



Truro Select Board

Tuesday, April 26, 2022

Regular Meeting-5:00pm

REGULAR MEETING

<https://meet.goto.com/186545701>

1-866-899-4679 Access Code: 186-545-701

This will be a remote meeting. Citizens can view the meeting on Channel 18 in Truro and on the web on the "Truro TV Channel 18" button under "Helpful Links" on the homepage of the Town of Truro website. Click on the green "Watch" button in the upper right of the page. **To provide comment during the meeting please call in toll free at 1-866-899-4679 and enter the following access code when prompted: 186-545-701 or you may join the meeting from a computer, tablet or smartphone by entering the follow URL into your web browser:**

<https://meet.goto.com/186545701> Please note that there may be a slight delay (15-30 seconds) between the meeting and the live-stream (and television broadcast). If you are watching the meeting and calling in, please lower the volume on your computer or television during public comment so that you may be heard clearly. We ask that you identify yourself when calling in to help us manage multiple callers effectively.

1. PUBLIC COMMENT

2. PUBLIC HEARINGS - NONE

3. BOARD/COMMITTEE/COMMISSION APPOINTMENTS - NONE

4. STAFF/ COMMITTEE UPDATES

- A. Staff Report on Upcoming Summer Season: Damion Clements, Recreation & Beach Director/ Interim Council on Aging Director
- B. Board/Committee Report: Dan Smith, Chair of the Shellfish Advisory Committee
- C. Town Manager Report on Notification of Change to Newspaper of General Circulation for Legal and Employment Ads: Darrin Tangeman, Town Manager

5. TABLED ITEMS

6. SELECT BOARD ACTION

- A. Presentation of Select Board Goals and Objectives Update
Presenter: Darrin Tangeman, Town Manager
- B. Truro Talks Newsletter-Discussion Only
Presenter: Sue Areson
- C. Assign Motions for Town Meeting
Presenter: Robert Weinstein, Chair
- D. Eagle Neck Creek Culvert Replacement USDA Assurances
Presenter: Jarrod Cabral, DPW Director
- E. Truro Center Road Safety Precautions Proposal-Discussion Only
Presenter: Jarrod Cabral, DPW Director

7. CONSENT AGENDA

- A. Review/Approve and Authorize Signature:
 - 1. Consent Letters from Crown Castle for Cell Tower Work at 344 Route 6
 - 2. One Day Weekdays and Sundays Entertainment Licenses for Truro Vineyards
- B. Review and Approve Appointment Renewals: None

C. Review and Approve 2022 Seasonal Business Licenses: Terra Luna Restaurant-Common Victualer,

D. Review and Approve Select Board Minutes: None

8. Select Board Reports/Comments

9. Town Manager Report

10. Next Meeting Agenda: Regular Meeting-May 11 (Wednesday), 2022



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Recreation & Beach/Council on Aging

REQUESTOR: Damion Clements, Rec. & Beach Director/Interim COA Director

REQUESTED MEETING DATE: April 26, 2022

ITEM: Staff Report on Upcoming Summer Season

EXPLANATION: Recreation & Beach Director & Interim Council on Aging Director Damion Clements will give the Select Board updates on seasonal hiring for the Recreation & Beach Department, summer programming updates, status of the full-time permanent positions for the Recreation & Beach and Council on Aging departments and what is expected in the future for programming.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: N/A

SUGGESTED ACTION: None, discussion only.

ATTACHMENTS:



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Kristen Reed Vice-Chair and Susan Areson Clerk

REQUESTED MEETING DATE: April 26, 2022

ITEM: Committee Updates-Shellfish Advisory Committee

EXPLANATION: The Shellfish Advisory Committee Chair, Dan Smith, will speak briefly with the Select Board Members on the board's questions.

Name of Committee/Board:

Date of Presentation:

Number of Members:

Number of Vacancies:

Accomplishments for the past 12 months:

Goals for the next 12 months:

Status of goals:

Challenges in Achieving Goals:

Support required from the Select Board/Town Manager:

SUGGESTED ACTION: Discussion only



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: April 26, 2022

ITEM: Town Manager Report on Notification of Change to Newspaper of General Circulation for Legal and Employment Ads

EXPLANATION: Due to increase in rates for legal advertisements, staff conducted an analysis of local newspapers to examine costs of advertising, subscribership/ circulation numbers and printing deadlines. Based on this analysis, and to keep costs of advertising within the budget while still reaching a broad local audience, the Town will now use the Provincetown Independent as its primary newspaper of general circulation for legal and employment advertisements. A secondary paper, the Cape Cod Times, may be used as an alternative for advertisements requiring faster posting to comply with time constraints and/or for employment advertisements that require a wider audience for recruitment efforts.

This agenda item will serve as a courtesy notification of the new operational practice of using the Provincetown Independent and, alternatively, the Cape Cod Times, as the newspaper of general circulation for legal and employment ads. All Town departments and boards and committees will be notified of this change so that they can adhere to this practice.

FINANCIAL SOURCE (IF APPLICABLE): Various budgets throughout the omnibus budget include 5200 (services) line items for posting employment and legal ads.

SUGGESTED ACTION: None, discussion only.

ATTACHMENTS:



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: April 26, 2022

ITEM: Presentation of Select Board Goals and Objectives Update

EXPLANATION: At the October 12, 2021 meeting, the Select Board approved the FY2022 Goals & Objectives. Staff has prepared a brief update on the current status of the objectives and some suggested actions to encourage progress on the objectives. The attached document provides a starting point for discussion by the Board. Board members may have alternative ideas for addressing these objectives or may wish to brainstorm as a group to determine the best plan of action.

The Ambassadors identified for these objectives are included on the attached document. During this discussion, Ambassadors should help identify the best path forward for their objective and any resources that may be needed. Moving forward, Ambassadors should help monitor and promote progress on the objectives.

In the interest of time, only those objectives that Board members wish to comment on will be discussed. Below are some highlights of the progress made to date:

- Letter sent to the County requesting ARPA funds for prioritized projects in Truro including broadband, wastewater and affordable housing. (*Objective 1*)
- Override presented for (4) firefighter/ paramedics at 2022 Town Meeting and Town Election ballot. EMS Study complete. Report will be presented tonight. (*Objective 5*)
- A round table session on housing was led by Ambassador Areson in March that included the chairs of the Planning Board, the Zoning Board of Appeals, and the Truro Housing Authority, plus the Town Manager and the Town Planner/ Land Use Counsel. The group determined the framework for collaboration in the future. (*Objective 7*)
- Data for Classification & Compensation Study is collected and analysis is underway.

Report expected to be finalized in late April or May. *(Objective 8)*

- An article is included on the 2022 Annual Town Meeting Warrant to accept MGL c. 44, s.55C. *(Objective 10)*
- Digitization efforts continued. Town Clerk Fullerton submitted grants for digitization and records storage to the CPC and the Community Compact Grant Program. Digitization efforts included in the 2022 Annual Town Meeting Warrant: Clerk/ Planning record digitization, additional financial transparency and budgeting software modules, building permit software, and CPA request for digitizing Town records. *(Objective 13)*
- Voucher Program administration procured and in first half of year 8 children were approved for vouchers (6 residents and 2 Town of Truro employees' children). Applications for the second half of the year are in. Two 2022 Annual Town Meeting articles are submitted by the Select Board to continue the program for another year in an expanded age capacity and to expand the program to children of Truro business owners and staff. *(Objective 15)*
- The Talk to Us, Truro Community Survey culminated in a joint meeting to review the survey results in April, which was very productive and collaborative. Staff anticipates that chairs of LCP, WPCPC, EDC, and Housing Authority will work together in some capacity moving forward. *(Objectives 17 and 18)*
- Staff secured revised cost estimates for the DPW Facility and presented on three locations to the Select Board so that the Board can make a determination of the best location for the facility. *(Objective 20)*

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: N/A

SUGGESTED ACTION: Discussion only.

ATTACHMENTS:

1. FY2022 Goals and Objective Progress and Plan of Action

Obj. #	Objective	Goal(s) Addressed	Select Board Ambassador	Present Status	Next Steps
1	<i>The Select Board will write a letter to the Cape Cod Commission providing an accurate report of the inadequacy of internet services and requesting funding and support to resolve the infrastructure deficiency by December 1, 2021.</i>	A, D, E	John Dundas	Member Dundas presented a letter to the County requesting ARPA funds for prioritized projects in Truro including broadband, wastewater and affordable housing at the December 14, 2021 Select Board meeting.	SUBSTANTIALLY COMPLETE
2	<i>The Select Board will support and encourage projects that protect and restore our coastal environment including these current and ongoing projects: A) Pamet River Tidal Flow Restoration and Watershed Study B) East Harbor Culvert Replacement C) Mill Pond and Eagle Creek Repairs and Improvement D) Little Pamet Watershed Study and Culvert Repair E) Coastal Management</i>	C	Stephanie Rein	A) Site investigation and preliminary design analysis complete. Waiting for final approval from Cape Cod Conservation District for funding the next phase of engineering. B) MIG has completed the culvert replacement phase of the project. Next will be the repairs of the two gate chambers. Water flow from Moon Pond and East Harbor is scheduled to resume next Monday. Work is scheduled to be completed June 2022. C) Eagle Neck Creek Culvert replacement and salt marsh restoration is still under construction and is scheduled to be completed by mid-June. The roadway is schedule to be open late May/early June. Mill Pond paid for by DER. Mill Pond is currently in phase two of engineering which includes design alternatives for the culvert replacement. Permitting and outreach to follow. D) All preliminary analyses are complete. Next phase is final design analysis, permitting and outreach. Funding for the next phase is currently under discussion with DER and the USDA. E) Coastal Studies compiled an inventory of the low lying roads in the 4 town project area as a geospatial data layer in the Shoreline Management geodatabase. Data layer will be truthed locally by staff from each town. The Center for Coastal Studies is completing the second year of the second CZM Coastal Resiliency grant for our 4 Town Shorefront Management project with a plan for how the Towns will use the "Intermunicipal Shoreline Management geodatabase" (ISMG). The municipal staff team is formulating plans to apply for a third grant application to include development of access agreements for the ISMG, Resource area cell management planning, and implementation of the sand-banking system. The team is also looking at other grant sources to develop an organizational framework for the management plan itself.	As part of the quarterly update process, include a brief presentation from Public Works Director Cabral/ Health & Conservation Agent Beebe on the agenda to report on progress of projects. Staff is managing the progress of these projects. There will likely be an opportunity for a Coastal Management presentation in May/ June 2022 for updates and to discuss next steps in Coastal Management process. DPW Director also continues to post updates on environmental projects to the website on a bi-weekly basis.
3	<i>The Select Board will review all Town owned land to assess possibilities for municipal use, housing, economic development open space, and/or possible disposition to be completed by the end of FY2022.</i>	A, B	Kristen Reed	Principal Assessor developed a list of properties.	Schedule a Work Session to begin discussions about best uses and additional information needed.
4	<i>Upon completion of the Local Comprehensive Plan, the Select Board and Town Manager will work jointly to create a Town mission statement. (Continued into FY2023)</i>	D	Susan Areson	No progress--FY2023 Objective	Begin process in winter/spring 2023 (LCP to go to 2023 Annual Town Meeting)
5	<i>To maintain vital EMS services on the Outer Cape the Select Board will support a local and regional analysis of options and if needed develop proposals to present at the 2022 Annual Town Meeting.</i>	D, E	Robert Weinstein	Override presented for (4) firefighter/ paramedics at 2022 Town Meeting and Town Election ballot. Study complete. Report will be presented at April 12, 2022 Select Board Meeting.	A work session may be held after Annual Town Election to discuss next steps based on outcome of the Election and the recommendations of the report.
6	<i>The Select Board will submit a letter each to the Planning Board and the Economic Development Committee by the end of FY2022 outlining the Select Board's priorities in housing, zoning, land use and economic development in an effort facilitate collaboration and joint efforts.</i>	A, B, C	John Dundas	No progress	A work session will be held in spring 2022 to discuss these priorities and to outline a letter that will be drafted by the Ambassador and will be presented to the Board for review and discussion at a subsequent meeting.
7	<i>The Select Board will annually hold joint work sessions with participation from the Truro Housing Authority, Planning Board and Zoning Board of Appeals to develop housing initiatives that will diversify the range of seasonal, year-round and transitional housing for people of varying income levels. The Select Board will provide an update on these efforts by the end of FY 2022.</i>	B, D	Susan Areson	A round table session was led by Ambassador Areson in March that included the chairs of the Planning Board, the Zoning Board of Appeals, and the Truro Housing Authority, plus the Town Manager and the Town Planner/ Land Use Counsel. The group determined the framework for collaboration in the future.	Round tables will continue so that any proposed 2023 Town Meeting articles can be prepared and/or discussed.
8	<i>To improve Town employee recruitment and retention the Select Board will support and actively participate in a comprehensive compensation analysis and then implement and integrate the findings and recommendations in the budgeting process for FY 2023</i>	A, D	Kristen Reed	Data is collected and analysis is underway. Report expected to be finalized in late April or May.	Following the presentation of results, Select Board may wish to hold a meeting to discuss implementation.
9	<i>The Select Board will rework, update and set clearer objectives in Policy 54 and Policy 31, and will work to enhance compliance.</i>	E	Susan Areson	Preliminary discussions held at Board Meetings.	Ambassador will work with Staff to draft revised policies and to identify potential ways to increase compliance.
10	<i>The Select Board will explore the creation of a Municipal Housing Trust under MGL c. 44 s.55C and if agreed, prepare an article for approval at Town Meeting.</i>	A, B, D, E	Kristen Reed	An article is included on the 2022 Annual Town Meeting Warrant to accept MGL c. 44, s.55C.	SUBSTANTIALLY COMPLETE
11	<i>The Select Board will promote the Local Comprehensive Planning Committee and process along with the work of the Economic Development Committee and encourage community participation and will provide regular updates.</i>	A, D	Susan Areson	Ambassador regularly attends meetings of the LCPC and EDC and provides updates.	Ambassador will continue current efforts.

12	<i>The Select Board will provide support to and collaborate with the Climate Action Committee and the Energy Committee in the creation of a Climate Action Plan for the Town of Truro, as well as to work with the Climate Action Committee to develop a policy memorandum that facilitates and guides progress in all relevant areas toward a "Net Zero Truro" by 2050, and will ask for updates at least twice per year.</i>	A, C, D, E	Stephanie Rein	A Work Session with the CAC was held on October 8, 2021. The CAC drafted a list of objectives from the Workshop.	Ambassador will work with CAC to draft a policy memorandum that will be presented to the Select Board for review and discussion.
13	<i>The Select Board will provide resources in the FY2023 budget to increase the digitization of town services and records, and address cybersecurity and will lay the groundwork for a five-year digitization and cyber security plan that will be initiated in FY2024.</i>	A, D, E	John Dundas	Town Clerk Fullerton submitted grants for digitization and records storage to the CPC and the Community Compact Grant Program. Digitization efforts included in the 2022 Annual Town Meeting Warrant: Clerk/ Planning record digitization, additional financial transparency and budgeting software modules, building permit software, and CPA request for digitizing Town records.	In spring 2022, department heads will identify department functions that are digitized and will prioritize areas that should be digitized in the future.
14	<i>Through the Town of Truro representatives to the Provincetown Water & Sewer Board, the Select Board will encourage steps toward full cycle water usage for Provincetown and Truro, and a status report will be given at least annually at the Select Boards' joint meeting.</i>	A, C, D, E	John Dundas	Ambassador appointed to Provincetown Water & Sewer Board. Most recent meetings held on January 13, 2022; February 10, 2022; and March 17, 2022.	Ambassador will begin to draft objectives/ steps to help encourage full cycle water usage. Staff to begin scheduling joint Provincetown & Truro Select Board Meeting for Water Update.
15	<i>The Select Board will review the efficacy of and the participation in the childcare voucher program and make recommendations based on findings to inform the FY2023 budget process.</i>	A, D, E	Stephanie Rein	Voucher Program administration procured and in first half of year 8 children were approved for vouchers (6 residents and 2 Town of Truro employees' children). Applications for the second half of the year are in. Two 2022 Annual Town Meeting articles are submitted by the Select Board to continue the program for another year in an expanded age capacity and to expand the program to children of Truro business owners and staff.	Ambassador and staff will continue to review program data so that, if successful, an article can be included on the 2023 Annual Town Meeting Warrant to make the program(s) permanent.
16	<i>The Select Board will review the Senior Needs Assessment and explore the feasibility and the cost and social impact of expanding services and programs for seniors to inform the FY2024 budget process. (Continued into FY2023)</i>	A, D, E	Stephanie Rein	No progress--FY2023 Objective	Ambassador will review existing Senior Needs Assessment and programming in spring 2022 and will determine if an updated assessment should be completed. Will begin dialogue with COA Director and COA Board in spring 2022 about information needed.
17	<i>The Select Board will work with the Walsh Property Community Planning Committee to build on areas of common ground and build consensus on those specific initiatives and a vision for Truro with consideration for the Local Comprehensive Plan.</i>	A, B, C, D, E	Robert Weinstein	Library Director Ford is offering a series of workshops titled "Building Bridges, not Walls." One session was held and it reached capacity (10 people). The Talk to Us, Truro Community Survey culminated in a joint meeting to review the survey results in April, which was very productive and collaborative. Staff anticipates that chairs of LCP, WPCPC, EDC, and Housing Authority will work together in some capacity moving forward.	Ambassador will work with WPCPC Liaison to encourage Committee members to register.
18	<i>The Select Board will work with the Local Comprehensive Plan Committee to build on areas of common ground and build consensus on those specific initiatives and a vision for Truro with consideration for the Walsh Property planning process. (Continued into FY2023)</i>	A, B, C, D, E	Susan Areson	Library Director Ford is offering a series of workshops titled "Building Bridges, not Walls." One session was held and it reached capacity (10 people). The Talk to Us, Truro Community Survey culminated in a joint meeting to review the survey results in April, which was very productive and collaborative. Staff anticipates that chairs of LCP, WPCPC, EDC, and Housing Authority will work together in some capacity moving forward.	Ambassador will work with LCP Liaison to encourage Committee members to register.
19	<i>The Select Board will develop and implement a "Civility Pledge" that will be read at the beginning of all meetings of the Select Board and all Select Board- appointed boards, committees and commissions, and will request that elected boards do the same. (Continued into FY2023)</i>	D, E	Susan Areson	No progress--FY2023 Objective	Ambassador will research communities that may have a similar pledge and will draft a pledge for review and discussion at a Select Board meeting.
20	<i>The Select Board will initiate a revised cost estimate of a multi-phased approach for a new Department of Public Works Facility at a yet to be determined site in the FY2023- FY2027 Capital Improvement Plan.</i>	D	Robert Weinstein	Staff secured revised cost estimates and presented on three locations to the Select Board.	The Board will need to deliberate on the three locations and choose a path forward so that a revised cost estimate for the facility can be presented at a Budget Task Force Meeting for discussion on how to best proceed with financial planning for this project.
21	<i>By the end of FY 2022, the Select Board will invite the Massachusetts Cultural Council to present to the Select Board, Economic Development Committee and the Truro Cultural Council on the process of creating a designated cultural district in Truro. (Continued into FY2023)</i>	A	Kristen Reed	No progress--FY2023 Objective	Ambassador, Town Manager, and Town Planner will coordinate with the Cultural Council to schedule the presentation for the Board.



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Sue Areson, Clerk

REQUESTED MEETING DATE: April 26, 2022

ITEM: Truro Talks Newsletter

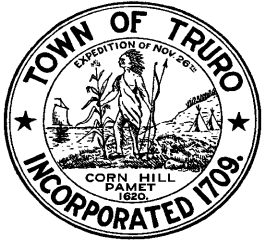
EXPLANATION: At the April 5, 2022 Select Board Meeting, Clerk Areson requested that an agenda item on the Truro Newsletter, Truro Talks, be included on the agenda. Clerk Areson will present this agenda item.

Truro Talks, the Town of Truro's official newsletter, launched in September 2021. It is produced monthly by Town of Truro staff to engage and inform the community. To view issues of Truro Talks, or to subscribe, visit: <http://www.truro-ma.gov/TruroTalksNewsletter>



SUGGESTED ACTION: None-Discussion only

ATTACHMENTS: None



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Noelle Scoullar, Executive Assistant

REQUESTED MEETING DATE: April 26, 2022

ITEM: Assignment of Town Meeting Article Motions

EXPLANATION: Historically, the Board determines which Select Board member will move each article. Attached for your review are proposed motions that have been approved by Town Counsel. Staff is available to answer questions regarding the motions and requests that the Board provide feedback on the motions at the meeting so that Town Counsel has time to review revised motions as needed.

The Board may assign a member to read the proposed motion. Some articles may be more appropriately moved by a petitioner, a Planning Board member, a Community Preservation Committee member, or a Finance Committee member and staff included recommended movers of these articles.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: There will be no clarity on who is moving each Article.

SUGGESTED ACTION: None-discussion of motions and assignment of movers.

ATTACHMENTS:

1. Motions for Town Meeting Articles

CUSTOMARY & FINANCIAL ARTICLES

Article 1: Authorization to Hear the Report of Multi-Member Bodies

Move to hear reports of any multi-member body, whose annual report was not published in the 2021 Annual Town Report.

Mover:

Article 2: Authorization to Set the Salary of the Select Board

Move to set salary for the Select Board, as printed in the warrant.

Mover: **Finance Committee**

Article 3: Authorization to Set the Salary of the Moderator

Move to set the salary for the Town Moderator, as printed in the warrant.

Mover:

Article 4: Amendments to the FY2022 Operating Budget Funded by Free Cash

Move to appropriate from Free Cash the amounts listed in the warrant to supplement the operating budgets of the various Town departments for the current fiscal year.

Mover:

Article 5: FY2023 Omnibus Budget Appropriation

Move to appropriate the sum of Twenty-Two Million, Two Hundred Sixty-Six Thousand, Eight Hundred Ninety-One Dollars and no cents (\$22,266,891.00) to defray the expenses And charges of the Town of Truro in Fiscal Year 2023 (the period from July 1, 2022 through June 30, 2023), including the costs of public education, debt service and interest Payments, and to meet said appropriation as printed in the warrant.

Mover:

Article 6: Transfer of Funds from Free Cash

SECTION 1: TO REDUCE OR STABILIZE THE FY2023 TAX RATE

Move to transfer nine hundred thousand dollars and no cents (\$900,000.00) from Free Cash to reduce or stabilize the FY2023 Tax Rate.

Mover:

SECTION 2: TO THE OPEB TRUST FUND

Move to transfer the sum of Four Hundred Thousand Dollars and no cents (\$400,000.00) from Free Cash to the Other Post-Employment Benefits (OPEB) Trust Fund.

Mover:

SECTION 3: TO THE CAPITAL EXPENSE STABILIZATION FUND

Move to transfer the sum of Four Hundred Fifty Thousand Dollars and no cents (\$450,000.00) from Free Cash to the Capital Expense Stabilization Fund.

Mover:

SECTION 4: TO STABILIZATION FUND

Move to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Stabilization Fund.

Mover:

SECTION 5: TO PAY FOR TOWN RECORD BINDING AND RECORD DIGITIZATION

Move to transfer the sum of Thirty-Nine Thousand Dollars and no cents (\$39,000.00) from Free Cash to the Town Clerk's Services to pay costs of binding the Town Clerk's records and record digitization, and for the payment of all other costs incidental and related thereto.

Mover:

SECTION 6: TO REVISE THE TOWN'S OPEN SPACE AND RECREATION PLAN

Move to transfer the sum of Thirty Thousand Dollars and no cents (\$30,000.00) from Free Cash to the Select Board Services to pay costs of hiring a consultant to revise the Town's Open Space and Recreation Plan, and for the payment of all other costs incidental and related thereto.

Mover:

SECTION 7: TO GENERAL FUND RESERVE FUND

Move to transfer the sum of One Hundred Twenty-Five Thousand Dollars and no cents (\$125,000.00) from Free Cash to the Reserve Fund to be available for extraordinary or unforeseen expenditures in Fiscal Year 2023.

Mover:

SECTION 8: TO PURCHASE ADDITIONAL MODULES FOR FINANCIAL TRANSPARENCY AND BUDGETING SOFTWARE

Move to transfer the sum of Ten Thousand Five Hundred Dollars and no cents (\$10,500.00) from Free Cash to the Information Technologies Services to pay the costs of purchasing additional modules for the Town's financial transparency and budgeting software, and for the payment of all other costs incidental and related thereto.

Mover:

SECTION 9: TO PROCURE ENGINEERING SERVICES FOR PARKING LOT PAVING AND BEACH PARKING LOT MAINTENANCE

Move to transfer the sum of One Hundred Fifty Thousand Dollars and no cents (\$150,000.00) from Free Cash to the Department of Public Works Capital to pay the costs of engineering services related to parking lot paving and beach parking lot maintenance, and for the payment of all other costs incidental and related thereto.

Mover:

**SECTION 10: TO PROCURE ENGINEERING AND DESIGN SERVICES FOR TRURO
CENTRAL SCHOOL HVAC SYSTEM**

Move to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Public Education Capital to pay the costs of engineering and design services to upgrade and repair Truro Central School's Heating, Ventilation, and Air Conditioning (HVAC) system, and for the payment of all other costs incidental and related thereto.

Mover:

SECTION 11: TO EMPLOYEE BENEFIT ACCOUNT

Move to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Employee Benefits and Reserve Account.

Mover:

SECTION 12: TO PURCHASE BUILDING PERMITTING SOFTWARE

Move to transfer the sum of Twenty Thousand Dollars and no cents (\$20,000.00) from Free Cash to the Information Technologies Services to pay the costs of purchasing permitting software for the Building and Inspection Department, and for the payment of all other costs incidental and related thereto.

Mover:

Article 7A: Fund a Voucher Program for Birth through 4-Year-Olds of Truro Residents and Town of Truro Staff

Move to transfer from free cash the sum of Two Hundred Twelve Thousand, Five Hundred Dollars and no cents (\$212,500.00) to pay the costs of funding and administering a one-year voucher system program for eligible birth through four-year-old children—only if they are unable to be accommodated at the Truro Central School—enrolled in a state-licensed childcare program, or a licensed pre-school or pre-k program that is not the Truro Central School Pre-School Program, who are born by August 31, 2022, and are not five years or older as of August 31, 2022. A voucher in the form of direct-to-provider tuition assistance up to a maximum of \$7,500.00 will be provided for each eligible child. The following children would be eligible for said program: children of Truro residents and children of Town of Truro employees. The administration of this program and related funds shall be overseen by the Select Board or its designee and eligibility for the program will be at the discretion of the Select Board or its designee.

Mover:

Article 7B: Fund a Voucher Program for Birth through 4-Year-Olds of Truro Businesses' Staff

Move to transfer from free cash the sum of Eighty-Seven Thousand, Five Hundred Dollars and no cents (\$87,500.00) to pay the costs of funding and administering a one-year voucher system program for eligible birth through four-year-old children—only if they are unable to be accommodated at the Truro Central School—enrolled in a state-licensed childcare program, or a licensed pre-school or pre-k program that is not the Truro Central School Pre-School Program, who are born by August 31, 2022, and are not five years or older as of August 31, 2022. A voucher in the form of direct-to-provider tuition assistance up to a maximum of \$7,500.00 will be provided for each eligible child. The following children would be eligible for said program: children of employees and business owners employed for more than 20 hours per week by a business with a physical location in the town of Truro, provided that the Truro location is the primary location of the employee's work for each month for which tuition assistance is provided. The administration of this program and related funds shall be overseen by the Select Board or its designee and eligibility for the program will be at the discretion of the Select Board or its designee.

Mover:

**TWO-THIRDS
VOTE**

Article 8: Transfer of Funds from Capital Stabilization Fund for Public Safety Consoles

Move to transfer the sum of Two Hundred Forty-Four Thousand Dollars and no cents (\$244,000.00) from the Capital Stabilization Fund to replace two Public Safety dispatch consoles.

Mover:

**TWO-THIRDS
VOTE**

Article 9: Transfer of Funds from Affordable Housing Stabilization Fund to Affordable Housing Trust Fund

Move vote to transfer [insert dollar value as of April 30, 2022 here] from the Affordable Housing Stabilization Fund to the Affordable Housing Trust Fund.

Mover:

Article 10: General Override

Move to add four (4) full-time firefighter/paramedics to the Fire/Rescue Department's staffing, effective July 1, 2022, to raise and appropriate the sum of Three Hundred Fifty-Five Thousand, Seven Hundred Sixty-Five Dollars and no cents (\$355,765.00), of which \$262,565.00 be appropriated to the Fire/Rescue Salary and Wages, and \$65,400.00 be appropriated to the Group Health Insurance: Town Share and that \$24,800.00 be appropriated to the Fire/Rescue Supplies and that \$3,000.00 be appropriated to the Fire/Rescue Services; provided, however, that if the Town receives a S.A.F.E.R. grant for the new positions prior to October 1, 2022, that \$327,965.00 be appropriated to the Fire/Rescue Capital, and that \$24,800.00 be appropriated to the Fire/Rescue Supplies and \$3,000.00 be appropriated to Fire/ Rescue Services, provided that no sums shall be appropriated or expended hereunder unless and until the Town shall have voted to exclude the amounts needed pursuant to this vote from the limitations imposed by Chapter 59, Section 21C of the General Laws (Proposition 2 ½).

Mover:

Annual Town Meeting – Saturday, April 30, 2022	ARTICLES 11-13
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Article 11: Shellfish Revolving Fund

Move to approve Article 11 as printed in the Warrant.

Mover: **Shellfish Advisory Committee**

Article 12: Council on Aging Revolving Fund

Move to set the spending limit for the COA Revolving Fund for Fiscal Year 2023 at Forty Thousand Dollars and no cents (\$40,000.00).

Mover:

Article 13: Authorization to Expend Funds in Anticipation of Reimbursement for State Highway Assistance Aid

Move to appropriate all sums provided to the Town pursuant to the Chapter 90 Highway Assistance Program of the Massachusetts Department of Transportation for purposes consistent with said program.

Mover:

REAPPROPRIATION ARTICLES

**TWO-THIRDS
VOTE**

Article 14: Reappropriate Authorized Borrowing Balances from Environmental Projects to Capital Expenses for Environmental Projects

Move to reappropriate the authorized borrowing balances from the Eagle Neck Creek Restoration, Repair and Improvement culvert replacement and salt marsh restoration project authorized at the April 24, 2012 Annual Town Meeting (Article 10) in the amount of [insert dollar value as of April 30, 2022 here] and at the April 30, 2019 Annual Town Meeting (Article 12) in the amount of [insert dollar value as of April 30, 2022 here] to Department of Public Works Capital;

And to reappropriate the authorized borrowing balances of the Repair and Replace Failing Culvert from Cape Cod Bay to Route 6 East Harbor project authorized at the April 25, 2017 Annual Town Meeting (Article 10) in the amount of [insert dollar value as of April 30, 2022 here],

for the purpose of pre- and post- construction services for the Truro Center Road culvert, Mill Pond Road culvert, Little Pamet culverts, Eagle Neck Creek culvert and East Harbor culvert environmental projects.

Mover:

**TWO-THIRDS
VOTE**

Article 15: Appropriate Bond Anticipation Note Proceeds to East Harbor Culvert Project

Move to appropriate the sum of One Hundred Sixty-Seven Thousand, One Hundred Sixty-Four Dollars and no cents (\$167,164.00) derived from premiums in connection with the sale of bond anticipation notes (BAN) to pay a portion of the bond anticipation notes issued to pay costs of the East Harbor Culvert project.

Mover:

Article 16: Appropriate Unexpended Fund Balances to Install Electric Vehicle Charging Stations

Move to reappropriate the unexpended balance in the sum of Fifty Thousand, Two Hundred Sixty-Five Dollars and Eighty-Five Cents (\$50,265.85) originally appropriated to install solar panels at Truro Central School at the April 28, 2009 Annual Town Meeting (Article 9) to Department of Public Works Capital;

And to reappropriate the unexpended balance of the Fiscal Year 2012 Town Energy Committee Capital Budget in the sum of Nineteen Thousand, Sixty-Five Dollars and no cents (\$19,065.00) to Department of Public Works Capital

for the purpose of installing electric vehicle charging stations at various Town owned locations.

Mover:

COMMUNITY PRESERVATION ACT ARTICLES

Article 17: Community Preservation Act: Contribution to the Affordable Housing Trust Fund

(Community Housing)

Move to appropriate the sum of Three Hundred Thousand Dollars and no cents (\$300,000.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue, to contribute to the Truro Affordable Housing Trust Fund, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 18: Community Preservation Act: Housing Consultant

(Community Housing)

Move to appropriate the sum of Twenty-Five Thousand Dollars and no cents (\$25,000.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue, to provide technical assistance to the Truro Housing Authority, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 19: Community Preservation Act: Lower Cape Housing Institute

(Community Housing)

Move to appropriate the sum of Fifteen Thousand Dollars and no cents (\$15,000.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue, to provide support for the regional Lower Cape Housing Institute offered by the Community Development Partnership, Inc., and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 20: Community Preservation Act: Orleans Cape Cod Five Housing

(Community Housing)

Move vote to appropriate the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue, to provide regional support for the creation of 62 year-round family rental units at 19 West Road, Orleans, Massachusetts by Pennrose, LLC, and to enter into a grant agreement which shall include the acquisition of an affordable housing restriction on behalf of the Town to set forth the terms and conditions thereof.

