ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
AES PROJECT NO. 3760

DOCUMENT 00910

ADDENDA

ADDENDUM NUMBER 7

DATE: **June 15, 2012**

PROJECT: **Little Whiteface Ski Patrol Building**

AES PROJECT NO: **3760**

OWNER: **Essex County**

ARCHITECT: **AES Northeast, PLLC**

TO: **Prospective Bidders/Plan Holders**

This Addendum forms a part of the Contract Documents and modifies the Documents dated May 4, 2012, Addendum No. 1 dated May 15, 2012, Addendum No. 2 dated May 16, 2012, Addendum No. 3 dated May 30, 2012, Addendum No. 4 dated June 5, 2012, Addendum No. 5 dated June 6, 2012, Addendum No. 6 dated June 7, 2012 with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of (51 Pages (including (21) Drawings); including DOCUMENT 00910 – ADDENDUM NO. 7 (7) Pages; DOCUMENT 00010-A – TABLE OF CONTENTS (3) Pages; SECTION 07270 – AIR BARRIERS (2) Pages; SECTION 07311 – ASPHALT SHINGLES (4) Pages; SECTION 07469 – WOOD SIDING (4) Pages; SECTION 07620 – SHEET METAL FLASHING AND TRIM (3) Pages; SECTION 08999 – MICROWAVE CONCEALMENT PANELS (4) Pages; SECTION 16100 – LIGHTNING PROTECTION (3) Pages; DRAWING C-101 – SITE PLAN, 24" X 36" (1); DRAWING C-102 – ENLARGED SITE PLAN, 24" X 36" (1); DRAWING C-201 – SITE PROFILES, 24" X 36" (1); DRAWING C-202 – SITE PROFILES, 24" X 36" (1); DRAWING S-001 – STRUCTURAL NOTES, 24" X 36" (1); DRAWING S-101 – ATTIC FLOOR & ROOF FRAMING PLANS, 24" X 36" (1); DRAWING S-201 – SECTION SHEET 2, 24" X 36" (1); DRAWING S-202 – SECTION & DETAIL SHEET 1, 24" X 36" (1); DRAWING S-204 – SECTION & DETAIL SHEET 3, 24" X 36" (1); DRAWING A-101 – FLOOR & CEILING PLANS, 24" X 36" (1); DRAWING A-102 – ATTIC, CUPOLA & ROOF PLANS, 24" X 36" (1); DRAWING A-201 – EXTERIOR ELEVATIONS, 24" X 36" (1); DRAWING A-202 – EXTERIOR ELEVATIONS, 24" X 36" (1); DRAWING A-301 – BUILDING SECTIONS, 24" X 36" (1); DRAWING A-401 – INTERIOR ELEVATIONS, RAMP & STAIR PLANS, 24" X 36" (1); DRAWING A-402 – WALL SECTIONS, 24" X 36" (1); DRAWING A-501 – CONSTRUCTION DETAILS, 24" X 36" (1); DRAWING A-601 – DOOR, WINDOW & FINISH SCHEDULES & DETAILS, 24" X 36" (1); DRAWING E-101 – ELECTRICAL PLANS, 24" X 36" (1); DRAWING E-102 – ELECTRICAL GROUNDING PLAN, 24" X 36" (1); DRAWING E-103 – SPECIAL SYSTEMS PLAN, 24" X 36" (1).

CHANGES TO THE PROJECT MANUAL

ITEM NO. 1

Narrative Summary: Adds and Deletes Necessary Sections.

DOCUMENT 00010 – TABLE OF CONTENTS

Delete: In its entirety.

Insert: DOCUMENT 00010-A – TABLE OF CONTENTS.

ITEM NO. 2

Narrative Summary: Delete Specification Section from Project Manual.

SECTION – 06600 – GLASS-REINFORCED PLASTIC FABRICATIONS

Delete: In its entirety.

ITEM NO. 3

Narrative Summary: Add Specification (Inadvertently Omitted).

SECTION – 07270 – AIR BARRIERS

Insert: SECTION 07270 – AIR BARRIERS

ITEM NO. 4

Narrative Summary: Add Specification (Inadvertently Omitted).

SECTION – 07311 – ASPHALT SHINGLES

Insert: SECTION 07311 – ASPHALT SHINGLES

ITEM NO. 5

Narrative Summary: Add Specification (Inadvertently Omitted).

SECTION – 07469 – WOOD SIDING

Insert: SECTION 07469 – WOOD SIDING

ITEM NO. 6

Narrative Summary: Add Specification (Inadvertently Omitted).

SECTION – 07620 – SHEET METAL FLASHING AND TRIM

Insert: SECTION 07620 – SHEET METAL FLASHING AND TRIM

ITEM NO. 7

Narrative Summary: Add New Specification Section.

SECTION – 08999 – MICROWAVE CONCEALMENT PANELS

Insert: SECTION 08999 – MICROWAVE CONCEALMENT PANELS

ITEM NO. 8

Narrative Summary: Revises Alarm Monitoring.

SECTION – 16140 – WIRING DEVICES

PART 2.4, Paragraph A

Remove: "…. and analog (0-5VDC)…."

ITEM NO. 9

Narrative Summary: Revises Temperature Sensors to Dry Contact Type.

SECTION – 16140 – WIRING DEVICES

PART 2.4, Paragraph C, Subparagraph 2

Remove: In its entirety.

Add: High and Low Level Temperature Limits: Johnson Controls A70 Series or equal. Heavy duty temperature limit controls with auxiliary contact closure at set point. 3/8" x 3" bulb capillary, screwdriver adjustment, manual reset. 35 to 80 degree F low limit, 90-170 degree high limit.

ITEM NO. 10

Narrative Summary: Add New Specification Section.

SECTION – 16100 – LIGHTNING PROTECTION

Insert: SECTION 16100 – LIGHTNING PROTECTION

ITEM NO. 11

Narrative Summary: Delete FSC Certification Section 06185.

Delete: Paragraph 2.2A in its entirety.

CHANGES TO THE DRAWINGS

ITEM NO. 12

Narrative Summary: Revises Drawing.

DRAWING G-001 – TITLE SHEET

Insert: In the "Schedule of Drawings" Table: Drawing S-204 SECTION & DETAIL SHEET 3.

ITEM NO. 13

Narrative Summary: Revises Drawing.

DRAWING C-101 – SITE PLAN

Delete: In its entirety.

Insert: C-101 – SITE PLAN - Revised per Addendum #7 dated 6/15/12.

ITEM NO. 14

Narrative Summary: Revises Drawing.

DRAWING C-102 – ENLARGED SITE PLAN

Delete: In its entirety.

Insert: C-102 – ENLARGED SITE PLAN – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 15

Narrative Summary: Revises Drawing.

DRAWING C-201 – SITE PROFILES

Delete: In its entirety.

Insert: C-201 –SITE PROFILES – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 16

Narrative Summary: Revises Drawing.

DRAWING C-202 – SITE PROFILES

Delete: In its entirety.

Insert: C-202 –SITE PROFILES – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 17

Narrative Summary: Revises Drawing.

DRAWING S-001 – STRUCTURAL NOTES
Delete: In its entirety.
Insert: S-001 – STRUCTURAL NOTES – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 18
Narrative Summary: Revises Drawing.
DRAWING S-101 – ATTIC FLOOR & ROOF FRAMING PLANS
Delete: In its entirety.
Insert: S-101 – ATTIC FLOOR & ROOF FRAMING PLANS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 19
Narrative Summary: Revises Drawing.
DRAWING S-201 – SECTION SHEET 2
Delete: In its entirety.
Insert: S-201 – SECTION SHEET 2 – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 20
Narrative Summary: Revises Drawing.
DRAWING S-202 – SECTION & DETAIL SHEET 1
Delete: In its entirety.
Insert: S-202 – SECTION & DETAIL SHEET 1 – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 21
Narrative Summary: Add Drawing.
DRAWING S-204 – SECTION & DETAIL SHEET 3
Insert: S-204 – SECTION & DETAIL SHEET 3– Sheet added per Addendum #7 dated 6/15/12.

ITEM NO. 22
Narrative Summary: Revises Drawing.
DRAWING A-101 – FLOOR & CEILING PLANS
Delete: In its entirety.
Insert: A-101 – FLOOR & CEILING PLANS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 23
Narrative Summary: Revises Drawing.
DRAWING A-102 – ATTIC, CUPOLA & ROOF PLANS
Delete: In its entirety.
Insert: A-102 – ATTIC, CUPOLA & ROOF PLANS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 24
Narrative Summary: Revises Drawing.
DRAWING A-201 – EXTERIOR ELEVATIONS
Delete: In its entirety.

Insert: A-201 – EXTERIOR ELEVATIONS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 25

Narrative Summary: Revises Drawing.

DRAWING A-202 – EXTERIOR ELEVATIONS

Delete: In its entirety.

Insert: A-202 – EXTERIOR ELEVATIONS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 26

Narrative Summary: Revises Drawing.

DRAWING A-301 – BUILDING SECTIONS

Delete: In its entirety.

Insert: A-301 – BUILDING SECTIONS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 27

Narrative Summary: Revises Drawing.

DRAWING A-401 – INTERIOR ELEVATIONS, RAMP & STAIR PLANS

Delete: In its entirety.

Insert: A-401 – INTERIOR ELEVATIONS, RAMP & STAIR PLANS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 28

Narrative Summary: Revises Drawing.

DRAWING A-402 – WALL SECTIONS

Delete: In its entirety.

Insert: A-402 – WALL SECTIONS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 29

Narrative Summary: Revises Drawing.

DRAWING A-501 – CONSTRUCTION DETAILS

Delete: In its entirety.

Insert: A-501 – CONSTRUCTION DETAILS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 30

Narrative Summary: Revises Drawing.

DRAWING A-601 – DOOR, WINDOW & FINISH SCHEDULES & DETAILS

Delete: In its entirety.

Insert: A-601 – DOOR, WINDOW & FINISH SCHEDULES & DETAILS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 31

Narrative Summary: Revises Drawing.

DRAWING E-101 – ELECTRICAL PLANS

Delete: In its entirety.

Insert: E-101 – ELECTRICAL PLANS – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 32

Narrative Summary: Revises Drawing.

DRAWING E-102 – ELECTRICAL GROUNDING PLAN

Delete: In its entirety.

Insert: E-102 – ELECTRICAL GROUNDING PLAN – Revised per Addendum #7 dated 6/15/12.

ITEM NO. 33

Narrative Summary: Revises Drawing.

DRAWING E-103 – SPECIAL SYSTEMS PLAN

Delete: In its entirety.

Insert: E-103 – SPECIAL SYSTEMS PLAN – Revised per Addendum #7 dated 6/15/12.

QUESTIONS

Question No. 1 Is the generator indoors or outdoors?

ANSWER **Indoors.**

Question No. 2 What decibel rating is the generator?

ANSWER **Not specified, critical grade muffler required.**

Question No. 3 Section 16231, Page 7 states 120 hour fuel tank; but Section 16231 page 10 states 68 hour fuel tank. Which is correct?

ANSWER **Minimum 68 hour fuel tank required at full load.**

Question No. 4 Cable Entries clarification????

ANSWER **Cable entry ports are part of the "E" Contract and specified in Section 16133.**

Question No. 5 Information needed on missing specification section. Section 16100 – Lightning Protection: Grounding of lightning protection system. Our company needs this information to produce a bid for this project.

ANSWER **Added Specification Section 16100 – Lightning Protection to this Addendum No. 7.**

Question No. 6 Drawings do not show ladder or other type of access from communications room to cupola/attic.

ANSWER **Ladder has been added. See revised Drawings.**

Question No. 7 Spec Section 02821 identifies fence as 10' while drawing A-101 shows 8'.

ANSWER **The fence height has been reduced to 7'-0" (to allow clearance for cable tray).**

Question No. 8 Would it be possible to waive the FSC standards for wood trusses? Suppliers believe that such a product is difficult to come by.

ANSWER **See Item #11 above.**

Question No. 9 S-201 Section 10 shows 2x6 studded gable wall and conventional ladder framed roof and ceiling back to T2 truss girder 4'-0" away. A-402 shows dropped gable end truss and dropped trusses under the roof ladder (no ceiling ladder framing).

ANSWER **A wood-framed (studded) gable wall is required as shown on structural drawings. The architectural drawings have been revised accordingly and included herewith.**

Question No. 10 Will a siding spec be issued soon?

ANSWER: **Specification Section 07469 – Wood Siding - is included herewith.**

END DOCUMENT

ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
AES PROJECT NO. 3760

DOCUMENT 00010-A

TABLE OF CONTENTS

Section Title

- Closeout Checklist

01800 Information Available to Bidders
- ATL Limited Hazardous Material Study, No. PL5260CE-01-02-11, dated February 2, 2011
- ATL Statement of Special Inspections

DIVISION 2 - SITE CONSTRUCTION
02055 Soils
02060 Aggregate
02221 Building Demolition
02311 Rough Grading
02315 Excavation and Fill
02316 Rock Removal
02320 Backfill
02324 Trenching
02821 Chain Link Fence and Gates

DIVISION 3 – CONCRETE
03300 Cast-In-Place Concrete

DIVISION 4 – MASONRY
04700 Manufactured Stone Veneer
04816 Concrete Unit Masonry

DIVISION 6 - WOOD AND PLASTICS
06100 Rough Carpentry
06112 Ramp and Stair Framing and Railings
06160 Sheathing
06185 Shop-Fabricated Wood Trusses

DIVISION 7 - THERMAL AND MOISTURE PROTECTION
07212 Board Insulation
07217 Blown Insulation
07260 Vapor Retarders
07261 Crawl Space Vapor Barrier
07270 Air Barriers
07311 Asphalt Shingles
07469 Wood Siding
07620 Sheet Metal Flashing and Trim
07840 Firestopping
07900 Joint Sealers

DIVISION 8 - DOORS AND WINDOWS
08255 Polyester Flush Doors
08311 Access Panels
08552 Aluminum-Clad Wood Windows
08710 Door Hardware
08800 Glazing
08999 Microwave Concealment Panels

DIVISION 9 - FINISHES
- 09250 Gypsum Board Systems
- 09650 Resilient Flooring
- 09900 Paints and Coatings

DIVISION 10 - SPECIALTIES
- 10210 Louvers
- 10523 Fire Extinguishers
- 10999 Clock

DIVISION 12 – FURNISHINGS
- 12355 Casework

DIVISION 15 - MECHANICAL
- 15060 Hangers and Supports
- 15080 Mechanical Insulation
- 15105 Pipes and Tubes
- 15760 Terminal Heating and Cooling Units
- 15810 Ducts
- 15820 Duct Accessories
- 15850 Air Outlets and Inlets

DIVISION 16 – ELECTRICAL
- 16060 Grounding and Bonding
- 16070 Electrical Supports and Seismic Restraints
- 16075 Electrical Identification
- 16100 Lightning Protection
- 16121 Medium-Voltage Cable
- 16123 Building Wire and Cable
- 16130 Raceway and Boxes
- 16133 Cable Trays for Communications Systems
- 16140 Wiring Devices
- 16231 Generator Set
- 16271 Pad-Mounted Transformers
- 16289 Transient Voltage Surge Suppressors
- 16413 Automatic Delayed Transition Transfer Switch
- 16440 Panelboards
- 16510 Interior and Exterior Luminaires
- 16530 Emergency Lighting
- 16720 Fire Alarm

END OF SECTION

ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
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SECTION 07270

AIR BARRIERS

PART 1 GENERAL

1.1 SUMMARY

A. Section includes air leakage criteria for primary air seal building enclosure materials and assemblies; materials and installation methods supplementing air seal materials and assemblies; and air seal materials to connect and seal openings, joints, and junctions between other air seal materials and assemblies.

1.2 REFERENCES

A. ANSI A58.1 - Minimum Design Loads For Buildings and Other Structures.

B. ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

C. ASTM C920 - Elastomeric Joint Sealants.

D. ASTM E283 - Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen.

E. ASTM E330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

F. SWRI (Sealant, Waterproofing and Restoration Institute) - Sealant and Caulking Guide Specification.

1.3 DEFINITIONS

A. Air Barrier: Continuous network of materials and joints providing air tightness, with adequate strength and stiffness to not deflect excessively under air pressure differences, to which it will be subjected in service. It can be comprised of single material or combination of materials to achieve performance requirements.

1.4 DESIGN REQUIREMENTS

A. Perform design work in accordance with ANSI A58.1.

1.5 SUBMITTALS

A. Product Data: Submit data on material characteristics, performance criteria, limitations.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Section 01600 - Product Requirements.

B. Maintain temperature and humidity recommended by materials manufacturers before, during and after installation.

1.7 COORDINATION

A. Section 01300 - Administrative Requirements: Coordination and project conditions.

B. Coordinate the Work of this section with sections referencing this section.

PART 2 PRODUCTS

2.1 AIR BARRIERS

A. Manufacturers:
   1. Dupont Tyvek – “Commercial Wrap”.
   2. Substitutions or approved equal: Section 01600 - Product Requirements.

B. Product Description:
   1. ASTM E-1677 Type 1.
   2. Non woven, non perforated, breathable building wrap.

2.2 ACCESSORIES

A. Tape: Polyethylene self adhering type, mesh reinforced, 50 mm wide, compatible with sheet material.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install air barrier to maintain continuity across different substrates and interface with construction.

B. Install over wood sheathing.

3.2 PROTECTION OF INSTALLED CONSTRUCTION

A. Section 01700 - Execution Requirements: Protecting installed construction.

B. Do not permit adjacent work to damage work of this section.

END OF SECTION

ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
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SECTION 07311

ASPHALT SHINGLES

PART 1 GENERAL

1.1 SUMMARY

A. Section includes granular surfaced asphalt shingle roofing, moisture shedding underlayment, eave, and valley protection.
   1. Provide associated metal flashings and accessories, matching fasteners, pre-molded plumbing roof sleeves, pre-finished aluminum drip edge, see Section 07620.

1.2 REFERENCES

A. ASTM B209/B209M - Aluminum and Aluminum-Alloy Sheet and Plate.

B. ASTM D225 - Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules.

C. ASTM D226 - Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.

D. ASTM D2178 - Asphalt Glass (Felt) Used in Roofing and Waterproofing.

E. ASTM 2822 – Asphalt Roof Cement.

F. ASTM 3018 – Class A Asphalt Shingles Surfaced with Mineral Granules.

G. ASTM D3161 – Test Method for Wind-Resistance of Asphalt Shingles (Fan-Induced Method).

H. ASTM D3462 – Asphalt Shingles Made From Glass Felt and Surfaced With Mineral Granules.

I. ASTM D4586 – Asphalt Roof Cement, Asbestos Free.

J. NRCA (National Roofing Contractors Association) – Steep Roofing Manual.

K. US 55B (Underwriters Laboratories, Inc.) – Class C Asphalt Organic-Felt Sheet Roofing and Shingles.

L. UL 580 (Underwriters Laboratories, Inc.) – Tests for Wind Uplift Resistance of Roof Assemblies.

M. UL 997 (Underwriters Laboratories, Inc.) – Wind Resistance of Shingles.

1.3 SUBMITTALS

A. Section 01330 - Submittal Procedures: Submittal procedures.

B. Product Data: Submit data indicating material characteristics, performance criteria, and limitations.

C. Samples: Submit two samples of each shingle color indicating color range and finish texture/pattern; for color and texture selection.

D. Manufacturer's Certificate: Provide Certificate of Compliance from an independent laboratory indicating that the asphalt fiber glass shingles made in normal production meet or exceed the requirements of the following:
   1. ASTM E108/UL 790 Class A Fire Resistance.
   2. ASTM D3161/UL 997 Type I Wind Resistance.
   3. ASTM 3462.

1.4 ENVIRONMENTAL REQUIREMENTS

A. Section 01600 - Product Requirements.

B. Do not install eave protection and shingles when surface, ambient air, or wind chill temperatures are below 45 degrees F.

1.5 WARRANTY

A. Section 01700 - Execution Requirements: Product warranties and product bonds.

B. Furnish lifetime manufacturer warranty for asphalt shingles.

1.6 EXTRA MATERIALS

A. Section 01700 - Execution Requirements: Spare parts and maintenance products.

B. Supply 35 sq. ft. of extra shingles of each color.

PART 2 PRODUCTS

2.1 ASPHALT SHINGLES

A. Manufacturers:
   1. Certainteed Landmark.
   2. IKO Cambridge.
   3. Owens Corning.
   4. Substitutions: Section 01600 - Product Requirements.

B. Product Description: Asphalt shingles conforming to ASTM D 3018 Type 1 – Self Sealing; UL Certification of ASTM D 3462, UL 997 Wind Resistance, and UL Class A Fire Resistance, glass fiber mat base; ceramically colored/UV resistant mineral surface granules across entire face of shingle; architectural style/tab.
   1. Weight: 305 pounds per square (100 square feet).
   2. Color: As selected by Architect from manufacturer’s standards.
   3. Algae resistant.
   4. Lifetime warranty. 10-year full warranty.

2.2 COMPONENTS

A. Eave (Ice Dam) Protection: Sheet barrier of rubberized asphalt bonded to sheet polyethylene, 40 mil total thickness, with strippable treated release paper; winter guard as manufactured by CertainTeed, or equal.

B. Underlayment: CertainTeed “Roofer’s” Select”; asphalt-impregnated fiberglass-reinforced organic felt designed for use on roof decks as a water-resistant layer beneath roofing shingles, or equal.

2.3 ACCESSORIES

A. Nails: Standard round wire shingle type hot dipped zinc coated steel type, of sufficient length to penetrate through roof sheathing.

B. Plastic Cement: ASTM D2822, Asphalt type with mineral fiber components, free of toxic solvents, capable of setting within 24 hours at temperatures of 75 degrees F and 50 percent RH.

C. Lap Cement: Fibrated cutback asphalt type, recommended for use in application of underlayment, free of toxic solvents.

D. Ridge Vents: Plastic, with vent openings that do not permit direct water or weather entry; V-400 style manufactured by COR-A-VENT.

E. Flashing Materials:
1. Sheet Flashings: Refer to Section 07620.

F. Bituminous Paint: Acid and alkali resistant type; black color.

2.4 FABRICATION

A. Form flashings to profiles indicated on Drawings, and to protect roofing materials from physical damage and shed water.

B. Form flashing sections square and accurate to profile, in maximum possible lengths, free from distortion or defects detrimental to appearance or performance.

C. Hem exposed edges of flashings minimum ¼ inch on underside.

D. Apply bituminous paint on concealed surfaces of flashings.

PART 3 EXECUTION

3.1 EXAMINATION

A. Section 01300 - Administrative Requirements: Coordination and project conditions.

B. Verify roof penetrations and plumbing stacks are in place and flashed to deck surface.

C. Verify deck surfaces are dry, free of ridges, warps, or voids.

3.2 PREPARATION

A. Fill knot holes and surface cracks with latex filler at areas of bonded eave protection.

B. Broom clean deck surfaces under eave protection and underlayment.

3.3 INSTALLATION

A. Eave (Ice Dam) Protection Installation:
1. Place eave edge and gable drip edge metal flashings tight with fascia boards. Weather lap joints minimum 2 inches and seal with plastic cement. Secure flange with nails, 2 rows, 3" D.C.
2. Provide rubberized membrane up-slope beyond outside edge of aluminum drip edge and around roof penetrations.

B. Protective Underlayment Installation:
1. Place one ply of underlayment over entire area with ends and edges weather lapped minimum 4 inches. Stagger end laps of each consecutive layer. Nail in place.

C. Valley Protection Installation:
1. Adhere one ply of rubberized membrane, centered over valleys. Weather lap joints minimum 2 inches.

D. Metal Flashing and Accessories Installation:
1. Weather lap joints and seal weather tight with plastic cement.
2. Flash and seal work weather tight.

E. Asphalt Shingles Installation:
1. Place shingles in straight coursing pattern with 5 inches weather exposure to produce double thickness over full roof area. Provide double course of shingles at eaves.
2. Project first course of shingles ¾ inch beyond fascia boards.
3. Extend shingles ½ inch beyond face of gable edge fascia boards.
4. Extend shingles on one slope across valley and fasten. Trim shingles from other slope 2 inches from valley center line to achieve closed cut valley, concealing valley protection.
5. Cap hips and ridges with individual shingles, maintaining 5 inch weather exposure. Place to avoid exposed nails.
6. Coordinate installation of roof mounted components or work projecting through roof with weather tight placement of Counter-flashings.
7. Complete installation to provide weather tight service.

3.4 PROTECTION OF INSTALLED CONSTRUCTION

A. Section 01700 - Execution Requirements: Protecting installed construction.

B. Do not permit traffic over finished roof surface.

END OF SECTION

ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
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SECTION 07469

WOOD SIDING

PART 1 GENERAL

1.1 SUMMARY

A. Section includes sheathing paper, wood siding for walls, related trim, corner boards, flashings, accessories, and fastenings.
   1. Type of Siding: “Log” style horizontal boards and cedar shingles.
   2. Fascia and soffit.
   3. Log style trim.

B. Related Sections:
   1. Section 07900 - Joint Sealers.
   2. Section 09900 - Paints and Coatings.
   3. Section 06112 – Framing and Sheathing.

1.2 REFERENCES

A. Cedar Shake and Shingle Bureau (CSSB).

B. ASTM International:
   1. ASTM D226 - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.

C. American Wood-Preservers’ Association:
   1. AWPA C2 - Lumber, Timbers, Bridge Ties, and Mine Ties, Pressure Treatment.
   2. AWPA C9 - Plywood - Preservative Treatment by Pressure Process.

D. National Institute of Standards and Technology:
   1. NIST PS 20 - American Softwood Lumber Standard.

E. Northeastern Lumber Manufacturers Association:
   1. NELMA - Standard Grading Rules for Northeastern Lumber.

1.3 SUBMITTALS

A. Section 01330 - Submittal Procedures: Submittal procedures.

B. Product Data: Submit data indicating materials, component profiles, fastening methods, jointing details, sizes, surface texture, finishes, and accessories.

1.4 QUALITY ASSURANCE

A. Grade materials in accordance with the following:
   1. Lumber Grading: Certified by NELMA.

2. Shingles: Per CSSB.

B. Maintain one copy of each document on site.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Section 01600 - Product Requirements: Product storage and handling requirements.

B. Store in ventilated areas with constant minimum temperature of 60 degrees F and maximum relative humidity of 55 percent.

1.6 WARRANTY

A. Section 01700 - Execution Requirements: Product warranties and product bonds.

B. Furnish five year manufacturer warranty for wood siding.

PART 2 PRODUCTS

2.1 WOOD SIDING

A. Horizontal Boards: “Log” style (round 6” nominal face) siding, kiln-dried lumber siding, maximum 10 percent moisture content, eastern white pine species, rabbetted joints.

B. Cedar Shingles: CSSB sized and graded, No. 2 (Red Label) long, even bottom style.

C. Fascia: 5/4” thick x height, EWP species, premium grade.

D. Soffit: ½” CDX plywood with AC veneer.

E. Log Style Trim: Eastern white pine, debarked, size as noted on drawings.

2.2 SHEATHING

A. Exterior Plywood: APA/EWA Panel CDX type, sanded; Group 1 species face veneer; core material of veneer.

2.3 ACCESSORIES

A. Nails: Hot dipped galvanized type; non-staining, of size and strength to securely and rigidly retain the work.

B. Building Paper: Spun bonded polyolefin (Tyvek or equal).

C. Flashing: Refer to Spec Section 07620.

D. Accessory Components: Starter strips, and corner boards of same material and finish as siding, manufactured from whole logs to profiles indicated on drawings.

E. Preservative: Clear wood saturating type.

2.4 FABRICATION - BOARD SIDING

A. Board Siding:
1. Size: 3 inch thick, 6 inch high nominal board with 1/2 inch lap joint.
2. Board Profile: Rabbeted lap joint.
3. Surface Texture: Sanded.

PART 3 EXECUTION

3.1 EXAMINATION

A. Section 01300 - Administrative Requirements: Coordination and project conditions.

B. Verify framing, substrate surfaces, and wall openings are ready to receive work.

3.2 PREPARATION

A. Preservative Treatment: Apply preservative treatment in accordance with AWPA.
1. Verify materials do not exceed specified percent moisture content before applying wood preservative treatment.
2. Brush apply two coats of preservative treatment to siding and related trim.

B. Treat site-sawn ends of wood siding. Allow preservative to cure prior to erecting materials.

C. Prime paint surfaces in contact with cementitious materials.

3.3 INSTALLATION - BUILDING PAPER

A. Building Paper: Install one layer of building paper horizontally on sheathed walls.
1. Weather lap edges and ends minimum 6 inches.
2. Stagger vertical joints.
3. Staple in place.

