

Majorie Lott Add.

V4

V3

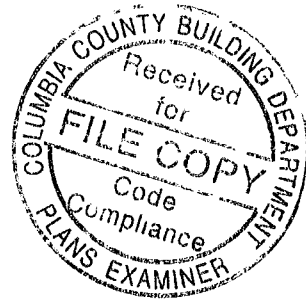
V2

V1

A

ADG

Total Plan Area with OHs = 353 sq. ft
Roof Plane Sheathing Area = 372 sq. ft
Total Truss Quantity = 13.



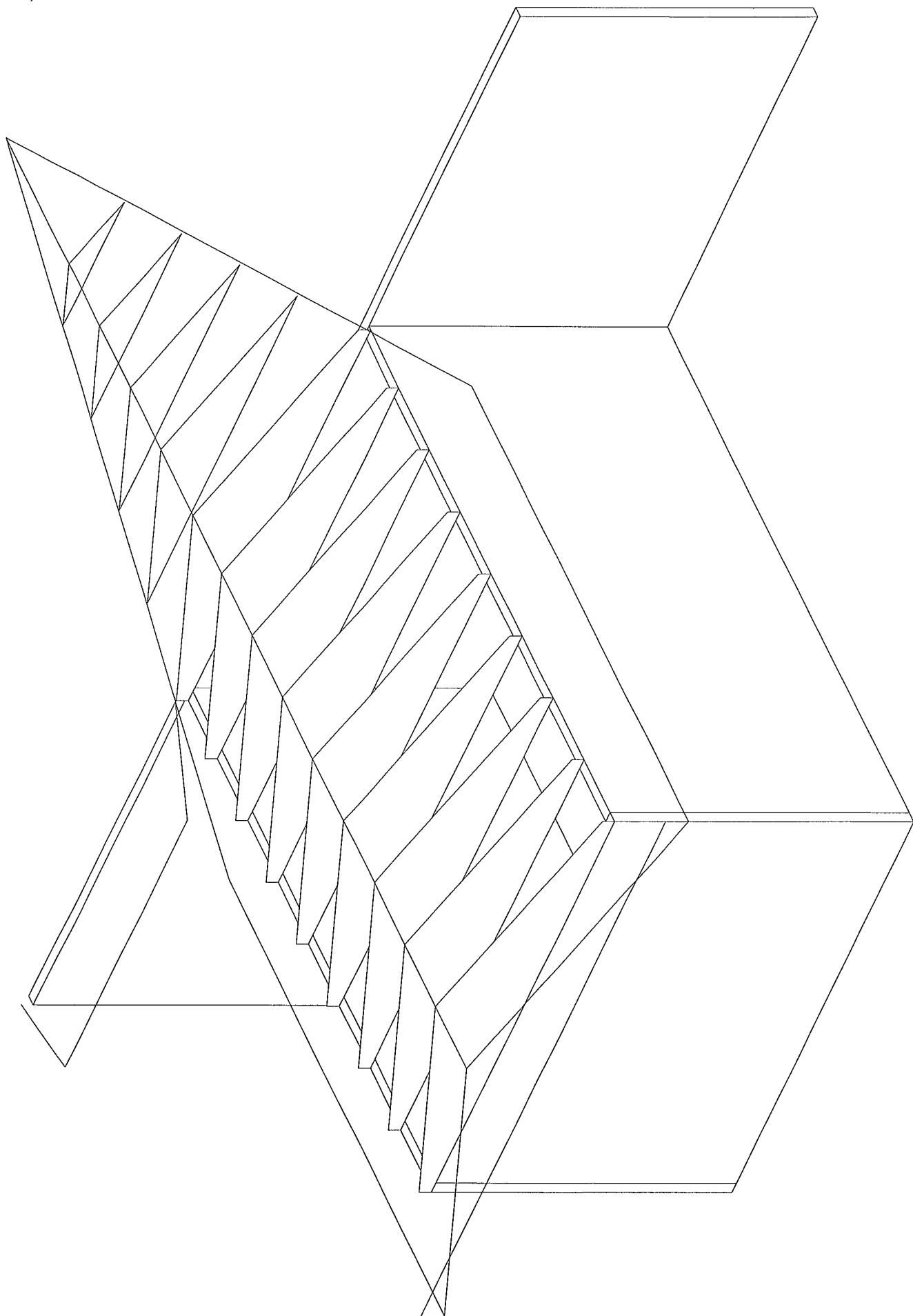
PlanName
Created 07-17-2013

JOB DESCRIPTION Restoration Specialists
ADDRESS / Majorie Lott add
JOB # Q-110
DESIGNER Curt V Burlingame
SALESMAN Curt V Burlingame

JOB NO
Q-110

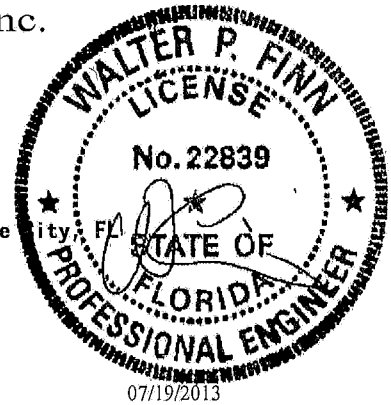
PAGE NO
1 OF 1





ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1UY1487-Z0219133408



Truss Fabricator **Anderson Truss Company**
Job Identification **13-207--Restoration Specialists Majorie Lott add. -- Lake**
Truss Count **6**
Model Code **Florida Building Code 2010**
Truss Criteria **FBC2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Version 12.03.**
Structural Engineer of Record **The identity of the structural EOR did not exist as of**
Address **the seal date per section 61615-31.003(5a) of the FAC**
Minimum Design Loads **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

Notes

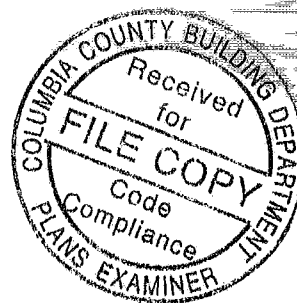
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 12015EC1-GBLLETIN-GABRST10-VAL16010-

#	Ref	Description	Drawing#	Date
1	81613--A	12' Common	13200001	07/19/13
2	81614--ADG	12' Gable	13200002	07/19/13
3	81615-V1	9' 11" 6 Valley	13200003	07/19/13
4	81616-V2	7' 11" 6 Valley	13200004	07/19/13
5	81617-V3	5' 11" 6 Valley	13200005	07/19/13
6	81618-V4	3' 11" 6 Valley	13200006	07/19/13



(13-207--Restoration Specialists Majorie Lott add -- Lake City, FL - A 12' Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Top chord 2x4 SP #1 12A
Bot chord 2x4 SP 2850F-2 3E
Webs 2x4 SP #3 12A

