SOUNDWALLS - STANDARD DRAWING ASSEMBLY DRAWING



TUF-BARRIER® / SILENT PROTECTOR® SOUND WALL

TUF BARRIER and SILENT PROTECTOR panels are manufactured in accordance with ASTM F3459 - Standard Specification for Rigid Poly Vinyl Chloride (PVC) Exterior Profiles Used for Sound Walls.

A II	204	TIIC D	V DDIED	ΩD	CHENT	DDOTECTOD	200	negistered	tandomanko	balancing to	 INTERNATIONAL	INIC

Ę.				
aun	1	31 JAN 24	BW	GENERAL REVISIONS
Ť	0	09 MAY 16	PAS	ISSUED AS STANDARD
	REV NO.	DATE	BY	DESCRIPTION

_		SOUND WALLS
	A	CUINDMALIC
	4-11	JOUIND WALLS
\dashv		

CALL TOLL FREE IN NORTH AMERICA 1-866-231-7867

www.ailsoundwalls.com www.ail.

SOUNDWALLS - STANDARD DRAWING ASSEMBLY DRAWING COVER SHEET

DRAWING No.

COVER SHEET

ASSEMBLY DRAWING

END POST DETAILS PT-A

W100X19/W4X13 SOUND BARRIER WALL

TYPICAL ASSEMBLY ELEVATION AND SECTION

TYPICAL FOUNDATION DETAILS FOR GROUND MOUNTED POSTS

STD DRAWING-SW-700

STD DRAWING-SW-710

STD DRAWING-SW-720

STD DRAWING-SW-730

STD DRAWING-SW-740

STD DRAWING-SW-750

ESIGNED	-	-	BRANCH P.O.	CUSTOMER F	REF.	
es. Chk	-	-	-	-		
RAWN BY	1	-	PROJECT STD DRAW	ING	DWG SW-700	RE۱
)WG. CHK	-	-	NUMBER SID DKAV	VIINU	NO. 3W-1UV	1

REV.

1

ISSUE DATE

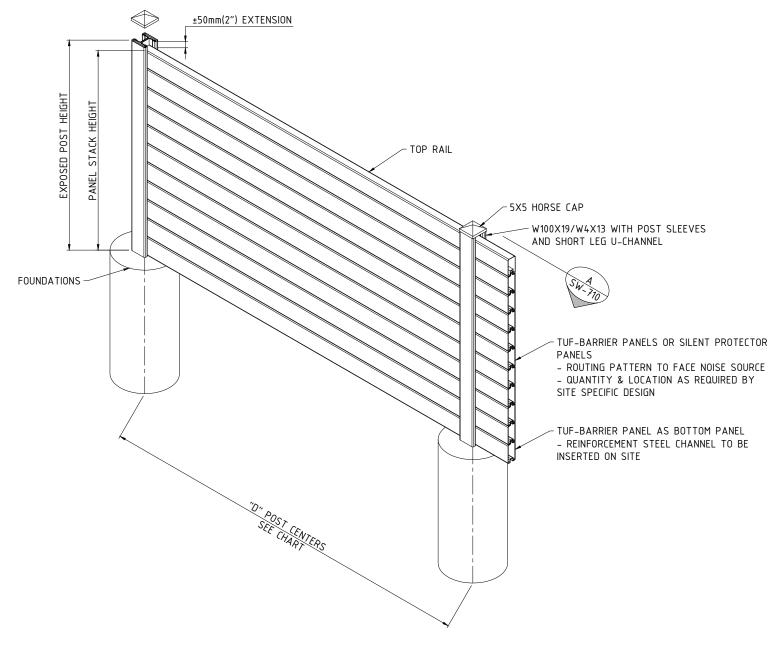
31 JAN 24

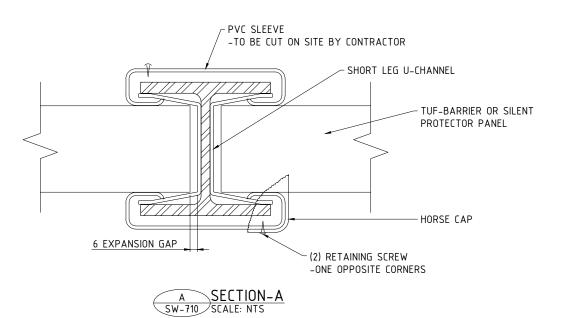
DRAWING INDEX
DRAWING TITLE

SOUNDWALLS - STANDARD DRAWING

ıuary 31, 2024 9:31:56 AM

- DIMENSIONS ARE IN MILLIMETRES [INCHES]
- TOLERANCES:
 - -LENGTH ±3 mm [±1/8"]





