

Bennett's Creek Landing Special Meeting of the Membership
November 8, 2010
7:00 PM

Members Present:

Buck Tysor
Edward Leinwand
Dena Hall
Phil Johnson
Pat & Kollette Hillard
Chris & Jennifer Henderson
Jeff Lynch
Jim Pittman
Keith Maddrey
Jimmy Wilson
Daniel Strum, *by Proxy*
Steve Turner, *by Proxy*

Members Absent:

Neil and Carol Wilson
Peter & Suzanne Teumer
Stephen & Kathereen Laine
John Chacko

Quorum was established. The meeting was called to order by Pat Hillard at 7:00 PM.

Welcome and Introductions:

Unfinished Business:

Pat Hillard gives an overview on the topic of insurance coverage for the pier and dock should the structure be destroyed by a storm or other disaster. Phil Johnson presents an insurance quote from Great American: The Marina Group could purchase \$117,000.00 of insurance for Physical Structural damages caused by anything other than wind, wave, or flood, with a deductible of \$2,500.00. Occurrences caused by wind, wave or flood would carry a \$25,000.00 deductible. The annual premium for this coverage would be approximately \$3,546.00. This policy would also carry liability coverage on the Marina.

A motion made, seconded discussed and carried to accept the quote as presented, not to exceed \$4,000.00. The Replacement Reserves would only be funded with the difference in the actual premium amount and the \$4,000.00.

The current liability policy will be canceled once the new coverage is in place. The previous annual premium payment will help offset the new premium price and the annual contribution to the Replacement Reserves will be adjusted accordingly. This measure is being taken to avoid an increase in the quarterly assessments.

New Business:

None

Meeting adjourned at 8:20 PM

Bennett's Creek Landing Marina Meeting
October 18, 2010
7:00 PM

Members Present:

Buck Tysor	Dena Hall, by proxy
Edward Leinwand	Nigel Buttery, by Proxy
Neil & Carol Wilson	Daniel Strum, by Proxy
Phil Johnson	
Pat Hillard	
Chris & Jennifer Henderson	
Jeff Lynch	
Jim Pittman	

Members Absent:

Steve Turner
Jimmy Wilson
Keith Maddrey
Peter & Suzanne Teumer
Stephen & Kathereen Laine
John Chacko

Quorum was established. The meeting was called to order by Pat Hillard at 7:00 PM.

Welcome and Introductions:

Mr. Dan Forbes, President of the Bennett's Creek Landing HOA was a guest in attendance. Mr. Forbes discussed with the Marnia members some of the violations that are being noted within the community. The Association has received complaints in reference to boats, personal water craft and trailers that are being stored in view.

Financial Report:

The financial report was approved as presented with one question on line item 5277- Office Expense/Printing. Management to research these expenditures and report findings back to the membership.

Unfinished Business:

Pat Hillard and Phil Johnson present their findings on the future financial needs of the Marina. Pat Hillard opens the floor for discussion on pier replacement insurance versus a special assessment should a major storm take out the pier and it would have to be replaced. Phil Johnson has a quote from Great American insurance but was asked to seek additional quotes. Subject tabled until a Special Meeting on Monday, November 8, 2010 can be held. Management to send Special Meeting notices.

New Business:

Proposed 2011 operating budget:

The proposed 2011 Operating Budget was adopted as presented with a contingency that projected line item figures may change based on a vote of the membership, should they elect to purchase replacement insurance.

Date set to turn off water:

Date of November 22nd or 23rd set to have water to the pier turned off. Management is to have Pump-out Station repaired first.

Slips for sale:

Currently there are no slips for sale

Repairs:

It is reported that the pedestal at slip #14 is not working. Management is instructed to have an electrician trouble shoot the problem and bring finds back to membership.

The light at the gate to the pier and the fish cleaning station are not working properly. The light at the gate should be on a motion sensor. Management instructed to have these items corrected as well as having all of the railing lights checked to insure that they are working properly.

Management instructed to have a handyman look at the door to the electric panel shed. It is not opening properly.

Neil Wilson updates the membership on FOBC and future dredging needs. Neil asks for a volunteer to take over and oversee the dredging project. Jeff Lynch volunteers to assist with this project. Neil will meet with Jeff and share all of the material he has on the matter.

Meeting adjourned at 8:20 PM

Bennett's Creek Landing Marina Meeting
April 12, 2010
7:00 PM

Members Present:

Dena Hall	Steve Turner, <i>by Proxy</i>
Buck Tysor	Jimmy Wilson, <i>by Proxy</i>
Jim Pittman	Keith Maddrey, <i>by Proxy</i>
Neil Wilson	Edward Leinwand, <i>by Proxy</i>
Phillip Johnson	
Pat Hillard	
Jennifer Henderson	

Members Absent:

Nigel Buttery
Peter and Suzanne Teumer
Stephen and Kathereen Laine
John Chacko
Daniel Strum
Lan Huynh

Quorum was established. The meeting was called to order by Pat Hillard at 7:00 PM.

Financial Report: Question in reference to the interest rate on the replacement reserves and how fast it was growing. Pat Hillard was able to answer the question. Financial report approved as submitted.

Unfinished Business:

Pat Hillard and Phil Johnson are serving on a committee to review the future financial needs of the Marina and give an update on their findings. Pat Hillard opens the floor for discussion on a high deductible insurance policy for the docks. Phil Johnson presented a quote from Great American for this type of policy. Phil Johnson will continue to seek better rates. Phil Johnson stated that the Board could go to the insurance carrier and obtain coverage based on an "Agreed Value" versus the actual replacement value as originally projected. There was a recommendation to try and locate the previous estimate that was quoted at about \$120,000.