3.4 INSTALLATION - SIDING

A. Board Siding: Install board siding using single course method with 6 inch approximate exposure.
1. Install metal flashings at internal and external corners, sills, and head of wall openings and gables.
2. Nail at maximum 12 inches oc. Fasten siding in place level and plumb. Nail to aligned pattern.
3. Miter horizontal joints tight at 45 degrees. Miter external corners.
4. Install siding for natural shed of water.
5. Position cut ends over bearing surfaces. Sand cut edges smooth and clean.
6. Install corner strips, closures, trim.

7. Touch-up prefinished disfigured painted surfaces. Unsightly touch-up will require removal and replacement of affected siding.

B. Shingle Siding:
1. Place shingles in accordance with CSSB requirements to produce straight coursing pattern with 6 inch approximate weather exposure to produce double coverage.
2. Install shingles with 0.25 to 0.375 inch space between shingles.
3. Stagger side laps in adjacent courses minimum 1.5 inches.
4. Complete installation to provide weather tight service.

C. Preparation for Site Finishing:
1. Set exposed fasteners, fill set holes, sand smooth.
2. Site Finishing: Specified in Section 09900.

3.5 ERECTION TOLERANCES

A. Section 01400 - Quality Requirements: Tolerances.

B. Maximum Variation From Plumb Level: 1/4 inch per 10 feet.

C. Maximum Offset From Joint Alignment: 1/8 inch.

END OF SECTION

SECTION 07620

SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
   1. Sheet metals.
   2. Miscellaneous materials.
   3. Fabrication.

1.2 SUBMITTALS

A. Product Data: For each product indicated.

B. Shop Drawings: Show layouts, profiles, shapes, seams, dimensions, and details for fastening, joining, supporting, and anchoring sheet metal flashing and trim.

C. Samples: For each type of sheet metal flashing and trim.

1.3 QUALITY ASSURANCE

A. Sheet Metal Flashing and Trim Standard: Comply with SMACNA's "Architectural Sheet Metal Manual." Conform to dimensions and profiles shown unless more stringent requirements are indicated.

B. Preinstallation Conference: Conduct conference at Project site.

PART 2 - PRODUCTS

2.1 SHEET METALS

A. Aluminum Sheet: ASTM B 209, Alloy 3003, 3004, 3105, or 5005, Temper suitable for forming and structural performance required, but not less than H14, finished as follows:
   1. Siliconized-Polyester Coating: Epoxy primer and silicone-modified, polyester-enamel topcoat.
      a. Color: As selected by Architect from manufacturer's full range.

2.2 MISCELLANEOUS MATERIALS

A. General: Provide materials and types of fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation.

B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads.

1. Exposed Fasteners: Heads matching color of sheet metal by means of plastic caps or factory-applied coating Stainless steel where indicated.
2. Fasteners for Flashing and Trim: Blind fasteners or self-drilling screws, gasketed, with hex washer head.
3. Blind Fasteners: High-strength aluminum or stainless-steel rivets.

C. Sealing Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealing tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape.

D. Elastomeric Sealant: ASTM C 920, elastomeric polyurethane polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.

E. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant, polyisobutylene plasticized, heavy bodied for hooked-type expansion joints with limited movement.

F. Bituminous Coating: Cold-applied asphalt mastic, SSPC-Paint 12, compounded for 15-mil dry film thickness per coat.

2.3 FABRICATION, GENERAL

A. General: Custom fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated. Shop fabricate items where practicable. Obtain field measurements for accurate fit before shop fabrication.

B. Fabricate sheet metal flashing and trim without excessive oil canning, buckling, and tool marks and true to line and levels indicated, with exposed edges folded back to form hems.
1. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
2. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.

C. Sealed Joints: Form nonexpansion but movable joints in metal to accommodate elastomeric sealant to comply with SMACNA recommendations.

D. Expansion Provisions: Where lapped or bayonet-type expansion provisions in the Work cannot be used, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with elastomeric sealant concealed within joints.

E. Conceal fasteners and expansion provisions where possible on exposed-to-view sheet metal flashing and trim, unless otherwise indicated.

F. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal, and in thickness not less than that of metal being secured.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. General: Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement. Use fasteners, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
   1. Torch cutting of sheet metal flashing and trim is not permitted.

B. Metal Protection: Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended by fabricator or manufacturers of dissimilar metals.

C. Install exposed sheet metal flashing and trim without excessive oil canning, buckling, and tool marks.

D. Install sheet metal flashing and trim true to line and levels indicated. Provide uniform, neat seams with minimum exposure of solder, welds, and elastomeric sealant.

E. Install sheet metal flashing and trim to fit substrates and to result in watertight performance. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
   1. Space cleats not more than 12 inches apart. Anchor each cleat with two fasteners. Bend tabs over fasteners.

F. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet with no joints allowed within 24 inches of corner or intersection. Where lapped or bayonet-type expansion provisions cannot be used or would not be sufficiently watertight, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with elastomeric sealant concealed within joints.

G. Fasteners: Use fasteners of sizes that will penetrate substrate not less than 1-1/4 inches for nails and not less than 3/4 inch for wood screws.
   1. Aluminum: Use stainless-steel fasteners.
   2. Copper: Use stainless-steel fasteners.

H. Seal joints with elastomeric sealant as required for watertight construction.

END OF SECTION

ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
AES PROJECT NO. 3760

SECTION 08999

MICROWAVE CONCEALMENT PANELS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work of this section.

1.2 SUMMARY

A. This section includes the following Products & Fabrications:
   1. Microwave Concealment Panels (MCP) for Cupola Openings.

1.3 SCOPE OF WORK

A. Furnish all labor, materials, equipment and incidentals necessary to install the microwave concealment panels (MCP) products as specified herein.

1.4 QUALITY ASSURANCE

A. The material covered by these specifications shall be furnished by a certified manufacturer of proven ability who has regularly engaged in the manufacture and installation of MCP systems.

B. Substitution of any component or modification of system shall be made only when approved by the Architect or Engineer.

C. Fabricator Qualifications: Firm experienced in successfully producing MCP fabrications similar to that indicated for this project, with sufficient production capacity to produce required units without causing delay in the work.

D. In addition to requirements of these specifications, comply with manufacturer’s instructions and recommendations for work.

1.5 DESIGN CRITERIA

A. The design of MCP products including connections shall be in accordance with governing building codes and applicable standards.

B. Structural members shall be designed to support all applied loads. Deflection in any direction shall not be more than L/180 of span for structural members. Connections shall be designed to transfer the loads.

C. Panels shall be designed to withstand applicable wind loads in excess of 110 mph at an elevation of 6,000 ft. above sea level.

D. Panels shall be weather tight construction.

E. Panels shall allow radio frequencies up to 80 GHz and a maximum of 1db loss.

1.6 SUBMITTALS

A. Shop drawings of all fabricated MCP shall be submitted to the Architect for approval. Fabrication shall not start until receipt of Architect's approval marked "Approved As Submitted" or "Approved As Noted".

B. Manufacturer's catalog data showing:
1. Materials of construction

C. Detail shop drawings showing:
1. Dimensions
2. Sectional assembly
3. Location and identification mark
4. Size and type of supporting frames required

1.7 SHIPPING AND STORAGE INSTRUCTIONS

A. All systems, sub-systems and structures shall be shop fabricated and assembled into the largest practical size suitable for transporting.

B. All materials and equipment necessary for the fabrication and installation of MCP and appurtenances shall be stored before, during, and after shipment in a manner to prevent cracking, twisting, bending, breaking, chipping or damage of any kind to the materials or equipment. Any material which, in the opinion of the Architect, has become damaged as to be unfit for use, shall be promptly removed from the site of work, and the Contractor shall receive no compensation for the damaged material or its removal.

C. Identify and match-mark all materials, items and fabrications for installation and field assembly.

PART 2 PRODUCTS

2.1 GENERAL

A. Materials used in the manufacture of the MCP products shall be raw materials in conformance with the specification.

B. All materials shall be of the kind and quality specified.

C. All MCP products noted in 2.2 shall be manufactured using a pultruded process utilizing polyester or vinyl ester resin with flame retardant and ultraviolet (UV) inhibitor additives. A synthetic surface veil shall be the outermost layer covering the exterior surface. The flame retardant FRP shapes shall achieve a flame spread rating of 25 or less in accordance with ASTM test method E-84.

D. If required, after fabrication, all cut ends, holes and abrasions of FRP shapes shall be sealed with a compatible resin coating.

E. FRP products exposed to weather shall contain an ultraviolet inhibitor. Should additional ultraviolet protection be required, a one mil minimum UV coating can be applied.

F. All exposed surfaces shall be smooth and true to form.

G. Manufacturers:
1. Atlantic Concealment, Windham, ME, www.atlantic-concealment.com.
2. Stealth Concealment Solutions Inc., N. Charleston, SC, www.stealthsite.com.
3. Or equal manufacturer approved by architect, design engineer or owner.

H. Fasteners: Stainless steel for all bolts, screws, etc.

2.2 STRUCTURAL SHAPES (FRAMING)

A. Material
1. Structural shapes and plate shall be made from isophthalic polyester or vinyl ester resin with fire retardant additives to meet a flame spread rating of less than 25 per ASTM E-84 and meet the self-extinguishing requirements of ASTM D-635. All structural shapes shall contain a UV inhibitor.

B. Process
1. Manufactured by the pultrusion process.
2. Structural FRP members' composition shall consist of a glass fiber reinforced polyester or vinyl ester resin matrix, approximately 50% glass by weight. A synthetic surface veil shall be the outermost layer covering the exterior surfaces. Glass strand rovings shall be used internally for longitudinal strength. Continuous strand glass mats or stitched reinforcements shall be used internally for transverse strength.

2.3 PANELS

A. Features and Applications for Flexible MicrowaveWindow™ Panel:
1. RF friendly up to 80 GHz.
2. Very Low Dielectric Constant and Loss Tangent.
3. Weather and Insect Resistant.
4. UV treated.
5. Stand-alone product includes innovative pre-tensioned FRP frame.
6. Color – white.

B. Typical Data – Flexible Microwave Window
1. Mechanical:

Maximum frame dimensions:	8 ft x 10 ft
Typical frame material:	FRP (fiberglass)
Radome material:	Polyester or PTFE composite
Membrane tensile strength:	4300 N/s cm typical
Membrane weight:	890 g/m^2 typical
Membrane thickness:	1 mm +/- typical

	Membrane water absorption:	.5% typical
	Rough opening material required:	Wood or metal
	UV stabilized:	Yes
	Paintable surface:	No (frame is painted)
	Membrane colors:	White is standard, other colors available
	FRP frame:	Pre-fabricated by factory
	Frame depth:	6” typical
	Membrane tensioning:	Spring loaded proprietary tensioning system
2.	RF	
	Insertion loss at nominal incidence:	Less than 1 db thru 80 GHz
	Dielectric Constant @ 10GHz	2.8 (typical)

PART 3 EXECUTION

3.1 PREPARATION

A. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions and directions for installation of anchorages. Coordinate delivery of such items to project site.

3.2 INSTALLATION, GENERAL

A. Fastening to in-place construction: Provide anchorage devices and fasteners where necessary for securing miscellaneous MCP fabrications to in-place construction; include threaded fasteners for concrete and masonry inserts, toggle bolts, through-bolts, lag bolts and other connectors as determined by the Architect.

B. Cutting, fitting and placement: Perform cutting, drilling and fitting required for installation of miscellaneous MCP fabrications. Set MCP fabrication accurately in location, alignment and elevation; with edges and surfaces level, plumb, true and free of rack; measured from established lines and levels.

3.3 INSTALLATION

A. If required, all field cut and drilled edges, holes and abrasions shall be sealed with a catalyzed resin compatible with the original resin as recommended by the manufacturer.

B. Install items specified as indicated and in accordance with manufacturer’s instructions.

C. Panels shall be installed by the MCP manufacturer’s representative or certified installer and cannot be installed by the general contractor.

END OF SECTION

SECTION 16100

LIGHTNING PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes lightning protection for the following buildings:
   1. Little Whiteface Ski Patrol Building

1.2 RELATED SECTIONS

A. Related Sections include the following:
   1. Section 16060: Grounding and Bonding.
   2. Section 16070: Electrical Supports
   3. Section 16130: Raceway and Boxes.

1.3 REFERENCES

A. Underwriters Laboratories, UL96 - Standard for Lightning Protection Components

B. Underwriters Laboratories, UL96A - Standard for Lighting Protection System Installation

C. National Fire Protection Association, NFPA 780 – Standard for Lightning Protection System Installation.

D. Lightning Protection Institute, LPI 175 – Lightning Protection Standard.

1.4 SUBMITTALS

A. Product Data: For air terminals and mounting accessories.

B. Shop Drawings: Detail lightning protection system, including air-terminal locations, conductor routing and connections, and bonding and grounding provisions. Indicate size and type of grounding for down conductors, roof conductors, air terminals and thru wall/roof assemblies. Include indications for use of raceway and data on how concealment requirements will be met.

C. Qualification data for firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include data on listing or certification by nationally recognized testing laboratory (NRTL) or trade association.

D. Certification, signed by Contractor, that roof adhesive for air terminals is approved by manufacturers of both the terminal assembly and roofing material.

E. Field inspection reports indicating compliance with specified requirements.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced installer who is NRTL listed or who is certified by LPI as a Master Installer/Designer.

B. Listing and Labeling: As defined in NFPA 780, Article 2-2, "Definitions."

C. Provide UL Master Label Certification.

D. Provide LPI certification of system.

E. Provide ETL Master Label indicating system complies with specified requirements.

1.6 COORDINATION

A. Coordinate installation of lightning protection with installation of other building systems and components, including electrical wiring, supporting structures and building materials, metal bodies requiring bonding to lightning protection components, and building finishes.

B. Coordinate installation of air terminals attached to roof systems with roofing manufacturer and installer.

PART 2 - PRODUCTS

2.1 LIGHTNING PROTECTION SYSTEM COMPONENTS

A. Manufacturer – East Coast Lightning Protection Equipment, Inc., or equal.

B. System Class: Class 1.

C. Conductors: Bare Copper. Locations where conductors are mounted to aluminum (flashings and antenna support) use aluminum conductors to prevent galvanic corrosion of dissimilar metals.

D. Roof-Mounting Air Terminals: Class I, copper, solid, taper, UL listed.

E. Ground Rods, Ground Loop Conductors, and Concrete-Encased Electrodes: Comply with Division 16 Section "Grounding and Bonding" and standards referenced in this Section.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install lightning protection components and systems according to UL 96A.

B. Install conductors with direct paths from air terminals to ground connections. Avoid sharp bends and narrow loops.

C. Conceal the following conductors:
1. System conductors.
2. Down conductors.

3. Interior conductors.
4. Notify Architect at least 48 hours in advance of inspection before concealing lightning protection components.

D. Cable Connections: Use approved exothermic-welded connections for all conductor splices and connections between conductors and other components,.

E. Bond lightning protection components with intermediate-level interconnection loop conductors to grounded metal bodies of building at 60-foot intervals.

3.2 CORROSION PROTECTION

A. Do not combine materials that can form an electrolytic couple that will accelerate corrosion in the presence of moisture unless moisture is permanently excluded from junction of such materials.

B. Use conductors with protective coatings where conditions would cause deterioration or corrosion of conductors.

3.3 FIELD QUALITY CONTROL

A. Periodic Inspections: Engage an LPI inspector to perform periodic inspections during construction and at its completion, according to LPI-177.

B. UL Inspection: Apply for inspection by UL as required to obtain a UL Master Label for system.

C. ETL Inspection: Engage an ETL inspector to inspect completed system for compliance with specified requirements.

END OF SECTION

Grid North.

N

Utility pole w/ underground

To Whiteface Mountain Az=320° 33' 53.68"

UHF Az=350° 00' 00.00"

To Terry Mountain Az=035° 05' 30.36"

4 Stand pipes

Water pump house

Reputed location of underground electric line (not confirmed)

Project Benchmark: (Chiseled "+" on southeasterly rim of monitoring well) Elev.=3,648.42'

Vent pipe

C-1 Underground oil tank

WHITEFACE MOUNTAIN

FERRY MOUNTAIN

108.06

25'

68'

100.19

18'

87'

116'

42.28

46'

UNDERGROUND SECONDARY ELECTRIC

35 KV XFMR & VALUT

F.F. = 3,651.0

Ski Patrol building

Ridge El. = 3,665

ORDA SKI PATROL & ESSEX CO. COMMUNICATIONS BUILDING

Propane tanks

UNDERGROUND PRIMARY ELECTRIC

Guidey Baseline

Reputed location (not confirmed)

Ramp

Conc.

Lift ramp

Lift control booth

Transformer vault

Booth

Steps

Deck

Gondola

Observation deck

Chiseled "+" on exposed bedrock

UNDERGROUND PRIMARY ELECTRIC

16 0 16 32 48

Scale 1" = 16'

Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County – Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 C-100's Revised.dwg

AES NORTHEAST

Architecture, Engineering, and Land Surveying Northeast, PLLC
10 -12 City Hall Place, Plattsburgh, NY 12901
Phone: (518) 561-1598 Fax: (518) 561-1990

ARCHITECT – ENGINEER – LAND SURVEYOR

DRAWING NOTES:

1. CONTRACTOR IS NOT PERMITTED TO CUT OR REMOVE ANY TREES. PROTECT EXISTING TREES @ ALL TIMES.
2. CONTRACTOR SHALL COMPLETELY DEMOLISH & REMOVE EXISTING SKI PATROL BUILDING.
3. CONTRACTOR SHALL REMOVE EXISTING POWER FEED TO EXISTING SKI PATROL BUILDING. CONTRACTOR SHALL REMOVE DAMAGED & EXPOSED 4" PVC CONDUIT & REPLACE/ EXTEND WITH RIGID STEEL TO NEW BUILDING.
4. REMOVE PORTION OF XFMR PLATFORM FOR INSTALLATION OF NEW PRIMARY LOOP FEED. RESTORE PLATFORM TO ORIGINAL CONDITION UPON COMPLETION OF WORK.
5. REFER TO 'E' DRAWINGS FOR PRIMARY & SECONDARY FEEDER SIZING, TRENCHING & XFMR INSTALLATION.
6. PERIMETER GROUND RING. REFER TO DWG. E-102 & SPEC 16060 FOR REQUIREMENTS.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

SITE PLAN

REVISIONS

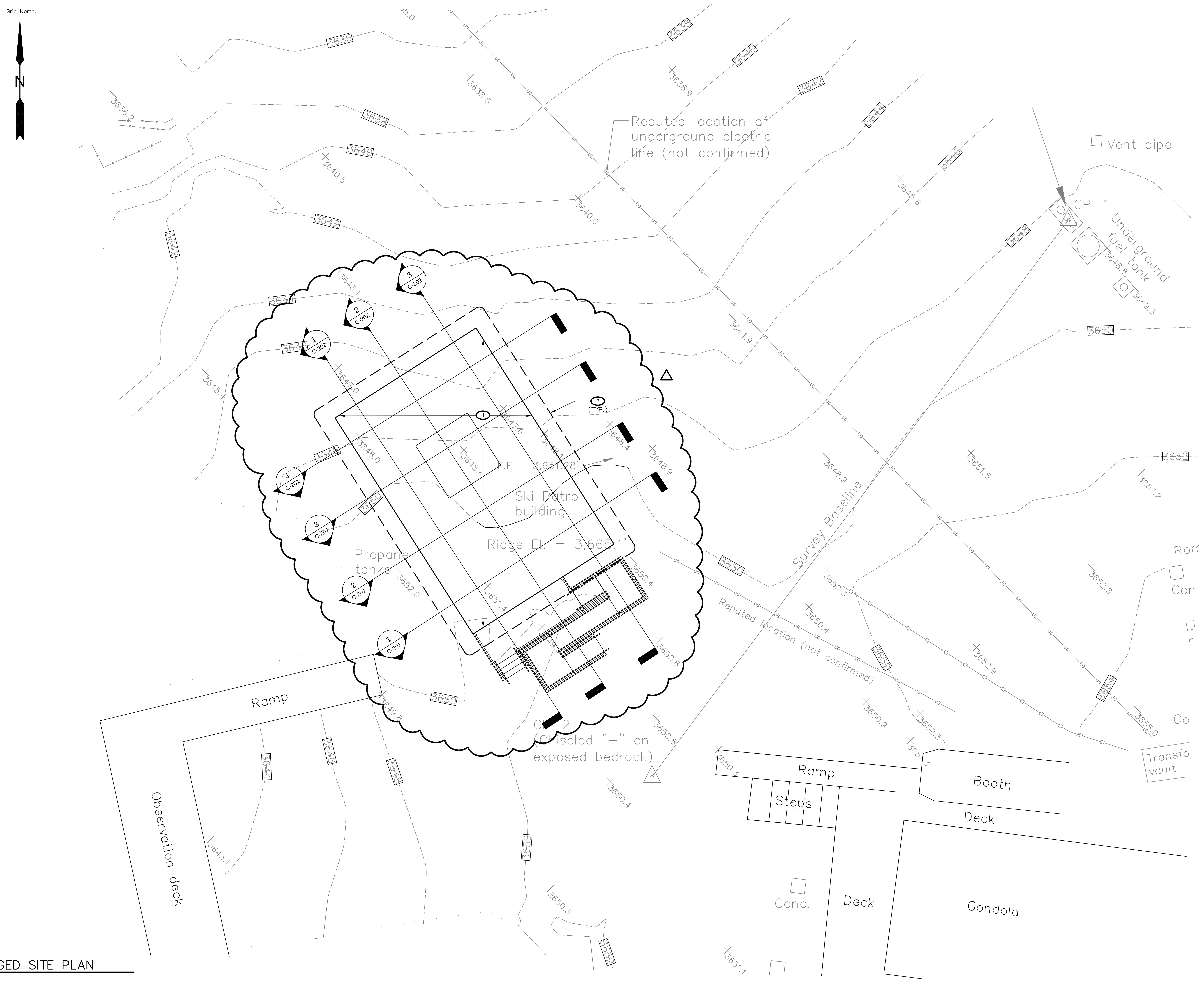
NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

1" 2" 3" 4"

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

C-101



ENLARGED SITE PLAN
2 / C-102
SCALE: 1:8

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ARCHITECT – ENGINEER – LAND SURVEYOR

GENERAL NOTES:

1. PURPORTED FINDINGS: BUILDING SITE IS MADE UP OF MOSTLY BEDROCK AND COBLE. THERE IS SOME LIMITED TOPSOIL (ABOUT 12") UNDER THE NORTHERN PORTION OF THE BUILDING SITE. IN SOME AREAS BEDROCK IS AT THE SURFACE AND IN SOME AREAS THE BEDROCK IS 8" TO 12" BELOW THE SURFACE.

DRAWING NOTES:

(1) CONTRACTOR SHALL EXCAVATE DOWN TO SOLID BEDROCK FOR NEW FOUNDATION. CONTRACTOR SHALL REMOVE ANY BEDROCK OUTCROPPINGS THAT INTERFERE WITH BUILDING LOCATION. CONTRACTOR SHALL EXCAVATE SO THAT 12" OF CLEARANCE IS MAINTAINED BETWEEN BOTTOM OF FLOOR JOIST AND TOP OF BEDROCK AND ALLOW FOR MIN. 12" HIGH CONCRETE GRADE BEAM FOUNDATION.

(2) CONTRACTOR SHALL EXCAVATE 3'–0" HORIZONTALLY FROM PERIMETER OF BUILDING SO THAT 12" OF COVER IS MAINTAINED BETWEEN GROUNDING RING AND NEW FINISH GRADE; OR TRENCH 12" BELOW GRADE FOR GROUNDING RING.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

ENLARGED SITE PLAN

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

C–102

Plot Date: 06/15/2012 Plot Time: 12:28 PM
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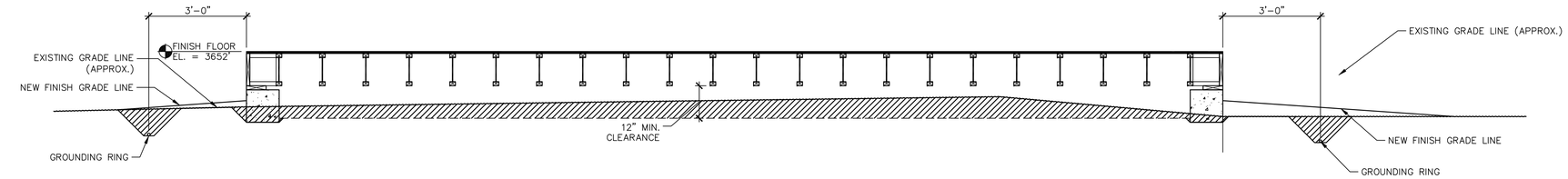
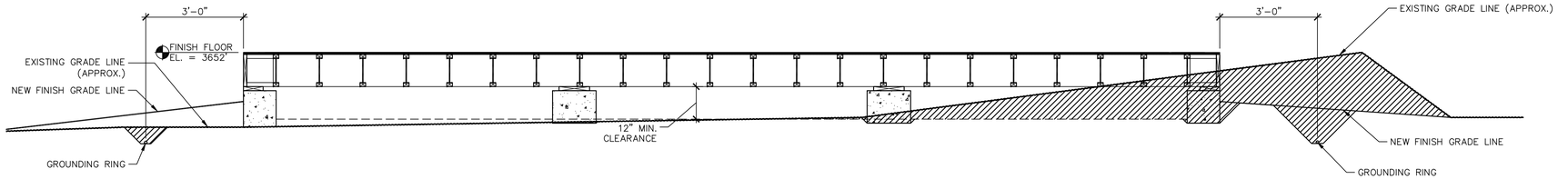


1 C-20 SITE PROFILE
SCALE: 1/2" = 1'-0"



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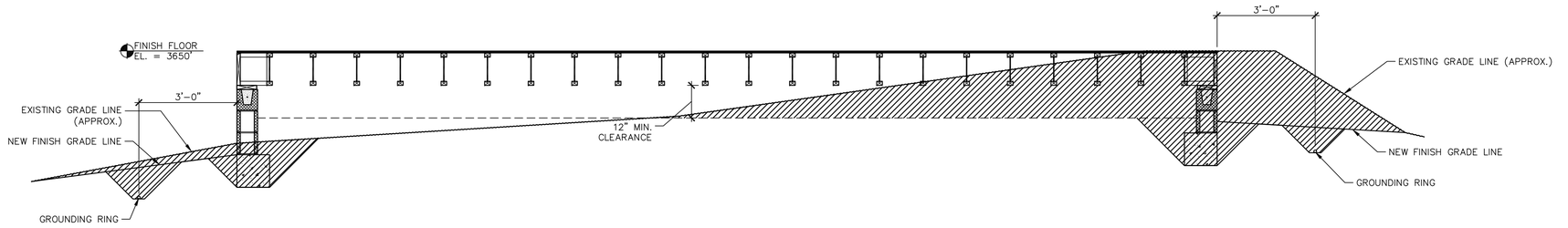
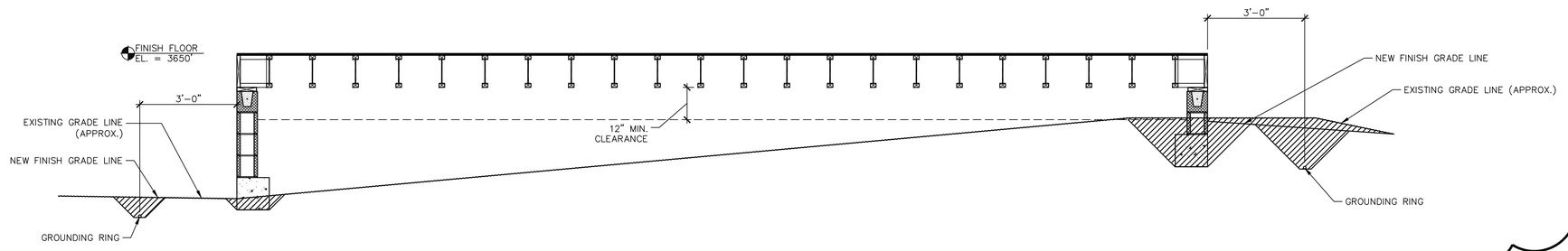
SCALE: 1/2" = 1'-0"



3 C-20 SITE PROFILE
SCALE: 1/2" = 1'-0"



4 C-20 SITE PROFILE
SCALE: 1/2" = 1'-0"

1

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ARCHITECT – ENGINEER – LAND SURVEYOR

GENERAL NOTES:

1. CONTRACTOR SHALL BACKFILL FOUNDATION. SLOPE NEW FINISH GRADE 1:20 MIN. SLOPE AWAY FROM FOUNDATION.

LEGEND:

