**Customer: JB Cutting**

**Standard Hooks:**

Table

Description automatically generated

**Scripts:**

GAB\_5364\_ORDER\_ENTRY.g2u

GCG\_5364\_GUIScriptMaint.g2u

GCG\_5364\_Job\_Cleanup.g2u

GCG\_5364\_Reprint\_Upcut.g2u

GCG\_5364\_Auto\_WO\_Gen.g2u

GCG\_5364\_PROC\_WIPFG.g2u

GCG\_5364\_OE\_Copy.g2u

GCG\_5364\_Order\_Status.g2u

GCG\_5364\_Rework\_Queue.g2u

GCG\_5364\_Label\_Reprint.g2u

GCG\_5364\_Print\_Inv\_Label.g2u

GCG\_5364\_WO\_Non\_Door.g2u

GCG\_5364\_OE\_OpenSOReviewTiedWOs.g2u

GCG\_5364\_WO\_Gen\_Error\_View.g2u

GCG\_5364\_BIN\_Status.g2u

GCG\_5364\_Serial\_View.g2u

GCG\_5364\_Flex\_Comments.g2u

GCG\_5364\_WIPFG.g2u

GCG\_5364\_CUT\_RITE\_NEW.g2u

GCG\_5364\_Workcenter.g2u

GCG\_5364\_BIN\_Maint.g2u

GCG\_5364\_Spray\_SFDC.g2u

GCG\_5364\_MC\_Export\_Config.g2u

GCG\_5364\_Spray\_Schedule.g2u

GCG\_5364\_BATCH\_Admin.g2u

GCG\_5364\_NonDoor\_Admin.g2u

GCG\_5364\_Sort\_Code\_Maint.g2u

GCG\_5364\_Color\_Maint.g2u

GCG\_5364\_WC\_Maint.g2u

GCG\_5364\_ShippingReview.g2u

GCG\_5364\_Vinyl\_Press.g2u

GCG\_5364\_Sales\_Hist.g2u

GCG\_5364\_Scrap\_Dashboard.g2u

GCG\_5364\_WO\_Gen\_Issues.g2u

GCG\_5364\_BIN\_Alloc.g2u

GCG\_5364\_Rework\_Admin.g2u

GCG\_5364\_Cust\_Ship\_Lines.g2u

GCG\_5364\_WO\_WatchDog.g2u

**Reports:**

51 GCG\_5364\_PACKINGLIST.rpt

95 GCG\_5364\_PICKINGLIST.rpt

100006 GCG\_5364\_Cutrite.lab

100010 GCG\_5364\_PACKINGLIST\_BLIND.rpt

100014 GCG\_5364\_SHIP\_LINES.rpt

100015 GCG\_5364\_UpCut.rpt

100016 GCG\_5364\_S\_Sched.rpt

100020 GCG\_5364\_SHIP\_LINES\_new.rpt

**Tables:**

Table

Description automatically generated with low confidence

**Additional Files: -** Files used for launching a silent menu that launches GCG\_5364\_WO\_WatchDog.g2u that can start and stop GCG\_5364\_Auto\_WO\_Gen.g2u

[Jbc-gs1\data1\Global](file:///\\Jbc-gs1\data1\Global)\GCG\_5364\_WO\_Watchdog.bat

Jbc-gs1\data1\Global\GCG\_5364\_WO\_Watchdog.dir

**Menu Items:**

Inventory > Administration > Bin Size Maintenance (5364)

Inventory > Administration > Color Maintenance (5364)

Shop Floor Control > Administration > Create Spray Schedule(5364)

Shop Floor Control > Administration > Cut-Rite Batch Reversal(5364)

On Line System > Administration > GAB GUI Maintenance (5364)

Shop Floor Control > Administration > Job Non-Door Admin Reversal(5364)

Shop Floor Control > Administration > Rework Qty Add (5364)

Inventory > Administration > Sort Code Maintenance (5364)

Estimating / Routing & Quote Management > File > WorkCenter Wav File Maintenance(5364)

Shipping and Receiving > Reports > Customer Shipped Lines by Date (5364)

Shop Floor Control > Transactions > Cut-Rite Export (5364)

Shop Floor Control > Transactions > Cut-Rite Label Reprint (5364)

Shop Floor Control > Transactions > Flex Schedule Comments(5364)

