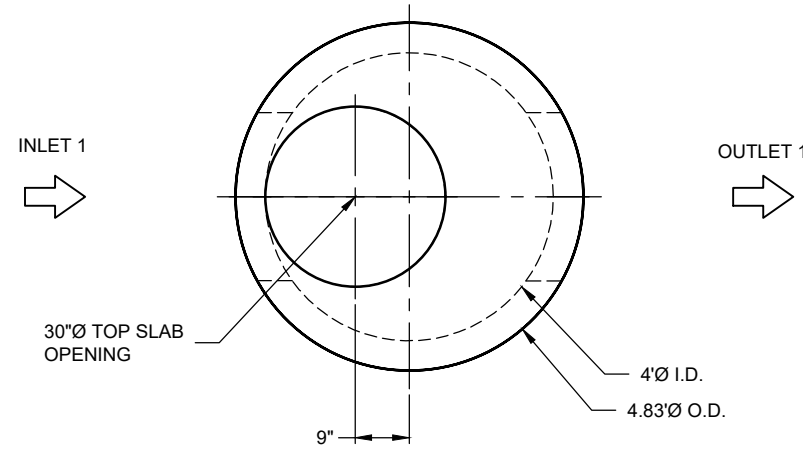
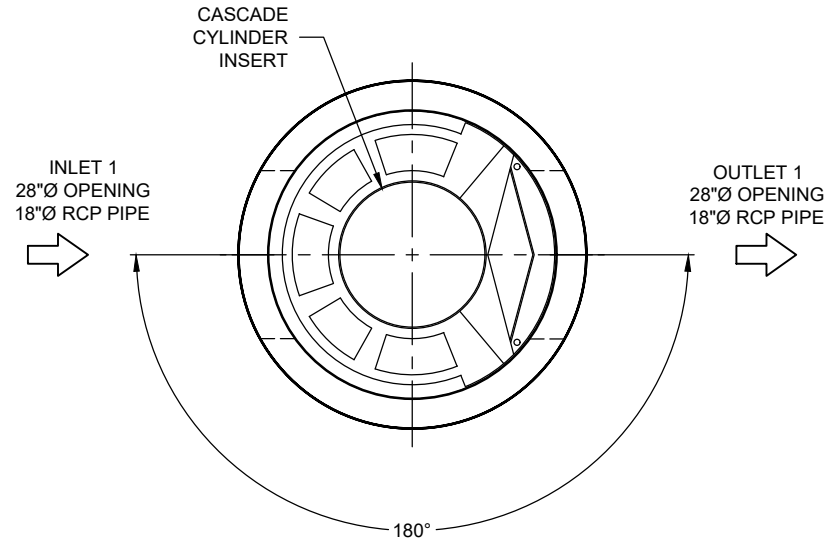