TYPICAL ISOMETRIC VIEW SCALE NTS

THIS DRAWING REPRESENTS HOW TO CONSTRUCT AND ASSEMBLE A W100X19/W4X13 FENCE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THAT THE DESIGN/CONSTRUCTION OF THEIR SOUND WALL MEETS ANY CODES AND REQUIREMENTS IN THEIR JURISDICTION

ary				
Janu	1	31 JAN 24	BW	GENERAL REVISIONS
Ť	0	09 MAY 16	PAS	ISSUED AS STANDARD
	REV NO.	DATE	BY	DESCRIPTION

31,

SOUND WALLS

CALL TOLL FREE IN NORTH AMERICA
1-866-231-7867

www.ailsoundwalls.com www.ail.ca

SOUNDWALLS - STANDARD	DRAWING
ASSEMBLY DRAWING	
W100X19/W4X13 SOUND BARRIER	WALL

DESIGNED	-	-	BRANCH P.O.	CUSTOMER F	REF.	
DES. CHK	-	-	-	-		
DRAWN BY	1	-	PROJECT CTD DDAL	/ING	DWG SW_710	REV.
DWG. CHK	_	_	NUMBER SID DKAN	VIINU	NO. 3W-11U	1

SHORT LEG U-CHANNEL

PVC SLEEVE

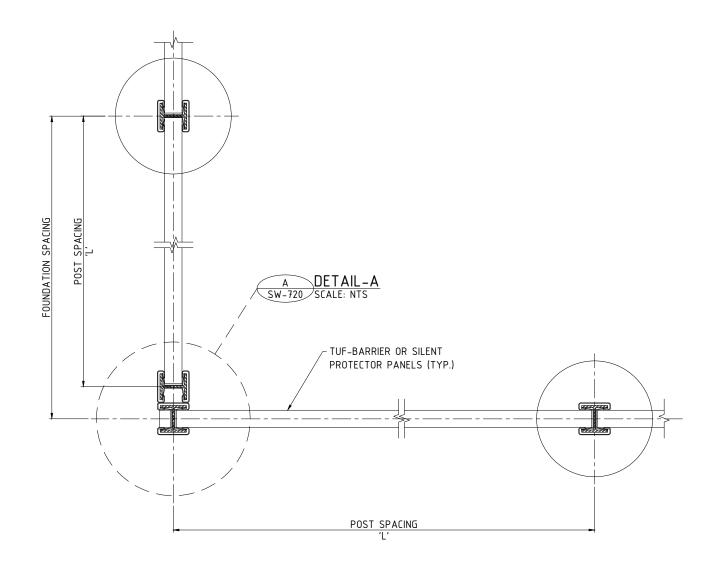
HORSE CAP

(4) RETAINING SCREWS - ONE IN EACH CORNER

A DETAIL-A SW-720 SCALE: NTS

(TYP.)

- DIMENSIONS ARE IN MILLIMETRES [INCHES]
- TOLERANCES:
 - -LENGTH ±3 mm [±1/8"]



90° CORNER - PLAN VIEW SCALE NTS

POST SPACING IS DETERMINED ON A SITE SPECIFIC BASIS BASED WIND LOADS IN THE JURISDICTION. CONSULT AIL SOUND WALLS FOR PROPER PANEL SPAN FOR REGION/APPLICATION.

POST SPACING CHART						
PANEL	LENGTH	POST SPACING 'L'				
mm	in	mm	in			
2438	7'-11½"	2456	8'-03/4"			
3048	9'-11 ¹ / ₂ "	3067	10'-03/4"			
3658	11'-11½"	3679	12'-0 ³ / ₄ "			

THIS DRAWING REPRESENTS HOW TO CONSTRUCT AND ASSEMBLE A W100X19/W4X13 FENCE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THAT THE DESIGN/CONSTRUCTION OF THEIR SOUND WALL MEETS ANY CODES AND REQUIREMENTS IN THEIR JURISDICTION

Ę.				
aun	1	31 JAN 24	BW	GENERAL REVISIONS
Ť	0	09 MAY 16	PAS	ISSUED AS STANDARD
	REV NO.	DATE	BY	DESCRIPTION

SOUND WALLS

CALL TOLL FREE IN NORTH AMERICA
1-866-231-7867

www.ailsoundwalls.com www.ail.ca

SOUNDWALLS - STANDARD DRAWING
ASSEMBLY DRAWING
PLAN VIEW

W100X19/W4X13 STEEL POST

2.7" X 1.6" -PVC INSERT

DESIGNED	-	ı	BRANCH P.O.	CUSTOMER F	REF.	
DES. CHK	-	-	-	-		
DRAWN BY	-	-	PROJECT STD DRAV	ING	DWG SW-720	REV
DWG. CHK	_	_	NUMBER SID DKAV	UNIIV	NO. 3W-12V	1