Shop Floor Control > Transactions > MC Code Configuration (5364)

Shop Floor Control > Transactions > Part Quarantine Queue Review (5364)

Inventory > Transactions > Sales Order Bin Allocation (5364)

Shop Floor Control > Transactions > Spray Schedule SFDC (5364)

Shop Floor Control > Transactions > Vinyl Press SFDC (5364)

Shop Floor Control > Transactions > WIP TO FG (5364)

Shop Floor Control > Transactions > Work Order Non Door (5364)

Shop Floor Control > Transactions > WorkCenter SFDC (5364)

Shipping and Receiving > View > Bin Status View(5364)

Order Entry > View > SO/WO Dashboard (5364)

Sales Analysis > View > Sales History (5364)

Shipping and Receiving > View > Sales Order Additional Part Labels(5364)

Shop Floor Control > View > Scrap Dashboard (5364)

Shop Floor Control > View > Serial Number View (5364)

Shipping and Receiving > View > Shipping Dashboard (5364)

Shop Floor Control > View > Work Order Generation View (5364)

Shop Floor Control > View > Work Order Issue View (5364)

**Take JB Cutting Tour:**

Text, logo

Description automatically generated

<https://www.youtube.com/watch?v=770NjIYj0lA&feature=emb_logo>

**Machinery:**

<https://jbcutting.com/about/our-machines/>

**Door Trimming at Vinyl Press Offload Step:**

<https://www.youtube.com/watch?v=sf8HEpoRqUw>

**Setup:**Graphical user interface, application

Description automatically generated **Router**

Template Routers are used, and Key words are put into the Part/Workcenter and OpCode fields that will be used by a GCG\_5364\_Auto\_WO\_Gen.g2u script. Below is two current Routers in the system.

Graphical user interface, application

Description automatically generated

**Setup: Inventory > Administration > Sort Code Maintenance (5364):**

Graphical user interface, table

Description automatically generatedThis is the way to determine the path of work order creation, label printing, and/or cutrite & flex schedule creation based on sort code and status (\*three paths possible).

Sort Code is the distinct sort codes available in inventory master, and you can associate it to a “Status”, this status is the path of what/how things are created in a queue. For every part they sell that needs to follow the “custom” logic, this is how they set those parts up. NOTE: we might want to rename this from status to “path”

**Setup: Shop Floor Control > Transactions > MC Code Configuration (5364):**

This is a tool for configuring where the export files to from the cutrite batch export screen need to go to. The program uses sql to get data and build csv that is sent to cutrite. The sql statement is built using this data in the Cutrite Export Program.

Graphical user interface, application

Description automatically generated*\*cutrite screen below in spec.*

**Setup: Inventory > Administration > Bin Size Maintenance (5364):**

So based on the Size of the Order and Max Length of a Non Molding Part determines what bin gets used on the WIP TO FG Screen.

Table

Description automatically generated with medium confidence

**Setup: Estimating / Routing & Quote Management > File > WorkCenter Wav File Maintenance(5364):**

This program is where a wav file can be attached to a workcenter. This saved wave file will be played on Shop Floor Scanning programs to indicate a good scan.

Graphical user interface, application, table

Description automatically generated

**Setup: Part**

For each part that will need WO generated a Sort Code that as status of Door or Non Door. And a valid Template Router entered in the Router Field.

Graphical user interface, text

Description automatically generated

**Setup Company Options:**

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generatedA picture containing text

Description automatically generated

**Order Entry:**

From the OE Short form, their representatives can enter in the order lines

The “**copy line**” core function is used for entering in the door profile (single part#), but they are produced at a different length/width or other optional attribute that will in turn, drive an EACH price via the custom GAB Form.

They can have other parts on the order, **but based on the sort code setting**, it will create or NOT-create work orders further downstream.

Graphical user interface, application, table

Description automatically generated

The rep will use a script button to enter in the additional info required for doors and molding via the custom GAB form below. It will allow the user to record length/width and other part/line attributes that feed into their Cutrite export process and Door cutting programs. Cutrite is like nesting but their version of cutrite is setup very specific to wood/doors and specific saw/router combos.