Mover: **CPC**

Article 21: Community Preservation Act: High Head Trail Development

(Open Space)

Move to appropriate the sum of Seventy-Eight Thousand Dollars and no cents (\$78,000.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue, to develop a trail system on the High Head Conservation land, jointly owned by Truro Conservation Commission and the Commonwealth of Massachusetts, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 22: Community Preservation Act: Acquisition Fund for Highland House Museum

(Historical Preservation)

Mover to appropriate the sum of Forty-Nine Thousand, Four Hundred Forty Dollars and no cents (\$49,440.00) using Thirty Thousand, Two Hundred Sixty-Nine Dollars and no cents (\$30,269.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue and Nineteen Thousand, One Hundred Seventy-One Dollars and no cents (\$19,171.00) from Fiscal Year 2022 Budgeted Reserve Funds for the acquisition of Truro art, Wampanoag artifacts, and the restoration of a centuries-old loom, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 23: Community Preservation Act: Memorials for Payomet Peoples—Phase 1

(Historical Preservation)

Move to appropriate the sum of Thirty-Seven Thousand, Five Hundred Dollars and no cents (\$37,500.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue for the Truro Historical Commission and the Truro Historical Society to establish possible commemorative memorials and monuments for the Payomet Peoples and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 24: Community Preservation Act: Town Records—Phase 1

(Historical Preservation)

Move to appropriate the sum of One Hundred Six Thousand Dollars and no cents (\$106,000.00) using Twenty-Seven Thousand, Seven Hundred Thirteen Dollars and no cents (\$27,713.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue and Seventy-Eight Thousand, Two Hundred Eighty-Seven Dollars and no cents (\$78,287.00) from the Fiscal Year 2022 Budgeted Reserve for the preservation and restoration of Truro's oldest records and accessibility for all permanent records, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 25: Community Preservation Act: 9 Mobi Mats or Equivalent and Fencing for Improved Beach Access

(Recreation)

Move to appropriate the sum of Forty Thousand, Five Hundred Sixty- Four Dollars and no cents (\$40,564.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue for the purchase of Mobi-mats and Mobi-fencing or their equivalents for Town beaches, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 26: Community Preservation Act: Truro Beach Paddlecraft Racks

(Recreation)

Move to appropriate the sum of Six Thousand, Nine Hundred Forty Dollars and no cents (\$6,940.00) from the Fiscal Year 2022 Budgeted Reserve for design and construction of paddlecraft racks at several Town beaches, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 27: Community Preservation Act: Truro Library Edible Forest

(Recreation)

Move to appropriate the sum of Fifteen Thousand, Eight Hundred Dollars and no cents (\$15,800.00) from the Fiscal Year 2022 Budgeted Reserve for establishment of an edible forest path on Town-owned property between the Library and Sally's Way, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 28: Community Preservation Act: 12 Histories of Pond Village & Fishing Industry at Cold Storage Beach

(Recreation)

Move to appropriate the sum of Four Thousand, Nine Hundred Thirty-Six Dollars and no cents (\$4,936.00) from the Fiscal Year 2022 Budgeted Reserve for two interpretive graphic displays at Cold Storage Beach, and to enter into a grant agreement to set forth the terms and conditions thereof.

Mover: **CPC**

Article 29: Community Preservation Act: Administrative Support

Move to appropriate the sum of Thirty-three Thousand, Eight Hundred Eighty-Four Dollars and no cents (\$33,884.00) from Projected Fiscal Year 2023 Community Preservation Act Surcharge Revenue for the administrative expenses of the Community Preservation Committee.

Mover: **CPC**

LAND ACQUISITION ARTICLES

Article 30: Acquisition of Easements for the Herring River Restoration Project

Move to authorize the Select Board to acquire, by gift, purchase [or eminent domain], a permanent easement and a temporary easement at property known as 125A Old County Road (Assessor's Map 59-108), as shown on a plan entitled "Herring River Restoration Project Engineering Design to Elevate Low-Lying Roadways and Replace Associated Culverts, Wellfleet and Truro, Massachusetts, Permanent and Temporary Easement Plan," prepared for the Town of Truro, sheet 1 of 1," dated March 2022, prepared by WSP, a copy of which is on file with the Town Clerk, as said plan may be amended from time to time, said acquisition to be on such terms and conditions as the Select Board deems appropriate; and further to authorize the Select Board to execute any and all documents and take such other actions as be necessary or convenient in connection with said acquisition.

Mover:

PERSONNEL BYLAW ARTICLES

Article 31: Amend Personnel Bylaw 6.3.6 Vacation Buy Back

Move to amend Section 6.3.6 of the Town of Truro Personnel Bylaw as printed in the Warrant.

Mover:

ACCEPTANCE OF MASSACHUSETTS GENERAL LAW ARTICLES

Article 32: Accept M.G.L. c. 200A, §9A Disposition of abandoned funds by city or town; notice of period during which funds may be claimed; city treasurer authorized to hear claims; appeal; disbursement

Move to accept Massachusetts General Law Chapter 200A, Section 9A (Disposition of abandoned funds by city or town; notice of period during which funds may be claimed; city treasurer authorized to hear claims; appeal; disbursement).

Mover:

Article 33: Accept M.G.L. c. 71, §37M Consolidation of Administrative Functions with City or Town

Move to accept Massachusetts General Law Chapter 71, Section 37M (Consolidation of administrative functions with city or town).

Mover:

Article 34: Accept M.G.L. c. 44, §55C Municipal Affordable Housing Trust Fund

Move to accept Massachusetts General Law Chapter 44, Section 55C (Municipal Affordable Housing Trust Fund). The Trust shall have all of the powers enumerated in the Warrant.

Mover:

CHARTER AMENDMENT ARTICLES

**TWO-THIRDS
VOTE**

Article 35: Charter Amendment to Section 7-1-2

Move to amend Section 7-1-2 of the Town Charter by adding new language as printed in the Warrant.

Mover:

**TWO-THIRDS
VOTE**

Article 36: Charter Amendment to Section 2-3-3

Move to amend Section 2-3-3 of the Town Charter by adding new language and deleting the language as printed in the Warrant.

OR, [at the recommendation of Town Counsel]

Move to amend Section 2-3-3 of the Town Charter by striking the word “ten” from the first sentence and adding the word “thirty”;

And adding to the end of Section 2-3-3, the sentences “All petitioned articles must identify a lead petitioner on the petition. If a lead petitioned is not identified on the petition, the Select Board shall defer the inclusion of the petition on the warrant until a lead petitioned is identified.”

Mover: **Charter Review Committee**

**TWO-THIRDS
VOTE**

Article 37: Charter Amendment to Section 6-2-10

Move to amend Section 6-2-10 of the Town Charter by adding new language and deleting the language as printed in the Warrant.

Mover: **Charter Review Committee**

Annual Town Meeting – Saturday, April 30, 2022

ARTICLES 38-41

TWO-THIRDS
VOTE

Article 38: Charter Amendment to Section 6-2-10

Move to amend Section 6-2-10 of the Town Charter deleting the language as printed in the Warrant.

Or if Article 37 passes:

Move to postpone this article indefinitely.

Mover:

TWO-THIRDS
VOTE

Article 39: Charter Amendment to Section 6-4-7

Move to amend Section 6-4-7 of the Town Charter by adding new language and deleting the language as printed in the Warrant.

Mover: **Charter Review Committee**

TWO-THIRDS
VOTE

Article 40: Charter Amendment to Section 6-4-7

Move to amend Section 6-4-7 of the Town Charter by deleting the language as printed in the Warrant.

Or if Article 39 passes:

Move to postpone this article indefinitely.

Mover:

TWO-THIRDS
VOTE

Article 41: Charter Amendment to Section 3-2-1

Move to amend Section 3-2-1 of the Town Charter by adding new language as printed in the Warrant.

Mover:

ZONING BYLAW ARTICLES

**TWO-THIRDS
VOTE**

Article 42: Amend Zoning Bylaw §30.5 Flood Plain District

Move to amend Section 30.5, Flood Plain District, of the Zoning Bylaw by deleting language, adding the wording, and enumerating the bylaw accordingly as printed in the Warrant.

Mover:

**TWO-THIRDS
VOTE**

Article 43: Amend Zoning Bylaw §10.2 Purpose

Move to amend Section 10.2, Purpose, of the Zoning Bylaw by deleting language, adding wording, and enumerating the bylaw accordingly as printed in the Warrant.

Mover: **Planning Board**

**TWO-THIRDS
VOTE**

Article 44: Amend Zoning Bylaw §10.4 Definitions- Street Definition

Move to amend Section 10.4, Definitions, of the Zoning Bylaw by deleting language, adding wording, and enumerating the bylaw accordingly as printed in the Warrant.

Mover: **Planning Board**

**TWO-THIRDS
VOTE**

Article 45: Amend Zoning Bylaw §10.4 Definitions- Lot Coverage

Move to amend Sections 10.4, Definitions, and 50.1, Area and Height Regulations, of the Zoning Bylaw by deleting language, adding wording, and enumerating the bylaw accordingly as printed in the Warrant.

Mover: **Planning Board**

**TWO-THIRDS
VOTE**

Article 46: Amend Zoning Bylaw §40.1 Duplex Houses and Apartments

Move to amend Section 40.1, Duplex Houses and Apartments, of the Zoning Bylaw by deleting language, adding wording, and enumerating the bylaw accordingly as printed in the Warrant.

Mover: **Planning Board**

HOME RULE PETITION ARTICLES

Article 47: Home Rule Petition to Establish a Tax Workoff Program for Persons with Disabilities

Move to direct the Select Board to petition the General Court for a special act, providing for the creation of a Tax Workoff Program for Persons with Disabilities, as set forth in the Warrant, and that the General Court be authorized with the approval of the Select Board to make constructive changes in the text thereof as may be necessary or advisable in order to accomplish the intent of this legislation to secure its passage.

Mover:

Article 48: Home Rule Petition to Impose a 0.5% Real Estate Transfer Fee

Move to direct the Select Board to petition the General Court for special legislation authorizing the Town to impose a 0.5% real estate transfer fee as set forth in the Warrant, and that the General Court be authorized with the approval of the Select Board to make constructive changes in the text thereof as may be necessary or advisable in order to accomplish the intent of this legislation to secure its passage.

Mover:

PETITIONED ARTICLES

Article 49: To Prevent Dumping of Radioactive Water in the Cape Cod Bay- Petitioned Article

Move to that the Town accept this resolution; and insist that Holtec International immediately and forever eliminate the dumping of radioactive water into the Bay from all plans for and action taken in the decommissioning and decontaminating of the Pilgrim Nuclear Power Plan; and

That the Town call on Governor Baker and any successor to require Holtec International to immediately and forever refrain from discharging radioactive water from Pilgrim into Cape Cod Bay; and to direct the Secretary of Environmental Affairs and the Secretary of Health and Human Services to protect the residents of the Commonwealth by enforcing any and all available laws and regulations to ban dumping Pilgrim's radioactive contaminated water into Cape Cod Bay; and

Further, to call on Attorney General Maura Healey to immediately enforce terms of the Settlement Agreement signed by the Commonwealth and Holtec International and to enforce any and all available laws and regulations that would prohibit dumping of radioactive contaminated water into Cape Cod Bay; and

That the Truro Select Board certify and forward copies of this Resolution to Holtec International, and to Governor Charlie Baker, Attorney General Maura Healey, Senator Edward Markey, Senator Elizabeth Warren, Representative William Keating, State Senator Julian Cyr, and State Representative Sarah Peake.

Mover: **Lead Petitioner**

**TWO-THIRDS
VOTE**

Article 50: Amend Charter to Make Planning Board Appointed- Petitioned Article

Move to amend, pursuant to G.L. c.43B, § 10, Sections 3-1-1 and 6-4-2 of the Town Charter as printed in the Warrant.

Mover: **Lead Petitioner**

Article 51: Childcare Voucher Program- Petitioned Article

Move to postpone the article indefinitely.

Mover: **Lead Petitioner**

Article 52: Creation of Year-Round Rental Housing Trust- Petitioned Article

Move to direct the Select Board to petition the General Court for a special act, providing for the creating of a Year-round Rental Housing Trust, as set forth in the Warrant, and that the General Court be authorized with the approval of the Select Board to make constructive changes in the text thereof as may be necessary or advisable in order to accomplish the intent of this legislation to secure its passage.

Mover: **Lead Petitioner**

Article 53: Establishing a Net Zero Building Standard for Town Funded Building Projects- Petitioned Article

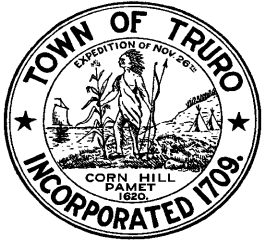
Move to direct the Select Board to instruct the Climate Action Committee to work with the Planning Board, Zoning Board of Appeals, and other pertinent committees to define a standard for Carbon Net Zero constructions and submit that standard for approval to Town Meeting 2023. When approved the Town of Truro should no longer provide funding in part or whole to any building that does not meet such standard.

Mover: **Lead Petitioner**

Article 54: Non-Binding Resolution- Study & Execute the Creation and Administration of a Workforce Housing Deed Restriction Buy Back Program- Petitioned Article

Move to postpone this article indefinitely.

Mover: **Lead Petitioner**



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: DPW

REQUESTOR: Jarrod J. Cabral, DPW Director

REQUESTED MEETING DATE: April 26, 2022

ITEM: USDA Assurances

EXPLANATION: This item is before the Board to facilitate reimbursement of construction costs for the Eagle Neck Creek culvert replacement and salt marsh restoration project. The Town was awarded a construction grant from the USDA to fund 75% of the construction. The USDA requires assurances to real property for reimbursement of construction funds for the Eagle Neck Creek culvert replacement and salt marsh restoration.

FINANCIAL SOURCE (IF APPLICABLE): USDA grant award: \$2,081,511.87. Town share in cost of project appropriated at Town meeting in 2019: \$1,000,000.00. Total cost of project: \$2,734,227.00. Estimated Town share of project: \$652,715.62.

IMPACT IF NOT APPROVED: No reimbursement from the USDA

SUGGESTED ACTION: *Motion to approve the NRCS-ADS-78 Assurances relating to real property acquisition and Authorize the Chair to sign.*

ATTACHMENTS:

1. NRCS-ADS-78 land rights form
2. Town Counsel opinion letter to the USDA
3. Exhibit A - Real property assurances
4. List of property affected

ASSURANCES RELATING TO REAL PROPERTY ACQUISITION

- A. **PURPOSE** — This form is to be used by sponsor(s) to provide the assurances to the Natural Resources Conservation Service of the U.S. Department of Agriculture which is required in connection with the installation of project measures which involve Federal financial assistance furnished by the Natural Resources Conservation Service.

- B. **PROJECT MEASURES COVERED** —

Name of project Eagle Neck Creek

Identity of improvement or development Culvert replacement and salt marsh restoration

Location 0 Old County Road Truro Ma 02666

- C. **REAL PROPERTY ACQUISITION ASSURANCE** —

This assurance is applicable if real property interests were acquired for the installation of project measures, and/or if persons, businesses, or farm operations were displaced as a result of such installation; *and* this assurance was not previously provided for in the watershed, project measure, or other type of plan.

If this assurance was not previously provided, the undersigned sponsor(s) hereby assures they have complied, to the extent practicable under State law, with the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act (42 U.S.C. 4601-4655), as implemented in 7 C.F.R. Part 21. Any exceptions taken from the real property acquisition requirements under the authority of 42 U.S.C. 4655 because of State law have been or is hereby furnished to the Natural Resources Conservation Service along with the opinion of the Chief Legal Officer of the State containing a full discussion of the facts and law furnished.

- D. **ASSURANCE OF ADEQUACY OF REAL PROPERTY RIGHTS** —

The undersigned sponsor(s) hereby assures that adequate real property rights and interests, water rights if applicable, permits and licenses required by Federal, State, and local law, ordinance or regulation, and related actions have been taken to obtain the legal right to install, operate, maintain, and inspect the above-described project measures, except for structures or improvements that are to be removed, relocated, modified, or salvaged before and/or during the installation process.

This assurance is given with the knowledge that sponsor(s) are responsible for any excess costs or other consequences in the event the real property rights are found to be inadequate during the installation process.

Furthermore, this assurance is supported by an attorney's opinion attached here to that certifies an examination of the real property instruments and files was made and they were found to provide adequate title, right, permission and authority for the purpose(s) for which the property was acquired.

If any of the real property rights or interests were obtained by condemnation (eminent domain) proceedings, sponsor(s) further assure and agree to prosecute the proceedings to a final conclusion and pay such damages as awarded by the court.

Town of Truro

(Name of Sponsor)

By: _____

Title: Chair, Select Board

Date: April 26, 2022

This action authorized
at an official meeting _____
_____ on _____

day of _____, 19____,

at _____

State of _____

Attest: _____
(Name)

(Title)

(Name of Sponsor)

By: _____

Title: _____

Date: _____

This action authorized
at an official meeting _____
_____ on _____

day of _____, 19____,

at _____

State of _____

Attest: _____
(Name)

(Title)



101 Arch Street, Boston, MA 02110
Tel: 617.556.0007 | Fax: 617.654.1735
www.k-plaw.com

April 7, 2022

Katharine Lord Klein
kklein@k-plaw.com

Dan Wright
State Conservationist
USDA – Natural Resources Conservation Service
451 West Street, Ste.1 Amherst, MA 01002

Re: Eagle Neck Creek Project, Truro
Barnstable County, Massachusetts

Dear Mr. Wright:

This firm serves as Town Counsel to the Town of Truro (“Town”). We understand that the Town has been awarded a grant from USDA – Natural Resources Conservation Service (USDA) (“USDA Grant”) for a salt marsh restoration and culvert replacement project at Eagle Neck Creek in Truro (the “Project”). The Project involves four owners (the “Owners”) and six properties (the “Properties”), as set forth at Exhibit A. The work at the Properties includes channel dredging, replacement of a culvert, raising of Stick Bridge Road and the creation of new driveway transitions (the “Work”).

We offer this opinion in support of the USDA Grant and in accordance with USDA’s requirements.

It is our opinion that the Town has obtained authority from each of the Owners to perform the Work related to the Project on the Properties, including permission to enter upon the Properties in accordance with approvals and permits from local, state and federal agencies. The Town, further, has the authority to operate, maintain and inspect the improvements to the Properties related to the Project.

This opinion is based on an examination of the instruments and files for the Project, which were found to provide adequate permission and authority for the purpose of conducting the Work related to the Project. We have not searched the title to the Properties. This opinion is limited to the permission and authority obtained from the Owners of the Properties, and is not an opinion as to title, or whether any parties other than the Owners may have any interest in the Properties.

Very truly yours,
KP Law, P.C.

By: Katharine Lord Klein
Katharine Lord Klein

KLK/caa
cc: Select Board
Director of Department of Public Works

806082/TRUR/0001

Exhibit A

To

Assurances Relating to
Real Property Acquisition

Eagle Neck Creek Project
Truro, Massachusetts

The Sponsor, the Town of Truro, Massachusetts, by its Select Board, assures the U.S. Department of Agriculture – Natural Resources Conservation Service, that the Town of Truro has received the requisite authorizations from the property owners affected by the Eagle Neck Creek Project (the “Project”) to obtain the right to install, operate, maintain and inspect the Project.

Exhibit A

Name	Property Address/ Parcel Number	Project Work
Gregory M. Morris and Teresa L. Morris	14 Abby Lane Truro, MA Parcel 054-003	Channel Dredging
Truro Conservation Trust	0 Phats Valley Road Truro, MA Parcel 054-098	Channel Dredging
Truro Conservation Trust	0 Old County Road Truro, MA Parcel 054-004	Channel Dredging
Truro Conservation Trust	0 Old County Road Truro, MA Parcel 054-004	Culvert Replacement
Truro Conservation Trust	1 Stick Bridge Road Truro, MA Parcel 054-109	Raising of Stick Bridge Road
Joshua Weiner and Sarah Blake	4 Stick Bridge Road Truro, MA Parcel 054-077	Driveway Transition
Robert Christopher Anderson and Loic Rossignon	8 Stick Bridge Road Truro, MA Parcel 054-089	Driveway Transition



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Department of Public Works

REQUESTOR: Jarrod Cabral, DPW Director

REQUESTED MEETING DATE: April 26, 2022

ITEM: Truro Center Road Safety Precautions Proposal-Discussion Only

EXPLANATION: This item is to review traffic safety concerns related to Truro Center Road that have been discussed at previous Select Board meetings. The DPW Director will present alternative traffic calming measures to be reviewed and discussed with the Select Board for potential implementation. Various calming methods to be discussed are:

- Granite curbing
- Rumble strips
- Green space additions to parking area
- "Stop sign ahead" warning sign
- Delineators
- Permanent crosswalk warning signs
- Temporary crosswalk warning signs

FINANCIAL SOURCE (IF APPLICABLE): DPW operations account

IMPACT IF NOT APPROVED: N/A

SUGGESTED ACTION: Discussion only.

ATTACHMENTS:

1. DPW Director Memorandum

2. GHD Sketch
3. Proposed Sidewalk and Crosswalk
4. Safety Signs



TOWN OF TRURO

P.O. Box 2030, Truro MA 02666

Tel: (508) 349-7004 Fax: (508) 349-5505

Memorandum

To: Darrin Tangeman, Town Manager
From: Jarrod J. Cabral, Department of Public Works Director
Date: April 15, 2022
Subject: Truro Center Road Safety Precautions

GHD Traffic Calming Recommendations:

- Install granite curbing or rumble strips around Truro Center RD and Castle RD parking area.
- Create a green space with raised bed at the end of the parking area.
- Add a green space along Castle RD.
- Extend shell driveway and add a green space in front of 26 Truro Center Rd.

Notes:

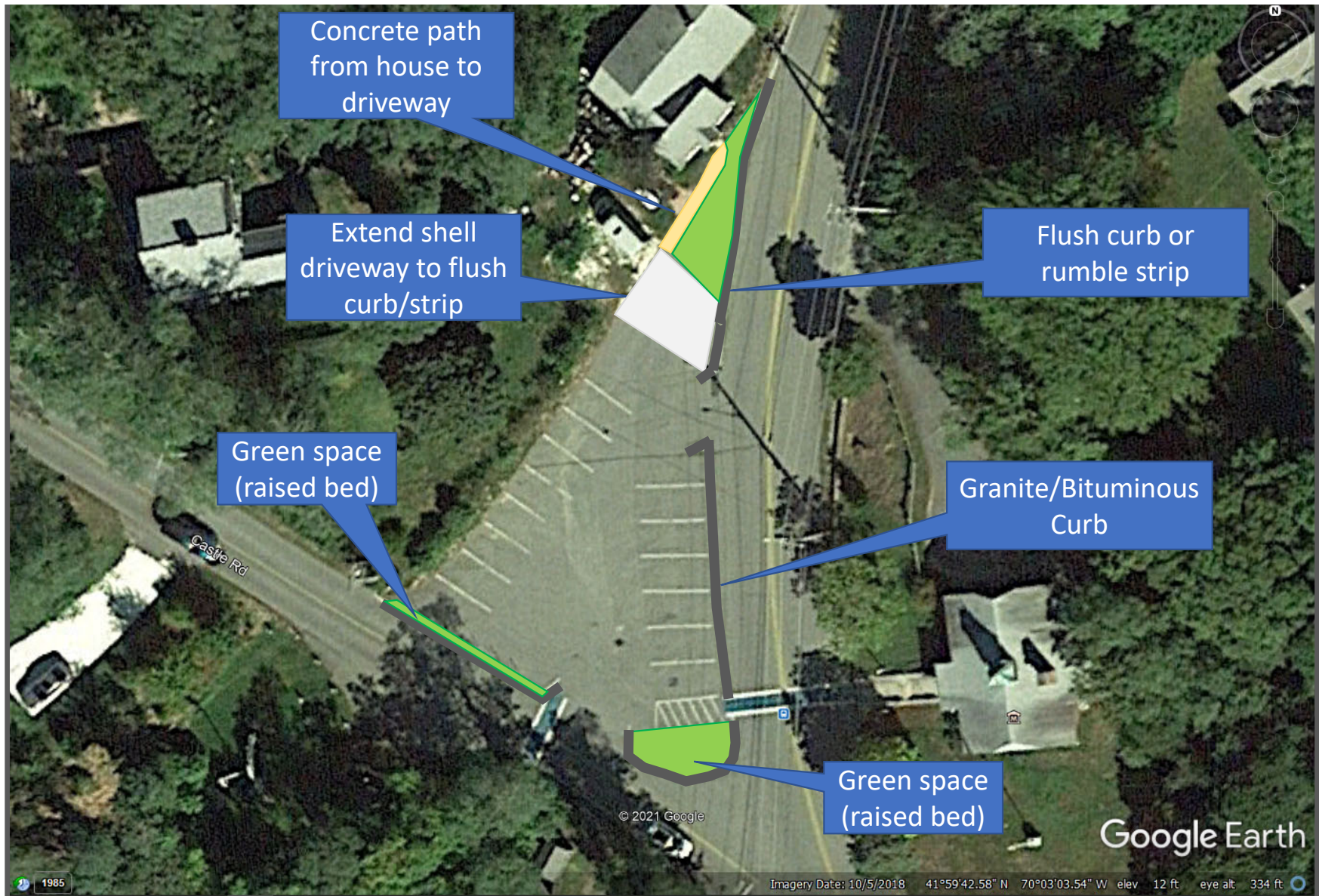
- The current parking layout is not compliant with local regulatory guidelines.
- Parking area is within 200' of Pamet River.

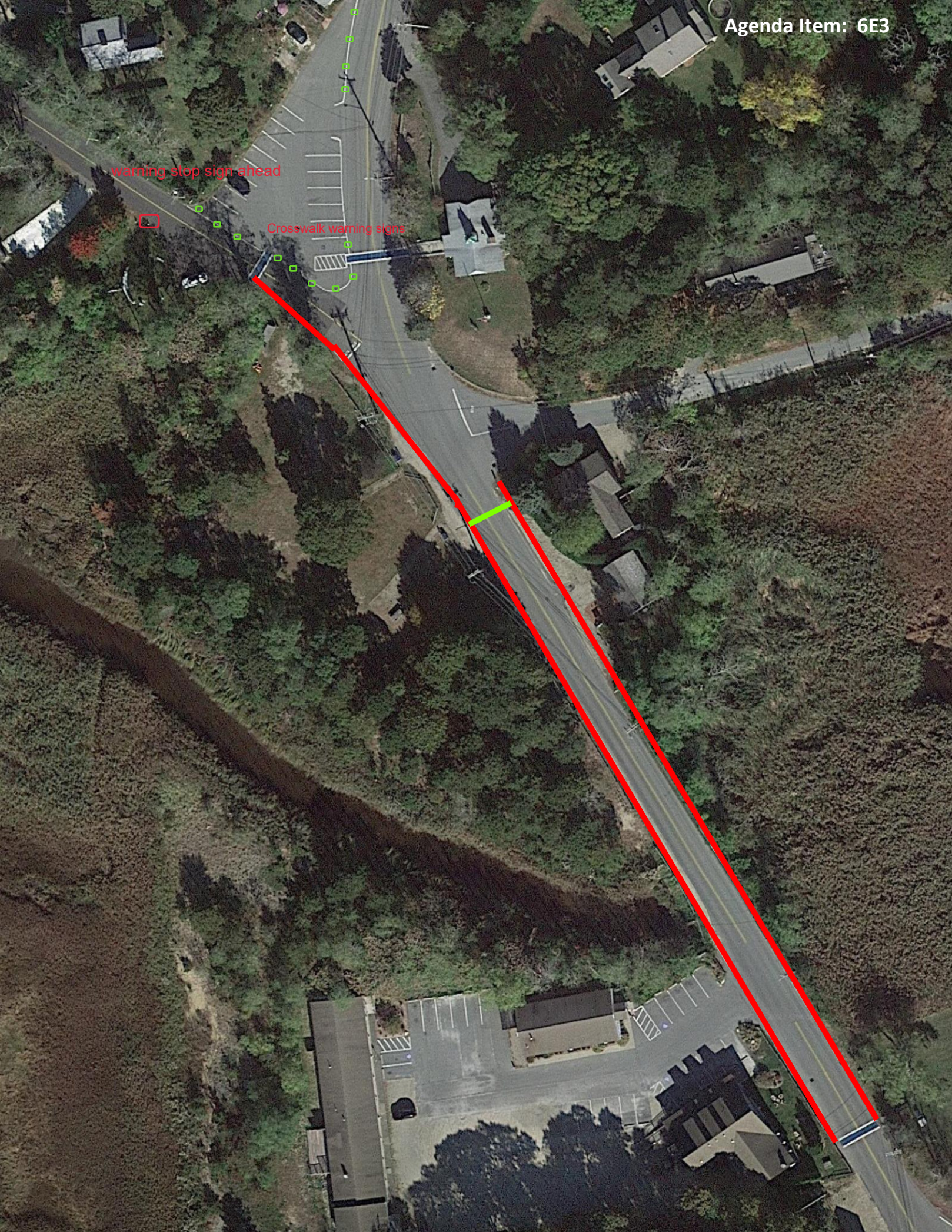
Staff Recommendations:

- Delay the above recommendations due to the replacement of the culvert located on Truro Center Rd.
- Install delineators along the Castle Rd parking area extending to the end of the parking areas and crosswalks.
- Install delineators along Truro Center Rd beginning on the corner of 26 Truro Center Rd.
- Add signage on Castle Rd warning of a stop sign ahead.
- Install temporary crosswalk signs for events on all crosswalks on Truro Center Rd and Castle Rd.
- Install permanent crosswalk warning signs on the north and south approaches towards Pamet Park/Veterans Park areas.

Notes:

- As part of the culvert replacement preliminary design phase on Truro Center Rd a 5' walkway will be added extending north and south on Truro Center Rd.
- Stormwater infrastructure will be installed as part of the final design phase of the culvert replacement. This will include adding infrastructure in and around the parking area located between Castle Rd and Truro Center Rd.





warning stop sign ahead

Crosswalk warning signs

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[HOME \(HTTPS://WWW.TRAFFICSIGNS.COM/\)](https://www.trafficsigns.com/)

STOP AHEAD (SYMBOL) SIGN



Stop Ahead (Symbol) Sign - W3-1

Availability: In Stock

Stop Ahead (Symbol) Sign W3-1

[PRODUCT DESCRIPTION](#)

[ADDITIONAL INFORMATION](#)

- W3-1 Stop Ahead (symbol) Sign

Color (Red, Blue, Green, Yellow, White, Black) | Material (Aluminum, Steel, Plastic) | Size (12" x 18", 18" x 24", 24" x 36") | Mounting (Post, Bracket, Adhesive) | Reflective (Yes, No) | Interchangeable (Yes, No) | [View Details](#)

VIDEOS IMAGES



Omni Flex 48 Inch Tubular Traffic Delineator Post



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Truro Select Board

Tuesday, April 26, 2022

Regular Meeting-5:00pm

7. **CONSENT AGENDA**

A. Review/Approve and Authorize Signature:

1. Consent Letters from Crown Castle for Cell Tower Work at 344 Route 6
2. One Day Weekdays and Sundays Entertainment Licenses for Truro Vineyards

B. Review and Approve Appointment Renewals: None

C. Review and Approve 2022 Seasonal Business Licenses: Terra Luna Restaurant-Common Victualer,

D. Review and Approve Select Board Minutes: None

8. Select Board Reports/Comments

9. Town Manager Report

10. Next Meeting Agenda: Regular Meeting-May 11 (Wednesday), 2022



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Nicole Tudor, Executive Assistant

REQUESTED MEETING DATE: April 26, 2022

ITEM: Two Consent letter for Modifications (Sprint) and new carrier (DISH Network) on Cell Tower at 344 Route 6

EXPLANATION: CCATT LLC (CCATT) subleases and operates the tower site that is subject to the Lease. CCATT, a Crown Castle company own, manages, and operates the shared wireless communication facilities. Sprint plans to modify its equipment at the wireless communication facility and DISH Network as a new carrier on the cell tower.

Pursuant to the Lease CCATT is required to obtain the Town's consent for any modifications or additions. No construction will commence until all required permits and approvals are obtained. Signing this consent letter does not eliminate the need for the customer to go through any jurisdictional and/or zoning/permitting procedures that may be required.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: The work will not move forward; the Town is legally required to authorize the work once all local regulations are met.

SUGGESTED ACTION: *MOTION TO approve the consent for modification (Sprint) and the addition of (DISH network) on the cell tower at 344 Route 6 and to authorize the Chair to sign.*

ATTACHMENTS:

1. Consent letter for Modification (Sprint) and construction drawings

2. Consent letter for Modification (DISH Network) and construction drawings



2000 Corporate Dr,
Canonsburg, PA 15317

Phone: (724) 743-7699
Email:
Jacob.Karabasz@crowncastle.com
www.crowncastle.com

April 7, 2022

VIA email

TOWN OF TRURO
TRURO, MA 02666

Re: BU 841273 / "TRURO" / 344 ROUTE 6, NORTH TRURO, MA 02652 ("Site")
Wireless Communications Facilities Lease Agreement, dated March 7, 2000, as it may have been
amended and assigned ("Lease") / Consent for modifications

Dear TOWN OF TRURO,

I am reaching out to you on behalf of CCATT LLC ("Lessee") in order to obtain your consent as may be required by the Lease.

In order to better serve the public and minimize the amount of towers in an area where this property is located, Sprint PCS intends to modify its equipment at the wireless communication facility (the "Modification").

Under the Lease, Landlord's consent cannot be unreasonably withheld, conditioned or delayed. Please provide your consent **on or before May 9, 2022** by signing below and returning to Jacob.Karabasz@crowncastle.com so that we may install Sprint PCS's equipment as permitted under the Lease.

Please see the enclosed supplemental materials, as may be required by the Lease. If you have any questions concerning this request, please contact Jacob Karabasz at (724) 743-7699 or Jacob.Karabasz@crowncastle.com

Sincerely,

Agreed and accepted _____

(Date)

A handwritten signature in black ink, appearing to read 'J. Karabasz', written over a horizontal line.

