**OBJECTIVE**

Streamline service planning project management and time to complete a project.

**GOAL**  
Utilize python and excel to produce a spreadsheet that automatically updates the status of projects in Charlotte County

**PROCESS**

1. Creating the spreadsheet

Stating: on the Charlotte County Citizen Access Website: <https://secureapps.charlottecountyfl.gov/citizenaccess/Welcome.aspx>

Go to Reports (next to login) >Issued Building permits

Select the permit type as construction

Adjust the other fields if necessary (I.E. zip code)

Move the applied date (start) to 01/01/2020 (same for issued date and CoDateStart)

Move the applied date (end) to 01/01/2023 (same for issued date and CoDateEnd)

Submit

1. Code

The goal of the code is to create an iterative process that cycles through the County website by inputting the permit number and producing the most updated status of a job by selecting the most recent inspection completed.

There are numerous different types of inspections, but the updated status will only consist of five main status updates. These are: Not Started (NS), Slab, Walls, Roof, Inspection (INSP).

Once the status has been obtained and simplified, it will be recorded on the original spreadsheet and then the priority level of the job will be dictated by the service planner based on the most updated job status.

Steps to lookup most recent inspection

1. Enter permit number or address
2. Search
3. Click on record info
4. Select Inspections
5. Scroll down to Completed

Example:

<https://secureapps.charlottecountyfl.gov/CitizenAccess/Cap/CapDetail.aspx?Module=Building&TabName=Building&capID1=16SF&capID2=00000&capID3=00027&agencyCode=BOCC>

**if cancelled, failed, or approved-🡪 Move to next permit**

**if passed-🡪 select and read out**

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| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | **Cancelled** Footer (683511)🡪NS |  | [**View Details**](javascript:void(0)) | |
| |  |  |  | | --- | --- | --- | | **Pass** Footer (689547) 🡪NS |  | [**View Details**](javascript:void(0)) | |
| |  |  |  | | --- | --- | --- | | **Cancelled by County** Tree (690492) |  | [**View Details**](javascript:void(0)) | |
| |  |  |  | | --- | --- | --- | | **Approved as Noted** Barricade (690908) |  | [**View Details**](javascript:void(0)) | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Pass** Plumbing Underground (683487)   |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | **Pass** Slab (683482) 🡪SLAB |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Wall Sheathing (683510) 🡪WALL |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Roof Sheathing (698465) 🡪ROOF |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Approved as Noted** Soil (702833) |  | [**View Details**](javascript:void(0)) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Pass** Dry In (683493) 🡪ROOF   |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | **Approved as Noted** Buck (683503) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** ROW Line and Grade (679769) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Fail with Fee** Electric Rough (683483) 🡪Rough |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Fail without Fee** Framing (683481) 🡪ROOF |  | [**View Details**](javascript:void(0)) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Fail without Fee** Electric Temporary Service (683484) 🡪INSP   |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | **Fail without Fee** HVAC Rough (683485) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Fail without Fee** Plumbing Rough (683490) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Fail with Fee** Framing (706734) 🡪WALLS |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Electric Rough (706732) 🡪Rough |  | [**View Details**](javascript:void(0)) | | | |  | | --- | | **Pass** HVAC Rough (706750) | | | | | | | |  |  |  | | --- | --- | --- | | **Pass** Plumbing Rough (706751) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Electric Temporary Service (706749) 🡪INSP |  | [**View Details**](javascript:void(0)) | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Pass** Framing (707723) 🡪ROOF   |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | **Pass** Insulation (683491) 🡪ROOF |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Plumbing Sewer/Septic (683489) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** Plumbing Water (683488) |  | [**View Details**](javascript:void(0)) | | | |  |  |  | | --- | --- | --- | | **Pass** ROW Pipe (679770) |  | [**View Details**](javascript:void(0)) | | |  | | | | |