

AIRLINE LOUVERS

ROUND HEAD & SILL DETAIL

Vermont Agency of Transportation

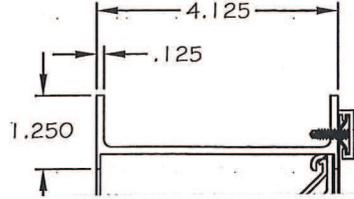
RECEIVED

ON: February 4, 2014

and Checked for

CONFORMANCE

BY: Jennifer Fitch DATE: 02/10/2014



SUBMITTAL REVIEW

- Reviewed and approved but only for conformance to the Construction Contract Documents.
- Revise and Resubmit

Corrections or comments made during this review do not relieve the Contractor or his Designer from compliance with professional requirements or for responsibility for the adequacy of the submittal information. This check is only for review of general conformance with industry standards and general compliance with the information given in the Contract Documents. VHB has not conducted a detailed review of the submittal and has not performed calculations or assessed the adequacy of loads, design criteria, quantities, dimensions, etc. Approval of the submittal does not constitute VHB's approval of any construction means, methods or techniques. These remain the responsibility of the Contractor.

VHB

Vanasse Hangen Brustlin, Inc.

Job Number: 57438

Reviewed By: GHE

Date: 2/10/14

ITEM	QTY	MC
		STYLE

AIRLINE
LOUVERS

A NYSTROM BUILDING PRODUCTS COMPANY

Toll-Free: 800-547-2635

Fax: 800-317-8770

Internet: www.airlinelouvers.com

e-mail: info@airlinelouvers.com

PROJECT:

CONTRACTOR:

ARCHITECT:

DRAWN BY:
CMR

REV. DATE:
05/01/99

QUANTITY:

DATE:

TITLE:
ROUND HEAD_SILL

AIRLINE LOUVERS

ROUND HEAD & SILL DETAIL

Vermont Agency of Transportation

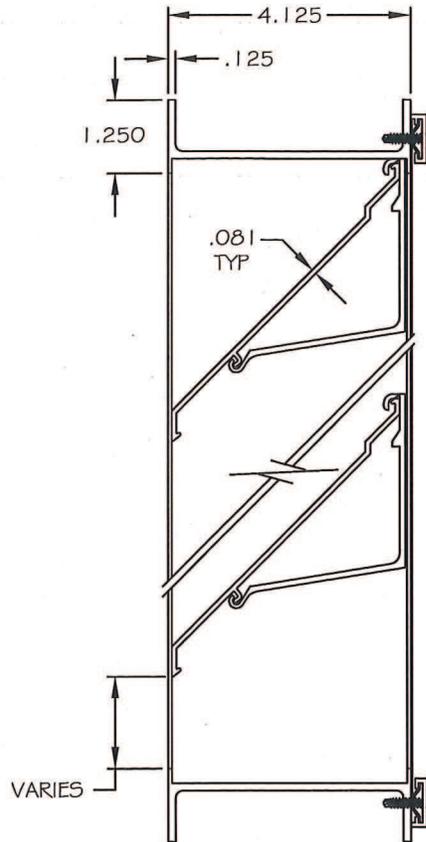
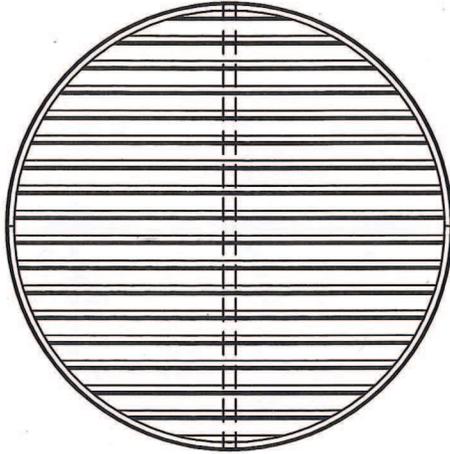
RECEIVED

ON: February 4, 2014

and Checked for

CONFORMANCE

BY: Jennifer Fitch DATE: 02/10/2014



HEAD & SILL DETAIL

Incomplete

ITEM	QTY	MODEL		WALL OPENING	OPTIONAL ACCESSORIES					IDENTIFICATION/LOCATION
		STYLE	FLANGE	DIAMETER	EXTERIOR MOUNTED SCREEN	EXTENDED SILL	U-FRAMED SCREENS	HIDDEN MULLION		
								VERT	HORZ	

