INEIGHT

Explore API Documentation

SelfService_Estimate_AccountCodes

Version 1.0

Last Modified: 19-Nov-2024

Last Modified By: Natalie Takacs

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Change Log

This changelog only contains significant or notable changes to the revision. Any editorial type changes or minor changes are not included.

Revision	Change Date	Description	Modified By
1.0	20-Jan-2022	Initial draft	Natalie Takacs
1.1	26-Mar-2024	Updated sample data used in field descriptions and sample section and updated screenshots used in data validation section	Aaron Cohen

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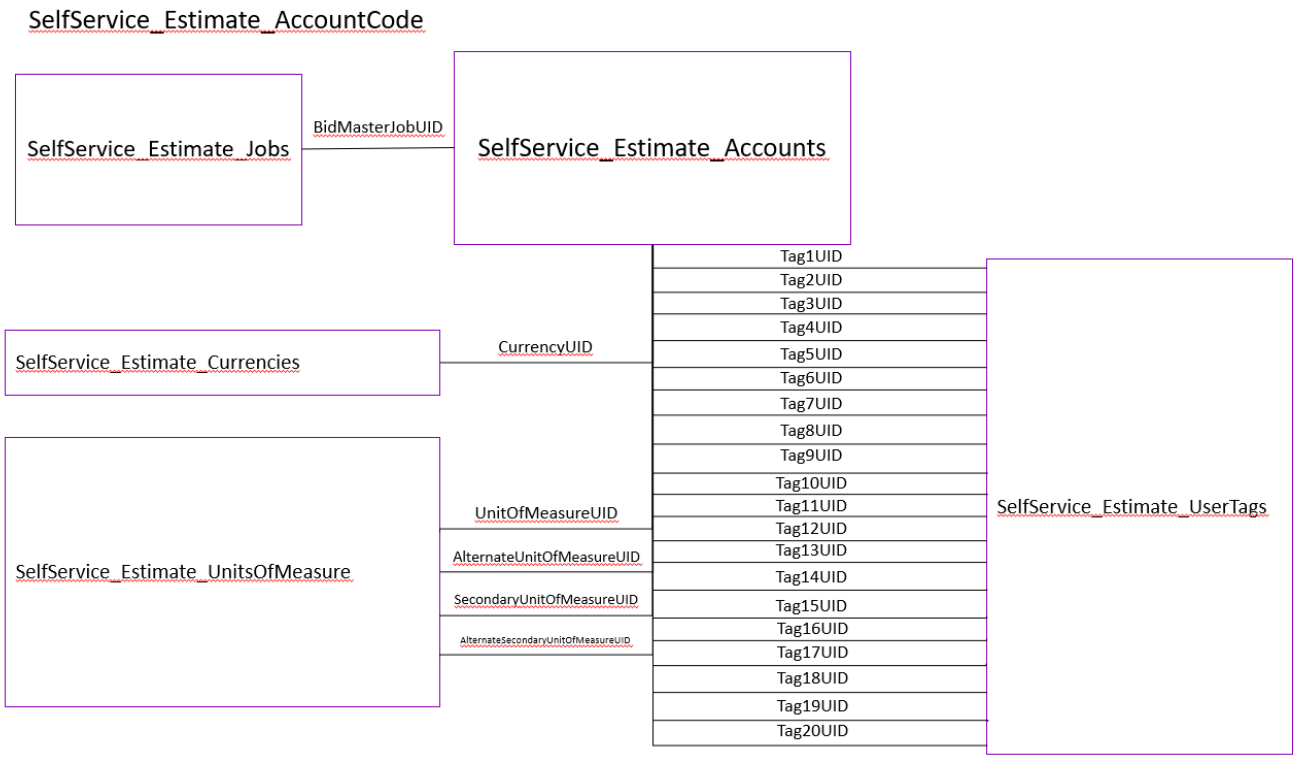
Overview

The ***SelfService_Estimate_AccountCodes*** API provides the list of Account Codes as defined in an Estimate jobs Foundation Setup Data Register.