A motion was made, seconded, discussed and approved to have Pat Hillard and Phil Johnson continue working to acquire an estimate for insurance coverage, and granted authorization for Pat Hillard to purchase an insurance policy, if the quote fit into the parameters of \$140,000 of insurance, with a 25k deductible, and cost \$3,000 per year or less.

Note:

This coverage will allow for funding of the Replacement Reserves without having to increase the current dues.

New Business:

Dock/Pier/Slip Repairs:

The floor was turned over to Neil Wilson to present his findings on damages which occurred from previous storms. There was discussion on the need to reinforce and lift the finger piers up. The question was posed, if there was a municipal code for marine construction, and there is not. Neil Wilson provided two design options for design requirements of the finger piers. A copy of the diagrams will become part of the minutes of the meeting.

A motion was made, seconded, discussed and approved to adopt these drawings, along with the accompanying description of construction and description of materials, as the required standards for construction of any finger pier extensions or other owner-built finger pier platforms. This standard is to be abided from the date of the meeting forward. Either option shown will be valid. The owner can choose which option to use for construction, depending on which works best for his dock.

Members were reminded that they would still have to have their own insurance on their individual finger piers.

Spring Clean- up:

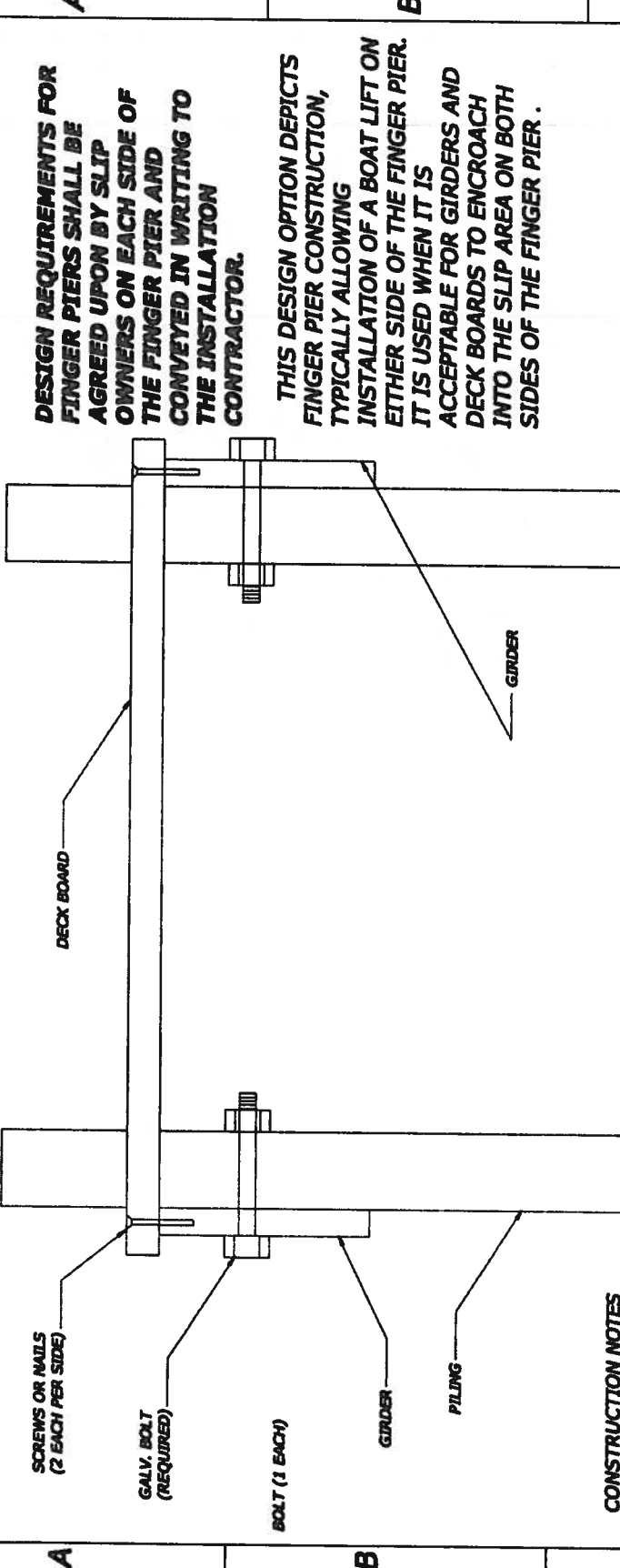
Discussion of the upcoming Spring clean-up. Jim Pittman agreed to check with his landscaper to see if he would be able and or willing to help with the Spring clean-up. Members agree to start on Saturday, April 17, 2010 at 8 AM for an initial clean-up day.

Slips for sale:

It was reported that there are no slips for sale.

Meeting adjourned at 8:35 PM

IF ANY ERRORS OR OMISSIONS ARE DISCOVERED ON THESE PLANS THAT HAVE AN ADVERSE AFFECT ON THE INTENDED WORK, THAT PORTION OF THE WORK SHALL BE RECONSTRUCTED UNDER A SEPARATE AGREEMENT. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE BUILDING. ANY INFORMATION ON THESE PLANS IS IN CONTACT WITH THE APPLICABLE CODES. THE OWNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE BUILDING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE BUILDING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE BUILDING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE BUILDING.



DESIGN REQUIREMENTS FOR FINGER PIERS SHALL BE AGREED UPON BY SLIP OWNERS ON EACH SIDE OF THE FINGER PIER AND CONVEYED IN WRITING TO THE INSTALLATION CONTRACTOR.

