

Job Name: 25-1664 Springfield WWTP
Job Location: Springfield, TN
Contractor: Smith Contractors, Inc.

PC: C. Goff
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: OCS (Detention Pond)

Spec: Storm
 Type: BX 8inW, 8inF
 Size: 48" x 48"

Rim: 514.5'
 Invert: 511.5'
 Rim to Invert: 3'

Sump: 0"
 Floor (Top): 511.5'
 Floor Height: 8"

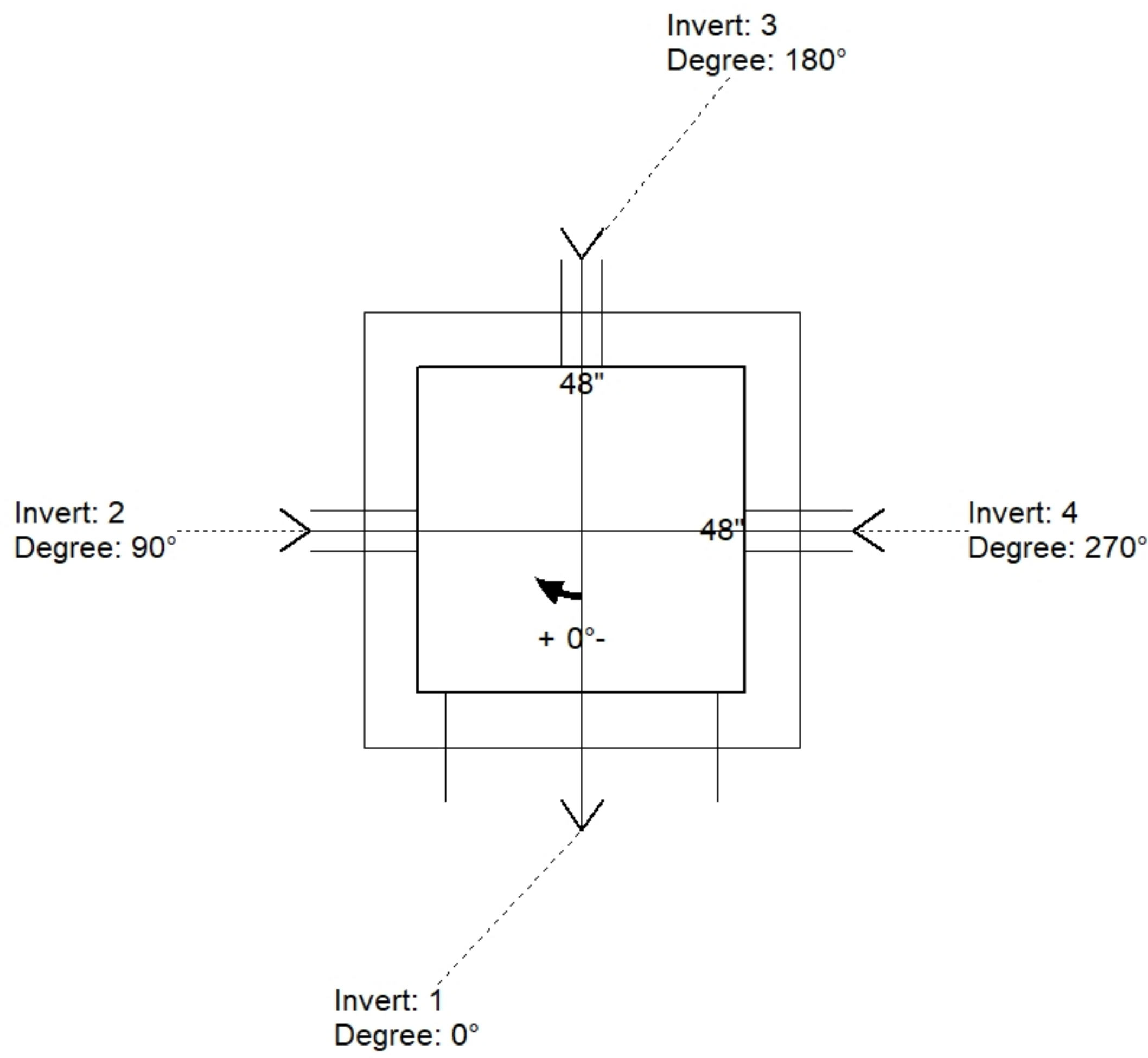
Floor (Bot): 510.833'
 Overall Height: 3.667'
 Slack: 0"

Structure Notes:

- TRASHRACK LFG-4848-P PROVIDED BY ICAST.
- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- REINFORCING PER ASTM A615 (GRADE 60).
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