Lumber grades designated with '12A' use design values approved 1/5/2012 by ALSC

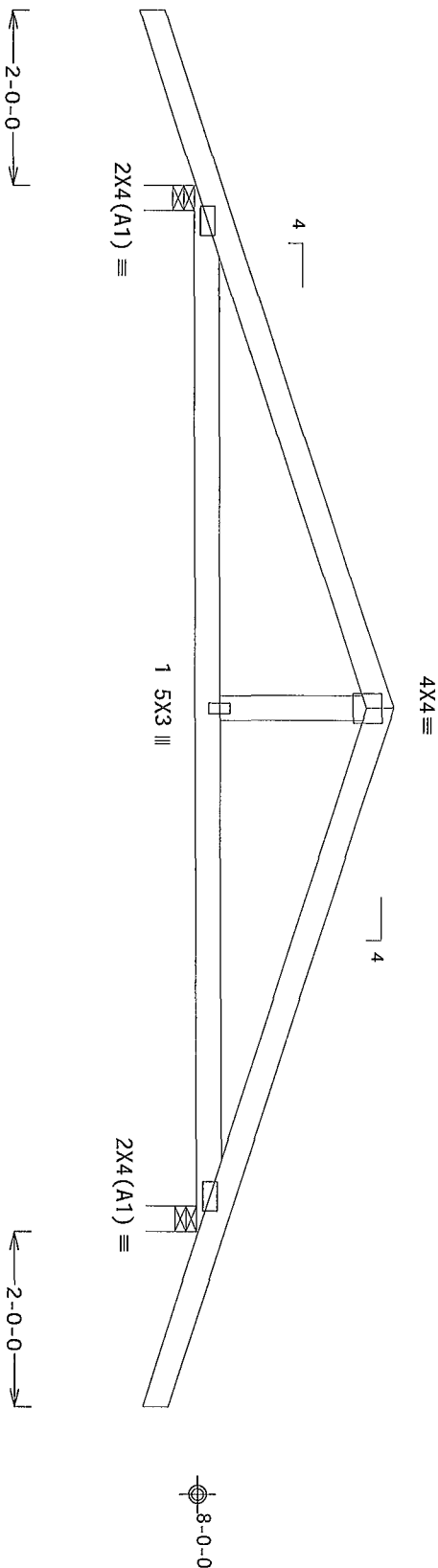
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf $GCP(+-)=0.18$

Wind loads and reactions based on MMFRS with additional C&C member design

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50



2-0-0 6-0-0 12-0-0 Over 2 Supps 2-0-0
R=566 U=35 W=3.5' (3.5' min)
RL=44/-44
R=566 U=35 W=3.5' (3.5' min)

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007 (S12)
FT/RT=10%(0%)/0(0)

