

NORTH PACIFIC HALL

SOUTH FACADE RESTORATION

HISTORIC RESTORATION TEAM | Summer 2015

Sitka Fine Arts Camp | Sheldon Jackson Campus, Sitka, Alaska



Photography: Ethan Boote, Ellie Handler, Vivian Huang, Evie Soileau
Documentation Editor: Evie Soileau
Special thanks to Larry, Pete, Randy, and all other supporting community members

Large 'Grain' Bldg -



THE 2015 HISTORIC RESTORATION TEAM, INCLUDING RANDY BARTHOLOMEW, LARRY JACKSON, AND PETE WEILAND



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Virginia Tech '17
Geography



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Stanford '15
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Columbia '17
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Emory '16
Neuroscience/Biology



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"Just a Guy"



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Public Policy



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Psych/Theater/Dance



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Biomechanical Engineering



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Yale '18
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Chris Polansky
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Urban Studies



Andy Scott
Florida State '12
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Abigail Schneider
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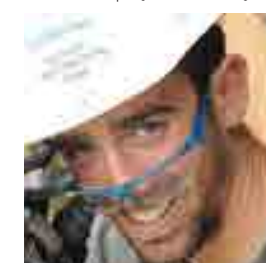
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Melina Torres
Yale '15
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Samir Wadhvani
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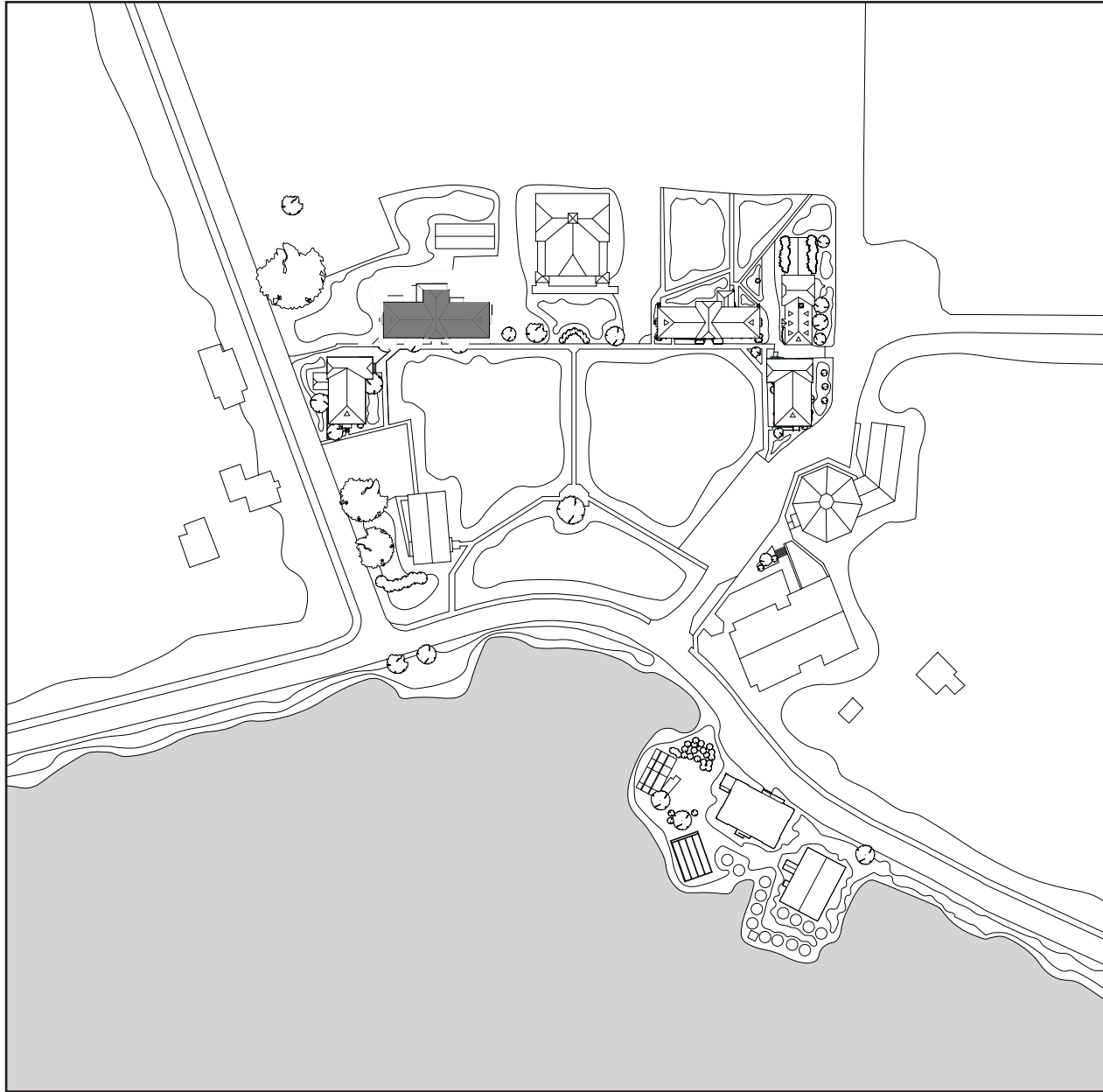