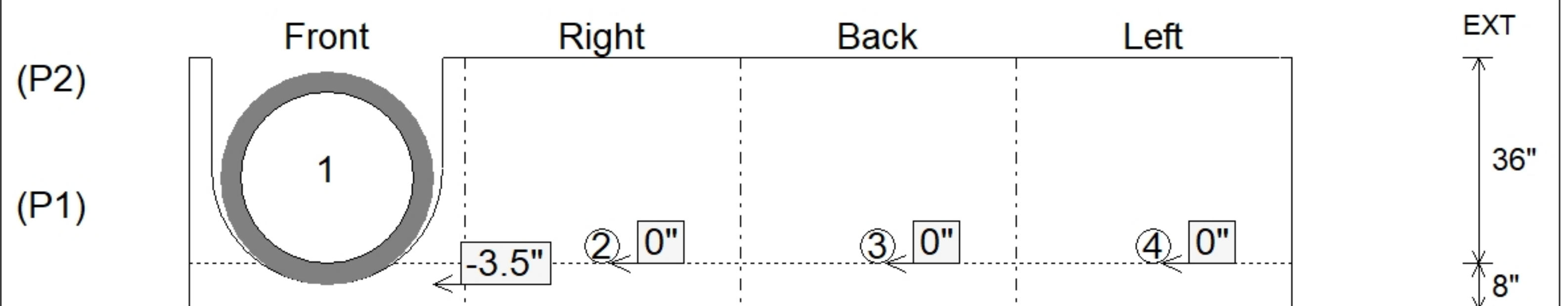
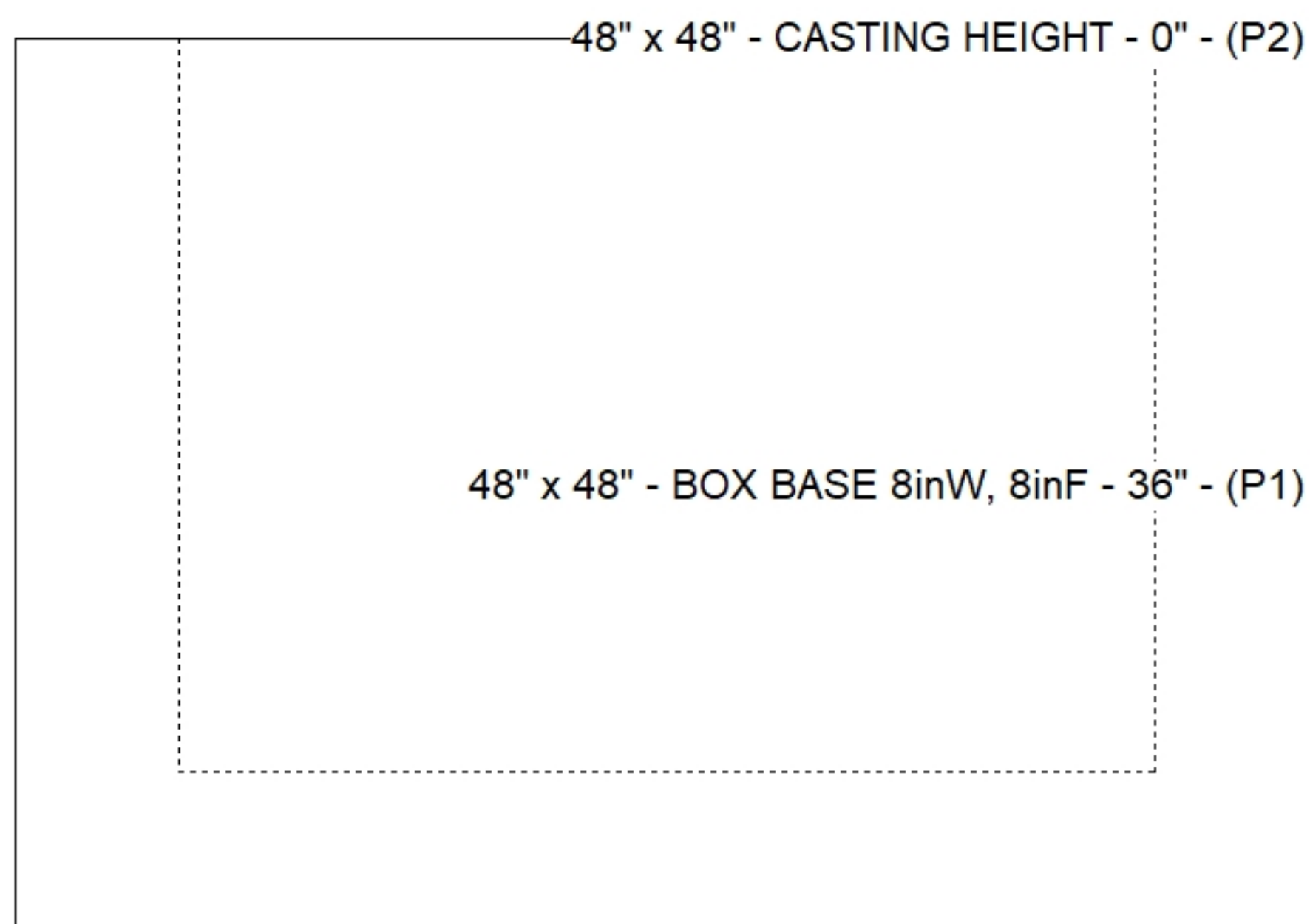
STRUCTURE SUMMARY:

P2) 48" x 48" - CASTING HEIGHT - 0"	0 lb
P1) 48" x 48" - BOX BASE 8inW, 8inF - 36"	7161 lb
1) CASTING - TRASHRACKS LFS-4848-P SQ. Flush Mount Grate	289 lb
1) 48" x 48" - Conseal CS-102 1.00"	0 lb
1) DOGHOUSE INVRTD - 40"x40"	0 lb
3) Orifice - 6"	0 lb
Structure Total:	7450 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	514.5'							
Reducer								
Invert 1	511.5'	0°	30" RCP B WALL	37"	40" x 40"	DOGHOUSE INVRTD 40"x40"	-3.5"	P1
Invert 2	511.5'	90°	6" Orifice	6"	6"	Orifice 6"	0"	P1
Invert 3	511.5'	180°	6" Orifice	6"	6"	Orifice 6"	0"	P1
Invert 4	511.5'	270°	6" Orifice	6"	6"	Orifice 6"	0"	P1
Invert 5								
Invert 6								
Invert 7								
Invert 8								

Default - Interior Dimensions



Submittal Drawing
 12/18/2025 10:56:20 AM

SUBMITTAL
 APPROVED BY: