Connected World Building API Reference Guide

Revision 04

134 Flanders Road, Westborough, MA 01581
(508) 202-1807 www.connectbase.com

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About This Guide

Introduction

This guide describes the Connectbase Application Program Interface (API) Connected World Building APIs. This guide covers documentation of *API version 2 referred as (v2)* and *API version 5 referred as (v5)* as mentioned in table of contents.

Accessing the Portal

Using any standard web browser, you can access the Connectbase API portal by entering the following URL: *https://developer.connectbase.com*.

- If this is your first time visiting the site, click *Sign up* to register as a new API user.
- If you are already a registered user, *Sign in* using your API login and password.

Related Documentation

Refer to the following documents for detailed information about each of the supported Connectbase API products:

- *Address Autocomplete API Reference Guide*
- *Address Validation API Reference Guide*
- *Advanced CPQ API Reference Guide*
- *Building Competitive Rating API Reference Guide*
- *Connectbase Developer Portal Overview Guide*
- *Connected World Availability API Reference Guide*
- *Connected World Account API Reference Guide*
- *Connected World Building Lists API Reference Guide*
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- *Geocode API Reference Guide*
- *International Processor API Reference Guide*
- *Locations Intelligence API Reference Guide*
- *Network Intelligence API Reference Guide*
- *Network Path API Reference Guide*
- *NNI Management API Reference Guide*
- *Rate Card Management API Reference Guide*
- *Route Management API Reference Guide*
- *Tenant API Reference Guide*

Acronym List

This document uses the following acronyms.

Acronym	Description
API	Application Program Interface
CPQ	Configure, Price, Quote
HTTP	Hyper Text Transfer Protocol
JSON	JavaScript Object Notation
N/A	Not applicable
URL	Uniform Resource Locator
USPS	United States Postal Service
WISP	Wireless Internet Service Provider

Customer Support Desk (CSD) Portal

If you require technical assistance or wish to report an issue to the Connectbase Support team, please log into the Connectbase Customer Support Desk Portal at *https://support.connectbase.com* and submit a support ticket.

If you face issues in logging in to Connectbase Customer Support Desk Portal, email at *portalsupport@connectbase.com* or contact your CSM to report the issue. We will add your domain to provide access for your organization.

About Connected World Building APIs v2

The Connected World Building APIs enable you to create, retrieve, update or remove buildings or building attributes.

These APIs include the following:

- *PATCH Building Patch Update*
- *POST Create Building*
- *GET Get All Buildings*
- *GET Get Building*
- *GET Buildings by Address Components*
- *GET Get Custom Fields*
- *DELETE Remove Building*
- *DELETE Remove Multiple Buildings*
- *PUT Update Building*

API Rate Limit

Connected World Building API has a rate limit of 180 calls per minute.

Connected World Building APIs v2

PATCH Building Patch Update

Issue this call to update a single building attribute.

Requirements and Special Considerations
This API call requires the unique key assigned to the building, company Id and subscription key. If you do not know the unique key, you can get it by issuing the Get Building API (provided you know the building ID) or from the Get All Buildings API. The unique key is displayed as the last field in the building response.

Request URL
https://api.connected2fiber.com/v2/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
uniqueKey	string	Enter the unique key that corresponds to this building. You can find the unique key by using the *Get All Buildings API*. The unique key is displayed at the end of the response.
companyId	number	Your Company Id

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

For this Building Patch Update, you are not required to input all attributes that are listed as mandatory in the Request Body; instead, you can enter only those attributes that need to be updated. For example:

```
{
    "latitude": "39.502681",
    "longitude": "-76.14933"
}
```

As you enter the data into the request body, it displays in the HTTP request.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: [‘Airport’, ‘Commercial Building’] • Airport • Commercial Building • Data Center • Government • Health Care • Land • Military • Residential • School/University • Utility • Venue • Wireless
street	Yes	string
city	Yes	string
state	Yes	string
country	Yes	string
latitude	No	string
longitude	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet

Request Body Attributes	Mandatory	Values/Requirements
		• On Net–Limited Access • OnNet • Prospect
accessMediums	No	Accepts multiple values passed as a list: [‘Coax/HFC’, ‘Fiber’] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
postal	No	string
customField	No	Passed as an object with each custom field being a separate attribute: { “customFieldName”: “value”, “customFieldName”: “value”}
supplier	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3	No	string
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string

Request body

```
{
"buildingname": "South Shore Plaza",
"buildingCategory":["Commercial Building"],
"street" : "250 Granite St",
"city" :  "Braintree",
"state" : "Ma",
"country" : "USA",
"latitude" : "",
"longitude" : "",
"postal" : "02184",
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"accessMediums": ["Fiber"],
"customField":{ },
"comcastPricingZone": "456"
}
```

Success Response Example


```
{
  "code": 200,
  "message": "Building updated successfully.",
  "hasError": false,
  "detailMessage": null,
  "building": {
    "buildingname": "South Shore Plaza",
    "street": "250 Granite St",
    "country": "United States",
    "state": "Massachusetts",
    "city": "Braintree",
    "postal": "02184",
    "msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
    "latitude": "42.220902",
    "longitude": "-71.02352",
    "primaryNumber": "250",
    "streetName": "Granite",
    "streetSuffix": "St",
    "plus4Code": "2804",
    "comcastPricingZone": "456",
    "indatelPricingZone": "123",
    "level3PricingZone": "123",
    "sprintPricingZone": "123",
    "verizonPricingZone": "123",
    "attPricingZone": "123",
    "buildingCategory": ["Commercial Building"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "cllicode": "BRNTMAWADS0",
    "lata": "128",
    "accessMediums": ["Fiber"],
    "elevation": 0.0,
    "npa": "781",
    "nxx": "348",
    "npanxx": "781-348",
    "uniqueKey": "EL00-123-3g75c2d8"
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The street on which the building resides.	string
city	The city in which the building resides.	string
state	The state in which the building resides.	string
postal_code	The zip code in which the building resides.	string
country	The country in which the building resides.	string
msaname	The name given to a metropolitan service area.	string

Response Attribute	Attribute Description	Data Type
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string
primary_number	Primary address information such as the building number in a street address.	int
streetname	The name of the street in which the location resides.	string
street_suffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4Code	Additional 4 digits to further define the postal zip code.	string
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
building_Category	The type of building, for example, Commercial, Residential, etc.	string
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
building_connection_status	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes	string

Response Attribute	Attribute Description	Data Type
	are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes	string

Response Attribute	Attribute Description	Data Type
	are typically used to identify building locations, specific to an address.	
ethernetZone	The pricing zone for Ethernet services.	int
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example

```
{
  “statusCode”: 400,
  “message”: “Invalid Unique key:  Building not found”
}
```

POST Create Building

Issue this call to create a new building record.

Requirements and Special Considerations

This API requires you to provide the company ID, subscription key and the field values identified as mandatory in the Request Body.

Request URL

https://api.connected2fiber.com/v2/buildings/[?companyId]

Request parameters	Characteristic	Description/Requirements
companyId	number	Identifies the company for which a new building record is being created

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: [‘Airport’, ‘Commercial Building’] • Airport • Commercial Building • Data Center • Government • Health Care • Land • Military

Request Body Attributes	Mandatory	Values/Requirements
		• Residential • School/University • Utility • Venue • Wireless
street	Yes	string
city	Yes	string
state	Yes	string
country	Yes	string
latitude	No	string
longitude	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet • On Net–Limited Access • OnNet • Prospect
accessMediums	No	Accepts multiple values passed as a list: [‘Coax/HFC’, ‘Fiber’] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
postal	No	string
customField	No	Passed as an object with each custom field being a separate attribute: { “customFieldName”: “value”, “customFieldName”: “value”}
provider	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3	No	string
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string

Request body

```
{
  “buildingname”: “Mall of America”,
  “buildingCategory”:[“Commercial Building”],
  “street” : “60 E Broadway”,
  “city” :  “Bloomington”,
  “state” : “MN”,
  “country” : “USA”,
  “latitude” : “”,
  “longitude” : “”,
  “postal” : “55425”,
  “networkBuildStatus”: “Connected”,
  “buildingConnectionStatus”: “OnNet”,
  “accessMediums”: [“Coax/HFC”],
  “customField”:{ }
  }
```

Success Response Example