No. 22839
12 03 04 06 14

FL/-/3/-/-/R/-

Scale = .5"/Ft

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Safety Information) by TPI and WTC. For more information on proper handling, shipping, installing and bracing, refer to the BCSI manual. Unless noted otherwise, no top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locate one shown for permanent lateral restraint of shall have bracing installed per BCSI section 83.87 or 810 as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any failure to build the truss in conformance with ANSI/TP1-1 or for handling, shipping, installing or bracing. It is the responsibility of the contractor to ensure that the truss is installed and braced in accordance with the design. Refer to drawings 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100, 1604-101, 1604-102, 1604-103, 1604-104, 1604-105, 1604-106, 1604-107, 1604-108, 1604-109, 1604-110, 1604-111, 1604-112, 1604-113, 1604-114, 1604-115, 1604-116, 1604-117, 1604-118, 1604-119, 1604-120, 1604-121, 1604-122, 1604-123, 1604-124, 1604-125, 1604-126, 1604-127, 1604-128, 1604-129, 1604-130, 1604-131, 1604-132, 1604-133, 1604-134, 1604-135, 1604-136, 1604-137, 1604-138, 1604-139, 1604-140, 1604-141, 1604-142, 1604-143, 1604-144, 1604-145, 1604-146, 1604-147, 1604-148, 1604-149, 1604-150, 1604-151, 1604-152, 1604-153, 1604-154, 1604-155, 1604-156, 1604-157, 1604-158, 1604-159, 1604-160, 1604-161, 1604-162, 1604-163, 1604-164, 1604-165, 1604-166, 1604-167, 1604-168, 1604-169, 1604-170, 1604-171, 1604-172, 1604-173, 1604-174, 1604-175, 1604-176, 1604-177, 1604-178, 1604-179, 1604-180, 1604-181, 1604-182, 1604-183, 1604-184, 1604-185, 1604-186, 1604-187, 1604-188, 1604-189, 1604-190, 1604-191, 1604-192, 1604-193, 1604-194, 1604-195, 1604-196, 1604-197, 1604-198, 1604-199, 1604-200, 1604-201, 1604-202, 1604-203, 1604-204, 1604-205, 1604-206, 1604-207, 1604-208, 1604-209, 1604-210, 1604-211, 1604-212, 1604-213, 1604-214, 1604-215, 1604-216, 1604-217, 1604-218, 1604-219, 1604-220, 1604-221, 1604-222, 1604-223, 1604-224, 1604-225, 1604-226, 1604-227, 1604-228, 1604-229, 1604-230, 1604-231, 1604-232, 1604-233, 1604-234, 1604-235, 1604-236, 1604-237, 1604-238, 1604-239, 1604-240, 1604-241, 1604-242, 1604-243, 1604-244, 1604-245, 1604-246, 1604-247, 1604-248, 1604-249, 1604-250, 1604-251, 1604-252, 1604-253, 1604-254, 1604-255, 1604-256, 1604-257, 1604-258, 1604-259, 1604-260, 1604-261, 1604-262, 1604-263, 1604-264, 1604-265, 1604-266, 1604-267, 1604-268, 1604-269, 1604-270, 1604-271, 1604-272, 1604-273, 1604-274, 1604-275, 1604-276, 1604-277, 1604-278, 1604-279, 1604-280, 1604-281, 1604-282, 1604-283, 1604-284, 1604-285, 1604-286, 1604-287, 1604-288, 1604-289, 1604-290, 1604-291, 1604-292, 1604-293, 1604-294, 1604-295, 1604-296, 1604-297, 1604-298, 1604-299, 1604-300, 1604-301, 1604-302, 1604-303, 1604-304, 1604-305, 1604-306, 1604-307, 1604-308, 1604-309, 1604-310, 1604-311, 1604-312, 1604-313, 1604-314, 1604-315, 1604-316, 1604-317, 1604-318, 1604-319, 1604-320, 1604-321, 1604-322, 1604-323, 1604-324, 1604-325, 1604-326, 1604-327, 1604-328, 1604-329, 1604-330, 1604-331, 1604-332, 1604-333, 1604-334, 1604-335, 1604-336, 1604-337, 1604-338, 1604-339, 1604-340, 1604-341, 1604-342, 1604-343, 1604-344, 1604-345, 1604-346, 1604-347, 1604-348, 1604-349, 1604-350, 1604-351, 1604-352, 1604-353, 1604-354, 1604-355, 1604-356, 1604-357, 1604-358, 1604-359, 1604-360, 1604-361, 1604-362, 1604-363, 1604-364, 1604-365, 1604-366, 1604-367, 1604-368, 1604-369, 1604-370, 1604-371, 1604-372, 1604-373, 1604-374, 1604-375, 1604-376, 1604-377, 1604-378, 1604-379, 1604-380, 1604-381, 1604-382, 1604-383, 1604-384, 1604-385, 1604-386, 1604-387, 1604-388, 1604-389, 1604-390, 1604-391, 1604-392, 1604-393, 1604-394, 1604-395, 1604-396, 1604-397, 1604-398, 1604-399, 1604-400, 1604-401, 1604-402, 1604-403, 1604-404, 1604-405, 1604-406, 1604-407, 1604-408, 1604-409, 1604-410, 1604-411, 1604-412, 1604-413, 1604-414, 1604-415, 1604-416, 1604-417, 1604-418, 1604-419, 1604-420, 1604-421, 1604-422, 1604-423, 1604-424, 1604-425, 1604-426, 1604-427, 1604-428, 1604-429, 1604-430, 1604-431, 1604-432, 1604-433, 1604-434, 1604-435, 1604-436, 1604-437, 1604-438, 1604-439, 1604-440, 1604-441, 1604-442, 1604-443, 1604-444, 1604-445, 1604-446, 1604-447, 1604-448, 1604-449, 1604-450, 1604-451, 1604-452, 1604-453, 1604-454, 1604-455, 1604-456, 1604-457, 1604-458, 1604-459, 1604-460, 1604-461, 1604-462, 1604-463, 1604-464, 1604-465, 1604-466, 1604-467, 1604-468, 1604-469, 1604-470, 1604-471, 1604-472, 1604-473, 1604-474, 1604-475, 1604-476, 1604-477, 1604-478, 1604-479, 1604-480, 1604-481, 1604-482, 1604-483, 1604-484, 1604-485, 1604-486, 1604-487, 1604-488, 1604-489, 1604-490, 1604-491, 1604-492, 1604-493, 1604-494, 1604-495, 1604-496, 1604-497, 1604-498, 1604-499, 1604-500, 1604-501, 1604-502, 1604-503, 1604-504, 1604-505, 1604-506, 1604-507, 1604-508, 1604-509, 1604-510, 1604-511, 1604-512, 1604-513, 1604-514, 1604-515, 1604-516, 1604-517, 1604-518, 1604-519, 1604-520, 1604-521, 1604-522, 1604-523, 1604-524, 1604-525, 1604-526, 1604-527, 1604-528, 1604-529, 1604-530, 1604-531, 1604-532, 1604-533, 1604-534, 1604-535, 1604-536, 1604-537, 1604-538, 1604-539, 1604-540, 1604-541, 1604-542, 1604-543, 1604-544, 1604-545, 1604-546, 1604-547, 1604-548, 1604-549, 1604-550, 1604-551, 1604-552, 1604-553, 1604-554, 1604-555, 1604-556, 1604-557, 1604-558, 1604-559, 1604-560, 1604-561, 1604-562, 1604-563, 1604-564, 1604-565, 1604-566, 1604-567, 1604-568, 1604-569, 1604-570, 1604-571, 1604-572, 1604-573, 1604-574, 1604-575, 1604-576, 1604-577, 1604-578, 1604-579, 1604-580, 1604-581, 1604-582, 1604-583, 1604-584, 1604-585, 1604-586, 1604-587, 1604-588, 1604-589, 1604-590, 1604-591, 1604-592, 1604-593, 1604-594, 1604-595, 1604-596, 1604-597, 1604-598, 1604-599, 1604-600, 1604-601, 1604-602, 1604-603, 1604-604, 1604-605, 1604-606, 1604-607, 1604-608, 1604-609, 1604-610, 1604-611, 1604-612, 1604-613, 1604-614, 1604-615, 1604-616, 1604-617, 1604-618, 1604-619, 1604-620, 1604-621, 1604-622, 1604-623, 1604-624, 1604-625, 1604-626, 1604-627, 1604-628, 1604-629, 1604-630, 1604-631, 1604-632, 1604-633, 1604-634, 1604-635, 1604-636, 1604-637, 1604-638, 1604-639, 1604-640, 1604-641, 1604-642, 1604-643, 1604-644, 1604-645, 1604-646, 1604-647, 1604-648, 1604-649, 1604-650, 1604-651, 1604-652, 1604-653, 1604-654, 1604-655, 1604-656, 1604-657, 1604-658, 1604-659, 1604-660, 1604-661, 1604-662, 1604-663, 1604-664, 1604-665, 1604-666, 1604-667, 1604-668, 1604-669, 1604-670, 1604-671, 1604-672, 1604-673, 1604-674, 1604-675, 1604-676, 1604-677, 1604-678, 1604-679, 1604-680, 1604-681, 1604-682, 1604-683, 1604-684, 1604-685, 1604-686, 1604-687, 1604-688, 1604-689, 1604-690, 1604-691, 1604-692, 1604-693, 1604-694, 1604-695, 1604-696, 1604-697, 1604-698, 1604-699, 1604-700, 1604-701, 1604-702, 1604-703, 1604-704, 1604-705, 1604-706, 1604-707, 1604-708, 1604-709, 1604-710, 1604-711, 1604-712, 1604-713, 1604-714, 1604-715, 1604-716, 1604-717, 1604-718, 1604-719, 1604-720, 1604-721, 1604-722, 1604-723, 1604-724, 1604-725, 1604-726, 1604-727, 1604-728, 1604-729, 1604-730, 1604-731, 1604-732, 1604-733, 1604-734, 1604-735, 1604-736, 1604-737, 1604-738, 1604-739, 1604-740, 1604-741, 1604-742, 1604-743, 1604-744, 1604-745, 1604-746, 1604-747, 1604-748, 1604-749, 1604-750, 1604-751, 1604-752, 1604-753, 1604-754, 1604-755, 1604-756, 1604-757, 1604-758, 1604-759, 1604-760, 1604-761, 1604-762, 1604-763, 1604-764, 1604-765, 1604-766, 1604-767, 1604-768, 1604-769, 1604-770, 1604-771, 1604-772, 1604-773, 1604-774, 1604-775, 1604-776, 1604-777, 1604-778, 1604-779, 1604-780, 1604-781, 1604-782, 1604-783, 1604-784, 1604-785, 1604-786, 1604-787, 1604-788, 1604-789, 1604-790, 1604-791, 1604-792, 1604-793, 1604-794, 1604-795, 1604-796, 1604-797, 1604-798, 1604-799, 1604-800, 1604-801, 1604-802, 1604-803, 1604-804, 1604-805, 1604-806, 1604-807, 1604-808, 1604-809, 1604-810, 1604-811, 1604-812, 1604-813, 1604-814, 1604-815, 1604-816, 1604-817, 1604-818, 1604-819, 1604-820, 1604-821, 1604-822, 1604-823, 1604-824, 1604-825, 1604-826, 1604-827, 1604-828, 1604-829, 1604-830, 1604-831, 1604-832, 1604-833, 1604-834, 1604-835, 1604-836, 1604-837, 1604-838, 1604-839, 1604-840, 1604-841, 1604-842, 1604-843, 1604-844, 1604-845, 1604-846, 1604-847, 1604-848, 1604-849, 1604-850, 1604-851, 1604-852, 1604-853, 1604-854, 1604-855, 1604-856, 1604-857, 1604-858, 1604-859, 1604-860, 1604-861, 1604-862, 1604-863, 1604-864, 1604-865, 1604-866, 1604-867, 1604-868, 1604-869, 1604-870, 1604-871, 1604-872, 1604-873, 1604-874, 1604-875, 1604-876, 1604-877, 1604-878, 1604-879, 1604-880, 1604-881, 1604-882, 1604-883, 1604-884, 1604-885, 1604-886, 1604-887, 1604-888, 1604-889, 1604-890, 1604-891, 1604-892, 1604-893, 1604-894, 1604-895, 1604-896, 1604-897, 1604-898, 1604-899, 1604-900, 1604-901, 1604-902, 1604-903, 1604-904, 1604-905, 1604-906, 1604-907, 1604-908, 1604-909, 1604-910, 1604-911, 1604-912, 1604-913, 1604-914, 1604-915, 1604-916, 1604-917, 1604-918, 1604-919, 1604-920, 1604-921, 1604-922, 1604-923, 1604-924, 1604-925, 1604-926, 1604-927, 1604-928, 1604-929, 1604-930, 1604-931, 1604-932, 1604-933, 1604-934, 1604-935, 1604-936, 1604-937, 1604-938, 1604-939, 1604-940, 1604-941, 1604-942, 1604-943, 1604-944, 1604-945, 1604-946, 1604-947, 1604-948, 1604-949, 1604-950, 1604-951, 1604-952, 1604-953, 1604-954, 1604-955, 1604-956, 1604-957, 1604-958, 1604-959, 1604-960, 1604-961, 1604-962, 1604-963, 1604-964, 1604-965, 1604-966, 1604-967, 1604-968, 1604-969, 1604-970, 1604-971, 1604-972, 1604-973, 1604-974, 1604-975, 1604-976, 1604-977, 1604-978, 1604-979, 1604-980, 1604-981, 1604-982, 1604-983, 1604-984, 1604-985, 1604-986, 1604-987, 1604-988, 1604-989, 1604-990, 1604-991, 1604-992, 1604-993, 1604-994, 1604-995, 1604-996, 1604-997, 1604-998, 1604-999, 1604-1000, 1604-1001, 1604-1002, 1604-1003, 1604-1004, 1604-1005, 1604-1006, 1604-1007, 1604-1008, 1604-1009, 1604-1010, 1604-1011, 1604-1012, 1604-1013, 1604-1014, 1604-1015, 1604-1016, 1604-1017, 1604-1018, 1604-1019, 1604-1020, 1604-1021, 1604-1022, 1604-1023, 1604-1024, 1604-1025, 1604-1026, 1604-1027, 1604-1028, 1604-1029, 1604-1030, 1604-1031, 1604-1032, 1604-1033, 1604-1034, 1604-1035, 1604-1036, 1604-1037, 1604-1038, 1604-1039, 1604-1040, 1604-1041, 1604-1042, 1604-1043, 1604-1044, 1604-1045, 1604-1046, 1604-1047, 1604-1048, 1604-1049, 1604-1050, 1604-1051, 1604-1052, 1604-1053, 1604-1054, 1604-1055, 1604-1056, 1604-1057, 1604-1058, 1604-1059, 1604-1060, 1604-1061, 1604-1062, 1604-1063, 1604-1064, 1604-1065, 1604-1066, 1604-1067, 1604-1068, 1604-1069, 1604-1070, 1604-1071, 1604-1072, 1604-1073, 1604-1074, 1604-1075, 1604-1076, 1604-1077, 1604-1078, 1604-1079, 1604-1080, 1604-1081, 1604-1082, 1604-1083, 1604-1084, 1604-1085, 1604-1086, 1604-1087, 1604-1088, 1604-1089, 1604-1090, 1604-1091, 1604-1092, 1604-109

