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## STRUCTURAL DESIGN

## **ENCLOSED BUILDING**

## MAXIMUM 30'- 0" WIDE X 14'- 0" HEIGHT-BOX EAVE FRAME AND BOW FRAME

2 June 2017 Revision 1 M&A Project No. 17062S

**Prepared for:** 

Newmart Builders 1000 Cycle Lane South Hill, VA 23970

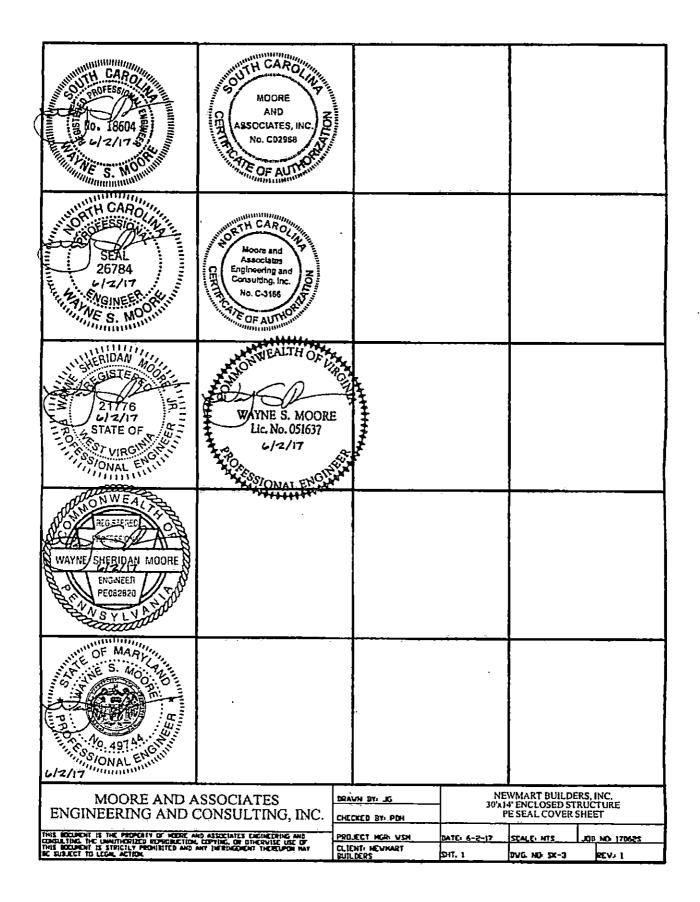
Prepared by:

Moore and Associates Engineering and Consulting, Inc.

1009 East Avenue North Augusta, SC 29841

401 S. Main Street, Suite 200 Mt. Airy, NC 27030

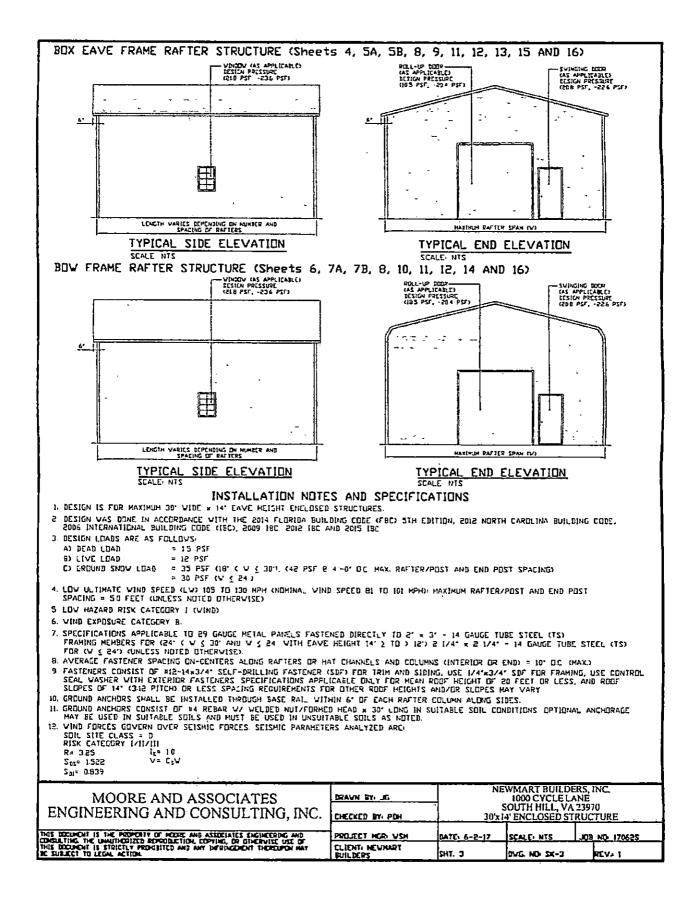
MODRE AND ASSOCIATES ENGINEERING AND CONSULTING