THIS DESIGN OPTION DEPICTS FINGER PIER CONSTRUCTION, TYPICALLY ALLOWING INSTALLATION OF A BOAT LIFT ON EITHER SIDE OF THE FINGER PIER. IT IS USED WHEN IT IS ACCEPTABLE FOR GIRDERS AND DECK BOARDS TO ENCR OACH INTO THE SLIP AREA ON BOTH SIDES OF THE FINGER PIER .

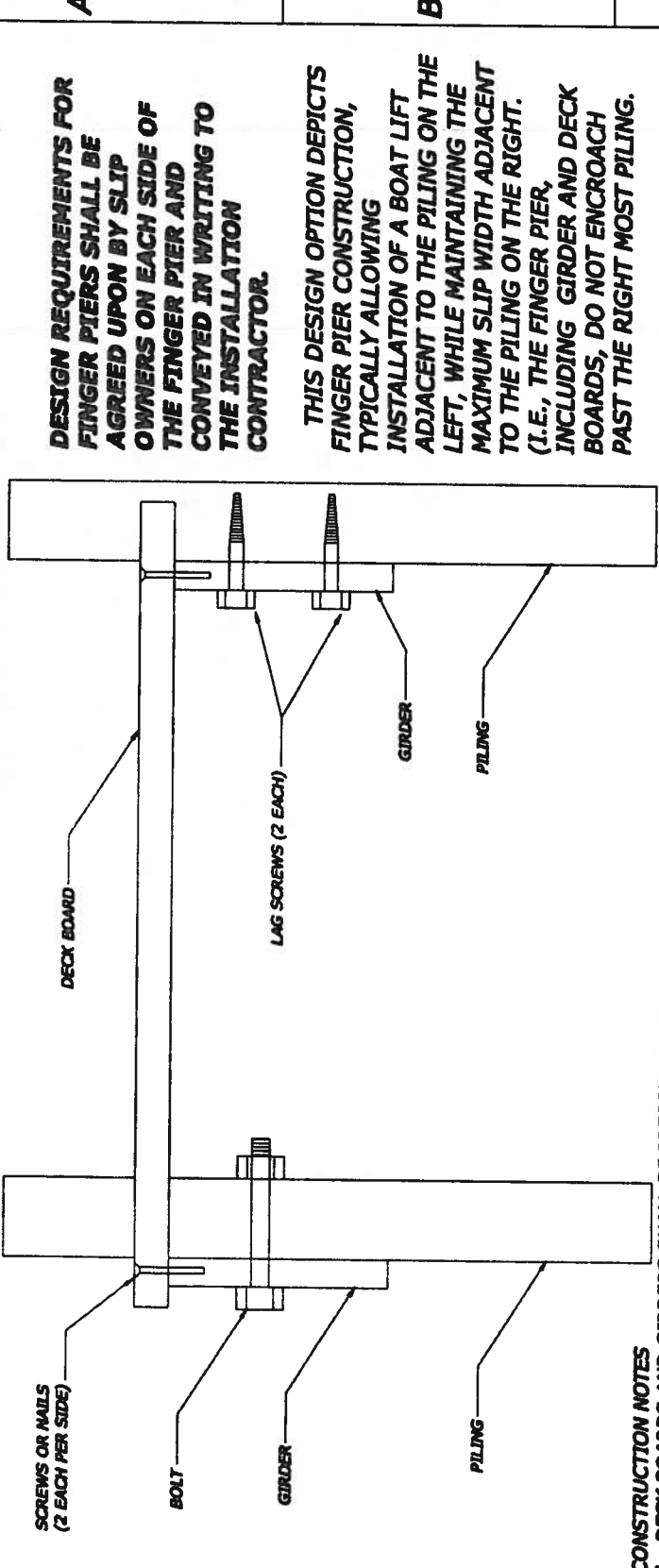
FINGER PIER DESIGN OPTION 1

- CONSTRUCTION NOTES**
- DECK BOARDS AND GIRDERS SHALL BE PRESSURE TREATED.
 - GIRDERS, 2X10 (MINIMUM), SPAN NOT TO EXCEED 10'.
 - DECK BOARDS, 2X6 (MINIMUM), SPAN NOT TO EXCEED 6'
 - GAPS BETWEEN DECKBOARDS SHALL BE 1/2" (MINIMUM)
 - DECK FASTENERS:
 - SCREWS, STAINLESS STEEL, 3" MIN LENGTH, #10 GAGE
 - NAILS, GALVANIZED, RING OR SPIRAL SHANK ONLY, 3" MIN LENGTH x 20d or EQUIVALENT
 - DO NOT USE STRAIGHT SHANK NAILS AS THE NAIL HEADS WILL POP UP ABOVE THE SURFACE OF THE DECK OVER TIME.
 - GIRDER FASTENERS
 - BOLTS, W/ WASHERS, GALVANIZED, 5/8" DIAMETER (MINIMUM) x REQD. LENGTH
 - LAG SCREWS, W/ WASHERS, GALVANIZED, 1/2" DIAMETER (MINIMUM) x 8" LENGTH (MINIMUM)

<p>NO. DATE REVISION DESCRIPTION</p>		<p>DESIGNER: Neil Wilson 100 Windy Point Drive Surfok, VA 23435 Occupation: Engineer</p>	<p>SHEET 1</p>
1			

In the event of these drawings to provide additional instructions to the contractor to ensure the project meets the requirements of the design. It is the contractor's responsibility to verify accuracy and compliance with all applicable codes and specifications before construction. The contractor shall be responsible for any errors or omissions in the drawings. The contractor shall be responsible for any errors or omissions in the drawings. The contractor shall be responsible for any errors or omissions in the drawings. The contractor shall be responsible for any errors or omissions in the drawings.

