A PROJECT FOR:



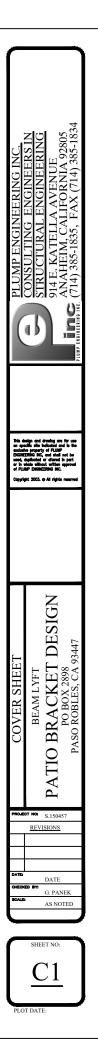
U.S. PATENT NO. 9,822,524

SCOPE OF WORK

1. PATIO BRACKET DESIGNS

SHEET INDEX

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GENERAL REQUIREMENTS:

- 1. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ENGINEER OR ARCHITECT.
- 2. ALL DIMENSIONS CONTROLLED BY EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE.
- 3. CONSTRUCTIONS AND MATERIALS SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH ALL THE REQUIREMENTS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION. INCLUDING ALL COUNTY AND LOCAL ORDINANCES, AND THE SAFETY ORDERS OF THE STATE INDUSTRIAL ACCIDENT COMMISSION, OSHA.
- 4. GENERAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL GRADES, DIMENSIONS, AND CONDITIONS PRIOR TO BIDDING AND COMMENCING CONSTRUCTION.
- 5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL WORK, INCLUDING THAT OF ALL SUB-TRADES
- 6. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS.
- 7. ALL WORK PERFORMED SHALL CONFORM WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE (LATEST ADOPTED EDITION) OR OTHER APPLICABLE GOVERNING CODES AND BUILDING ORDINANCES.
- 8. ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS ACCUMULATED AS A RESULT OF THEIR OPERATION. ALL SCRAP. DEBRIS, AND OTHER EXCESS MATERIAL SHALL BE REMOVED FROM THE BUILDING SITE.
- 9. THE OWNER SHALL HAVE THE RIGHT TO MAKE CERTAIN CHANGES IN THE WORK AND THE CONTRACT AMOUNT SHALL BE ADJUSTED ACCORDINGLY. HOWEVER, THE GENERAL CONTRACTOR SHALL NOT PROCEED WITH ANY CHANGES WITHOUT THE WRITTEN APPROVAL OF THE OWNER.
- 10. ALL MATERIALS SHALL BE FURNISHED AS SHOWN HEREIN UNLESS EQUAL ALTERNATES ARE APPROVED IN WRITING BY THE OWNER.
- 11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND PROVIDING BRACING DURING CONSTRUCTION AND/OR ERECTION TO SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED.
- 12. SEE ARCHITECT'S SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, IF APPLICABLE.
- 13. ANY REFERENCE TO THE WORDS APPROVE. APPROVED. OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

GENERAL REQUIREMENTS CONT.:

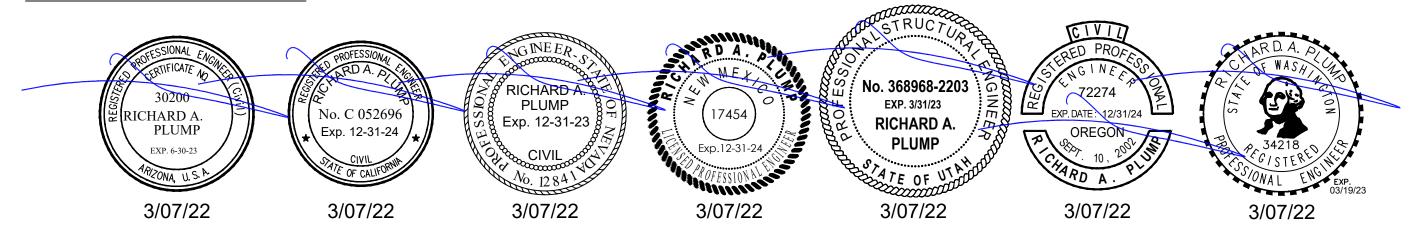
14. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT OR ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT OR ENGINEER, WHETHER OF MATERIAL OR WORK, AND FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING COMPLIANCE WITH CONTRACT DOCUMENTS. DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

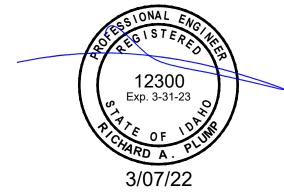
STRUCTURAL STEEL:

- 1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM AND SHALL BE FABRICATED ACCORDING TO AISC PRACTICE AND SPECIFICATIONS FOR BUILDING.
- PLATES & BARS SHALL CONFORM TO ASTM A-36/A36M-05 U.N.O.
- 3. STRUCTURAL SHAPES SHALL CONFORM TO ASTM A-992/A992-06a
- 4. TUBE MEMBERS SHALL CONFORM TO ASTM A-500. GRADE B (Fv=46 KSI) PIPE COLUMNS SHALL CONFORM TO ASTM A-53, GRADE B.
- 5. WELDING SHALL CONFORM WITH THE LATEST ADDITION OF THE WELDING CODE AWSD1.1-08. USE APPROVED ELECTRODES CONFORMING WITH ASTM A-233. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS APPROVED BY THE BUILDING DEPARTMENT. ALL FIELD WELDING SHALL BE CONTINUOUSLY INSPECTED BY A REGISTERED DEPUTY INSPECTOR, AT THE EXPENSE OF THE GENERAL CONTRACTOR UNLESS A PRIOR AGREEMENT IS NEGOTIATED WITH THE OWNER.
- NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU 6 STRUCTURAL STEEL MEMBERS. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THE ENGINEER.

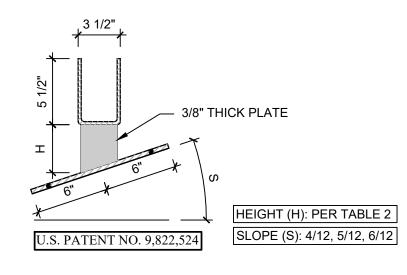
LUMP ENGINEERING INC.	CONSULTING ENGINEERSIN STRUCTURAL ENGINEERING 914 E. KATELLA AVENUE ANAHEIM, CALIFORNIA 92805 (714) 385-1835, FAX (714) 385-1834
This d on spo exclusi ENGINE used, or in t	eign and drawing are for use cills allo holicoted and in the we property of PLUMP EMAGE and and and and to applicated or distand in part halos without without opproval
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GENERAL NOTES	BEAMLYFT ATIO BRACKET DESIGN PO BOX 2898 PASO ROBLES, CA 93447
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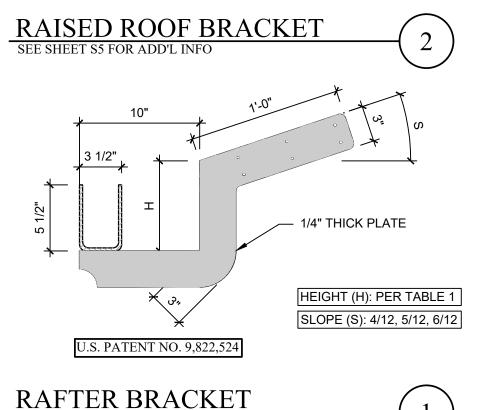
STATE APPROVALS:











SEE SHEET S4 FOR ADD'L INFO

TABLE 2:	RAIS	SED ROOF BRACK	ET
DEAD LOAD	LIVE LOAD	COVER PROJECTION	BRACKET SPACING
3.0 PSF	10.0 PSF	10'-0"	40'-0"
3.0 PSF	10.0 PSF	20'-0"	24'-0"
3.0 PSF	20.0 PSF	10'-0"	24'-0"
3.0 PSF	20.0 PSF	20'-0"	16'-0"
3.0 PSF	30.0 PSF	10'-0"	20'-0"
12.0 PSF	20.0 PSF	10'-0"	20'-0"
12.0 PSF	20.0 PSF	20'-0"	12'-0"

NOTES:

SEE METALS BUILDING PRODUCTS ICC-ESR 1953 FOR ALLOWABLE 3x8 HEADER SPAN.
 RAISED ROOF BRACKET TO BE INSTALLED DIRECTLY ABOVE EXTERIOR STUD WALL.

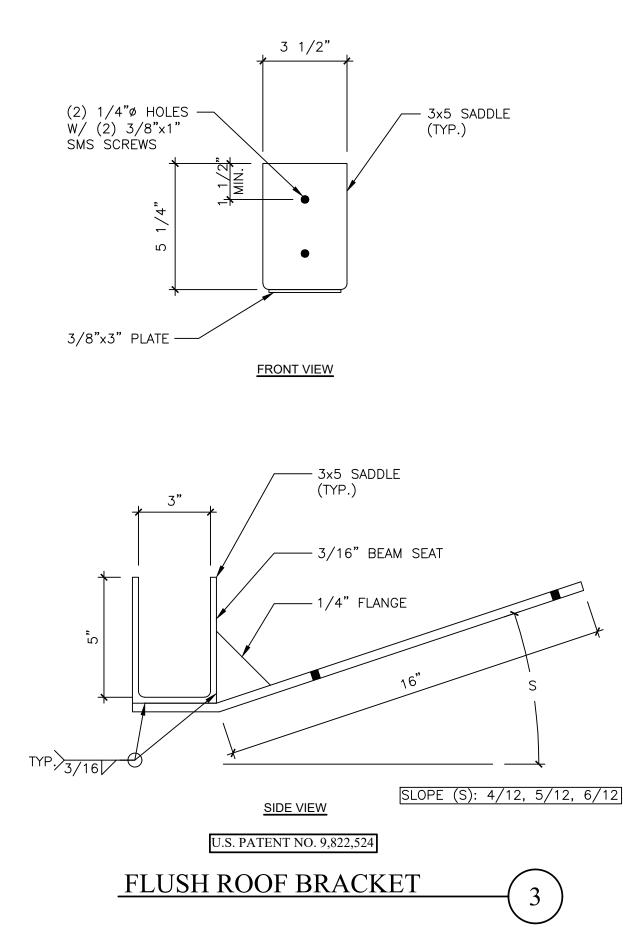
TABLE 1:	F	RAFTER BRACKE	Г	
DEAD LOAD	LIVE LOAD	COVER PROJECTION	BRACKET SPACING	BRACKET HEIGHT (H)
3.0 PSF	10.0 PSF	10'-0"	16'-0"	3" MIN – 8" MAX
3.0 PSF	10.0 PSF	15'-0"	10'-0"	3" MIN – 8" MAX
3.0 PSF	10.0 PSF	20'-0'	8'-0"	3" MIN – 8" MAX
3.0 PSF	20.0 PSF	10'-0"	8'-0"	3" MIN – 8" MAX
3.0 PSF	20.0 PSF	15'-0'	6'-0"	3" MIN – 8" MAX
3.0 PSF	30.0 PSF	15'-0"	4-0"	3" MIN – 8" MAX
12.0 PSF	20.0 PSF	15'-0"	4-0"	3" MIN - 8" MAX

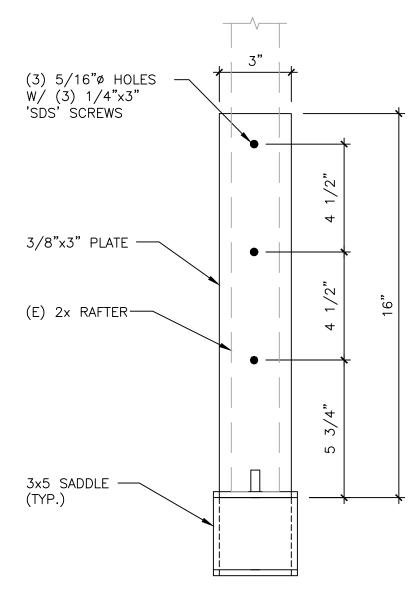
NOTES:

- SEE DETAILS LA32, MU107 & M3 ON FOUR SEASONS BUILDING PRODUCTS ICC-ESR 1953 FOR ALLOWABLE EAVE OVERHANGS & EXISTING RAFTER SIZE.
 BRACKETS SPACING EXCEEDING ALLOWABLE SPANS PER DETAILS LA32, MU107 & M3
- SHOULD BE EVALUATED ON PER EACH INDIVIDUAL CASE.

BRACKET HEIGHT (H)
 12" MAX
12" MAX
12" MAX
12" MAX
12" MAX
12" MAX
12" MAX

PLUMP ENGINEERING INC. CONSULTING ENGINEERSIN STRUCTURAL ENGINEERING 914 E.KATELLA AVENUE ANAHEIM, CALIFORNIA 92805 ANAHEIM, CALIFORNIA 92805 (714) 385-1835, FAX (714) 385-1834
Biologization de la construction
ALLOWABLE TABLES BEAMLYFT PATIO BRACKET DESIGN POBLES, CA 9347
PROJECT NO: S.150457 <u>REVISIONS</u>
DATE DATE CHECKED BY G. PANEK
SCALE: AS NOTED
SHEET NO:
<u>S</u> 2
PLOT DATE:





TOP VIEW

TABLE 3:	FLUSH FOO	R BRACKET
DEAD LOAD	LIVE LOAD	COVER PROJECTION
3.0 PSF	10.0 PSF	10'-0"
3.0 PSF	10.0 PSF	15'-0"
3.0 PSF	10.0 PSF	20'-0"
3.0 PSF	20.0 PSF	10'-0"
3.0 PSF	20.0 PSF	15'-0"
3.0 PSF	30.0 PSF	10'-0"
12.0 PSF	20.0 PSF	10'-0"

NOTES:

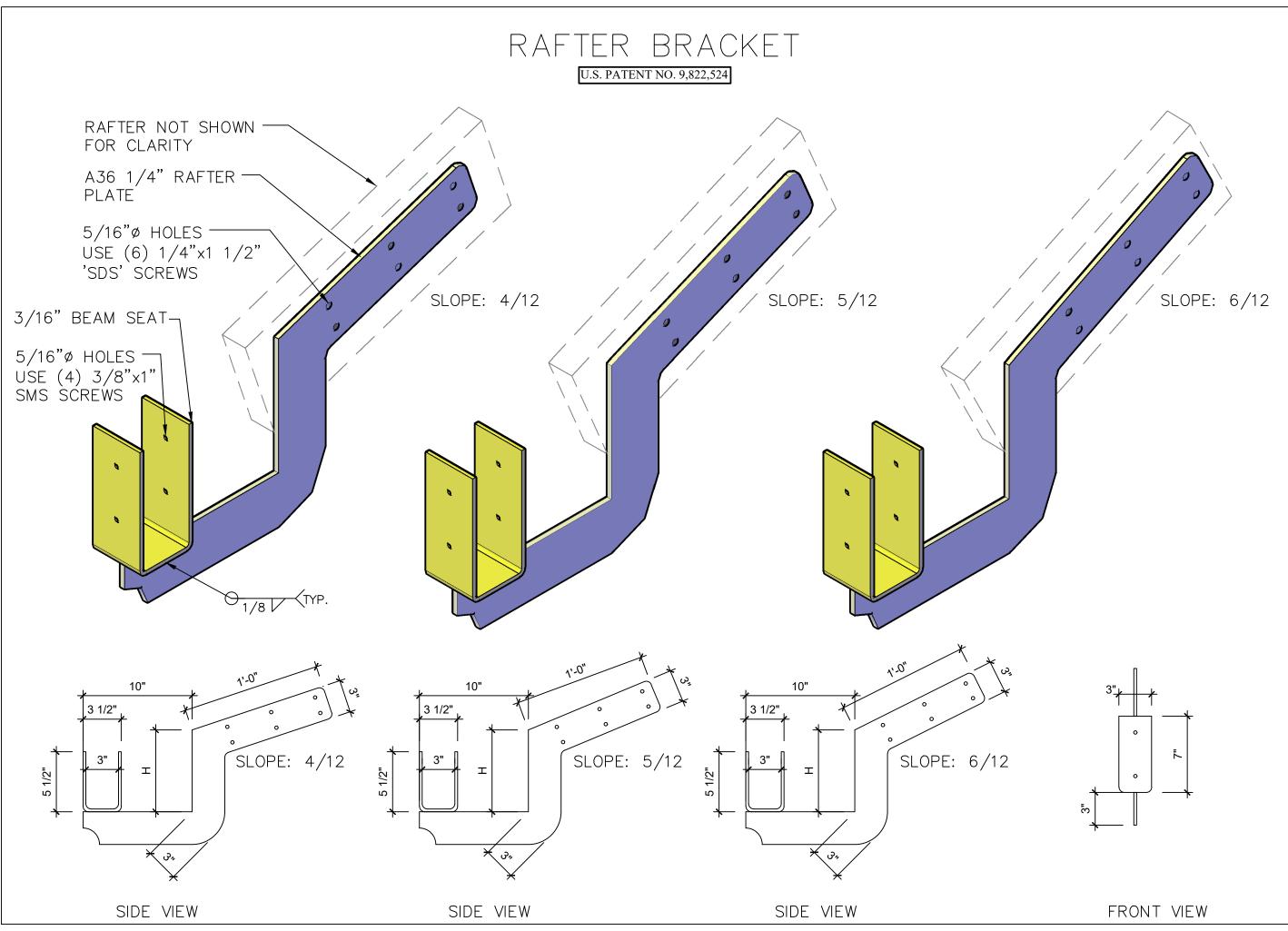
1. SEE DETAILS LA32, MU107 & M3 ON FOUR SEASONS FOR ALLOWABLE EAVE OVERHANGS & EXISTING RAFTER

