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Addendum No. 1

Precast Concrete Vaults and Catch Basins for the Arrowcreek Drought Response Project

TMWA Project No. 2016-002
August 4th, 2015

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

QUESTIONS AND RESPONSES

Having reviewed the plans and specs for the subject project, I request clarification on the following items:

Question No. 1: In the specifications 03480 2.2 Utility vaults states..”all vaults shall be closed bottom”, however the mechanical details show the majority of these vaults to have either open sumps (2’ x2’ w/ grate) and sloped to the sump, or 2’ x 2’ x1’ deep closed sump w/grate. Details indicate that these are to be saw cut. Due to the wording in the specs, is it to be assumed that these vaults be manufactured and supplied with closed bottoms and the sumps will be installed in the field by the contractor ?

Response to Question No. 1: Correct. The manufacturer vaults will be closed bottom and the sumps will be cored or poured by the Contractor.

Question No. 2: Hatches : In section “D” (1): Saf-T-“Grate type grating style fall protection shall be provided on all access hatches unless shown otherwise”. The vault descriptions per 03480-1 designate the requisite hatches for the various vaults, however Fall Protection is only called out for the 6’ x 6’ x 10’-6” surge tank vaults. Does this mean that these are the only two hatches need fall protection?

Response to Question No. 2: Delete Saf-T –Grates from the specification. These will not be required and the grates for the Surge Tank Vaults will be fabricated and installed by the Contractor.

Question No. 3: Vault dimensions: Are the heights of these vaults as called out measured from the inside floor to top of wall, or from the outside of the inside floor to the top of wall? (the dimensions shown for the 6 x 8 vault show the outside vertical dimension of our standard 687 vault). Please clarify.

Response to Question No. 3: Dimensions for the design are based on Jensen Standard Cut-Sheets, please see attached.

Question No. 4: At the end of the bid item summary, it asks if a crane will be needed; This question is difficult to answer with a “yes” or “no” answer; Depending upon your answers to question 1, the 6 X 8 X 7’-8” vaults will probably need to be set with a crane, however most of the others can probably be set with a boom truck depending upon access and site conditions.

Response to Question No. 4: Please let us know if the answer to Question 1 gives you enough information to answer the crane question.

Question No. 5: In your Specifications 03480-5 Under Ladder Options Paragraph 1a (Internal Ladders) the specification states: "For Ladders less than 15' depth, install a Head Hazard Deflector Plate" (Please see attached document).

We are not familiar with that item. Could you please provide a detail for such? Where can these be obtained.

Response to Question No. 5: Deflector Plates are metal or plastic plates placed on protruding potential hazards within 30 inches of the centerline of the rungs or cleats. The plates are to be installed at an angle of 60 degrees from the horizontal as indicated in figure D-5 attached.

MODEL 6060-U

60" INSIDE WIDTH X 60" INSIDE LENGTH

APPROX. WT.
2700 lbs.

APPROX. WT.
825 lbs. (6") OR
1650 lbs. (12")

OPTIONAL
6" OR
12" RISER

BOX DESIGN LOAD:
H2O TRAFFIC

FOR COMPLETE DESIGN
AND PRODUCT INFORMATION
CONTACT JENSEN PRECAST.

