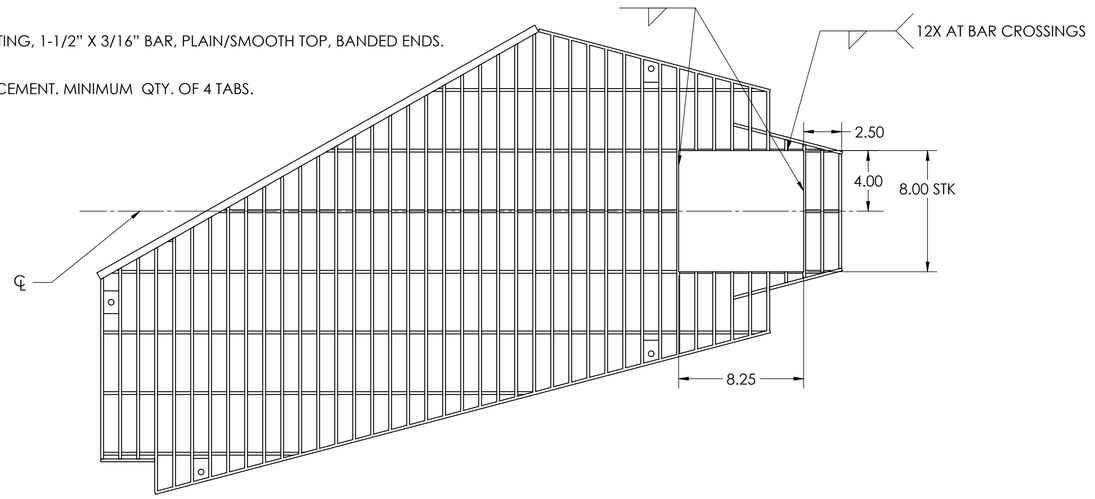
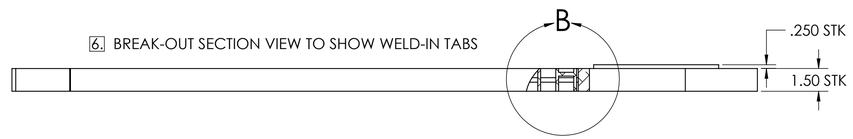
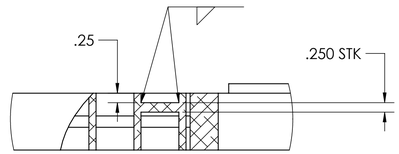
DWG NO. 680-CM0013 | SH 1 | REV A

REVISION HISTORY				
REV	DESCRIPTION	DATE	EC	APPROVED
A	INITIAL RELEASE	12/05/2022	91920	AV

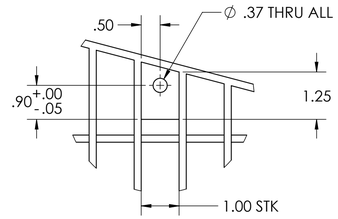
NOTES: UNLESS OTHERWISE SPECIFIED.
1. THIS DRAWING IS GENERATED FROM A 3D CAD MODEL. ANY CHANGES ARE TO BE IMPLEMENTED IN THE ORIGINAL 3D FILE.
2. DO NOT SCALE DRAWING.
3. MATERIAL: MAKE FROM ROBERTSON GRATING: 19SG4, ALUMINUM SWAGE-LOCK GRATING, 1-1/2" X 3/16" BAR, PLAIN/SMOOTH TOP, BANDED ENDS.
4. SURFACE TREATMENT: STOCK
5. DIMENSIONAL LIMITS APPLY AFTER SURFACE TREATMENT, IF APPLICABLE.
6. WELD-IN TAB QTY. AND LOCATION FOR REFERANCE ONLY. FIELD FIT TABS FOR BEST PLACEMENT. MINIMUM QTY. OF 4 TABS.