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCP1 (+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

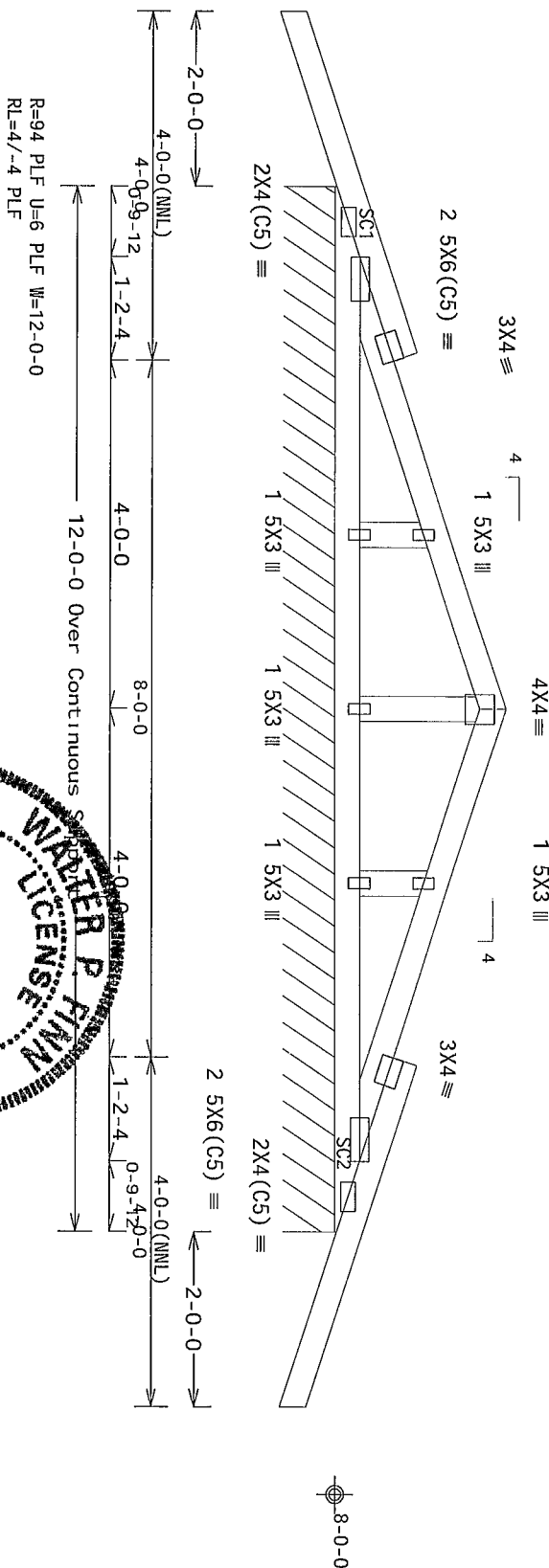
See DWGS A12015ENC100212, GBLLETI1M0212, & GABRST100212 for more requirements

Stacked top chord must NOT be notched or cut in area (NNL) Dropped top chord braced at 24" o c intervals Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o c Center plate on stacked/dropped chord interface, plate length perpendicular to chord length Splice top chord in noticable area using 3x6

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(ST
FT/RT=10%(0%)/0(0)

03.04.2014

FL/-/3/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DECISION TO ALL CONTRACTORS, INCLUDING INSTALLERS

These require extreme care in fabricating, handling, shipping, installing, and bracing. For
 follow the latest edition of BCSI (Building Component Safety Information) by TPI and WTCA for the
 practices prior to performing these functions. Installers shall provide comprehensive bracing per
 United States code. The shop shall have properly attached structural sheathing and bottom chord
 shall have bracing installed per BCSI section 83, 87, or 810 as applicable.

