GENERAL INSTALLATION RECOMMENDATIONS

1. INSTALL POSTS

- SPACE POSTS @ MAX 4’ ON CENTER
- USE TWO POST CORNERS WHEN POSSIBLE TO ALLOW CABLE FLOW AROUND CORNERS—MINIMUM 4” ON CENTER FROM EACH SIDE OF CORNER
- SPACE END POSTS 3” FROM STRUCTURES
- 1/4” PRE DRILL RECOMMENDED FOR 3/8” LAG (SOFTWOODS)

****ALWAYS CHECK LOCAL BUILDING CODES FOR COMPLIANCE**

2. INSTALLING TOP RAILINGS

- SECURELY FASTEN TOP RAILS WITH A MINIMUM 4 SCREWS ON STEEL POSTS (WOOD POSTS REQUIRE 4 SCREWS ON ENDS AND CORNERS)
- ALWAYS INSTALL TOP RAILINGS PRIOR TO CABLES; A COMPLETE FRAME IS NECESSARY TO ENSURE STABILITY FOR TENSIONING
- IF NECESSARY, SPLICE TOP RAILS ON TOP OF POSTS ONLY

3. INSTALL POST SLEEVES, IF NECESSARY (WOOD POSTS ONLY)

- CORNER POSTS
- STAIR TRANSITIONS
- ANYWHERE THAT CABLE BENDS ON A POST

4. THREAD CABLES

- UNPACK AND LAY OUT ALL CABLES AT FULL LENGTH
- IF A CABLE BECOMES FRAYED, IT CAN BE SOLVED BY TWISTING THE CABLE BACK TO FORM OR CUTTING THE CABLE JUST BELOW THE FRAY (LENGTHS ARE TYPICALLY 1-2’ LONG AND PERMIT FOR A CUT

- START THREADING CABLES BY INSTALLING THE FACTORY END WITH A WASHER AND HEX NUT ON THE BACK SIDE OF THE END POST
- THREAD ALL CABLES THROUGH ALL RAILING POSTS

5. CUT CABLES TO LENGTH

- ALWAYS USE APPROVED STAINLESS STEEL CABLE CUTTER; CUTTING INSTRUCTIONS VARY FOR DIFFERENT FITTING STYLES
- NEVER MIX HARDWARE FOR DIY AND FACTORY END FITTINGS
- DIY STYLE FITTINGS – **SEE ATTACHED HARDWARE SHEET

6. CONNECT CABLES TO FITTINGS

- AFTER REVIEWING ATTACHMENTS INSERT THE CABLES INTO DIY FITTING
- TUG GENTLY TO ENSURE THE FITTING IS SECURE
- IF THE CABLE IS CUT LONG; YOU CAN USE THE RELEASE TOOL TO REMOVE THE DIY FITTING AND RE-CUT

7. TENSIONING YOUR CABLES

- **DO NOT OVER TENSION CABLES**
- HAND TIGHTEN ALL CABLES TO PULL SLACK FROM CABLE RUNS
- USING PADDED PLIERS OR A SUITABLE SUBSTITUTE, HOLD THE FITTING FIRMLY WHILE TURNING A WRENCH OR SOCKET TO TIGHTEN THE TENSION NUT(S)
- TIGHTEN ALL CABLES IN SEQUENCE STARTING FROM THE CENTER CABLE THEN MOVING UP AND DOWN THROUGH – **SEE TENSIONING DIAGRAM ATTACHED

NOTE:

- WE HAVE PASSED INSPECTIONS WITH INDIVIDUAL CABLE TENSION AT 120-150 LBS. THIS IS SDCR'S RECOMMENDATION, OVER TENSIONING MAY RESULT IN SYSTEM DAMAGE. WE DO NOT RECOMMEND EXCEEDING THESE TENSION LOADS
- TYPICAL INSTPECTION REQUIRES THAT A 4" SPHERE CANNOT PASS THROUGH TENSIONED CABLES. FOR THE SAFETY AN LONGEVITY OF

YOUR SYSTEM, LESS IS MORE. IF YOU DO NOT HAVE AN APPROVED TENSION GAUGE, OR YOU HAVE QUESTIONS ABOUT CABLE TENSION, PLEASE CALL FOR ASSISTANCE

- WE HAVE DESIGNED YOUR ASSEMBLIES WITH FUTURE TENSIONING IN MIND. IT IS NOT RECOMMENDED TO TRY AND ACHIEVE FINISH TENSION DURING THE FIRST TENSIONING SESSION. USE MULTIPLE SESSIONS WITH MINIMAL TENSION AND CHECK AS YOU GO. CONSISTENCY IS KEY WITH CUTTING AND TENSIONING CABLES
- MATERIAL SEATING AND ENVIRONMENTAL CONDITIONS MAY REQUIRE MULTIPLE TENSIONING SESSIONS. IF YOUR CABLE BECOMES SLACKED DUE TO MATERIAL SHRINKAGE OR ENVIRONMENTAL CHANGE; FOLLOW THE ATTACHED TENSIONING INSTRUCTIONS AGAIN

8. CUT OFF EXCESS THREAD ROD

- ON LONGER RUNS YOU MAY HAVE EXCESS THREAD ROD AFTER CABLE TENSIONING; THIS IS NORMAL AND IT WILL NEED TO BE CUT IN ORDER TO INSTAL CAPS OR FINISH NUTS
- USING A HACKSAW OR CUTOFF WHEEL CAREFULLY TRIM EXCESS THREAD ROD 1/4" BEYOND THE TENSION NUT. **USING A DOUBLE NUT AS A GUIDE IS A GOOD WAY TO ENSURE THE PROPER CUT

9. CAP ALL THREAD ROD/FITTINGS

- IT IS RECOMMENDED TO APPLY A TOUCH OF GREASE TO THREADED END FITTINGS
- INSTALL ALL CAP NUTS SNUGGLY AGAINST THE TENSION NUT
- INSTALL ALL DIY CAPS TO CONCEAL EXPOSED CABLE ENDS

SDCR INSTRUCTIONS ARE RECOMMENDATIONS ONLY; ALWAYS CHECK LOCAL BUILDING CODES PRIOR TO INSTALLATION