THIS DRAWING IS THE PROPERTY OF ATLANTIC INDUSTRIES LIMITED (AIL) AND MAY CONTAIN PROPRIETARY INFORMATION. WRITTEN APPROVAL MUST BE GIVEN BY AIL PRIOR TO ANY INFORMATION CONTAINED HEREIN BEING USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ISSUED. THIS DRAWING SHALL BE RETURNED TO AIL UPON REQUEST. © ATLANTIC INDUSTRIES LIMITED (2024)

- CONCRETE FOUNDATION (DESIGNED BY OTHERS)

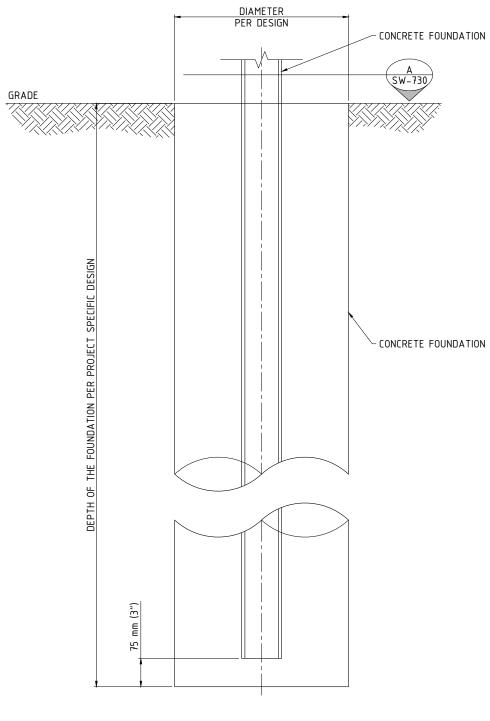
- SHORT LEG U-CHANNEL

- W100X19/W4X13 C/W POST SLEEVES WITH SHORT LEG 'U'

CHANNEL

- PVC SLEEVE

- DIMENSIONS ARE IN MILLIMETRES [INCHES]
- TOLERANCES:
 - -LENGTH ±3 mm [±1/8"]



ELEVATION VIEW SCALE NTS

THIS DRAWING REPRESENTS HOW TO CONSTRUCT AND ASSEMBLE A W100X19/W4X13 FENCE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THAT THE DESIGN/CONSTRUCTION OF THEIR SOUND WALL MEETS ANY CODES AND REQUIREMENTS IN THEIR JURISDICTION



www.ailsoundwalls.com www.ail.ca

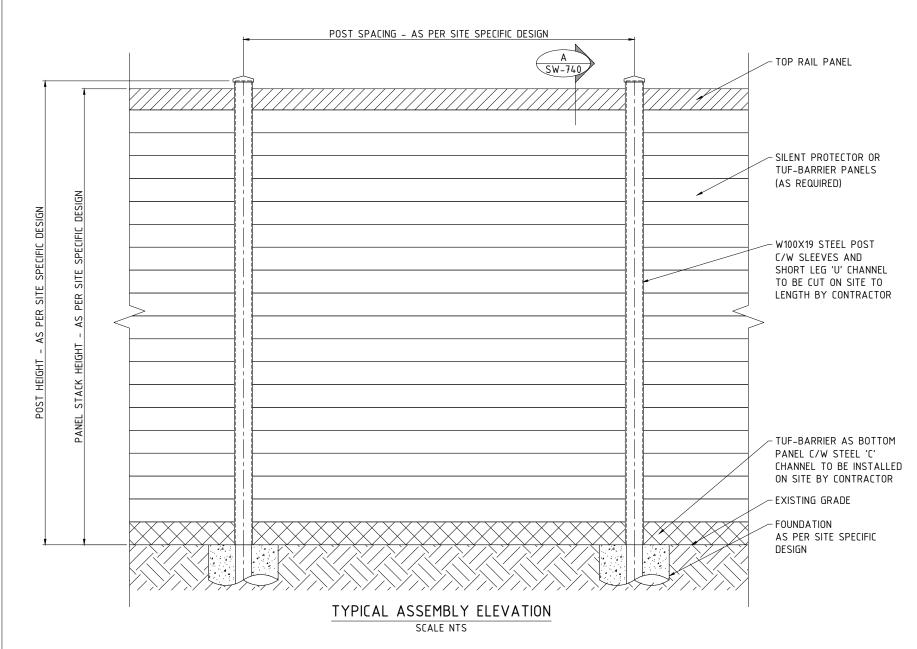
SOUNDWALLS - STANDARD DRAWING
ASSEMBLY DRAWING
TYPICAL FOUNDATION DETAILS FOR GROUND MOUNTED POSTS

