Legal Name Issue

- Incorrect legal name is being returned for Sole Proprietorship and General Partnership business types on the GET business endpoint
- The operating name of the business is being returned in legal name field for firms
- The firm owners should be returned in legal name field
- All other business types(Benefit and Cooperative companies) are returning the correct legal name on the GET business endpoint.

Examples of Issue

Sole Proprietorship

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/FM0554669

```
{
  "business": {
    "legalName": "BOOTS LOWBED LOG HAUL - IMPORT_TEST",
    "legalType": "SP"
    ...
  }
}
```

legalName should be "FIRST_NAME MIDDLE_NAME LAST_NAME"

General Partnership

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/FM0116406

```
{
  "business": {
    "legalName": "EXCELL BATTERY COMPANY - IMPORT_TEST",
    "legalType": "GP"
    ...
  }
}
```

legalName should be "400396 BC LTD, 657719 BC LTD., et al"

Fix

- **legalName** field will be updated to return correct value for Sole Proprietorships and General Partnerships.
- A new **alternateNames** field will be added to the GET business endpoint response. Operating names as well as other name types can be retrieved from this new field.

Sole Proprietorship

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/FM0554669

Before

```
{
  "business": {
    "entityType": "SP",
    "identifier": "FM0554669",
    "legalType": "SP",
    "legalName": "BOOTS LOWBED LOG HAUL - IMPORT_TEST",
    ...
  }
}
```

After

```
{
  "business": {
    "identifier": "FM0554669",
    "legalType": "SP",
    "legalName": "FIRST_NAME MIDDLE_NAME LAST_NAME",
    "alternateNames": [
      {
        "entityType": "SP",
        "identifier": "FM0554669",
        "registeredDate": "2011-04-14T22:50:14+00:00",
        "startDate": "2011-04-14",
        "name": "BOOTS LOWBED LOG HAUL - IMPORT_TEST",
        "type": "DBA"
      }
    ],
    ...
  }
```

```
  }
```

General Partnership

Example with one operating name

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/FM0116406

Before

```
{
  "business": {
    "identifier": "FM0116406",
    "legalType": "GP"
    "legalName": "EXCELL BATTERY COMPANY - IMPORT_TEST",
    ...
  }
}
```

After

```
{
  "business": {
    "identifier": "FM0116406",
    "legalType": "GP",
    "legalName": "400396 BC LTD, 657719 BC LTD., et al",
    "alternateNames": [
      {
        "entityType": "GP",
        "identifier": "FM0116406",
        "registeredDate": "1991-03-06T08:00:00+00:00",
        "startDate": "1991-03-06",
        "name": "EXCELL BATTERY COMPANY - IMPORT_TEST",
        "type": "DBA"
      }
    ],
    ...
  }
}
```

Example with more than one operating name

Example where a business owns a firm(FM1111111). **alternateNames** field has two operating name entries - one for the business(FM1000019, FOX FOOD CHAIN) being retrieved and one for the owned firm(FM1111111).

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/FM1000019

Before

```
{
  "business": {
    "identifier": "FM1000019",
    "legalType": "GP",
    "legalName": "FOX FOOD CHAIN",
    ...
  }
}
```

After

```
{
  "business": {
    "identifier": "FM1000019",
    "legalType": "GP",
    "legalName": "FOX2 DO2, FOX3 DO3",
    "alternateNames": [
      {
        "entityType": "GP",
        "identifier": "FM1000019",
        "registeredDate": "2021-04-28T00:00:00+00:00",
        "startDate": "2022-04-29",
        "name": "FOX FOOD CHAIN",
        "type": "DBA"
      },
      {
        "entityType": "SP",
        "identifier": "FM1111111",
        "registeredDate": "2023-05-10T00:00:00+00:00",
        "startDate": "2023-05-10",
        "name": "SWIFT FOX SNACKS",
        "type": "DBA"
      }
    ]
```

```
      ...
  }
}
```

Other Business Types (Benefit and Cooperative)

Example with no operating names

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/BC1230084

Before
```
{
  "business": {
    "identifier": "BC1230084",
    "legalType": "BEN",
    "legalName": "1230084 B.C. LTD.",
    ...
  }
}
```

After
```
{
  "business": {
    "identifier": "BC1230084",
    "legalType": "BEN",
    "legalName": "1230084 B.C. LTD.",
    "alternateNames": [],
    ...
  }
}
```

Example with operating names

Example where a business owns some firms which are operating under specific names.

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/BC0871490

Before
```
{
  "business": {
```

```json
    "identifier": "BC0871490",
    "legalType": "BEN",
    "legalName": "OFFICE CHAIRS COMPANY CORP.",
    ...
  }
 }
```

After

```json
{
  "business": {
    "identifier": "BC0871490",
    "legalType": "BEN",
    "legalName": "OFFICE CHAIRS COMPANY CORP.",
    "alternateNames": [
      {
        "entityType": "SP",
        "identifier": "FM1032630",
        "registeredDate": "2023-03-16T21:35:43.599246+00:00",
        "startDate": "2023-03-16",
        "name": "FIX",
        "type": "DBA"
      },
      {
        "entityType": "SP",
        "identifier": "FM1032736",
        "registeredDate": "2023-03-17T23:39:25.980718+00:00",
        "startDate": "2023-03-17",
        "name": "SOME DBA TEST",
        "type": "DBA"
      }
    ],
    ...
  }
}
```

Example with operating names + name translations

Example where a business owns some firms which are operating under specific names and also has multiple name translations.

GET https://legal-api-dev.apps.silver.devops.gov.bc.ca/api/v2/businesses/BC0871490

Before

```
{
  "business": {
    "identifier": "BC0871490",
    "legalType": "BEN",
    "legalName": "OFFICE CHAIRS COMPANY CORP.",
    ...
  }
}
```

After

```
{
  "business": {
    "identifier": "BC0871490",
    "legalType": "BEN",
    "legalName": "OFFICE CHAIRS COMPANY CORP.",
    "alternateNames": [
      {
        "entityType": "SP",
        "identifier": "FM1032630",
        "registeredDate": "2023-03-16T21:35:43.599246+00:00",
        "startDate": "2023-03-16",
        "name": "FIX",
        "type": "DBA"
      },
      {
        "name": "OFFICE CHAIRS COMPANY TRANSLATION 1",
        "startDate": "2022-05-01",
        "type": "TRANSLATION"
      },
      {
        "name": "OFFICE CHAIRS COMPANY TRANSLATION 2",
        "startDate": "2022-05-03",
        "type": "TRANSLATION"
      }
    ],
    ...
  }
}
```

What this means for API consumers

- **legalName** field is now returned correctly for Sole Proprietorships and General Partnerships in the GET business endpoint
- Update code to use primary name(`business.identifier == business.alternatenames.identifier`) in **alternateNames** for Sole Proprietorships and General Partnerships if operating name is required from GET business endpoint