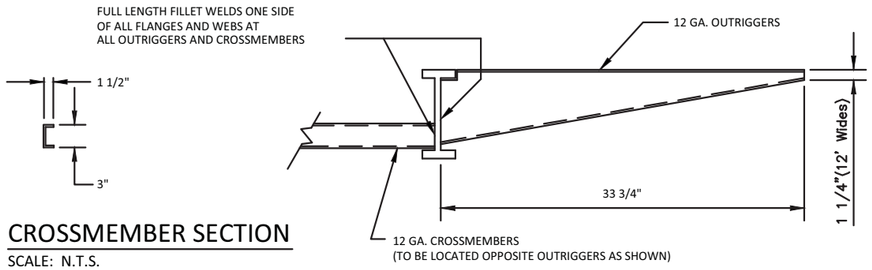
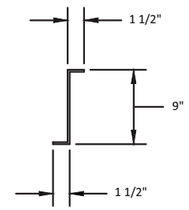


CROSSMEMBER SECTION

SCALE: N.T.S.

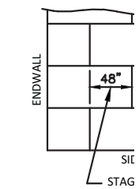


OUTRIGGER SECTION

SCALE: N.T.S.

GENERAL CROSS-SECTION NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY w/ASTM A36,YIELD STRENGTH = 36 KSI.
2. ALL LAG SCREWS MUST COMPLY WITH ANSI/ASME B18.2.1. Fyb = 60 K.S.I. MIN.



ROOF SHEATHING DETAIL

SCALE: N.T.S.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

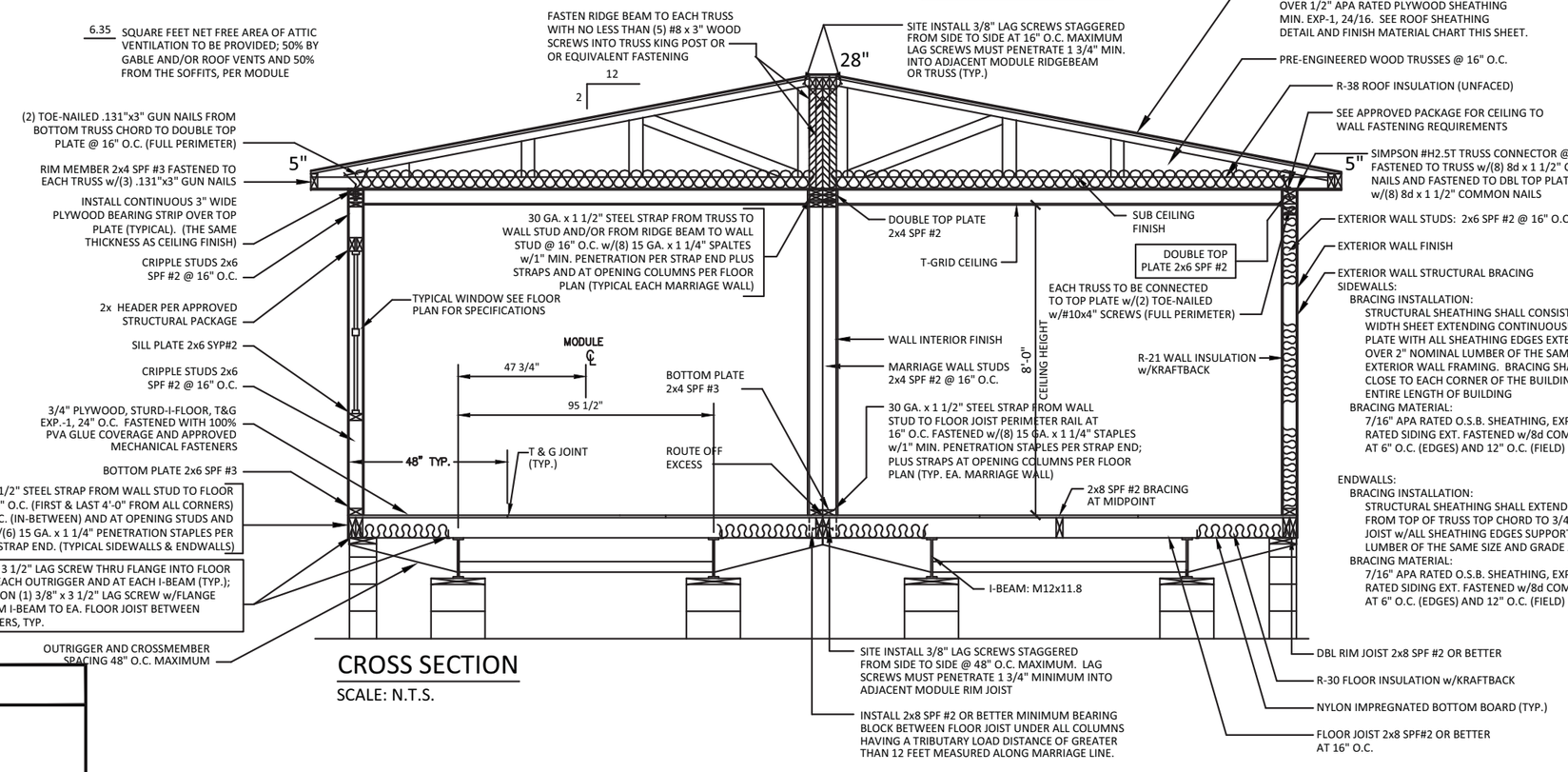
Date: 01/11/16

APPROVED TRUSS DESIGN:
TRUSS MFG'R. UNIVERSAL
TRUSS DWG #: M165
(OR AN APPROVED EQUAL)

