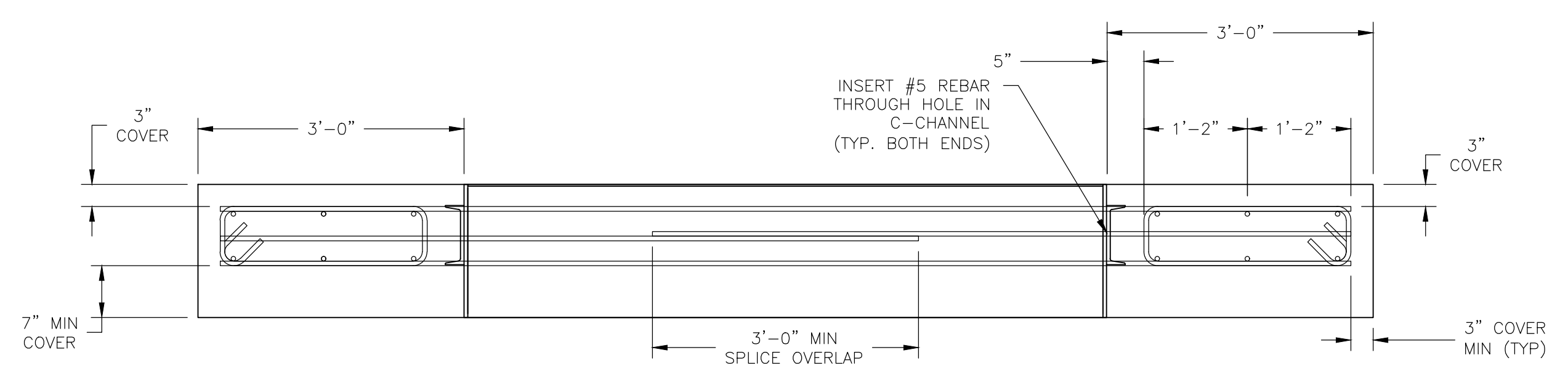
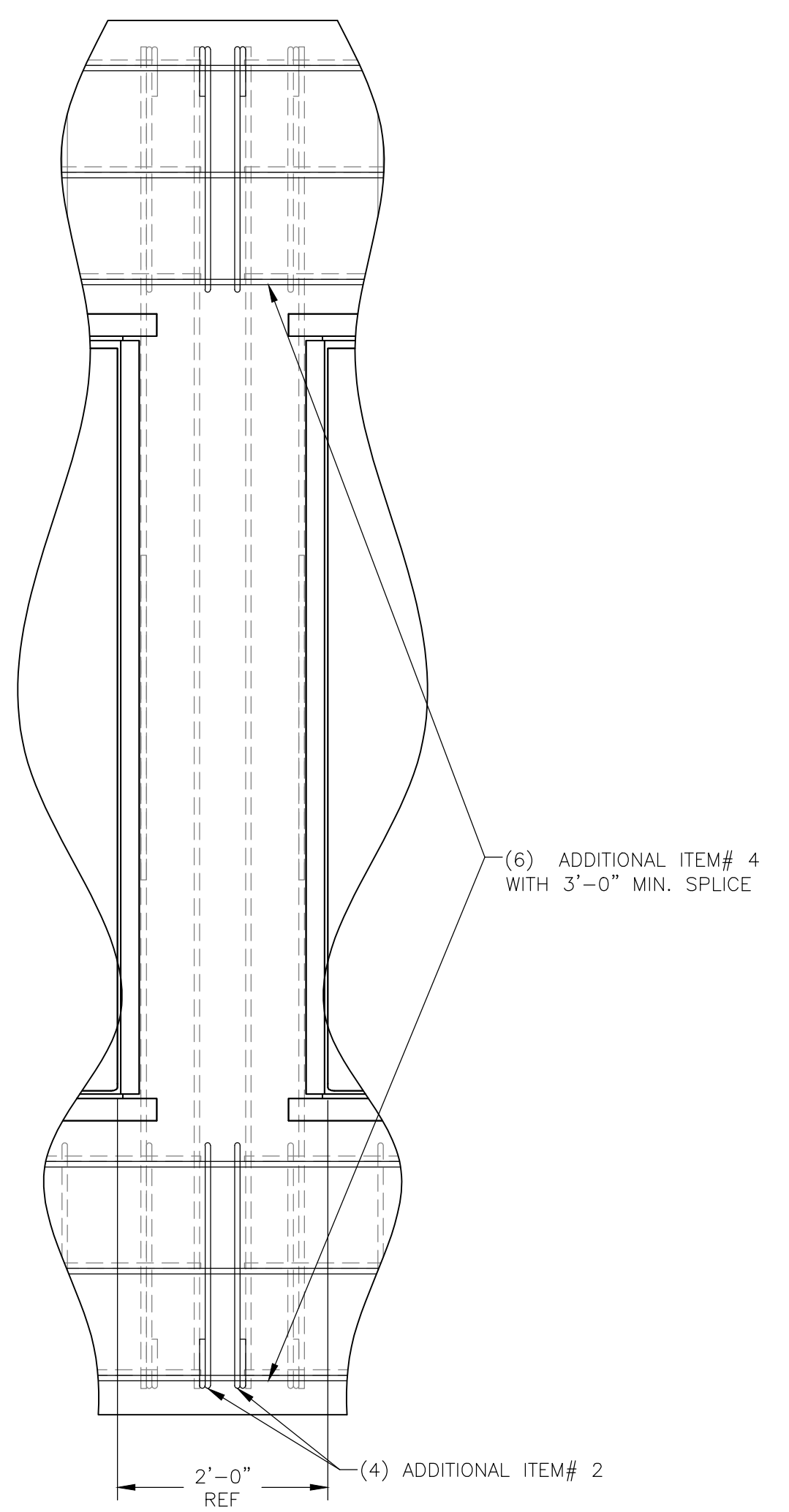