IF ANY CHANGES OR CORRECTIONS ARE DISCOVERED ON THESE PLANS THAT AFFECT THE SAFETY OR THE STRUCTURAL INTEGRITY OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



DESIGN REQUIREMENTS FOR FINGER PIERS SHALL BE AGREED UPON BY SLIP OWNERS ON EACH SIDE OF THE FINGER PIER AND CONVEYED IN WRITING TO THE INSTALLATION CONTRACTOR.

THIS DESIGN OPTION DEPICTS FINGER PIER CONSTRUCTION, TYPICALLY ALLOWING INSTALLATION OF A BOAT LIFT ADJACENT TO THE PILING ON THE LEFT, WHILE MAINTAINING THE MAXIMUM SLIP WIDTH ADJACENT TO THE PILING ON THE RIGHT. (I.E., THE FINGER PIER, INCLUDING GIRDER AND DECK BOARDS, DO NOT ENCROACH PAST THE RIGHT MOST PILING.

FINGER PIER DESIGN OPTION 2

CONSTRUCTION NOTES

- DECK BOARDS AND GIRDERS SHALL BE PRESSURE TREATED.
 - GIRDERS, 2X10 (MINIMUM), SPAN NOT TO EXCEED 10'.
 - DECK BOARDS, 2X6 (MINIMUM), SPAN NOT TO EXCEED 6'
 - GAPS BETWEEN DECKBOARDS SHALL BE 1/2" (MINIMUM)
- DECK FASTENERS:
 - SCREWS, STAINLESS STEEL, 3" MIN LENGTH, #10 GAGE
 - NAILS, GALVANIZED, RING OR SPIRAL SHANK ONLY, 3" MIN LENGTH x 20d or EQUIVALENT
 - DO NOT USE STRAIGHT SHANK NAILS AS THE NAIL HEADS WILL POP UP ABOVE THE SURFACE OF THE DECK OVER TIME
- GIRDER FASTENERS
 - BOLTS, W/ WASHERS, GALVANIZED, 5/8" DIAMETER (MINIMUM) x REQ. LENGTH
 - LAG SCREWS, W/ WASHERS, GALVANIZED, 1/2" DIAMETER (MINIMUM) x 8" LENGTH (MINIMUM)

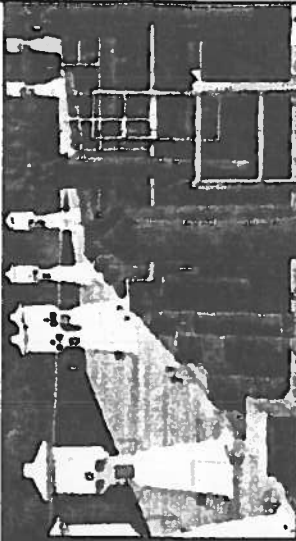
NO.	DATE	REVISION DESCRIPTION
1		
2		

Designer: Neil Wilson
 100 Windy Point Drive
 Suffolk, VA 23435
 Occupation: Engineer

812 Professional Place | Chesapeake, VA 23320

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3" #10

SPAINCEZ

73" / 16

50...



Everything You Wanted To Know About Nails...

Penny-Inch Nail Equivalents

2d = 1"	12d = 3-1/4"
3d = 1-1/4"	16d = 3-1/2"
4d = 1-1/2"	20d = 4"
5d = 1-3/4"	30d = 4-1/2"
6d = 2"	40d = 5"
7d = 2-1/4"	50d = 5-1/2"
8d = 2-1/2"	60d = 6"
9d = 2-3/4"	70d = 7"
10d = 3"	80d = 8"

Nail Gauge	Decimal Equivalent	Nearest Inch
5-1/2	.220	13/64"
7	.177	11/64"
9	.1483	5/32"
10	.135	9/64"
11	.1205	1/8"
11-1/2	.115	7/64"+
12	.1055	7/64"
12-1/2	.099	3/32"+
13	.0915	3/32"
14	.080	5/64"+
14-1/2	.076	5/64"
16-1/2	.058	1/16"

Nail Specifications

Origin of "PENNY-WISE" Nail Designations

There are two explanations for the English "penny" system of designating nail lengths. One is that the eight penny, six penny, two penny nails, etc. were so-called originally because one hundred nails cost eightpence, sixpence, twopence, etc. The other theory says that one thousand eight penny nails, for example, weighed eight pounds, one thousand four penny nails weighed four pounds, etc.

The "d" abbreviation for penny (8d for example) is of ancient origin and represents the first letter of the Roman coin denarius.

Nails used for wood-to-wood applications (such as wood siding nails, cedar shingle nails, etc.) are traditionally referred to by the "penny" designation, i.e., 5d or 6d nails, etc. However, nails for non-wood applications, fiber-cement siding nails, metal roofing nails, etc. are primarily referred to by inches, i.e., 1-1/2" or 2" nails, etc.

There is no readily apparent system for correlating the various penny designations. They must be memorized individually.

Hand-Driven Nails For Decking & Trim

Stormguard® Pressure Treated Lumber "P.T.L."® Nails

These nails are made from stiffer stock steel so the shanks can be smaller in diameter to help reduce wood splitting without bending. Ring and spiral shanks provide exceptional holding power. Producers of treated lumber and many building codes specify hot-dip galvanized or stainless steel nails because they have a rust-free life expectancy comparable to that of the treated lumber. Maze STORMGUARD® "P.T.L. Nails" are double-dipped in molten zinc.



Mfg. No.	Plain Shank	Length	Gauge	Head	Wt./Lb.
T445	2"	11	9/32"	137	
T447	2-1/2"	11	9/32"	111	
T449	3"	10	9/32"	75	
T4490	3-1/4"	10	9/32"	69	
T4491	3-1/2"	9	5/16"	54	
T4492	4"	7	3/8"	33	
T4493	4-1/2"	7	3/8"	29	
T4494	5"	5-1/2	15/32"	22	
T4496	6"	5-1/2	15/32"	18	

Lifetime Warranty!

