

GROUT SOLID
BELOW BRG PL

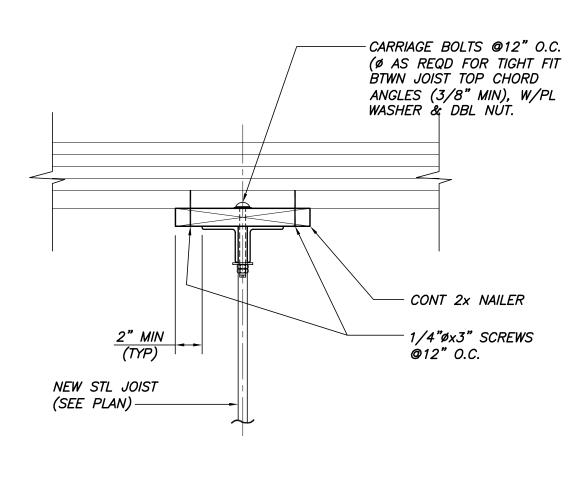
EXIST CMU

NEW JOIST
(SEE PLAN)

BRG PL 1/2x6x0'-9"
W/(2)- 1/2'0x4" LG
HEADED STUDS

DETAIL
3/4"=1'-0"

S3.4



53.4

SECTION

1 1/2"=1'-0"

NEW SILLS HALL ROOF JOIST LOADING DIAGRAM

NOTES:

1. JOIST SUPPLIER SHALL DESIGN JOISTS FOR LOADS AS FOLLOWS: 50 PLF D.L. 425 PLF S.L.

2. JOIST DESIGN SHALL CONSIDER IMPACTS OF EXIST BRIDGING. 3. SUBMIT SHOP DWGS AND CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MAINE FOR APPROVAL.

## PANEL WIDTH NAIL PANEL TO SEE WOOD STUD SHEARWALL NOTE 7--2ND FLOOR FRAMING -SIMPSON HOLDOWN + ANCHOR (SEE PLAN AND SHEARWALL SCHEDULE) PANEL EDGE NAILING SEE SHEARWALL SCHEDULE— 2x BLKG @ PANEL EDGES - END POST (SEE PLAN) -FIELD NAILING -SIMPSON HOLDOWN ANCHOR (SEE SHEARWALL SCHEDULE) -SDS SCREWS 9" (MAX) 1/2"ø Á307 ANCHOR BOLTS SPACED HOLDOWN ANCHORAGE TO /24" O.C. AT SHORTWALLS & 48" O.C. EXIST RUBBLE WALL (SEE EXIST FDN— AT LONG WALLS. EPOXY INTO EXIST DETAILS ON DWG S3.6) /STONE W/8" EMBED (MIN) U.N.O.

## TYPICAL WOOD STUD SHEARWALL ELEVATION 1/2"=1'-0"

## WOOD STUD SHEARWALL NOTES

- 1. PLYWOOD SHEAR PANELS SHALL BE MINIMUM 1/2" APA RATED SHEATHING PANELS APPLIED TO INTERIOR SIDE OF EXISTING STUD WALL.
- 2. PLYWOOD TO BE PLACED WITH FACE GRAIN PERPENDICULAR TO STUDS.
- 3. USE 4'-0"x8'-0" PLYWOOD SHEETS WHERE POSSIBLE.
- 4. MINIMUM WIDTH OF PLYWOOD SHEET IS 2'-0"

EDGES. BLOCK ALL PANEL EDGES.

- 5. SHEARWALL ELEVATION IS INTENDED TO DETAIL SHEARWALL ELEMENTS ONLY. FRAMING SHOWN MAY NOT REFLECT ALL BUILDING COMPONENTS AT THE SHEARWALL AREA.
- 6. COORDINATE SHEARWALL DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- 7. HOLES ARE ALLOWED IN PLYWOOD SHEARWALLS AS SHOWN ON THE DRAWINGS (SEE ARCHITECTURAL DRAWINGS.)
- 8. PROVIDE "2x" BLOCKING (SEE ELEVATION) AS NAILING SURFACE AT UNSUPPORTED PANEL
- 9. SEE SHEARWALL SCHEDULE FOR EDGE AND INTERMEDIATE (FIELD) NAILING PATTERN.
- 10. 3/8" MINIMUM EDGE DISTANCE AT ANY NAILED CONNECTION.
- 11. SHEARWALL HOLDOWNS SHALL BE AS SPECIFIED IN THE SHEARWALL SCHEDULE AND MANUFACTURED BY SIMPSON STRONG—TIE COMPANY, INC. THREADED ROD SHALL BE A307 (MIN) OF SIZE AS SPECIFIED IN SHEARWALL SCHEDULE.
- 12. SISTER 2x6 STUDS TO EXISTING WALL STUDS FOR END POSTS IN EXISTING WALLS.
- 13. AT EXISTING EXTERIOR WALLS, NEW 1/2" PLYWOOD SHALL BE INSTALLED ON THE INSIDE

SHEARWALL SCHEDULE						
MARK	SHEATHING	SHEATHING EDGE NAILING	SHEATHING FIELD NAILING	HOLDOWN/STRAP	HOLDOWN ANCHOR BOLT	MINIMUM END POST THICKNESS
S.W1	1/2" PLYWOOD	8d @ 6" O.C.	8d @ 10" O.C.	DTT2Z HOLDOWN	1/2"ø THRD ROD	4 1/2"
S.W2	1/2" PLYWOOD	8d @ 4" O.C.	8d @ 8" O.C.	DTT2Z HOLDOWN	1/2"ø THRD ROD	4 1/2"
S.W3	1/2" PLYWOOD	8d @ 3" O.C.	8d @ 6" O.C.	HDU8-SDS2.5	7/8"ø THRD ROD	4 1/2" (PSL)

## WAYNFLETE LOWER SCHOOL ADDITION & RENOVATIONS

scott simons architects

BECKER

STRUCTURAL ENGINEERS

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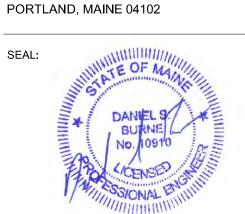
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designed for human potential

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WAYNFLETE SCHOOL 360 SPRING STREET



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REVISION:

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FRAMING SECTIONS

**S3.4** 

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& DETAILS