




DRI # 677 Verizon Tower Height Extension

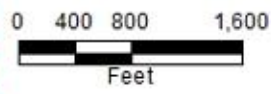
Basemap



Tisbury (pub. 2012)
POLY_TYPE

| | |
|-------------------------------------------------------------------------------------|-------------------|
|  | Road |
|  | Road Right of Way |
|  | Water |

1 inch = 1,250 feet



Disclaimer: This map is for planning purposes only. The data are not adequate for boundary determination or advisory information. The user of this data is not released or held liable for any use of this data by the end user.

Created by Paul W. Foley, GISP
Date: 10/20/2012
Project: DRI # 677
Data Source:
Coordinate System: StatePlane, Mass Mainland, NAD83, meters

DRI # 677 Verizon Tower Height Extension

Trails, Wells DCPC's



RWADER_PT_WINDUWPa_000

Trails
Special Designation

- Trail - Existing
- Trail - Planned
- Under Way
- Special Way
- Under and Special Way
- Connector Road
- Seamless
- River Trail

Tisbury (pub. 2012)
POLY_TYPE

- Road
- Road Right of Way
- Water

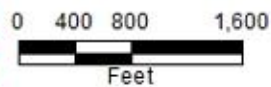
Tisbury Overlay Zoning
DESCRIBE

- Coastal District
- Road Rain District (Final 6/2010)
- Road Storm District
- Greenhouse Protection District
- Island Roads District - Major Roads Zone
- Lagoon Pond District
- Winged Haven Water District
- Winged Scenic North Shore District

Tisbury Coastal District
ORIGNAME

- Shore Zone
- Ward Zone

1 inch = 1,250 feet



Disclaimer: This map is for planning purposes only. The data are not adequate for boundary determination or regulatory interpretation. The user of this map agrees to hold the provider harmless for any and all errors or omissions. The user of this map agrees to hold the provider harmless for any and all errors or omissions.

Created by Paul W. Foley, GISP
Date: 11/15/2012
File: DRI_677_Verizon_Tower_Height_Extension.dwg
Data Source:
Coordinate System: StatePlane, Mass National, NAD83, Meter

DRI # 677 Verizon Tower Height Extension

Applicant: Verizon New England Inc; Geoghan Coogan Esq. (Agent).

Project Location: 228 Edgartown Road , Tisbury, Map 14-A Lot 3 (4.12 acres)

Proposal: To increase the height of the Verizon Tower used to transmit landline calls and Internet access via narrow width microwave between Vineyard Haven and Falmouth (also handles Nantucket) from 77 feet above the ground level to 130 feet \pm above ground.

Zoning: R-20 Residential

Local Permits: Special Permit from ZBA; Building Permit

DRI # 677 Verizon Tower Height Extension

Project Summary:

- To increase the height of the Verizon Tower used to transmit landline calls and Internet access via narrow width microwave between Vineyard Haven and Falmouth (also handles Nantucket) from 77 feet above the ground level to 130 feet ± above ground.
- The additional height will be constructed above the existing tower.
- The calls transmitted include police, fire department, EMS, E911 calls.
- One new piece of equipment, an 8' dish, will be installed on the tower at elevation 125'.
- The following existing equipment on the tower will be relocated to a different height:
 - A 6' diameter dish at elevation 55' above ground will be re-installed at elevation 95';
 - A 6' diameter dish at elevation 65' above ground will be re-installed at elevation 102';
 - An 8' diameter dish at elevation 75' above ground will be re-installed at elevation of 128'.
- Applicant says that a number of trees in the Vineyard Haven area are approaching the height at which they will obstruct this transmission. Some of these trees are on private property and others are on public property and have been classified by the Town Tree Warden as shade trees which would require a public hearing to determine if they can be trimmed or removed.
- Verizon anticipates that these trees and others will grow and cause service interruptions
- Verizon's stated goal is to get as close to 100% annual two-way reliability as possible.

Planning Issues

- **Visibility:** Existing and proposed photo simulations indicate that the higher tower will be more visible along Edgartown-Vineyard Haven Road.
- **DCPC:** The existing tower is within the Island Roads DCPC. If the tower were moved further back on the property outside of the DCPC the taller tower would be less visible while driving along Edgartown – Vineyard Haven Road.

NOTE: The applicant is proposing to extend the height of an existing tower not build a new taller tower.

DRI # 677 Verizon Tower Height Extension

Trails, Wells DCPC's



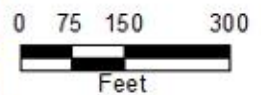
RWDEP_FT_WindowWPa_000
Trails
 Special Designation
 Trail - Existing
 Trail - Planned
 Under Way
 Special Way
 Underland Special Way
 Connector Road
 Seawall
 Fire Trail

Tisbury (pub. 2012)
 POLY_TYPE
 Parcel
 Road Right of Way
 Water

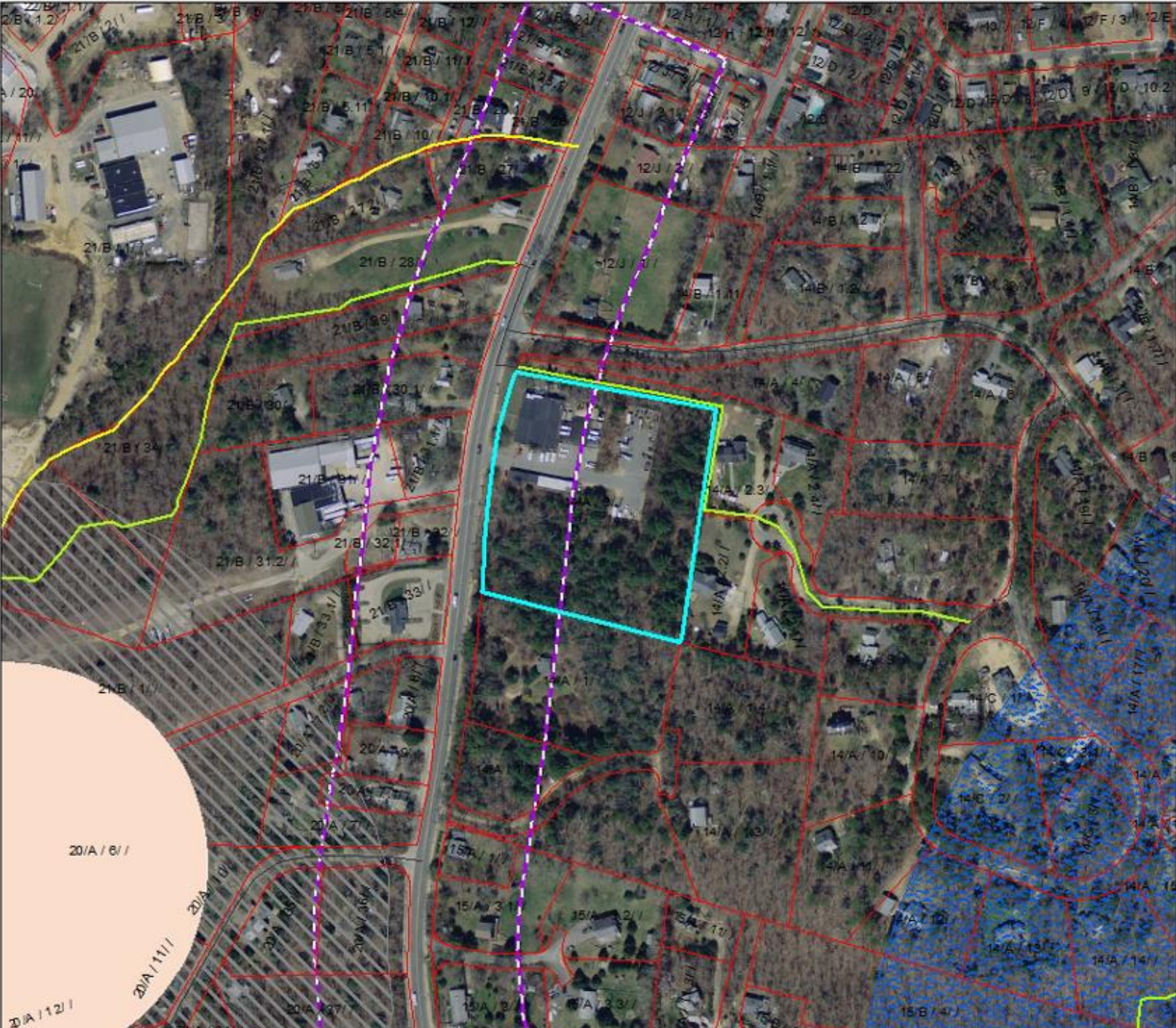
Tisbury Overlay Zoning
 DESCRIBE
 Coastal District
 Road Rain District (Final RRMD 2010)
 Road Storm District
 Green Shrub Protection District
 Island Roads District - Major Roads Zone
 Lagoon Pond District
 Wetland Haven Marsh or Deltas
 Wetland Scenic North Shore District

Tisbury Coastal District
 ORIGINAME
 Shore Zone
 Wetland Zone

1 inch = 250 feet



Disclaimer: This map is for planning purposes only. The data are not adequate for boundary determination or regulatory interpretation. The user of this map is responsible for how these data are used or interpreted by the end user.
 Created by Paul W. Foley GISP
 Date: 11/06/2012
 File: DRI # 677 Map_11/06/2012
 Data Source:
 Coordinate System: StatePlane, Mass National, NAD83, Nears



DRI # 677 Verizon Tower Height Extension

Trails, Wells DCPC's



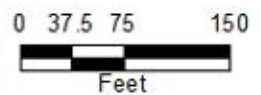
RWADER_PT_WINDUWPa_000
Trails
Special Designation
 Trail - Existing
 Trail - Planned
 Under Way
 Special Way
 Underland Special Way
 Connector Road
 Seawall
 Fire Trail

Tisbury (pub. 2012)
POLY_TYPE
 Parcel
 Road Right of Way
 Water

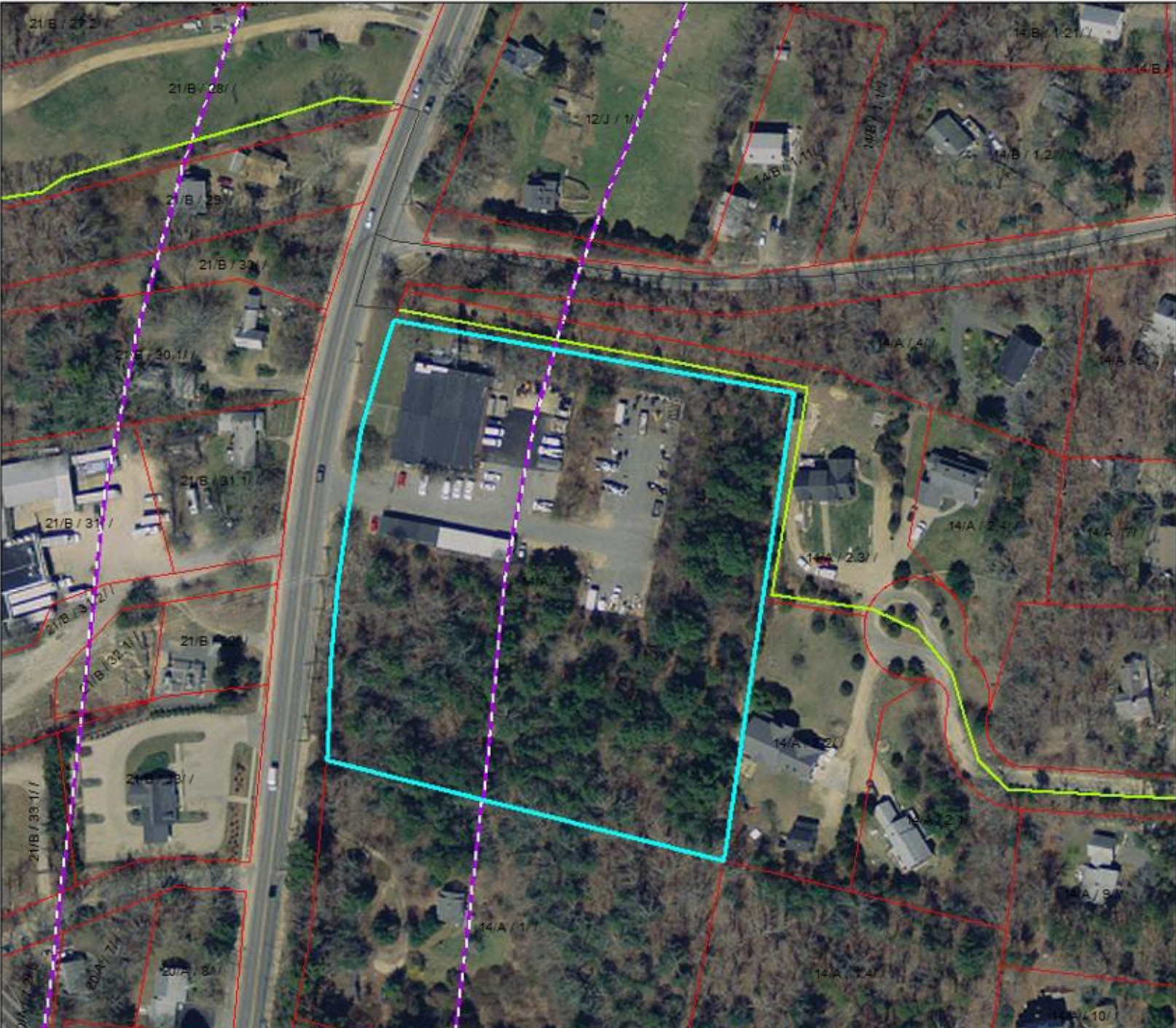
Tisbury Overlay Zoning
DESCRIBE
 Coastal District
 Road Rain District (Final RRMD 2010)
 Road Storm District
 Green Shrub Protection District
 Island Roads District - Major Roads Zone
 Lagoon Pond District
 Mineral Haven Water District
 Wetland Scenic North Shore District

Tisbury Coastal District
ORIGNAME
 Shore Zone
 Wetland Zone

1 inch = 125 feet



Disclaimer: This map is for planning purposes only. The
 data are not adequate for boundary determination or
 regulatory interpretation. The user of this map
 agrees to hold the provider harmless for any use
 not intended by the provider.
 Created by Paul W. Foley GISP
 Date: 10/20/2012
 File: DRI_677_Plan_10_20_12.dwg
 Data sources:
 Coordinate System: StatePlane, Mass Mainland, NAD83, meters



