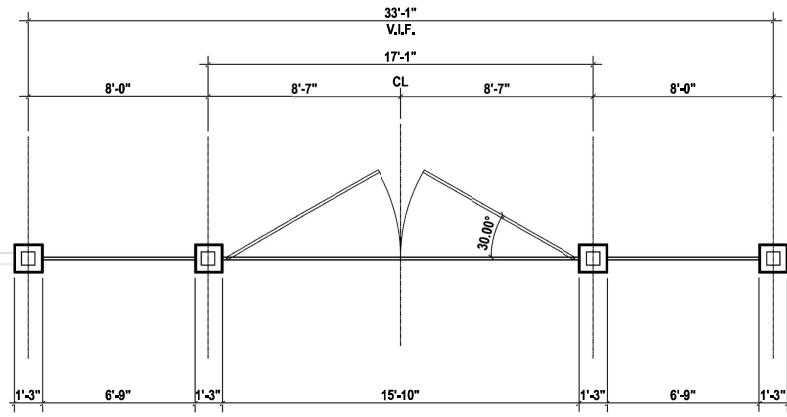
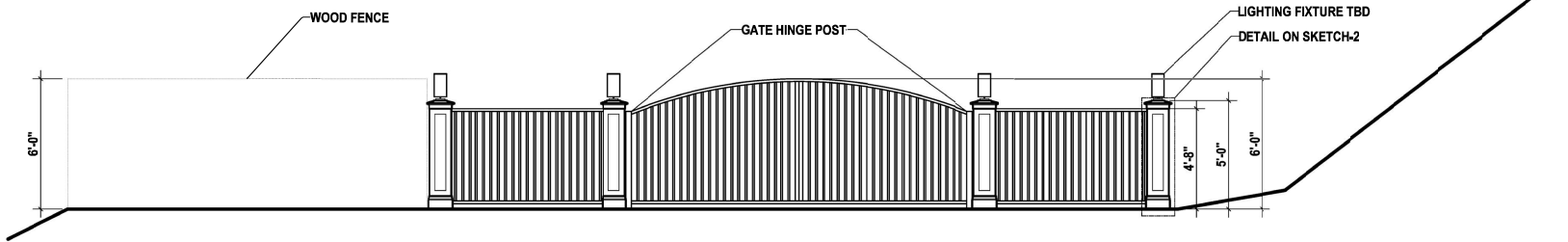


CORRECTIONS NEEDED
Re-Submit Plans For Approval



NOT TO SCALE
DIMENSIONS ARE PROVIDED
TO COMMUNICATE DESIGN
INTENT. ACTUAL POST
SPACING NEEDS TO BE
VERIFIED IN FIELD

SUZANNE ZAHR INC.
2441 SE 10TH AVE. SUITE 100
MERCER ISLAND, WASHINGTON 98040
T. 206 354 1967
WWW.SUZANNEZAHR.COM

NIEDERMAN RESIDENCE
REMODEL / ADDITION
6800 96TH AVE SE
MERCER ISLAND, WA 98040

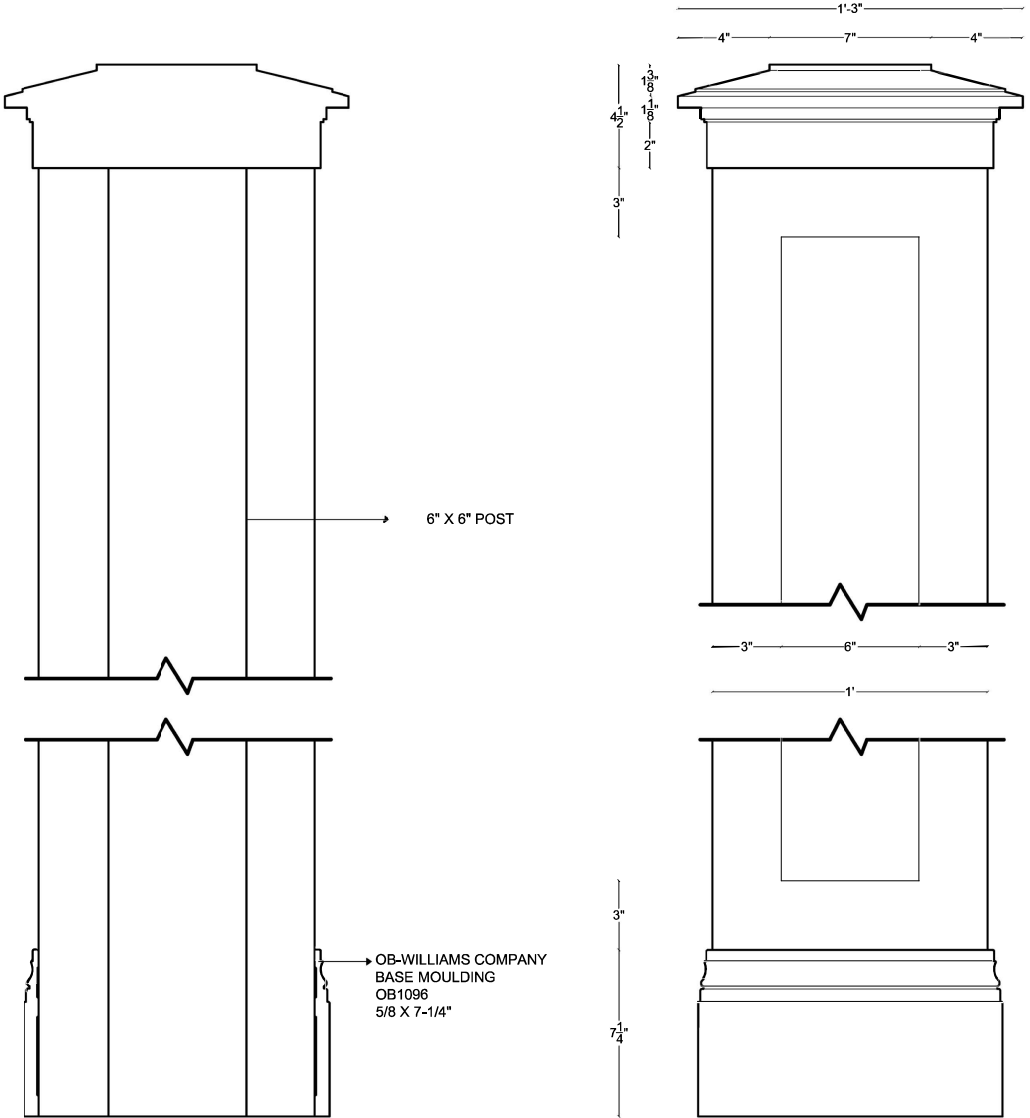
PROJECT NUMBER
16017

ISSUED / REVISIONS	DATE

ISSUE DATE: 06.05.20
DRAWN BY: LT
CHECKED BY: SZ

POST DETAILS

SHEET NUMBER
SK-1



POST DETAIL - SECTION

POST DETAIL - ELEVATION

NOT TO SCALE

SUZANNE ZAHR INC.
 2441 SE 10TH AVE, SUITE 100
 MERCER ISLAND, WASHINGTON 98040
 T. 206 354 1987
 WWW.SUZANNEZAHR.COM

NIEDERMAN RESIDENCE
 REMODEL / ADDITION
 6800 96TH AVE SE
 MERCER ISLAND, WA 98040

PROJECT NUMBER
16017

ISSUED / REVISIONS	DATE

ISSUE DATE: 06.05.2011
 DRAWN BY: LT
 CHECKED BY: SZ

POST DETAILS

SHEET NUMBER
SK-2

From: Jeromy Hicks <jeromy.hicks@mercergov.org>
Date: Tuesday, November 19, 2019 at 1:07 PM
To: Suzanne Zahr <sz@suzannezahr.com>, Chris Niederman <Chris@niederman.com>
Cc: Nicole Niederman <Nicole@niederman.com>
Subject: RE: Niederman Residence: 6800 96th Ave SE - Fire Code Reqs

This looks great! Thank you for summarizing our conversation. Please let me know if you have any further questions moving forward. The gate will require a permit... We can over the counter the permit with the appropriate information included in the developer manual.

Jeromy

From: Suzanne Zahr <sz@suzannezahr.com>
Sent: Tuesday, November 19, 2019 1:03 PM
To: Chris Niederman <Chris@niederman.com>
Cc: Nicole Niederman <Nicole@niederman.com>; Jeromy Hicks <jeromy.hicks@mercergov.org>
Subject: Niederman Residence: 6800 96th Ave SE - Fire Code Reqs

Chris,

Just got off the phone with Fire Marshal Jeromy Hicks (copied). He was kind enough to answer my questions, regarding Fire Code. Please see a summary of my understanding below.

- Chris – please confirm where the Fire Department Connection of your 13R Sprinkler System is located. We and assumed, based on preliminary permit info, that it is on the Garage (within the proposed gate / fence-line) – correct?
- Considering the approx. width of the access road at 14', Jeromy suggests that the gate meet that width, though code requires a 20' opening. Considering the existing site access conditions, no less than a 12' gate opening would be acceptable. This allows small emergency vehicles 'minis' to negotiate the access road and reach your home. (14' sounded to me like a reasonable compromise)
- You are not on an arterial road, so you're not obligated to comply with the 30' clearance outside of your gate.
- You are required to install a 'click-to-enter' (more expensive, but nicely automated) or Knox box system (more affordable, but less able to integrate with smart technology) on your Entry Gate. This allows emergency vehicles to open your gate, in case of emergency.

Fire Marshal Hicks – did I miss anything?

Thank you, Suzanne

--

Suzanne Zahr
ARCHITECT | GC
2441 76th Ave SE, Suite 160
Mercer Island, WA 98040
206. 354. 1567
suzannezahr.com

Thanks,
--Chris

Sent from my iPhone



Auto Security Gates

Gates securing the fire apparatus access roads shall comply with all the following criteria:

105.7.9 Gates and barricades across fire apparatus access roads. 2015 IFC

A construction permit is required for the installation of or modification to a gate or barricade across a fire apparatus access road.

D103.5 Fire apparatus access road gates. 2015 IFC

Gates securing the fire apparatus access roads shall comply with all the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm). *A gate less than 20-feet in width may be approved if only serving a single residence, provided it is protected by a fire sprinkler system or additional Fire Protection measures are added.*
2. Gates shall be of the swinging or sliding type.
3. Gates located on a main arterial shall have provisions for fire apparatus to pull completely off the roadway. Gates shall be set back at least 30 feet from roadway.
4. Construction of gates shall be of materials that allow manual operation by one person.
5. Gate components shall always be maintained in an operative condition and replaced or repaired when defective.
6. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official. *A Knox Key Switch, Knox Box, or Click 2 Enter system is required.*
7. Methods of locking shall be submitted for approval by the fire code official.
8. Electric gate operators, where provided, shall be listed in accordance with UL 325.

9. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F 2200.

Submit Plans and Specification Sheets for Permit Review

1. Two sets of construction documents and supporting data shall be submitted.
105.4.1
2. Construction documents shall be drawn to scale and may be provided in paper format or using electronic media. *For more information on electronic plan submittal visit <http://www.mercergov.org/Page.asp?NavID=2619>.*
3. Plans shall clearly show gate location, driveway paved area all the way to the access road, access easement width if applicable, control pedestal, and any access obstructions in the area.

Permit Review and Inspection

The target Fire Review date for Auto Security Gates is 3 weeks. Two inspections will be performed. A City of Mercer Island electrical inspector will conduct an electrical safety inspection. A Mercer Island Fire Department inspector will perform the final inspection including the Knox Box/Switch or Click 2 Enter. To request your **electrical** inspection use the Inspection Request Line or mybuildingpermit.com. To request your Fire Department inspection use either the Inspection Request Line or mybuildingpermit.com **AND** schedule the date and time at 206-275-7966. Please allow 48 hours notice for your Fire Department Inspection.

Click 2 Enter vs Knox Box/Key Switch

Click 2 Enter uses a radio frequency device to provide emergency access. This provides access to all authorized fire and police agencies in the event of an emergency. Knox access is only available to the Mercer Island Fire Department. We very strongly recommend the use of Click 2 Enter since it also provides access to police and other responding Fire Departments. We frequently get automatic Aid from Bellevue and Seattle Fire, aid, and paramedic units. While there is a cost increase, this system will provide a much higher level of access in the event of a medical or fire emergency.