

# AIRLINE LOUVERS

## ROUND HEAD & SILL DETAIL

Vermont Agency of Transportation

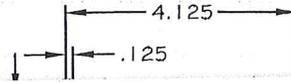
**RECEIVED**

ON: **March 3, 2014**

and Checked for

**CONFORMANCE**

BY: Jennifer Fitch DATE: 03/19/2014



### 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: GME

Date: 3/5/14

ITEM	QTY	STYL
1	5	

**AIRLINE**  
LOUVERS

A NYSTROM BUILDING PRODUCTS COMPANY

Toll-Free: 800-547-2635

Fax: 800-317-8770

Internet: [www.airlinelouvers.com](http://www.airlinelouvers.com)

e-mail: [info@airlinelouvers.com](mailto:info@airlinelouvers.com)

PROJECT: MIDDLEBURY RS - 0174(8)

CONTRACTOR: T BUCK CONSTRUCTION

ARCHITECT: VHB / VTRANS

DRAWN BY:  
CMR

REV. DATE:  
05/01/99

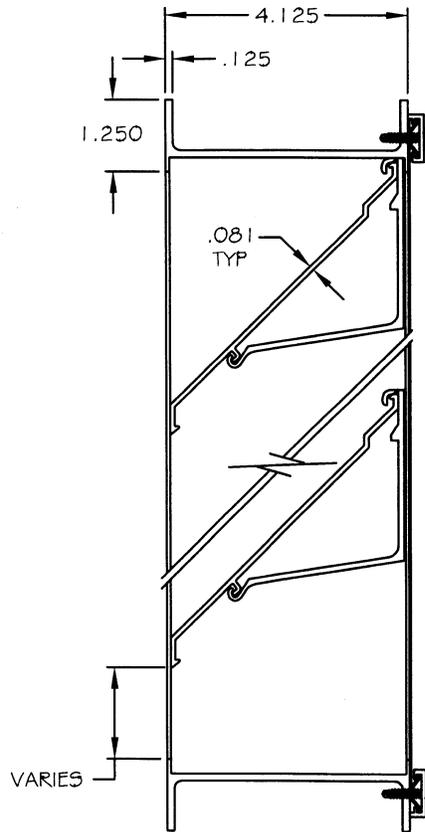
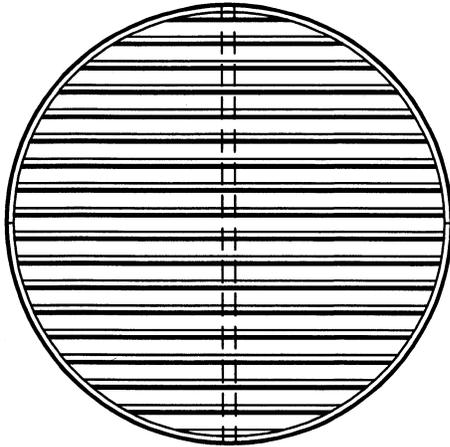
QUANTITY: 5

DATE: 2/24/14

TITLE:  
ROUND HEAD\_SILL

# AIRLINE LOUVERS

## ROUND HEAD & SILL DETAIL



HEAD & SILL DETAIL

ITEM	QTY	MODEL		WALL OPENING	OPTIONAL ACCESSORIES					IDENTIFICATION/LOCATION
		STYLE	FLANGE	DIAMETER	EXTERIOR MOUNTED SCREEN	EXTENDED SILL	U-FRAMED SCREENS	HIDDEN MULLION		
					VERT	HORZ				
1	5			18"	NO	NO	NO	/	/	