The Building Components Group Inc. (TMBGCO) shall not be responsible for any due to on from this design
 and/or failure to build the truss in conformance with ANSI/TPI 1 or for handing or shipping or installing or
 Does 15, unless noted otherwise. Refer to drawing 160A-2 for required plate material and size on the
 drawing or cover plate, citing this drawing. It and e-codes accordance of professional seal near the
 responsibility of the Building Design Group. The suitability and use of this design for any structure
 per ANSI/TPI 1 Sec 2. For more information on see This job
 general notes page. TPI www.tpi.net WTCA www.abctindustry.com

07/19/2013

TC LL	20.0 PSF	REF R487-- 81614
TC DL	7.0 PSF	DATE 07/19/13
BC DL	10.0 PSF	DRW HCURR487 13200002
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT LD	37.0 PSF	SEQN- 310173
DUR FAC.	1.25	
SPACING	24 0"	JREF- 1UY1487 Z022

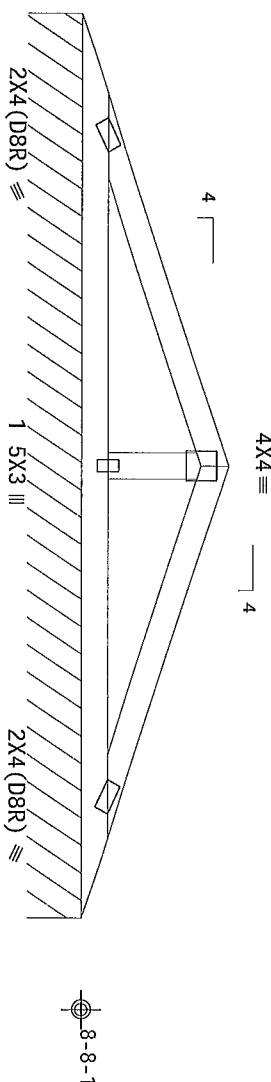
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MWFRS with additional C&C member design

Bottom chord checked for 10 00 psf non-concurrent live load
Deflection meets $L/240$ live and $L/180$ total load Creep increases
factor for dead load is 1 50

See DWG VAL160100212 for valley details



PLT TYP. Wave

03 04.03.26.14

Scale = .5"/Ft.

ALPINE

[illegible]

07/19/2013

TC LL	20 0 PSF	REF R487-- 81615
TC DL	7 0 PSF	DATE 07/19/13
BC DL	10 0 PSF	DRW/ HCUSR487 13200003
BC LL	0 0 PSF	HC-ENG SSB/AP
TOT LD	37.0 PSF	SEON- 310174
DUR FAC.	1 25	
SPACING	24.0"	JREF- 1UY1487_Z02

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

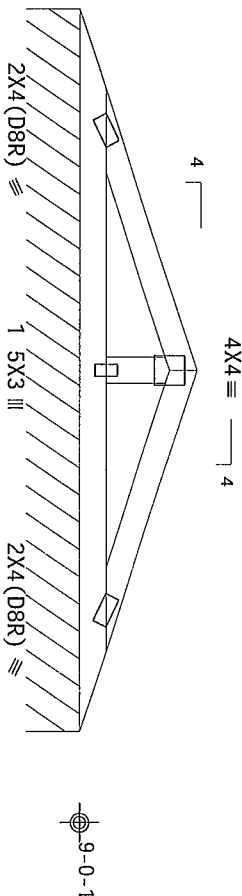
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50

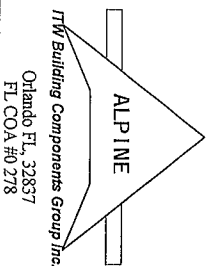
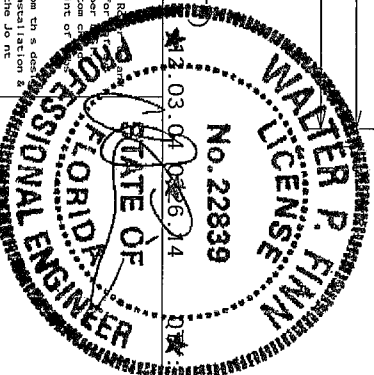
See DWG VAL160100212 for valley details



R=7/5 PLF U=0 PLF W=7-11-6

PLT TYP Wave

Design Crit: FBC2010Res/TPI-2007(Std)
FT/RI=10%(0%)/0(0)



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information by TPI and WTC for practices prior to performing these functions. Installers shall provide temporary bracing per details shown on this drawing. Locations shown for permanent lateral restraint of shall have bracing installed per BCSI sections BS 87 or B10 as applicable.
The Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any damage to property or injury to persons resulting from the use of this design. The responsibility of the Building Designer per ANSI/TPI 1 Sec 2 For more information see this job's general notes page ITW-BCG www.itwbcg.com TPI www.tpiinc.org WTC www.wtcindustry.com

FL/-/3/-/-/R/-			Scale = .5"/Ft	
TC LL	20.0 PSF	REF	R487--	81616
TC DL	7.0 PSF	DATE	07/19/13	
BC DL	10.0 PSF	DRW	HCSR487	13200004
BC LL	0 0 PSF	HC-ENG	SSB/AP	
TOT LD.	37.0 PSF	SEQN-	310175	
DUR. FAC	1 25			
SPACING	24.0"	JREF-	1UY1487_202	

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner

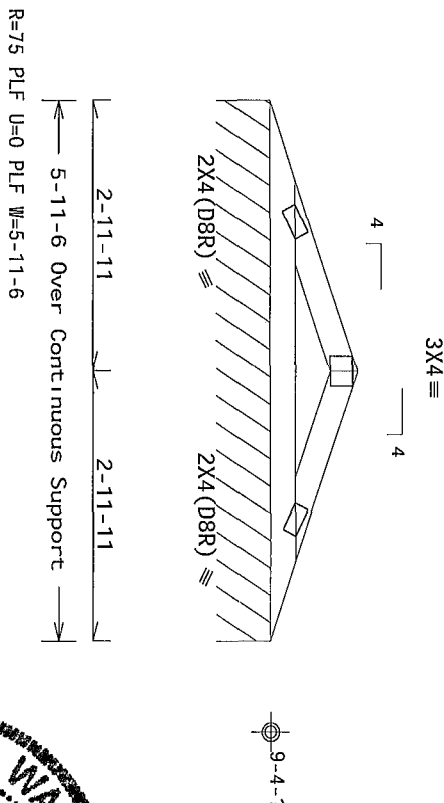
See DWG VAL160100212 for valley details

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4 50 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=3 5 psf wind BC DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MMFRS with additional C&C member design

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets $L/240$ live and $L/180$ total load Creep increases factor for dead load is 1.50



PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STT)
FT/RT=10%(0%)/0(0)	

2:03 04 0326 14 GTT

FL/-/3/-/-/R/-

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

IMPORTANT
 WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

These requirements are fabricating handling and breech
follow the latest edition of BS61 (Building Commissioning Information by TPI and WTA) for
practices or to performing these functions installers shall provide temporary bracing per BS
Unless noted otherwise top chord shall have properly attached structural sheathing and bottom
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of wall
shall have one installed per BS61 section 8.7 or 8.10 as applicable

[illegible]

07/19/2013

TC LL	20 0 PSF	REF	R487-- 81617
TC DL	7.0 PSF	DATE	07/19/13
BC DL	10.0 PSF	DRW	HCSR487 1320006
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT LD	37 0 PSF	SEQN-	310176
DUR FAC.	1.25		
SPACING	24 0"	JREF-	1UY1487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC

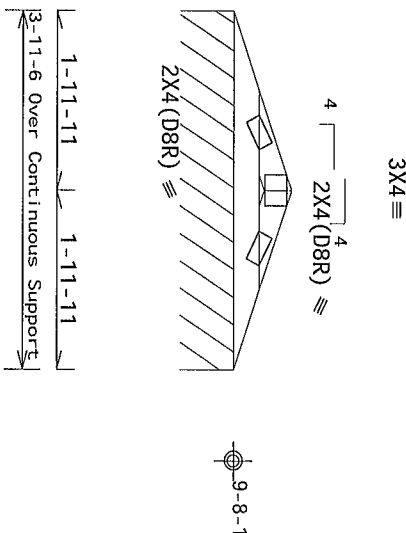
DL=5 0 psf GCPI (+/-)=0 18

Wind loads and reactions based on MNFIRS with additional C&C member design

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load Creep increases factor for dead load is 1.50