25-4266 - 772445 WaWa 7602



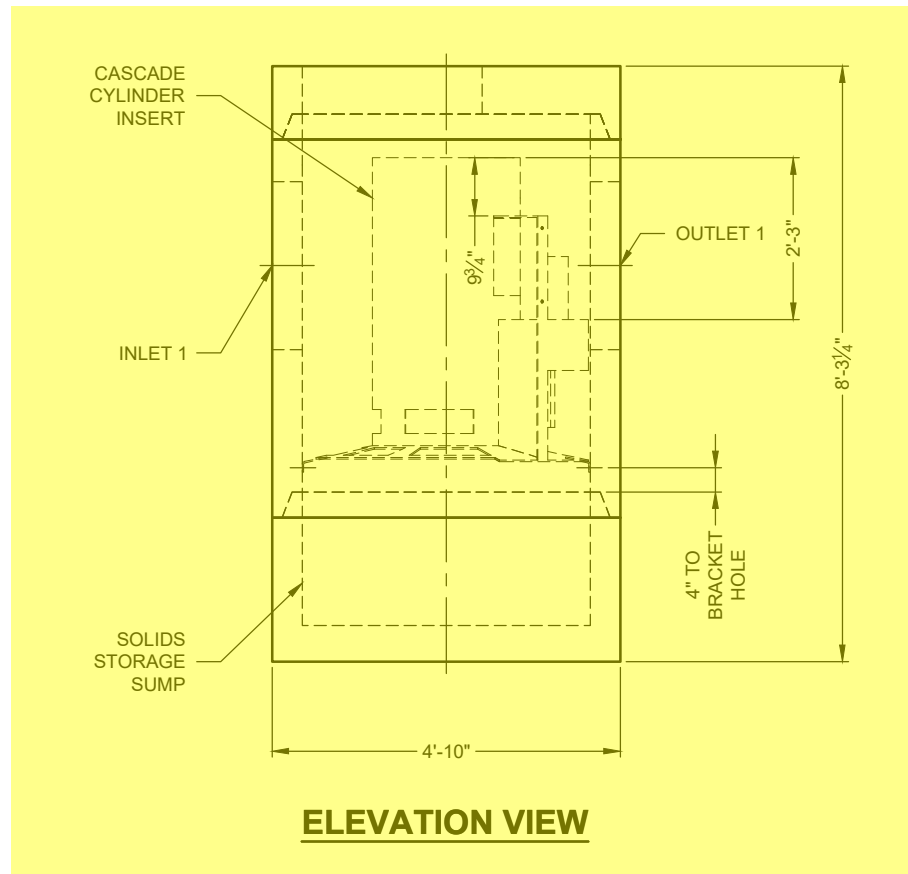
PLAN VIEW
INTERNALS NOT SHOWN



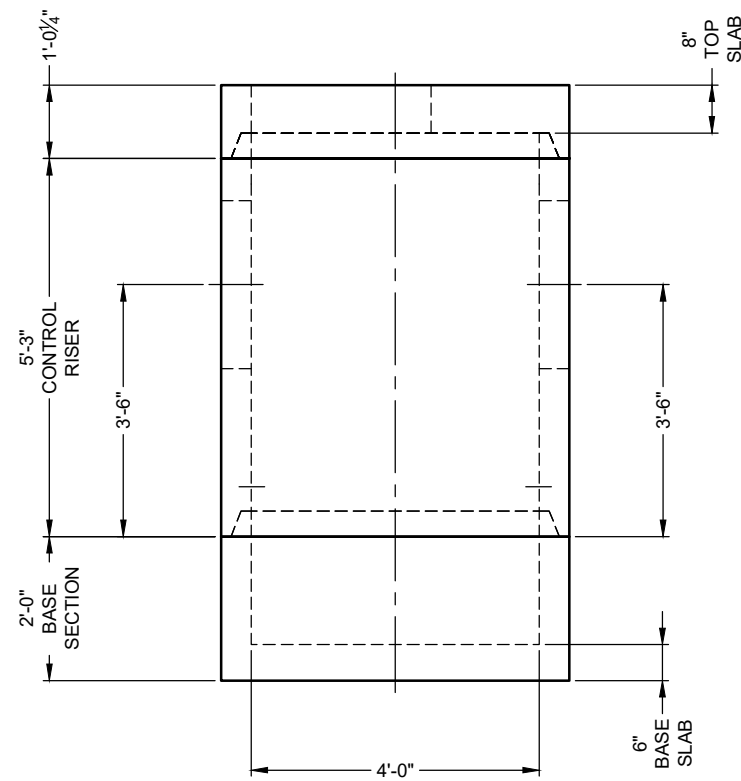
PLAN VIEW FOR PIPE ORIENTATION
TOP SLAB NOT SHOWN

10-CS-4
ICAST to fully pre-assemble
internal materials prior to shipment.

