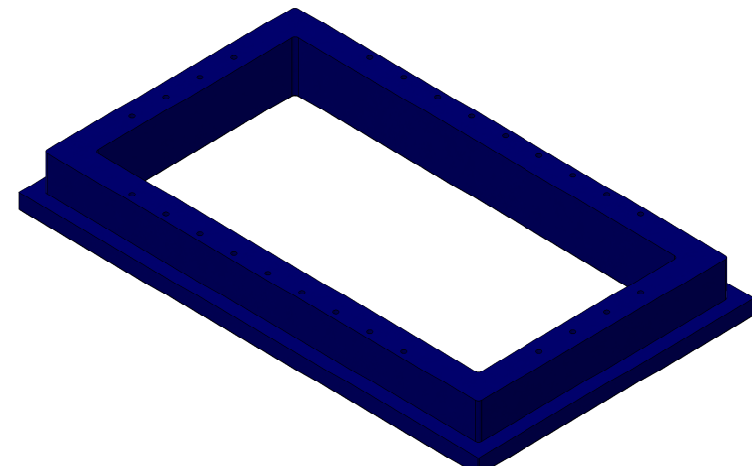
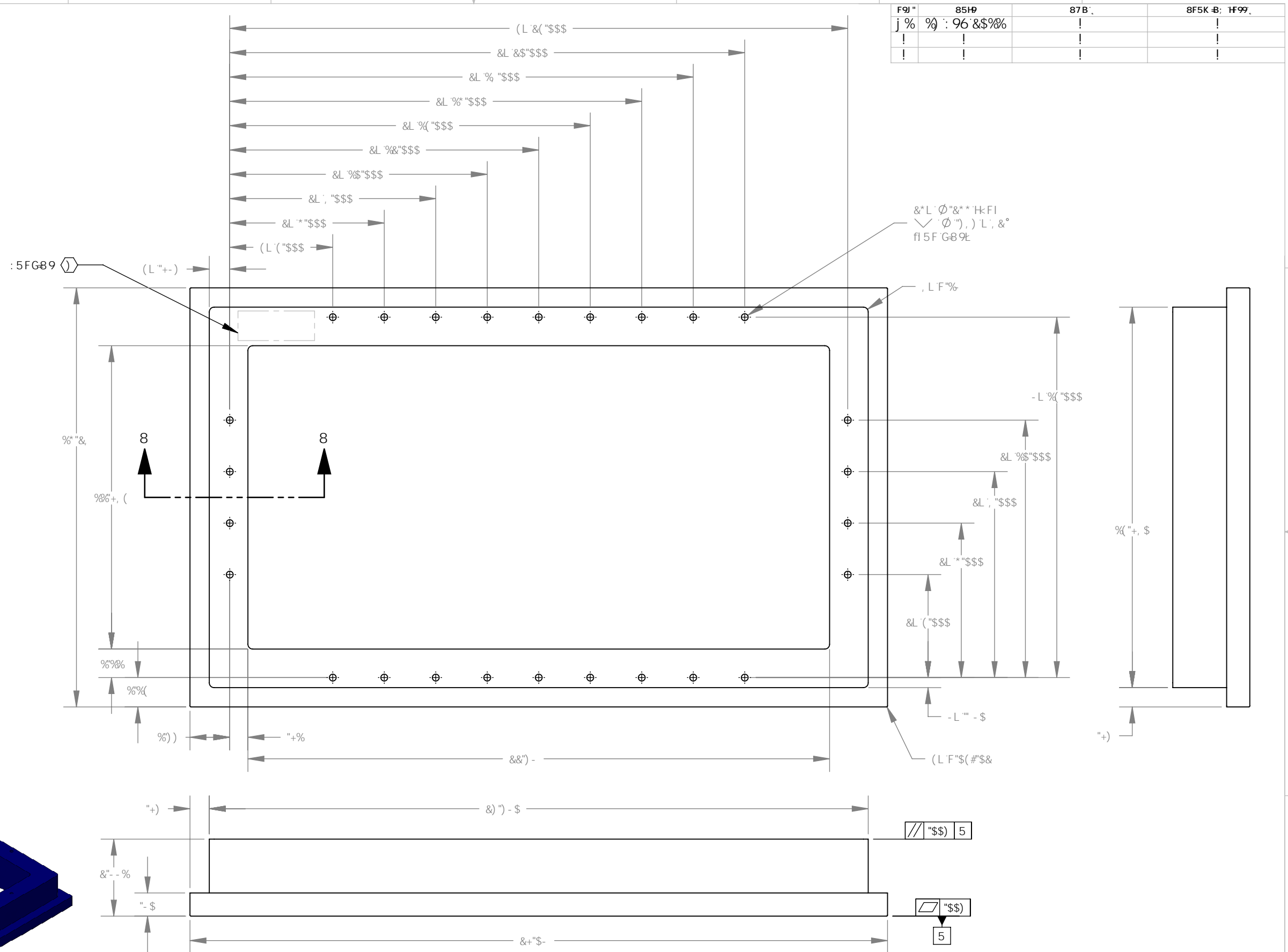