See DWG VAL160100212 for valley details



R=74 PLF U=0 PLF W=3-11-6

PLT TYP Wave

Design Crit	FBC2010Res/TP1-2007(STD)
FT/RT=10%(0%)/0(0)	

2:03.04.0326.14

ਗੁਰੂ

FL/-/3/-/-/R/-

Scale = 5"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

These require care in fabric cutting, handling, splicing and bonding. But follow the latest code on BSI's (Building Components) Information on by TPI and WDO). In practice, one prior to performing these functions. Installers shall provide temporary bracing per BSI's (Building Components) Information on by TPI and WDO). Unless noted otherwise, no top chord shall have properly attached structural sheath and bottom chord shall have a properly attached top and bottom chord. Locations shown for permanent lateral restraint of shall have bracing installed per BSI's sections B3, B7 or B10 as applicable.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278

general moves page	117-000	www	1cwcog.com	171	www	cp-nsc.org	WILCA	www	SDC	industry.com
ICC	www	ccsafo.org								

WALTER P. FINN
No. 22839
12-03-09
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/19/2013

07/19/2013

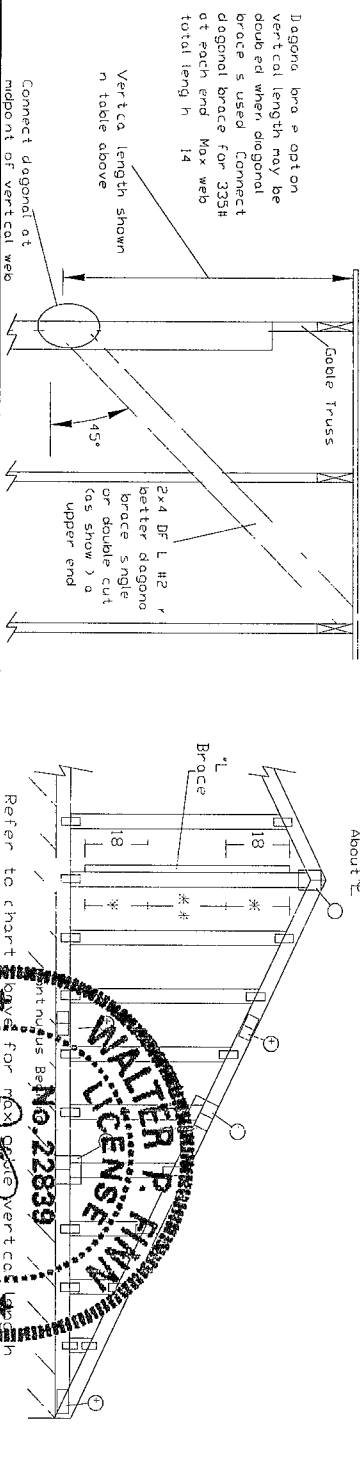
TC LL	20 0 PSF	REF	R487-- 81618
TC DL	7.0 PSF	DATE	07/19/13
BC DL	10 0 PSF	DRW	HCUSR487 13200006
BC LL	0 0 PSF	HC-ENG	SSB/AP
TOT LD	37.0 PSF	SEQN-	310177
DUR FAC.	1.25		
SPACING	24.0"	JREF-	1UY1487_Z02

ASCE 7-10 10 mph Wind Speed 15 Mean Height Exposure C Kzt = 100

Dr 100 mph Wind Speed 15 Mean Height Enclosed Exposure D Kzt 100

2x4 Gable Vertical Length		Brace		No Braces	(1) 1x4 L		Brace # (1) 2x4 L		(2) 2x4 L		Brace # (1) 2x6 L		Brace # (2) 2x6 L		Brace #	
		Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B		
12" oc	SPF	#1 / #2	4 10	8 2	8 6	9 8	10	11 6	12 0	14 0	14 0	14 0	14 0	14 0	14 0	14 0
			#3	4 7	7 9	8 3	9 7	9 11	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0
			Stud	4 7	8 1	8 4	9 7	9 11	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0
			Standard	4 7	8 1	8 4	9 7	9 11	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0
	HF	#1	4 11	8 3	8 7	9 9	10 1	11 7	12	14 0	14 0	14 0	14 0	14 0	14 0	14 0
			#2	4 10	8 2	8 6	9 8	10 1	11 6	12 0	14 0	14 0	14 0	14 0	14 0	14 0
			#3	4 7	6 11	7 4	9 3	9 10	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0
			Stud	4 7	6 11	7 4	9 3	9 10	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0
	DFL	Standard	4 7	6 11	7 4	9 3	9 10	11 5	11 10	14 0	14 0	14 0	14 0	14 0	14 0	14 0
			#1 / #2	4 7	6 0	6 4	8 0	8 6	0 0	11	12 6	13 5	14 0	14 0	14 0	14 0
			#3	5 6	9 5	9 9	11 1	11 6	3 2	13 9	14 0	14 0	14 0	14 0	14 0	14 0
			Standard	5 3	9 3	9 9	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	14 0
16" oc	SPF	#1 / #2	5 3	9 3	9 7	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	14 0	
			#3	5 3	9 3	9 9	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	
			Stud	5 3	9 3	9 7	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	
			Standard	5 3	9 3	9 7	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	
	HF	#1	5 8	9 5	9 10	11 2	11 7	13 3	13 10	14 0	14 0	14 0	14 0	14 0	14 0	
			#2	5 6	9 5	9 9	11 1	11 6	13 0	13 9	14 0	14 0	14 0	14 0	14 0	
			#3	5 3	8 6	9 0	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	
			Stud	5 3	8 6	9 0	10 11	11 4	13 0	13 7	14 0	14 0	14 0	14 0	14 0	
	DFL	Standard	5 3	7 4	7 10	9 9	10 5	13 0	13 7	14 0	14 0	14 0	14 0	14 0	14 0	
			#1 / #2	6 1	10 4	10 8	12 2	12 6	13 2	14 0	14 0	14 0	14 0	14 0	14 0	
			#3	5 9	10 2	10 7	12 0	12 6	4 0	14 0	14 0	14 0	14 0	14 0	14 0	
			Stud	5 9	10 2	10 7	12 0	12 6	4 0	14 0	14 0	14 0	14 0	14 0	14 0	
SPF	Standard	6 2	10 5	10 9	12 3	12 9	14 0	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#1	6 2	10 5	10 9	12 3	12 9	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#2	6 1	10 4	10 8	12 2	12 8	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#3	5 9	9 9	10 5	12 0	12 6	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
DFL	Standard	5 9	9 9	10 5	12 0	12 6	14 0	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#1	5 9	9 9	10 5	12 0	12 6	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#2	5 9	9 9	10 5	12 0	12 6	14 0	14 0	14 0	14 0	14 0	14 0	14 0		
		#3	5 9	9 9	10 5	12 0	12 6	14 0	14 0	14 0	14 0	14 0	14 0	14 0		

Bracing Group Species and Grades		Group A		Group B	
Spruce Pine Fir	#1 / #2	Stud	Standard	#3	Standard
Douglas Fir Larch	#3	Stud	Standard	#3	Standard
Group B	Hem Fir	#1 & Btr	#1	#2	#3



