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NOTES:

1. POOL DESIGN CONFORMS TO THE FOLLOWING:
 - A. 2001 FLORIDA BUILDING CODE WITH 2003 AMENDMENTS.
 - B. ANSI / NSPI-5 2003 EDITION.
2. I.C.B.O. REPORT NO. ER2417.

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OCT 18 2004

REV	DESCRIPTION	DATE	APRV
AEEC/SAN JUAN POOLS			
BY: AMERICAN ENVIRONMENTAL CONTAINER CORP. 2302 LASSO LANE LAKELAND, FLORIDA 33801 (941) 666-3020			
Date	Checked By	Job No.	
5/27/04	MAR		
File			
RESIDENTIAL POOLS			1 of 2

OFFICE COPY

GENERAL CONSTRUCTION NOTES:

- Pool installation shall be by a qualified and licensed (approved by local building department and San Juan pools) pool contractor. The installation shall conform to all state and local building codes, as well as tenets of any association with jurisdiction.
- Water supply and disposal shall be so arranged that there is no cross connection with domestic services.
- Main drain to have an anti-vortex type cover or a grate with a minimum open area of 65 sq. in. or as to local codes, securely fastened in place.
- Pool turnover shall be 2 hours maximum with cartridge filter and properly grounded approved pump (min. 1/2 hp per 50 GPM at 65 TDH.) Pool pump to be above ground with weather protective housing.
- All electric shall conform to N.E.C. No overhead wires shall pass within 10 feet of pool.
- Concrete shall be 250 psi at 28 days. Pool bottom to be placed in 4" min. of sand. Concrete to have 6x6, #10/10wmm. Fiberglass mesh may be used in lieu of 6x6 #10/10wmm as allowed by code.
- Hydrostatic pressure design assumes pool is full at all times, with any required hold downs and reinforcing by others.
- Hydrostatic relief valve not credited for more than 2 feet of the difference of head between pool bottom and floor criteria level, use where code requires.
- Pool shall bear on undisturbed soil, free of peat, muck or other deleterious material in any significant amount.
- Backfill shall have bearing value greater than 600 PSF with vertical angle of repose. Backfill material must not contain rocks that could damage pool walls. Backfill shall be installed and compacted in lifts to match water level, pool and not deform pool.
- Steps or ladders shall be provided at each end of pool per code.
- Pool ladders shall be corrosion resistant with non-slip treads. Hand rails and ladders shall have No. 8 solid copper grounds and Solidly imbedded anchors.
- Steps, treads and riser shall conform to local codes when different than that stem.
- Therapy seats, where installed, shall be recessed in to the sides of such pool not more than 20 inches below water level, and in such manner as to clearly distinguish such underwater obstructions from pool areas in to which persons may dive.
- Swimming pool skimmer(s) shall have deck openings.
- Electrical hook-up of pool equipment, rolls, boxes, etc and grounding of deck steel shall be in accordance with the National Electrical Code and all applicable state and local building codes by a licensed electrical contractor.
- Install 12 volt light. Not allowed by local code. Higher voltage shall be GFI protected per NEC. At installers option Fiberoptic Lighting may be used.
- If the slope from shallow end to deep end is more than 1:7 a safety rope shall be provided when required.
- Supports and steps shall be properly reinforced and of sufficient structural strength to safely carry all anticipated loads.
- All pipe to be PVC schedule 40 suitable for potable water, or to local code.
- Direct suction pipes into the pool shall have Secondary Reliefs.