SEE INSTALLATION NOTE A



ELEVATION VIEW



PRECAST COMPONENTS
INTERNALS NOT SHOWN

ICAST
5888 / 757440
LAYOUT 1A
4.17TS

CONTECH
FABRICATION
DRAWING

MATERIAL LIST

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
1	CS-4 CYLINDER INSERT, STD.	325-003949	CONTECH	PRECASTER
4	CS-4 ALUMINUM INSTALLATION BRACKETS	325-003956	CONTECH	PRECASTER
1	CS-4 HARDWARE KIT	325-003955	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		PRECASTER	CONTRACTOR
1	30"Ø X 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

GENERAL NOTES

- DESIGN LOADING - AASHTO HS-20
- ALL PRECAST CONCRETE MANUFACTURED PARTS SHALL CONFORM TO ASTM C-478, WITH MINIMUM CONCRETE STRENGTH OF 4000 PSI AT 28 DAYS
- JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
- GROUND WATER ELEVATION ASSUMED AT OUTLET INVERT
- MANUFACTURING TOLERANCE = +/- 1/2-INCH
- SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY

INSTALLATION NOTES

- PRECASTER TO SHIP ACCESS CASTINGS WITH STRUCTURE
- REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- PRECASTER TO INSTALL INTERNAL COMPONENTS PRIOR TO SHIPPING UNLESS INSTRUCTED OTHERWISE BY CONTECH
- PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE
- APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED
- IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION

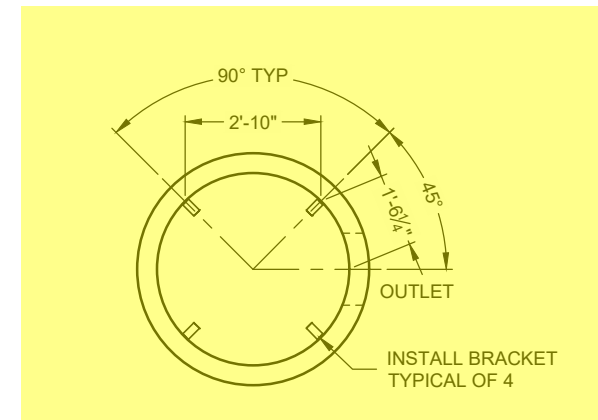
SITE INFORMATION

RIM ELEV. = 842.25+/-
TOP OF STRUCTURE = 841.34
INLET PIPE 1 INVERT ELEV. = 837.82
INLET PIPE 1 DIAMETER AND MATERIAL = 18"Ø RCP
OUTLET PIPE INVERT ELEV. = 837.82
OUTLET PIPE DIAMETER AND MATERIAL = 18"Ø RCP
OUTSIDE BOTTOM OF STRUCTURE ELEV. = 833.07

STRUCTURE WEIGHT

APPROXIMATE HEAVIEST PICK = 4500 LBS.
STRUCTURE IS DELIVERED IN 3 PIECES

TOP SLAB = 2000 LBS.
CONTROL RISER = 4500 LBS.
BASE SECTION = 3000 LBS.