Andy Wilson
UNC-Chapel Hill '14
Environmental Science

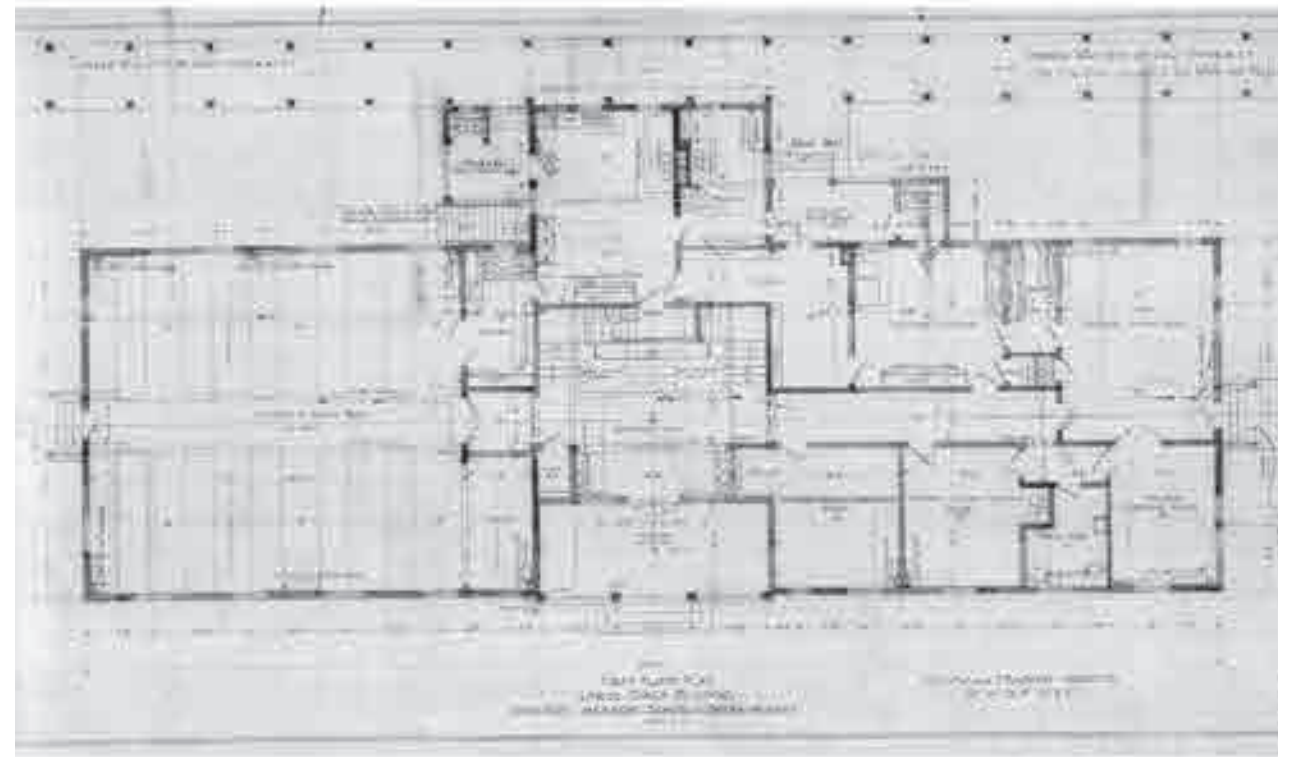
Historic Restoration Interns July-August 2015

North Pacific Hall

Sheldon Jackson Campus | Sitka, AK

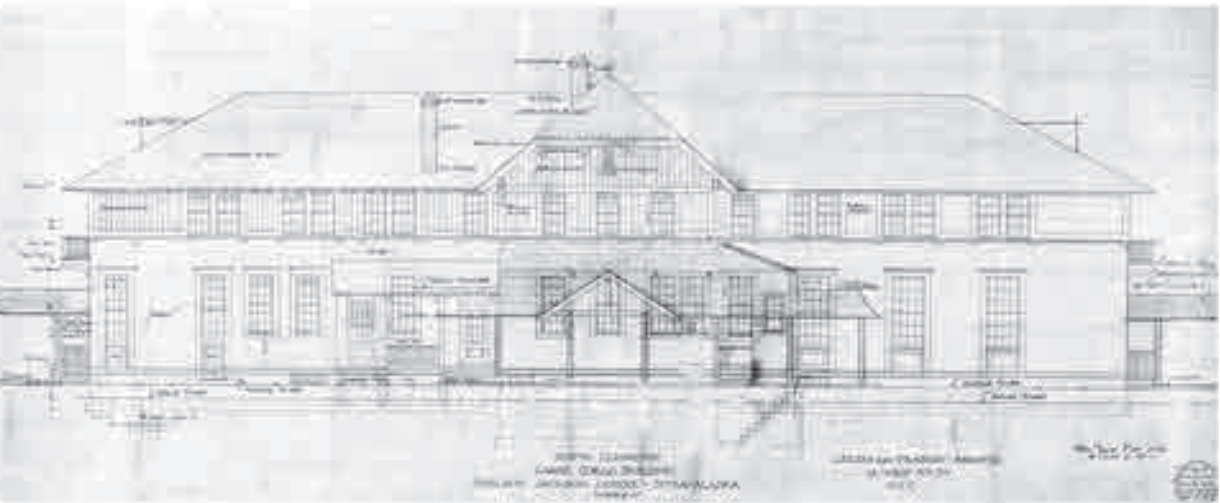


Site Plan, Sheldon Jackson Campus, Sitka, AK



Original North Pacific Hall first floor plan by Ludlow and Peabody Architects, NYC 1910





Original North Pacific Hall south facade elevation drawings by Ludlow and Peabody Architects, NYC 1910



SOUTH ELEVATION
SCALE: 3/32" = 1'-0"

HABS elevation by Jeremy Butler-Pinkham, 2004

Restoring North Pacific Hall's south facade to its original design by Ludlow and Peabody Architects:



On the left is the original first floor window design with casings extending to belly beam and panel below the sill. In red are the restored components.