Table

Description automatically generated with medium confidence

**Continued Next page >>**

**Order Entry Continued:**

At the same time, the choices the enter in on this screen configure an EACH price and returns it and the cost/extension back to the Short Form OE lines screen. *(Custom Core added a feature to enable this on the Short Form for JB Cutting)*

The **Order Status Custom Control** is used to trigger Work Order Label creation. This sends a record to a custom table and communicates with a GAB Service that processes each line and sets the order line on its path based on the sort code maintenance setting mentioned above.

Graphical user interface, application, table

Description automatically generated

**Work Order Generation:**

This service will run by launching the GCG\_5364\_WO\_Watchdog.bat file. The program go finds Orders that have a status of Started in the Custom Table and Generate Work Orders to the Lines on that Order that do not currently have Work Orders generated. Once the WO is created this program will then update Job Operations based data fill in on the Custom OE Screen.

Graphical user interface, application, PowerPoint

Description automatically generated

Screen shot of WO program generates wo and updates Job Operations.

Table

Description automatically generated

**Shop Floor Control > Transactions > Cut-Rite Export (5364):**

This screen is where their office personnel can consolidate work orders into one batch for cutrite (i.e. all lines that need MDF-WHITE or MDF-DARK CHOCOLATE) This will export a cutrite file, create flex schedule for the batch for their operator to clock into. They try to batch by Sales order mostly because it is usually the same door profile, material and finish but just different sizes.

Items that NOT part of the Door Product family (don’t need a cutrite batch) get queued up to have their traveler and serial# labels printed down the hall from another custom screen that prints work order/label packets.

Graphical user interface, application, table

Description automatically generated

When the batch configured is processed, it will follow the path of work order creation based on the sort code maintenance setting and do one of following:

1. Export to Cutrite, create flex schedule matching same jobs in cutrite file.

Graphical user interface

Description automatically generated with medium confidence

1. Create a record in the Non-Door queue to have a work order/label packet printed and released to the floor.
2. Non-Work Order lines in sales order will not appear in here, so nothing happens to them at this step.

**WIP and Inventory Label:**

This **label gets printed and stuck on the back of each door as it is coming off the saw**. This serial# is a combination of **SalesOrderLine and** Instance (i.e. qty of 5 has five instances starting at 1). They tie their work orders to the sales order line in order to have it flow through our custom GAB apps and services.

The **barcodes in the corners** and center are all serial#, this enables a better chance of getting a scan when it slides over the fixed mount scanner they are fabricating for their workstations. We have to code some GAB to handle the multiple string returns and validate serial# coming from the scan.

The **Drill barcode** is for a specific machine that drills a certain profile/size of holes into the door. For Dowling or hinge placements.

The **plain text data above-left** is telling the shop floor personnel specific data about the door that they use for decision making and tracking, sorting, kitting and picking these serialized doors.

The **plan text data below-left** is the Workcenters (Path) the door should take.

When the serial# is scanned at the custom workcenter screens, it uses serial# to look up order > job > operation and find the sequence matching the Workcenter they are at *(custom setting on GAB form, see below)*, if they scan a serial# and the workcenter they are at is not required, they have the option to still clock in and apply time to the misc. sequence.

We track unique serial#s and completion steps on each scan to track when it is started/completed and record it in a custom table.

They can also use the serial# to quarantine a door using a custom gab form that allows them to scan serial. These parts/serial#s are reviewed and determined to be good/rework or remake via another custom gab form. (not using GSS quality module)

Text

Description automatically generated

**Shop Floor Control > Transactions > Work Order Non Door (5364):**

This is a queue to manage the release of work orders/labels for jobs that do not go through the Door program (Cutrite).

From here, their office personnel can print the work order and labels needed for the shop floor. These records are created but the custom gab service that runs on online update and creates the work orders triggered from order entry (scope mentioned above in spec)

A picture containing graphical user interface

Description automatically generated

**Shop Floor Control > Transactions > Vinyl Press SFDC (5364):**

This gab form will be on a big TV mounted above for the operator that runs their vinyl press.

The operator will **have a mounted scanner** where he can slide doors/labels(serial#) scanned onto the table. If they need to quarantine a part, they can hit the button on bottom-right to scan a serial# and quarantine it, if it was scanned into the grid already, it will remove it, so it is not in the batch.

