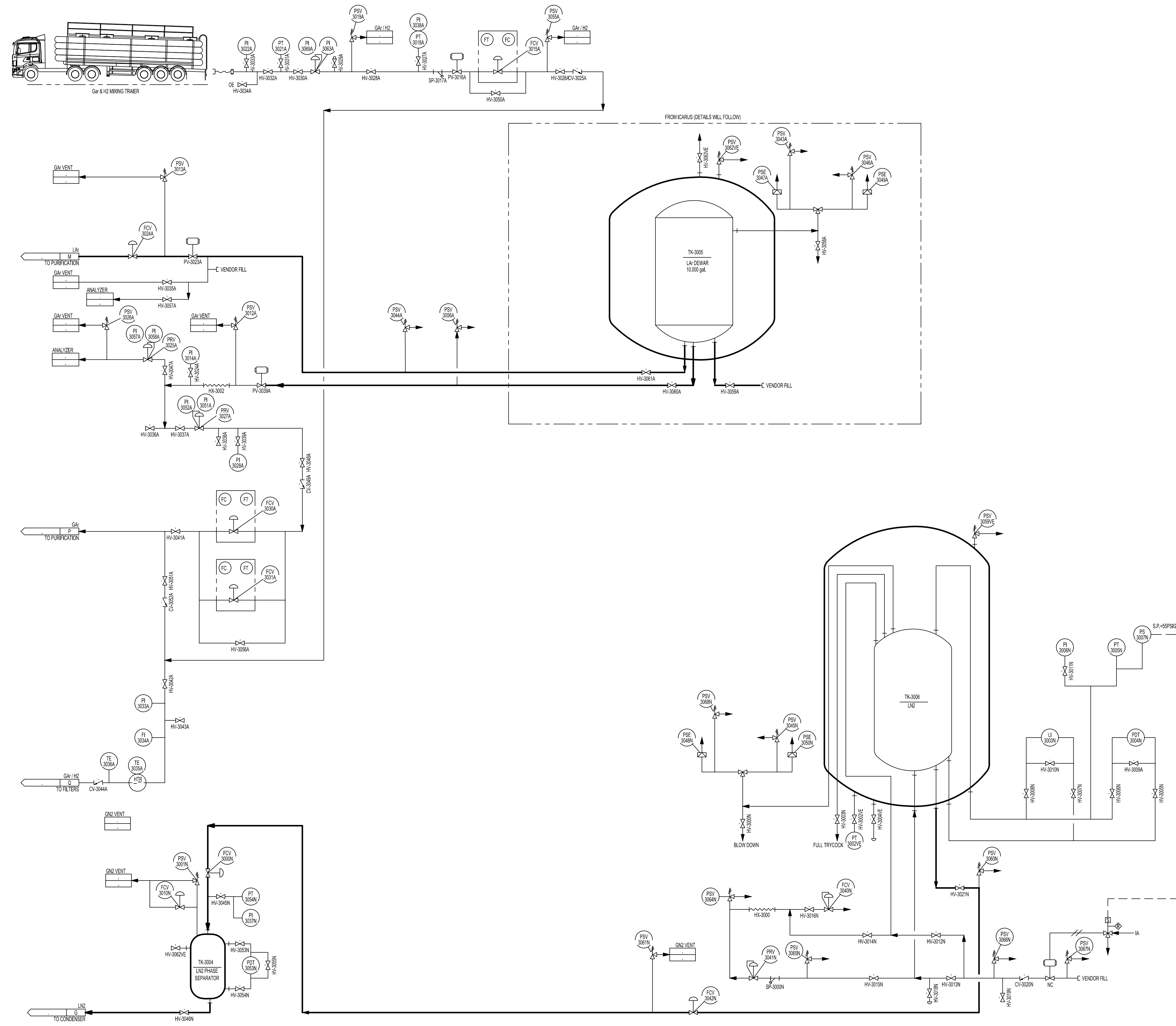


1. THIS SHEET SHOWS EXTERNAL CRYOGENICS



CHECKED BY: _____ DATE: _____
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UNDER DEVELOPMENT
 04/22/2015