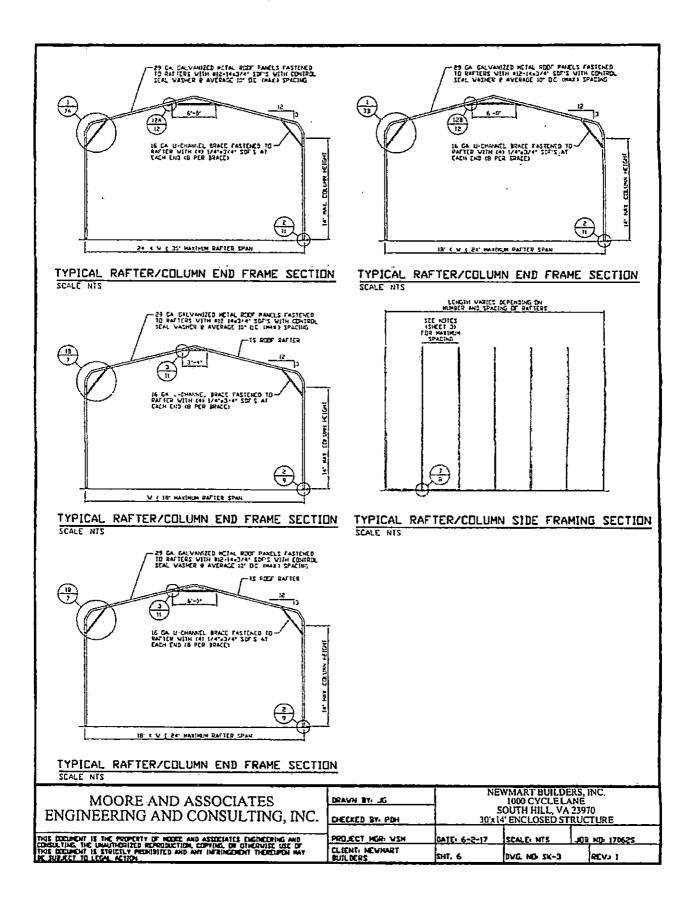


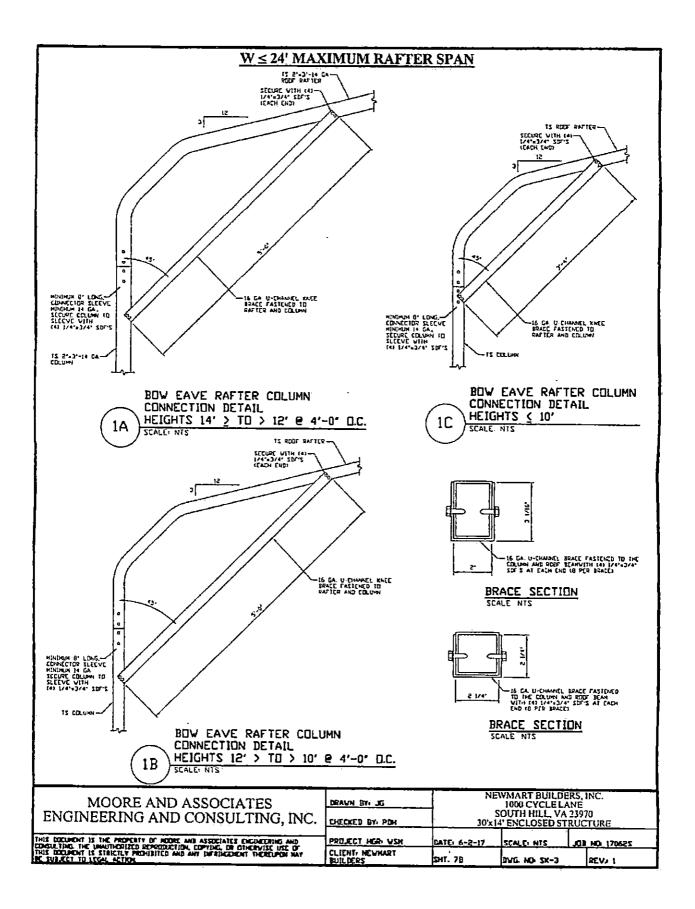
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|--|--|--|---------------------------------------|--|----------------|--|--|
|  | DRAWIN   | NG INDEX   | ,<br>_                                |  |                |  |  |
| SHEET 1<br>SHEET 2                                     | PE SEAL COVER SHEET<br>DRAWING INDEX   |  |                                       |  |                |  |  |
| SHEET 3<br>SHEET 4                                     | INSTALLATION NOTES AND SPEC<br>TYPICAL RAFTER/COLUMN END<br>(BOX EAVE RAFTER)  |  |                                       |  | ) ELEVATIONS   |  |  |
| SHEET 5A   | 24' $\langle W \leq 30' MAXIMUM RAFTER(BDX EAVE RAFTER)$   | R SPAN CONNECTI                                    | ION DETAILS                           |  |                |  |  |
| SHEET 5B   | W 2 24' MAXIMUM RAFTER SPAN<br>(BOX EAVE RAFTER)   | N CONNECTION DE                                    | TAILS                                 |  |                |  |  |
| SHEET 6  | TYPICAL RAFTER/COLUMN END (BOW RAFTER)   | AND SIDE FRAMIN                                    | G SECTIONS                            |  |                |  |  |
| SHEET 7A   | 24' < W <u>&lt;</u> 30' MAXIMUM RAFTER<br>(BDW RAFTER)   | R SPAN CONNECTI                                    | ION DETAILS                           |  |                |  |  |
| SHEET 7B   | W & 24' MAXIMUM RAFTER SPAN<br>(BOW RAFTER)  |  | TAILS                                 |  |                |  |  |