Relationships and Dependencies

From: Table	To: Table	Relationship	Cardinality[1]
Accounts (A)	Jobs (J)	A.BidMasterJobUID = J.BidMasterJobUID	M:1
Accounts (A)	UnitsOfMeasure (UMP)	A.UnitOfMeasureUID = UMP.UID	M:1
Accounts (A)	UnitsOfMeasure (UMPB)	A.AlternateUnitOfMeasureUID = UMPB.UID	M:1
Accounts (A)	UnitsOfMeasure (UMS)	A.SecondaryUnitOfMeasureUID = UMS.UID	M:1
Accounts (A)	UnitsOfMeasure (UMSB)	A.AlternateSecondaryUnitOfMeasureUID = UMSB.UID	M:1
Accounts (A)	Currencies (CUR)	A.CurrencyUID = CUR.UID	M:1
Accounts (A)	UserTags (UT)	A.UserTagUID = UT.UID	M:1



[1] *1:M = One to Many, 1:1 = One to One, M:1 = Many to one*

API Detail

Direction		From Project Suite
Pagination		50,000 Rows
Frequency		All Reporting APIs are used by calling a GET method at an interval determined by the customer. InEight suggests using these APIs on an infrequent basis (once per day) to avoid potential performance impact to live systems when the returned data set could be large.
Trigger Method(s)		All default OData filters are supported
Average Payload Size		Depends on date range selected
APIM Name		SelfService_Estimate_AccountCode
Replicate View		[SelfService].[vwEstimateAccountCode]
Data Refresh/Delta/Incremental Loads		This API must be run as a full refresh each time. Reporting ODS refresh is every 15 minutes.
Project Suite	**Starting Version**	21.5
	Ending Version	N/A

Supported Filters

All default OData filters are supported by this API.

Fields

Name	Type	CharMaxLength	NumericPrecision	DatePrecision	Product	PK
EstimateAccountCodeId	bigint	8	19	0	Estimate	X
EstimateAccountCodeUF	uniqueidentifier	16	0	0	Estimate	
EstimateAccountCodeUID	uniqueidentifier	16	0	0	Estimate	
AccountLevel	int	4	10	0	Estimate	
AlternateSecondaryUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
AlternateUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
Code	nvarchar	100	0	0	Estimate	
EstimateCurrencyUID	uniqueidentifier	16	0	0	Estimate	
Description	nvarchar	600	0	0	Estimate	
IsQuantityCalculated	bit	1	1	0	Estimate	
IsQuantityContributorPrimary	bit	1	1	0	Estimate	
IsQuantityContributorPrimaryToSecondary	bit	1	1	0	Estimate	

IsQuantityContributorSecondary	bit	1	1	0	Estimate	
IsSecondaryQuantityCalculated	bit	1	1	0	Estimate	
Notes	nvarchar	8000	0	0	Estimate	
Quantity	float	8	53	0	Estimate	
SaveID	int	4	10	0	Estimate	
SecondaryQuantity	float	8	53	0	Estimate	
SecondaryUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
EstimateUnitOfMeasureUID	uniqueidentifier	16	0	0	Estimate	
UserDefined1	nvarchar	500	0	0	Estimate	
UserDefined2	nvarchar	500	0	0	Estimate	
UserDefined3	nvarchar	500	0	0	Estimate	
UserDefined4	nvarchar	500	0	0	Estimate	
UserDefined5	nvarchar	500	0	0	Estimate	
UserDefined6	nvarchar	500	0	0	Estimate	
UserDefined7	nvarchar	500	0	0	Estimate	
UserDefined8	nvarchar	500	0	0	Estimate	
UserDefined9	nvarchar	500	0	0	Estimate	
UserDefined10	nvarchar	500	0	0	Estimate	
EstimateUserTag1UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag2UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag3UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag4UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag5UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag6UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag7UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag8UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag9UID	uniqueidentifier	16	0	0	Estimate	

