MOLD DESIGN CHECKLIST

Customer: _____ Mold ID#: _____ Supplier: _____

Part(s) Name: _____

Part(s) Numbers: _____

PRELIMINARY DRAWING CHECKLIST

- [ ] Title Block is completely filled out on all drawings
- [ ] Abbreviated BOM provided
- [ ] Correct material shrink ratio identified
- [ ] Note "Top of Mold" & "Operator Side"
- [ ] Mold fit in press size quoted
- [ ] Parting line locations (Acceptable to Customer)
- [ ] Ejector pin layout (Acceptable to Customer)
- [ ] Waterline layout
- [ ] Balanced runner layout
- [ ] Gate type and size specified
- [ ] Side action types and locations shown
- [ ] "O" and "R" dimensions noted
- [ ] Knock out locations
- [ ] Support pillar layout
- [ ] Will any special equipment be needed to run mold
- [ ] Drawing checked to Mold Specification Sheet

* Preliminary Design is approved with noted changes, allowing to proceed with Final Designs, order necessary materials, and begin rough machining.

- [ ] _____ Engineering   Date: _____
- [ ] _____ Tooling   Date: _____
- [ ] _____ Production   Date: _____

FINAL DRAWING CHECKLIST

- [ ] All Preliminary Mold Drawings requirements completed
- [ ] Full BOM including mold base information, stamping notes, steels used, etc. noted
- [ ] Detailed views of every non-standard component
- [ ] Views, sections exist to show adequate detail
- [ ] All details are labeled with the detail number, name, mat'l type, number req'd, hardness and finish
- [ ] No interference on water lines and plenty of clearance for jiffy-plugs
- [ ] Guide pin length and clearance acceptable
- [ ] Spring loading acceptable
- [ ] All key "fit" areas are specified for each insert, side action and core
- [ ] All draft is specified
- [ ] Check all side actions angles and travel
- [ ] Check for any bad steel conditions (sharp edges, thin sections, too little shut-off, too little angle)
- [ ] A & B Plan assebly views compared
- [ ] All details from the assembly and plan views compared to detail sheets
- [ ] All surface finishes specified
- [ ] Drawing checked to Mold Specification Sheet

- [ ] _____ Tooling   Date: _____

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