2. BRACKETS SPACING EXCEEDING ALLOWABLE SPANS PER SHOULD BE EVALUATED ON PER EACH INDIVIDUAL CAS

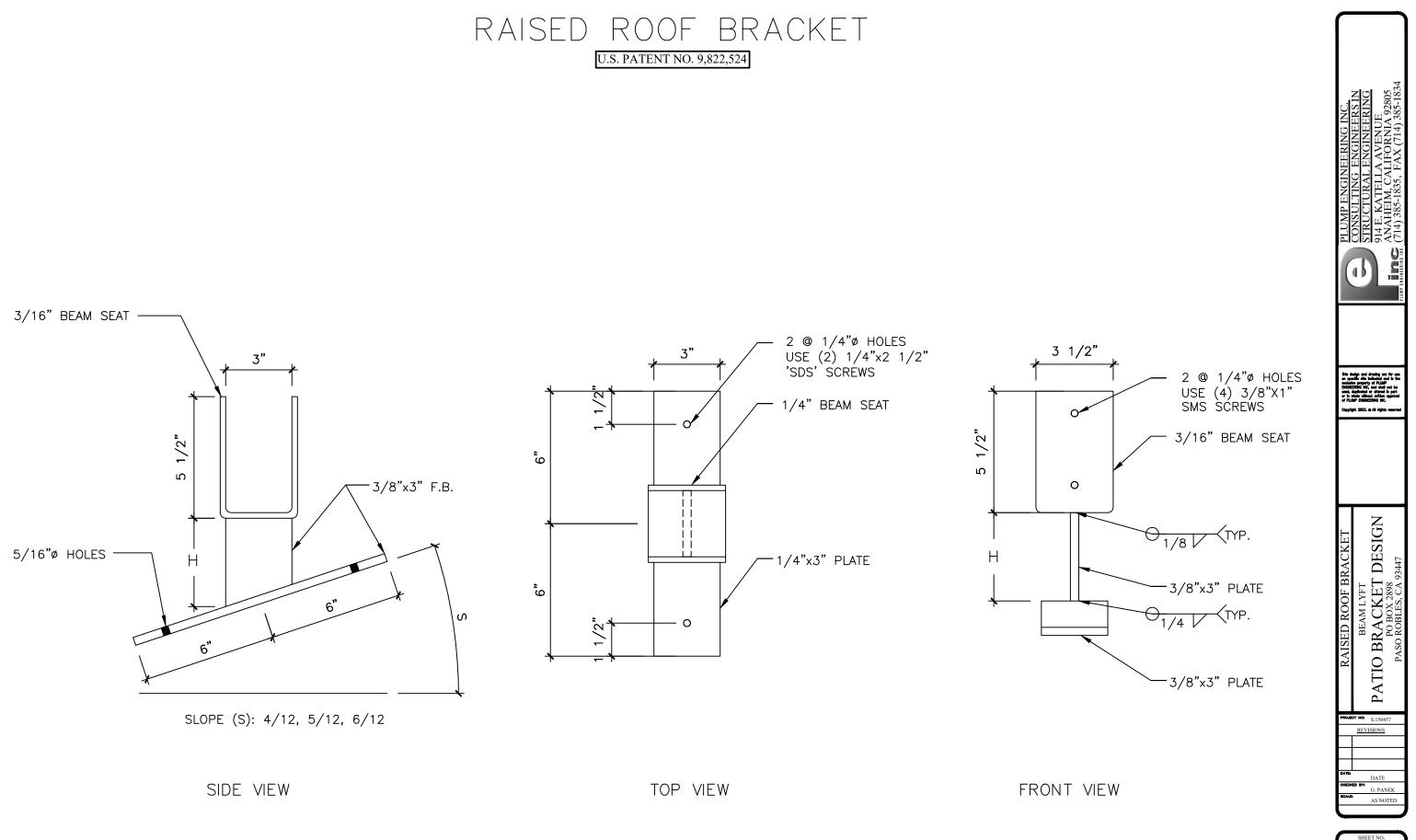
BUILDING	PRODU	JCTS 10	СС-Е	SR	1953
R SIZE. R DETAILS SE.	LA32,	MU10	7&	M3	

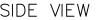
I	BRACKET SPACING
	8'-0"
	8'-0"
	6'-0"
	6'-0"
	4'-0"
	4'-0"
	4'-0"

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<u>S5</u>