EstimateUserTag10UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag11UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag12UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag13UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag14UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag15UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag16UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag17UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag18UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag19UID	uniqueidentifier	16	0	0	Estimate	
EstimateUserTag20UID	uniqueidentifier	16	0	0	Estimate	
BidMasterJobUID	uniqueidentifier	16	0	0	Estimate	
LastUpdateID	int	4	10	0	Estimate	
IsActive	bit	1	1	0	Report	
CreatedById	bigint	8	19	0	Report	
CreatedDate	datetimeoffset	10	34	7	Report	
ModifiedById	bigint	8	19	0	Report	
ModifiedDate	datetimeoffset	10	34	7	Report	

Field Descriptions

Name	Description	Example
EstimateAccountCodeId	Unique identifier assigned to each record in the table	606709
EstimateAccountCodeUF	System generated field, for internal use only	724cbfe5-e7af-0119-3bd1-3ec8d9ea3700
EstimateAccountCodeUID	Unique identifier for Account Code entries Not visible in the Interface	e41af598-8584-4002-937a-337bc0859c04
AccountLevel	Field for internal use only	1
AlternateSecondaryUnitOfMeasureUID	Identifier of an Account Codes Secondary Unit of Measure entry in the UnitsOfMeasure table.	null

	Each Unit of Measure is related to the systems base Unit of Measure in order to convert between quantities having the same measurement type (Length, Area, Volume, etc.). This value is not visible in the Interface.	
AlternateUnitOfMeasureUID	Identifier of an Account Codes Base Unit of Measure entry in the UnitsOfMeasure table. Each Unit of Measure is related to the systems base Unit of Measure in order to convert between quantities having the same measurement type (Length, Area, Volume, etc.). This value is not visible in the Interface.	368653b4-9b1c-48ad-8453-f39177660063
Code	It is the code value unique to each Account Code. It is the 'Account Code' field in the Interface.	1120.100
EstimateCurrencyUID	Identifier of the Account Code records assigned *Currency* value from the Currencies table. Found on the Account Code Record & Register.	58687bb8-8107-4b88-ae04-f236c3050e58
Description	Account Codes Description field value. Found on the Account Code record and Register	Furn and Haul Base Material
IsQuantityCalculated	Flag used to determine if an Account Codes quantity is calculated.	true
IsQuantityContributorPrimary	Flag used to determine if the Primary Quantity is contributing to its parent Account codes quantity	false
IsQuantityContributorPrimaryToSecondary	Flag used to determine if Account code's primary quantity contributes to Secondary quantity of the parent Account codes	false

IsQuantityContributorSecondary	Flag used to determine if an Account Codes Secondary quantity is calculated	false
IsSecondaryQuantityCalculated	Flag used to determine if an Account Codes quantity is calculated.	false
Notes	Multi-line text field for storing Notes on Pay Item entries	null
Quantity	Value of the Account Codes *Quantity* field.	40823311500
SaveID	Field for internal use only	404
SecondaryQuantity	Value of the Account Codes *Secondary Quantity* field.	0
SecondaryUnitOfMeasureUID	Identifier of the Account Codes *Secondary Quantity Unit of Measure* in the UnitsOfMeasure table. Found on the Account Code record and Register.	null
EstimateUnitOfMeasureUID	Identifier of the Account Codes *Unit of Measure* in the UnitsOfMeasure table. Found on the Account Code record and Register.	c985403d-620f-4af0-96da-3c2df9edac6c
UserDefined1	Description of the User defined1 field	null
UserDefined2	Description of the User defined2 field	null
UserDefined3	Description of the User defined3 field	null
UserDefined4	Description of the User defined4 field	null
UserDefined5	Description of the User defined5 field	null
UserDefined6	Description of the User defined6 field	null
UserDefined7	Description of the User defined7 field	null
UserDefined8	Description of the User defined8 field	null
UserDefined9	Description of the User defined9 field	null
UserDefined10	Description of the User defined10 field	null