Mfg. No.	Ring Shank	Length	Gauge	Head	Wt./Lb.
T445-A	2"	11	9/32"	137	
T447-A	2-1/2"	11	9/32"	111	
T449-A	3"	10	9/32"	75	
T4490-A	3-1/4"	10	9/32"	69	
T4491-A	3-1/2"	9	5/16"	54	
T4492-A	4"	7	3/8"	33	
T4493-A	4-1/2"	7	3/8"	29	
T4494-A	5"	5-1/2	15/32"	22	
T4496-A	6"	5-1/2	15/32"	18	

Lifetime Warranty!

Mfg. No.	Spiral Shank	Length	Gauge	Head	Wt./Lb.
T445-S	2"	11	9/32"	137	
T447-S	2-1/2"	11	9/32"	111	
T449-S	3"	10	9/32"	75	
T4490-S	3-1/4"	10	9/32"	69	
T4491-S	3-1/2"	9	5/16"	54	
T4492-S	4"	7	3/8"	33	
T4493-S	4-1/2"	7	3/8"	29	
T4494-S	5"	5-1/2	15/32"	22	
T4496-S	6"	5-1/2	15/32"	18	

Stormguard® Small Head "PTL"® Nails

These small-headed "PTL"® Nails are less noticeable - resulting in a more finished look. A slimmer shank made from extra-stiff wire drives easier in treated lumber and causes fewer splits especially on redwood and cedar decks. Spiral shanks hold tighter than smooth shank nails. Double dipped in molten zinc.

Lifetime Warranty!

Mfg. No.	Spiral Shank	Length	Gauge	Head	Wt./Lb.
T57-S	2-1/2"	12	3/16"	146	
T59-S	3"	11	7/32"	98	
T591-S	3-1/2"	11	7/32"	82	

Zinclad® Screws For Decking, Etc.

These case-hardened screws are hot-dipped in molten zinc to meet the specifications of producers of wood treatment chemicals. Excellent for a wide variety of outdoor uses such as decks, boat docks, steps, patios, furniture, fences, flower boxes, or any project where long-term corrosion-resistance and exceptional holding power are required. #2 Phillips head screw.



Mfg. No.	Length	Gauge	Head	Wt./Lb.
DZ163	1-5/8"	#6	11/32"	180
DZ200	2"	#8	11/32"	117
DZ250	2-1/2"	#8	11/32"	100
DZ300	3"	#8	11/32"	90

3" x #9 Exterior Screws
Galvanized Rust-Resistant
(70)

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Swan Secure

Swan Secure "Portlands" Fiber Cement Siding Nails 316 Stainless Steel

- Annular Ring Thread
- Sharp Diamond Point
- Checker Pattern Head



Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.
1-1/4	11	.120	11/32	199
1-1/2	11	.120	9/32	179
2	11	.120	9/32	144
2-1/2	11	.120	9/32	115

Swan Secure Cedar & Redwood Decking Nails 304 Stainless Steel

- Small Flat Head • Annular Ring Thread



Penny Size	Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.
8d	2-1/2	12	.109	7/32	145
10d	3	12	.109	7/32	120
12d	3-1/4	12	.109	7/32	110
16d	3-1/2	11	.120	1/4	88

Swan Secure Stainless Steel "Un-Commons" 304 Stainless Steel or 316 Stainless Steel

- Smooth Shank or Threaded
- Smooth or Checkered Flat Head
- Diamond Point



Penny Size	Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.
2d	1	15	.072	3/16	807
3d	1-1/4	14	.083	7/32	473
4d	1-1/2	12	.109	1/4	228
5d	1-3/4	12	.109	1/4	193
6d	2	11	.120	17/64	144
7d	2-1/4	11	.120	17/64	133
8d	2-1/2	10	.134	9/32	94
10d	3	9	.148	5/16	67
12d	3-1/4	9	.148	5/16	60
16d	3-1/2	8	.165	11/32	44
20d	4	6	.203	7/16	25
30d	4-1/2	6	.203	7/16	22
40d	5	6	.203	7/16	19
60d	6	4	.238	15/32	12

Swan Secure Joist Hanger Nails 304 Stainless Steel or 316 Stainless Steel



Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.
1-1/2	10	.134	5/16	147
1-1/2	9	.148	5/16	126
2-1/2	10	.134	5/16	94
3	9	.148	5/16	67
3-1/2	8	.165	3/8	44

Swan Secure Post & Beam Nails 304 or 316 Stainless Steel or Bronze

- Smooth Flat Head • Diamond Point
- Annular Ring or Screw Shank



Penny Size	Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.	
					Stainless	Silicon Bronze
6d	2	12	.109	17/64	175	161
8d	2-1/2	11	.120	9/32	115	104
10d	3	10	.134	5/16	79	71
12d	3-1/4	10	.134	5/16	72	65
16d	3-1/2	9	.148	5/16	56	48
20d	4	8	.165	3/8	40	36
30d	4-1/2	8	.165	3/8	35	33
40d	5	8	.165	3/8	31	29
40d	5	6	.203	7/16	19	18
60d	6	6	.203	7/16	17	15
60d	6	4	.238	15/32	12	11
70d	7	4	.238	15/32	10	9

- Slightly lighter gauge than our "Un-Commons", Post & Beam Nails are easily driven with a minimum of splitting.
- Favored for cooling tower construction, repair & upgrade. These nails are ideal for either fir or redwood jobs.
- Use longer lengths for framing jobs using pressure treated structural members
- Annular Ring thread for best withdrawal resistance.
- Screw Shank for shear loading and end grain work.