Day 01 Tuesday, July 14, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SHINGLE REMOVAL BELOW WINDOW
PANEL REVEAL
BELLY BAND REMOVAL



PRE FACADE REMOVAL

Chris Polansky's Notes from the Field

After arriving from points southeast the day prior, the twenty-five-person historic restoration team on Tuesday began their work on the façade of North Pacific Hall. Following a primer on the history of the SJ campus from Roger Schmidt of the Sitka Fine Arts Camp and necessary safety demonstrations and personal protective equipment (PPE) discussion from crew leader Larry Jackson, Pete Weiland, construction foreman, briefed interns on the job ahead. Before work began in earnest, interns participated in a trust and communication team-building exercise on the SJ quad and toured the shop facility where fabrication would take place for use on the restored façade.

Work started at the building's foundation with the removal of the "belly band" - horizontal cladding - and its adjacent strips of molding and drip-cap. Following this removal, interns removed the cedar shingles below each first-floor window (labeled A - J, left to right, in chalk) to expose previously covered decorative paneling.

UNCOVERING PANELS BENEATH SHINGLES



ETHAN BOOTE MARKS THE WINDOWS



ETIENNE DESBOIS SHOWS HIS ENTHUSIASM FOR SIDING REMOVAL

Day 02 Wednesday, July 15, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

PANEL REMOVAL
CASING REMOVAL
WATERPROOFING
PANEL REPLACEMENT FABRICATION



FRONT ELEVATION WITH ORIGINAL SHINGLES AND WATERPROOFING REMOVED.



SHINGLE SIDING AND PANEL REMOVAL



UNCOVERING THE PANELS

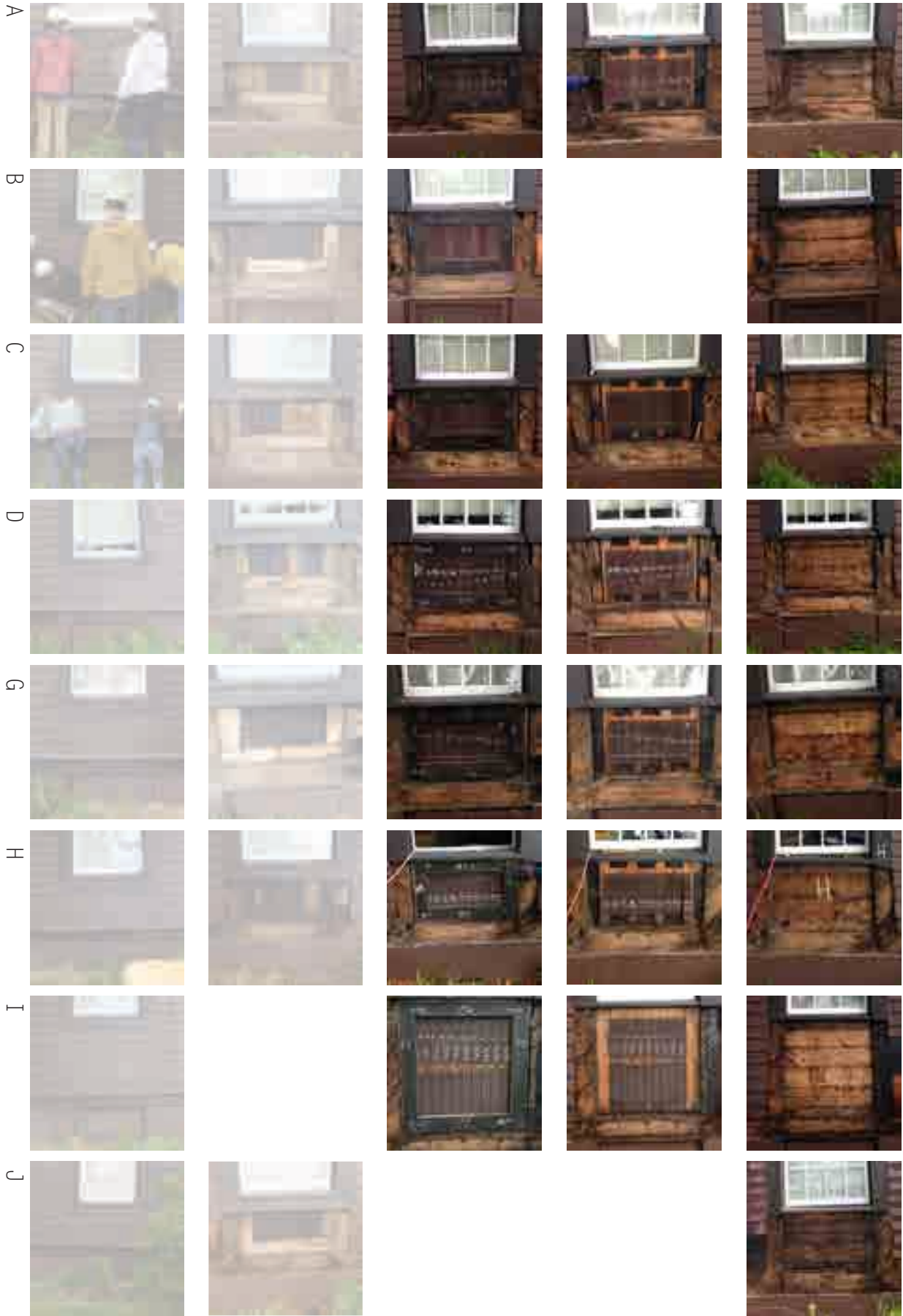
Chris Polansky's Notes from the Field

Work began on Wednesday with the careful removal of the paneling below each ground level window, with care to protect the tongue-and-groove pattern of the boards' edges for proper fit. Sheldon Jackson College stencils and handwritten equations were discovered on some of this wood. With the paneling removed, sheets of Vycor waterproofing was applied to the wood underneath.

Given the clear and dry weather, a chop shop was erected outside with a chop saw and table saw and fabrication began on replacements for the horizontal cladding and drip-cap for above the foundation.

Vertical casings from either side of the ground-level windows were removed (these were not original but replacements themselves) to allow for replacement as well as examination and repair of the sash counterweight mechanisms in each window frame. Two sections of scaffolding were erected to a height of one level to assist in this task.

ORIGINAL WOOD PANELS ARE REVEALED AFTER SHINGLE REMOVAL, THEN ARE TAKEN DOWN TO PREPARE FOR WATERPROOFING



Day 03 Thursday, July 16, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

*SHINGLE REMOVAL
PANEL WATERPROOFING
WINDOW SASH WEIGHT REPAIR
BELLY BAND FABRICATION AND INSTALLATION*



SIDING REMOVED AT FIRST LEVEL, WATERPROOFING TAR PAPER BEING STAPLED ON



WATERPROOFING INSTALLED AT FIRST LEVEL

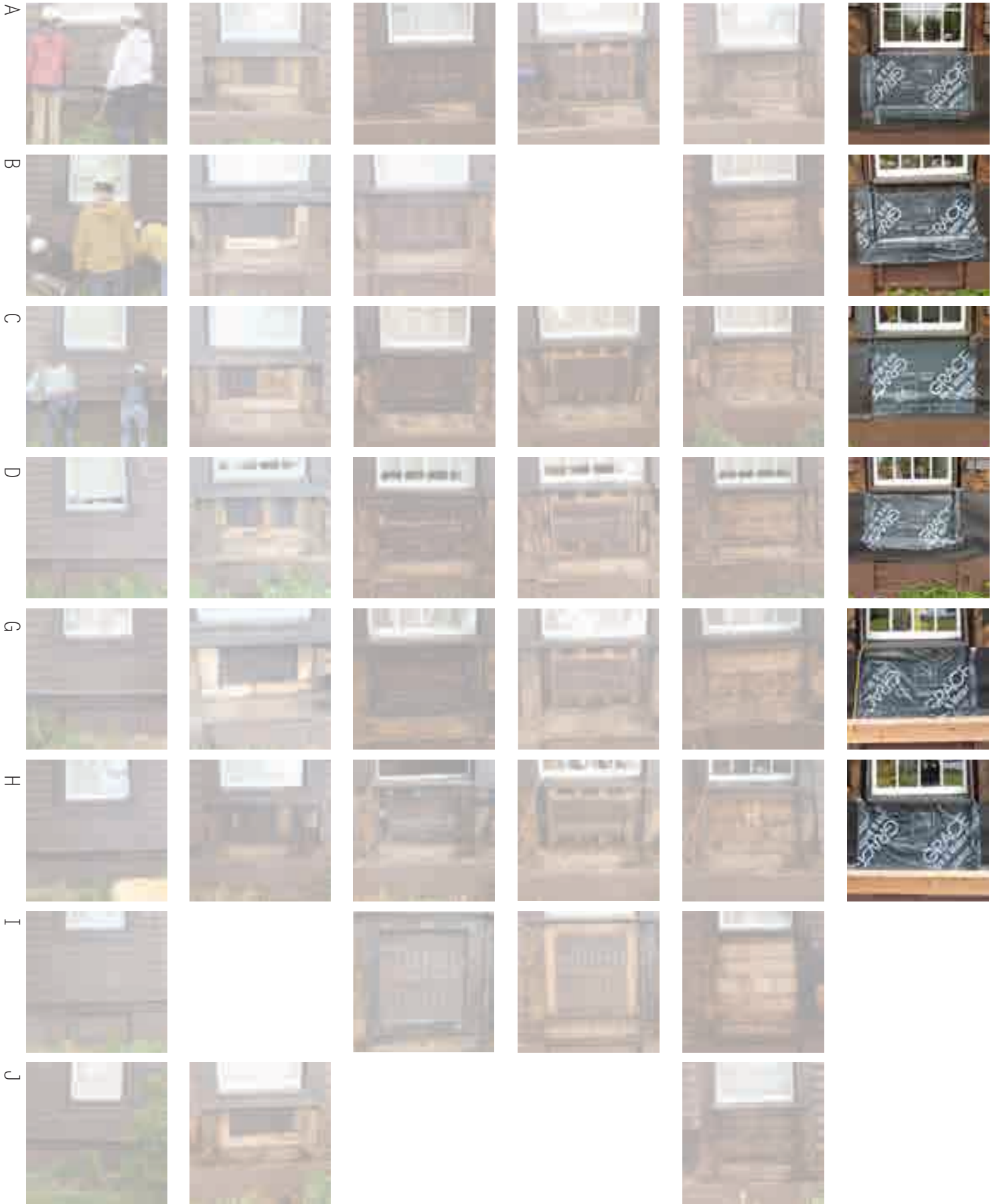


BELLY BAND INSTALLATION

CHRIS POLANSKY’S NOTES FROM THE FIELD

Work continued on Thursday to repair the window sash weights. The last of the vertical casings were removed, and replacements were fabricated to newly-taken measurements - the lengths are not uniform for each window, or even each side of each window. More shingles were removed from the building - some bore the stencil HAWLEY MILL CO. - PERFECTION - MILLTOWN, WASHINGTON. Cursory internet investigation yields no record of this mill beyond 1921. As interns began to remove shingles beyond ground level, a ladder safety demonstration was given by Larry Jackson.

FACADE IS REMOVED FOR VYCOR AND TAR PAPER WATERPROOFING. WINDOW CASINGS ARE REMOVED. BELLY BEAM IS FABRICATED AND IS BEGINNING TO BE NAILED INTO PLACE.



