

# Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: 1T07487-Z0331100815

Truss Fabricator: Anderson Truss Company  
Job Identification: 5-372-STANLEY CRAWFORD-BICKNELL

Truss Count: 81

Model Code: Florida Building Code 2004

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Versions 7.24, 7.25.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - 60.0 PSF @ 1.00 Duration

Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 08/31/2006

## Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

-Truss Design Engineer-  
Arthur R. Fisher

Florida License Number: 59687

1950 Marley Drive

Haines City, FL 33844

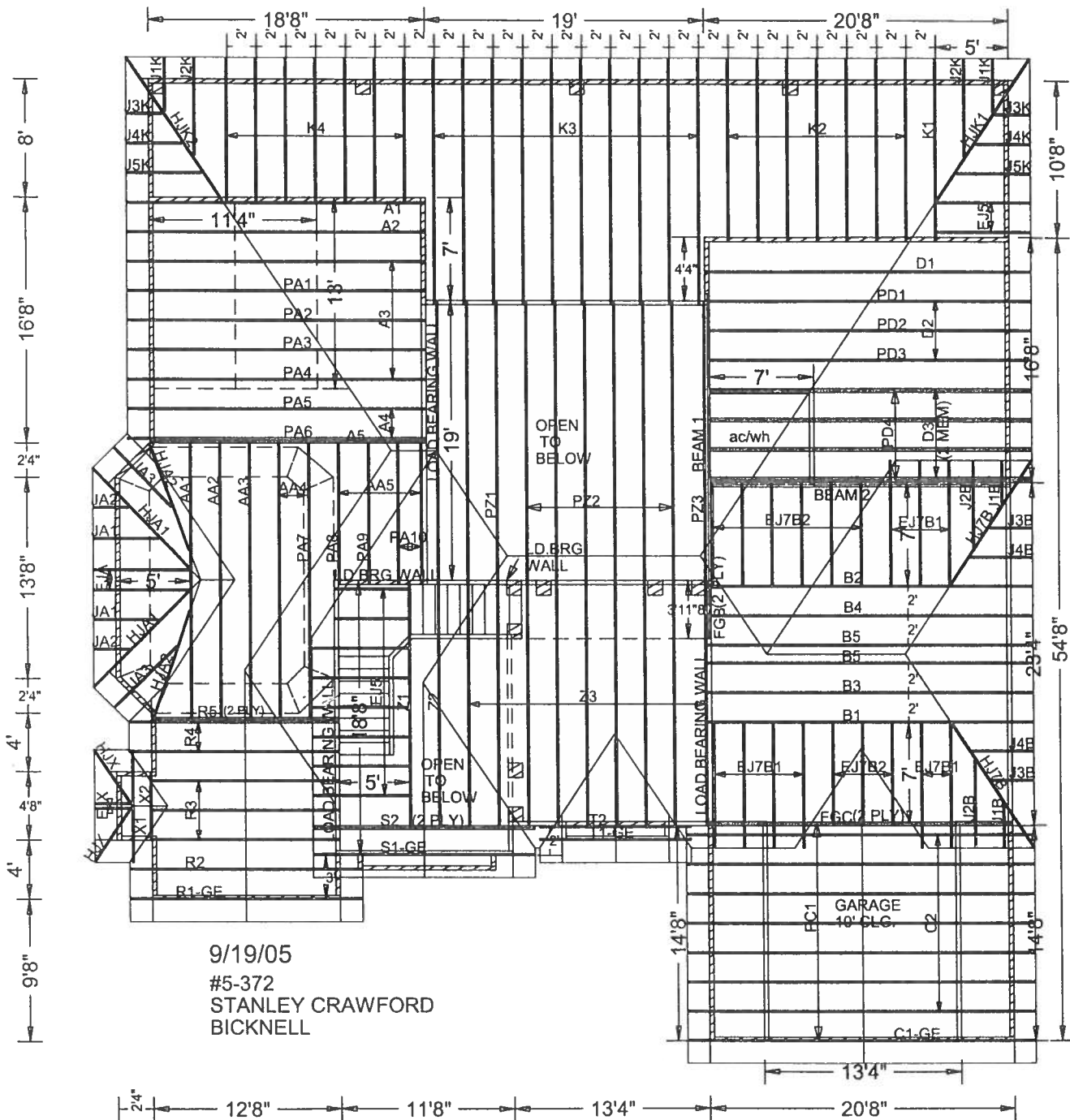
Details: CNBRGBLK-BRCLBSUB-A11030EE-GBLLETIN-MAX DEAD LOAD-PIGBACKA-PIGBACKB-A11015EE-

#	Ref	Description	Drawing#	Date
1	81058--A1		06243155	08/31/06
2	81059--A2		06243156	08/31/06
3	81060--A3		06243157	08/31/06
4	81061--A4		06243169	08/31/06
5	81062--A5		06243170	08/31/06
6	81063--AA1		06243171	08/31/06
7	81064--AA2		06243172	08/31/06
8	81065--AA3		06243173	08/31/06
9	81066--AA4		06243174	08/31/06
10	81067--AA5		06243158	08/31/06
11	81068--B1		06243175	08/31/06
12	81069--B2		06243176	08/31/06
13	81070--B3		06243177	08/31/06
14	81071--B4		06243178	08/31/06
15	81072--B5		06243179	08/31/06
16	81073--FGC		06243180	08/31/06
17	81074--C1-GE		06243181	08/31/06
18	81075--C2		06243182	08/31/06
19	81076--D1		06243183	08/31/06
20	81077--D2		06243184	08/31/06
21	81078--D3		06243185	08/31/06
22	81079--FGB		06243186	08/31/06
23	81080--HJK2		06243187	08/31/06
24	81081--HJA1		06243188	08/31/06
25	81082--HJA2		06243189	08/31/06
26	81083--EJ7B1		06243159	08/31/06
27	81084--EJ7B2		06243160	08/31/06
28	81085--EJA		06243190	08/31/06
29	81086--EJ5		06243161	08/31/06
30	81087--JA1		06243191	08/31/06
31	81088--JA2		06243192	08/31/06
32	81089--JA3		06243193	08/31/06
33	81090--HJ7B		06243194	08/31/06
34	81091--J18		06243195	08/31/06
35	81092--J2B		06243162	08/31/06
36	81093--J3B		06243196	08/31/06
37	81094--J4B		06243163	08/31/06
38	81095--J1K		06243164	08/31/06

#	Ref	Description	Drawing#	Date
39	81096--J2K		06243165	08/31/06
40	81097--J3K		06243197	08/31/06
41	81098--J4K		06243166	08/31/06
42	81099--J5K		06243167	08/31/06
43	81100--HJX		06243198	08/31/06
44	81101--EJX		06243199	08/31/06
45	81102--HJK1		06243200	08/31/06
46	81103--K1		06243201	08/31/06
47	81104--K2		06243202	08/31/06
48	81105--K3		06243203	08/31/06
49	81106--K4		06243204	08/31/06
50	81107--PA1		06243205	08/31/06
51	81108--PA2		06243206	08/31/06
52	81109--PA3		06243207	08/31/06
53	81110--PA4		06243208	08/31/06
54	81111--PA5		06243209	08/31/06
55	81112--PA6		06243210	08/31/06
56	81113--PA7		06243211	08/31/06
57	81114--PA8		06243212	08/31/06
58	81115--PA9		06243213	08/31/06
59	81116--PA10		06243214	08/31/06
60	81117--PC1		06243215	08/31/06
61	81118--PD1		06243216	08/31/06
62	81119--PD2		06243217	08/31/06
63	81120--PD3		06243218	08/31/06
64	81121--PD4		06243219	08/31/06
65	81122--PZ1		06243220	08/31/06
66	81123--PZ2		06243221	08/31/06
67	81124--PZ3		06243222	08/31/06
68	81125--R1-GE		06243223	08/31/06
69	81126--R2		06243168	08/31/06
70	81127--R3		06243224	08/31/06
71	81128--R4		06243225	08/31/06
72	81129--R5		06243226	08/31/06
73	81130--S1-GE		06243227	08/31/06
74	81131--S2		06243228	08/31/06
75	81132--T1-GE		06243229	08/31/06
76	81133--T2		06243230	08/31/06

#	Ref	Description	Drawing#	Date
77	81134--X1		06243231	08/31/06
78	81135--X2		06243232	08/31/06
79	81136--Z1		06243233	08/31/06
80	81137--Z2		06243234	08/31/06
81	81138--Z3		06243235	08/31/06



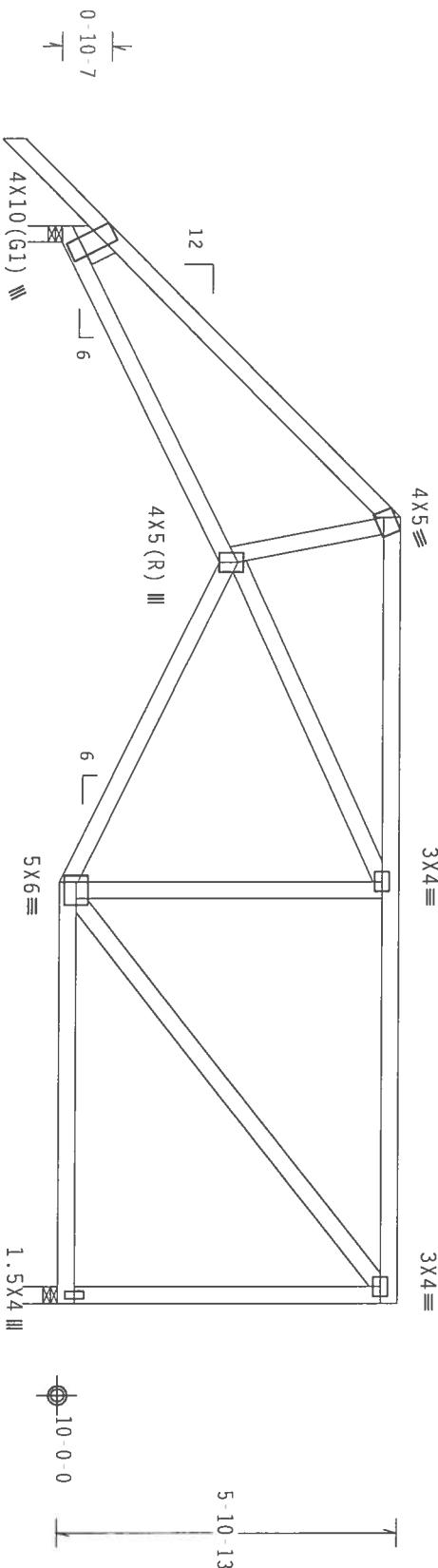


Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:lt Studded Wedge 2x6 SP #2:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.  
Right end vertical not exposed to wind pressure.



5-0-6  
5-9-12  
5-6-4  
13-7-10  
7-4-0  
18-8-0 Over 2 Supports  
R-958 U=180 W=3.5"  
R-828 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTERIOR GRADE OR FLOOR FINISH, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET, 1.00 (INCLUDING COMPONENT SAFETY FACTOR) AND WIND LOADS, TRUSSES SHALL BE INSTALLED TO THE DESIGN LOADS. MAINTENANCE, W/ 53/19) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*IMPORTANT\*** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNER'S RESPONSIBILITY: THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONNECTIONS TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2, 16GA-3, 16GA-4, 16GA-5, 16GA-6, 16GA-7, 16GA-8, 16GA-9, 16GA-10, 16GA-11, 16GA-12, 16GA-13, 16GA-14, 16GA-15, 16GA-16, 16GA-17, 16GA-18, 16GA-19, 16GA-20, 16GA-21, 16GA-22, 16GA-23, 16GA-24, 16GA-25, 16GA-26, 16GA-27, 16GA-28, 16GA-29, 16GA-30, 16GA-31, 16GA-32, 16GA-33, 16GA-34, 16GA-35, 16GA-36, 16GA-37, 16GA-38, 16GA-39, 16GA-40, 16GA-41, 16GA-42, 16GA-43, 16GA-44, 16GA-45, 16GA-46, 16GA-47, 16GA-48, 16GA-49, 16GA-50, 16GA-51, 16GA-52, 16GA-53, 16GA-54, 16GA-55, 16GA-56, 16GA-57, 16GA-58, 16GA-59, 16GA-60, 16GA-61, 16GA-62, 16GA-63, 16GA-64, 16GA-65, 16GA-66, 16GA-67, 16GA-68, 16GA-69, 16GA-70, 16GA-71, 16GA-72, 16GA-73, 16GA-74, 16GA-75, 16GA-76, 16GA-77, 16GA-78, 16GA-79, 16GA-80, 16GA-81, 16GA-82, 16GA-83, 16GA-84, 16GA-85, 16GA-86, 16GA-87, 16GA-88, 16GA-89, 16GA-90, 16GA-91, 16GA-92, 16GA-93, 16GA-94, 16GA-95, 16GA-96, 16GA-97, 16GA-98, 16GA-99, 16GA-100, 16GA-101, 16GA-102, 16GA-103, 16GA-104, 16GA-105, 16GA-106, 16GA-107, 16GA-108, 16GA-109, 16GA-110, 16GA-111, 16GA-112, 16GA-113, 16GA-114, 16GA-115, 16GA-116, 16GA-117, 16GA-118, 16GA-119, 16GA-120, 16GA-121, 16GA-122, 16GA-123, 16GA-124, 16GA-125, 16GA-126, 16GA-127, 16GA-128, 16GA-129, 16GA-130, 16GA-131, 16GA-132, 16GA-133, 16GA-134, 16GA-135, 16GA-136, 16GA-137, 16GA-138, 16GA-139, 16GA-140, 16GA-141, 16GA-142, 16GA-143, 16GA-144, 16GA-145, 16GA-146, 16GA-147, 16GA-148, 16GA-149, 16GA-150, 16GA-151, 16GA-152, 16GA-153, 16GA-154, 16GA-155, 16GA-156, 16GA-157, 16GA-158, 16GA-159, 16GA-160, 16GA-161, 16GA-162, 16GA-163, 16GA-164, 16GA-165, 16GA-166, 16GA-167, 16GA-168, 16GA-169, 16GA-170, 16GA-171, 16GA-172, 16GA-173, 16GA-174, 16GA-175, 16GA-176, 16GA-177, 16GA-178, 16GA-179, 16GA-180, 16GA-181, 16GA-182, 16GA-183, 16GA-184, 16GA-185, 16GA-186, 16GA-187, 16GA-188, 16GA-189, 16GA-190, 16GA-191, 16GA-192, 16GA-193, 16GA-194, 16GA-195, 16GA-196, 16GA-197, 16GA-198, 16GA-199, 16GA-200, 16GA-201, 16GA-202, 16GA-203, 16GA-204, 16GA-205, 16GA-206, 16GA-207, 16GA-208, 16GA-209, 16GA-210, 16GA-211, 16GA-212, 16GA-213, 16GA-214, 16GA-215, 16GA-216, 16GA-217, 16GA-218, 16GA-219, 16GA-220, 16GA-221, 16GA-222, 16GA-223, 16GA-224, 16GA-225, 16GA-226, 16GA-227, 16GA-228, 16GA-229, 16GA-230, 16GA-231, 16GA-232, 16GA-233, 16GA-234, 16GA-235, 16GA-236, 16GA-237, 16GA-238, 16GA-239, 16GA-240, 16GA-241, 16GA-242, 16GA-243, 16GA-244, 16GA-245, 16GA-246, 16GA-247, 16GA-248, 16GA-249, 16GA-250, 16GA-251, 16GA-252, 16GA-253, 16GA-254, 16GA-255, 16GA-256, 16GA-257, 16GA-258, 16GA-259, 16GA-260, 16GA-261, 16GA-262, 16GA-263, 16GA-264, 16GA-265, 16GA-266, 16GA-267, 16GA-268, 16GA-269, 16GA-270, 16GA-271, 16GA-272, 16GA-273, 16GA-274, 16GA-275, 16GA-276, 16GA-277, 16GA-278, 16GA-279, 16GA-280, 16GA-281, 16GA-282, 16GA-283, 16GA-284, 16GA-285, 16GA-286, 16GA-287, 16GA-288, 16GA-289, 16GA-290, 16GA-291, 16GA-292, 16GA-293, 16GA-294, 16GA-295, 16GA-296, 16GA-297, 16GA-298, 16GA-299, 16GA-300, 16GA-301, 16GA-302, 16GA-303, 16GA-304, 16GA-305, 16GA-306, 16GA-307, 16GA-308, 16GA-309, 16GA-310, 16GA-311, 16GA-312, 16GA-313, 16GA-314, 16GA-315, 16GA-316, 16GA-317, 16GA-318, 16GA-319, 16GA-320, 16GA-321, 16GA-322, 16GA-323, 16GA-324, 16GA-325, 16GA-326, 16GA-327, 16GA-328, 16GA-329, 16GA-330, 16GA-331, 16GA-332, 16GA-333, 16GA-334, 16GA-335, 16GA-336, 16GA-337, 16GA-338, 16GA-339, 16GA-340, 16GA-341, 16GA-342, 16GA-343, 16GA-344, 16GA-345, 16GA-346, 16GA-347, 16GA-348, 16GA-349, 16GA-350, 16GA-351, 16GA-352, 16GA-353, 16GA-354, 16GA-355, 16GA-356, 16GA-357, 16GA-358, 16GA-359, 16GA-360, 16GA-361, 16GA-362, 16GA-363, 16GA-364, 16GA-365, 16GA-366, 16GA-367, 16GA-368, 16GA-369, 16GA-370, 16GA-371, 16GA-372, 16GA-373, 16GA-374, 16GA-375, 16GA-376, 16GA-377, 16GA-378, 16GA-379, 16GA-380, 16GA-381, 16GA-382, 16GA-383, 16GA-384, 16GA-385, 16GA-386, 16GA-387, 16GA-388, 16GA-389, 16GA-390, 16GA-391, 16GA-392, 16GA-393, 16GA-394, 16GA-395, 16GA-396, 16GA-397, 16GA-398, 16GA-399, 16GA-400, 16GA-401, 16GA-402, 16GA-403, 16GA-404, 16GA-405, 16GA-406, 16GA-407, 16GA-408, 16GA-409, 16GA-410, 16GA-411, 16GA-412, 16GA-413, 16GA-414, 16GA-415, 16GA-416, 16GA-417, 16GA-418, 16GA-419, 16GA-420, 16GA-421, 16GA-422, 16GA-423, 16GA-424, 16GA-425, 16GA-426, 16GA-427, 16GA-428, 16GA-429, 16GA-430, 16GA-431, 16GA-432, 16GA-433, 16GA-434, 16GA-435, 16GA-436, 16GA-437, 16GA-438, 16GA-439, 16GA-440, 16GA-441, 16GA-442, 16GA-443, 16GA-444, 16GA-445, 16GA-446, 16GA-447, 16GA-448, 16GA-449, 16GA-450, 16GA-451, 16GA-452, 16GA-453, 16GA-454, 16GA-455, 16GA-456, 16GA-457, 16GA-458, 16GA-459, 16GA-460, 16GA-461, 16GA-462, 16GA-463, 16GA-464, 16GA-465, 16GA-466, 16GA-467, 16GA-468, 16GA-469, 16GA-470, 16GA-471, 16GA-472, 16GA-473, 16GA-474, 16GA-475, 16GA-476, 16GA-477, 16GA-478, 16GA-479, 16GA-480, 16GA-481, 16GA-482, 16GA-483, 16GA-484, 16GA-485, 16GA-486, 16GA-487, 16GA-488, 16GA-489, 16GA-490, 16GA-491, 16GA-492, 16GA-493, 16GA-494, 16GA-495, 16GA-496, 16GA-497, 16GA-498, 16GA-499, 16GA-500, 16GA-501, 16GA-502, 16GA-503, 16GA-504, 16GA-505, 16GA-506, 16GA-507, 16GA-508, 16GA-509, 16GA-510, 16GA-511, 16GA-512, 16GA-513, 16GA-514, 16GA-515, 16GA-516, 16GA-517, 16GA-518, 16GA-519, 16GA-520, 16GA-521, 16GA-522, 16GA-523, 16GA-524, 16GA-525, 16GA-526, 16GA-527, 16GA-528, 16GA-529, 16GA-530, 16GA-531, 16GA-532, 16GA-533, 16GA-534, 16GA-535, 16GA-536, 16GA-537, 16GA-538, 16GA-539, 16GA-540, 16GA-541, 16GA-542, 16GA-543, 16GA-544, 16GA-545, 16GA-546, 16GA-547, 16GA-548, 16GA-549, 16GA-550, 16GA-551, 16GA-552, 16GA-553, 16GA-554, 16GA-555, 16GA-556, 16GA-557, 16GA-558, 16GA-559, 16GA-560, 16GA-561, 16GA-562, 16GA-563, 16GA-564, 16GA-565, 16GA-566, 16GA-567, 16GA-568, 16GA-569, 16GA-570, 16GA-571, 16GA-572, 16GA-573, 16GA-574, 16GA-575, 16GA-576, 16GA-577, 16GA-578, 16GA-579, 16GA-580, 16GA-581, 16GA-582, 16GA-583, 16GA-584, 16GA-585, 16GA-586, 16GA-587, 16GA-588, 16GA-589, 16GA-590, 16GA-591, 16GA-592, 16GA-593, 16GA-594, 16GA-595, 16GA-596, 16GA-597, 16GA-598, 16GA-599, 16GA-600, 16GA-601, 16GA-602, 16GA-603, 16GA-604, 16GA-605, 16GA-606, 16GA-607, 16GA-608, 16GA-609, 16GA-610, 16GA-611, 16GA-612, 16GA-613, 16GA-614, 16GA-615, 16GA-616, 16GA-617, 16GA-618, 16GA-619, 16GA-620, 16GA-621, 16GA-622, 16GA-623, 16GA-624, 16GA-625, 16GA-626, 16GA-627, 16GA-628, 16GA-629, 16GA-630, 16GA-631, 16GA-632, 16GA-633, 16GA-634, 16GA-635, 16GA-636, 16GA-637, 16GA-638, 16GA-639, 16GA-640, 16GA-641, 16GA-642, 16GA-643, 16GA-644, 16GA-645, 16GA-646, 16GA-647, 16GA-648, 16GA-649, 16GA-650, 16GA-651, 16GA-652, 16GA-653, 16GA-654, 16GA-655, 16GA-656, 16GA-657, 16GA-658, 16GA-659, 16GA-660, 16GA-661, 16GA-662, 16GA-663, 16GA-664, 16GA-665, 16GA-666, 16GA-667, 16GA-668, 16GA-669, 16GA-670, 16GA-671, 16GA-672, 16GA-673, 16GA-674, 16GA-675, 16GA-676, 16GA-677, 16GA-678, 16GA-679, 16GA-680, 16GA-681, 16GA-682, 16GA-683, 16GA-684, 16GA-685, 16GA-686, 16GA-687, 16GA-688, 16GA-689, 16GA-690, 16GA-691, 16GA-692, 16GA-693, 16GA-694, 16GA-695, 16GA-696, 16GA-697, 16GA-698, 16GA-699, 16GA-700, 16GA-701, 16GA-702, 16GA-703, 16GA-704, 16GA-705, 16GA-706, 16GA-707, 16GA-708, 16GA-709, 16GA-710, 16GA-711, 16GA-712, 16GA-713, 16GA-714, 16GA-715, 16GA-716, 16GA-717, 16GA-718, 16GA-719, 16GA-720, 16GA-721, 16GA-722, 16GA-723, 16GA-724, 16GA-725, 16GA-726, 16GA-727, 16GA-728, 16GA-729, 16GA-730, 16GA-731, 16GA-732, 16GA-733, 16GA-734, 16GA-735, 16GA-736, 16GA-737, 16GA-738, 16GA-739, 16GA-740, 16GA-741, 16GA-742, 16GA-743, 16GA-744, 16GA-745, 16GA-746, 16GA-747, 16GA-748, 16GA-749, 16GA-750, 16GA-751, 16GA-752, 16GA-753, 16GA-754, 16GA-755, 16GA-756, 16GA-757, 16GA-758, 16GA-759, 16GA-760, 16GA-761, 16GA-762, 16GA-763, 16GA-764, 16GA-765, 16GA-766, 16GA-767, 16GA-768, 16GA-769, 16GA-770, 16GA-771, 16GA-772, 16GA-773, 16GA-774, 16GA-775, 16GA-776, 16GA-777, 16GA-778, 16GA-779, 16GA-780, 16GA-781, 16GA-782, 16GA-783, 16GA-784, 16GA-785, 16GA-786, 16GA-787, 16GA-788, 16GA-789, 16GA-790, 16GA-791, 16GA-792, 16GA-793, 16GA-794, 16GA-795, 16GA-796, 16GA-797, 16GA-798, 16GA-799, 16GA-800, 16GA-801, 16GA-802, 16GA-803, 16GA-804, 16GA-805, 16GA-806, 16GA-807, 16GA-808, 16GA-809, 16GA-810, 16GA-811, 16GA-812, 16GA-813, 16GA-814, 16GA-815, 16GA-816, 16GA-817, 16GA-818, 16GA-819, 16GA-820, 16GA-821, 16GA-822, 16GA-823, 16GA-824, 16GA-825, 16GA-826, 16GA-827, 16GA-828, 16GA-829, 16GA-830, 16GA-831, 16GA-832, 16GA-833, 16GA-834, 16GA-835, 16GA-836, 16GA-837, 16GA-838, 16GA-839, 16GA-840, 16GA-841, 16GA-842, 16GA-843, 16GA-844, 16GA-845, 16GA-846, 16GA-847, 16GA-848, 16GA-849, 16GA-850, 16GA-851, 16GA-852, 16GA-853, 16GA-854, 16GA-855, 16GA-856, 16GA-857, 16GA-858, 16GA-859, 16GA-860, 16GA-861, 16GA-862, 16GA-863, 16GA-864, 16GA-865, 16GA-866, 16GA-867, 16GA-868, 16GA-869, 16GA-870, 16GA-871, 16GA-872, 16GA-873, 16GA-874, 16GA-875, 16GA-876, 16GA-877, 16GA-878, 16GA-879, 16GA-880, 16GA-881, 16GA-882, 16GA-883, 16GA-884, 16GA-885, 16GA-886, 16GA-887, 16GA-888, 16GA-889, 16GA-890, 16GA-891, 16GA-892, 16GA-893, 16GA-894, 16GA-895, 16GA-896, 16GA-897, 16GA-898, 16GA-899, 16GA-900, 16GA-901, 16GA-902, 16GA-903, 16GA-904, 16GA-905, 16GA-906, 16GA-907, 16GA-908, 16GA-909, 16GA-910, 16GA-911, 16GA-912, 16GA-913, 16GA-914, 16GA-915, 16GA-916, 16GA-917, 16GA-918, 16GA-919, 16GA-920, 16GA-921, 16GA-922, 16GA-923, 16GA-924, 16GA-925, 16GA-926, 16GA-927, 16GA-928, 16GA-929, 16GA-930, 16GA-931, 16GA-932, 16GA-933, 16GA-934, 16GA-935, 16GA-936, 16GA-937, 16GA-938, 16GA-939, 16GA-940, 16GA-941, 16GA-942, 16GA-943, 16GA-944, 16GA-945, 16GA-946, 16GA-947, 16GA-948, 16GA-949, 16GA-950, 16GA-951, 16GA-952, 16GA-953, 16GA-954, 16GA-955, 16GA-956, 16GA-957, 16GA-958, 16GA-959, 16GA-960, 16GA-961, 16GA-962, 16GA-963, 16GA-964, 16GA-965, 16GA-966, 16GA-967, 16GA-968, 16GA-969, 16GA-970, 16GA-971, 16GA-972, 16GA-973, 16GA-974, 16GA-975, 16GA-976, 16GA-977, 16GA-978, 16GA-979, 16GA-980, 16GA-981, 16GA-982, 16GA-983, 16GA-984, 16GA-985, 16GA-986, 16GA-987, 16GA-988, 16GA-989, 16GA-990, 16GA-991, 16GA-992, 16GA-993, 16GA-994, 16GA-995, 16GA-996, 16GA-997, 16GA-998, 16GA-999, 16GA-1000, 16GA-1001, 16GA-1002, 16GA-1003, 16GA-1004, 16GA-1005, 16GA-1006, 16GA-1007, 16GA-1008, 16GA-1009, 16GA-1010, 16GA-1011, 16GA-1012, 16GA-1013, 16GA-1014, 16GA-1015, 16GA-1016, 16GA-1017, 16GA-1018, 16GA-1019, 16GA-1020, 16GA-1021, 16GA-1022, 16GA-1023, 16GA-1024, 16GA-1025, 16GA-1026, 16GA-1027, 16GA-1028, 16GA-1029, 16GA-1030, 16GA-1031, 16GA-1032, 16GA-1033, 16GA-1034, 16GA-1035, 16GA-1036, 16GA-1037, 16GA-1038, 16GA-1039, 16GA-1040, 16GA-1041, 16GA-1042, 16GA-1043, 16GA-1044, 16GA-1045, 16GA-1046, 16GA-1047, 16GA-1048, 16GA-1049, 16GA-1050, 16GA-1051, 16GA-1052, 16GA-1053, 16GA-1054, 16GA-1055, 16GA-1056, 16GA-1057, 16GA-1058, 16GA-1059, 16GA-1060, 16GA-1061, 16GA-1062, 16GA-1063, 16GA-1064, 16GA-1065, 16GA-1066, 16GA-1067, 16GA-1068, 16GA-1069, 16GA-1070, 16GA-1071, 16GA-1072, 16GA-1073, 16GA-1074, 16GA-1075, 16GA-1076, 16GA-1077, 16GA-1078, 16GA-1079, 16GA-1080, 16GA-1081, 16GA-1082, 16GA-1083, 16GA-1084, 16GA-1085, 16GA-1086, 16GA-1087, 16GA-1088, 16GA-1089, 16GA-1090, 16GA-1091, 16GA-1092, 16GA-1093, 16GA-1094, 16GA-1095, 16GA-1096, 16GA-1097, 16GA-1098, 16GA-1099, 16GA-1100, 16GA-1101, 16GA-1102, 16GA-1103, 16GA-1104, 16GA-1105, 16GA-1106, 16GA-1107, 16GA-1108, 16GA-1109, 16GA-1110, 16GA-1111, 16GA-1112, 16GA-1113, 16GA-1114, 16GA-1115, 16GA-1116, 16GA-1117, 16GA-1118, 16GA-1119, 16GA-1120, 16GA-1121, 16GA-1122, 16GA-1123, 16GA-1124, 16GA-1125, 16GA-1126, 16GA-1127, 16GA-1128, 16GA-1129, 16GA-1130, 16GA-1131, 16GA-1132, 16GA-1133, 16GA-1134, 16GA-1135, 16GA-1136, 16GA-1137, 16GA-1138, 16GA-1139, 16GA-1140, 16GA-1141, 16GA-1142, 16GA-1143, 16GA-1144, 16GA-1145, 16GA-1146, 16GA-1147, 16GA-1148, 16GA-1149, 16GA-1150, 16GA-1151, 16GA-1152, 16GA-1153, 16GA-1154, 16GA-1155, 16GA-1156, 16GA-1157, 16GA-1158, 16GA-1159, 16GA-1160, 16GA-1161, 16GA-1162, 16GA-1163, 16GA-1164, 16GA-1165, 16GA-1166, 16GA-1167, 16GA-1168, 16GA-1169, 16GA-1170, 16GA-1171, 16GA-1172, 16GA-1173, 16GA-1174, 16GA-1175, 16GA-1176, 16GA-1177, 16GA-1178, 16GA-1179, 16GA-1180, 16GA-1181, 16GA-1182, 16GA-1183, 16GA-1184, 16GA-1185, 16GA-1186, 16GA-1187, 16GA-1188, 16GA-1189, 16GA-1190, 16GA-1191, 16GA-1192, 16GA-1193, 16GA-1194, 16GA-1195, 16GA-1196, 16GA-1197, 16GA-1198, 16GA-1199, 16GA-1200, 16GA-1201, 16GA-1202, 16GA-1203, 16GA-1204, 16GA-1205, 16GA-1206, 16GA-1207, 16GA-1208, 16GA-1209, 16GA-1210, 16GA-1211, 16GA-1212, 16GA-1213, 16GA-1214, 16GA-1215, 16GA-1216, 16GA-1217, 16GA-1218, 16GA-1219, 16GA-1220, 16GA-1221, 16GA-1222, 16GA-1223, 16GA-1224, 16GA-1225, 16GA-1226, 16GA-1227, 16GA-1228, 16GA-1229, 16GA-12



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

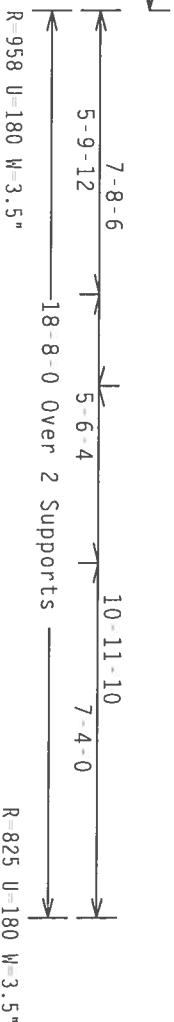
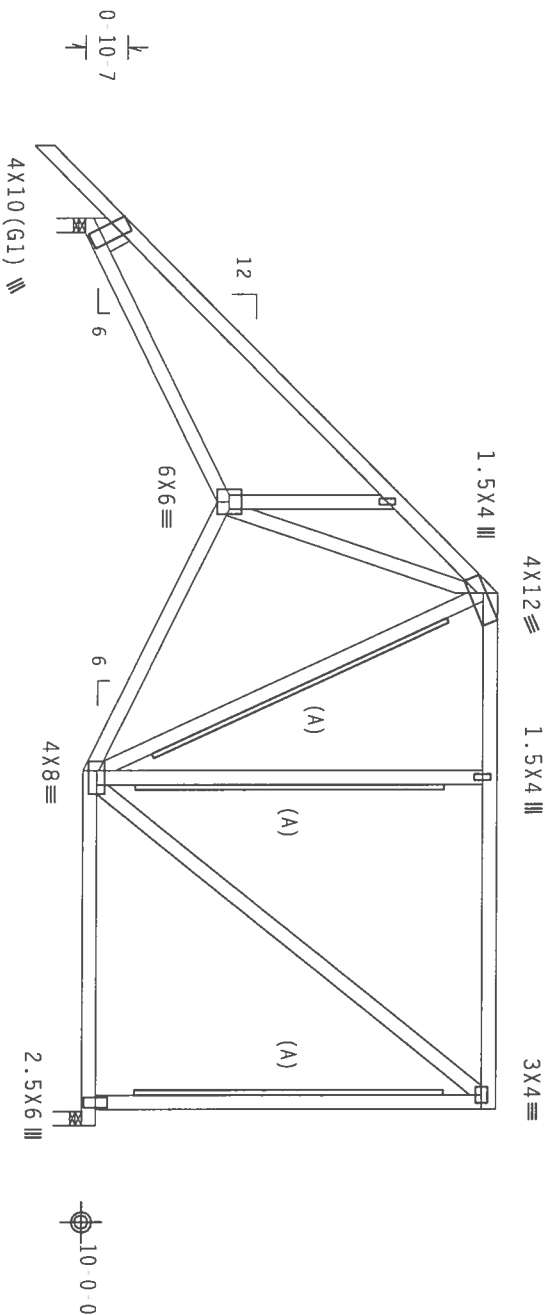
1x Stubbed Wedge 2x6 SP #2:

(A) 1x4 SP #3 or better "I" brace. 80% length of web member.  
Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC  
DL=5.0 psf, Wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET IN AN UNBUILT COMPONENT SAFETY INFORMATION TRUSS CONSTRUCTION, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

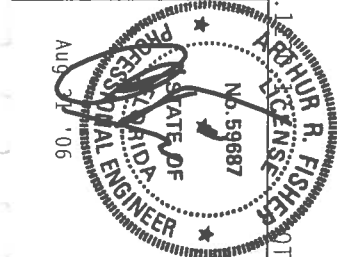
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI-2002. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z.