Jacob Karabasz

Real Estate Specialist

(Lessor's signature)

(Lessor's name and title)



T-MOBILE SITE NUMBER:4HY1568A
T-MOBILE SITE NAME: 4HY1568A
SITE TYPE: SELF SUPPORT
TOWER HEIGHT: 170'-0"

BUSINESS UNIT #:841273
SITE ADDRESS: 344 ROUTE 6
NORTH TRURO, MA 02652
COUNTY: BARNSTABLE COUNTY
JURISDICTION: TOWN OF TRURO

T-MOBILE SPRINT KEEP SITE CONFIGURATION: 67E5A998E 6160



35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



T-MOBILE SITE NUMBER:
4HY1568A

BU #: 841273
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	01/12/2022	KAC	PRELIMINARY	JB

JOHN BOSCO, PE LIC. NO. 46924
IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER:

T-1

REVISION:

A

SITE INFORMATION

CROWN CASTLE USA INC. TRURO
SITE NAME:
SITE ADDRESS: 344 ROUTE 6
NORTH TRURO, MA 02652
COUNTY: BARNSTABLE COUNTY
MAP/PARCEL #: 39-172-A
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 42° 1' 18.00"
LONGITUDE: -70° 4' 30.00"
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 111.0
CURRENT ZONING: ----
JURISDICTION: TOWN OF TRURO
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: SOUTHWESTERN BELL MOBILE/AT&T
754 PEACHTREE ST 16TH FLR
ATLANTA, GA 30308
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: T-MOBILE
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
ELECTRIC PROVIDER: NSTAR ELECTRIC
1-888-633-3797
TELCO PROVIDER: COMCAST
1-800-COMCAST
JOB NO.: 2438.6913

PROJECT TEAM

A&E FIRM: CROWN CASTLE USA INC.
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CROWNAE.APPROVAL@CROWNCastle.COM
CROWN CASTLE 1200 MACARTHUR BLVD, SUITE 200
USA INC. DISTRICT MAHWAH, NJ 07430
CONTACTS:
---- - PROJECT MANAGER

---- - CONSTRUCTION MANAGER

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE
CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN & ENLARGED SITE PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	PLUMBING DIAGRAM
C-5.1	EQUIPMENT SPECS
C-5.2	EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
ATTACHED	MOUNT SPECS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR
11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING
DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL
IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY
DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR
BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

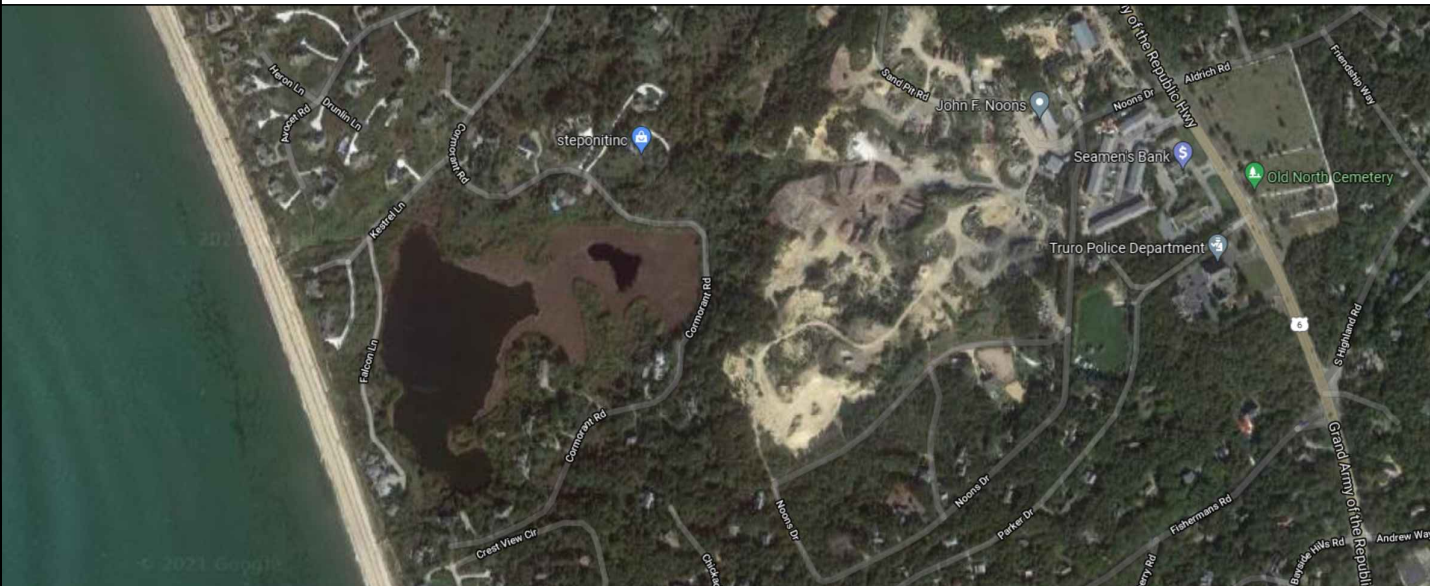
THE PURPOSE OF THIS PROJECT IS TO ENHANCE
BROADBAND CONNECTIVITY AND CAPACITY TO THE
EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
• REMOVE (4) ANTENNAS
• REMOVE (8) RRHs
• REMOVE (2) TMAs
• REMOVE (4) 1-5/8" HYBRID CABLES
• INSTALL (9) ANTENNAS
• INSTALL (6) RRHs
• INSTALL (2) 1-5/8" HYBRID CABLE

GROUND SCOPE OF WORK:
• REMOVE (1) SPRINT PCS CABINETS
• INSTALL (1) 6160 EQUIPMENT CABINET
• INSTALL (1) B160 BATTERY CABINET
• INSTALL (1) 200A, 30 POSITION PPC

NOTE:
THE POWER DESIGN FOR ANY AC ELECTRICAL POWER
CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN
HERE FOR REFERENCE PURPOSES ONLY. T-MOBILE IS
SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

LOCATION MAP



NO SCALE

APPLICABLE CODES/REFERENCE
DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 IBC
MECHANICAL	2018 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BY OTHERS
DATED:
MOUNT ANALYSIS: INFINIGY ENGINEERING, PLLC
DATED: 01/13/22
AC ELECTRICAL POWER DESIGN: BY OTHERS
DATED:
RFDS REVISION: 1
DATED: 11/23/2021
ORDER ID: 597331
REVISION: 0



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APPROVALS

APPROVAL	SIGNATURE	DATE
PROPERTY OWNER OR REP.	_____	_____
LAND USE PLANNER	_____	_____
T-MOBILE	_____	_____
OPERATIONS	_____	_____
RF	_____	_____
NETWORK	_____	_____
BACKHAUL	_____	_____
CONSTRUCTION MANAGER	_____	_____

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS
AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE
CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS
ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND
ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft. of MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (I.E., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: T-MOBILE
TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
#4 BARS AND SMALLER.....40 ksi
#5 BARS AND LARGER.....60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER.....2"
#5 BARS AND SMALLER.....1-1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS.....3/4"
BEAMS AND COLUMNS.....1-1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL ELECTRICAL SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#8 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° F IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET CREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (I.E. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE		
SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
	A PHASE	BLACK
120/208V, 3Ø	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
	A PHASE	BROWN
277/480V, 3Ø	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
	POS (+)	RED**
DC VOLTAGE	NEG (-)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW	GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS
ORANGE	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT AND TRAFFIC LOOPS
BLUE	POTABLE WATER
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
GREEN	SEWERS AND DRAIN LINES

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CROWN
CASTLE

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FPA
FRENCH & PARRELLO
ASSOCIATES

1000 Route 34, Suite 101 • Wall, New Jersey 07719
t: 732-312-9900 f: 732-312-9901

T-MOBILE SITE NUMBER:

4HY1568A

BU #: 841273
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	01/12/2022	KAC	PRELIMINARY	JB

JOHN BOSCO, PE LIC. NO. 46924

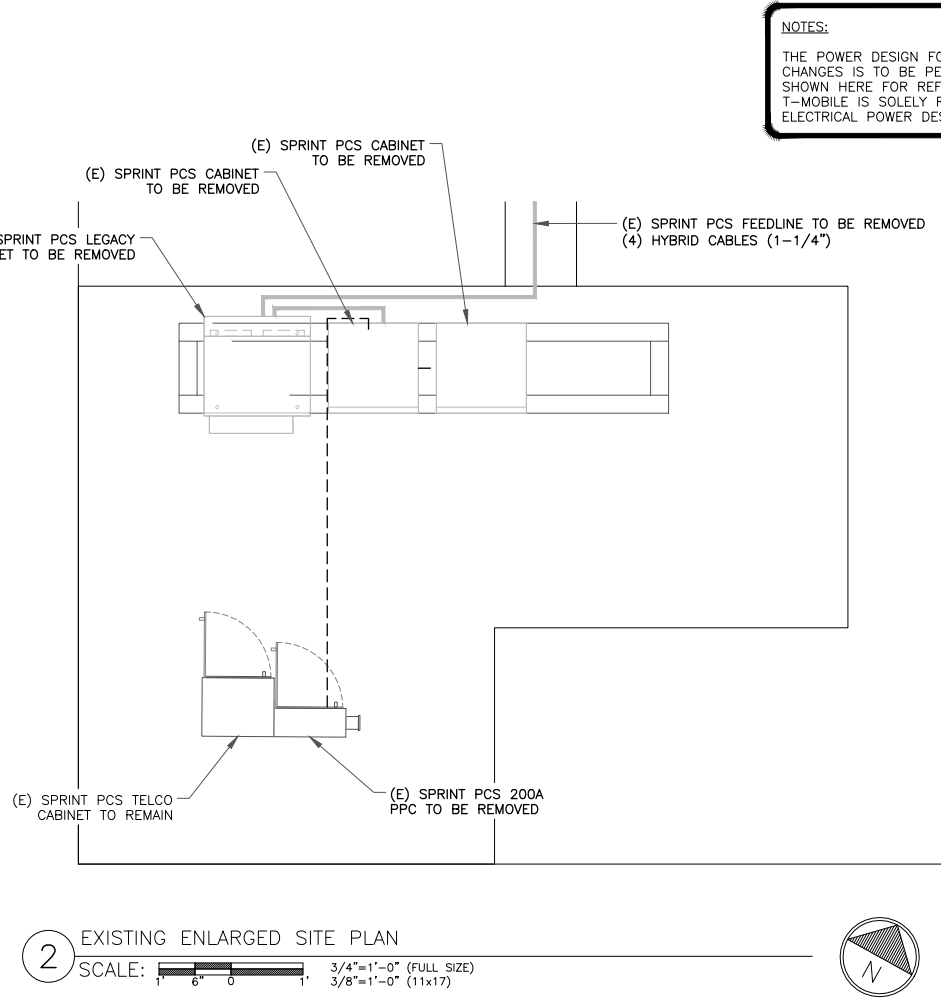
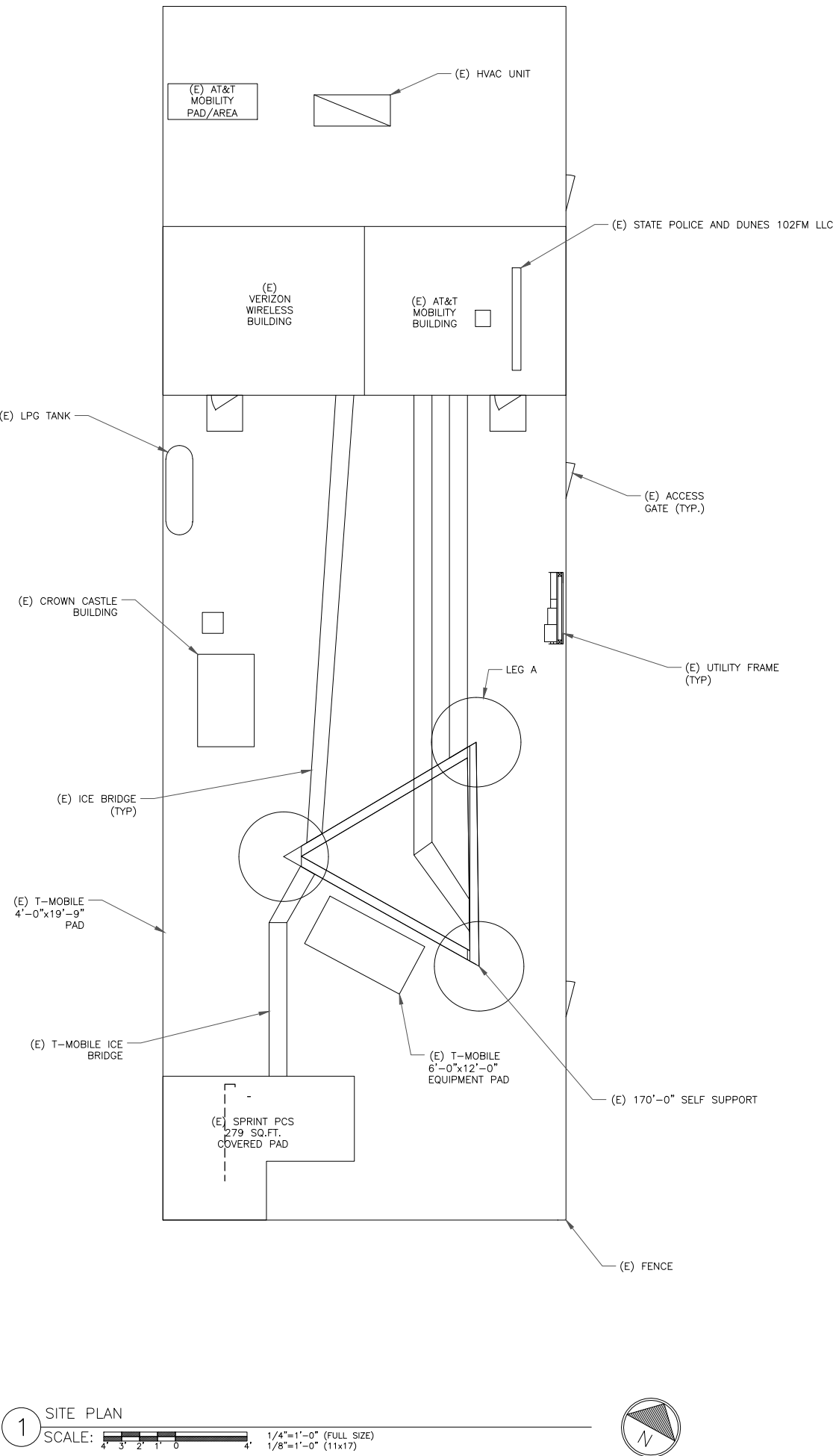
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SHEET NUMBER:

T-2

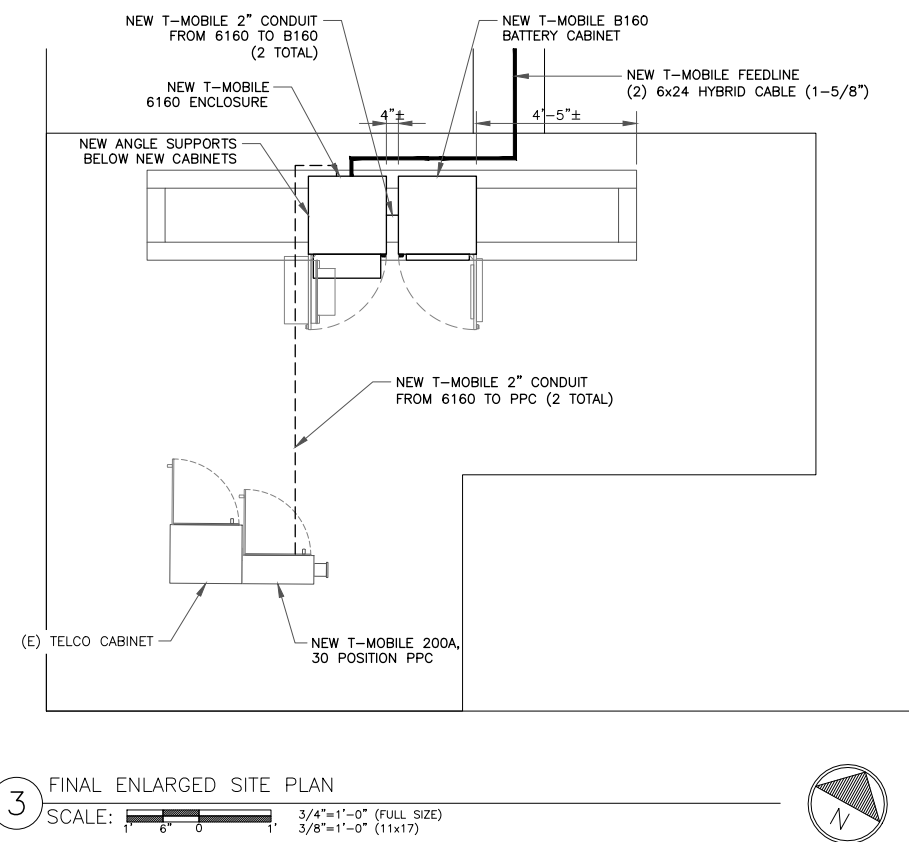
REVISION:

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NOTES:

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. T-MOBILE IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.



T-Mobile

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BLOOMFIELD, CT 06002

CROWN CASTLE

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MAHWAH, NJ 07430

FPA
FRENCH & PARRELLO ASSOCIATES

1000 Route 34, Suite 101 • West, New Jersey 07710
or 732.312.9600 • 732.312.9601

T-MOBILE SITE NUMBER:
4HY1568A

BU #: **841273**
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF SUPPORT

ISSUED FOR:

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SHEET NUMBER:
C-1

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TIP OF EQUIPMENT
ELEV. = 176'-0"

TOP OF SELF SUPPORT
ELEV. = 170'-0"

T-MOBILE EQUIPMENT
ANTENNA CL: 169'-0"
MOUNT CL: 168'-0"

ANY AND ALL TOWER
MOUNTED EQUIPMENT MUST
NOT TRAP OR INTERFERE W/
EXISTING SAFETY CLIMB

NEW T-MOBILE EQUIPMENT
(3) ANTENNAS (TYP.)
(2) RRHs (TYP.)

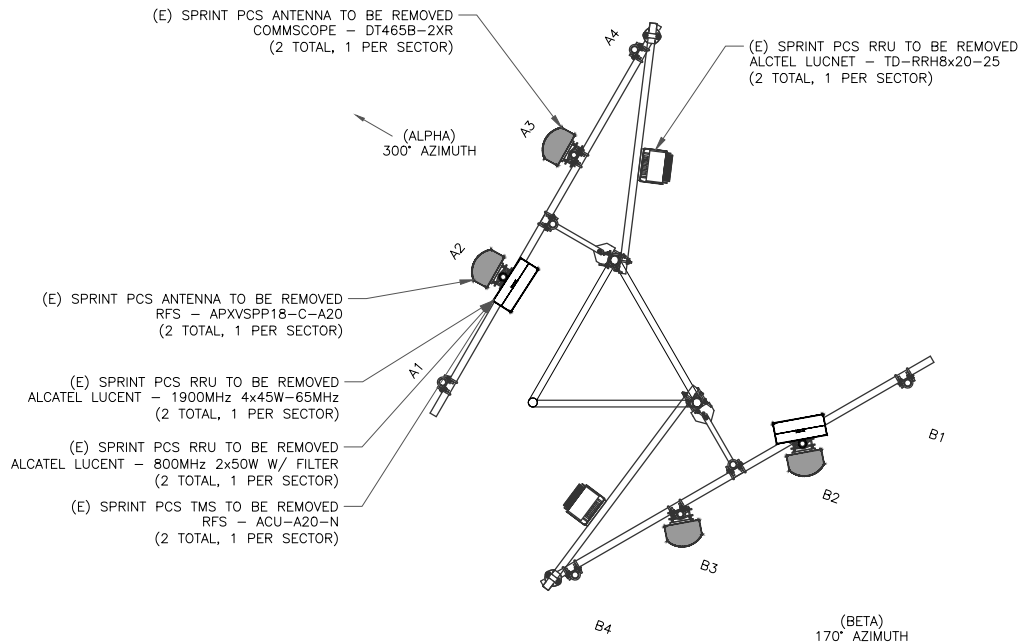
UNKNOWN ANTENNA
ELEV. = 170'-0"
SPRINT PCS ANTENNA
ELEV. = 170'-0"
DUNES 102FM LLC ANTENNA
ELEV. = 165'-0"
GCJH, INC ANTENNA
ELEV. = 160'-0"
SPRINT PCS ANTENNA
ELEV. = 158'-0"
UNKNOWN ANTENNA
ELEV. = 151'-0"
AT&T MOBILITY ANTENNA
ELEV. = 145'-0"
AT&T MOBILITY ANTENNA
ELEV. = 139'-0"
VERIZON WIRELESS ANTENNA
ELEV. = 130'-0"
DISH NETWORK ANTENNA
ELEV. = 122'-0"
UNKNOWN ANTENNA
ELEV. = 104'-0"
T-MOBILE ANTENNA
ELEV. = 96'-0"
DUNES 102FM LLC ANTENNA
ELEV. = 87'-0"
SPRINT PCS ANTENNA
ELEV. = 71'-0"

(E) 170'-0" SELF SUPPORT

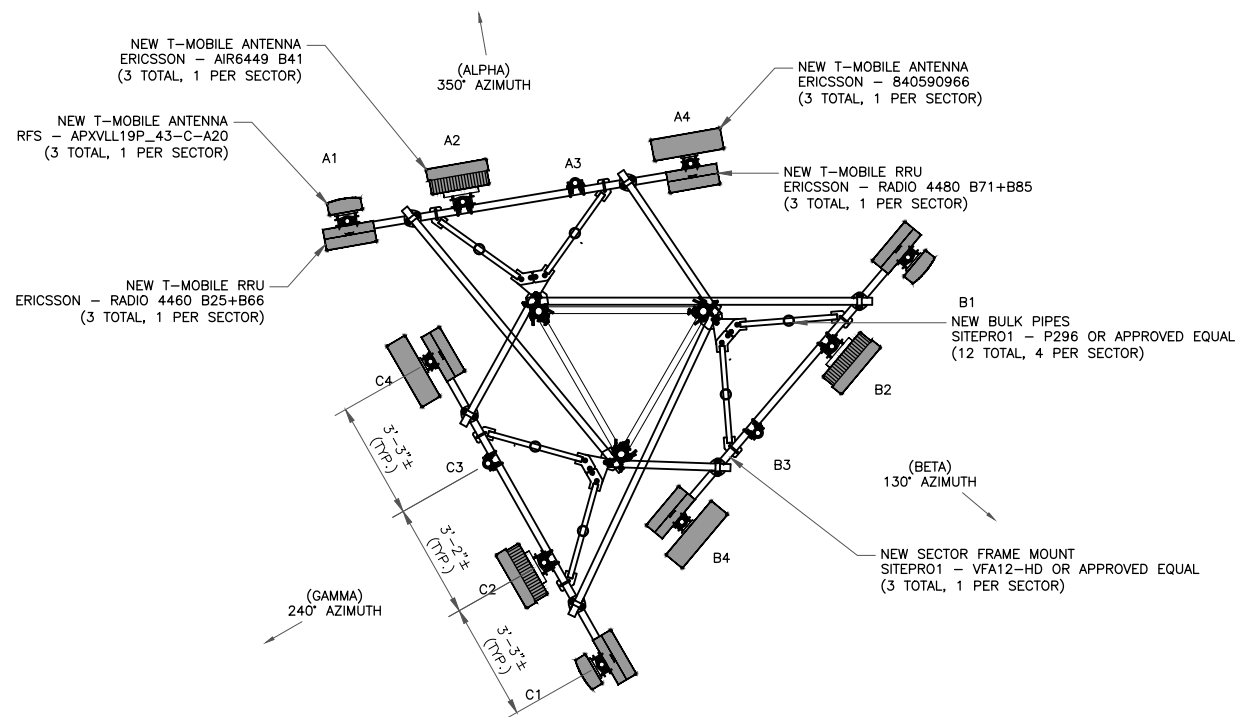
NEW T-MOBILE FEEDLINE
(2) 6x24 HYBRID CABLE (1-5/8")

111.0 AMSL

1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE



3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

T-Mobile

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

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CASTLE

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T-MOBILE SITE NUMBER:
4HY1568A

BU #: 841273
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:

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JOHN BOSCO, PE LIC. NO. 46924

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C-2

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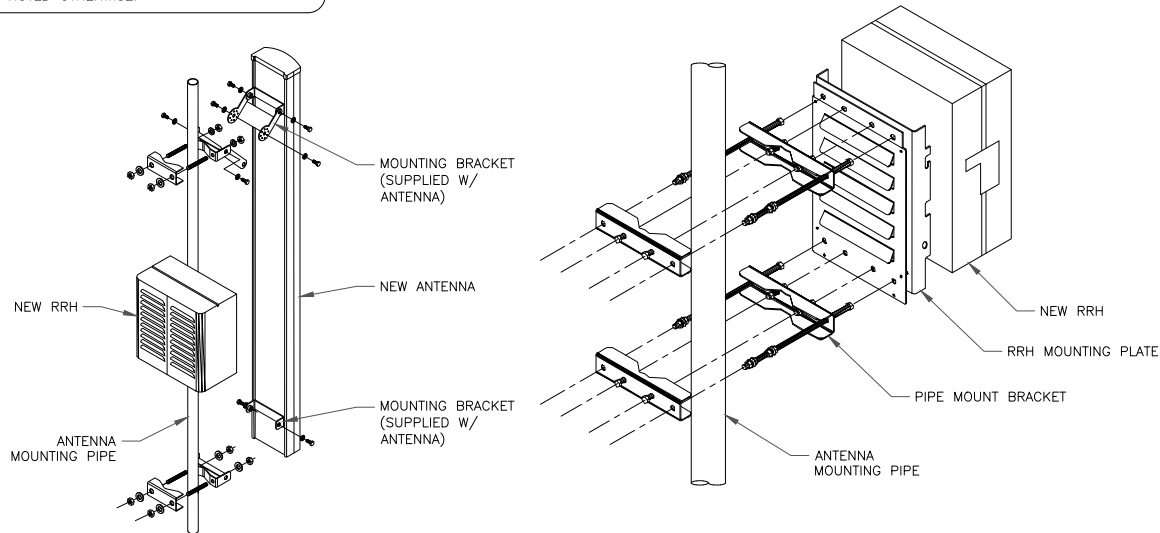
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ANTENNA SCHEDULE											
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE	FEEDLINE LENGTH
ALPHA	A1	LTE 1900/2100 GSM 1900	169'-0"	350'	RFS/CELWAVE	APXVAALL24_43-U-NA20	0'	-	(1) ERICSSON - RRUS 4449 B71+B85	(SHARED)	-
ALPHA	A2	LTE/N2.5	169'-0"	350'	ERICSSON	AIR6449 B41	0'	-	-	(SHARED)	-
ALPHA	A3	-	-	-	-	-	-	-	-	-	-
ALPHA	A4	LTE 600/700 N600	169'-0"	350'	ERICSSON	840590966	0'	-	(1) ERICSSON - RRUS 4460 B25 B66	(SHARED)	-
BETA	B1	LTE 1900/2100 GSM 1900	169'-0"	130'	RFS/CELWAVE	APXVAALL24_43-U-NA20	0'	-	(1) ERICSSON - RRUS 4449 B71+B85	(SHARED)	-
BETA	B2	LTE/N2.5	169'-0"	130'	ERICSSON	AIR6449 B41	0'	-	-	(2) 1-5/8" 6x24 HYBRID (SHARED)	228'-0"
BETA	B3	-	-	-	-	-	-	-	-	-	-
BETA	B4	LTE 600/700 N600	169'-0"	130'	ERICSSON	840590966	0'	-	(1) ERICSSON - RRUS 4460 B25 B66	(SHARED)	-
GAMMA	C1	LTE 1900/2100 GSM 1900	169'-0"	240'	RFS/CELWAVE	APXVAALL24_43-U-NA20	0'	-	(1) ERICSSON - RRUS 4449 B71+B85	(SHARED)	-
GAMMA	C2	LTE/N2.5	169'-0"	240'	ERICSSON	AIR6449 B41	0'	-	-	(SHARED)	-
GAMMA	C3	-	-	-	-	-	-	-	-	-	-
GAMMA	C4	LTE 600/700 N600	169'-0"	240'	ERICSSON	840590966	0'	-	(1) ERICSSON - RRUS 4460 B25 B66	(SHARED)	-

1 ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.



2 ANTENNA WITH RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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CROWN CASTLE

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T-MOBILE SITE NUMBER:
4HY1568A

BU #: 841273
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:

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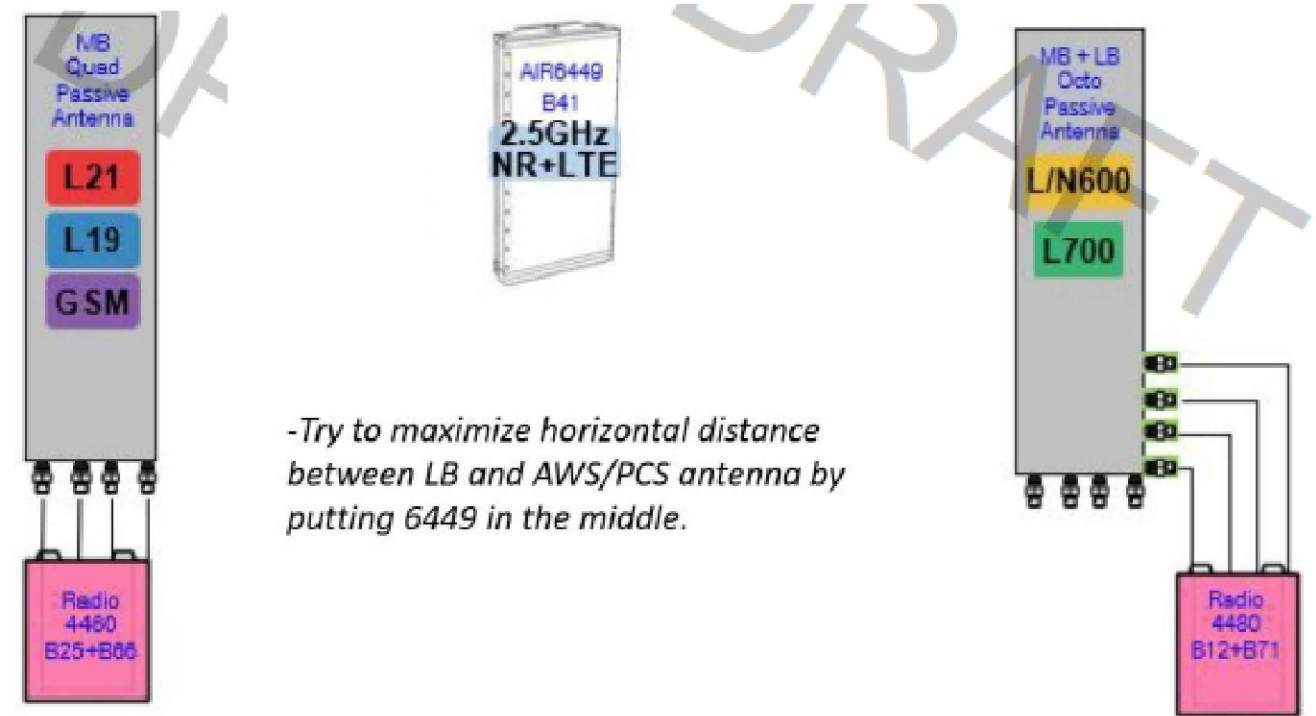
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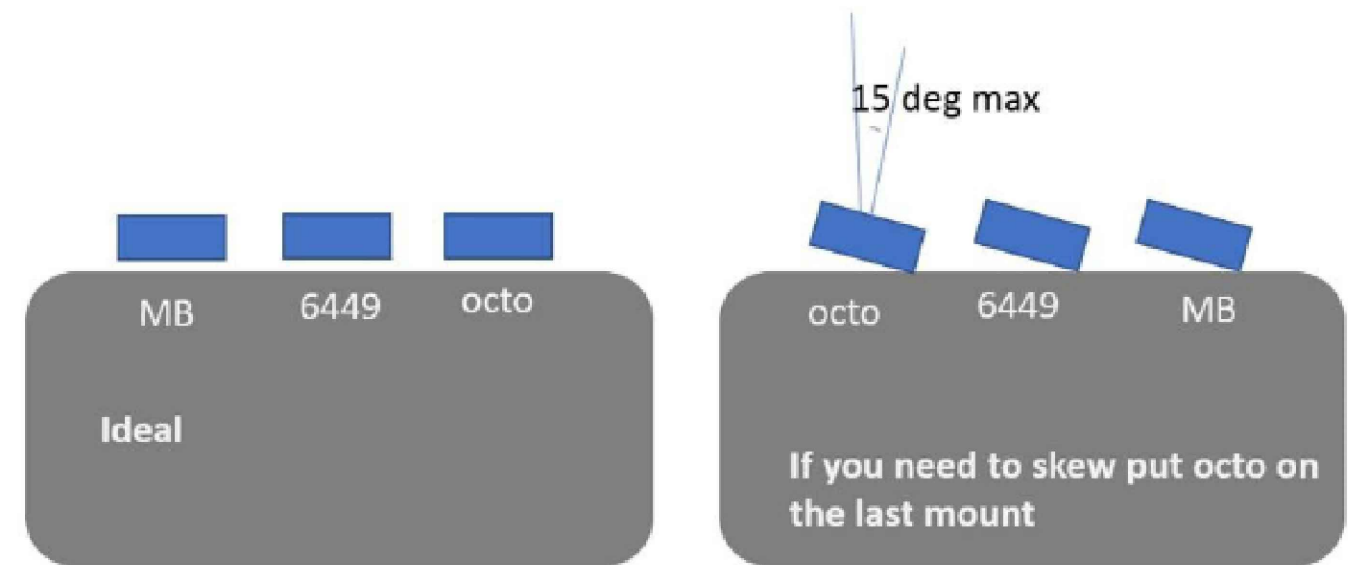
C-3

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Skewing_Placement.jpg



Note:
-Sometimes 15 degrees is still too much and need to be reduced.
-Try to maximize horizontal distance between LB and AWS/PCS antenna by putting 6449 in the middle.