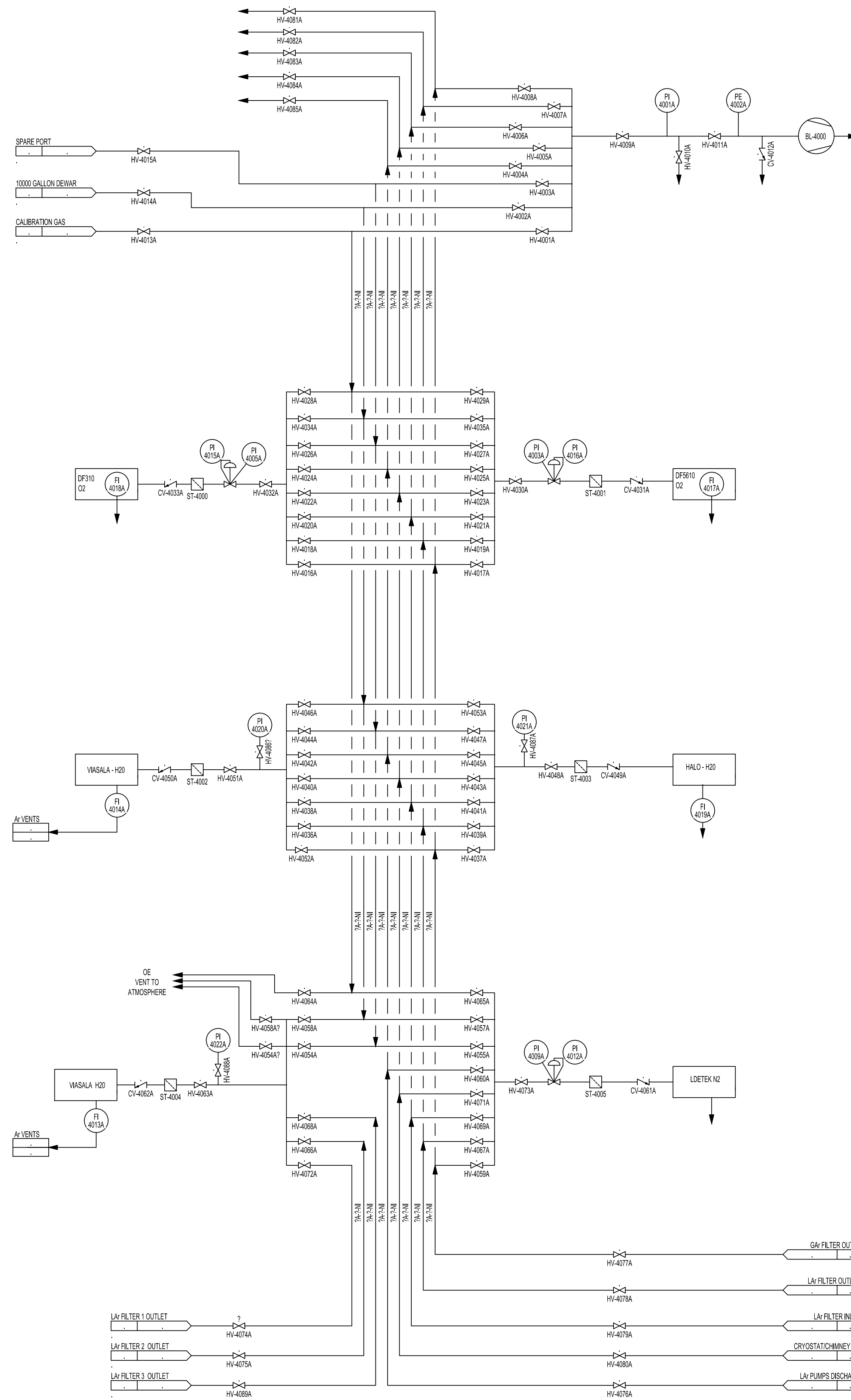
LEGEND
 ——— DENOTES VACUUM JACKETED PIPE
 ——— DENOTES PROCESS PIPE

FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY

MECHANICAL/ENG. DESIGN LAYOUTS
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 PIPING & INSTRUMENTATION DIAGRAM

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|-------------------------|--------------|------|--------------|----------------------|------------|------------|----------------------|------------|------------|------|--------------|----------------|------|--------------|-------------------------------|------------|------------|----------------------|------------|------------|------|-------------|--------------------|-----|-------------|--------------------|
| DRAWN BY | M. DELANEY | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHECKED BY | D. MONTANARI | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVED BY | D. MONTANARI | A | F1000XXXX3 | IFR&C | 04/22/2015 | MD | | | | | | | | | ISSUED FOR REVIEW AND COMMENT | XX | FERMI | MA | MA | | | | | | | |
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UNIT: 01 SCALE: NONE STATE: IFR&C
 DRAWN: MD DATE: 08/28/2014 SHEET NO: 3 OF 4
 CHECKED: MA DRAWING NO: F10041250.3
 ENGR: MA REV: A



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| DRAWN BY | M. DELANEY | | | | | | | | | | | | | | | | | | | | | | |
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| APPROVED BY | D. MONTANARI | A | F10041250.4 | IFR&C | 08/10/2015 | MD | | | | | | | ISSUED FOR REVIEW AND COMMENT | XX | FERMI | MA | MA | | | | | | |
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