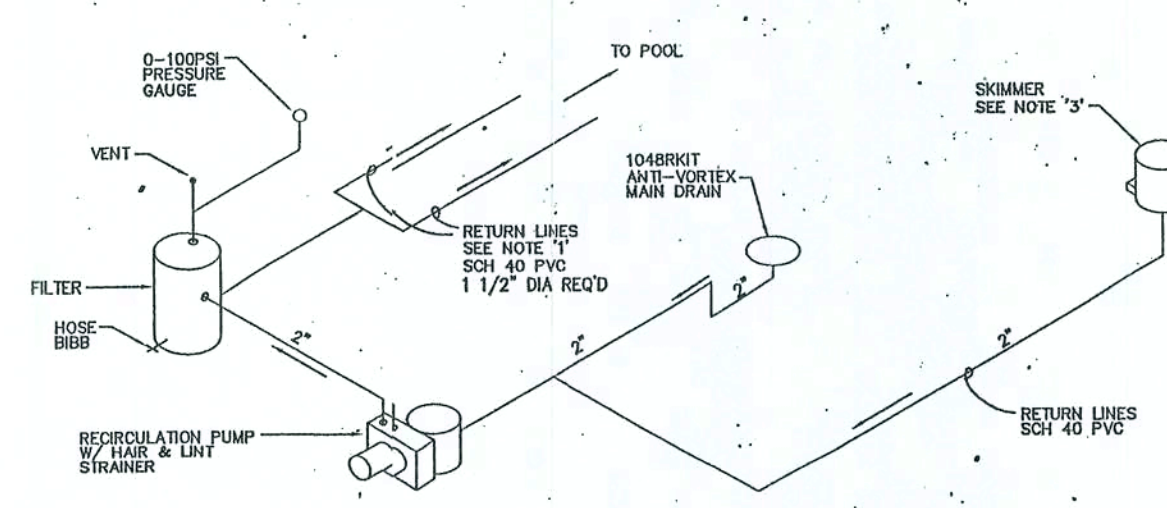
POOL EQUIPMENT AND PROPERTIES

Quantity	Item	Manufacturer
*	Inlet-Return 1 1/2" white cycloac Model SP-1032	Hayward MFG. Co. or Equal.
*	Inlet-Directional Flow white cycloac "Hydra-stream" with 1/2" hole, Model SP-1419-C	Hayward MFG. Co. or Equal.
*	Main Drain Anti-Vortex Model SP-1048-AV or 1035-AV	Hayward MFG. Co. or Equal.
*	Hydrostatic Relief Valve Model SP-1058	Hayward MFG. Co. or Equal.
*	Skimmer Model SP-1076	Hayward MFG. Co. or Equal.
*	Niche Light Assembly PVC SP607 with 1" conduit connection	Hayward MFG. Co. or Equal.
*	Light Assembly 100 watt, 12 volt with Power Cord	American Products Co. or Equal.

* Quantities Specified at Construction

Typical properties of a REINFORCED FIBERGLASS pool:

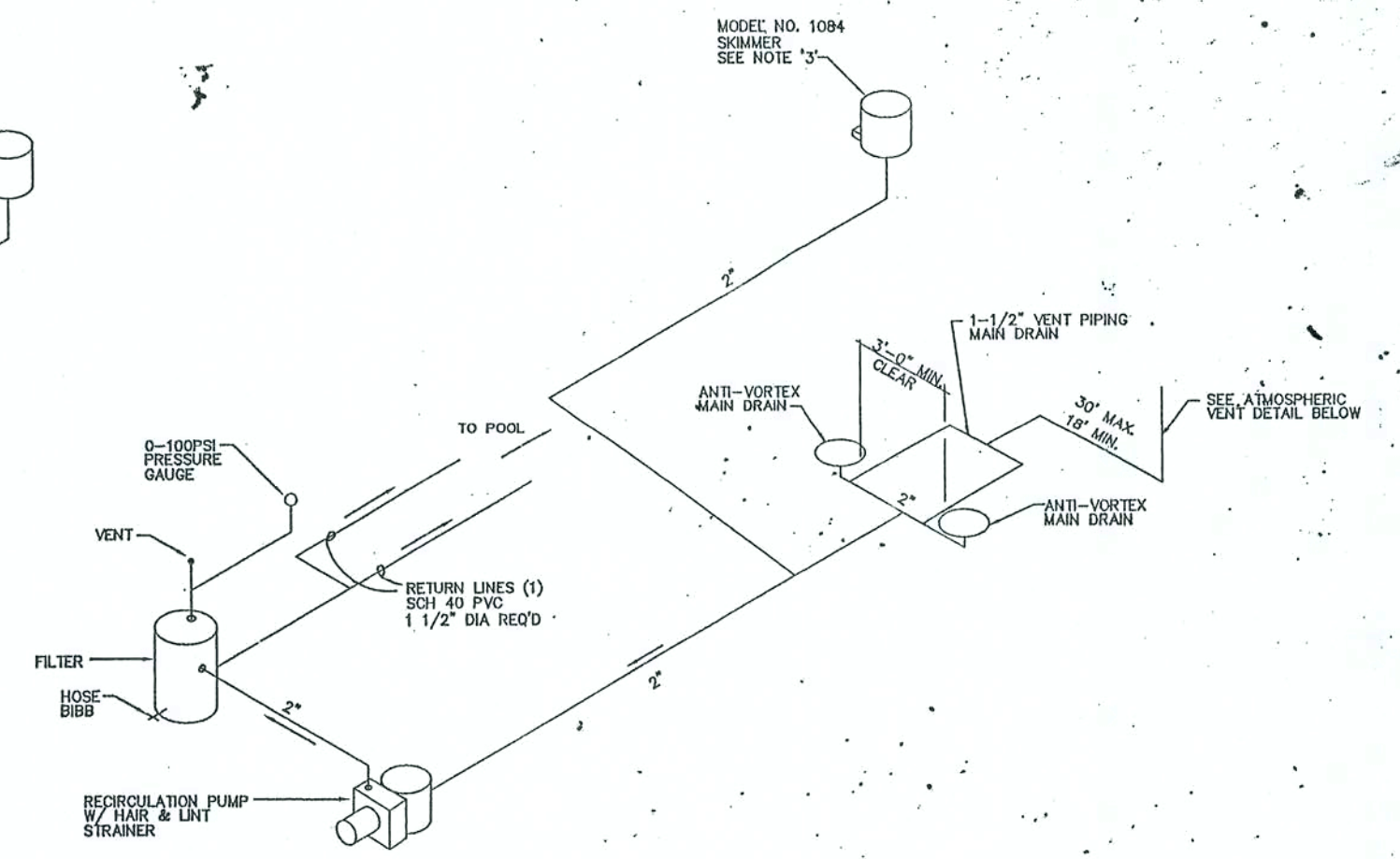
Barrel hardness of 30 mil gel coat	40 - 50
Glass content, by weight	27%
Tensile strength, PSI at 77 F	19,500
Tensile elongation	1 - 2%
Flexural strength, PSI at 77 F	23,800 - 27,600
Flexural modulus, PSI x 10 at 77 F	0.72 - 0.77
Impact FT-LBS/inch of notch	5.9
Compressive strength, PSI	25,000 to 38,000
Typical thickness inches	3/8"



