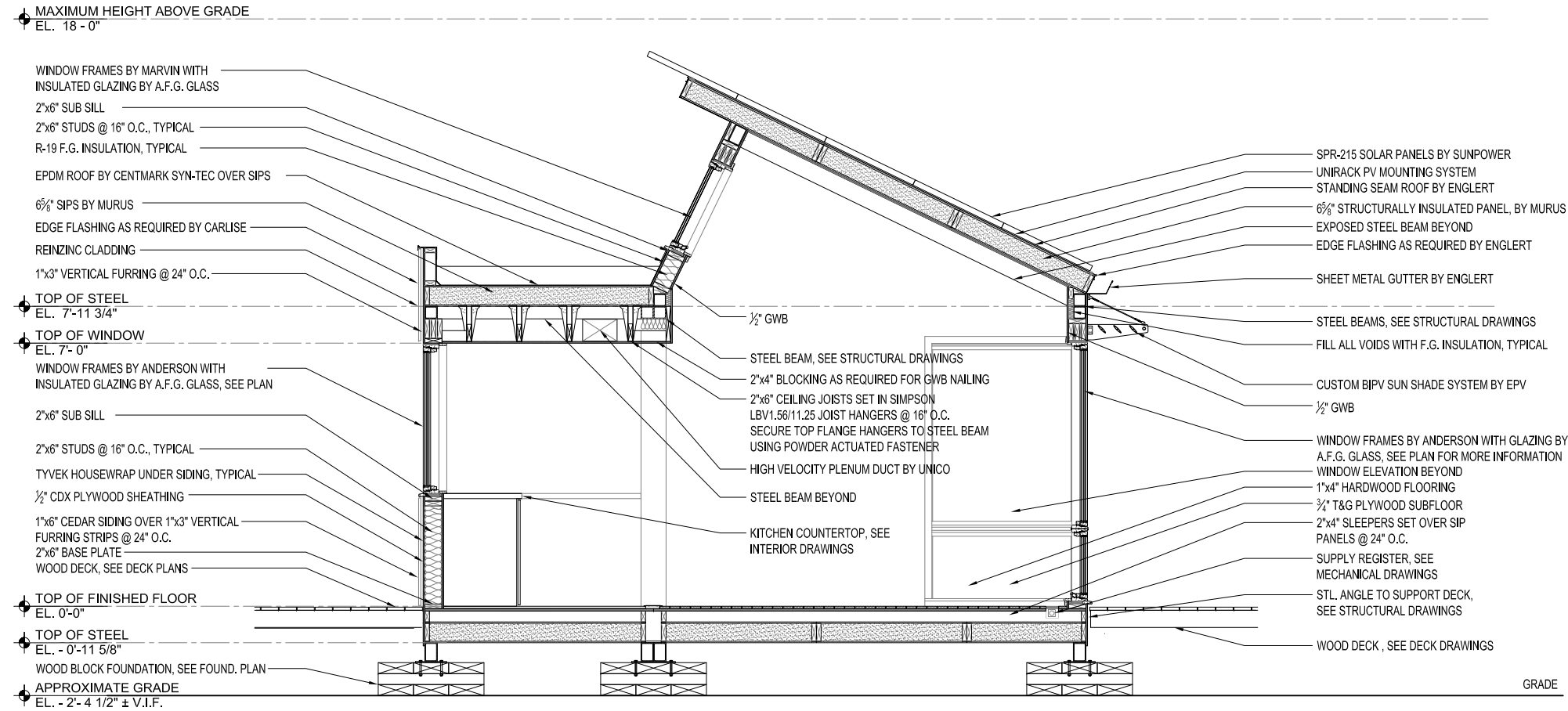




New York Institute of Technology
 NORTHERN BLVD., OLD WESTBURY, NY 11568
 TEL: 516-686-7659 FAX: 516-686-7921

