

Eagle Scout Service Project

Joseph Archer

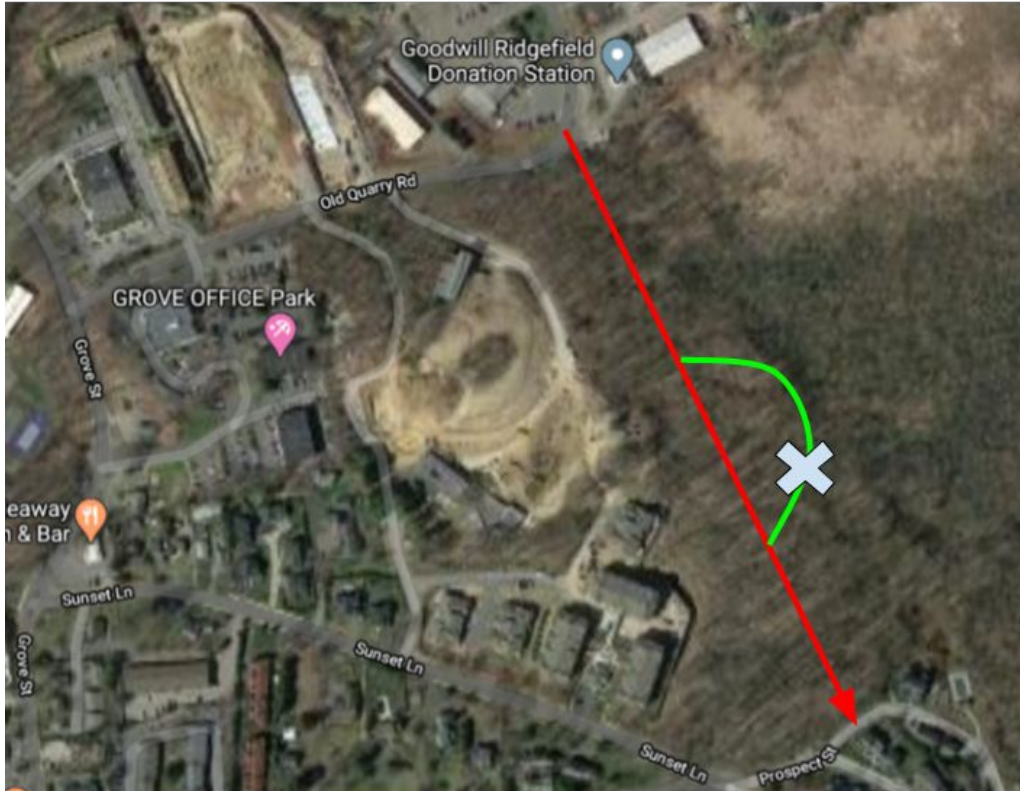
Eagle Scout Service Project - Bridge

- Construct 20' x 4' wooden bridge over small stream
- Complete trail work on both sides of bridge


Purpose

- To allow pedestrians and cyclists to easily and safely cross over the stream and use trail system

Location - Former Schlumberger Property

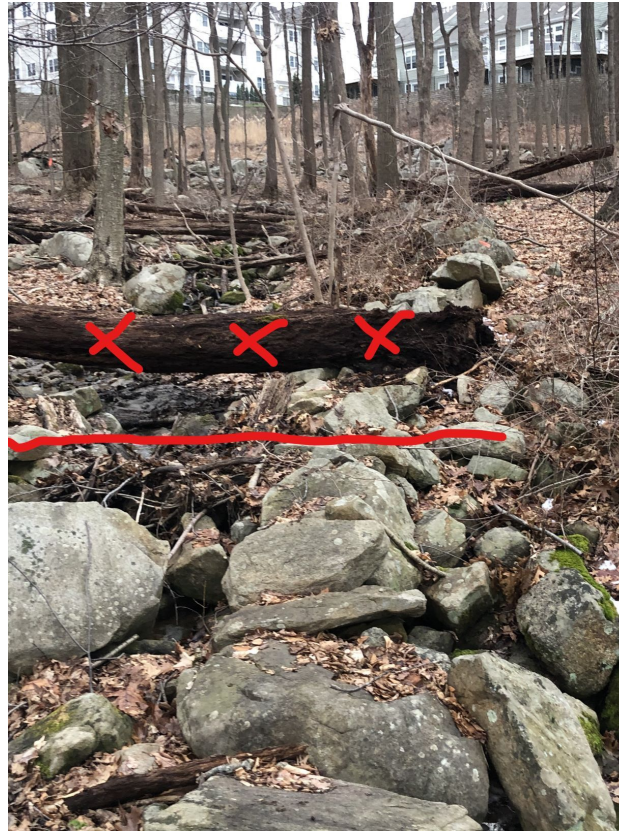


Key :

-  Existing Trail
-  Trail to be Made
-  Site of Project

Trail is located behind Goodwill Ridgefield Donation Station off of Old Quarry Rd.