PROPOSED TOWER
138' FALL ZONE

PROPOSED VERIZON
TO EXTEND EXISTING
TOWER FROM 77' HIGH
TO 130' HIGH

WINYAH LANE



N 08 39' 20" E
169.68'

ARC 248.70° RAD 4417.00'

28.05°
452.57' S

U/P

U/P

80' ±
(C) SHED

27' ±

(C) 77' HIGH
LATTICE TOWER

(C) HVAC UNITS

S 76°40'34" E
400.00'

(C) WALKS

(C) CONC. SLAB

(C) 1 STORY
BUILDING

(C) SHEDS

(C) CONC.
COVERS

(C) FENCE

(C) 1 STORY
BUILDING

(C) PAVED
AREA

(C) PAVED
AREA

(C) TREES

(C) HVAC
UNIT

(C) CONC.
RET. WALL

(C) 1 STORY
BUILDING

(C) CONC. BLOCK
STRUCTURE

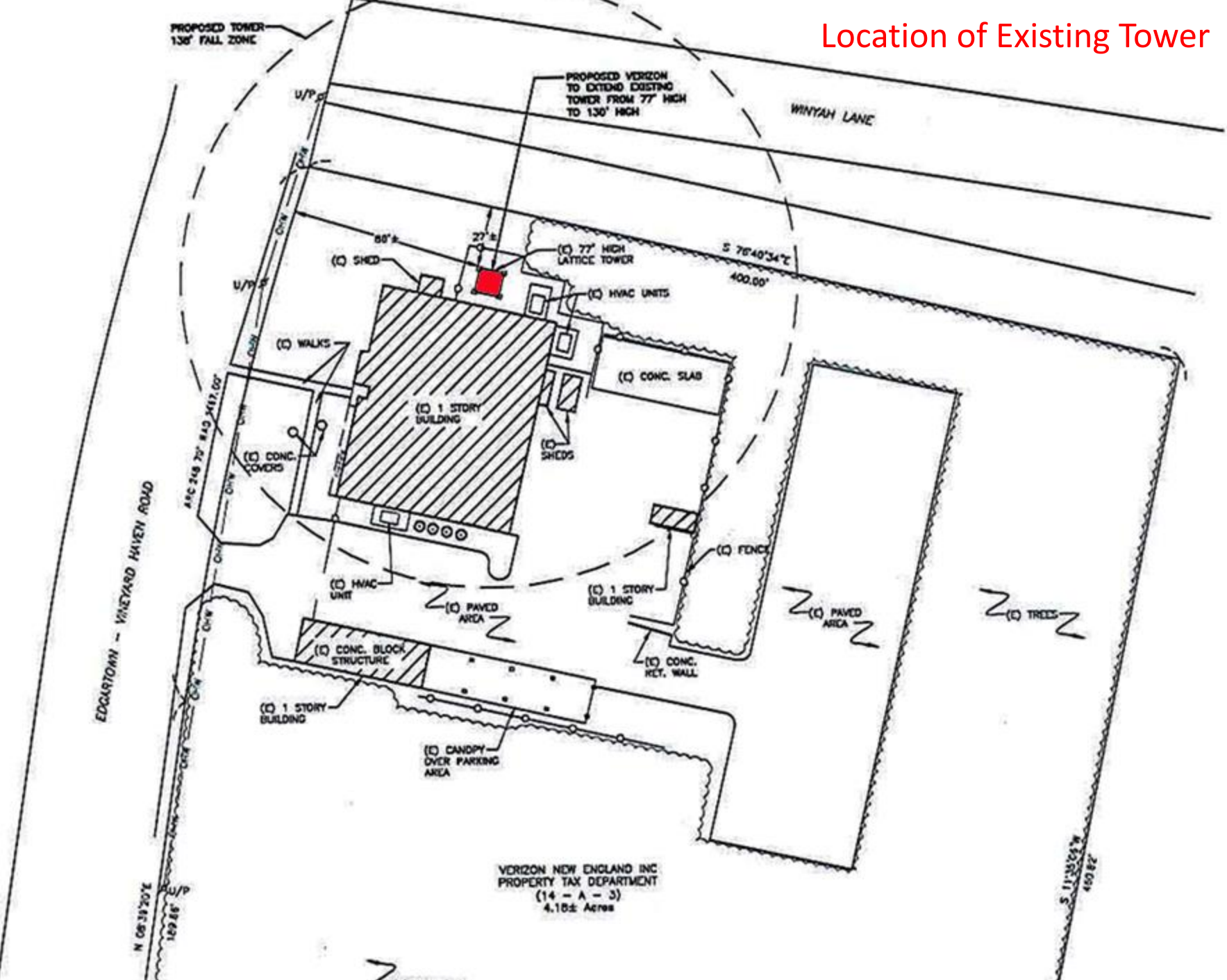
(C) CANOPY
OVER PARKING
AREA

VERIZON NEW ENGLAND INC
PROPERTY TAX DEPARTMENT
(14 - A - 3)
4.18 ± Acres

(C) TREES

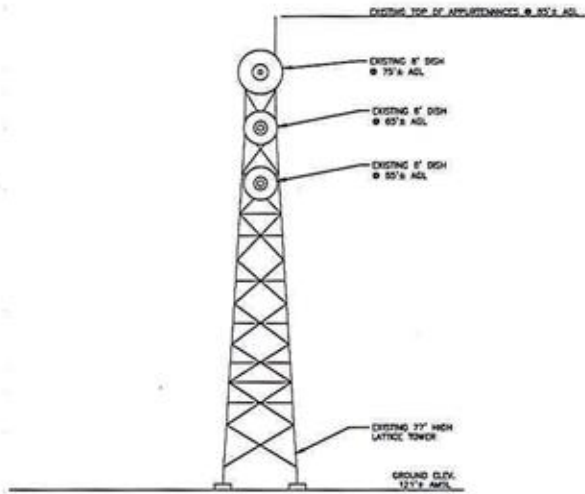
EDGARTOWN - VINEYARD HAVEN ROAD

Location of Existing Tower

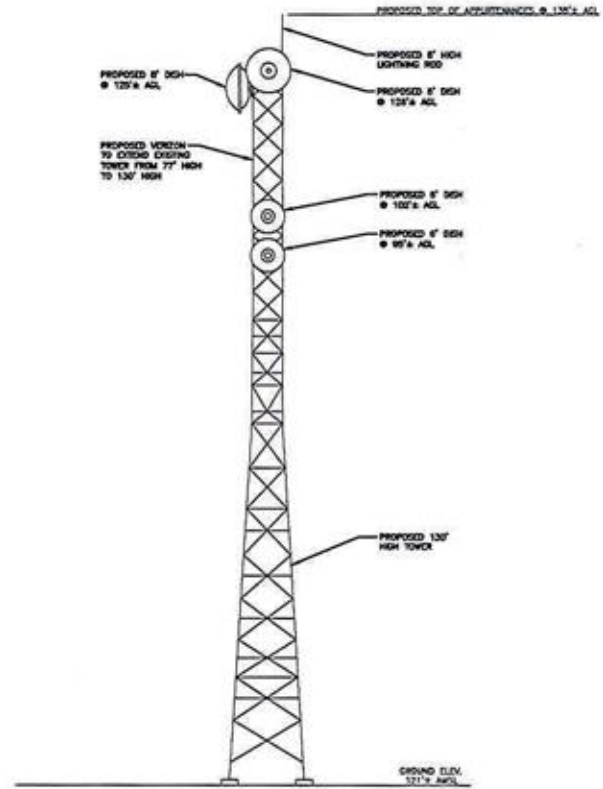
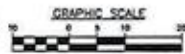


VERIZON NEW ENGLAND INC.
PROPERTY TAX DEPARTMENT
(14 - A - 3)
4.10± Acres

Existing versus Proposed Tower Height



1 EXISTING TOWER ELEVATION
SCALE 1" = 10'



2 PROPOSED TOWER ELEVATION
SCALE 1" = 10'



70 HIGH STREET
WAREHAM, MASSACHUSETTS 02571

SITE:

MARTHA'S VINEYARD

AEC FIRM
TURNING MILL CONSULTANTS, INC.
DEVELOPER, ENGINEERS AND
CONSTRUCTION MANAGERS
10 TURNER ROAD, SUITE 3
PO BOX 1104 SANDWICH MA 02563
TEL: 508-888-6300 • FAX: 508-888-6303
www.turningmillconsultants.com

SITE ADDRESS:

228 EDGARTOWN ROAD
TISBURY, MA 02568

SUBMITTALS

| | | |
|---|----------|---------------------|
| C | 04/27/17 | REV. MW DSH |
| B | 03/13/17 | REV. EX. THRL. C/Ls |
| A | 11/14/16 | ISSUED FOR REVIEW |

PROFESSIONAL STAMP

DRAWN BY: SRS

CHECKED BY: MFJ

SHEET TITLE:

EXISTING/PROPOSED
TOWER ELEVATION

SHEET NUMBER:

Z-2



PROJECT SUMMARY

APPLICANT/LESSEE:

VERIZON

CONTRACTORS:

CONSTRUCTION:
TBD.

CONSULTANTS:

STRUCTURAL COMPONENTS, LLC
1-866-386-7622

FOR ENGINEERING QUESTIONS CONTACT: WESLEY CULVER
FOR CONSTRUCTION AND FIELD SERVICES QUESTIONS CONTACT: RYAN HUBERT
FOR MATERIAL QUOTES AND FABRICATION QUESTIONS CONTACT: SCOTT STEKR

TOWER OWNER:

TURNING MILL CONSULTANTS, INC.
68 TUPPER ROAD, UNIT 3
PO BOX 1159
SANDWICH, MA 02563
CONTACT: MICHAEL JOYCE
508-888-4383

SHEET INDEX

ARCHITECTURAL:

T-1 TITLE SHEET
GN-1 GENERAL CONSTRUCTION NOTES
GN-2 SPECIAL INSPECTIONS

STRUCTURAL:

BOM-1 BILL OF MATERIALS
BOM-2 BILL OF MATERIALS (CONT'D)
S-1 SPECIFICATIONS

DETAILS:

D-1 CONSTRUCTION SEQUENCE
D-2 REINFORCEMENT DETAILS
D-3 REINFORCEMENT DETAILS (CONT'D)
D-4 REINFORCEMENT DETAILS (CONT'D)
D-5 REINFORCEMENT DETAILS (CONT'D)
D-6 REINFORCEMENT DETAILS (CONT'D)
D-7 REINFORCEMENT DETAILS (CONT'D)
D-8 REINFORCEMENT DETAILS (CONT'D)
D-9 REINFORCEMENT DETAILS (CONT'D)
D-10 TOWER EXTENSION DETAILS
D-11 TOWER EXTENSION DETAILS (CONT'D)
D-12 REINFORCEMENT DETAILS (CONT'D)
D-13 REINFORCEMENT OBSTRUCTIONS
D-14 REINFORCEMENT OBSTRUCTIONS (CONT'D)
D-15 ANGLE-X SAFETY CLIMB DETAILS
D-16 TOWER EXTENSION SAFETY CLIMB DETAILS

PRELIMINARY DRAWINGS FOR VINEYARD HAVEN, MA



SITE NAME:
VINEYARD HAVEN

SITE NUMBER:
ASR - 1006321

SITE ADDRESS:
228 EDGARTOWN ROAD
VINEYARD HAVEN, MA 02568



Structural Components
Bringing It All Together

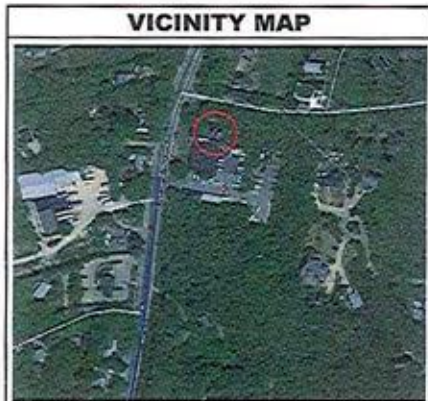
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

STAMP:
**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | |
|------------|----------|----------------------|----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 11-11-18 | PRELIMINARY DRAWINGS | WV |

| | |
|------------------------------------------------|----------|
| 228 EDGARTOWN ROAD VINEYARD HAVEN, MA 02568 | |
| S.S.T. REINFORCEMENT | |
| TITLE SHEET | |
| T-1 | 0 |



| APPROVALS | | |
|-----------------------------|-----------|------|
| DISCIPLINE | SIGNATURE | DATE |
| PRE CONSTRUCTION INSPECTION | | |
| ZONING/ PERMITTING | | |
| CONSTRUCTION (AS-BUILT) | | |
| LESSEE | | |

| PROJECT SUMMARY |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICANT/LESSEE: VERIZON |
| CONTRACTORS: CONSTRUCTION: TED. |
| CONSULTANTS: STRUCTURAL COMPONENTS, LLC 1-866-386-7622 FOR ENGINEERING QUESTIONS CONTACT: WESLEY OLIVER FOR CONSTRUCTION AND FIELD SERVICES QUESTIONS CONTACT: RYAN HUBERT FOR MATERIAL QUOTES AND FABRICATION QUESTIONS CONTACT: SCOTT STUK |
| TOWER OWNER: TURNING MILL CONSULTANTS, INC. 68 TUPPER ROAD, UNIT 3 PO BOX 1159 SANDWICH, MA 02563 CONTACT: MICHAEL JOYCE 506-688-4383 |

| SHEET INDEX | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARCHITECTURAL: | T-1 TITLE SHEET GN-1 GENERAL CONSTRUCTION NOTES GN-2 SPECIAL INSPECTIONS |
| STRUCTURAL: | BOM-1 BILL OF MATERIALS BOM-2 BILL OF MATERIALS (CONTD) S-1 SPECIFICATIONS |
| DETAILS: | D-1 CONSTRUCTION SEQUENCE D-2 REINFORCEMENT DETAILS (CONTD) D-3 REINFORCEMENT DETAILS (CONTD) D-4 REINFORCEMENT DETAILS (CONTD) D-5 REINFORCEMENT DETAILS (CONTD) D-6 REINFORCEMENT DETAILS (CONTD) D-7 REINFORCEMENT DETAILS (CONTD) D-8 REINFORCEMENT DETAILS (CONTD) D-9 REINFORCEMENT DETAILS (CONTD) D-10 TOWER EXTENSION DETAILS D-11 TOWER EXTENSION DETAILS (CONTD) D-12 REINFORCEMENT DETAILS (CONTD) D-13 REINFORCEMENT OBSTRUCTIONS D-14 REINFORCEMENT OBSTRUCTIONS (CONTD) D-15 ANGLE-X SAFETY CLIMB DETAILS D-16 TOWER EXTENSION SAFETY CLIMB DETAILS |

DRIVING DIRECTIONS

DEPARTING MARTIN'S VINEYARD AIRPORT HEAD SOUTH ON AIRPORT RD. TURN LEFT ONTO EDGARTOWN RD. TURN LEFT ONTO BARRING RD. AT THE TRAFFIC CIRCLE TAKE THE 2ND EXIT ONTO EDGARTOWN RD (EDGARTOWN VINEYARD HAVEN RD. TURN RIGHT INTO THE VERIZON COMPOUND. TOTAL DISTANCE 5 MILES, 18 MINUTES.