AREAS OF EXCAVATION/ROCK REMOVAL

PROJECT TITLE:
ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

SITE PROFILES

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

C-201

Plot Date: 06/15/2012 Plot Time: 12:28 PM
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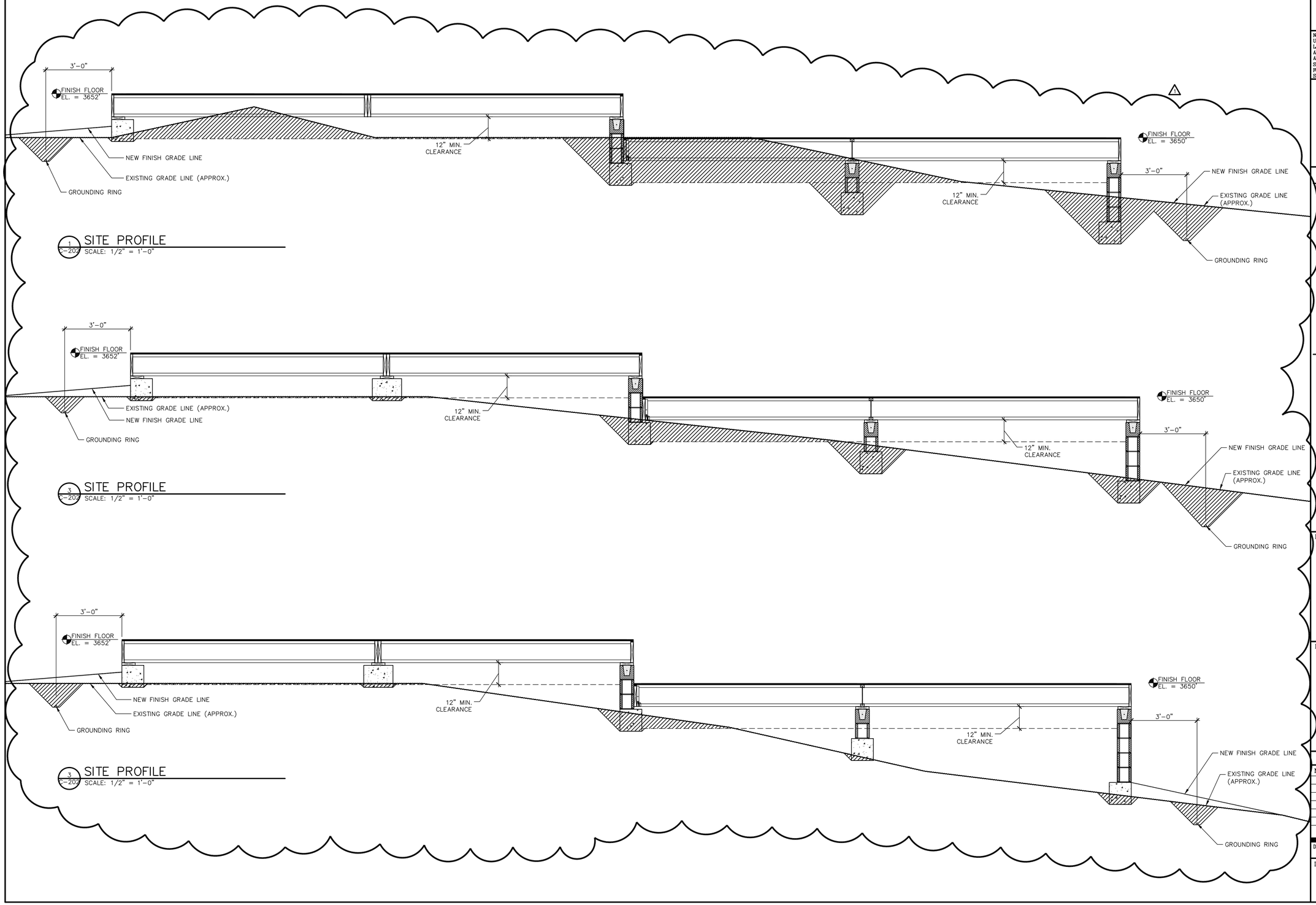

1 C-202 SITE PROFILE
SCALE: 1/2" = 1'-0"

3 C-202 SITE PROFILE
SCALE: 1/2" = 1'-0"

3 C-202 SITE PROFILE
SCALE: 1/2" = 1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

GENERAL NOTES:

1. CONTRACTOR SHALL BACKFILL FOUNDATION. SLOPE NEW FINISH GRADE 1:20 MIN. SLOPE AWAY FROM FOUNDATION.

LEGEND:

AREAS OF EXCAVATION/ROCK REMOVAL

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

SITE PROFILES

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

C-202

Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County – Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 C-200's Revised.dwg

GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH ARCHITECTURAL & MECHANICAL DRAWINGS & SHALL CONFORM TO THE PROJECT SPECIFICATIONS & THE BUILDING CODE OF NEW YORK STATE.

2. DESIGN LOADS:

   ROOF LOADS:

   SNOW – 99 psf Sloped Roof
   134 psf Ground Snow
   SNOW EXPOSURE FACTOR Ce = 0.8
   SNOW IMPORTANCE FACTOR I = 1.2
   THERMAL FACTOR Ct = 1.1
   DEAD – 20 psf TOTAL
   (NOTE: APPLY 10 psf TO BOTTOM CHORD & 10 psf TO TOP CHORD OF TRUSS)

   DRIFT, SLIDING & UNBALANCED SNOW LOADS PER ASCE 7–05
   (SEE TRUSS LOADING DIAGRAMS DWG. S–203 FOR MORE INFORMATION).

   FLOOR LOADS:

   DEAD LOAD – 12 psf ALL AREAS
   SKI PATROL ROOM LIVE LOAD – 100 psf
   COMMUNICATIONS ROOM LIVE LOAD – 100 psf
   STORAGE ROOM LIVE LOAD – 125 psf
   GENERATOR ROOM LIVE LOAD – 125 psf
   ATTIC BELOW CUPOLA – 100 psf
   ATTIC @ ALL OTHER AREAS – 20 psf

   LATERAL LOADS:

   WIND LOAD – BUILDING CODE OF NYS, (PER ASCE 7–05)
   FOR MAIN WIND FORCE RESISTING SYSTEM & COMPONENT FORCES.
   – EXPOSURE CATEGORY D
   – WIND IMPORTANCE FACTOR = 1.15
   – 3–SECOND GUST BASIC WIND SPEED = 90 MPH
   – TOPOGRAPHIC FACTOR Kzt = 1.742

   SEISMIC LOAD

   SEISMIC OCCUPANCY CATEGORY IV
   SEISMIC DESIGN CATEGORY C
   Sds = 0.29, Sd1 = 0.08
   SITE CLASS D
   SEISMIC FORCE RESISITING SYSTEM
   LIGHT FRAMED WALLS WITH SHEAR PANELS
   R = 6.5
   DESIGN BASE SHEAR (V) = 4.51 kips
   EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7.05)
   Ie = 1.5

CONCRETE NOTES

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'c) AT 28 DAYS SHALL BE AS FOLLOWS:
   FOUNDATION GRADE BEAMS AND PIERS – 4000 psi

2. CONCRETE PLACED IN COLD WEATHER SHALL MEET THE REQUIREMENTS OF ACI 306 "COLD WEATHER CONCRETE".

3. TOP OF FOUNDATION WALL CONCRETE SHALL RECEIVE A STEEL TROWEL FINISH.

4. ALL SIDE SURFACES SHALL HAVE A FORM FINISH FREE OF HONEYCOMBING AND IRREGULARITIES IN EXCESS 1/4" FROM PLANE OF THE SURFACE. PATCH ALL HONEYCOMBED AREAS WITH NON–SHRINK GROUT.

5. CURE ALL CONCRETE: MOIST CURE FOR 7 DAYS MIN. OR CURE WITH LIQUID MEMBRANE CURING COMPOUND, MEETING REQUIREMENTS OF ASTM C 309, TYPE 1, APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY CURING COMPOUND'S COMPATIBILITY WITH ADHESION OF ARCHITECTURAL FINISHES.

6. ALL ANCHOR BOLTS SHALL COMPLY WITH ASTM A307. HOT–DIP GALVANIZE ALL ANCHOR BOLTS AND ASSOCIATED HARDWARE PER ASTM A153.

7. ALL REINFORCEMENT SHALL COMPLY WITH ASTM A615, GR. 60.

8. THE CONTRACTOR SHALL CHECK WITH THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL SUBCONTRACTOR'S FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

9. EPOXY ADHESIVE FOR GROUTING REINFORCEMENT DOWELS INTO CONCRETE SHALL BE HY150, AS MANUFACTURED BY HILTI CORP., OR EQUIVALENT.

10 LAP LENGTHS FOR CONCRETE REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED TO BE GREATER:

   NO. 3 BAR = 17"
   NO. 4 BAR = 22"
   NO. 5 BAR = 24"
   NO. 6 BAR = 33"

11. REFER TO SPECIFICATION SECTION 03300 FOR ADDITIONAL INFORMATION.

CONCRETE MASONRY

1. CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM C90. NORMAL WEIGHT UNITS WITH A MINIMUM AVERAGE NET–AREA COMPRESSIVE STRENGTH OF 2150 PSI.

2. MORTAR SHALL COMPLY WITH ASTM C270, TYPE S.

3. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. INSTALL REINFORCEMENT IN ACCORDANCE WITH ASCE 6–95/ACI 530.1–95.

4. MASONRY JOINT REINFORCEMENT SHALL BE LADDER OR TRUSS TYPE CONFORMING TO ASTM A 951. REINFORCEMENT SHALL BE HOT–DIP GALVANIZED CARBON STEEL WIRE. SIDE RODS AND CROSS ROD WIRE SIZES SHALL BE MINIMUM 9ga.

5. GROUT SHALL COMPLY WITH ASTM C 476. MIX GROUT TO A CONSISTENCY THAT HAS A SLUMP BETWEEN 8 AND 11 INCHES. PLACE GROUT IN ACCORDANCE WITH ASCE 6–95/ACI 530.1–95, INCLUDING MECHANICAL CONSOLIDATION.

6. REFER TO SPECIFICATION SECTION 04816 FOR ADDITIONAL INFORMATION.

MANUFACTURED LUMBER

1. ALL LVL'S – LAMINATED VENEER LUMBER – SHALL COMPLY WITH ASTM D 5456 AND ASTM D 2559. LVL SHAPES AND SIZES INDICATED ARE AS MANUFACTURED BY THE WEYERHAEUSER CO. AS A BASIS OF DESIGN. "E" = MIN. 1900 Ksi., "Fb" = MIN. 2.60 Ksi.

2. ALL LSL'S – LAMINATED STRAND LUMBER – SHALL COMPLY WITH ASTM D 5456 AND ASTM D 2559. LSL SHAPES AND SIZES INDICATED ARE AS MANUFACTURED BY THE WEYERHAEUSER CO. AS A BASIS OF DESIGN. "E" = MIN. 1550 Ksi., "Fb" = MIN. 2.325 Ksi.

3. ALL TJI'S – WOOD I–JOISTS – SHALL COMPLY WITH ASTM D 5055. TJI SHAPES AND SIZES INDICATED ARE AS MANUFACTURED BY THE WEYERHAEUSER CO. AS A BASIS OF DESIGN.

4. ALL RIM BOARDS SHALL BE LSL MATERIAL OF THE SIZES INDICATED AND SHALL BE MANUFACTURED BY THE SAME SUPPLIER AS THE WOOD I–JOISTS.

5. REFER TO SPECIFICATION SECTION 06100 FOR ADDITIONAL INFORMATION.

ROUGH CARPENTRY

1. CONTRACTOR SHALL SUBMIT FROM LUMBER SUPPLIER (5) COPIES OF SUBMITTAL TO ENGINEER INDICATING SPECIES AND GRADES OF FRAMING LUMBER AND TIMBER WITH RULES AGENCY NOTED, FOR EACH TYPE OF STRUCTURAL FRAMING SUPPLIED.

2. ALL FRAMING LUMBER SHALL BE A MINIMUM OF NO. 1/NO.2 SPRUCE–PINE–FIR (SPF) AS GRADED BY THE NATIONAL LUMBER GRADES AUTHORITY (NLGA) OR THE NORTHEASTERN LUMBER MANUFACTURER'S ASSOCIATION (NELMA) UNLESS OTHERWISE INDICATED. LUMBER GRADES FOR SPECIFIC STRUCTURAL MEMBERS SHALL BE A MINIMUM OF THE GRADES LISTED BELOW UNLESS OTHERWISE NOTED:

RAFTERS AND JOISTS	NO. 1 OR NO. 2 SPF
EXTERIOR WALL STUDS	NO. 1 / N.L.G.A.
INTERIOR WALL STUDS	NO. 1 / N.L.G.A.
WALL PLATES	NO. 1 OR NO. 2 SPF
SILL PLATES	NO. 1 OR NO. 2 PPT S. PINE
EXTERIOR EXPOSED LUMBER	NO. 1 OR NO. 2 PPT S. PINE
MISC. BLOCKING & FURRING	NO. 1 OR NO. 2 SPF

3. ALL WOOD BEARING OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVE TREATED (PPT) SOUTHERN PINE.

4. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED.

5. HOLES FOR BOLTS SHALL BE BORED TO 1/32" TO 1/16" LARGER THAN NOMINAL BOLT SIZE INDICATED.

6. ALL BOLTS SHALL BE RE–TIGHTENED PRIOR TO APPLICATION OF WALL SHEATHING.

7. ALL BOLTS BEARING ON WOOD SHALL HAVE WASHERS UNDER BOLT HEAD AND NUTS.

8. PROVIDE MIN. THREE STUDS AT ALL WALL CORNERS U.N.O.

9. LUMBER CONNECTORS SUCH AS JOIST HANGERS, METAL ANCHORS, PLATES ETC. SHALL BE HOT DIPPER GALVANIZED STEEL AS MANUFACTURED BY SIMPSON STRONG TIE CO. INC. OR EQUIVALENT. NAIL TO LUMBER WITH SIZE AND NO. OF NAILS AS RECOMMENDED BY MANUFACTURER. (CONNECTORS SHOWN ARE BY SIMPSON.)

10. TOP WALL PLATES SHALL BE SPLICED PER THE TYPICAL TOP PLATE JOINT SPLICE DETAIL ON DWG. S–202.

11. ALL WOOD FASTENERS SHALL COMPLY WITH TABLE 2304.9.1 FASTENEING SCHEDULE OF THE BUILDING CODE OF NEW YORK STATE OR AS SHOWN ON THE DRAWINGS. ALL NAILS OR FASTENERS CONNECTED TO PRESSURE PRESERVATIVE TREATED LUMBER SHALL BE HOT–DIP GALVANIZED PER ASTM A153.

12. ALL BOLTS SHALL COMPLY WITH ASTM A 307, GRADE A; WITH ASTM A 563 HEX NUTS AND, WHERE INDICATED, FLAT WASHERS. ALL BOLTS AND HARDWARE, INCLUDING ANCHOR BOLTS, CONNECTING PRESSURE PRESERVATIVE TREATED LUMBER SHALL BE HOT DIP GALVANIZED PER ASTM A153.

13. LEAD HOLES FOR LAG BOLTS SHALL BE BORED AS FOLLOWS:

   – THE CLEARANCE HOLE FOR THE SHANK (SMOOTH PORTION OF SCREW) SHALL HAVE THE SAME DIAMETER AND PENETRATION AS THE SHANK DIAMETER.

   – THE LEAD HOLE FOR THE THREADED PORTION SHALL BE DRILLED TO AT LEAST THE DEPTH OF THE THREADED PORTION AND SHALL BE OF THE FOLLOWING SIZE:

   7/16" DIA. SCREW IN SPF – 1/4", IN S. PINE – 5/16"
   1/2" DIA. SCREW IN SPF – 5/16", IN S. PINE – 3/8"
   5/8" DIA. SCREW IN SPF – 7/16", IN S. PINE – 7/16"
   3/4" DIA. SCREW IN SPF – 1/2", IN S. PINE – 9/16"
   LEAD HOLES ARE NOT REQ'D FOR 3/8" LAG SCREWS PROVIDED EDGE AND END DISTANCE ARE SUFFICIENT TO PREVENT SPLITTING.

14. REFER TO SPECIFICATION SECTION 06100 FOR ADDITIONAL INFORMATION.

PRE–FABRICATED WOOD TRUSSES

1. WOOD TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH SECTION 2303.4 OF THE NEW YORK STATE BUILDING CODE, ANSI/TPI1–2002 (NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION) AND OTHER APPLICABLE PUBLICATIONS AS PUBLISHED BY THE TRUSS PLATE INSTITUTE. SPECIAL ATTENTION IS DRAWN TO THE INSPECTION AND SHOP DRAWING REQUIREMENTS OF SECTION 2303.4 OF THE NEW YORK STATE BUILDING CODE.

2. ALL ROOF TRUSSES SHALL MEET A DEFLECTION CRITERIA OF SPAN/360. ENGINEERING DRAWINGS AND CALCULATIONS CONFORMING WITH THE DESIGN LOAD AND DEFLECTION CRITERIA SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENCED TO PRACTICE IN THE STATE OF NEW YORK.

3. WOOD TRUSSES SHALL BE BRACED DURING INSTALLATION AND AFTER PERMANENT INSTALLATION IN ACCORDANCE WITH BCSI (BUILDING COMPONENT SAFETY INFORMATION) 1–03 AS PUBLISHED BY THE WOOD TRUSS COUNCIL OF AMERICA AND THE TRUSS PLATE INSTITUTE. THE BRACING SHOWN IN THIS MANUAL SHALL BE THE MINIMUM ACCEPTABLE UNLESS AN ALTERNATIVE BRACING PLAN, DESIGNED BY AN ENGINEER LICENCED TO PRACTICE IN THE STATE OF NEW YORK, IS SUBMITTED FOR REVIEW.

4. ANY PERMANENT BRACING REQUIRED TO RESIST WIND AND SEISMIC LOADS SHALL BE ERECTED AS SHOWN ON THE PROJECT DRAWINGS. AFTER REVIEW OF THE TRUSS MANUFACTURER'S SHOP DRAWINGS ADDITIONAL PERMANENT BRACING MAY BE REQUIRED TO RESIST LOCAL WEB AND CHORD MEMBER COMPRESSION BRACING FORCES. THE REQUIREMENTS FOR THIS BRACING WILL BE SHOWN BY THE ENGINEER AS COMMENTS TO THE TRUSS MANUFACTURER'S SHOP DRAWINGS.

5. TRUSSES SHALL BE STORED , HANDLED, AND ERECTED IN STRICT ACCORDANCE WITH BCSI 1–03. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE PROCEDURES OF BCSI 1–03. A COPY OF BCSI 1–03 SHALL BE ON THE JOB SITE FOR THE DURATION OF THE TRUSS ERECTION PROCESS.

6. THE TRUSS SUPPLIER SHALL DESIGN AND SUPPLY ALL HANGERS REQUIRED FOR ALL TRUSS TO TRUSS CONNECTIONS, AND ALL BEAM TO TRUSS CONNECTIONS. THESE HANGARS SHALL BE CLEARLY INDICATED ON THE TRUSS SHOP DRAWINGS.

7. WOOD TRUSS TOP AND BOTTOM CHORD MEMBERS SHALL BE OF THE MINIMUM SIZES INDICATED ON THE TRUSS LOADING DIAGRAMS.

8. SEE DRAWING S–203 FOR TRUSS ELEVATION AND LOADING DIAGRAMS.

5. REFER TO SPECIFICATION SECTION 06185 FOR ADDITIONAL INFORMATION.

SHEATHING

1. SHEETS SHALL BE LAID WITH LONG DIMENSIONS PERPENDICULAR TO SUPPORTING MEMBERS.

2. ROOF SHEATHING SHALL BE 19/32" THK. APA (AMERICAN PLYWOOD ASSOCIATION) RATED SHEATHING , EXTERIOR, WITH A MINIMUM SPAN RATING OF 40/20. ALL ROOF SHEATHING SHALL BE NAILED TO ALL PERIMETER FRAMING WITH 10d NAILS AT A MAXIMUM SPACING OF 6" C–C. PLYWOOD SHALL BE NAILED TO ALL INTERMEDIATE FRAMING WITH 10d NAILS AT A MAXIMUM SPACING OF 12" C–C. ONE PLYWOOD CLIP SHALL BE INSTALLED BETWEEN EACH FRAMING MEMBER AT PANEL EDGES WHEN FRAMING SPACING EXCEEDS 16".

3. FLOOR SHEATHING SHALL BE 3/4" THICK APA (AMERICAN PLYWOOD ASSOCIATION) RATED "STURD–I–FLOOR SHEATHING, SPAN RATING OF 24" C–C, EXPOSURE 1 SUBFLOOR. ATTACH TO FRAMING WITH ADHESIVE AND 10d NAILS AT 6" C–C AT ALL PERIMETER FRAMING AND 12" C–C AT INTERMEDIATE FRAMING. ADHESIVE SHALL COMPLY WITH APA SPECIFICATION AFG–01 OR ASTM D3498.

4. WALL SHEATHING SHALL BE 1/2" THK. APA RATED CDX PLYWOOD WITH A MINIMUM SPAN RATING OF 32/16. SHEATHING SHALL BE NAILED TO ALL FRAMING WITH 10d NAILS AT 12" C–C IN THE FIELD AND 6" C–C AT ALL EDGES. (TYP. U.N.O.) SEE SHEAR WALL SCHEDULE ON DWG. S–301 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALLS. ALL CUPOLA WALL FRAMING SHALL HAVE BLOCKING AT ALL PLYWOOD JOINTS. EDGE NAILING FOR ALL CUPOLA WALLS SHALL BE 10d @ 4" C–C.

5. REFER TO SPECIFICATION SECTION 06160 FOR ADDITIONAL INFORMATION.

ANTENNA SUPPORT NOTES

1. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA/EIA–222–G–1996 "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES". DESIGN WIND SPEED = 75 MPH PER NYS BUILDING CODE (65 MPH IN CONJUNCTION WITH 0.5 INCHES OF DESIGN ICE THICKNESS).

2. SEE STEEL NOTES, THIS DRAWING, FOR ADDITIONAL INFORMATION REGARDING STEEL SHAPES AND FABRICATION.

3. ALL STEEL ANTENNA SUPPORT MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT–DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS".

4. ALL BOLTS, NUTS, WASHERS AND MISCELLANEOUS SUPPORT HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC–COATING (HOT DIP) ON IRON AND STEEL HARDWARE".

5. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.

6. ALL ANTENNA SUPPORTS SHALL BE INSTALLED WITH DOUBLE NUTS. ALL BRACKETS AND HARDWARE ATTACHED TO THE ANTENNA SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH THE ANTENNA MANUFACTURERS' SPECIFICATIONS.

7. DESIGN OF THE ANTENNA EQUIPMENT MOUNTING BRACKETS AND ASSOCIATED COMPONENTS TO BE ATTACHED TO THE SUPPORT STRUCTURES SHALL BE THE SOLE RESPONSIBILITY OF THE EQUIPMENT MANUFACTURERS. THE EQUIPMENT MANUFACTURERS SHALL PROVIDE AS SUBMITTALS MIN. FIVE (5) COPIES OF ALL DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTION DESIGN LOADS AND OTHER PERTINENT DATA. THE EQUIPMENT MANUFACTURERS SHALL ALSO PROVIDE A CERTIFICATION OF COMPLIANCE STATING THAT THE ANTENNA BRACKETS AND THE EQUIPMENT HAVE BEEN DESIGNED IN ACCORDANCE WITH ANSI/TIA/EIA–222–F STANDARDS. ALL SUBMITTAL DRAWINGS AND THE CERTIFICATION SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEW YORK STATE.

STRUCTURAL STEEL NOTES

1. FABRICATE AND ERECT ALL STEEL WORK IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION CODE OF STANDARD PRACTICE.

2. THE STEEL FABRICATOR SHALL SUBMIT FOR REVIEW MIN. FIVE (5) COPIES OF SHOP DRAWINGS DETAILING THE FABRICATION OF ALL STRUCTURAL STEEL AND ANTENNA SUPPORT WORK. INCLUDE DETAILS OF CUTS, CONNECTIONS, WELDS, HOLES AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS SYMBOLS. THE CONTRACTOR SHALL NOT BEGIN FINAL FABRICATION OF STEEL MEMBERS UNTIL THE DRAWINGS HAVE BEEN REVIEWED BY THE ENGINEER.

3. ALL WELDS SHALL BE SHOP WELDS – FIELD WELDING SHALL NOT BE PERMITTED. ALL WELDING SHALL CONFORM TO AWS D1.1 STANDARDS AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS ONLY.

4. MATERIAL REQUIREMENTS FOR VARIOUS STEEL SHAPES ARE AS FOLLOWS:
   – PIPES – ASTM A53
   – MISC. PLATES AND ANGLES – ASTM A36

5. ALL BOLTS FOR STEEL WORK SHALL CONFORM TO ASTM A325.

6. REFER TO THE ANTENNA SUPPORT NOTES, THIS DRAWING, FOR ADDITIONAL INFORMATION REGARDING HOT–DIP GALVANIZING FOR ANTENNA SUPPORT COMPONENTS.

7. ALL STEEL WORK OTHER THAN ANTENNA SUPPORT FRAMING SHALL BE PREPARED IN ACCORDANCE WITH SSPS–SP3 POWER TOOL CLEANING AND SHALL BE SHOP COATED WITH ONE COAT, 2–3 MILS D.F.T. OF ALKYD PRIMER. CARBOLINE MULTI–BOND, OR EQUIVALENT.

ABBREVIATIONS

A.B.	Anchor Bolt	I.F.	Inside Face
A.F.F.	Above Finished Floor	INFO.	Information
ARCH.	Architectural	INV.	Invert
BM.	Beam	LG.	Long, Length
B/STL.	Bottom of Steel	LLBB	Long Legs Back to Back
BOT.	Bottom	LLV	Long Leg Vertical
C.J.	Control Joint	M.O.	Masonry Opening
C–C	Center to Center	MAX.	Maximum
CL.	Clear	MECH.	Mechanical
C.M.U.	Concrete Masonry Unit	MIN.	Minimum
COL.	Column	N.S.	Near Side
CONC.	Concrete	O.F.	Outside Face
CONT.	Continuous	P.A.F.	Powder Actuated Fastener
D	Deep	P.E.N.	Plywood Edge Nailing
DEG.	Degrees	P.J.F.	Pre–formed Joint Filler
DET.	Detail	PL.	Plate
DIA.	Diameter	PPT	Pressure Preservative Treated
DWG.	Drawing	REF.	Reference, Refer
E.W.	Each Way	REINF.	Reinforcement
EA.	Each	REQ'D.	Required
E.C.	Epoxy Coated	S.C.	Slip Critical
EL.	Elevation	S.S.	Stainless Steel
EMBED.	Embedment	S.I.F.	Step in Footing
EQ.	Equivalent	S.O.G.	Slab On Grade
EQ. SPA.	Equal Spacing	SCJ	Saw Cut Control Joint
EQUIP.	Equipment	SECT.	Section
EXIST.	Existing	SHT.	Sheet
EXP. BOLT	Expansion Bolt	SLBB	Short Legs Back to Back
EXP. JT.	Expansion Joint	SLV	Short Leg Vertical
F.S.	Far Side	STD.	Standard
FDN.	Foundation	S. PINE	Southern Pine
FIN.	Finish	S.P.F.	Spruce Pine Fir
FLG.	Flange	T & B	Top and Bottom
FLR.	Floor	T/FTG.	Top of Footing
FTG.	Footing	T/WALL	Top of Wall
GA.	Gage	T/STL.	Top of Steel
GALV.	Galvanized	THK.	Thick
GR.	Grade	TS	Tube Steel
G.W.B.	Gypsum Wall Board	TYP.	Typical
H.S.	High Strength	U.N.O.	Unless Noted Otherwise
H.D.G.	Hot Dip Galvanized	VERT.	Vertical
HGR.	Hanger	V.I.F.	Verify In Field
HORIZ.	Horizontal	WCJ	Wall Control Joint
HSS	Hollow Structural Section	W.W.F.	Welded Wire Fabric

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PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

STRUCTURAL NOTES

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	GENERAL REVISIONS	6/15/2012

1" 2" 3" 4"

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
JVL	CBS	06/28/2011	3760

DRAWING NO.