```
{
  “code”: 201,
  “message”: “Building added successfully.”,
  “hasError”: false,
  “detailMessage”: null,
  “building”: {
    “buildingname”: “Mall Of America”,
    “street”: “60 E Broadway”,
    “country”: “United States”,
    “state”: “Minnesota”,
    “city”: “Minneapolis”,
    “postal”: “55425”,
    “primaryNumber”: “60”,
    “streetName”: “Broadway”,
    “streetPreDirection”: “E”,
    “plus4Code”: “5510”,
    “buildingCategory”: [“Commercial Building”, “Health Care”],
    “networkBuildStatus”: “Connected”,
    “buildingConnectionStatus”: “OnNet”,
    “accessMediums”: [“Coax/HFC”],
    “elevation”: 0.0,
    “uniqueKey”: “EL00-123-cce20cdf”
  }
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The street on which the building resides.	string
city	The city in which the building resides.	string
state	The state in which the building resides.	string

Response Attribute	Attribute Description	Data Type
country	The country in which the building resides.	string
postal	The zip code in which the building resides.	string
primary_number	Primary address information such as the building number in a street address.	int
streetname	The name of the street in which the location resides.	string
street_predirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_postdirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
comcastPricingZone	Comcast pricing zone	string
building_Category	The type of building, for example, Commercial, Residential, etc.	string
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
building_connection_status	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string

Response Attribute	Attribute Description	Data Type
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommuni-cations regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string

Response Attribute	Attribute Description	Data Type
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string
ethernetZone	The pricing zone for Ethernet services.	int
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example

```
{
  “statusCode”: 401,
  “message”: “Access denied due to invalid subscription key. Make sure to provide a valid key for an active subscription.”
}
```

GET All Buildings

Issue this call to return a list of All Buildings in a JSON array. The data is segregated into pages that can be adjusted via parameters. Additional options such as returning buildings added or changed within a date range can also be completed.

Requirements and Special Considerations

This API requires you to provide the company ID and subscription key. Other request parameters are optional, but they enable you to refine or limit your search criteria.

Request URL

https://api.connected2fiber.com/v2/buildings/[?companyId][&page][&size][&query_term][&sort_by][&order_by][&from_date][&to_date][&address]

Request parameters	Characteristic	Description/Requirements
companyId	number	Company identifier
page (optional)	number	Page number to return results. By default, start with first page value as 1.
Size (optional)	number	Number of buildings returned per page. The default is 100.
Query_term (optional)	string	Search by building name, street, state, city and country
sort_by (optional)	string	Sort by field. The default sort is by building modified date, in descending order
order_by (optional)	string	Either “descending” or “ascending” order. The default is descending order.
From_date (optional)	string	The “from_date” lets you restrict the results to only those buildings that were modified starting with the date you provided up until the current date.

Request parameters	Characteristic	Description/Requirements
		Consequently, any records updated before the from_date are not included in the response. The date format is mm-dd-yyyy.
To_date (optional)		The “to_date” lets you restrict the results to only those buildings modified before the date provided. Consequently, any records updated after the to_date are not included in the response. The default is the current date. The date format is mm-dd-yyyy.
Address (optional)	string	Search building by address. For best results, the address format should include all of the following: street, city, state, zipcode, and country. For example, 32 Kingston Rd, Baltimore, Maryland, 62347, US

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

While the system returned a total of 52154 records, only a small subset of those records is displayed below to depict a sampling of the response output.


```
{
"total": 52154,
"page": 0,
"results": [{
  "buildingname": "Mall Of America",
  "street": "60 E Broadway",
  "country": "United States",
  "state": "Minnesota",
  "city": "Minneapolis",
  "postal": "55425",
  "primaryNumber": "60",
  "streetName": "Broadway",
  "streetPreDirection": "E",
  "plus4Code": "5510",
  "buildingCategory": ["Commercial Building", "Health Care"],
  "networkBuildStatus": "Connected",
  "buildingConnectionStatus": "OnNet",
  "accessMediums": ["Coax/HFC"],
  "elevation": 0.0,
```

Success Response Example


```
    "uniqueKey": "EL00-123-cce20cdf"
  }, {
    "buildingname": "South Shore Plaza",
    "street": "250 Granite St",
    "country": "United States",
    "state": "Massachusetts",
    "city": "Braintree",
    "postal": "02184",
    "msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
    "latitude": "42.220902",
    "longitude": "-71.02352",
    "primaryNumber": "250",
    "streetName": "Granite",
    "streetSuffix": "St",
    "plus4Code": "2804",
    "comcastPricingZone": "456",
    "indatelPricingZone": "123",
    "level3PricingZone": "123",
    "sprintPricingZone": "123",
    "verizonPricingZone": "123",
    "attPricingZone": "123",
    "buildingCategory": ["Commercial Building"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "cllicode": "BRNTMAWADS0",
    "lata": "128",
    "accessMediums": ["Fiber"],
    "elevation": 0.0,
    "npa": "781",
    "nxx": "348",
    "npanxx": "781-348",
    "uniqueKey": "EL00-123-3g75c2d8"
  }]
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
total	Indicates the total number of pages in the result set.	int
page	Indicates the page number when there is more than one page in the response.	int
results	object wrapper	array
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
primaryNumber	The primary number assigned to the street address, such as **123** Main Street.	string
streetname	The name of the street in which the location resides.	string
street_PreDirection	An address element that indicates geographic location such as N, S, E, W,	string

Response Attribute	Attribute Description	Data Type
	NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	
street_PostDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless - Satellite • Other	array
elevation	The terrain elevation.	float
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example

```
{
  "statusCode": 401,
  "message": "Access denied due to invalid subscription key. Make sure to provide a valid
```

Error Response Example

```
key for an active subscription."
}
```

GET Building

Issue this call to return detailed information for a single building for a given company.

Requirements and Special Considerations

This API requires the building ID, company ID and subscription key. If you do not know the building ID, you can retrieve it using the Get All Buildings API.

Request URL

https://api.connected2fiber.com/v2/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingid	string	Building unique identifier
companyId	number	Company identifier

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
{
  "buildingname": "Mall Of America",
  "street": "60 E Broadway",
  "country": "United States",
  "state": "Minnesota",
  "city": "Minneapolis",
  "postal": "55425",
  "primaryNumber": "60",
  "streetName": "Broadway",
  "streetPreDirection": "E",
  "plus4Code": "5510",
  "buildingCategory": ["Commercial Building", "Health Care"],
  "networkBuildStatus": "Connected",
  "buildingConnectionStatus": "OnNet",
  "accessMediums": ["Coax/HFC"],
  "elevation": 0.0,
  "uniqueKey": "EL00-123-cce20cdf"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string

Response Attribute	Attribute Description	Data Type
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
primaryNumber	The primary number assigned to the street address, such as **123** Main Street.	string
streetname	The name of the street in which the location resides.	string
street_PreDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_PostDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array

Response Attribute	Attribute Description	Data Type
elevation	The terrain elevation.	float
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example

```
{
  "statusCode": 400,
  "message": "Building uniqueKey not found: EL00-123-cce20c"
}
```

GET Buildings by Address Components

Issue this call to get buildings by passing only the minimal query parameters (parsed address).

Requirements and Special Considerations

This API requires the company id. All other request parameters are optional.

Request URL

https://api.connected2fiber.com/v2/buildings/parsed_address_search[?companyId][&primary_number][&pre_direction][&street_name][&street_suffix][&post_direction][&city][&state][&zipcode][&country][&page][&size][&building_clli][&global_location_id][&latitude][&longitude][&radius]

Request parameters	Characteristic	Description/Requirements
companyid	number	Current Company Id
primary_number (optional)	string	Building Primary Number
pre_direction (optional)	string	Predirection
street_name (optional)	string	Street Name
street_suffix (optional)	string	suffix.
post_direction (optional)	string	Post direction
city (optional)	string	City
state (optional)	string	State
zipcode (optional)	string	Postal code
country (optional)	string	Country
page (optional)	number	Current page number. Default is 0.
size (optional)	number	Number of records to display. Default is 100
building_clli (optional)	string	Building CLLI

Request parameters	Characteristic	Description/Requirements
global_location_id (optional)	string	Global ID
latitude (optional)	number	Latitude
longitude (optional)	number	Longitude
radius (optional)	number	Radius

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example


```
{
"total": 1,
"page": 0,
"results": [{
"buildingname": "South Shore Plaza",
"street": "250 Granite St",
"country": "United States",
"state": "Massachusetts",
"city": "Braintree",
"postal": "02184",
"msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
"latitude": "42.220902",
"longitude": "-71.02352",
"primaryNumber": "250",
"streetName": "Granite",
"streetSuffix": "St",
"plus4Code": "2804",
"comcastPricingZone": "456",
"indatelPricingZone": "123",
"level3PricingZone": "123",
"sprintPricingZone": "123",
"verizonPricingZone": "123",
"attPricingZone": "123",
"buildingCategory": ["Commercial Building"],
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"cllicode": "BRNTMAWADS0",
"lata": "128",
"accessMediums": ["Fiber"],
"elevation": 0.0,
"npa": "781",
"nxx": "348",
"npanxx": "781-348",
"uniqueKey": "EL00-123-3d05c2h3",
"globalLocationId": "US87JC6XCG+QH5BS00",
}]
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
total	Indicates the total number of pages in the result set.	int

Response Attribute	Attribute Description	Data Type
page	Indicates the page number when there is more than one page in the response.	int
results	object wrapper	array
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
primary_number	Primary address information such as the building number in a street address.	int
streetname	The name of the street in which the location resides.	string
street_PreDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_PostDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values:	string

Response Attribute	Attribute Description	Data Type
	• Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange	string

Response Attribute	Attribute Description	Data Type
	Carriers (ILECS) operating Serving Wire Centers.	
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	The clli code associated with this building.	string
ethernetZone	The pricing associated with ethernet services.	int
uniqueKey	This field is used to identity the building number, where applicable.	string
global_location_id	Connectbase's proprietary ID system that provides a unique identification code for every location within the seven continents.	string

Error Response Example

```
{
 "statusCode": 404,
 "message": "No Values Returned"
}
```

GET Custom Fields

Issue this call to return the custom fields that have been created for a specific company or module.

Requirements and Special Considerations

This API requires the company Id and subscription key. The optional request parameter, module_name, can be specified to return only those custom fields for the module you name. For example, "MyBuilding" returns only those custom fields and names for your Buildings configuration.

Request URL

https://api.connected2fiber.com/v2/buildings/custom_fields[?companyId] [&module_name]

Request parameters	Characteristic	Description/Requirements
companyId	number	Company unique identifier
module_name (optional)	string	The name of the module from which you wish to return custom fields. For example, "MyBuilding"

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example


```
[{
    "field_name": "LEC",
    "field_type": "Text"
}, {
    "field_name": "Electricity",
    "field_type": "Text"
}, {
    "field_name": "Water Facility",
    "field_type": "Text"
}]
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
field_name	The customer defined name for the custom field.	string
field_type	The customer defined field type of the custom field.	string

Error Response Example


```
{
  "statusCode": 401,
  "message": "Access denied due to invalid subscription key. Make sure to provide a valid key for an active subscription."
}
```

DELETE Remove Building

Issue this call to remove a single Building record from the database using the provided building id.

Requirements and Special Considerations
This API requires you to provide the building Id and the company ID of the building you wish to delete, as well as the appropriate subscription key. If you do not know the building Id number, you can issue the *GET All Buildings* API to locate the building Id for the building you wish to delete.

Request URL
https://api.connected2fiber.com/v2/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingId	string	Building Id.
companyId	number	Company unique identifier

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
{
 "status": "200",
 "message": "Successfully Deleted"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
status	Indicates status of API completion. • Success • Failed	string
message	Message associated with the status.	string

Error Response Example

```
{
“status”: “404”,
"message": name@company.com account is not entitled to delete Buildings
}
```

DELETE Remove Multiple Buildings

Issue this call to remove multiple buildings from the building data.

Requirements and Special Considerations
This API requires you to provide the building Id and the company ID of the buildings you wish to delete, as well as the appropriate subscription key. If you do not know the building Id numbers for the building you want deleted, you can issue the GET All Buildings API to locate the building Ids. To delete multiple buildings, Id parameter values must be separated by commas.

Request URL
https://api.connected2fiber.com/v2/buildings/[?companyId][&ids]

Request parameters	Characteristic	Description/Requirements
companyId	number	Your Company Id
ids	number	Comma separated building Id

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
{
 "status": "200",
 "message": "Successfully Deleted"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
status	Indicates status of API completion. • Success • Failed	string
message	Message associated with the status.	string

Error Response Example

```
{
   “status”: “404”,
   "message": name@company.com account is not entitled to delete Buildings
}
```

PUT Update Building

Issue this call to update an existing building attribute.

Requirements and Special Considerations
This API requires you to provide the unique key, company ID and subscription key to update a single building attribute. Additionally, it requires you to supply the following mandatory data in the Request Body to update the building. Mandatory data includes the following fields: • buildingname • street • city • state • country • postal • buildingCategory • networkBuildStatus • buildingConnectionStatus The remaining request body fields are optional. They include: • accessMediums • latitude • longitude • customField

Request URL
https://api.connected2fiber.com/v2/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingId	string	unique building identifier
companyId	number	Your Company Id

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

In the request body, enter the mandatory required field inputs between the " ". For example, “buildingname”: “ABC”.

As you enter the data into the request body, it displays in the HTTP request.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: [‘Airport’, ‘Commercial Building’] • Airport • Commercial Building • Data Center • Government • Health Care • Land • Military • Residential • School/University • Utility • Venue • Wireless
street	Yes	string
city	Yes	string
state	Yes	string
postal	Yes	string
country	Yes	string
latitude	No	string
longitude	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet • On Net–Limited Access • OnNet • Prospect
accessMediums	No	Accepts multiple values passed as a list: [‘Coax/HFC’, ‘Fiber’] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
customField	No	Passed as an object with each custom field being a separate attribute:

Request Body Attributes	Mandatory	Values/Requirements
		{ “customFieldName”: “value”, “customFieldName”: “value”}
supplier	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3	No	string
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string

Request body

```
{
"buildingname": "Mall of America",
"buildingCategory":["Commercial Building"],
"street" : "60 E Broadway",
"city" :  "Bloomington",
"state" : "MN",
"country" : "USA",
"latitude" : "",
"longitude" : "",
"postal" : "55425",
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"accessMediums": ["Coax/HFC", "Fiber"],
"customField":{ }
}
```

Success Response Example

```
{
  "code": 200,
  "message": "Building updated successfully.",
  "hasError": false,
  "detailMessage": null,
  "building": {
    "buildingname": "Mall Of America",
    "street": "60 E Broadway",
    "country": "United States",
    "state": "Minnesota",
    "city": "Minneapolis",
    "postal": "55425",
    "primaryNumber": "60",
    "streetName": "Broadway",
    "streetPreDirection": "E",
    "plus4Code": "5510",
    "buildingCategory": ["Commercial Building"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "accessMediums": ["Coax/HFC", "Fiber"],
    "elevation": 0.0,
    "uniqueKey": "EL00-123-cce20cdf"
  }
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The name of the street in which the building resides.	string
country	The name of the country in which the building resides.	string
state	The standard US Postal Service Abbreviation or full state name where the building or specified location resides.	string
city	The name of the city where the building or specified location resides.	string
postal	The zip code where the building or specified location resides.	string
msaname	The name given to a metropolitan service area.	string
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string
primary_number	The primary number for the location address, such as **134** Flanders Road.	int
street_name	The name of the street	string
street_suffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string

Response Attribute	Attribute Description	Data Type
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code.	string

Response Attribute	Attribute Description	Data Type
	NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string
ethernetZone	The pricing zone for Ethernet services.	int
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example


```
{
  "statusCode": 400, "message": "Invalid Unique key: Building not found"
}
```

About Connected World Building APIs v5

The Connected World Building APIs V5 enable you to create, retrieve, update, or remove buildings or building attributes.

These APIs include the following:

- *PATCH Building Patch Update*
- *POST Create Building*
- *GET All Buildings*
- *GET Building*
- *GET Buildings by Address Components*
- *GET Custom Fields*
- *DELETE Remove Building*
- *DELETE Remove Multiple Buildings*
- *PUT Update Building*

API Rate Limit

Connected World Building API has a rate limit of 180 calls per minute.

Connected World Building APIs v5

PATCH Building Patch Update

Issue this call to update a single building attribute.

Requirements and Special Considerations
This API call requires the unique key assigned to the building, company Id and subscription key. If you do not know the unique key, you can get it by issuing the Get Building API (provided you know the building ID) or from the Get All Buildings API. The unique key is displayed as the last field in the building response.

Request URL
https://api.connected2fiber.com/v5/buildings/{uniqueKey}?companyId={companyId}

Request parameters	Characteristic	Description/Requirements
uniqueKey	string	Enter the unique key that corresponds to this building. You can find the unique key by using the *Get All Buildings API*. The unique key is displayed at the end of the response.
companyId	number	Your Company Id

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

For this Building Patch Update, you are not required to input all attributes that are listed as mandatory in the Request Body; instead, you can enter only those attributes that need to be updated. For example:

```
{
    "latitude": "39.502681",
    "longitude": "-76.14933"
}
```

As you enter the data into the request body, it displays in the HTTP request.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: [‘Airport’, ‘Commercial Building’] Airport Commercial Building Data Center Government Health Care Land Military Residential School/University Utility Venue Wireless
buildingSubCategory	No	Accepts multiple values passed as a list: [‘Airport – International’] For detailed list of all possible buildingSubCategory parameter values refer to *Appendix A*.

Request Body Attributes	Mandatory	Values/Requirements
street	Yes	string
city	Yes	string
state	Yes	string
country	Yes	string
latitude	No	string
longitude	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet • On Net–Limited Access • OnNet • Prospect
accessMediums	No	Accepts multiple values passed as a list: [‘Coax/HFC’, ‘Fiber’] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
postal	No	string
customField	No	Passed as an object with each custom field being a separate attribute: { “customFieldName”: “value”, “customFieldName”: “value”}
supplier	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3PricingZone (equivalent to CenturyLink in the user interface)	No	string
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string

Request body


```
{
"buildingname": "South Shore Plaza",
"buildingCategory":["Commercial Building"],
"buildingSubCategory": ["Commercial Building - Enterprise HQ, Financial"],
"street" : "250 Granite St",
"city" :  "Braintree",
"state" : "Ma",
"country" : "USA",
"latitude" : "",
"longitude" : "",
"postal" : "02184",
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"accessMediums": ["Fiber"],
"customField":{ },
"comcastPricingZone": "456"
}
```


The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Success Response Example


```
{
  "code": 200,
  "message": "Building updated successfully.",
  "hasError": false,
  "detailMessage": null,
  "building": {
    "buildingname": "South Shore Plaza",
    "street": "250 Granite St",
    "country": "United States",
    "state": "Massachusetts",
    "city": "Braintree",
    "postal": "02184",
    "msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
    "latitude": "42.220902",
    "longitude": "-71.02352",
    "primaryNumber": "250",
    "streetName": "Granite",
    "streetSuffix": "St",
    "plus4Code": "2804",
    "comcastPricingZone": "456",
    "indatelPricingZone": "123",
    "level3PricingZone": "123",
    "sprintPricingZone": "123",
    "verizonPricingZone": "123",
    "attPricingZone": "123",
    "buildingCategory": ["Commercial Building"],
    "buildingSubCategory": ["Commercial Building - Enterprise HQ"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "cllicode": "BRNTMAWADS0",
    "lata": "128",
    "accessMediums": ["Fiber"],
    "elevation": 0.0,
    "npa": "781",
    "nxx": "348",
    "npanxx": "781-348",
```

Success Response Example

```
    "uniqueKey": "EL00-123-3g75c2d8"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The street on which the building resides.	string
city	The city in which the building resides.	string
state	The state in which the building resides.	string
postal_code	The zip code in which the building resides.	string
country	The country in which the building resides.	string
msaname	The name given to a metropolitan service area.	string
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string
primary_number	Primary address information such as the building number in a street address.	int
streetname	The name of the street in which the location resides.	string
street_suffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4Code	Additional 4 digits to further define the postal zip code.	string
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone (CenturyLink)	Level3 (CenturyLink) pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string

Response Attribute	Attribute Description	Data Type
building_Category	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Sub-category of building, for example, Commercial Building – Enterprise HQ, etc. For detailed list of all possible response values refer to *Appendix A*.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	String
building_connection_status	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float

Response Attribute	Attribute Description	Data Type
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string
ethernetZone	The pricing zone for Ethernet services.	int
uniqueKey	This field is used to identity the building number, where applicable.	string

Error Response Example

```
{
  "statusCode": 400,
 "message": "Invalid Unique key:  Building not found"
}
```

POST Create Building

Issue this call to create a new building record.

Requirements and Special Considerations

This API requires you to provide the company ID, subscription key and the field values identified as mandatory in the Request Body.

Request URL

https://api.connected2fiber.com/v5/buildings/[?companyId]

Request parameters	Characteristic	Description/Requirements
companyId	number	Identifies the company for which a new building record is being created

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: ['Airport', 'Commercial Building'] • Airport • Commercial Building • Data Center • Government • Health Care • Land • Military • Residential • School/University • Utility • Venue • Wireless
buildingSubCategory	No	Accepts multiple values passed as a list: ['Commercial Building – Enterprise HQ'] For complete list of buildingSubCategory values refer to *Appendix A*.
street	Yes	string
city	Yes	string
state	Yes	string
country	Yes	string
postal	Yes	string
latitude	No	string
longitude	No	string
msaname	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3PricingZone (equivalent to CenturyLink in the user interface)	No	string

Request Body Attributes	Mandatory	Values/Requirements
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string
primaryNumber	No	string
streetName	No	string
streetSuffix	No	string
plus4Code	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet • On Net–Limited Access • OnNet • Prospect
accessMediums	No	Accepts multiple values passed as a list: ['Coax/HFC', 'Fiber'] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
fiberOwnership	No	• Built • IRU • Leased
specialConstructionCost	No	float
installIntervalValue	No	int
accessCustomerName	No	string
room	No	string
minimumCircuitLevel	No	string
minimumQuantity	No	int
buildingClli	No	string
handoffType	No	• CAT5 • Fiber • CAT5/Fiber
protectionType	No	• Core Protected • Dual Path • Single Path

Request Body Attributes	Mandatory	Values/Requirements
		• All
handOffPricing	No	int
diversityType	No	• Dual-Owned • Single-Owned • Single-Leased • Dual-Leased
horizontalCoordinate	No	string
attServingNodeCLLI	No	string
floor	No	string
nniLocations	No	string
customField	No	Passed as an object with each custom field being a separate attribute: { “customFieldName”: “value”, “customFieldName”: “value”}
provider	No	string

The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Request body


```
{
    "buildingname": "1101 Comstock St",
    "buildingCategory": ["Commercial Building"],
    "buildingSubCategory": ["Commercial Building - Enterprise HQ"],
    "street": "1101 Comstock St",
    "city": "Santa Clara",
    "state": "California",
    "country": "United States",
    "postal": "95054",
    "latitude": "37.374973",
    "longitude": "-121.953131",
    "msaname": "SAN JOSE-SUNNYVALE-SANTA CLARA, CA",
    "comcastPricingZone": "value",
    "indatelPricingZone": "value",
    "level3PricingZone": "value",
    "verizonPricingZone": "value",
    "sprintPricingZone": "value",
    "attPricingZone": "value",
    "primaryNumber": "1101",
    "streetName": "Comstock",
    "streetSuffix": "St",
    "plus4Code": "3407",
    "networkBuildStatus": "Prospect",
    "buildingConnectionStatus": "Prospect",
    "accessMediums": ["Fiber"],
    "fiberOwnership": "Leased",
    "specialConstructionCost": null,
    "installIntervalValue": "60",
    "provider": "Verizon",
    "accessCustomerName": "any",
```

Request body


```
    "room": "500a",
    "minimumCircuitLevel": "any",
    "minimumQuantity": 2,
    "buildingClli": "12345678",
    "handoffType": "CAT5",
    "protectionType": "Single Path",
    "handOffPricing": 123,
    "diversityType": "Single-Owned",
    "horizontalCoordinate": 500,
    "attServingNodeCLLI": "12345678",
    "floor": 5,
    "nniLocations": [{
        "nniBuildingId": 171765024,
        "nniDefault": true
    }],
    "customField": {
        "field_name": "value"
    },
    "pricingZone": "1",
    "zoneType": "value",
    "customPricingZone": "value"
}
```


The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Success Response Example


```
{
  "code": 201,
  "message": "Building added successfully.",
  "hasError": false,
  "detailMessage": null,
  "building": {
    "buildingname": "15 Comstock St",
    "street": "15 Comstock St",
    "country": "United States",
    "state": "California",
    "city": "Santa Clara",
    "postal": "95054",
    "msaname": "SAN JOSE-SUNNYVALE-SANTA CLARA, CA",
    "latitude": "37.374973",
    "longitude": "-121.953131",
    "primaryNumber": "15",
    "streetName": "Comstock",
    "streetSuffix": "St",
    "plus4Code": "3407",
    "comcastPricingZone": "1",
    "indatelPricingZone": "1",
    "level3PricingZone": "1",
    "sprintPricingZone": "1",
    "verizonPricingZone": "1",
    "attPricingZone": "1",
    "buildingCategory": ["Commercial Building"],
    "buildingSubCategory": ["Commercial Building - Enterprise HQ"],
    "networkBuildStatus": "Prospect",
    "buildingConnectionStatus": "Prospect",
    "accessMediums": ["Fiber"],
    "fiberOwnership": "Leased",
    "elevation": 0.0,
    "accessCustomerName": "any",
```

Success Response Example


```
    "room": "500a",
    "minimumCircuitLevel": "any",
    "minimumQuantity": 2,
    "buildingClli": "12345678",
    "handoffType": "CAT5",
    "protectionType": "Single Path",
    "handOffPricing": 123.0,
    "uniqueKey": "0523-179-187594802",
    "horizontalCoordinate": 500.0,
    "attServingNodeCLLI": "12345678",
    "pricingZone": 1,
    "zoneType": "END USER"
  }
}
```


Error Response Example


```
{
  “statusCode”: 401,
  “message”: “Access denied due to invalid subscription key. Make sure to provide a valid
key for an active subscription.”
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The street on which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
msaname	The name given to a metropolitan service area.	string
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string

Response Attribute	Attribute Description	Data Type
primary_number	Primary address information such as the building number in a street address.	int
streetname	The name of the street in which the location resides.	string
street_suffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4Code	Additional 4 digits to further define the postal zip code.	string
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone (CenturyLink)	Level3 (CenturyLink) pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Sub category of building for example “Commercial building – Enterprise HQ”	array
networkBuildStatus	A metric to identify the build status of a carrier’s network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
building_connection_status	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array

Response Attribute	Attribute Description	Data Type
fiberOwnership	The owner of the physical fiber connection.	string
elevation	The terrain elevation.	float
specialConstructionCost	Used to identify any special construction costs needed to bring a Near Net building OnNet.	float
installIntervalValue	The timeframe for installation that is quoted by the provider to the customer.	int
accessCustomerName		string
room	Identifies the room where the customer's end-user access circuit terminates.	string
minimumCircuitLevel	Identifies the minimum circuit level required by this vendor to accept orders to bring a Near Net building OnNet (for example, 10M, 10G, 100G, etc., low speed EoC generally in 1.5 increments to 12mb).	string
minimumQuantity	Identifies the minimum circuit quantity required by this vendor to accept orders to bring a Near Net building OnNet.	int
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string
handoffType	Related to the type of service to be provided. For example, Ethernet service delivered via CAT5.	string
protectionType	Identifies the redundancy mechanism in place at this location, for example, Core Protected, Dual Path, Single Path, etc.	string
handOffPricing	One-time pricing for hand-off of services to the location.	float
uniqueKey (Connectbase #, Connectbase Building Key)	A unique Connectbase-assigned key to identify the building	string
globalLocationId	A Connectbase proprietary ID system that provides a unique identification code for every location within the seven continents.	string
horizontalCoordinate	Refers to the V&H (Vertical and Horizontal) coordinate system, initially used by AT&T to calculate long-distance telephone call costs. It is used to calculate the Lat/Long for rate centers and wire centers, as well as the distances between them.	string
attServingNodeCLLI	Common Language Information Services Identifier (CLLI) used within the North American telecommunications industry to specify the location and function of	string

Response Attribute	Attribute Description	Data Type
	telecommunications equipment or of a relevant location, such as an international border or a supporting equipment location.	
pricingZone	Indicates the zone type for pricing, such as Sprint Pricing Zone or Comcast Pricing Zone, for example.	int
zoneType	Identifies the location type for P2P Pricing Zones	string

GET All Buildings

Issue this call to return a list of All Buildings in a JSON array. This API can be issued to get information about companies, company buildings and products located at those building.

Requirements and Special Considerations
This API requires you to provide the company ID and subscription key. Other request parameters are optional, but they enable you to refine or limit your search criteria.

Request URL
https://api.connected2fiber.com/v5/buildings/?companyId={companyId}[&page][&size][&streetAddress][&city][&state][&country][&zipcode][&freeFormAddress][&lat][&lon][&radius][&customerKey][&glId][&demarcId][&supplier][&sort_by][&order_by][&from_date][&to_date]

Request parameters	Characteristic	Description/Requirements
companyId	string	Company identifier
limit (optional)	number	Limits the number of buildings returned
page (optional)	number	The page number to return results. By default, start with first page of 1.
size (optional)	number	The number of buildings returned per page. The default is 100.
streetAddress (optional)	string	Search building by address.
city (optional)	string	Search building by city.
state (optional)	string	Search building by state.
country (optional)	string	Search building by country.
zipcode (optional)	string	Search building by zip code.
freeFormAddress (optional)	string	Search building by free form address.
lat (optional)	number	Search building by latitude.
lon (optional)	number	Search building by longitude.
radius (optional)	number	Search building by radius
customerKey (optional)	string	Search building by building number
glid (optional)	string	Global Location Id

Request parameters	Characteristic	Description/Requirements
demarcid (optional)	string	The demarcation Id
provider/supplier (optional)	string	The name of the supplier
sort_by (optional)	string	Sort by field. The default sort is by the building modified date, in descending order.
order_by (optional)	string	Indicates if the records are to be displayed in descending or ascending order. The default is descending order.
from_date (optional)	string	The start date to restrict results to only modified building records since the provided date. The date should be in the format (mm-dd-yyyy).
to_date (optional)	string	Restrict the results to only those buildings modified before this date. The default is the current date. The date should be in this format (mm-dd-yyyy)

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example


```
{
    "total": 100,
    "page": 0,
    "results": [{
        "buildingname": "124 Equestrian Dr",
        "street": "124 Equestrian Dr",
        "country": "United States",
        "state": "Texas",
        "city": "Fredericksburg",
        "postal": "78624",
        "msaname": "FREDERICKSBURG, TX",
        "latitude": "30.242957",
        "longitude": "-98.867801",
        "primaryNumber": "124",
        "streetName": "Equestrian",
        "streetSuffix": "Dr",
        "building_notes": "C",
        "buildingCategory": ["Commercial Building"],
        "networkBuildStatus": "Connected",
        "buildingConnectionStatus": "OnNet",
        "cllicode": "FRBGTXXA02T",
        "lata": "566",
        "accessMediums": ["Fiber"],
```

Success Response Example


```
        "elevation": 0.0,
        "provider": "FRONTIER COMMUNICATIONS CORPORATION",
        "npa": "830",
        "nxx": "454",
        "npanxx": "830-454",
        "uniqueKey": "AD55-2123-4031893404",
        "globalLocationId": "US862364VJ+WJ5PS00",
        "customerKey": "6201970359",
        "supplierServiceSpeedList": [{
            "serviceName": "Broadband",
            "speedName": "500/500",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0",
            "buildingNrc_12M": "0",
            "buildingMrc_24M": "0",
            "buildingNrc_24M": "0",
            "buildingMrc_36M": "0",
            "buildingNrc_36M": "0",
            "buildingMrc_48M": "0",
            "buildingNrc_48M": "0",
            "buildingMrc_60M": "0",
            "buildingNrc_60M": "0",
            "buildingNrc_84M": "0",
            "buildingMrc_120M": "0",
            "buildingMrc_240M": "0",
            "buildingNrc_240M": "0",
            "buildingMm_Mrc": "69.99",
            "buildingMm_Nrc": "0",
            "pricingChannel": "Default",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }, {
            "serviceName": "Broadband",
            "speedName": "1G/1G",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0",
            "buildingNrc_12M": "0",
            "buildingMrc_24M": "0",
            "buildingNrc_24M": "0",
            "buildingMrc_36M": "0",
            "buildingNrc_36M": "0",
            "buildingMrc_48M": "0",
            "buildingNrc_48M": "0",
            "buildingMrc_60M": "0",
            "buildingNrc_60M": "0",
            "buildingNrc_84M": "0",
            "buildingMrc_120M": "0",
            "buildingMrc_240M": "0",
            "buildingNrc_240M": "0",
            "buildingMm_Mrc": "94.99",
            "buildingMm_Nrc": "0",
            "pricingChannel": "Default",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }, {
            "serviceName": "Broadband",
            "speedName": "2G/2G",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0",
```

Success Response Example


```
            "buildingNrc_12M": "0",
            "buildingMrc_24M": "0",
            "buildingNrc_24M": "0",
            "buildingMrc_36M": "0",
            "buildingNrc_36M": "0",
            "buildingMrc_48M": "0",
            "buildingNrc_48M": "0",
            "buildingMrc_60M": "0",
            "buildingNrc_60M": "0",
            "buildingNrc_84M": "0",
            "buildingMrc_120M": "0",
            "buildingMrc_240M": "0",
            "buildingNrc_240M": "0",
            "buildingMm_Mrc": "129.99",
            "buildingMm_Nrc": "0",
            "pricingChannel": "Default",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }, {
            "serviceName": "Broadband",
            "speedName": "500/500",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0.0",
            "buildingNrc_12M": "0.0",
            "buildingMrc_24M": "0.0",
            "buildingNrc_24M": "0.0",
            "buildingMrc_36M": "0.0",
            "buildingNrc_36M": "0.0",
            "buildingMrc_48M": "0.0",
            "buildingNrc_48M": "0.0",
            "buildingMrc_60M": "0.0",
            "buildingNrc_60M": "0.0",
            "buildingNrc_84M": "0.0",
            "buildingMrc_120M": "0.0",
            "buildingMrc_240M": "0.0",
            "buildingNrc_240M": "0.0",
            "buildingMm_Mrc": "69.99",
            "buildingMm_Nrc": "0.0",
            "pricingChannel": "Channel",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }, {
            "serviceName": "Broadband",
            "speedName": "1G/1G",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0.0",
            "buildingNrc_12M": "0.0",
            "buildingMrc_24M": "0.0",
            "buildingNrc_24M": "0.0",
            "buildingMrc_36M": "0.0",
            "buildingNrc_36M": "0.0",
            "buildingMrc_48M": "0.0",
            "buildingNrc_48M": "0.0",
            "buildingMrc_60M": "0.0",
            "buildingNrc_60M": "0.0",
            "buildingNrc_84M": "0.0",
            "buildingMrc_120M": "0.0",
            "buildingMrc_240M": "0.0",
            "buildingNrc_240M": "0.0",
```

Success Response Example


```
            "buildingMm_Mrc": "94.99",
            "buildingMm_Nrc": "0.0",
            "pricingChannel": "Channel",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }, {
            "serviceName": "Broadband",
            "speedName": "2G/2G",
            "buildingSpeedOption": "Yes",
            "buildingMrc_12M": "0.0",
            "buildingNrc_12M": "0.0",
            "buildingMrc_24M": "0.0",
            "buildingNrc_24M": "0.0",
            "buildingMrc_36M": "0.0",
            "buildingNrc_36M": "0.0",
            "buildingMrc_48M": "0.0",
            "buildingNrc_48M": "0.0",
            "buildingMrc_60M": "0.0",
            "buildingNrc_60M": "0.0",
            "buildingNrc_84M": "0.0",
            "buildingMrc_120M": "0.0",
            "buildingMrc_240M": "0.0",
            "buildingNrc_240M": "0.0",
            "buildingMm_Mrc": "129.99",
            "buildingMm_Nrc": "0.0",
            "pricingChannel": "Channel",
            "networkConnectionStatus": "Connected",
            "buildingConnectionStatus": "OnNet",
            "mediaType": "Fiber",
            "currencyType": "$",
            "geographicRule": "5.0G/5.0G",
            "entity": "FRONTIER COMMUNICATIONS CORPORATION"
        }],
        "customPricingZone": "5.0G/5.0G"
    }.... to continue
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
total	Indicates the total number of pages in the result set.	int
page	Indicates the page number when there is more than one page in the response.	int
results	object wrapper	array
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
msaname	The name given to a metropolitan service area.	string

Response Attribute	Attribute Description	Data Type
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string
primary_number	The primary number for the location address, such as **134** Flanders Road.	int
street_name	The name of the street	string
street_predirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_postdirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone (CenturyLink)	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	String
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Sub category of the building for example “Commercial building – Enterprise HQ”. For detailed list of all possible response values refer to *Appendix A*.	array
networkBuildStatus	A metric to identify the build status of a carrier’s network in a building. • • • • Planned • Prospect	String

Response Attribute	Attribute Description	Data Type
building_Category	The type of building, for example, Commercial, Residential, etc.	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string

Response Attribute	Attribute Description	Data Type
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
uniqueKey (Connectbase #, Connectbase Building Key)	This field is used to identity the building number.	string
globalLocationId	Connectbase's proprietary ID system that provides a unique identification code for every location within the seven continents.	string
pricingZone	Indicates the zone type for pricing, such as Sprint Pricing Zone or Comcast Pricing Zone, for example.	int
zoneType	Identifies the location type for P2P Pricing Zones	string
supplierServiceSpeedList	Indicates the services, speeds, MRC and NRC for the services offered.	array
serviceName	The name of the product/service that was quoted.	string
speedName	The name associated with the selected speed, such as OC-3, OC48, etc.	string
buildingSpeedOption		string
buildingMrc_???	Monthly recurring cost for the associated speed	float
buildingNrc_???	Non-recurring cost for the associated speed	float
pricingChannel	Identifies the pricing channel: • Default • Wholesale •	string
networkConnectionStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string

Response Attribute	Attribute Description	Data Type
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
mediaType	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	string
currencyType	Currency default as defined in company instance.	string
geographicRule		boolean
entity	The entity name associated with the account.	string

Error Response Example

```
{
  "statusCode": 405,
  "message": "You either used POST, PUT, DELETE or some other operation that is not allowed. This API only accepts GET requests."
}
```

GET Building

Issue this call to return detailed information for a single building for a given company.

Requirements and Special Considerations

This API requires the building ID, company ID and subscription key. If you do not know the building ID, you can retrieve it using the Get All Buildings API.

Request URL

https://api.connected2fiber.com/v5/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingid	string	Building unique identifier
companyId	number	Company identifier

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Success Response Example


```
{
  "buildingname": "11 Comstock St",
  "street": "11 Comstock St",
  "country": "United States",
  "state": "California",
  "city": "Santa Clara",
  "postal": "95054",
  "msaname": "SAN JOSE-SUNNYVALE-SANTA CLARA, CA",
  "latitude": "37.374973",
  "longitude": "-121.953131",
  "primaryNumber": "11",
  "streetName": "Comstock",
  "streetSuffix": "St",
  "comcastPricingZone": "1",
  "indatelPricingZone": "1",
  "level3PricingZone": "1",
  "sprintPricingZone": "1",
  "verizonPricingZone": "1",
  "attPricingZone": "1",
  "buildingCategory": ["Commercial Building"],
  "buildingSubCategory": ["Commercial Building - Enterprise HQ"],
  "networkBuildStatus": "Prospect",
  "buildingConnectionStatus": "Prospect",
  "cllicode": "SNTCCA01DS0",
  "lata": "722",
  "accessMediums": ["Fiber"],
  "fiberOwnership": "Leased",
  "elevation": 0.0,
  "npa": "408",
  "nxx": "235",
  "npanxx": "408-235",
  "accessCustomerName": "any",
  "room": "500a",
  "minimumCircuitLevel": "any",
  "minimumQuantity": 2,
  "buildingClli": "12345678",
  "handoffType": "CAT5",
  "protectionType": "Single Path",
  "handOffPricing": 123.0,
  "uniqueKey": "0523-179-187594800",
  "horizontalCoordinate": 500.0,
  "attServingNodeCLLI": "12345678",
  "pricingZone": 1,
  "zoneType": "END USER"
}}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
primaryNumber	The primary number assigned to the street address, such as **123** Main Street.	string
streetname	The name of the street in which the location resides.	string
street_PreDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_PostDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Subcategory of building for example “Commercial building – Enterprise HQ”. For detailed list of all possible response values refer to *Appendix A*.	array
networkBuildStatus	A metric to identify the build status of a carrier’s network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet	string

Response Attribute	Attribute Description	Data Type
	• Prospect	
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
uniqueKey (Connectbase #, Connectbase Building Key)	This field is used to identity the building number, where applicable.	string
pricingZone	Indicates the zone type for pricing, such as Sprint Pricing Zone or Comcast Pricing Zone, for example.	int
zoneType	Identifies the location type for P2P Pricing Zones	string

Error Response Example

```
{
  "statusCode": 400,
  "message": "Building uniqueKey not found: EL00-123-cce20c"
}
```

GET Buildings by Address Components

Issue this call to get buildings by passing only the minimal query parameters (parsed address).

Requirements and Special Considerations

This API requires the company id. All other request parameters are optional.

Request URL

https://api.connected2fiber.com/v5/buildings/parsed_address_search[?companyId][&primary_number][&pre_direction][&street_name][&street_suffix][&post_direction][&city][&state][&zipcode][&country][&page][&size][&building_clli][&global_location_id][&latitude][&longitude][&radius]

Request parameters	Characteristic	Description/Requirements
companyid	number	Current Company Id
primary_number (optional)	string	Building Primary Number

Request parameters	Characteristic	Description/Requirements
pre_direction (optional)	string	Predirection
street_name (optional)	string	Street Name
street_suffix (optional)	string	suffix.
post_direction (optional)	string	Post direction
city (optional)	string	City
state (optional)	string	State
zipcode (optional)	string	Postal code
country (optional)	string	Country
page (optional)	number	Current page number. Default is 0.
size (optional)	number	Number of records to display. Default is 100
building_clli (optional)	string	Building CLLI
global_location_id (optional)	string	Global ID
latitude (optional)	number	Latitude
longitude (optional)	number	Longitude
radius (optional)	number	Radius

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Success Response Example


```
{
"total": 1,
"page": 0,
"results": [{
"buildingname": "South Shore Plaza",
"street": "250 Granite St",
"country": "United States",
"state": "Massachusetts",
"city": "Braintree",
"postal": "02184",
"msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
"latitude": "42.220902",
"longitude": "-71.02352",
"primaryNumber": "250",
"streetName": "Granite",
```

Success Response Example


```
"streetSuffix": "St",
"plus4Code": "2804",
"comcastPricingZone": "456",
"indatelPricingZone": "123",
"level3PricingZone": "123",
"sprintPricingZone": "123",
"verizonPricingZone": "123",
"attPricingZone": "123",
"buildingCategory": ["Commercial Building"],
"buildingSubCategory": ["Commercial Building - Enterprise HQ"],
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"cllicode": "BRNTMAWADS0",
"lata": "128",
"accessMediums": ["Fiber"],
"elevation": 0.0,
"npa": "781",
"nxx": "348",
"npanxx": "781-348",
"uniqueKey": "EL00-123-3d05c2h3",
"globalLocationId": "US87JC6XCG+QH5BS00",
}]
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
total	Indicates the total number of pages in the result set.	int
page	Indicates the page number when there is more than one page in the response.	int
results	object wrapper	array
building_name	The name/address assigned to the building location.	string
street	The street in which the building resides.	string
country	The country in which the building resides.	string
state	The state in which the building resides.	string
city	The city in which the building resides.	string
postal	The zip code in which the building resides.	string
primaryNumber	The primary number assigned to the street address, such as **123** Main Street.	string
streetname	The name of the street in which the location resides.	string
street_PreDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the left of (before) the street name such as E HOOVER ST.	string
street_PostDirection	An address element that indicates geographic location such as N, S, E, W, NE, NW, SE, and SW that is placed to the right of (after) the street name such as BAY DRIVE W.	string

Response Attribute	Attribute Description	Data Type
plus4_code	US format: zip code plus four, for example 12345-6789	int
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone (CenturyLink)	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Sub-category of building, for example, “Commercial Building – Enterprise HQ” etc. For detailed list of buildingSubCategory value refer to *Appendix A*.	array
networkBuildStatus	A metric to identify the build status of a carrier’s network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	string
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation	string

Response Attribute	Attribute Description	Data Type
	for the provision and administration of telecommunications services in the U.S.	
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	The clli code associated with this building.	string
ethernetZone	The pricing associated with ethernet services.	int
uniqueKey (Connectbase #, Connectbase Building Key)	This field is used to identity the building number, where applicable.	string
globalLocationId	Connectbase's proprietary ID system that provides a unique identification code for every location within the seven continents.	string

Error Response Example

```
{
 "statusCode": 404,
 "message": "No Values Returned"
}
```

GET Custom Fields

Issue this call to return the custom fields that have been created for a specific company or module.

Requirements and Special Considerations

This API requires the company Id and subscription key. The optional request parameter, module_name, can be specified to return only those custom fields for the module you name. For example, “MyBuilding” returns only those custom fields and names for your Buildings configuration.

Request URL

https://api.connected2fiber.com/v5/buildings/custom_fields[?companyId][&module_name]

Request parameters	Characteristic	Description/Requirements
companyId	number	Company unique identifier
module_name (optional)	string	The name of the module from which you wish to return custom fields. For example, “MyBuilding”

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
[{
    "field_name": "LEC",
    "field_type": "Text"
}, {
    "field_name": "Electricity",
    "field_type": "Text"
}, {
    "field_name": "Water Facility",
    "field_type": "Text"
}]
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
field_name	The customer defined name for the custom field.	string

Response Attribute	Attribute Description	Data Type
field_type	The customer defined field type of the custom field.	string

Error Response Example

```
{
  "statusCode": 401,
  "message": "Access denied due to invalid subscription key. Make sure to provide a valid key for an active subscription."
}
```

DELETE Remove Building

Issue this call to remove a single Building record from the database using the provided building id.

Requirements and Special Considerations

This API requires you to provide the building Id and the company ID of the building you wish to delete, as well as the appropriate subscription key.

If you do not know the building Id number, you can issue the *GET All Buildings* API to locate the building Id for the building you wish to delete.

Request URL

https://api.connected2fiber.com/v5/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingId	string	Building Id.
companyId	number	Company unique identifier

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
{
 "status": "200",
 "message": "Successfully Deleted"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
status	Indicates status of API completion. • Success • Failed	string

Response Attribute	Attribute Description	Data Type
message	Message associated with the status.	string

Error Response Example

```
{
“status”: “404”,
"message": name@company.com account is not entitled to delete Buildings
}
```

DELETE Remove Multiple Buildings

Issue this call to remove multiple buildings from the building data.

Requirements and Special Considerations

This API requires you to provide the building Id and the company ID of the buildings you wish to delete, as well as the appropriate subscription key.

If you do not know the building Id numbers for the building you want deleted, you can issue the *GET All Buildings* API to locate the building Ids.

To delete multiple buildings, Id parameter values must be separated by commas.

Request URL

https://api.connected2fiber.com/v5/buildings/[?companyId][&ids]

Request parameters	Characteristic	Description/Requirements
companyId	number	Your Company Id
ids	number	Comma separated building Id

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

Success Response Example

```
{
 "status": "200",
 "message": "Successfully Deleted"
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
status	Indicates status of API completion. • Success • Failed	string
message	Message associated with the status.	string

Error Response Example

```
{
   “status”: “404”,
   "message": name@company.com account is not entitled to delete Buildings
}
```

PUT Update Building

Issue this call to update an existing building attribute.

Requirements and Special Considerations

This API requires you to provide the unique key, company ID and subscription key to update a single building attribute.

Additionally, it requires you to supply the following mandatory data in the Request Body to update the building. Mandatory data includes the following fields:

- buildingname
- street
- city
- state
- country
- postal
- buildingCategory
- networkBuildStatus
- buildingConnectionStatus

The remaining request body fields are optional. They include:

- buildingSubCategory
- accessMediums
- latitude
- longitude
- customField

Request URL

https://api.connected2fiber.com/v5/buildings/{buildingId}[?companyId]

Request parameters	Characteristic	Description/Requirements
buildingId	string	unique building identifier
companyId	number	Your Company Id

Request headers	Characteristic	Description/Requirements
Content-Type	string	Media type of the body sent to the API.
Ocp-Apim-Subscription-key	string	The subscription key that provides access to this API, which can be found in your Profile.

In the request body, enter the mandatory required field inputs between the " ". For example, “buildingname”: “ABC”. As you enter the data into the request body, it displays in the HTTP request.

Request Body Attributes	Mandatory	Values/Requirements
buildingname	Yes	string
buildingCategory	Yes	Accepts multiple values passed as a list: [‘Airport’, ‘Commercial Building’] • Airport • Commercial Building • Data Center • Government • Health Care • Land • Military • Residential • School/University • Utility • Venue • Wireless
buildingSubCategory	No	Accepts multiple values passed as a list: ["Airport - International"] Building’] For detailed list of possible buildingSubCategory values refer to *Appendix A*.
street	Yes	string
city	Yes	string
state	Yes	string
postal	Yes	string
country	Yes	string
latitude	No	string
longitude	No	string
networkBuildStatus	Yes	• Connected • Not Connected • In Progress • Planned • Prospect
buildingConnectionStatus	Yes	• NearNet • OffNet • On Net–Limited Access • OnNet • Prospect

Request Body Attributes	Mandatory	Values/Requirements
accessMediums	No	Accepts multiple values passed as a list: ['Coax/HFC', 'Fiber'] • Coax/HFC • Copper • Fiber • Other • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite
customField	No	Passed as an object with each custom field being a separate attribute: { "customFieldName": "value", "customFieldName": "value"}
supplier	No	string
comcastPricingZone	No	string
indatelPricingZone	No	string
level3PricingZone	No	string (equivalent to CenturyLink in the user interface)
sprintPricingZone	No	string
verizonPricingZone	No	string
attPricingZone	No	string

Request body

```
{
"buildingname": "Mall of America",
"buildingCategory":["Commercial Building"],
"buildingSubCategory": ["Airport - International"],
"street" : "60 E Broadway",
"city" :  "Bloomington",
"state" : "MN",
"country" : "USA",
"latitude" : "",
"longitude" : "",
"postal" : "55425",
"networkBuildStatus": "Connected",
"buildingConnectionStatus": "OnNet",
"accessMediums": ["Coax/HFC", "Fiber"],
"customField":{ }
}
```

Success Response Example

```
{
  "code": 200,
  "message": "Building updated successfully.",
  "hasError": false,
  "detailMessage": null,
  "building": {
    "buildingname": "Mall Of America",
    "street": "60 E Broadway",
```

Success Response Example


```
    "country": "United States",
    "state": "Minnesota",
    "city": "Minneapolis",
    "postal": "55425",
    "primaryNumber": "60",
    "streetName": "Broadway",
    "streetPreDirection": "E",
    "plus4Code": "5510",
    "buildingCategory": ["Commercial Building"],
    "buildingSubCategory": ["Airport - International"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "accessMediums": ["Coax/HFC", "Fiber"],
    "elevation": 0.0,
    "uniqueKey": "EL00-123-cce20cdf"
  }
}
```


Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
code	Indicates 200 = Success or 400 = Failure of the API request.	int
message	For example, Contact added successfully.	string
hasError	Indicates if an error occurred; true/false	boolean
detailMessage	Detailed error message, where applicable.	string
building	object wrapper	object
buildingname	The address of the building.	string
street	The name of the street in which the building resides.	string
country	The name of the country in which the building resides.	string
state	The standard US Postal Service Abbreviation or full state name where the building or specified location resides.	string
city	The name of the city where the building or specified location resides.	string
postal	The zip code where the building or specified location resides.	string
msaname	The name given to a metropolitan service area.	string
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string

Response Attribute	Attribute Description	Data Type
primaryNumber	The primary number for the location address, such as **134** Flanders Road.	string
streetName	The name of the street	string
streetSuffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4Code	US format: zip code plus four, for example 12345-6789	string
comcastPricingZone	Comcast pricing zone	string
indatelPricingZone	Indatel pricing zone	string
level3PricingZone (CenturyLink)	Level 3 pricing zone	string
sprintPricingZone	Sprint pricing zone	string
verizonPricingZone	Verizon pricing zone	string
attPricingZone	AT&T pricing zone	string
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
buildingSubCategory	Sub-category of the building for example, ['Airport – International']. For detailed list of subcategory list refer to *Appendix A*.	Array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address. First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely	string

Response Attribute	Attribute Description	Data Type
	assigned by iconectiv® to identify the building location.	
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG) database published monthly by 'iconectiv'.	string
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
buildingClli	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string
ethernetZone	The pricing zone for Ethernet services.	int
uniqueKey (Connectbase #, Connectbase Building Key)	This field is used to identity the building number, where applicable.	string

Error Response Example


```
{
"statusCode": 400, "message": "Invalid Unique key: Building not found"
}
```

Appendix A - buildingSubCategory Parameter Values List

Category	Sub-category values
Airport	• Airport - Domestic • Airport - International
Commercial Building	• Commercial Building - Enterprise HQ • Commercial Building - Financial • Commercial Building - Hotel/Resort • Commercial Building - Mall • Commercial Building - Multi-Tenant • Commercial Building - Single Tenant • Commercial Building – Skyscraper • Commercial Building - Vacant
Data Center	• Data Center - Cable Landing Station • Data Center - Carrier Hotel • Data Center - Central Office • Data Center - Cloud • Data Center - Edge Site • Data Center - Enterprise • Data Center - Financial Exchange • Data Center - Head End • Data Center - MTSO • Data Center - Peering Point • Data Center - PoP • Data Center - Retail • Data Center - Wholesale
Government	• Government - Federal Civilian • Government - Federal Defense • Government - Federal Intelligence • Government – Local • Government - State
Health care	• Health Care - Assisted Care Facility • Health Care - Hospital • Health Care - Medical Office • Health Care - Pharmacy • Health Care - Research Center
Land	• Land - Farm • Land - Government • Land - Park • Land – Reservation • Land - Undeveloped
Military	• Military - Military Base • Military - Other
Residential	• Residential - Multi-dwelling unit • Residential - Single Family

Category	Sub-category values
	• Residential - Vacant Lot
School/University	• School/University - College/University • School/University - School-Private • School/University - School-Public • School/University - Trade School
Utility	• Utility - EV Charging Station • Utility - Gas • Utility - Power Plant • Utility - Power Station • Utility - Water
Venue	• Venue - Amusement Park • Venue - Arena • Venue - Casino • Venue - Concert Hall/Pavilion/Colosseum • Venue - Convention Center • Venue - Park • Venue - Places of Worship • Venue - Race Track • Venue - Stadium
Wireless	• Wireless - Broadcast Towers • Wireless - DAS/Small Cell • Wireless - Earth Station • Wireless - Guyed Tower • Wireless - Lattice • Wireless - Monopole • Wireless - Roof • Wireless - Stealth • Wireless - Street Furniture • Wireless - Unknown • Wireless - Utility Pole

Revision History

Revision	Date	Description
00	January 19, 2023	The information in this guide was extracted from the original “Connected World Building – Silver API Reference Guide” to act as a standalone reference guide going forward.
01	August 01, 2023	Updated buildingSubCategory parameter and response attributes in API calls.
02	September 25, 2023	New publication of the document with minor editorial updates.
03	March 11, 2024	Corrected Sample request body in "Post Create Building" method. Changed "installInterval" to installIntervalValue" request parameter.
04	December 16, 2024	Added API rate limit in "Connected World Building API" section.