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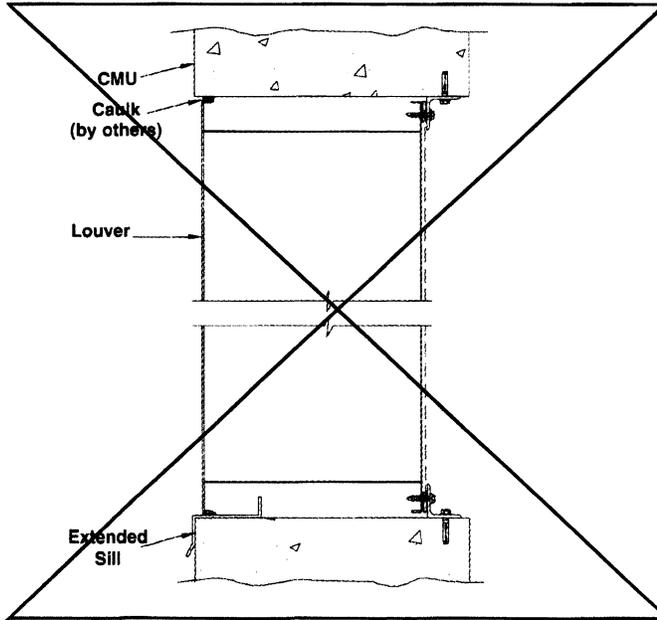
DATE:  
2/24/14