As they scan pieces onto the table, it builds up a metric of utilization (i.e. Linear Meter Vinyl Sheet Inventory Converted to Square footage compared to square foot area of the table). The Vinyl is pressed/heated over multiple doors/molding in order to produce the same finish color on doors that go together. Batching by finish color is important at this Workcenter but they can run multiple colors (up to 3) in a single batch (full, half or quarter sheets)

We record the metric of utilization when the batch is started, and material is issued to the jobs in batch. We aggregately spread the material issued across all jobs based on each individual job/part’s material estimate per piece in the work order; this is very similar to when you issue to a flex schedule in core, but all handled in GAB/Callwrapper.

The start time of each piece is recorded for each serial# in batch and when the pieces are scanned into the WIP-to-FG screen or another screen the time stops. If the piece is quarantined and a time has been started, but not stopped, the quarantine application will stop the time and report a completed piece. If the requirement for completed pieces has already been met, it will apply time to the rework sequence assuming the part is a remake or in some cases reworked (rework is very rare, usually quality issues on doors result in a complete remake/cut of the door, see quarantine queue further in spec).

![Table

Description automatically generated]()**\*note:** a remake produces a new unique serial# but same job is used, this is because we are not using the quality module and still lets them track buckets of labor differently. Scrapped piece, date, reason and Workcenter are all tracked in a custom table where JB Cutting will design their reports to pull from these custom tables.

**Shop Floor Control > Transactions > WorkCenter SFDC (5364):**

From this screen, the workcenters outside of vinyl press can use serial# to start/stop time because these stations will have scanners to scan the serial# on the label printed for each door/piece for that work order.

**\*note**: some other workcenters for other custom products will use the standard SFDC from core global shop to clock in/out. This is designed to use serial# to scan in/out.

Table

Description automatically generated

Graphical user interface, application

Description automatically generatedThey can quarantine a part as well from this screen just like the vinyl press.

**Shop Floor Control > Transactions > Part Quarantine Queue Review (5364):**

This screen allows a manager/quality-personnel to make a decision on good/bad doors that have been quarantined by an operator *(i.e. there is a small bubble in the vinyl, or this door has a chip on the inset, so should we fix, ignore, buff or remake, etc.)*

If serial# is scrapped, it is recorded in our custom table and this triggers a remake for the door to be recut and will show up in the cutrite batch export screen as a yellow row.

If pieces are determined NOT to be scrapped, they are just removed from this table and move on to the next step.

If it is molding (i.e. not serialized and qty > 1) there is a quantity-decision that is made for when some may be scrapped vs. not, but still it just updates the scrap quantity for that part/record in our custom table so that the pct-quality-factor can be retrieved in a JBC custom report that pulls from our custom tables.

Graphical user interface, application, table

Description automatically generated

**Shop Floor Control > Administration > Create Spray Schedule(5364):**

Shop Floor Admin > Create Spray Schedule. This program was designed so users can create a schedule that can be clocked onto to track time against all Serial Numbers that have been added to the created Schedule Number. This was created since qty cannot be controlled with Flex Schedules.

Graphical user interface

Description automatically generated with low confidence

**Shop Floor Control > Transactions > Spray Schedule SFDC (5364):**

Table

Description automatically generatedShop Floor > Transactions > Spray Schedule SFDC allow the user to select a created Schedule and Start and Stop Time. After each stop the program will prompt the user if schedule is complete if not the schedule stay open for additional time to be applied.

**Shop Floor Control > Transactions > WIP TO FG (5364):**

Parts get checked in here (Scan Serial#) and Written to a Queued table that will be processed from Online Update. Only when the full Qty on the Job has been met will the Queued records be processed. This screen will sit in an area where they trim and do a final quality check on doors as they stage/kit them to be picked/packed by their shipping personnel. They kit/pick/ship the entire order so they like to be sure all pieces are there before they start picking.

\***note:** in order to pick/ship from this area/bin, they must WIP to FG the serial#s first.

Bin will be selected and will show in the grid so user knows where to take the scanned part.

The **Piece Serial Number** is where they cursor will be defaulted to for accepting a scanned Serial#.

Graphical user interface

Description automatically generated with low confidence

**Shop Floor Control > Transactions > Cut-Rite Label Reprint (5364):**

Ability to reprint Labels that have been damaged or Lost

Graphical user interface, table

Description automatically generated with medium confidence

**Shipping and Receiving > View > Bin Status View(5364):**

Shipping and Receiving > View > Bin Status view shows all allocated bins and a status of parts that have been put into inventory.