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35 GRIFFIN ROAD
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T-MOBILE SITE NUMBER:
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TRURO

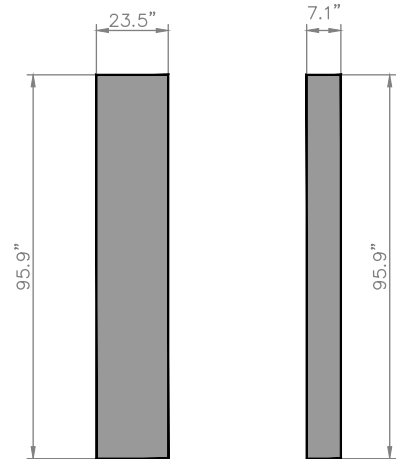
344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:				
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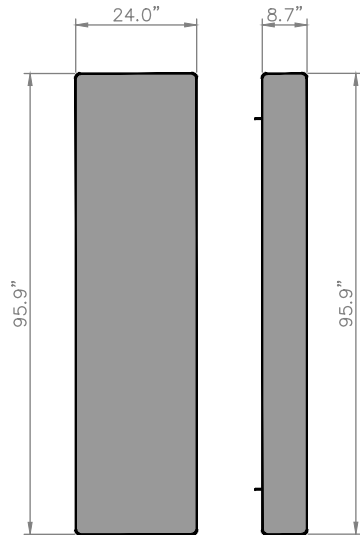
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SHEET NUMBER: **C-4** REVISION: **A**



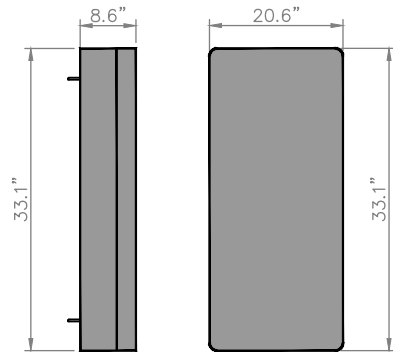
MECHANICAL SPECIFICATIONS:
OVERALL
HEIGHT: 95.9 IN.
WIDTH: 23.5 IN.
DEPTH: 7.1 IN.
WEIGHT: 135.8 LBS.

1 840590966 ANTENNA DETAIL
SCALE: NOT TO SCALE



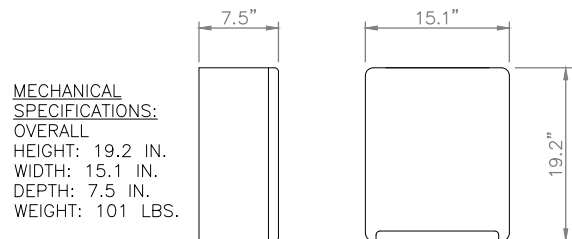
MECHANICAL SPECIFICATIONS:
OVERALL
HEIGHT: 95.9 IN.
WIDTH: 24.0 IN.
DEPTH: 8.5 IN.
WEIGHT: 122.8 LBS.

2 APXVLL19P_43-C-A20 ANTENNA DETAIL
SCALE: NOT TO SCALE



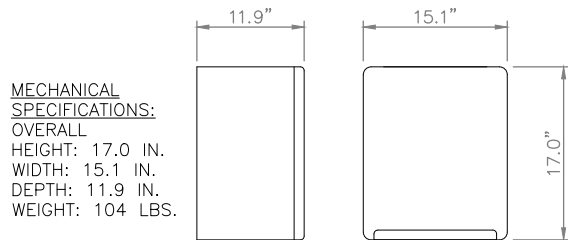
MECHANICAL SPECIFICATIONS:
OVERALL
HEIGHT: 33.1 IN.
WIDTH: 20.6 IN.
DEPTH: 8.6 IN.
WEIGHT: 104 LBS.

3 AIR6449 B41 ANTENNA DETAIL
SCALE: NOT TO SCALE



MECHANICAL SPECIFICATIONS:
OVERALL
HEIGHT: 19.2 IN.
WIDTH: 15.1 IN.
DEPTH: 7.5 IN.
WEIGHT: 101 LBS.

4 RADIO 4480 B71+B85 DETAIL
SCALE: NOT TO SCALE



MECHANICAL SPECIFICATIONS:
OVERALL
HEIGHT: 17.0 IN.
WIDTH: 15.1 IN.
DEPTH: 11.9 IN.
WEIGHT: 104 LBS.

5 RADIO 4460 B25 B66 DETAIL
SCALE: NOT TO SCALE



Technical Specifications		
Dimensions	Height	63 in.
	Width	25.6 in.
	Depth	33.5 in.
Max. Weight		605 lbs

6 6160 CABINET DETAIL
SCALE: NOT TO SCALE

T-Mobile

35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

FPA
FRENCH & PARRELLO
ASSOCIATES

1000 Route 34, Suite 101 • Wall, New Jersey 07719
Tel: 732-312-9900 Fax: 732-312-9901

T-MOBILE SITE NUMBER:
4HY1568A

BU #: 841273
TRURO

344 ROUTE 6
NORTH TRURO, MA 02652

EXISTING 170'-0" SELF
SUPPORT

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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REVISION: A

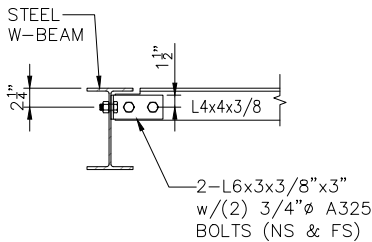
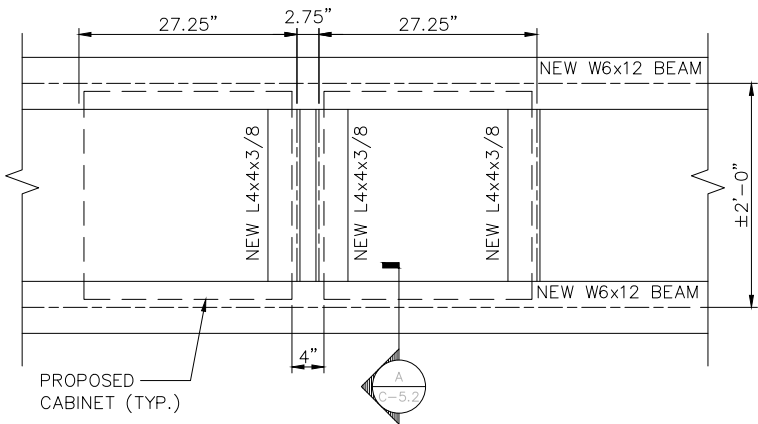


Technical Specifications		
Dimensions	Height	63 in.
	Width	25.6 in.
	Depth	25.6 in.
Max. Weight	1,883 lbs	

1 B160 BATTERY CABINET DETAIL
SCALE: NOT TO SCALE

STRUCTURAL STEEL NOTES:

- ALL STEEL WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (3/4" DIA) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO STEEL FABRICATION.
- ALL STRUCTURAL ANGLES AND PLATES SHALL BE ASTM A36.



NOTE:
USE 3/4"Ø BOLTS IN
7/8"Ø HOLES

A SECTION
C-5.2 NOT TO SCALE

2 6160 AND B160 MOUNTING DETAIL
SCALE: NOT TO SCALE

VERTIV™ XTE PTS SERIES

Mini PPC, 200 A



STANDARD FEATURES

- Mini AC power transfer switch enclosure is compact and lightweight.
- 30-position, 200 amp load center provides ample distribution
- Slide bar mechanical interlock prevents simultaneous use of utility and generator power
- Metal oxide varistor TVSS with remote alarms protects against surges
- NEMA 3R enclosure provides ample protection against wind and rain



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TM-11284 (R09/19)

Vertiv™ XTE PTS enclosures are co-located with active electronic enclosures in wireless networks to provide AC power transfer, surge protection, distribution, and T1 terminations for all wireless applications.

Specifications

ENCLOSURE	
Dimensions (H x W x D)	39" x 20" x 10"
Weight	Approx. 75 lbs.
External Material	0.1" thick aluminum with powder coat paint
Mounting	Wall, H-frame or pad-mount (optional 8" thick pad-mounting base)
Security	3-point door closure with 1/4 turn handle (pad-lockable), SS hinge
Weather Protection	Rain/drip hood
ELECTRICAL	
Voltage	240/120 VAC, single phase, 3 wire and ground
Service	200 A
Fault Current Rating	65 kAIC
AC Load Center	30-position, 200 A
Transfer Type	Slide bar mechanical interlock (prevents both sources from being energized simultaneously)
Branch Breakers	30 A, 240 VAC, square D (TVSS), 15 A, 120 VAC, square D (convenience outlets) Accepts branch circuit breakers up to 200A
Generator Inlet	Camlock single-pole connectors, 200A, 45 degree adapter
Bonding Jumper	Optional N-G bonding jumper kit (customer installed if required)
TVSS	Rated 20 kA, metal oxide varistors (MOV); 160 kA/phase, Remote alarm contacts and indicator lights
Grounding	Integrated ground bar
Convenience Outlet	GFCI, duplex receptacle (interior)
STANDARDS COMPLIANCE	
Safety	UL 891 dead front switchboard, NEMA type 3R

Ordering Information

PART NUMBER	CATALOG NUMBER	DESCRIPTION
TBD	CACA75214090	200A slide bar transfer device, 30-position load center, Camlock, 45 deg.
CATALOG NUMBER DEFINITION		
Cabinet Configuration	CAC-A	= Mini PPC
Load Center	7	= 200 A main, 30 pos.
AIC Rating	5	= 65K AIC Series Rated
Transfer Device	2	= Side bar mechanical interlock
Generator Inlet	14	= Camlock, 45 deg adapter, left side
Generator Inlet Accessories	0	= No angle adapter
TVSS	9	= IG12DS200RK-WW
Mounting Options	0	= None

3 VERTIV MINI 30 POSITION CAMLOCK PPC
SCALE: NOT TO SCALE



35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430



1000 Route 34, Suite 101 • West, New Jersey 07710
☎ 732-312-9000 ☎ 732-312-9001

T-MOBILE SITE NUMBER:
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BU #: 841273
TRURO

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35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430



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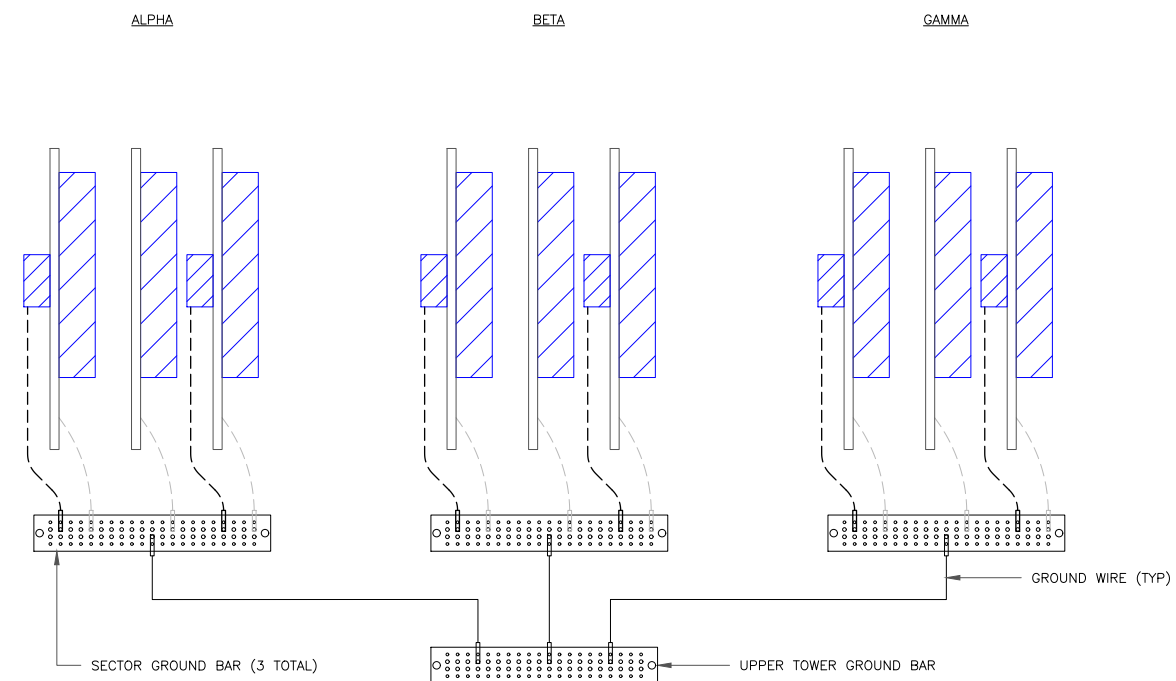
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NOTE:

ALL NEW GROUNDS TO BE #6 STRANDED
COPPER WITH GREEN INSULATION UNLESS
NOTED OTHERWISE.

1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE

JOHN BOSCO, PE

LIC. NO. 46924

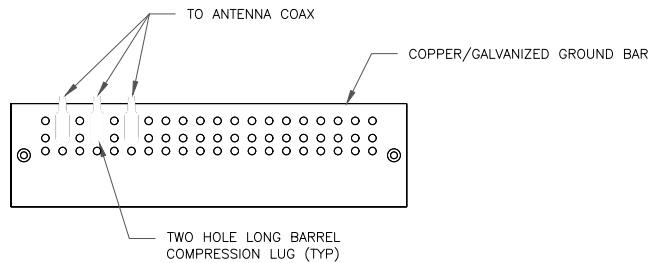
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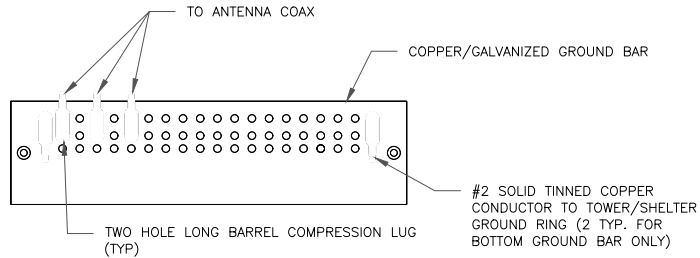
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NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

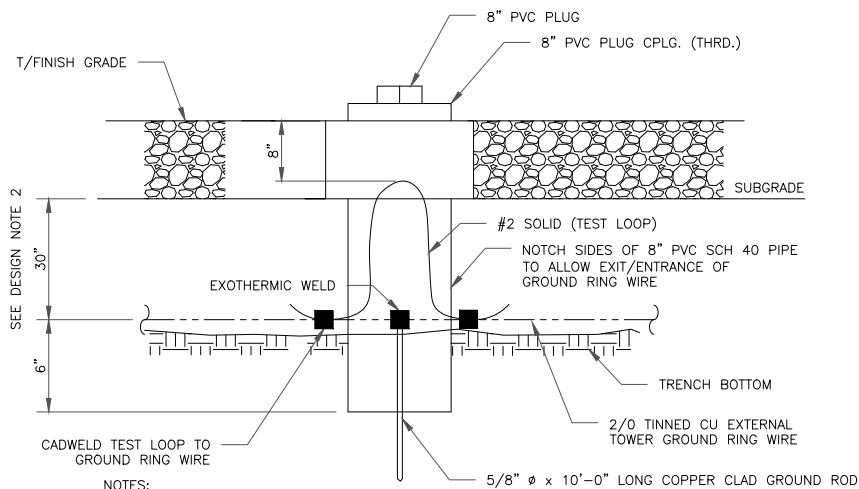
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

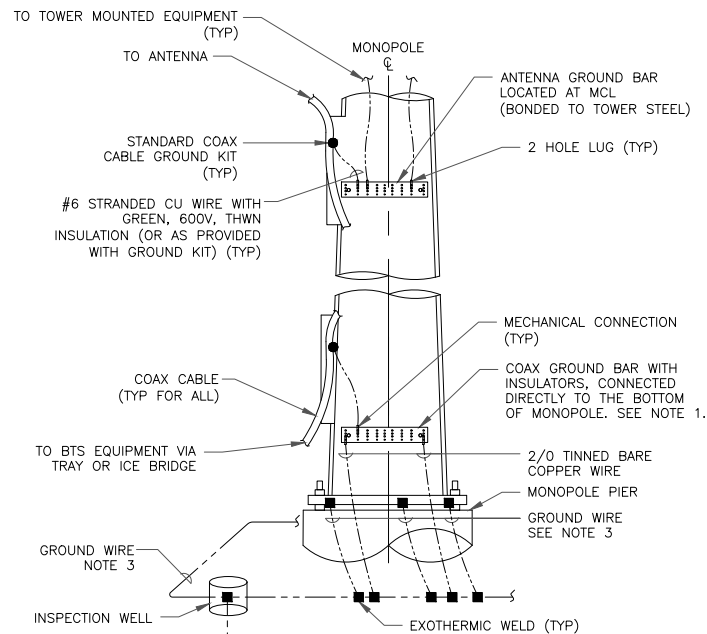
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D).

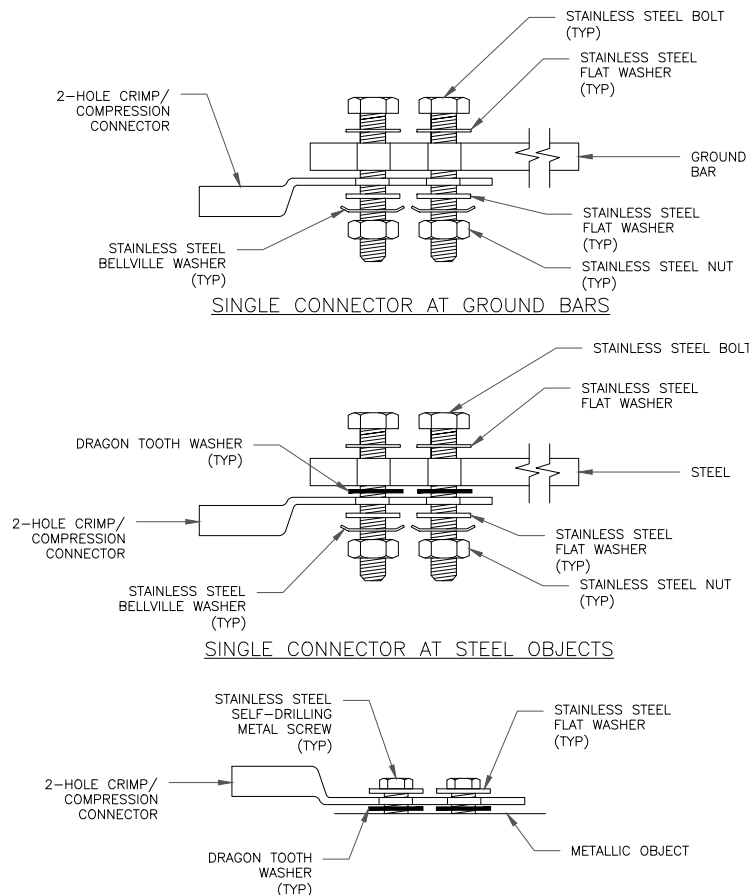
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



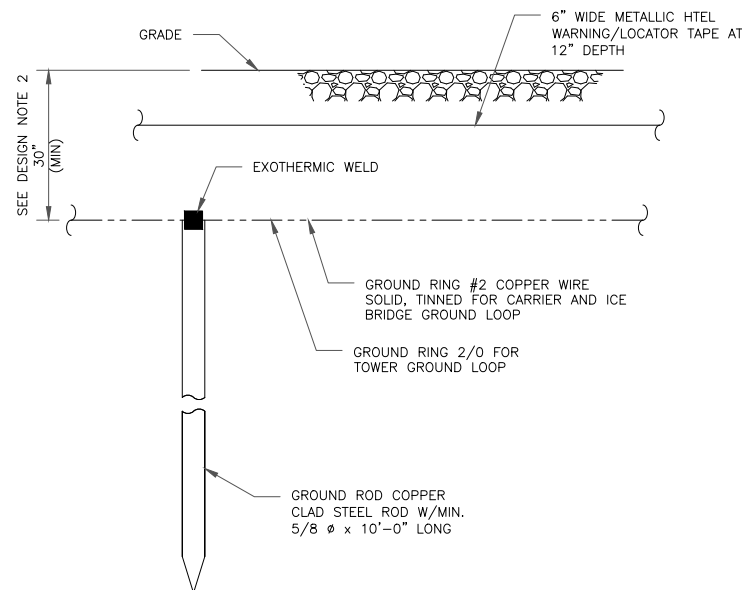
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D).

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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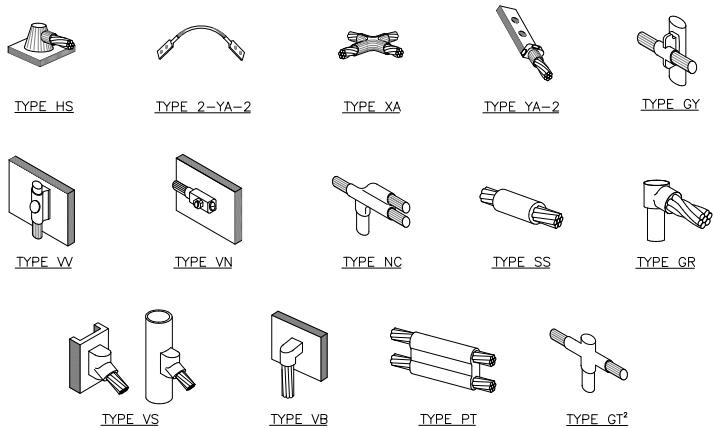
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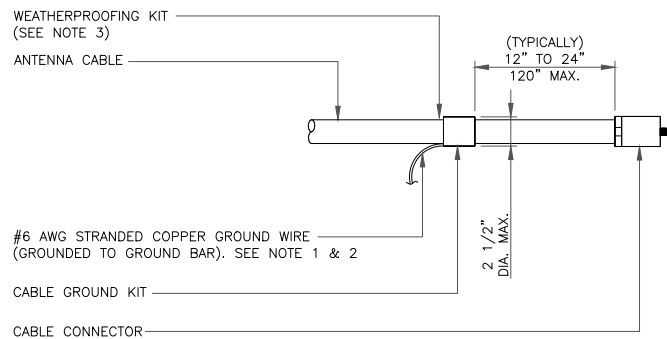
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NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

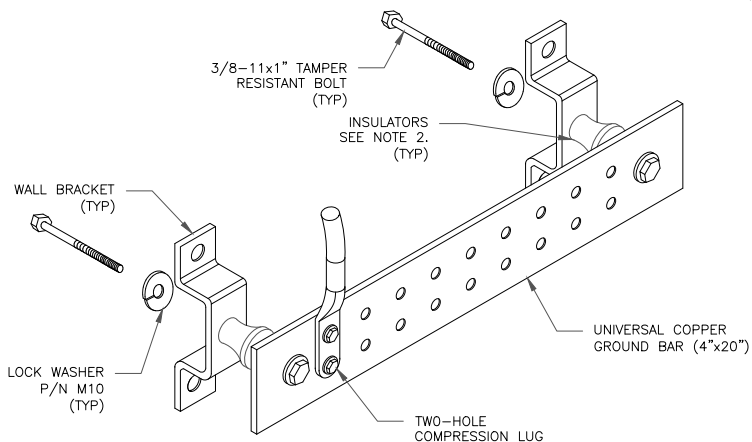
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

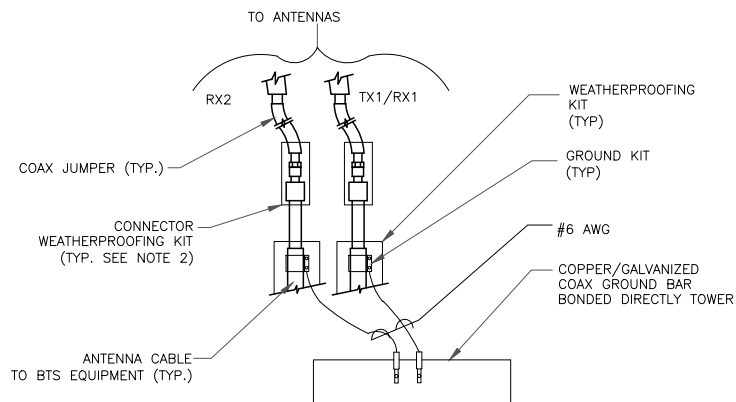
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY GAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

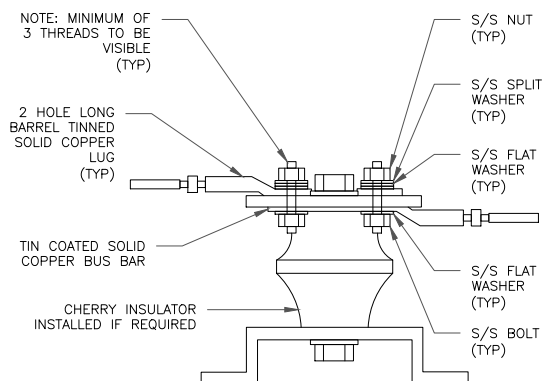
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

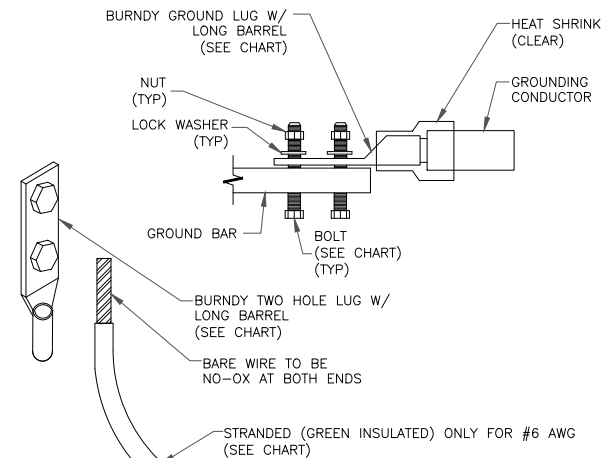
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

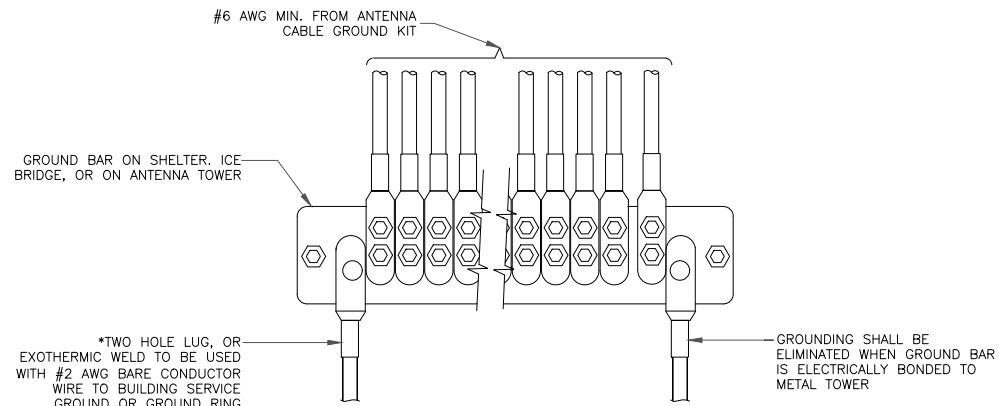
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



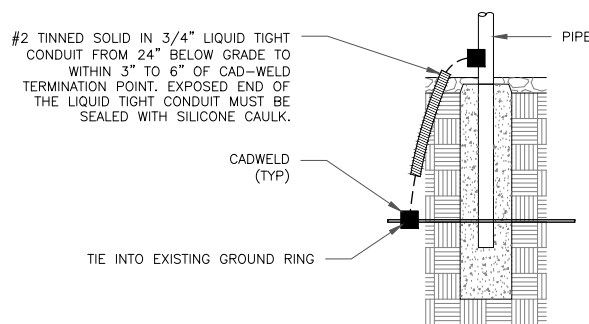
NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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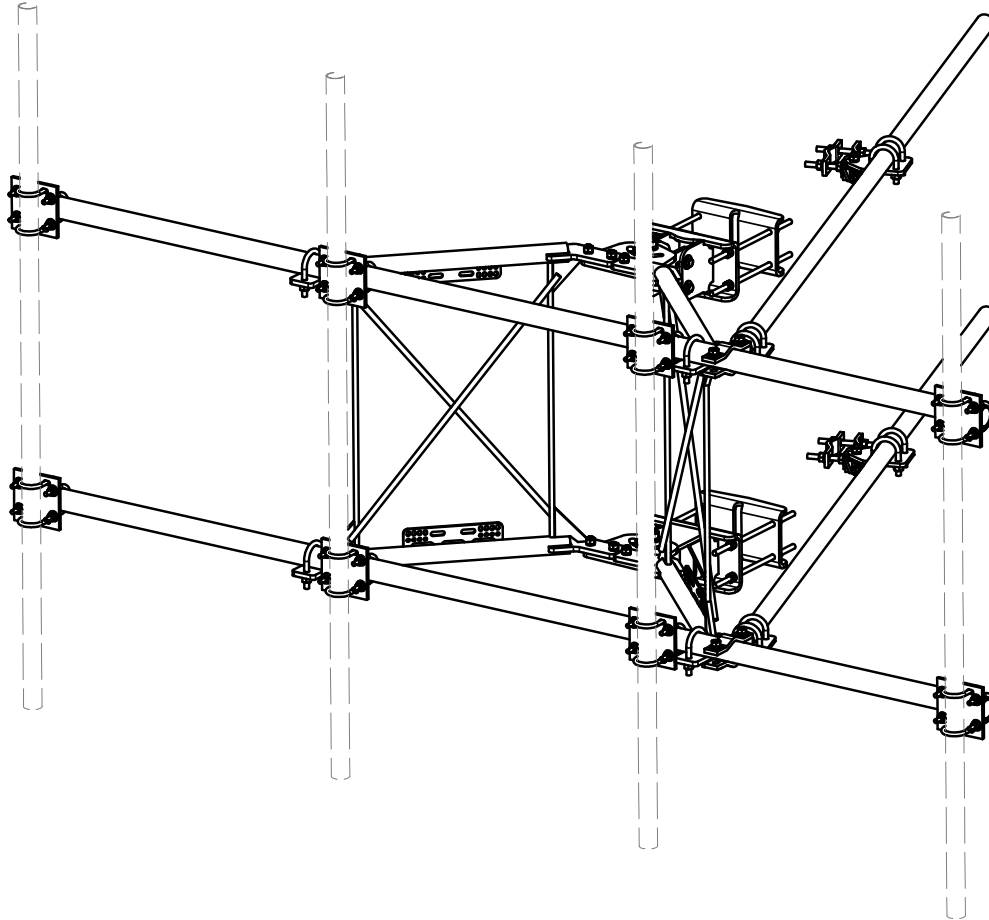
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PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-VFAW	SUPPORT ARM		71.41	142.81
2	1	X-HDCAMTBW	CLAMP WELDMENT FOR BCAM-HD		33.86	33.86
3	1	X-MHTPHD	MULTI-HOLE TAPER PLATE WELDMENT		36.24	36.24
4	2	X-VFAPL4	VFA-HD PIVOT PLATE	12 in	15.88	31.77
5	2	X-LCBP4	BENT BACKING PLATE	13 in	19.00	38.01
6	1	X-HDCAMSS	ANGLE ADJUSTMENT WELDMENT FOR BCAM-HD		16.39	16.39
7	4	X-SPTB	SLIDING PIPE TIE BACK PLATE	5 1/2 in	5.87	23.49
8	1	X-HDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM-HD		2.58	2.58
9	4	X-TBCA	TIE BACK CLIP ANGLE		2.01	8.02
10	8	SCX2	CROSSOVER PLATE	7 in	4.80	38.37
11	4	MCP	CLAMP HALF 1/2" THICK, 11-5/8" LONG	12 1/16 in	3.59	14.37
12	8	DCP	1/2" THICK, 5-3/4" CTR TO CENTER CLAMP HALF	8 1/8 in	2.36	18.90
13	2	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	81.50
14	2	P30150	2-7/8" X 150" (2-1/2" SCH. 40) GALVANIZED PIPE	150 in	76.94	153.87
15	4	A34212	3/4" x 2-1/2" UNC HEX BOLT (A325)	2 1/2 in	0.48	1.92
16	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
17	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
18	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
19	8	G58R-18	5/8" x 18" THREADED ROD (HDG.)	18 in	0.40	3.19
20	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		1.05	4.18
21	4	G58R-8	5/8" x 8" THREADED ROD (HDG.)		0.70	2.79
22	4	X-UB5300	5/8" X 3" X 5-1/4" X 2-1/2" U-BOLT (HDG.)		1.15	4.60
23	8	X-UB5258	5/8" X 2-5/8" X 4-1/2" X 2" U-BOLT (HDG.)		1.00	8.00
24	2	G5807	5/8" x 7" HDG HEX BOLT GR5 FULL THREAD	7 in	0.70	1.41
25	1	G5806	5/8" x 6" HDG HEX BOLT GR5 FULL THREAD	6 in	0.62	0.62
26	8	G5804	5/8" x 4" HDG HEX BOLT GR5		0.44	3.55
27	4	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.08
28	8	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	2.50
29	25	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	1.76
30	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
31	71	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	9.22
32	32	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	23.64
33	16	X-UB1212	1/2" X 2" X 3" X 1-1/4" U-BOLT (HDG.)		0.60	9.56
34	64	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.18
35	64	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.89
36	64	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	4.58
					TOTAL WT. #	738.06