Solar Decathlon 2007

CONSTRUCTION DOCUMENTS



- MAXIMUM HEIGHT ABOVE GRADE
EL. 18'-0"
- WINDOW FRAMES BY MARVIN WITH INSULATED GLAZING BY A.F.G. GLASS
- 2"x6" SUB SILL
- 2"x6" STUDS @ 16" O.C., TYPICAL
- R-19 F.G. INSULATION, TYPICAL
- EPDM ROOF BY CENTMARK SYN-TEC OVER SIPS
- 6 5/8" SIPS BY MURUS
- EDGE FLASHING AS REQUIRED BY CARLISE
- REINZINC CLADDING
- 1"x3" VERTICAL FURRING @ 24" O.C.
- TOP OF STEEL
EL. 7'-11 3/4"
- TOP OF WINDOW
EL. 7'-0"
- WINDOW FRAMES BY ANDERSON WITH INSULATED GLAZING BY A.F.G. GLASS, SEE PLAN
- 2"x6" SUB SILL
- 2"x6" STUDS @ 16" O.C., TYPICAL
- TYVEK HOUSEWRAP UNDER SIDING, TYPICAL
- 1/2" CDX PLYWOOD SHEATHING
- 1"x6" CEDAR SIDING OVER 1"x3" VERTICAL FURRING STRIPS @ 24" O.C.
- 2"x6" BASE PLATE
- WOOD DECK, SEE DECK PLANS
- TOP OF FINISHED FLOOR
EL. 0'-0"
- TOP OF STEEL
EL. -0'-11 5/8"
- WOOD BLOCK FOUNDATION, SEE FOUND. PLAN
- APPROXIMATE GRADE
EL. -2'-4 1/2" ± V.I.F.

- SPR-215 SOLAR PANELS BY SUNPOWER
- UNIRACK PV MOUNTING SYSTEM
- STANDING SEAM ROOF BY ENGLERT
- 6 5/8" STRUCTURALLY INSULATED PANEL, BY MURUS
- EXPOSED STEEL BEAM BEYOND
- EDGE FLASHING AS REQUIRED BY ENGLERT
- SHEET METAL GUTTER BY ENGLERT
- STEEL BEAMS, SEE STRUCTURAL DRAWINGS
- FILL ALL VOIDS WITH F.G. INSULATION, TYPICAL
- CUSTOM BIPV SUN SHADE SYSTEM BY EPV
- 1/2" GWB
- WINDOW FRAMES BY ANDERSON WITH GLAZING BY A.F.G. GLASS, SEE PLAN FOR MORE INFORMATION
- WINDOW ELEVATION BEYOND
- 1"x4" HARDWOOD FLOORING
- 3/4" T&G PLYWOOD SUBFLOOR
- 2"x4" SLEEPERS SET OVER SIP PANELS @ 24" O.C.
- SUPPLY REGISTER, SEE MECHANICAL DRAWINGS
- STL. ANGLE TO SUPPORT DECK, SEE STRUCTURAL DRAWINGS
- WOOD DECK, SEE DECK DRAWINGS
- STEEL BEAM, SEE STRUCTURAL DRAWINGS
- 2"x4" BLOCKING AS REQUIRED FOR GWB NAILING
- 2"x6" CEILING JOISTS SET IN SIMPSON LBV1.56/11.25 JOIST HANGERS @ 16" O.C. SECURE TOP FLANGE HANGERS TO STEEL BEAM USING POWDER ACTUATED FASTENER
- HIGH VELOCITY PLENUM DUCT BY UNICO
- STEEL BEAM BEYOND
- KITCHEN COUNTERTOP, SEE INTERIOR DRAWINGS

TRANSVERSE SECTION THROUGH KITCHEN
 SCALE 1/4" = 1'-0"

TRANSVERSE SECTION THROUGH KITCHEN

REVISIONS		Scale: 1/4" = 1'-0"
No.	Date	Description
1	06.13.06	Design Development Drawings
2	03.06.07	Construction Drawings Rev. 1
3	08.07.07	Construction Drawings Rev. 2

Date: August 7th, 2007
 Drawn By: MM
 Checked By: MM

DRAWING:
A 3.3
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