TITLE:  
ROUND HEAD\_SILL

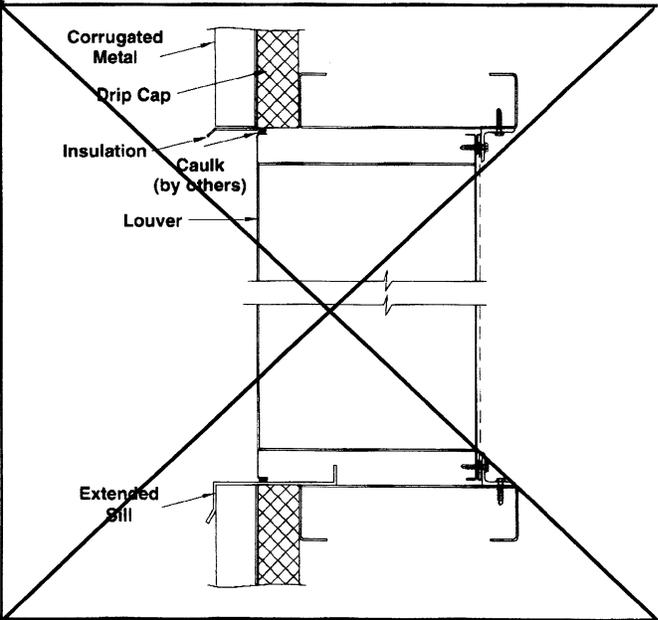
**TYPICAL INSTALLATION DETAILS**

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

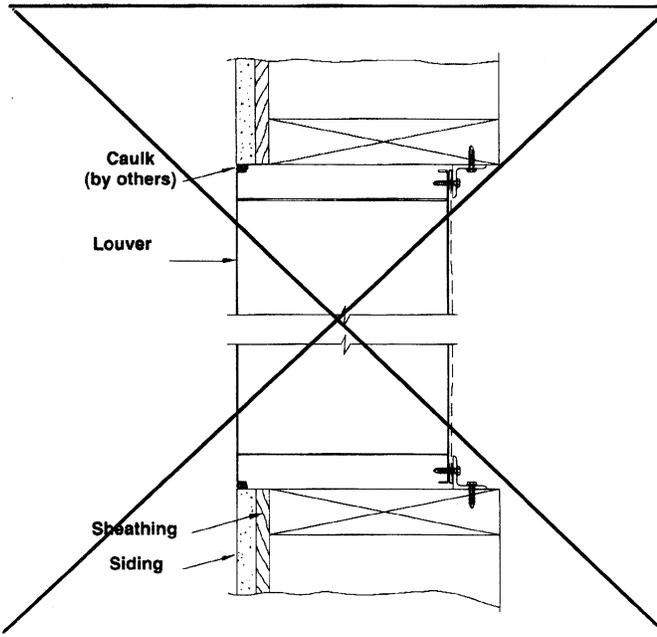
**Masonry Wall**



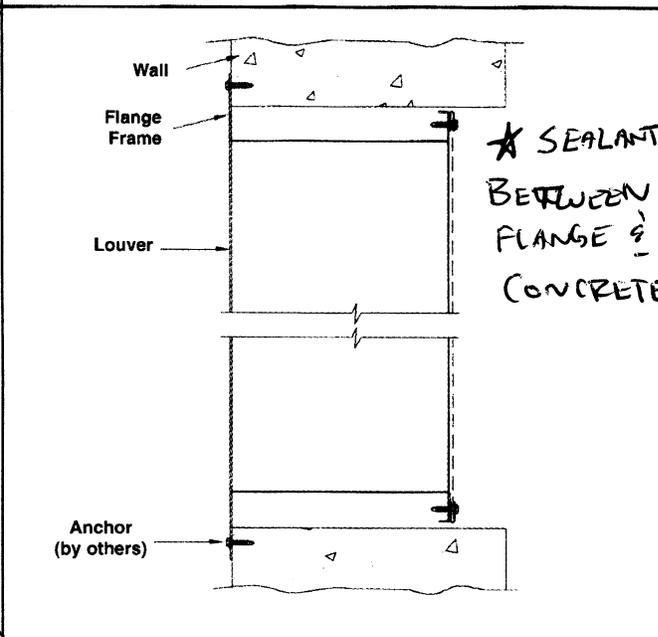
**Metal Panel Wall**



**Wood Installation**



**Flange Mount**



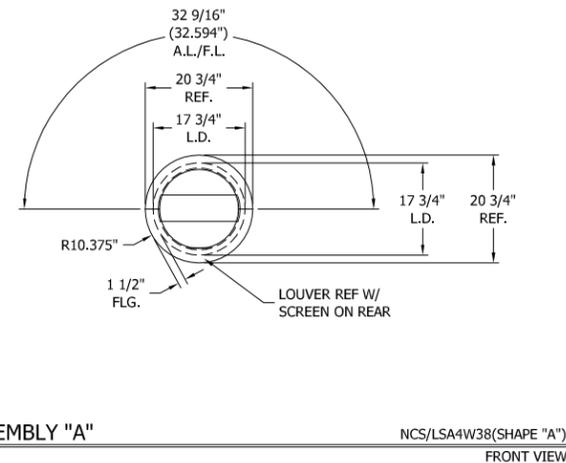
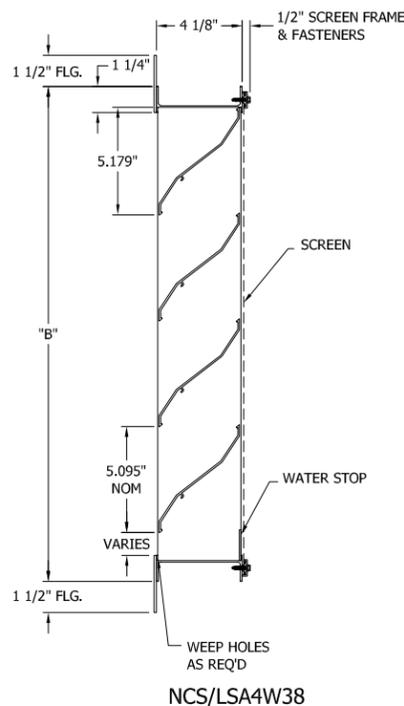
PROJECT: MIDDLEBURY RS-0174(8)	LOCATION: MIDDLEBURY ARCH PANELS
ARCH/ENGR.: VHB / VTRANS	CONTRACTOR: T BUCK CONSTRUCTION
REPRESENTATIVE:	DATE: 2/24/19

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	1/4"	17 3/4"	17 3/4"	1	N/A

FRAME	
6063-T5 extruded aluminum with .080" nominal wall thickness. Formable frame	
Flange frame, same matl 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	
5/8" x .040" expanded flattened aluminum bird screen.	
1/2" mesh x .063" aluminum bird screen.	
18-16 mesh alum insect screen	
No screen.	
FINISH	
Mill.	
Kynar (opt).	
Baked enamel (modified fluoropolymer, 50% Kynar, opt).	
Pearledize (opt).	
Color Anodize (opt).	
Clear Anodize (opt).	
Color: Ref. Schedule	
ACCESSORIES (opt)	
Extended sill.	
Clip angles.	
Blankoff panel.	