NOTE: A VERIZON REPRESENTATIVE IS REQUIRED TO BE ON SITE FOR ACCESS.

CODE COMPLIANCE

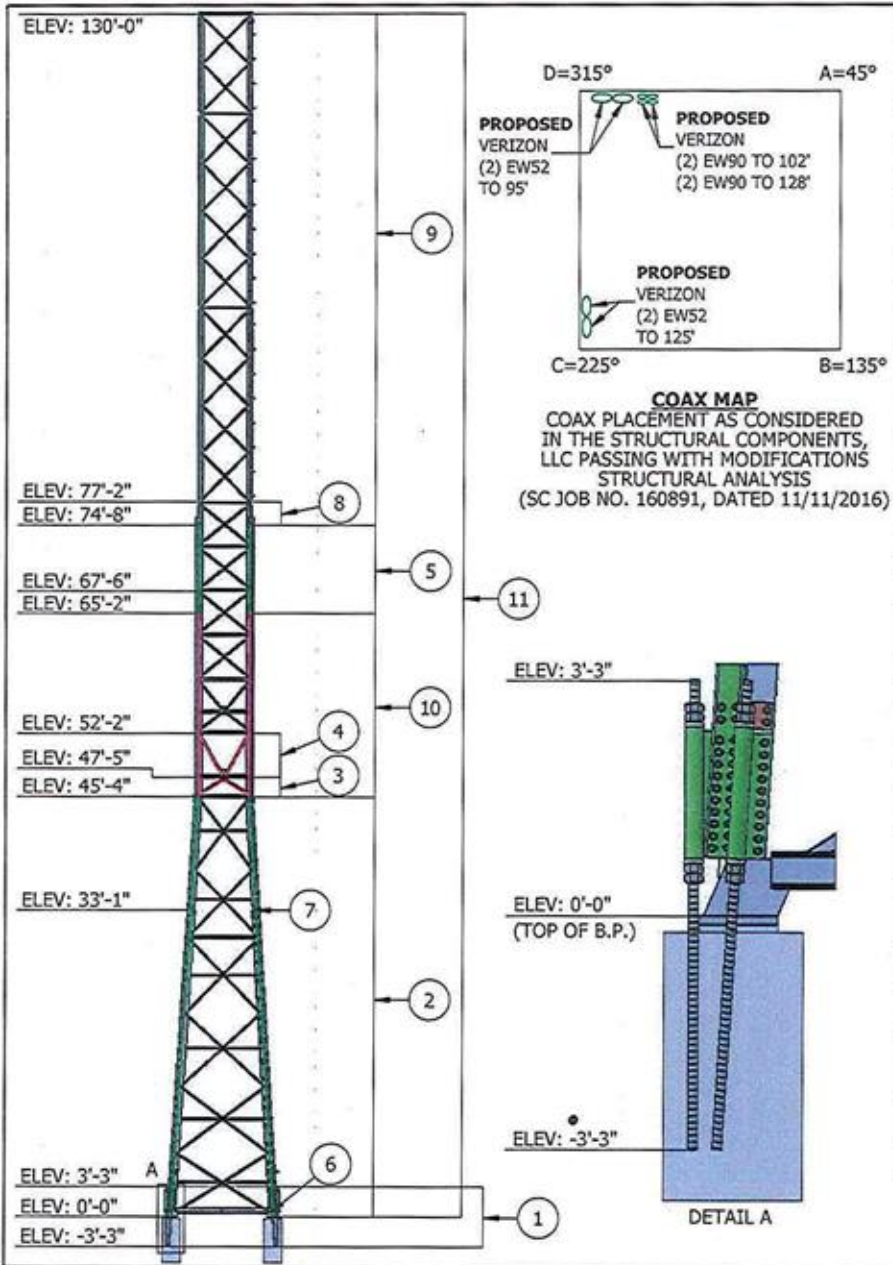
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF ALL GOVERNING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES, NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

SITE INFORMATION

LATITUDE: 41.4450°N
LONGITUDE: 70.6084°W

JURISDICTION

DUKES COUNTY, MA



| TOWER SPECIFICATIONS | |
|----------------------|---------------------------------------------------|
| MANUFACTURER | UNKNOWN |
| HEIGHT / TOWER TYPE | 77'-2" TOWER EXTENDED TO 130'-0" / (4) LEG S.S.T. |

| CURRENT STRUCTURAL ANALYSIS | |
|-----------------------------|-------------------------------------------|
| COMPANY | STRUCTURAL COMPONENTS, LLC |
| AUTHOR / FILE # / DATE | WESLEY CULVER, P.E. / 160891 / 11-11-2016 |

| DESIGN SPECIFICATIONS | |
|---------------------------------|------------------------------------------------------------|
| CODE | TIA-222-G (IBC 2009) DUKES COUNTY, MA MA AMENDMENTS TO IBC |
| WIND SPEED (BARE) | 120 MPH 3-SECOND GUST |
| WIND SPEED (ICED) | 40 MPH 3-SECOND GUST |
| ICE THICKNESS | 3/4" RADIAL |
| SERVICEABILITY BASIC WIND SPEED | 60 MPH 3-SECOND GUST |
| EXPOSURE CATEGORY | C |
| TOPOGRAPHIC CATEGORY | 1 |
| STRUCTURE CLASS | II |
| SEISMIC SITE CLASS | D, $S_s=0.179$, $S_1=0.051$ |
| SEISMIC DESIGN CATEGORY | B |

| TOWER MODIFICATION SCHEDULE | | | | |
|-----------------------------|-----------------------------------------------------------------------|-----------|-----------|----------------------------------|
| ITEM | DESCRIPTION | ELEVATION | | DWG. NO. |
| | | BOTTOM | TOP | |
| 1 | INSTALL ANGLE-X ANCHOR RODS. | -3' - 3" | 3' - 3" | D-2 & D-3 |
| 2 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 0' - 0" | 45' - 4" | D-1, D-2, D-4, D-5, D-13, & D-14 |
| 3 | SWAP OUT THE EXISTING DIAGONALS WITH NEW 2x2x3/8" DIAGONALS. | 45' - 4" | 47' - 5" | D-1 & D-6 |
| 4 | SWAP OUT THE EXISTING DIAGONALS WITH NEW 2-1/2x2-1/2x5/16" DIAGONALS. | 47' - 5" | 52' - 2" | D-1 & D-6 |
| 5 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 65' - 2" | 74' - 8" | D-1, D-7, D-13, & D-14 |
| 6 | REPLACE THE LEG SPLICE BOLTS AT THE BASE WITH NEW 5/8" A490 BOLTS. | 0' - 0" | 0' - 0" | D-1 & D-8 |
| 7 | REPLACE THE LEG SPLICE BOLTS AT 33' - 1" WITH NEW 5/8" A325 BOLTS. | 33' - 1" | 33' - 1" | D-1 & D-8 |
| 8 | FIELD CUT THE LEGS AT THE TOP OF THE TOWER. | 74' - 8" | 77' - 2" | D-1 & D-9 |
| 9 | INSTALL THE TOWER EXTENSION. | 74' - 8" | 130' - 0" | D-1, D-10, D-11, D-13, & D-14 |
| 10 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 45' - 4" | 65' - 2" | D-1, D-12, D-13, & D-14 |
| 11 | INSTALL THE SAFETY CLIMB SYSTEM. | 0' - 0" | 130' - 0" | D-15 & D-16 |

SEE STRUCTURAL COMPONENTS, LLC PASSING WITH MODIFICATIONS STRUCTURAL ANALYSIS (SC JOB NO. 160891, DATED 11/11/2016) FOR TOWER LOADING DETAILS AND ANALYSIS ASSUMPTIONS.



PRELIMINARY, NOT FOR CONSTRUCTION

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|----------------------|----|-----|-----|
| 0 | 11/11/16 | PRELIMINARY COURTESY | | | |


326 EDGARTOWN ROAD
VINEYARD HAVEN, MA 02568

S.S.T. REINFORCEMENT

SPECIFICATIONS

S-1 0

CONSTRUCTION SEQUENCE

- 
3. AFTER THE TOWER EXTENSION HAS BEEN INSTALLED THE DISHES THAT WERE REMOVED WILL BE INSTALLED ON THE EXTENSION AT THEIR PROPOSED ELEVATIONS.
 5. ONCE ALL OF THE REINFORCEMENT HAS BEEN INSTALLED ON THE TOWER THE TWO DISHES THAT WERE REMOVED FROM THE RING MOUNTS MAY BE MOUNTED ON THE TOWER EXTENSION AT THEIR PROPOSED ELEVATIONS.
 2. THE TWO UPPER DISHES WILL HAVE TO BE TEMPORARILY REMOVED SO THE ANGLE-X REINFORCEMENT MAY BE INSTALLED.
 4. ONCE ALL THE TOWER REINFORCEMENT (EXCEPT FOR THE ANGLE-X REINFORCEMENT FROM 45'-4" TO 65'-2") AND THE TOWER EXTENSION HAS BEEN INSTALLED THESE TWO DISHES AND RING MOUNTS ARE TO BE REMOVED SO THE ANGLE-X MAY BE INSTALLED FROM 45'-4" TO 65'-2".
 1. THE TWO DISHES ON THE RING MOUNTS WILL BE LEFT AS IS AND REMAIN ACTIVE UNTIL AFTER THE TOWER EXTENSION HAS BEEN INSTALLED.

NOTES:

1. FOLLOW THE ORDER INSTALLATION ON THE S-1 SHEET.
2. ALL DISH RELOCATIONS ARE TO BE PERFORMED IN UNDER 6 WEEKS. IF ANY HURRICANES OR OTHER EXTREME WIND EVENTS ARE FORECASTED DISHES WILL NEED TO BE MOVED BACK TO THEIR ORIGINAL LOCATIONS.
3. FINAL DISH MOUNT DETAILS TO BE DETERMINED AT A LATER DATE.

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

Structural Components
 Bringing It All Together
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

STAMP:

**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | |
|------------|------|-------------|----|
| NO. | DATE | DESCRIPTION | BY |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

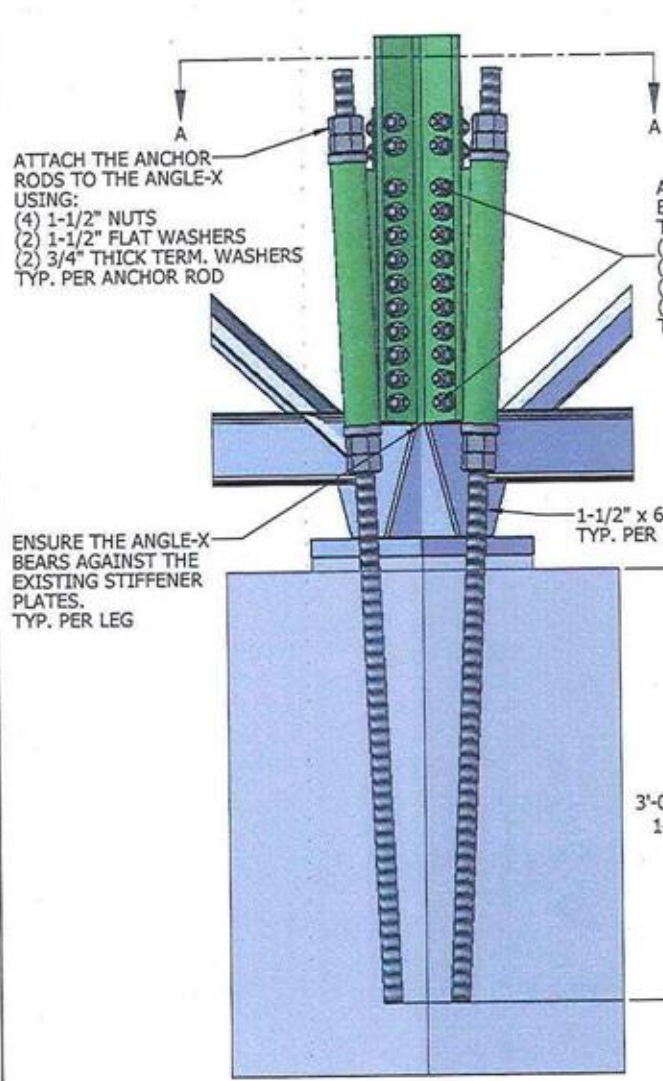
328 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02566

**S.S.T.
 REINFORCEMENT**

**CONSTRUCTION
 SEQUENCE**

D-1 0

ANGLE-X REINFORCEMENT BASE DETAILS



NOTE: COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.