BCHG7CBHBI 98.
 G7F69Z9B; F5J92CFA 97<5B75@G5A D1BC B? CF 8M9L8F5K B;
 D5FHBI A 69F2F9J GC B2I G9827<5A 69F CB BCH98 Q F: 579C: D5FH
 C@C K 98 C B H 9 @ B 9 K H: 5 H: F99 8 H: G9F 5 @ B I A 69F G9F 5 @ B I A 69F G
 G5FH5H5\$: CF H 9: FGH5FH7 @ 5B8 DFC 7 998 7 C B G97 I H 9 @ M I G9
 A B A I A \$%< < < 7 < 5F57 H9F G2 I B @ G9H 9 G9 C: H 9 D5FH8 7 H6H9
 GA 5 @ 9 F 7 < 5F57 H9F G 5 J 6F5HC FMHC @ A 5M69I G98
 9L5A D @ 9 8 L L L L L L L J M H M D 9 L L L Z G B L L L Z G F & < 5 A) ! @ %
 5DDFCLA 5H9K 9 < H1' + * & @ 6
 * 5 @ 5 D5FH6G: 5 @ 69A 5B1: 57H F98 B 577CF85B79K H:
 @ C @ 97 > 7 5HC B 9S: S\$ ' (*
 * 5 @ A 5HF 5 @ GHC 69J F: B A 5HF 5 @ T Y " BC K 9 @ F9D5FG
 D @ : GCF F97 M @ 98 A 5HF 5 @ BC F9D5FGG: 5 @ 69A 589I B @ 9G
 5DDFCJ 98 B 58J 5B7 9Z5B8 B K F H B: Z6M @ C @ 56CF5HC FM
 F9 9F HC @ C19S: S\$ ' (*
 * Q F: 579: B 6: HC 695QDFC 7 9CG98: FCA A @ 9Q DD @ 9F2: F99: FCA
 G7F5H7 < 9GCF: C I: 9G

F9J "	85H9	87B:	8F5K B: HF99,
j %	% : 96 & \$ % %	!	!
!	!	!	!
!	!	!	!



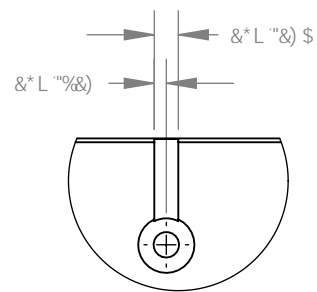
BCHG5B8 HC @ F5B7 9G fl B @ GCH: 9FK 49Q97 = 98L