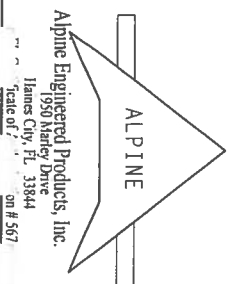
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI-2002. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.



TC LL	20.0 PSF	REF	R487--	81060
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243157
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN	36045	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF	1707487	203



Alpine Engineered Products, Inc.  
1950 Marley Drive  
James City, FL 33844  
on #567

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:lt Studded Wedge 2x8 SP SS:

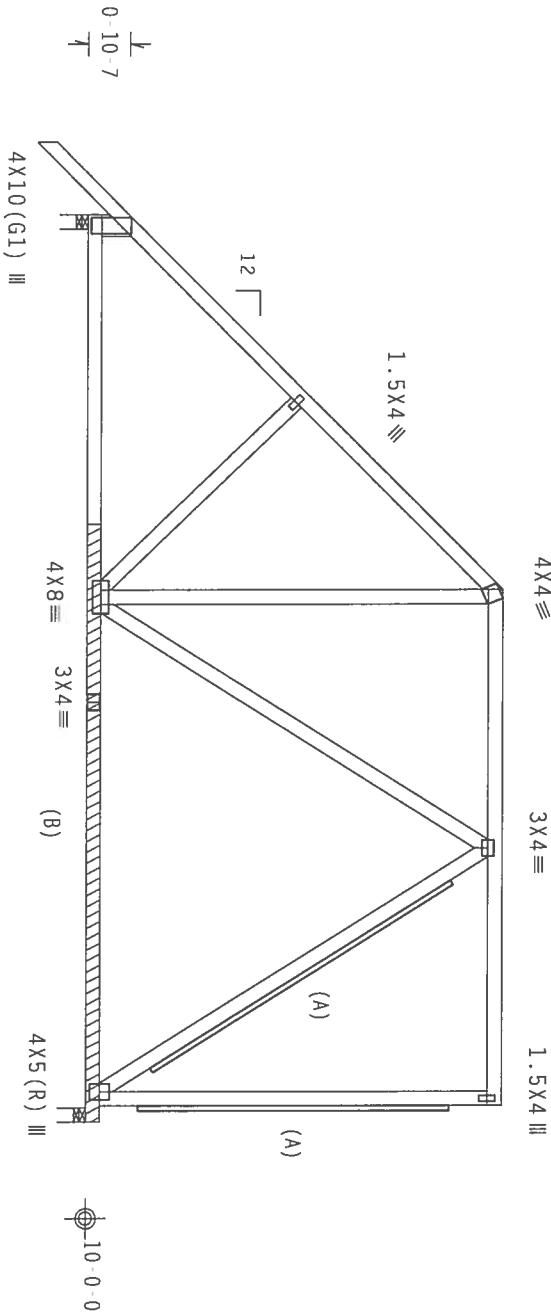
(A) 1x4 SP #3 or better "T" brace. 80% length of web member.  
Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

- (B) (2) 2x4x12 3-14 SP #2 Dense scabs at right end. Attach one scab  
to each outer face of chord with:  
12d Box or Gun (0.128"x3.25", min.) nails @ 8" OC, plus  
additional nail clusters at: BRG.: (3), heel: (3), 1st panel  
point: (0).

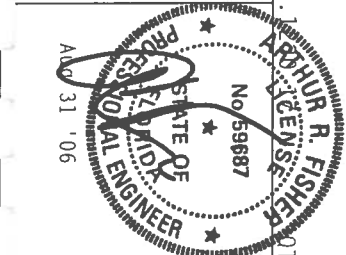
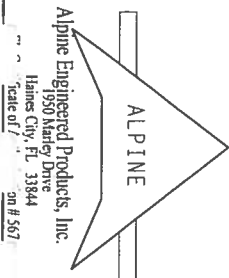


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSSES, LLC. (WWW.TPI-TRUSSES.COM) OR, SUITE 200, MADISON, WI 53719) AND WEA (WOOD TRUSS CONSTRUCTION OF AMERICA, GOOD PRACTICES FOR TRUSS CONSTRUCTION, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 43 OF TPI 2002 SEC.3.3. A SEAL ON THIS DRAWING INDICATES THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI SEC. 2.

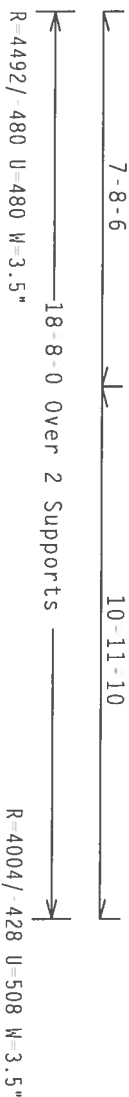


TC LL	20.0 PSF	REF R487--	81061
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW HCUSR487	06243169
BC LL	0.0 PSF	HC-ENG JB/AF	
TOT.LD.	40.0 PSF	SEON-	36048
DUR.FAC.	1.25	FROM JP	
SPACING	24.0"	JRFF-1107487	203

## SPECIAL LOADS

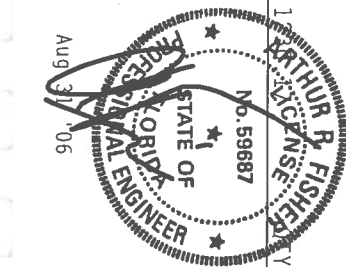
Wind reactions based on MWFRS pressures.

Bearing blocks: Nail type: 12d Box or Gun (0.128"x2.25".min.)-nails  
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALT PLATE  
 1 0.000' 1 12" Match Truss  
 2 18.375' 1 12" Match Truss  
 Bearing block to be same size and species as bottom chord.  
 Refer to drawing CMBRBLK1103 for additional information.  
 Negative reaction(s) of -479# MAX. (See below) from a non-wind load  
 case requires uplift connection.  
 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
 anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
 psf.  
 (A) 1x4 SP #3 or better "T" brace, 80% length of web member. Attach  
 with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.  
 (C) 2x8 SP #3 or better "T" brace, 80% length of web member. Attach  
 with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

 $Cq/RT=1.00(1.25)/10(0)$ 

**\*\* IMPORTANT \*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

CI Certificate of Acknowledgment on # 567



FL/-4/-/R/-		Scale = .25"/Ft.
TC LL	20.0 PSF	REF R487 - 81062
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243170
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON 125757
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRF - 1T07AR7 Z03

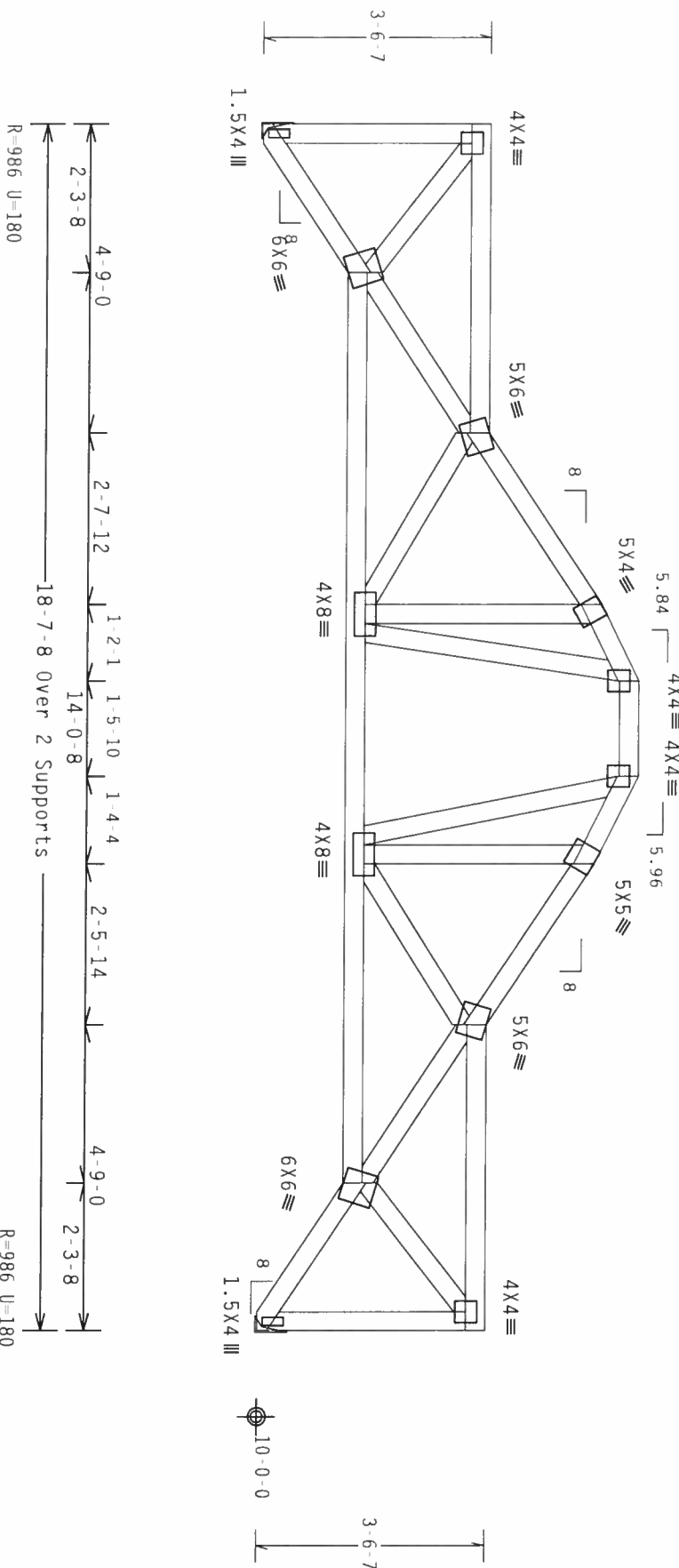


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

7.24.1

Scale = .375"/Ft.

[illegible]

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

TRUSS IN CONFORMANCE WITH IPI: OR FABRICATING, HANDLING, SHIPPING, INST


CONDUCTOR PLATES ARE MADE OF 20/18/16GA (H-H/5/K) ASIM AG53 GRADE 40/60 (H K/H S) GALV

PLATES TO EACH PAGE OF CROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z  
ANY INSPECTION OF PLATE FOLLOWING OR 474 SHALL BE MADE IN ACCORDANCE WITH THE FOLLOWING:

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

**BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2**

100



**Alpine Engineered Products, Inc.**  
 1950 Malety Drive  
 Ft. Lauderdale, FL 33304  
 Tel: (305) 466-1100  
 Telex: 565000  
 Cable: ALPINE

Aug 31 '06

TC LL	20.0 PSF	REF	R487 -	81063
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243171
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	125760	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF-	1T07487	Z03





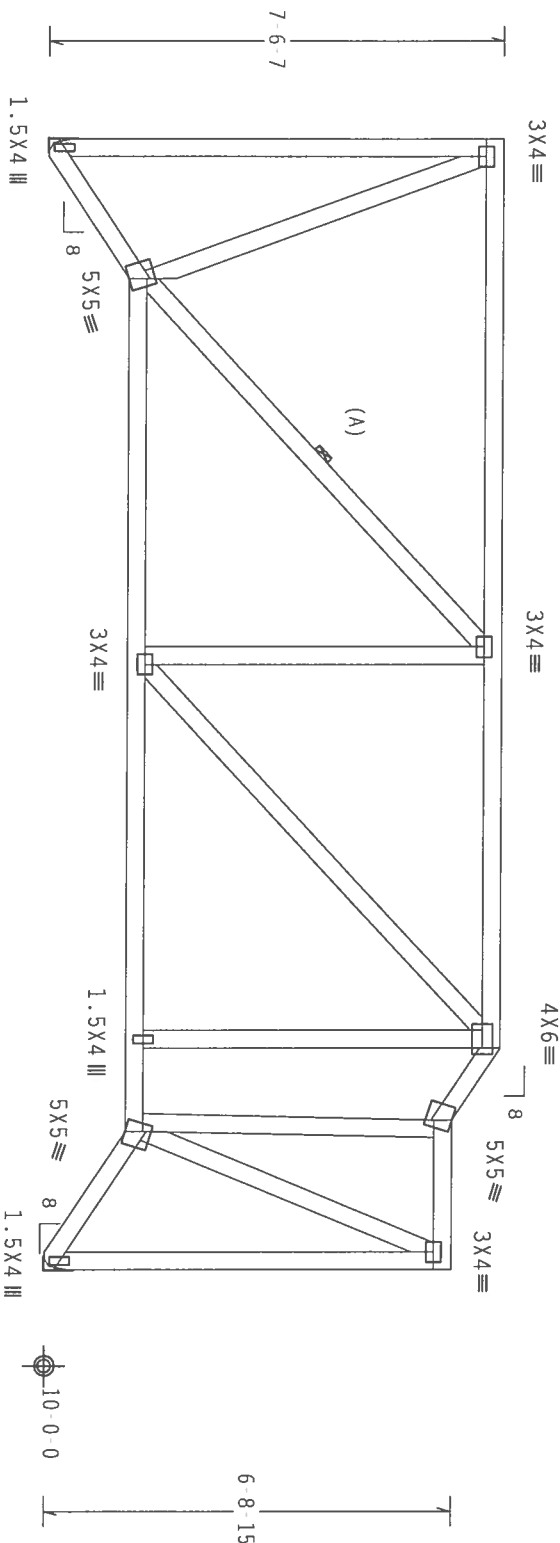
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.  
Provide for complete drainage of roof.

110 mph wind, 17.14 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

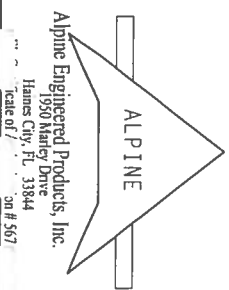
TY:1 FL/-/4/-/R/-

Scale = .3125"/ft.

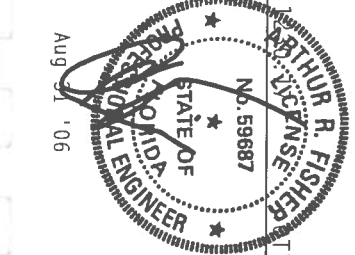
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTERIOR GUTTER, DRAINAGE, SHUTTERING, INSTALLING AND BRACING. AFTER TO BESET, DO NOT REMOVE COMPONENTS. THESE SHOULD BE TYP. TRUSS PLATE INSTALLATION. 383 DRAINAGE DR., SUITE 200, HANES, MI 48210 AND HANES, MI 48210. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/10/16GA (M/H/ST) ASTM A653 GRADE 40/60 (Q, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEC AS OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Hanes City, FL 33844  
Phone #567



TC LL	20.0 PSF	REF	R487-- 81065
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243173
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	125766
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF	1107/AR7 203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

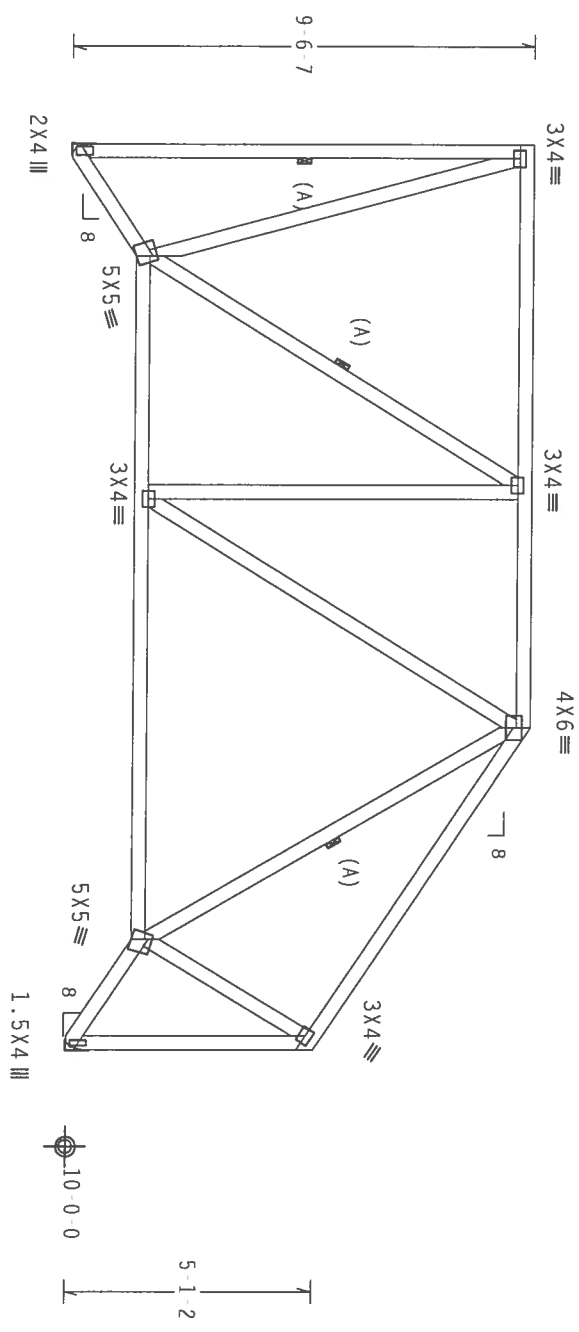
Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 17.32 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-3-8 11-1-8 14-0-8 6-8-0 2-3-8  
18-7-8 Over 2 Supports  
R=792 U=180

PLT TYP. Wave

Design Crtt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24

ARTHUR R. ASHER  
REGISTERED PROFESSIONAL ENGINEER  
No. 5968

TY: 2 FL/-/4/-/-/R/-

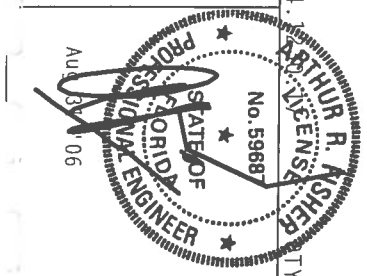
Scale = .25"/ft.



Alpine Engineered Products, Inc.  
1950 Nancy Drive  
Haines City, FL 33844  
m # 567

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO ACES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSES, 10000 DORR DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR CONNECTING WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS CHORDS. TRUSSES MUST BE INSTALLED AS SHOWN. POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) TRUSSES MUST BE INSTALLED AS SHOWN. POSITION PER DRAWINGS 1604-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SCALE OF THIS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



TC LL	20.0 PSF	REF R487 - 81066
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243174
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 125769
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	URFF- 1T07A87 203

110 mph wind, 19.54 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

(A) Continuous lateral bracing equally spaced on member.


Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

factor for dead load is 1.50.



Scale = .25" / Ft.

**\*\* IMPORTANT \*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

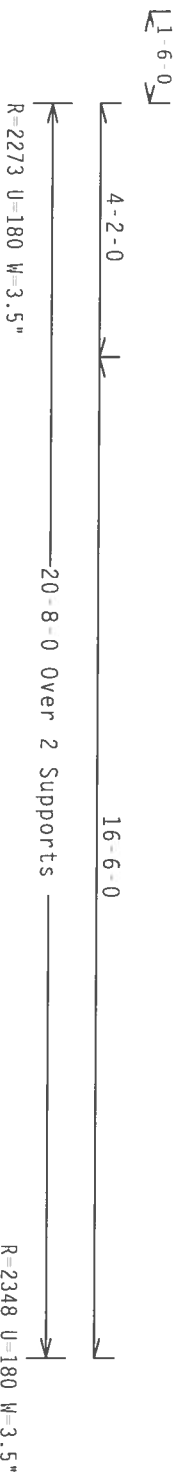
A circular professional engineer seal for Arthur J. Fisher, State of Florida, No. 59687. The seal features the text "ARTHUR J. FISHER", "FLORIDA", "STATE OF", "PROFESSIONAL ENGINEER", and "No. 59687". There are two stars on the seal. The seal is stamped over the bottom right portion of the document.

Names City, FL 33844  
 Scale of, on # 567

110 mph wind, 21.54 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC  $D_L=5.0$  psf, wind BC  $D_L=5.0$  psf.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Scat10 = 3125"/E+

James City, IL 55844  
Scale of / on # 567

\*WARNING\* BRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BEG TO DO (BUILDING COMPONENTS) INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 5803  
O'DONN RD., SUITE 200, HANCOCK, MI 57139 AND (800) TRUSS CONNECT, OF AMERICA, 6300 ENTERPRISE, L  
HANCOCK, MI 57139 FOR SAFETY PRACTICES PERTAIN TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED  
TOD CORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND THOSE CORDS SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

**\*\*\*\*\*WARNING\*\*\*\*\***  
**TRUSSES REQUIRE EXTREME CARE IN FABRICATION**  
 HANDING      CUTTING      INSTALLING AND DOOLING  
 $lq/R = 1.00(1.25)/10(0) = 7.$

2273 U=180 W=3.5"

1.5X4 III      4X8 III      4X4 III


 Türkiye Cumhuriyeti Millî Eğitim Bakanlığı

$$\begin{array}{l} 6X8 \equiv \\ 2X1 \equiv \\ 4X4 \equiv \end{array}$$

Right

1000

anywh

SICKNET - B1)

TC LL	20.0 PSF	Scale = .3125"/Ft.
TC DL	10.0 PSF	
BC DL	10.0 PSF	
DRW	H05R487 06243175	

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Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 21.54 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

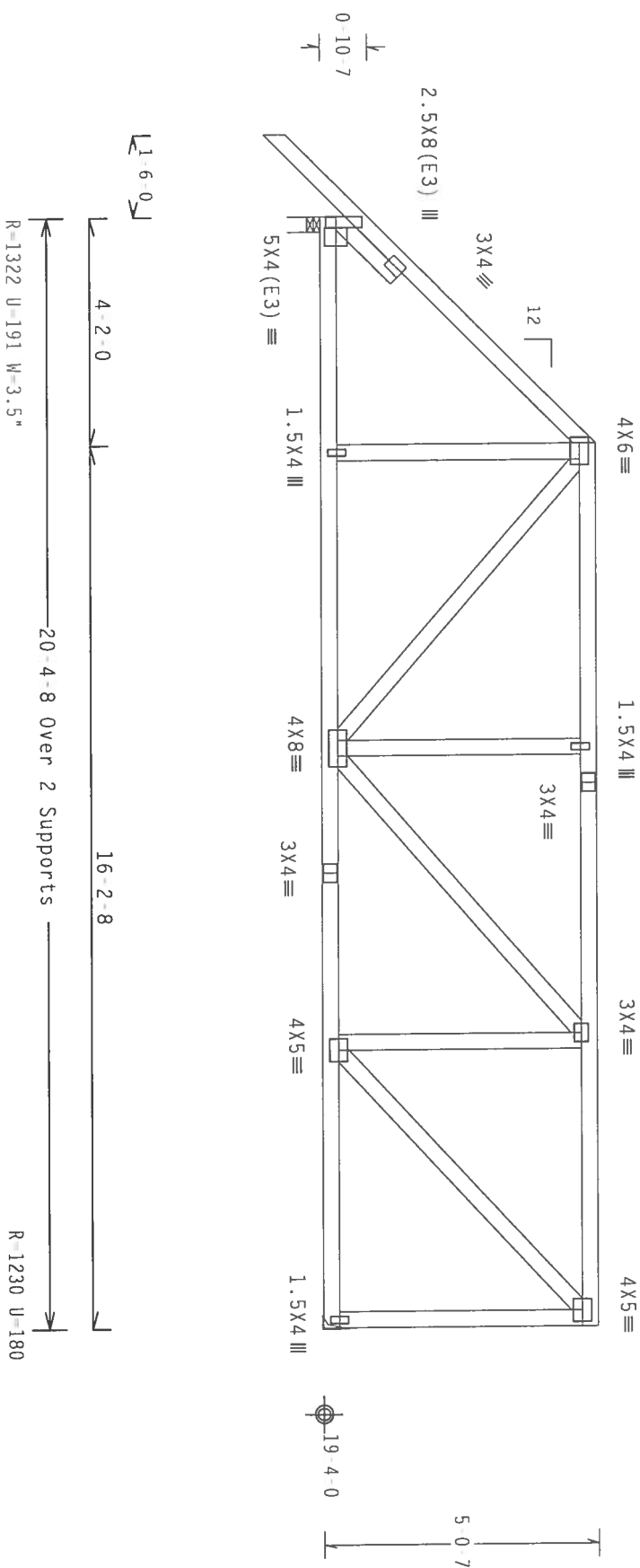
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:lt slider 2x4 sp"#3: BLOCK LENGTH = 1.591"
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Wind reactions based on MWFRS pressures.

#1 hip supports 4-2-0 jacks with no webs.

Right end vertical not exposed to wind pressure.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

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FL/4/-/R/-

Scale = .3125"/Ft.

**WARNING:** THESE REQUIRE EXISTENCE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SECTION 10.0 (LOADING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE THOMSON INSTITUTION, 5830 DUNDAS RD. E., SUITE 200, MISSISSAUGA, ON L4X 1L3, CANADA (416) 291-1111, AND THE CANADIAN STANDARDS COUNCIL OF AMERICA, 5400 ENTERPRISE DRIVE, SUITE 100, ANN ARBOR, MI 48106, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE OTHERWISE INDICATED LOADS FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACING SYSTEM.

**\*\* IMPORTANT \*\***FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

ALPINE

Alpine Engineered Products, Inc.

James City, FL 33844  
 icate of, on # 567

Aug 61 '06

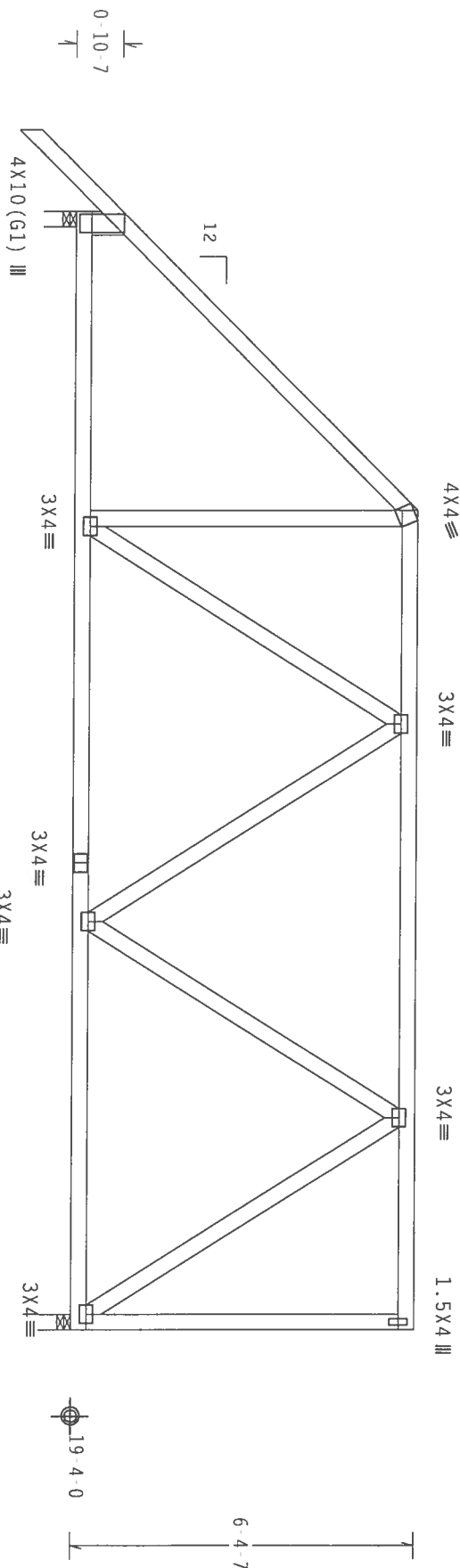
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TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243176
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	125783
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF -	1T074A7 203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Stubby Wedge 2x8 SP SS:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.20 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.  
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.12

STY:1

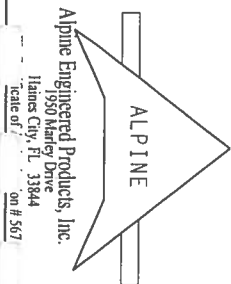
FL/-/4/-/R/-

Scale = .3125"/ft.

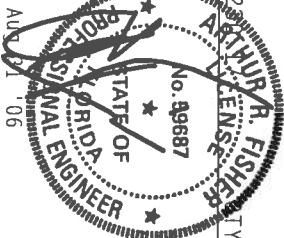
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. 1.03 (BUILDING COMPONENT SAFETY INFORMATION), BUILDING AND TRUSS COUNCIL OF AMERICA, 6100 EXETER BLVD., SUITE 200, HADISON, NJ 07610, AND AISC (AISC) AND AISC (AISC) TRUSS COUNCIL OF AMERICA, 6100 EXETER BLVD., SUITE 200, HADISON, NJ 07610, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. CONNECTIONS WITH APPLICABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC. BY AISC) AND TPI: ALPINE TRUSSES SHALL BE MADE OF 20/10/10GA (W/H/S/S) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY ANCHORS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL TRUSSES SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE DESIGN. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF THIS DESIGN. THE ACCEPTANCE OF THIS DESIGN IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
on #567



TC LL	20.0 PSF	REF	R487--	81070
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCSR487	06243177
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON-	36036	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF-	1107487	203



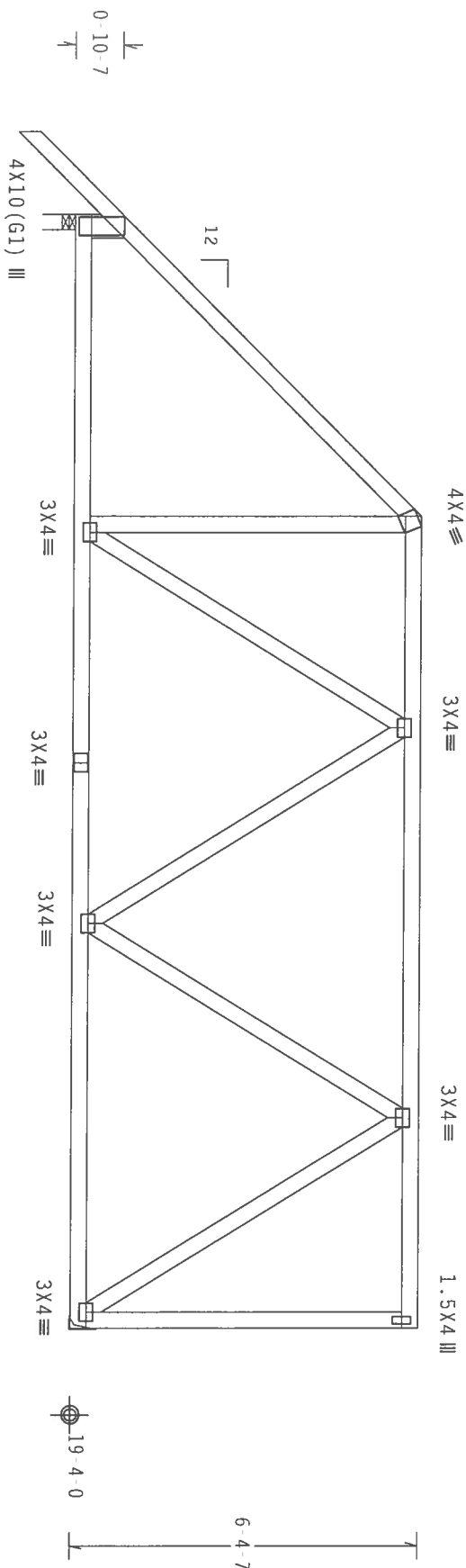
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Stubby Wedge 2x8 SP SS:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 22.20 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.



5-6-0  
14-10-8  
20-4-8 Over 2 Supports  
R-1014 U=180 W=3.5"  
R-895 U=202

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24 1

TY:1

FL/-/4/-/R/-

Scale = .3125"/ft.

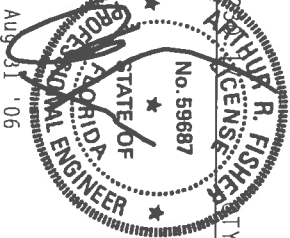
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS ASSOCIATION, 6700 ENTERPRISE DR., SUITE 200, MADISON, WI 53719 AND WITH (WOOD TRUSS COUNCIL OF AMERICA) 6700 ENTERPRISE DR., SUITE 200, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 70/30/1000 (W, H, S) ASTM A653 GRADE 40/60 (W, H, S) GALV. STEEL. APPLY ANY CONNECTION OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY CONNECTION OF TRUSSES SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL DESIGN RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

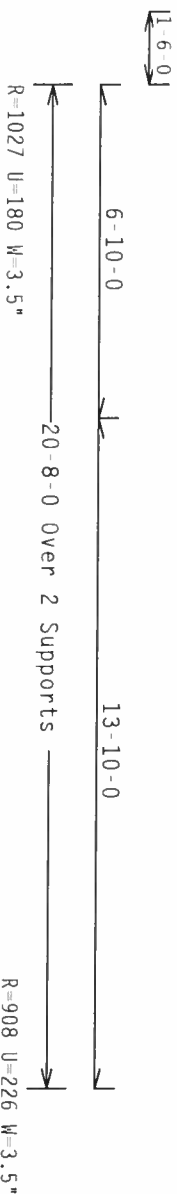
Alpine Engineered Products, Inc.  
1950 Manley Drive  
Haines City, FL 33844  
Tel: 888-444-4444 ext. 567



TC LL	20.0 PSF	REF	R487 - 81071
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243178
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEON	125786
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	DRFF	1707487 203

110 mph wind, 22.87 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, Cat II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.  
Right end vertical not exposed to wind pressure

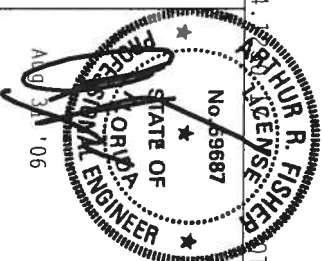


Scale = .25"/Ft.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR PRODUCTS WILL NOT BE RESPONSIBLE FOR ANY DAMAGE FROM THIS DESIGN.

Alpine Engineered Products, Inc.

Scale of / 20 # 567



TC LL	20.0 PSF	REF	R487 - 81072
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243179
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36037
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF-	1T07487 203

## 2 COMPLETE TRUSSES REQUIRED

Top Chord:	1 Row	@ 7.00"	0.0 c
Bot Chord:	1 Row	@ 12.00"	0.0 c

1 ROW @ 4" x 8" @ 0.5  
 1 ROW @ 4" x 8" @ 0.5  
 1 ROW @ 4" x 8" @ 0.5

Use equal spacing between rows and stanner rails

in each row to avoid spitting.

110 mph wind, 16.64 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TO DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Max JT VERI DEFL: LL: 0.10" DL: 0.17" recommended camber 1/4"

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC

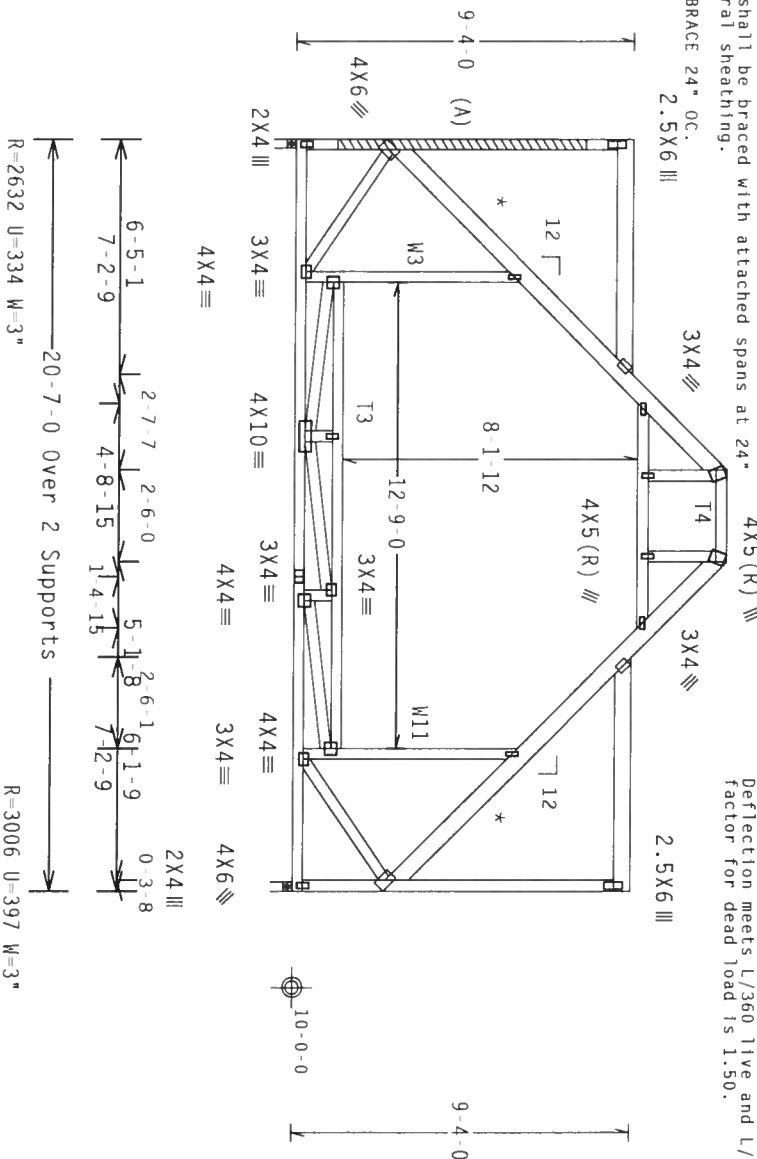
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

\* THIS MEMBER TO BE BRACE 24" OC. 3X4 //

2.5X6 |||

1

2.5X6 III



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Cq/RT=1.00(1.25)/10(0$$

FL/-/4/-/-/R/-

Scale = .1875" / Ft.

11-“WARNING”-ALL RULES ROUTING EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO GC-1 TO 3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE BUREAU OF LAB. INST. 5831, 0-DIMENSIONAL, 5011 2ND, MADISON, WI 53719, AND WICK (GOOD THINGS COME IN SMALL PACKAGES) OF AMERICA, 5300 ENTERPRISE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PATELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LACID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

ALPINE ENGINEERED

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE OR FABRICATING HANDLING, INCLUDING INSTALLATION & MAINTENANCE, SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE PRODUCT. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE PRODUCT. THE USER SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF THE PRODUCT.

TO BUILD THE

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI.

ALPINE

CONJUNCTION PENCILS ARE: HARD, (H) 20/18/16GA (H, H/S/K) ASTM A653 GRADE 40/60 (H, K/H, S)

APPLY GALV. SILENTLY

ALL INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3

A SEAL ON THIS

DESIGN SHOWN THE SUITABILITY AND USE OF THIS COMPONENT FOR THE BUILDING AS THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY

#### FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/FP1 1 SEC. 2.

11

1

FL/-4/-/R/-		Scale = .1875"/FL
TC LL	20.0 PSF	REF R487 - 81073
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243180
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 125900
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF - 1T07487 Z03

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #2:  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W3, W10 2x4 SP #2 Dense:

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 159 PLF at 3.92 to 159 PLF at 7.63  
TC - From 130 PLF at 7.63 to 130 PLF at 10.29  
TC - From 130 PLF at 10.29 to 130 PLF at 12.95  
TC - From 159 PLF at 12.95 to 159 PLF at 16.67  
TC - From 130 PLF at 16.67 to 130 PLF at 20.58  
TC - From 130 PLF at 20.58 to 130 PLF at 22.13  
PLT - From 20 PLF at 7.88 to 20 PLF at 12.70  
BC - From 20 PLF at 1.50 to 6 PLF at 0.00  
BC - From 20 PLF at 0.00 to 20 PLF at 3.92  
BC - From 120 PLF at 3.92 to 120 PLF at 16.67  
BC - From 20 PLF at 16.67 to 20 PLF at 20.58  
BC - From 6 PLF at 20.58 to 6 PLF at 22.13  
BC - 110 LB Conc. Load at 3.92, 16.67

Deflection meets L/360 live and L/240 total load. Creep increase 4X5(R) III  
factor for dead load is 1.50.

110 mph wind, 17.06 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.06 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

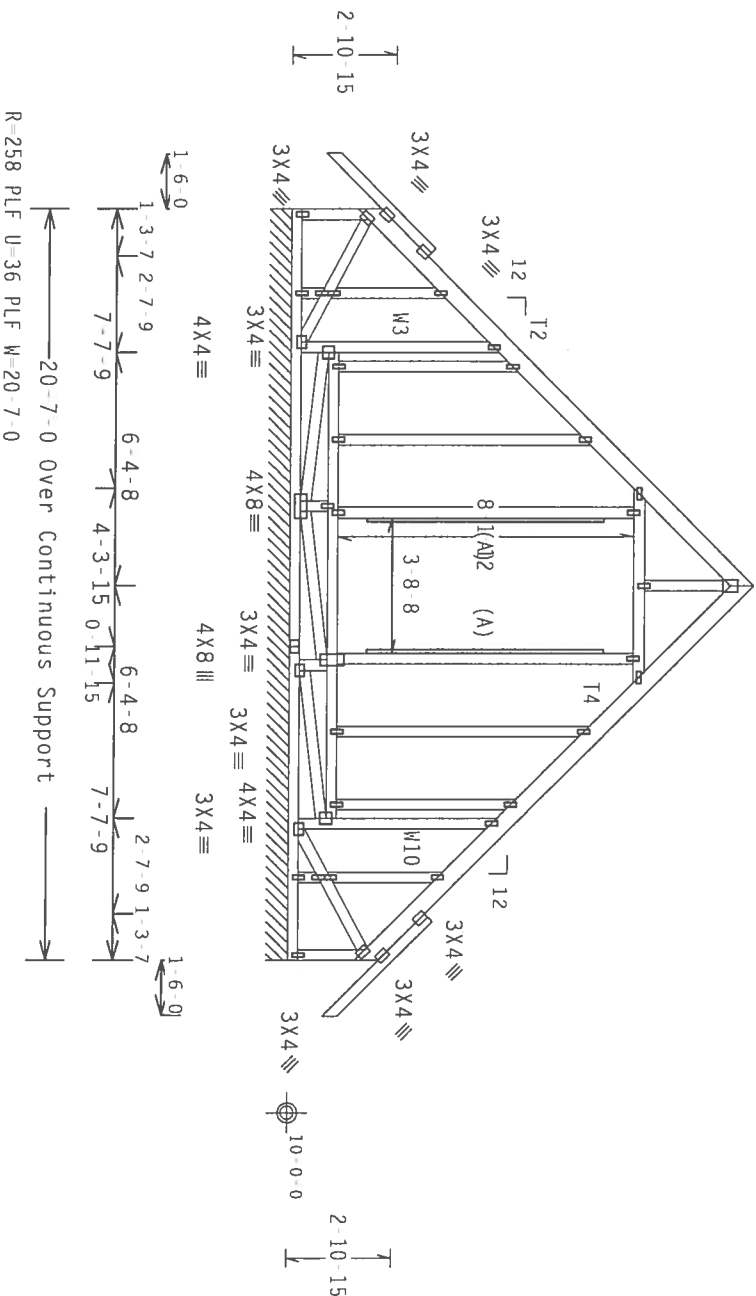
End verticals not exposed to wind pressure.

Truss spaced at 24.0" OC designed to support 1.4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DNS A11030EE0405 & GBLLET110405 for more requirements.

(A) 1x4 SP #3 or better "L" brace, 80% length of web member. Attach with 8d box or Gun (0.113"x2.5",min.) nails @ 6" OC.

Collar-tie braced with continuous lateral bracing at 24" OC, or rigid ceiling.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.12

FL/4/-/-R/-

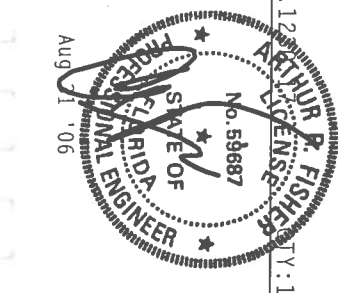
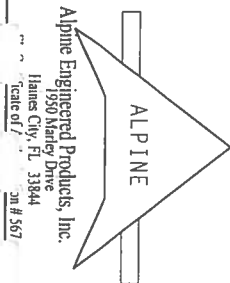
Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (INSTALLING COMPONENT SAFETY, AND WEA GOOD) AND WEA GOOD (UNLESS OTHERWISE SPECIFIED). TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.



TC LL	20.0 PSF	REF R487- 81074
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243181
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 125790 REV
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF- 1T07487 203

Top chord 2x4 SP #2 Dense : T2, T5 2x6 SP #2:  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 : W3, W11 2x4 SP #2 Dense:

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.20" due to live load and 0.37" due to dead load.

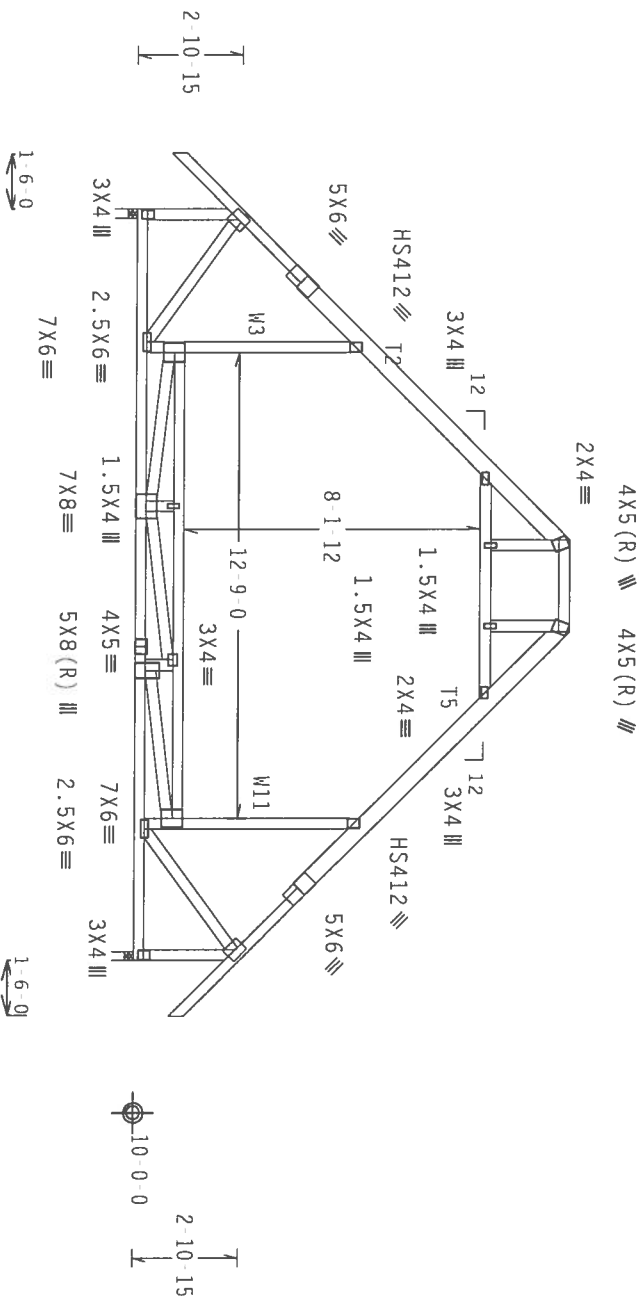
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 3.11.8 to 16.8.8.

110 mph wind, 16.64 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

End verticals not exposed to wind pressure.

Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS,Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

Aug 31 '06

FL/-/4/-/R/-

Scale = .1875"/ft.

**\*\*WARNING\*\*** INSECT PROTECTANT, EXTERIOR GUT, IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, TRUSSES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE. THE USER OF THIS TRUSS SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TRUSS AND THE BUILDING AND THE PERSONS AND PROPERTY OF ANYONE. THE USER OF THIS TRUSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TRUSSES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING OR TO THE PERSONS OR PROPERTY OF ANYONE. THE USER OF THIS TRUSS SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE TRUSS AND THE BUILDING AND THE PERSONS AND PROPERTY OF ANYONE. THE USER OF THIS TRUSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive James City, FL 33844

TC LL 20.0 PSF  
TC DL 10.0 PSF  
BC DL 10.0 PSF  
BC LL 0.0 PSF  
TOT.LD. 40.0 PSF  
DUR.FAC. 1.25

REF R487- 81075  
DATE 08/31/06  
DRW HCUR487 06243182  
HC-ENG JB/AF  
SECON 36018  
FROM JP

JBFF - 1107487 203

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Webs 2x4 SP #3

(B) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

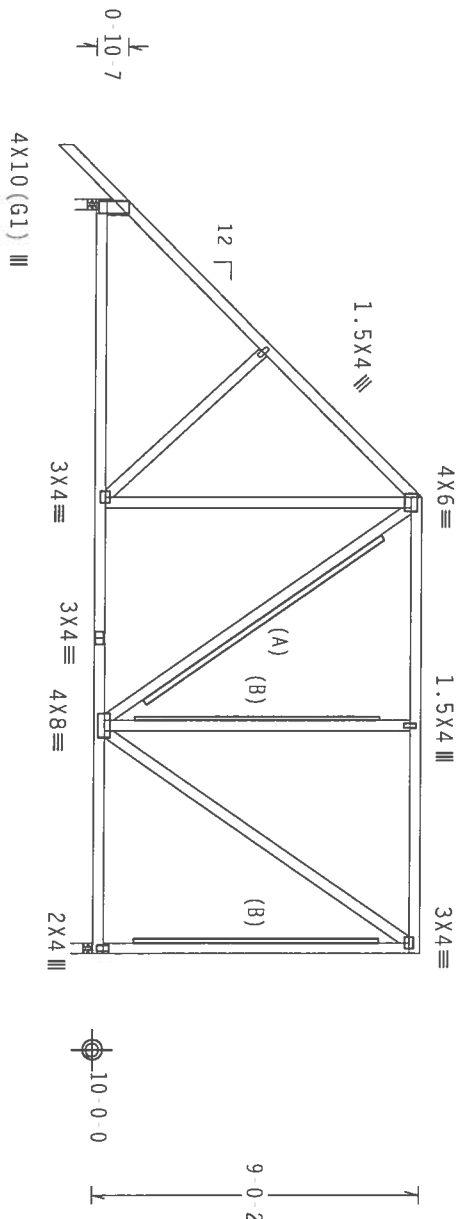
(A) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.


$$\begin{array}{r} 1.6 \\ \hline 0.9 \end{array}$$

8-1-11

12-6-5

20-8-0 Over 2 Supports

R=1027 U=180 W=3.5

R=908 U=180 W=3.5"

PLT TYP. Wave

Design Crit:  $TPI-2002(STD)/FBC$ 
$$Cq/RT=1.00(1.25)/10(0$$

7.24.12

FL/4/-/-/R/-

Scale = .1875"/ft.

**\*WARNING\*** - FIBERS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PANTS INSTITUTE, 5875 D'ORCHARD RD., SUITE 200, HANSDEN, MI 53129, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE BLVD, HANSDEN, MI 53129) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CEILING.

FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING HANDLING ERECTING

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND IPI.

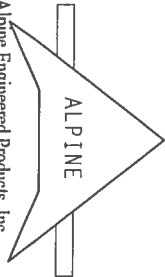
PLATES TO FACILITATE OF THICK AND THINER ATTACHED LOCATED ON THIS BEARING

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3 A SEAL ON THE

DELEGATE RESPONSIBILITY AND HOLD ACCOUNTABLE SOLELY FOR THE TRUSS COMPONENT

**BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.**

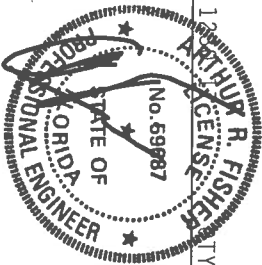
1



Alpine Engineered Products, Inc.  
1050 N. 1st St., Danvers, MA 01923

1750 Mailey Drive  
Haines City, FL 33844

Scale of / on #567



FL/-/4/-/-/R/-		Scale= .1875"/ft.
TC LL	20.0 PSF	REF R487 - 81076
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCU8R487 06243183
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN 36025
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF - 1T07487 Z03

(A) 2x4 SP #3 or better "T" brace. 80% length of web member Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 

7.24.1

QTY:3 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

**WARNING:** JOISTS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCCL 1 FOR DETAILED CONSTRUCTION SAFETY INFORMATION, FURNISHED BY TPI (TIMBER PLATE INSTITUTE, 593 D'AMICO ROAD, SUITE 200, MADISON, WI 53719) AND WCA (WOOD PRESERVATION CONSULTANTS, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTIES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED END CUTTING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES, TO CONFORM WITH APPLICABLE PROVISIONS OF THE NATIONAL BUILDING CODE.


DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AASHTO (NATIONAL DESIGN SPEC., BY AASHTO) AND TPI. ALPINE

CONNECTION PLATES ARE MADE OF 20/18/16GA (H, H/S, K) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

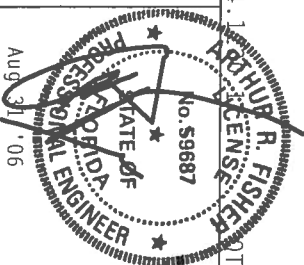
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.

1950 Marley Drive  
Haines City, FL 33844  
Certificate of Registration  
Registration # 567



3 FL/-4/-1/-R/-		Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R487 - B1077
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCURSR487 06243184
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN 125793
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF - 1T07487 203



## 2 COMPLETE TRUSSES REQUIRED

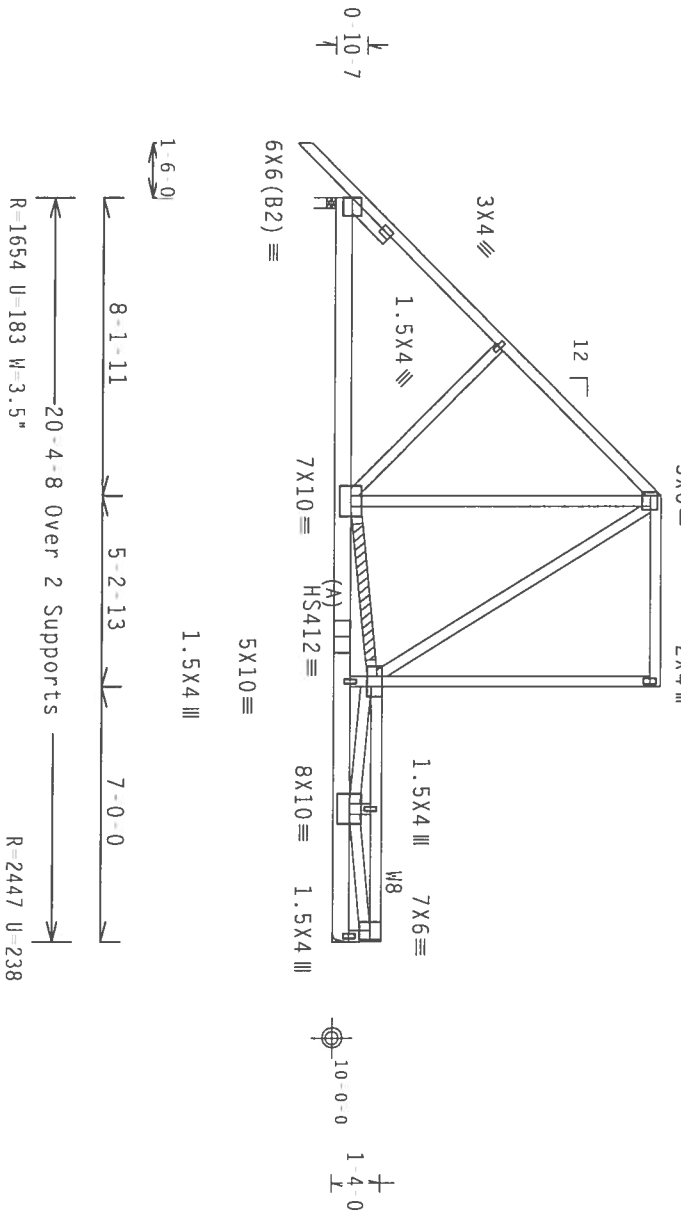
Nailing Schedule: (12d\_Box\_or\_Gun\_(0.128"x3.25",\_min\_)\_nails,  
Top Chord: 1 Row @ 9.75" o.c.  
Bot Chord: 1 Row @ 12.00" o.c.  
1 Row @ 12.00" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Wind reactions based on MFRS pressures.

Calculated horizontal deflection is 0.11" due to live load and 0.23" due to dead load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit:  $TPI - 2002(STD)/FBC$ 

**\*\*\*WARNING\*\*\*** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDING, SHIPPING, INSTALLING AND

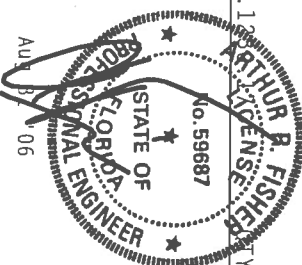
REFER TO GC51 (BUILDING COMPONENTS INFORMATION), PUBLISHED BY THE CRSS PILE INSTITUTE, 5600 D'ORVILLE BL., SUITE 200, MADISON, WI 53715) AND ICA (GOOD ROSS COUNCIL OF AFRICA, 6500 ENTERPRISE LN, MADISON, WI 53717) FOR SAFETY PRACTICES PRIOR TO PERFORMING TEST FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORD SHALL HAVE PRIORITY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PRIORITY ATTACHED

"IMPUKIANI" FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES;  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC., BY AREA AND TPI.  
CONNECTOR PLATES ARE MADE OF 201/81/656 (H-H/S/K) ASTM A675 GRADE 40/60 W/31 S GALV STEEL  
ALUMINUM

Alpine Engineered Products, Inc.