EstimateUserTag1UID	Tag field identifier for the value of Tag1 from the UserTags table	null
EstimateUserTag2UID	Tag field identifier for the value of Tag2 from the UserTags table	null
EstimateUserTag3UID	Tag field identifier for the value of Tag3 from the UserTags table	null
EstimateUserTag4UID	Tag field identifier for the value of Tag4 from the UserTags table	null
EstimateUserTag5UID	Tag field identifier for the value of Tag5 from the UserTags table	null
EstimateUserTag6UID	Tag field identifier for the value of Tag6 from the UserTags table	null
EstimateUserTag7UID	Tag field identifier for the value of Tag7 from the UserTags table	null
EstimateUserTag8UID	Tag field identifier for the value of Tag8 from the UserTags table	null
EstimateUserTag9UID	Tag field identifier for the value of Tag9 from the UserTags table	null
EstimateUserTag10UID	Tag field identifier for the value of Tag10 from the UserTags table	null
EstimateUserTag11UID	Tag field identifier for the value of Tag11 from the UserTags table	null
EstimateUserTag12UID	Tag field identifier for the value of Tag12 from the UserTags table	null
EstimateUserTag13UID	Tag field identifier for the value of Tag13 from the UserTags table	null
EstimateUserTag14UID	Tag field identifier for the value of Tag14 from the UserTags table	null

EstimateUserTag15UID	Tag field identifier for the value of Tag15 from the UserTags table	null
EstimateUserTag16UID	Tag field identifier for the value of Tag16 from the UserTags table	null
EstimateUserTag17UID	Tag field identifier for the value of Tag17 from the UserTags table	null
EstimateUserTag18UID	Tag field identifier for the value of Tag18 from the UserTags table	null
EstimateUserTag19UID	Tag field identifier for the value of Tag19 from the UserTags table	null
EstimateUserTag20UID	Tag field identifier for the value of Tag20 from the UserTags table	null
BidMasterJobUID	Job identifier of the Account Code entry from the Jobs table. Not visible in the interface.	96564a7d-622b-411b-a8ab-0db3196fab04
LastUpdateID	Field for internal use only	3277
IsActive	Indicates if record is active. Please note: records will become inactive if a user un-syncs a job from Estimate application	true
CreatedById	System generated Id, will always represent the system, not actual users. This field is for internal use only.	1
CreatedDate	Date/timestamp record is entered	2024-03-26T18:24:01.8413778Z
ModifiedById	System generated Id, will always represent the system, not actual users. This field is for internal use only.	1
ModifiedDate	Date/timestamp record is modified	2024-03-26T18:24:01.8413778Z