ATTACH THE ANGLE-X BASE TERM. WELDMENTS TO THE ANGLE-X USING:
 (10) 3/4" x 2-1/2" A325 BOLTS
 (10) 3/4" FLAT WASHERS
 (10) 3/4" LOCK WASHERS
 (10) 3/4" NUTS
 TYP. PER LOCATION

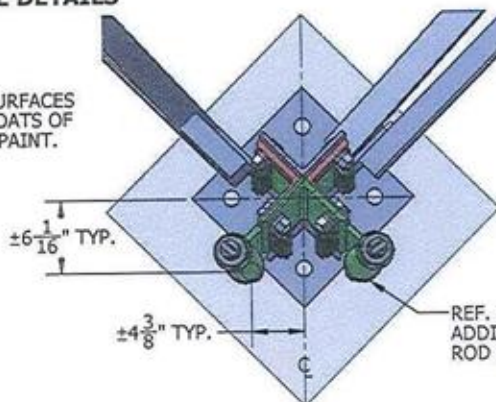
CP-02351-01
 5x5x1/2" ANGLE-X_BASE
 TYP. PER LEG

ATTACH THE ANGLE-X ATTACHMENT CLIPS TO THE ANGLE-X USING:
 (2) 3/4"x2-1/2" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. THROUGHOUT THE ANGLE-X REINFORCEMENT

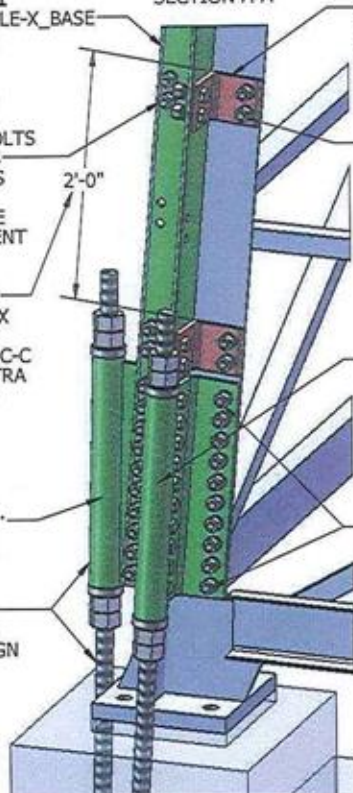
ENSURE THERE IS A 2' MAX. C-C SPACING BETWEEN THE ANGLE-X ATTACHMENT CLIPS. THE BOLT SPACING HAS BEEN SET AT A 1' C-C TO AVOID OBSTRUCTIONS. EXTRA ATTACHMENT CLIPS HAVE ALSO BEEN PROVIDED.

CW-00849-01
 ANGLE-X BASE TERM. WELDMENT_LEFT
 TYP. PER LOCATION

USE THE ANGLE-X REINFORCEMENT AS A TEMPLATE TO ALIGN THE ANCHOR ROD HOLES.



SECTION A-A



CP-02351-09
 5x5x1/2" ANGLE-X ATTACHMENT CLIP
 TYP. ANGLE-X ATTACHMENT CLIP FOR 5"x5" TOWER LEGS

ATTACH THE ANGLE-X ATTACHMENT CLIPS TO THE TOWER LEG USING:
 (2) 3/4"x2-1/4" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. THROUGHOUT THE ANGLE-X REINFORCEMENT

CW-00849-02
 ANGLE-X BASE TERM. WELDMENT_RIGHT
 TYP. PER LOCATION

ATTACH THE ANGLE-X BASE TERM. WELDMENTS TO THE TOWER LEG USING:
 (10) 3/4" x 2-1/4" A325 BOLTS
 (10) 3/4" FLAT WASHERS
 (10) 3/4" LOCK WASHERS
 (10) 3/4" NUTS
 TYP. PER LOCATION

TURNING MILL CONSULTANTS, INC.
 REGISTERED ENGINEER
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

Structural Components
 Design & Fabrication
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

STAMP:
PRELIMINARY, NOT FOR CONSTRUCTION

The information contained in this set of documents is proprietary by nature, and use or disclosure other than that which relates to the client named is strictly prohibited.

| REV | DATE | DESCRIPTION | BY | CHKD |
|-----|------|-------------|----|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

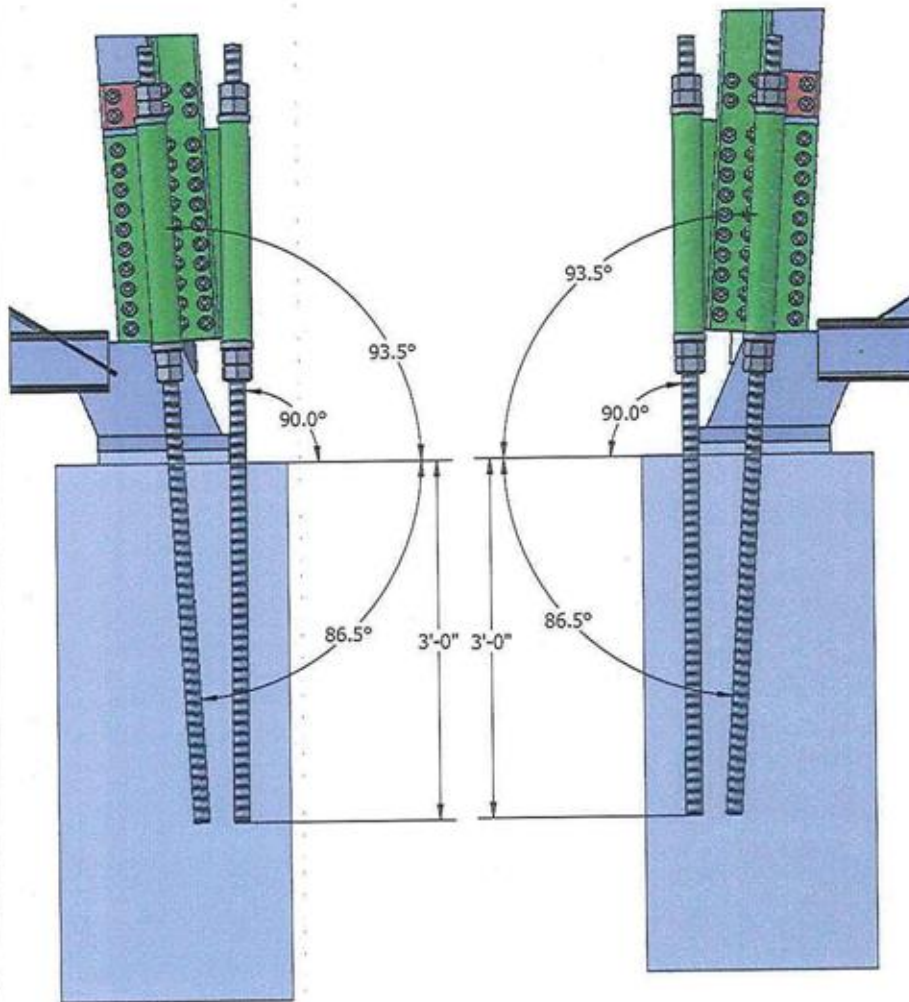
228 EGGARTOWN ROAD
 VINEYARD HAVEN, MA 02558

S.S.T.
 REINFORCEMENT

REINFORCEMENT DETAILS

D-2 0

ANGLE-X REINFORCEMENT BASE DETAILS (CONT'D)



NOTE: THE ANGLE-X ANCHOR RODS FOLLOW THE TAPER OF THE TOWER LEG IN ONE DIRECTION. DO A MOCK FIT UP OF THE ANGLE-X TO CHECK THE ANCHOR ROD ALIGNMENT AND LOCATION.

ANCHOR ROD INSTALL NOTES:

1. ANCHOR ROD HOLES MAY BE DRILLED OR CORED. IF CORED, AN APPROVED ROUGHENING METHOD MUST BE USED.
2. HOLES SHALL BE FREE OF DEBRIS AND MOISTURE; CLEAN HOLES WITH A VACUUM IF NECESSARY.
3. USE HIT-RE 500 V3 TO BOND THE ANCHOR RODS TO THE FOUNDATION.
4. REFER TO THE MANUFACTURES INSTRUCTIONS FOR ALLOWABLE INSTALLATION TEMPERATURE RANGE.
5. FOLLOW ALL MANUFACTURES PREPARATION AND INSTALLATION INSTRUCTIONS.
6. AFTER DRILLING / CORING IS FINISHED COMPLETE TAPE DROPS WITH PHOTOS FOR EACH HOLE. INSTALL ANCHOR ROD INTO HOLE TO ENSURE THERE ARE NO OBSTRUCTIONS, REMOVE, INSTALL EPOXY AND REINSTALL ANCHOR ROD.
7. APPROXIMATE EPOXY NEEDED = 1/4 GAL. PER ANCHOR ROD, 2 GAL. TOTAL

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

Structural Components
 Design & Construction

11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

STAMP:

**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|----------------------|----|-----|-----|
| 0 | 11/15/15 | PRELIMINARY DRAWINGS | | | |

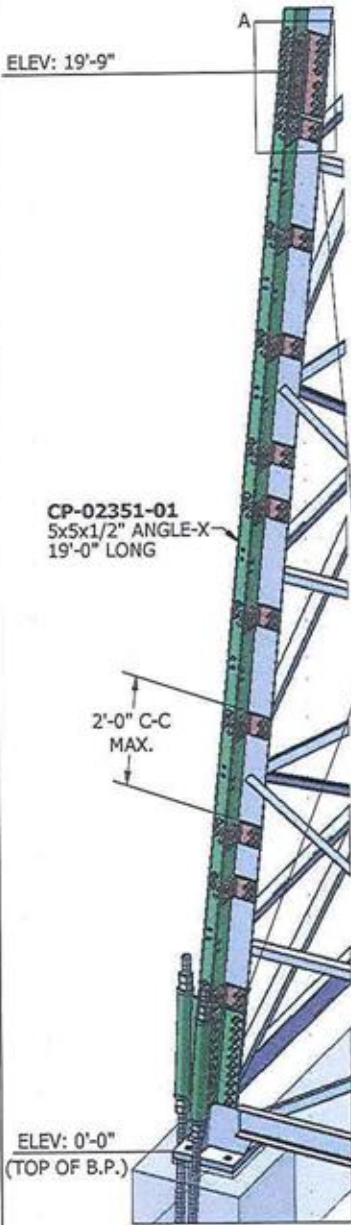
235 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02558

**S.S.T.
REINFORCEMENT**

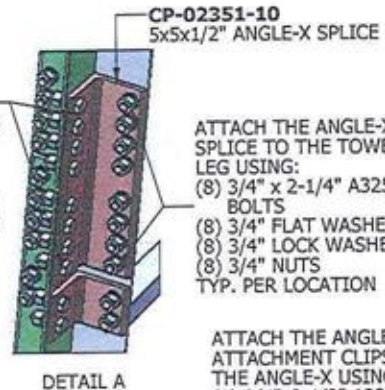
**REINFORCEMENT
DETAILS (CONT'D)**

D-3 0

ANGLE-X REINFORCEMENT DETAILS (0'-0" TO 38'-11")



ATTACH THE ANGLE-X SPLICE TO THE ANGLE-X USING:
 (8) 3/4" x 2-1/2" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION



ATTACH THE ANGLE-X SPLICE TO THE TOWER LEG USING:
 (8) 3/4" x 2-1/4" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION

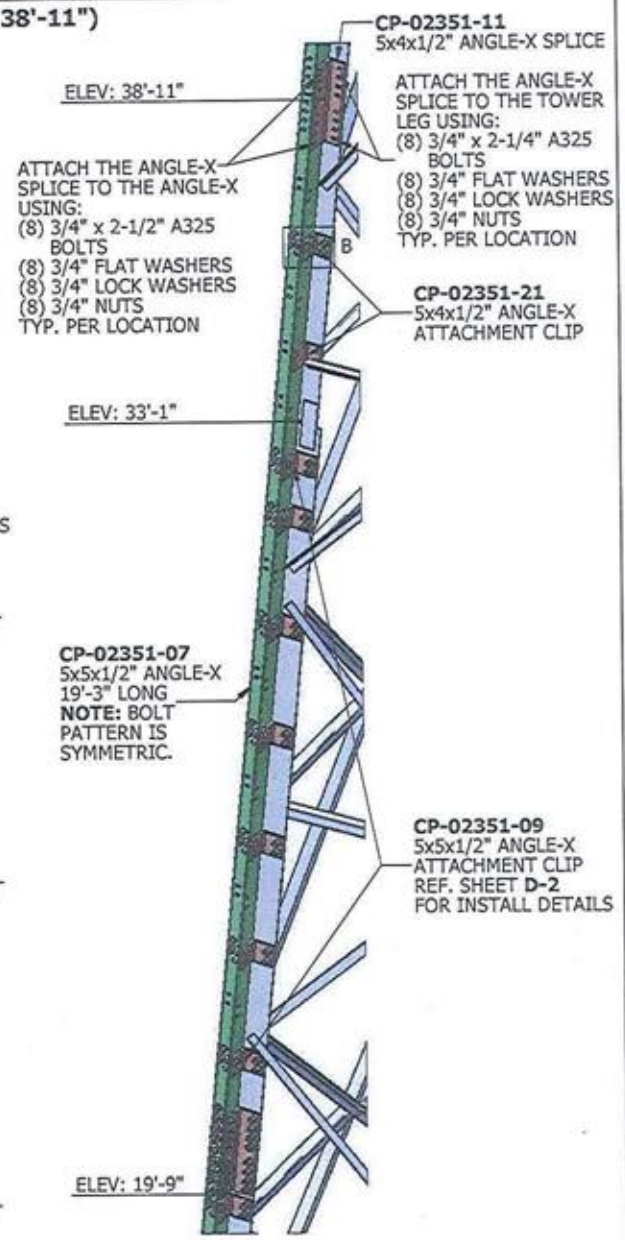
ATTACH THE ANGLE-X ATTACHMENT CLIPS TO THE ANGLE-X USING:
 (2) 3/4"x2-1/2" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. THROUGHOUT THE ANGLE-X REINFORCEMENT



ATTACH THE ANGLE-X ATTACHMENT CLIPS TO THE TOWER LEG USING:
 (2) 3/4"x2-1/4" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. THROUGHOUT THE ANGLE-X REINFORCEMENT

CP-02351-09
 5x5x1/2" ANGLE-X ATTACHMENT CLIP
 REF. SHEET D-2 FOR INSTALL DETAILS

- ANGLE-X INSTALL NOTES:**
1. ENSURE THERE IS A MAXIMUM 2'-0" ANGLE-X CLIP SPACING. THE HOLE PATTERN IN THE ANGLE-X IS SET AT 1'-0" C-C. EXTRA CLIPS WILL BE SENT TO GET AROUND OBSTRUCTIONS AND MAINTAIN A MAXIMUM CLIP SPACING OF 2'-0".
 2. 13/16" Ø HOLES WILL HAVE TO BE FIELD DRILLED INTO THE TOWER LEG TO ACCOMMODATE FIT UP. USE THE ANGLE-X CLIPS AND SPLICES AS A TEMPLATE TO FIELD DRILL THE LEG.
 3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.
 4. NOT ALL HARDWARE IS SHOWN.
 5. REFERENCE SHEET D-13 & D-14 FOR REINFORCEMENT OBSTRUCTIONS.