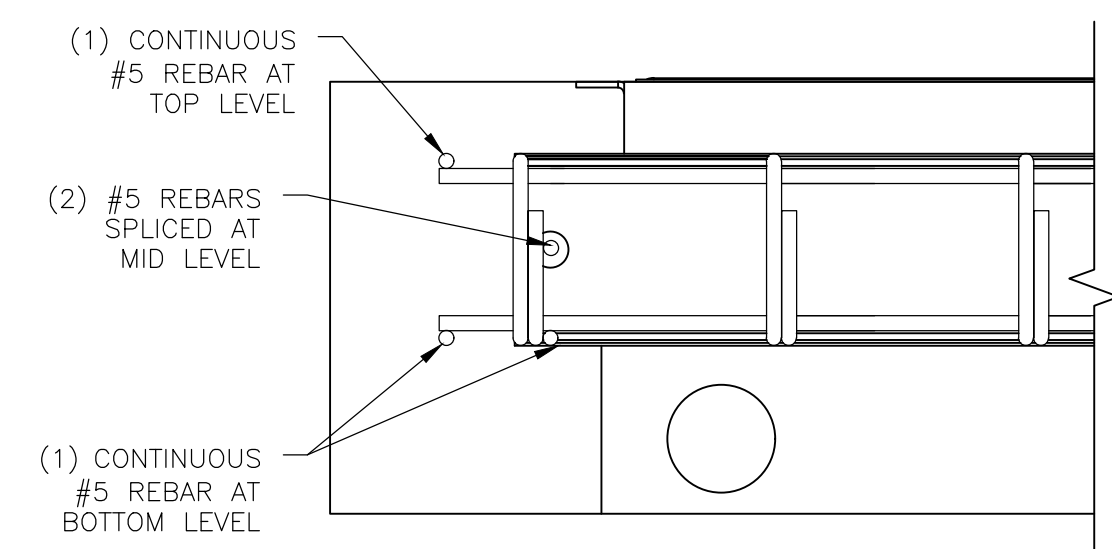
**A PLAN VIEW**  
SCALE: 3/4" = 1'-0"



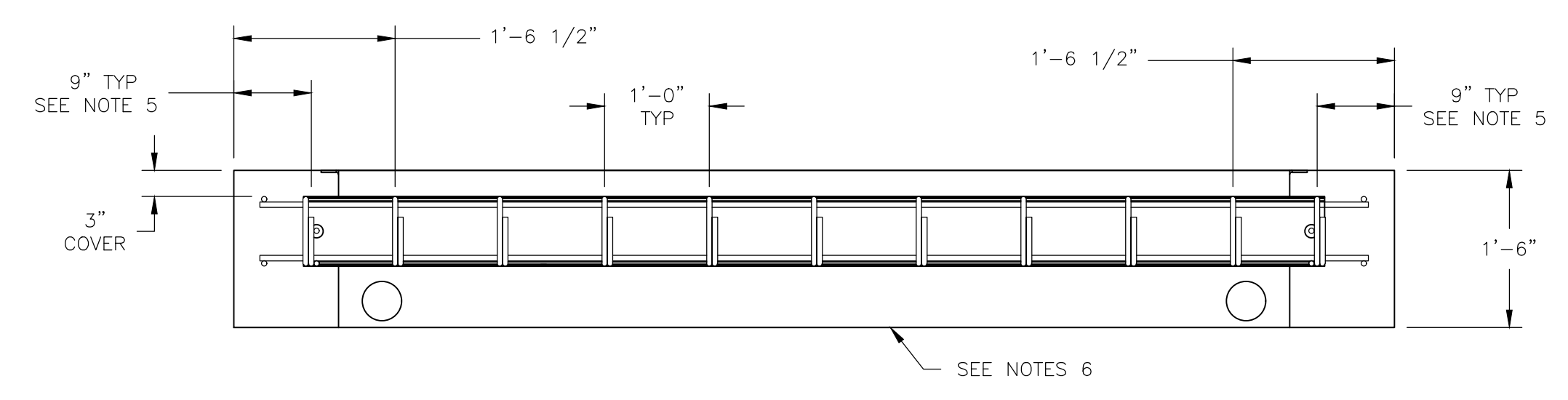
**A-A SIDE ELEVATION VIEW**  
SCALE: 3/4" = 1'-0"



**D-2 SIDE BY SIDE INSTALLATION**  
SCALE: NTS



**C-C REBAR SECTION - TYPICAL**  
SCALE: NTS

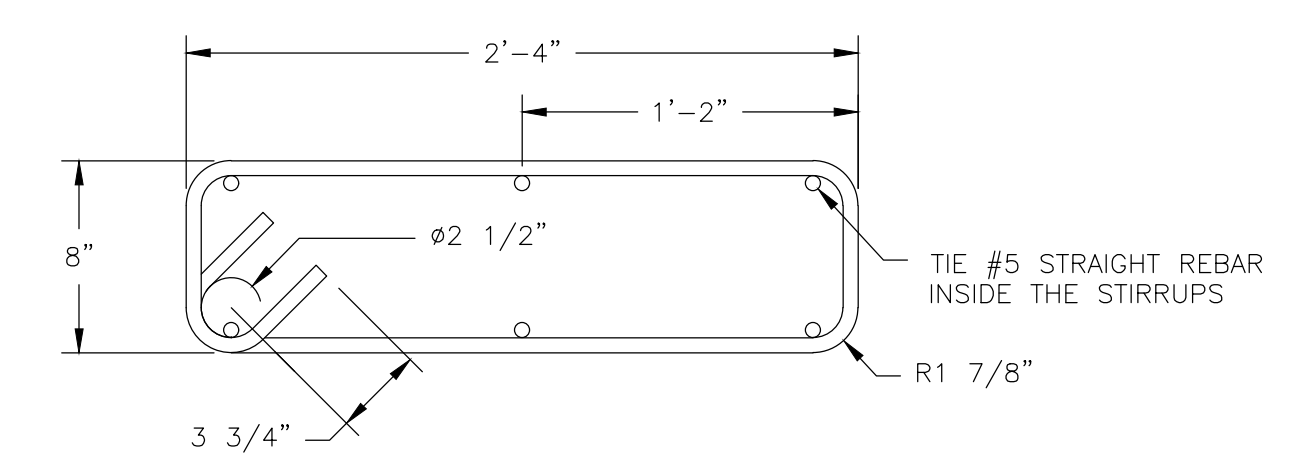


**B-B FRONT ELEVATION VIEW**  
SCALE: 3/4" = 1'-0"

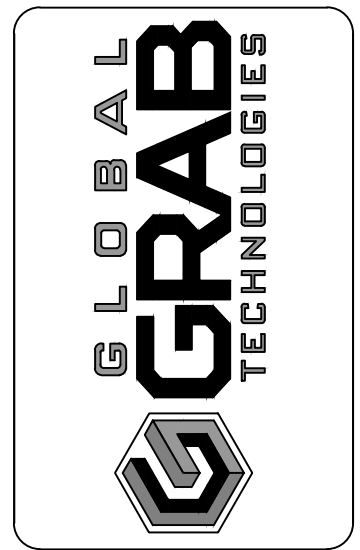


BILL OF MATERIAL			
PART#	ITEM	QTY	DESCRIPTION
-	1	-	4000 PSI (MIN) CONCRETE
-	2	-	#5 REBAR - SEE DETAIL D-1 ~ ASTM A615 GRADE 60 DEFORMED BAR
-	3	-	#5 REBAR x VARIES" ~ ASTM A615 GRADE 60 DEFORMED BAR
-	4	-	#5 REBAR x 12'-9" ~ ASTM A615 GRADE 60 DEFORMED BAR
-	5	-	#5 REBAR x 7'-11" ~ ASTM A615 GRADE 60 DEFORMED BAR
-	-	-	HEAT TRACE CABLE (OPTIONAL)