Sample

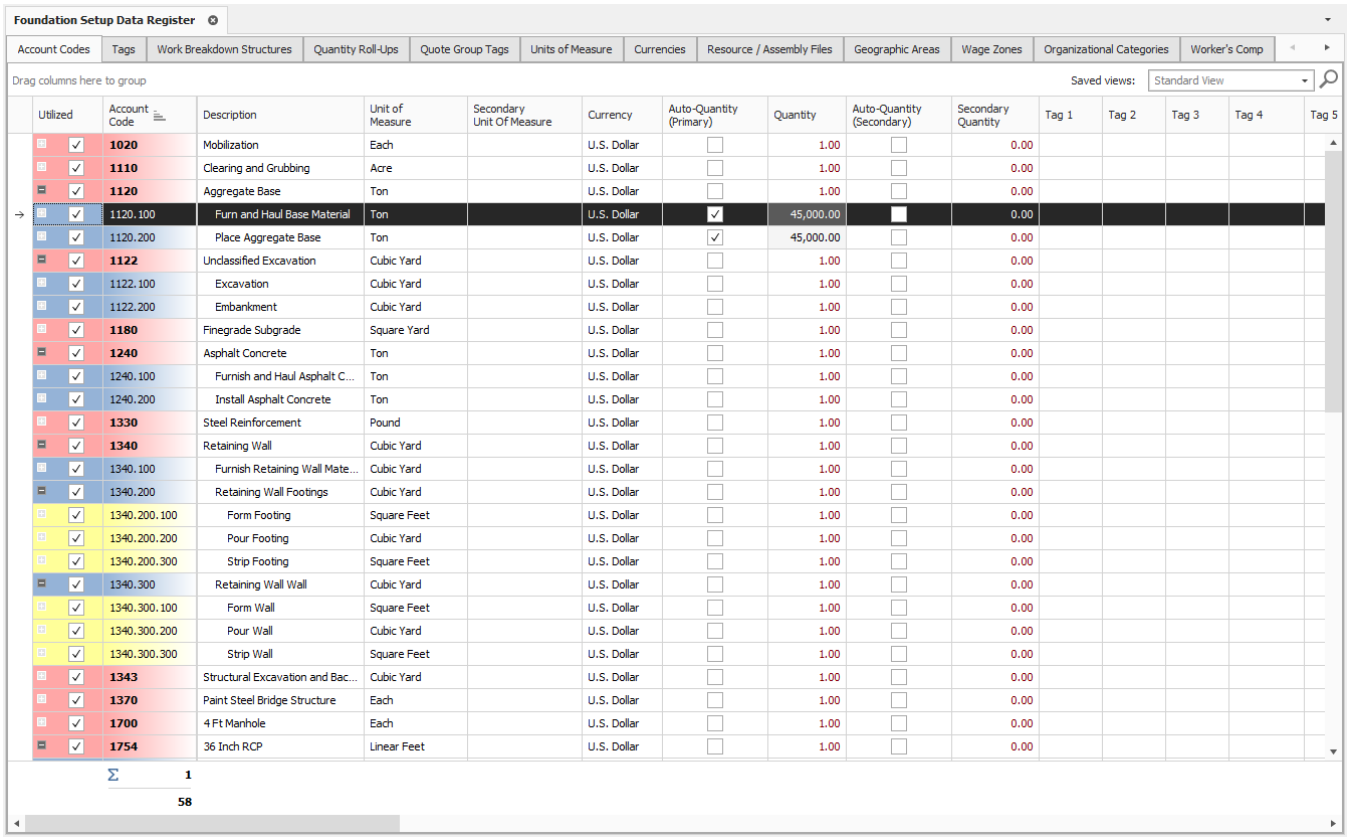

```
{
        "EstimateAccountCodeId": 606709,
        "EstimateAccountCodeUF": "724cbfe5-e7af-0119-3bd1-3ec8d9ea3700",
        "EstimateAccountCodeUID": "e41af598-8584-4002-937a-337bc0859c04",
        "AccountLevel": 1,
        "AlternateSecondaryUnitOfMeasureUID": null,
        "AlternateUnitOfMeasureUID": "368653b4-9b1c-48ad-8453-f39177660063",
        "Code": "1120.100",
        "EstimateCurrencyUID": "58687bb8-8107-4b88-ae04-f236c3050e58",
        "Description": "Furn and Haul Base Material",
        "IsQuantityCalculated": true,
        "IsQuantityContributorPrimary": false,
        "IsQuantityContributorPrimaryToSecondary": false,
        "IsQuantityContributorSecondary": false,
        "IsSecondaryQuantityCalculated": false,
        "Notes": null,
        "Quantity": 40823311500.0,
        "SaveID": 404,
        "SecondaryQuantity": 0.0,
        "SecondaryUnitOfMeasureUID": null,
        "EstimateUnitOfMeasureUID": "c985403d-620f-4af0-96da-3c2df9edac6c",
        "UserDefined1": null,
        "UserDefined2": null,
        "UserDefined3": null,
        "UserDefined4": null,
        "UserDefined5": null,
        "UserDefined6": null,
        "UserDefined7": null,
        "UserDefined8": null,
        "UserDefined9": null,
        "UserDefined10": null,
        "EstimateUserTag1UID": null,
        "EstimateUserTag2UID": null,
        "EstimateUserTag3UID": null,
        "EstimateUserTag4UID": null,
        "EstimateUserTag5UID": null,
        "EstimateUserTag6UID": null,
        "EstimateUserTag7UID": null,
        "EstimateUserTag8UID": null,
        "EstimateUserTag9UID": null,
        "EstimateUserTag10UID": null,
        "EstimateUserTag11UID": null,
        "EstimateUserTag12UID": null,
        "EstimateUserTag13UID": null,
        "EstimateUserTag14UID": null,
        "EstimateUserTag15UID": null,
        "EstimateUserTag16UID": null,
        "EstimateUserTag17UID": null,
```

```
        "EstimateUserTag18UID": null,
        "EstimateUserTag19UID": null,
        "EstimateUserTag20UID": null,
        "BidMasterJobUID": "96564a7d-622b-411b-a8ab-0db3196fab04",
        "LastUpdateID": 3277,
        "IsActive": true,
        "CreatedById": 1,
        "CreatedDate": "2024-03-26T18:24:01.8413778Z",
        "ModifiedById": 1,
        "ModifiedDate": "2024-03-26T18:24:01.8413778Z"
}
```