ATTACH THE ANGLE-X SPLICE TO THE ANGLE-X USING:
 (8) 3/4" x 2-1/2" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION

CP-02351-11
 5x4x1/2" ANGLE-X SPLICE
 ATTACH THE ANGLE-X SPLICE TO THE TOWER LEG USING:
 (8) 3/4" x 2-1/4" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION

CP-02351-21
 5x4x1/2" ANGLE-X ATTACHMENT CLIP

CP-02351-07
 5x5x1/2" ANGLE-X 19'-3" LONG
NOTE: BOLT PATTERN IS SYMMETRIC.

CP-02351-09
 5x5x1/2" ANGLE-X ATTACHMENT CLIP
 REF. SHEET D-2 FOR INSTALL DETAILS

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 388-7622
 JOB #: 160891

Structural Components
 Design & Fabrication
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 388-7622
 JOB #: 160891

STAMP:
**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|----------------------|----|-----|-----|
| 0 | 11/17/18 | PRELIMINARY DETAILED | | | |

228 EDGARTOWN ROAD
 WILYARD HAVEN, MA 02528

S.S.T.
 REINFORCEMENT

REINFORCEMENT
 DETAILS (CONT'D)

D-4 0

ANGLE-X REINFORCEMENT DETAILS (38'-11" TO 45'-4")

CP-02351-12
5x5x1/2" ANGLE-X
20'-0" LONG
NOTE: CP-02351-12
WILL BE SENT LONG
AND WILL NEED TO
BE FIELD FABRICATED.

ELEV: 45'-4"

CP-02351-15
ANGLE-X TAPER SPLICE
RIGHT BEND

CP-02351-08
5x5x1/2" ANGLE-X
6'-8" LONG
NOTE: CP-02351-08
WILL BE SENT LONG
AND WILL NEED TO
BE FIELD FABRICATED.

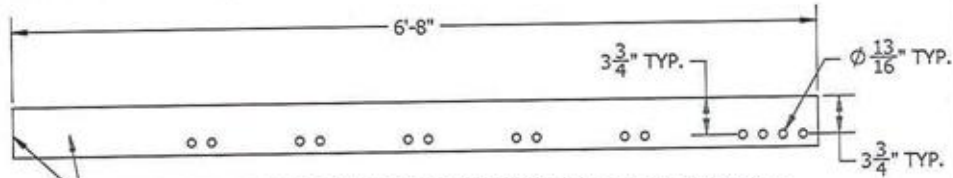
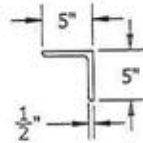
ELEV: 38'-11"

CP-02351-14
ANGLE-X TAPER SPLICE
LEFT BEND

ATTACH THE BENT ANGLE-X SPLICE
PLATES TO THE ANGLE-X USING:
(4) 3/4" x 2-1/2" A325 BOLTS
(4) 3/4" FLAT WASHERS
(4) 3/4" LOCK WASHERS
(4) 3/4" NUTS
TYP. PER LOCATION

NOTE: INSTALL THE ANGLE-X
UP TO THE TAPER CHANGE THEN
INSTALL THE REST OF THE
TOWER REINFORCEMENT. THE
DISHS ON THE RING MOUNTS
WILL HAVE TO REMAIN IN PLACE
UNTIL THEY CAN BE MOVED TO
THE PROPOSED TOWER EXTENSION.
ONCE THE DISHS ARE MOVED TO
THE PROPOSED TOWER EXTENSION
THE EXISTING RING MOUNTS MAY
BE REMOVED AND THE ANGLE-X
FROM 45'-4" TO 65'-2" MAY BE
INSTALLED.

CP-02351-21
5x4x1/2" ANGLE-X
ATTACHMENT CLIP
REF. SHEET **D-4** FOR
INSTALL DETAILS



FIELD CUT THE ANGLE TO THE CORRECT LENGTH SO THAT THE FIELD CUT
END OF THE ANGLE COMES UP TO THE TAPER CHANGE OF THE TOWER LEG.
FIELD DRILL THE (4) \varnothing 13/16" TAPER SPLICE BOLT HOLES, MATCH THE
DIMENSIONS OF THE (4) \varnothing 13/16" SPLICE BOLTS HOLES ABOVE.

CP-02351-08 FIELD FABRICATION DETAILS

ANGLE-X INSTALL NOTES:

1. ENSURE THERE IS A MAXIMUM 2'-0" ANGLE-X CLIP SPACING. THE HOLE PATTERN IN THE ANGLE-X IS SET AT 1'-0" C-C. EXTRA CLIPS WILL BE SENT TO GET AROUND OBSTRUCTIONS AND MAINTAIN A MAXIMUM CLIP SPACING OF 2'-0".
2. 13/16" \varnothing HOLES WILL HAVE TO BE FIELD DRILLED INTO THE TOWER LEG TO ACCOMMODATE FIT UP. USE THE ANGLE-X CLIPS AND SPLICES AS A TEMPLATE TO FIELD DRILL THE LEG.
3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.
4. NOT ALL HARDWARE IS SHOWN.
5. REFERENCE SHEET **D-13** & **D-14** FOR REINFORCEMENT OBSTRUCTIONS.

**TURNING MILL
CONSULTANTS, INC.**
11611 E 51ST AVE
DENVER, CO 80239
(866) 366-7622
JOB #: 160891

**Structural
Components**
Bringing it All Together

11611 E 51ST AVE
DENVER, CO 80239
(866) 366-7622
JOB #: 160891

STAMP:

**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or distribution other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|------|-------------|----|-----|-----|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

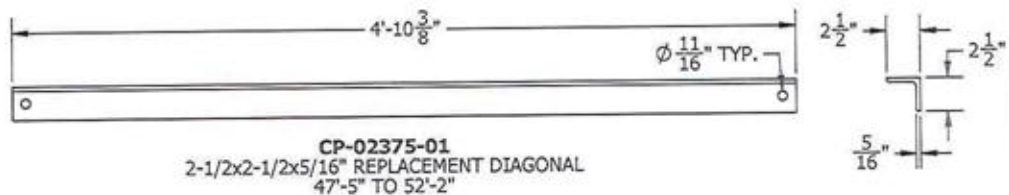
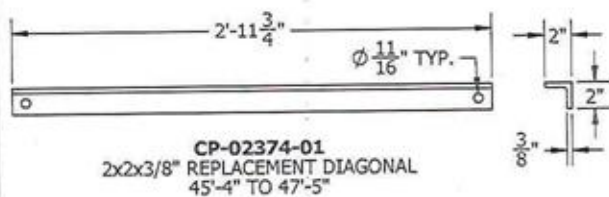
228 EDGARTOWN ROAD
VINYARD HAVEN, MA 02558

S.S.T.
REINFORCEMENT

REINFORCEMENT
DETAILS (CONT'D)

D-5 **0**

DIAGONAL SWAP OUT DETAILS



ELEV: 52'-2"

ELEV: 47'-5"

ELEV: 45'-4"



NOTES:

1. THE INNER 11/16" END BOLTS WILL NEED TO BE FIELD DRILLED.
2. COPE THE REPLACEMENT DIAGONALS AS NEEDED FOR FIT UP.
3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.
4. DO NOT REMOVE AND REPLACE ANY TOWER MEMBERS IF WINDS ARE EXPECTED TO BE 20 MPH OR GREATER.
5. DO NOT REMOVE AND REPLACE MORE THAN ONE MEMBER AT A TIME.

WHEN THE DIAGONALS ARE REPLACED REPLACE ALL THE DIAGONAL END BOLTS WITH:
 (2) 5/8" x 2" A325 BOLTS
 (2) 5/8" FLAT WASHERS
 (2) 5/8" LOCK WASHERS
 (2) 5/8" NUTS
 TYP. PER LOCATION

TURNING MILL CONSULTANTS, INC.
 REGISTERED ENGINEERS
 150 UNIVERSITY DRIVE, SUITE 200
 DENVER, COLORADO 80202
 (303) 733-1100
 FAX (303) 733-1101
 WWW.TURNINGMILLCONSULTANTS.COM

Structural Components
 Design & Air Tightness
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160691

STAMP:
PRELIMINARY, NOT FOR CONSTRUCTION

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | | NO. | DATE | DESCRIPTION |
|------------|--|--|--|-----|------|-------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

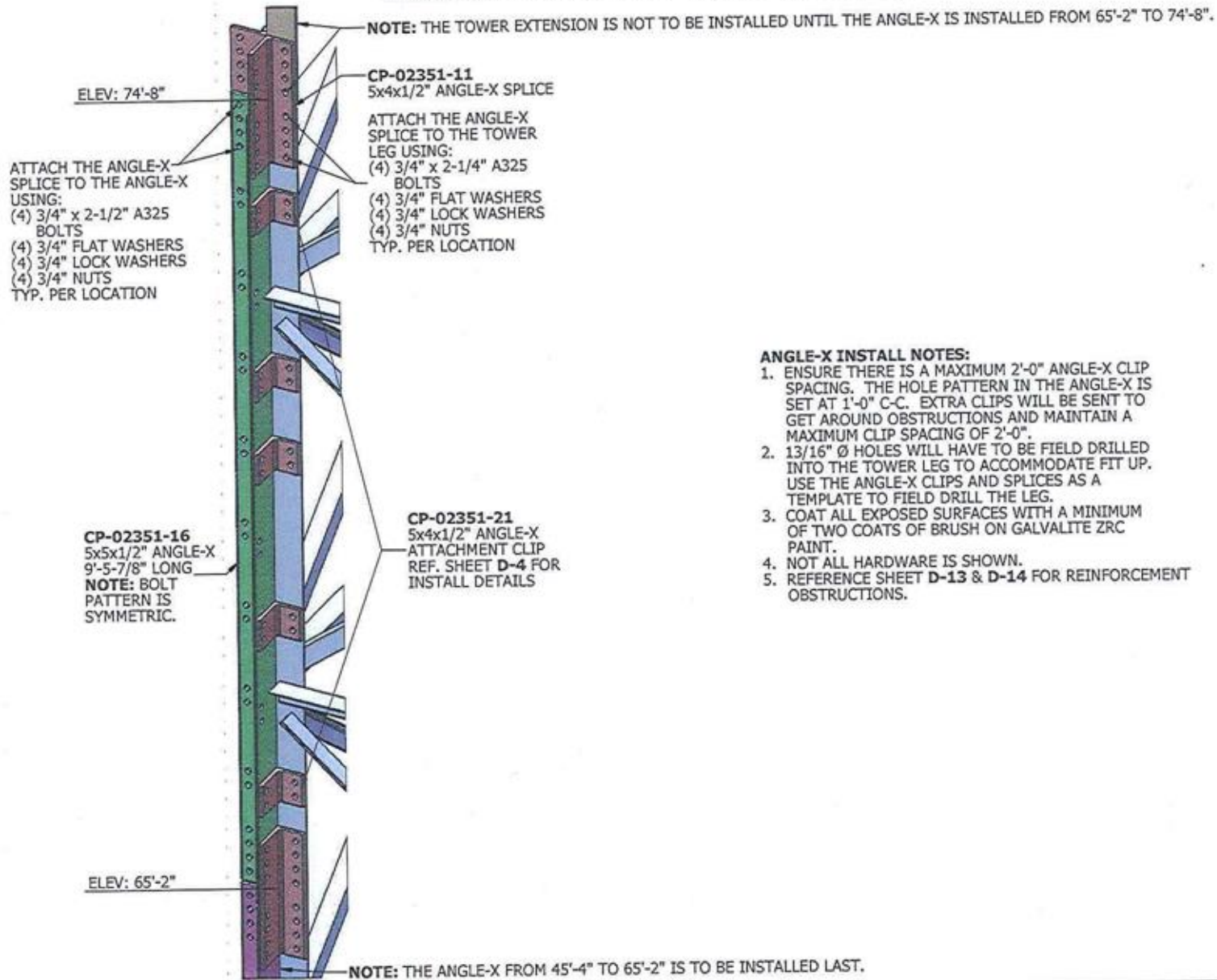
228 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02508

S.S.T. REINFORCEMENT

REINFORCEMENT DETAILS (CONT'D)

D-6 0

ANGLE-X REINFORCEMENT DETAILS (65'-2" TO 74'-8")



ANGLE-X INSTALL NOTES:

1. ENSURE THERE IS A MAXIMUM 2'-0" ANGLE-X CLIP SPACING. THE HOLE PATTERN IN THE ANGLE-X IS SET AT 1'-0" C-C. EXTRA CLIPS WILL BE SENT TO GET AROUND OBSTRUCTIONS AND MAINTAIN A MAXIMUM CLIP SPACING OF 2'-0".
2. 13/16" Ø HOLES WILL HAVE TO BE FIELD DRILLED INTO THE TOWER LEG TO ACCOMMODATE FIT UP. USE THE ANGLE-X CLIPS AND SPLICES AS A TEMPLATE TO FIELD DRILL THE LEG.
3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.
4. NOT ALL HARDWARE IS SHOWN.
5. REFERENCE SHEET **D-13** & **D-14** FOR REINFORCEMENT OBSTRUCTIONS.

TURNING MILL CONSULTANTS, INC.
REGISTERED PROFESSIONAL ENGINEERS
 STATE OF COLORADO, LICENSE NO. 1142
 1142 S. WASHINGTON ST., SUITE 200
 DENVER, CO 80202

Structural Components
Design & Fabrication
 11611 E 51ST AVE
 DENVER, CO 80229
 (855) 388-7522
 JOB #: 160891

STAMP:

**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary to the issuer. Any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHKD. |
|-----|------|-------------|----|-------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

228 EDGARTOWN ROAD
VINEYARD HAVEN, MA 02558

**S.S.T.
REINFORCEMENT**

REINFORCEMENT
DETAILS (CONTD)

D-7 0

LEG SPLICE BOLT REPLACEMENT DETAILS



SPLICE BOLT REPLACEMENT NOTES:

1. DO NOT REPLACE ANY TOWER SPLICE BOLTS IF WINDS ARE EXPECTED TO BE 20 MPH OR GREATER.
2. ONLY REMOVE AND REPLACE ONE SPLICE BOLT AT A TIME.