D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

TOLERANCE NOTES

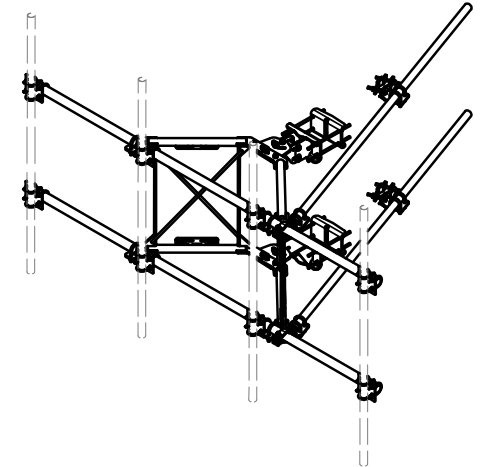
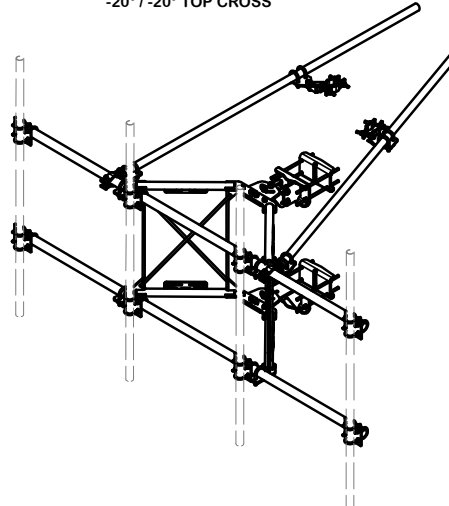
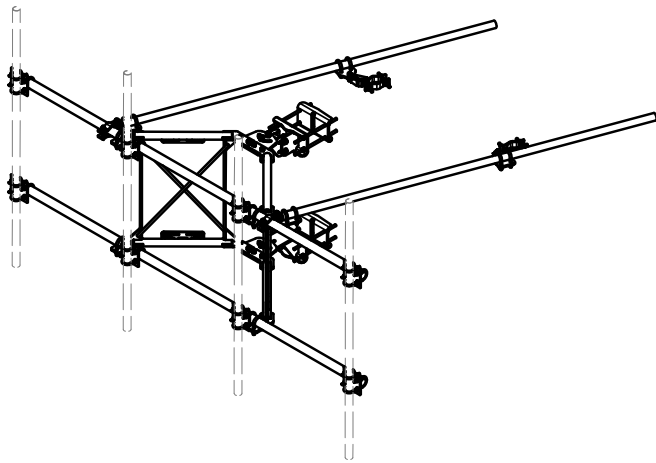
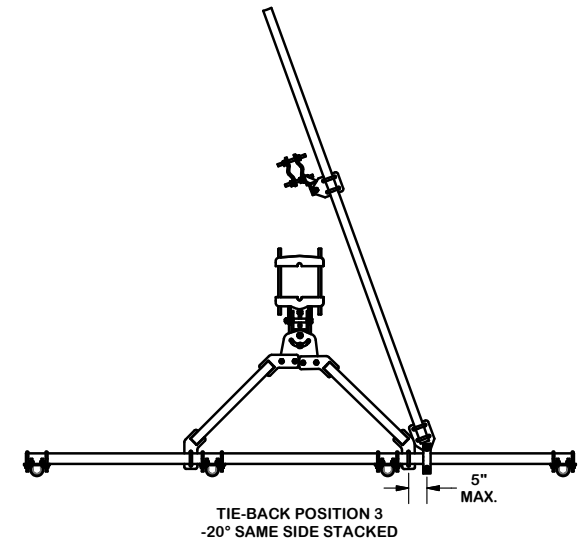
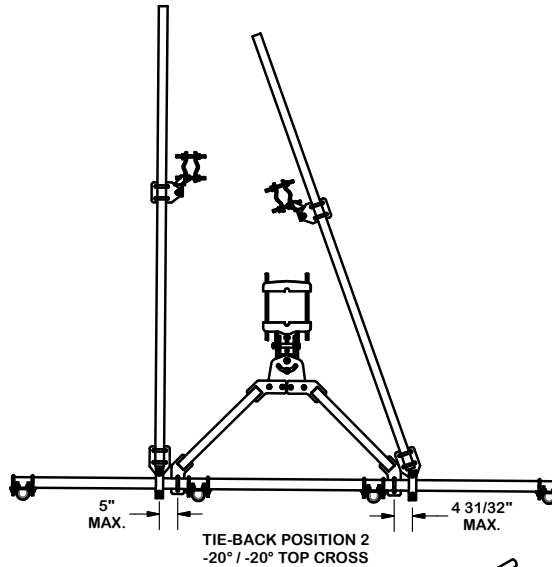
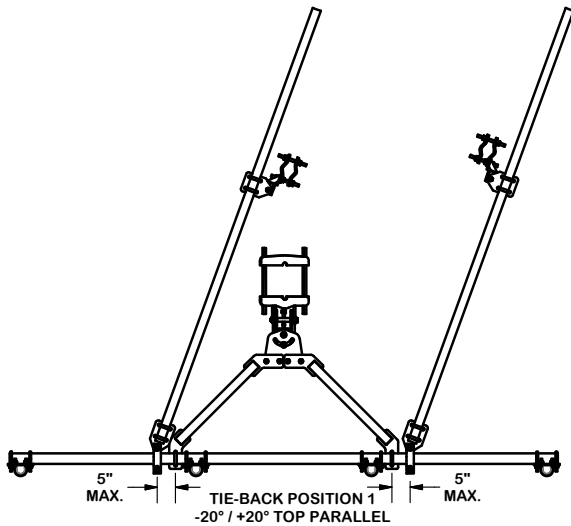
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
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BENDS ARE $\pm 1/2$ DEGREE
ALL OTHER MACHINING ($\pm 0.030"$)
ALL OTHER ASSEMBLY ($\pm 0.060"$)

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION		
12' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS		
CPD NO.	DRAWN BY	ENG. APPROVAL
	CEK 1/25/2017	
CLASS	DRAWING USAGE	CHECKED BY
81	CUSTOMER	BMC 12/13/2017
SUB		
02		

SITE PRO 1		Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
Engineering Support Team: 1-888-753-7446		
A valmont COMPANY		
PART NO.	VFA12-HD	
DWG. NO.	VFA12-HD	

TIE-BACK POSITIONS



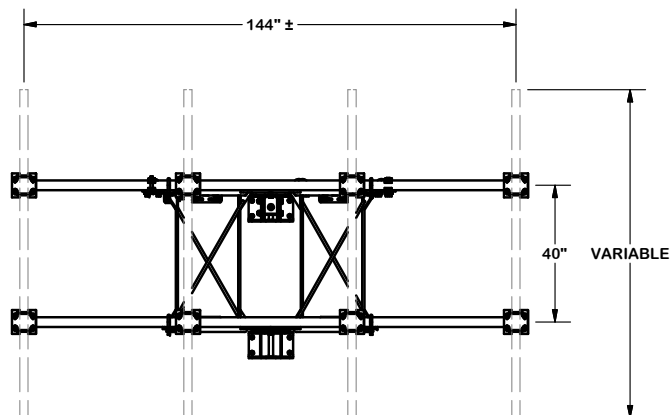
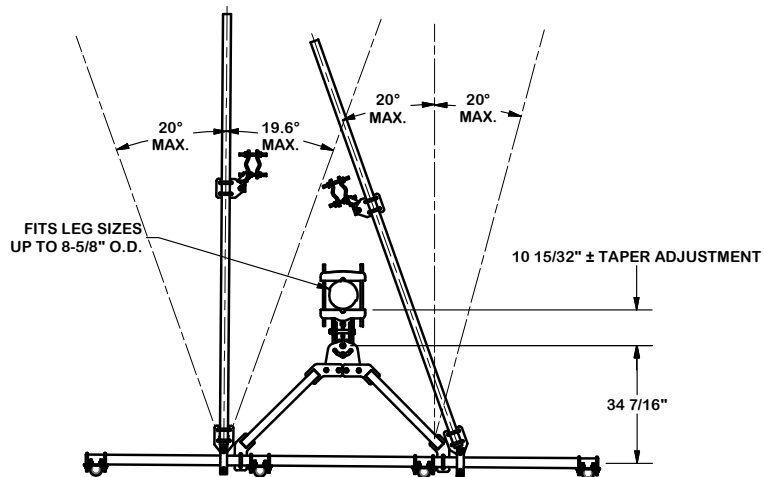
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017
REVISION HISTORY				

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
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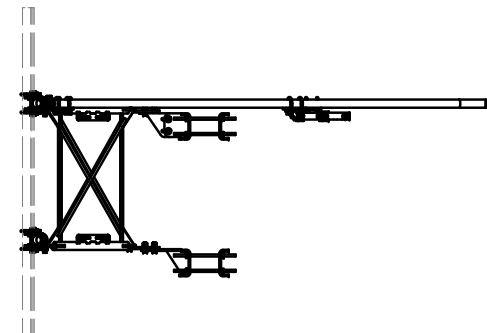
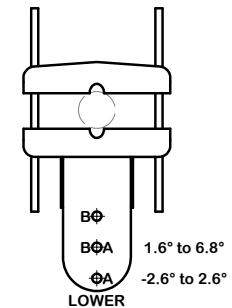
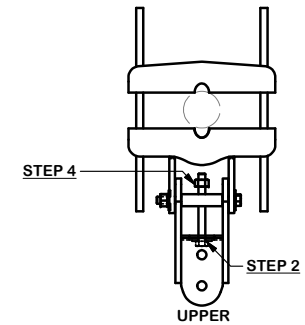
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DESCRIPTION		12' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS		SITE PRO 1 A valmont COMPANY Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX Engineering Support Team: 1-888-753-7446	
CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	VFA12-HD	
CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.	VFA12-HD
81	02	CUSTOMER	BMC 12/13/2017		



ANGLE CALIBRATING PROCEDURE:

1. MEASURE TOWER TAPER AND PICK LOWER BRACKET HOLE:
 - HOLE A = -2.6° TO 2.6°
 - HOLE B = 1.6° TO 6.8°
2. USE CALIBRATING BOLT TO ADJUST FRAME TO DESIRED TAPER
3. TORQUE LOCKING BOLTS TO 100 ft.-lbs.
4. ADVANCE LOCKING NUT TO POSITIONING PLATE, THEN TIGHTEN.




REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017

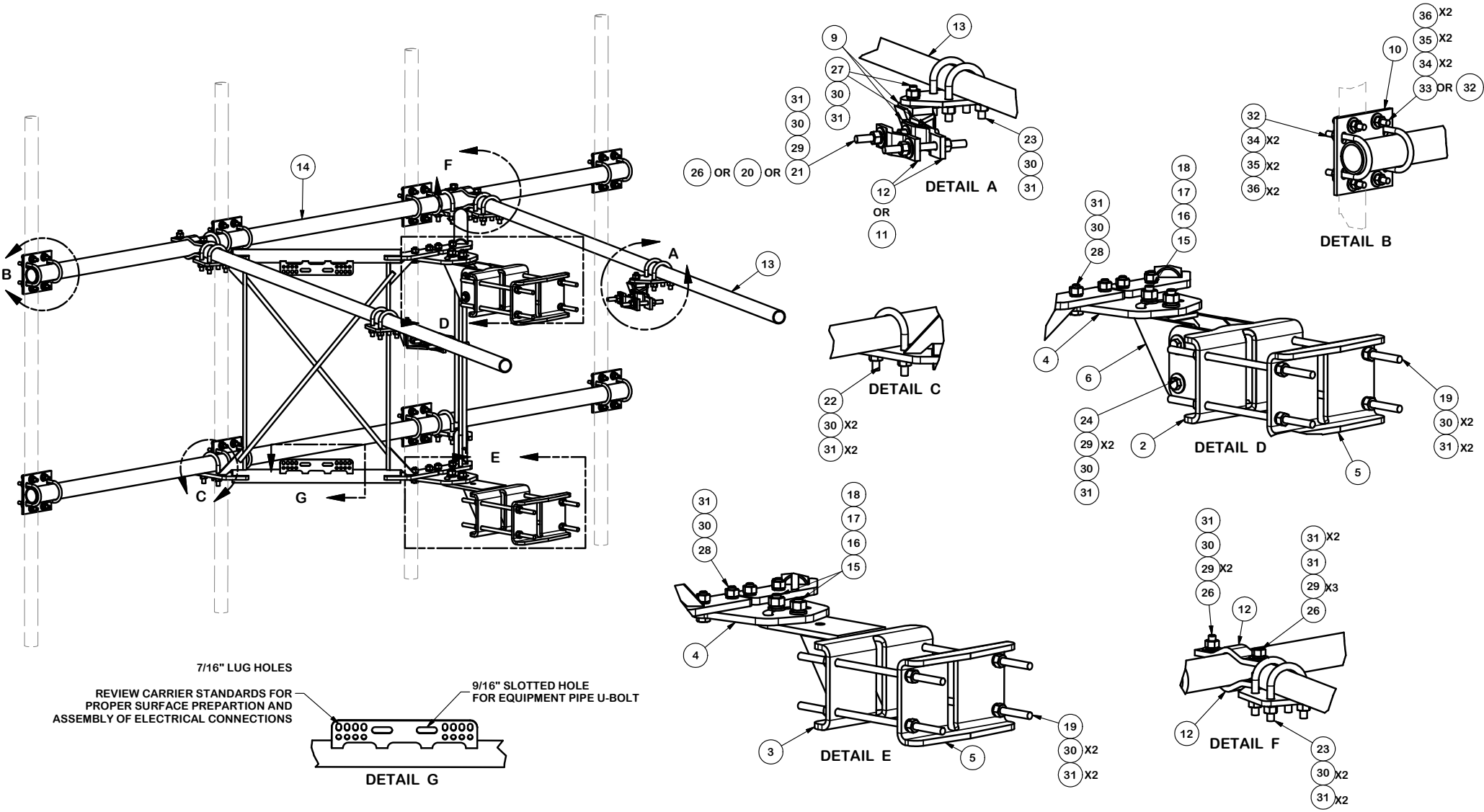
REVISION HISTORY

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DESCRIPTION			<div>12" 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS</div>			<div><div><div><div>SITE PRO</div><div>1</div></div><div><div>Engineering Support Team: 1-888-753-7446</div></div></div><div><div>Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX</div></div></div> <div><div>A valmont</div><div></div><div>COMPANY</div></div>		
CPD NO.		DRAWN BY CEK 1/25/2017		ENG. APPROVAL		PART NO. VFA12-HD		3 OF 5
CLASS 81		SUB 02		DRAWING USAGE CUSTOMER		CHECKED BY BMC 12/13/2017		
				DWG. NO. VFA12-HD				



D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2		CEK	6/29/2018
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION		CEK	12/7/2017
B	CHANGED TIE-BACK BACK CONNECTION		CEK	7/31/2017
A	CHANGED TIE-BACK FRONT CONNECTION		CEK	2/2/2017
REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
REVISION HISTORY				

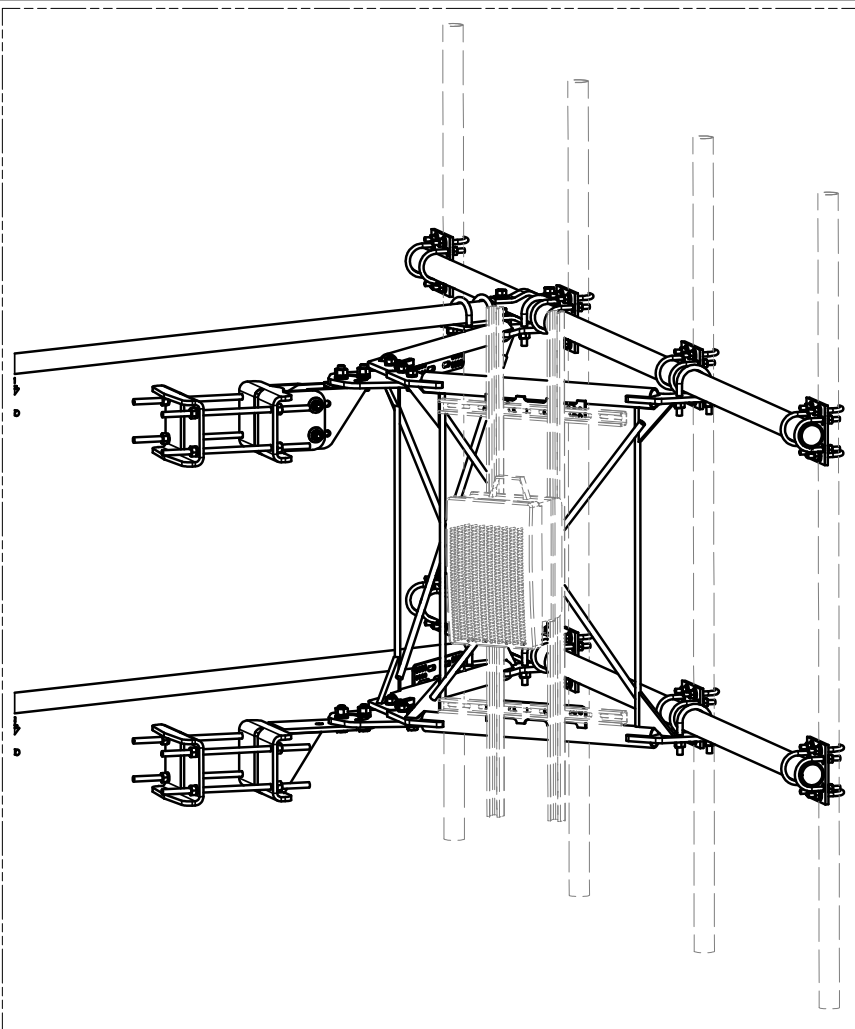
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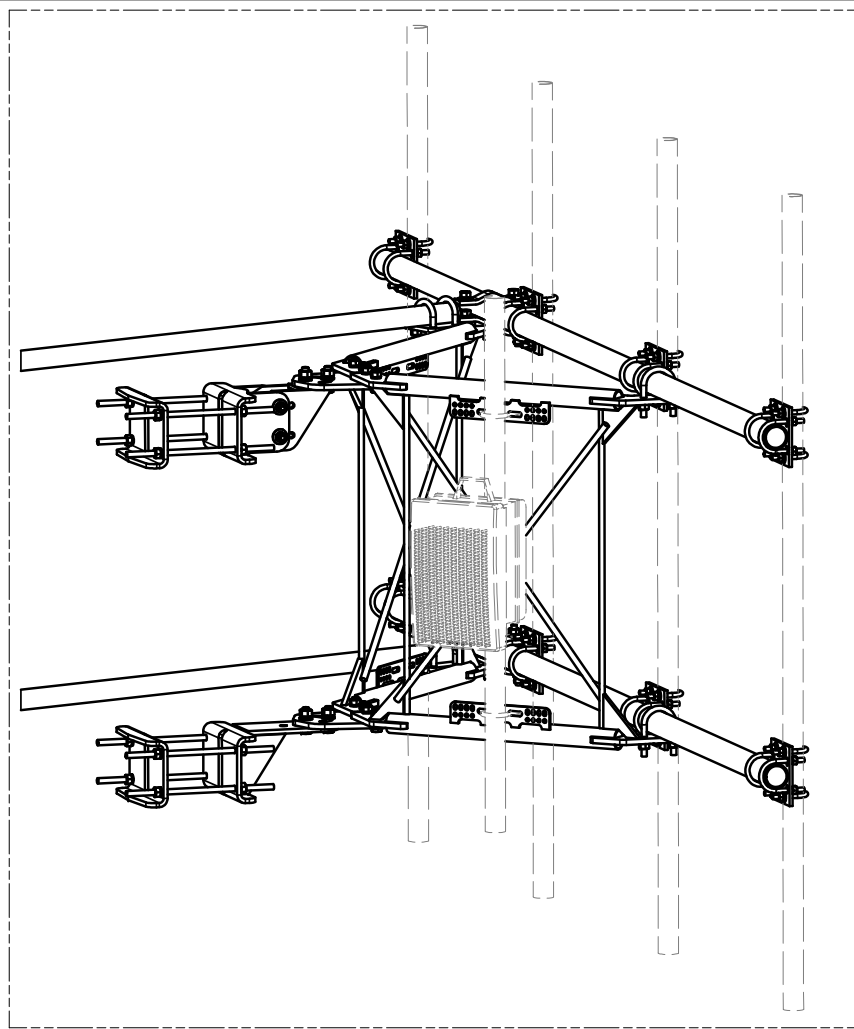
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CPD NO.	DRAWN BY	ENG. APPROVAL	
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CLASS	SUB	DRAWING USAGE	CHECKED BY
81	02	CUSTOMER	BMC 12/13/2017

SITE PRO 1 A valmont COMPANY		Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX
Engineering Support Team: 1-888-753-7446		
PART NO.	VFA12-HD	
DWG. NO.	VFA12-HD	



UNISTRUT AND HARDWARE
SOLD SEPARATELY.

REQUIRES 3/8" HARDWARE



EQUIPMENT PIPE AND HARDWARE
SOLD SEPARATELY.

REQUIRES 1/2" HARDWARE
AND 2-3/8" TO 4-1/2" O.D. PIPE

					<div>TOLERANCE NOTES</div> <div>TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE: SAWED, SHEARED AND GAS CUT EDGES ($\pm 0.030"$) DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES BENDS ARE $\pm 1/2$ DEGREE ALL OTHER MACHINING ($\pm 0.030"$) ALL OTHER ASSEMBLY ($\pm 0.060"$)</div> <div>PROPRIETARY NOTE: THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.</div>				<div>DESCRIPTION</div> <div>12' 6" HEAVY DUTY V-FRAME ASSEMBLY WITH TWO STIFF ARMS</div>				<div><div><div><div>SITE PRO 1</div><div>A valmont COMPANY</div></div><div>Engineering Support Team: 1-888-753-7446</div><div>Locations: New York, NY Atlanta, GA Los Angeles, CA Plymouth, IN Salem, OR Dallas, TX</div></div></div>			
D	UPDATED BCAM VERSION 1 TO BCAM VERSION 2			CEK	6/29/2018	CPD NO.	DRAWN BY CEK 1/25/2017		ENG. APPROVAL		PART NO.	VFA12-HD		5 OF 5		
C	UPDATED PIN LEG CONNECTION TO B-CAM CONNECTION			CEK	12/7/2017											
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A	CHANGED TIE-BACK FRONT CONNECTION			CEK	2/2/2017											
REV	DESCRIPTION OF REVISIONS			CPD	BY	DATE	CLASS 81	SUB 02	DRAWING USAGE CUSTOMER	CHECKED BY BMC 12/13/2017	DWG. NO.	VFA12-HD				
REVISION HISTORY																



2055 S Stearman Dr,
Chandler, AZ 85286

Phone: (480) 734-2404
Email:
Kayla.Conger@crowncastle.com
www.crowncastle.com

April 4, 2022

TOWN OF TRURO
PO BOX 2012
TRURO, MA 02666

Re: BU 841273 / "TRURO" / 344 ROUTE 6, NORTH TRURO, MA 02652 ("Site")
Lease Agreement, dated June 28, 1994, as it may have been amended and assigned ("Lease")
Consent for sublease

Dear TOWN OF TRURO,

I am reaching out to you on behalf of CCATT LLC ("Lessee") in order to obtain your consent as may be required by the Lease.

In order to better serve the public and minimize the amount of towers in an area where this property is located, DISH Network intends to sublease a portion of the Site. The sublease will include installation of new equipment within the lease area; however, it will not alter the character or use of the site nor will it change the nature of the occupancy of the Site. As used in this letter, the term "sublease" may include any arrangement by which a third party can install and operate its equipment at the Site as permitted under the Lease.

Under the Lease, Landlord's consent cannot be unreasonably withheld, conditioned or delayed. Please provide your consent **on or before April 18, 2022** by signing below and returning to Kayla.Conger@crowncastle.com so that we may install DISH Network's equipment as permitted under the Lease.

Please see the enclosed supplemental materials, as may be required by the Lease. If you have any questions concerning this request, please contact Kayla Conger at (480) 734-2404 or Kayla.Conger@crowncastle.com

Sincerely,

A handwritten signature in cursive script that reads 'Kayla Conger'.

Kayla Conger
Real Estate Specialist

Agreed and accepted _____
(Date)

(Lessor's signature)

(Lessor's name and title)

TOWN OF TRURO

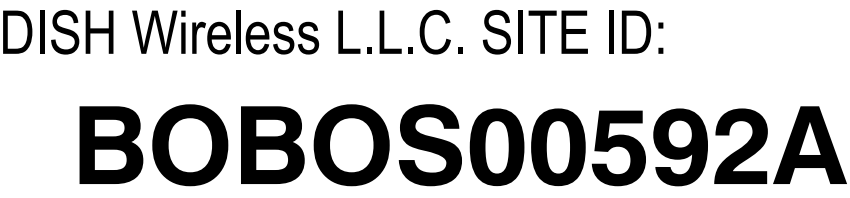
April 4, 2022

Page 2

[Enclosures]

P.S. Please indicate below if you are interested in learning more about removing the obligation for you to sign these consent letters and receive a notice letter instead.

☐ *(check here) Yes, I'm interested in learning more.*



**344 ROUTE 6
NORTH TRURO, MA 02652**

<u>CODE TYPE</u>	<u>CODE</u>
BUILDING	MA STATE BUILDING CODE, 9TH EDITION (780 CMR)/2015 IBC W/ AMENDMENTS
MECHANICAL	MA STATE BUILDING CODE, 9TH EDITION (780 CMR)/2015 IMC W/ AMENDMENTS
ELECTRICAL	MA ELECTRICAL CODE/2020 NEC W/ AMENDMENTS

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	COMPOUND AND EQUIPMENT PLANS
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES
GN-4	GENERAL NOTES

GROUND SCOPE OF WORK:

- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC CABINET
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)
- INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED NEW 200A METER IN EXISTING SOCKET

An aerial photograph showing a mobile phone tower structure with multiple antennas mounted on a lattice of metal beams. The tower is situated in a fenced-in area next to a large, dark-roofed building. Various pieces of equipment, including a large white cylindrical tank and several smaller boxes, are visible around the tower. A paved parking lot with several cars is in the foreground, and a road runs along the bottom edge of the image.



THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

TELEPHONE COMPANY: CROWN CASTLE

RF ENGINEER: TBD

DIRECTIONS FROM DISH Wireless L.L.C. OFFICE/AIRPORT/DOWNTOWN:
START OUT GOING EAST ON RACE POINT RD. TURN RIGHT TO STAY ON RACE POINT RD. TURN LEFT ONTO
ROUTE 6/US-6 W. CONTINUE TO FOLLOW US-6 W. 344 ROUTE 6, NORTH TRURO, MA 02652, 344 ROUTE 6 IS
ON THE RIGHT.

Parker Dr

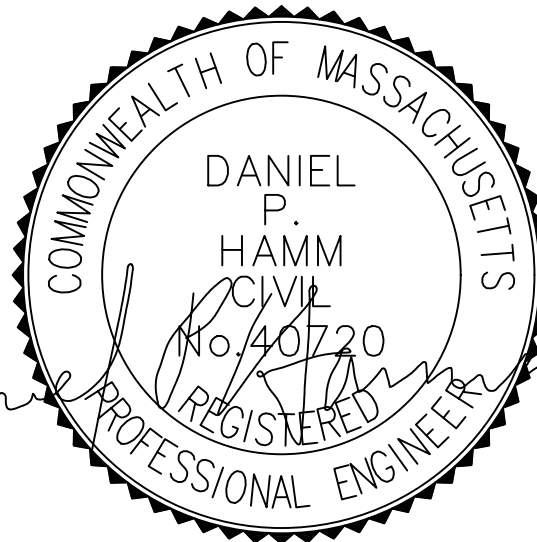
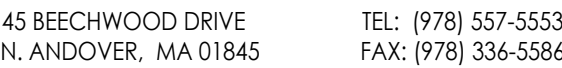
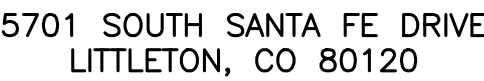
Parker Dr

6

SITE LOCATION

N

NO SCALE



IT IS A VIOLATION OF LAW FOR ANY PERSON,
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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

PS	SMA	DPH
----	-----	-----

RFDS REV #: 2

SUBMITTALS

A&E PROJECT NUMBER

BOBOS00592A

DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652

SHEET TITLE

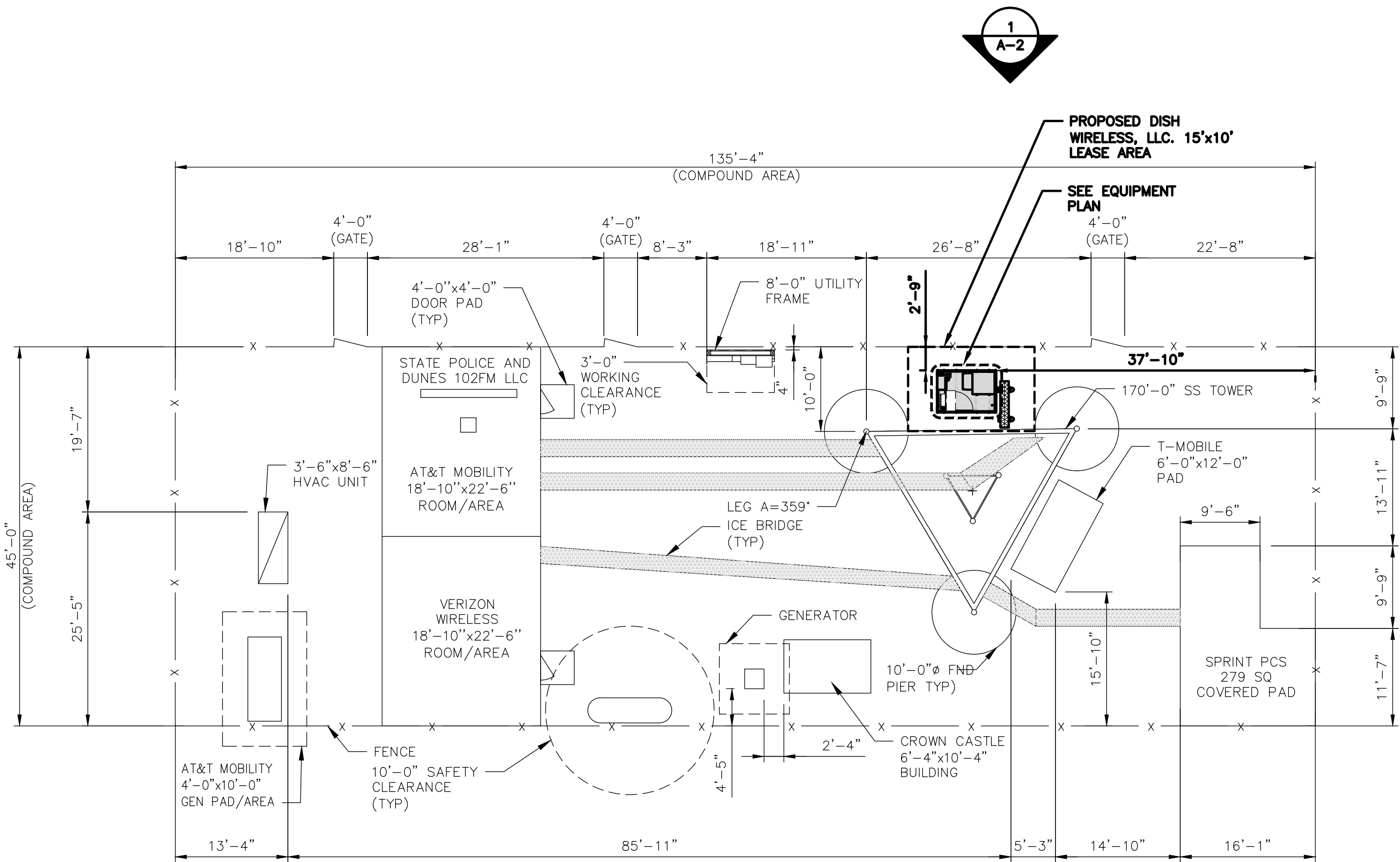
TITLE SHEET

SHEET NUMBER

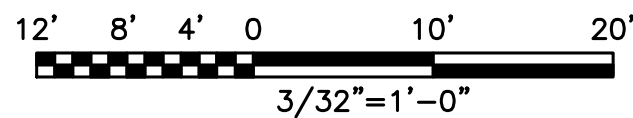
T-1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



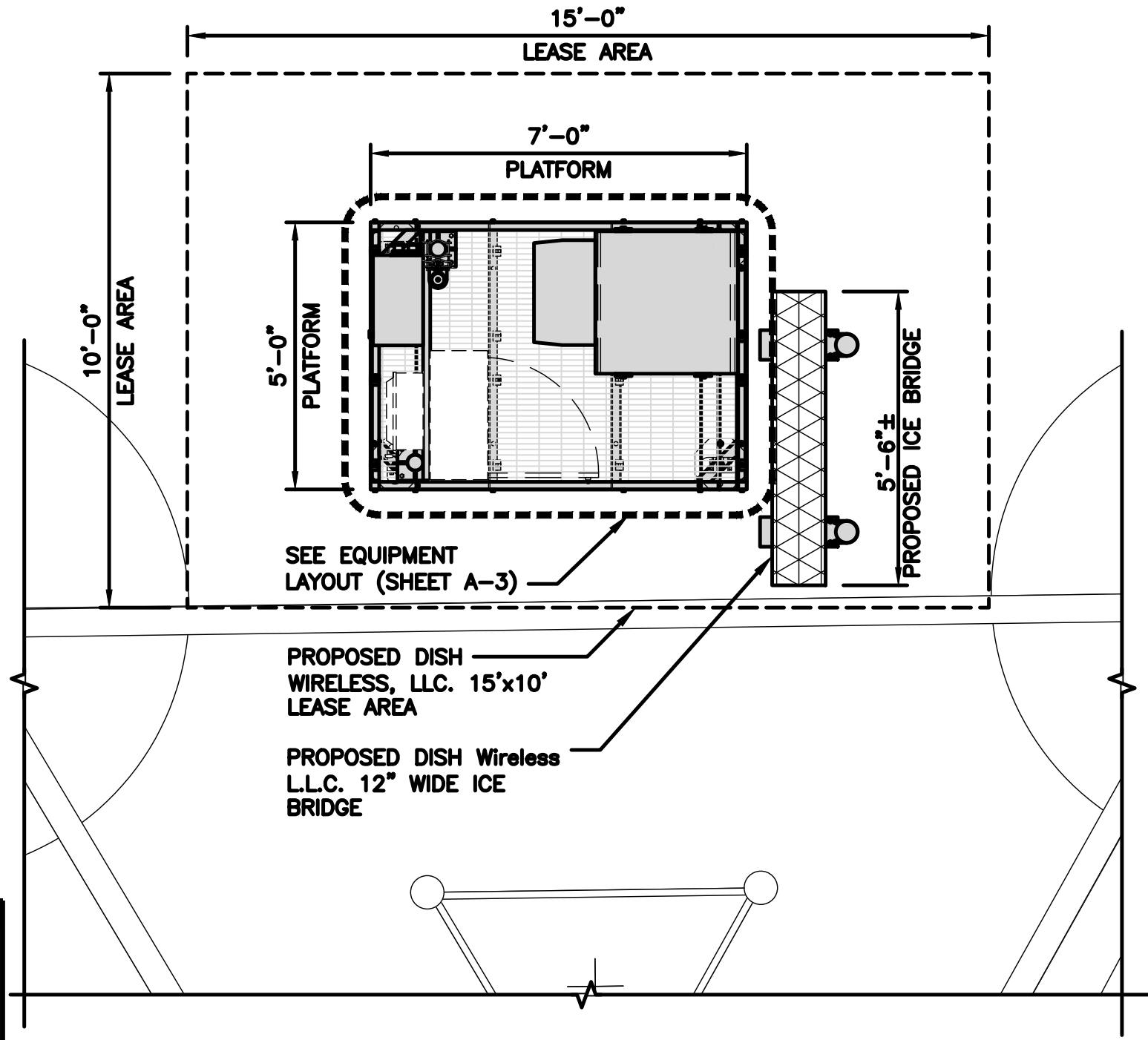
COMPOUND PLAN



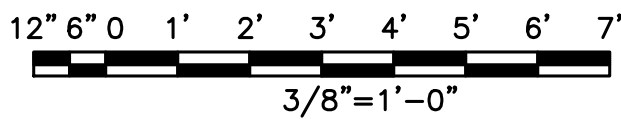
1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



EQUIPMENT PLAN



2



POWER & TELCO RUN

NO SCALE

3

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

HG
HUDSON
Design Group LLC

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



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TO ALTER THIS DOCUMENT.