8A 9BGC BG5F9 B	% B H F D F 9 H B F 5 K B: D9F 5CA 9M() 1% - (" & F9A C J 9 5 @ G 5FD 98: 9G2 "\$ \$) I \$ % " : C F A 57 < 4 98 D5FHG F C I B 8 5 @ 98: 9G 5DDFCLA 5H9M F " S & : C F G 99HA 9H @ D5FHG " " B C B C H G 7 5 @ 9: F C A 8 F 5 K B : (" 5 @ 9 A 57 < 4 B B : : @ B G A I Q 1 6 9 : 1 @ M G B H : 9 H 7 2 : 1 @ M K 5 H F G C @ 6 @ 5 B 8 : F 9 9 C : Q @ I F 2 G @ 7 C B 9 2 5 B 8 7 < @ F B 9	LIGO 75 @ CFB 5 B G H H 9 C: H 97 < BC @ : M A 5 G 6 7 < I G H G B G H H 9 C: H 97 < BC @ : M	D5FH5A 9 C i h i h: UfUXUm @ Uhc f Gd UW f f k 5 A) ! @ %		
HC @ 9 F 5 B 7 9 G LL : ± \$ \$) LLL : ± \$ \$)	A 5HF 5 @	58J 5B7 98 @ C B 9 L H 5 G G M	89G: B 9F A T I N \$ (: 96 & \$ % % 8F5: H F A T I N \$ + : 96 & \$ % % 7 < 97 ? 9 F 5DDFCJ 5 @	6 8 % / \$ \$ & \$, G 7 5 @ 9 % (DFC > 97 H C B .	F9J " j %

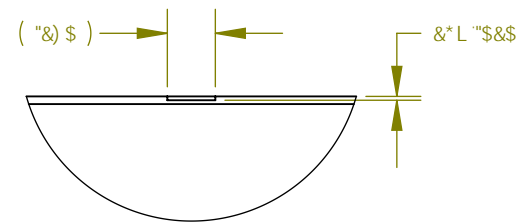
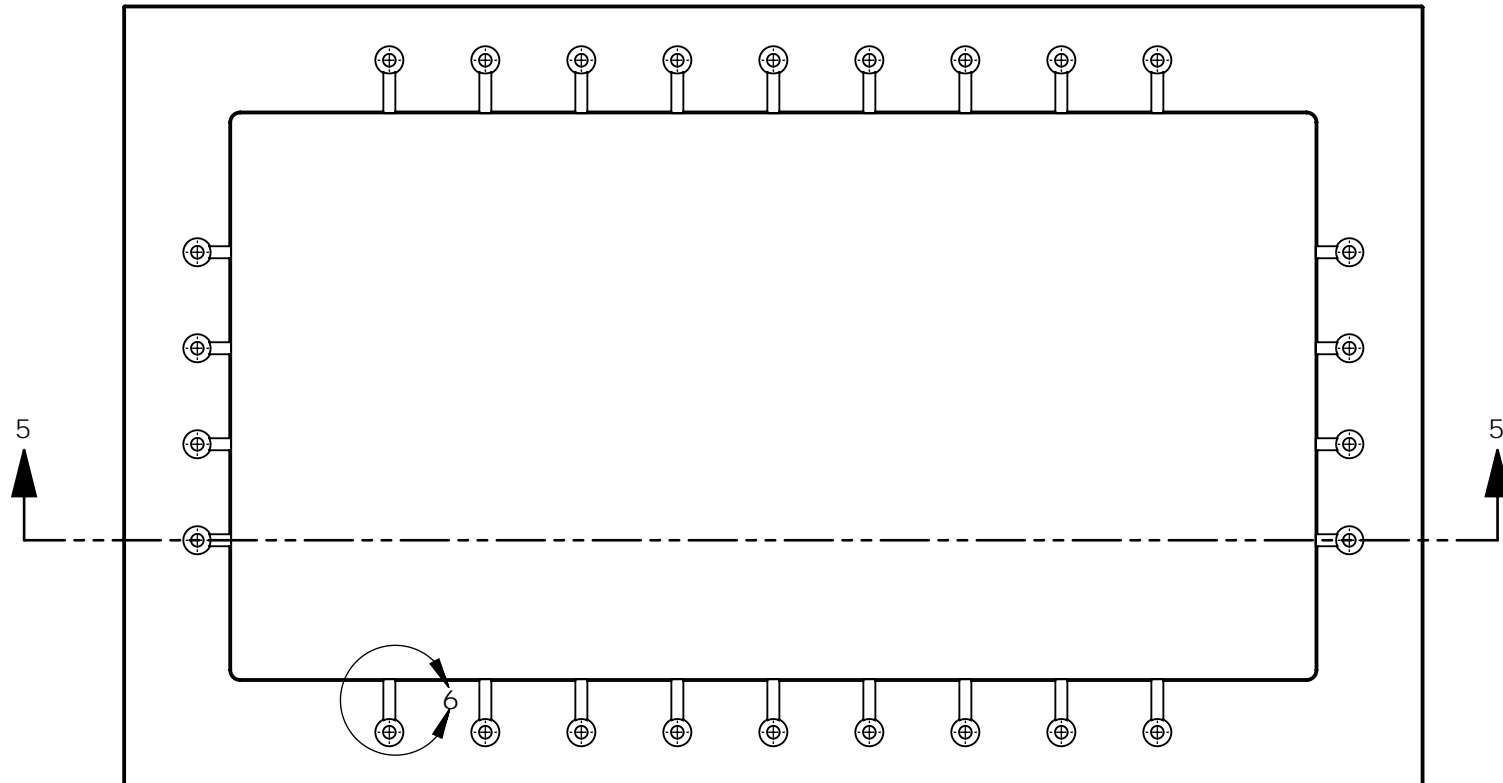
5B: I @ 5 F ±) * * \$ * % H * 5 σ b W M 8 \$ - \$ \$ () * G < 99 H % C : &