1048KIT MAIN DRAIN OPTION
NTS

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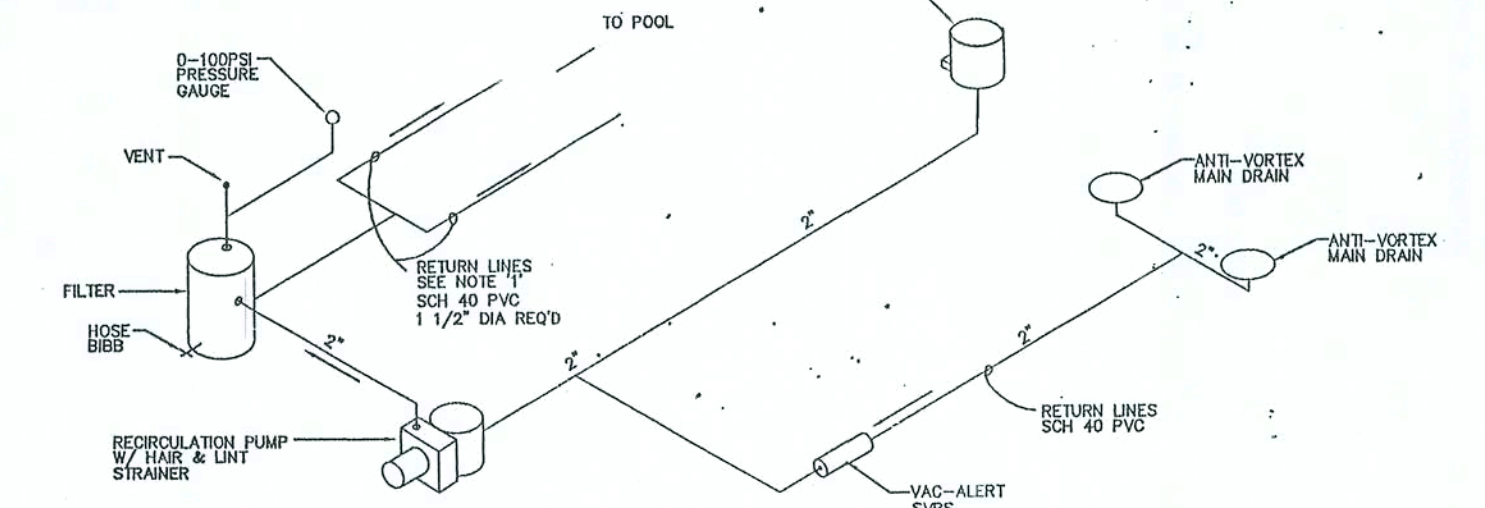
- ONE RETURN LINE REQUIRED FOR POOLS LESS THAN 450 SQ.FT. OF SURFACE AREA. GREATER THAN 450 SQ.FT. OF SURFACE AREA REQUIRES TWO LINES. MINIMUM SEPARATION OF LINES ENTERING POOL SHALL BE 10 FT.
- SUMP LINE (WHEN REQ'D) TO BE 2" SCH. 40 PVC FROM 4 CUBIC FOOT GRAVEL BED BENEATH MAIN DRAIN TO 18" FROM EQUIPMENT.
- TWO SKIMMERS REQUIRED IF POOL AREA GREATER THAN 450 SQ.FT. OF SURFACE AREA.



ATMOSPHERIC VENT OPTION
NTS

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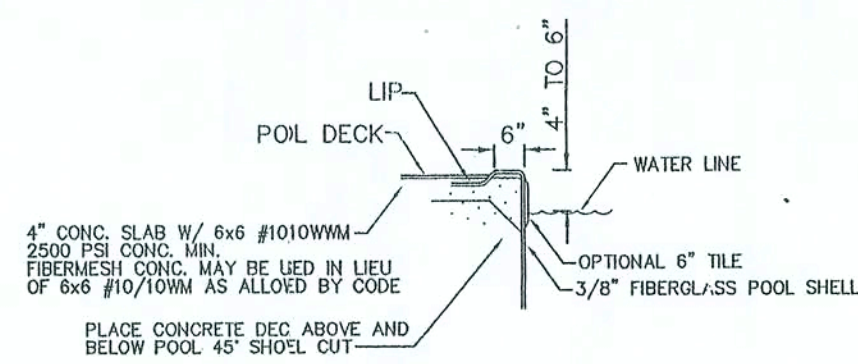
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- TWO SKIMMERS REQUIRED IF POOL AREA GREATER THAN 450 SQ.FT. OF SURFACE AREA.
- TESTED IN COMPLIANCE WITH FLORIDA BUILDING CODE 424.2.6.6 SUCTION ENTRAPMENT ATMOSPHERIC VENT TEST PROTOCOL.
- THE ACTUAL SUCTION ENTRAPMENT ATMOSPHERIC VENT TESTING WAS ACCOMPLISHED UNDER MY DIRECTION AND SUPERVISION ON DECEMBER 8, 2001.
- THE MAXIMUM VACUUM WITH ONE SUMP PLUGGED AND A BODY ENTRAPMENT ON THE OTHER SUMP NEVER EXCEED 4.5" OF MERCURY. THE ENTRAPMENT RELEASED IN LESS THAN 3 SECONDS.
- ALL SUCTION PIPING TO BE 2"
- ALL VENT PIPING TO BE 1-1/2"
- MAXIMUM SUCTION PIPE VELOCITY TO BE 6 FEET PER SECOND.
- MAIN DRAIN LOCATED IN DEEPEST PART OF THE POOL.
- POOL MUST HAVE MAIN DRAIN MINIMUM 3'-0" APART OR SEPARATED ON DIFFERENT PLANES. THEY MUST NOT BE VALVED AND HAVE SUCTION AT THE SAME TIME.
- FITTINGS PER 2001 FLORIDA BUILDING CODE.