AIRLINE
LOUVERS

A NYSTROM BUILDING PRODUCTS COMPANY

Toll-Free: 800-547-2635

Fax: 800-317-8770

Internet: www.airlinelouvers.com

e-mail: info@airlinelouvers.com

PROJECT: _____

CONTRACTOR: _____

ARCHITECT: _____

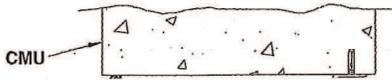
DRAWN BY: CMR	REV. DATE: 05/01/99	QUANTITY:	DATE:	TITLE: ROUND HEAD_SILL
------------------	------------------------	-----------	-------	---------------------------

--ALL ANCHORS INTO SURROUNDING
CONDITIONS ARE BY OTHERS.
--EXTENDED SILLS ARE AVAILABLE AT AN
EXTRA COST.

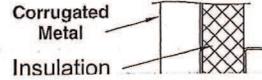
RECEIVED
ON: February 4, 2014
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 02/10/2014

TYPICAL INSTALLATION DETAILS

**Masonry
Wall**



**Metal Panel
Wall**



SUBMITTAL REVIEW

- Reviewed and approved but only for conformance to the Construction Contract Documents.
- Revise and Resubmit

Corrections or comments made during this review do not relieve the Contractor or his Designer from compliance with professional requirements or for responsibility for the adequacy of the submittal information. This check is only for review of general conformance with industry standards and general compliance with the information given in the Contract Documents. VHB has not conducted a detailed review of the submittal and has not performed calculations or assessed the adequacy of loads, design criteria, quantities, dimensions, etc. Approval of the submittal does not constitute VHB's approval of any construction means, methods or techniques. These remain the responsibility of the Contractor.

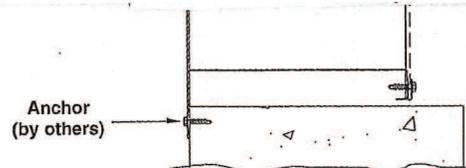
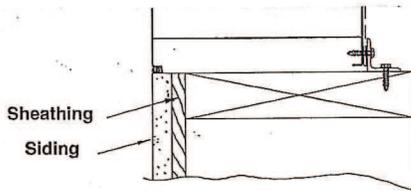
VHB

Vanasse Hangen Brustlin, Inc.

Job Number: 57438

Reviewed By: GME

Date: 2/10/14



PROJECT:	LOCATION:
ARCH./ENGR.:	CONTRACTOR:
REPRESENTATIVE:	DATE:

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.

M I S C E L L A N E O U S

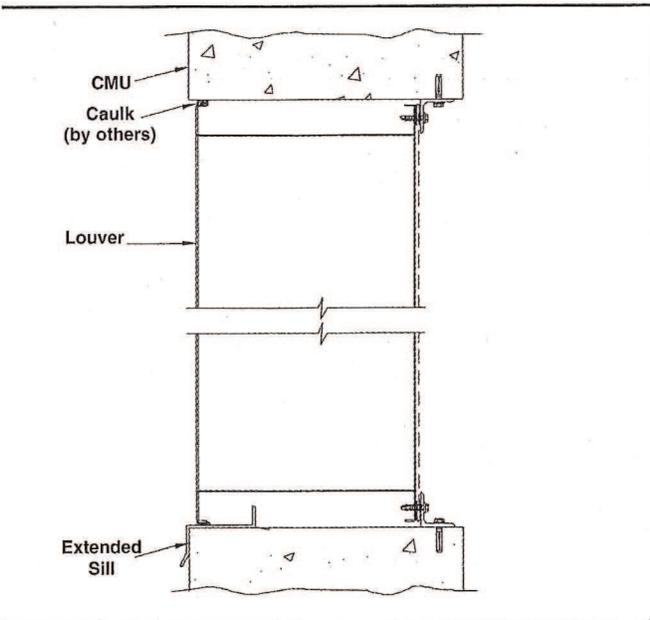
--ALL ANCHORS INTO SURROUNDING
CONDITIONS ARE BY OTHERS.
--EXTENDED SILLS ARE AVAILABLE AT AN
EXTRA COST.