DRAWN BY: CHECKED BY: APPROVED BY:

PS SMA DPH

RFDS REV #: 2

PRELIMINARY
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	11/15/2021	ISSUED FOR REVIEW

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BOBOS00592A

DISH Wireless L.L.C.
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BOBOS00592A
CROWN CASTLE BU#841273
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NORTH TRURO, MA 02652

SHEET TITLE
COMPOUND AND
EQUIPMENT PLANS

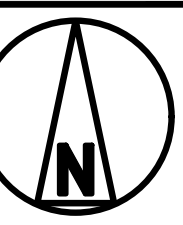
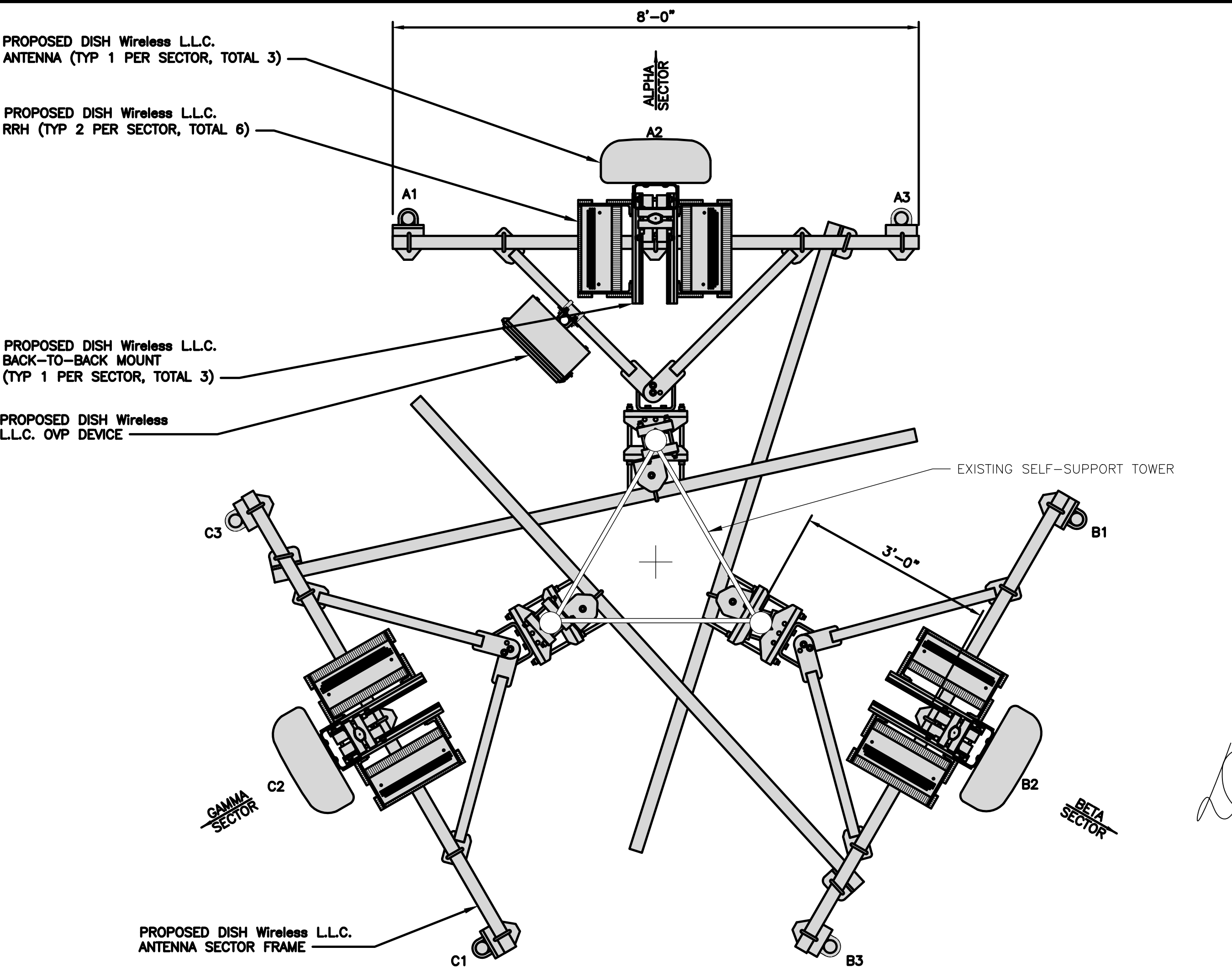
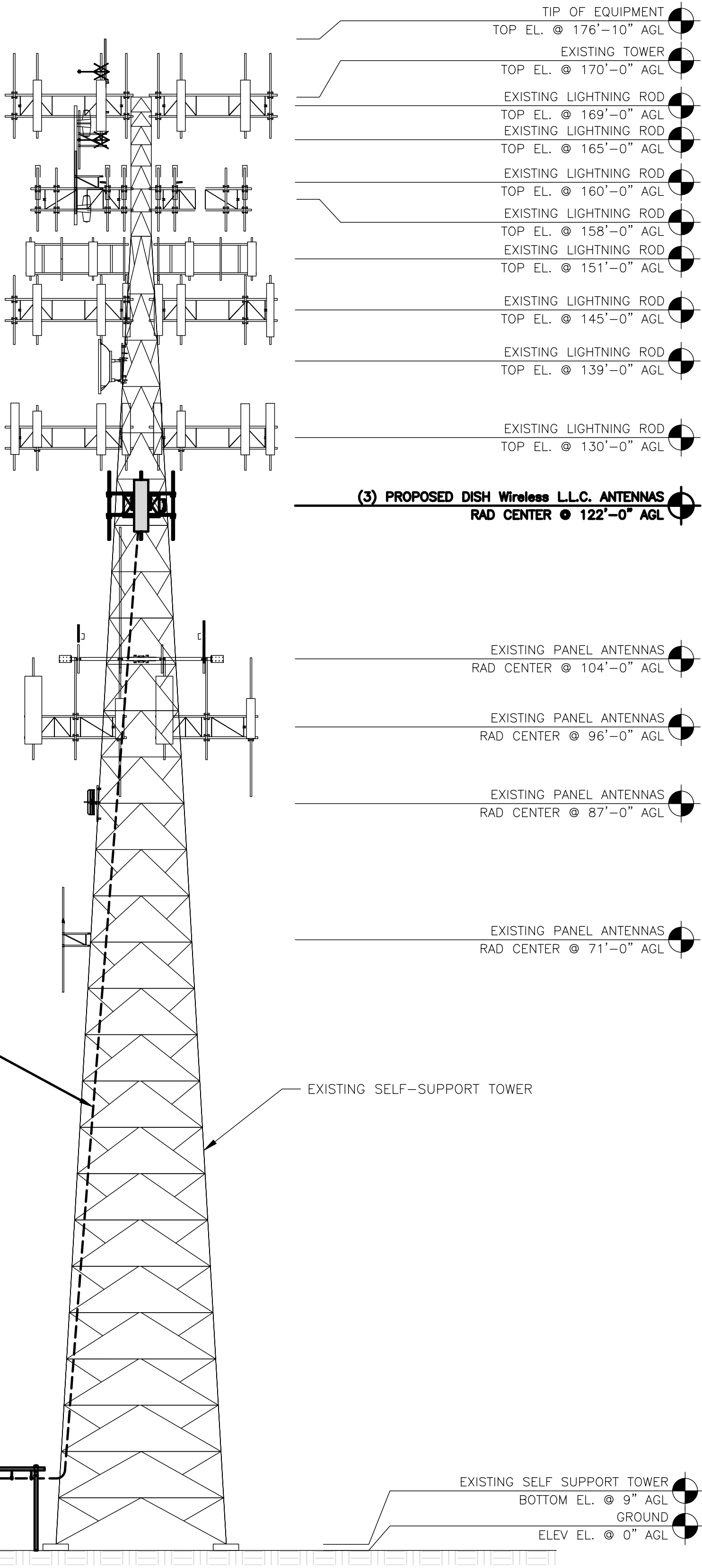
SHEET NUMBER

A-1

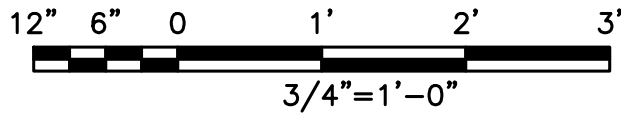
- NOTES
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS

3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.



ANTENNA LAYOUT



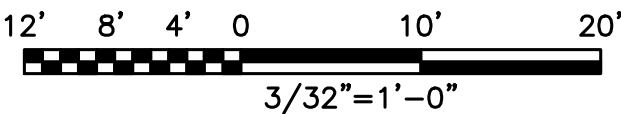
2

SECTOR POS.	ANTENNA					TRANSMISSION CABLE	RRH			OVP
	EXISTING OR PROPOSED	MANUFACTURER -- MODEL NUMBER	TECH	AZIMUTH	RAD CENTER		MANUFACTURER -- MODEL NUMBER	TECH	POS.	
A1	--	--	--	--	--	(1) HIGH-CAPACITY HYBRID CABLE (155' LONG)	FUJITSU / TA08025-B604	5G	A2	RAYCAP / RDIC-9181-PF-48
A2	PROPOSED	JMA WIRELESS-MX08FR0665-21	5G	0°	122'-0"		FUJITSU / TA08025-B605	5G	A2	
A3	--	--	--	--	--		--	--	--	
B1	--	--	--	--	--	SHARED W/ALPHA	FUJITSU / TA08025-B604	5G	B2	SHARED W/ALPHA
B2	PROPOSED	JMA WIRELESS-MX08FR0665-21	5G	120°	122'-0"		FUJITSU / TA08025-B605	5G	B2	
B3	--	--	--	--	--		--	--	--	
C1	--	--	--	--	--	SHARED W/ALPHA	FUJITSU / TA08025-B604	5G	C2	SHARED W/ALPHA
C2	PROPOSED	JMA WIRELESS-MX08FR0665-21	5G	240°	122'-0"		FUJITSU / TA08025-B605	5G	C2	
C3	--	--	--	--	--		--	--	--	

- NOTES
1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.

2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

PROPOSED ELEVATION



1

ANTENNA SCHEDULE

NO SCALE

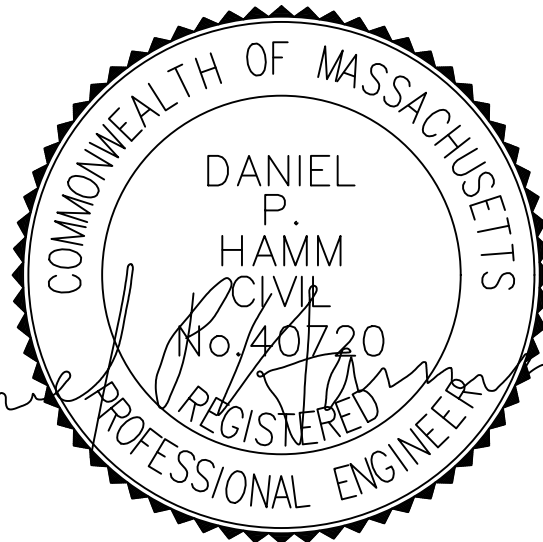
3



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



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



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DRAWN BY: PS
CHECKED BY: SMA
APPROVED BY: DPH

RFDS REV #: 2

PRELIMINARY DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
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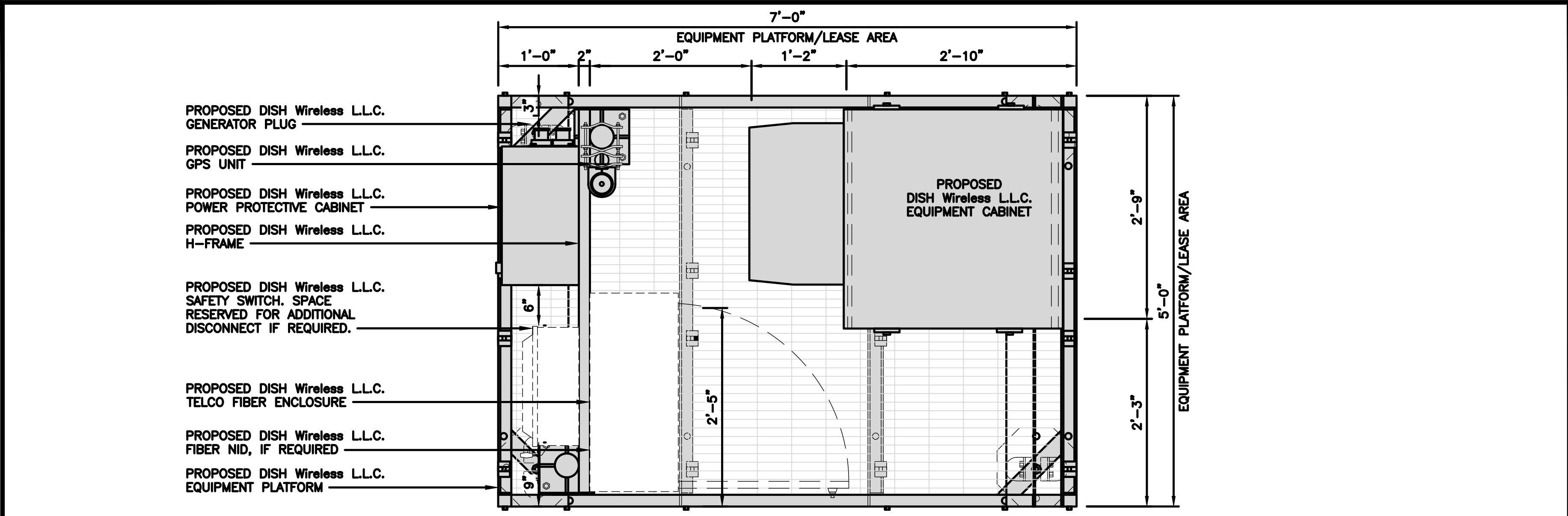
A&E PROJECT NUMBER
BOBOS00592A

DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652

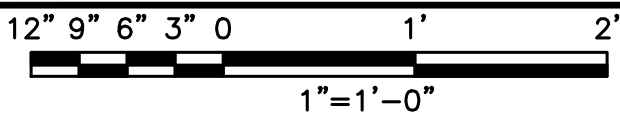
SHEET TITLE
ELEVATION, ANTENNA
LAYOUT AND SCHEDULE

SHEET NUMBER

A-2



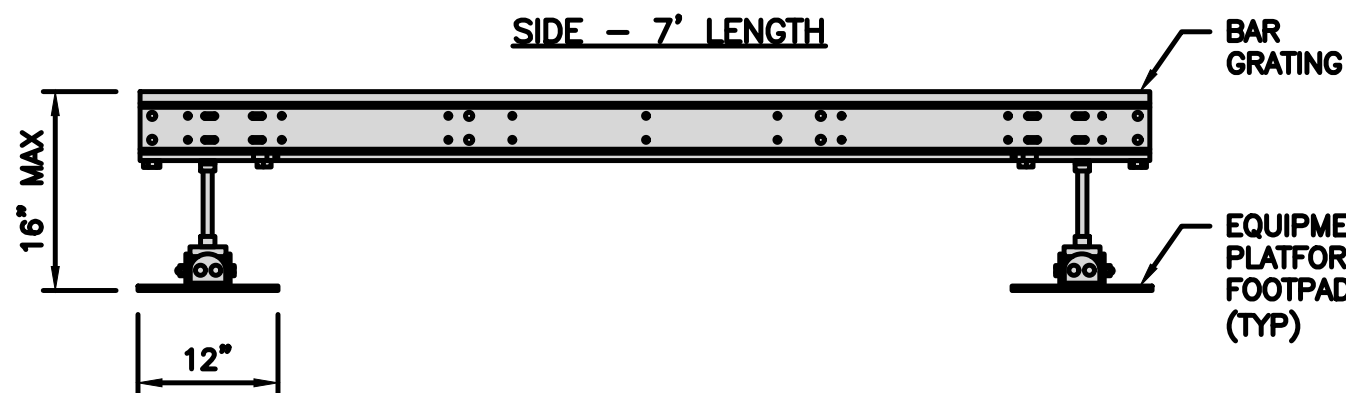
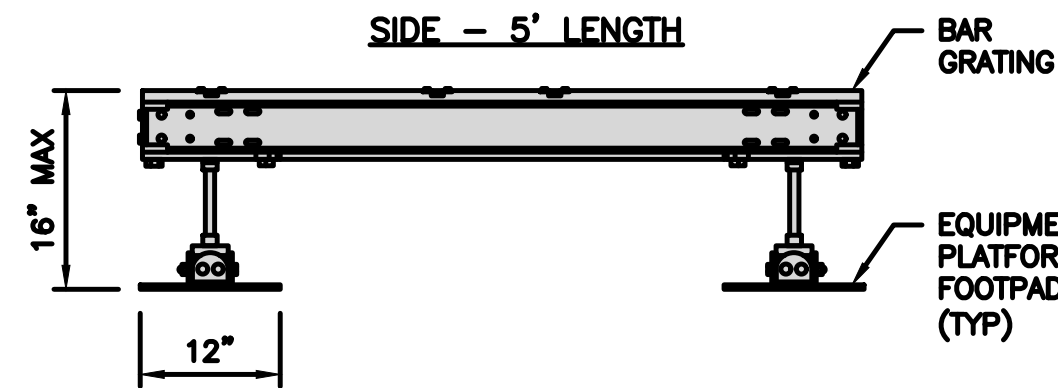
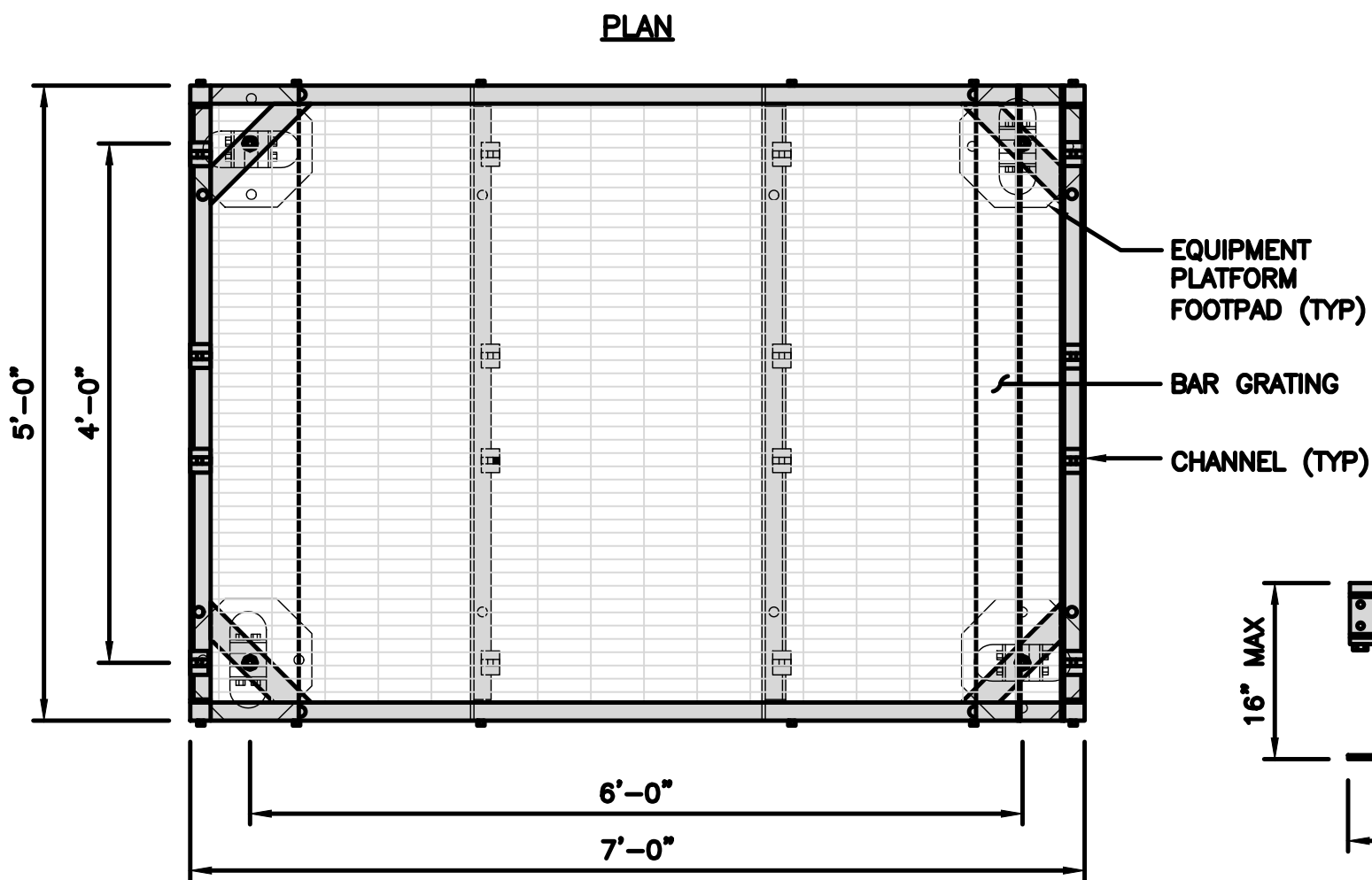
PLATFORM EQUIPMENT PLAN



1

COMMSCOPE MTC4045LP 5X7 PLATFORM	
DIMENSIONS (HxWxD)	16"x84"x60"
TOTAL WEIGHT	423 LBS

NOTE:
GC TO PROVIDE EXTENDED
THREAD FOR PLATFORM IF
REQUIRED HEIGHT EXCEEDS 17"

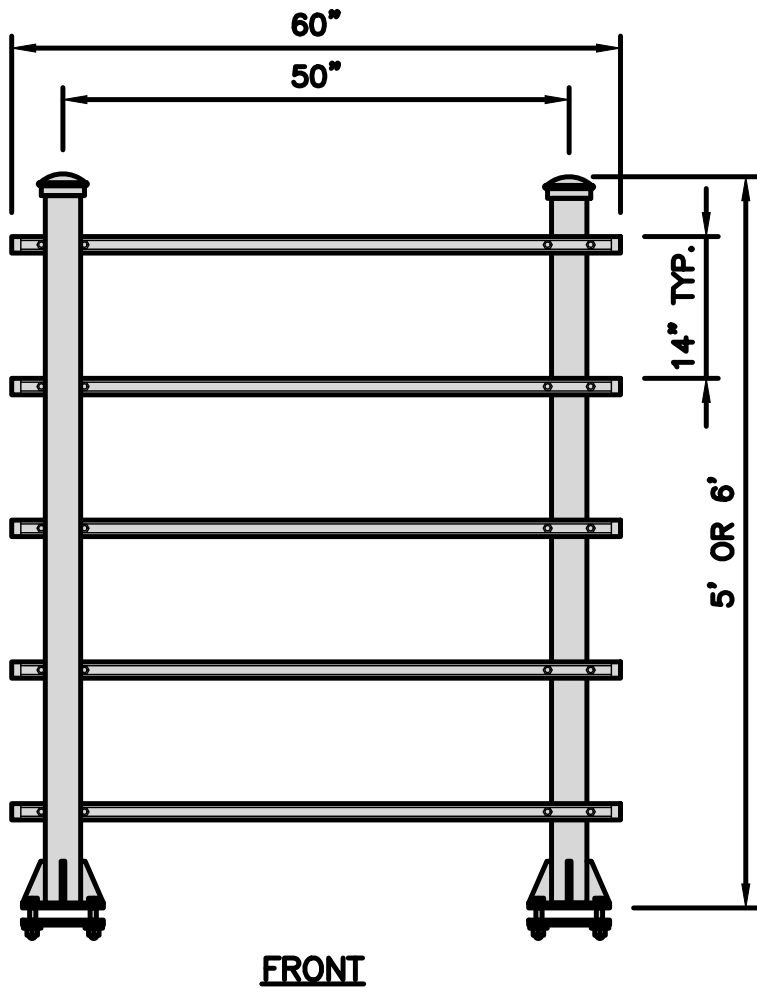
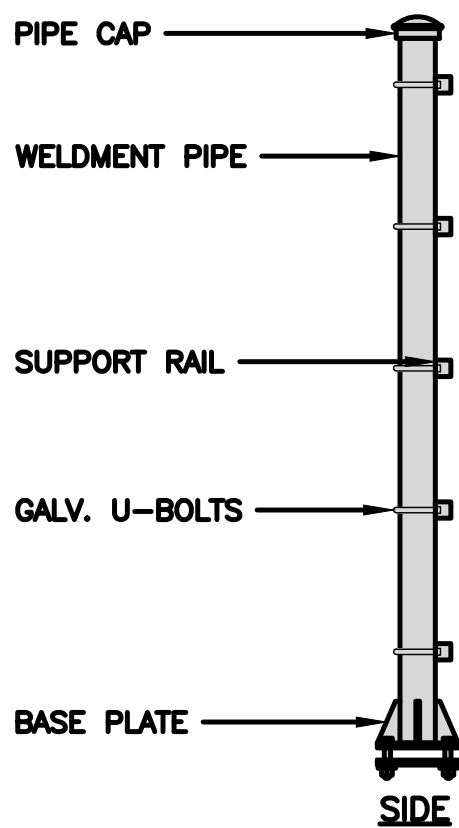


PLATFORM DETAIL

NO SCALE

2

COMMSCOPE MTC4045HFLD H-FRAME	
UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs



NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT

H-FRAME DETAIL

NO SCALE

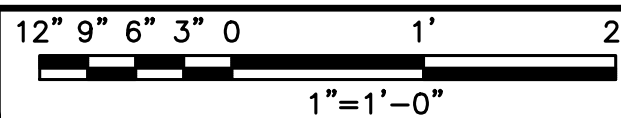
3

NOT USED

NO SCALE

4

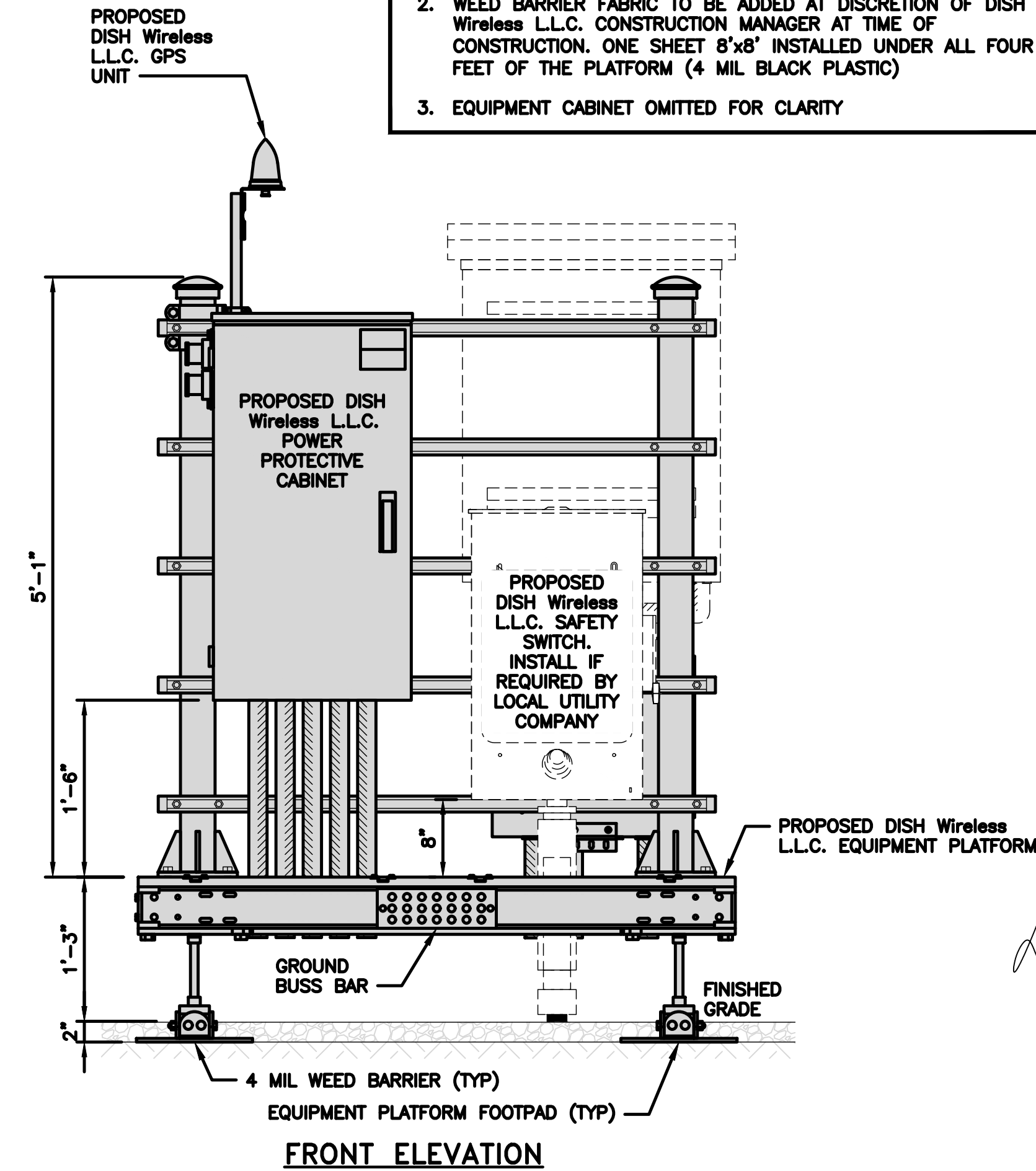
H-FRAME EQUIPMENT ELEVATION



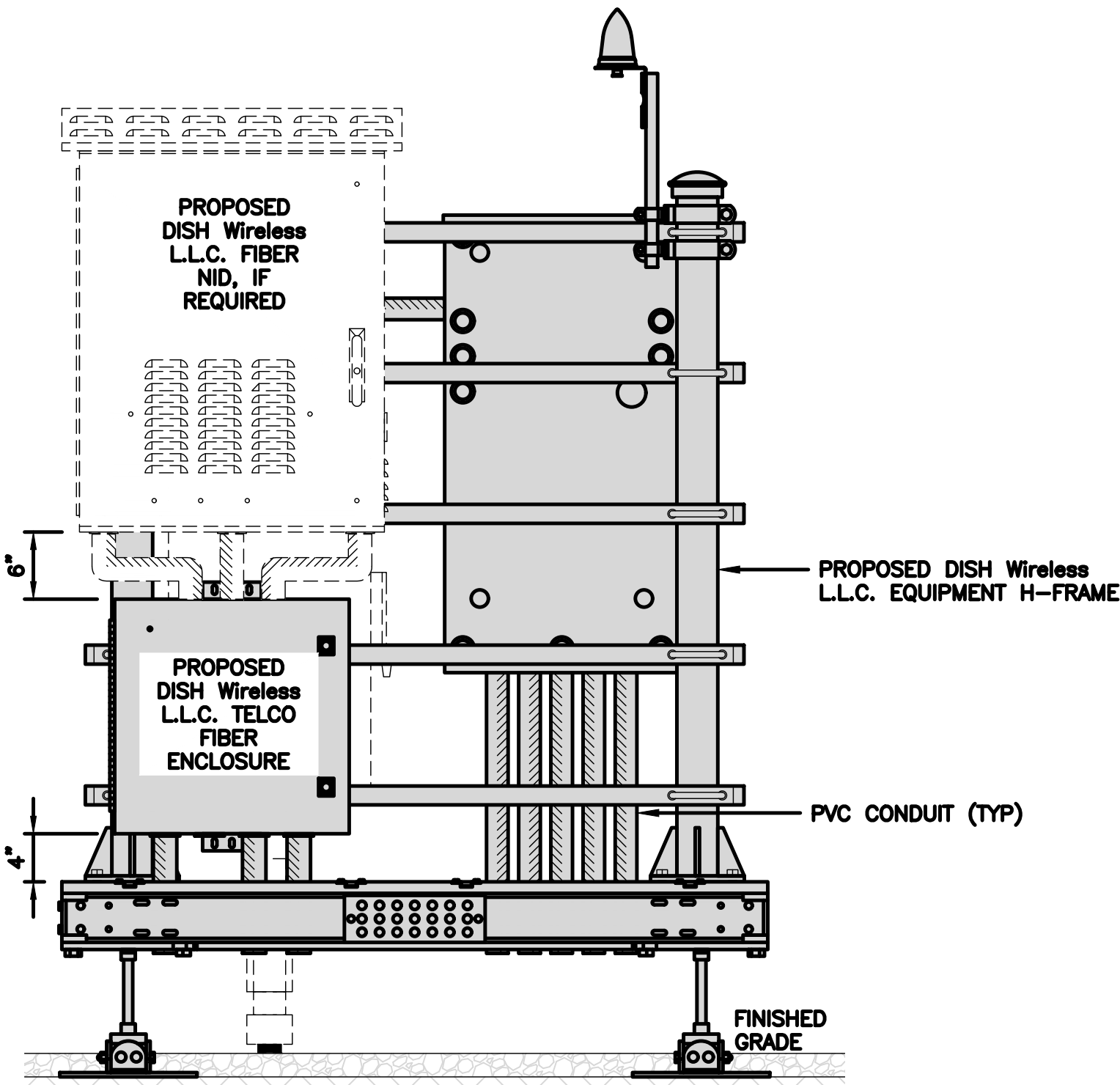
5

NOTES

1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2" OF FILL PER EXISTING SITE SURFACE
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH Wireless L.L.C. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC)
3. EQUIPMENT CABINET OMITTED FOR CLARITY



FRONT ELEVATION



BACK ELEVATION

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

HG
HUDSON
Design Group LLC

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



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SHEET TITLE
EQUIPMENT PLATFORM AND
H-FRAME DETAILS

SHEET NUMBER

A-3

ENERSYS HEX
20000059996

DIMENSIONS (HxWxD)	73"x30"x32"
POWER SYSTEM	-48V ALPHA/600A
HEATER	800W
TOTAL WEIGHT (EMPTY)	376 lbs

BACK

SIDE

FRONT

PLAN

CABINET DETAIL

NO SCALE

1

RAYCAP PPC
RDIAC-2465-P-240-MTS

ENCLOSURE DIMENSIONS (HxWxD)	39"x22.855"x12.593
WEIGHT:	80 lbs
OPERATING AC VOLTAGE	240/120 1 PHASE 3W+G

BACK

SIDE

FRONT

SIDE

TOP

POWER PROTECTION CABINET (PPC) DETAIL

NO SCALE

2

SQUARE D SAFETY SWITCHES
D224NRB

ENCLOSURE DIM (HxWxD)	29.25"x19.00"x8.50"
ENCLOSURE TYPE	NEMA 3R RAINPROOF
UL LISTED	FILE E-2875

SIDE

FRONT

TOP

SAFETY SWITCH DETAIL

NO SCALE

3

ZAYO 5RU (LEFT SWING DOOR)
FIBER NID ENCLOSURE

DIMENSIONS (HxWxD)	36.1"x29"x12.9"
WEIGHT	85 lbs

BACK

SIDE

FRONT

BOTTOM

FIBER NID ENCLOSURE DETAIL

NO SCALE

5

CHARLES CFIT-PF2020DSH1
FIBER TELCO ENCLOSURE

ENCLOSURE DIMS (HxWxD)	20"x20"x9"
ENCLOSURE WEIGHT	20 lbs
MOUNTING	WALL
COMPLIANCE	TYPE 4

SIDE

BACK

FRONT

FRONT

FIBER TELCO ENCLOSURE DETAIL

NO SCALE

6

COMMSCOPE WB-K110-B
WAVEGUIDE BRIDGE KIT

DIMENSIONS (HxL)	160"x10'
WEIGHT/ VOLUME	325.0 LBS
CABLE RUN (QTY)	12

PLAN

FRONT

SIDE

INCLUDED PRODUCTS:
WB-T12-3 TRAPEZE KIT, 3 RUNGS
WB-LB12-3 SUPPORT BRACKET
MF-130 DIRECT BURIAL PIPE COLUMN, 13'-4"

ICE BRIDGE DETAIL

NO SCALE

7

FINISH SLOPE TO DRAIN

A-A

PROPOSED 3.5" DIA. SCH 40 PIPE GALVANIZED

PROPOSED 1'-6" DIA. CONCRETE PIER (TYP)

CONCRETE PIER

A-A SECTION

3" DIA SCH 40 PIPE

18" DIA DRILLED PIER FOUNDATION

1'-6"

TYPICAL ICE BRIDGE CONCRETE PIER DETAIL

NO SCALE

8

PROPOSED ICE BRIDGE

PROPOSED X" DIA HYBRID CABLE

PROPOSED CABLE CLAMP
● 3'-0" O.C.

