

## MARCHETTI CONSULTING ENGINEERS

P (914) 764-9011 F (914) 764-9012

25 High Ridge Rd Pound Ridge, NY 10576

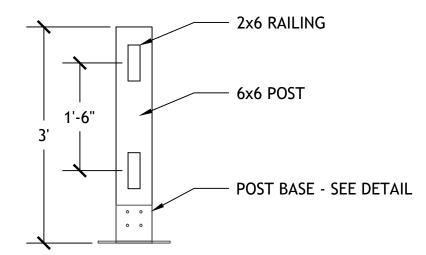
Drawings and Specifications, as instruments of professional service, are and shall remain the property of the Engineer. Documents are not to be used, in whole or in part, for other projects or purposes or by any other parties than those authorized by contract without the specific written authorization of the Engineer. The use of this document is contingent upon payment to the engineer for services rendered. Non-payment shall give the Engineer the authority to bar document use by any and all parties. If owner disputes any Engineer's statements for services, it is required that the owner advise the engineer in writing with ten (10) days. Remaining, undisputed portions are due and payable upon receipt. The owner shall indemnify the Engineer against any claims alleging damages or delays incurred in the event the Engineer exercises the right to bar document use for non-payment. Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported immediately to the Engineer before proceeding.

No.	DESCRIPTION	DATE
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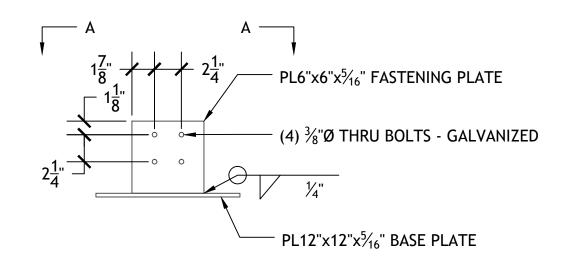
XATART RESIDENCE 43 SYLVAN RD NEW FAIRFIELD, CT 06812

PARKING STRUCTURE PLAN AND ELEVATIONS

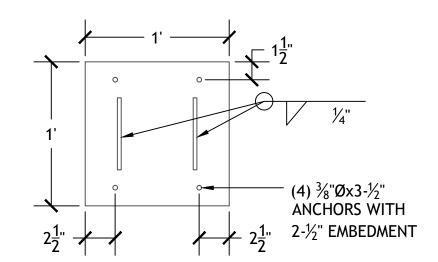
PROJECT NUMBER:	#2023-93
DATE:	9-12-2023
DRAWN BY:	ZTM
CHECKED BY:	ZTM
<b>S</b> -	1
SCALE:	AS NOTED



# VEHICLE BARRIER DETAIL SCALE: 3/4"=1'-0"



## VEHICLE BARRIER BASE PLATE DETAIL SCALE: 1½"=1'-0"



### **STRUCTURAL SPECIFICATIONS:**

#### **GENERAL NOTES:**

ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE STATE OF CONNECTICUT BUILDING CODE, TOWN OF NEW FAIRFIELD BUILDING DEPT. AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

THE MATERIALS AND INSTALLATION OF ALL STRUCTURAL MEMBERS TO CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTURCTION (AISC EDITION 13), AMERICAN CONCRETE INSTITUTE (ACI 318), NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) AND ALL CODES AND STANDARDS APPLICABLE TO THE INSTALLATION.

ALL WORK IS TO BE APPROVED AND SIGNED OFF AFTER INSTALLATION BY THE ENGINEER OF RECORD, MARCHETTI CONSULTING ENGINEERS.

ALL WORK IS TO BE GUARANTEED FOR A PERIOD OF 1 YEAR AFTER INSTALLATION.

#### TIMBER:

ALL POSTS TO BE SOLID SAWN 6x6 AND TREATED FOR OUTDOOR USE, MINIMUM OF EPOXY COATED.

ALL LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT) DOUGLAS FIR #2 GRADE WITH A BASE VALUE FB OF 850 PSI, OR BETTER.

BENDING, SINGLE USE	900 PSI
TENSION PARALLEL TO GRAIN	575 PSI
COMPRESSION PARALLEL TO GRAIN	1300 PS
HORIZONTAL SHEAR	95 PSI
COMPRESSION PERPENDICULAR TO GRAIN	625 PSI

ALL JOINTS TO BE MORTIS AND TENNON TYPE WITH RAILS SPIKED INSIDE OF POSTS

#### STEE

ALL PLATES SHAPES TO BE 36 KSI

ALL WELDING TO BE DONE BY CERTIFIED WELDING TECHNICIAN WITH E-70XX ELECTRODES.

### CONCRETE:

ALL CONCRETE WORK SHALL CONFORM TO THE "AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI301-95)

ALL CONCRETE IS DESIGNED BY ULTIMATE STRENGTH METHODS AND SHALL BE NORMAL WEIGHT AIR ENTRAINED WITH A 28 DAY COMPRESSIVE STRENGTH.

ALL REINFORCING SHALL BE HIGH STRENGTH DEFORMED BARS ASTM A615 GRADE 60.

PROVIDE REINFORCEMENT BARS AS INDICATED IN CONCRETE FOOTINGS AND FOUNDATION DETAILS.

ALL REINFORCING TO HAVE THE MINIMUM OF CONCRETE COVERAGE:

3" FOR CONCRETE/EARTH INTERFACE
2" FOR CONCRETE/OUTSIDE EXPOSURE
3/4" FOR CONCRETE/INTERIOR/CONCRETE EXPOSURE

ALL BAR SPLICES TO BE MINIMUM LENGTH OF 30", EXCEPT VERTICAL BARS WHICH WILL BE CONTINUOUS

BACKFILL COUNTERFORTS WITH CARE, AVOID VOIDS TO ALLOW FOR COMPACTION OF BACKFILLED SOILS

ALL FOOTING AND FOUNDATION WALL CONCRETING TO BE 4000 PSI STRENGTH AT 28 DAYS.

NOTE: SIZE OF FOOTINGS BASED UPON AN ASSUMED 4,000 POUND/SQUARE FOOT SOIL BEARING CAPACITY, FIELD CONDITIONS MAY VARY.

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STAMP & SIGN:

SCALE:

XATART RESIDENCE
43 SYLVAN RD
NEW FAIRFIELD, CT 06812

# PARKING STRUCTURE DETAILS AND SPECIFICATIONS

<b>S_2</b>	
CHECKED BY:	ZT
DRAWN BY:	ZT
DATE:	9-12-202
PROJECT NUMBER:	#2023-9

AS NOTED