Day 03 Thursday continued

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SHINGLE REMOVAL
PANEL WATERPROOFING
WINDOW SASH WEIGHT REPAIR
BELLY BAND FABRICATION AND INSTALLATION



WINDOW SASH WEIGHT REPAIR: SASH WEIGHTS AND CASINGS REMOVED



WATERPROOFING: VYCOR WATERPROOFING BENEATH CASINGS



SHINGLE REMOVAL: SOME ORIGINAL CEDAR SHINGLES HAVE BEEN STAMPED WITH THE NAME OF THE MILL, HAWLEY MILL CO. - PERFECTION - MILTOWN, WASHINGTON



WATERPROOFING: RACHEL JONES AND ANNA PIOWAR APPLY TAR PAPER AND VYCOR TO THE PANEL AREA BENEATH THE WINDOW



HRT MEMBERS ETIENNE DESBOIS, SAMIR WADHWANI, AND MIKE MCDONNELL WORK WITH LARRY JACKSON AND PETE WEILAND TO INSTALL WINDOW CASINGS.

Day 04 Monday, July 20, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SCAFFOLDING ERECTION



SCAFFOLDING ERECTION BEGINS



PETE DEMONSTRATES HOW TO REASSEMBLE THE WOODEN PANELS

Chris Polansky's Notes from the Field

The majority of work on the team's first working Monday was focused on erecting a multi-level scaffolding across the entire south façade of North Pacific Hall. With up to twenty-eight individuals on the worksite at any time, it was necessary to be meticulous in construction to ensure safe conditions. Each scaffolding frame was first joined by two braces running parallel to the façade. Next, adjustable feet were put where needed to achieve a uniformly level platform surface. Two levels of two-by-twelve and two-by-six boards were laid horizontally to serve as standing surfaces on the first level of scaffolding at a height of about six feet; guardrails were installed and kickboards were nailed in to provide fall protection, both for interns working on the scaffolding and their equipment. A ladder was secured to the east end of the scaffolding to provide access, to avoid the necessity of climbing the scaffolding frame itself, which tends to be slippery and treacherous.



SCAFFOLDING ASSEMBLY



ANNA PIWOWAR AND NATHAN HENRY CUT HOLES INTO THE PANEL FRAMES TO PREPARE FOR ASSEMBLY

Day 05 Tuesday, July 21, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

PANEL REMOVAL
WATERPROOFING
PANEL REASSEMBLY



SHINGLES AND CASINGS REMOVED, TAR PAPER CUT AND STAPLED INTO PLACE UP TO MOLDINGS



CLOCKWISE FROM TOP LEFT: PANEL REASSEMBLY ONSITE; HOLES ARE CUT INTO THE FRAMES FOR BISCUIT AND GLUE ASSEMBLY; PANELS ARE PIN NAILED TO THE FRAME; PANELS ARE FLIPPED AND CLAMPED IN PLACE DURING DRYING



CHALK MARKERS ON THE WINDOW HEADERS TO NOTATE SHINGLE PLACEMENT BEFORE REMOVAL



SHINGLE REMOVAL CONTINUATION



"SHELDON JACKSON SCHOOL / SITKA ALASKA"
STAMPED BEHIND ORIGINAL WOODEN TONGUE
AND GROOVE PANELING

Chris Polansky's Notes from the Field

Work on Tuesday concerned the reassembly of the tongue-and-groove paneling for below each window, followed by its reinstallation atop the Vycor sheeting. Shingles were removed up to about the level of the header of each first floor window, and tar paper was applied over the exposed original wood. Some of the new casings were fastened with finishing nails.