Vermont Agency of Transportation
RECEIVED
ON: February 4, 2014
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 02/10/2014

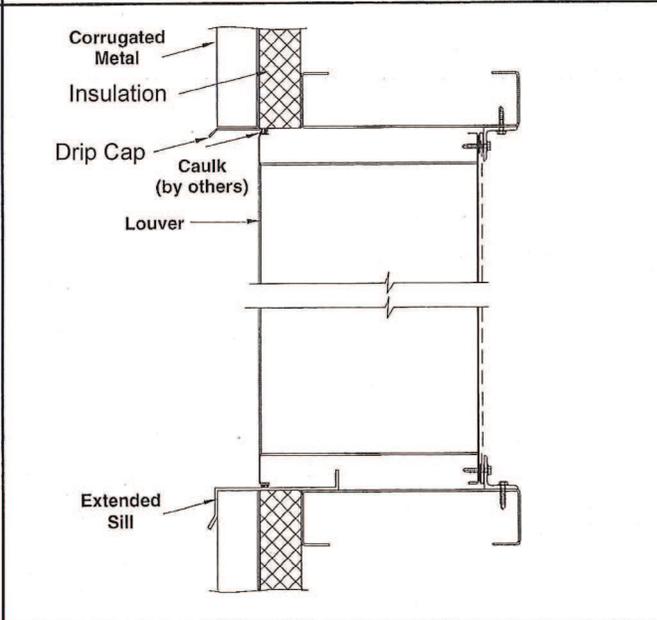
TYPICAL INSTALLATION DETAILS

M I S C E L L A N E O U S

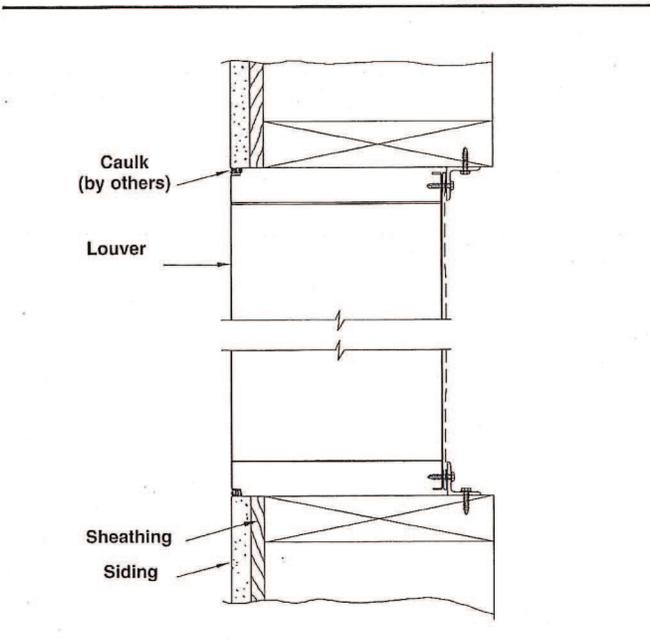
**Masonry
Wall**



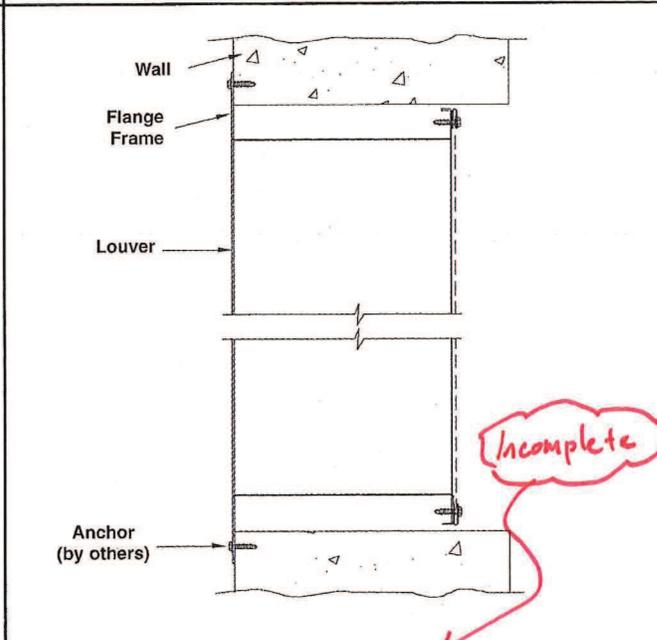
**Metal Panel
Wall**



**Wood
Installation**



**Flange
Mount**



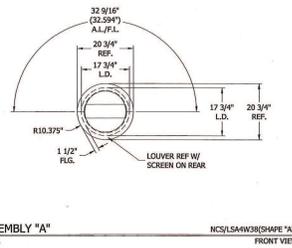
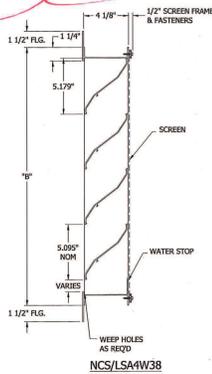
PROJECT:	LOCATION:
ARCH./ENGR.:	CONTRACTOR:
REPRESENTATIVE:	DATE:

ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.

LOUVER SCHEDULE									
MODEL	ASSY	QTY	ORDERED DIMS			LOUVER DIMENSIONS		SHIP SECTIONS	COLOR
			A(WIDTH)	B(HEIGHT)	DEDUCT	WIDTH	HEIGHT		
NCS/LSA4W38	A	5	18	18	1/2"	17 3/4"	17 3/4"	1	N/A

If aluminum frame is used, a gasket is required at the interface with concrete to prevent the aluminum from coming in contact with concrete.

FRAME	6063-T5 extruded aluminum with .080" nominal wall thickness. Formable frame. Flange frame, same mat as above with .125" nominal wall thickness.
BLADES	6063-T5 extruded aluminum with .080" nominal wall thickness. Blades are positioned at 37.5° angle.
SCREEN	40" x 40" expanded flattened aluminum bird screen. 1/2" mesh x .063" aluminum bird screen. 18-16 mesh alum insect screen.
FINISH	None. Kynar (opt). Baked enamel (modified fluoropolymer, 50% Kynar, opt). Powdercoat (opt). Color Anodize (opt). Clear Anodize (opt). Color: See Schedule.