Photos of Existing Site



- Red line - approximate placement of bridge
- Red X's - fallen tree to be removed

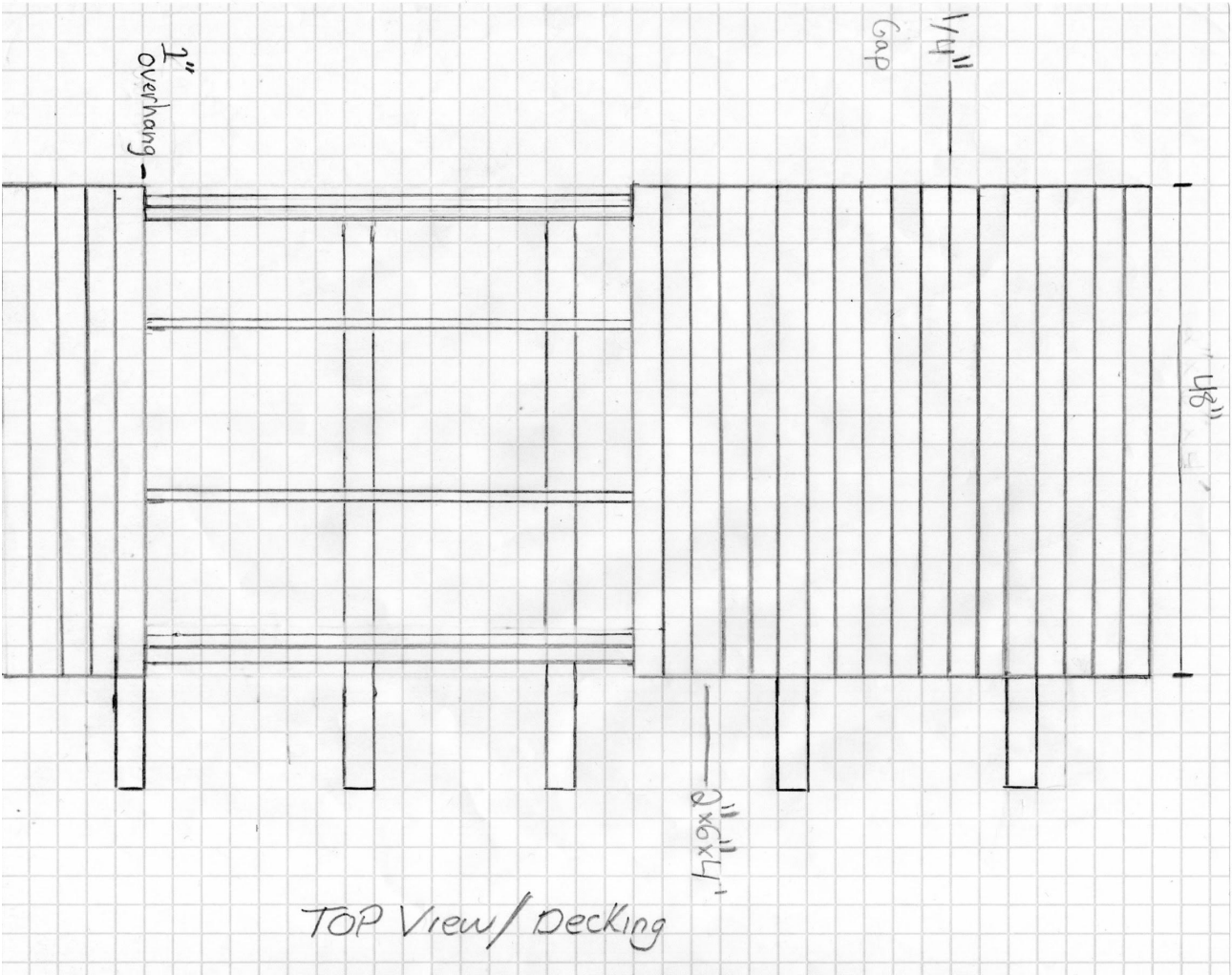
Photos of Existing Site Cont.