S–001

Plot Date: 06/15/2012 Plot Time: 1:46 PM
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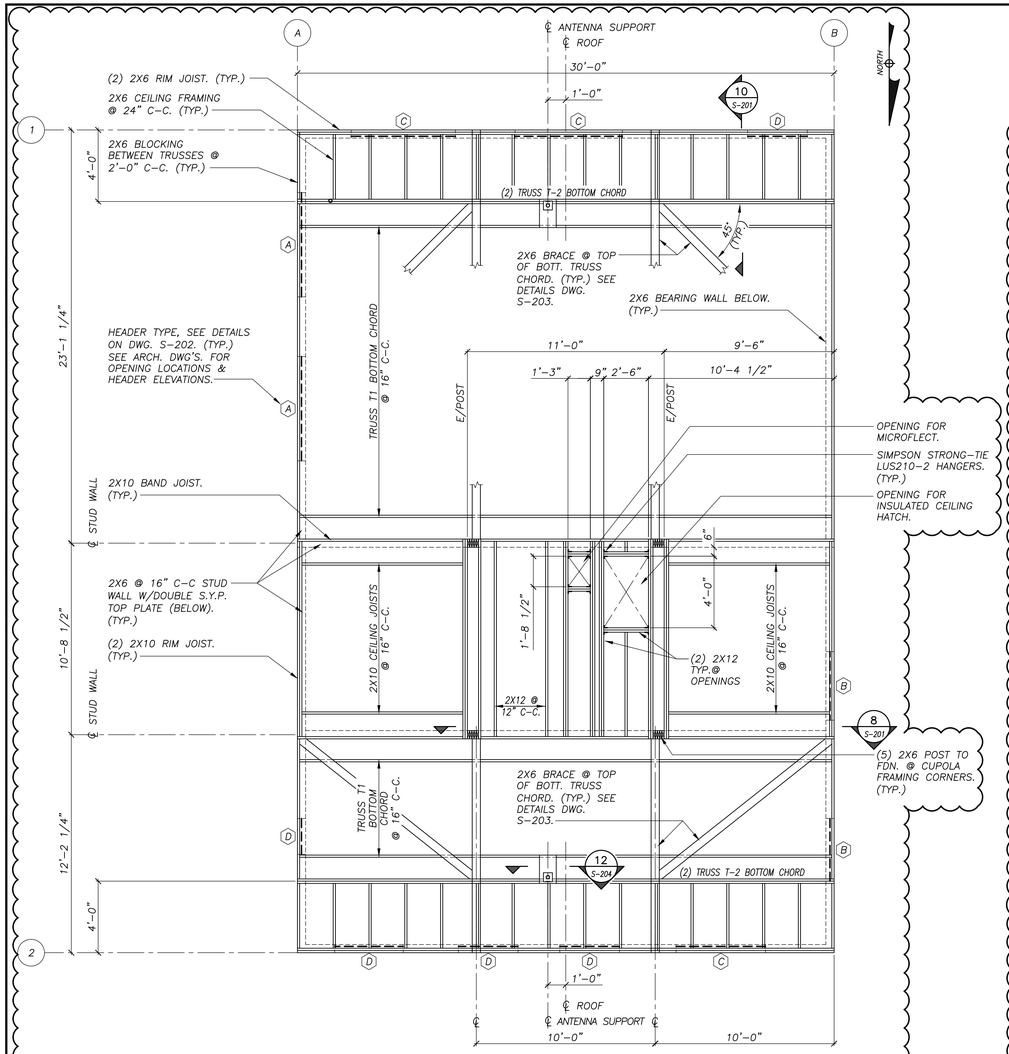
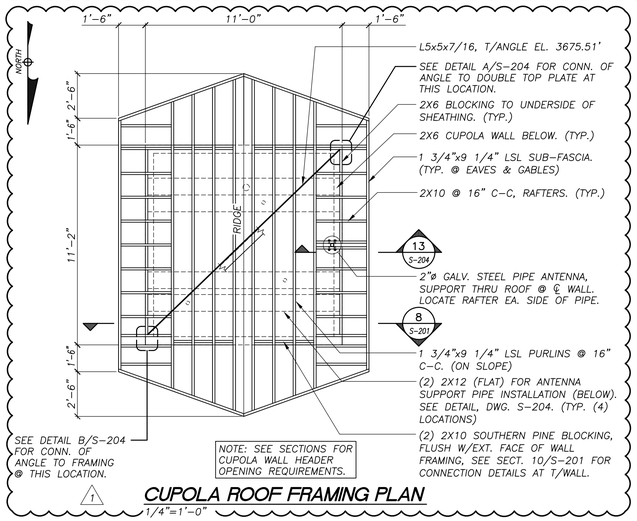


1 ATTIC FLOOR FRAMING PLAN
1/4"=1'-0"



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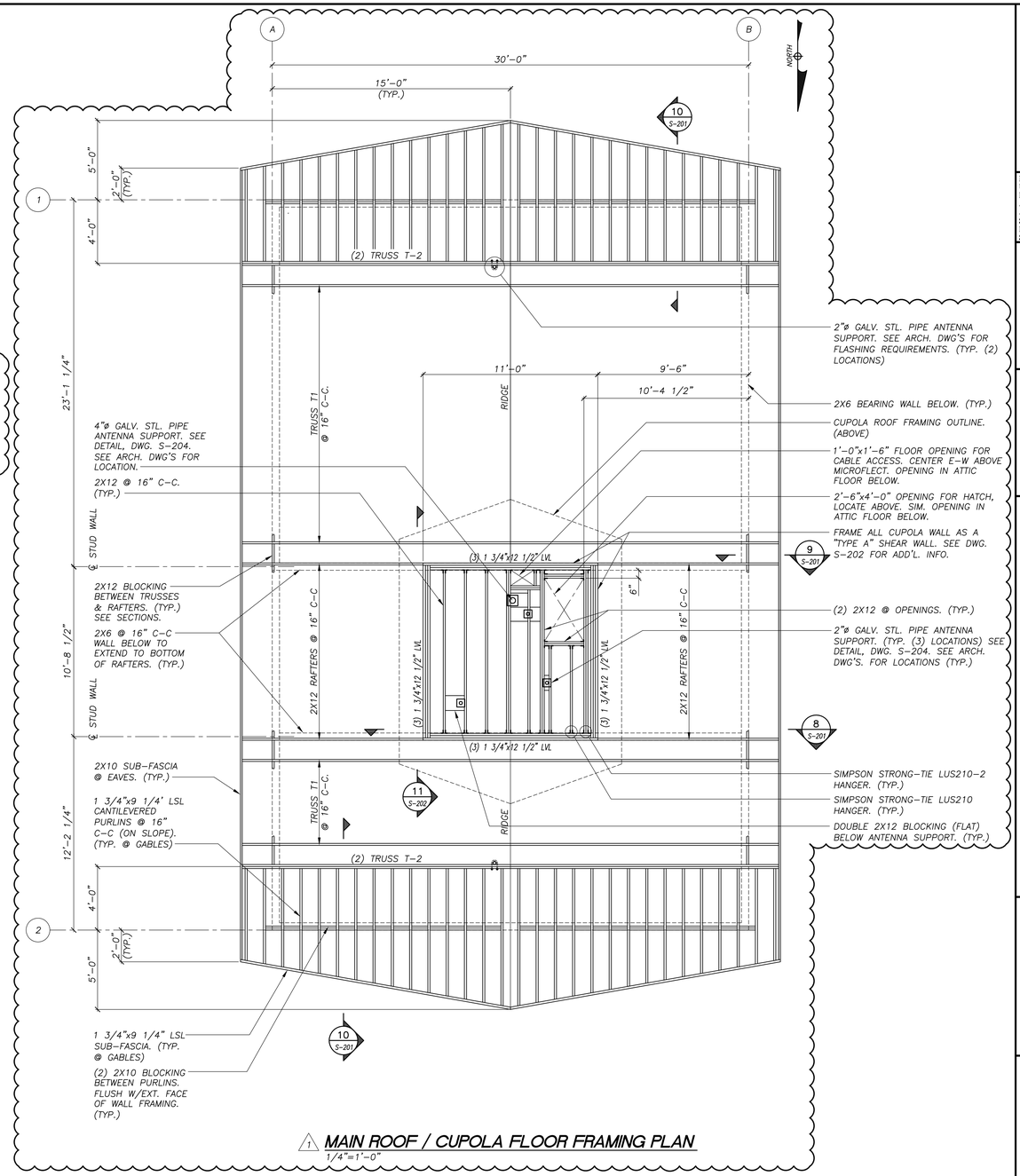
1/4"=1'-0"



1 MAIN ROOF / CUPOLA FLOOR FRAMING PLAN
1/4"=1'-0"

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PROJECT TITLE:
ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

ATTIC FLOOR & ROOF FRAMING PLANS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	GENERAL REVISIONS	6/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
JVL	CBS	06/28/2011	3760

DRAWING NO.

S-101

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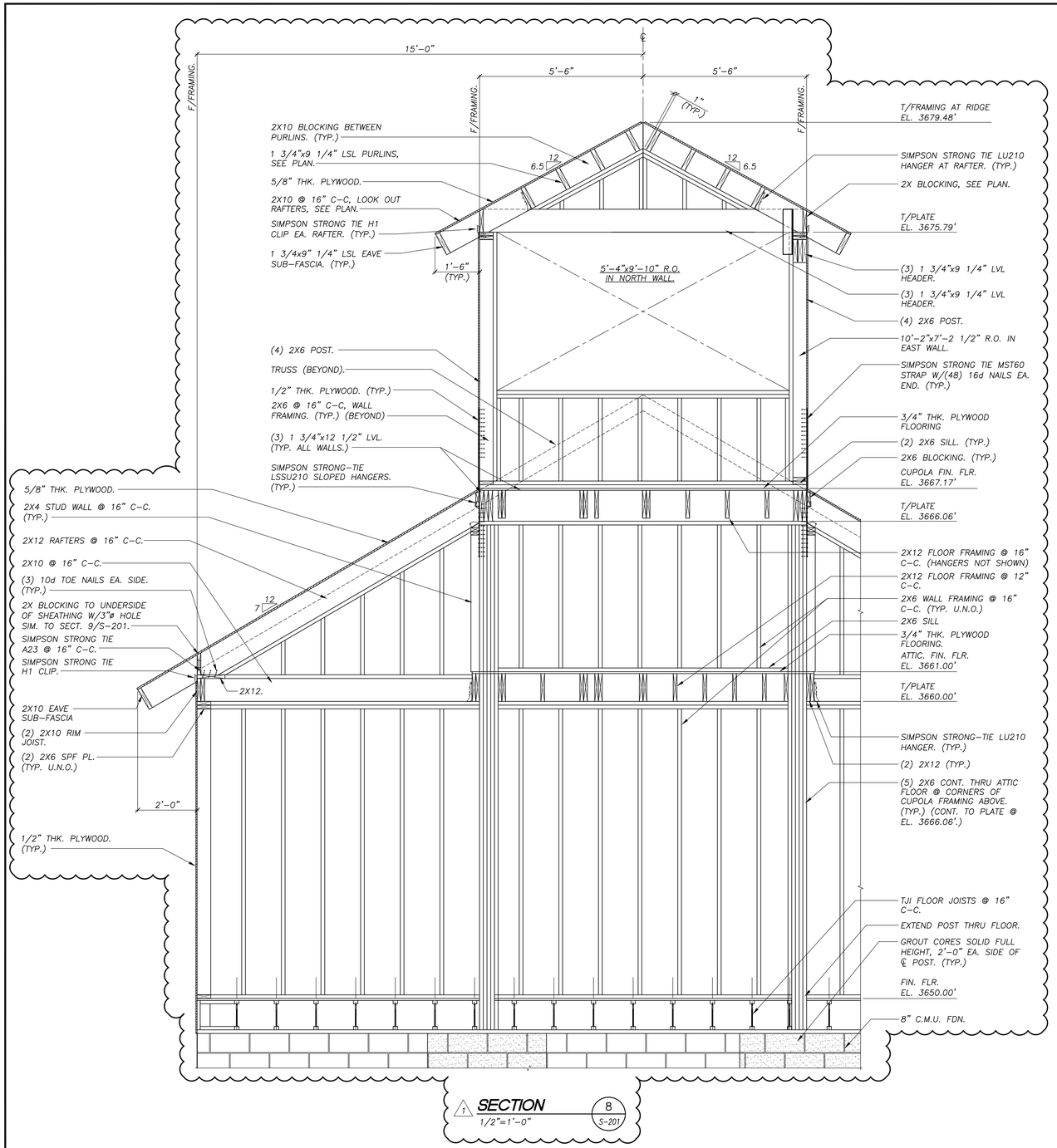

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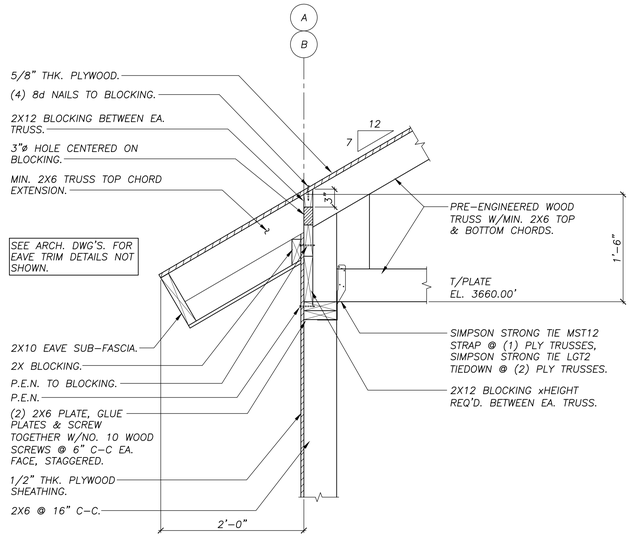
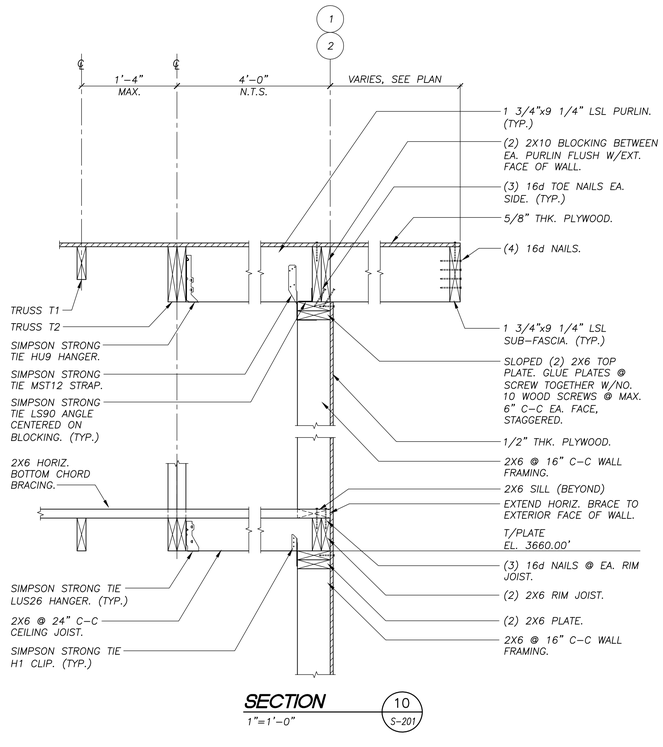


SECTION 9
1"=1'-0" S-201



SECTION 10
1"=1'-0" S-201

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WILMINGTON, NEW YORK

DRAWING TITLE:

SECTION SHEET 2

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	GENERAL REVISIONS	6/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
JVL	CBS	06/28/2011	3760

DRAWING NO.

S-201

Plot Date: 06/15/2012 Plot Time: 7:49 AM
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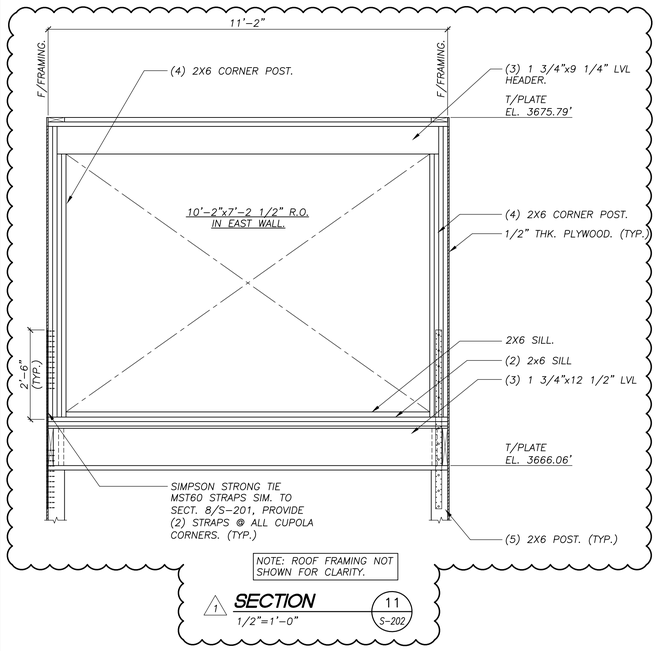
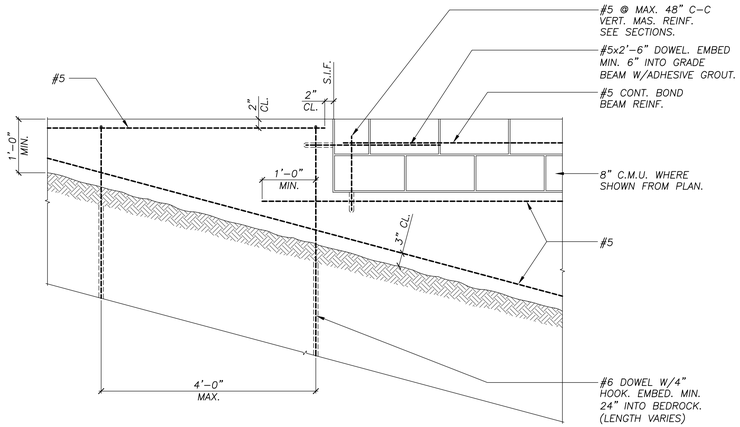


1 SECTION 11/S-202

1/2"=1'-0"



TYPICAL GRADE BEAM REINF. AND STEP IN FOUNDATION (S.I.F.) DETAIL

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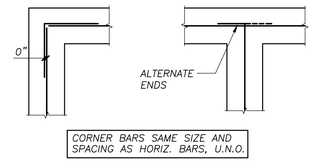
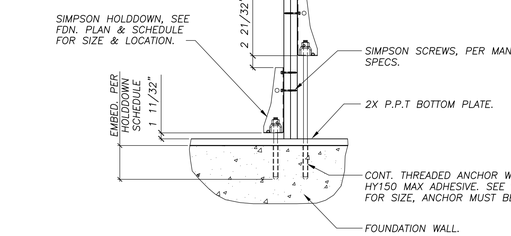


TYPICAL CORNER REINF. DETAILS

N.T.S.



TYPICAL FOUNDATION HOLDDOWN DETAIL

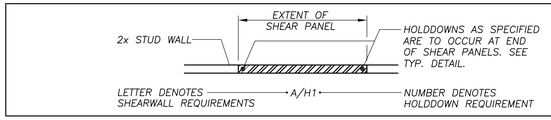
N.T.S.

SHEARWALL SCHEDULE

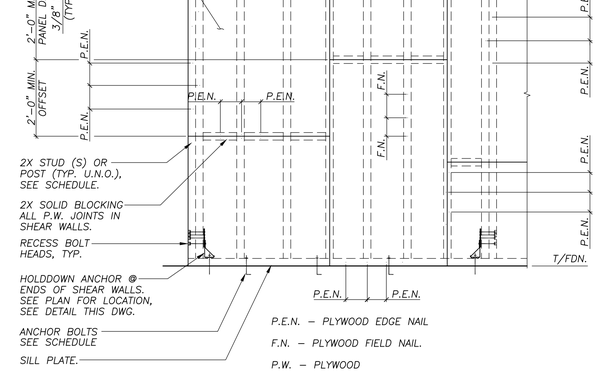
MARK	SHEATHING	NAILING		ANCHOR BOLTS	END POST/STUD	REMARKS
		EDGE (P.E.N.)	FIELD			
A	1/2" CDX	6"	1'-0"	1/2"ø @ 24" C-C.	(2) 2X6	-
B	1/2" CDX	4"	1'-0"	1/2"ø @ 24" C-C	(2) 2X6	
C	1/2" CDX	4"	1'-0"	1/2"ø @ 24" C-C	(4) 2X6	

HOLDDOWN SCHEDULE

MARK	HOLDDOWN	ANCHOR SIZE
H1	SIMPSON (2) HDU2	5/8"ø CONT. THREADED ROD W/HEAVY HEX NUTS (EMBED 5 5/8" @ FDN.)
H2	SIMPSON (2) HDU8	7/8"ø CONT. THREADED ROD W/HEAVY HEX NUTS (EMBED. 6 5/8" @ FDN.)

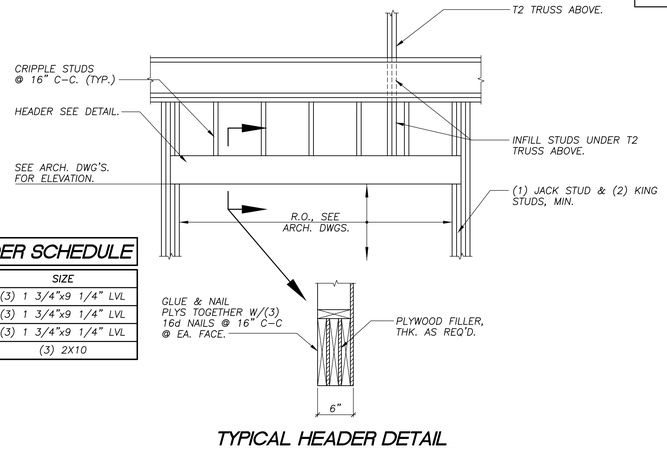


1. SEE TYPICAL SHEAR WALL DETAIL FOR ADDITIONAL INFO.
2. ALL HOLDDOWNS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS. SEE TYPICAL HOLD DOWN DETAILS.
3. ALL PLYWOOD NAILS 10d COMMON NAILS, U.N.O.
4. ALL CONT. THREADED ROD ANCHORS SHALL BE HOT-DIP GALVANIZED.



TYPICAL SHEAR WALL DETAIL

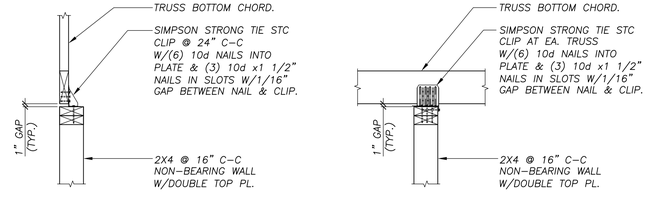
N.T.S.



HEADER SCHEDULE	
MARK	SIZE
A	(3) 1 3/4"x9 1/4" LVL
B	(3) 1 3/4"x9 1/4" LVL
C	(3) 1 3/4"x9 1/4" LVL
D	(3) 2X10

TYPICAL HEADER DETAIL

N.T.S.

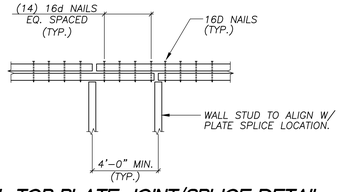


PARALLEL CONDITION

PERPENDICULAR CONDITION

TYPICAL DETAIL: TRUSS TO NON-BEARING WALL CONNECTION

N.T.S.



TYPICAL TOP PLATE JOINT/SPLICE DETAIL

N.T.S.

(APPLIES TO ALL EXTERIOR WALLS & ALL INTERIOR WALLS AT SHEAR WALL LINES)

AES NORTHEAST
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Phone: (518) 561-1598 Fax: (518) 561-1990

ARCHITECT - ENGINEER - LAND SURVEYOR

STRUCTURAL ENGINEER:

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Evergreen Professional Park
453 Dixon Road, Suite 7, Bldg. 3
Queensbury, New York 12804
(518) 761-0417, FAX: (518) 761-0513

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

SECTION & DETAIL SHEET 1

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	GENERAL REVISIONS	6/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
JVL	CBS	06/28/2011	3760

DRAWING NO.

S-202

Plot Date: 06/15/2012 Plot Time: 7:52 AM
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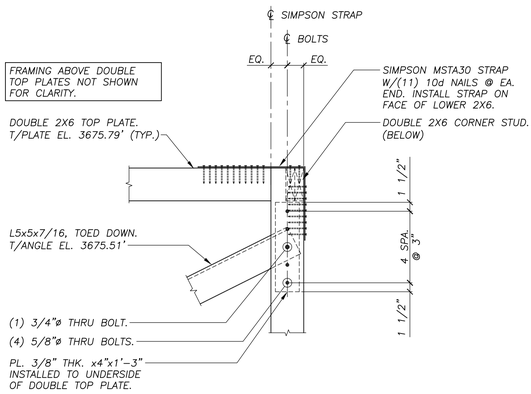

DETAIL A S-204
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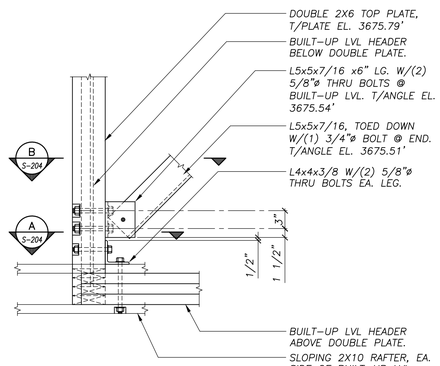

DETAIL B S-204
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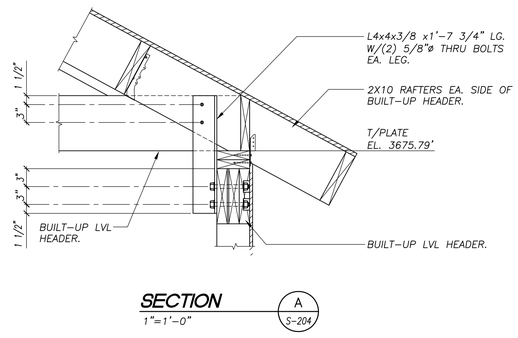

SECTION A S-204
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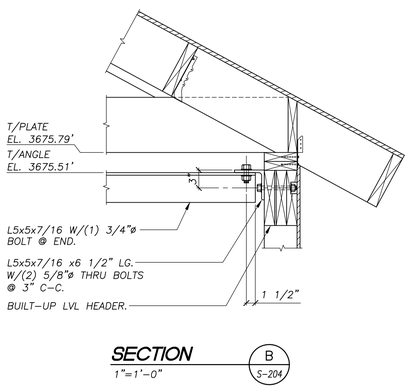

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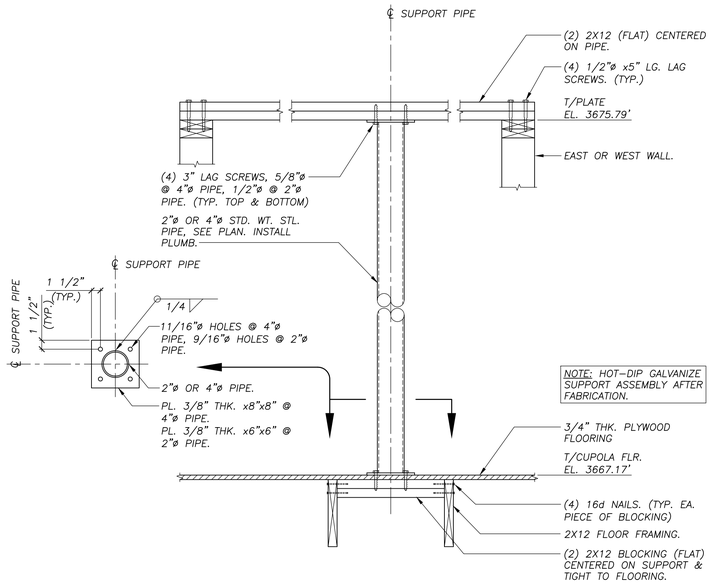

TYPICAL INTERIOR ANTENNA SUPPORT AT CUPOLA
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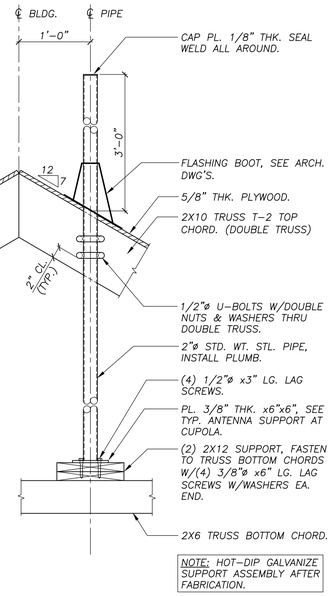

SECTION 12 S-204
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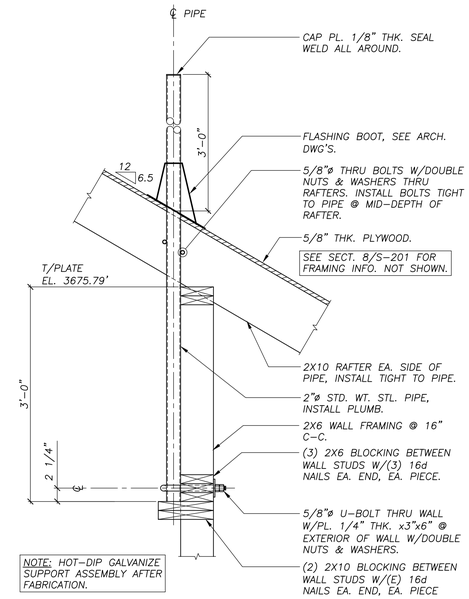

SECTION 13 S-204
1"=1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

STRUCTURAL ENGINEER:

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Evergreen Professional Park
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Queensbury, New York 12804
(518) 761-0417, FAX: (518) 761-0513

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

SECTION & DETAIL SHEET #3

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	DRAWING ADDED ADDENDUM #7.	6/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
JVL	CBS	06/28/2011	3760

DRAWING NO.