* F r 1 L brace	space nails at 2' 0"
18 end zones and 4' 0" between 0 es	
* F r 2 L braces	"space nails at 3' 0"
n 18 end zones and 6' 0" 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"	25x4

+ Refer to common truss design for peak splice and heel plates

Refer to the Building Designer for conditions not addressed by this detail



Building Components Group Inc.
Earth City MO 63045

WALTER P. FINN
FLORIDA ENGINEER
No. 22839

MAX TDT LD 60 PSF
MAX SPACING 24 0

REF ASCE7-10-GAB12015
DATE 2/14/12
DRWG A12015ENC100212

120 mph	30ft	Mean Hgt	ASCE 7-10	Enclosed	Exp C or
100 mph	30ft	Mean Hgt	ASCE 7-10,	Enclosed	Exp D or
100 mph	30ft	Mean Hgt	ASCE 7 10,	Part	Enclosed
Kzt - 100	Wind TC	DL=50 psf,	Wind	BC	DL=50 psf

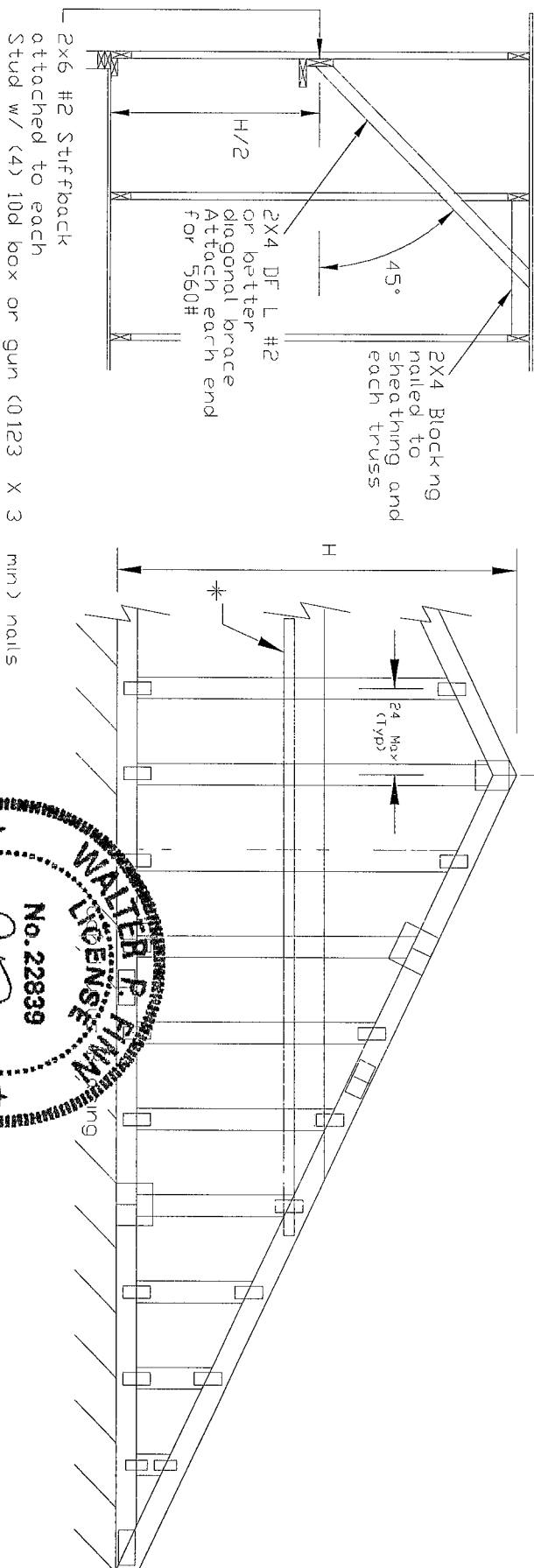
Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber plates, and other information not shown on this detail.

Nails 10d box or gun (0.128 x 3 mm) nails

H Greater than 7.6 to 12.0 max
provide a 2x6 stiffback at mid-height and brace
to roof diaphragm every 4.0 (see detail below or
refer to DRWG A12030ENC10)

* Optional 2x L-reinforcement attached
to stiffback with 0d box or gun
(0.128 x 3 m) nails @ 6 o.c



Building Components Group Inc.

Building Components Group Inc.

Earth City MO 63045

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING:
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER**

Trusses require extreme care in fabricating, handling, shipping, installing and joining. Refer to the latest edition of BCIS Building Component Safety Information by JPI and JCA for all practices prior to performing these functions. However, installers are provided a listing of BCIS products not otherwise listed that should have properly attached structural sheathing and bottom chord shims to have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCIS sections B3 B7 or B10 as applicable. Apply plates to each end of trusses and position as shown above and on the Joint Beta 5 unass noted otherwise refer to drawings ISDA 2 for standard plate positions.

[illegible]

07/19/2013

Jul 19 '13

MAX TOT LD 60 PSF

MAX SPACING

REF	GE WHALER
DATE	2/14/12
DRWG	GABRST1002

Top Chord	2x4 SP	#2N	SPF #1/#2	DF-L #2 or better
Bot Chord	2x4 SP	#2N	or SPF #1/#2	or better
Webs	2x4 SP	#3	SPF #1/#2	DF-L #2 or better

```

** Attach each valley to every supporting truss with
(2) 16d box (0135 x 35) nails toe-naed for
ASCE 7 10 160 mph 30 Mean Height, Enclosed
Building Exp C Wind TC DL=5 psf Kzt = 100
    Dlr
ASCE 7 10 140 mph 30 Mean Height Enclosed
Building Exp D Wind TC DL=5 psf Kzt = 100

```

Unless specified an engineer's sealed design apply 1x4 T brace 80% length of web same species and SRB grade or better attached with 8d box (0112 x 25) nails at 6 oc or continuous lateral bracing equally spaced for vertical valley webs greater than 7'-9"

or verticals over 10-0 tall apply (2) 1x4 T braces 80' length of web same species and SRB grade or better attached with 8d box (0113 x 25) nails @ 6' o

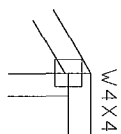
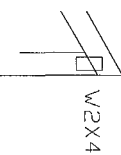
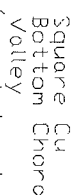
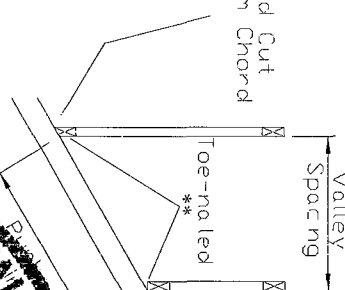
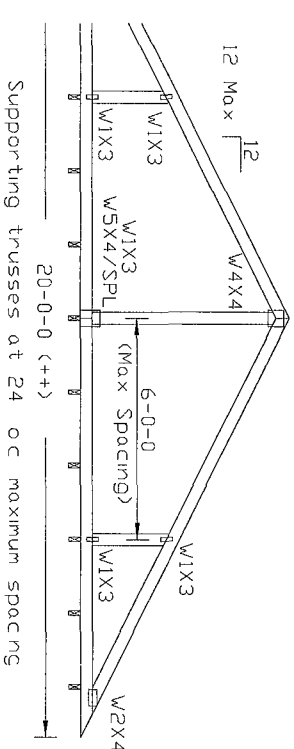
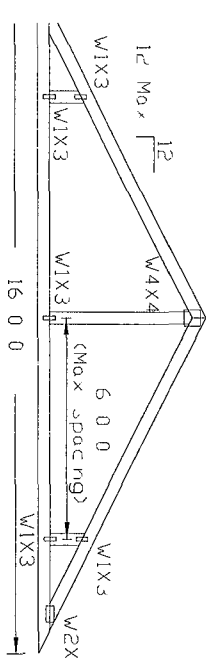
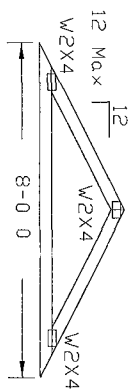
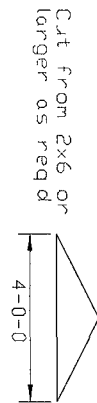
Top chord of truss beneath valley set must be braced with properly attached rated sheathing applied prior to valley truss installation