- NOTES**
- CONCRETE, REBAR AND CONDUIT SHALL BE SUPPLIED BY INSTALLER.
  - CONCRETE MUST BE 4000 PSI (MIN) COMPRESSIVE STRENGTH AT 28 DAYS.
  - INSTALL CONCRETE PER ACI 318 CODE REQUIREMENTS.
  - TIE A MINIMUM OF 90% OF REBAR JOINTS.
  - END STIRRUP DIMENSION MAY VARY 2" LEFT OR RIGHT TO PROVIDE TIE SUPPORT FOR SPLICE BAR RUNNING THROUGH BARRIER CHANNEL FRAME HOLE, TYPICAL ALL FOUR CORNERS.
  - SOIL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR (ASTM D-698) MAXIMUM DRY DENSITY, OR PER LOCAL SPEC.
  - CONDUIT SHALL BE INSTALLED PER PROJECT SPECS & ALL APPLICABLE ELECTRICAL CODES.
  - ALL ELECTRICAL, CONTROLS, AND HYDRAULIC CONDUITS WITH BENDS MUST BE SWEEPING 90 DEGREES TO ALLOW FOR PULLING/FEEDING WIRES.
  - ANY UNUSED OUTLETS MUST BE SEALED OFF PRIOR TO PLACING CONCRETE.
  - FOR CONDUIT SIZES, QUANTITIES AND PATHWAYS SEE SITE SPECIFIC LAYOUT.



**D-1 STIRRUP DETAIL**  
SCALE: NTS



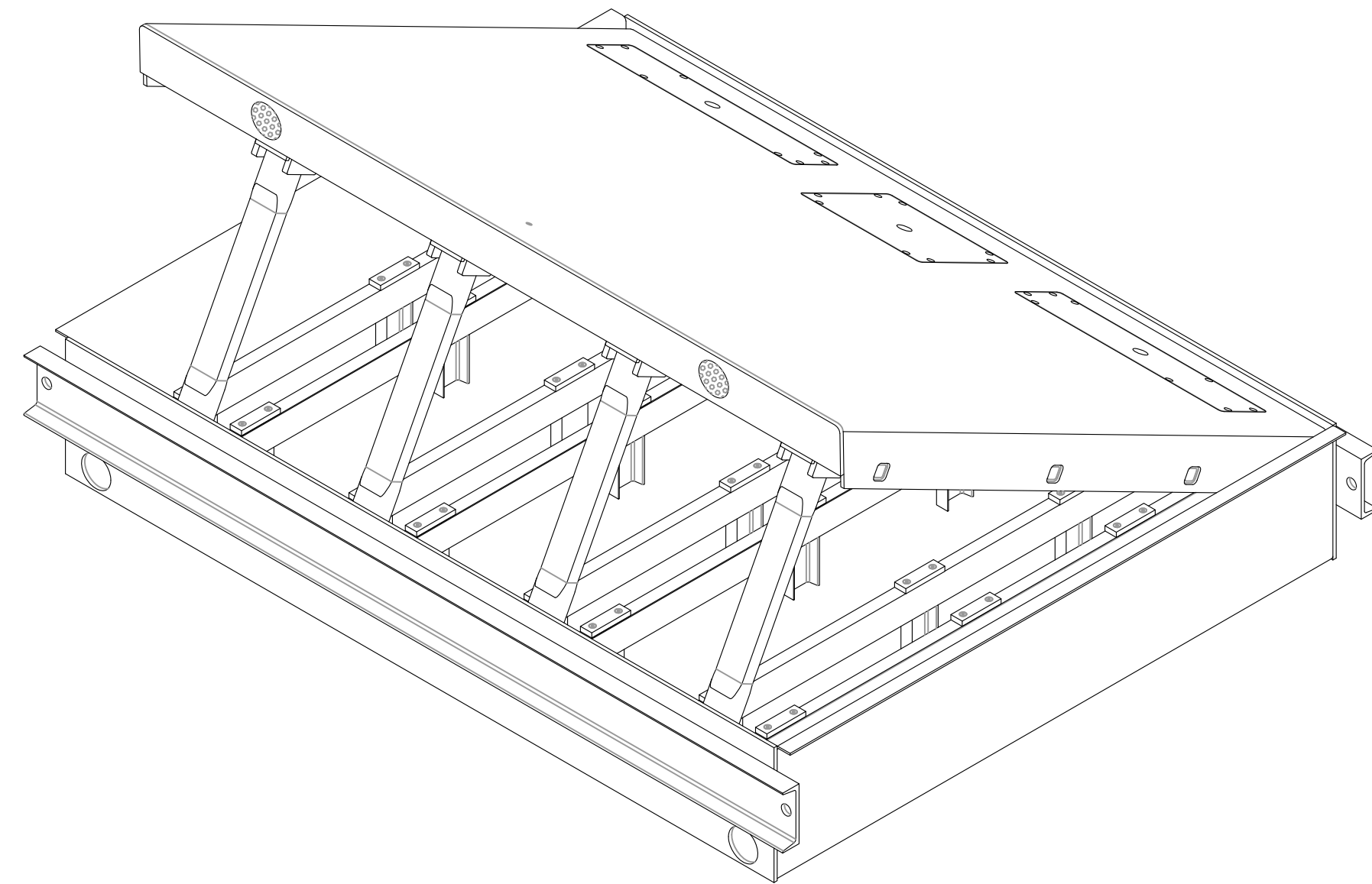
DRAWN BY:	CMT	DATE:	01/23/2020
CHECKED BY:	AS NOTED	SCALE:	AS NOTED
SIZE:	ANSI D	REV:	
DRAWING NUMBER:	GENERAL SW1900 FOUND.		

This sheet contains proprietary and confidential information. This document and its contents are the property of GLOBAL GRAB TECHNOLOGIES, INC. and shall remain the property of GLOBAL GRAB TECHNOLOGIES, INC. All rights reserved. © Copyright 2019. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of GLOBAL GRAB TECHNOLOGIES, INC.