A picture containing graphical user interface

Description automatically generated

**Sales Analysis > View > Sales History (5364)**Graphical user interface, application, table, Excel

Description automatically generated**:**

SA > View > Sales History Dashboard (5364) this show Invoice History and the data that is entered on the Custom OE Form.

**Shop Floor Control > Transactions > Flex Schedule Comments(5364):**

Flex Schedule Comments. Was a program created to be able to add Comments to a Flex Schedule that could be viewed by the Shop. Currently this program is not in used and never gone through testing.

Graphical user interface, table

Description automatically generated**Inventory > Administration > Color Maintenance (5364**Graphical user interface, application, table, Excel

Description automatically generated**): Information use only.**

Color Maint is a program to indicate what the 4 digit number =’s what color. For Example.

Part Number.

This is a Material Part. So this indicates this is White Vinyl

VNL-0001-\*\*\*\*\*-\*\*

Table

Description automatically generated**Shop Floor Control > Administration > Cut-Rite Batch Reversal(5364):**

Cut-Rite Reversal gives the ability to mark a job as not batch so that the Job can be resent to Cut rite program to recut the doors and have Label Data Created/Updated..

Table

Description automatically generated

**Shop Floor Control > Administration > Job Non-Door Admin Reversal(5364):**

Non Door Admin Reversal gives the ability to mark a job as not Released so that the Job can be released again and have Label Data Created/Updated.

**Shop Floor Control > Administration > Rework Qty Add (5364):**

Rework Qty Add was a program that was created to allow a user to be able to create/update Rework Qty that is tied to a Job. There have been scenarios where a Part is marked as scrap but doesn’t make it into the Rework Table.

Graphical user interface

Description automatically generated

**Inventory > Transactions > Sales Order Bin Allocation (5364):**

Sales Order Bin Allocation allows the user to move parts from 1 bin to another. This is so a if a larger bin needs to be used and a smaller order is using that bin that smaller order can be moved to a smaller bin.

Table

Description automatically generated

**Order Entry > View > SO/WO Dashboard (5364):**

This is the same as every other Sales Order to Work Order Dashboard that has been release. The only difference is Custom Data as been added to the grid.

Graphical user interface, application, table, Excel

Description automatically generated

**Shipping and Receiving > View > Shipping Dashboard (5364):**

Same as the Standard Shipping Dashboard. The only difference is Custom Data as been added to the grid and a child table as been added to show the serial numbers that are tied to the Order/Line and if that Serial has been put into Inventory or has been marked as scrap.

Table

Description automatically generated

**Shipping and Receiving > View > Sales Order Additional Part Labels(5364):**

This program gives the ability to have the cut-rite label be printed even though there has been no Label Data Generated for that part. This information doesn’t get saved to the Label Data but is built during the printing process to be able to create a label for the selected part.

Table

Description automatically generated

**Shop Floor Control > View > Scrap Dashboard (5364):**

Dashboard created to view information for Serial Number that have been marked as scrap.

Graphical user interface, application, table

Description automatically generated

**Shop Floor Control > View > Serial Number View (5364):**

Search and load Data of Work Done to the Serial Number(s) that is being loaded. According to the single serial number entered or the Job/Suffix or Order/Line that has been entered in.

Table

Description automatically generated

**Shop Floor Control > View > Work Order Generation View (5364):**

During the Work Order Generation. That program writes any captured error to a table that can be viewed on this Dashboard. This is used to see if that program stops working.

Graphical user interface, text, application, email

Description automatically generated

**Shop Floor Control > View > Work Order Issue View (5364):**

Quick Grid to show Parts that have been put onto a Sales Order that has a sort code to indicate a Work Order needs to be created. This screen will display what keeps a Work Order from being generated. Majority of the time it is due to no valid router set up on the Inventory Part.

Table

Description automatically generated

**Shipping and Receiving > Reports > Customer Shipped Lines by Date (5364):**

This generates a Crystal report for all Order/Lines that have been shipped to a selected customer for the selected Date.

Graphical user interface, application

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

**On Line System > Administration > GAB GUI Maintenance (5364):**

Graphical user interface, application

Description automatically generatedThis menu item allows the customer to be able to add custom menu items that can be launched from the GUI Script Button. Select Hook Number and once added to the grid. Enter in a Button Name.

Table

Description automatically generated