Data Validation

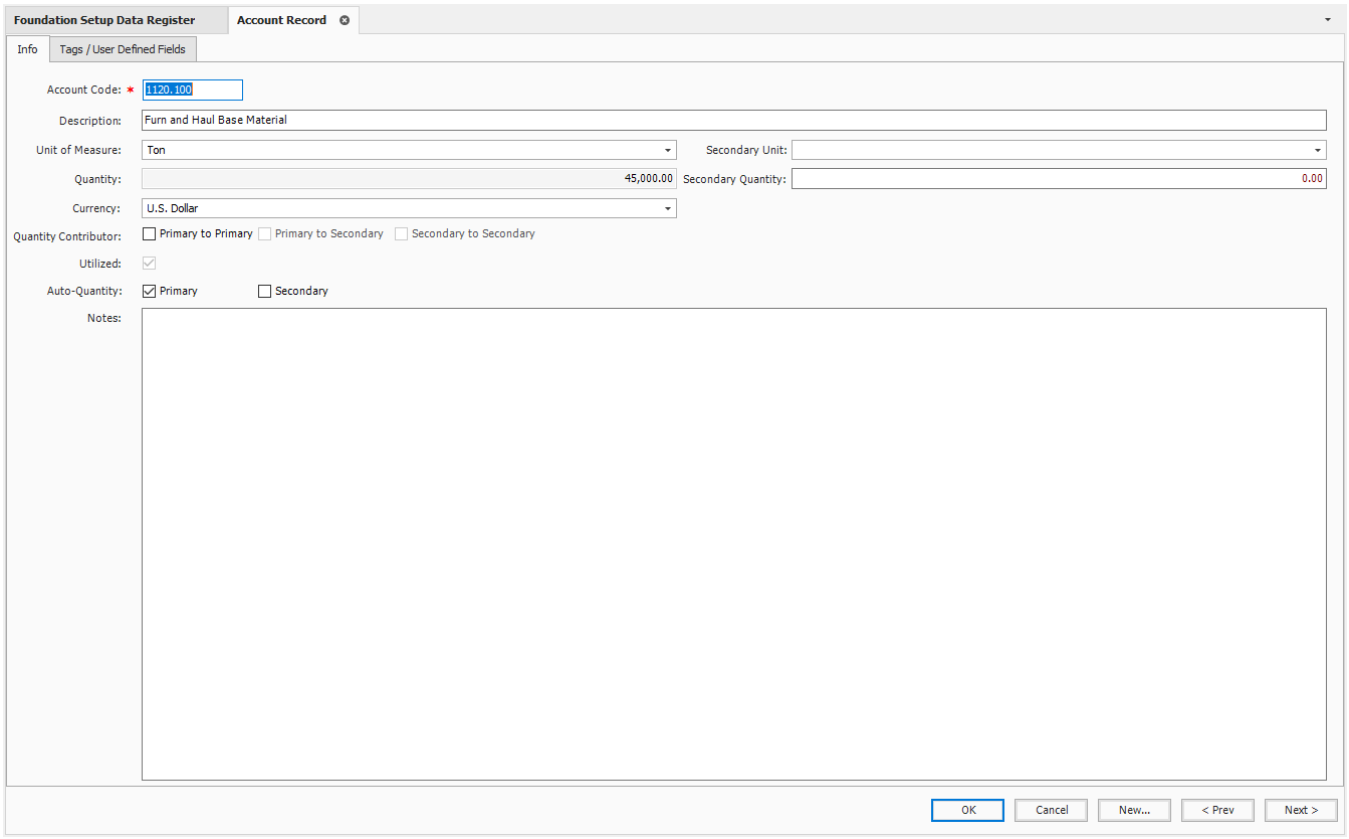
This data can be validated by viewing Account Codes in the Account Code register or opening an Account Code Record directly from the register.