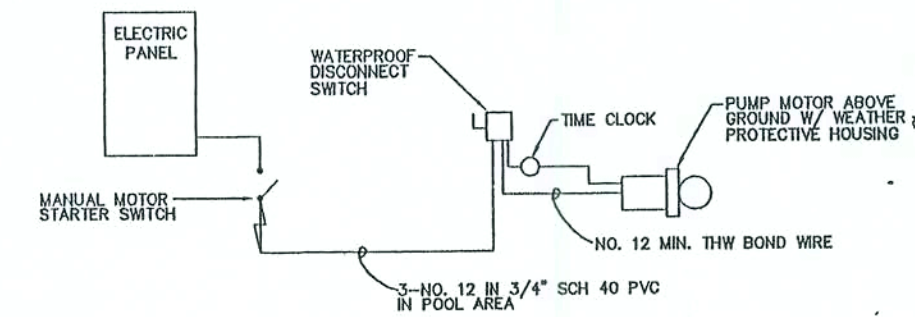
VAC-ALERT OPTION
NTS

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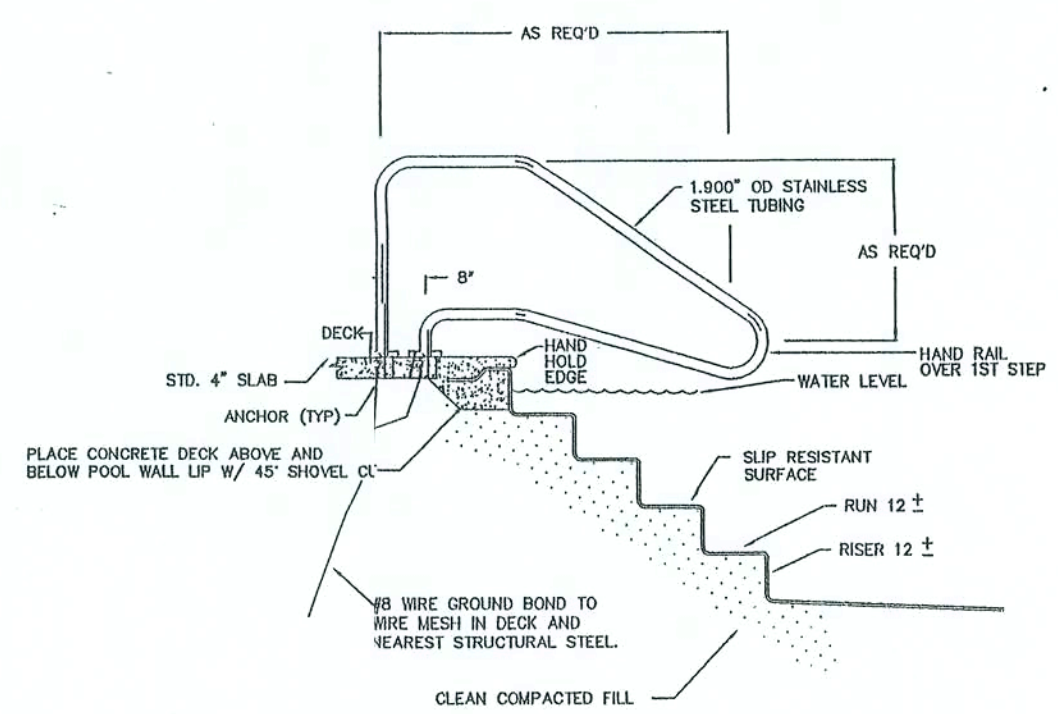
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- TWO SKIMMERS REQUIRED IF POOL AREA GREATER THAN 450 SQ.FT. OF SURFACE AREA.
- DESIGN CONFORMS WITH FLORIDA 2001 STANDARD BUILDING CODE AND NATIONAL SPA & POOL INSTITUTE.