ACCESSORIES (opt)	Extended sill. Clip angles. Blankoff panel.



ASSEMBLY "A"
T.I.S.
NCS/LSA4W38(SHAPE "A")
FRONT VIEW

Vermont Agency of Transportation

RECEIVED

ON: **February 4, 2014**

and Checked for

CONFORMANCE

BY: **Jennifer Fitch** DATE: **02/10/2014**

SUBMITTAL

NYSTROM
Right to site.
1000 State Avenue, Suite 100
Winochee, VT 05690
Phone: 802-253-1111
Fax: 802-253-1112

T. BUCK CONSTR. INC.

NYSTROM, INC.

ON: 208235

P.O. TBUCKCONSTR

SUBMITTAL REVIEW

- Reviewed and approved but only for conformance to the Construction Contract Documents.
- Revise and Resubmit**

Corrections or comments made during this review do not relieve the Contractor or his Designer from compliance with professional requirements or for responsibility for the adequacy of the submittal information. This check is only for review of general conformance with industry standards and general compliance with the information given in the Contract Documents. VHB has not conducted a detailed review of the submittal and has not performed calculations or assessed the adequacy of loads, design criteria, quantities, dimensions, etc. Approval of the submittal does not constitute VHB's approval of any construction means, methods or techniques. These remain the responsibility of the Contractor.

VHB

Vanasse Hangen Brustlin, Inc.