| SHEET 8<br>SHEET 9<br>SHEET 10<br>SHEET 11<br>SHEET 12 | BASE RAIL ANCHORAGE OPTIONS<br>BDX EAVE RAFTER END WALL<br>BOW EAVE RAFTER END WALL<br>BOX AND BOW EAVE RAFTER W                               | AND SIDE WALL I<br>AND SIDE WALL<br>ALL OPENING DE | DPENINGS<br>TAILS                     |  |                |  |  |
| SHEET 13   | BOX AND BOW EAVE RAFTER WALL OPENING DETAILS<br>BOX EAVE RAFTER LEAN-TO OPTION   |  |                                       |  |                |  |  |
| SHEET 14<br>SHEET 15                                   | BOW RAFTER LEAN-TO OPTION<br>BOX EAVE RAFTER VERTICAL F  | ROOF OPTION  |                                       |  |                |  |  |
|  |  |  |                                       |  |                |  |  |
| MOOP   |  | DRAVN BY JG  |                                       | WMART BUILD  |                |  |  |
|  | E AND ASSOCIATES<br>IG AND CONSULTING, INC.  | CHECKED BY: PDH                                    |                                       | I000 CYCLEL<br>SOUTH HILL, VA<br>I <u>4' ENCLOSED ST</u> | 1 23970        |  |  |
| EDHSULTING THE UNAUTHORY<br>THIS DOCUMENT IN STRICTLY  | CRIV OF MODE AND ASSOCIATES ENGINEERING AND<br>TO REPREJULTION, COPYING, DR OTHERVISE LISE OF<br>MEDHIBITED AND MAY DRIVEREDIST THERELINGH MAY | PROJECT HER VSH                                    | DATE: 6-2-17                          | SCALE: NTS   | JOD NO- 170625 |  |  |
| C SUBJECT TO LEGAL ACTIC                               |  | I BUIL DERS  | SHT. 2                                | DVG. KD- SK-3  | REVa L         |  |  |

