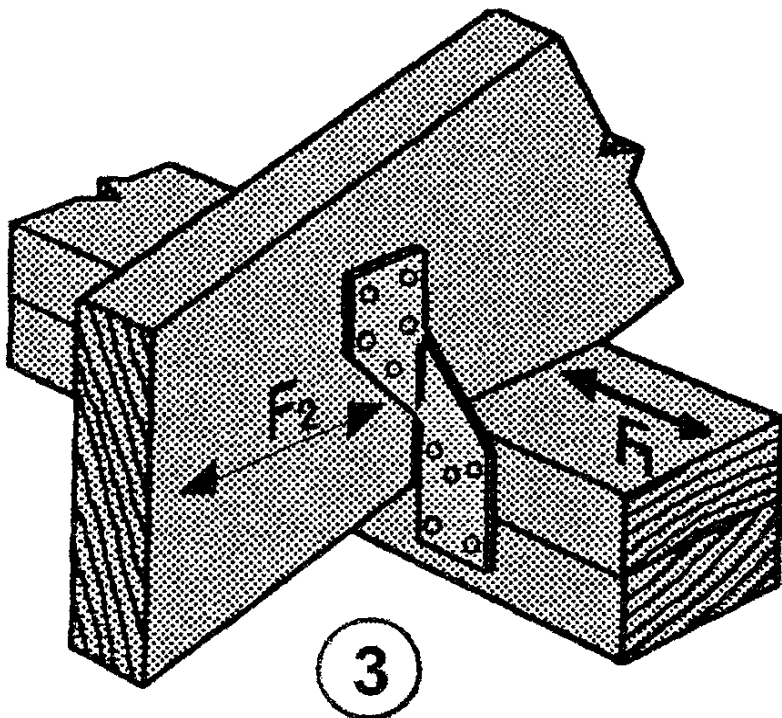


01SE001

*Red Plate*



**H2.5 Installation**  
(Nails into both top plates)

**H SEISMIC AND HURRICANE TIES**

**01SE001**



The H8 allows rafter to top plate and stud to sill plate installation. The H9 is designed to retrofit roof truss/rafters for wood construction. The H9 hurricane tie provides high uplift and lateral capacity using Simpson wood fasteners.

The prestressed 1/2 seat of the H16 provides for a tight fit and reduced deflection. The strap length provides for various truss height up to a maximum of 13 1/2". Minimum heel height for H16 and H16S is 4".

The HGA10 attaches to gable trusses and provides good lateral wind resistance. The HS24 attaches the bottom chord of a truss or rafter at pitches from 0:12 to 4:12 to double 2x4 top plates. Double shear nailing allows for higher lateral resistance.

The H connector series provides wind and seismic ties for trusses and rafters. H10 and H10R optional positive angle nailing connects shear blocking to rafter-use 8d common nails. Slot allows field-bending up to 27° at 0.73 of the table uplift load; bend one time only.