A SECTION-A SCALE: NTS

DESIGNED	-	-	BRANCH P.O.	CUSTOMER F	REF.	
DES. CHK	-	-	-	-		
DRAWN BY	1	-	PROJECT STD DRAW	ING	DWG SW-730	RE
DWG. CHK	-	_	NUMBER SID DKAN	VIINU	NO. 3W-13V	1

THIS DRAWING IS THE PROPERTY OF ATLANTIC INDUSTRIES LIMITED (AIL) AND MAY CONTAIN PROPRIETARY INFORMATION. WRITTEN APPROVAL MUST BE GIVEN BY AIL PRIOR TO ANY INFORMATION CONTAINED HEREIN BEING USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ISSUED. THIS DRAWING SHALL BE RETURNED TO AIL UPON REQUEST. © ATLANTIC INDUSTRIES LIMITED (2024)

- DIMENSIONS ARE IN MILLIMETRES [INCHES]
- TOLERANCES:
 - -LENGTH ±3 mm [±1/8"]



5x5 HORSE CAP SCREWED TO PVC SLEEVES WITH NO.6 12 mm (½") SCREWS TOP RAIL PANEL TUF-BARRIER OR SILENT PROTECTOR PANELS W100X19 STEEL POST C/W SLEEVES AND SHORT LEG 'U' CHANNEL TUF-BARRIER AS BOTTOM PANEL C/W STEEL 'C' CHANNEL TO BE INSTALLED ON SITE BY CONTRACTOR

DETAIL - TYPICAL CROSS SECTION
SW-740 SCALE: NTS

THIS DRAWING REPRESENTS HOW TO CONSTRUCT AND ASSEMBLE A W100X19/W4X13 FENCE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THAT THE DESIGN/CONSTRUCTION OF THEIR SOUND WALL MEETS ANY CODES AND REQUIREMENTS IN THEIR JURISDICTION

1	31 JAN 24	BW	GENERAL REVISIONS
0	09 MAY 16	PAS	ISSUED AS STANDARD
REV NO.	DATE	BY	DESCRIPTION
		0 09 MAY 16	0 09 MAY 16 PAS

SOUND WALLS

CALL TOLL FREE IN NORTH AMERICA
1-866-231-7867

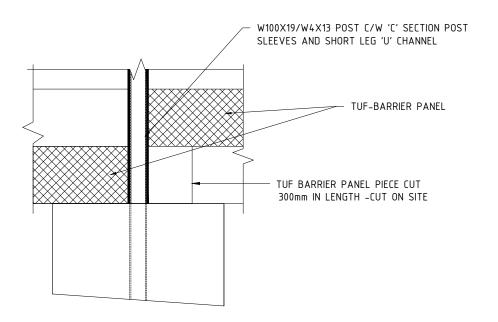
www.ailsoundwalls.com www.ail.ca

SOUNDWALLS - STANDARD	DRAWING
ASSEMBLY DRAWING	
ELEVATION	

DESIGNED	-	-	BRANCH P.O.	CUSTOMER F	REF.	
DES. CHK	-	-	-	-		
DRAWN BY	1	-	PROJECT STD DRAV	ING	DWG (W_7/1)	RE
DWG. CHK	-	-	NUMBER SID DRAV	VIINU	NO. 3W-14V	1

NOTE

- DIMENSIONS ARE IN MILLIMETRES [INCHES]
- TOLERANCES:
 - -LENGTH ±3 mm [±1/8"]



TYPICAL STEPPED DETAIL - TYPICAL FOR GROUND MOUNTED POSTS

SCALE: N.T.S.

THIS DRAWING REPRESENTS HOW TO CONSTRUCT AND ASSEMBLE A W100X19/W4X13 FENCE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THAT THE DESIGN/CONSTRUCTION OF THEIR SOUND WALL MEETS ANY CODES AND REQUIREMENTS IN THEIR JURISDICTION

Ē				
Janu	1	31 JAN 24	BW	GENERAL REVISIONS
	0	09 MAY 16	PAS	ISSUED AS STANDARD
	REV NO.	DATE	BY	DESCRIPTION

AII	SOUND WALLS	
AA		W

CALL TOLL FREE IN NORTH AMERICA 1-866-231-7867

www.ailsoundwalls.com www.ail.ca

SOUNDWALLS - STANDARD DRAWING
ASSEMBLY DRAWING
FOUNDATION STEPPING DETAILS

ESIGNED	-	-	BRANCH P.O.	CUSTOMER F	REF.	
es. Chk	-	-	-	-		
RAWN BY	-	-	PROJECT STD DRAW	ING	DWG SW-750	RE۱
)WG. CHK	-	-	NUMBER SID DKAV	VIIVU	NO. 3W- 13V	1