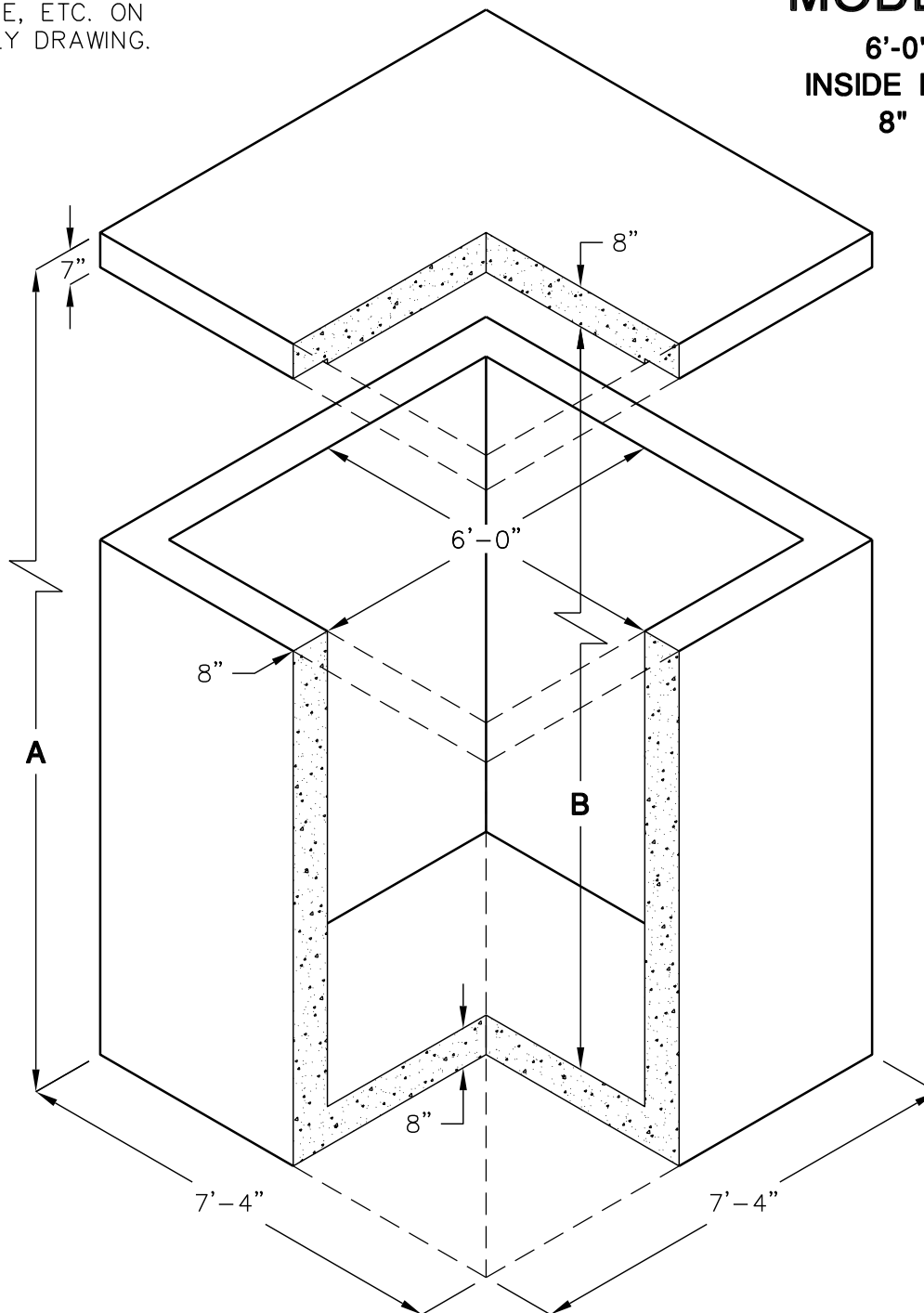
SEE ACCESSORIES SECTION
FOR ACCESS OPENINGS AND
HARDWARE APPLICATIONS.

MODEL	A	B	INSIDE VOLUME		APPROX. WT.
6060U-48	4'-0"	4'-6"	100 CU. FT.	748 GAL.	9300 LBS.
6060U-60	5'-0"	5'-6"	125 CU. FT.	935 GAL.	10950 LBS.
6060U-72	6'-0"	6'-6"	150 CU. FT.	1110 GAL.	12600 LBS.

DETAIL ACCESS, OPENINGS,
HARDWARE, ETC. ON
BUTTERFLY DRAWING.