Day 06 Wednesday, July 22, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

BELOW-WINDOW PANEL INSTALLATION
SHINGLE INSTALLATION



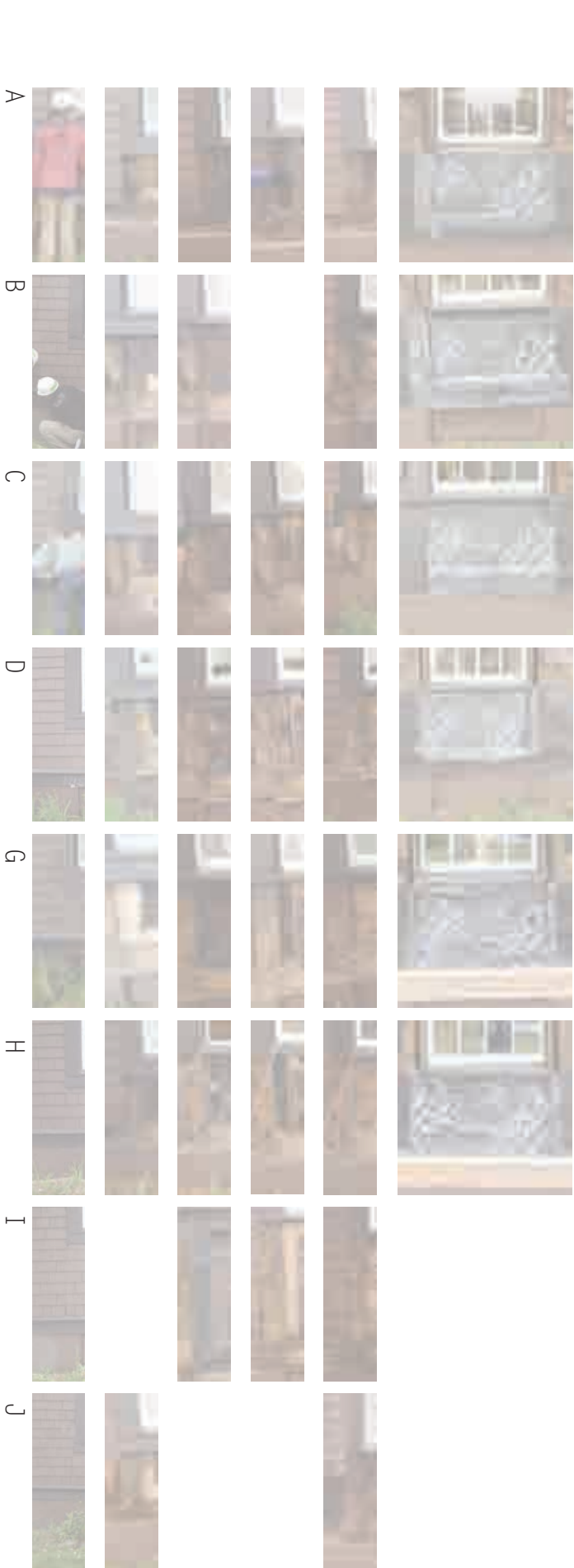
CEDAR SHINGLES



PANEL SCREWS



REMOVED WINDOW HINGES



PANELS
SCREWED INTO
PLACE

*Chris Polansky's Notes
from the Field*

The last of the casings and panels were replaced, and then the team divided into small groups of three to each begin applying shingles in earnest. First, original shingles were nailed, backwards, along the drip-cap. Atop this layer, new red cedar shingles, beveled to eighteen degrees to fit the angle of the drip-cap, were affixed. Using a story-pole and a straight length of board, layers of new shingles were nailed in across the entire façade of North Pacific Hall with a reveal of exactly six inches. Pete Weiland demonstrated the proper practice for the façade's corners - using a jigsaw, shingles are to be cut to match the adjacent corner's shingle. For the following level of shingle, the overlap should come from the alternate side of the building; the effect is of alternating each level, with the south façade's shingle on top on one layer, the west/east façade's shingle on top for the next layer, and so on.



Day 07 Thursday, July 23, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

1ST FL WINDOW CASING INSTALLATION
SHINGLE INSTALLATION
CORNER CONSTRUCTION



CORNER WEAVING



SHINGLE INSTALLATION

CASINGS
INSTALLED



Day 08 Monday, July 27, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SHINGLE INSTALLATION
CORNER CONSTRUCTION
PAINTING BEGINS
REPLACING AND INSTALLING HEAD
PIECES & COVER OVER WINDOWS



SHINGLE INSTALLATION REACHES TO TOP OF SECOND STORY WINDOW SILLS

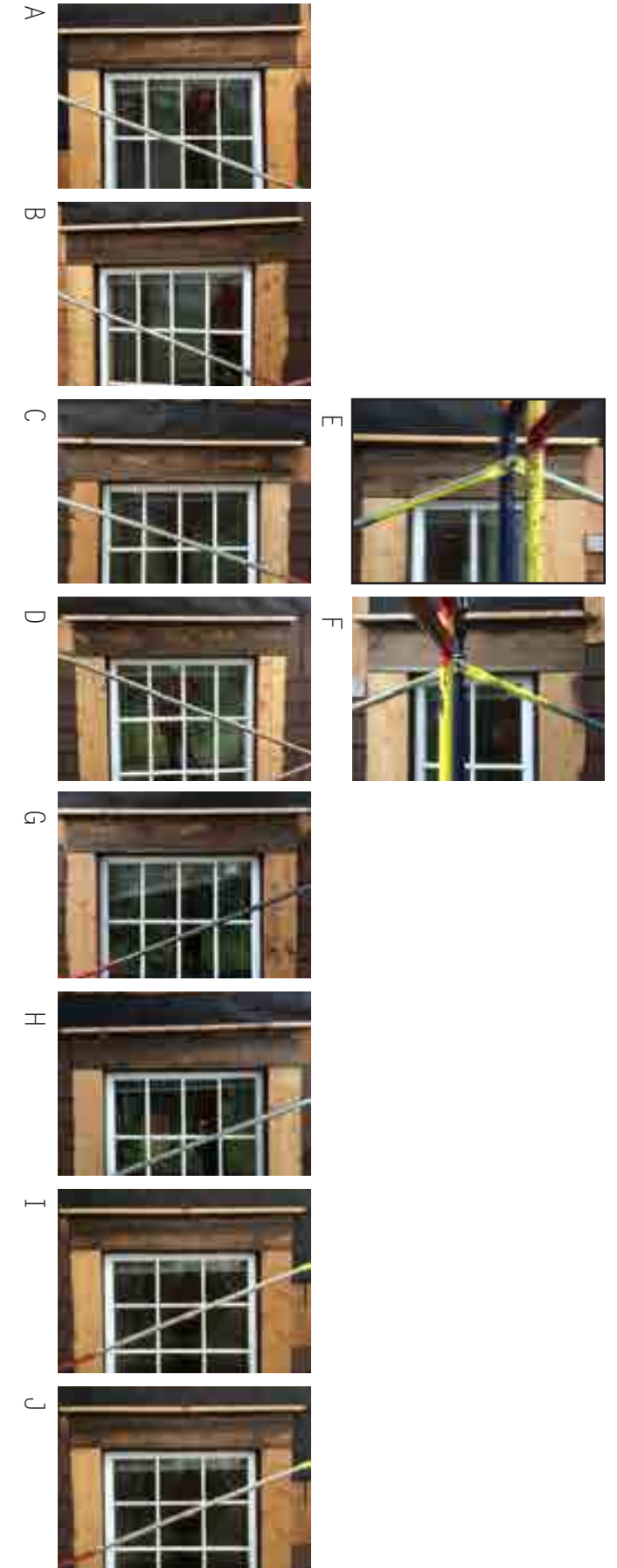


PAINTING SHINGLES

PAINTING
BEGINS ON THE
PANELS



WINDOW HEADERS ARE
REFABRICATED AND
NAILED INTO PLACE



Day 09 Tuesday, July 28, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SECOND LAYER SCAFFOLDING ERECTION
PAINTING
CORNER CONSTRUCTION
UPPER LEVEL SHINGLE REMOVAL