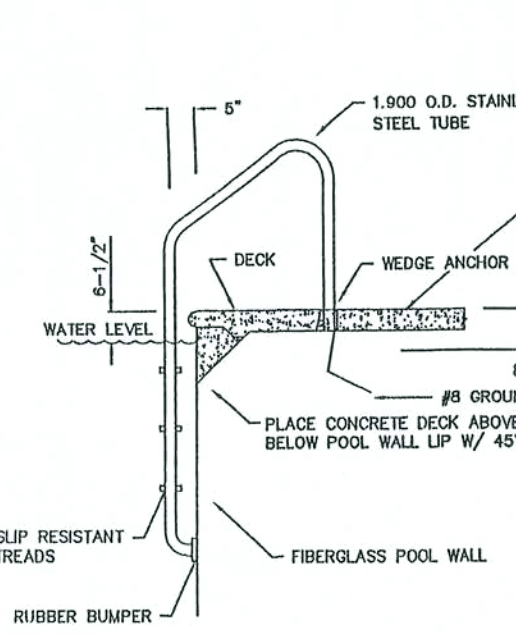
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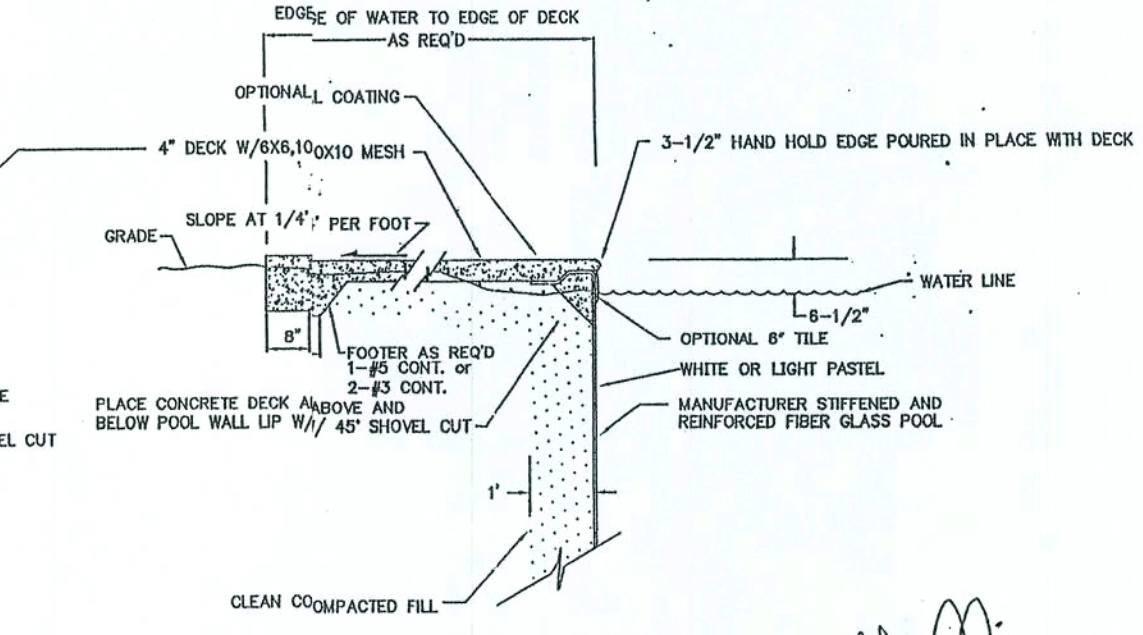
ELECTRICAL DIAGRAM
NTS



STEP HANDRAIL SECTION
NOT TO SCALE



LADDER SECTION
NOT TO SCALE



WALL SECTION
NOT TO SCALE

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 - ANSI / NSPI-5 2003 EDITION.
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Date	Checked By	Job No.	
SEPT, 2004	MAR		
SPECIFICATIONS/DETAILS			Sheet 2 of 2

[Signature]
OCT 19 2004