James City, IL 55674  
 Scale of 1 to 10 on # 567



FL./4./R.		Scale = .1875"/Ft.
TC LL	40.0 PSF	REF R487-- 81078
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243185
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	60.0 PSF	SECN 125796
DUR.FAC.	1.00	FROM JP
SPACING	24.0"	URFF- 1T07487 Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x6 SP #2  
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 60 PLF at 0.00 to 60 PLF at 3.96  
BC - From 20 PLF at 0.00 to 20 PLF at 3.96  
BC - 895 LB Conc. Load at 1.56  
BC - 1230 LB Conc. Load at 3.56

Wind reactions based on MMFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

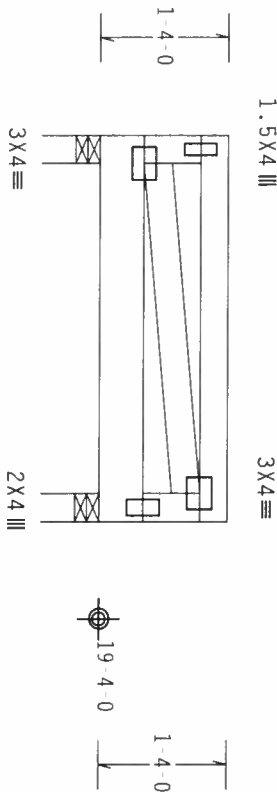
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)\_nails)  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 2 Rows @5.50" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 20.67 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



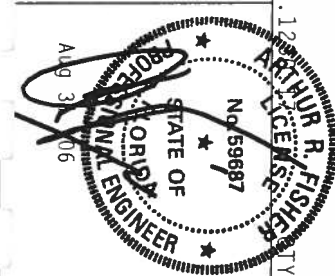
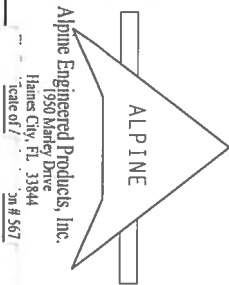
3-11-8 Over 2 Supports →  
R=823 U=180 W=3.5" R=1619 U=249 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (INCLUDING COMPONENT SAFETY INFORMATION), PROVIDED BY TPI TRUSSES, PLATING AND BRACING INFORMATION, AND THE TPI TRUSSING HANDBOOK, (1990) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. ALPINE PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUBMITTAL OF THIS DESIGN. UNLESS OTHERWISE INDICATED, THE TRUSS COMPONENT USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMER/TPI 1 SEC. 2.

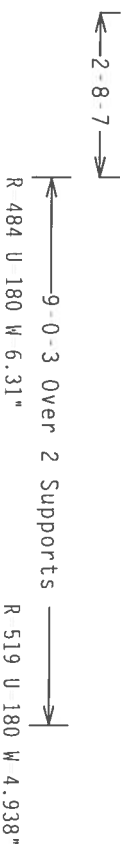


FL / - / 4 / - / - / R / -		Scale = .5" / Ft.	
TC LL	20.0 PSF	REF	R487 - - 81079
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243186
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SECN	36071
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	URFF	1T07487 203

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.12

FL/-/4/-/-/R/-

Scale = .3125"/Ft.

\*\*\*\*\*WARNING\*\*\*\*\* FRAMES REQUIRE EXTERIOR GASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. AIR IS KEPT IN THE BUILDING COMPONENTS AFTER REMOVAL, FURNISHED BY THE (CROSS MATE, INSTITUTE, 503 0 0000 RD. #6, SUITE 200, MADISON, WI 53719) AND VICA (WOOD TRUSS CONNECT, OF AMERICA, 6500 ENTERPRISE, IN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. INTEREST OR HESITANT INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIFTING SLING.

**\*\*IMPORTANT\*\***\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALFPA) AND TPI. ALPINE  
CONNECTOR PLATES ARE MADE OF 2018/16GA (H.H/S/K) ASTM A653 GRADE 40/60 (H. K/H.S) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2.

100

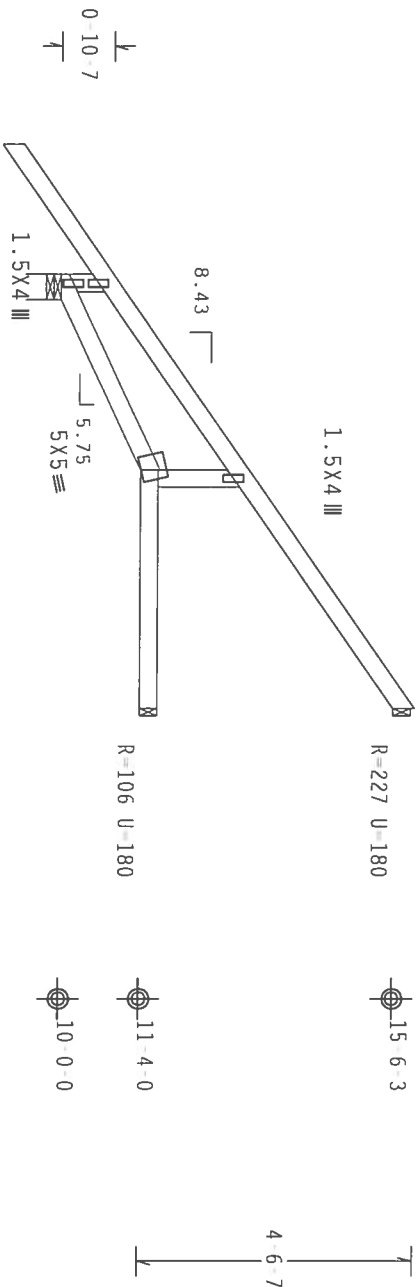
12/12/06

ARTHUR R. FISHER  
P.E.  
STATE OF FLORIDA  
LICENSE NO. 59687  
PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R487 - 81080
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243187
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	36065
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF -	1T07487 203

Shim all supports to solid bearing.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



LE-1-107

3-2-6 3-11-1  
7-1-7 Over 3 Supports  
R 295 U=180 W=4.984"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

 $C_q/RT=1.00(1.25)/10(0)$ 

7.24.1

2: FL/-/4/-/-/R/

Scale = .3125"/Ft.




Alpine Engineered Products, Inc.  
1950 Marley Drive  
Flames City, FL 33844  
fiscal of on #567

\*\*\*WARNING\*\*\* JARVIS BUILDING EXTERIOR CARE INC. FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEC 1.03 (LOADING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 503 DOWNEY RD., SUITE 200, MADISON, WI 53719) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN ST., SUITE 1700, MADISON, WI 53703) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PRIORITY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PRIORITY ATTACHED RIGID CUTTING.

\*\*\*IMPORTANT\*\*\* JARVIS HAS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ATTENTION ENGINEERED

ALPINE ENGINEERING

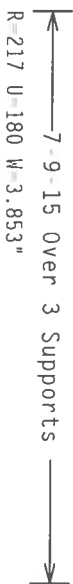
A circular professional engineer seal for the State of Florida. The outer ring contains the text "ARTHUR R. FISHEN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "STATE OF FLORIDA" at the top and "No. 59687" at the bottom, also separated by two stars. A signature, "ARTHUR R. FISHEN", is written across the seal in dark ink.

2 FL/-4/-/-R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487 - 81081
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCU8R487 06243188
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 125799
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487 203

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 5-6-7 setback jacks with no webs.

Provide ( 3 ) 16d common nails (0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.



Scale = .375"/Ft.



DESIGN SHOP. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IFP 1 SEC. 2

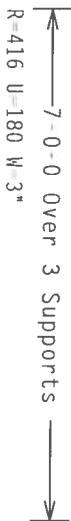


FL/4/-/R/		Scale=.375"/ft.
TC LL	20.0 PSF	REF R487-- 81082
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243189
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 125804
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_203

110 mph wind, 21.54 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



W 0917

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.

QTY:9 FL/-/4/-/-/R/-

Scale = .375" / Ft.

**WARNING:**—TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MCS-1 (3) (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PANEL INSTITUTE, 508 D'AMORE DR., SUITE 200, MAINTON, MI 52179, AND MICA (GOOD TRUSS CONDUCT) OF AMERICA, 6340 ENTERPRISE BL MAINTON, MI 52179 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.


DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM (A-14S/K) ASH A653 GRADE 40/60 (A-14/S) GALV. STEEL. APPLY

PLATES 10 EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PTR ANNEX A3 OF TP11-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES A CHANGE OF OBSERVATION DURING INSPECTION.

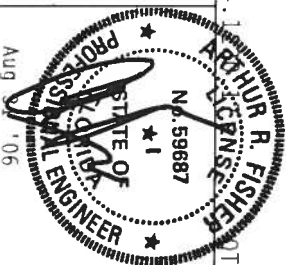
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER AISI/191 SEC. 2.



**ALPINE**

**Alpine Engineered Products, Inc.**  
 1950 Mainway Drive  
 Titaine City, FL 33844  
 Phone of \_\_\_\_\_  
 Telex # 56 \_\_\_\_\_



FL/-4/-1/R/-		Scale=.375"/ft.
TC LL	20.0 PSF	REF R487-- 81083
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCU8487 06243159
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEON- 36041
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_Z03

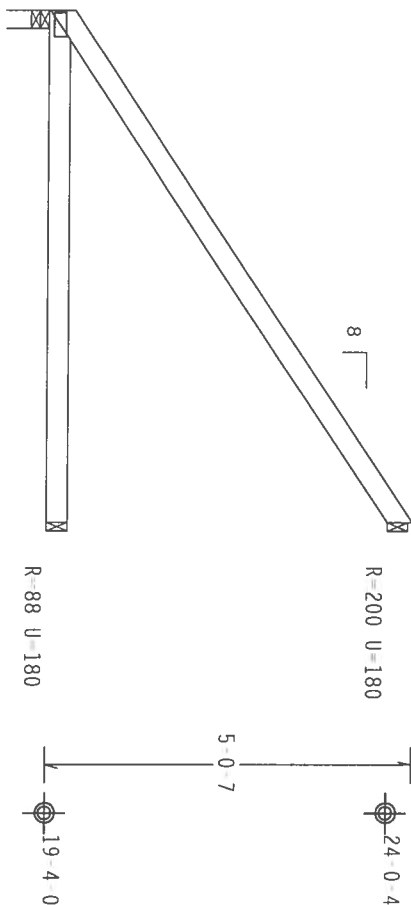
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 22.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,  
wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



7'-0" Over 3 Supports  
R=299 U=180 W=3"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RI=1.00(1.25)/10(0)

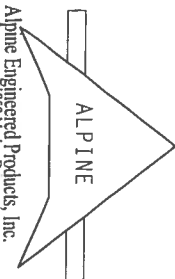
7.24

FL/-/4/-/R/-

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 10000 W. 10TH AVE., SUITE 200, MADISON, WI 53719 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 FORESTVIEW BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE TRUSSES SHALL BE IDENTIFIED BY A TAG LOCATED ON THIS DESIGN, POSITION PER DRAWING 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY A VISUAL INSPECTION OF THE TRUSS COMPONENTS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. A SEAL ON THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
on #567



Aug 1 '06

TC LL	20.0 PSF	REF	R487 - 81084
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243160
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEON	36040
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1107487_203



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

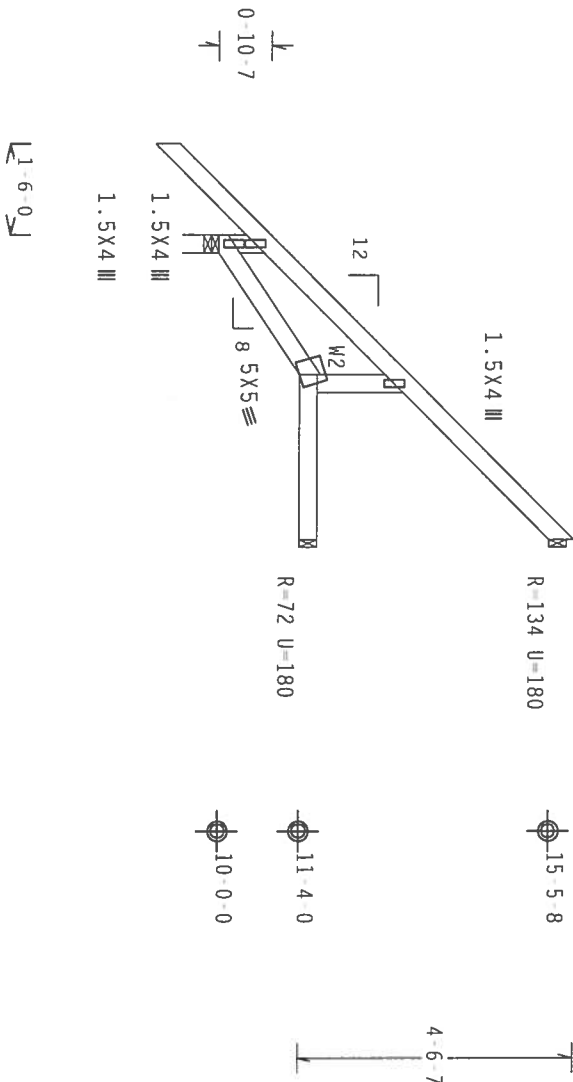
Fasten rated sheathing to one face of this frame.

Provide ( 2 ) 16d common nails(0.162"x3.5"); toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"); toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,  
wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

Shim all supports to solid bearing.



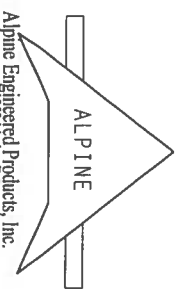
2-3-8 2-8-8  
5 0 0 Over 3 Supports  
R=355 U=180 W=3.5"

PLT TYP. Wave

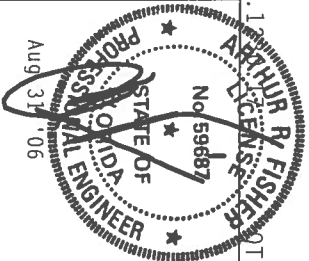
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH ZEEB RD., SUITE 200, MADISON, WI 53719, AND WICKI, GOOD TRUSS CONSTRUCTION, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018/1564 (W18X5) ASH 6050 GRADE (W, K18.5) GALV. STEEL. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10, SECTION 10.2.1, AND THE TRUSS CONSTRUCTION MANUAL, 10TH EDITION, 2002, SECTION 10.2.1. A SEAL ON THIS DESIGN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 888-367-3677



QTY: 2 FL/-/4/-/R/-

Scale = .3125"/ft.

TC LL	20.0 PSF	REF	R487 - 81085
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243190
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	36053
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487 203

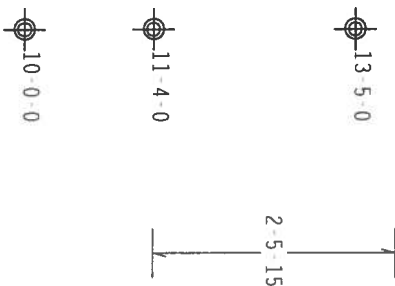


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Shim all supports to solid bearing.

Shim all supports to solid bearing.



2-3-8  
2-11-8 Over 3 Supports  
R=275 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00 (1.25)

$$Cq/RT=1.00(1.25)/10(0)$$

7.24.1

2 FL/-/4/-/-/R/-

Scale = .5"/Ft.

\*WARNING\*—PRIESTS ROUTINE EXHIBIT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DEMOUNTING REFER TO REG-103 (BUILDING COMPONENT CASE INFORMATION), PUBLISHED BY IPT (THUSS PAST INSTITUTE, 501 O'DONORR RD., SUITE 200, MADISON, WI 53719) AND APCA (GOOD TRUSS COUNCIL OF AMERICA, 6300 FRIERSEN RD., MADISON, WI 53719) FOR ADVISORY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID CEILING.

IMPROVING FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR SHALL NOT BE PREVENTING FOR ANY DEVIATION FROM THIS DESIGN.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROTECTIVE MEASURES BEING TAKEN TO PREVENT CORROSION OF THE PLATE.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE THIS COMPONENT

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND ARCHITECT. SEE 3.

DESIGN SHOWS THE SOLIDITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

OUTGOING DISBURSEMENT FOR AHSJ/1P1 1 DEC. 8.

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐ 13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐ 25. ☐ 26. ☐ 27. ☐ 28. ☐ 29. ☐ 30. ☐ 31. ☐ 32. ☐ 33. ☐ 34. ☐ 35. ☐ 36. ☐ 37. ☐ 38. ☐ 39. ☐ 40. ☐ 41. ☐ 42. ☐ 43. ☐ 44. ☐ 45. ☐ 46. ☐ 47. ☐ 48. ☐ 49. ☐ 50. ☐ 51. ☐ 52. ☐ 53. ☐ 54. ☐ 55. ☐ 56. ☐ 57. ☐ 58. ☐ 59. ☐ 60. ☐ 61. ☐ 62. ☐ 63. ☐ 64. ☐ 65. ☐ 66. ☐ 67. ☐ 68. ☐ 69. ☐ 70. ☐ 71. ☐ 72. ☐ 73. ☐ 74. ☐ 75. ☐ 76. ☐ 77. ☐ 78. ☐ 79. ☐ 80. ☐ 81. ☐ 82. ☐ 83. ☐ 84. ☐ 85. ☐ 86. ☐ 87. ☐ 88. ☐ 89. ☐ 90. ☐ 91. ☐ 92. ☐ 93. ☐ 94. ☐ 95. ☐ 96. ☐ 97. ☐ 98. ☐ 99. ☐ 100. ☐ 101. ☐ 102. ☐ 103. ☐ 104. ☐ 105. ☐ 106. ☐ 107. ☐ 108. ☐ 109. ☐ 110. ☐ 111. ☐ 112. ☐ 113. ☐ 114. ☐ 115. ☐ 116. ☐ 117. ☐ 118. ☐ 119. ☐ 120. ☐ 121. ☐ 122. ☐ 123. ☐ 124. ☐ 125. ☐ 126. ☐ 127. ☐ 128. ☐ 129. ☐ 130. ☐ 131. ☐ 132. ☐ 133. ☐ 134. ☐ 135. ☐ 136. ☐ 137. ☐ 138. ☐ 139. ☐ 140. ☐ 141. ☐ 142. ☐ 143. ☐ 144. ☐ 145. ☐ 146. ☐ 147. ☐ 148. ☐ 149. ☐ 150. ☐ 151. ☐ 152. ☐ 153. ☐ 154. ☐ 155. ☐ 156. ☐ 157. ☐ 158. ☐ 159. ☐ 160. ☐ 161. ☐ 162. ☐ 163. ☐ 164. ☐ 165. ☐ 166. ☐ 167. ☐ 168. ☐ 169. ☐ 170. ☐ 171. ☐ 172. ☐ 173. ☐ 174. ☐ 175. ☐ 176. ☐ 177. ☐ 178. ☐ 179. ☐ 180. ☐ 181. ☐ 182. ☐ 183. ☐ 184. ☐ 185. ☐ 186. ☐ 187. ☐ 188. ☐ 189. ☐ 190. ☐ 191. ☐ 192. ☐ 193. ☐ 194. ☐ 195. ☐ 196. ☐ 197. ☐ 198. ☐ 199. ☐ 200. ☐ 201. ☐ 202. ☐ 203. ☐ 204. ☐ 205. ☐ 206. ☐ 207. ☐ 208. ☐ 209. ☐ 210. ☐ 211. ☐ 212. ☐ 213. ☐ 214. ☐ 215. ☐ 216. ☐ 217. ☐ 218. ☐ 219. ☐ 220. ☐ 221. ☐ 222. ☐ 223. ☐ 224. ☐ 225. ☐ 226. ☐ 227. ☐ 228. ☐ 229. ☐ 230. ☐ 231. ☐ 232. ☐ 233. ☐ 234. ☐ 235. ☐ 236. ☐ 237. ☐ 238. ☐ 239. ☐ 240. ☐ 241. ☐ 242. ☐ 243. ☐ 244. ☐ 245. ☐ 246. ☐ 247. ☐ 248. ☐ 249. ☐ 250. ☐ 251. ☐ 252. ☐ 253. ☐ 254. ☐ 255. ☐ 256. ☐ 257. ☐ 258. ☐ 259. ☐ 260. ☐ 261. ☐ 262. ☐ 263. ☐ 264. ☐ 265. ☐ 266. ☐ 267. ☐ 268. ☐ 269. ☐ 270. ☐ 271. ☐ 272. ☐ 273. ☐ 274. ☐ 275. ☐ 276. ☐ 277. ☐ 278. ☐ 279. ☐ 280. ☐ 281. ☐ 282. ☐ 283. ☐ 284. ☐ 285. ☐ 286. ☐ 287. ☐ 288. ☐ 289. ☐ 290. ☐ 291. ☐ 292. ☐ 293. ☐ 294. ☐ 295. ☐ 296. ☐ 297. ☐ 298. ☐ 299. ☐ 300. ☐ 301. ☐ 302. ☐ 303. ☐ 304. ☐ 305. ☐ 306. ☐ 307. ☐ 308. ☐ 309. ☐ 310. ☐ 311. ☐ 312. ☐ 313. ☐ 314. ☐ 315. ☐ 316. ☐ 317. ☐ 318. ☐ 319. ☐ 320. ☐ 321. ☐ 322. ☐ 323. ☐ 324. ☐ 325. ☐ 326. ☐ 327. ☐ 328. ☐ 329. ☐ 330. ☐ 331. ☐ 332. ☐ 333. ☐ 334. ☐ 335. ☐ 336. ☐ 337. ☐ 338. ☐ 339. ☐ 340. ☐ 341. ☐ 342. ☐ 343. ☐ 344. ☐ 345. ☐ 346. ☐ 347. ☐ 348. ☐ 349. ☐ 350. ☐ 351. ☐ 352. ☐ 353. ☐ 354. ☐ 355. ☐ 356. ☐ 357. ☐ 358. ☐ 359. ☐ 360. ☐ 361. ☐ 362. ☐ 363. ☐ 364. ☐ 365. ☐ 366. ☐ 367. ☐ 368. ☐ 369. ☐ 370. ☐ 371. ☐ 372. ☐ 373. ☐ 374. ☐ 375. ☐ 376. ☐ 377. ☐ 378. ☐ 379. ☐ 380. ☐ 381. ☐ 382. ☐

[illegible]

100

100

100

Professional Engineer Seal for the State of Florida, No. 59687, signed by R. Fisher.

TC LL	20.0 PSF	REF	R487- 81087
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243191
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36052
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1T07487_Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

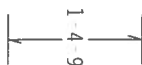
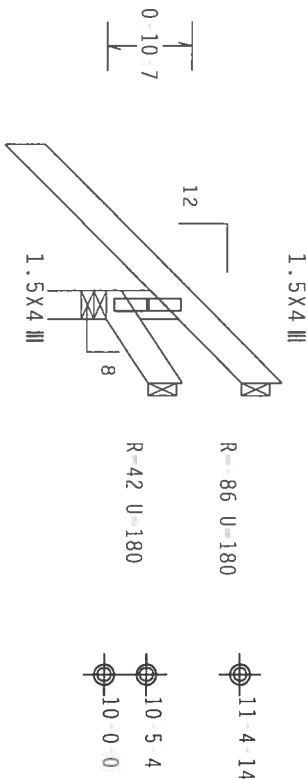
Wind reactions based on MWFRS pressures.

Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-6-0-0  
0 11 6 Over 3 Supports  
R-242 U 180 W 3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

QTY: 2 FL/-/4/-/R/-

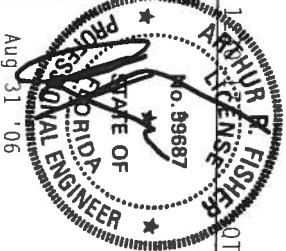
Scale = 5"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXISTING GABLE FRAMING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1.03 (BUILDING COMPONENTS) AND RCST 1.04 (TRUSS PLATE INSTALLATION). THIS TRUSS IS DESIGNED FOR A 100 MPH WIND SPEED (ASCE 7-02, WIND CATEGORY II). THE TRUSS SHALL BE PROTECTED BY A 2" MINIMUM THICKNESS OF RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTION PLATES ARE MADE OF 2018/1664 (K/H/S/K) ASH 6653 GRADE 40/60 (K/H/S) GALV STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. THE LOCATION OF PLATES IS DETERMINED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/PTI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
James City, FL 33844  
Phone # 561-338-5611

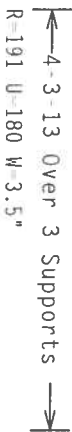


TC LL	20.0 PSF	REF R487 - 81088
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243192
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 36059
DUR. FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_203

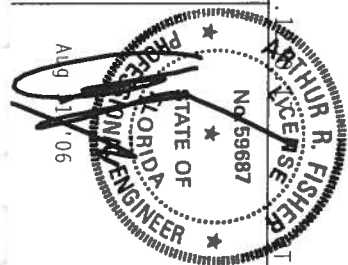
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



Scale = .5" / Ft.

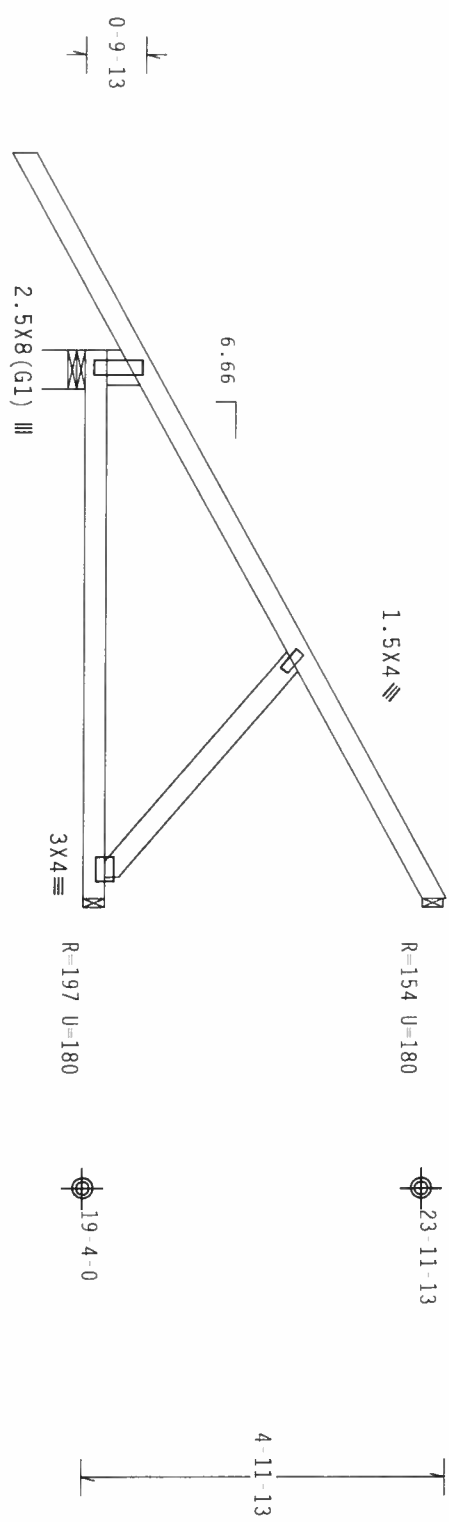


TC LL	20.0 PSF	REF	R487 - 81089
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243193
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36054
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1T07487_Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Stubbed Wedge 2x6 SP #2:

Hipjack supports 5-3-12 setback jacks with no webs.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 21.49 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Wind reactions based on MWFRS pressures.  
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-8-7  
7-6-3 Over 3 Supports  
R=363 U=180 W=6.31"

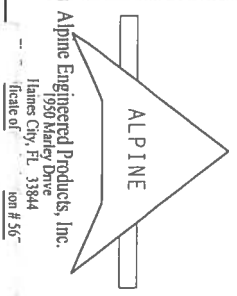
PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)



FL/-4/-/-/R/-

Scale = .375"/ft.



**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY) AND AISC 308 (STEEL ERECTORS' SAFETY) FOR ADDITIONAL INFORMATION. HADISON, MI 48321 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.  
**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 308 (STEEL ERECTORS' SAFETY) AND AISC 308 (STEEL ERECTORS' SAFETY) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.  
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 308 (STEEL ERECTORS' SAFETY) AND AISC 308 (STEEL ERECTORS' SAFETY) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF	R487 - 81090
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243194
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	36066
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487 203



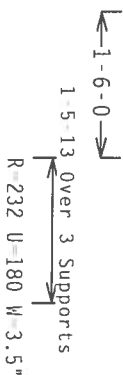




110 mph wind, 20.20 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



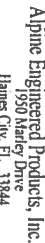
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

$$Cq/RT=1.00(1.25)/10(0)$$

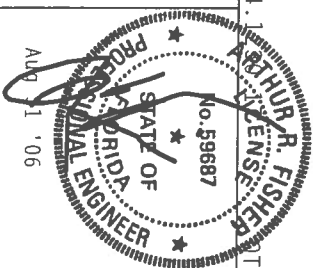
7.24.

QTY:2 FL/-/4/-/-/R/-

Scale = .5"/Ft.



PRODUCTS. THE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

[illegible]

FL/-4/-1/-R/-		Scale = .5"/Ft.
TC LL	20.0 PSF	REF R487 - 81093
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCURR487 06243196
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 36039
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF- 1T07487 Z03

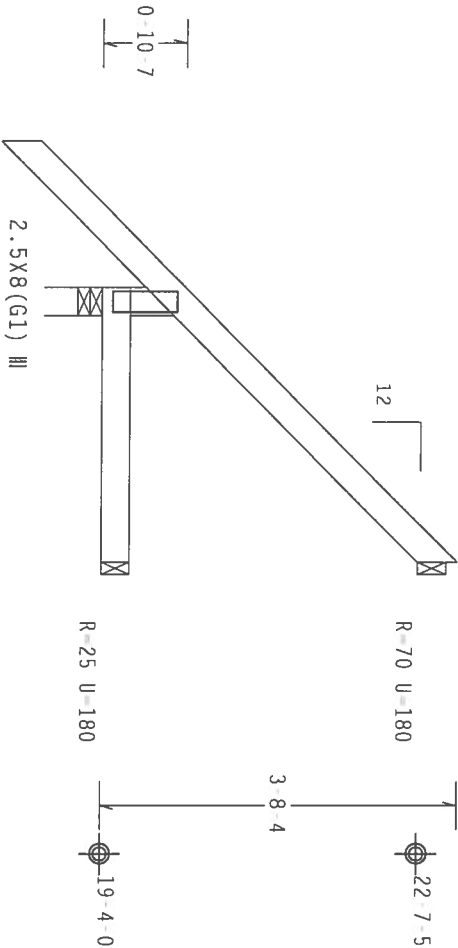
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
1lt Stubby Wedge 2x6 SP #2:

Wind reactions based on MWFRS pressures.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 20.86 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



1-6-0

2-9-13 Over 3 Supports  
R-265 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

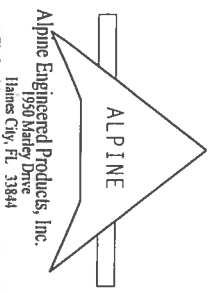
7.24.13

Scale =.5"/Ft.

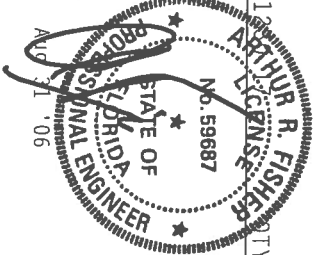
**\*\*WARNING\*\*** INSTRUCT REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC3.1.03. BUILDING COMPONENT SAFETY. INSTRUCTIONS. HANDBOOK. INSTITUTE. 583. D'ORFORD DR., SUITE 200, HADISON, NJ 07719. AND WICK (800) 888-7828. HADISON, NJ 07719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD. NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. ALPINE

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASH 4653 GRADE 40/60 (K. V/H/S) GALV. STEEL. APPLY NAILS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD. NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. ALPINE



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone: 888-567-5677



TC LL	20.0 PSF	REF	R487-81094
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243163
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	36038
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF	1T07487 Z03

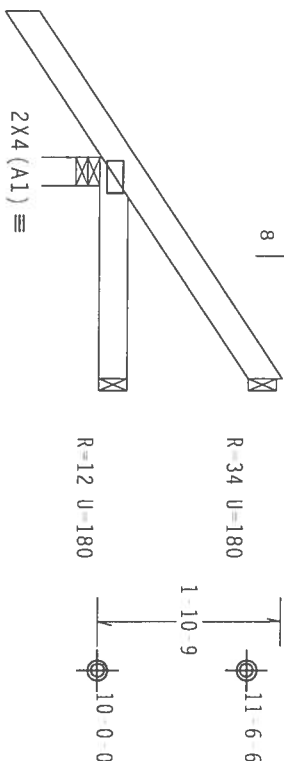
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MFRS pressures.