NOTES

- DIMENSIONS SHOWN ARE ACTUAL LOUVER SIZE.
- LOUVER DESIGN INCORPORATES STRUCTURAL SUPPORTS ATTACHED TO REAR OF LOUVER TO WITHSTAND A WINDLOAD OF 20 PSF. REF. SCHEDULE, ASSY, OR PLANVIEW FOR SIZE, QTY. & LOCATION. PERIMETER SUBSTRATE AND ATTACHMENT DESIGN IS NIC.
- INDICATES TAG: LETTER= ASSY #= SHIP SECTION.
- DETAIL BALLOON DESCRIPTION: DETAIL #
- SHOP DRAWINGS ARE PREPARED BASED ON INTERPRETATION OF PURCHASER'S ORDER AND/OR ARCHITECTS/ENGINEERS DRAWINGS AND SPECIFICATIONS. IT IS IMPORTANT THAT THE PURCHASER AND THE INSTALLATION CONTRACTOR REVIEW THESE DRAWINGS DIMENSIONALLY AND FUNCTIONALLY WITH RESPECT TO THE ARCHITECTS INTENT AND VERIFY SIZE, CONFIGURATION AND FIELD CONDITIONS PRIOR TO FABRICATION.

- ABBREVIATIONS  
 B.O.D. = BLANK-OFF DIMENSION  
 F.L. = FRAME LENGTH  
 H.H.B.S. = HORZ. HIDDEN BLADE SUPPORT  
 H.V.B.S. = HIDDEN VERT. BLADE SUPPORT  
 L.D. = LOUVER DIMENSION  
 L.D.D. = LOUVER DOOR 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. = ROUGH OPENING  
 SIM = SIMILAR  
 S.D. = SUB-FRAME DIMENSION  
 S.S. = SHIP SECTION  
 S.S.D. = SHIP SECTION DIMENSION  
 TYP = TYPICAL  
 U.N.O. = UNLESS NOTED OTHERWISE

- 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.
- 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.
- 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).
- NOTCHING OF HVBS AROUND STRUCTURE AND/OR OBSTRUCTIONS IN THE FIELD SHALL BE THE RESPONSIBILITY OF INSTALLATION CONTRACTOR. IF CONTINUOUS ANGLES AND/OR EXTENDED SILLS ARE ORDERED, NOTCHING OF THE ANGLES AND SILLS AROUND OBSTRUCTIONS (HVBS & FIELD CONDITIONS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

- MULTIPLE SECTION LOUVER & SCREEN ASSEMBLIES AND THEIR FIELD ASSEMBLY COMPONENTS SHALL BE FACTORY PUNCHED.
- FIELD MODIFICATIONS OF LOUVER COMPONENTS SHALL BE REVIEWED AND APPROVED BY LOUVER MANUFACTURER.
- ATTACHMENT TO SURROUNDING STRUCTURE IS REQUIRED AT TOP AND BOTTOM OF EACH BLADE SUPPORT (HVBS) AS A MINIMUM REQUIREMENT. (N.I.C.)
- IF BITUMINOUS COMPOUNDS ARE REQUIRED BETWEEN DISSIMILAR METALS OR LOUVERS AND OTHER SURFACES, IT IS THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR TO SUPPLY AND PROPERLY APPLY IT.
- COLOR: REF SCHEDULE
- REF. DWGS: 01 FOR SCHED, SPEC, ASSEMBLY & NOTES

SUBMITTAL

**NYSTROM**  
Right to site.

9300 73rd Avenue N.  
Brooklyn Park, MN 55428  
PHONE (763) 445-2325  
FAX (800) 317-8770

T. BUCK CONSTR. INC.

NYSTROM, INC.

P.O. TBUCKCONST

CN: 2098235

DWN. BY: DLB		DATE: 1/27/14	
CHK. BY: NLT		DATE: 1/27/14	
APP'D BY: NLT		DATE: 1/27/14	
EEN		DATE:	
SALES PERSON: BRAD GUMZ			
DRWG CERTIFIED			
BY: _____		DATE: _____	
TITLE: NCS/LSA4W38 SCHED, SPEC & NOTES ASSEMBLY			
SHEET: 1	OF: 1	PROJ. SCALE: NONE	
DWG. NO.			

2098235-01