THE EXISTING 5/8" BOLTS AT THE BASE SPLICE ARE TO BE REPLACED WITH NEW 5/8" A490 BOLTS. REPLACE THE EXISTING BASE LEG SPLICE BOLTS WITH:

- (1) 5/8" x 2-1/4" A490 BOLT
- (1) 5/8" FLAT WASHER
- (1) 5/8" LOCK WASHER
- (1) 5/8" NUT

TYP. PER LOCATION



THE EXISTING 5/8" BOLTS AT THE 33'-1" TOWER SPLICE ARE TO BE REPLACED WITH NEW 5/8" A325 BOLTS. REPLACE THE EXISTING BASE LEG SPLICE BOLTS WITH:

- (1) 5/8" x 2-1/4" A325 BOLT
- (1) 5/8" FLAT WASHER
- (1) 5/8" LOCK WASHER
- (1) 5/8" NUT

TYP. PER LOCATION



TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (856) 386-7622
 JOB #: 160891

Structural Components
 Bringing it All Together

11611 E 51ST AVE
 DENVER, CO 80239
 (856) 386-7622
 JOB #: 160891

STAMP:

**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|----------------------|----|-----|-----|
| 1 | 11-11-18 | PRELIMINARY DRAWINGS | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

PROJECT TITLE:

228 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02556

DATE PLOTTED:

S.S.T.
 REINFORCEMENT

DATE PLOTTED:

REINFORCEMENT
 DETAILS (CONT'D)

DATE PLOTTED:

D-8 0

TOP OF TOWER FIELD CUT DETAILS



FIELD CUT THE TOWER LEGS AT THE APPROXIMATE MID PANEL.

FIELD CUT NOTES:

1. ENSURE THE TOWER LEGS ARE CUT PERPENDICULAR TO THE HEEL EDGE OF THE ANGLE.
2. CUT THE SAME AMOUNT OF ANGLE OFF EACH LEG. THE TOP OF THE TOWER SHOULD BE LEVEL AFTER THE FIELD CUTS.
3. FLOAT THE TOP DISH UNTIL IT CAN BE RE-BOLTED TO THE TOWER EXTENSION.
4. THE UPPER END CONNECTION OF THE DIAGONALS WILL BE BOLTED TO THE PROPOSED TOWER EXTENSION. REMOVE THE UPPER DIAGONAL END BOLTS AND LEAVE THE DIAGONAL STITCH BOLTS IN PLACE.

TURNING MILL CONSULTANTS, INC.
 200 EAST 10TH AVENUE, SUITE 1000
 DENVER, CO 80202
 (303) 733-1100
 WWW.TURNINGMILLCONSULTANTS.COM

Structural Components
 Design & Mill Fabrication
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 396-7622
 JOB #: 160891

STAMP:

**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, and use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | |
|------------|----------|-------------------------|-------------|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 10/10/18 | PRELIMINARY COORDINATOR | BY: CHW/APP |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

228 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02558

S.S.T.
 REINFORCEMENT

REINFORCEMENT
 DETAILS (CONT'D)

D-9 0

TOWER EXTENSION DETAILS (74'-8" TO 94'-9")

CP-02380-06
3-1/2x3-1/2x3/8" SEC. 2
TOWER EXTENSION LEG
x 20'-0" LONG.
TYP. PER LEG

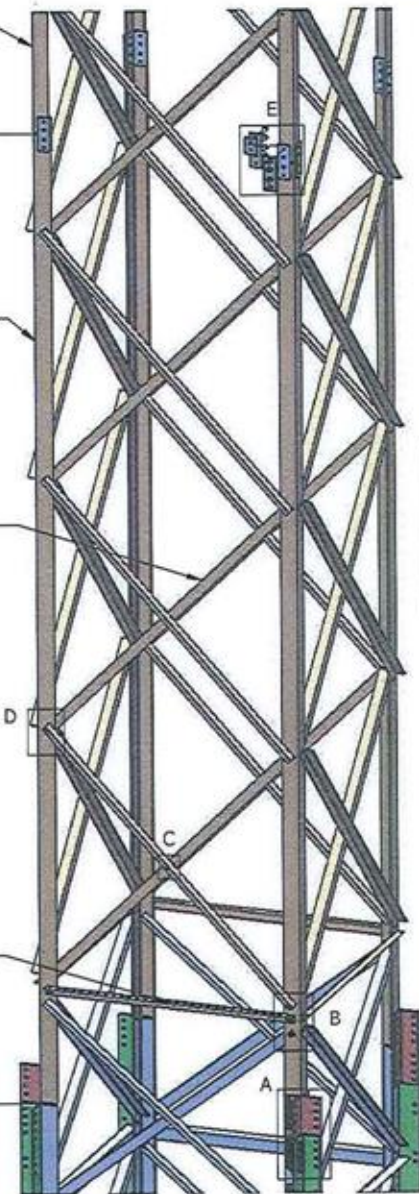
ELEV: 94'-9"

CP-02380-01
4x4x1/2" SEC. 1 TOWER
EXTENSION LEG x 20'-0"
LONG.
TYP. PER LEG

CP-02380-03
2x2x1/4"x7' 3-1/2"
LONG TOWER EXTENSION
DIAGONAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

CP-02380-02
2x2x3/16"x5' 1-1/2"
LONG TOWER EXTENSION
HORIZONTAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

ELEV: 74'-8"



NOTES:

1. NOT ALL HARDWARE IS SHOWN.
2. ALL TOWER EXTENSION PARTS WILL COME FULLY PRE-FABRICATED EXCEPT FOR THE EXISTING DIAGONAL INTERFACE. NOT ALL BOLT HOLES ARE SHOWN.
3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.

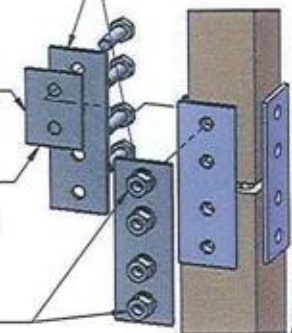
NOTE: INSTALL CP-02380-05 TO ACT AS A SPACER WHERE THE TOWER EXTENSION LEGS REDUCE IN THICKNESS.

SPLICE THE TWO TOWER EXTENSION LEGS TOGETHER USING:

- (4) 5/8" x 2-1/4" A325 BOLTS
- (4) 5/8" FLAT WASHERS
- (4) 5/8" LOCK WASHERS
- (4) 5/8" NUTS
- TYP. PER LOCATION

CP-02380-04
TOWER EXTENSION
SPLICE PLATE
TYP. PER LOCATION

CP-02380-05
TOWER EXTENSION
SPLICE PLATE SPACER
TYP. PER LOCATION



DETAIL E

| ELEVATION | SINGLE MEMBER END BOLT | DOUBLE MEMBER END BOLT | STITCH BOLT | RINGFILL THICKNESS |
|--------------------|------------------------|------------------------|---------------|--------------------|
| 74'-8" TO 94'-9" | 5/8" x 2" | 5/8" x 2-1/4" | 5/8" x 2-1/4" | 1/2" |
| 94'-9" TO 114'-9" | 5/8" x 2" | 5/8" x 2" | 5/8" x 2" | 3/8" |
| 114'-9" TO 130'-0" | 5/8" x 1-3/4" | 5/8" x 2" | 5/8" x 2" | 1/4" |

STITCH THE DIAGONALS TOGETHER USING:

- (1) 5/8" A325 BOLT
- (1) RINGFILL
- (1) 5/8" FLAT WASHER
- (1) 5/8" NUT
- TYP. PER LOCATION
- REF. CHART FOR H.W. SIZES



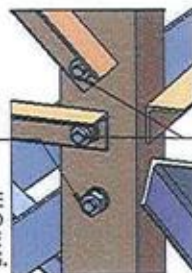
DETAIL C

ATTACH ALL THE DOUBLE MEMBER END CONNECTIONS USING:
(1) 5/8" A325 BOLT
(1) 5/8" FLAT WASHER
(1) 5/8" LOCK WASHER
(1) 5/8" NUT
TYP. PER LOCATION
REF. CHART FOR H.W. SIZES



DETAIL D

ATTACH THE EXISTING DIAGONALS TO THE TOWER EXTENSION USING:
(1) 5/8" x 2" A325 BOLT
(1) 5/8" FLAT WASHER
(1) 5/8" LOCK WASHER
(1) 5/8" NUT
TYP. PER LOCATION
NOTE: A 11/16" Ø HOLE WILL NEED TO BE FIELD DRILLED THROUGH THE TOWER EXTENSION LEG.

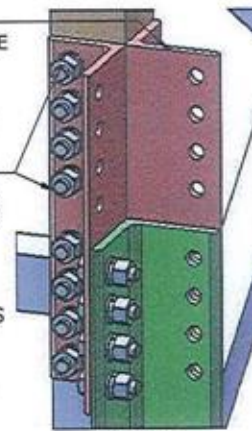


DETAIL B

CP-02351-11
5x4x1/2" ANGLE-X SPLICE
TYP. PER LOCATION

ATTACH THE ANGLE-X SPLICE TO THE TOWER EXTENSION USING:
(4) 3/4" x 2-1/2" A325 BOLTS
(4) 3/4" FLAT WASHERS
(4) 3/4" LOCK WASHERS
(4) 3/4" NUTS
TYP. PER LOCATION

ATTACH ALL THE SINGLE MEMBER END CONNECTIONS USING:
(1) 5/8" A325 BOLT
(1) 5/8" FLAT WASHER
(1) 5/8" LOCK WASHER
(1) 5/8" NUT
TYP. PER LOCATION
REF. CHART FOR H.W. SIZES



DETAIL A

TURNING MILL CONSULTANTS, INC.
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

Structural Components
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

PRELIMINARY,
NOT FOR
CONSTRUCTION

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|----------------------|----|-----|-----|
| 1 | 11/15/18 | PRELIMINARY DRAWINGS | SM | AB | VC |

228 EDGARTOWN ROAD
WILKINSON AVENUE, MA 02058

S.S.T.
REINFORCEMENT

TOWER EXTENSION
DETAILS

D-10 0

TOWER EXTENSION DETAILS (94'-9" TO 130'-0")

NOTE: FIELD DRILL A 11/16" Ø HOLE IN THE HORIZONTAL LEG OF A TOP HORIZONTAL AND RE-INSTALL THE EXISTING 5/8" Ø x 4' LIGHTNING ROD.



11611 E 51ST AVE
DENVER, CO 80239
(866) 386 - 7622
JOB #: 160891

STAMP:

**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|------|-------------|----|-----|-----|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

208 EDGARTOWN ROAD
WINDYBARK HAVEN, MA 02556

S.S.T.
REINFORCEMENT

TOWER EXTENSION
DETAILS (CONT'D)

D-11 0

CP-02380-07
3-1/2x3-1/2x1/4" SEC. 3
TOWER EXTENSION LEG
x 20'-0" LONG.
TYP. PER LEG

ELEV: 114'-9"

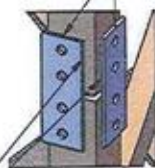
CP-02380-06
3-1/2x3-1/2x3/8" SEC. 2
TOWER EXTENSION LEG
x 20'-0" LONG.
TYP. PER LEG

CP-02380-03
2x2x1/4"x7' 3-1/2"
LONG TOWER EXTENSION
DIAGONAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

CP-02380-02
2x2x3/16"x5' 1-1/2" LONG
TOWER EXTENSION
HORIZONTAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

ELEV: 94'-9"

CP-02380-04
TOWER EXTENSION
SPLICE PLATE
(4) PER LEG SPLICE
TYP. PER LOCATION



DETAIL A

CP-02380-05
TOWER EXTENSION SPLICE
PLATE SPACERS ARE TO BE
INSTALLED ON THE INSIDE
FACE OF THE TOWER TO ACT
AS A SPACER ON THE 1/4"
THICK LEG.
(2) PER LEG SPLICE
TYP. PER LOCATION

CP-02380-02
2x2x3/16"x5' 1-1/2" LONG
TOWER EXTENSION
HORIZONTAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

ELEV: 130'-0"

CP-02380-03
2x2x1/4"x7' 3-1/2"
LONG TOWER EXTENSION
DIAGONAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

CP-02380-07
3-1/2x3-1/2x1/4" SEC. 3
TOWER EXTENSION LEG
x 15' 2-3/4" LONG.
TYP. PER LEG

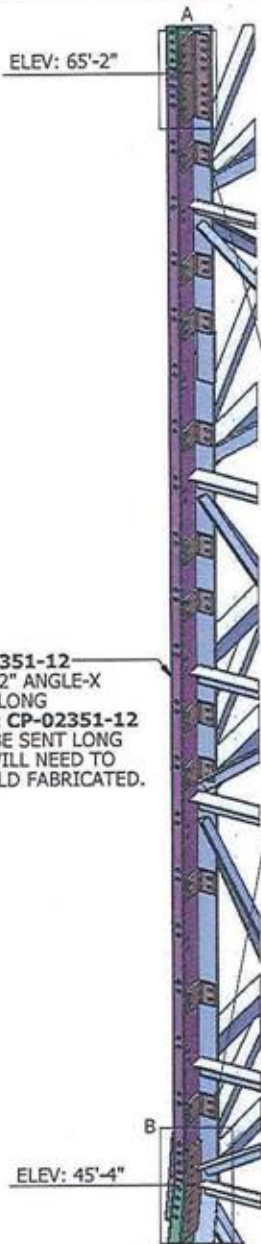
CP-02380-02
2x2x3/16"x5' 1-1/2" LONG
TOWER EXTENSION
HORIZONTAL.
TYP. THROUGHOUT THE
TOWER EXTENSION

ELEV: 114'-9"

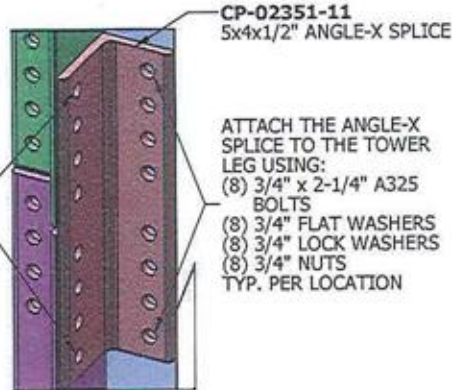
NOTES:

1. REF. SHEET D-10 FOR TOWER EXTENSION HARDWARE INSTALL DETAILS.
2. NOT ALL HARDWARE IS SHOWN.
3. ALL TOWER EXTENSION PARTS WILL COME FULLY PRE-FABRICATED EXCEPT FOR THE EXISTING DIAGONAL INTERFACE. NOT ALL BOLT HOLES ARE SHOWN.
4. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.