S-204

Plot Date: 06/15/2012 Plot Time: 8:06 AM
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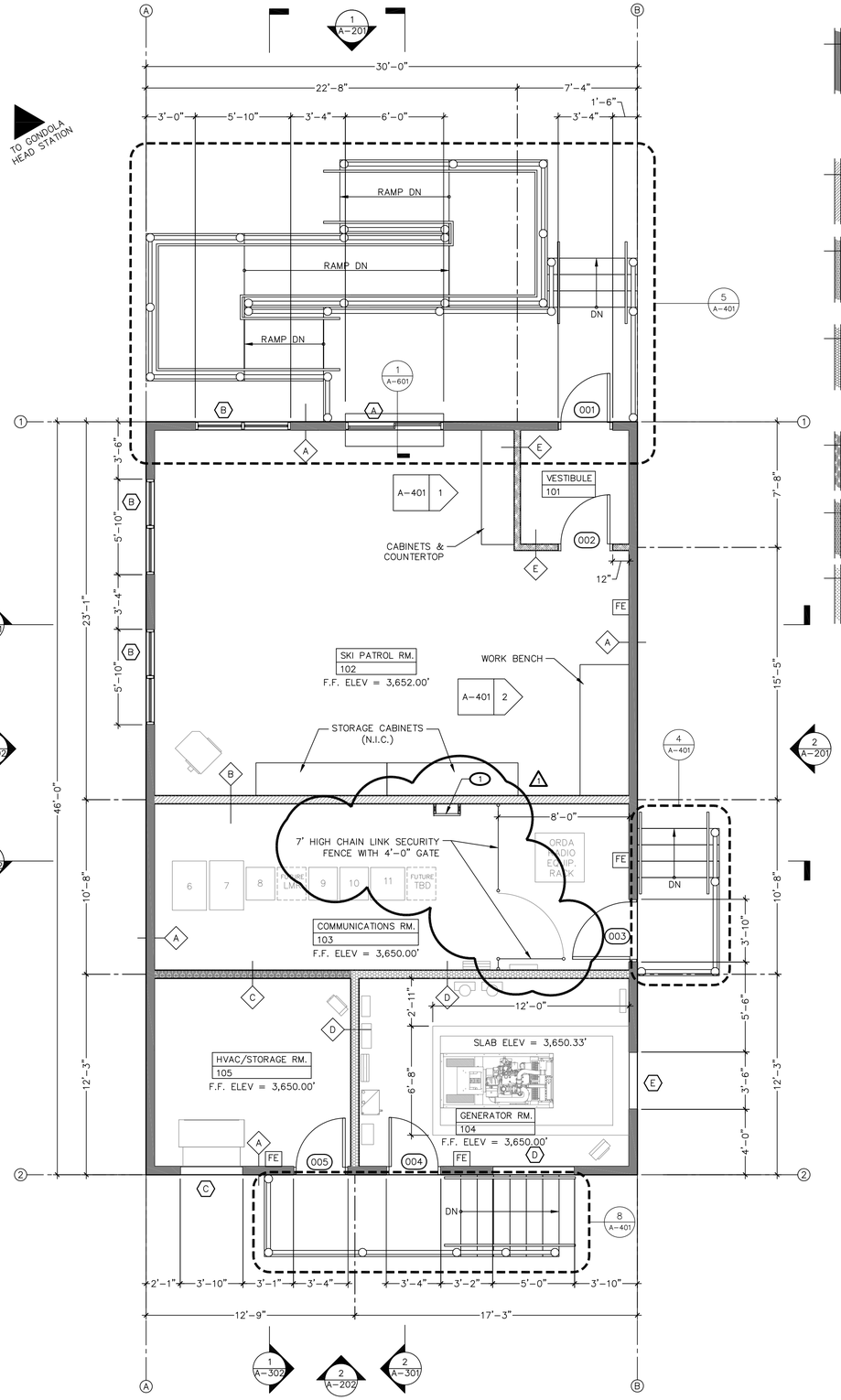


WALL TYPES:

A EXTERIOR WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- VAPOR BARRIER SHEET
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ½" PLYWOOD SHEATHING
- 1-½" FOIL FACED BOARD INSULATION WITH TAPED SEAMS
- ½" PLYWOOD SHEATHING
- AIR BARRIER SHEET
- LOG SIDING/CEDAR SHAKES WITH FINISH

B INTERIOR BEARING WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

C INTERIOR BEARING WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ⅝" PLYWOOD SHEATHING
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

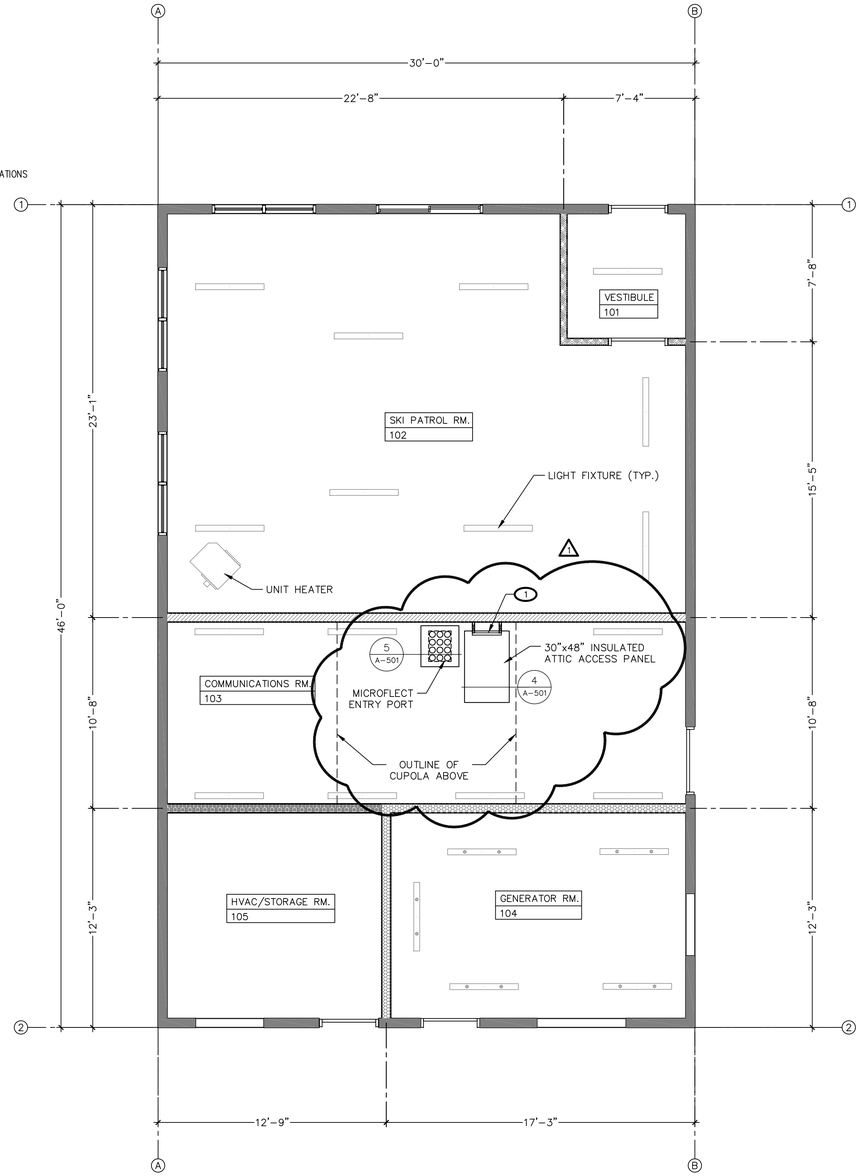
D INTERIOR FIRE RATED PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- ⅝" TYPE 'X' FIRE RESISTANT GYPSUM PANELS
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES.
- FIRESTOP SEALANT @ JOINTS & ALL/AROUND PENETRATIONS
- ⅝" TYPE 'X' FIRE RESISTANT GYPSUM PANELS
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

E INTERIOR PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x4" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

F INTERIOR PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

G CUPOLA WALLS:
- 2"x6" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING
- LOG SIDING/CEDAR SHAKES WITH FINISH

1 A-101 FLOOR PLAN
SCALE: 1/4" = 1'-0"
North



2 A-101 CEILING PLAN
SCALE: 1/4" = 1'-0"
North

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ARCHITECT - ENGINEER - LAND SURVEYOR

DRAWING NOTES:

1. PROVIDE 18" WIDE WOODEN LADDER BETWEEN COMMUNICATIONS RM. FLOOR & CEILING. PROVIDE (2) 2"x8" WD. SIDE RAILS WITH 2"x4" WD. RUNGS @ 12" O.C.. PROVIDE BLOCKING IN WALL BEHIND SIDE RAILS & LAG SIDE RAILS TO WALL. PROVIDE (2) 2"x2"x6"x½" THICK STEEL ANGLES @ COMM. RM. FLOOR.

PROJECT TITLE:
ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

FLOOR & CEILING PLANS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

A-101

Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-100's Revised.dwg

WALL TYPES:

A EXTERIOR WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- VAPOR BARRIER SHEET
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ½" PLYWOOD SHEATHING
- 1-½" FOIL FACED BOARD INSULATION WITH TAPED SEAMS
- ½" PLYWOOD SHEATHING
- AIR BARRIER SHEET
- LOG SIDING/CEDAR SHAKES WITH FINISH

B INTERIOR BEARING WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

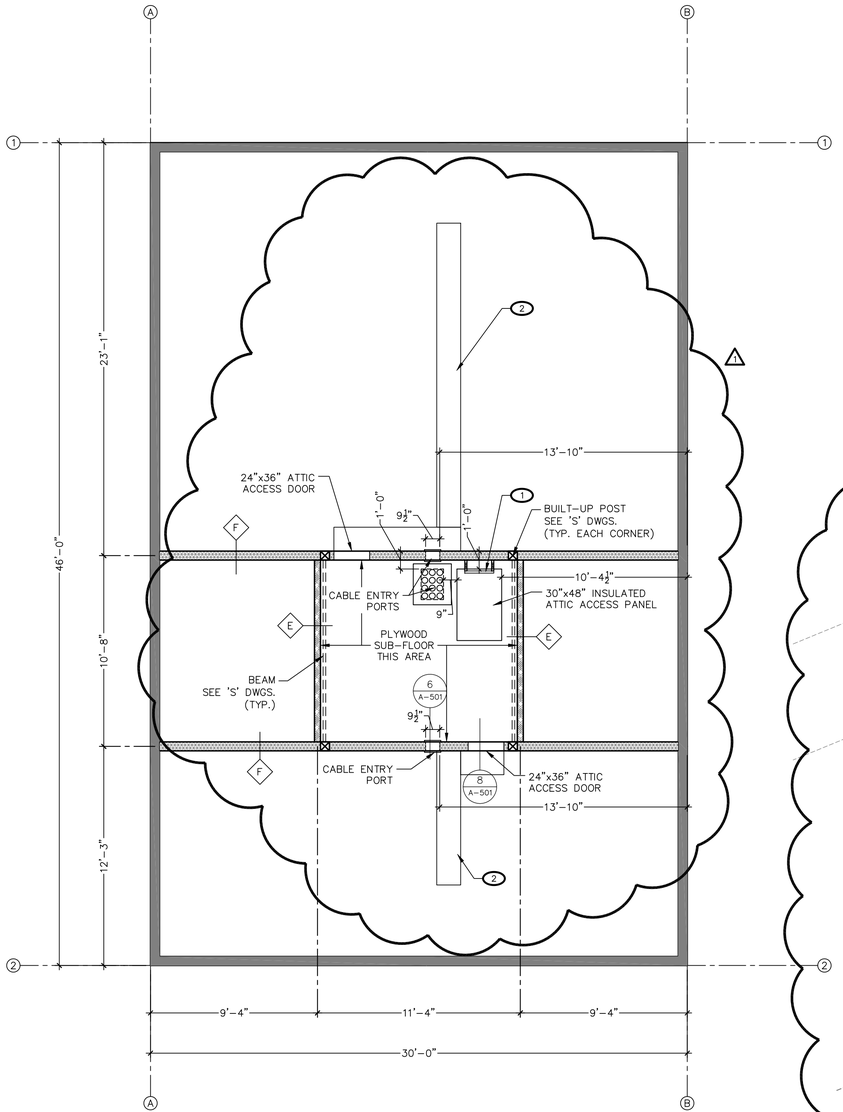
C INTERIOR BEARING WALLS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES
- ⅜" PLYWOOD SHEATHING
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

D INTERIOR FIRE RATED PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- ⅝" TYPE 'X' FIRE RESISTANT GYPSUM PANELS
- 2"x6" WOOD FRAMING 16" O.C.
- 5½" BLOWN-IN CELLULOSE INSULATION IN CAVITIES.
- FIRESTOP SEALANT @ JOINTS & ALL AROUND PENETRATIONS
- ⅝" TYPE 'X' FIRE RESISTANT GYPSUM PANELS
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

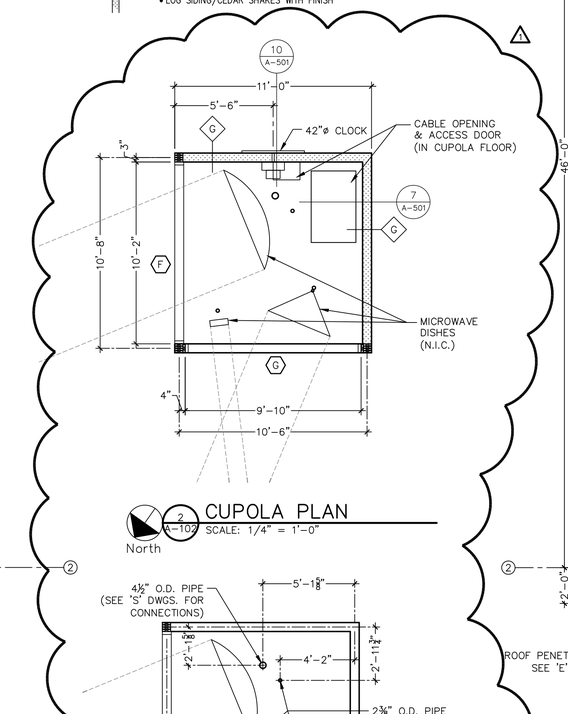
E INTERIOR PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x4" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

F INTERIOR PARTITIONS:
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.
- 2"x6" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING, FINISH AS SCHED.

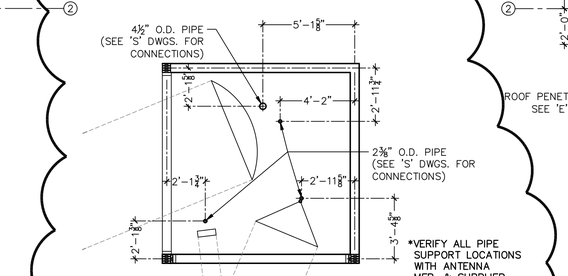
G CUPOLA WALLS:
- 2"x6" WOOD FRAMING 16" O.C.
- ½" PLYWOOD SHEATHING
- LOG SIDING/CEDAR SHAKES WITH FINISH



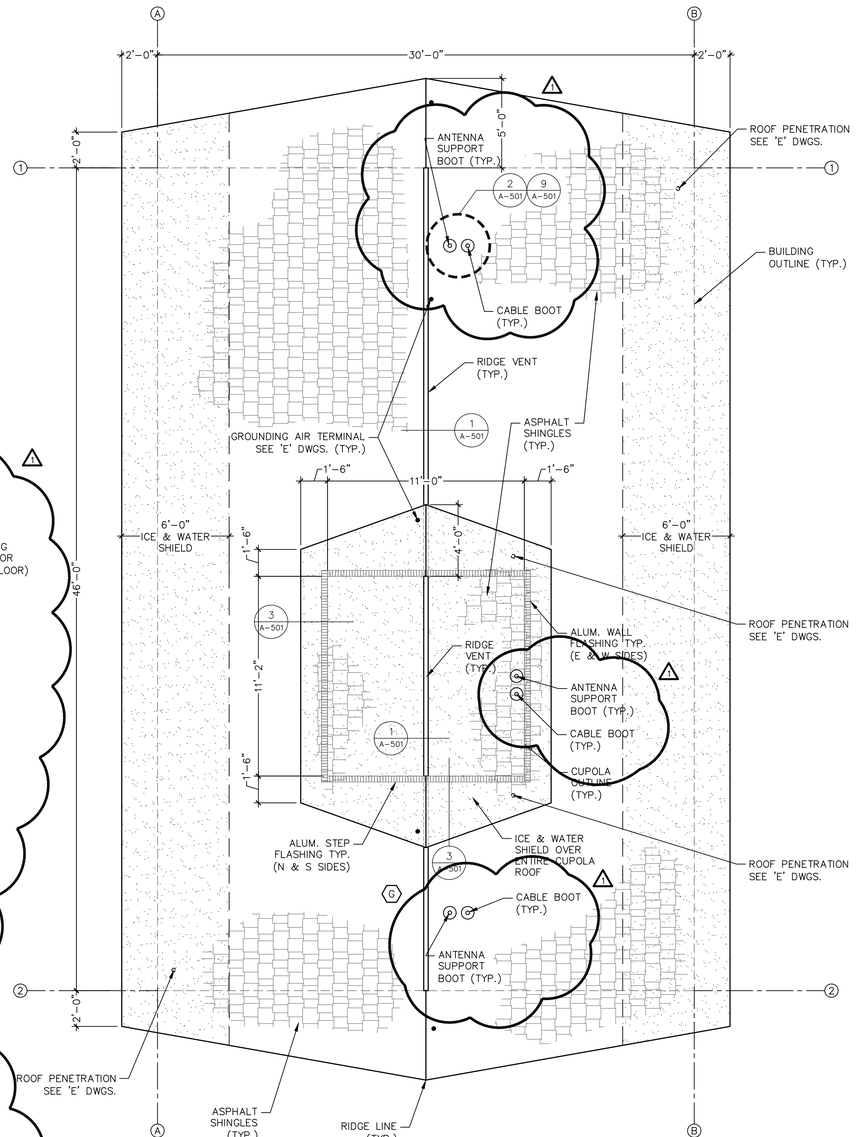
1 A-102 ATTIC PLAN
North
SCALE: 1/4" = 1'-0"



2 A-102 CUPOLA PLAN
North
SCALE: 1/4" = 1'-0"



4 A-102 PIPE SUPPORT LOCATION PLAN
North
SCALE: 1/4" = 1'-0"



3 A-102 ROOF PLAN
North
SCALE: 1/4" = 1'-0"

AES NORTHEAST
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Phone: (518) 561-1598 Fax: (518) 561-1990

ARCHITECT - ENGINEER - LAND SURVEYOR

DRAWING NOTES:

1. PROVIDE 18" WIDE WOODEN LADDER BETWEEN ATTIC FLOOR & CEILING. PROVIDE (2) 2"x8" WD. SIDE RAILS WITH 2"x4" WD. RUNGS @ 12" O.C.. PROVIDE BLOCKING IN WALL BEHIND SIDE RAILS & LAG SIDE RAILS TO WALL. PROVIDE CLEARANCE BELOW LADDER TO REMOVE ATTIC ACCESS PANEL.
2. PROVIDE 16" WIDE CATWALKS ACROSS BOTTOM CHORD OF TRUSSES FROM DOUBLE TRUSS TO ATTIC WALL ACCESS DOOR. PROVIDE 2"x6" WD. STUDS (ON END) @ 16" O.C. W/ ¾" PLYWOOD ON TOP.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

ATTIC, CUPOLA & ROOF PLANS

REVISIONS

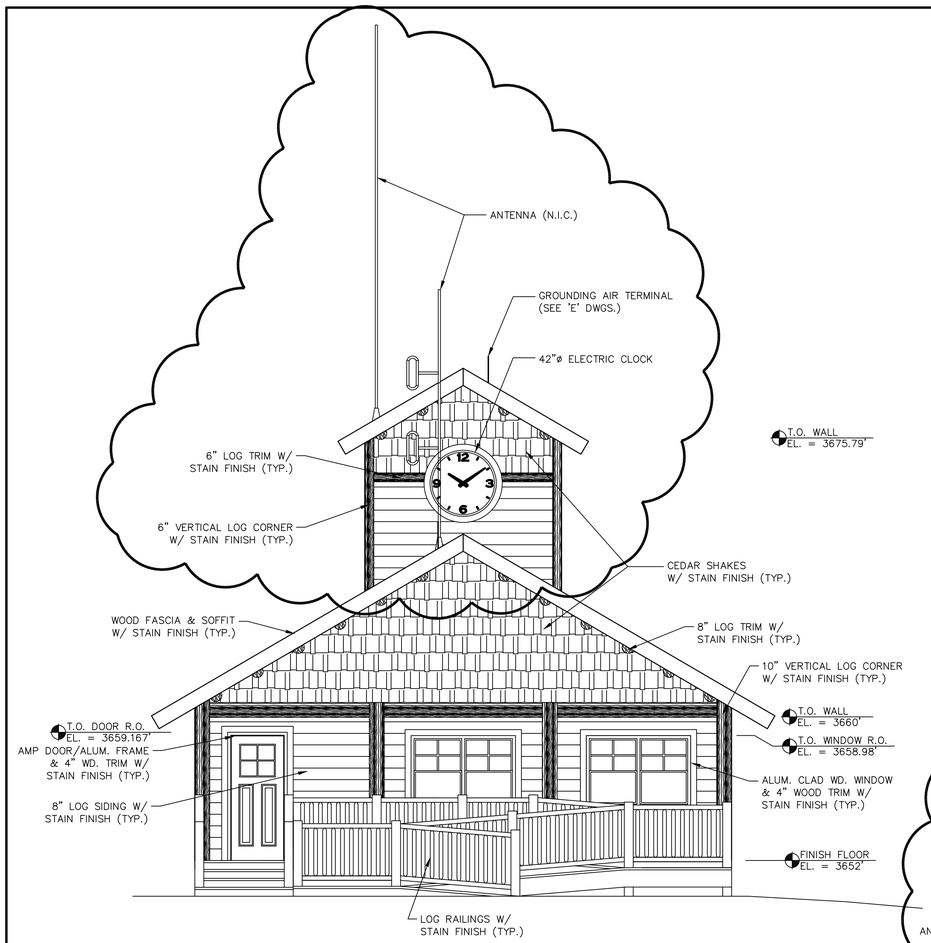
NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

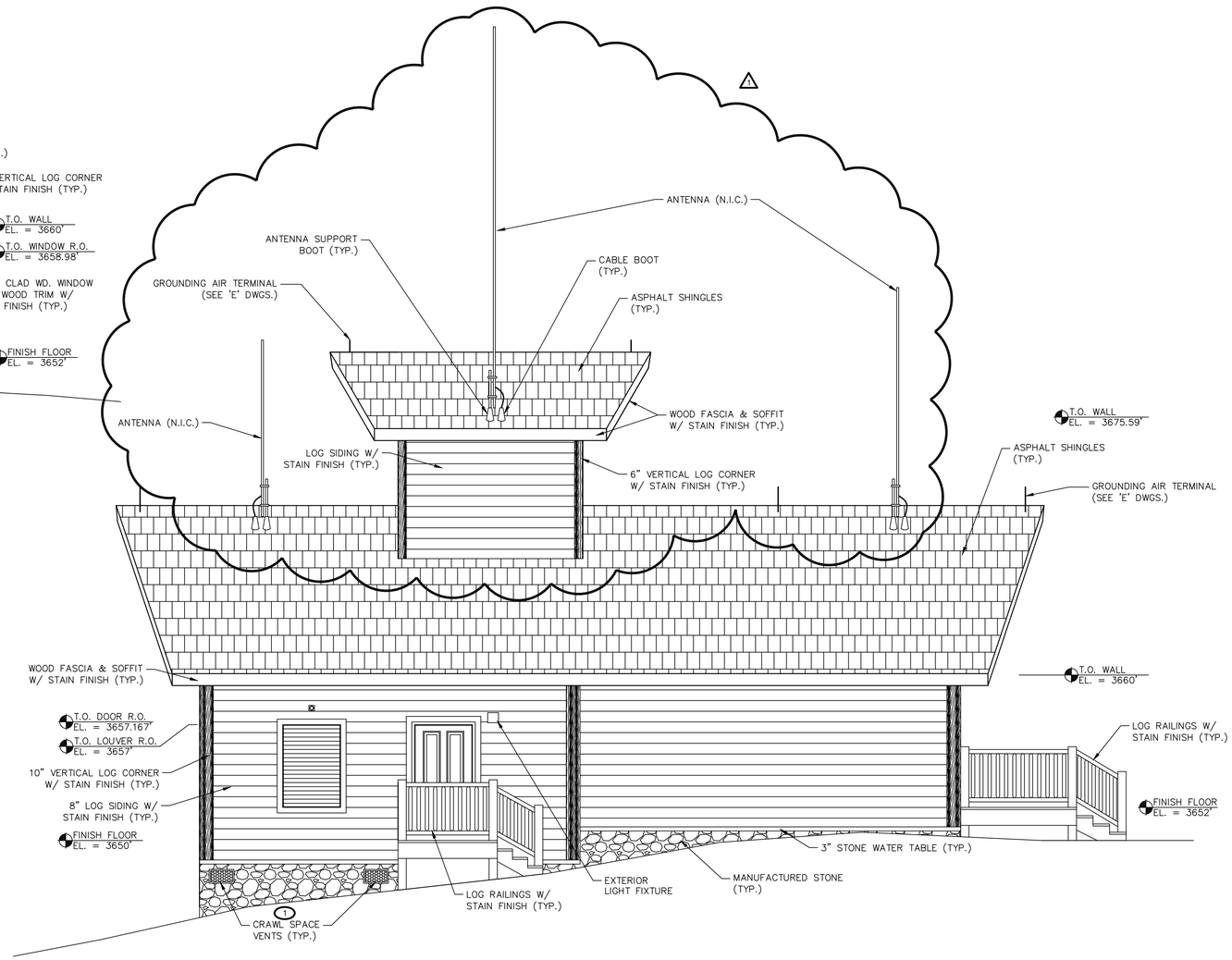
DRAWING NO.

A-102

Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-100's Revised.dwg



1 A-201 SOUTH EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 A-201 WEST EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

AES NORTHEAST
Architecture, Engineering, and Land Surveying Northeast, PLLC
10 -12 City Hall Place, Plattsburgh, NY 12901
Phone: (518) 561-1598 Fax: (518) 561-1990

ARCHITECT – ENGINEER – LAND SURVEYOR

DRAWING NOTES:

1. CRAWL SPACE VENT: (SEE 'S' DWGS. FOR LOCATIONS) 16"x8", 50 SQ IN. NET FREE AREA, HEAVY DUTY ALUMINUM CONSTRUCTION, AUTOMATIC, NON-POWERED WITH PREMIUM BI-METAL COIL (OPENS AT 70F AND CLOSES AT 40F). HONEYCOMB GRILL WITH FACTORY FINISH.