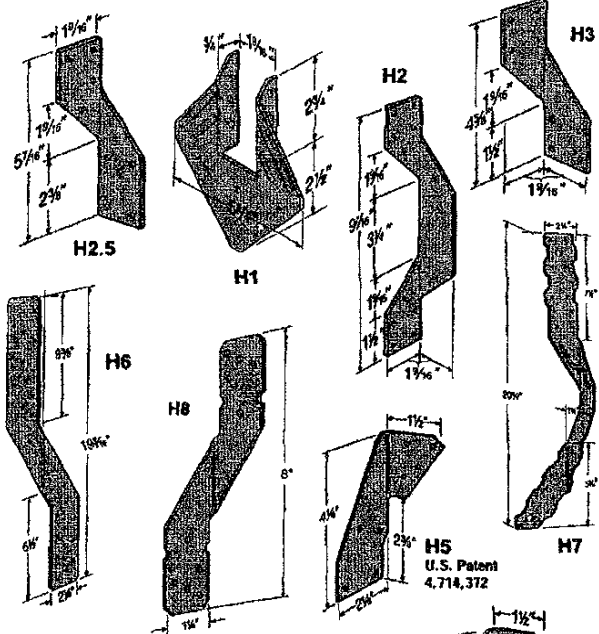
**MATERIAL:** See table

**FINISH:** Galvanized; H10-2, H112-Z-MAX. Other models available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

**INSTALLATION:** Use all specified fasteners. See General Notes.

- The HGA10 can be installed into wood. Screws are provided.
- HS24 requires slant nailing only when bottom chord of truss or rafter has no slope.
- H1 can be installed with flanges facing outwards (reverse of drawing number 1). When installed inside a wall, a birdsmouth cut is required.
- H2.5, H3, H4, H5 and H6 ties are shipped in equal quantities of separate rights and lefts.
- Bend the H7 over the top of the truss. Install a minimum of four 8d nails into the truss, including two into the truss side.
- Hurricane Ties do not replace solid blocking.

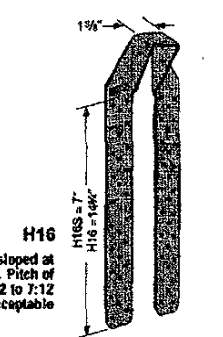
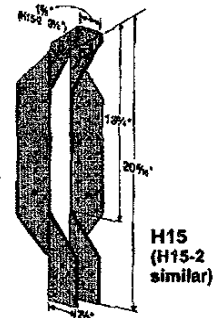
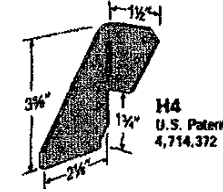
**CODES:** BOCA, ICBO, SBCCI NER-422, NER-393, NER-432; NER-499; Dade Co. FL 97-0107.05; City of L.A. RR 24818.



Straps & Ties

Model No.	Co.	Fasteners			Uplift (lb)	Lateral (lb)				Space Frame (lb)				Uplift (lb) w/ 10-12 Nails	
		To Rafters/Truss	To Plates	To Stud		Wind	Earthquake	Wind	Earthquake	Wind	Earthquake	Wind	Earthquake		
HGA10	14	4-SDS $\frac{1}{2}$ x1 $\frac{1}{2}$	4-SDS $\frac{1}{2}$ x3	—	1523	435	435	1165	940	—	375	375	870	615	—
HS24	18	8-8d	8-8d	—	2265	605	605	1710	1020	—	520	520	565	680	—
H1	18	6-8d $\times$ 1 $\frac{1}{2}$	4-8d	—	1958	490	585	485	165	455	400	400	415	140	370
H2	18	5-8d	—	5-8d	1040	335	—	—	—	335	230	250	—	—	
H2.5	18	5-8d	—	5-8d	1205	425	415	510	160	415	235	265	130	135	265
H3	18	4-8d	4-8d	—	1433	455	455	125	180	415	320	320	105	140	290
H4	20	4-8d	4-8d	—	1144	360	360	165	180	360	235	235	140	135	235
H5	18	4-8d	4-8d	—	1485	455	455	125	180	415	265	265	100	170	415
H6	18	5-8d	—	5-8d	3265	615	615	960	—	—	785	820	560	—	—
H7	16	4-8d	2-8d	8-8d	2991	930	985	400	—	—	800	845	345	—	—
H8	18	5-10dx1 $\frac{1}{2}$	5-10dx1 $\frac{1}{2}$	—	2422	620	745	—	—	—	530	565	—	—	—
H9	18	4-SDS $\frac{1}{2}$ x1 $\frac{1}{2}$	5-SDS $\frac{1}{2}$ x1 $\frac{1}{2}$	—	2812	875	875	680	125	—	755	755	680	125	—
H10	18	4-8d	4-8d	—	1145	360	360	165	180	360	235	235	140	135	235
H10R	18	4-8d	4-8d	—	1145	360	360	165	180	360	235	235	140	135	235
H112	18	6-16dx2 $\frac{1}{2}$	6-16dx2 $\frac{1}{2}$	—	5097	830	830	525	760	—	715	715	450	655	—
H12	18	4-10dx1 $\frac{1}{2}$	4-10dx1 $\frac{1}{2}$	—	1670	400	400	130	140	—	1120	1120	470	—	—
HS24	18	4-10dx1 $\frac{1}{2}$	4-10dx1 $\frac{1}{2}$	—	5070	1300	1300	340	—	—	1120	1120	470	—	—
H16	18	2-10dx1 $\frac{1}{2}$	10-10dx1 $\frac{1}{2}$	—	—	1600	1600	—	—	—	1300	1300	—	—	—
H16S	18	2-10dx1 $\frac{1}{2}$	10-10dx1 $\frac{1}{2}$	—	—	1600	1600	—	—	—	1300	1300	—	—	—

1. Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed.
2. Allowable loads are for one anchor. A minimum rafter thickness of 2 1/2" must be used when framing anchors are installed on each side of the joist and on the same side of the plate.
3. Allowable uplift load for stud to bottom plate installation is 360 lbs (H4); 400 lbs (H2.5); 310 lbs (H8).
4. H8 - install 4-8d nails into the bottom plate and 5 8d nails into the stud.
5. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.
6. HS24 allowable loads without slant nailing are 625 lbs (uplift), 590 lbs (F 1), 640 lbs (F 2).
7. Hurricane Ties are shown installed on the outside of the wall for clarity. Installation on the inside of the wall is acceptable. For a Continuous Load Path, connections must be on same side of the wall.



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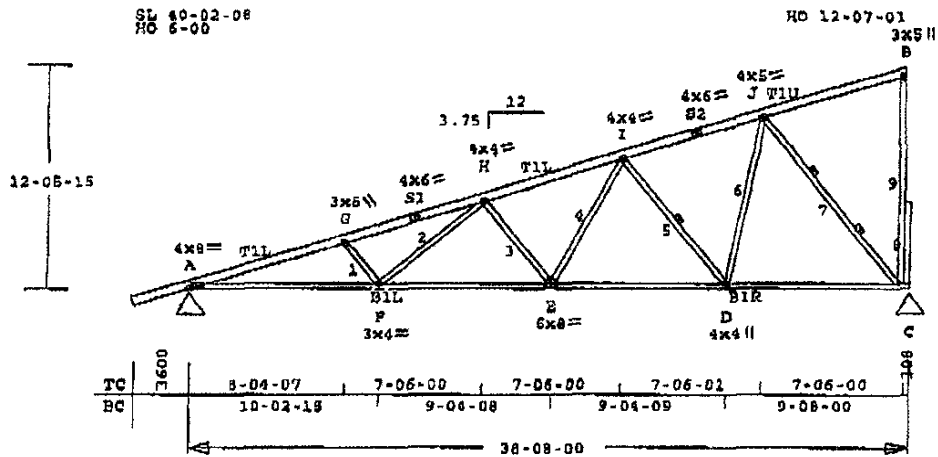
QUAN TYPE SPAN P1-H1 OVERHANGS SCALE RCALDWEL