ANGLE-X REINFORCEMENT DETAILS (45'-4" TO 65'-2")



ATTACH THE ANGLE-X SPLICE TO THE ANGLE-X USING:
 (8) 3/4" x 2-1/2" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION



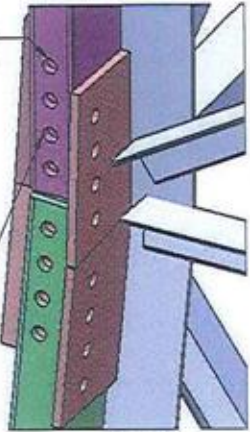
DETAIL A

CP-02351-11
 5x4x1/2" ANGLE-X SPLICE

ATTACH THE ANGLE-X SPLICE TO THE TOWER LEG USING:
 (8) 3/4" x 2-1/4" A325 BOLTS
 (8) 3/4" FLAT WASHERS
 (8) 3/4" LOCK WASHERS
 (8) 3/4" NUTS
 TYP. PER LOCATION

ONCE THE ANGLE-X FROM 45'-4" TO 65'-2" IS CORRECTLY INSTALLED USE THE ANGLE-X AS A TEMPLATE TO FIELD DRILL THE 13/16 Ø HOLES THROUGH THE BENT ANGLE-X TAPER SPLICES.

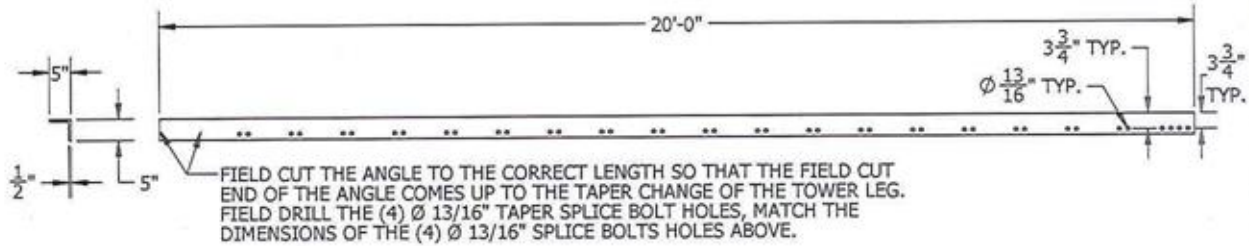
ATTACH THE BENT ANGLE-X SPLICE TO THE ANGLE-X USING:
 (4) 3/4" x 2-1/2" A325 BOLTS
 (4) 3/4" FLAT WASHERS
 (4) 3/4" LOCK WASHERS
 (4) 3/4" NUTS
 TYP. PER LOCATION



DETAIL B

CP-02351-21
 5x4x1/2" ANGLE-X ATTACHMENT CLIP
 REF. SHEET D-4 FOR INSTALL DETAILS

CP-02351-12
 5x5x1/2" ANGLE-X
 20'-0" LONG
NOTE: CP-02351-12 WILL BE SENT LONG AND WILL NEED TO BE FIELD FABRICATED.



CP-02351-12 FIELD FABRICATION DETAILS

ANGLE-X INSTALL NOTES:

1. ENSURE THERE IS A MAXIMUM 2'-0" ANGLE-X CLIP SPACING. THE HOLE PATTERN IN THE ANGLE-X IS SET AT 1'-0" C-C. EXTRA CLIPS WILL BE SENT TO GET AROUND OBSTRUCTIONS AND MAINTAIN A MAXIMUM CLIP SPACING OF 2'-0".
2. 13/16" Ø HOLES WILL HAVE TO BE FIELD DRILLED INTO THE TOWER LEG TO ACCOMMODATE FIT UP. USE THE ANGLE-X CLIPS AND SPLICES AS A TEMPLATE TO FIELD DRILL THE LEG.
3. COAT ALL EXPOSED SURFACES WITH A MINIMUM OF TWO COATS OF BRUSH ON GALVALITE ZRC PAINT.
4. NOT ALL HARDWARE IS SHOWN.
5. REFERENCE SHEET D-13 & D-14 FOR REINFORCEMENT OBSTRUCTIONS.

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 388-7622
 JOB #: 150891

Structural Components
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 388-7622
 JOB #: 150891

**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | |
|------------|------|-------------|----|
| NO. | DATE | DESCRIPTION | BY |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

228 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02568

**S.S.T.
 REINFORCEMENT**

REINFORCEMENT
 DETAILS (CONTD)

D-12 0

THE SITE IS ONLY ACCESSIBLE BY FERRY.
FREIGHT VEHICLES WILL HAVE TO TRAVEL VIA
FERRY TO DELIVER MATERIAL.



OVERHEAD POWERLINES ALONG THE ROADWAY
WILL LIMIT CRANE AND HOISTING ACCESS.



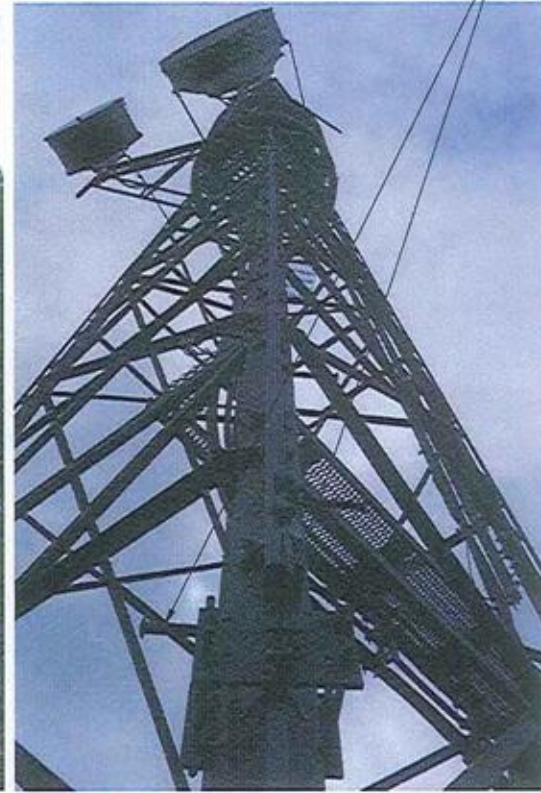
REINFORCEMENT OBSTRUCTIONS

THE EXISTING SOLID ROD LEG REINFORCEMENT FROM 0' TO 44' ON ALL (4) TOWER LEGS WILL NEED TO BE REMOVED PRIOR TO INSTALLING THE PROPOSED ANGLE-X REINFORCEMENT. THE EXISTING SOLID ROD REINFORCEMENT IS ATTACHED TO THE TOWER LEGS WITH 5/8" BOLTS.



NOTE: NEW STEP PEGS AND SAFETY CLIMB WILL BE
INSTALLED.
REF. SHEET D-17 & D-18 FOR SAFETY CLIMB
INSTALL DETAILS.

THE EXISTING SAFETY CLIMB AND STEP PEGS FROM
0' TO 33' ON LEG D WILL NEED TO BE REMOVED PRIOR
TO INSTALLING THE ANGLE-X REINFORCEMENT.



TURNING MILL
CONSULTANTS, INC.
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

Structural Components
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

STAMP
**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary to the firm, and use or disclosure other than that which relates to the Client named is strictly prohibited.

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|---------------------|----|-----|-----|
| 1 | 10/15/18 | PRELIMINARY DRAWING | SM | | |

229 EDGARTOWN ROAD
VINEYARD HAVEN, MA 02508
S.S.T.
REINFORCEMENT
REINFORCEMENT
OBSTRUCTIONS
D-13 0

REINFORCEMENT OBSTRUCTIONS (CONT'D)



EXISTING SAFETY CLIMB TOP TERMINATION AT 33'
TO BE REMOVED PRIOR TO ANGLE-X INSTALLATION.



EXISTING SAFETY CLIMB BASE TERMINATION
TO BE REMOVED PRIOR TO ANGLE-X INSTALLATION.

BOLT ON STEP PEGS FROM 0' TO 33' TO BE REMOVED PRIOR
TO ANGLE-X INSTALLATION.

BOLT ON SOLID ROD REINFORCEMENT FROM 0' TO 44' TO BE
REMOVED PRIOR TO ANGLE-X INSTALLATION.



THE (3) DISHES AND MOUNTS FROM 55' TO 65' ARE TO REMAIN ACTIVE DURING CONSTRUCTION. THE ANGLE-X FROM 45'-4" TO 65'-2" IS TO BE INSTALLED LAST SO THESE DISHES CAN REMAIN ACTIVE. ONCE ALL OF THE REINFORCEMENTS AND TOWER EXTENSION HAVE BEEN INSTALLED RE-LOCATE THESE (3) DISHES AND MOUNTS TO THE TOWER EXTENSION. AFTER THESE DISHES AND MOUNTS HAVE BEEN RE-LOCATED TO THE TOWER EXTENSION THE ANGLE-X FROM 45'-4" TO 65'-2" IS TO BE INSTALLED.

TURNING MILL CONSULTANTS, INC.
 200 W. 10TH AVENUE, SUITE 1000
 DENVER, CO 80202
 (303) 733-1111

Structural Components
 Working Like Team
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 385-7622
 JOB #: 160891

STAMP:

**PRELIMINARY,
NOT FOR
CONSTRUCTION**

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|------|-------------|----|-----|-----|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

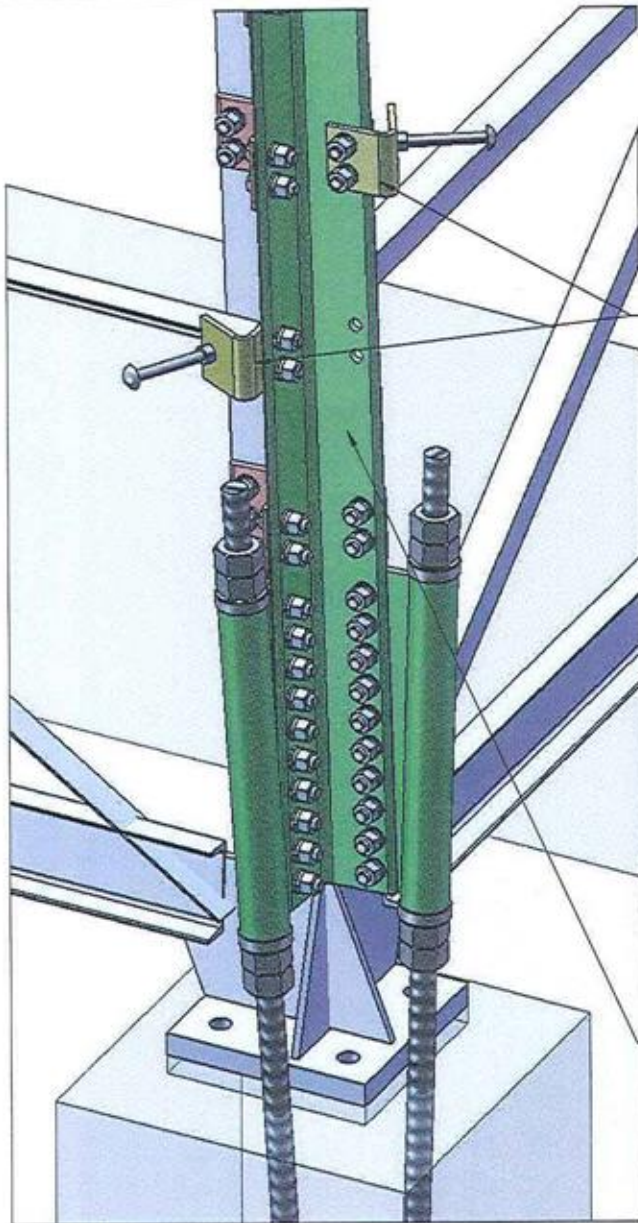
220 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02568

S.S.T.
 REINFORCEMENT

REINFORCEMENT
 OBSTRUCTIONS
 (CONT'D)

D-14 0

ANGLE-X SAFETY CLIMB DETAILS



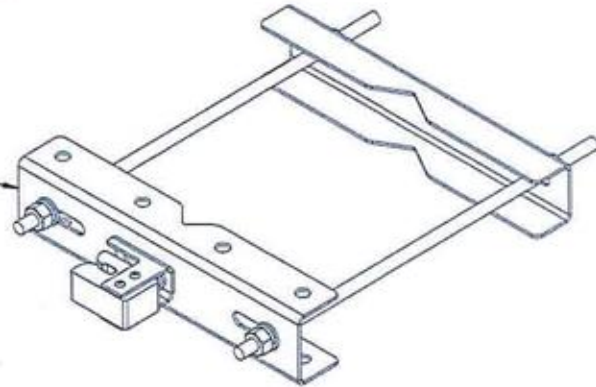
(3) H42-0500-36's WILL BE PROVIDED TO BE INSTALLED AROUND THE ANGLE-X REINFORCEMENT AND TOWER LEG AT APPROXIMATELY 25' INTERVALS.

ATTACH CP-02351-18 TO THE ANGLE-X AS SHOWN FROM THE BASE OF THE TOWER UP TO THE TOP OF THE ANGLE-X REINFORCEMENT.