Swan Secure "Sea-Cure" Nails For Marine Service 304 Stainless or 316 Stainless Steel Commercial or Silicon Bronze, Monel

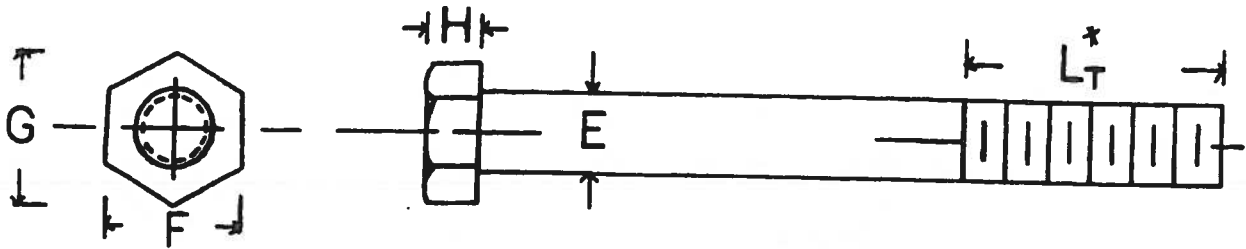
- Large Flat Head
- Annular Ring Thread
- Diamond Point



Length	Gauge	Shank Dia.	Head Dia.	Approx. Count/Lb.	
				Stainless	Copper Alloy
3/4	15	.072	3/16	1050	913
3/4	14	.083	7/32	757	664
7/8	14	.083	7/32	657	617
1	15	.072	3/16	807	689
1	14	.083	7/32	622	536
1	12	.109	17/64	364	303
1-1/4	14	.083	7/32	473	424
1-1/4	13	.095	9/32	357	324
1-1/4	12	.109	17/64	272	245
1-1/2	14	.083	7/32	413	374
1-1/2	12	.109	17/64	228	204
1-1/2	10	.134	3/8	147	132
1-3/4	12	.109	17/64	193	179
1-3/4	10	.134	3/8	130	118
2	12	.109	17/64	175	161
2	10	.134	3/8	114	104
2	8	.165	7/16	75	65
2-1/2	12	.109	17/64	138	128
2-1/2	10	.134	3/8	94	83
2-1/2	8	.165	7/16	62	54
3	10	.134	3/8	79	71
3	9	.148	3/8	67	58
3	8	.165	7/16	51	45
3	6	.203	1/2	34	31
3-1/4	9	.148	3/8	60	52
3-1/4	8	.165	7/16	48	43
3-1/4	6	.203	1/2	31	27
3-1/2	8	.165	7/16	44	40
3-1/2	6	.203	1/2	29	26
4	6	.203	1/2	25	23
4	4	.238	9/16	18	17
4-1/2	6	.203	1/2	22	20
4-1/2	4	.238	9/16	16	15
5	6	.203	1/2	19	18
5	4	.238	9/16	15	14
6	4	.238	9/16	12	11

- Large bearing surface under heads holds planking securely to framing members on new construction and re-nailing projects.
- Annular Ring "Barbed" Threads provide maximum holding power and resistance to nail head popping.
- Specify Type 316 Stainless Steel to minimize discoloration of heads and paint bleed-through.
- Silicon Bronze offers best resistance to stress-corrosion cracking under heads in salt water service.

**Hex Head Machine Bolts
 Hot Dip Galvanized**

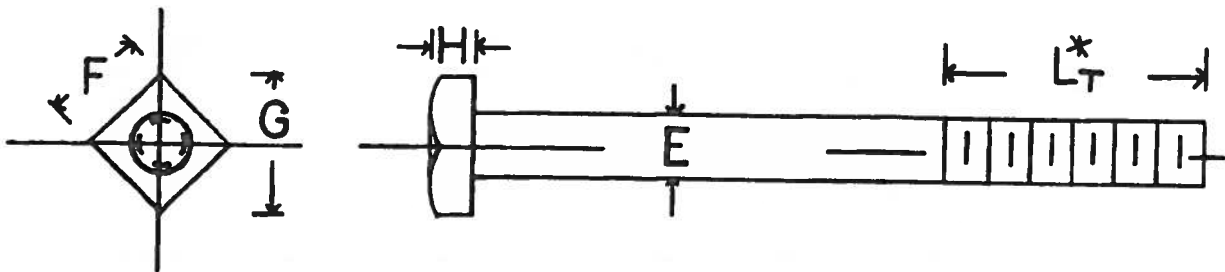


E	F	G	H	L _T [*]
1/2	3/4	27/32	11/32	6
5/8	15/16	1-1/16	7/16	6
3/4	1-1/8	1-1/4	1/2	6
7/8	1-5/16	1-1/2	9/16	6
1	1-1/2	1-11/16	11/16	6
1-1/8	1-11/16	1-7/8	3/4	6
1-1/4	1-7/8	2-1/8	7/8	6
1-1/2	2-1/4	2-1/2	1	6