MODEL 66-U

6'-0" x 6'-0"
INSIDE DIMENSIONS
8" WALLS



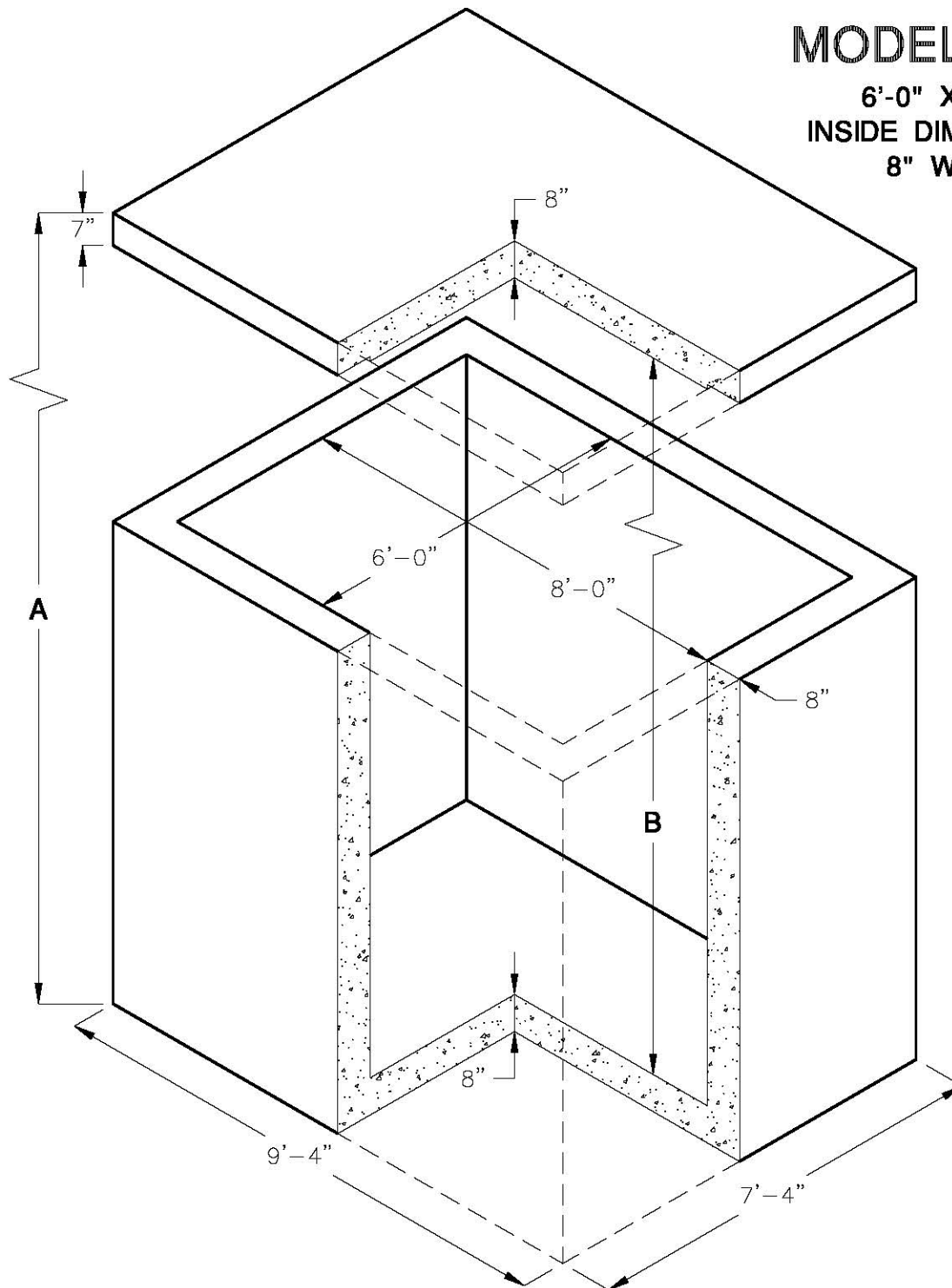
MODEL	A	B	INSIDE VOLUME		APPROX. WT.
66-6-U	7'-3"	5'-11"	217 CU. FT.	1623 GAL.	28600 LBS.
66-7-U	8'-3"	6'-11"	255 CU. FT.	1907 GAL.	31300 LBS.
66-8-U	9'-3"	7'-11"	293 CU. FT.	2191 GAL.	34100 LBS.

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AND PRODUCT INFORMATION