8 % \$ & \$ & \$, S 5 @ : C 5 5 C G S C i h i h: UfUXUm @ Uhc f Gd UW f f k 5 A) ! @ % Z D 5 F H D 8 A F 9 J . L I \$ \$ (Z 8 F 5 K B : D 8 A F 9 J . L I \$ \$ (

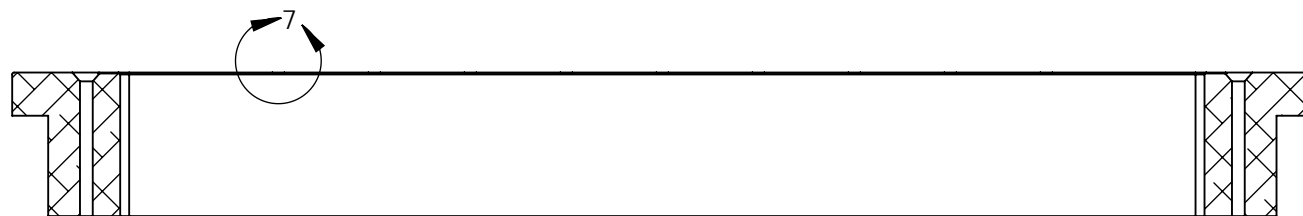
8%\$\$\$, S5 @: C S5C GSC | hdi | h: UFUXUm@: Uht fcdUWYffk5A)!@#ZD5FHDBA 'F9J . LI\$\$ (Z8F5K -B; 'D8A F9J . LI\$\$ (



8.915 @ 6'
7.5 @ 9' . &



8.915 @ 7'
7.5 @ 9' . %



G97 HC B '5'15

LIGO 75@CFB-5-BG#H HPC: 1#7<BC@: M
A 5G57 <1 G#G-BG#H HPC: 1#7<BC@: M

G#P BK; "BC"	F9J "
6	j %
G75@% (DFC>97 HCB.	G<99H&C: &