EXISTING SELF SUPPORT TOWER

HYBRID CABLE RUN

HYBRID CABLE RUN

NO SCALE

9

DISH Wireless L.L.C. TEMPLATE VERSION 45 - 10/29/2021

dish
wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

HG
HUDSON
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SHEET NUMBER

A-4

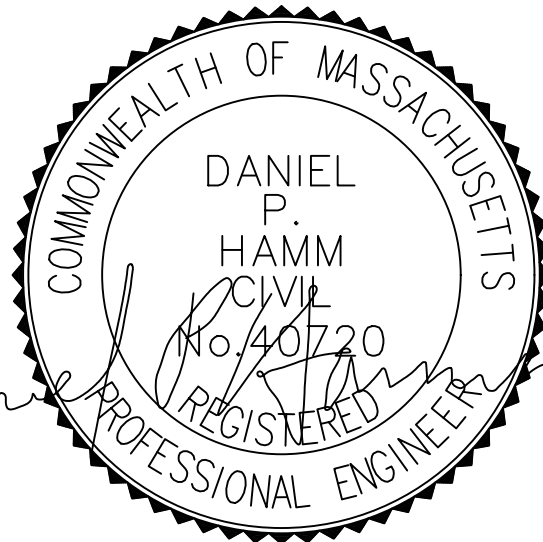
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5701 SOUTH SANTA FE DRIVE
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SHEET NUMBER

A-5

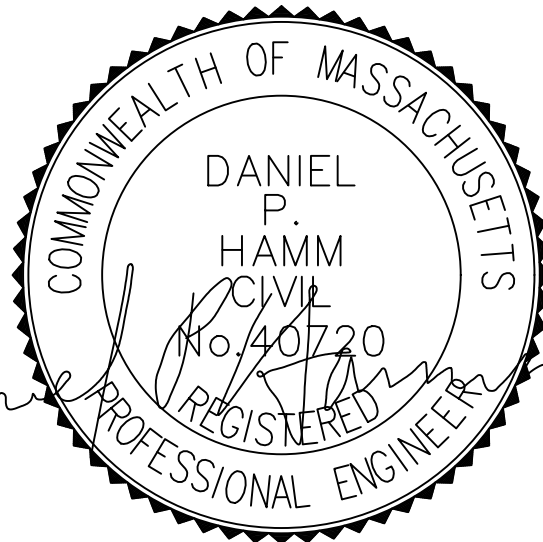
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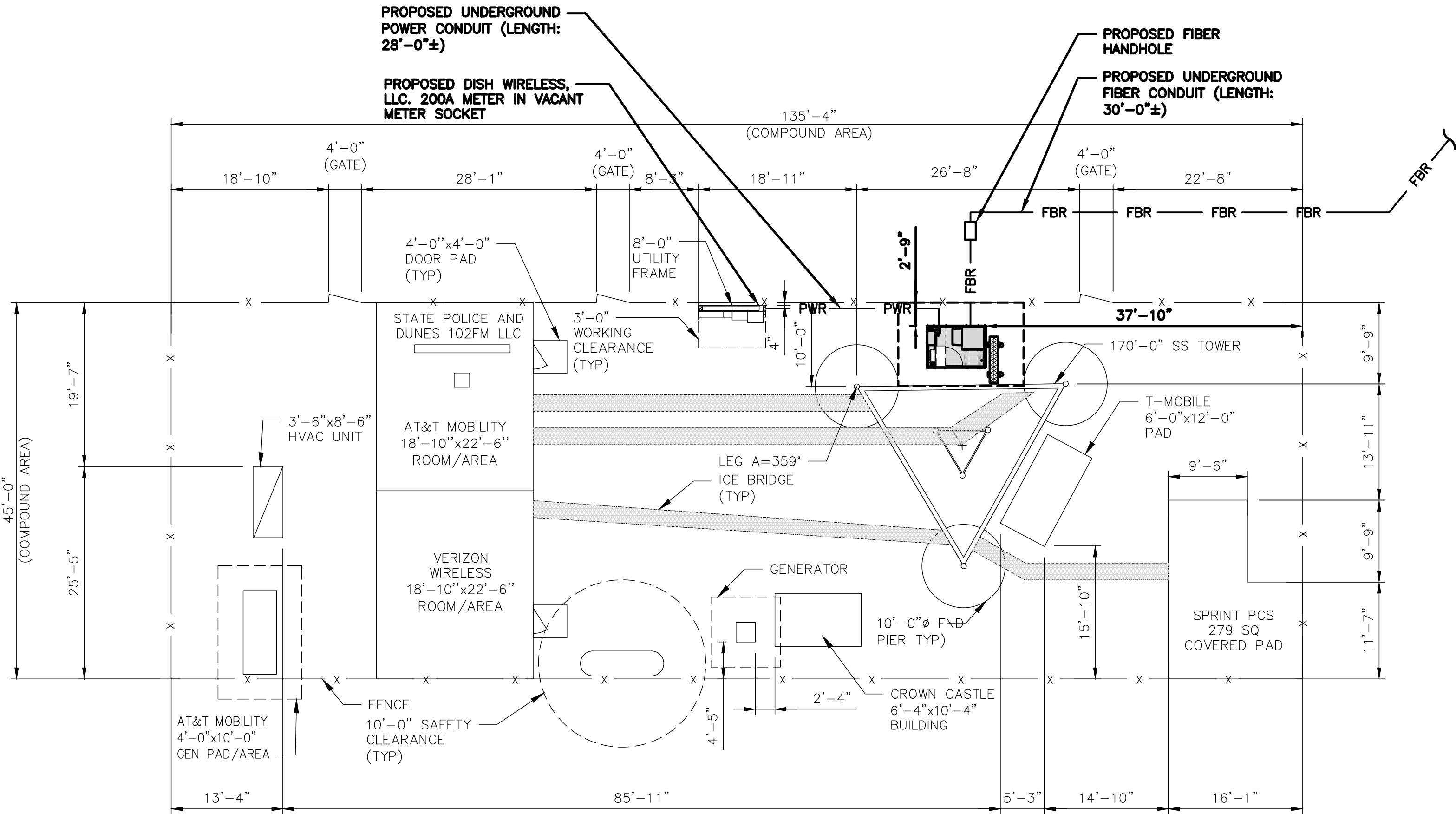
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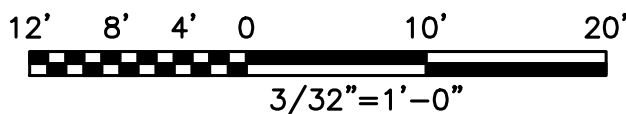
A-6

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. DUE TO UTILITY EASEMENT RIGHTS SPECIFIED IN THE GROUND LEASE, CUSTOMER MAY INSTALL EQUIPMENT WITHIN SPECIFIED UTILITY EASEMENT AREA. "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 REPRESENT PLANNED ROUTING BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO A SURVEY, EXHIBITS, METES AND BOUNDS OF THE UTILITY EASEMENT, FIELD VERIFICATION, PRIOR PROJECT DOCUMENTATION AND OTHER REAL PROPERTY RIGHTS DOCUMENTS. WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH, IF EXISTING PATH IS MATERIALLY INCONSISTENT WITH "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 AND SAID VARIANCE IS NOT NOTED ON CD®, PLEASE NOTIFY TOWER OWNER AS FURTHER COORDINATION MAY BE NEEDED.



UTILITY ROUTE PLAN



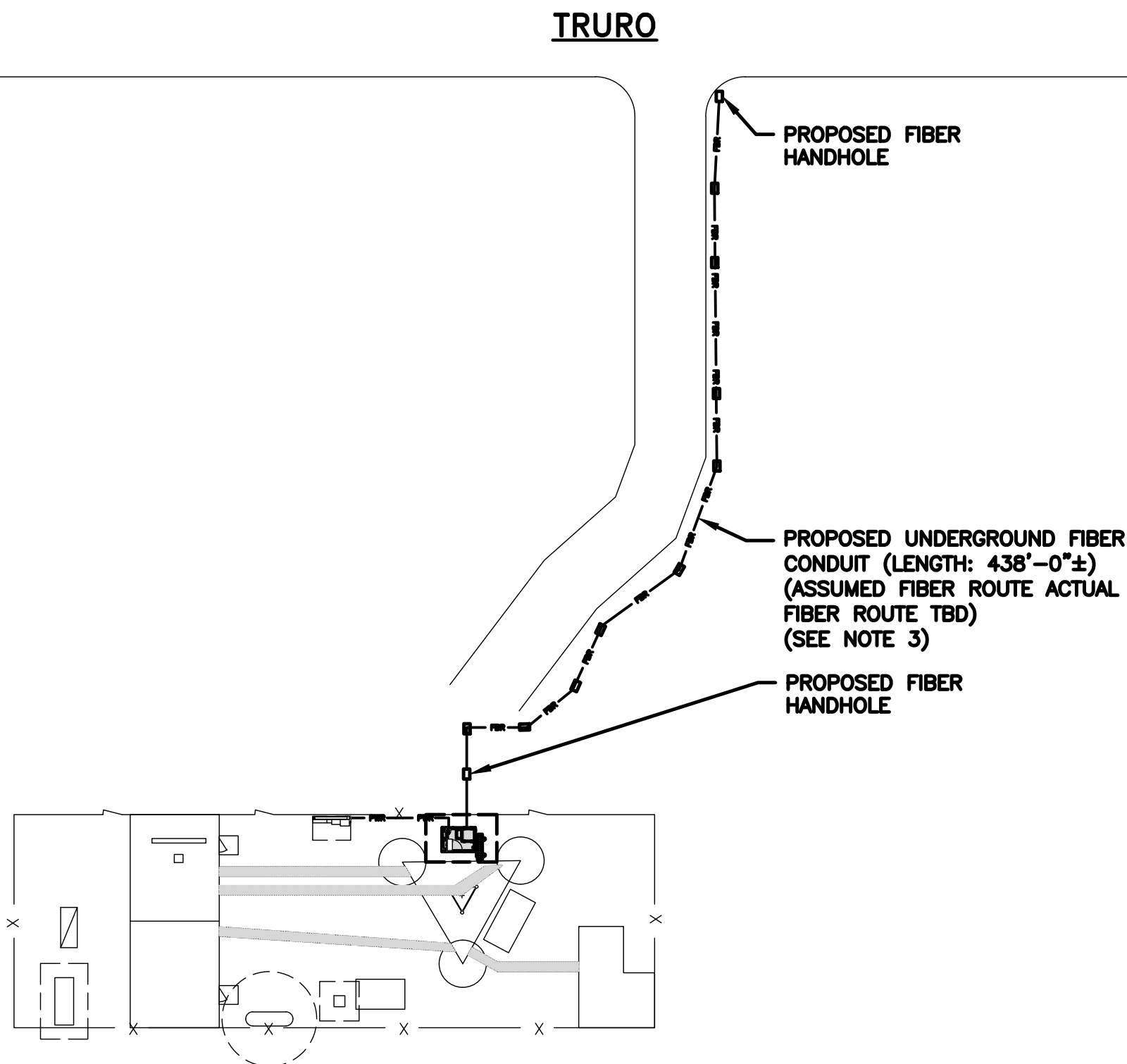
1

DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
13. ALL TRENCHES IN COMPOUND TO BE HAND DUG

ELECTRICAL NOTES

2



OVERALL UTILITY ROUTE PLAN

NO SCALE

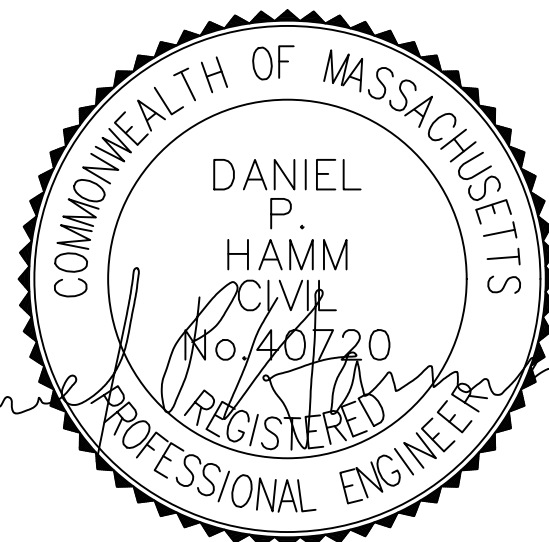
3

dish
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HG
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Design Group LLC

45 BEECHWOOD DRIVE
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RFDS REV #: 2

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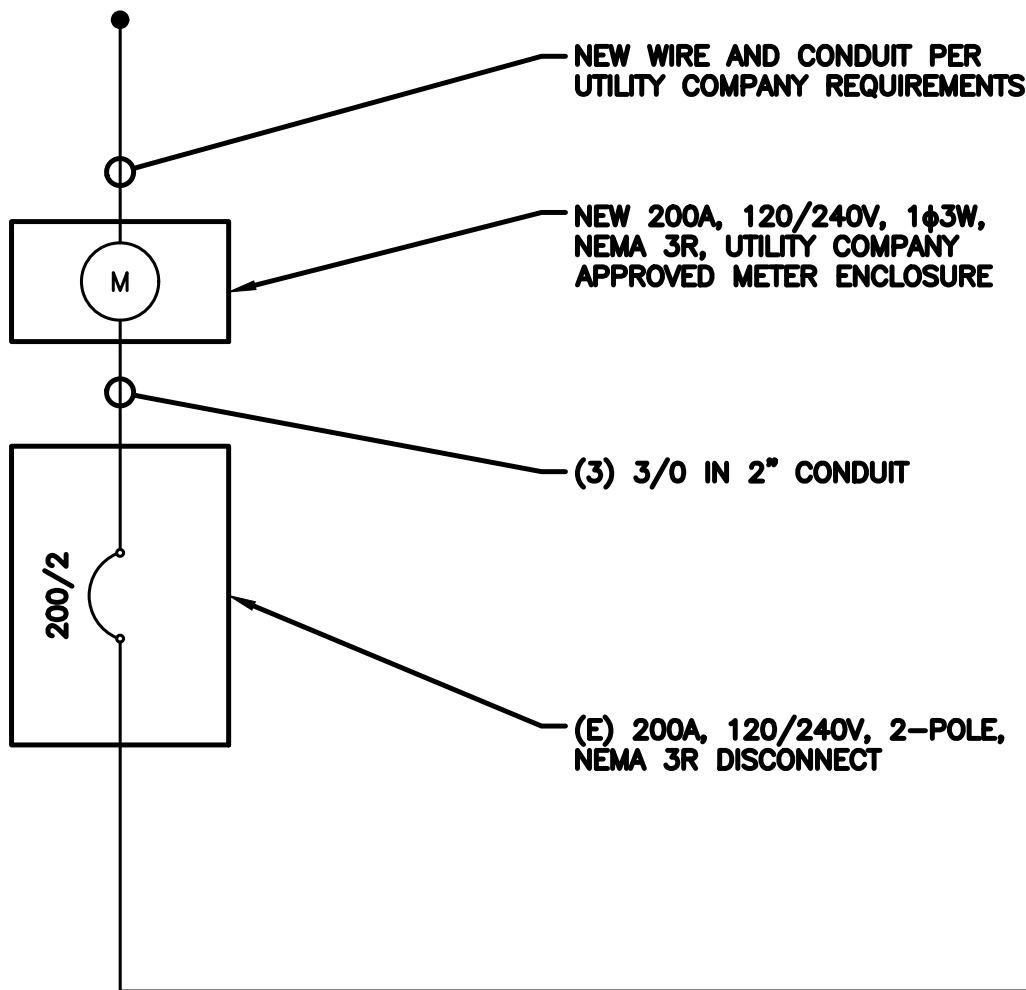
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REV	DATE	DESCRIPTION
A	11/15/2021	ISSUED FOR REVIEW

A&E PROJECT NUMBER
BOBOS00592A

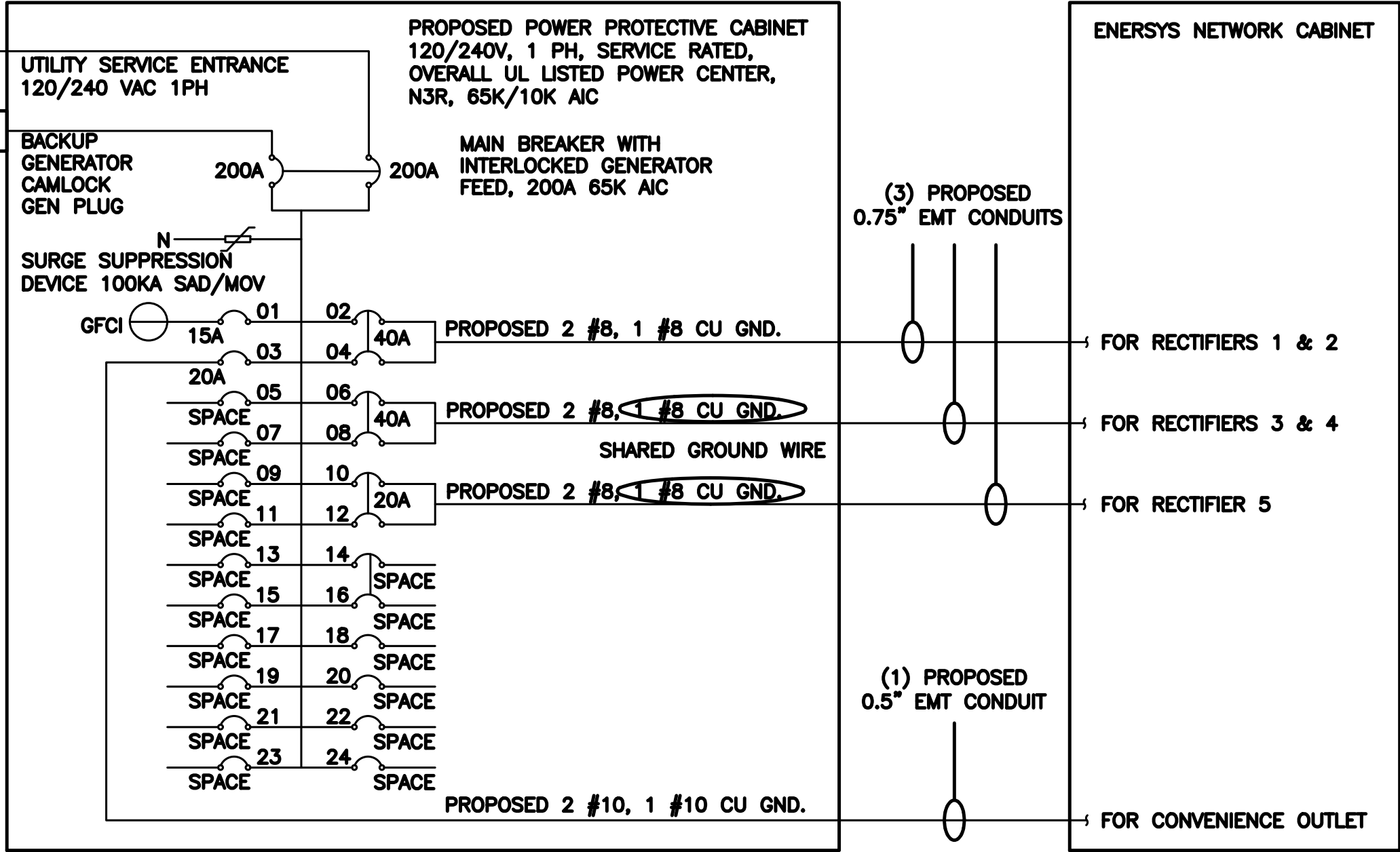
DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652

SHEET TITLE
ELECTRICAL/FIBER ROUTE
PLAN AND NOTES

SHEET NUMBER
E-1



CONTRACTOR TO REFER TO
FINAL UTILITY DESIGN DETAILS



NOTE:
BRANCH CIRCUIT WIRING SUPPLYING RECTIFIERS ARE TO BE RATED UL1015, 105°C, 600V, AND PVC INSULATED, IN THE SIZES SHOWN IN THE ONE-LINE DIAGRAM. CONTRACTOR MAY SUBSTITUTE UL1015 WIRE FOR THWN-2 FOR CONVENIENCE OUTLET BRANCH CIRCUIT.

BREAKERS REQUIRED:
(2) 40A, 2P BREAKER - SQUARE D P/N:Q0240
(1) 20A, 2P BREAKER - SQUARE D P/N:Q0220
(1) 20A, 1P BREAKER - SQUARE D P/N:Q0120

NOTES

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358.
0.5" CONDUIT - 0.122 SQ. IN AREA
0.75" CONDUIT - 0.213 SQ. IN AREA
2.0" CONDUIT - 1.316 SQ. IN AREA
3.0" CONDUIT - 2.907 SQ. IN AREA

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU.
#10 - 0.0211 SQ. IN X 2 = 0.0422 SQ. IN
#10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GROUND
TOTAL = 0.0633 SQ. IN

0.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (3 CONDUITS): USING UL1015, CU.
#8 - 0.0552 SQ. IN X 2 = 0.1103 SQ. IN
#8 - 0.0131 SQ. IN X 1 = 0.0131 SQ. IN <BARE GROUND
TOTAL = 0.1234 SQ. IN

0.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.
3/0 - 0.2679 SQ. IN X 3 = 0.8037 SQ. IN
#6 - 0.0507 SQ. IN X 1 = 0.0507 SQ. IN <GROUND
TOTAL = 0.8544 SQ. IN

3.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.



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344 ROUTE 6
NORTH TRURO, MA 02652

SHEET TITLE
ELECTRICAL ONE-LINE, FAULT
CALCS & PANEL SCHEDULE

SHEET NUMBER

E-3

PPC ONE-LINE DIAGRAM

NO SCALE

1

PROPOSED ENERSYS PANEL SCHEDULE												
LOAD SERVED	VOLT AMPS (WATTS)		TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPS (WATTS)		LOAD SERVED		
	L1	L2						L1	L2			
PPC GFCI OUTLET	180		15A	1	A	2	40A	3840		ENERSYS ALPHA CORDEX RECTIFIERS 1 & 2		
ENERSYS GFCI OUTLET		180	20A	3	B	4			3840			
-SPACE-				5	A	6	40A	3840		ENERSYS ALPHA CORDEX RECTIFIER 3 & 4		
-SPACE-				7	B	8			3840			
-SPACE-				9	A	10	20A	1920		ENERSYS ALPHA CORDEX RECTIFIER 5		
-SPACE-				11	B	12			1920			
-SPACE-				13	A	14				-SPACE-		
-SPACE-				15	B	16				-SPACE-		
-SPACE-				17	A	18				-SPACE-		
-SPACE-				19	B	20				-SPACE-		
-SPACE-				21	A	22				-SPACE-		
-SPACE-				23	B	24				-SPACE-		
VOLTAGE AMPS		180	180					9500	9500			
200A MCB, 10, 24 SPACE, 120/240V				L1		L2						
MB RATING: 65,000 AIC				9680		9680		VOLTAGE AMPS				
				81		81		AMPS				
				81				MAX AMPS				
				102				MAX 125%				

PANEL SCHEDULE

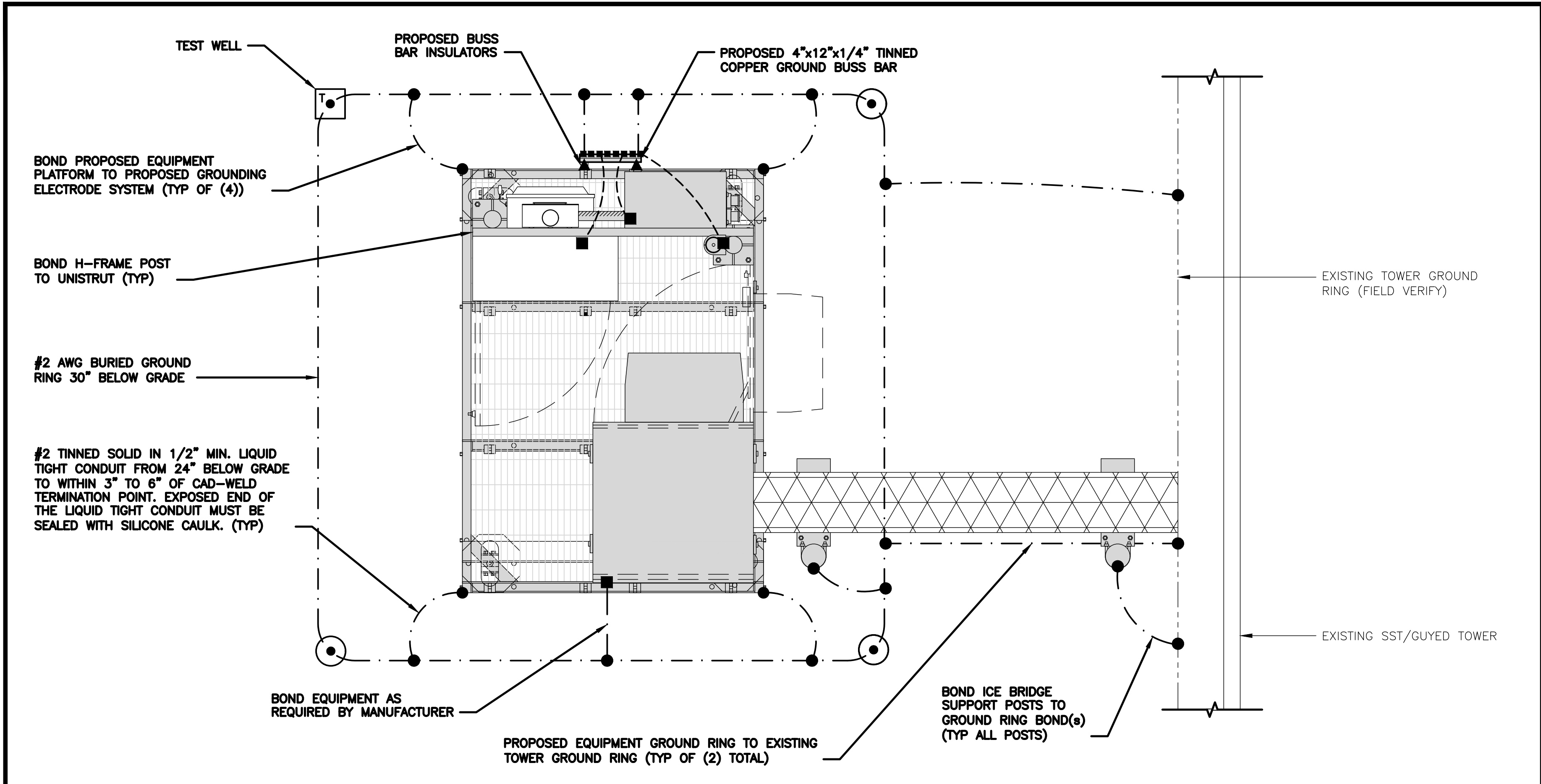
NO SCALE

2

NOT USED

NO SCALE

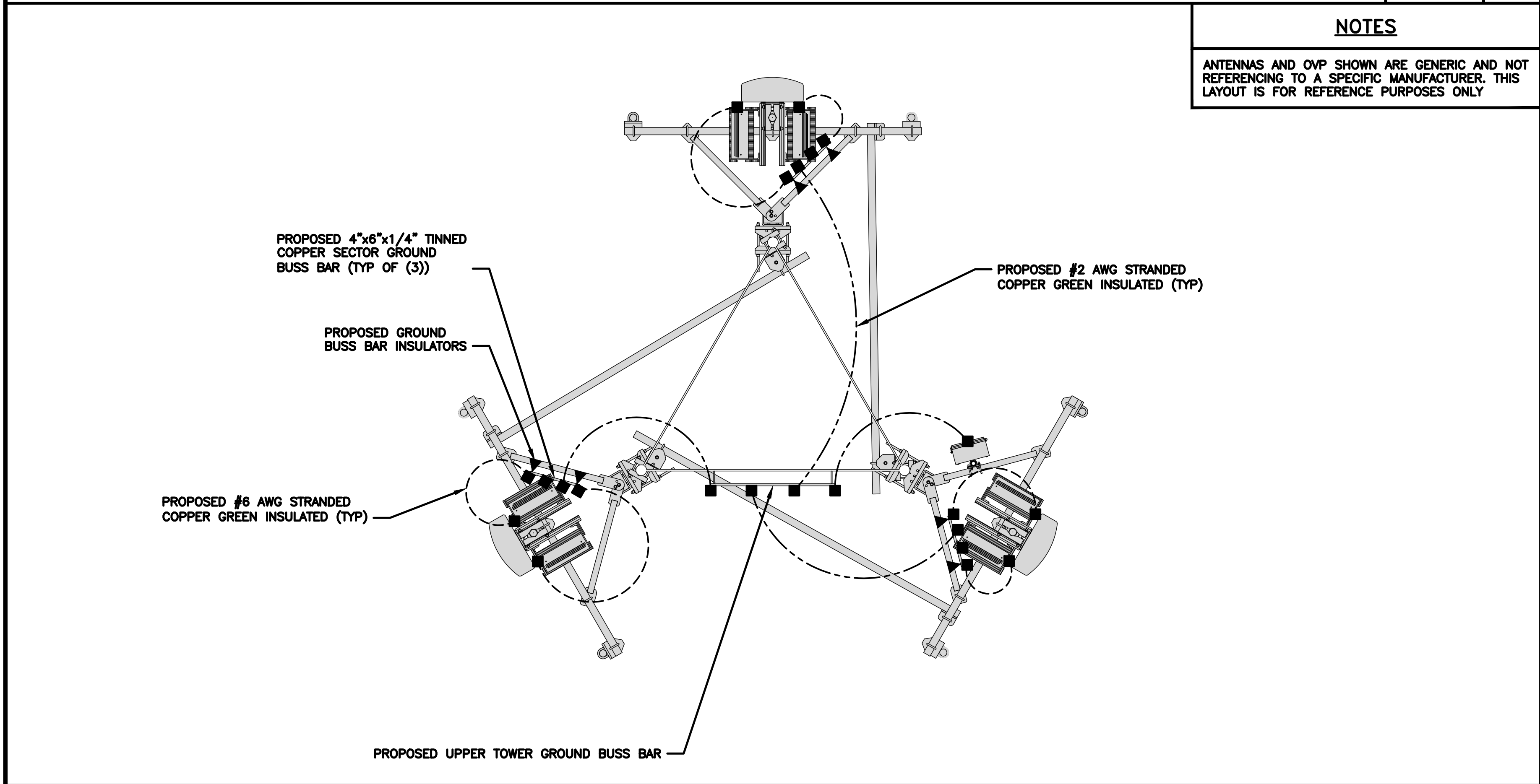
3



TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE

1



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2

NOTES

ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS LAYOUT IS FOR REFERENCE PURPOSES ONLY

- EXOTHERMIC CONNECTION
- MECHANICAL CONNECTION
- GROUND BUS BAR
- GROUND ROD
- TEST GROUND ROD WITH INSPECTION SLEEVE
- #6 AWG STRANDED & INSULATED
- - - #2 AWG SOLID COPPER TINNED
- #2 AWG STRANDED & INSULATED
- ▲ BUSS BAR INSULATOR

GROUNDING LEGEND

- GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH Wireless L.L.C. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
- ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

- (A) **EXTERIOR GROUND RING:** #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- (B) **TOWER GROUND RING:** THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.
- (C) **INTERIOR GROUND RING:** #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.
- (D) **BOND TO INTERIOR GROUND RING:** #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
- (E) **GROUND ROD:** UL LISTED COPPER CLAD STEEL. MINIMUM 1/2" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
- (F) **CELL REFERENCE GROUND BAR:** POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE. STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- (G) **HATCH PLATE GROUND BAR:** BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- (H) **EXTERIOR CABLE ENTRY PORT GROUND BARS:** LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
- (I) **TELCO GROUND BAR:** BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- (J) **FRAME BONDING:** THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.
- (K) **INTERIOR UNIT BONDS:** METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
- (L) **FENCE AND GATE GROUNDING:** METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- (M) **EXTERIOR UNIT BONDS:** METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. USING #2 TINNED SOLID COPPER WIRE
- (N) **ICE BRIDGE SUPPORTS:** EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.
- (O) **DURING ALL DC POWER SYSTEM CHANGES** INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR
- (P) **TOWER TOP COLLECTOR BUSS BAR** IS TO BE MECHANICALLY BONDED TO TOWER STEEL.