Provide ( 2 ) 16d common nails (0.162"x3.5"); toe nailed at Top chord.  
Provide ( 2 ) 16d common nails (0.162"x3.5"); toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



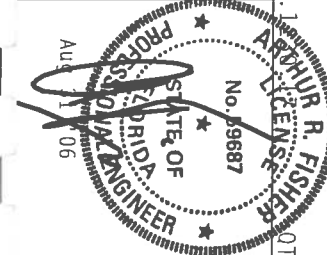
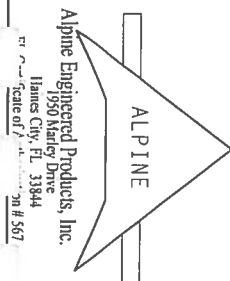
2 3 3 Over 3 Supports  
R-249 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESIST TO BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 SOUTH ZEEB, SUITE 200, MADISON, WI 53719, AND WICK, GOOD TRUSS COMPANY, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATE'S ARE MADE OF 2018/16GA (W/H/S) ASH 6053 GRADE 40/60 (K/H/S) GATE, STEEL. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE PERMITTED TO REUSE THIS DESIGN, POSITION PER DRAWINGS 160A, 2, AND SPECIFICALLY TO REUSE THIS DESIGN FOR THE TRUSS COMPONENT BUILDING DESIGNER AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/APA 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 81095
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243164
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEQN- 36032
DUR. FAC.	1.25	FROM JP
SPACING	24.0"	JRFF- 1T07487 203

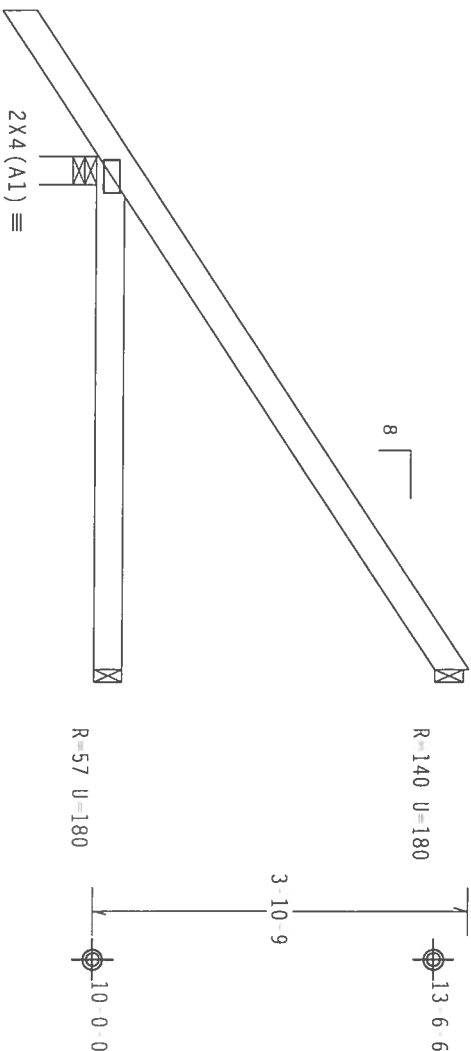
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

Provide ( 2 ) 16d common nails (0.162"x3.5"); toe nailed at Top chord.  
Provide ( 2 ) 16d common nails (0.162"x3.5"); toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



1-6-0

5-3-3 Over 3 Supports  
R-349 U=180 W-3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.12

FL/-/4/-/1/-/R/-

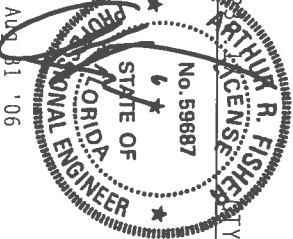
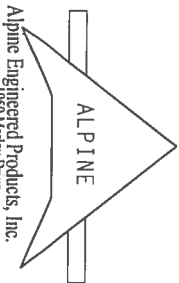
Scale = 5"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTERIOR GATE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY) AND RES 1.04 (TRUSS SAFETY) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ALL CONNECTIONS OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/SP1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 81096
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243165
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	36031
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	DRFF	1T07487 Z03



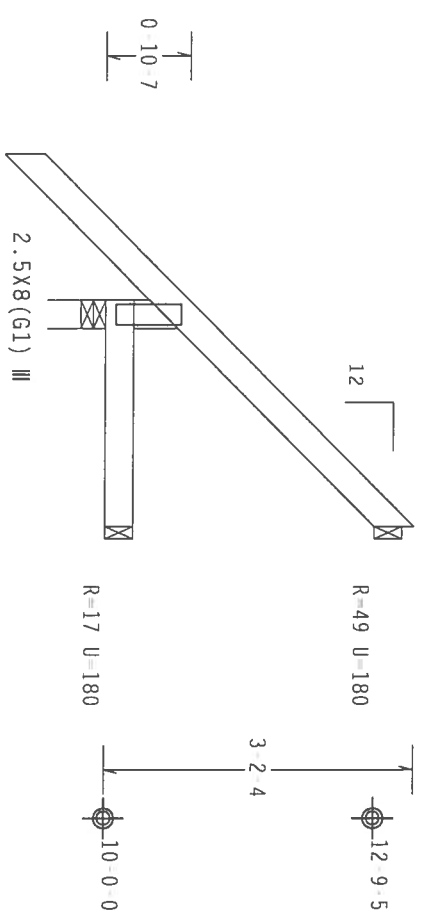
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
:lt Stubby Wedge 2x6 SP #2:

Wind reactions based on MWFRS pressures.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



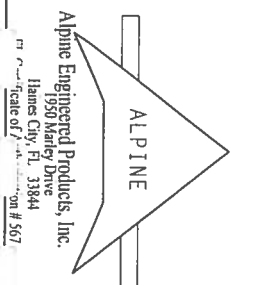
1-6-0-0  
2 3 14 Over 3 Supports  
R 249 U=180 W 3.5"

PLT TYP. Wave

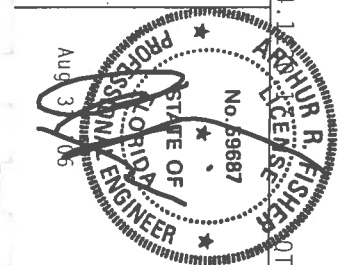
Design Crit: TP1-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

QTY: 2 FL / 4 / - / - / R / -

Scale = .5" / Ft.



\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTERIOR GUTTER, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO DESIGN 101 (BUILDING COMPONENT SAFETY) FOR TRUSS PLATE INSTALLATION. SEE  
DRAWING 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



TC LL	20.0 PSF	REF	R487 -	81098
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243166
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT. LD.	40.0 PSF	SEQN	36034	
DUR. FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF	1T07487	203

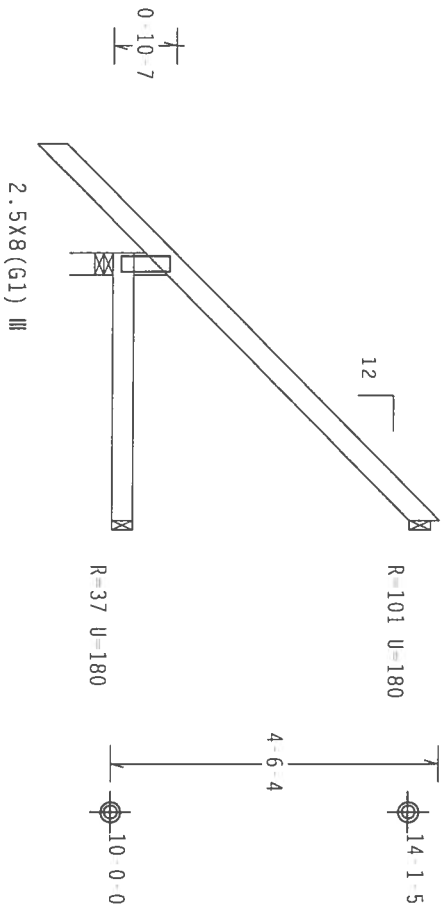
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
1st Studded Wedge 2x6 SP #2:

Wind reactions based on MWFRS pressures.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

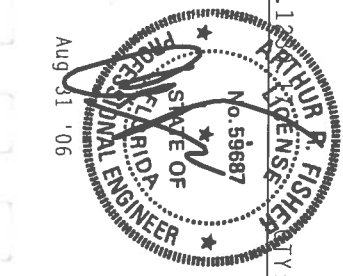
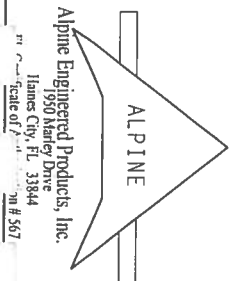
7.24.12

FL/-/4/-/-/R/-

Scale = .375"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET IN TO BUILDING CONSTRUCTION, PROHIBITED BY TPI (TRUSS PLATE INSTITUTE, 560 D'CONORIO DR., SUITE 200, HADISON, NJ 07712) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE BL, HADISON, NJ 07712) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASH 4653 GRADE 40/60 (K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWS BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN GUIDE 9, PART 1, SECTION 1. A SEAL ON THIS DESIGN SIGNIFICANTLY IMPROVES THE QUALITY OF THE TRUSS. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487--	81099
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243167
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT. LD.	40.0 PSF	SEQN	-	36033
DUR. FAC.	1.25	FROM	JP	
SPACING	24.0"	DRFF	1T07487	Z03





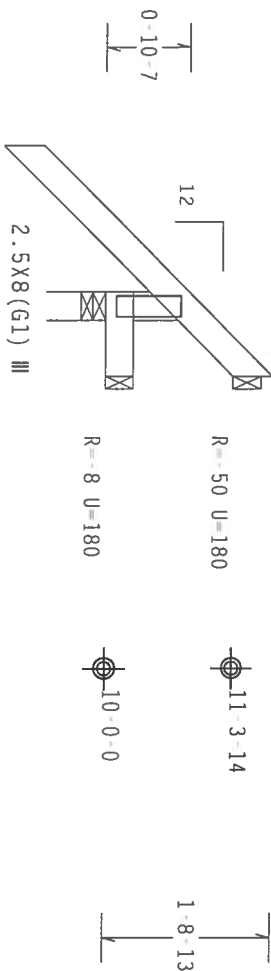
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Lt Studed Wedge 2x6 SP #2:

Wind reactions based on MWFRS pressures.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



1-6-0  
0-10-6 Over 3 Supports  
R=245 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

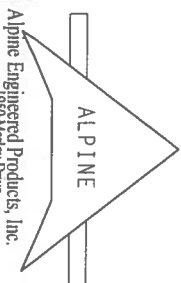
7.24.1

QTY: 2 FL/-4/-/R/-

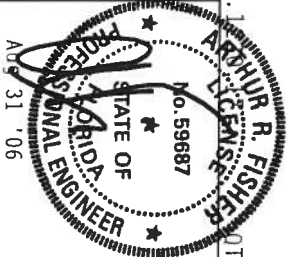
Scale =.5"/Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTERIOR GUTTER, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BC31.03 (BUILDING COMPONENT SAFETY) AND TPI (TRUSS PLATE INSTITUTE, 568  
D'AMORE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD COUNCIL, 1000  
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE  
CONNECTION PLATES ARE MADE OF 20/10/16GA (4.4W/5.5K) ASTM A653 GRADE 40/60 (4.4K/5.5K) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OR TPI 2002 SEC.3. A SEAL ON THIS  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OR TPI 2002 SEC.3. A SEAL ON THIS  
DESIGN SIGNATURE THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER AISC TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
James City, FL 33844  
Phone # 567



TC LL	20.0 PSF	REF	R487 - 81101
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243199
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	36023
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487_203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

1: Lt Stubbed Wedge 2x6 SP #2:

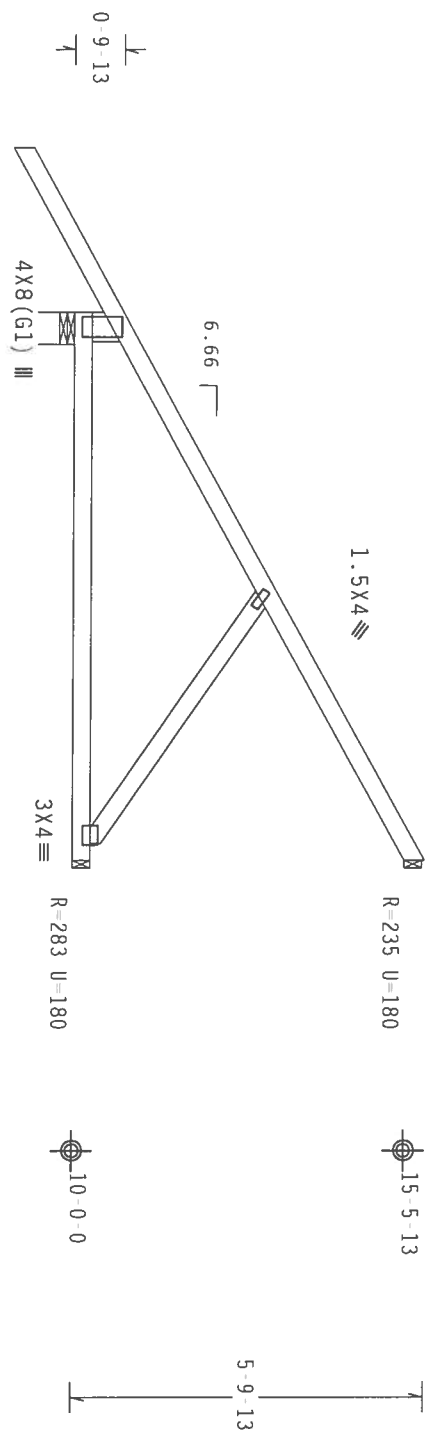
Hipjack supports 6-4-8 setback jacks with no webs.

Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Wind reactions based on MMFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



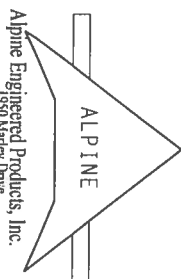
2-8-7  
9-0-3 Over 3 Supports  
R=484 U=180 W=6.31"

PLT TYP. Wave

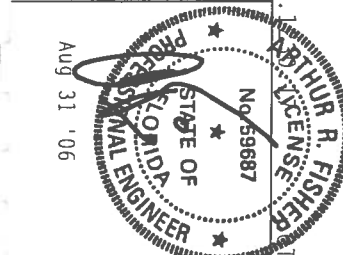
Design Crit: TPI 2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BCST 1.01 BUILDING COMPONENT SAFETY INSTRUCTIONS, TPI CROSS PLATE INSTITUTE, 563  
DUNFORD DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COMPANY) INSTRUCTIONS.  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2003 NATIONAL DESIGN SPEC. BY AREA AND TPI. ALPINE  
CONNECTION PLATES ARE MADE OF 20/14/16GA (W/1/5") ASH A653 GRADE 40/60 (K, R/H, S) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.  
ANY INSPECTION OF PLATE'S FOLLOWED BY (1) SHALL BE PERMITTED AS OF TPI 2002 SEC. 3. A SEAL ON THIS  
DRAWING INDICATES THE FACT OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT  
DESIGN SHOWN. THE SEALING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
James City, FL 33844  
Phone # 567-1000



TC LL	20.0 PSF	REF R487-81102
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243200
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 36068
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_203

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 

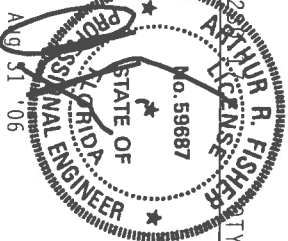
QTY:1 FL/-/4/-/-/R/-

Scale = .3125"/Ft.

**\*\* IMPORTANT \*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

Alpine Engineered Products, Inc.

Haines City, FL 33844  
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 81103
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243201
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	36069
DUR.FAC.	1.25	FROM	JP
SPACING	24.0 "	JREF -	1T07487 Z03

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Scale = .25"/Ft.

1

**ION # 567**

FL/-4/-/R/-		Scale=.25"/ft.
TC LL	20.0 PSF	REF R487- 81104
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243202
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 36028
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_Z03

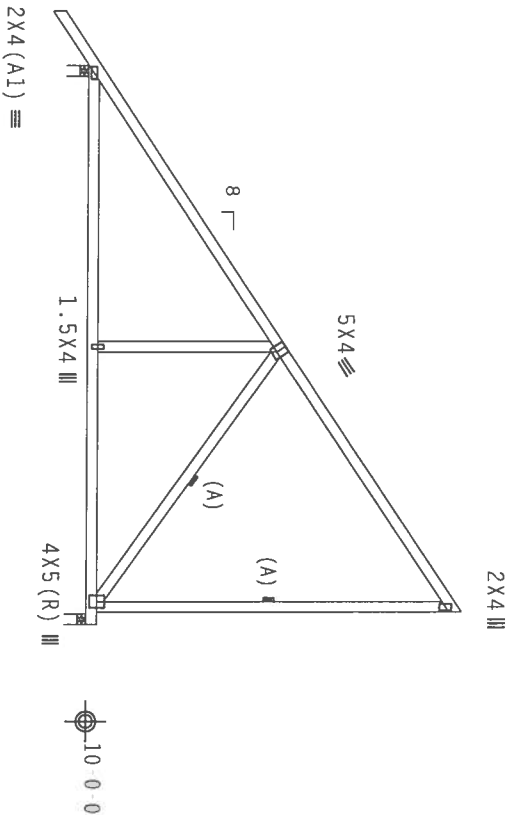
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.



15'-3-8 Over 2 Supports  
R=758 U=180 W=3.5"  
R=629 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI 2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

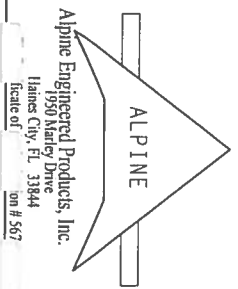
7.24

TY:10 FL/-/4/-/R/-

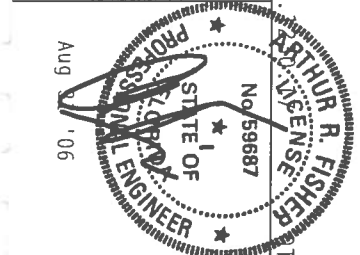
Scale = .1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 FOR BUILDING CODES, TPI TRUSS PLATE INSTITUTE, 500 PONDHILL DR., SUITE 200, MAISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. (BY AISC) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/14/16GA (4 W/5X) ASTM A653 GRADE 40/60 (4, 6/8, 5) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI 2002 SEC. 3. A SEAL ON THIS DESIGNATION OF ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMER TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 567



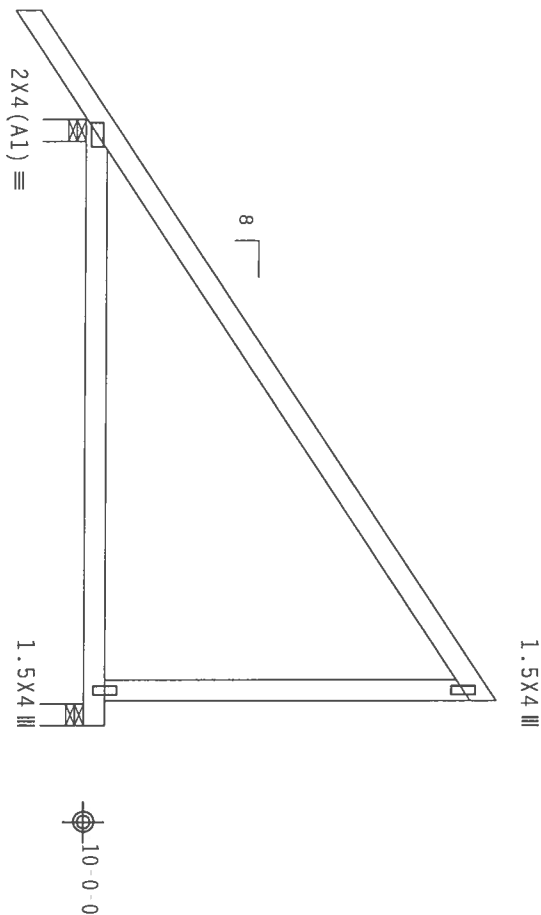
TC LL	20.0 PSF	REF R487- 81105
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243203
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 36027
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



1-6-0

8-3-8 Over 2 Supports  
R=469 U=180 W=3.5"  
R=329 U=180 W=3.5"

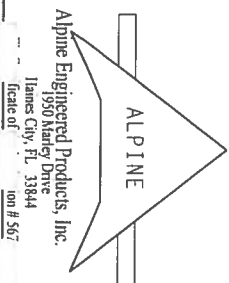
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24

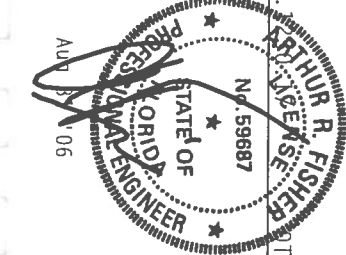
**\*\*WARNING\*\*** RUSSIES ROUTINE EXAMINE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO DESIGNER FOR ANY CORRECTIONS. DO NOT PROCEED WITH CONSTRUCTION UNTIL ALL CORRECTIONS ARE MADE. THE DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI. APPLICABLE CONNECTIONS ARE MADE OF 20/18/16GA (W/5/5) ASIN A653 GRADE 40/60 (W/ K/1.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATE FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
James City, FL 33844  
Phone # 567



TC LL	20.0 PSF	REF R487- 81106
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243204
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 36030
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_203

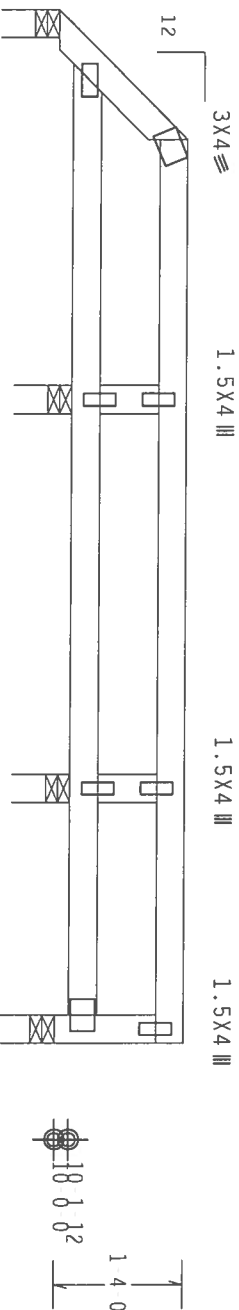
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2X4(B1) ≡ 1.5X4 III 1.5X4 III 1.5X4 III 3X4 ≡