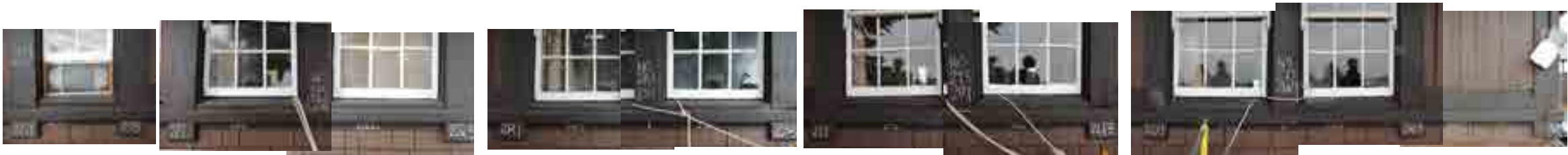
SHINGLE REMOVAL ABOVE PORCH



SHIMS AND SHORTENED SHINGLES



SECOND STORY
WINDOWS, LABELLED,
PRE SHINGLE
REMOVAL



Day 10 Wednesday, July 29, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

*LABELLED SECOND STORY WINDOWS
REMOVED WINDOW TRIM BELOW SILL ON 2ND STORY
SHINGLE REMOVAL TO BELOW SILL
WATERPROOFING*



REPLACING WOOD TRIM



ROT DAMAGE ON WOOD TRIM



SHINGLES CUT TO FIT AROUND 2ST STORY WINDOW AND DRIP CAP. WATERPROOF TAR PAPER BELOW.



STRING GUIDE LINES ABOVE THE WINDOW SILL UNIFY THE SHINGLE LINES ACROSS THE ENTIRE FACADE



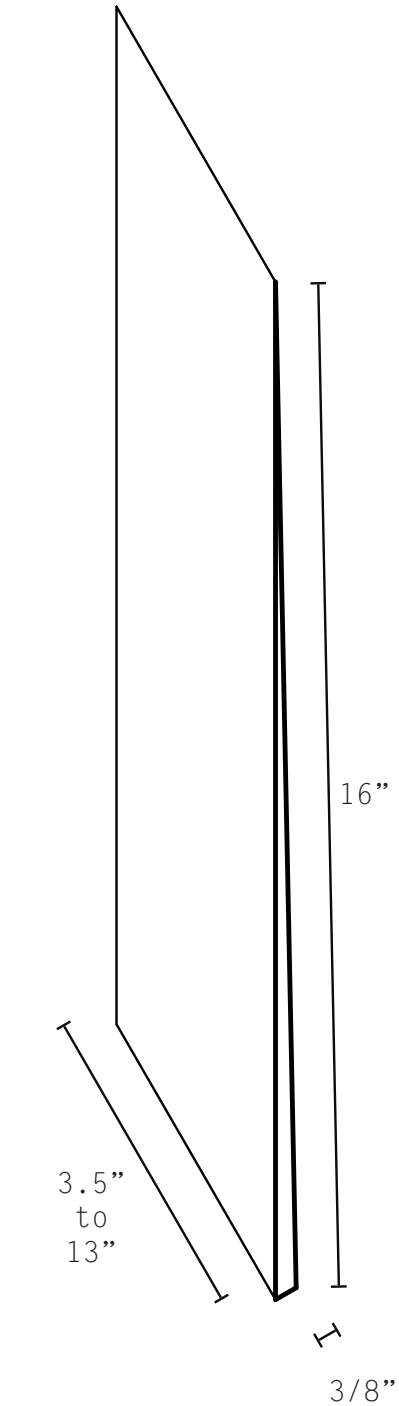
SECOND STORY WINDOWS, SHINGLES REMOVED AND TAR PAPER STAPLED ON



Day 11 Thursday, July 30, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

PAINTING
SCRAPING
CORNER CONSTRUCTION
SHINGLE INSTALLATION



TYPICAL CEDAR SHINGLE



SCRAPING EXISTING PAINT TO PREPARE FOR NEW COAT



BEGINNING SHINGLE INSTALLATION ABOVE PORCH

Chris Polansky's Notes from the Shop

The third week of work saw the shop with a heavy workload, as multiple types of trim, coving, and molding were required to be fabricated in the style of the original 1911 construction. Led by Randy Bartholomew and Heidi Peterson, the jobs, though not without their frustrations, were seen through expertly. Some molding simply required the routing of dowels; trim, on the other hand, required router, table saw, chop saw, wood glue, and nails. Trickiest of all was the window coving, which saw the shop team wrestling with table saw blade height, expanded wood and misaligned jigs. Eventually, though, the shop was able to produce the required pieces, with some to spare. See their work in the small details of the new façade.