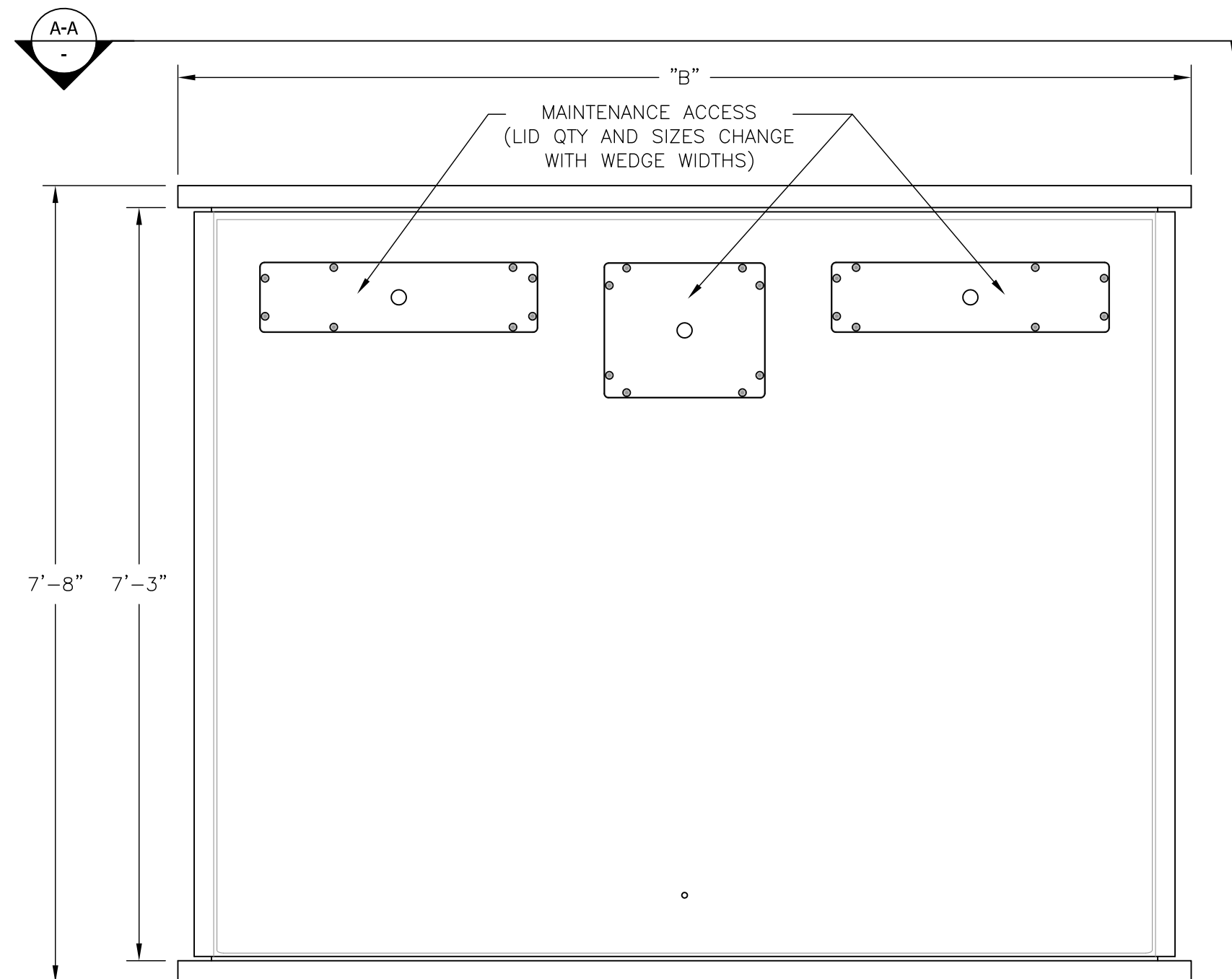
PROJECT NAME  
ACTIVE VEHICLE WEDGE BARRIER  
INSTALLATION & REBAR DETAIL

SHEET ID  
3  
SHEET--

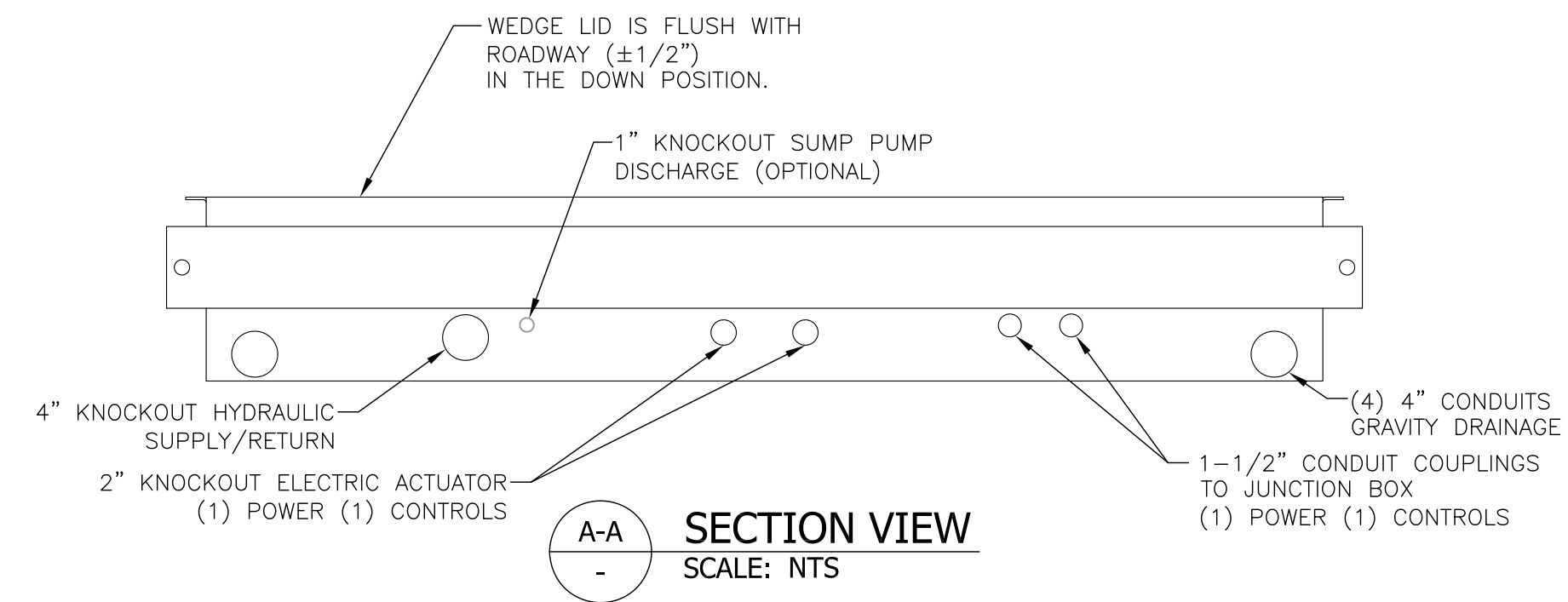
FOR APPROVAL  
DO NOT BUILD



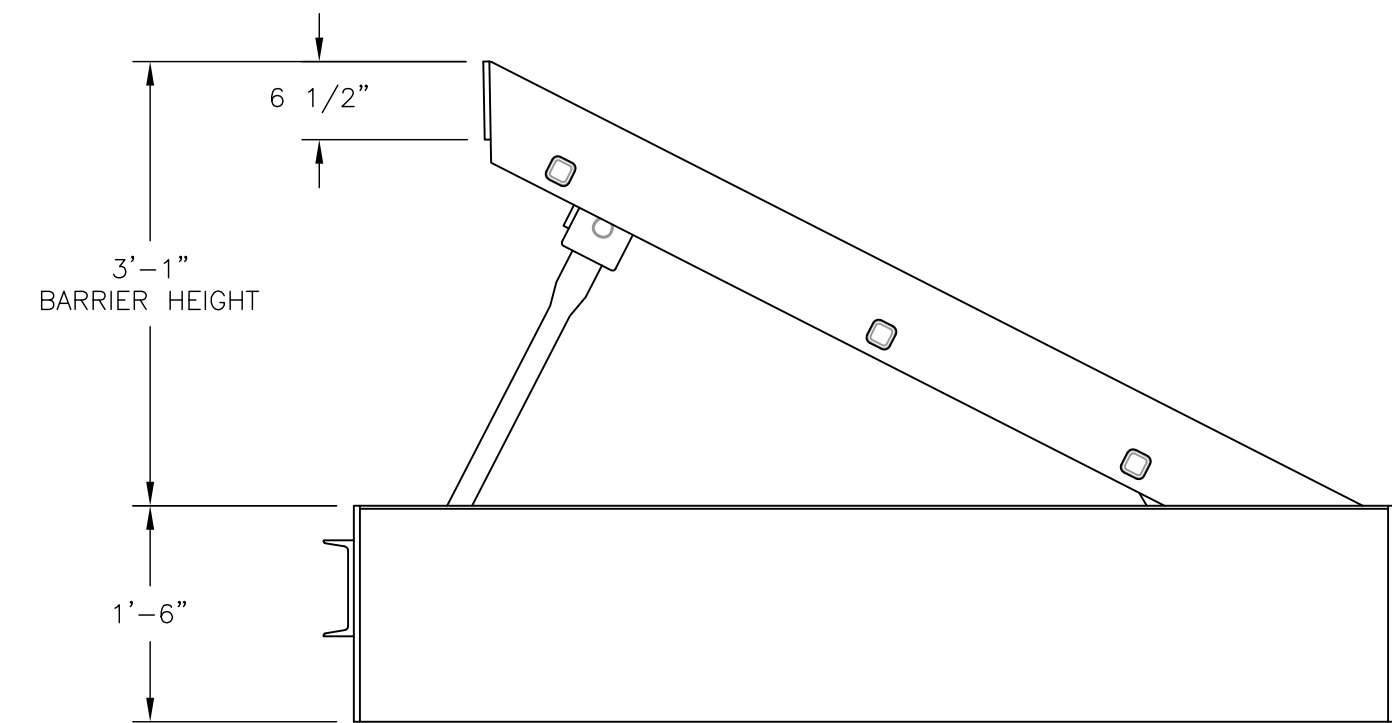
**1** ISO VIEW  
SCALE: NTS



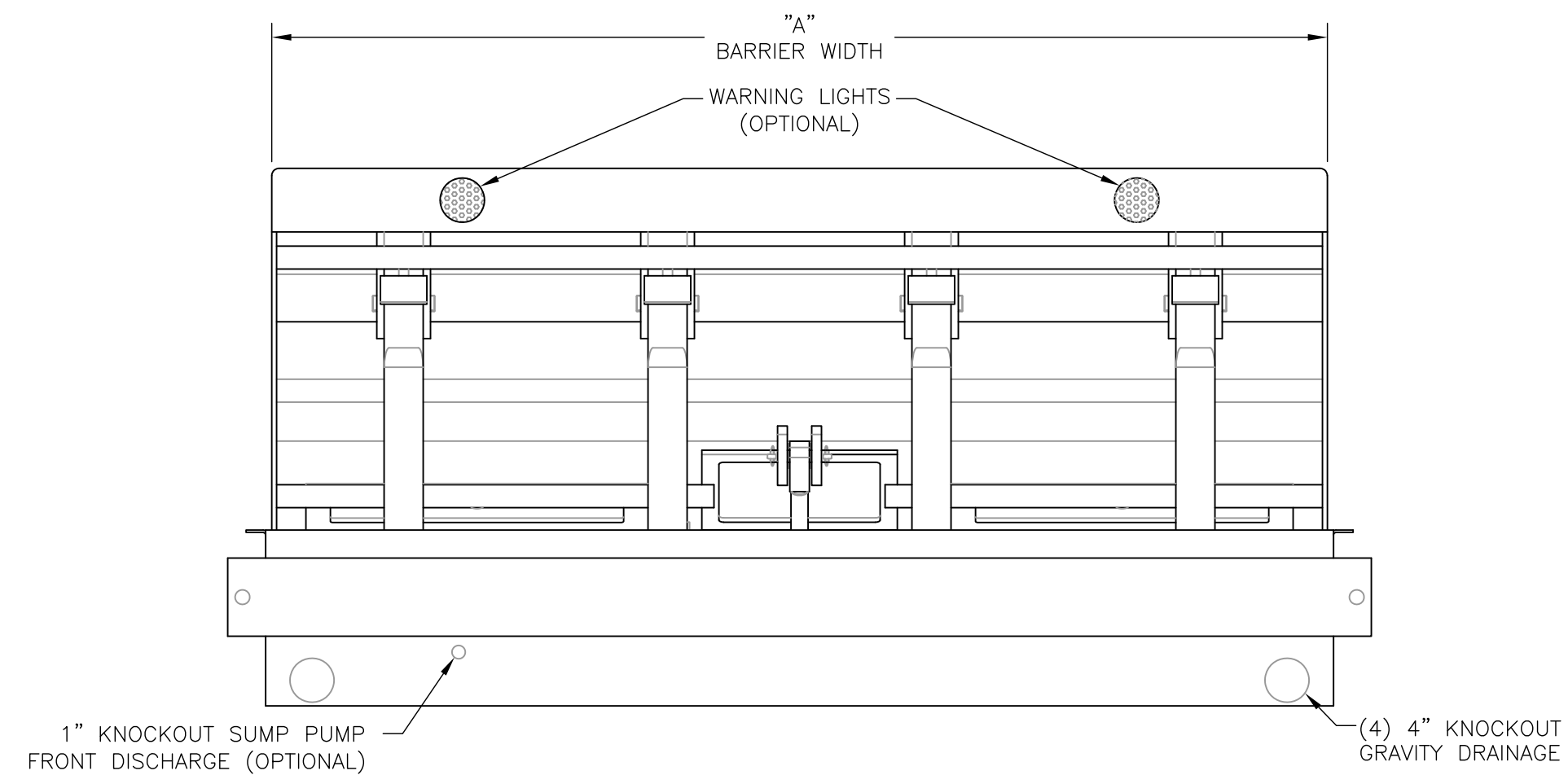
**1** PLAN VIEW  
SCALE: NTS



**A-A** SECTION VIEW  
SCALE: NTS



**2** SIDE ELEVATION VIEW  
SCALE: NTS

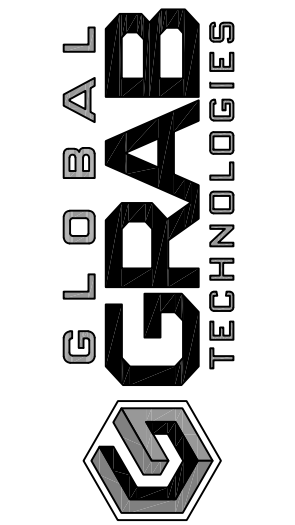


**3** FRONT ELEVATION VIEW  
SCALE: NTS

NOTES	