MARK

22 MONO 380800 3.75 30000 0.110"=1'

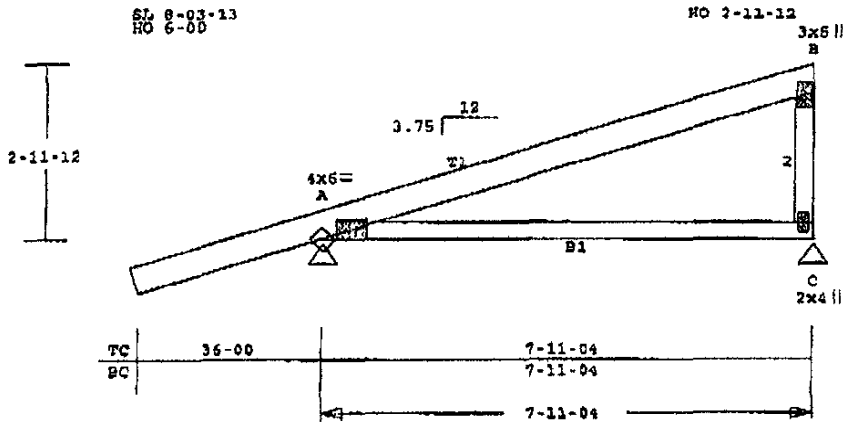
R4

01SE001



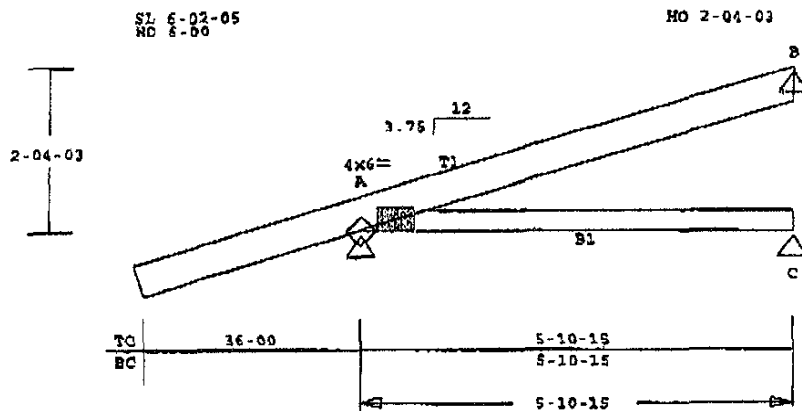
66 MONO 71104 3.75 30000 0.365"=1'

COMM



8 JCA2 51015 3.75 30000 0.432"=1'

J1



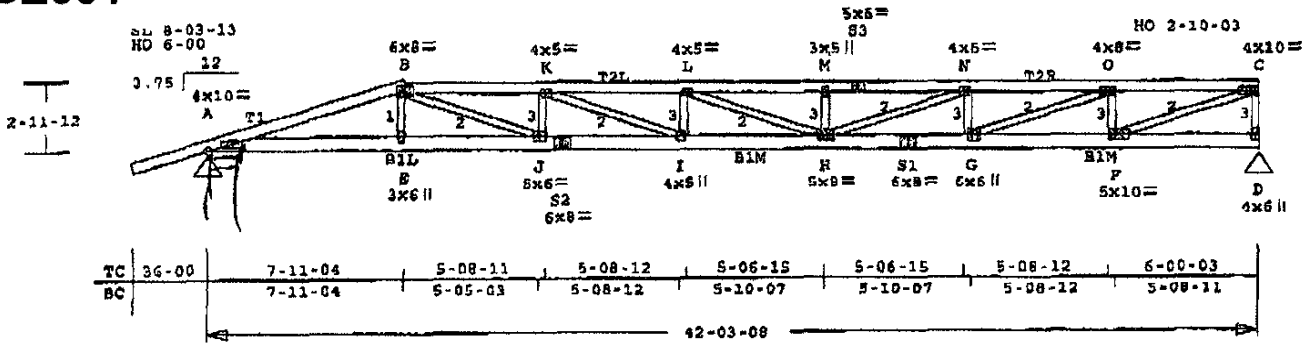
QUAN TYPE SPAN P1-H1 OVERHANGS SCALE RCALDWEL