* On bolts over 12" in length

See ASTM for dimension tolerances

**Square Head Machine Bolts
 Hot Dip Galvanized**

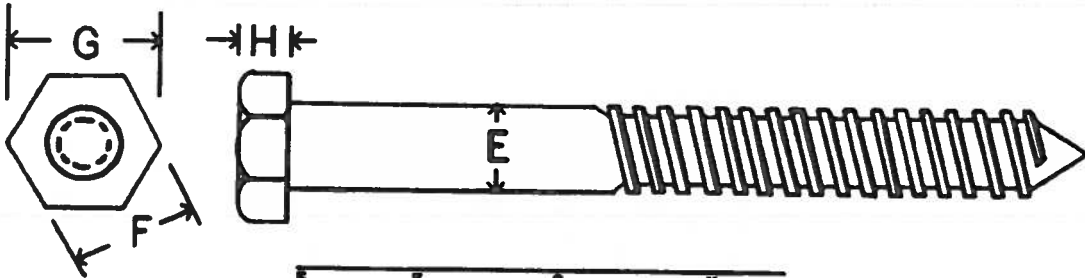


E	F	G	H	L _T [*]
1/2	3/4	1-1/64	11/32	6
5/8	15/16	1-5/16	7/16	6
3/4	1-1/8	1-1/2	1/2	6
7/8	1-5/16	1-3/4	19/32	6
1	1-1/2	1-1/16	21/32	6
1-1/8	1-11/16	2-5/16	3/4	6
1-1/4	1-7/8	2-9/16	7/8	6
1-1/2	2-1/4	3-1/8	1	6

* On bolts over 12" in length

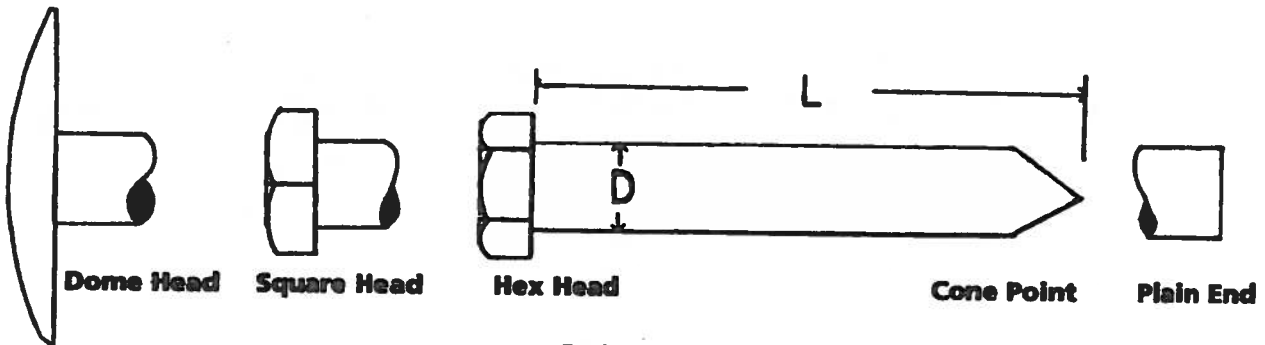
See ASTM for dimension tolerances

**Hex Lag Screws
 Hot Dip Galvanized**



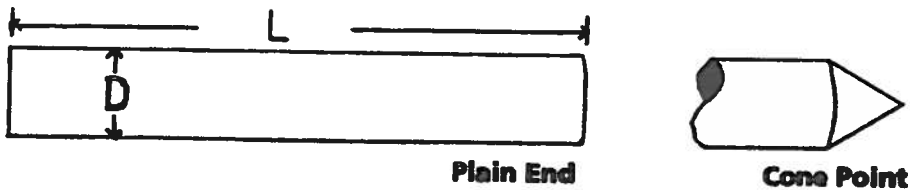
E	F	G	H
3/8	9/16	5/8	1/4
1/2	3/4	27/32	11/32
5/8	15/16	1-1/16	7/16
3/4	1-1/8	1-1/4	1/2
7/8	1-5/16	1-1/2	9/16
1	1-1/2	1-11/16	11/16