0 9 5 3-5-5 4 0 0 9-3-10

R 134 U 180 W 3.5" R 392 U 180 W 3.5" R 304 U 180 W 3.5" R 91 U 180 W 3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS MANUFACTURING, SUCH AS THE TRUSS MANUFACTURING INSTITUTE (TMI) HANDBOOK, 1997, 2001, 2004, 2007, 2010, 2013, 2016, 2019, 2022, 2025, 2028, 2031, 2034, 2037, 2040, 2043, 2046, 2049, 2052, 2055, 2058, 2061, 2064, 2067, 2070, 2073, 2076, 2079, 2082, 2085, 2088, 2091, 2094, 2097, 2100, 2103, 2106, 2109, 2112, 2115, 2118, 2121, 2124, 2127, 2130, 2133, 2136, 2139, 2142, 2145, 2148, 2151, 2154, 2157, 2160, 2163, 2166, 2169, 2172, 2175, 2178, 2181, 2184, 2187, 2190, 2193, 2196, 2199, 2202, 2205, 2208, 2211, 2214, 2217, 2220, 2223, 2226, 2229, 2232, 2235, 2238, 2241, 2244, 2247, 2250, 2253, 2256, 2259, 2262, 2265, 2268, 2271, 2274, 2277, 2280, 2283, 2286, 2289, 2292, 2295, 2298, 2301, 2304, 2307, 2310, 2313, 2316, 2319, 2322, 2325, 2328, 2331, 2334, 2337, 2340, 2343, 2346, 2349, 2352, 2355, 2358, 2361, 2364, 2367, 2370, 2373, 2376, 2379, 2382, 2385, 2388, 2391, 2394, 2397, 2400, 2403, 2406, 2409, 2412, 2415, 2418, 2421, 2424, 2427, 2430, 2433, 2436, 2439, 2442, 2445, 2448, 2451, 2454, 2457, 2460, 2463, 2466, 2469, 2472, 2475, 2478, 2481, 2484, 2487, 2490, 2493, 2496, 2499, 2502, 2505, 2508, 2511, 2514, 2517, 2520, 2523, 2526, 2529, 2532, 2535, 2538, 2541, 2544, 2547, 2550, 2553, 2556, 2559, 2562, 2565, 2568, 2571, 2574, 2577, 2580, 2583, 2586, 2589, 2592, 2595, 2598, 2601, 2604, 2607, 2610, 2613, 2616, 2619, 2622, 2625, 2628, 2631, 2634, 2637, 2640, 2643, 2646, 2649, 2652, 2655, 2658, 2661, 2664, 2667, 2670, 2673, 2676, 2679, 2682, 2685, 2688, 2691, 2694, 2697, 2700, 2703, 2706, 2709, 2712, 2715, 2718, 2721, 2724, 2727, 2730, 2733, 2736, 2739, 2742, 2745, 2748, 2751, 2754, 2757, 2760, 2763, 2766, 2769, 2772, 2775, 2778, 2781, 2784, 2787, 2790, 2793, 2796, 2799, 2802, 2805, 2808, 2811, 2814, 2817, 2820, 2823, 2826, 2829, 2832, 2835, 2838, 2841, 2844, 2847, 2850, 2853, 2856, 2859, 2862, 2865, 2868, 2871, 2874, 2877, 2880, 2883, 2886, 2889, 2892, 2895, 2898, 2901, 2904, 2907, 2910, 2913, 2916, 2919, 2922, 2925, 2928, 2931, 2934, 2937, 2940, 2943, 2946, 2949, 2952, 2955, 2958, 2961, 2964, 2967, 2970, 2973, 2976, 2979, 2982, 2985, 2988, 2991, 2994, 2997, 3000, 3003, 3006, 3009, 3012, 3015, 3018, 3021, 3024, 3027, 3030, 3033, 3036, 3039, 3042, 3045, 3048, 3051, 3054, 3057, 3060, 3063, 3066, 3069, 3072, 3075, 3078, 3081, 3084, 3087, 3090, 3093, 3096, 3099, 3102, 3105, 3108, 3111, 3114, 3117, 3120, 3123, 3126, 3129, 3132, 3135, 3138, 3141, 3144, 3147, 3150, 3153, 3156, 3159, 3162, 3165, 3168, 3171, 3174, 3177, 3180, 3183, 3186, 3189, 3192, 3195, 3198, 3201, 3204, 3207, 3210, 3213, 3216, 3219, 3222, 3225, 3228, 3231, 3234, 3237, 3240, 3243, 3246, 3249, 3252, 3255, 3258, 3261, 3264, 3267, 3270, 3273, 3276, 3279, 3282, 3285, 3288, 3291, 3294, 3297, 3300, 3303, 3306, 3309, 3312, 3315, 3318, 3321, 3324, 3327, 3330, 3333, 3336, 3339, 3342, 3345, 3348, 3351, 3354, 3357, 3360, 3363, 3366, 3369, 3372, 3375, 3378, 3381, 3384, 3387, 3390, 3393, 3396, 3399, 3402, 3405, 3408, 3411, 3414, 3417, 3420, 3423, 3426, 3429, 3432, 3435, 3438, 3441, 3444, 3447, 3450, 3453, 3456, 3459, 3462, 3465, 3468, 3471, 3474, 3477, 3480, 3483, 3486, 3489, 3492, 3495, 3498, 3501, 3504, 3507, 3510, 3513, 3516, 3519, 3522, 3525, 3528, 3531, 3534, 3537, 3540, 3543, 3546, 3549, 3552, 3555, 3558, 3561, 3564, 3567, 3570, 3573, 3576, 3579, 3582, 3585, 3588, 3591, 3594, 3597, 3600, 3603, 3606, 3609, 3612, 3615, 3618, 3621, 3624, 3627, 3630, 3633, 3636, 3639, 3642, 3645, 3648, 3651, 3654, 3657, 3660, 3663, 3666, 3669, 3672, 3675, 3678, 3681, 3684, 3687, 3690, 3693, 3696, 3699, 3702, 3705, 3708, 3711, 3714, 3717, 3720, 3723, 3726, 3729, 3732, 3735, 3738, 3741, 3744, 3747, 3750, 3753, 3756, 3759, 3762, 3765, 3768, 3771, 3774, 3777, 3780, 3783, 3786, 3789, 3792, 3795, 3798, 3801, 3804, 3807, 3810, 3813, 3816, 3819, 3822, 3825, 3828, 3831, 3834, 3837, 3840, 3843, 3846, 3849, 3852, 3855, 3858, 3861, 3864, 3867, 3870, 3873, 3876, 3879, 3882, 3885, 3888, 3891, 3894, 3897, 3900, 3903, 3906, 3909, 3912, 3915, 3918, 3921, 3924, 3927, 3930, 3933, 3936, 3939, 3942, 3945, 3948, 3951, 3954, 3957, 3960, 3963, 3966, 3969, 3972, 3975, 3978, 3981, 3984, 3987, 3990, 3993, 3996, 3999, 4002, 4005, 4008, 4011, 4014, 4017, 4020, 4023, 4026, 4029, 4032, 4035, 4038, 4041, 4044, 4047, 4050, 4053, 4056, 4059, 4062, 4065, 4068, 4071, 4074, 4077, 4080, 4083, 4086, 4089, 4092, 4095, 4098, 4101, 4104, 4107, 4110, 4113, 4116, 4119, 4122, 4125, 4128, 4131, 4134, 4137, 4140, 4143, 4146, 4149, 4152, 4155, 4158, 4161, 4164, 4167, 4170, 4173, 4176, 4179, 4182, 4185, 4188, 4191, 4194, 4197, 4200, 4203, 4206, 4209, 4212, 4215, 4218, 4221, 4224, 4227, 4230, 4233, 4236, 4239, 4242, 4245, 4248, 4251, 4254, 4257, 4260, 4263, 4266, 4269, 4272, 4275, 4278, 4281, 4284, 4287, 4290, 4293, 4296, 4299, 4302, 4305, 4308, 4311, 4314, 4317, 4320, 4323, 4326, 4329, 4332, 4335, 4338, 4341, 4344, 4347, 4350, 4353, 4356, 4359, 4362, 4365, 4368, 4371, 4374, 4377, 4380, 4383, 4386, 4389, 4392, 4395, 4398, 4401, 4404, 4407, 4410, 4413, 4416, 4419, 4422, 4425, 4428, 4431, 4434, 4437, 4440, 4443, 4446, 4449, 4452, 4455, 4458, 4461, 4464, 4467, 4470, 4473, 4476, 4479, 4482, 4485, 4488, 4491, 4494, 4497, 4500, 4503, 4506, 4509, 4512, 4515, 4518, 4521, 4524, 4527, 4530, 4533, 4536, 4539, 4542, 4545, 4548, 4551, 4554, 4557, 4560, 4563, 4566, 4569, 4572, 4575, 4578, 4581, 4584, 4587, 4590, 4593, 4596, 4599, 4602, 4605, 4608, 4611, 4614, 4617, 4620, 4623, 4626, 4629, 4632, 4635, 4638, 4641, 4644, 4647, 4650, 4653, 4656, 4659, 4662, 4665, 4668, 4671, 4674, 4677, 4680, 4683, 4686, 4689, 4692, 4695, 4698, 4701, 4704, 4707, 4710, 4713, 4716, 4719, 4722, 4725, 4728, 4731, 4734, 4737, 4740, 4743, 4746, 4749, 4752, 4755, 4758, 4761, 4764, 4767, 4770, 4773, 4776, 4779, 4782, 4785, 4788, 4791, 4794, 4797, 4800, 4803, 4806, 4809, 4812, 4815, 4818, 4821, 4824, 4827, 4830, 4833, 4836, 4839, 4842, 4845, 4848, 4851, 4854, 4857, 4860, 4863, 4866, 4869, 4872, 4875, 4878, 4881, 4884, 4887, 4890, 4893, 4896, 4899, 4902, 4905, 4908, 4911, 4914, 4917, 4920, 4923, 4926, 4929, 4932, 4935, 4938, 4941, 4944, 4947, 4950, 4953, 4956, 4959, 4962, 4965, 4968, 4971, 4974, 4977, 4980, 4983, 4986, 4989, 4992, 4995, 4998, 5001, 5004, 5007, 5010, 5013, 5016, 5019, 5022, 5025, 5028, 5031, 5034, 5037, 5040, 5043, 5046, 5049, 5052, 5055, 5058, 5061, 5064, 5067, 5070, 5073, 5076, 5079, 5082, 5085, 5088, 5091, 5094, 5097, 5100, 5103, 5106, 5109, 5112, 5115, 5118, 5121, 5124, 5127, 5130, 5133, 5136, 5139, 5142, 5145, 5148, 5151, 5154, 5157, 5160, 5163, 5166, 5169, 5172, 5175, 5178, 5181, 5184, 5187, 5190, 5193, 5196, 5199, 5202, 5205, 5208, 5211, 5214, 5217, 5220, 5223, 5226, 5229, 5232, 5235, 5238, 5241, 5244, 5247, 5250, 5253, 5256, 5259, 5262, 5265, 5268, 5271, 5274, 5277, 5280, 5283, 5286, 5289, 5292, 5295, 5298, 5301, 5304, 5307, 5310, 5313, 5316, 5319, 5322, 5325, 5328, 5331, 5334, 5337, 5340, 5343, 5346, 5349, 5352, 5355, 5358, 5361, 5364, 5367, 5370, 5373, 5376, 5379, 5382, 5385, 5388, 5391, 5394, 5397, 5400, 5403, 5406, 5409, 5412, 5415, 5418, 5421, 5424, 5427, 5430, 5433, 5436, 5439, 5442, 5445, 5448, 5451, 5454, 5457, 5460, 5463, 5466, 5469, 5472, 5475, 5478, 5481, 5484, 5487, 5490, 5493, 5496, 5499, 5502, 5505, 5508, 5511, 5514, 5517, 5520, 5523, 5526, 5529, 5532, 5535, 5538, 5541, 5544, 5547, 5550, 5553, 5556, 5559, 5562, 5565, 5568, 5571, 5574, 5577, 5580, 5583, 5586, 5589, 5592, 5595, 5598, 5601, 5604, 5607, 5610, 5613, 5616, 5619, 5622, 5625, 5628, 5631, 5634, 5637, 5640, 5643, 5646, 5649, 5652, 5655, 5658, 5661, 5664, 5667, 5670, 5673, 5676, 5679, 5682, 5685, 5688, 5691, 5694, 5697, 5700, 5703, 5706, 5709, 5712, 5715, 5718, 5721, 5724, 5727, 5730, 5733, 5736, 5739, 5742, 5745, 5748, 5751, 5754, 5757, 5760, 5763, 5766, 5769, 5772, 5775, 5778, 5781, 5784, 5787, 5790, 5793, 5796, 5799, 5802, 5805, 5808, 5811, 5814, 5817, 5820, 5823, 5826, 5829, 5832, 5835, 5838, 5841, 5844, 5847, 5850, 5853, 5856, 5859, 5862, 5865, 5868, 5871, 5874, 5877, 5880, 5883, 5886, 5889, 5892, 5895, 5898, 5901, 5904, 5907, 5910, 5913, 5916, 5919, 5922, 5925, 5928, 5931, 5934, 5937, 5940, 5943, 5946, 5949, 5952, 5955, 5958, 5961, 5964, 5967, 5970, 5973, 5976, 5979, 5982, 5985, 5988, 5991, 5994, 5997, 6000, 6003, 6006, 6009, 6012, 6015, 6018, 6021, 6024, 6027, 6030, 6033, 6036, 6039, 6042, 6045, 6048, 6051, 6054, 6057, 6060, 6063, 6066, 6069, 6072, 6075, 6078, 6081, 6084, 6087, 6090, 6093, 6096, 6099, 6102, 6105, 6108, 6111, 6114, 6117, 6120, 6123, 6126, 6129, 6132, 6135, 6138, 6141, 6144, 6147, 6150, 6153, 6156, 6159, 6162, 6165, 6168, 6171, 6174, 6177, 6180, 6183, 6186, 6189, 6192, 6195, 6198, 6201, 6204, 6207, 6210, 6213, 6216, 6219, 6222, 6225, 6228, 6231, 6234, 6237, 6240, 6243, 6246, 6249, 6252, 6255, 6258, 6261, 6264, 6267, 6270, 6273, 6276, 6279, 6282, 6285, 6288, 6291, 6294, 6297, 6300, 6303, 6306, 6309, 6312, 6315, 6318, 6321, 6324, 6327, 6330, 6333, 6336, 6339, 6342, 6345, 6348, 6351, 6354, 6357, 6360, 6363, 6366, 6369, 6372, 6375, 6378, 6381, 6384, 6387, 6390, 6393, 6396, 6399, 6402, 6405, 6408, 6411, 6414, 6417, 6420, 6423, 6426, 6429, 6432, 6435, 6438, 6441, 6444, 6447, 6450, 6453, 6456, 6459, 6462, 6465, 6468, 6471, 6474, 6477, 6480, 6483, 6486, 6489, 6492, 6495, 6498, 6501, 6504, 6507, 6510, 6513, 6516, 6519, 6522, 6525, 6528, 6531, 6534, 6537, 6540, 6543, 6546, 6549, 6552, 6555, 6558, 6561, 6564, 6567, 6570, 6573, 6576, 6579, 6582, 6585, 6588, 6591, 6594, 6597, 6600, 6603, 6606, 6609, 6612, 6615, 6618, 6621, 6624, 6627, 6630, 6633, 6636, 6639, 6642, 6645, 6648, 6651, 6654, 6657, 6660, 6663, 6666, 6669, 6672, 6675, 6678, 6681, 6684, 6687, 6690, 6693, 6696, 6699, 6702, 6705, 6708, 6711, 6714, 6717, 6720, 6723, 6726, 6729, 6732, 6735, 6738, 6741, 6744, 6747, 6750, 6753, 6756, 6759, 6762, 6765, 6768, 6771, 6774, 6777, 6780, 6783, 6786, 6789, 6792, 6795, 6798, 6801, 6804, 6807, 6810, 6813, 6816, 6819, 6822, 6825, 6828, 6831, 6834, 6837, 6840, 6843, 6846, 6849, 6852, 6855, 6858, 6861, 6864, 6867, 6870, 6873, 6876, 6879, 6882, 6885, 6888, 6891, 6894, 6897, 6900, 6903, 6906, 6909, 6912, 6915, 6918, 6921, 6924, 6927, 6930, 6933, 6936, 6939, 6942, 6945, 6948, 6951, 6954, 6957, 6960, 6963, 6966, 6969, 6972, 6975, 6978, 6981, 6984, 6987, 6990, 6993, 6996, 6999, 7002, 7005, 7008, 7011, 7014, 7017, 7020, 7023, 7026, 7029, 7032, 7035, 7038, 7041, 7044, 7047, 7050, 7053, 7056, 7059, 7062, 7065, 7068, 7071, 7074, 7077, 7080, 7083, 7086, 7089, 7092, 7095, 7098, 7101, 7104, 7107, 7110, 7113, 7116, 7119, 7122, 7125, 7128, 7131, 7134, 7137, 7140, 7143, 7146, 7149, 7152, 7155, 7158, 7161, 7164, 7167, 7170, 7173, 7176, 7179, 7182, 7185, 7188, 7191, 7194, 7197, 7200, 7203, 7206, 7209, 7212, 7215, 7218, 7221, 7224, 7227, 7230, 7233, 7236, 7239, 7242, 7245, 7248, 7251, 7254, 7257, 7260, 7263, 7266, 7269, 7272, 7275, 7278, 7281, 7284, 7287, 7290, 7293, 7296, 7299, 7302, 7305, 7308, 7311, 7314, 7317, 7320, 7323, 7326, 7329, 7332, 7335, 7338, 7341, 7344, 7347, 7350, 7353, 7356, 7359, 7362, 7365, 7368, 7371, 7374, 7377, 7380, 7383, 7386, 7389, 7392, 7395, 7398, 7401, 7404, 7407, 7410, 7413, 7416, 7419, 7422, 7425, 7428, 7431, 7434, 7437, 7440, 7443, 7446, 7449, 7452, 7455, 7458, 7461, 7464, 7467, 7470, 7473, 7476, 7479, 7482, 7485, 7488, 7491, 7494, 7497, 7500, 7503, 7506, 7509, 7512, 7515, 7518, 7521, 7524, 7527, 7530, 7533, 7536, 7539, 7542, 7545, 7548, 7551, 7554, 7557, 7560, 7563, 7566, 7569, 7572, 7575, 7578, 7581, 7584, 7587, 7590, 7593, 7596, 7599, 7602, 7605, 7608, 7611, 7614, 7617, 7620, 7623, 7626, 7629, 7632, 7635, 7638, 7641, 7644, 7647, 7650, 7653, 7656, 7659, 7662, 7



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

1



Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$ 

CONFIDENTIALITY: 1

FL/-/4/-/-/R/-/

Scale = .5"/Ft.

**WARNING:** FIBERGLASS REINFORCED CARBON FIBER REINFORCED PLASTIC (FRP) REINFORCEMENT SHALL BE REFERRED TO AS FIBERGLASS REINFORCED CARBON FIBER REINFORCED PLASTIC (FRP) REINFORCEMENT. REFER TO SECTION 03 (BUILDING COMPOSITION) FOR SAFETY INFORMATION. CONSULT WITH THE PROJECT ARCHITECT, REFERRED TO AS THE ARCHITECT, FOR SAFETY PRACTICES PRIOR TO PERFORMING THE WORK. THE ARCHITECT SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CEILING.

Alpine Engineered Products, Inc.

Manes City, FL 33844  
Ticate of / on # 567

**IMPORTANT REMINDER:** A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRESS IN CONFORMANCE WITH THE SPECIFICATIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, AND PROTECTING OF JOBS (AIA/TOTAL DESIGN SPEC., BY AIRTEL) AND TPI-1, AIRTEL.

CONNECTION PLATES ARE MORE OR LESS IDENTICAL TO THE CONNECTION PLATE SHOWN ON PAGER GALEY, STEELER, ARTS & CRAFTS, BUT DIFFERENT FROM THE CONNECTION PLATE SHOWN ON PAGER DALLAS, STEELER, ARTS & CRAFTS.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIRTEL #A3 OF TPI-2 DESIGN SEC.3, FOR THE DRAWING INDICATORS, THE SUFFICIENCY AND PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOWN. THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIRTEL #1 SEC. 3).

Aug 31 '06

TC LL	20.0 PSF	REF	R487 - - 81108
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243206
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	125811
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1T07487_Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

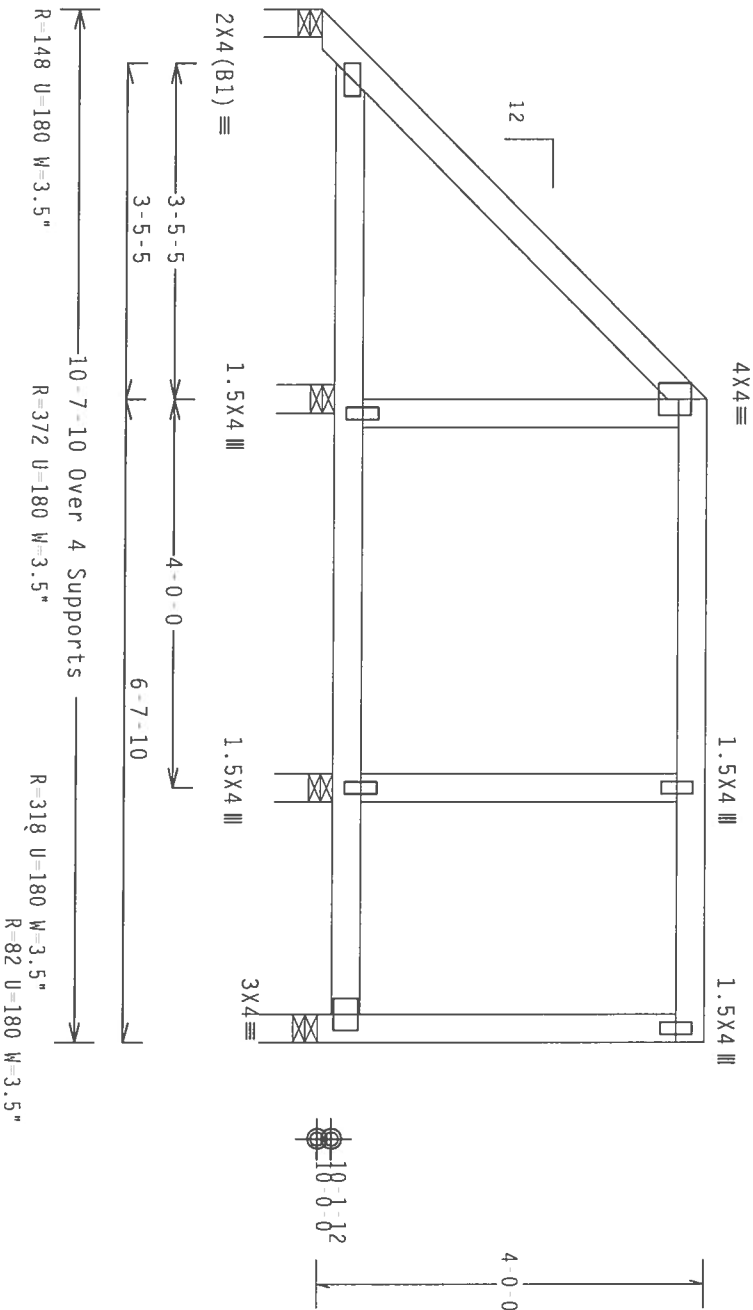
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24

FL/-/4/-/-/R/-

Scale = .5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL 1.03 BUILDING CODES, DETAIL 1.04 TRUSS MANUFACTURING, DETAIL 1.05 TRUSS ERECTION, DETAIL 1.06 TRUSS MAINTENANCE, DETAIL 1.07 TRUSS REMOVAL, DETAIL 1.08 TRUSS STORAGE, DETAIL 1.09 TRUSS DISPOSAL, DETAIL 1.10 TRUSS REPAIR, DETAIL 1.11 TRUSS INSPECTION, DETAIL 1.12 TRUSS TESTING, DETAIL 1.13 TRUSS RECORDS, DETAIL 1.14 TRUSS SAFETY, DETAIL 1.15 TRUSS TRAINING, DETAIL 1.16 TRUSS TOOLS, DETAIL 1.17 TRUSS MATERIALS, DETAIL 1.18 TRUSS EQUIPMENT, DETAIL 1.19 TRUSS PERSONNEL, DETAIL 1.20 TRUSS SCHEDULE. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*IMPORTANT\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2.

ALPINE

Alpine Engineered Products, Inc.  
1990 Marley Drive  
James City, FL 33844  
on #567



TC LL	20.0 PSF	REF	R487 - 81109
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243207
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	125814
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487_203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

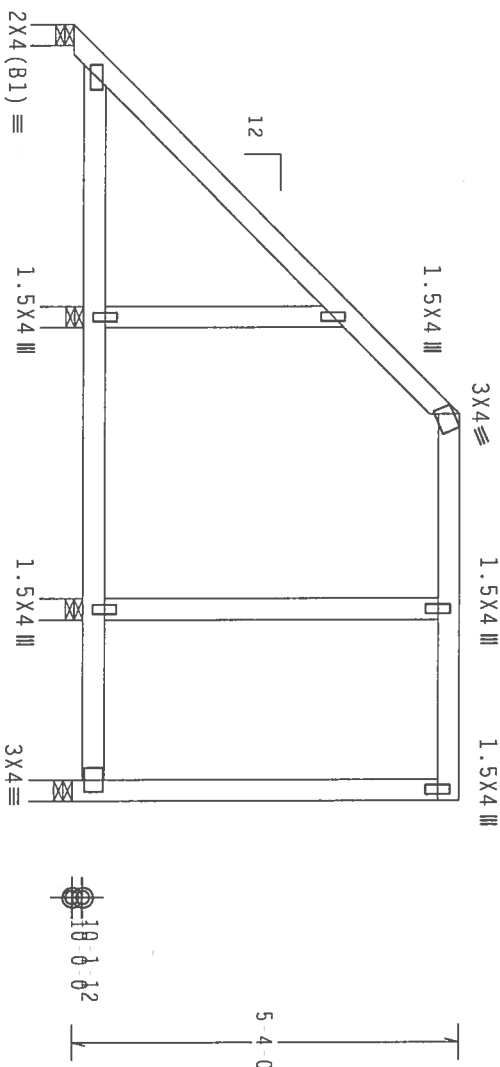
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



3-5-5 4-9-5 4-0-0 5-3-10  
10-7-10 over 4 Supports  
R=135 U=180 W=3.5" R=383 U=180 W=3.5" R=323 U=180 W=3.5"  
R=80 U=180 W=3.5"

PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

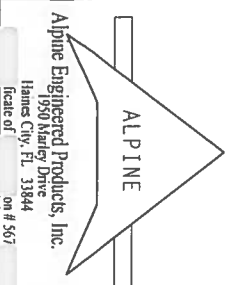
7.24.1

QTY: 1 FL/-/4/-/R/-

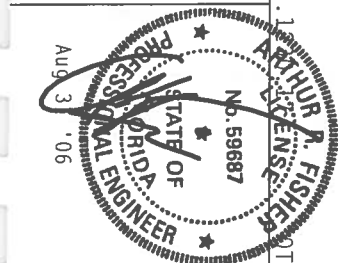
Scale = .375"/ft.

\*\*WARNING\*\* TRUSSES REQUIRING EXTERNAL CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 903 HAWKINS AVE, SUITE 200, FORT WORTH, TEXAS 76102) AND HCSUS (HCSUS TRUSS COMPANY, 1000 E. 10TH AVE, SUITE 100, DENVER, CO 80202). FOR SAFETY PRACTICES, SEE TPI AND HCSUS WEBSITES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/10/16GA (W/H/S/Y) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



Alpine Engineered Products, Inc.  
1690 Marley Drive  
Haines City, FL 33844  
State of  
on #567



TC LL	20.0 PSF	REF	R487--	81110
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCSUR487	06243208
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	125817	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1T07487_203	

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

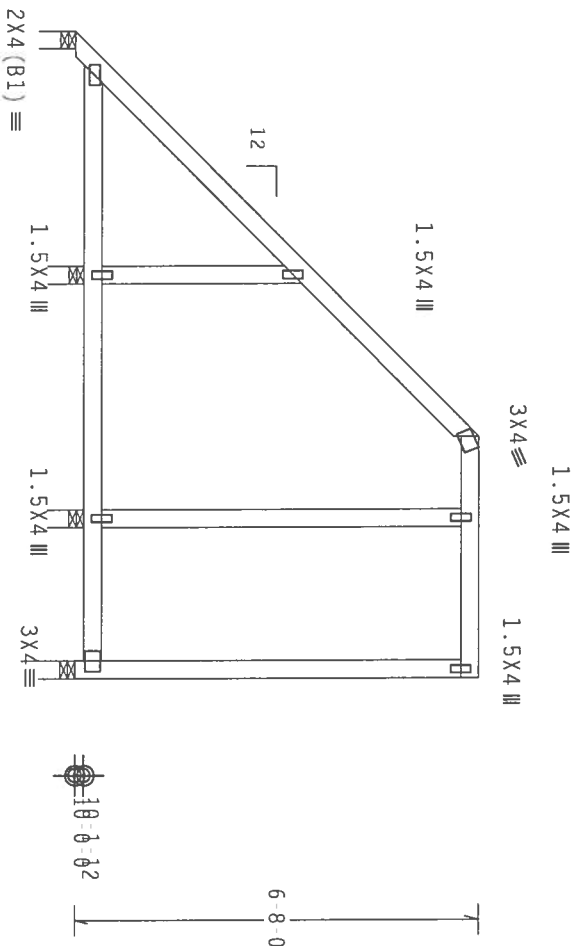
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



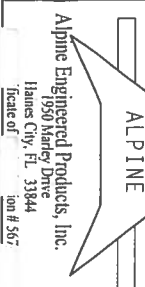
10'-7-10 Over 4 Supports  
R=136 U=180 W=3.5" R=328 U=180 W=3.5"  
R=380 U=180 W=3.5" R=77 U=180 W=3.5"

PLT TYP. Wave

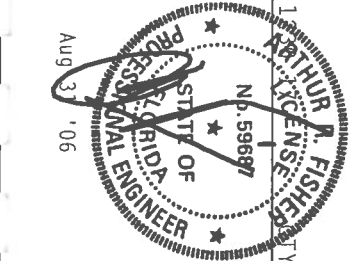
Design crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES INCLUDING COMPLETE SAFETY INFORMATION, PARTS LIST, AND INSTRUCTIONS FOR ERECTION. IN PARTICULAR, SEE THE INSTRUCTIONS FOR THE TRUSS CHORDS AND WEBS. THE TRUSS CHORDS AND WEBS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AREA) AND TPI-2002.



APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING T604-2. ANY INDICATION OF PLATE LOCATION BY (1) SHALL BE PER AREA OF TPI-2002 SEC. 2. A SEAL ON THIS DESIGN INDICATES THE TRUSS IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. THE TRUSS COMPONENTS SHALL BE USED IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS OF THIS COMPANY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 81111
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243209
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SE0N- 125820
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1107487 203

Scale = .3125"/ft.



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

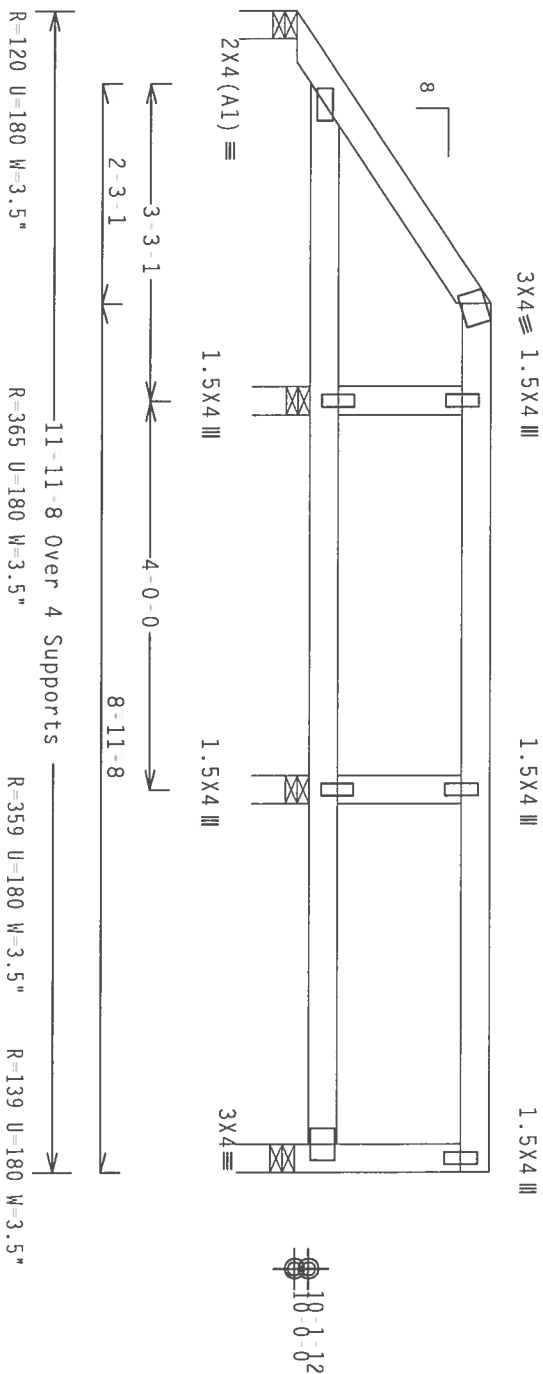
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

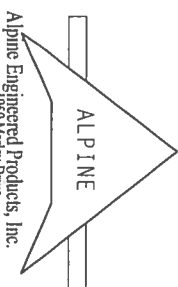
7.24.11

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET IN OR BUILDING COMPONENT SAFETY, INCLUDING TRUSS CONNECT, OF AMERICA, GOOD ENTERPRISE IN MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

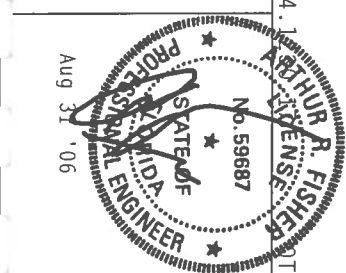
**\*IMPORTANT\*** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/10/1066 (4-11/16) ASH 6050 GRADE 40/60 (4, 6/11, 5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

AN INSPECTION OF PLATS FOLLOWED BY (1) SHALL BE PER AMER 405 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING PLATES OF INSPECTION, ENDORSEMENT RESPONSIBILITY, SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33844  
on #567

Issue of



TC LL	20.0 PSF	REF R487-- 81113
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243211
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 125826
DUR. FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487_203



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

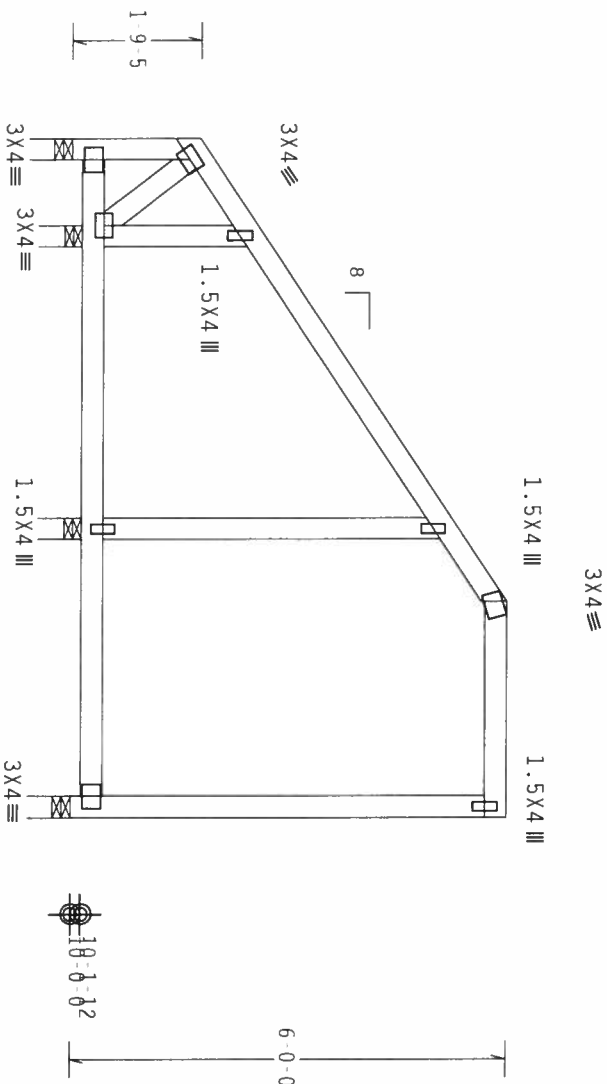
Wind reactions based on MMFRS pressures.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



1'-4.0" 4'-0.0" 2'-11.8"  
6'-4.0" 9'-3.8" Over 4 Supports  
R=18 U=180 W=3.5" R=390 U=180 W=3.5"  
R=275 U=214 W=3.5" R=134 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.18 THUR R. FISHER  
No. 59887  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
Aug 11, 2006

Scale = .375"/ft.

ALPINE				ALPINE			
Alpine Engineered Products, Inc. 1950 Manley Drive Haines City, FL 33844 on #567				Alpine Engineered Products, Inc. 1950 Manley Drive Haines City, FL 33844 on #567			
**WARNING** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO RECI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE) AND TPI (TRUSS PLATE) D-GUARD OR, SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS CONNECTOR OF AMERICA, 6300 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.				**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 20/10/16GA (W-1/8"/5/16") ASTM A575 GRADE 40/60 (W, K/11.5) GALV. STEEL. APPLY CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA 2. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF THE DESIGN BY THE ENGINEER. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF THE DESIGN BY THE ENGINEER. THE SUITABILITY AND USE OF THIS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/111 SEC. 2.			
TC LL	20.0 PSF	REF	R487-- 81115	TC LL	20.0 PSF	REF	R487-- 81115
TC DL	10.0 PSF	DATE	08/31/06	TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243213	BC DL	10.0 PSF	DRW	HCUSR487 06243213
BC LL	0.0 PSF	HC-ENG	JB/AF	BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	125832	TOT.LD.	40.0 PSF	SEQN	125832
DUR.FAC.	1.25	FROM	JP	DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487_203	SPACING	24.0"	JREF	1T07487_203



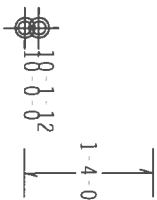




110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.



Scale = .5"/Ft.

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ALPINE ENGINEERED

### BRACING OF TRUSSES.

TP1. ALPINE  
STIFF. APPLY

FOR DRAWINGS 160A-2.

A SEAL ON THIS  
TUBE COMPROMISES  
THE PRODUCT

### POSSIBILITY OF THE

1

Scale of \_\_\_\_\_ on # 567

1. **ARTHUR R. FISHER**  
**ENGINEER**  
 No. 55687  
 STATE OF FLORIDA  
**PROFESSIONAL ENGINEER**  
 Aug 31 '06

TC LL	20.0 PSF	REF	R487 - 81118
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243216
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	125841
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF -	1T07487 203

JRFF- 1T07487 203



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Right end vertical not exposed to wind pressure.



7.24.1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

STATE OF I  
No. 59687  
ARTHUR P. FISHER  
LICENSE

LIBRARY



Aug 31 05

5

11

BUILDING DESIGNER PER AIA/CES 1 SEC. 2.

TC LL	20.0 PSF	REF R487 - 81120
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243218
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON - 125847
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JRFF - 1T07487 Z03

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

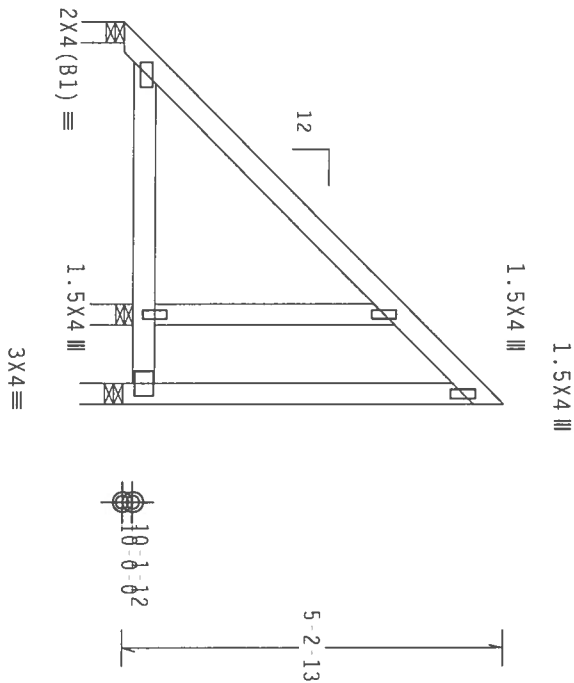
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback  
details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE  
BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.



