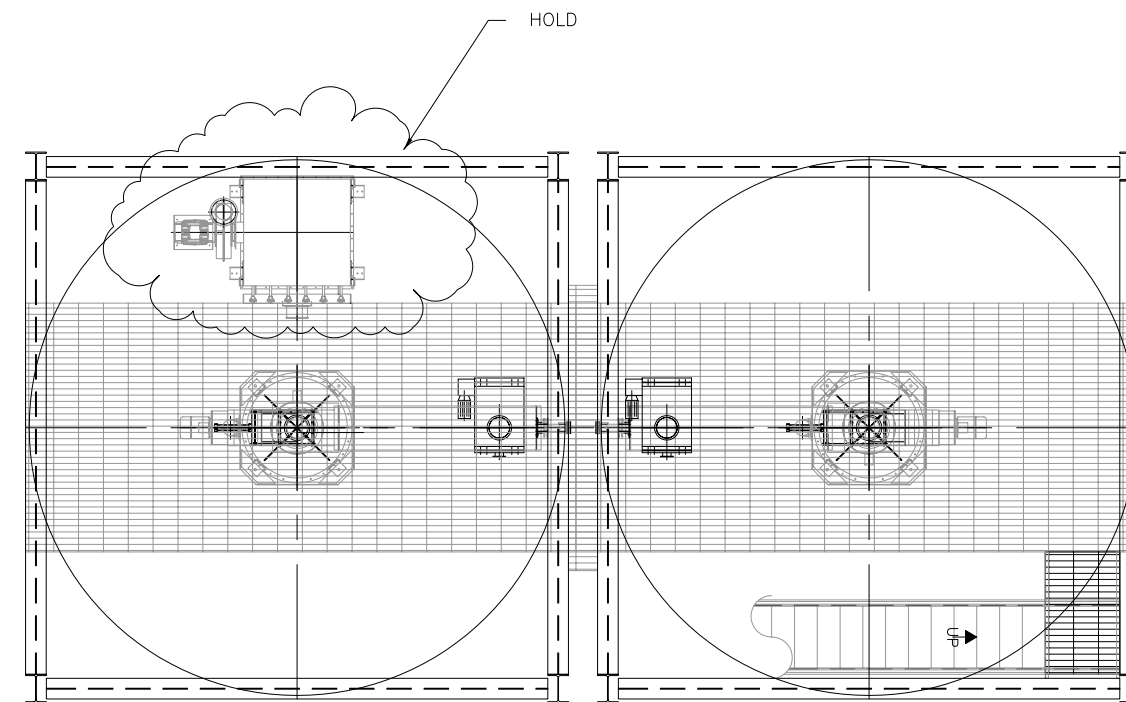


ELEVATION VIEW

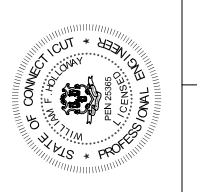
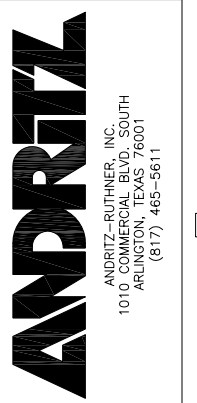


PLAN VIEW

TAG: EQ'T. No. 40-021-000

NOTES:

- MATERIAL OF CONSTRUCTION:
 SILOS ASTM A36 STEEL AND PLATE
 SUPPORT STEEL ASTM A992 GR 50 OR ASTM A36
 LOAD OUT CHUTES CONICAL AR 240 STEEL
- EACH SILO SHALL HAVE A MINIMUM WORKING CAPACITY OF 4,500 CF BASED UPON AN ANGLE OF REPOSE OF 25°.
- SILOS SHALL BE DESIGNED FOR MASS FLOW, PRODUCT DENSITY OF 45 LBS/CU FT.
- THERE SHALL BE A MINIMUM HORIZONTAL CLEARANCE DISTANCE OF 14 FEET AND A MINIMUM VERTICAL CLEARANCE OF 17 FEET UNDER THE SILOS TO ALLOW TRUCKS TO DRIVE THROUGH.
- THE BOTTOM HOPPER SHALL HAVE A MINIMUM SLOPE OF 65°.
- LOADS
 DECK LL 30 PDF
 PLATFORM LL 100 PSF
 NOZZLES CONCENTRATED LOAD 500 LB
- THE AMBIENT OPERATING TEMPERATURE OF THE SILOS IS 150° F.
- FINISH REQUIREMENTS:
 PAINT SPECIFICATIONS:
 INTERIOR COATING: EPOXY POWDER 3.5 MILS AVG DFT
 EXTERIOR PRIMER: EPOXY POWDER 3 MILS AVG DFT
 EXTERIOR TOPCOAT: URETHANE 1.5 MILS AVG DFT
 COLOR: SELECTED BY OWNER
 ROOF ANTISKID PAINT
- THE SILOS DESIGN SHALL BE SIGNED BY A REGISTERED CONNECTICUT PROFESSIONAL ENGINEER.
- THE ROOF OF EACH SILO SHALL BE DESIGNED TO RELIEVE EXCESS PRESSURE OCCURRING DURING A DEFLAGRATION IN ACCORDANCE WITH NFPA 68.
- ALL HANDRAILS SHALL BE NOMINAL 1.5" DIAMETER ANODIZED ALUMINUM.
- ALL GRATING SHALL BE 1.5" ALUMINUM BAR DRAWINGS. ALL OPENINGS SHALL BE BANDED.
- MANUFACTURER TO TAG ALL COMPONENTS (BEFORE SHIPPING) FOR ASSEMBLY. PROVIDE ONE EXTRA COPY OF INSTALLATION INSTRUCTIONS WITH SHIPMENT.



DATE	06/05/06	DATE	04/24/06
FOR FINAL REVIEW/BUILDING PERMIT	0	REVISION	1
INCREASE HEIGHT OF SILO SUPPORT STEEL 1'-0"	B	REV	0

DRAWN BY:	JEN	DATE:	1/9/06
CHECKED BY:		DATE:	
APPROVED BY:		DATE:	
SCALE:	1/4"=1'-0"	FILE:	152-402100
SIZE:			

JOB NAME	CITY OF STAMFORD CONNECTICUT SOLIDS DRYING PROJECT
TITLE	PRODUCT STORAGE SILOS (021) GENERAL LAYOUT
PROJECT NUMBER	1524
DRAWING NUMBER	021-00
SHEET	1 OF 1

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