PROJECT TITLE:
ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

EXTERIOR ELEVATIONS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

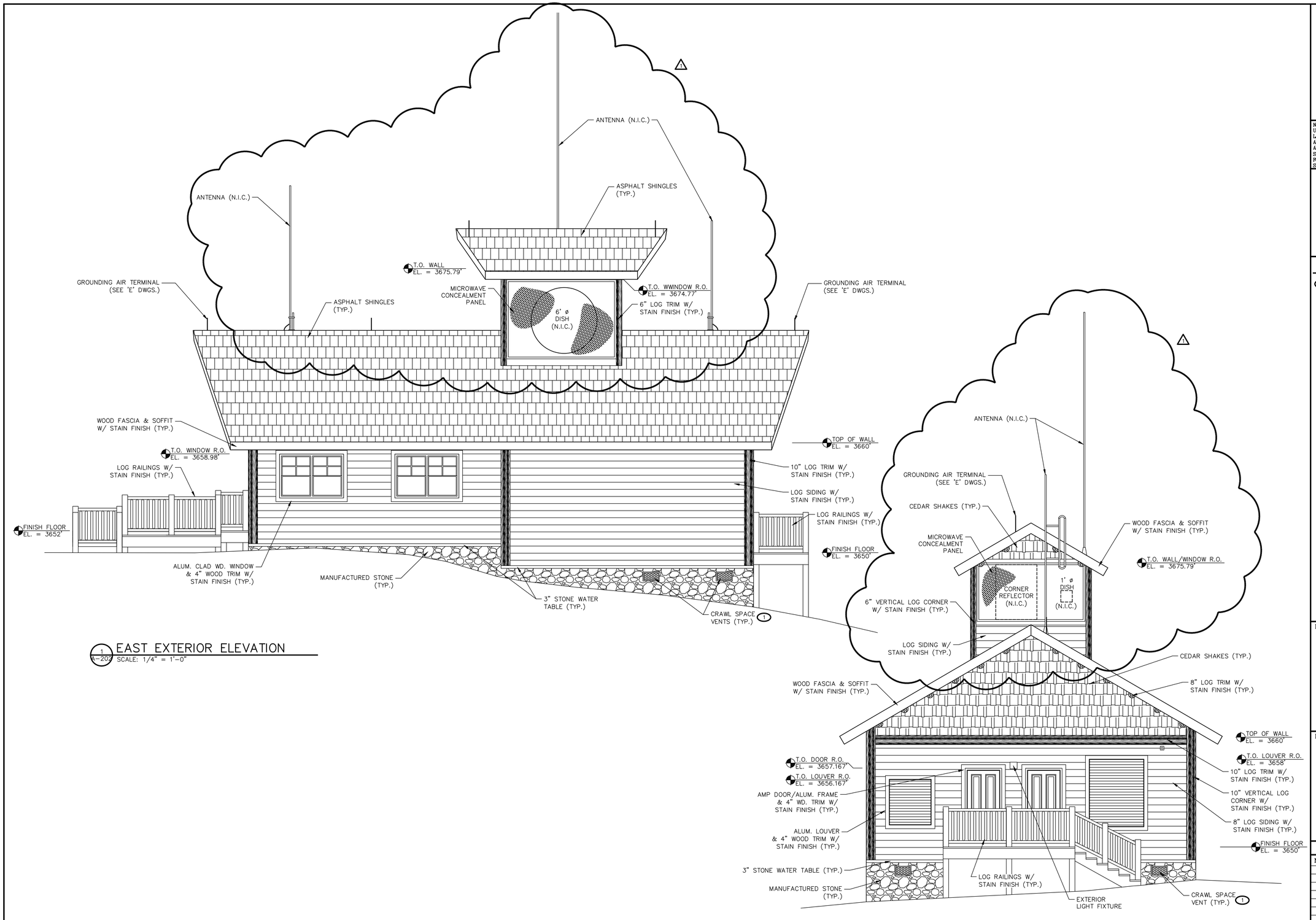
1" 2" 3" 4"

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

A-201

Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-200's Revised.dwg



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ARCHITECT – ENGINEER – LAND SURVEYOR

DRAWING NOTES:

1. CRAWL SPACE VENT: (SEE 'S' DWGS. FOR LOCATIONS) 16"x8", 50 SQ IN. NET FREE AREA, HEAVY DUTY ALUMINUM CONSTRUCTION, AUTOMATIC, NON-POWERED WITH PREMIUM BI-METAL COIL (OPENS AT 70F AND CLOSES AT 40F). HONEYCOMB GRILL WITH FACTORY FINISH.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

EXTERIOR ELEVATIONS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

A-202

Plot Date: 06/15/2012 Plot Time: 12:28 PM
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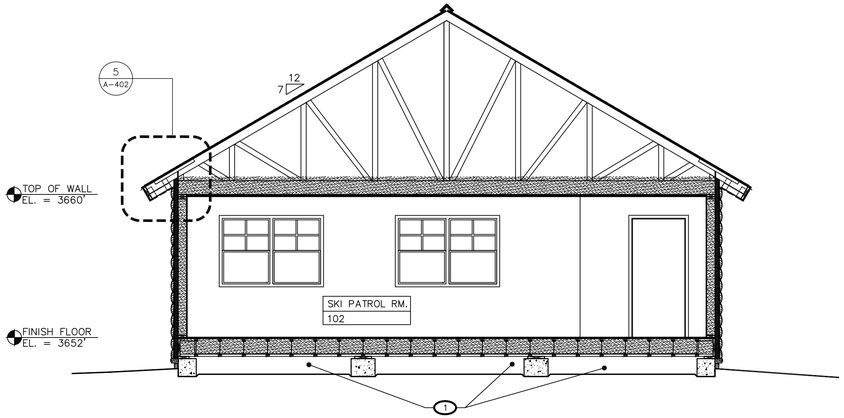
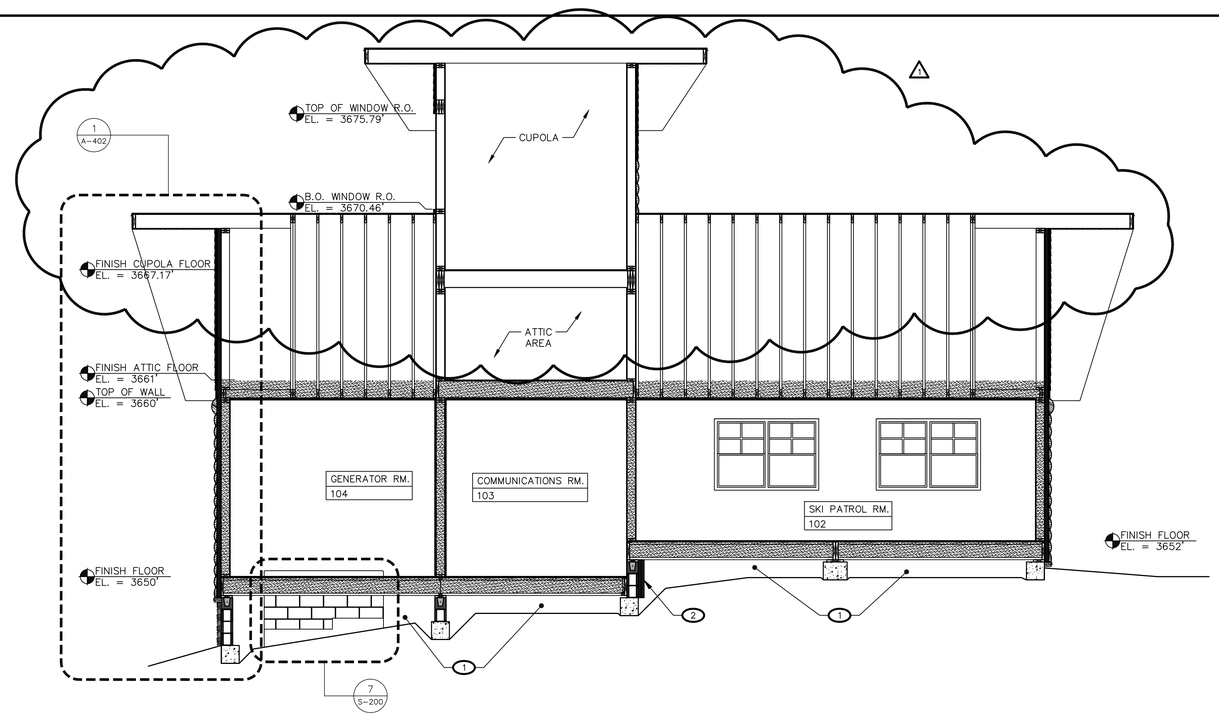
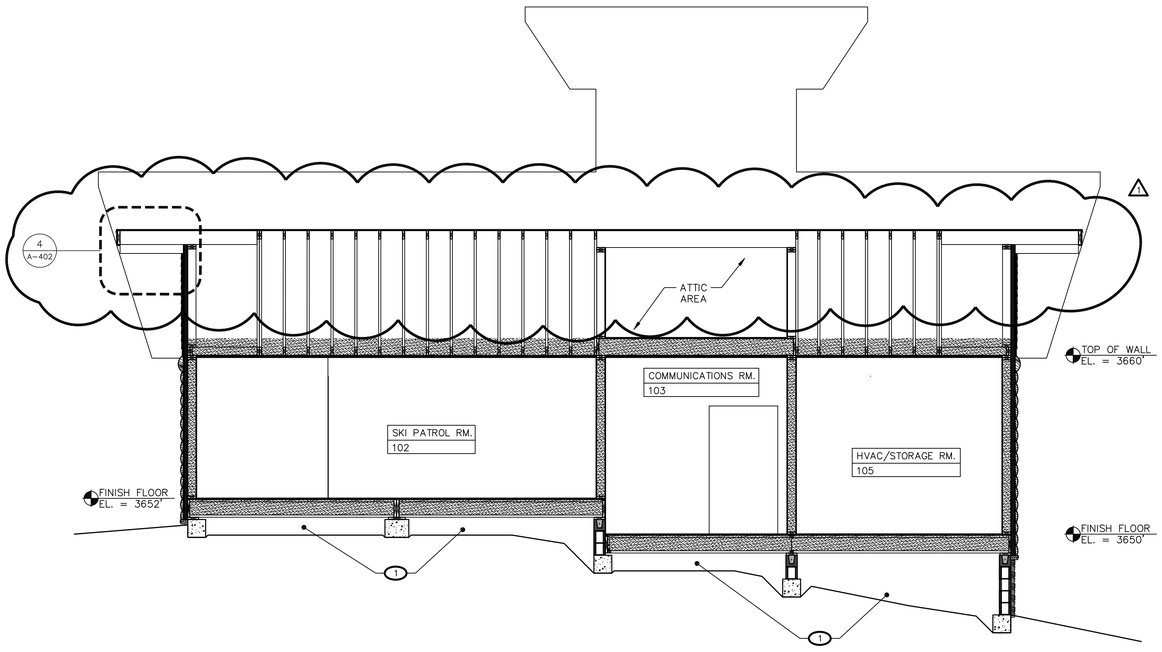


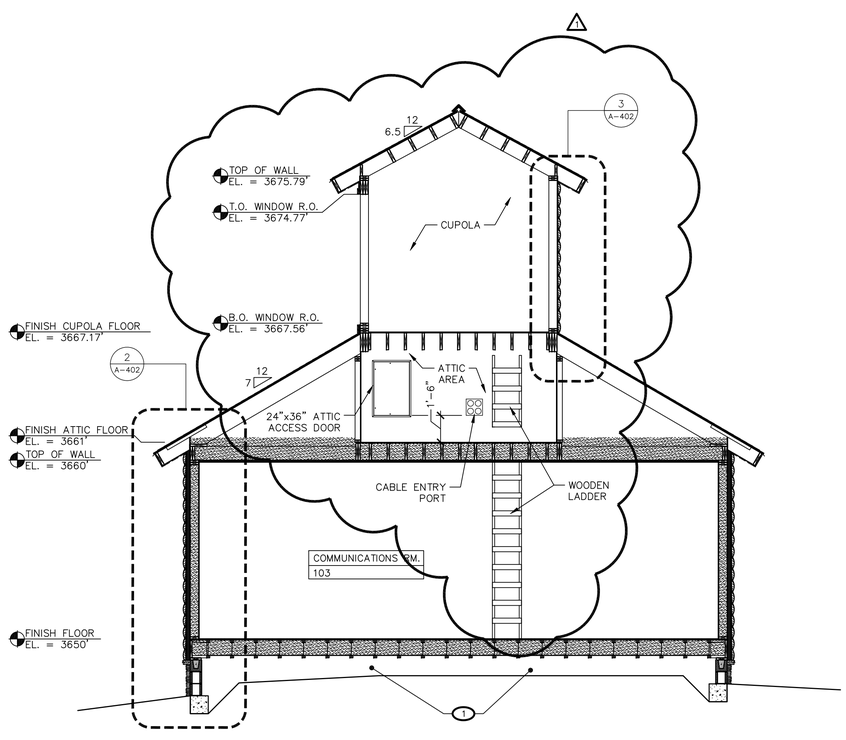
1 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"



2 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"



3 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"



4 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"

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ARCHITECT - ENGINEER - LAND SURVEYOR

DRAWING NOTES:

1. VAPOR BARRIER:
   - PROVIDE 2 LAYERS OF REINFORCED FIRE RETARDANT VAPOR RETARDER OVER ENTIRE CRAWL SPACE
   - BALLAST WITH 2"x 8"x 16" CONCRETE PAVERS @ 10'-0" O.C. BOTH WAYS
   - EXTEND VAPOR RETARDER UP FACE OF CONCRETE FOUNDATION WALLS & SECURE WITH PRESSURE TREATED 1"x 4" CONTINUOUS FURRING STRIP
2. PROVIDE 2 LAYERS OF 2" FOIL FACED BOARD INSULATION & FASTEN TO CMU FOUNDATION WALL.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

BUILDING SECTIONS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

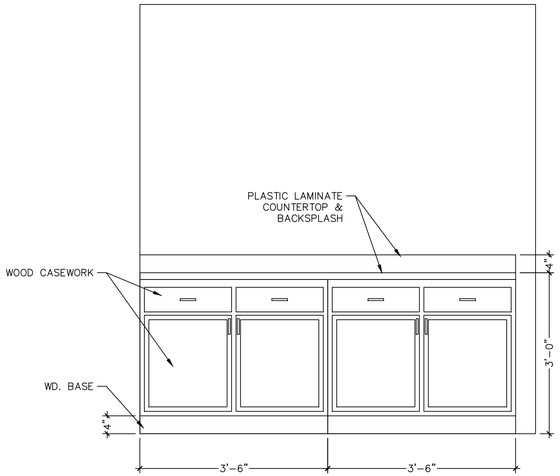
1" 2" 3" 4"

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

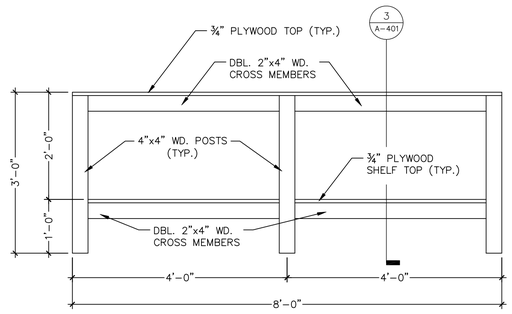
DRAWING NO.

A-301

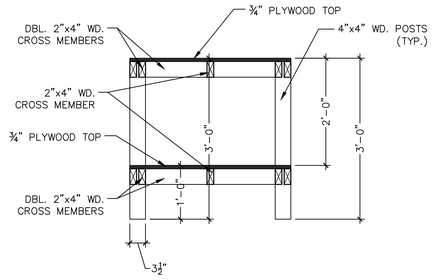
Plot Date: 06/15/2012 Plot Time: 12:28 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-300's Revised.dwg



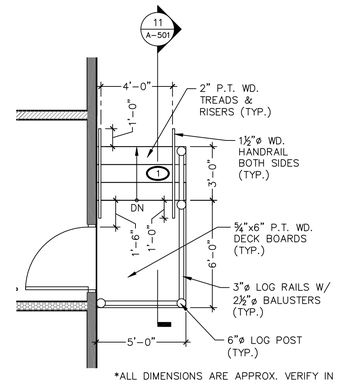
1 A-401 INTERIOR ELEVATION
SCALE: 3/4" = 1'-0"



2 A-401 WORK BENCH ELEVATION
SCALE: 3/4" = 1'-0"

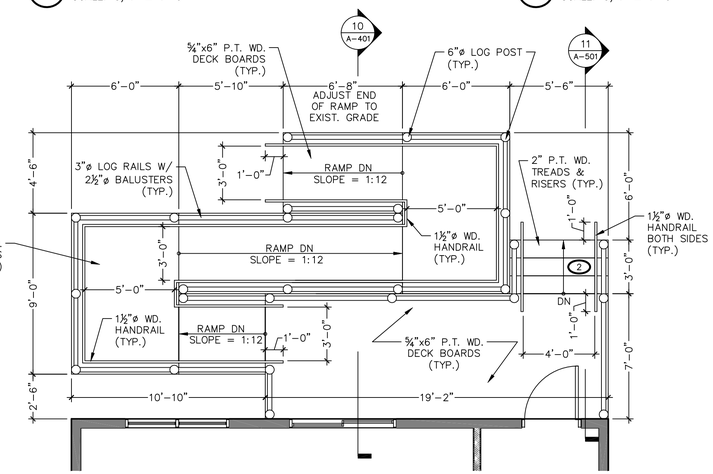


3 A-401 SECTION – WORK BENCH
SCALE: 3/4" = 1'-0"



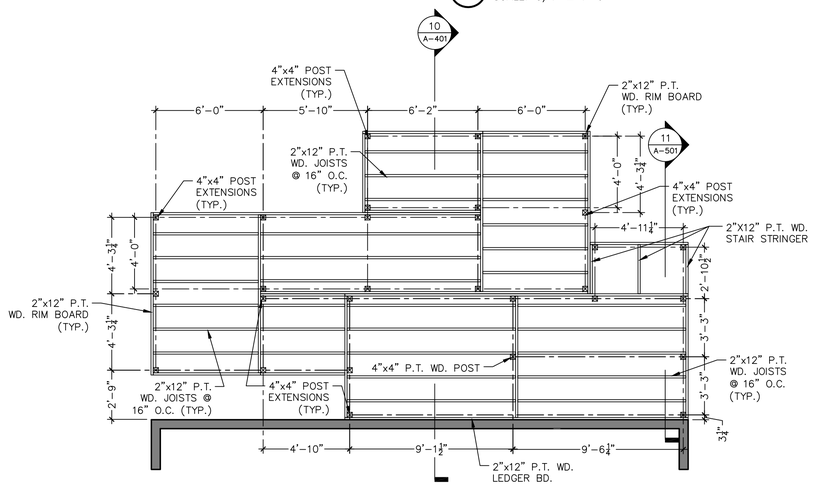
*ALL DIMENSIONS ARE APPROX. VERIFY IN FIELD

4 A-401 STAIR #1 PLAN
SCALE: 1/4" = 1'-0"

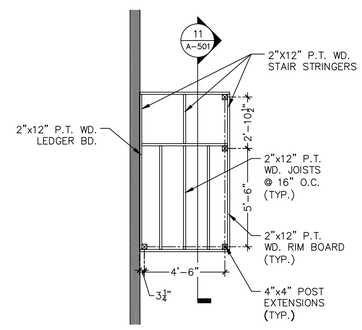


*ALL DIMENSIONS ARE APPROX. VERIFY IN FIELD

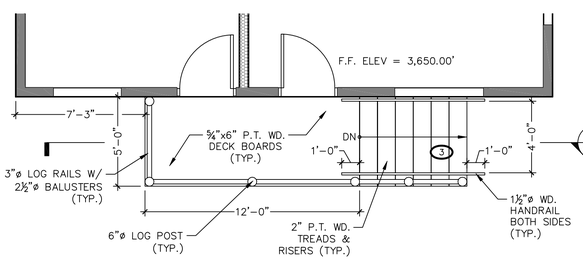
5 A-401 RAMP/STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



6 A-401 RAMP/STAIR #2 FRAMING PLAN
SCALE: 1/4" = 1'-0"

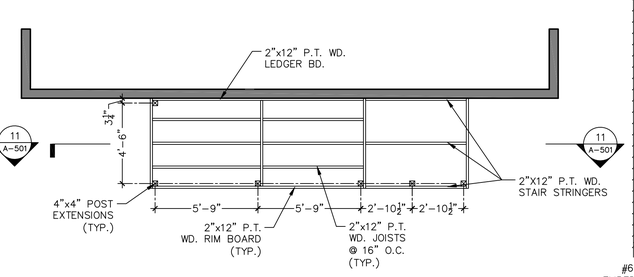


7 A-401 STAIR #1 FRAMING PLAN
SCALE: 1/4" = 1'-0"

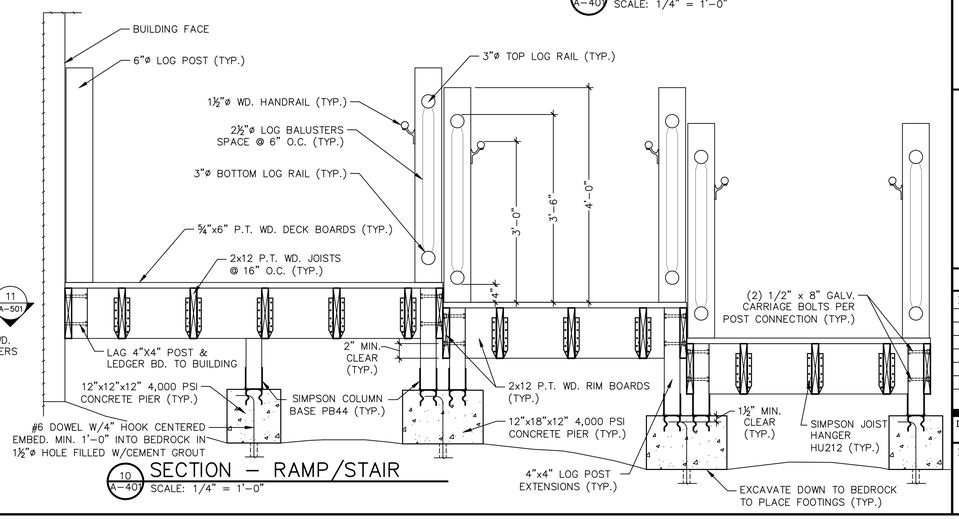


*ALL DIMENSIONS ARE APPROX. VERIFY IN FIELD

8 A-401 STAIR #3 PLAN
SCALE: 1/4" = 1'-0"



9 A-401 STAIR #3 FRAMING PLAN
SCALE: 1/4" = 1'-0"



10 A-401 SECTION – RAMP/STAIR
SCALE: 1/4" = 1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

DRAWING NOTES:

1. STAIR #1: TREADS = 3 @ 11¼"
   RISERS = 4 @ 6"
   *APPROX. TOTAL HEIGHT = 2'–0"
2. STAIR #2: TREADS = 3 @ 11¼"
   RISERS = 4 @ 6"
   *APPROX. TOTAL HEIGHT = 2'–0"
3. STAIR #3: TREADS = 5 @ 11¼"
   RISERS = 6 @ 6"
   *APPROX. TOTAL HEIGHT = 3'–0"

*ADJUST TOTAL HEIGHT ACCORDING TO FINAL FINISH GRADE.

PROJECT TITLE:
ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

INTERIOR ELEVATIONS, RAMP & STAIR PLANS

REVISIONS

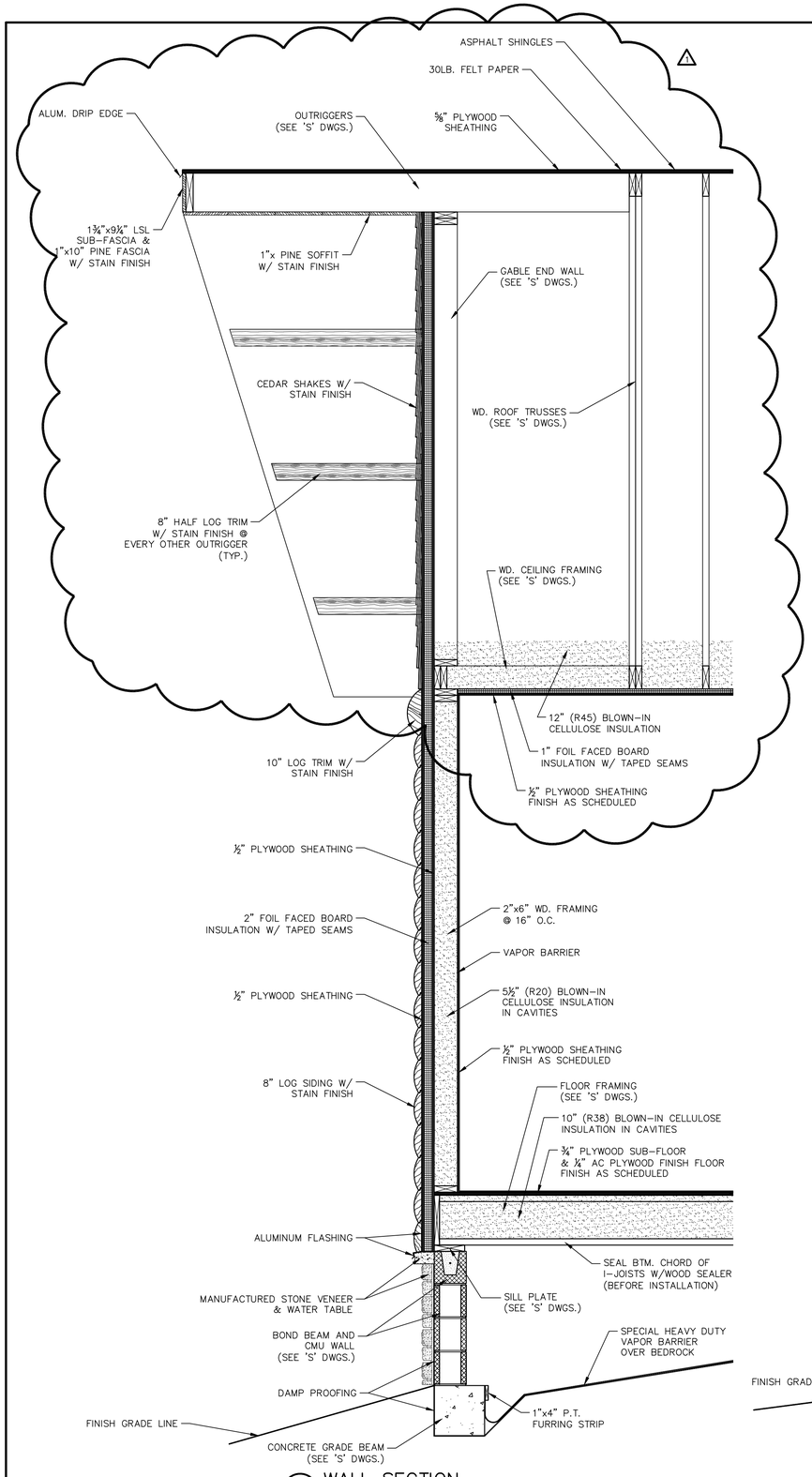
NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

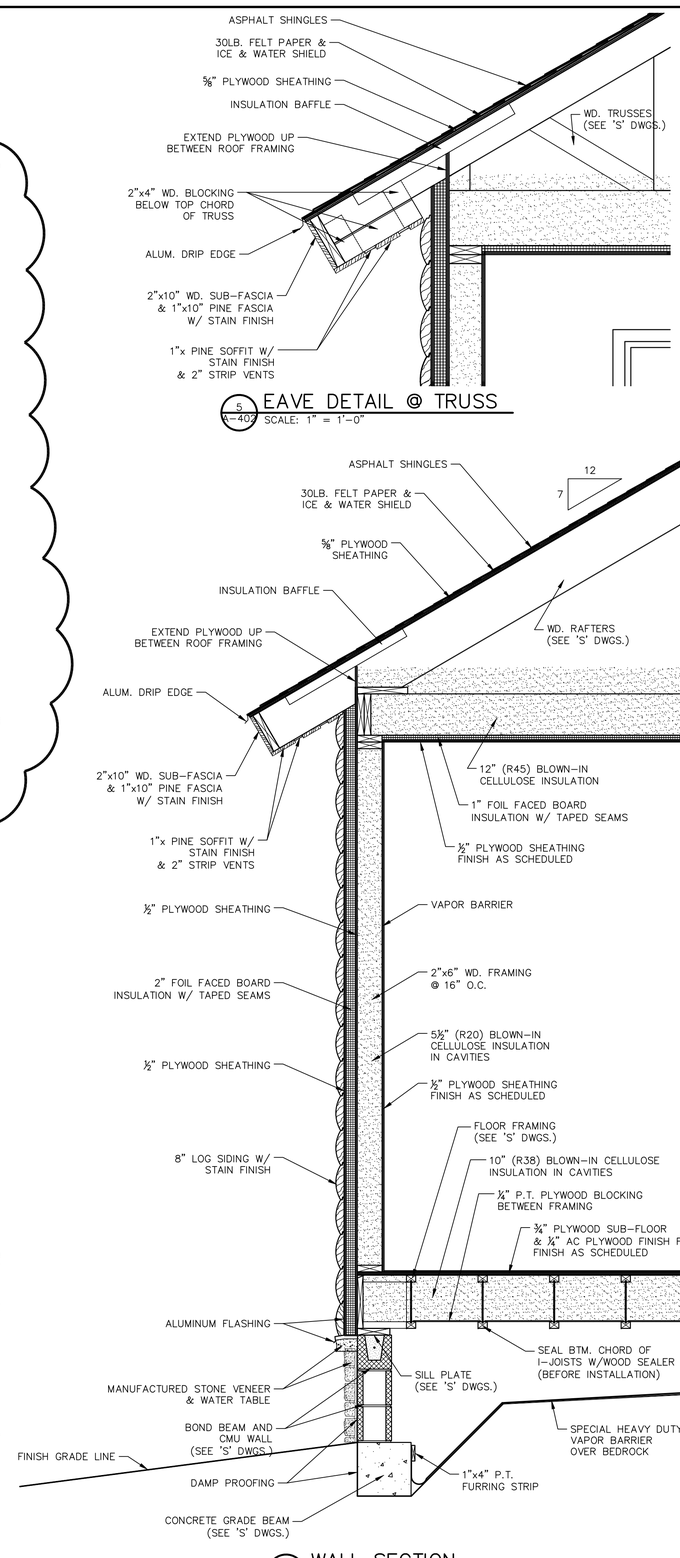
DRAWING NO.