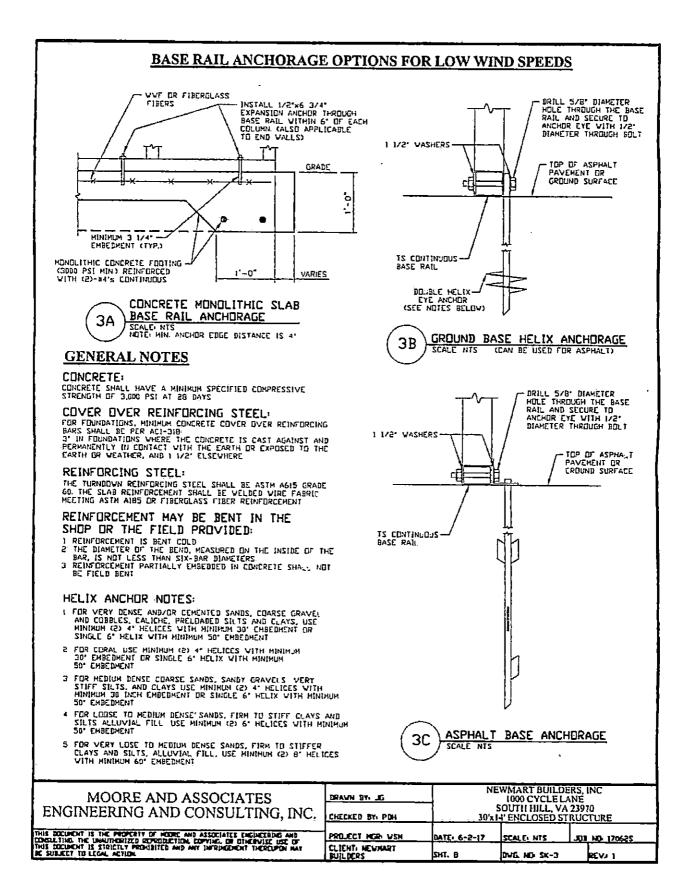
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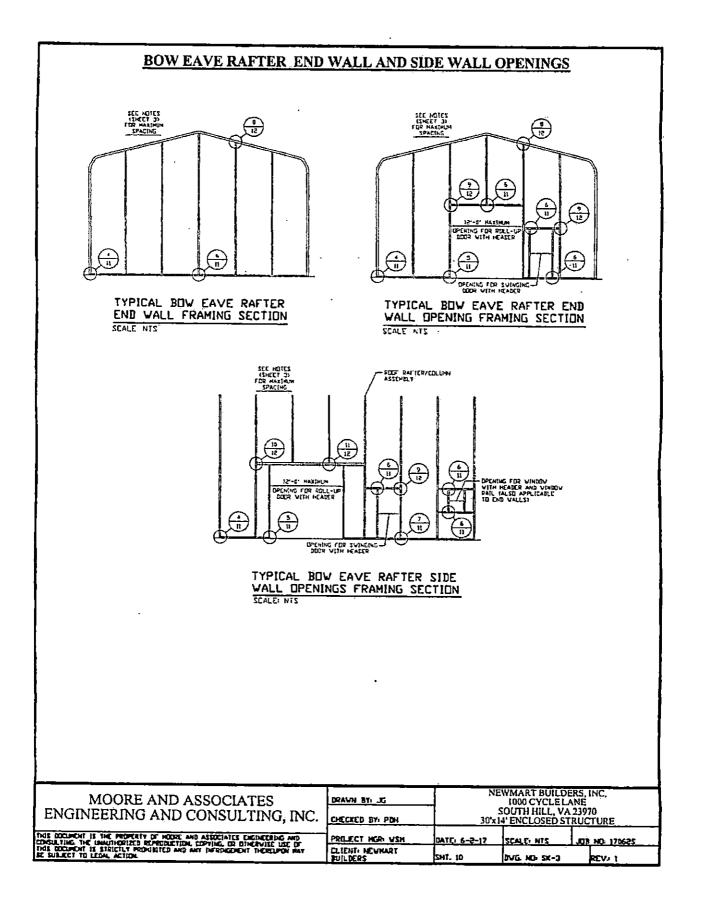
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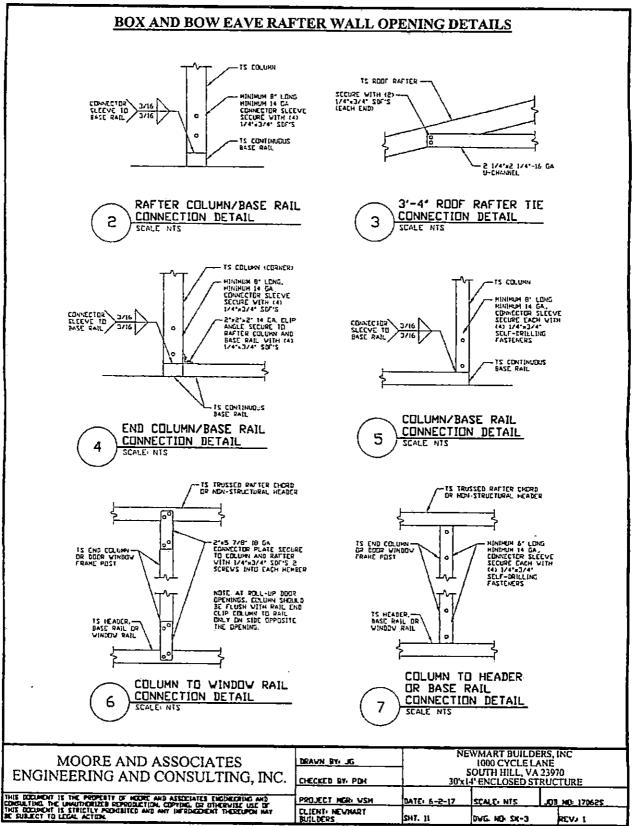












