELSE CAN BE DIRECTED TO ENGINEER FOR CLARIFICATION AND/OR COORDINATION.

**E. PRODUCTS**

- SYSTEM COMPONENTS: WITH EACH TYPE OF STEEL FRAMING REQUIRED, PROVIDE MANUFACTURERS STANDARD STEEL RIMMERS (TRACKS), BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM AND/OR AS INDICATED IN THESE DRAWINGS.
- FABRICATE METAL FRAMING COMPONENTS OF STRUCTURAL QUALITY STEEL SHEET WITH A MINIMUM YIELD POINT OF 40000 PSI FOR STUDS AND GUSSET PLATES, AND 35000 PSI FOR RIMMERS ASTM A-446.
- FASTENERS SHALL BE AS SHOWN ON THESE DESIGN DOCUMENTS. NO SUBSTITUTIONS ALLOWED.
- PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A-525 WITH A 6-80 COATING.
- "S" AND "C" - SHAPED STUDS: MANUFACTURERS STANDARD STRUCTURAL STEEL STUDS OF SIZE, SHAPE AND GAGE INDICATED WITH A 1.175" FLANGE AND 1/2" FLANGE RETURN LIP FOR "S" TYPE.

**F. PERFORMANCE**

- DESIGN WIND AND SEISMIC LOADS ARE IN ACCORDANCE WITH THE CURRENT EDITION OF THE UNIFORM BUILDING CODE.
- WIND LOAD PRESSURES ARE SCALED IN ACCORDANCE WITH THE HEIGHT OF THE STRUCTURE AND MULTIPLIED BY ALL APPLICABLE SHAPE FACTORS. THESE PRESSURES ARE BASED ON MPH SPECIFIED IN DESIGN CRITERIA OF THE NOTES.

**6. FABRICATION**

- GENERAL: FRAMING COMPONENTS WILL BE PREFABRICATED INTO PANELS PRIOR TO ERECTION. FABRICATE PANELS PLUMB, SQUARE, TRUE TO LINE AND BRACED AGAINST RACKING WITH 3/4" PLYWOOD SHEATHING ATTACHED FOR STABILITY. PERFORM LIFTING OF PREFABRICATED PANELS IN A MANNER TO PREVENT DAMAGE OR DISTORTION.
- FASTENINGS: ATTACH SIMILAR COMPONENTS BY SCREWS OR WELDING AS SHOWN. ATTACH DISSIMILAR COMPONENTS BY SCREWS OR WELDING.
  - a) FIRE TYING OF FRAMING COMPONENTS IS NOT PERMITTED.

**H. INSTALLATION**

- INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURERS PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED.
- INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS AND/OR AS INDICATED. ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED, EXCEPT DO NOT EXCEED 12" O.C. SPACING FOR NAIL OR POWER-DRIVEN FASTENERS, OR 12" O.C. FOR OTHER TYPES OF ATTACHMENT. MINIMUM PROVIDE FASTENERS AT CORNERS AND ENDS OF TRACKS.

**FASTENERS**

- PROVIDE SCREWS BY "GRABBER" AS SPECIFIED IN THIS DRAWINGS, NO SUBSTITUTIONS ALLOWED. FOR MORE INFORMATION CALL 1-801-266-4151.
- PROVIDE POWDER ACTUATED FASTENERS BY "MILTI", NO SUBSTITUTIONS ALLOWED. FOR MORE INFORMATION CALL 1-405-475-1022.
- CONTRACTOR SHALL COORDINATE ALL STRAPS AND CONNECTORS FOR LIGHT-GAUGE STEEL CONSTRUCTION BY "HARRISON STRONG-TIE" SPECIFIED HEREIN WITH MANUFACTURER FOR OPTIMUM RECOMMENDED USE. CONTRACTOR SHALL GET PRIOR APPROVAL FROM THE ENGINEER FOR ANY SUBSTITUTIONS OR MANUFACTURERS RECOMMENDATIONS, IF ANY, BEFORE PROCEEDING WITH WORK.

**PLYWOOD SHEATHING**

- PROVIDE 5/8" CDX SPAN RATED 40/20 PLYWOOD AT ROOF IN A STAGGERED PATTERN (CASE I UBC TABLE NO. 25-H). PROVIDE 1/2" CDX STD RATED SHEATHING 240 PLYWOOD AT WALLS AND 3/4" CDX 116 SPAN RATED 40/20 AT FLOORS.
- FASTEN PLYWOOD TO LIGHT-GAUGE STEEL FRAMING W/ DIXON HANGER HEAD SELF DRILLING SCREWS BY "GRABBER". WORK WITH DRAWING LIGN DETAIL 3 FOR FASTENING OF SHEATHING ONTO STRUCTURAL TUBE MEMBERS.
- PROVIDE AN INTERNAL SCREW PATTERN OF 10" O.C. AT BOTH FRAMING AND BLOCKING MEMBERS. PROVIDE A 6" O.C. PATTERN AT BOUNDARY OR EXTERIOR EDGES.

REVISIONS

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TYPICAL LIGHT-GAUGE FRAMING

MSU FAMILY HOUSING

ENGINEER'S SEAL  
 10730 PE

DATE: 8-2-04
SHEET

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