Purlins at 24" OC or as otherwise specified on Engineer's sealed design.
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

```

*** Note that the parin spacing for bracing the top chord of the truss
      beneath the valley is measured along the slope of the top chord
++ Larger spans may be built as long as the vertical height does
   not exceed 14 -0
Bottom chord may be square or pitched cut as shown

```



Supporting trusses at 24 o c maximum spacing



Building Components Group Inc.

[illegible]

TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	2/14/12
BC DL	10	10	10 PSF	DRWG	VAL160100212
BC LL	0	0	0 PSF		
TDI LD	60	55	57PSF		
DURFAC 125/133/115			115		
SPACING		240			

Wind Load Requirements: Lott Residence
142 SW Arvid Glen, Lake City, Florida

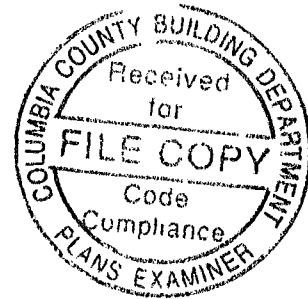
Date: July 18, 2013

Project No.: 5090117

Page 1 of 3

Design Parameters and General Description

Code compliance:	Florida Building Code, 2010 edition; ASCE/SEI 7-10
Risk category:	II
Ultimate design wind speed:	120 mph
Wind directionality factor, K_d :	0.85
Exposure category:	B
Topographic factor, K_{zt} :	1.0
Gust effect factor, G :	0.85
Enclosure classification:	enclosed (by definition)
Internal pressure coeff., GC_{pi} :	± 0.18
Number of stories:	one
Plan dimensions:	12.00 ft x 16.17 ft
Exterior walls:	wood frame
Roof slope:	4:12
Roof type:	gable
Eave height:	<10 ft
Mean roof height:	<15 f.
Roof overhang:	2.00 ft max.



Drawings

See drawings for additional details. In case of conflict, the requirements of these calculations govern.

Roof Framing

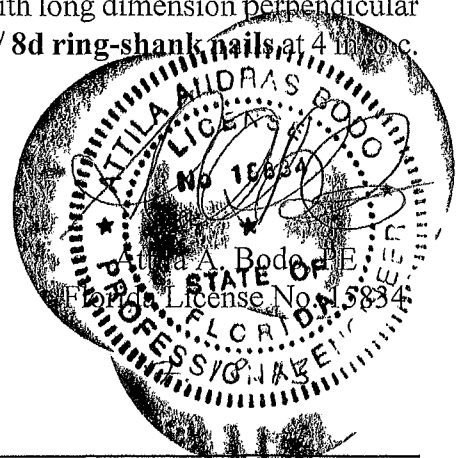
Pre-engineered wood roof trusses at 24" o.c. (nominal). See calculations by *Anderson Truss Company, Lake City, Florida*, dated July 18, 2013, for details.

Roof Sheathing

Minimum 7/16" Exposure 1 wood structural panels. Install with long dimension perpendicular to framing and staggered end joints. Fasten to roof framing w/ **8d ring-shank nails** at 4 in. o.c. on edges and 8 in. o.c. at intermediate framing. Provide blocking at 48 in. max. o.c. in first two framing spaces at gable end. Blocking shall be full depth of truss chords.

Maximum Wind Pressures

Velocity pressure exposure coefficient, K_z :	0.70
Velocity pressure, q_z :	21.9 psf



Wind Load Requirements: Lott Residence
142 SW Arvid Glen, Lake City, Florida

Date: July 18, 2013

Project No.: 5090117

Page 2 of 3

Components and cladding:

roof external pressure coefficient, GC_p : -2.6 (maximum)
roof design wind pressure, p : -61.0 psf

wall external pressure coefficient, GC_p : -1.4 (maximum)
wall design wind pressure, p : -34.7 psf

MWFRS:

maximum design wind pressure on roof: -27.4 psf
total design wind pressure on walls: 31.6 psf

Exterior Walls

use: 2x4 SPF No. 2 grade or better studs at 16" o.c. maximum

Shearwall Sheathing

Minimum 15/32" plywood or 7/16" OSB, sheathing grade; attach all edges to framing with 8d common nails at 4 in. o.c. Attach to intermediate framing with 8d common nails at 12 in. o.c. Sheathing shall be applied to outside face of **all exterior frame walls**.

Headers

Provide headers in accordance with Section 2308 of the *Florida Building Code, 2010 edition*.

Foundations (sizes based on wind load requirements only)

Thickened edge: 20" thick x 12" wide; reinforce with (2) #5 continuous bars. Lap bars 25".
Provide (2) 25"x25" corner bars at each corner.

Connector Schedule

To Connect	To	No.	Product Code ⁽¹⁾	Fastener	Uplift Capacity, lb
truss A	top plates	1	H5	(4+4) 8dx1½" common nails	265
truss ADG	top plates	1	LTP4	(6+6) 8dx1½" common nails	575
outrigger	truss	1	A35	(6+6) 8dx1½" common nails	340

Wind Load Requirements: Lott Residence
142 SW Arvid Glen, Lake City, Florida

Date: July 18, 2013

Project No.: 5090117

Page 3 of 3

To Connect	To	No.	Product Code ⁽¹⁾	Fastener	Uplift Capacity, lb
top plates	stud	1 ⁽²⁾	SSP	(3+4) 10d common nails	435
stud	bottom plate ⁽⁴⁾	1 ⁽²⁾	SSP	(4+1) 10d common nails	420
header	header stud(s)	1 ⁽²⁾	MSTA15	(6+6) 10d common nails	1020
header stud(s)	bottom plate ⁽⁴⁾	1 ⁽²⁾	SPH4	(10) 10dx1½" common nails	1065
bottom plate ⁽⁴⁾	concrete	1 ⁽³⁾	--	1/2" dia x 10" anchor bolt w/ 3"x3"x1/8" washers	>2200

Notes:

1. Product codes refer to connector hardware as manufactured by Simpson Strong-Tie Company, Inc., Pleasanton, CA. Other manufacturers' products of equal or higher capacity may be substituted.
2. Use one connector on every stud
3. Connector spacing: within 6" of each end of each plate, within 6" of corners, and at 32" o c maximum
4. All metal hardware and fasteners in contact with pressure-treated wood shall be corrosion-resistant.
5. See truss engineering for truss-to-truss connections
6. Unless noted otherwise, all nails to be common wire nails with the following diameters:
 - a 8d 0 131 in
 - b 10d 0 148 in.
 - c 16d 0 162 in
7. Connections not otherwise specified herein or shown on the drawings shall be in accordance with the 2010 Florida Building Code