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## Quality Outdoor Products of N.C. LLC. Ph: 910-590-2705 or 910-590-2751 • Fax: 910-260-4881 Email Orders to: clinton.qualityoutdoor@gmail.com

CARPORTS, RV COVERS & GARAGES

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|--|-----------------|-----------------------------|-------------------------------|----------------------|--------------------------------|---|-----------------------|-----------------|--------------|
| ADDRESS    LONG    Dirth Carl    Lift Dirth Dirth Carl    Lift Dirth D   | ALOL            | DEALER                      | Hai NUMJULY_                  | PHON                 | E                              |   |                       |                 | DATE         |
| Dipoles  Color   |                 | SEROM                       | E EASON                       |                      |                                |   |                       |                 |              |
| CITY - LAW Cover    Cover to state    Coverto state    Cover to state    Cover   | ADDRESS         | 1009 6                      | JARREN KD                     |                      | ····                           | NO-   |                       |                 | 339          |
| No.82    Corons. Inorg. Direct.    Interpreters & Ariter ( Perk Carter) ( P  |                 | <u>c KW) N</u><br>911 - 994 | - 4337                        | EV                   |                                |   | CELL                  |                 |              |
| NAME  Status   | 103129 -        | COLOR: ROOF_                | BIAK                          |                      | SIDES/ENDS                     |   | _                     |                 | LACK         |
| 9  i  SIZE  S  |                 |                             |                               |                      |                                |   |                       |                 |              |
| g fi  SIZE  SIZEE  SIZE  SIZE  SIZE  SIZE  SIZE  SIZE  SIZE  SIZE  SIZEE  SIZEE <t< td=""><td></td><td></td><td>CAL 20' \$100.00</td><td>24" \$475.00</td><td>28* \$550.00</td><td>A 32' \$625.00</td><td>36 \$700.00</td><td></td><td>623.00</td></t<>  |                 |                             | CAL 20' \$100.00              | 24" \$475.00         | 28* \$550.00                   | A 32' \$625.00  | 36 \$700.00           |                 | 623.00       |
| g i  SIZE  SIZEE  SIZE  SIZEE  S  | RR              |                             |                               |                      | 18X28_ \$1195                  | 18X32 \$1395  | 🗍 18X36 \$1495        | 18X40 S189      | 2 95.00      |
| 2  SIZE  □ X002.1079  □ 2022.079   | 0 C             |                             |                               |                      |                                | 22X32 \$1995  | 22X3652095            | 22X40\$24       |              |
| RAKE<br>9  BLAKE<br>10000  100000<br>10000  100000<br>10000  1000000<br>10000  1000000<br>10000  1000000<br>10000  10000000  10000000  1000000000000000000000000000000000000   | к <u>е</u><br>Т | SIZE                        |                               |                      | 24X28., \$1995                 | 24X32_ 52195  | 24X36\$2395           |                 |              |
| 1 LEC    1.000 <td< td=""><td></td><td>RAISE</td><td>20' LONG</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   |                 | RAISE                       | 20' LONG                      |                      |                                |   |                       |                 |              |
| 9  11  9'T Channel  57'T  55500  5  |                 | LEG                         | 2                             |                      | \$55.00                        | S60.00  | 570.00                | \$85.00         |              |
| Increase on itri 1  13300  13500  10000  10000  10000  10000  | R I<br>P G      |                             | 7 FT 585.00                   |                      |                                |   |                       | \$265,00        | 0            |