1	9'-0" WEDGE BARRIER SHOWN FOR REFERENCE ONLY.
2	MEETS ASTM 2656-07 M50-P1 AND SD-STD-02.01 REV. A K12 STANDARDS.
3	WEDGE BARRIER IS CAPABLE OF SUPPORTING <ul style="list-style-type: none"> <li>• 40,000 AXLE LOAD</li> <li>• 26,000 WHEEL LOAD</li> </ul>

PERFORMANCE CHARACTERISTICS	
1	CAN BE MAINTAINED IN THE UP POSITION FOR 1 WEEK OR LONGER WITHOUT MAINTENANCE.
2	MAX OPERATING SPEED 1.5 SECONDS.

BARRIER WIDTHS	
DIM "A"	DIM "B"
8'-0"	8'-9"
9'-0"	9'-9"
10'-0"	10'-9"
11'-0"	11'-9"



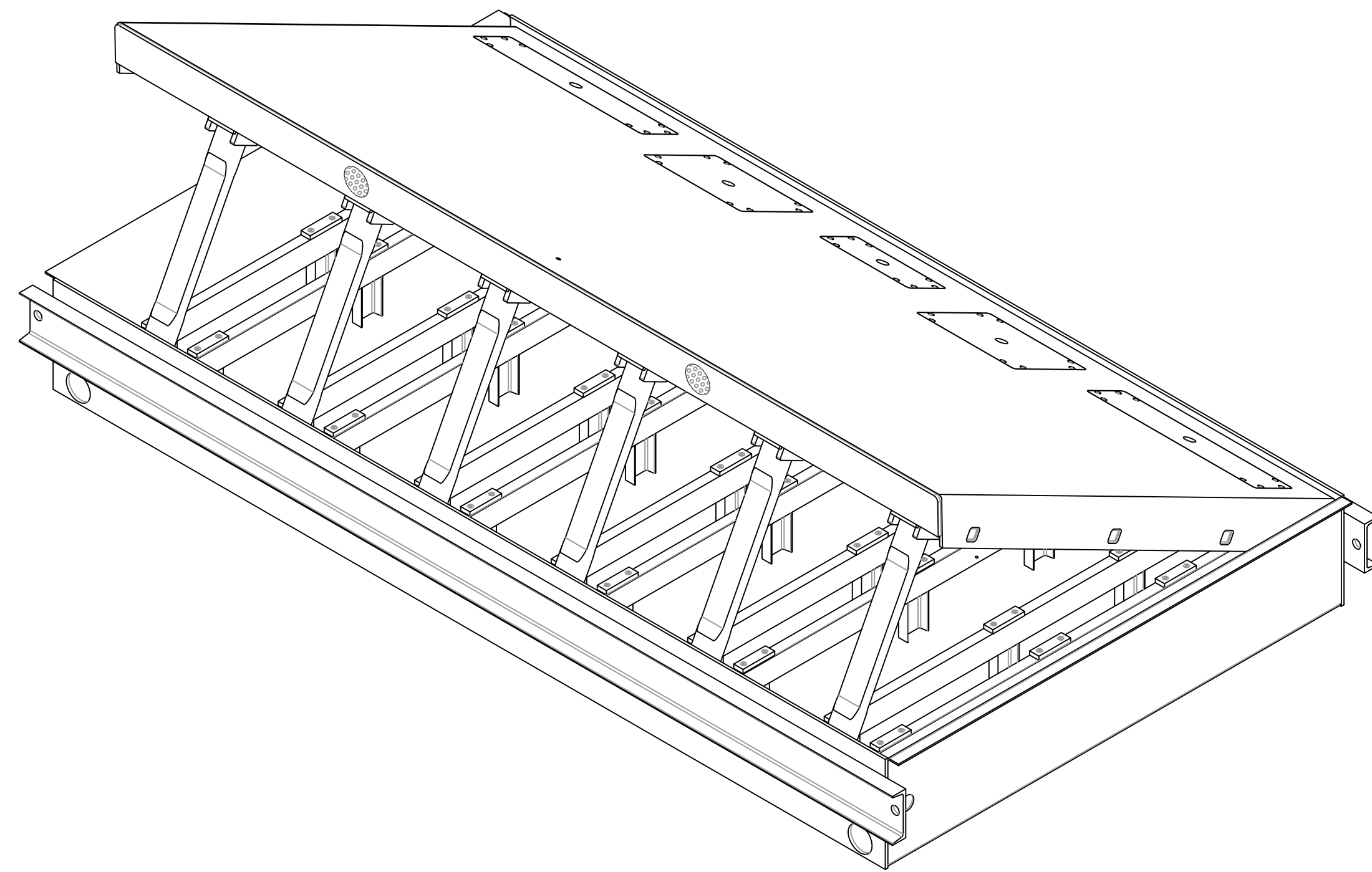
DRAWN BY:	CMT	DATE:	01/23/2020
CHECKED BY:		SCALE:	AS NOTED
SIZE:	ANSI D	REV:	
DRAWING NUMBER:	SW1900 9		11 FT

This is a confidential document and contains proprietary information. This document may not be reproduced or transmitted in any form without the prior written permission of GLOBAL GRAB TECHNOLOGIES, INC. © COPYRIGHT 2019 GLOBAL GRAB TECHNOLOGIES, INC. ALL RIGHTS RESERVED. WARNING: THE EXPORT OR RE-EXPORT OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN TO ANY OTHER COUNTRY WITHOUT THE EXPRESS WRITTEN PERMISSION OF GLOBAL GRAB TECHNOLOGIES, INC. IS STRICTLY PROHIBITED.