Figure 1: Setup-> Foundation Setup Data> Account Codes



Utilized	Account Code	Description	Unit of Measure	Secondary Unit Of Measure	Currency	Auto-Quantity (Primary)	Quantity	Auto-Quantity (Secondary)	Secondary Quantity	Tag 1	Tag 2	Tag 3	Tag 4	Tag 5
☑	**1020**	Mobilization	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1110**	Clearing and Grubbing	Acre		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1120**	Aggregate Base	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1120.100	Furn and Haul Base Material	Ton		U.S. Dollar	☑	45,000.00	☐	0.00					
☑	1120.200	Place Aggregate Base	Ton		U.S. Dollar	☑	45,000.00	☐	0.00					
☑	**1122**	Unclassified Excavation	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1122.100	Excavation	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1122.200	Embankment	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1180**	Finegrade Subgrade	Square Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1240**	Asphalt Concrete	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1240.100	Furnish and Haul Asphalt C...	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	1240.200	Install Asphalt Concrete	Ton		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1330**	Steel Reinforcement	Pound		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1340**	Retaining Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.100	Furnish Retaining Wall Mate...	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200	Retaining Wall Footings	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.100	Form Footing	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.200	Pour Footing	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.200.300	Strip Footing	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300	Retaining Wall Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.100	Form Wall	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.200	Pour Wall	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	1340.300.300	Strip Wall	Square Feet		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1343**	Structural Excavation and Bac...	Cubic Yard		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1370**	Paint Steel Bridge Structure	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1700**	4 Ft Manhole	Each		U.S. Dollar	☐	1.00	☐	0.00					
☑	**1754**	36 Inch RCP	Linear Feet		U.S. Dollar	☐	1.00	☐	0.00					
	Σ	**1**												
		58												

Figure 2: Account Code record


Foundation Setup Data Register
Account Record
Info
Tags / User Defined Fields
Account Code: *
1120.100
Description:
Furn and Haul Base Material
Unit of Measure:
Ton
Secondary Unit:
Quantity:
45,000.00
Secondary Quantity:
0.00
Currency:
U.S. Dollar
Quantity Contributor:
Primary to Primary
Primary to Secondary
Secondary to Secondary
Utilized:
Auto-Quantity:
Primary
Secondary
Notes:
OK
Cancel
New...
< Prev
Next >