- Red line - indicates approximate placement of bridge
- Red dots indicate trail work to be completed
- Red X's indicate fallen tree to be removed

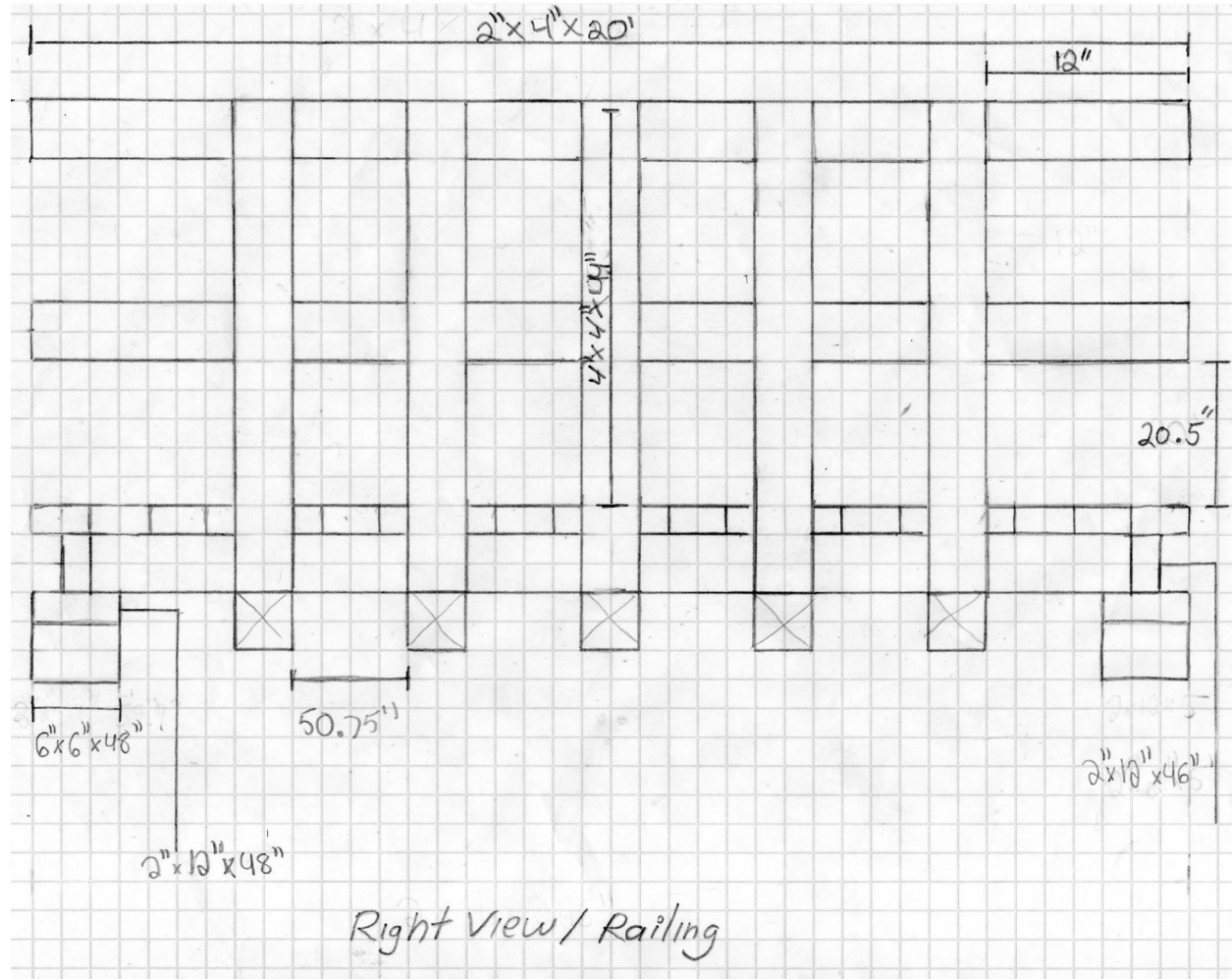
Sketches

Top View/Decking



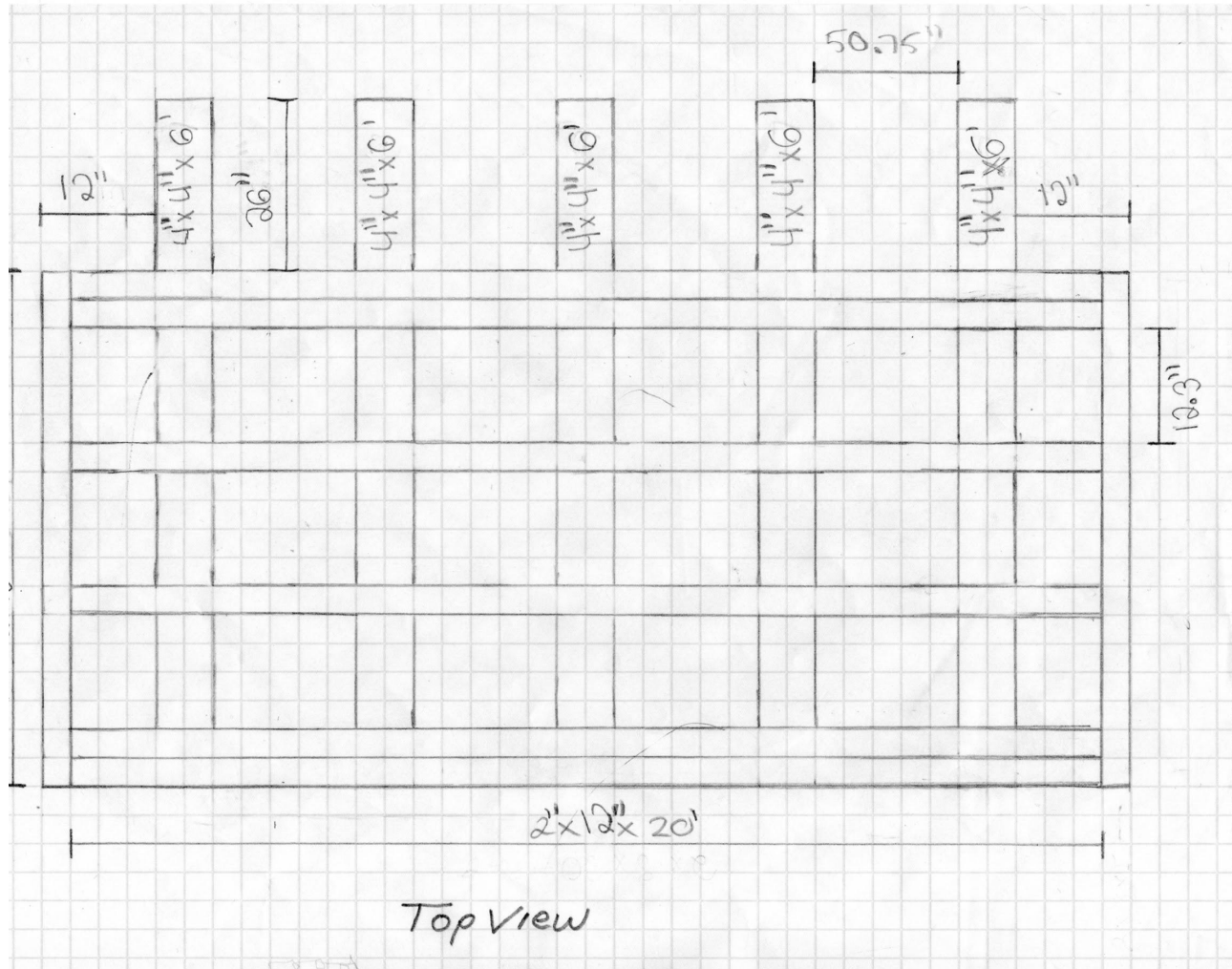
Sketches

Right View/ Railing



Sketches

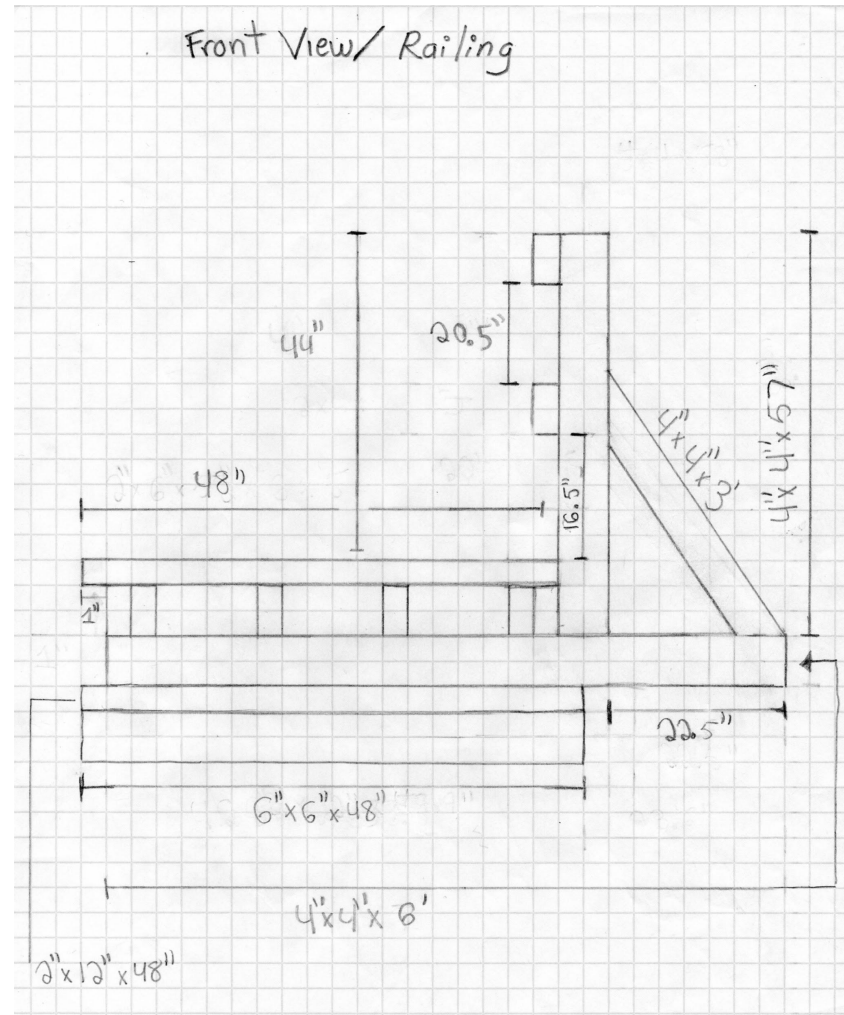
Top View



Top View

Sketches

Front View/Railing



Work Plan

Thursday Before Project Date
<p>Location: My House</p> <p>Work To Be Done:</p> <ul style="list-style-type: none">• Pre-cutting and marking all wood for project according to cut sheet <p>Volunteers Needed</p> <ul style="list-style-type: none">• 2 Adults• 3 Scouts (Including Myself)

Saturday
<p>8:00-12:00 (Morning Shift)</p> <p>Work To Be Done:</p> <ul style="list-style-type: none">• Bring tools and materials to project site• Trail Work on both sides of bridge site (Clearing bushes,leaves and