| Indication  1177  135000  135000  135000  135000  135000  135000  135000    Every Les  1177  12500  137100  137000  137100  137100  137000  137100  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000  137000   | R T             |                             | 9 FT 🛄 \$205.00               | 5240.00              | \$263.00                       |   |                       |                 | 330.0        |
| Every Lit  1371  Status  | 1               |                             | 11 FT S350.00                 | 5380.00              | S425.00                        | S460.00   | <b>5530.00</b>        |                 |              |
| 20 <td< td=""><td></td><td>Every Leg</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>   |                 | Every Leg                   |                               |                      |                                |   |                       |                 |              |
| 0    |                 |                             |                               | <u> </u>             |                                | <b>5475.00</b>  | \$550.00              | 5725.00 I       |              |
| String   | сş              | ~ ~~                        | 6 FT 🔲 \$300.00               | <b>5375.0</b> 0      |                                |   |                       | \$825.00        | ~70,0°       |
| S 5  SIDES  371  33300  100000  100000  100000  100000  100000  100000  100000  100000  1000000  1000000  1000000  1000000  1000000  1000000  10000000  10000000  10000000  10000000  10000000  10000000  1000000  | ОD              | BOTH                        | s हा 🔲 \$400.00               | S475.00              | 5550.00                        | <b>5625.00</b>  |                       |                 | -//-         |
| 11FT  550.00   | S E<br>E S      | SIDES                       |                               | <b>5590.00</b>       | 5680.00                        | 5770.00   | \$860.00              |                 | 1            |
| NOTE' SIMPLY DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT DOUBLE THE PRICE TO CLOSE BOTH ENDS AND/OR CABLES    INTERMENT    INTERM  |                 |                             | . 🖃                           |                      |                                | - Hand I - H |                       | <b>51300.00</b> | an arra Ab   |
| CA  STRUE  18 WIDE  20 WILE  21 WIDE  5150    So  CLOSE  6471  33500  55000  50000  550000  550000  5   |                 |                             |                               | N DOUBLE TH          | E PRICE TO CLO                 | SE BOTH ENDS  | AND/OR GABLI          |                 |              |
| Set  Set 1  Sittage  <  | <b>.</b> .      |                             | 12' WIDE                      | 18' WIDE             | 20° WHE                        | 22' WIDE  | 44 WIDE               | · <b>I</b>      |              |
| B  10 PT  555.00  556.00  576.00  571.500    CARGE DOORS  511.500  515.00  510.00  510.00  510.00  510.00    CARGE DOORS  0.1177  515.00  515.00  510.00  510.00  510.00  510.00    CARGE DOORS  0.1177  515.00  515.00  510.00  510.00  510.00  510.00    WILK-IN-DOORS  0.117.510  517.5150  517.5150  510.00  | ιN              |                             |                               | \$420.00             | \$505.00                       | \$\$95.00   | S695.00               |                 | Subtolal     |
| B  10 PT  555.00  556.00  576.00  571.500    CARGE DOORS  511.500  515.00  510.00  510.00  510.00  510.00    CARGE DOORS  0.1177  515.00  515.00  510.00  510.00  510.00  510.00    CARGE DOORS  0.1177  515.00  515.00  510.00  510.00  510.00  510.00    WILK-IN-DOORS  0.117.510  517.5150  517.5150  510.00  | S               |                             |                               |                      |                                | 5740.00   | 5835.00               |                 | 774.00       |