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SEE ACCESSORIES SECTION
FOR ACCESS OPENINGS AND
HARDWARE APPLICATIONS.

MODEL 68-U

6'-0" X 8'-0"
INSIDE DIMENSIONS
8" WALL



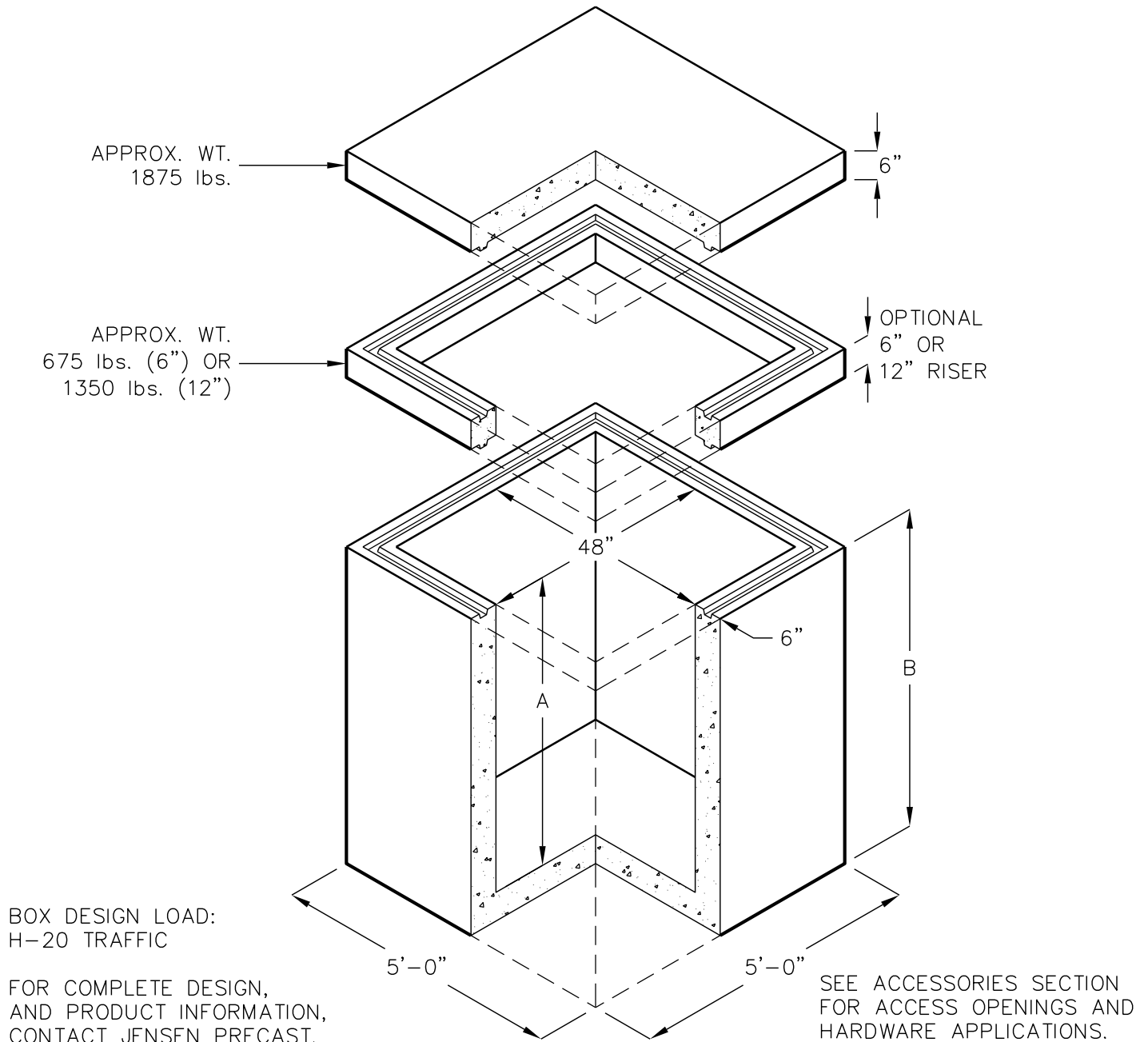
MODEL	A	B	INSIDE VOLUME		APPROX. WT.
68-6-U	7'-3"	5'-11"	288 CU. FT.	2154 GAL.	25413 LBS.
68-7-U	8'-3"	6'-11"	336 CU. FT.	2513 GAL.	28500 LBS.
68-8-U	9'-3"	7'-11"	384 CU. FT.	2872 GAL.	31587 LBS.