A–401

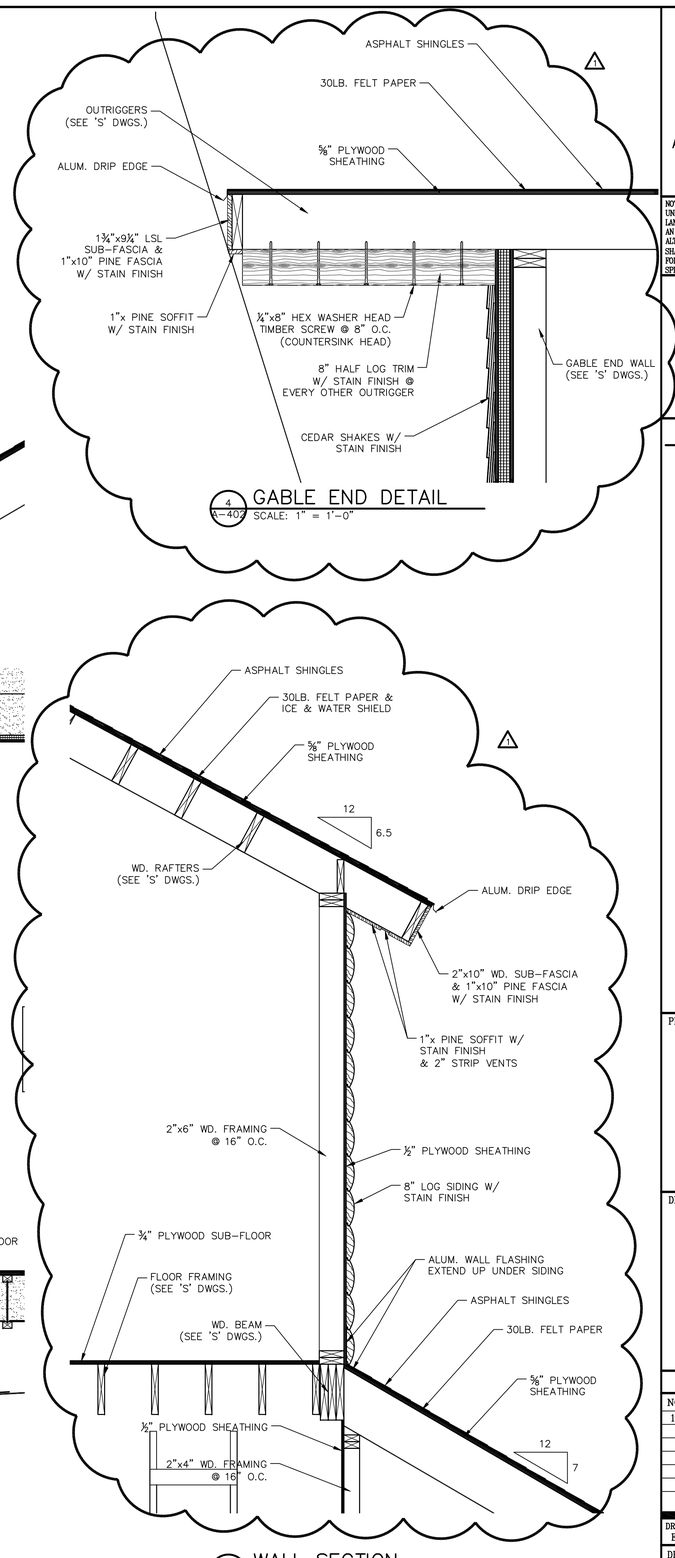
Plot Date: 06/15/2012 Plot Time: 12:29 PM
File Path: P:\37\3760 Essex County – Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-400's Revised.dwg



1 A-402 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A-402 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A-402 GABLE END DETAIL
SCALE: 1" = 1'-0"

3 A-402 WALL SECTION
SCALE: 3/4" = 1'-0"

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ARCHITECT - ENGINEER - LAND SURVEYOR

NOTES:

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

WALL SECTIONS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

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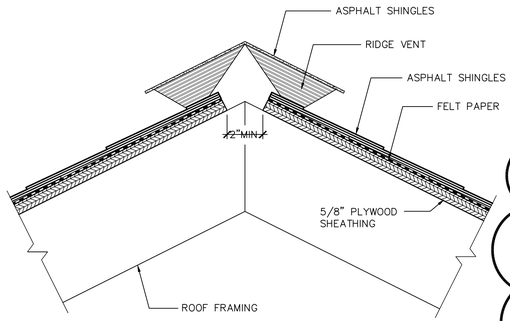
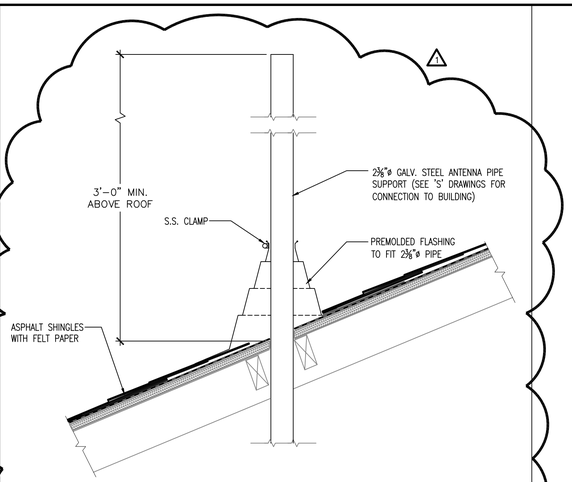
A-402

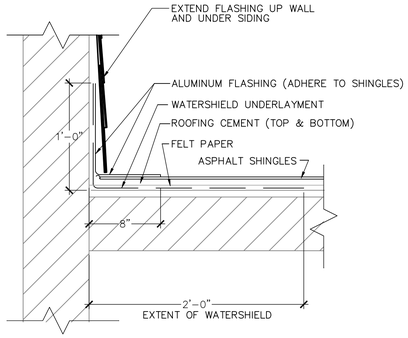
Plot Date: 06/15/2012 Plot Time: 12:29 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-400's Revised.dwg



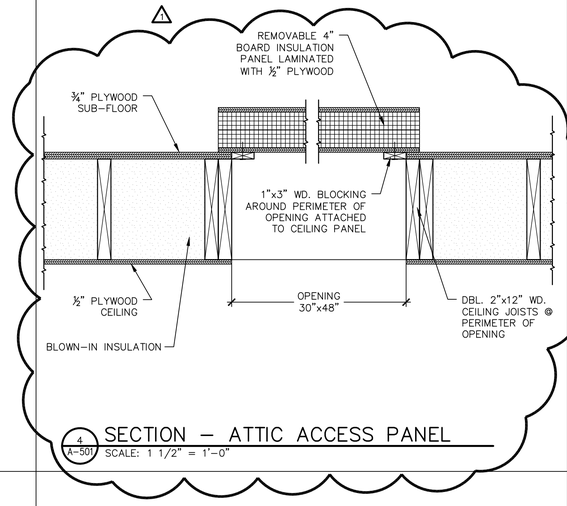
1 A-501 SECTION – RIDGE VENT
SCALE: 3" = 1'-0"



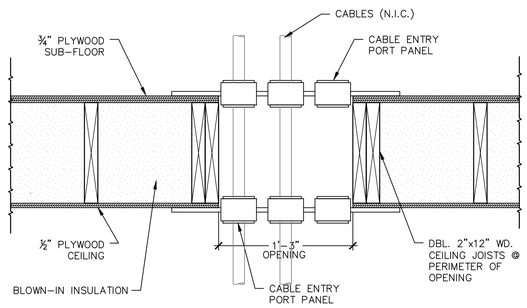
2 A-501 SECTION – ANTENNA SUPPORT FLASHING
SCALE: 1 1/2" = 1'-0"
NOTE: COORDINATE LOCATION W/ ANTENNA INSTALLER



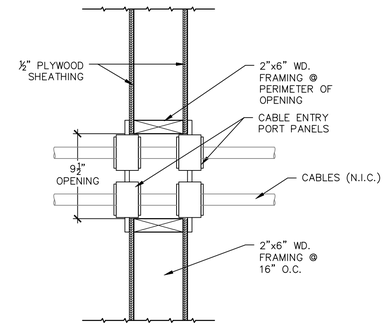
3 A-501 SECTION – WALL FLASHING
SCALE: 1 1/2" = 1'-0"



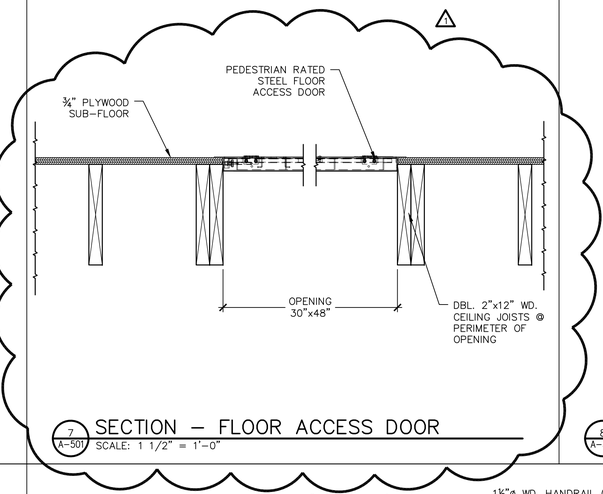
4 A-501 SECTION – ATTIC ACCESS PANEL
SCALE: 1 1/2" = 1'-0"



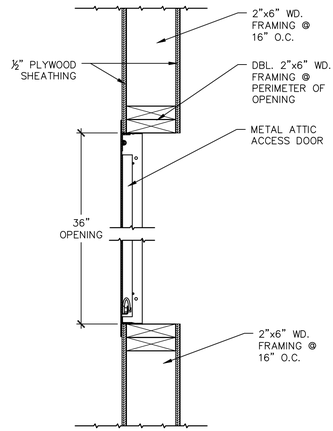
5 A-501 SECTION – CABLE ENTRY PORT
SCALE: 1 1/2" = 1'-0"



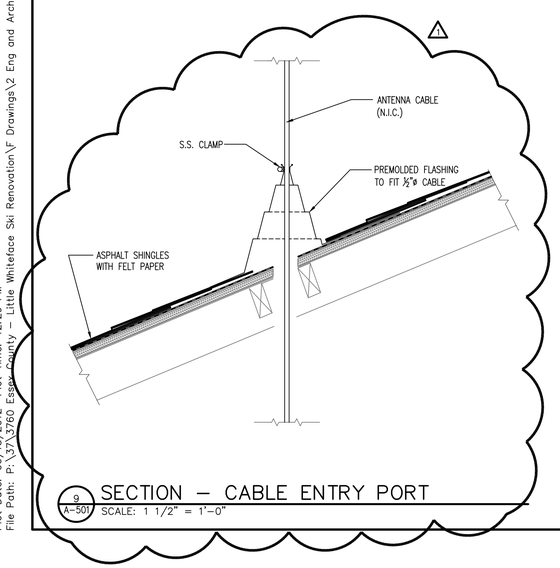
6 A-501 SECTION – CABLE ENTRY PORT
SCALE: 1 1/2" = 1'-0"



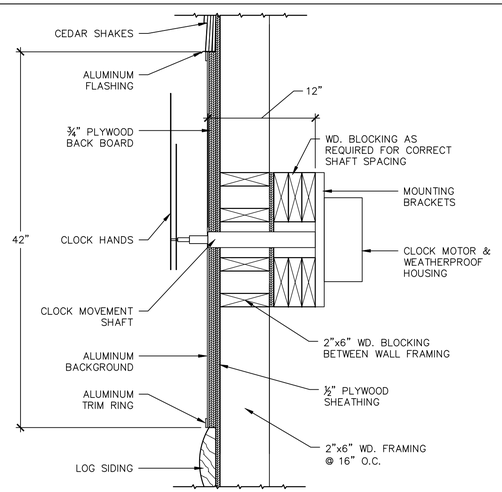
7 A-501 SECTION – FLOOR ACCESS DOOR
SCALE: 1 1/2" = 1'-0"



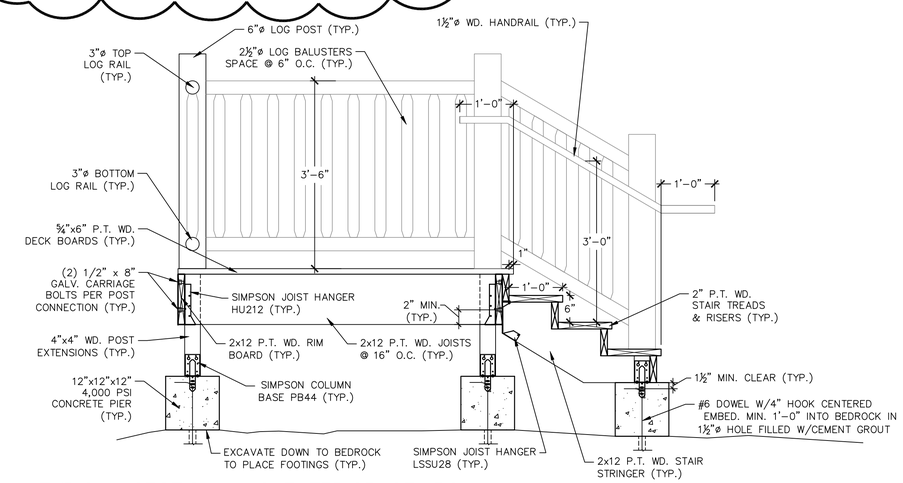
8 A-501 SECTION – ATTIC ACCESS DOOR
SCALE: 1 1/2" = 1'-0"



9 A-501 SECTION – CABLE ENTRY PORT
SCALE: 1 1/2" = 1'-0"



10 A-501 SECTION – @ CLOCK WALL
SCALE: 1 1/2" = 1'-0"



11 A-501 TYPICAL SECTION – @ EXTERIOR STAIRS
SCALE: 3/4" = 1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

NOTES:

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

CONSTRUCTION DETAILS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
E.SEARS		06/28/2011	3760

DRAWING NO.

A-501

Plot Date: 06/15/2012 Plot Time: 12:29 PM
File Path: P:\7\3760 Essex County – Little Whiteface Ski Renovation\7 Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-500's Revised.dwg

FINISH SCHEDULE

RM NO.	ROOM NAME	FLOOR		BASE		WALLS		CEILING			REMARKS
		MATERIAL/ SUBSTRATE	FINISH	MATERIAL/ SUBSTRATE	FINISH	MATERIAL/ SUBSTRATE	FINISH	MATERIAL/ SUBSTRATE	FINISH	HEIGHT	
101	VESTIBULE	¾" PLYWD	POLY	WD	PAINT	PLYWD	PAINT	PLYWD	PAINT	8'-0"	
102	SKI PATROL ROOM	¾" PLYWD	POLY	WD	PAINT	PLYWD	PAINT	PLYWD	PAINT	8'-0"	
103	COMMUNICATIONS ROOM	¾" PLYWD	ESD VCT	WD	PAINT	PLYWD/GYP	PAINT	PLYWD	PAINT	10'-0"	5/8" TYPE 'X' GYPSUM PANELS WITH ½" PLYWOOD SHEATHING ON TOP; SEE WALL TYPES FOR SPECIFIC WALLS
104	GENERATOR ROOM	¾" PLYWD	POLY	WD	PAINT	PLYWD/GYP	PAINT	PLYWD/GYP	PAINT	10'-0"	5/8" TYPE 'X' GYPSUM PANELS WITH ½" PLYWOOD SHEATHING ON TOP ON WALLS & CEILING
105	HVAC/STORAGE ROOM	¾" PLYWD	POLY	WD	PAINT	PLYWD/GYP	PAINT	PLYWD	PAINT	10'-0"	5/8" TYPE 'X' GYPSUM PANELS WITH ½" PLYWOOD SHEATHING ON TOP; SEE WALL TYPES FOR SPECIFIC WALLS
	ATTIC	½" PLYWD	–	–	–	PLYWD	–	–	–	–	

FINISH SCHEDULE LEGEND

DWG. CODE	DESCRIPTION
ACP	ACOUSTICAL CEILING PANEL SYSTEM & GRID (SEE CLG. PLAN)
CARP	NYLON CARPET LEVEL LOOP
GYP	GYPSUM BOARD, TAPED & COMPOUNDED
WD	1"x4" WD. WALL BASE
PLYWD	PLYWOOD SUB-FLOOR OR WALL SHEATHING
POLY	CLEAR SATIN POLYURETHANE – 2 COATS
PAINT	PAINT FINISH – LATEX – PRIMER + 2 COATS
VSF	VINYL SHEET FLOORING
VCT	VINYL COMPOSITION TILE
VCB	4" VINYL COVE BASE
QT	QUARRY TILE
CT	CERAMIC TILE
ESD	ELECTROSTATIC DISCHARGE

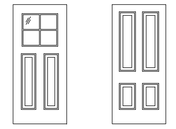
DOOR SCHEDULE

DWG. CODE	TO/FROM ROOM NAME/#	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE THK	DOOR TYPE	FIRE RATING	FRAME MATERIAL	FRAME FINISH	FRAME GLAZING	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL
001	EXTERIOR TO VESTIBULE (101)	3'-0"	7'-0"	1¾"	A	–	AMP	F.F.	INSUL.	ALUM.	F.F.	1/A-601	2/A-601	3/A-601
002	VESTIBULE (101) TO SKI PATROL RM. (102)	3'-0"	7'-0"	1¾"	A	–	AMP	F.F.	INSUL.	ALUM.	F.F.	1/A-602	5/A-602	9/A-602
003	EXTERIOR TO COMMUNICATIONS RM. (103)	3'-6"	7'-0"	1¾"	B	–	AMP	F.F.	–	ALUM.	F.F.	1/A-601	2/A-601	3/A-601
004	EXTERIOR TO GENERATOR RM. (104)	3'-0"	7'-0"	1¾"	B	–	AMP	F.F.	–	ALUM.	F.F.	1/A-601	2/A-601	3/A-601
005	EXTERIOR TO HVAC/STORAGE RM. (105)	3'-0"	7'-0"	1¾"	B	–	AMP	F.F.	–	ALUM.	F.F.	1/A-601	2/A-601	3/A-601

HARDWARE SCHEDULE ● NEW HARDWARE

DWG. CODE	HINGES	CLOSER	THRESHOLD	EXIT DEVICE	DOOR STOP	LOCK CYLINDER	WEATHER STRIPPING & SILL SWEEP	DOOR SEAL & GASKETING	LOCK SET/ LATCH SET	LOCKSET (BHMA) FUNCTION	FLUSH BOLT/ RECEIVER	ELECTRIC STRIKE	DOOR & FRAME REMARKS/ROUGH OPENINGS
001	●	●	●			●	●	●	●	ENTR.			NOTE: FIELD VERIFY ALL DIMENSIONS
002	●	●	●		●		●		●	PASS.			
003	●	●	●		●	●	●	●	●	ENTR.			
004	●	●	●		●	●	●	●	●	ENTR.			
005	●	●	●		●	●	●	●	●	ENTR.			

DOOR/FRAME ELEVATIONS



A EXTERIOR B EXTERIOR

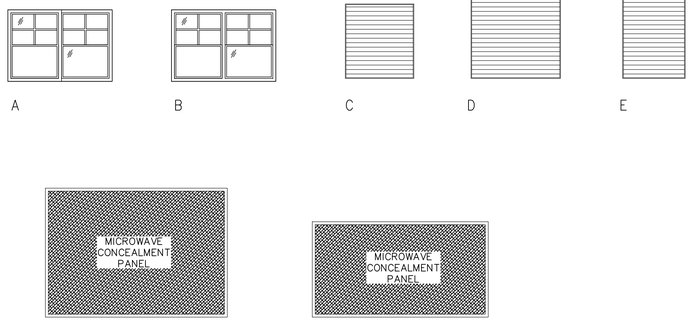
HARDWARE FUNCTIONS

DWG CODE	DESCRIPTION
ENTR.	ENTRANCE
PASS.	PASSAGE
PRIV.	PRIVACY
OFF.	OFFICE
STOR.	STORAGE
HOTL.	HOTEL
CLAS.	CLASSROOM

WINDOW/LOUVER SCHEDULE

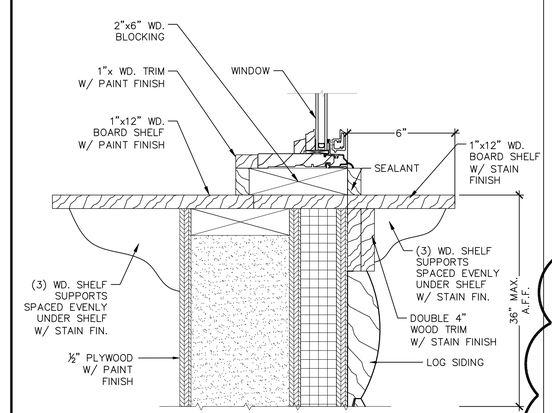
DWG. CODE	SIZE WIDTH	SIZE HEIGHT	ELEVATION	DESCRIPTION	GLAZING	OPTIONS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	REMARKS
A	6'-0"	4'-0"	A	ALUMINUM CLAD WOOD SLIDER	INSUL.	LOW E, ARGON FILLED	2/A-602	6/A-602	1/A-601	
B	6'-0"	4'-0"	B	ALUMINUM CLAD WOOD DOUBLE HUNG	INSUL.	LOW E, ARGON FILLED	2/A-602	6/A-602	10/A-602	(2) 3'-0"x 4'-0" UNITS MULLED TOGETHER
C	3'-10"	4'-2"	C	ALUMINUM LOUVER	–	WEATHERPROOF	3/A-602	7/A-602	11/A-602	
D	5'-0"	6'-0"	D	ALUMINUM LOUVER	–	WEATHERPROOF	3/A-602	7/A-602	11/A-602	
E	3'-6"	5'-0"	E	ALUMINUM LOUVER	–	WEATHERPROOF	3/A-602	7/A-602	11/A-602	
F	10'-2"	7'-2½"	F	PRE-TENSIONED FIBERGLASS FRAME	R.F.	–	2/A-601	3/A-601	4/A-601	
G	9'-10"	5'-4"	G	PRE-TENSIONED FIBERGLASS FRAME	R.F.	–	2/A-601	3/A-601	4/A-601	

WINDOW/LOUVER ELEVATIONS

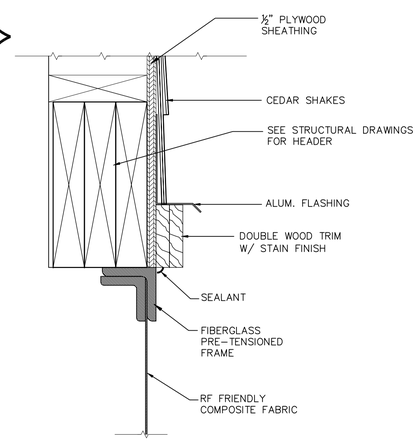


DOOR/WINDOW SCHEDULE LEGEND

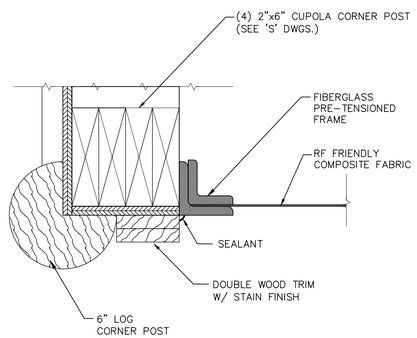
DWG CODE	DESCRIPTION
ALUM.	ALUMINUM
AMP	ACRYLIC MODIFIED POLYESTER
HM	HOLLOW METAL
HM/KD	HOLLOW METAL / KNOCK DOWN
INSUL. HM	INSULATED HOLLOW METAL
INSUL.	INSULATED GLASS
PAINT	PAINT FINISH
POLY	POLYURETHANE (CLEAR SATIN)
WD	WOOD VENEER W/ SOLID CORE
F.F.	FACTORY FINISH
F.G.	FIBERGLASS
R.F.	RADIO FREQUENCY FRIENDLY COMPOSITE FABRIC



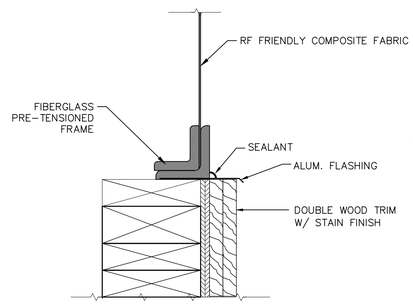
1 A-601 SECTION – SERVICE WINDOW SILL
SCALE: 3" = 1'-0"



2 A-601 SECTION – WINDOW HEAD
SCALE: 3" = 1'-0"



3 A-601 SECTION – WINDOW JAMB
SCALE: 3" = 1'-0"



4 A-601 SECTION – WINDOW SILL
SCALE: 3" = 1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

NOTES:

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

DOOR, WINDOW & FINISH SCHEDULES & DETAILS

REVISIONS

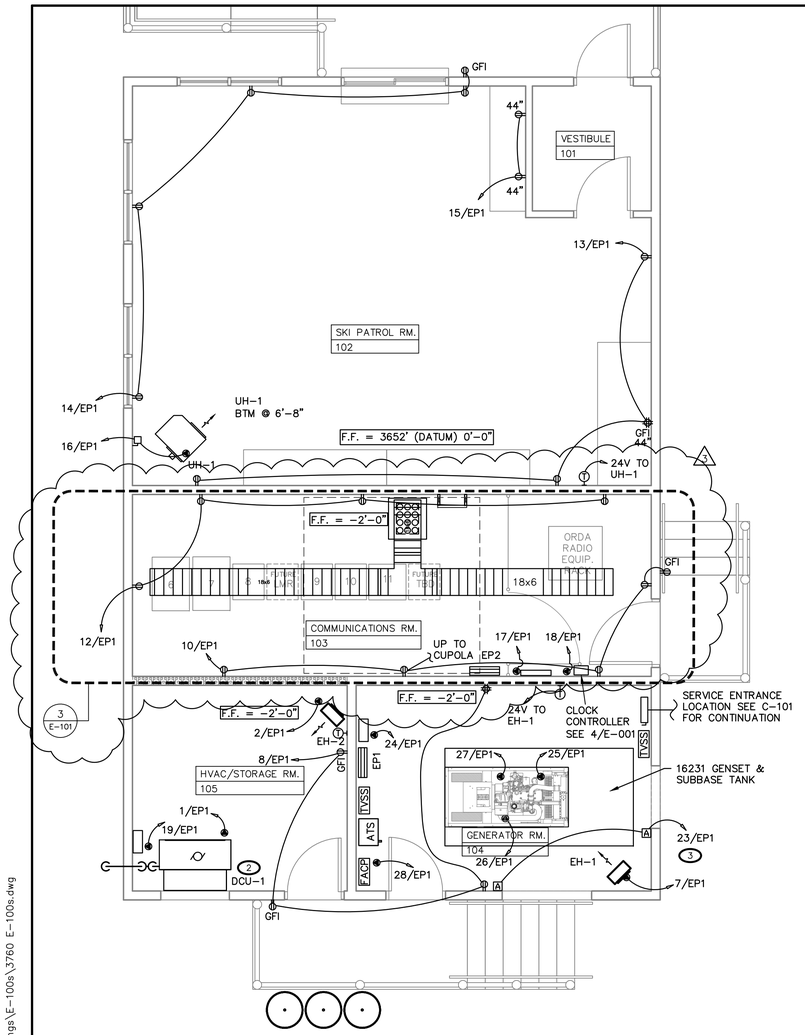
NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1.	GENERAL REVISIONS	06/15/2012

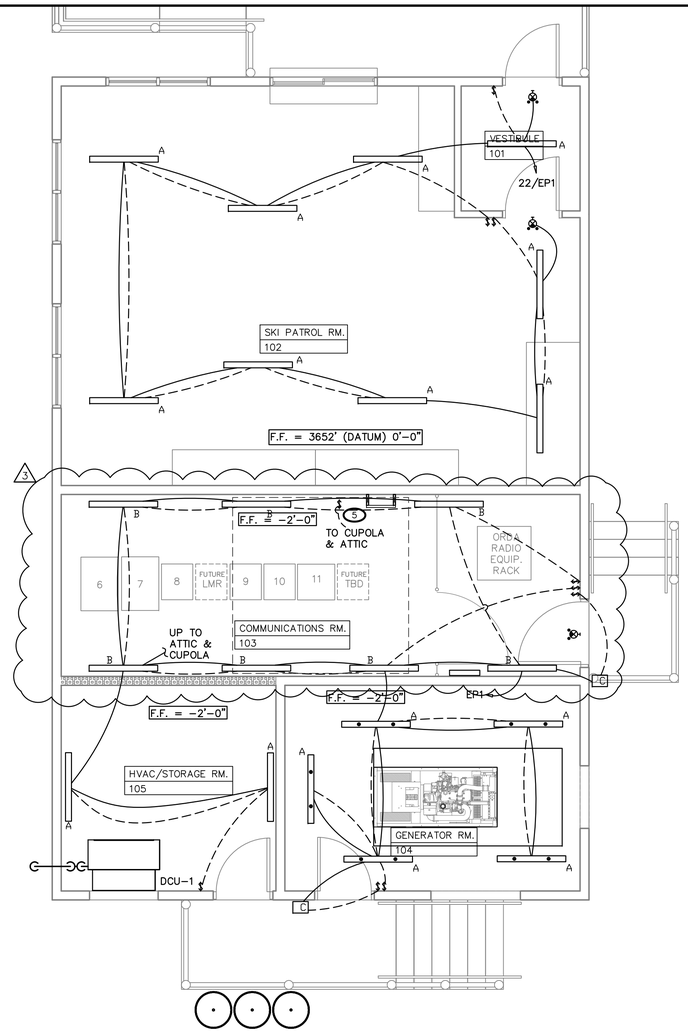
DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
J.BARBER		06/28/2011	3760

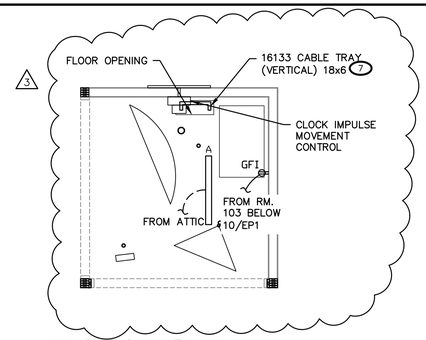
DRAWING NO.