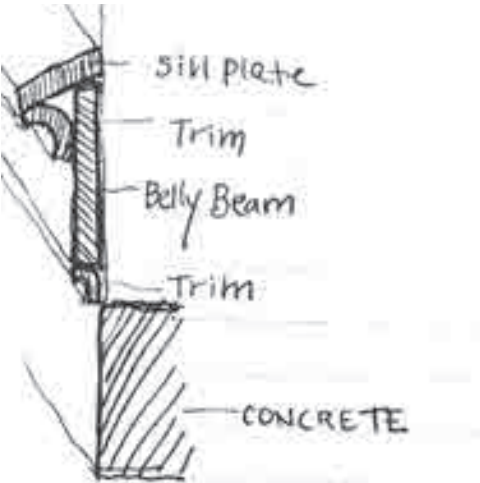


HEIDI PETERSON WORKS ON MOLDING IN THE WOODSHOP

Day 12 Monday, August 3, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

2ND FL CASING REMOVAL & WATERPROOFING
PAINTING
SHINGLE INSTALLATION
PANEL & BELLY BEAM TRIM INSTALLATION



DAMAGED CASINGS
REMOVED TO REVEAL
6X1 BOARDS, 61”
LENGTH, WHICH WERE
THEN LABELLED



6X1S REMOVED TO
WATERPROOF AROUND
WINDOWS



WATERPROOFING
INSTALLED, 6X1S
REINSTALLED WITH
GALVANIZED NAILS,
TURNED AROUND TO
MINIMIZE DAMAGE
EXPOSURE



CASINGS FABRICATED
AND INSTALLED ABOVE
THE SILL WITH
GALVANIZED FINISH
NAILS



BELLY BEAM AND SILL PLATE TRIM
DETAILS

PAINTING
BEGINS ON THE
PANELS

PANEL TRIM,
UNPAINTED

PAINTED

A					
B					
C					
D					
G					
H					
I					
J					

Chris Polansky's
Notes from the
Field

Shingling was completed to the top of the shingled façade of North Pacific today. Following their fabrication in the shop, the decorative panels were shot on with a nail gun below each first floor window. The casings on the second story windows were removed and either refabricated or reattached. A first coat of body paint was slowly but steadily applied from the bottom up to the newly attached shingles.

Day 13 Tuesday, August 4, 2015

North Pacific Hall Front Facade Restoration 2ND FLOOR CASINGS, BLOCKS, TRIM INSTALLED
Sheldon Jackson Campus | Sitka, AK
SHINGLING
PANEL & BELLY BEAM TRIM INSTALLATION
PAINTING



ORIGINAL BLOCKS WERE TRIMMED TO MATCH THE DIMENSIONS OF THE CASINGS ABOVE



A NEWLY FABRICATED PIECE OF TRIM MEETS AN ORIGINAL THAT DID NOT REQUIRE REPLACEMENT



HEIDI PETERSON, TRIM EXTRAORDINAIRE



ANDY WILSON WORKS ON SHINGLE INSTALLATION NEAR THE CORNERS

Chris Polansky's Notes from the Field

Today was the first genuinely hot day faced by the HRT. Under the tarping atop the scaffolding, installed to protect the team and the façade from the ever-present Sitka rain, temperatures climbed higher and higher on a sunny day with a temperature in the 70s. With the addition of Tyvek suits, at least one intern became dizzy and unsteady on the scaffolding; we were given a presentation on the signs and symptoms of heat stroke and stress in order to continue work safely.

Work itself concerned painting the newly applied window trim in black and epoxying cracks and holes.



SECOND STORY WINDOWS, SHINGLES FULLY INTACT TO SILL

CAULKING SMOOTHS OUT ORIGINAL CASINGS THAT DID NOT REQUIRE REPLACEMENT

BELOW-SILL BLOCKS TRIMMED TO MATCH CASINGS WIDTH

NEWLY FABRICATED CASINGS



Day 14 Wednesday, August 5, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

SHINGLING COMPLETION, ESPECIALLY CORNERS
CAULKING AND FINISHING
PAINTING, ESPECIALLY DETAILS/TRIM
CLEAN UP



(DAY 13) A NEWLY FABRICATED PIECE OF TRIM MEETS AN ORIGINAL THAT DID NOT REQUIRE REPLACEMENT



FRESHLY PAINTED, WITH NEWLY FABRICATED BLOCKS BENEATH, THE OLD AND NEW TRIM ARE SEAMLESSLY CONSTRUCTED TOGETHER



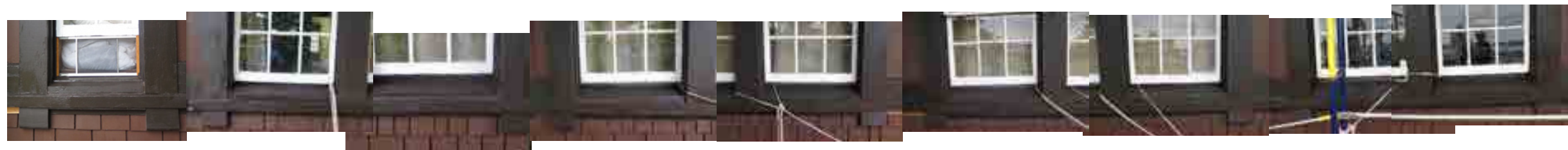
EPOXY IS APPLIED TO ROT-DAMAGED ORIGINAL WOOD PIECES



NEWLY FABRICATED TRIM



SECOND STORY WINDOWS, PAINTED AND COMPLETE



Chris Polansky's Notes from the Field

On the last full day of work - the last day will necessarily be largely devoted to clean-up and disassembly - the team attacked the last of the required jobs. Casings, sills, and trim were sanded, caulked, and epoxied; first layers of body paint were applied where needed and a second layer was applied where possible. The teams on the building's corners continued bringing the shingles up to the top; cornering is a meticulous job made harder by the lack of scaffolding on North Pacific's east and west façades.

Day 15 Thursday, August 6, 2015

North Pacific Hall Front Facade Restoration
Sheldon Jackson Campus | Sitka, AK

PAINTING
CLEAN UP
SCAFFOLDING DECONSTRUCTION



NEWLY FABRICATED BLOCKS
BENEATH CASINGS



NEW SHINGLES MEET PORCH
MOLDING



THE ORIGINAL EAST AND WEST
CORNER BLOCKS HAVE CIR-
CULAR CUT OUTS FOR WATER
DRAINAGE PIPES WHICH NO
LONGER EXIST. THE BLOCKS,
HOWEVER, REMAIN.



BEFORE



AFTER



Below-window
panels are un-
covered by more
recent shingles
and restored
All 1st story
casings are re-
placed

Missing blocks
below 2nd story
window casings
are fabricated

New shingles
on south fa-
cade are weaved
with originals
on east & west
corners