WHEN THE BENT STEP PEG PLATE IS BOLTED TO ONLY THE ANGLE-X ATTACH THE BENT STEP PEG PLATE TO THE ANGLE-X USING:
 (2) 3/4" x 2-1/4" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. PER LOCATION

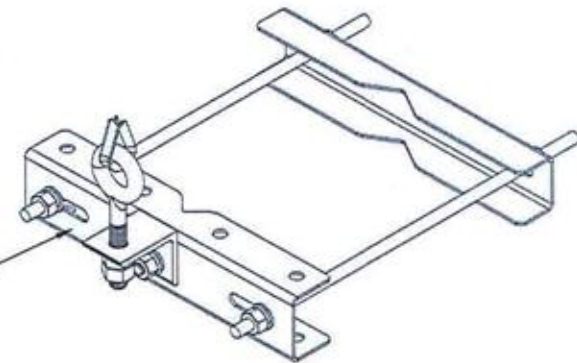
WHEN THE BENT STEP PEG PLATE IS BOLTED TO THE ANGLE-X AND AN ANGLE-X ATTACHMENT CLIP ATTACH THE BENT STEP PEG PLATE TO THE ANGLE-X USING:
 (2) 3/4" x 2-3/4" A325 BOLTS
 (2) 3/4" FLAT WASHERS
 (2) 3/4" LOCK WASHERS
 (2) 3/4" NUTS
 TYP. PER LOCATION

H42-0500-38 WILL BE PROVIDED TO BE USED AS THE NEW SAFETY CLIMB BOTTOM TERMINATION. BOLT THIS BOTTOM SAFETY CLIMB TERMINATION AROUND THE TOWER LEG AND ANGLE-X REINFORCEMENT.



PART #: H42-0500-36

LEG MOUNTED SAFETY CLIMB - 6" TO 10" LEG ADAPTER W/ CABLE GUIDE



PART #: H42-0500-38

LEG MOUNTED SAFETY CLIMB - 6" TO 10" LEG ADAPTER BOT ASSEM

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (855) 385-7622
 JOB #: 160891

Structural Components
 Keeping It All Together
 11611 E 51ST AVE
 DENVER, CO 80239
 (855) 385-7622
 JOB #: 160891

STAMP:
**PRELIMINARY,
 NOT FOR
 CONSTRUCTION**

The information contained in this set of documents is proprietary to Turner, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | |
|------------|----------|----------------------|----|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 11/15/18 | PRELIMINARY DRAWINGS | VC |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

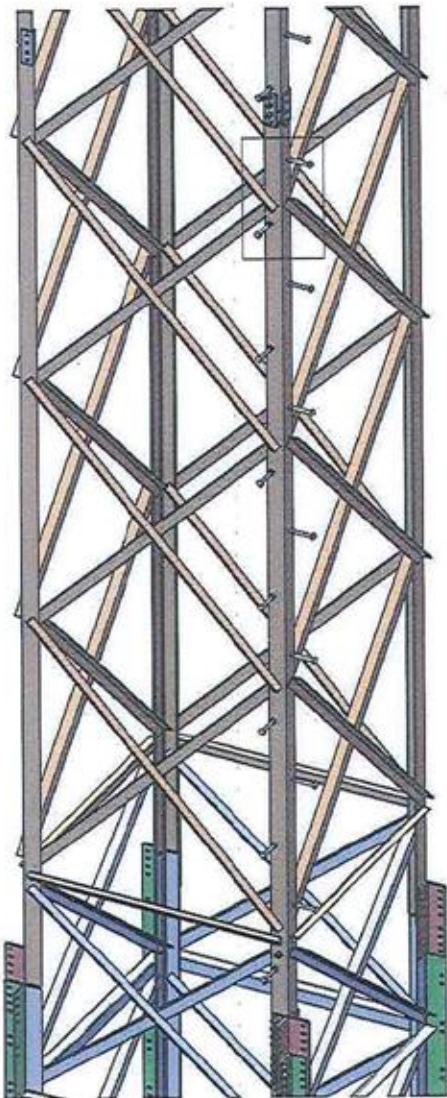
228 EDGARTOWN ROAD
 VINEYARD HAVEN, MA 02568

S.S.T.
 REINFORCEMENT

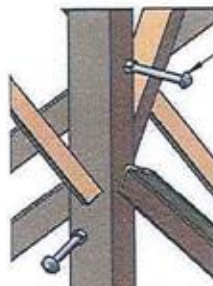
ANGLE-X SAFETY CLIMB
 DETAILS

D-15 0

TOWER EXTENSION SAFETY CLIMB DETAILS

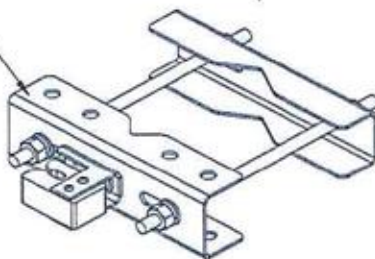


(2) H42-0500-35's WILL BE PROVIDED TO BE INSTALLED AROUND THE TOWER EXTENSION LEG AT APPROXIMATELY 25' INTERVALS.



DETAIL A

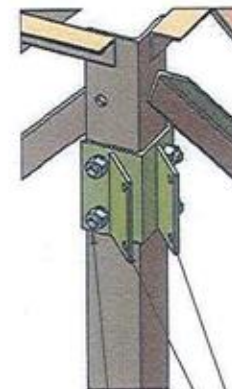
INSTALL THE PROVIDED 5/8" STEP BOLTS UP THE TOWER EXTENSION.



PART #: H42-0500-35

LEG MOUNTED SAFETY CLIMB - 5" TO 6" LEG ADAPTER W/ CABLE GUIDE

NOTE: NOT ALL HARDWARE IS SHOWN.



BOLT CA-00531-01

THROUGH THE ANGLE LEG USING:

- (4) 5/8" x 1-3/4" A325 BOLTS
- (4) 5/8" FLAT WASHERS
- (4) 5/8" LOCK WASHERS
- (4) 1/2" NUTS

NOTE: INSTALL THE FLAT WASHERS BETWEEN THE TO ANGLES TO ACT AS A RINGFILL.

NOTE: THE SAFETY CLIMB TOP TERMINATION WILL BOLT TO THESE PLATES. FOLLOW THE MANUFACTURES INSTALLATION INSTRUCTIONS.

TURNING MILL CONSULTANTS, INC.
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

Structural Components
 Design & Fabrication
 11611 E 51ST AVE
 DENVER, CO 80239
 (866) 386-7622
 JOB #: 160891

STAMP:

PRELIMINARY, NOT FOR CONSTRUCTION

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

REVISIONS:

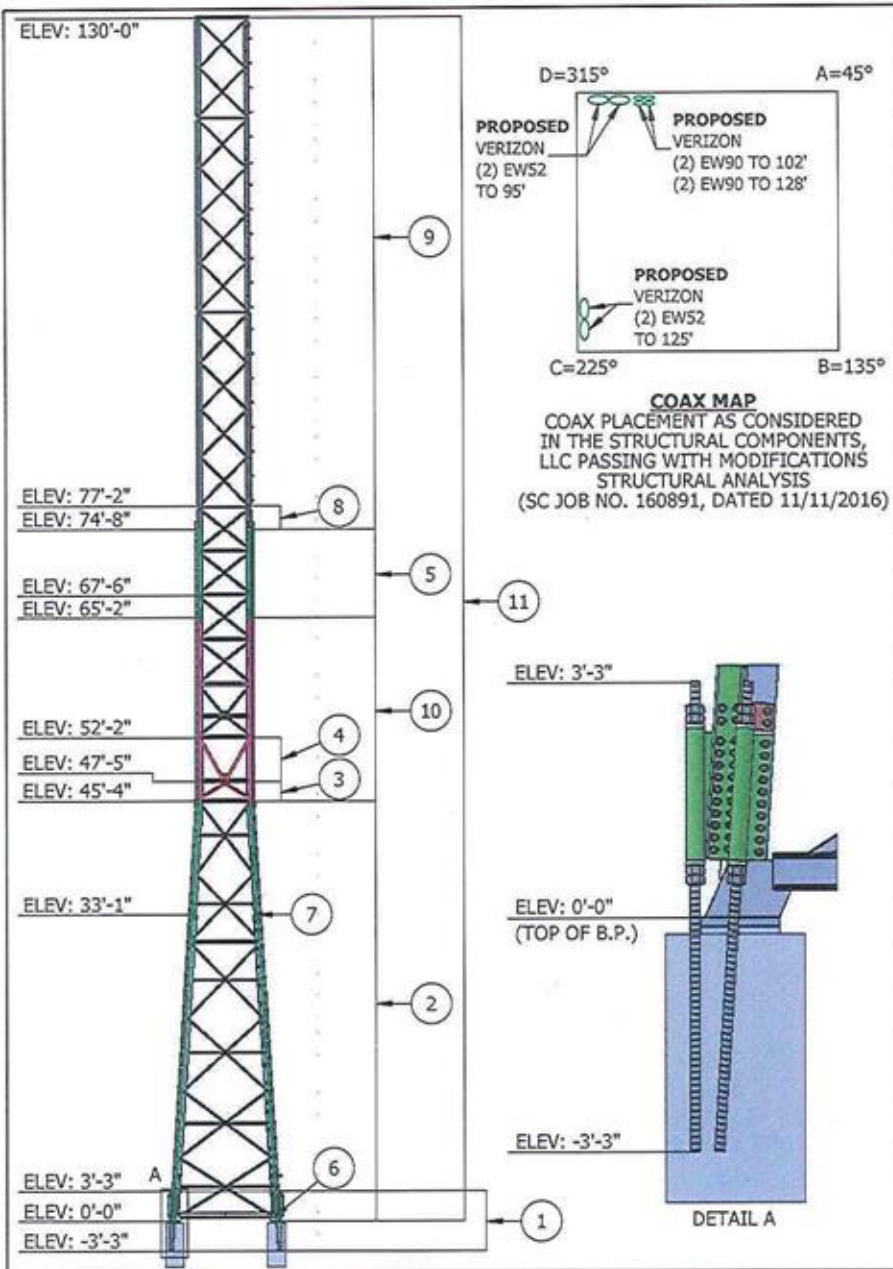
| NO. | DATE | DESCRIPTION | BY | CHK. | REV. |
|-----|------|-------------|----|------|------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |

228 EDGARTOWN ROAD
 VINEYARD HAVEN, MASS 01903

S.S.T.
 REINFORCEMENT

TOWER EXTENSION
 SAFETY CLIMB
 DETAILS

D-16 0



| TOWER SPECIFICATIONS | |
|----------------------|---------------------------------------------------|
| MANUFACTURER | UNKNOWN |
| HEIGHT / TOWER TYPE | 77'-2" TOWER EXTENDED TO 130'-0" / (4) LEG S.S.T. |

| CURRENT STRUCTURAL ANALYSIS | |
|-----------------------------|-------------------------------------------|
| COMPANY | STRUCTURAL COMPONENTS, LLC |
| AUTHOR / FILE # / DATE | WESLEY CULVER, P.E. / 160891 / 11-11-2016 |

| DESIGN SPECIFICATIONS | |
|---------------------------------|------------------------------------------------------------|
| CODE | TIA-222-G (IBC 2009) DUKES COUNTY, MA MA AMENDMENTS TO IBC |
| WIND SPEED (BARE) | 120 MPH 3-SECOND GUST |
| WIND SPEED (ICED) | 40 MPH 3-SECOND GUST |
| ICE THICKNESS | 3/4" RADIAL |
| SERVICEABILITY BASIC WIND SPEED | 60 MPH 3-SECOND GUST |
| EXPOSURE CATEGORY | C |
| TOPOGRAPHIC CATEGORY | 1 |
| STRUCTURE CLASS | II |
| SEISMIC SITE CLASS | D, S ₀ =0.179, S ₁ = 0.051 |
| SEISMIC DESIGN CATEGORY | B |

| TOWER MODIFICATION SCHEDULE | | | | |
|-----------------------------|-----------------------------------------------------------------------|-----------|-----------|----------------------------------|
| ITEM | DESCRIPTION | ELEVATION | | DWG. NO. |
| | | BOTTOM | TOP | |
| 1 | INSTALL ANGLE-X ANCHOR RODS. | -3' - 3" | 3' - 3" | D-2 & D-3 |
| 2 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 0' - 0" | 45' - 4" | D-1, D-2, D-4, D-5, D-13, & D-14 |
| 3 | SWAP OUT THE EXISTING DIAGONALS WITH NEW 2x2x3/8" DIAGONALS. | 45' - 4" | 47' - 5" | D-1 & D-6 |
| 4 | SWAP OUT THE EXISTING DIAGONALS WITH NEW 2-1/2x2-1/2x5/16" DIAGONALS. | 47' - 5" | 52' - 2" | D-1 & D-6 |
| 5 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 65' - 2" | 74' - 8" | D-1, D-7, D-13, & D-14 |
| 6 | REPLACE THE LEG SPLICE BOLTS AT THE BASE WITH NEW 5/8" A490 BOLTS. | 0' - 0" | 0' - 0" | D-1 & D-8 |
| 7 | REPLACE THE LEG SPLICE BOLTS AT 33' - 1" WITH NEW 5/8" A325 BOLTS. | 33' - 1" | 33' - 1" | D-1 & D-8 |
| 8 | FIELD CUT THE LEGS AT THE TOP OF THE TOWER. | 74' - 8" | 77' - 2" | D-1 & D-9 |
| 9 | INSTALL THE TOWER EXTENSION. | 74' - 8" | 130' - 0" | D-1, D-10, D-11, D-13, & D-14 |
| 10 | INSTALL 5x5x1/2" ANGLE-X REINFORCEMENT. | 45' - 4" | 65' - 2" | D-1, D-12, D-13, & D-14 |
| 11 | INSTALL THE SAFETY CLIMB SYSTEM. | 0' - 0" | 130' - 0" | D-15 & D-16 |

SEE STRUCTURAL COMPONENTS, LLC PASSING WITH MODIFICATIONS STRUCTURAL ANALYSIS (SC JOB NO. 160891, DATED 11/11/2016) FOR TOWER LOADING DETAILS AND ANALYSIS ASSUMPTIONS.

TURNING MILL CONSULTANTS, INC.
INCORPORATED ENGINEERS
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

Structural Components
Bringing it All Together
11611 E 51ST AVE
DENVER, CO 80239
(866) 386-7622
JOB #: 160891

STAMP:
PRELIMINARY, NOT FOR CONSTRUCTION

The information contained in this set of documents is proprietary by nature, any use or disclosure other than that which relates to the client named is strictly prohibited.

| REVISIONS: | | | | |
|------------|------|-------------|----|---------|
| NO. | DATE | DESCRIPTION | BY | CHK APP |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

228 EDGARTOWN ROAD
VINEYARD HAVEN, MA 02558

S.S.T.
REINFORCEMENT

SPECIFICATIONS

S-1 0