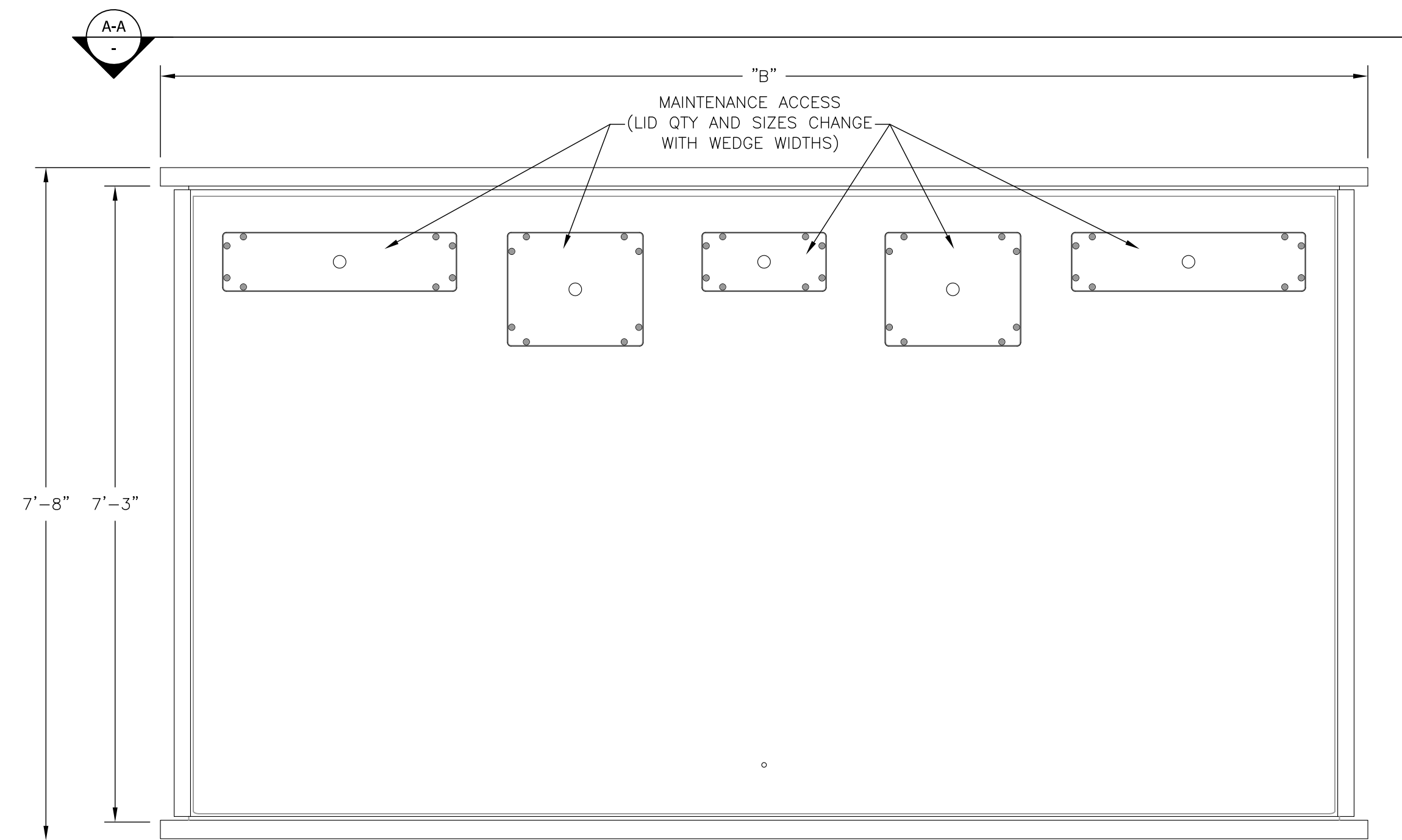
PROJECT NAME  
SW1900 WEDGE BARRIER (8' THRU 11')  
GENERAL ARRANGEMENT