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SEE ACCESSORIES SECTION
FOR ACCESS OPENINGS AND
HARDWARE APPLICATIONS.

MODEL 4848-U

48" INSIDE WIDTH X 48" INSIDE LENGTH



MODEL	A	B	INSIDE VOLUME		APPROX. WT.
4848U-48	4'-0"	4'-6"	64 CU. FT.	474 GAL.	3900 LBS.
4848U-60	5'-0"	5'-6"	80 CU. FT.	592 GAL.	8625 LBS.
4848U-72	6'-0"	6'-6"	96 CU. FT.	710 GAL.	9975 LBS.

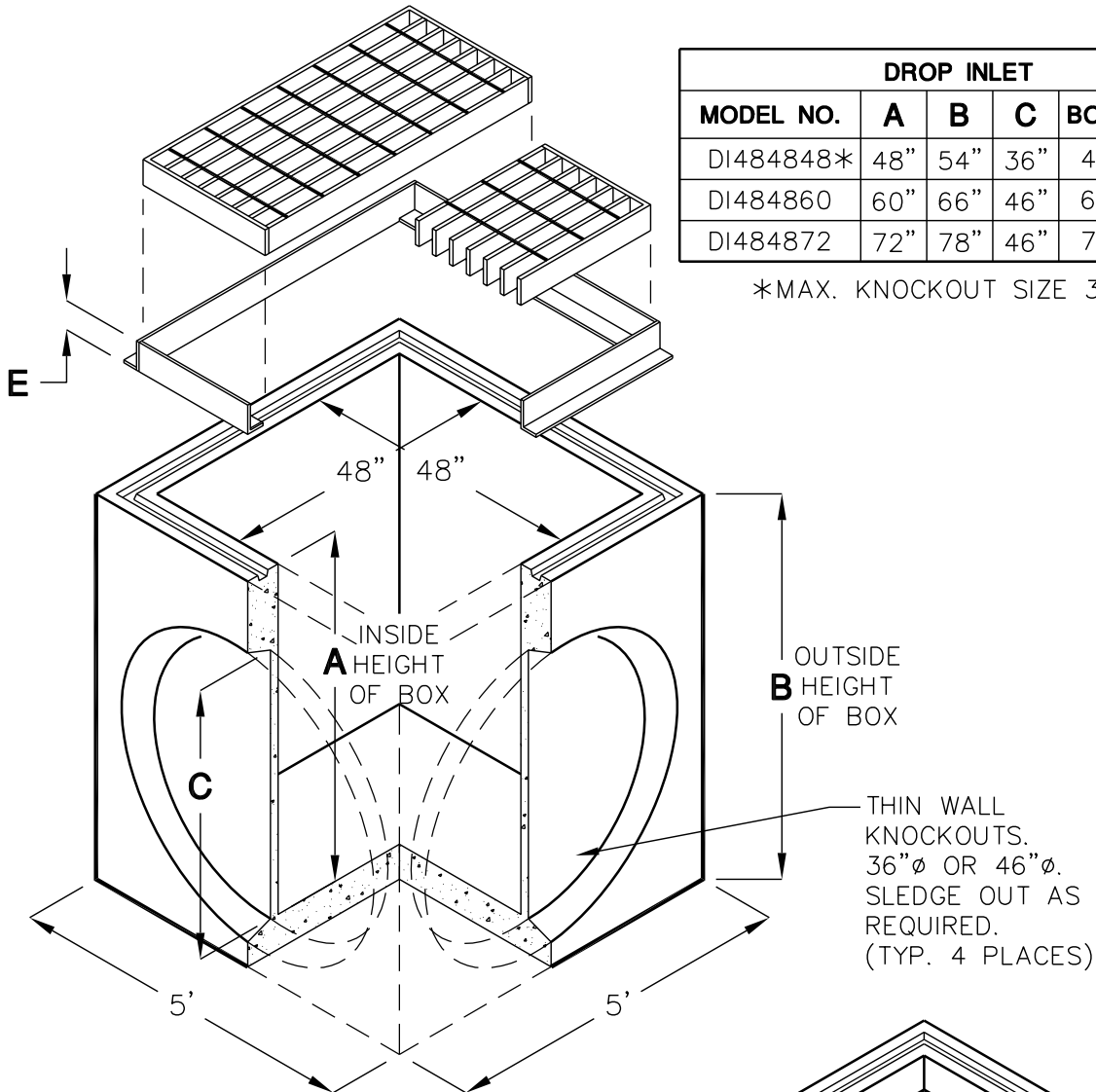
48"x48" DROP INLET

UP TO 6'-0" INSIDE DEPTH

FRAME AND GRATE			
MODEL NO.	RATING	E	WEIGHT
FG4848P	PEDESTRIAN	1 1/2"	242 LBS.
FG4848I	TRAFFIC	5"	1000 LBS.

DROP INLET				
MODEL NO.	A	B	C	BOX WEIGHT
DI484848*	48"	54"	36"	4995 LBS.
DI484860	60"	66"	46"	6433 LBS.
DI484872	72"	78"	46"	7872 LBS.

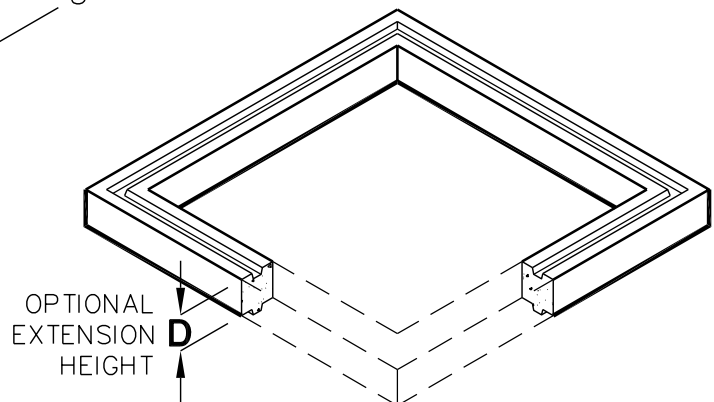
*MAX. KNOCKOUT SIZE 36"Ø.

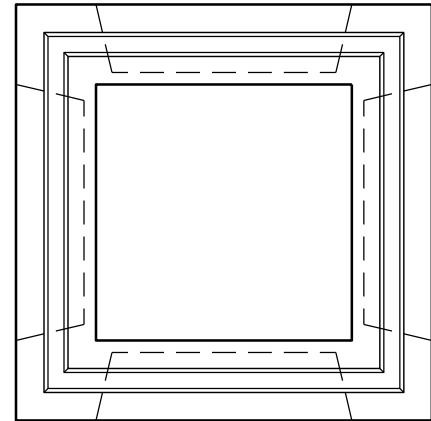
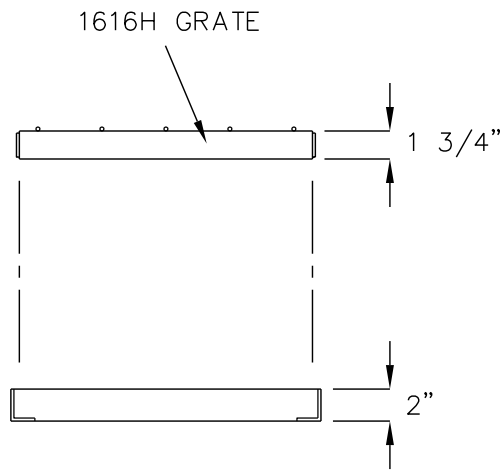


EXTENSION		
MODEL NO.	D	WEIGHT
RS484806	6"	675 LBS.
RS484812	12"	1350 LBS.