R=145 U=180 W=3.5"

R=327 U=180 W=3.5"

R=28 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24

FL/-4/-/R/-

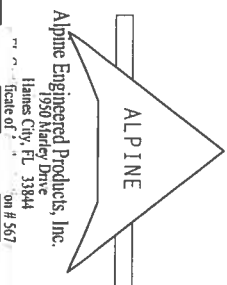
Scale = .375"/ft.

\*\*\*WARNING\*\*\* TRUSSES ALONG EXTERIOR GABLE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH MICHIGAN, SUITE 200, ANN ARBOR, MI 48106-1500. FOR ADDITIONAL INFORMATION, CONTACT THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH MICHIGAN, SUITE 200, ANN ARBOR, MI 48106-1500. FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

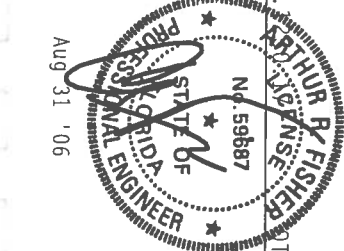
\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (BY AIAA) AND TPI. ALPINE

FACTS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. APPLY FACTS TO EACH FACE OF PLATES FOLLOWED BY (1) SHALL BE THE SAME AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING SHALL BE THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
on #567



TC LL	20.0 PSF	REF	R487--	81121
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243219
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	125850	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF-	IT07487	203



110-mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg; not located within 4.50 ft from roof edge, Cat II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



DESIGN SHOWN. THE SOLARABILITY AND USE OF THIS CONDOMINIUM FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2.

TC LL	20.0 PSF	REF	R487 - 81123
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243221
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	125856
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF-	1T07487 203

Scale of \_\_\_\_\_ on # 567



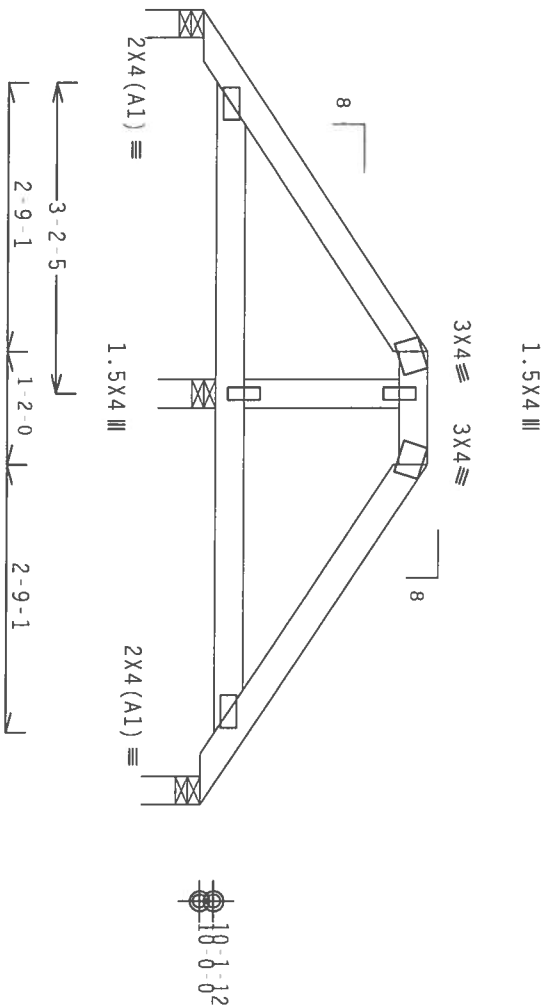
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=55 U=180 W=3.5" R=512 U=180 W=3.5" R=75 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI 2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

FL/-/4/-/R/-

Scale = 5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SUPPORTING, INSTALLING AND BRACING. REFER TO BC31.1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, 6500 ENTERPRISE BLVD, OHIO DR., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE BLVD, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. APPLY CONNECTION PLATES ARE MADE OF 20/18/10GA (W/V/S) ASH A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OR ACCEPTANCE OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT FABRICATOR. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
1950 Marley Drive  
James City, FL 33844  
On # 567



Aug 31 '06

Scale = 5"/ft.

REF R487-81124

TC LL 20.0 PSF

DATE 08/31/06

TC DL 10.0 PSF

DRW HCUR487 06243222

BC DL 10.0 PSF

HC-ENG JB/AF

BC LL 0.0 PSF

SEQN-125859

TOT.LD. 40.0 PSF

FROM JP

DUR.FAC. 1.25

SPACING 24.0"

DRFF-1T07487 203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

89 PLF at 12.67  
TC - From 89 PLF at 12.67 to 89 PLF at 14.17  
BC - From 6 PLF at -1.50 to 6 PLF at 0.00  
BC - From 20 PLF at 0.00 to 20 PLF at 12.67  
BC - From 6 PLF at 12.67 to 6 PLF at 14.17

See DWGS A11015EE0405 & GBLLET1N0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

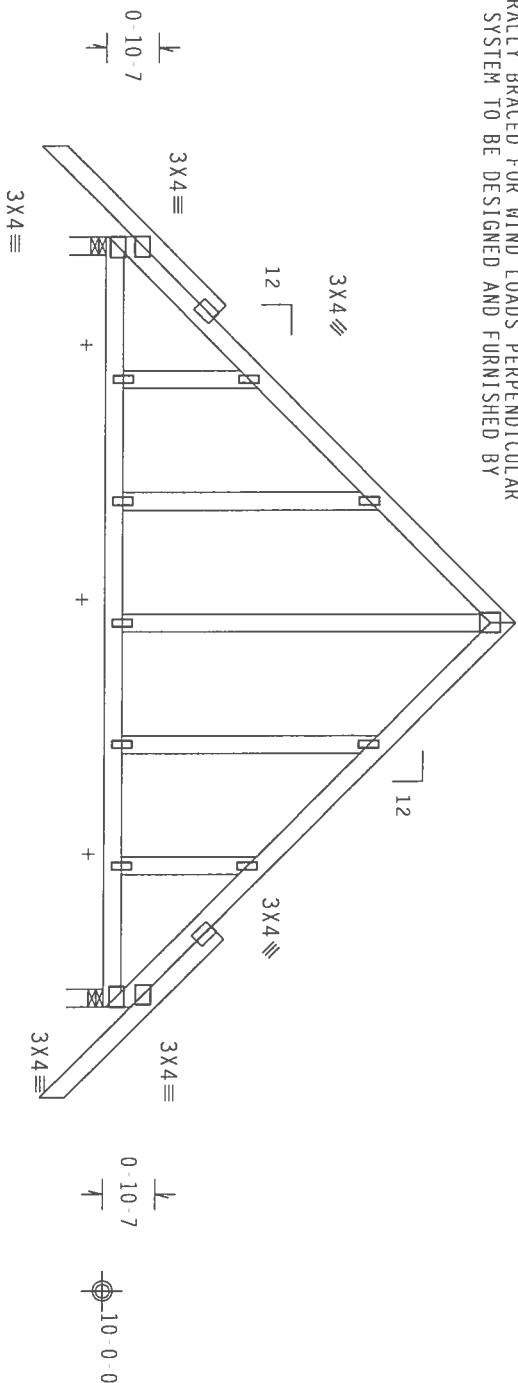
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Wind reactions based on MMFRS pressures.

Dead loads are stated on projected horizontal area basis.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 psf. Top chord must not be cut or notched.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



12-8-0 Over 2 Supports  
R-1040 U=184 W=3.5"  
R-1040 U=184 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.24.1

QTY:1

FL/-/4/-/R/-

Scale = .3125"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXISTING GABLE END BRACING, SHEDDING, SHIPPIING, INSTALLING AND BRACING. REFER TO DETAIL 1.03 BUILDING COMPONENT SAFETY AND SECURITY. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE GABLE END BRACING. THE TRUSS DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

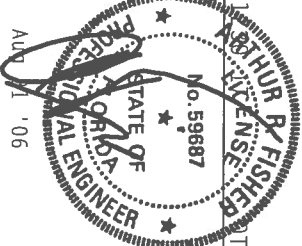
DESIGNATION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 360-10. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE GABLE END BRACING.

DESIGN SHOWN. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE GABLE END BRACING.

DESIGN SHOWN. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE GABLE END BRACING.

Alpine Engineered Products, Inc.  
1950 Marley Drive  
Jasmine City, FL 33844  
on #567

ALPINE



TC LL	20.0 PSF	REF	R487-- 81125
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243223
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	36020 REV
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1T07487 203

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MIFRS pressures.

Deflection meets  $L/360$  live and  $L/240$  total load. Creep increase factor for dead load is 1.50.

 $Cq/RT=1.00(1.25)/10(0)$ 

IDENTIFICATION: 1

FL-141-1-R/-

Scale = .25"/Ft.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

ALPINE ENGINEERED  
STRUCTURE TO BUILD THE  
BRACING OF TRUSSES.  
TPI. ALPINE.

Haines City, FL 33844

Scale of 1 to 5  
# 567

ARTHUR R. FISHER  
LICENSE

**Nº. 59687**

ESTATE OF

Feb 20 1968

# YAMAHA

**STRENGTH**

31.06

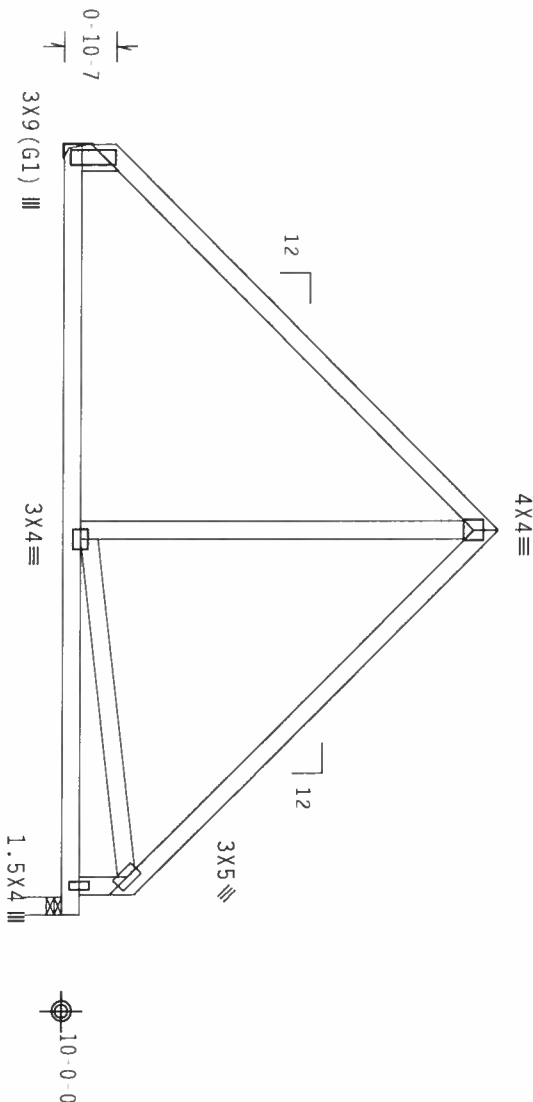
TC LL	20.0 PSF	REF	R487 - 81126
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSUR487 06243168
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT. LD.	40.0 PSF	SEQN	36021
DUR. FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487_203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Lt Studded Wedge 2x8 SP SS:

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MFERS pressures.



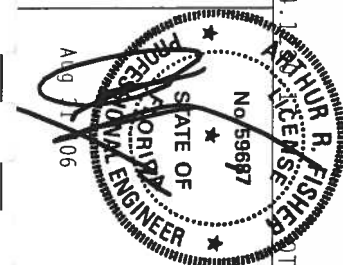
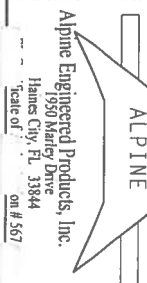
6'-4'-0" 12'-8'-0" Over 2 Supports 6'-4'-0"  
R=559 U=180 R=556 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.24.1

\*\*WARNING\*\* TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BESET TO BUILDING COMPONENT SAFETY INFORMATION, SOLO DOWNSIDE DR., SUITE 200, MADISON, WI 53719 AND APCA (AMERICAN TRUSS COUNCIL OF AMERICA) COUNCIL OFFICE, 1000 N. MICHIGAN, SUITE 100, ANN ARBOR, MI 48106. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI-2002. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A & 160B. CONNECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3.1 OR TPI-2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



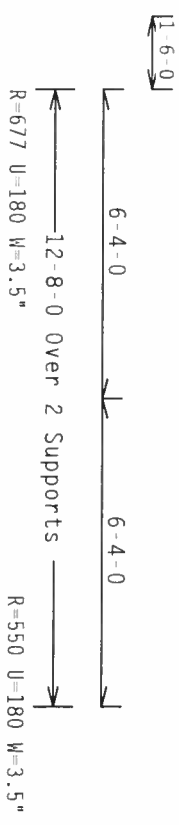
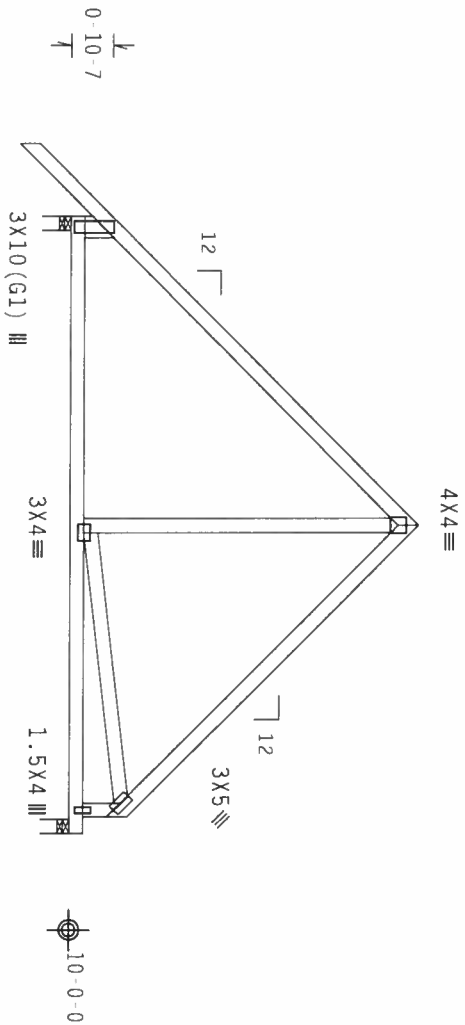
FL/-/4/-/1/R/-		Scale = .3125"/ft.	
TC LL	20.0 PSF	REF	R487-- 81127
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCSR487 06243224
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	125862
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JRFF-	1107487 203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
Stubbed Wedge 2x8 SP SS:

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

Wind reactions based on MWFRS pressures.



PLT TYP. Wave

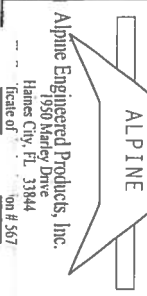
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

QTY: 2 FL/-/4/-/R/-

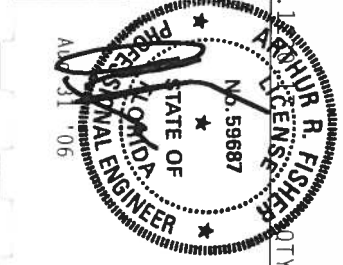
Scale = .25"/ft.

\*\*WARNINGS\*\* THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
RATED BEST LOADS. THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
D-CORROSION OR, SILENT 200. MODISON, MI 53219) AND WITH A GOOD UNDERSTANDING OF THESE INSTRUCTIONS. UNLESS OTHERWISE INDICATED,  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 105 (NATIONAL DESIGN SPEC. BY AIA/PAI) AND TPI-2002(STD). ALPINE  
CONNECTION PLATES ARE MADE OF 70/10/16GA (4.4/5/5) ASTM A653 GRADE 40/60 (4.4/5/5) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED FOR THIS DESIGN, POSITION PER DRAWINGS 160A Z.  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS  
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT  
BUILDING DESIGNER PER ANNEX A3 OF TPI-2002 SEC. 3.



Alpine Engineered Products, Inc.  
Haines City, FL 33844  
Phone # 567



TC LL	20.0 PSF	REF	R487--	81128
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243225
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEON-	36024	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JRFF-	1T07487	203

Top chord 2x4 SP #2 Dense  
Bot chord 2x8 SP SS

W3 2x4 SP #2 Dense:  
W3 2x4 SP #2: BLOCK LENGTH = 1.500'

SPECIAL LOADS

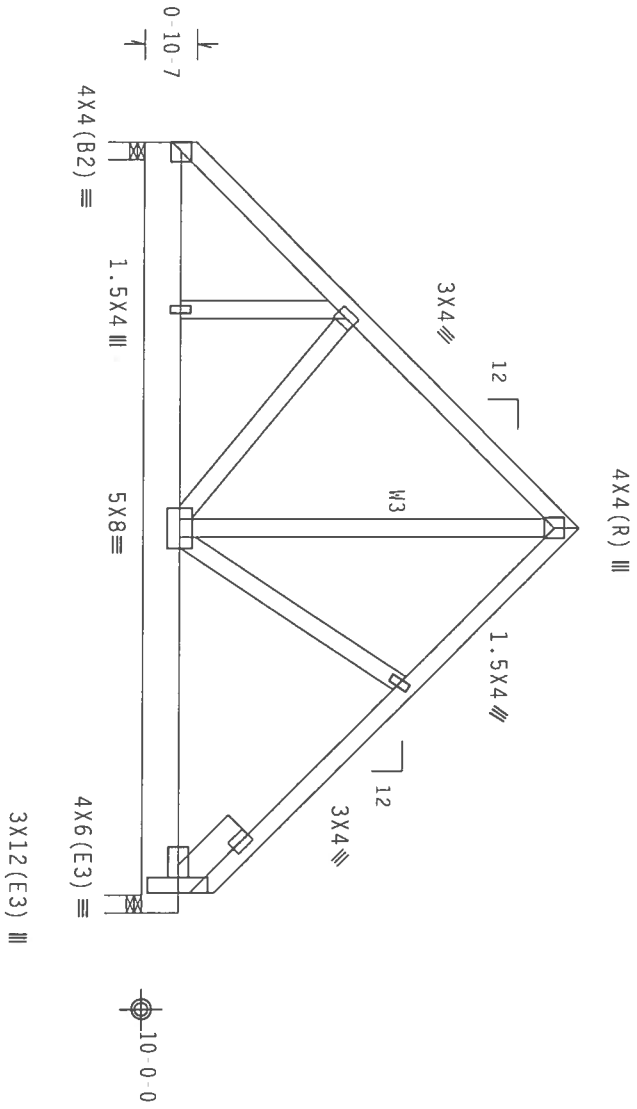
TC - From	68 PLF at 0.00 to 68 PLF at 6.33	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From	68 PLF at 6.33 to 68 PLF at 12.33	
BC - From	20 PLF at 0.00 to 20 PLF at 12.33	
BC - From	80 PLF at 12.33 to 80 PLF at 12.67	
BC - 986 LB Conc.	Load at 2.73	
BC - 754 LB Conc.	Load at 4.73	
BC - 792 LB Conc.	Load at 6.73, 8.73, 10.73	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)\_nails)  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @4.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



6'-4'-0" 12'-8'-0" Over 2 Supports 6'-4'-0"  
R=2559 U=415 W=3.5" R=2673 U=384 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.25

\*\*\*WARNING\*\*\* TRUSSER REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), 3.03 (CONSTRUCTION), 3.04 (INSTALLATION), 3.05 (MAINTENANCE), 3.06 (REPAIRS), 3.07 (MODIFICATION), 3.08 (DEMOLITION), 3.09 (SAFETY PRACTICES), 3.10 (PERFORMING THESE FUNCTIONS), 3.11 (UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING).

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2.

ALPINE  
Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Scale of: on #567

TC LL	20.0 PSF	REF R487-- 81129
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUR487 06243226
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 60060 REV
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	DRFF- 1107487 203

110 mph wind, 22.24 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.06 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Wind reactions based on MIFRS pressures.

Dead loads are stated on projected horizontal area basis.

Truss spaced at 24.0" OC designed to support 1-4 0 top chord  
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord  
must not be cut or notched.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

QTY:1 FL/-/4/-/-/R/-

Scale = .3125" / Ft.


**\*\*IMPORTANT\*\***\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

## CHAPTER 10 BUILD THE FRAMING OF TRUSSES.

Aug 31 '06

SPACING

JRFF - 1T07487 203



)\_nails)

$$(\text{LUMBER DUR.FAC.}=1.25 / \text{PLATE DUR.FAC.}=1.25)$$

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)\_nails)  
 Top Chord: 1 Row @12.00" o.c.  
 Bot Chord: 1 Row @3.00" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails  
 in each row to avoid splitting.

110 mph wind, 22.44 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, Cat II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



7.25.04

TY:1

FL/-/4/-/-/R/-/

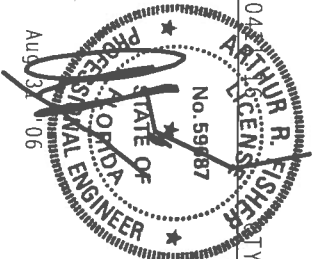
Scale = .3125"/Ft.

Alpine Engineered Products, Inc.

1950 Manley Drive  
 Gaines City, FL 33844  
 ficale of \_\_\_\_\_ on # 567

**\*\*WARNING\*\*** THIS IS A REBIDDING COMPETITIVE BIDDING. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO SECTION 05090 (REINFORCING CONCRETE) INFORMATION. FURNISHED BY TPI (TRENDS PLASTIC INSTITUTE, 563 D ORNDORF RD., SUITE 200, HANOVER, MI 48119) AND MECA (GOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE DR, PLYMOUTH, MI 48170) FOR SAFETY PRACTICES PERTAIN TO REINFORCING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL SHIPMENTS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLEETING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. AIRLIFT ENGINEERED PRODUCTS, INC. SHOULD BE NOTIFIED IMMEDIATELY OF ANY DELAYS OR FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS OR FABRICATING HANDLING, SHIPPING AND STORAGE OF THE TRUSS. DESIGN CONDITIONS WITH APPLICABLE PREVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. CONNECTION PLATES ARE MADE OF 2X10/12x16 (W/H/S/F) ASTM A553 GRADE 40/50 (G, K/H/S) GALV. STEEL. ANCHOR PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS ITEM 2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002 SPEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY OF THE TRUSS COMPONENT INCLUDING DESIGNER PER AMSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 81131
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243228
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SECN	60089 REV
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	URFF	1T07487 203



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 89 PLF at 3.67 to 89 PLF at 8.83  
BC - From 6 PLF at -1.50 to 6 PLF at 0.00  
BC - From 20 PLF at 0.00 to 20 PLF at 7.33  
BC - From 6 PLF at 7.33 to 6 PLF at 8.83

See DWGS A11030EE0405 & GBLT110405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

+ MEMBER TO BE Laterally Braced for Wind Loads Perpendicular to Truss. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

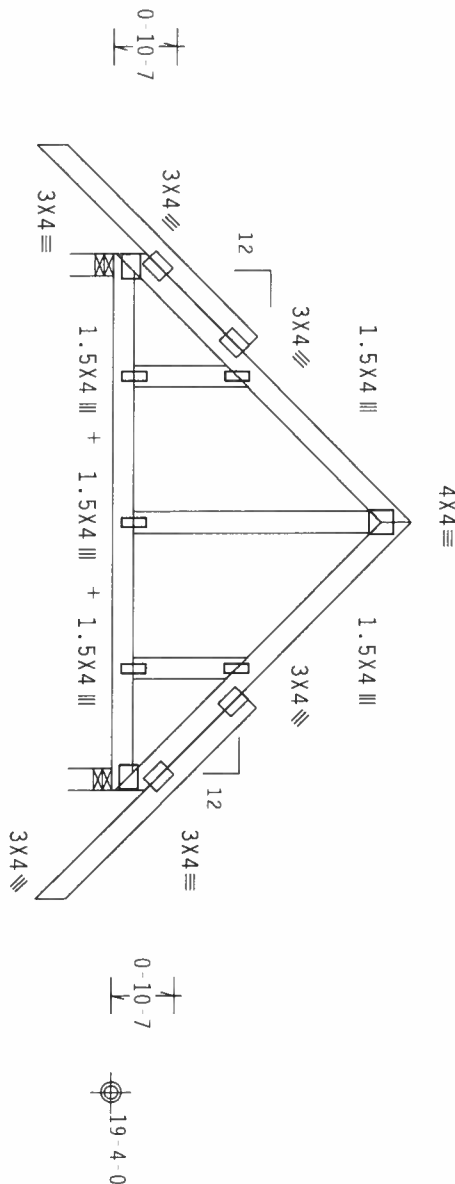
110 mph wind, 21.08 ft mean hgt. ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on WMFRS pressures.

Dead loads are stated on projected horizontal area basis.

Truss spaced at 24.0" OC designed to support 1 4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



PLT TYP. Wave

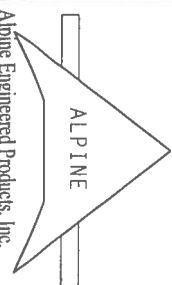
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.

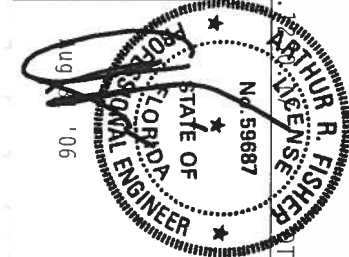
\*\*WARNING\*\* TRUSSES require extreme care in fabrication, handling, shipping, installing and bracing. REFER TO BC31.03 (INCLUDING COMPONENT SAFETY INFORMATION) FOR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. D. OROGRO, DR., SUITE 200, MADISON, WI 53719, AND WICK HOOKS THREE CORNER OF WICKS AND WICKS, WICKS CORP., 1000 WICKS RD., WICKS, MI 48180, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 (STD)/FBC, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI-2002 (STD)/FBC, SHALL BE THE RESPONSIBILITY OF THE USER. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
m 557



TC LL	20.0 PSF	REF	R487 - 81132
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCUSR487 06243229
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	36019 REV
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1T07487 203

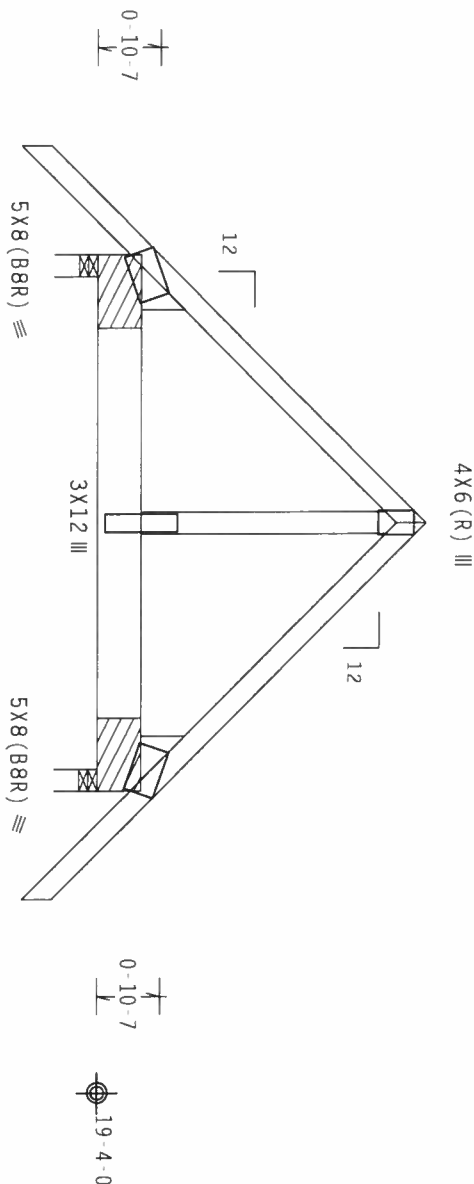
Top chord 2x4 SP #2 Dense  
Bot chord 2x8 SP SS

Weds 2x4 SP #3  
Lt Wedge 2x8 SP SS::Rt Wedge 2x8 SP SS:

110 mph wind, 21.29 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0  
psf.

Girder supports 35-8 0 span to BC one face and 2-0 0 span to TC/BC  
split opposite face.

Bearing blocks: Nail type: 12d Box or Gun (0.128"x3.25" min.) nails  
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE  
1 0.000' 1 12" Match Truss  
2 7.042' 1 12" Match Truss  
Bearing block to be same size and species as bottom chord.  
Refer to drawing CNBRGK1103 for additional information.  
Wind reactions based on MMFRS pressures.  
Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.



1-6-0  
3-8-0  
3-8-0  
1-6-0  
7-4-0 Over 2 Supports  
R=2990 U=503 W=3.5"  
R=2990 U=503 W=3.5"

PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

FL/-/4/-/R/-

Scale = .375"/Ft.

\*\*WARNING\*\* TRUSSES REMOVED EXISTING GABLE TO FABRICATING HANDLING SUPPORTS INSTALLING AND BRACING.  
REFER TO RES 1.01 (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE INSTALLATION, S&P  
CONCRETE DR., SUITE 200, HANSON, MI 48219, AND WCA TRUSS CONSULT OF AMERICA, 6300 ENTERPRISE BL.  
HANSON, MI 48219, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED.  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGHT CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE

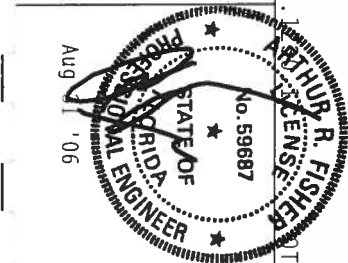
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE

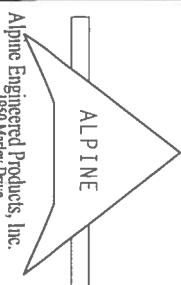
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1004.2.

AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF 10/11/2002 SEC.3. A SEAL ON THIS

DESIGN SHOWN. THE SIGNATURE OF THIS CONTRACTOR FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER AREA/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 81133
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243230
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 36060
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1T07487 203



Alpine Engineered Products, Inc.

1990 Marley Drive

Haines City, FL 33844

in #567

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

SPECIAL LOADS			
-----	(LUMBER	DUR.FAC. = 1.25 /	PLATE DUR.FAC. = 1.25)
TC	From	64 PLF at 1.50 to	64 PLF at 6.17
BC	From	5 PLF at 1.50 to	5 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 4.67
BC	From	5 PLF at 4.67 to	5 PLF at 6.17
TC	54 LB Conc. Load at	2.25,	2.42
BC	15 LB Conc. Load at	2.25,	2.42

Deflection meets L/360 live and L/240 total load. Creep increases factor for dead load is 1.50.

