



NEWPORT HISTORIC DISTRICT COMMISSION

DEPARTMENT OF ZONING & INSPECTIONS
43 Broadway, Newport, Rhode Island 02840
401.846.9600 (City Hall) 401.845.5357 (Preservation)

Check # 3166

Received by the Zoning and Inspections Department:

JAN 4 2021

\$50.00

HDC
FEB 8

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

Please complete this application in **BLACK** or **BLUE** ink only.
Illegible/incomplete applications will be returned to the applicant.
Hearing Dates and Filing Deadlines are posted at City Hall and www.cityofnewport.com.

GENERAL INFORMATION

PROPERTY ADDRESS: 16 Ochre Point Ave	Plat: 36	Lot: 021
Property Name (if any, including historic):	Original Date of Construction:	
APPLICANT (Legal Owner of Record): Salve Regina College	Telephone: 401-847-6650	
Mailing Address: 100 Ochre Point Ave, Newport, RI 02840	Email:	
LEGALLY AUTHORIZED REPRESENTATIVE: Verizon Wireless	Telephone: 781-227-1314	
Mailing Address: 118 Flanders Rd, Westborough, MA 01581	Email: cvaccaro@structureconsulting.net	

ADDITIONAL INFORMATION CHECKLIST

- ☒ Y ☐ N Is the application fee included? (See attached General Fee Schedule)
- ☐ Y ☒ N Is the property in condominium ownership? **If yes, proof of board or association approval must be attached.**
- ☐ Y ☒ N Is this application filed in response to a violation notice?
- ☐ Y ☒ N Is this application a modification of plans previously-approved (date(s) _____) by the HDC?
- ☐ Y ☒ N Does this project require other approvals? Zoning _____ CRMC _____ Other (describe): _____
- ☐ Y ☒ N Does access to the subject property require special arrangements? _____

SUMMARY OF PROPOSED WORK

Describe all proposed exterior alterations to the subject property here.

Do not leave this section blank.

Check off all applicable categories below.

Verizon Wireless antenna modification to existing rooftop installation.
See corresponding Building Permit application #127622.
See submitted plans for full details.

- Y ☒ N Repair/replacement of exterior architectural features?
- ☒ N Minor Alteration(s) – Any alteration(s) that replace existing building features or any new construction of less than 25% of the existing structure’s square footage?
- Y ☒ N Major Alteration(s) – Any addition(s) of more than 25% of an existing structure’s square footage or any new freestanding structure(s)?
- Y ☒ N New Construction?
- Y ☒ N Demolition?
- Y ☒ N Roof(s) or skylight(s)?
- Y ☒ N Window(s) or door(s)?
- Y ☒ N Porches or Entries?
- Y ☒ N Chimney(s)?
- Y ☒ N Foundation?
- Y ☒ N Mechanical and/or electrical equipment?
- Y ☒ N Shutters or awnings?
- Y ☒ N Sign(s)?
- Y ☒ N Pools and/or site structures?
- ☒ N Other? Describe: Telecommunications

REQUIRED APPLICATION MATERIALS

PLEASE READ CAREFULLY TO CONFIRM THAT ALL REQUIRED MATERIALS
ARE INCLUDED IN COMPLETED APPLICATION PACKET.

All HDC application materials must be submitted on 8.5x11 or 11x17 paper, single-sided, to facilitate
electronic scanning, posting and archiving.

10 COPIES OF EACH APPLICATION ARE REQUIRED.
1 DIGITAL COPY OF ALL MATERIALS SHOULD BE SUBMITTED TO
PRESERVATIONCOA@CITYOFNEWPORT.COM

☐ ☐ COMPLETED APPLICATION FORM AND 10 COPIES OF EACH REQUIRED MATERIAL
(PHOTOGRAPHS, DRAWINGS AND MATERIALS/PRODUCT LITERATURE/SAMPLES)
INCLUDED?

☐ ☐ PHOTOGRAPHS?
Ten (10) color copies of color photographs (4" x 6" or larger) clearly depicting current existing conditions
at the property are required for all applications. Include a minimum of one (1) street view of the property showing
any portions of the building(s) that are visible and a minimum of one (1) photograph of each elevation that will be affected
by the proposed work. **Photographs must be submitted on 8.5x11 or 11x17 paper. Prints are not accepted.**
Date and legal address of subject property should be indicated on all photographs. Including historic views of the subject
property is encouraged.

☐ ☐ DRAWINGS?
If drawings are required, one (1) original drawn scale set should be submitted along with ten (10) copies of
the original, reduced to fit on 8.5x11 or 11x17 paper. Drawings must include date, scale, cardinal points (N, S, E and
W) and proposed materials. If the application proposes modifications to a plans previously approved by the HDC, an
11x17 copy of the previously-approved drawings must be included along with new drawings depicting proposed
modifications. *Please note that applications for any major construction require drawings that meet professional standards.*

Elevation drawings are required for most projects and should show existing conditions and proposed alterations at all
elevations that will be affected by proposed work. (1/4" = 1' scale or larger for most residential-scale projects)

Elevation detail and cross section drawings are required for proposed projects (including new construction and major
alteration) that involve new or altered windows, doors, dormers, porches, trim elements and other new or altered
architectural features. (3/4" = 1' scale or larger)

Full scale details are required for certain proposed new architectural elements (moldings and other trim elements, for
example.)

Site plan is required for any alteration to existing building footprints, including proposed free-standing construction or
additions to existing buildings as well as for the addition of at-grade mechanical equipment. (1"=20' scale or larger)

Perspective drawings (or some other form of perspective depiction, such as photomontage) may be required
for proposed new free-standing construction or substantial alteration of existing buildings or sites.

☐ ☐ MATERIALS/PRODUCT LITERATURE/SAMPLES?
Ten (10) copies of product literature and/or manufacturer specification sheets for stock items should also be submitted.
Material samples are requested on a case-by-case basis, but are generally required for any proposed new construction or
substantial alteration of existing buildings.

SIGNATURE

I certify that (i) I am the Legal Owner of Record or legally authorized to sign on behalf of the property's Legal Owner
of Record and (ii) all of the information provided in and with this application is true and accurate to the best of my
knowledge.

Applicant Signature: Corey Vaccaro Date: 12/21/20

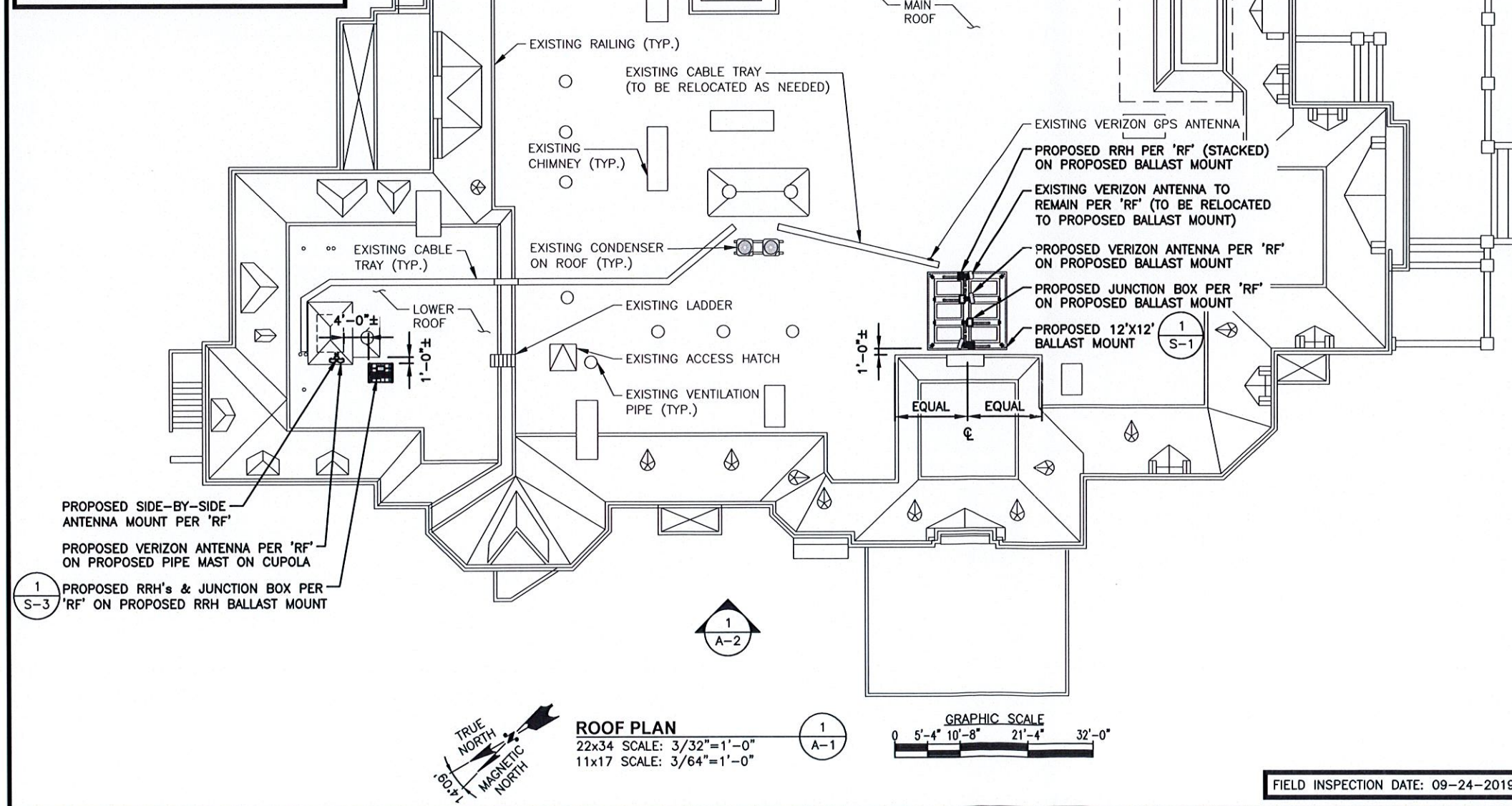
Applicant Printed Name: Corey Vaccaro



VICINITY MAP
SCALE: N.T.S.

APPROXIMATE LATITUDE: N41° 28' 25.6"
COORDINATES: LONGITUDE: W71° 17' 56.4"

NOTE:
AN ANALYSIS OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC.
DATED: FEBRUARY 11, 2020 (REV.3)



MOD LIST:

1. INSTALL NEW CUSTOM C10X20 CHANNEL NON-PENETRATING BALLAST MOUNT LOCATED ON THE ROOF (TOTAL OF 1 PER ALPHA/BETA SECTORS).
2. REMOVE EXISTING LAG BOLTS AND REPLACE WITH NEW 1/2" LAG BOLTS SECURED TO NEW/EXISTING UNISTRUT COMPONENTS (TOTAL OF 12 PER GAMMA SECTOR).

SCOPE

1. EXISTING (5) ANTENNAS TO BE REMOVED, EXISTING (1) ANTENNA TO REMAIN, INSTALL (4) PROPOSED ANTENNAS PER 'RF'.
2. INSTALL (1) SIDE-BY-SIDE ANTENNA MOUNT PER 'RF'.
3. ALL EXISTING RRH'S TO BE REMOVED, INSTALL (6) PROPOSED RRH'S PER 'RF'.
4. INSTALL (3) PROPOSED JUNCTION BOXES PER 'RF'.
5. INSTALL (3) PROPOSED HYBRID CABLES PER 'RF'.
6. ALL EXISTING COAX CABLES TO REMAIN PER 'RF'.
7. ALL REPLACEMENT ANTENNAS TO MATCH EXISTING CONDITION & HEIGHTS.
8. RECONFIGURE/RELOCATE EXISTING ANTENNA MOUNTS AS NECESSARY TO ACCOMMODATE HORIZONTAL SEPARATION, PROPOSED AZIMUTHS, AND ANTENNAS CONFIGURATION.

NEW ANTENNA CONFIGURATION

NOTE TO GENERAL CONTRACTOR:

'RF' DESIGN AND EQUIPMENT IS BASED UPON RFDS ISSUED BY VZW DATED: FEBRUARY 06, 2020 REVISION #6.

THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.

NOTES

1. NORTH SHOWN AS APPROXIMATE.
2. SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
3. ANTENNAS WILL BE CAMOUFLAGED WITH 3M WRAP, AS NEEDED, PER VERIZON WIRELESS AND BUILDING OWNER'S APPROVAL.
4. PRIOR TO COMMENCEMENT OF ANY WORK, PROPOSED ANTENNA INSTALLATION IS PURSUANT TO FINDINGS DICTATED IN STRUCTURAL ANALYSIS. STRUCTURAL ANALYSIS TO VERIFY CAPACITY OF EXISTING STRUCTURE TO ENSURE STRUCTURAL INTEGRITY FOLLOWING INSTALLATION OF PROPOSED ANTENNAS, COAX CABLES AND REQUIRED HARDWARE. COPY OF STRUCTURAL ANALYSIS TO BE SENT TO DESIGN ENGINEER.
5. CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, VERIZON WIRELESS ANTENNA MOUNT LOCATION AND ANTENNAS TO BE INSTALLED.
6. CONTRACTOR SHALL NOTIFY ENGINEERS IF FIELD CONDITIONS DIFFER FROM DESIGN.
7. RAD CENTERS MEASURE IN THE FIELD WITH LASER BY HDG. RAD CENTERS MAY NOT MATCH RF ANTENNA DESIGN SHEET.

ANTENNA ORIENTATION



PREPARED FOR:

verizon

118 FLANDERS ROAD
WESTBROOK, MA 01581

HDG
HUDSON
Design Group LLC

45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845

TEL: (978) 557-5553
FAX: (978) 336-5586

DANIEL P. HAMM

REGISTERED PROFESSIONAL ENGINEER
No. 8135

CHECKED BY: JK
APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:
NEWPORT SOUTH RI

SITE ADDRESS:
16 OCHRE POINT AVENUE
NEWPORT, RI 02840

SHEET TITLE
ROOF PLAN

SHEET NUMBER
A-1

FIELD INSPECTION DATE: 09-24-2019

NOTE:

AN ANALYSIS OF THE CAPACITY OF THE
EXISTING STRUCTURE TO SUPPORT THE
PROPOSED LOADING HAS BEEN COMPLETED
BY: HUDSON DESIGN GROUP, LLC.
DATED: FEBRUARY 11, 2020 (REV.3)

PROPOSED ANTENNA INFORMATION

SECTOR	STATUS	AZIMUTH	CABLE LENGTH
ALPHA	PROPOSED	50'	190'
BETA	PROPOSED/EXISTING	200'	190'
GAMMA	PROPOSED	300'	240'

NOTE: CABLE LENGTH = EXACT LENGTH PLUS 25'.
CONTRACTOR TO VERIFY CABLE LENGTH PRIOR TO ORDERING.

PREPARED FOR:

verizon

118 FLANDERS ROAD
WESTBOROUGH, MA 01581

HG
HUDSON
Design Group LLC

45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5566

DANIEL P. HAMM

No. 8135

REGISTERED
PROFESSIONAL ENGINEER
FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED
AND SIGNED INITIAL DATE LISTED HEREIN

CHECKED BY: JK

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:
NEWPORT SOUTH RI

SITE ADDRESS:
16 OCHRE POINT AVENUE
NEWPORT, RI 02840

SHEET TITLE
ELEVATION

SHEET NUMBER
A-2



ELEVATION

22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

1
A-2

GRAPHIC SCALE



APPROXIMATE LOCATION OF EXISTING
VERIZON LEASE AREA IN BASEMENT

STRUCTURAL NOTES:

1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
7. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
9. FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND D.I.I. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL". 14TH EDITION.
11. INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
12. UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS. AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
14. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
15. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
16. WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
17. ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
18. NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
19. SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):

GENERAL: WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

SPECIAL INSPECTION CHECKLIST

BEFORE CONSTRUCTION

CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	ENGINEER OF RECORD APPROVED SHOP DRAWINGS ¹
REQUIRED	MATERIAL SPECIFICATIONS REPORT ²
N/A	FABRICATOR NDE INSPECTION
REQUIRED	PACKING SLIPS ³

ADDITIONAL TESTING AND INSPECTIONS:

DURING CONSTRUCTION

CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS ⁴
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION ⁵
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT

ADDITIONAL TESTING AND INSPECTIONS:

AFTER CONSTRUCTION

CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
REQUIRED	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS ⁶
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
REQUIRED	PHOTOGRAPHS

ADDITIONAL TESTING AND INSPECTIONS:

NOTES:

1. REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL.

2. PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.

3. PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.

4. HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C,D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.

5. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.

6. AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

NOTES:

1. ALL CONNECTIONS TO BE SHOP WELDED & FIELD BOLTED USING 3/4" A325-X BOLTS, UNLESS OTHERWISE NOTIFIED.

2. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED BEFORE ORDERING MATERIAL.

3. SHOP DRAWING ENGINEER REVIEW & APPROVAL REQUIRED PRIOR TO STEEL FABRICATION.

4. VERIFICATION OF EXISTING ROOF CONSTRUCTION IS REQUIRED PRIOR TO THE INSTALLATION OF THE ROOF PLATFORM. ENGINEER OF RECORD IS TO APPROVE EXISTING CONDITIONS IN ORDER TO MOVE FORWARD.

5. CENTERLINE OF PROPOSED STEEL PLATFORM SUPPORT COLUMNS TO BE CENTRALLY LOCATED OVER THE EXISTING BUILDING COLUMNS.

6. EXISTING BRICK MASONRY COLUMNS/BEARING TO BE REPAIRED/REPLACED AT ALL PROPOSED PLATFORM SUPPORT POINTS. ENGINEER OF RECORD TO REVIEW AND APPROVE.

PREPARED FOR:

verizon

118 FLANDERS ROAD
WESTBOROUGH, MA 01581

HG

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45 BEECHWOOD DRIVE
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TEL: (978) 557-5553
FAX: (978) 336-5586

DANIEL P. HAMM

No. 8135

REGISTERED

PROFESSIONAL ENGINEER

MASSACHUSETTS

EXPIRATION DATE LISTED HEREIN

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:

NEWPORT SOUTH RI

SITE ADDRESS:

16 OCHRE POINT AVENUE
NEWPORT, RI 02840

SHEET TITLE

STRUCTURAL NOTES
&
SPECIAL INSPECTIONS

SHEET NUMBER

SN-1

PROPOSED $\angle 3" \times 3" \times 3/8"$ 6" LONG
W/ $3/4"$ A325-X BOLTS (TYP.)

PROPOSED 3" STD (2) PIECE PIPE MAST
(3.5" O.D.) 7'-11" TOTAL LENGTH W/
 $3-1/2"$ $1/4"$ THK. PIPE CAP &
(2) $6-1/2" \times 6-1/2" \times 3/8"$ CONNECTION PLATES
(TOTAL OF 4)

PROPOSED $5/8"$ A325-X BOLTS
(TYP.)

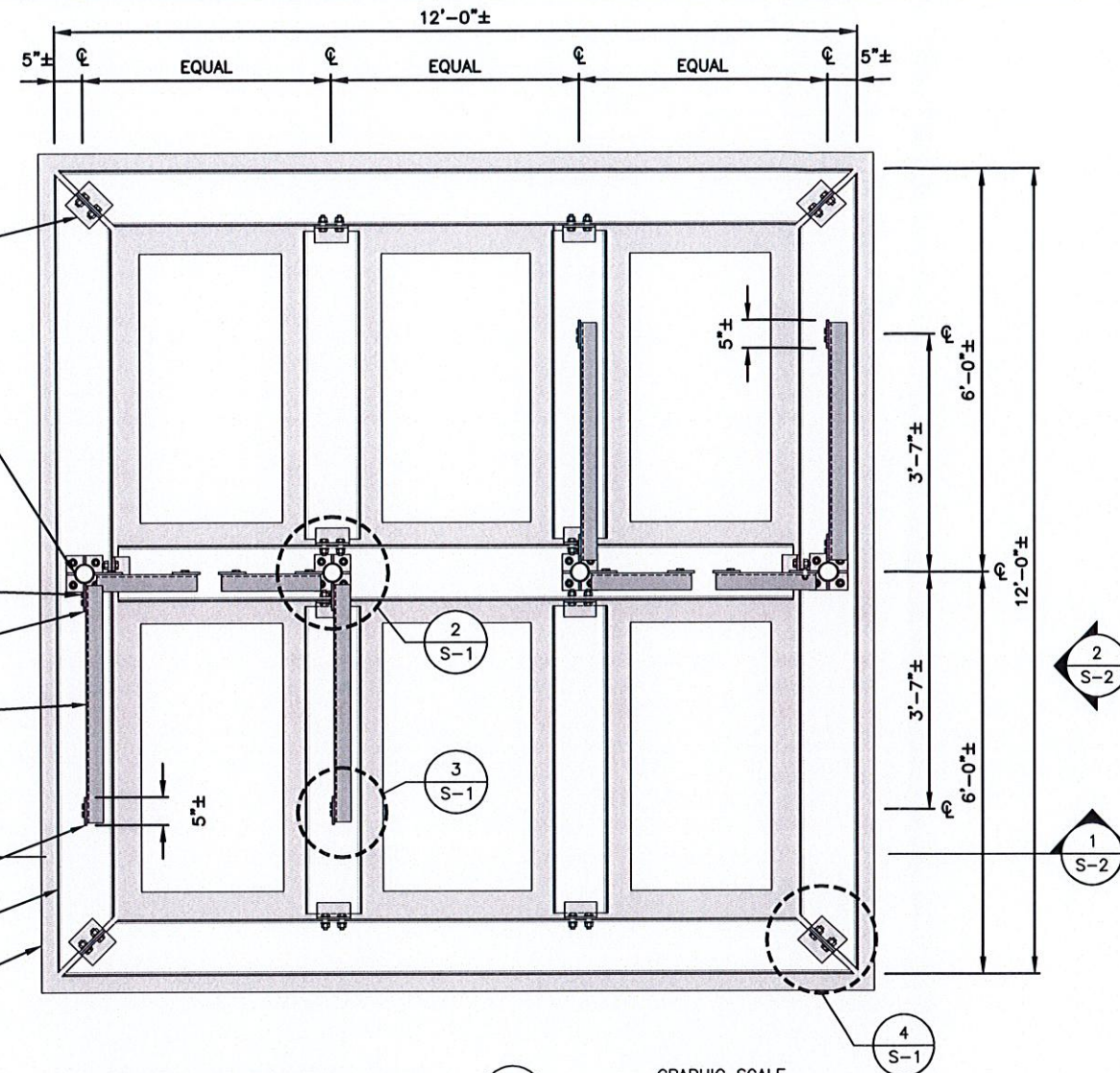
PROPOSED $5" \times 5" \times 3/8"$ PLATE (TYP.)

PROPOSED $\angle 3" \times 3" \times 3/8"$ (TYP.)

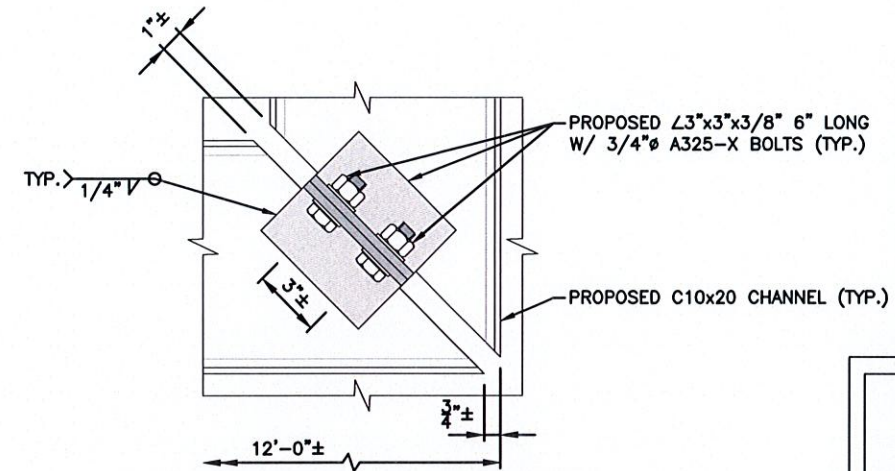
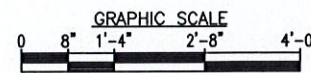
PROPOSED $5" \times 5" \times 3/8"$ PLATE (TYP.)

PROPOSED C10x20 CHANNEL (TYP.)

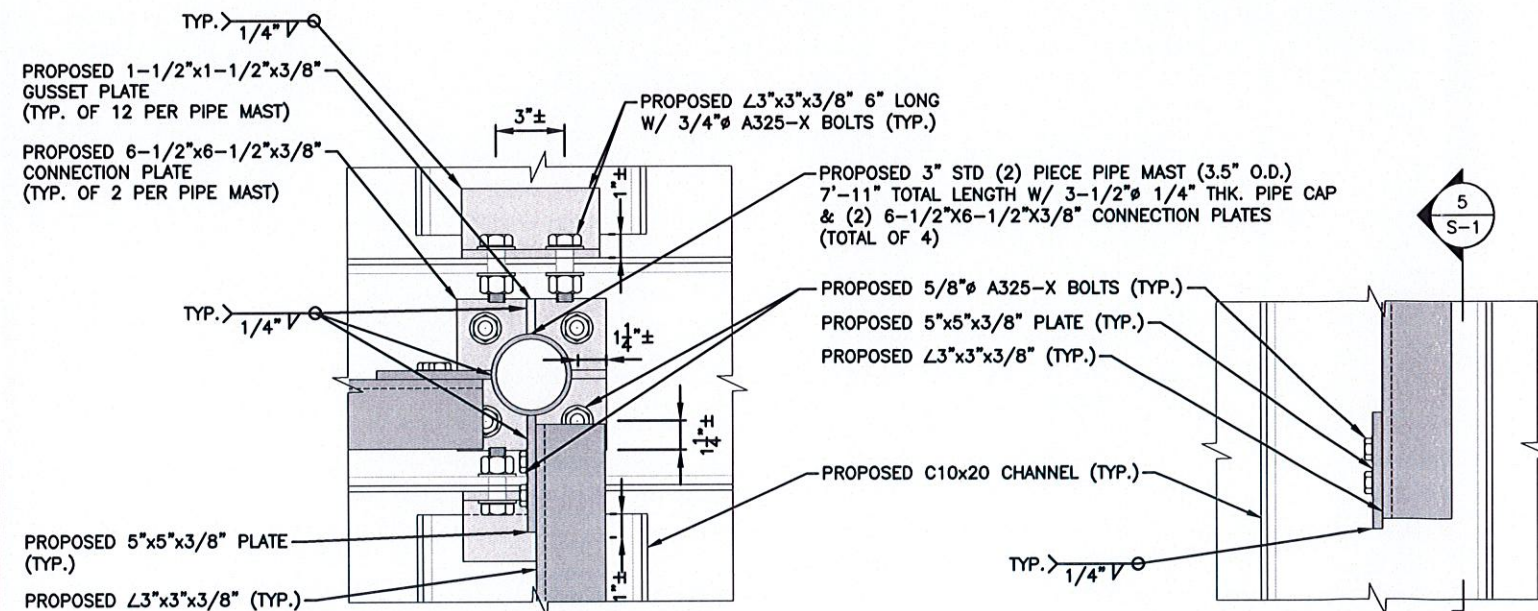
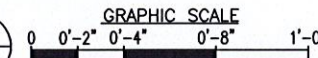
$1/2"$ THICK RUBBER MAT ADHERED
TO BOTTOM OF CHANNEL
APPROVED BY LANDLORD AND
ROOF MANUFACTURER (TYP.)



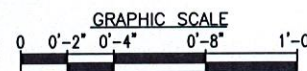
12'x12' BALLAST MOUNT - PLAN
22x34 SCALE: $3/4"=1'-0"$
11x17 SCALE: $3/8"=1'-0"$



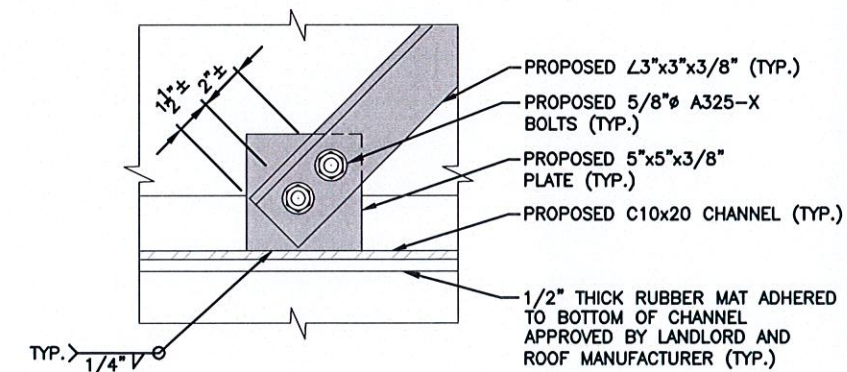
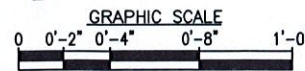
CONNECTION DETAIL 4
22x34 SCALE: $3"=1'-0"$
11x17 SCALE: $1-1/2"=1'-0"$



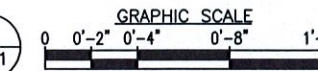
CONNECTION DETAIL 2
22x34 SCALE: $3"=1'-0"$
11x17 SCALE: $1-1/2"=1'-0"$



CONNECTION DETAIL 3
22x34 SCALE: $3"=1'-0"$
11x17 SCALE: $1-1/2"=1'-0"$



CONNECTION DETAIL 5
22x34 SCALE: $3"=1'-0"$
11x17 SCALE: $1-1/2"=1'-0"$



PREPARED FOR:
verizon
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

HG
HUDSON
Design Group LLC
45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

DANIEL P. HAMM

No. **8135**

REGISTERED
PROFESSIONAL ENGINEER
FOR SIX
MONTHS AFTER ENGINEER OF RECORD'S STAMPED
AND SIGNED EXPIRATION DATE LISTED HEREIN

CHECKED BY: **JK**

APPROVED BY: **DPH**

SUBMITTALS

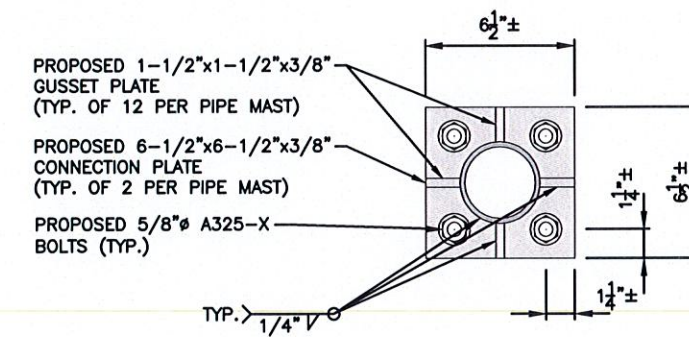
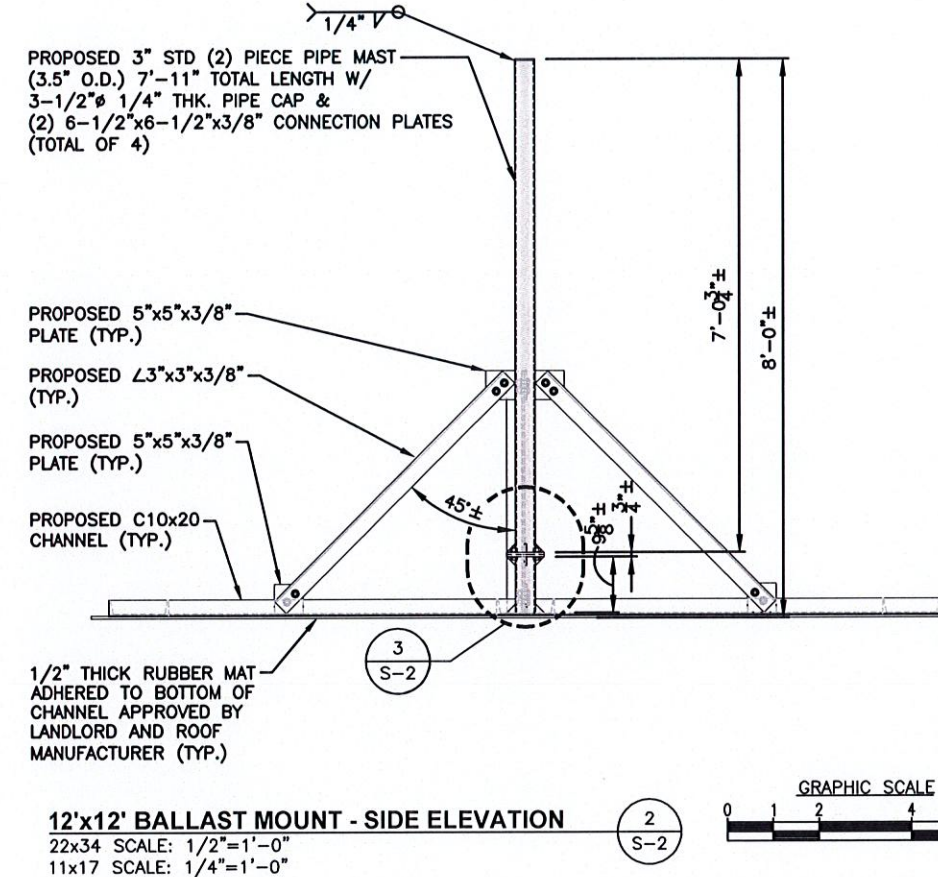
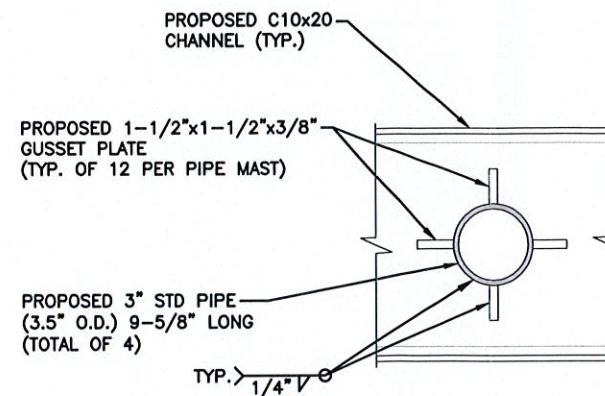
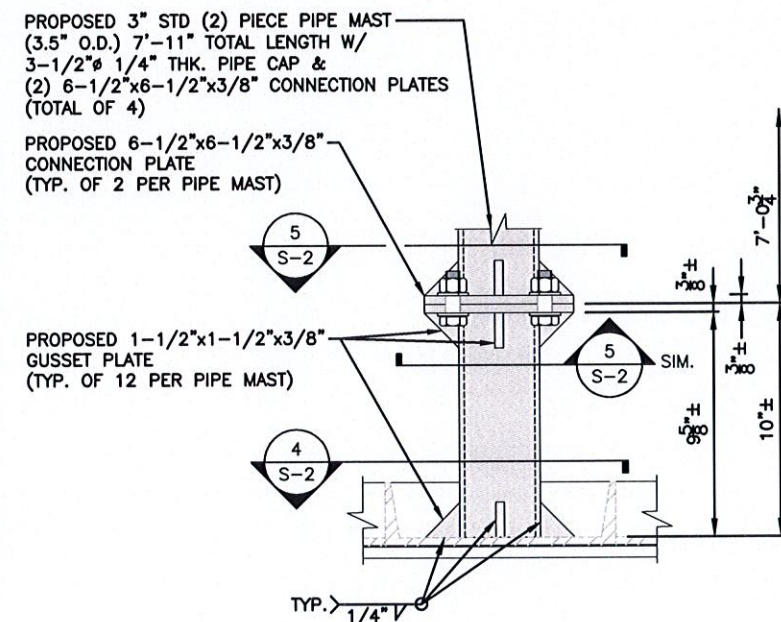
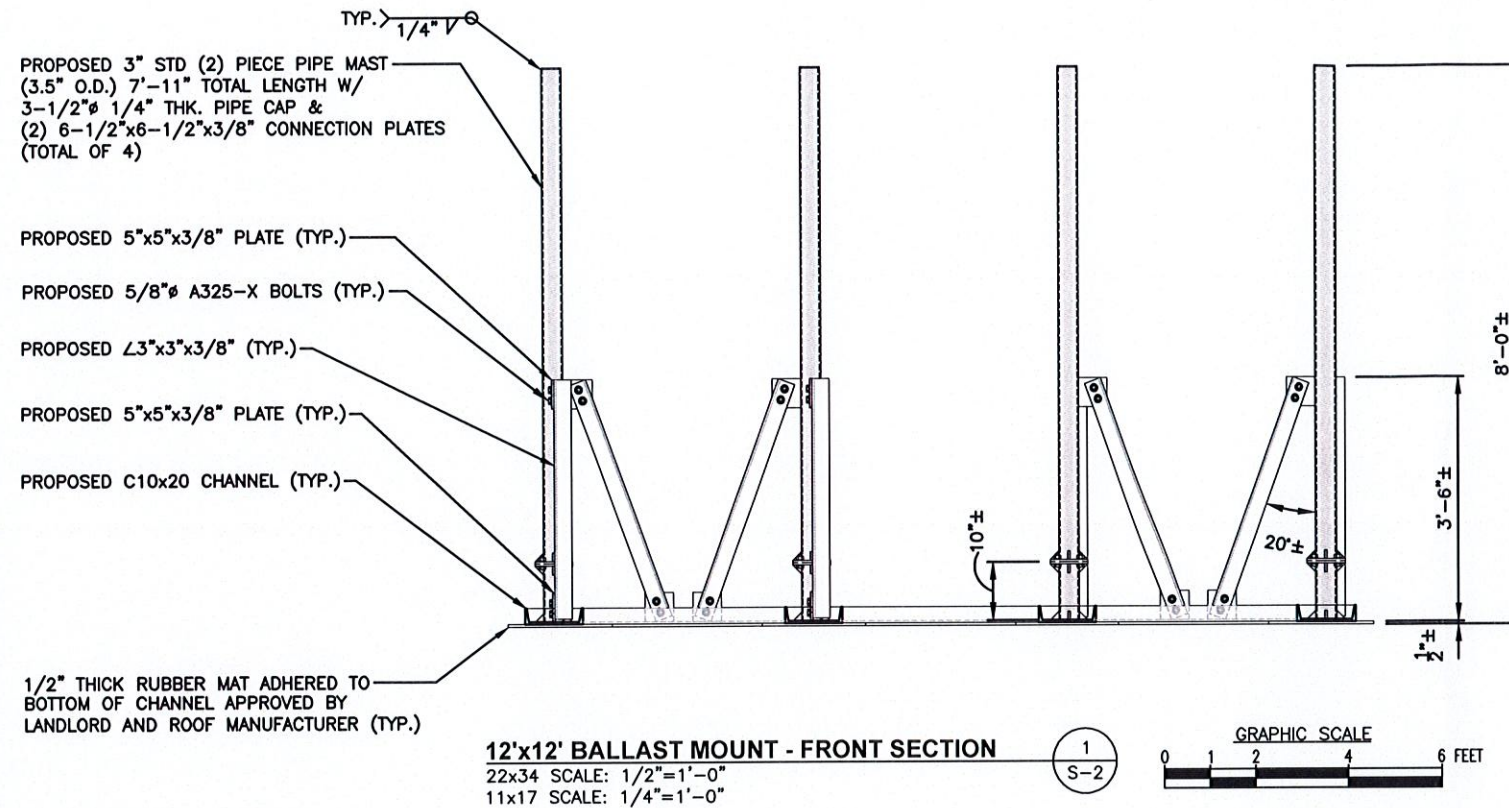
REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:
NEWPORT SOUTH RI

SITE ADDRESS:
**16 OCHRE POINT AVENUE
NEWPORT, RI 02840**

SHEET TITLE
**12'x12' BALLAST
MOUNT FRAMING
PLANS & DETAILS**

SHEET NUMBER
S-1



PREPARED FOR:

verizon

118 FLANDERS ROAD
WESTBOROUGH, MA 01581

HG
HUDSON
Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553
N. ANDOVER, MA 01845 FAX: (978) 336-5586

DANIEL P. HAMM

No. 8135

REGISTERED
PROFESSIONAL ENGINEER
(CIVIL)

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:

NEWPORT SOUTH RI

SITE ADDRESS:

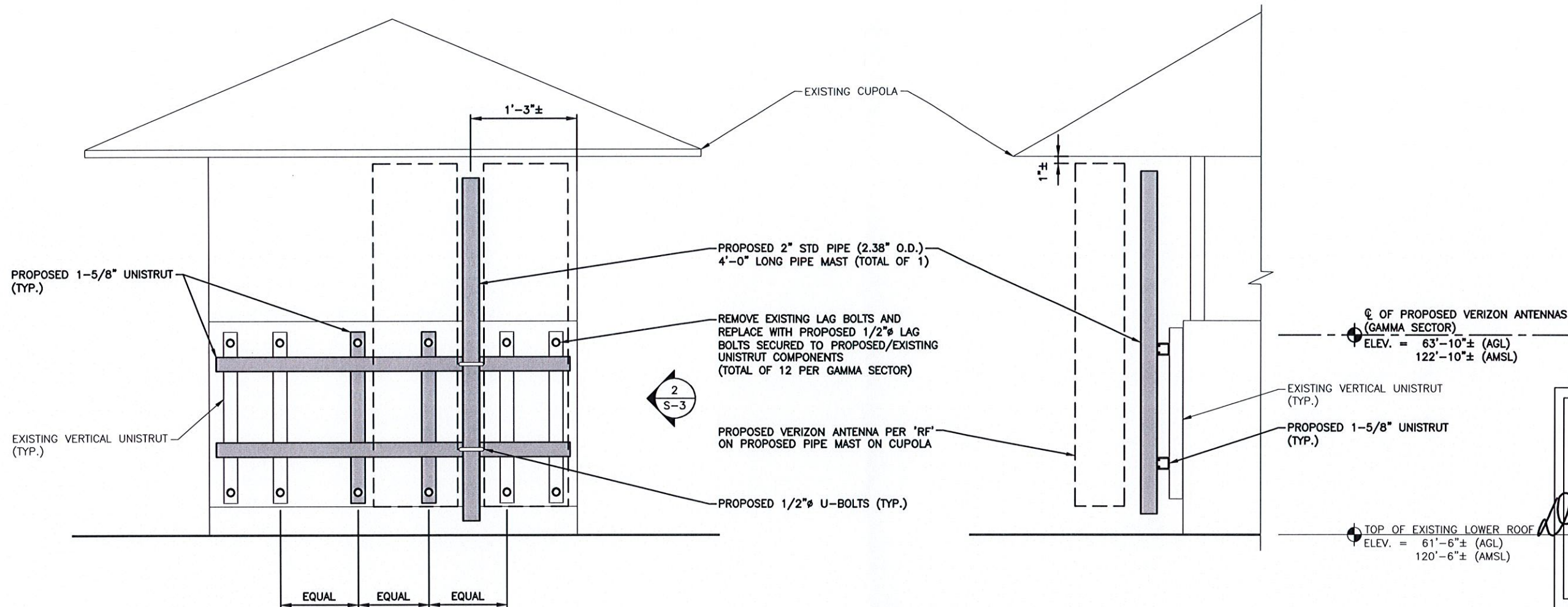
16 OCHRE POINT AVENUE
NEWPORT, RI 02840

SHEET TITLE

12'x12' BALLAST
MOUNT FRAMING
SECTION & DETAILS

SHEET NUMBER

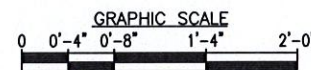
S-2



**PIPE MAST SUPPORT ELEVATION
(GAMMA SECTOR)**

22x34 SCALE: 1-1/2"=1'-0"
11x17 SCALE: 3/4"=1'-0"

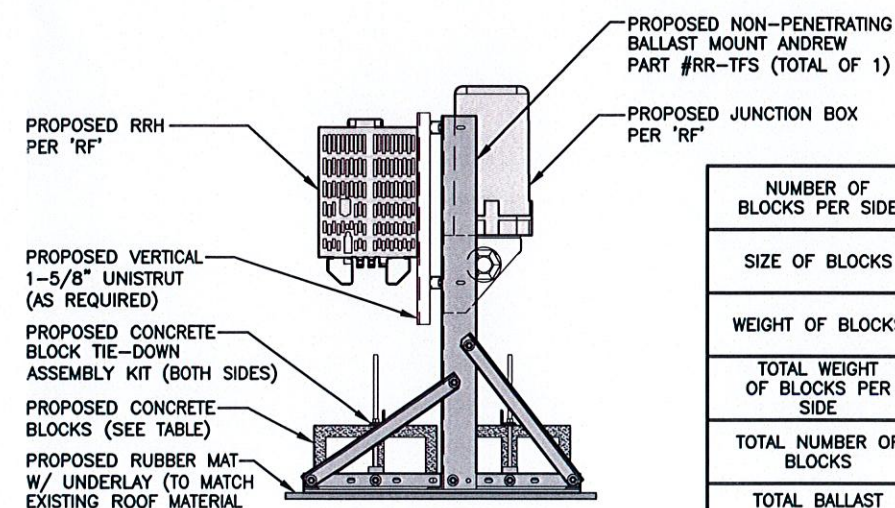
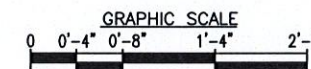
1
S-3



**PIPE MAST SUPPORT SECTION
(GAMMA SECTOR)**

22x34 SCALE: 1-1/2"=1'-0"
11x17 SCALE: 3/4"=1'-0"

2
S-3



NUMBER OF BLOCKS PER SIDE	2
SIZE OF BLOCKS	4"x8"x16" (SOLID)
WEIGHT OF BLOCKS	38 lbs. EACH
TOTAL WEIGHT OF BLOCKS PER SIDE	76 lbs.
TOTAL NUMBER OF BLOCKS	4
TOTAL BALLAST WEIGHT	152 lbs.

BALLAST MOUNT EQUIPMENT DETAIL
SCALE: N.T.S.

3
S-3

PREPARED FOR:

verizon

118 FLANDERS ROAD
WESTBOROUGH, MA 01581

HG
HUDSON
Design Group LLC

45 BEECHWOOD DRIVE
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TEL: (978) 557-5553
FAX: (978) 336-5586

DANIEL P. HAMM

No. 8135

Daniel P. Hamm
REGISTERED PROFESSIONAL ENGINEER
MAJOR SIX MONTHS AFTER EXPIRATION OF RECORDS STAMPED AND SIGNED INITIAL DATE LISTED HEREIN

CHECKED BY: JK

APPROVED BY: DPH

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
2	02/25/20	REVISED PER COMMENTS	SF
1	01/31/20	REVISED PER COMMENTS	OS
0	11/22/19	FOR CONSTRUCTION	OS

SITE NAME:
NEWPORT SOUTH RI

SITE ADDRESS:
16 OCHRE POINT AVENUE
NEWPORT, RI 02840

SHEET TITLE
DETAILS

SHEET NUMBER
S-3