**Drift Bolts
 Hot Dip Galvanized**



D = Diameter
 L = Length

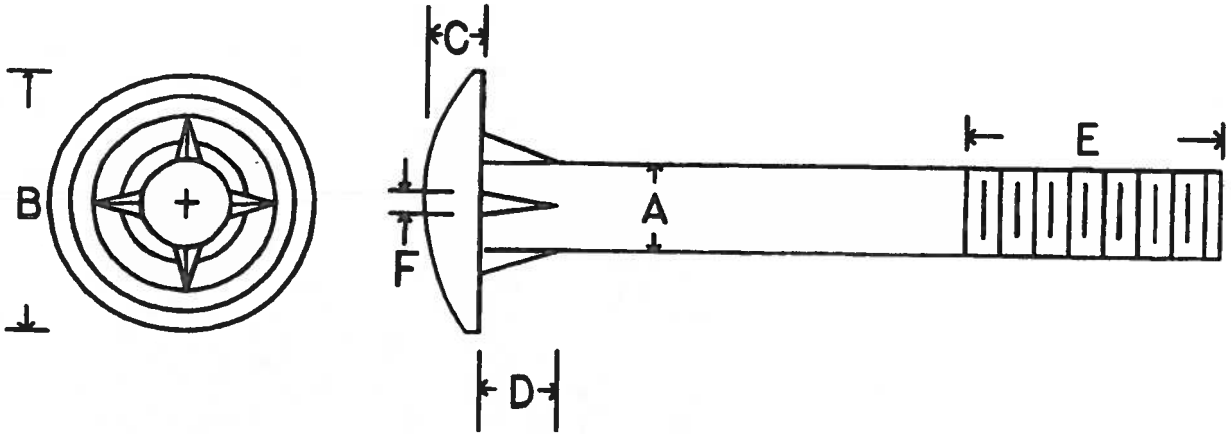
**Drift Pins
 Hot Dip Galvanized**



D = Diameter
 L = Length



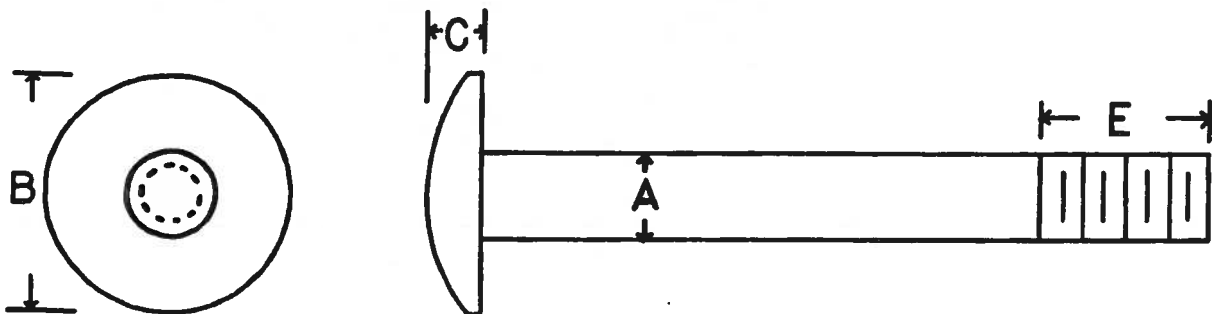
Weather-Tuff Timber Bolts Hot Dip Galvanized



A	B	C	D	E*	F
1/2	1-3/4	.275	1/4	6	.200
5/8	2-1/4	5/16	5/8	6	1/4
3/4	2-5/8	7/16	3/4	6	1/4
7/8	3	7/16	7/8	6	9/32
1	3	1/2	1	6	5/16

* On bolts over 12" in length

Dome Head Bolts Hot Dip Galvanized



A	B	C	E*
5/8	2-1/4	5/16	6
3/4	2-5/8	7/16	6
7/8	3	7/16	6
1	3	1/2	6

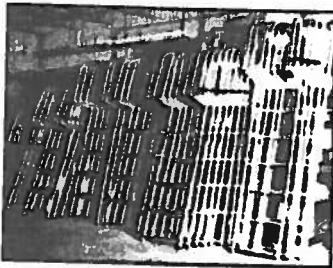
* On bolts over 12" in length

Ladders



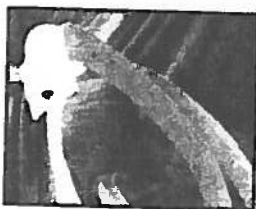
- Constructed from marine grade aluminum 1-1/4" I.D. 6063 T-5 aluminum pipe
- Welded for strength - extruded aluminum channels are serrated to produce a non-skid surface with no sharp edges
- Use as either a dock or seawall ladder

- Standard ladder sizes are 3, 4, 5, 6 and 7 step models - large inventory maintained
- Custom sizes and heavy duty (1-1/2" I.D. aluminum pipe) ladders upon request



Dock Bumpers

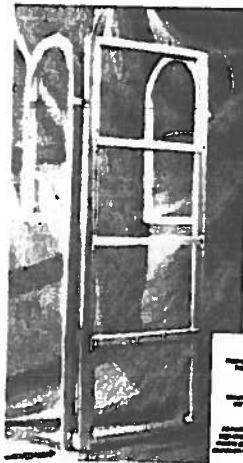
End Bumper



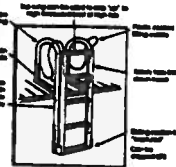
Flush Bumper

- Cost effective bumper for small to medium sized boats
- This fender will not mark or discolor boats
- Standard color is white - also available in other colors
- Easy to install

The Original "Lifting Ladder"

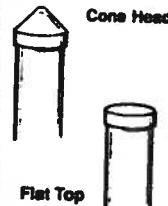
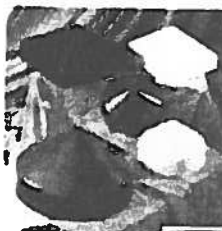


- 250 pound capacity
- Distance from dock to bottom rung - 2' retracted, 5' extended (2' retracted - 7' extended for 7 rung model)
- 6063 marine grade alloy to resist corrosion



- All welded construction
- Interior hand rail spacing - 17"
- Custom lengths available

Piling Caps



- Protects pilings from internal rot
- Black and white polyethylene cone or flat caps in 25 sizes
- Available with square bases for concrete pilings



Also available:

- Copper disks (.021 anneal copper) in sizes 10" to 20" for 6" to 16" pilings

Standard Dockside Electrical Pillars



Typical Line Drawing



SPB-41-4A

European Power Receptacles With Internally Mounted Water Motors



KING FULTON, INC.

Standard features:

- Dimensions: 8" x 8" x 41" (Height)
- Casing: Maximum four receptacles (8 poles)
- Extruded aluminum 6063 with 3/16" wall thickness
- Welded base for extra strength
- All stainless steel fasteners and hinges
- Isolation plate to separate water, telephone and TV from "electrical" (completely waterproof)
- Each receptacle protected by a thermal magnetic circuit breaker
- Marine grade electrical receptacles are available in 20 amp duplex GFI and 20, 30 and 50 amp twist-lock®, 100 amp single and three phase - pin and sleeve
- Electrical distribution block - direct feed - maximum wire size 2Ø
- Plastic three sided lens
- Cone top
- Powder coated white
- 15 year unconditional warranty on structural integrity of casing
- Listed by qualified testing agency

Options:

- Power block - loop feed - maximum wire size 500 MCM cable
- TV/telephone receptacles
- PL-9 fluorescent light and photo cell
- Thermo plastic receptacle covers
- Aluminum covers with receptacle mounted on a 45° down angle
- Electric meters
- Water meters (internally or externally mounted) with locking ball valves
- Hose holders/cable brackets
- European power receptacles
- Flat top
- Natural finish and custom colors available