branches and fallen logs)• Clearing Riverbed and removing rocks <p>Volunteers Needed:</p> <ul style="list-style-type: none">• 3 Adults• 8 Scouts (Not including myself) <p>12:00 - 12:30 Lunch Time</p>

<p>12:30 - 4:30 (Afternoon Shift)</p> <p>Work to be Done:</p> <ul style="list-style-type: none">• Build Frame for Bridge• Add Underbridge Post Supports and move Frame to Bridge Site• Add Railing Post to Bridge Frame• Begin to build Decking of Bridge• Add Railing Post Diagonals <p>Volunteers Needed:</p> <ul style="list-style-type: none">• 3 Adults• 5 Scouts (Not Including Myself)
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Work Plan

Sunday

8:00 - 12:00 (Morning Shift)

Work To Be Done:

- Finish Decking Bridge
- Add Railing
- Add Traction Strips to Decking of Bridge

Volunteers Needed:

- 2 Adults
- 4 Scouts (Not Including Myself)

12:00 - 12:30 Lunch Time

12:30 - 4:30 (Afternoon Shift)

Work To Be Done:

- Put Rock Steps on both sides of bridge
- Finishing Touches to bridge
- Clean-up

Volunteers Needed:

- 2 Adults
- 4 Scouts (Including Myself)

Material List

***All Wood Is Pressure Treated**

Item	Use	Cut list		Material List	
		Quantity	Cuts	Quantity	Material
Outer and Center Supports of Frame	Supports Bridge	6	2x12x20	6	2x12x20
End Caps of Frame	Connects Inner and Outer Supports of Frame	2	2x12x46"	1	2x12x10
Support Plates of Bridge	Supports frame and levels base	2	2x12x48"	1	2x12x10
Railing Post	Holds the Railing	5	4x4x57"	5	4x4x12
Under Bridge Railing Post Supports	Supports the Railing Diagonal	5	4x4x6		
Railing Diagonal Supports	Supports the Railing Posts	5	4x4x3	1	4x4x10 4x4x8
Railing	To keep people from falling off bridge	4	2x4x10	4	2x4x10
Support Plate Foundation	Foundation for Support Plate	2	6x6x4	1	6x6x8
Decking	To create surface for walking/biking	42	2x6x4	22	2x6x8