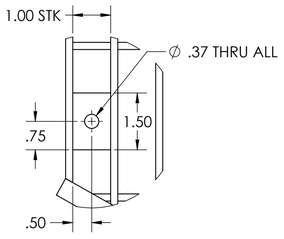




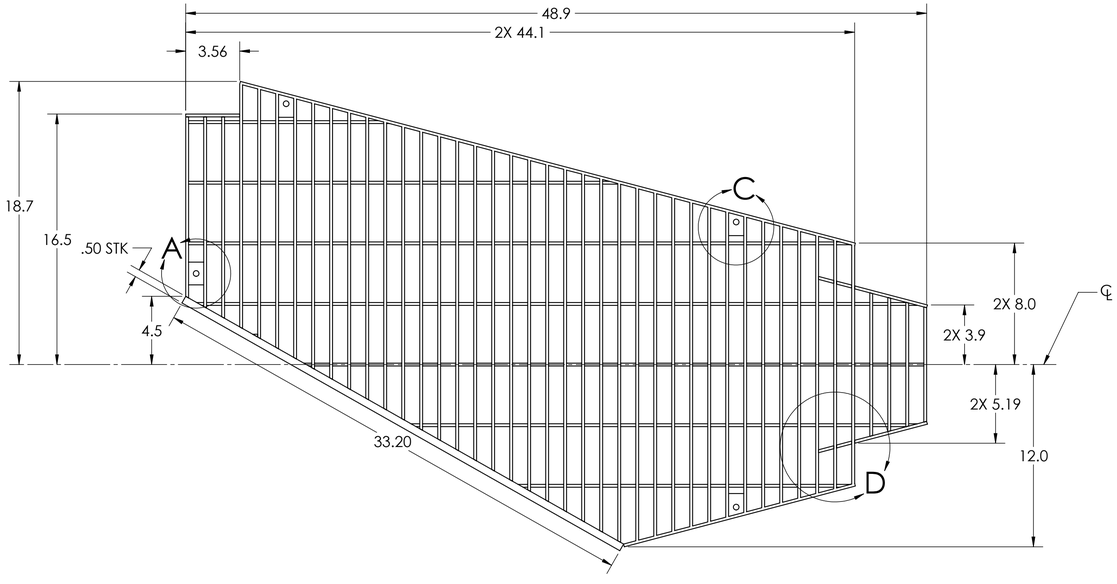
DETAIL B
SCALE 1 : 2

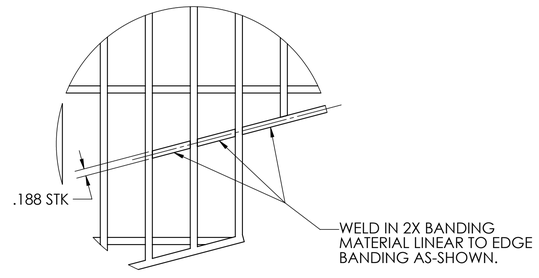


DETAIL C
SCALE 1 : 2
3 PLACES



DETAIL A
SCALE 1 : 2





DETAIL D
SCALE 1 : 2
2 PLACES

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RELEASED

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680-CM0010	
NEXT ASSY	

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE .X ± .5° X. ± 1.0°
1 PL ± .1 2 PL ± .03 3 PL ± .010
INTERPRET DIM AND TOL PER ASME Y14.5-2018

64

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.100-2017

BREAK ALL SHARP EDGES, NO BURRS PERMITED, .020" CHAMFER/RADIUS MAX.

LAST EDIT BY	DATE
A.VANDENBERG	12/5/2022
CREATED BY	DATE
A.VANDENBERG	10/27/2022
ENGINEERING APPROVER	DATE
J.PAYNE	12/05/2022
RELEASE APPROVER	DATE
T.WOLD	12/05/2022

W. M. KECK OBSERVATORY
65-1120 MAMALAHOA HWY
KAMUELA HI 96743
(808) 885-7887

TITLE
HYDRAULIC HOSE BYPASS GRATE, AZIMUTH CABLE WRAP

SIZE	DWG NO.	REV
D	680-CM0013	A

SCALE 1:5 | WEIGHT 28.2 lbs. | SHEET 1 OF 1