A-601

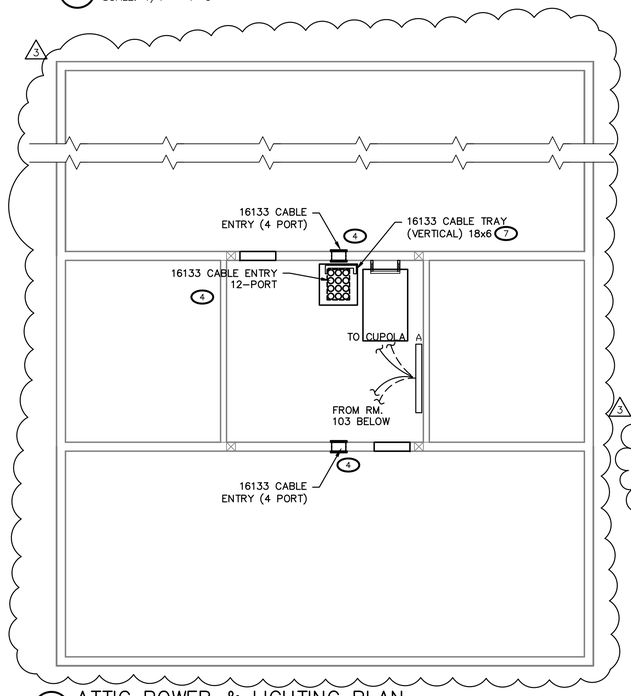
Plot Date: 06/15/2012 Plot Time: 12:29 PM
File Path: P:\37\3760 Essex County – Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\ADDENDUM NO. 7 DRAWINGS\3760 A-600's Revised.dwg







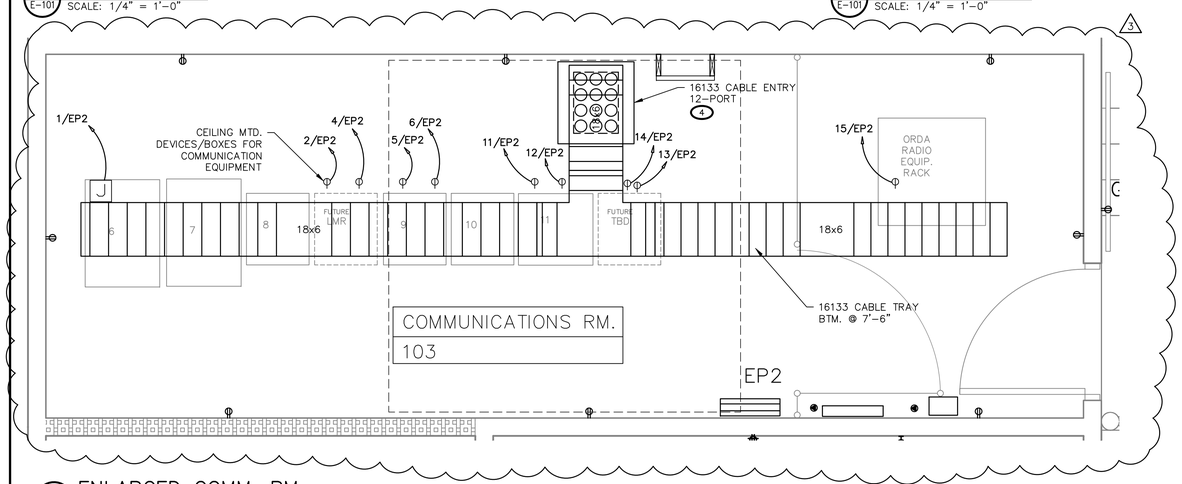
4 E-101 CUPOLA PLAN
SCALE: 1/4" = 1'-0"



5 E-101 ATTIC POWER & LIGHTING PLAN
SCALE: 1/4" = 1'-0"

1 E-101 POWER PLAN
SCALE: 1/4" = 1'-0"

2 E-101 LIGHTING PLAN
SCALE: 1/4" = 1'-0"



3 E-101 ENLARGED COMM. RM.
SCALE: 1/2" = 1'-0"

COMMUNICATION EQUIPMENT SCHEDULE (N.I.C.)

ITEM NO.	EQUIPMENT NAME/DESCRIPTION	VOLTAGE	PHASE	CYCLE	NEMA	TYPE	QTY	VOLT-AMPS (VA)	TOTAL VA	REMARKS
1	OMNIDIRECTIONAL ANTENNA	–	–	–	–	–	–	–	–	
2	PARABOLIC ANTENNA	–	–	–	–	–	–	–	–	
3	SUPER STATIONMASTER OMNI FIBERGLASS ANTENNA	–	–	–	–	–	–	–	–	
4	EXPOSED DIPOLE DIRECTIVE ANTENNA	–	–	–	–	–	–	–	–	
5	PAD6-65BC1S1R 6' STD., SINGLE POLE ANTENNA W/ RADOME	–	–	–	–	–	–	–	–	
6	UPS CABINET	208	1	60	0		1	4300	4300	
7	COMBINER RACK	120	1	60	0		1	0	0	
8	LMR RACK (GTR8000'S)	–	–	–	–	–	–	–	–	
	FUTURE LMR RACK	120	1	60	5-20R	SIMPLEX	2	1152	2304	
9	CHARGER (RECTIFIER) & BATTERIES	208	1	60	L14-20R	SIMPLEX	2	830	1660	
10	MICROWAVE RACK (MHSB)	–	–	–	–	–	–	–	–	
11	DANIELS FIRE PAGING CABINET (BASE)	120	1	60	5-20R	SIMPLEX	1	650	650	
11	DANIELS FIRE PAGING CABINET (UPPER)	120	1	60	5-20R	SIMPLEX	1	1152	1152	
	FUTURE TBD	120	1	60	5-20R	SIMPLEX	2	1152	2304	
	ORDA RADIO EQUIPMENT RACK	120	1	60	5-20R	SIMPLEX	1	650	650	

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ARCHITECT – ENGINEER – LAND SURVEYOR

NOTES:

1. MOUNT THE LIGHT FIXTURES AT THE FOLLOWING ELEVATIONS:

ROOM	TYPE	HEIGHT (AFF)
101	A	8'-0"
102	A	8'-0"
103	B	8'-0"
104	A	10'-0"
105	A	8'-0"
EXTERIOR	S	SEE A' DWGS.
102,103	EXIT	6'-8"
ATTIC	A	15'-0"
CUPOLA	A	28'-0"

2. DCU-1 SHALL BE PROVIDED W/ FACTORY MTD DISCONNECT SWITCH.
3. ATS/GENSET RELAY CONTROL TO ACTIVATE DAMPER ACTUATORS.
4. REFER TO 'A' DRAWINGS FOR CABLE ENTRY DETAILS AND SPECIFIC LOCATIONS.
5. CUPOLA ATTIC SWITCH SHALL HAVE ILLUMINATED-ON PILOT LIGHT.
6. GENERATOR ROOM WALLS (TYPE 'D') REQUIRE FIRESTOPPING 1 HOUR.
7. ALIGN VERTICAL CABLE TRAY W/ CABLE ENTRY PORT. VERTICAL TRAY SHALL EXTEND APPROX. 1'-0" ABOVE CUPOLA PLATFORM TO 1'-0" BELOW RM. 103 FINISHED CEILING. TOTAL LENGTH APPROXIMATELY 9'-6".

PROJECT TITLE:
ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
WILMINGTON, NEW YORK

DRAWING TITLE:
ELECTRICAL PLANS

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	ALARM MONITORING	04/06/2012
2	GENERAL REVISIONS	05/04/2012
3	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
J. LUSTENADER		06/28/2011	3760

DRAWING NO.
E-101

Plot Date: 06/15/2012 Plot Time: 12:29 PM
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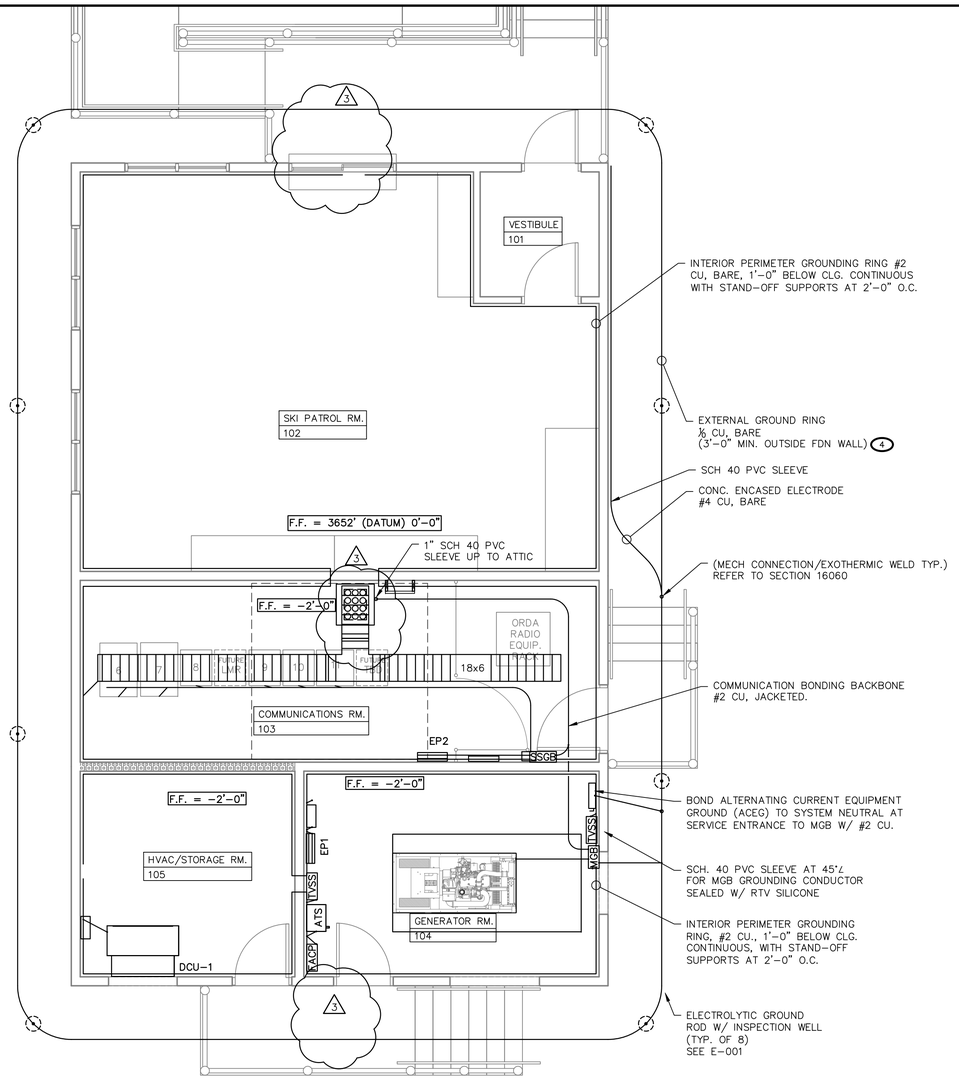
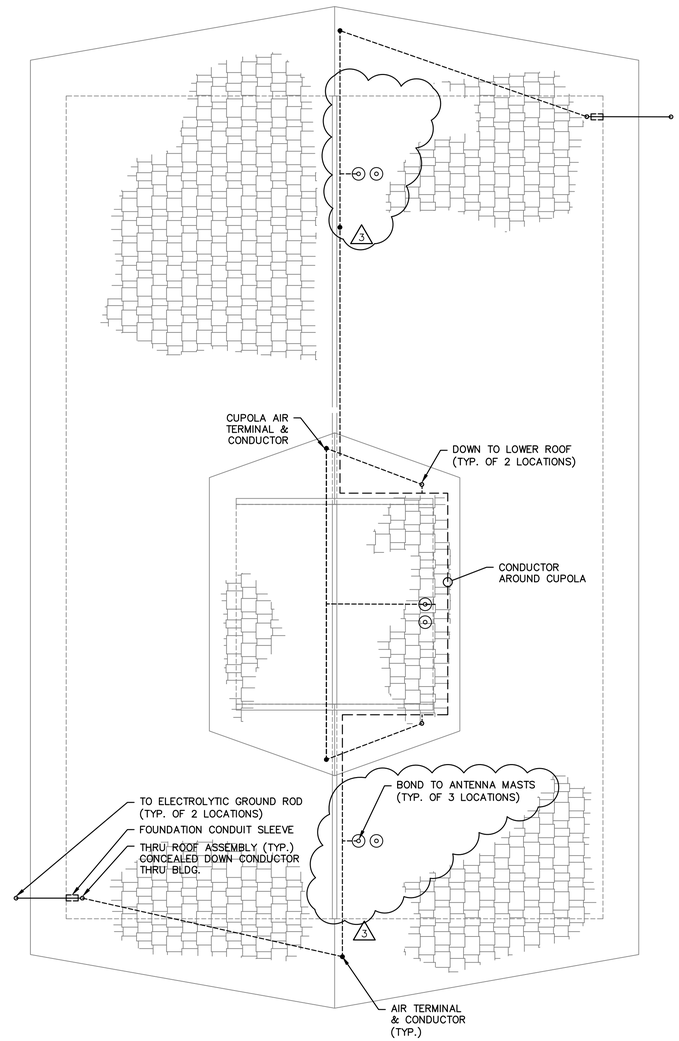


1 GROUNDING PLAN
E-102 SCALE: 1/4" = 1'-0"

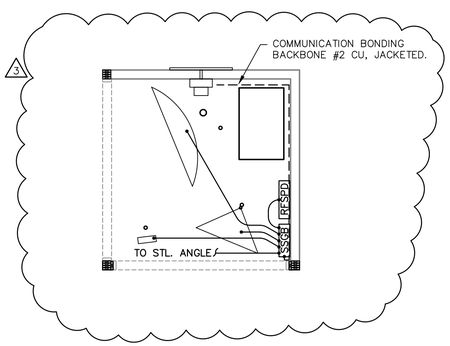
2 INTERIOR GROUNDING RISER
E-102 SCALE: N.T.S.



3 LIGHTING PROTECTION PLAN
E-102 SCALE: 1/4" = 1'-0"

MGB	MAIN GROUND BUSS BAR
SSGB	SUB SYSTEM GROUNDING BUS BAR
RGB	RACK GROUND BUS BAR
EGB	EXTERNAL GROUND BUS BAR
RFSPD	RF SURGE PROTECTIVE DEVICE

1. MGB GROUNDING CONDUCTOR: #2 CU. TO ACEG BARE
2. COMMUNICATION BONDING BACKBONE: JACKETED #2 CU.
3. INTERIOR PERIMETER GROUNDING BUS (IPGB): BARE #2 CU.
4. BOND CABLE TRAY SECTIONS W/ JUMPERS: JACKETED #6 CU.
5. TYP. RACK GROUND BUS BAR GROUNDING CONDUCTOR: JACKETED #2 CU.
6. TYP. EQUIPMENT GROUNDING CONDUCTOR: REFER TO SPEC. 16060 FOR SIZING.
7. TYP. COMMUNICATION DISH SUPPORT BONDING
8. SCH. 40 PVC SLEEVE
9. GENERATOR CHASSIS GROUND
10. EXTERNAL GROUND BUS CONDUCTOR. #⅛ CU, BARE
11. RF SURGE PROTECTION GROUND CONDUCTOR, #6 CU, BARE



4 CUPOLA GROUNDING PLAN
E-102 SCALE: 1/4" = 1'-0"

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ARCHITECT – ENGINEER – LAND SURVEYOR

NOTES:

1. THESE DRAWINGS REPRESENT SCHEMATIC REPRESENTATION OF BUILDING GROUNDING AND LIGHTNING PROTECTION SYSTEMS. REFER TO SPEC. SECTION 16100 FOR SPECIFIC REQUIREMENTS. NOT ALL EQUIPMENT/FIXTURES REQUIRING GROUNDING/BONDING IS ILLUSTRATED ON THESE DRAWINGS.
2. SPEC 16100 REQUIRES A LIGHTNING PROTECTION SYSTEM DESIGN TO DETERMINE GROUNDING CONDUCTOR SIZES, SPECIFIC LOCATIONS AND SYSTEM DETAILS.
3. RF SURGE PROTECTION DEVICES (N.I.C.) PROVIDED BY COMMUNICATION SYSTEM VENDOR.
4. PERIMETER/GROUND RING SHALL BE INSTALLED IN EXCAVATED TRENCH (12" MIN. DEPTH) AROUND PERIMETER OF BUILDING. TRENCH EXCAVATION BY ORDA, CONTRACTOR SHALL COVER ENTIRE GROUND RING AND TRENCH WITH CONDUCTIVE CONCRETE (12" MIN. DEPTH). IN AREAS WHERE FINISHED GRADE WILL BE HIGHER THAN TRENCH SURFACE, PROVIDE ADDITIONAL SOIL BACKFILL ON TOP OF GROUND RING TRENCH.

PROJECT TITLE:

ESSEX COUNTY

LITTLE WHITEFACE SKI PATROL BUILDING

WILMINGTON, NEW YORK

DRAWING TITLE:

ELECTRICAL GROUNDING PLAN

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	ALARM MONITORING	04/06/2012
2	GENERAL REVISIONS	05/04/2012
3	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
J. LUSTENADER		06/28/2011	3760

DRAWING NO.

E-102

Plot Date: 06/15/2012 Plot Time: 12:29 PM
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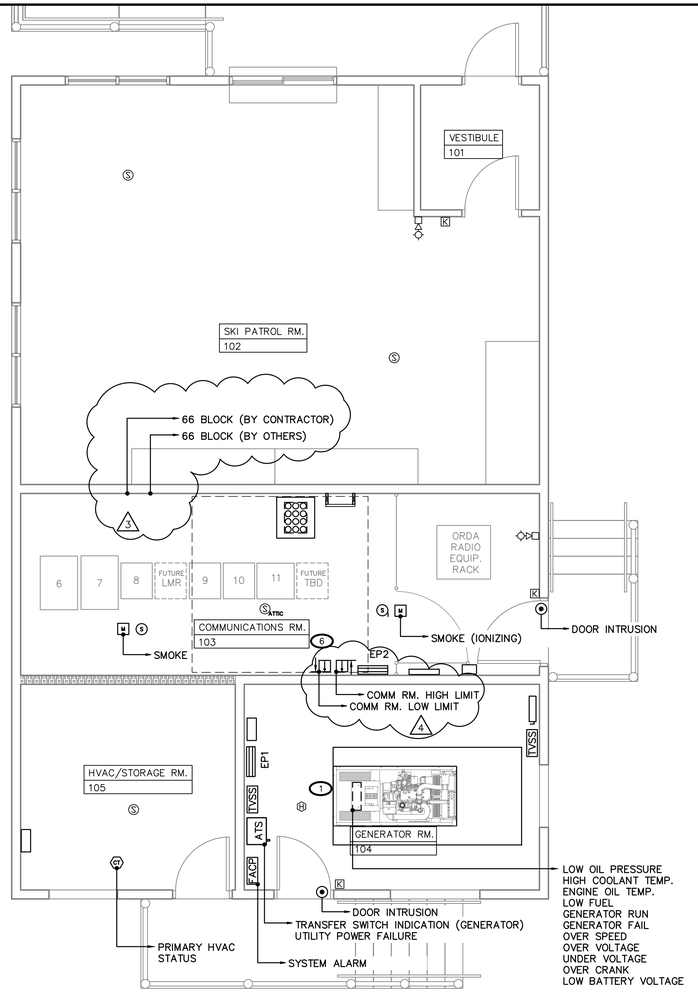
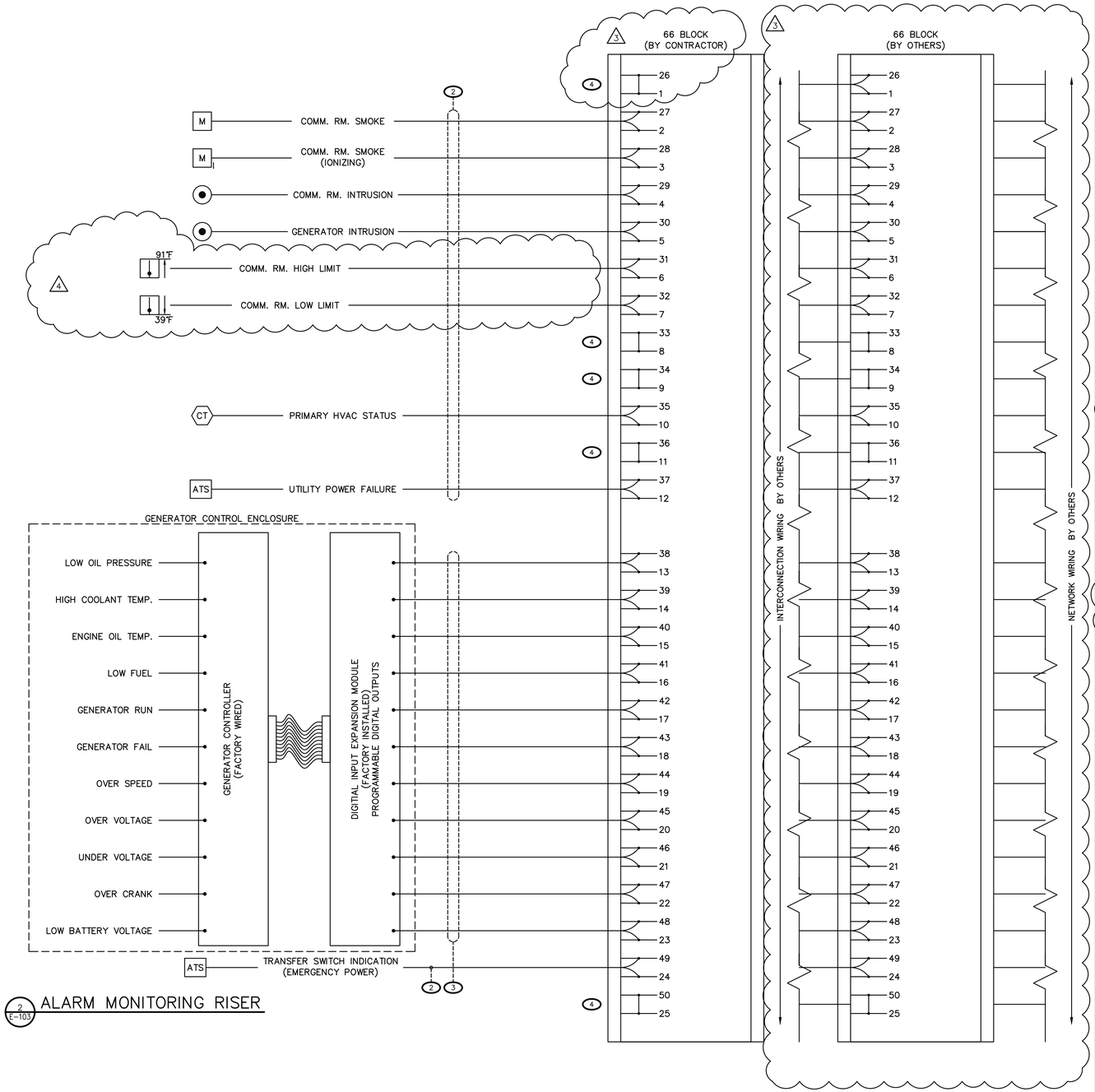


1 E-103 SPECIAL SYSTEMS PLAN
SCALE: 1/4" = 1'-0"



2 E-103 ALARM MONITORING RISER

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ARCHITECT – ENGINEER – LAND SURVEYOR

NOTES:

1. LOCATION OF GENERATOR CONTROLLER / DIGITAL EXPANSION MODULE.
2. PROVIDE 3/4" C. FOR EA. ALARM DEVICE. DO NOT USE CABLE TRAYS.
3. PROVIDE 1 1/4" C. FOR GENERATOR ALARMS TO 66 BLOCK. DO NOT USE CABLE TRAYS.
4. ALARM POINT NOT USED. JUMPER 66 BLOCK FOR N.C. CONDITION.
5. INSTALL ALARM MONITORING DEVICES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
6. INSTALL TEMPERATURE SENSORS AT 60" A.F.F.
7. COORDINATE FA ALARM RELAY MODULE WIRING W/ FACP WIRING DIAGRAMS.
8. ALL ALARM MONITORING DEVICE DRY CONTACTS SHALL PROVIDE N.C. CONDITION TO 66 BLOCK.
9. NOT USED

PROJECT TITLE:
ESSEX COUNTY
LITTLE WHITEFACE SKI PATROL BUILDING
WILMINGTON, NEW YORK

DRAWING TITLE:
SPECIAL SYSTEMS PLAN

REVISIONS

NO.	DESCRIPTION	DATE (MM/DD/YYYY)
1	ALARM MONITORING	04/06/2012
2	GENERAL REVISIONS	05/04/2012
3	ADDENDUM #3 ITEMS	05/30/2012
4	GENERAL REVISIONS	06/15/2012

DRAWN BY:	CHECKED BY:	DATE:	PROJECT NO.:
J. LISTENADER		06/28/2011	3760

DRAWING NO.
E-103

Plot Date: 06/15/2012 Plot Time: 12:29 PM
File Path: P:\37\3760 Essex County - Little Whiteface Ski Renovation\F Drawings\2 Eng and Arch\E-Drawings\E-100s\3760 E-100s.dwg