Job Number: 57438
Reviewed By: GME
Date: 2/10/14

NOTES

- 1) DIMENSIONS SHOWN ARE ACTUAL LOUVER SIZE.
- 2) LOUVER DESIGN INCORPORATES STRUCTURAL SUPPORTS ATTACHED TO REAR OF LOUVER TO WITHSTAND A WINDLOAD OF 20 PSF.
- 3) REF. SCHEDULE, ASSY. OR PLANVIEW FOR SIZE, QTY, & LOCATION. PERIMETER SUBSTRATE AND ATTACHMENT DESIGN IS NIC.
- 4) <> INDICATES TAG LETTER- ASSY # = SHIP SECTION.
- 5) SHOP DRAWINGS ARE PREPARED BASED ON INTERPRETATION OF PURCHASER'S ORDER AND/OR ARCHITECT/ENGINEER'S DRAWINGS AND SPECIFICATIONS. IT IS IMPORTANT THAT THE PURCHASER AND THE INSTALLATION CONTRACTOR REVIEW THESE DRAWINGS DIMENSIONALLY AND FUNCTIONALLY WITH RESPECT TO THE ARCHITECT'S INTENT AND VERIFY SIZE, CONFIGURATION AND FIELD CONDITIONS PRIOR TO FABRICATION.
- 6) ABBREVIATIONS
B.O.D. = BLANK-OFF DIMENSION
F.L. = FRAME LENGTH
H.H.B.S. = HORIZ. HIDDEN BLADE SUPPORT
H.V.B.S. = HORIZ. VENT. BLADE SUPPORT
L.D. = LOUVER DIMENSION
L.D.D. = LOUVER DECK DIMENSION
N.I.C. = NOT IN CONTRACT
O.D. = OVERALL DIMENSION
O.C. = ON CENTER
OPP. = OPPOSITE
R.L.D. = REMOVABLE LOUVER DIMENSION
R.O. = ROUND ORDERING
S.M. = SIMILAR
S.D. = SUB-FRAME DIMENSION
S.S. = SHIP SECTION
S.S.D. = SHIP SECTION DIMENSION
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
- 7) REQUEST FOR REVISIONS AFTER DRAWINGS ARE RELEASED FOR FABRICATION ARE SUBJECT TO A HANDLING CHARGE PLUS COST OF ANY MATERIALS ORDERED AND/OR FABRICATED RELATIVE TO THIS ORDER.
- 8) SEALING REQUIREMENTS AROUND LOUVERS, BETWEEN ADJOINING SHIP SECTIONS, SILLS, FRAMES AND WATERSTOPS FOR ARCHITECTURAL STYLE CONTINUOUS BLADE LOUVERS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.
- 9) CONTINUOUS ARCHITECTURAL LOUVERED SCREEN BLADES MAY SHIFT DURING SHIPPING. ALIGNMENT OF BLADES AT SHIP SECTIONS IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. REMOVE AND DISCARD SIDEPLATES AND FASTENERS PRIOR TO ASSEMBLY (NIC).
- 10) NOTCHING OF HVMS AROUND STRUCTURE AND/OR OBSTRUCTIONS IN THE FIELD SHALL BE THE RESPONSIBILITY OF INSTALLATION CONTRACTOR. IF CONTINUOUS ANGLE AND/OR EXTENDED SILLS ARE ORDERED, NOTCHING OF THE ANGLE AND SILLS AROUND OBSTRUCTIONS (HVMS & FIELD CONDITIONS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.
- 11) MULTIPLE SECTION LOUVER & SCREEN ASSEMBLIES AND THEIR FIELD ASSEMBLY COMPONENTS SHALL BE FACTORY PUNCHED.
- 12) FIELD MODIFICATIONS OF LOUVER COMPONENTS SHALL BE REVIEWED AND APPROVED BY LOUVER MANUFACTURER.
- 13) ATTACHMENT TO SURROUNDING STRUCTURE IS REQUIRED AT TOP AND BOTTOM OF EACH BLADE SUPPORT (HWB) AS A MINIMUM REQUIREMENT. (N.I.C.)
- 14) IF BITUMINOUS COMPOUNDS ARE REQUIRED BETWEEN DISSIMILAR METALS ON LOUVERS AND OTHER SURFACES, IT IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR TO SUPPLY AND PROPERLY APPLY IT.
- 15) COLOR: REF. SCHEDULE
- 16) REF. DWGS: 01 FOR SCHED, SPEC, ASSEMBLY & NOTES

DATE	BY	REVISION
02/10/14	DLB	102014
02/10/14	NTL	102014
02/10/14	NTL	102014
BY: BRAD GUMZ		
DATE: 02/10/14		
TITLE: NCS/LSA4W38 SCHED, SPEC & NOTES ASSEMBLY		
STATUS: 1		
OTHER: NONE		

2098235-01