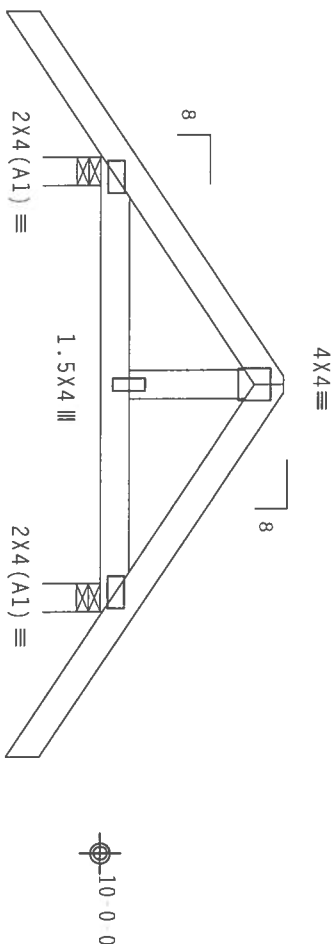


Diagram showing the elevation of a roof structure. The roof has a 2-4-0 pitch. Below the roofline, there is a section labeled "4-8-0 Over 2 Supports" with a width of "R 230 U 180 W 3.5". The total width of the structure is indicated as "1-6-0" on both sides.

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)

 $Cq/RT=1.00(1.25)/10(0)$ 

7.24.1

LICENSEE ID: 1

FL/-/4/-/-/R/-/

Scale = .5"/Ft.



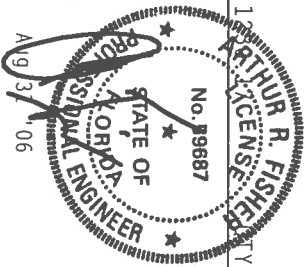
Alpine Engineered Products, Inc.  
1050 Marlow Drive

\* **WARNING**—\* PROSSES RISHOME EXHIBITING CAUSE IN FABRICATION, INSTALLATION, SHIPPING, INSTALLING, AND BRACING REFER TO ACES 1 TO 10 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PAPER INSTITUTE, 5601 DOWBORO RD., SUITE 700, MADISON, WI 53719), AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS JOINTS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS, AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR**

PRIDMORE, INC. IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS LISTING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS LISTING OR FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONSIDERATIONS WITH APPLICABLE PROVISIONS OF UDS (NATIONAL DESIGN SPEC., BY AISC/AAS) AND TPI, ALTHOUGH TRUSSES ARE MADE OF 2014-T3 ALUMINUM (BY AISC/AAS) OR 6061-T6 ALUMINUM (BY AISC/AAS), STEEL OR COMPOSITE MATERIALS ARE MADE OF 2014-T3 ALUMINUM (BY AISC/AAS) OR 6061-T6 ALUMINUM (BY AISC/AAS).

PLATES TO EACH FACE OF BRICKS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMURA AS OF 1911 2002 SEC. 3.3. A SEAL ON THIS PROBING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR DESIGN SIGNOFF. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/APA 11 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 81134
TC DL	10.0 PSF	DATE	08/31/06
BC DL	10.0 PSF	DRW	HCU8R487 06243231
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON	36063
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF	1T07487_203

Top chord 2x4 SP #2 Dense  
Bot chord 2x6 SP #2  
Webs 2x4 SP #3

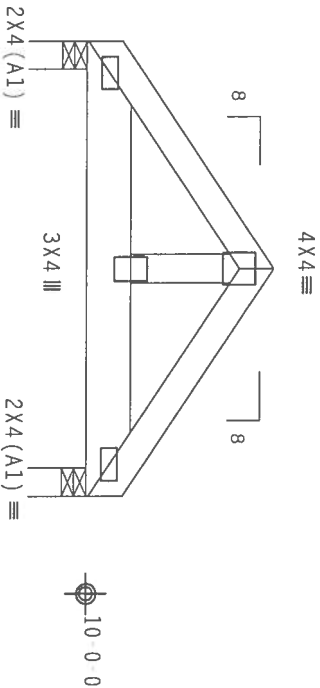
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase  
factor for dead load is 1.50.

SPECIAL LOADS

----- (LUMBER DUR.FAC. 1.25 / PLATE DUR.FAC. 1.25)  
TC - From 64 PLF at 0.00 to 64 PLF at 4.67  
BC - From 20 PLF at 0.00 to 20 PLF at 4.67  
BC - 559 LB Conc. Load at 0.60, 2.60, 4.60

Wind reactions based on MMFRS pressures.



2'-4'-0" 2'-4'-0"  
4'-8'-0" Over 2 Supports  
R-931 U-180 W-3.5" R-1139 U-180 W-3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

\*\*WARNING\*\* TRUSS IS REQUIRED EXISTING GIRT IN FABRICATION. HANDING, SHIPPING, INSTALLING AND BRACING  
REFER TO NCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION). CONSULTED BY TPI TRUSS FABRICATORS  
D-CHORDS DR., SUITE 200, HADISON, NJ 07610 AND WEA (WOOD TRUSS COUNCIL OF AMERICA) GOOD INTERPRETATION  
HADISON, NJ 07610 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,  
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED  
RIGID CEILING.

\*IMPORTANT\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AREA(S) AND TPI. ALPINE  
CONNECTIONS ARE MADE OF 207/17/16 (K=11/5/16) ASH 603 GRADE 40/60 (K=11/5/16) GALV. STEEL. APPLY  
TO THE FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 1600-2.

ANY INSPECTION OF TRUSSES SHALL BE PERFORMED AS OF TPI-2002 SEC.3. A SEAL ON THIS  
DRAWING INDICATES THE ACCEPTANCE OF THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Phone # 567



FL/-/4/-/R/-

Scale = .5"/ft.

TC LL	20.0 PSF	REF R487-- 81135
TC DL	10.0 PSF	DATE 08/31/06
BC DL	10.0 PSF	DRW HCUSR487 06243232
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 36064
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1107487 203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC. 1.25 / PLATE DUR.FAC. 1.25)	
TC From 60 PLF at 0.00 to 60 PLF at 16.67	
BC From 20 PLF at 0.00 to 20 PLF at 16.67	
TC 147 LB Conc. Load at 0.54, 2.54, 4.54, 6.54, 8.54	
BC 10.54, 12.54, 14.54	
BC 57 LB Conc. Load at 0.54, 2.54, 4.54, 6.54, 8.54	
BC 10.54, 12.54, 14.54	

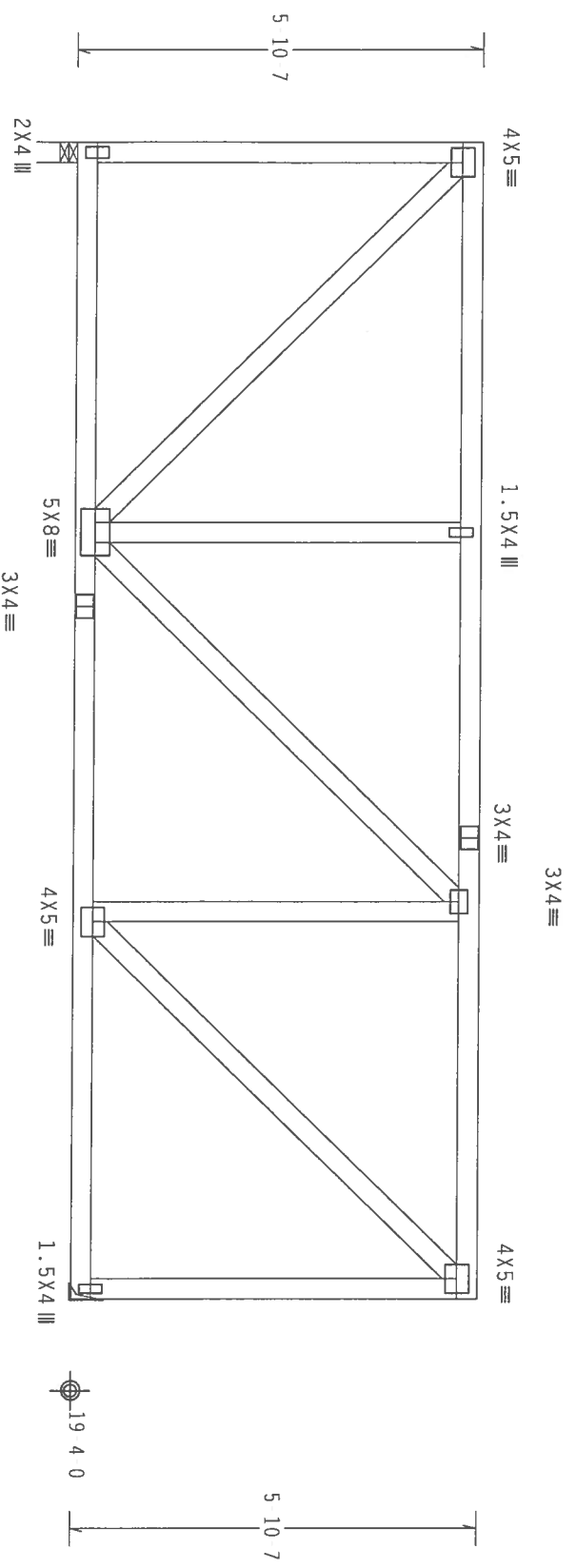
110 mph wind, 25.20 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R 1560 U 416 W 3.5" 16 8 0 Over 2 Supports R 1405 U 374

PLT TYP. Wave

Design Crit: TPI 2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

7.25.0

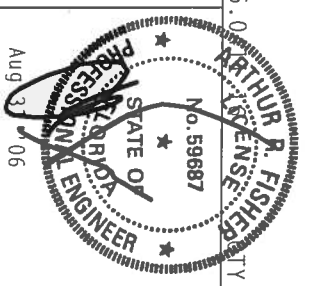
Scale = .375"/ft.

ALPINE

Alpine Engineered Products, Inc.  
1950 Karley Drive  
Haines City, FL 33844  
Phone: 888.367.3677

**\*\*WARNING\*\*** TRUSSES REMAINING EXPOSED TO WEATHERING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC), 1100 LEXINGTON AVENUE, NEW YORK, NY 10017-2100, AND AISC HANDBOOK OF STEEL DESIGN, 14TH EDITION, 2000, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. UNLESS OTHERWISE INDICATED, PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC), 1100 LEXINGTON AVENUE, NEW YORK, NY 10017-2100, AND AISC HANDBOOK OF STEEL DESIGN, 14TH EDITION, 2000, SHALL BE THE BASIS FOR THE DESIGN. POSITION PER DRAWINGS 1604-Z. ANY INSPECTION OF THE TRUSS SHALL BE PERFORMED BY THE DESIGNER OR HIS REPRESENTATIVE. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND CONSTRUCTION OF THE TRUSS FOR THE TRUSS COMPANY'S BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487--	81136
TC DL	10.0 PSF	DATE	08/31/06	
BC DL	10.0 PSF	DRW	HCUSR487	06243233
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEQN-	60083	REV
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF-	1T07487	203





## MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



### MINIMUM NAIL SPACING DISTANCES

THIS DRAWING REPLACES DRAWING B139 AND CNBRCBLK06999

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGblk1103
-ENG	SJP/KAR

-ENG SJP/KAR



# CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

## NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

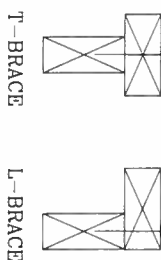
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(\*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

## T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE ATTACH WITH 16d NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

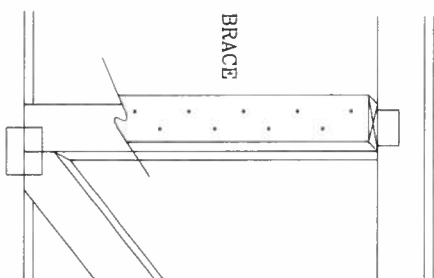
T-BRACE OR L-BRACE



## SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

SCAB BRACE



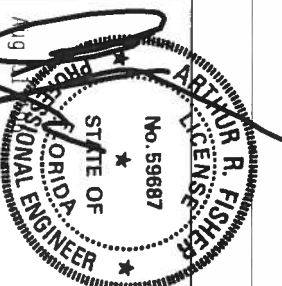
THIS DRAWING REPLACES DRAWING 579,640

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDREID DR., SUITE 200, MADISON, WI 53719) AND AISC (AISC TRUSS COUNCIL, 1801 MARKET STREET, PITTSBURGH, PA 15222) FOR SAFETY PRACTICES PRIOR TO PERFORMING FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. ALL TRUSS CHORDS SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. FOR WOOD CONSTRUCTION AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (V.H./S.K) ASTM A653 GRADE 50 STEEL. STEEL BRACING PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, BRACING PLATES SHALL BE INSTALLED IN THE MIDDLE OF THE TRUSS CHORD. THE DESIGNER SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. SEAL ON THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

GROUP A:

SPRUCE-PINE-FIR

#1 / #2	STANDARD
#3	STUD

Douglas Fir-Larch

#3	
STUD	
STANDARD	

HEN-FIR

#2	STUD
#3	STANDARD

SOUTHERN PINE

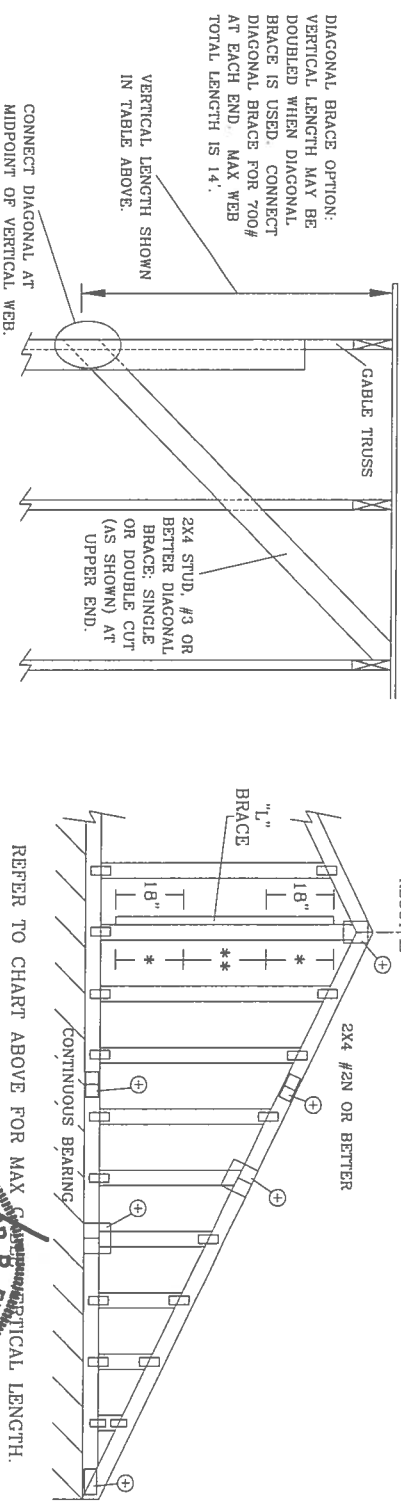
#3	
STUD	
STANDARD	

HEM-FIR		DOUGLAS FIR-LARCH	
#1	#1	#1	#1
#2	#2	#2	#2

LIVE LOAD DEFLECTION CRITERIA IS  $L/240$ .  
 PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER  
 CONTINUOUS BEARING (5 PSF TC DEAD LOAD).  
 GABLE END SUPPORTS LOAD FROM 4' 0"  
 OUTLOOKERS WITH 2' 0" OVERHANG, OR 12"  
 PLYWOOD OVERHANG.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR  
PEAK, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX CUMULATIVE LENGTH

\*\*\*WARNING\*\*\*: TROSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNDIG RD., SUITE 200, MADISON, WI 53719) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, SUITE 1700, CHICAGO, IL 60610) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**ALPINE**

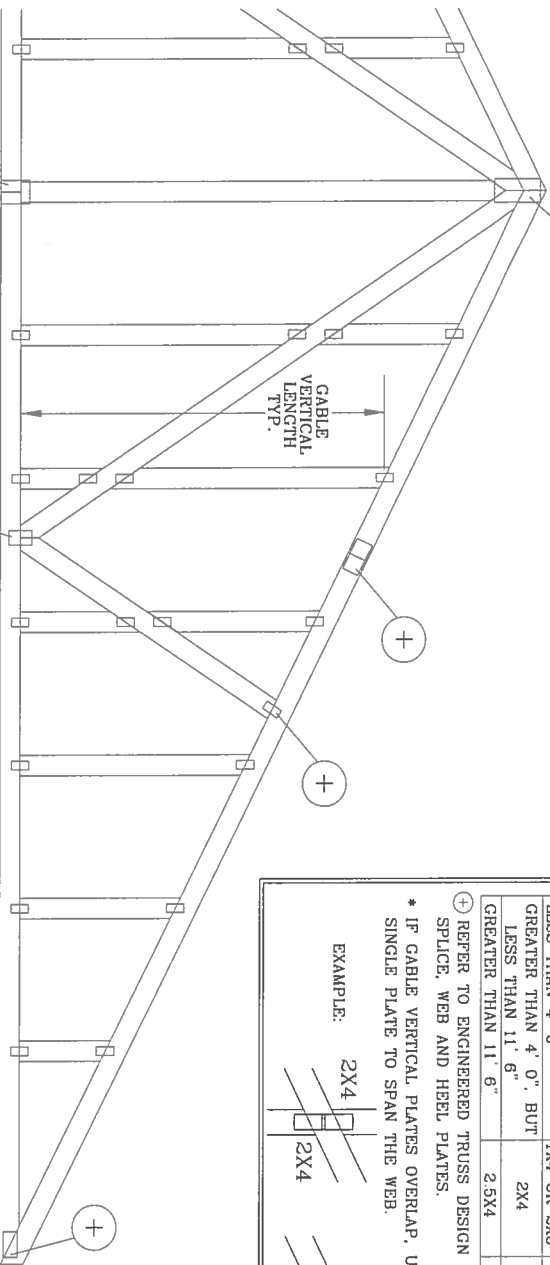
**ALPINE ENGINEERED PRODUCTS, INC.**  
POMPAHO BEACH, FLORIDA

**\*\*\*IMPORTANT\*\*\*** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FACTORING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (CONDITIONAL DESIGN BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16/64 CY/H/S/40 ASTM A653 GRADE 40/60 CY/H/S/40 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED BY 40/60 CY/H/S/40 GALV. STEEL ANGLES 16062. ANY SELECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI-1-2002 SPEC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS. DESIGNER'S SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2

REF	ASCE7-02-CAB11030
DATE	04/14/05
DRWG	A11030EE0405
-ENG	
MAX. TOT. LD. 60 PSF	
MAX SPACING 24.0"	

# CABLE DETAIL FOR LET-IN VERTICALS

SYM. ABOUT C

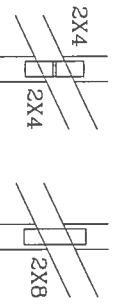


CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X8	
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2.5X4	2.5X8	

\* REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

\* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

- (4) 16d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS
- (4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

CUN DRIVEN NAIL:

- 8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
- (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

- ASCE 7-93 GABLE DETAIL, DRAWINGS
- A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
- A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
- ASCE 7-98 GABLE DETAIL, DRAWINGS
- A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103
- A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103
- ASCE 7-02 GABLE DETAIL, DRAWINGS
- A13015EC0405, A12015EC0405, A11015EC0405, A10015EC0405, A08015EC0405, A13030EC0405, A12030EC0405, A11030EC0405, A10030EC0405, A08030EC0405

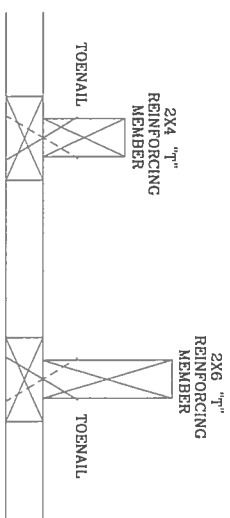
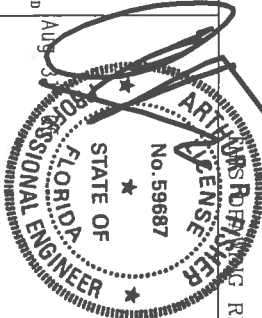
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 593 DOWNSIDE DR., SUITE 200, MADISON, WI 53719 AND VICA (VIRGINIA COMMONWEALTH COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, INCLUDING, BUT NOT LIMITED TO, BUILDING THE TRUSS IN CONFORMANCE WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR BRACING OF TRUSSES. DESIGN CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (V4/V5/4) ASTM A653 GRADE 40/60 (V4/V5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PERFORMED BY A TPI 1-2008 SEC. 3 A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC 2

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

## WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:  
ASCE WIND SPEED = 100 MPH  
MEAN ROOF HEIGHT = 30 FT  
GABLE VERTICAL = 24' O.C. SP #3  
"T" REINFORCING MEMBER SIZE = 2X4  
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10  
(1) 2X4 "L" BRACE LENGTH = 6' 7"  
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTIN0405
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

# PIGGYBACK DETAIL

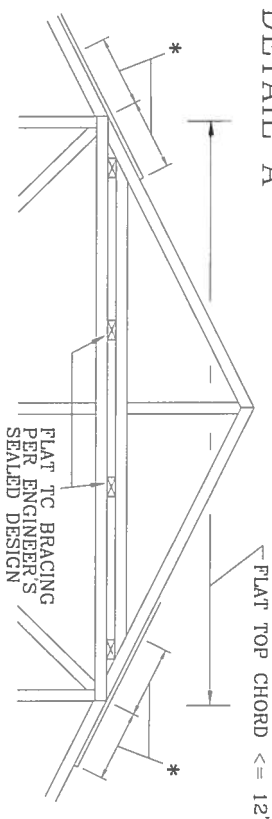
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG.  
LOCATED ANYWHERE IN ROOF, CAT II, EXP C,  
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SRC,  
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF  
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,  
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,  
EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

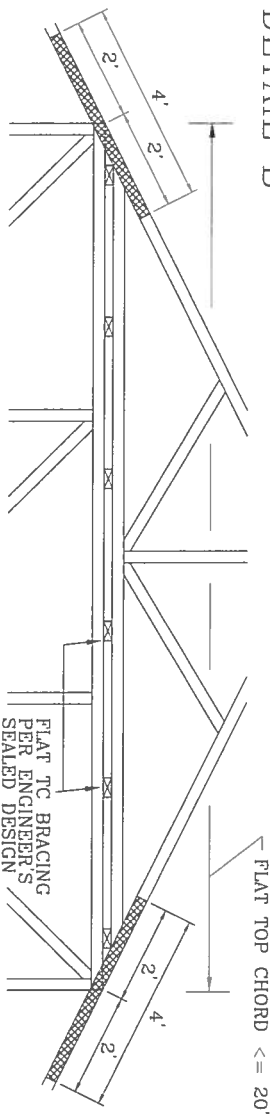
## DETAIL A



PIGGYBACK CAP TRUSS TOENAILLED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

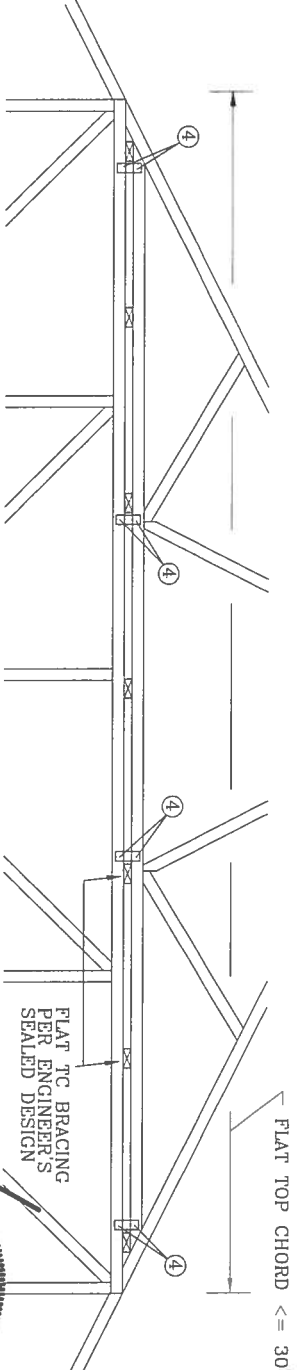
\* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

## DETAIL B



PIGGYBACK CAP TRUSS TOENAILLED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

## DETAIL C



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES. ATTACH WITH (6) 8d COMMON NAILS PER GUSSET. (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

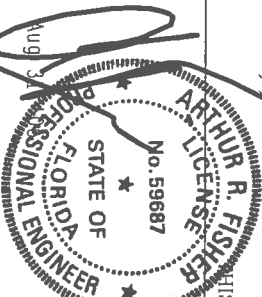
THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DOWDRIO DR., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONNECTORS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PERFORMED AS OF 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND USE OF THIS COMPONENT. THE TRUSS COMPONENT DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2



TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	04/14/05
BC DL	PSF	DRWG	PIGGYBACK0405
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

TOP CHORD 2X4 #2 OR BETTER  
BOT CHORD 2X4 #2 OR BETTER  
WEBS 2X4 #3 OR BETTER

# PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG,

LOCATED ANYWHERE IN ROOF, CAT II, EXP C,

WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC

ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

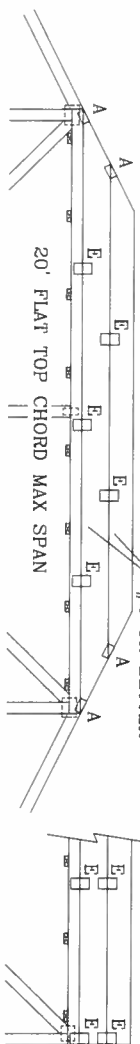
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099" X 2" MIN) NAILS PER GUSSET.  
(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

(4) 6d BOX (0.099" X 2" MIN) NAILS.

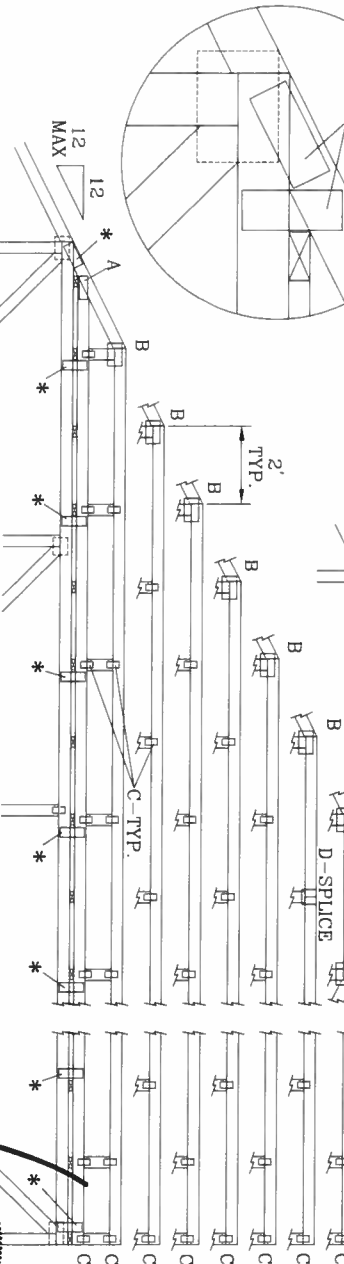
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.



EITHER PLATE LOCATION IS ACCEPTABLE

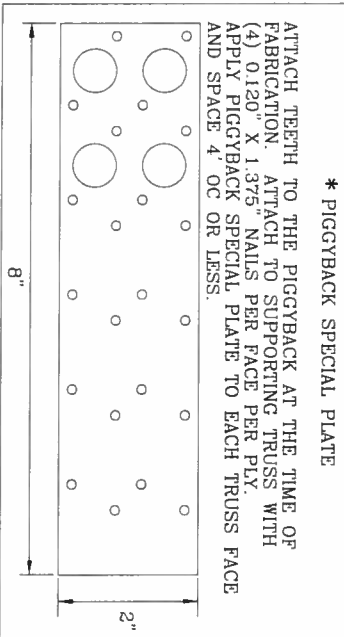
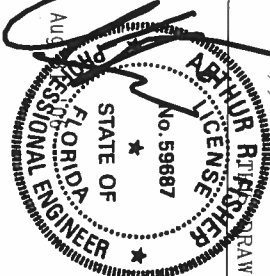
OPTIONAL SPLICE



ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

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\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDUCTOR PLATES ARE APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. AT 4' BRG AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/E) ASTM A653 GRADE 50 STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

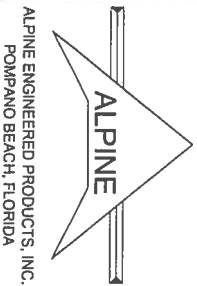


\* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.

WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 6d BOX (0.113" X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4" OC.

MAX LOADING	REF	PIGGYBACK
55 PSF AT	DATE	04/14/05
1.33 DUF. FAC.	DRWG	PIGGYBACK0405
50 PSF AT	ENG	DLJ/KAR
1.25 DUF. FAC.		
47 PSF AT		
1.15 DUF. FAC.		
SPACING		24.0"

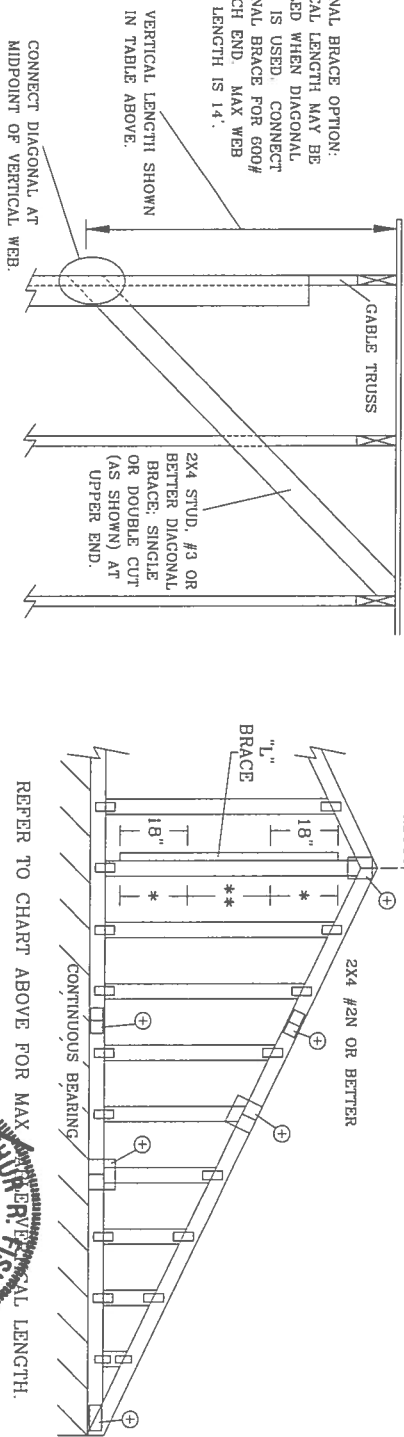


ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

2x4 GABLE VERTICAL BRACE		NO BRACES		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
GABLE VERTICAL SPACING	SPECIES	GRADE	BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
	STUD	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
	HF	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP	#1	4' 3"	6' 8"	6' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
	DFL	#2	4' 2"	6' 8"	6' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 10"	7' 8"	6' 4"	8' 4"	8' 4"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#2	4' 6"	7' 8"	6' 4"	8' 3"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	STUD	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	4' 10"	7' 8"	6' 4"	8' 4"	8' 4"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#2	4' 6"	7' 8"	6' 4"	8' 3"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"

## MAX GABLE VERTICAL LENGTH



DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

### GABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240.
- PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
- ATTACH EACH "L" BRACE WITH 10d NAILS.
- \* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
- \*\* FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2.5x4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-CAB11015  
DATE 04/15/05  
DRWG A11015EE0405  
-ENG