SHEET ID  
1  
SHEET:--

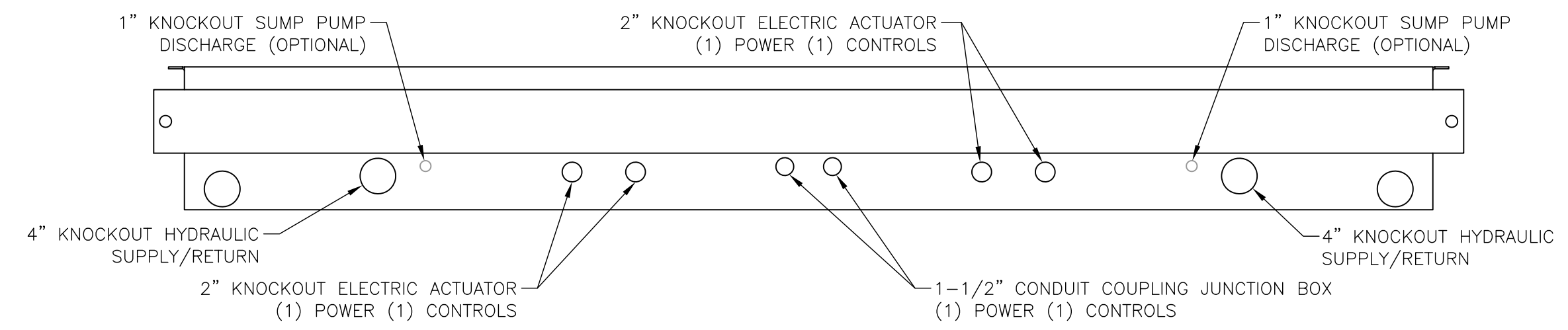
FOR APPROVAL  
DO NOT BUILD



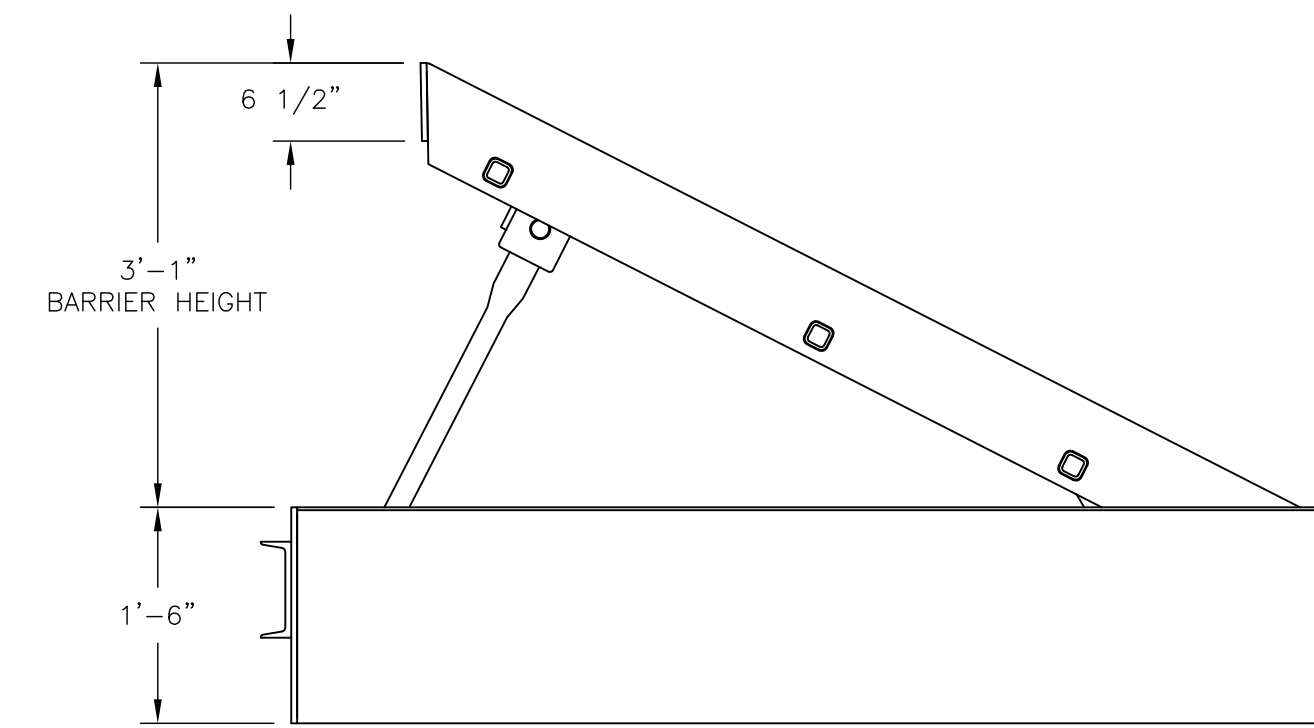
1 ISO VIEW  
SCALE: NTS



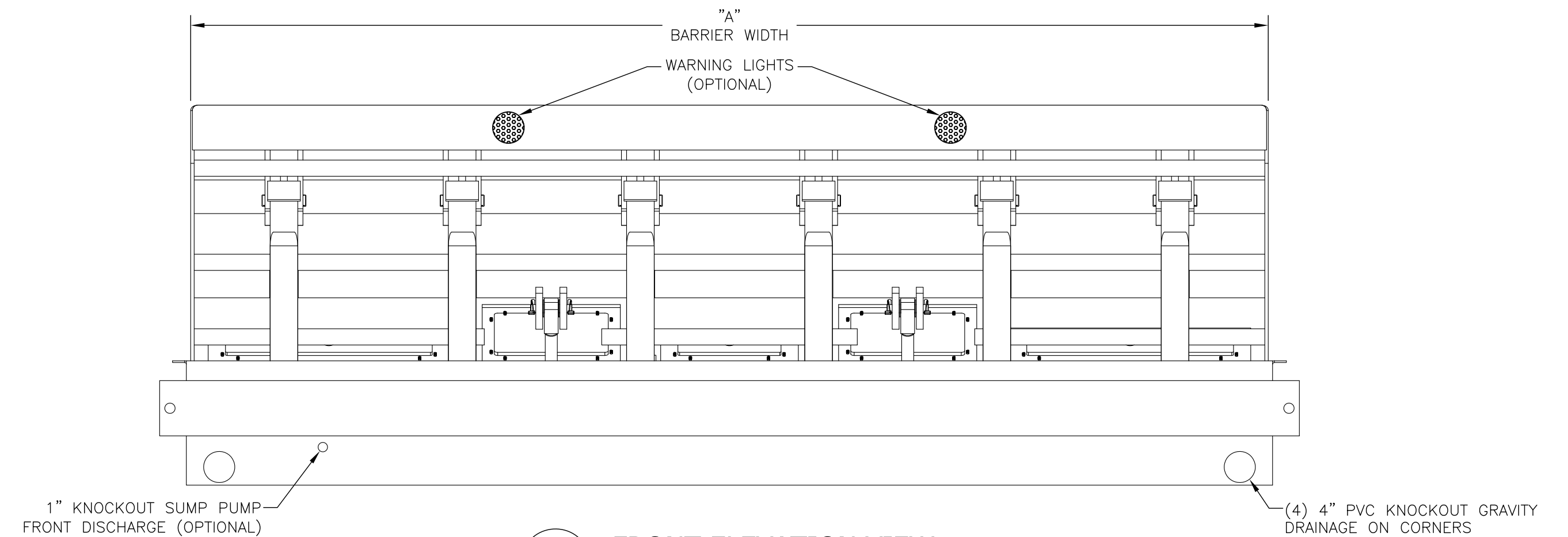
1 PLAN VIEW  
SCALE: NTS



A-A SECTION VIEW  
SCALE: NTS



2 SIDE ELEVATION VIEW  
SCALE: NTS



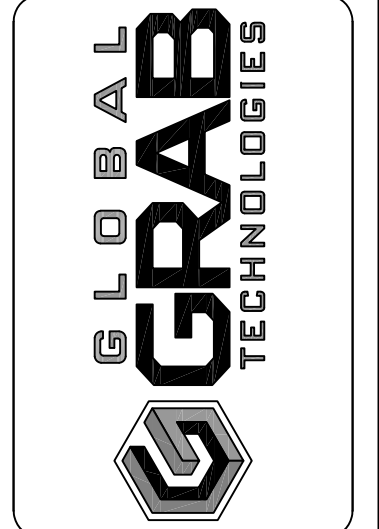
3 FRONT ELEVATION VIEW  
SCALE: NTS

NOTES	
1	13'-0" WEDGE BARRIER SHOWN FOR REFERENCE ONLY.
2	MEETS ASTM 2656-07 M50-P1 AND SD-STD-02.01 REV. A K12 STANDARDS.
3	WEDGE BARRIER IS CAPABLE OF SUPPORTING <ul style="list-style-type: none"> <li>• 40,000 AXLE LOAD</li> <li>• 26,000 WHEEL LOAD</li> </ul>

PERFORMANCE CHARACTERISTICS	
1	CAN BE MAINTAINED IN THE UP POSITION FOR 1 WEEK OR LONGER WITHOUT MAINTENANCE.
2	MAX OPERATING SPEED 1.5 SECONDS.

BARRIER WIDTHS	
DIM "A"	DIM "B"
12'-0"	12'-9"
13'-0"	13'-9"
14'-0"	14'-9"
15'-0"	15'-9"
16'-0"	16'-9"

REV	DATE	DESCRIPTION



DRAWN BY:	CMT	DATE:	01/23/2020
CHECKED BY:		SCALE:	AS NOTED
SIZE:	ANSI D	REV:	
DRAWING NUMBER:	SW1900	DRAWING NUMBER:	12-16 FT

This is a confidential document. All information contained herein is the property of Global Grab Technologies, Inc. and may be used for any purpose without the written consent of Global Grab Technologies, Inc. © Copyright 2019. Global Grab Technologies, Inc. All rights reserved. WARNING: THE EXPORT OR RE-EXPORT OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS SUBJECT TO U.S. EXPORT ADMINISTRATION REGULATIONS AND INTERNATIONAL TRADE CONTROLS.

PROJECT NAME	SW1900 WEDGE BARRIER (12' THRU 16')
GENERAL ARRANGEMENT	

SHEET ID	2
SHEET--	

FOR APPROVAL  
DO NOT BUILD