



KEYED NOTES:

① SECURE WITH 1/2" WIDE ALUMINUM STRAPS, 16" CENTERS.

FREEZE PROTECTION DETAIL

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
 2. FOR CRITICAL FACILITIES, A CIRCUIT CONTINUITY ALARM MAY BE REQUIRED. REFER TO IEEE STD 622 FOR NUCLEAR FACILITIES.
 3. SUGGESTED HEATER CABLE SPECIFICATION FOR TRAILERS/TRANSPORTABLES POTABLE AND FIRE WATER PIPING. COORDINATE DESIGN WITH MANUFACTURER'S REPRESENTATIVE.
 - a) SELF REGULATING HEATER CABLE, 3 WATTS/FT, 120V, NO. LT3-CB, WITH POWER CONNECTION KIT, NO. PLT-BC-[B3]*, AND THERMOSTAT, NO TF4X40, MFR: NELSON HEAT TRACING SYSTEM, (505) 256-1300, OR APPROVED EQUAL.
- *SPECIFY: "B3" FOR PIPE SIZES UP TO 3", "B12" FOR PIPE SIZES LARGE THAN 3" TO 12".

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE).

4	8-4-04	U	ENCL. NO. PAR. ST-D10-BOEEL-L	RF	RF	AN	ED	TR
3	8-14-03	U	EDITORIAL CHANGES TO DWG NO. 148 87886L	RF	RF	RF	ED	TR
2	8-8-03	U	REVISED KEY NOTES AND DESIGNER NOTES.	RF	JR	GG	ED	TR
1	5-10-01	E	REVISED TO COMPLY WITH DRAWING MANUAL. ADD KEY NOTES & REVISIONS HERE. REMOVE FROM THIS NOTE.	RF	RF	GG	ED	TR
NO	DATE	CLASS. REV.	DESCRIPTION	DATE	DESIGN	CHECKED	DATE	BY

FWO FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES

ENGINEERING STANDARDS MANUAL

DESIGN: []
 CHECKED: []
 DATE: 8-28-08

BLDG X TA-X
 SUBMITTED APPROVED FOR RELEASE

STANDARD NUMBER: 108N 0703

Los Alamos PO BOX 1666
 Los Alamos, New Mexico 87545

CLASSIFICATION: U PROJECT NO: []
 DRAWING NO: CHAPTER 6 ST-D20GEN-2

1 OF 1
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 REV 4

15/10/10 Eng. Standard/Eng. Manual (000)1. Approved/1F-827601-2014/04 11/01/10 100000