MARK

6 GHHP 420308 3.75 30000 0.147"=1'

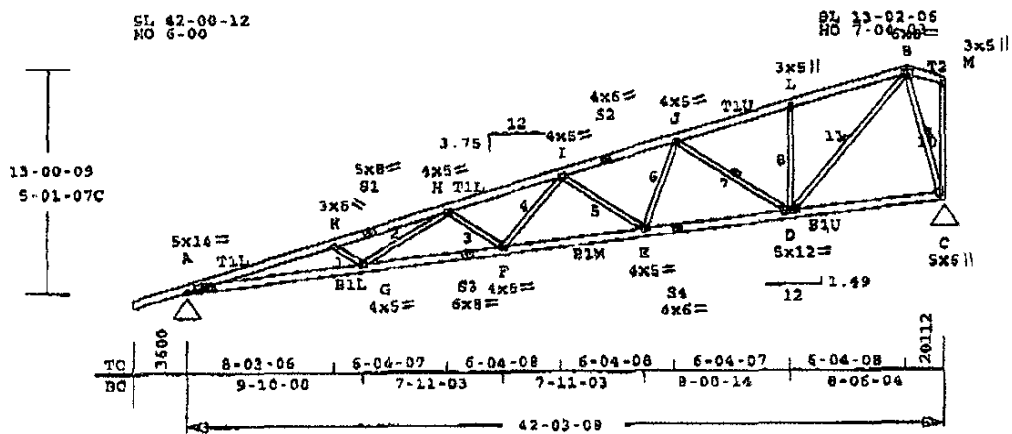
R1

01SE001



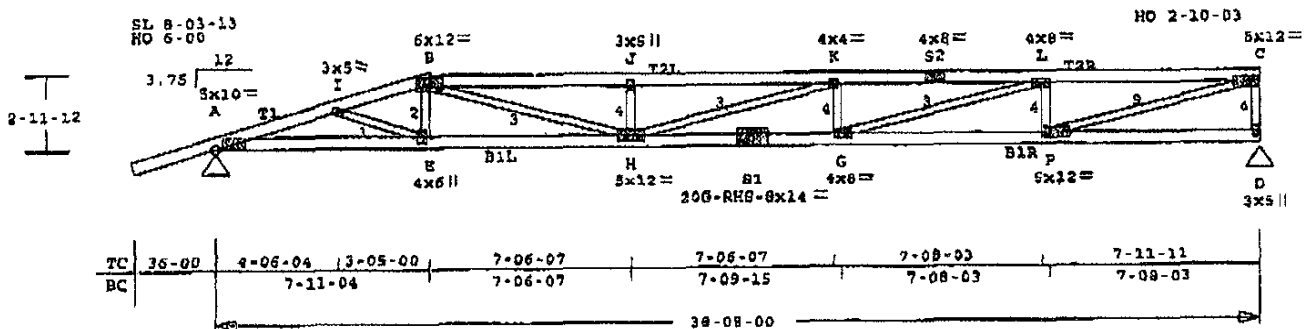
22 SP 420308 3.75 30000 0.106"=1'

R2



4 GHHP 380800 3.75 30000 0.159"=1'

R3



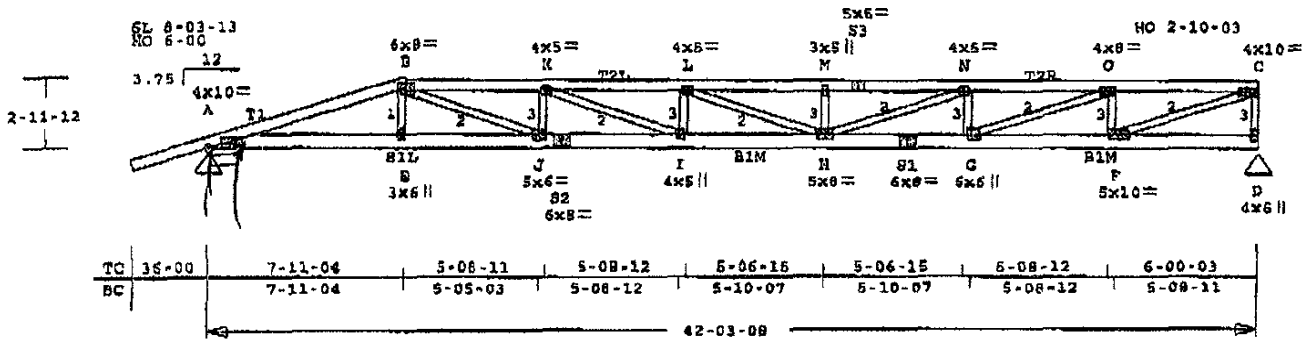
QUAN TYPE SPAN P1-H1 OVERHANGS SCALE RCALDWEL

MARK

6 GHHP 420308 3.75 30000 0.147"=1'

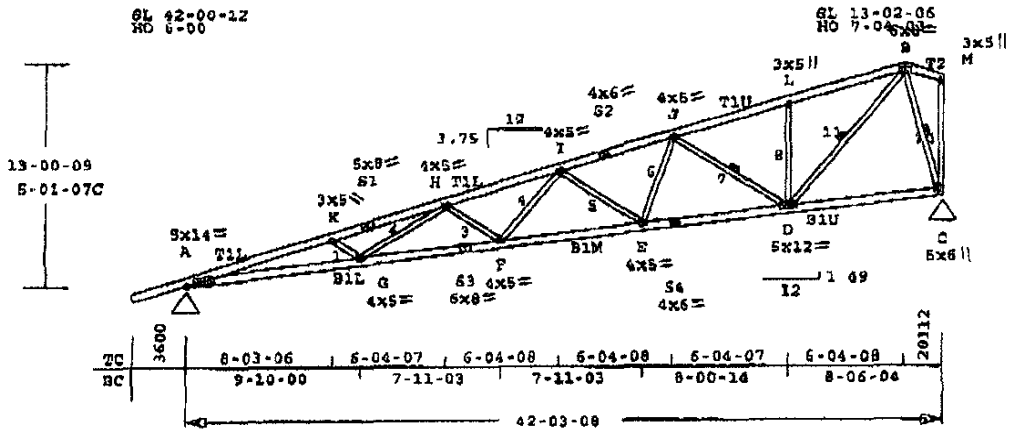
R1

01SE001



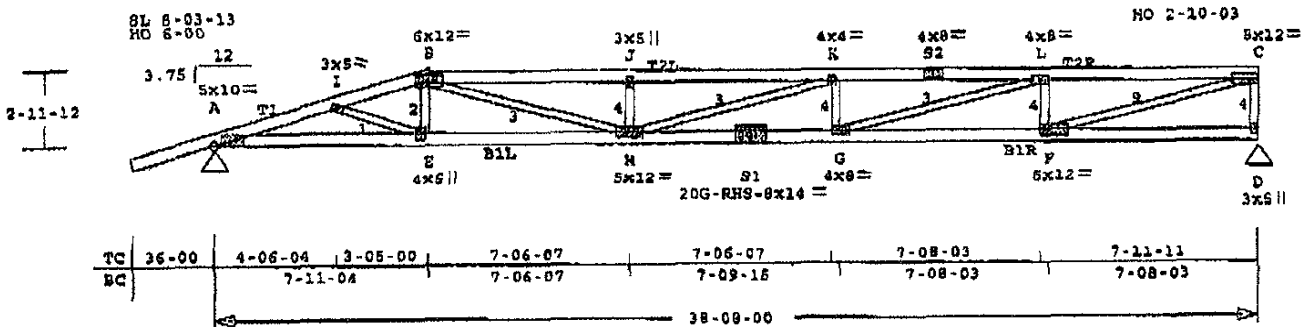
22 SP 420308 3.75 30000 0.106"=1'

R2



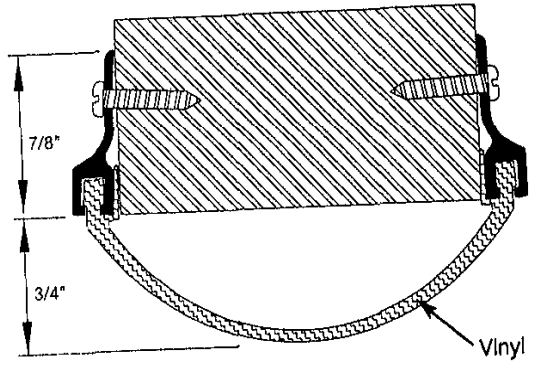
4 GHHP 380800 3.75 30000 0.159"=1'

R3

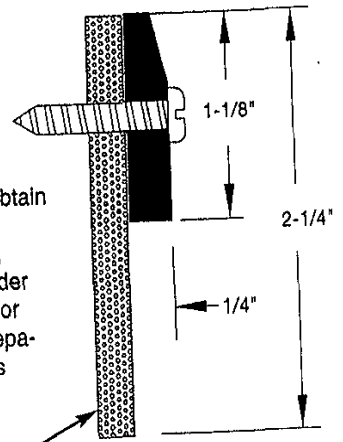


## 01SE001

4A 64C  
4D 64G

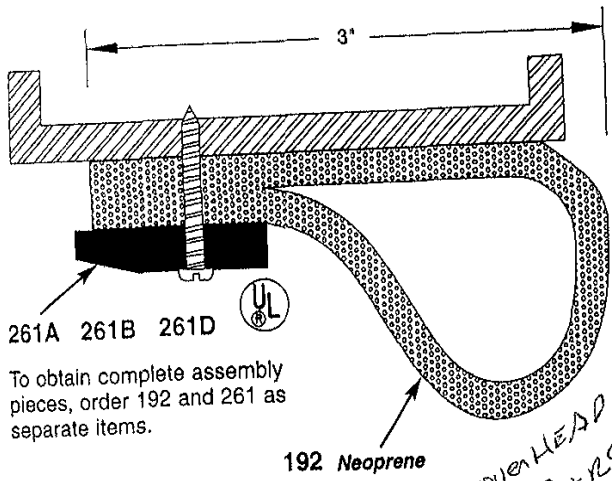


261A  
261B  
261D



Note: to obtain complete assembly, please order 261, 214 or 414 as separate items

214 — 3/16" X 2-1/4"  
414 — 3/16" X 4-14"

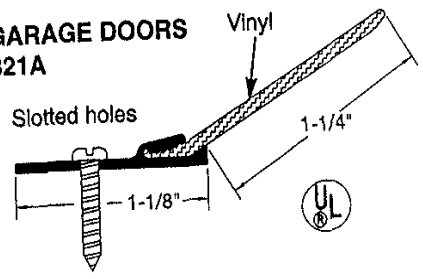


To obtain complete assembly pieces, order 192 and 261 as separate items.

192 Neoprene

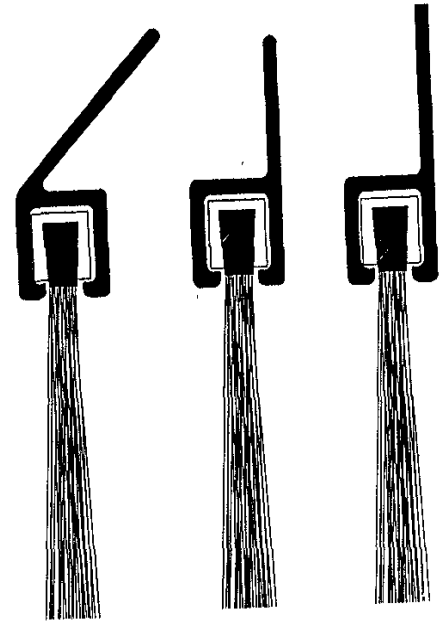
*OVERHEAD DOORS WEATHER STRIP*

### GARAGE DOORS 821A



### NYLON BRUSHES

See pages 28 through 31 for full line of nylon brushes. All brushes are UL approved.



### Finish Designations:

- A — Aluminum mill finish
- B — Clear anodized aluminum
- D — Dark bronze anodized aluminum
- G — Gold anodized aluminum



970C  
970D