NOTE:
TRUSSES WHICH DO NOT FALL DIRECTLY OVER WALL STUDS SHALL BE STRAPPED TO TOP PLATE AND TOP PLATE SHALL BE STRAPPED TO NEAREST ADJACENT STUD WITH EQUIVALENT FASTENING

FASTENING SCHEDULE

1. ROOF TRUSSES TO RAILS W/(3) 0.131"X3" NAILS (4 IN TOP RAIL & 4 IN BOTTOM RAIL)
2. STUDS TO PLATES W/(3) 0.131"X3" NAILS
3. (3) 2X6 #2 SPF JAMB STUDS ON EXTERIOR W/(3) 0.131"X3" NAILS TO PLATES & (2) 30GA X 1.5" STRAPS W/(6) 16 GA STAPES EACH END AT TOP & BOTTOM PLATES
4. EXTERIOR BEARING WALL HEADERS (3) 2X4 #2SPF W/(3) 0.131"X3" NAILS EACH END
5. STEEL FRAME TO FLOOR PERIMETER W/5/16"X3" LAGS @ 48" O.C.
6. FRONT & REAR CROSS-MEMBERS TO END JOISTS W/(4) 5/16"X3" LAGS
7. ROOF SHEATHING TO ROOF W/8d NAILS @ 6" O.C. EDGES AND 12" O.C. FIELD
8. WALL SHEATHING W/8d NAILS AT 12" O.C. FIELD AND 6" O.C. EDGES
9. SHEER WALL ANCHORS, SEE 'A1'
10. ROOF TRUSSES TO WALL W/(1) SIMPSON #H.5T2 @ 16" O.C.
11. ROOF TRUSSES TO TOP PLATE W/(4) 0.131"X3" NAILS TOE-NAILED
12. EXTERIOR WALL TO FLOOR W/0.131"X3" NAILS @ 12" O.C.
13. WALL TO ROOF & ROOF TO WALL W/(1) 30GA X 1.5" STRAP W/(6) 16 GA STAPLES EACH END @ 32" O.C.



CROSS SECTION

SCALE: N.T.S.

RIDGE BEAM CONSTRUCTION:

TWO (2) LAYER OF 1 3/4" x 22" MICRO-LAM, EACH MODULE, EACH HALF EACH HALF CONTINUOUS ENTIRE LENGTH OF BUILDING.
MICRO-LAM BEAM MUST BE CONTINUOUSLY BRACED AT TOP EDGE OF BEAM

NOTES:

1. MICRO-LAM F = 2,800 PSI.
2. MICRO-LAM MUST BE CONTINUOUS OVER CLEARSPAN(S).
3. BEAMS SUPPORT BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
4. FASTEN ROOF SHEATHING INTO TOP EDGE OF MICRO-LAM TO PROVIDE CONTINUOUS LATERAL SUPPORT OF BEAM.
5. INSTALL (2x4) x 20" SPF #3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND (6) 16 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICRO-LAM BEAM.
6. WHEN MORE THAN ONE LAYER OF MICRO-LAM IS INSTALLED ON EITHER SIDE OF THE BUILDING MATE LINE, LAYERS ON THAT SIDE OF THE MATE LINE MUST BE FASTENED TOGETHER w/16 GA. STAPLES x 7/16" MINIMUM CROWN (INSTALLED PARALLEL TO BEAM SPAN) x 3/4" MINIMUM PENETRATION INTO CONNECTING LAYER. STAPLES SHALL BE PLACED @ 6" O.C. MAXIMUM VERTICALLY AND HORIZONTALLY WITH FIRST AND LAST ROW OF STAPLES LOCATION 1" FROM TOP AND BOTTOM EDGE OF BEAM RESPECTIVELY.

INTERIOR FINISH MATERIAL:

SUB CEILING:	1/2 INCH GYPSUM BOARD INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (RAW, UN-FINISHED)
CEILING:	T-GRID ACOUSTICAL TILE CEILING; INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. (PRE-FINISHED)
WALL:	1/2" GYPSUM BOARD (SQUARE EDGE) - THRU OUT; INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
FLOOR:	CARPET - CLASSROOMS ONLY; VINYL BLOCK TILE - REMAINDER; INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

EXTERIOR FINISH MATERIAL:

ROOF:	26 GA GALV STEEL METAL ROOF OVER DBL 15# FELT w/36" EAVE ICE GUARD PROTECTION; INSTALLED PER MANUFACTURER'S SPECIFICATIONS OR AN APPROVED EQUAL.
WALL:	VINYL LAP SIDING OVER APPROVED WEATHER RESISTANT MOISTURE BARRIER AND BRACING MATERIAL; FASTEN w/8d x 2 1/2" COMMON NAILS @ 6" O.C. AS PER MANUFACTURER'S SPECIFICATIONS.

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No.12156
LICENSED
PROFESSIONAL ENGINEER

Nov. 11, 2015

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BUILDING CROSS SECTION

SERIAL #: 1386 A-B
OCCUP: E
DRAWING #: VGM-2015-0027

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Drawing Date: 11-10-2015	Project: PORTLAND, ME
Drawn By: J.L.B.	Sheet: X1
Scale: NONE	6 of 6