| N I  10171  353300  155500  155500  151500  151500    GARGE DOORS  GARGE DOORS  CARGE DOORS  CARGE DOORS  151500  151500  151000  151500  151000  15000  15000  15000  15000  15000  15000  15000  15000  15000  15000  15000  15000  150000  150000  150000   | A               |                             | 9 FT 🔲 \$505.00               | 5600.00              | <u></u>                        |   |                       |                 | 99000-       |
| S S<br>ITTI STILLES SINCE USE OF SINCE<br>GARAGE DOORS<br>CARAGE DOORS<br>CARAGE DOORS<br>CARAGE DOORS<br>ST - 5350<br>ST - 535<br>ST - 535 | NL              |                             | i FT 🗍 \$635.00               | 5755.00              | 5855.00                        |   |                       |                 | L            |
| CARLES  \$13500  \$13500  \$13500  \$1000000000000000000000000000000000000   |                 |                             |                               |                      |                                |   |                       |                 | Subtotal     |
| GRAGE DOORS  547 - 530  548 - 542  5410 - 540  3410 - 540 <td></td> <td></td> <td>GABLES S130.00</td> <td>GARAGE DOORS</td> <td></td> <td>WALK-IN-</td> <td>DOOR</td> <td></td> <td>Subtotal 450</td>  |                 |                             | GABLES S130.00                | GARAGE DOORS         |                                | WALK-IN-  | DOOR                  |                 | Subtotal 450 |
| WINDOWS  947   | GAR<br>WAL      | AGE DOORS<br>K-IN-DOORS     |                               |                      | 5 🔲 9x10\$4                    | No Thresho  | 1d   Mi               | 1) Facish       |              |
| Delivered and Installed Zone 1: 20% S 1456.00 Following of the contract of the contrac   | V               | VINDOWS                     | 9x7 \$395                     | 10x8 \$45            |                                | No Thresho  |                       | hite Grid       |              |
| Delivered and Installed Zone 1: 20% S /4 5 6 . 60<br>Delivered and Installed Zone 2: 30% S<br>Delivery ONLY: Zone 1 and 2: 10% S<br>Sales Tax % S G//.52<br>TOTAL S 7347.52<br>DEPOSIT (15% of KIT PRICE): S /0 92.03<br>BALANCE DUE ON DELIVERY: 5255.52<br>BALANCE DUE ON DELIVERY: 5255.52<br>PAYABLE TO QOF: S G799.52<br>PAYABLE TO INSTALLER: S /1954.00<br>Minave read the terms and conditions of this contract, I agree to all conditions set forth berein and If 1 should fall to make payment, I understand and agree to allow Quality Outdoor Products, i.e<br>berowers usit (as stated above). I will be liable for any and all fees answers, i.e<br>USTOMER SIGNATURE Date Date /0/25/1% Date Date Date Date /0/25/1% Date /0/25/1% Date /0/25/1% Date /0/25/1% Date /0/25/1%  |                 |                             | Kit Pric                      | es 729               | 80.00                          |   |                       |                 |              |
| Delivered and Installed Zone 2: 30% S  |                 |                             |                               | 3                    | 56.00                          |   | न                     | OR OFFIC        | E USE ONLY   |
| Délivery ONLY: Zone 1 and 2: 10% \$  | Deli            | vered and In                | stalled Zone 1: 20            |                      |                                |   |                       |                 |              |
| Sales Tax  |                 |                             |                               |                      |                                |   |                       | CC              |              |
| TOTAL \$   | Del             | ivery ONLY:                 |                               |                      | 11.52                          |   |                       |                 |              |
| TOTAL S  1092,00    BALANCE DUE ON DELIVERY:  5255,52    BALANCE DUE ON DELIVERY:  5255,52    PAYABLE TO QOP: S  6799,52    PAYABLE TO INSTALLER: S  67197,52    PAYABLE TO INSTALLER: S  9240,000    PUSTOMER SIGNATURE  9240,000    PUSTOMER NAME PRINTER  9270,000   |                 |                             |                               |                      | $\frac{112}{12} = \frac{2}{2}$ | _   |                       | Date            |              |