Item	Use	Cut list		Material List	
		Quantity	Cuts	Quantity	Material
Deck Screws	To connect 2 x 12 frame of bridge	50		1	1lb Box of 150 4in Exterior Decking Screws
Deck Screws	To connect frame/decking to frame/ to connect handrails to post	386		2	5lb Box 3 ½ in Exterior Decking Screws
Deck Screws	To fasten Traction Strips to decking of bridge	72		1	1lb Box 1in Exterior Decking Screws
Lag Screws	To Connect Railing Posts to Outer Supports of Frame	10		10	6in x ½ in Lag Screws
Washers	To keep lag bolt head from digging into the wood	10		10	½ Washers
Traction Strips	To add traction to bridge	18	¾"x1 ½"x4	1	2x6x8
TimberLok Screws	To connect Underbridge Railing Post Supports to Outer and Center Supports of Frame and Connect Railing Diagonals to Railing Post and Under Bridge Railing Post Supports	50		1	1 Box of 50 6in TimberLok Screws



Cash Customer
Invoice Address
CT

Ridgefield Supply

29 Prospect Street
Ridgefield, CT, 06877
Telephone: 203-438-2626
Fax: 203-438-3817

Quotation

Quote No **133225**
Quote Date **06/10/2020**
Expiration Date **7/10/2020**

Delivery Address

QUOTE #2
ARCHER
EAGLE SCOUT PROJECT - WATT
HORTON BRIDGE, CT

Customer CASH
Your Ref HORTON BRIDGE #2
Taken By Tom Cicero
Sales Rep HOUSE ACCOUNT

Contact Number **JOE ARCHER**

Contact Number **203-851-3426**



Page 1 of 2

Special Instructions				Notes		
				joeyace2005@gmail.com		
Line	Product Code	Description	Qty/Footage	Price	Per	Total
1	PT021220	2X12X20 TREATED SYP #1 6/20	6 ea	73.00	ea	438.00
2	PT021210	2X12X10 TREATED SYP #1 2/10	2 ea	23.65	ea	47.30
3	PT040412	4X4X12 TREATED SYP #1 5/12	5 ea	19.36	ea	96.80
4	PT040410	4X4X10 TREATED SYP #1 1/10	1 ea	19.35	ea	19.35
5	PT040408	4X4X8 TREATED SYP #1 1/8	1 ea	15.16	ea	15.16
6	PT020410	2X4X10 TREATED SYP #1 4/10	4 ea	6.79	ea	27.16
7	PT060608	6X6X8 TREATED SYP #2 1/8	1 ea	30.59	ea	30.59
8	PT020608	2X6X8 TREATED SYP #1 22/8	22 ea	7.64	ea	168.08
9	17930	SCORPION 4" XT2 CERAMIC COATED SCREW 15c	1 ea	26.09	ea	26.09
10	17929	SCORPION 3-1/2" XT2 CERAMIC COATED SCREW 200pc	2 ea	26.99	ea	53.98
11	17924	SCORPION 1-1/4" XT2 CERAMIC COATED SCREW 1,000pc	1 ea	25.19	ea	25.19

Subject to our terms and conditions of sale. Further copies available on request.

Print Date 08/25/2020



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Page 2 of 2

Line	Product Code	Description	Qty/Footage	Price	Per	Total
12	09819	HILLMAN 1/2" X 6" GALV HEX LAG SCREW 'B' 661974	10 ea	3.23	ea	32.30
13	09059	HILLMAN 1/2" GALV FLAT WASHER 'B' 660840	10 ea	0.44	ea	4.40
14	PT020608	2X6X8 TREATED SYP #1 1/8	1 ea	7.64	ea	7.64
15	18219	FASTENMASTER 6" TIMBERLOK SCREW 50pc	1 ea	39.95	ea	39.95

Total Amount	\$1,031.99
Sales Tax	\$95.53
Quotation Total	\$1,097.52

By your signature below, you are agreeing to the Terms and Conditions set forth on back or attached.

Buyer _____ Date _____

Subject to our terms and conditions of sale. Further copies available on request.

Date

Print Date 08/25/2020