SUPPORT BRACKET LAYOUT PLAN VIEW

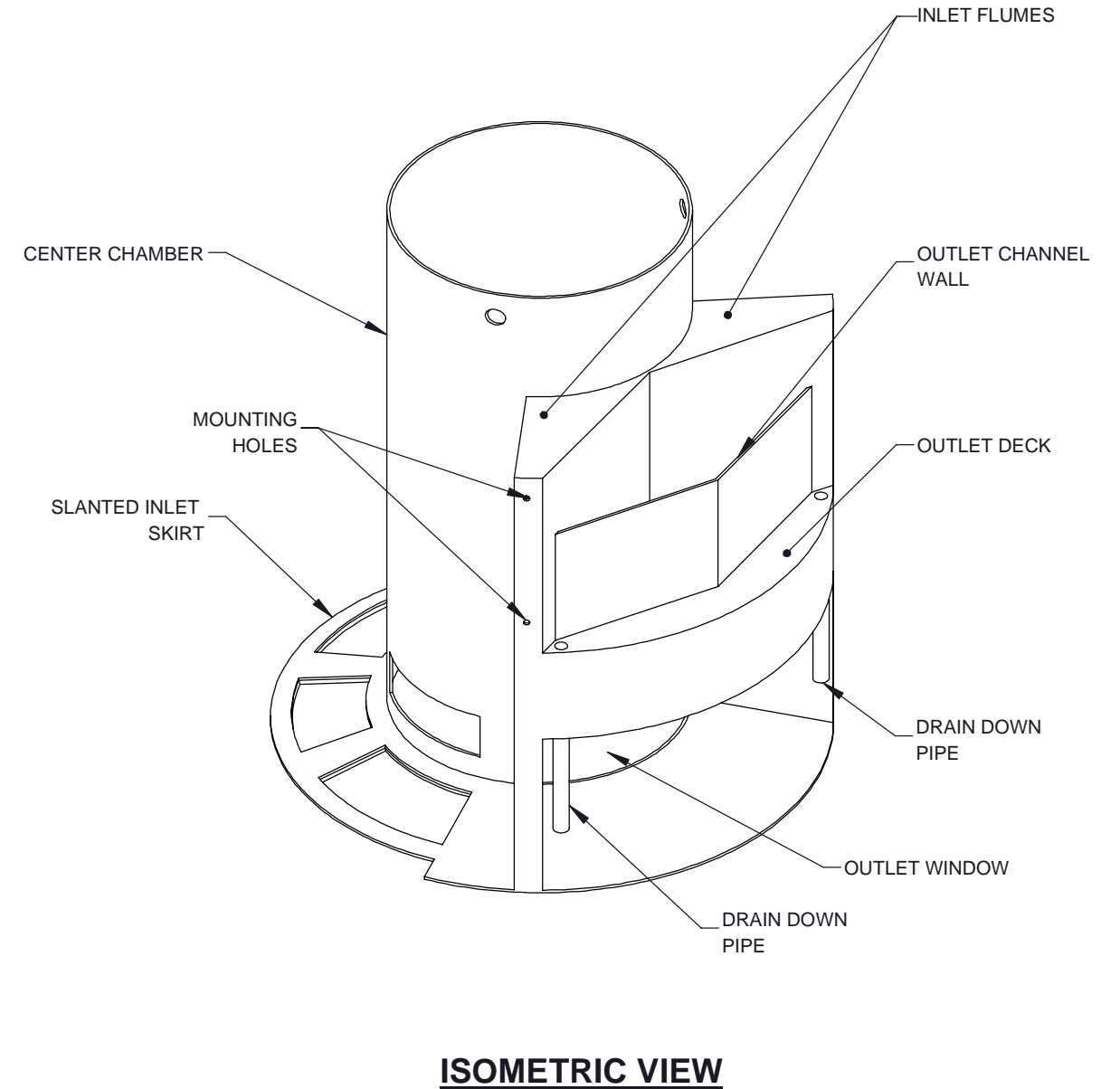
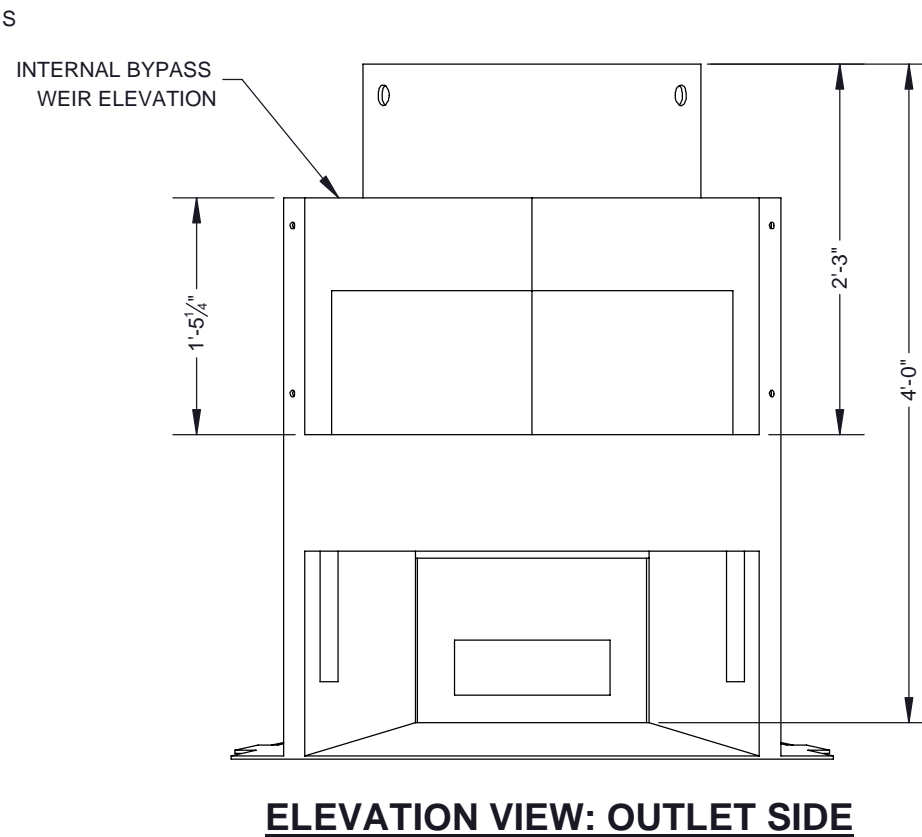
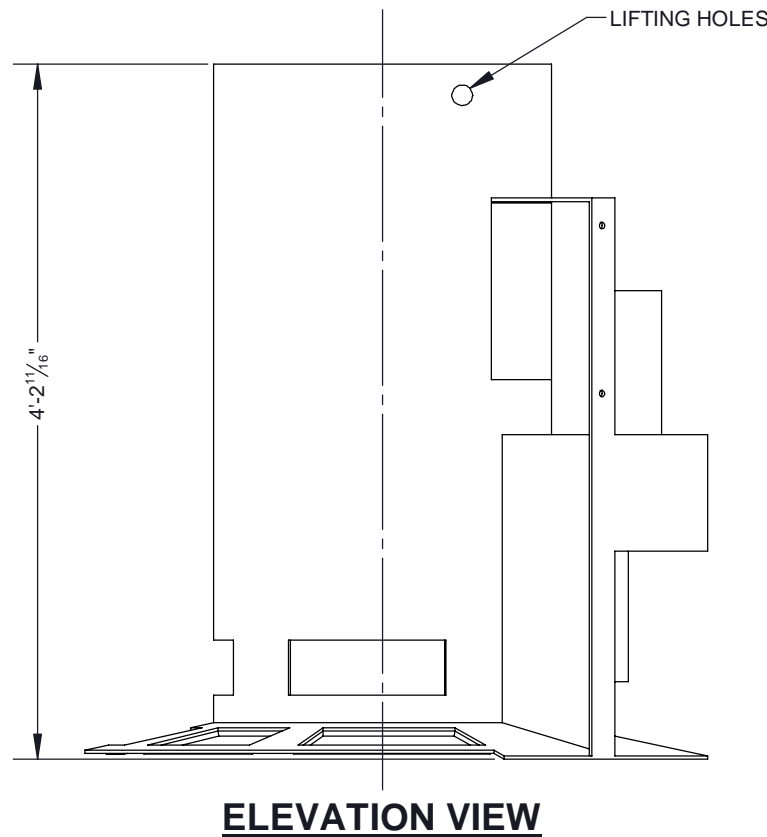
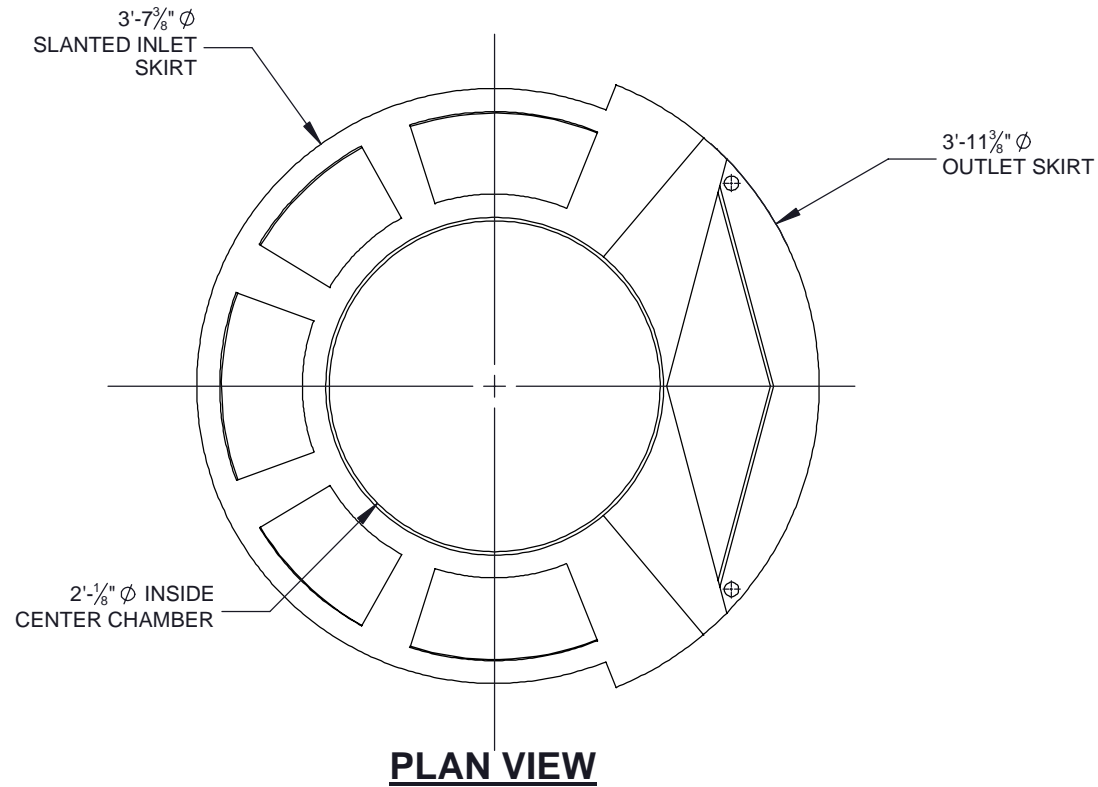
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MARK	DATE	REVISION DESCRIPTION	BY

CS-4 - 772445-015
WAWA #7602 - ELIZABETHTOWN
ELIZABETHTOWN, KY
SITE DESIGNATION: A1

CONTECH
ENGINEERED SOLUTIONS LLC
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800.338.1722 913.945.7000 913.945.7993 FAX
CASCADE
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FOR PATENT INFORMATION, GO TO www.contechES.com/IP

DATE:	10/02/2025		
DESIGNED:	JAVG	DRAWN:	JAVG
CHECKED:	MDB	APPROVED:	MDB
PROJECT No.:	772445	SEQUENCE No.:	015
SHEET:	1	OF	1



- NOTES:
1. SEE CASCADE SEPARATOR INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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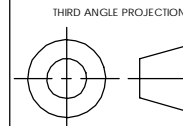
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800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
INTERNALS CS-4
CASCADE SEPARATOR



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL ± 1/16
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

PART NUMBER: 325-003949		
APPROVED BY: M. BROOKS	DRAWN BY: M. BROOKS	
APPROVED BY DATE: 2021.10.21	DRAWN BY DATE: 2021.09.14	REV: B
SCALE: N/A	SHEET 1 OF 1	