BOX
DESIGN LOAD:
H-20 TRAFFIC

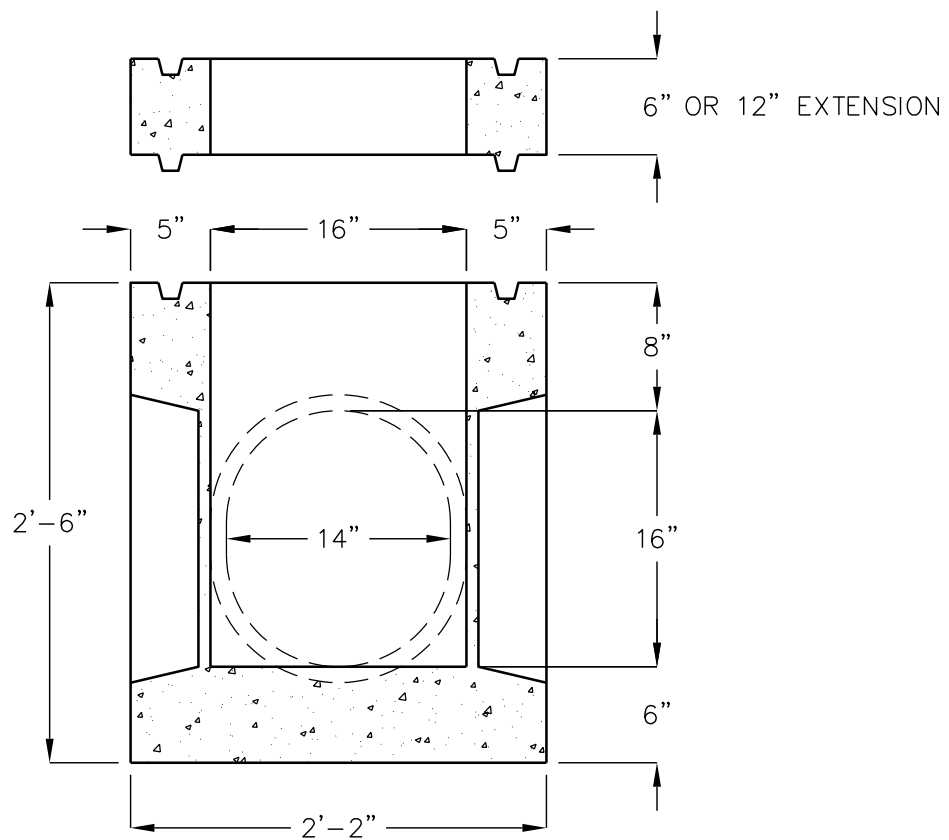
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**1616H GALVANIZED
FRAME AND GRATE**

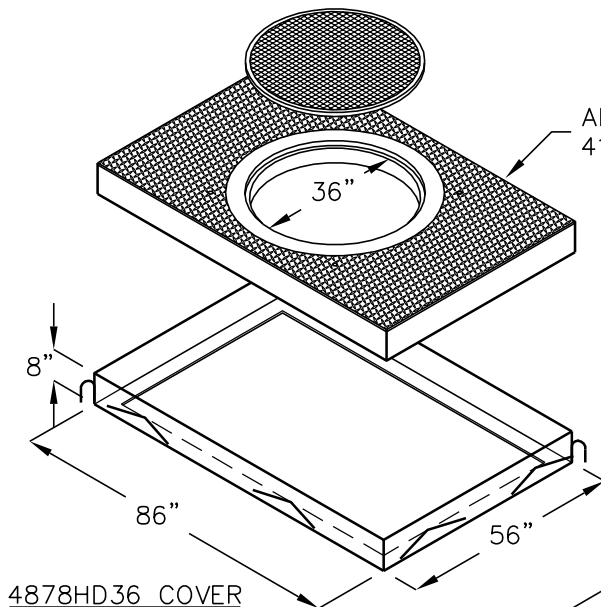
TOP VIEW
WITH GRATE
REMOVED



1616 D.I. BOX

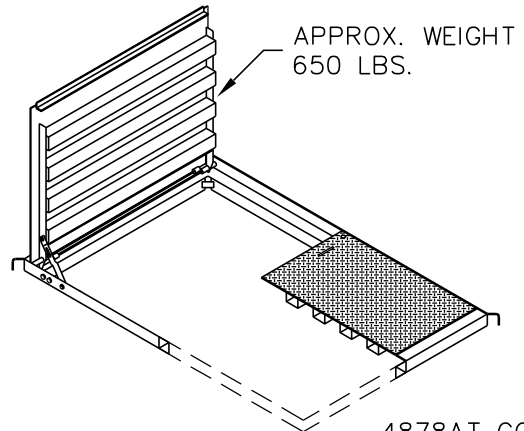
MODEL 4878-U

FULL AND INCIDENTAL TRAFFIC COVER OPTIONS
4'-0" X 6'-6" X 3'-0" I.D.
(NOMINAL DIMENSIONS)



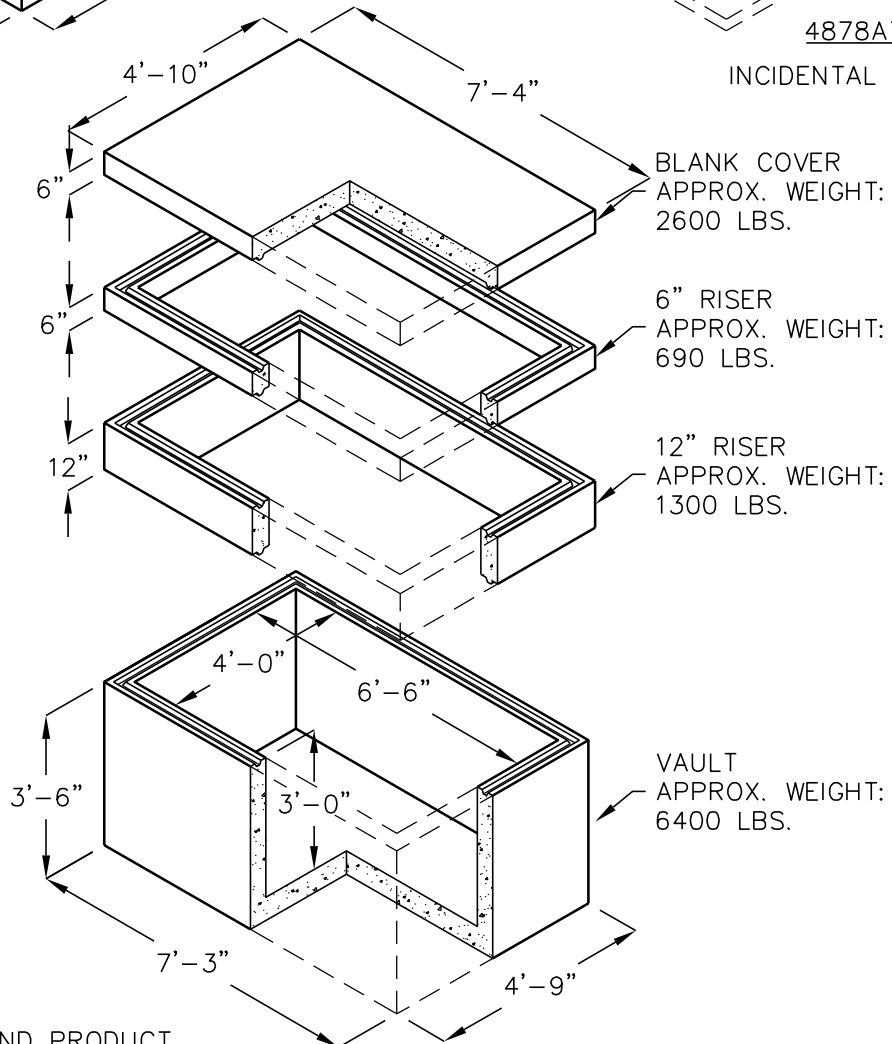
4878HD36 COVER
H-20 TRAFFIC

APPROX. WEIGHT
4100 LBS.



APPROX. WEIGHT
650 LBS.

4878AT COVER
INCIDENTAL H-20 TRAFFIC



BLANK COVER
APPROX. WEIGHT:
2600 LBS.

6" RISER
APPROX. WEIGHT:
690 LBS.

12" RISER
APPROX. WEIGHT:
1300 LBS.

VAULT
APPROX. WEIGHT:
6400 LBS.

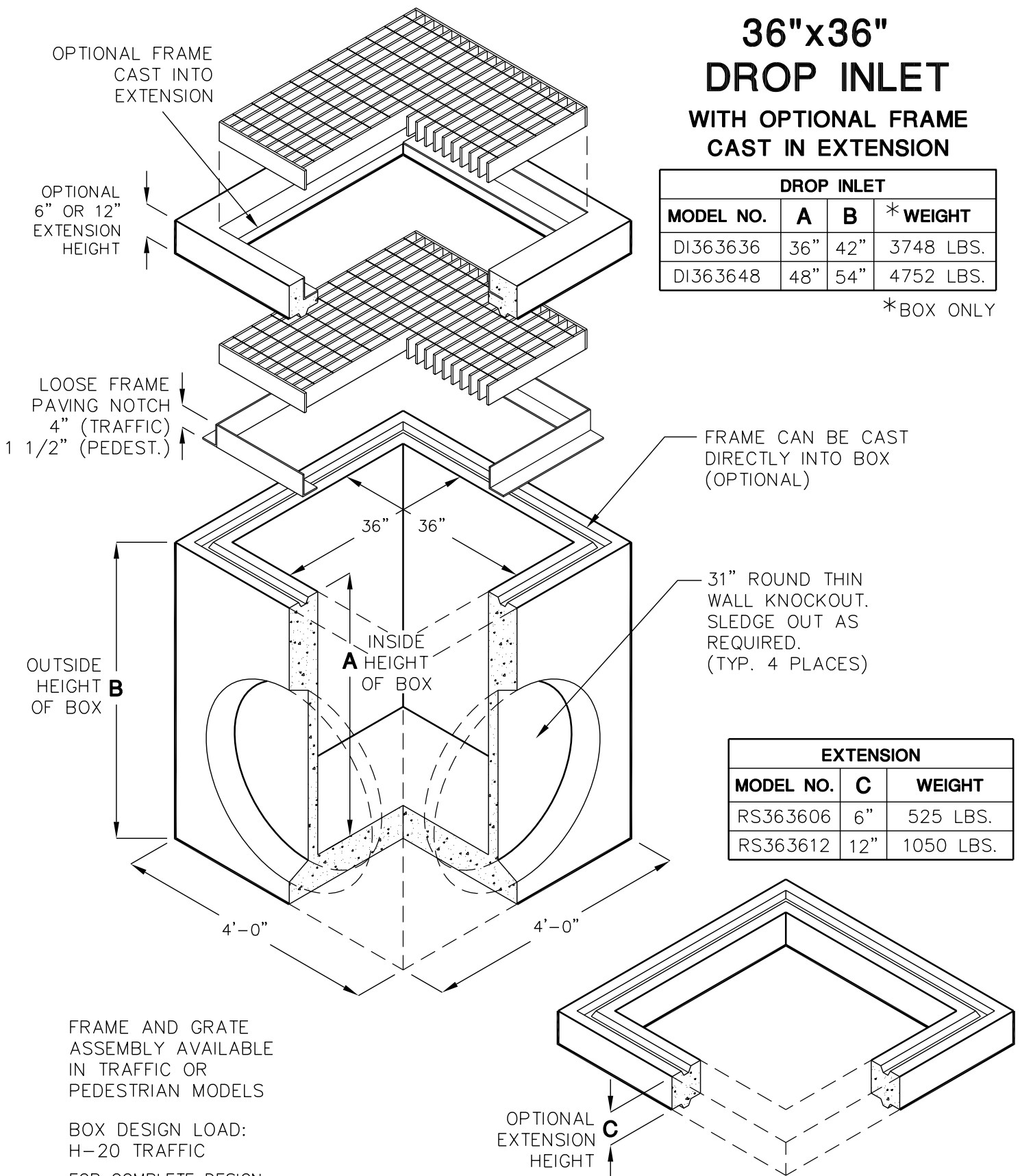
FOR COMPLETE DESIGN AND PRODUCT
INFORMATION, CONTACT JENSEN PRECAST.

36"x36" DROP INLET

WITH OPTIONAL FRAME
CAST IN EXTENSION

DROP INLET			
MODEL NO.	A	B	* WEIGHT
DI363636	36"	42"	3748 LBS.
DI363648	48"	54"	4752 LBS.

*BOX ONLY



FRAME AND GRATE
ASSEMBLY AVAILABLE
IN TRAFFIC OR
PEDESTRIAN MODELS

BOX DESIGN LOAD:
H-20 TRAFFIC

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AND PRODUCT INFORMATION,
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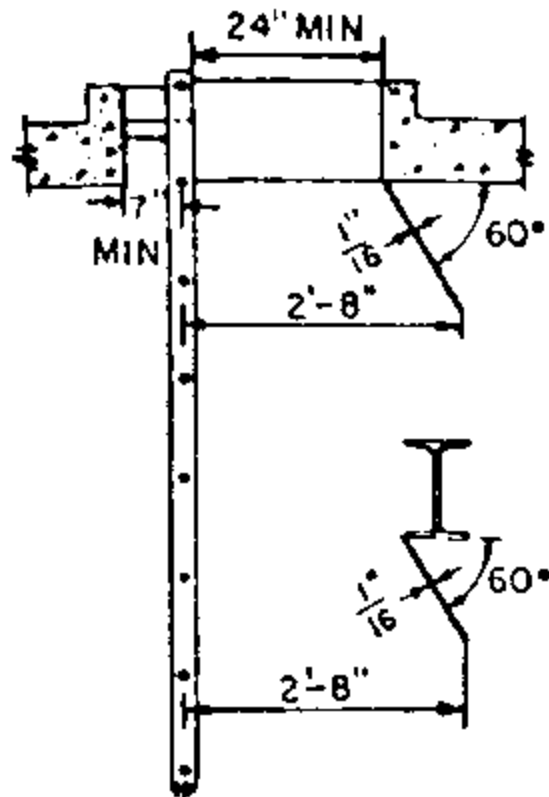


FIGURE D-5.—Deflector Plates for Head Hazards