| DEPOSIT (15% of KIT PRICE): S  |                 |                             | TOTA                          | L\$ <u>75</u>        | <u>4 7.3</u> -                 |   | \ -                   |                 |              |
| BALANCE DUE ON DELIVERY: 525.54<br>PAYABLE TO QOP: 5 6799.52<br>PAYABLE TO INSTALLER: 5 79.1456.00<br>PAYABLE TO INSTALLER: 5 679.1456.00<br>Phave read the terms and conditions of this contract. By signing this contract, I agree to all conditions set forth<br>brein and if 1 should fall to make payment, I understand and agree to allow Quality Outdoor Products, Inc.<br>to reposses unit (as stated above). I will be liable for any and all fees associated with the initial setup and delivery<br>as well as any legal fees incurred by Quality Outdoor Products, Inc.<br>USTOMER SIGNATURE DETORME COSON<br>Date 10/25/18<br>Date 10/25/18<br>Date 10/25/18<br>Date 10/25/18  |                 | DEPOSIT (1                  | 5% of KIT PRICE               | D:§_ <u>/(</u>       | <u>YUIU</u>                    | Ĺ   | N.                    |                 | -            |
| PAYABLE TO QOP: S 67 99.3 2  |                 |                             |                               |                      | 55.52                          |   | ++- 40 T              |                 |              |
| PAYABLE TO INSTALLER: S  |                 |                             |                               |                      | 99.52                          | *   | · M. 🔰                | e" 1 193 1.     | <u> iz</u> , |
| Date   |                 |                             |                               | /                    | 1456                           | 00 *  |                       |                 |              |
| USTOMER SIGNATURE<br>USTOMER NAME PRINTED<br>DEALER SIGNATURE<br>DEALER S  |                 |                             |                               | dillons of this cost | ract. By signing ti            | his contract, I agre  | e to all conditions   | set forth       |              |
| ustomer signature <u>Setome EdSon</u><br>Date <u>10/25/19</u><br>Date <u>10/25/19</u><br>Date <u>10/25/19</u><br>Date <u>10/25/19</u><br>Date <u>10/25/19</u><br>Date <u>10/25/19</u>  |                 | hert                        | and it i should tall to h     | and paying the light | le for ony and all f           | ces associated with   | h the initial setup a | nd delivery     |              |
| ZONE 1 & 2 PRICING • EFFECTIVE 08/01/2017  |                 | 10 Ti<br>25 W               | rell as any legal fees incurr | ed by Quality On     | idear Products, In             | IC.   | <b>u</b> -            | le che          | /            |
| ZONE 1 & 2 PRICING • EFFECTIVE 08/01/2017  |                 | (PD CLONIATI                |                               | Je?                  | 7_1                            | I   | Date [ C ]            | 1 4 1 2         | )            |
| ZONE 1 & 2 PRICING • EFFECTIVE 08/01/2017  |                 |                             | 6150                          | TOMP                 | 7 KS                           | on  |                       |                 |              |
| ZONE 1 & 2 PRICING • EFFECTIVE 08/01/2017  | USTON           | MER NAME P                  | RINTED                        |                      |                                |   | 101                   | 125/1           | 8            |
| ZONE 1 & 2 PRICING • EFFECTIVE 08/01/2017  | DEALE           |                             |                               | [ <del>]</del>       | <u>··</u>                      |   |                       |                 |              |
|  |                 | zo                          | NE 1 & 2 F                    | RICINC               | • EFI                          |   | E 08/01               | /2017           |              |
|  |                 |                             |                               | ISEE                 |                                |   |                       |                 |              |

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