REFER TO DISH Wireless L.L.C. GROUNDING NOTES.

GROUNDING KEY NOTES

NO SCALE

3

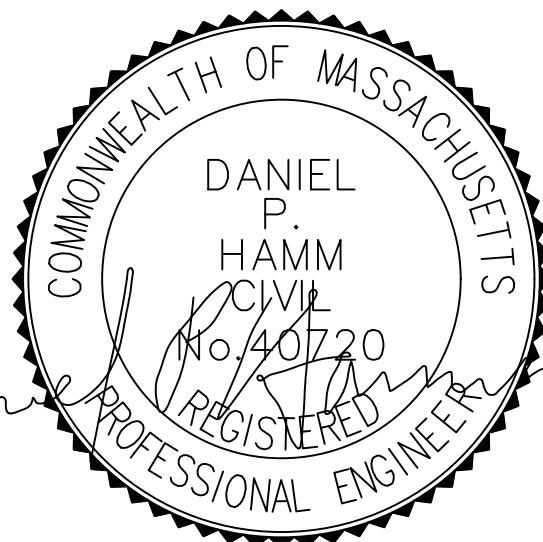
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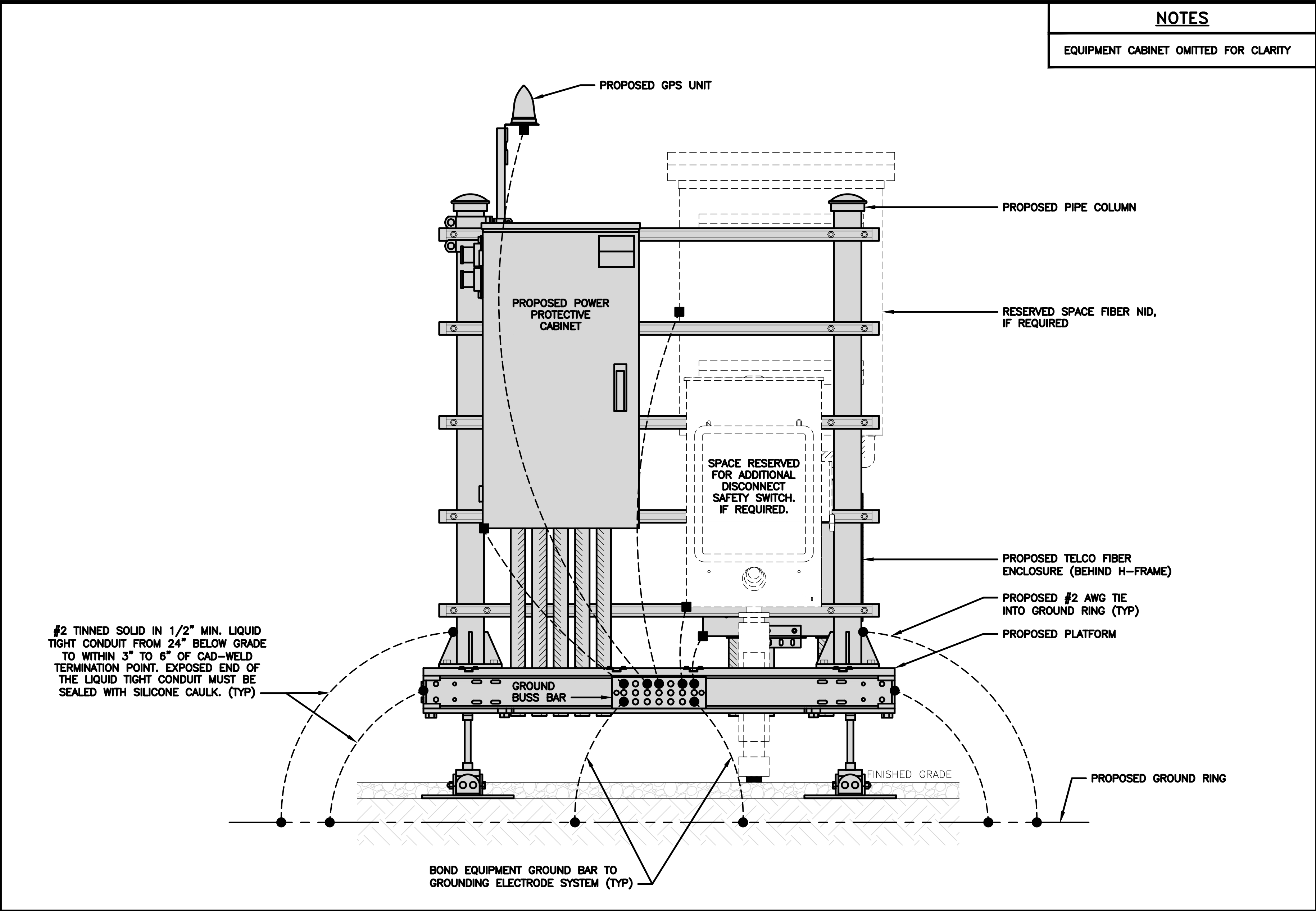
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SHEET TITLE
GROUNDING PLANS
AND NOTES

SHEET NUMBER

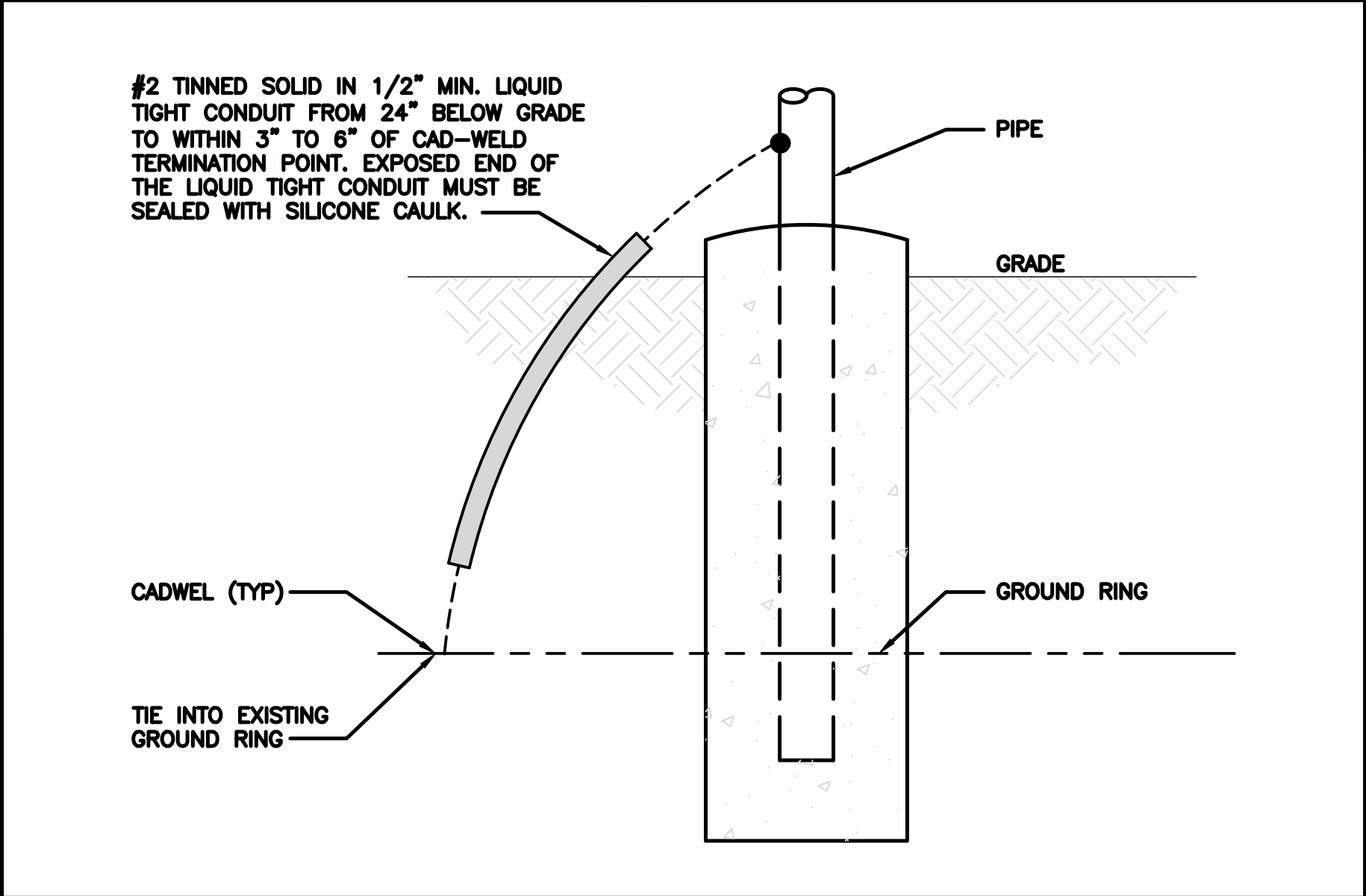
G-1



H-FRAME GROUNDING DETAIL

NO SCALE

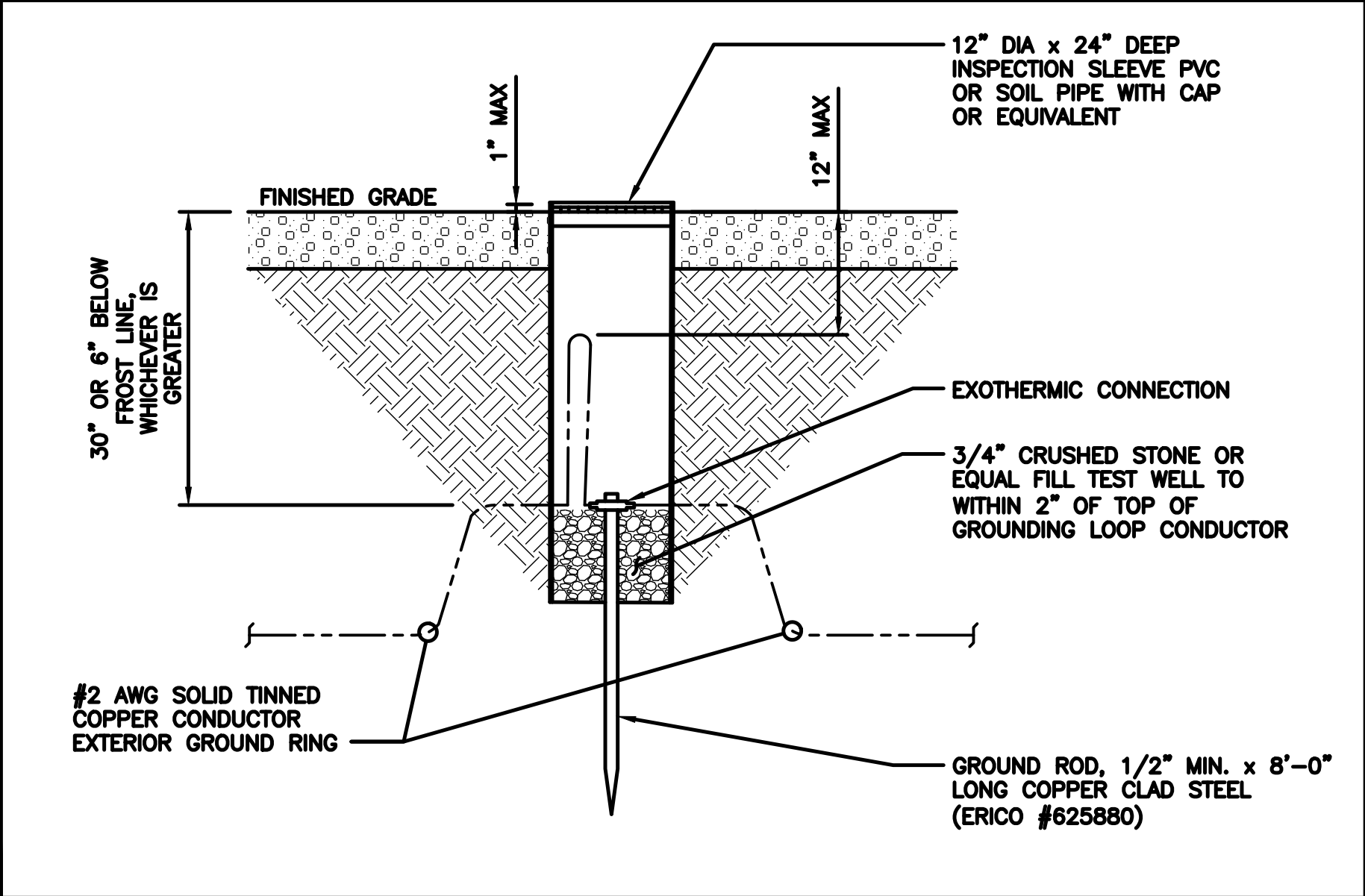
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TRANSITIONING GROUND DETAIL

NO SCALE

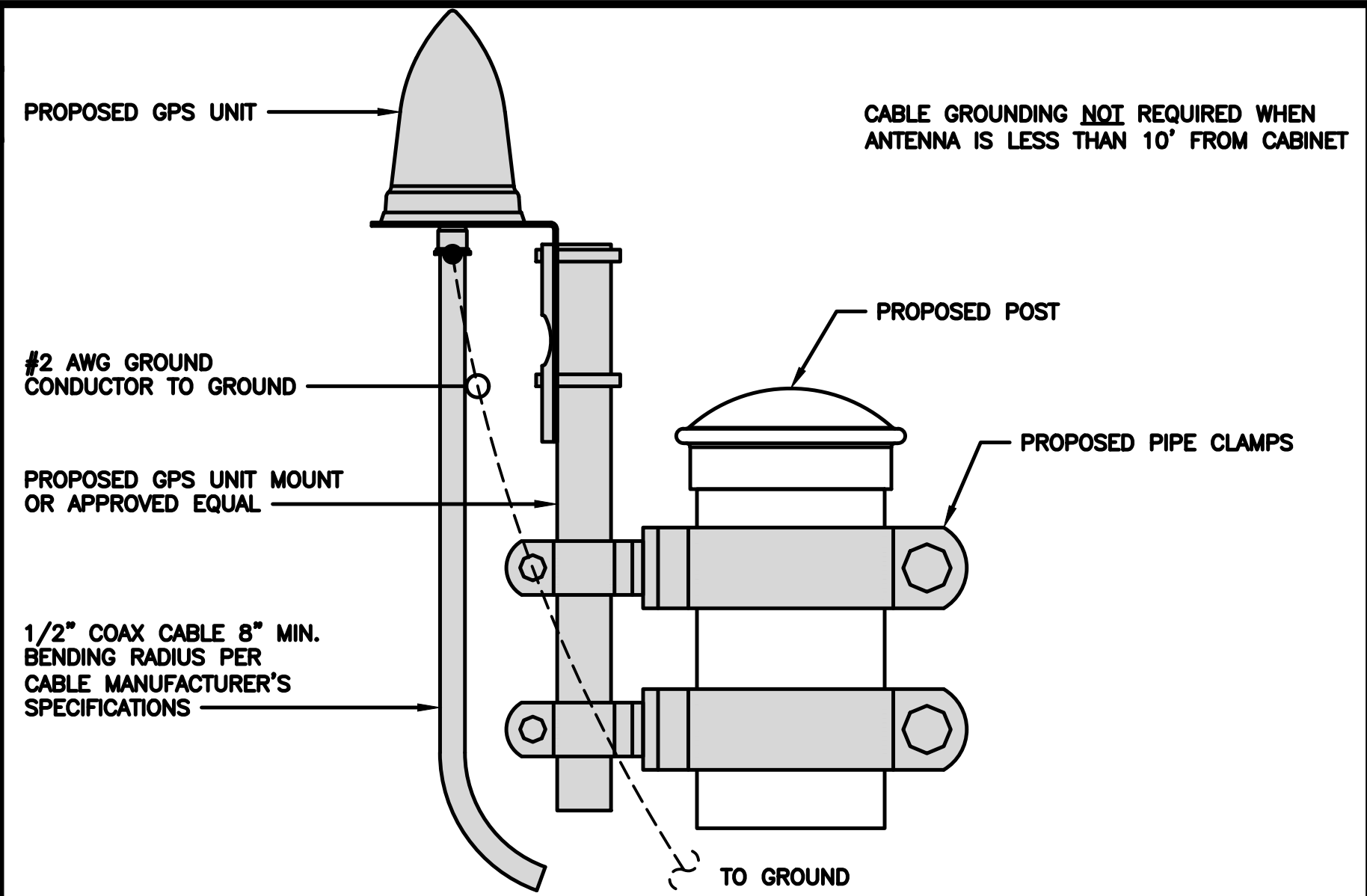
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TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE

NO SCALE

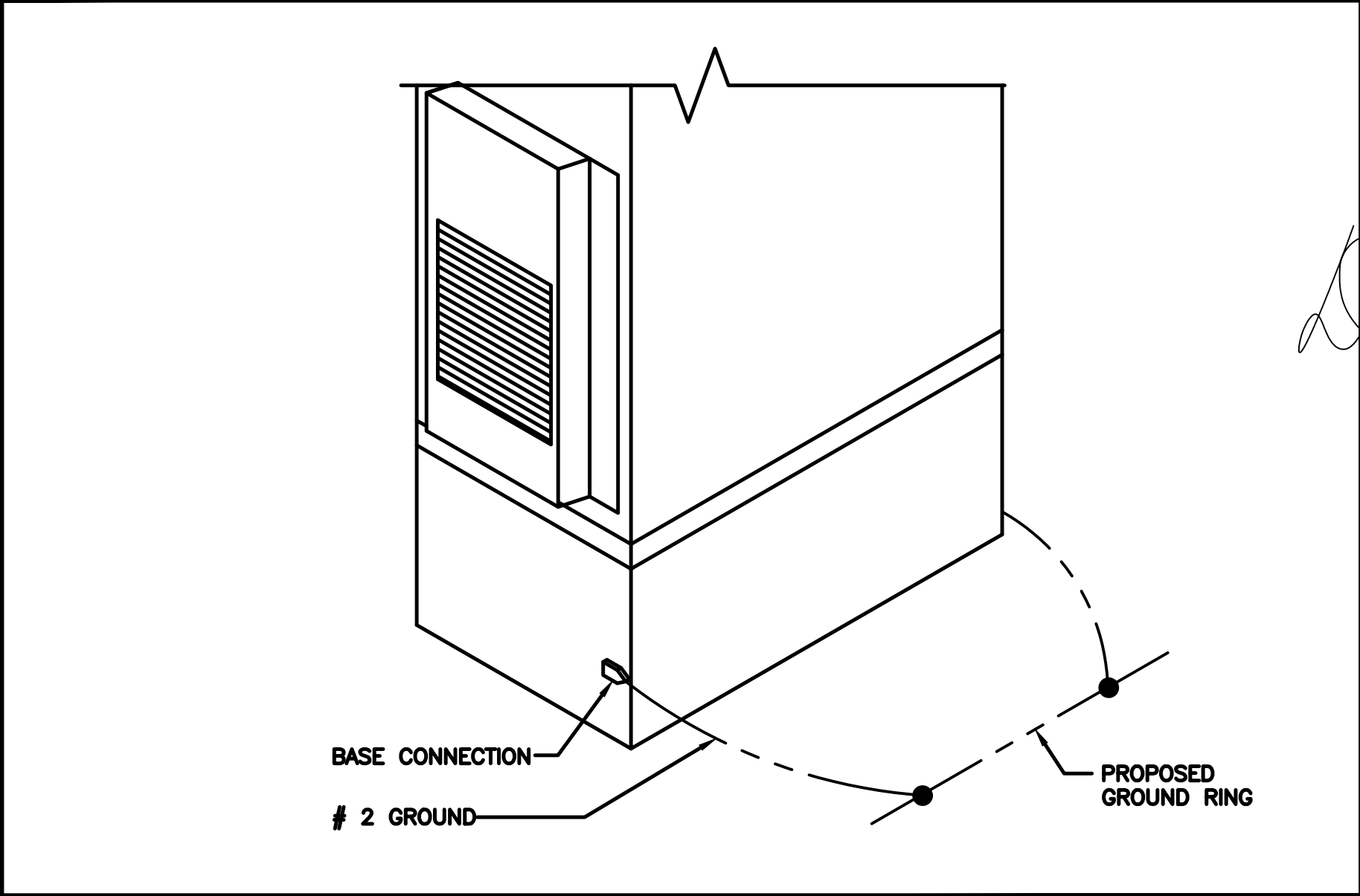
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TYPICAL GPS UNIT GROUNDING

NO SCALE

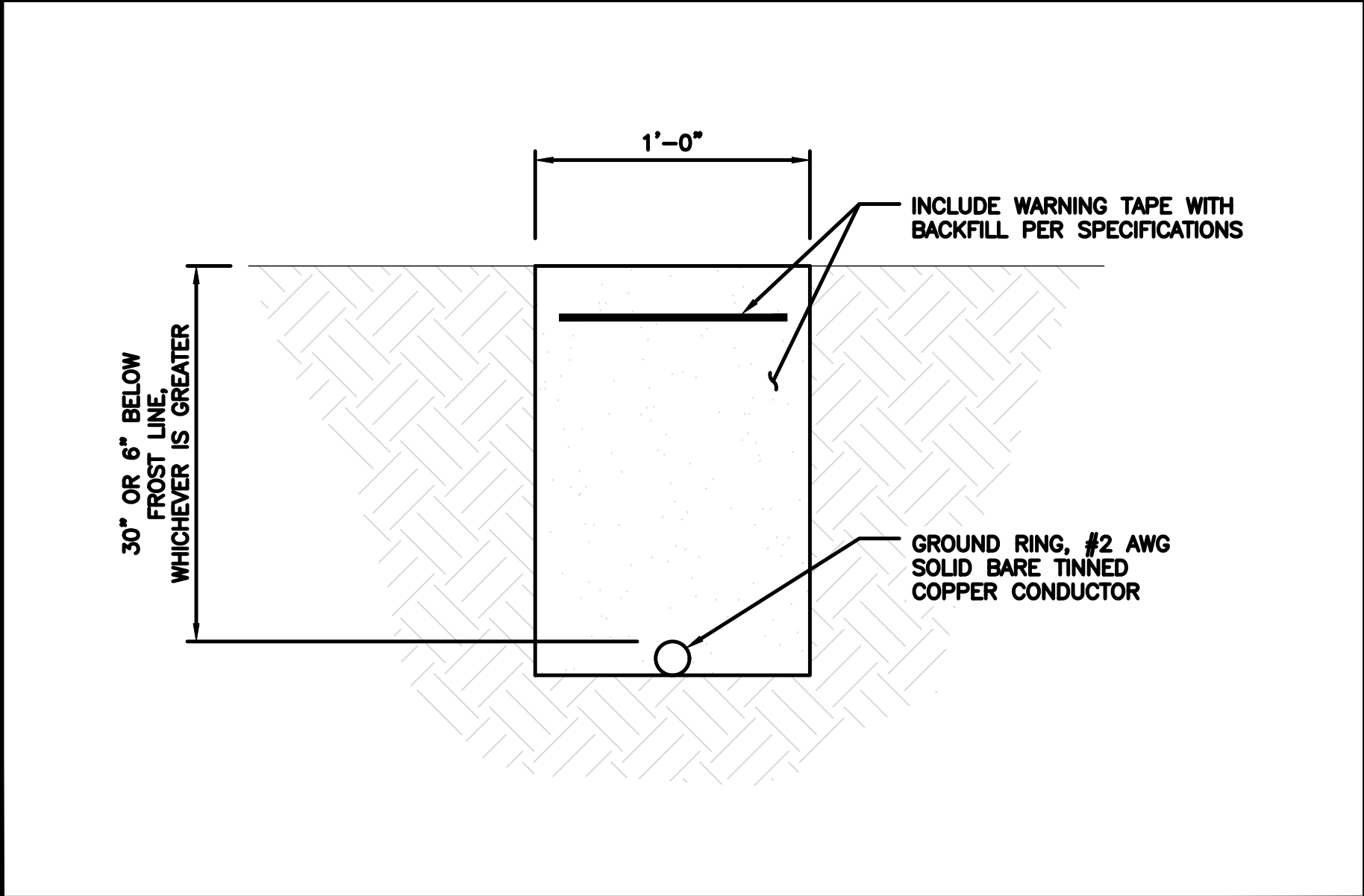
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OUTDOOR CABINET GROUNDING

NO SCALE

3



TYPICAL GROUND RING TRENCH

NO SCALE

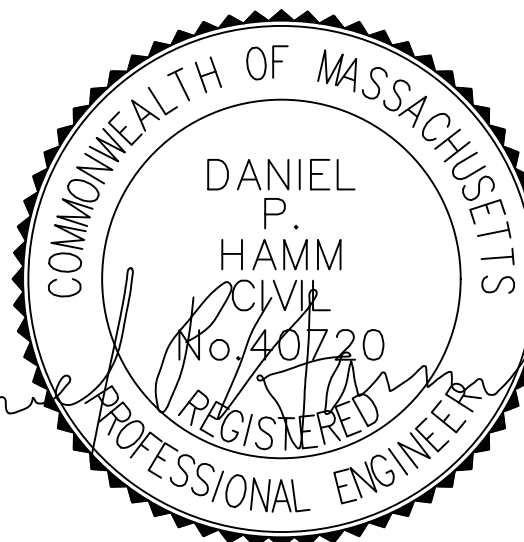
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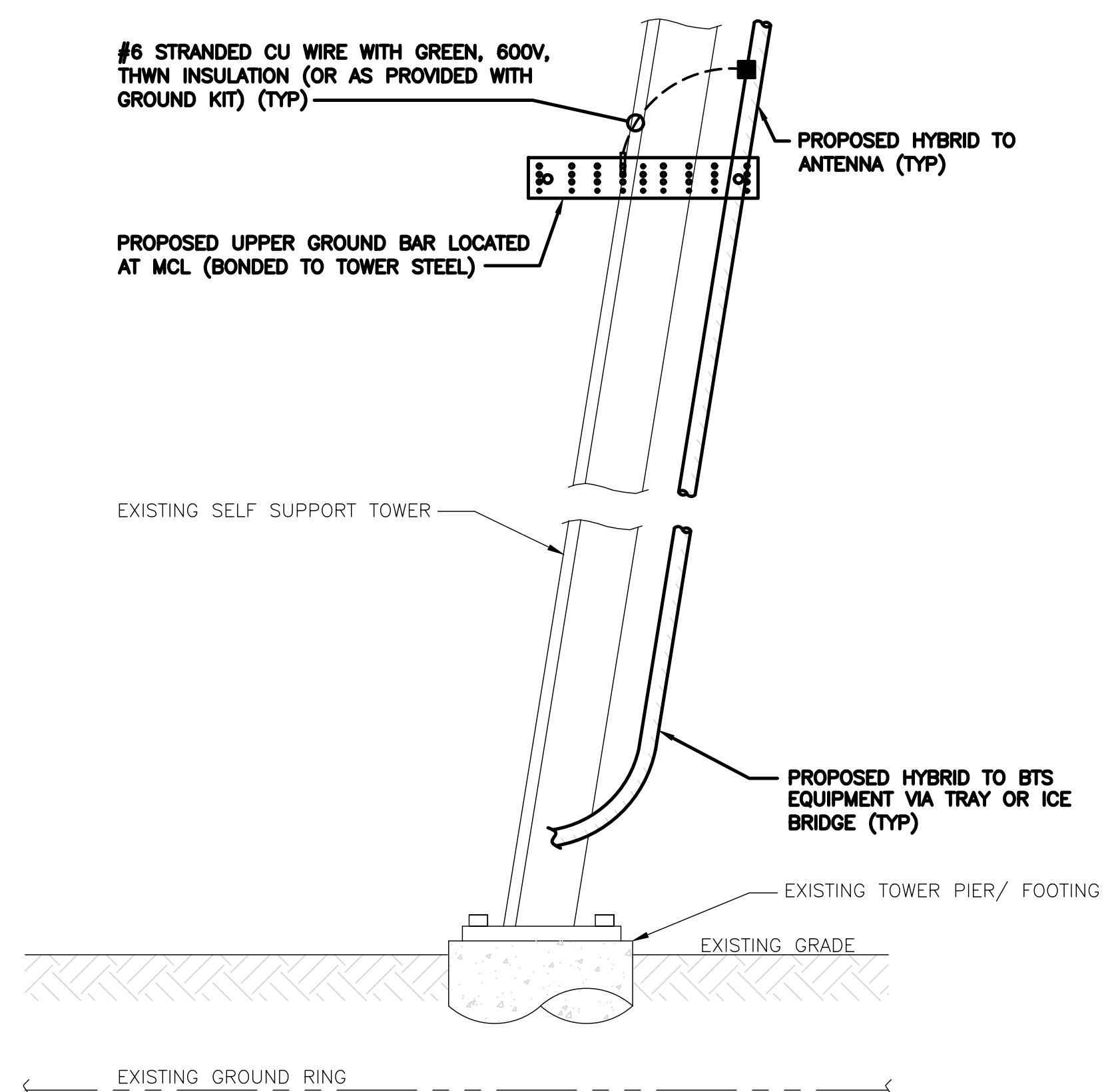
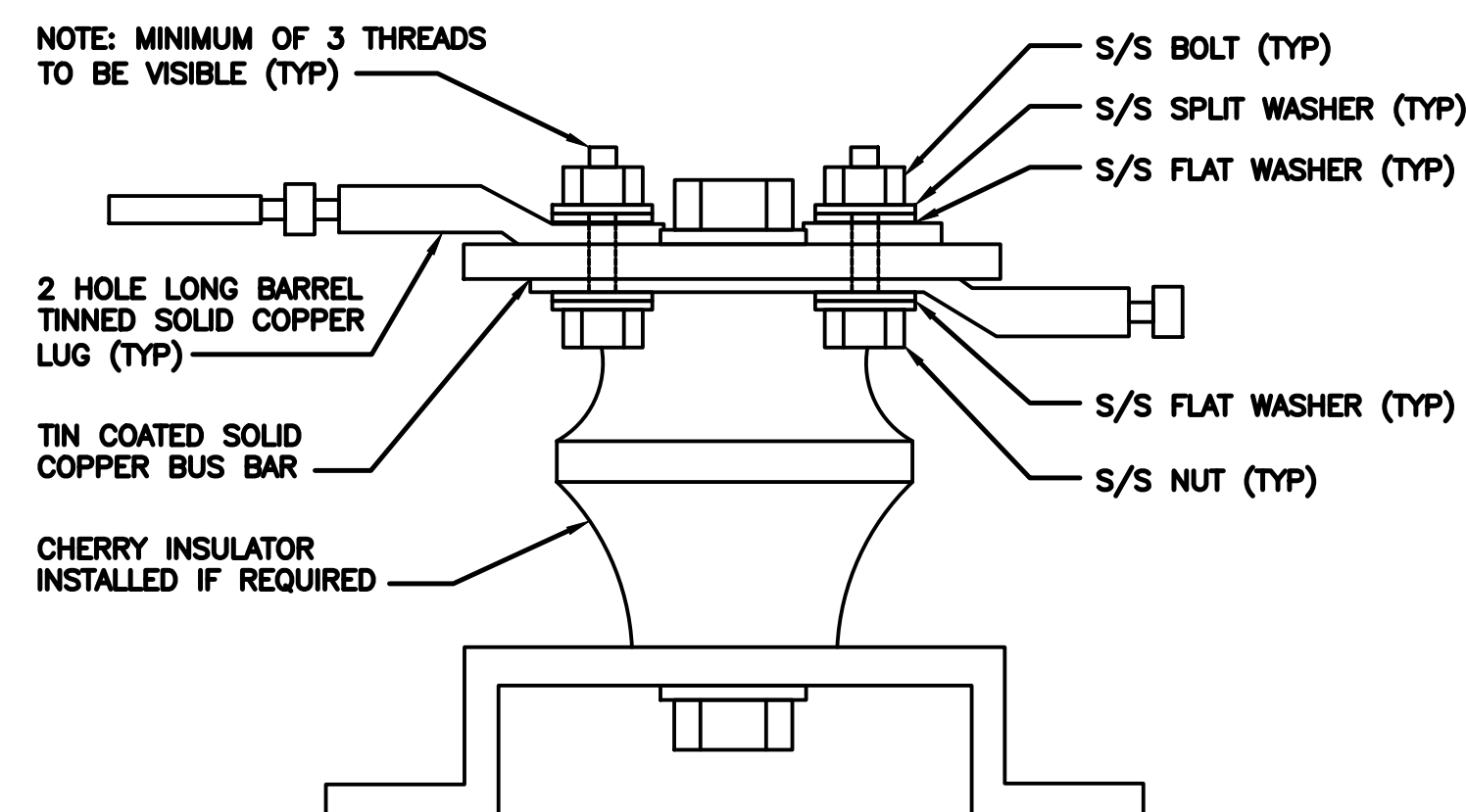
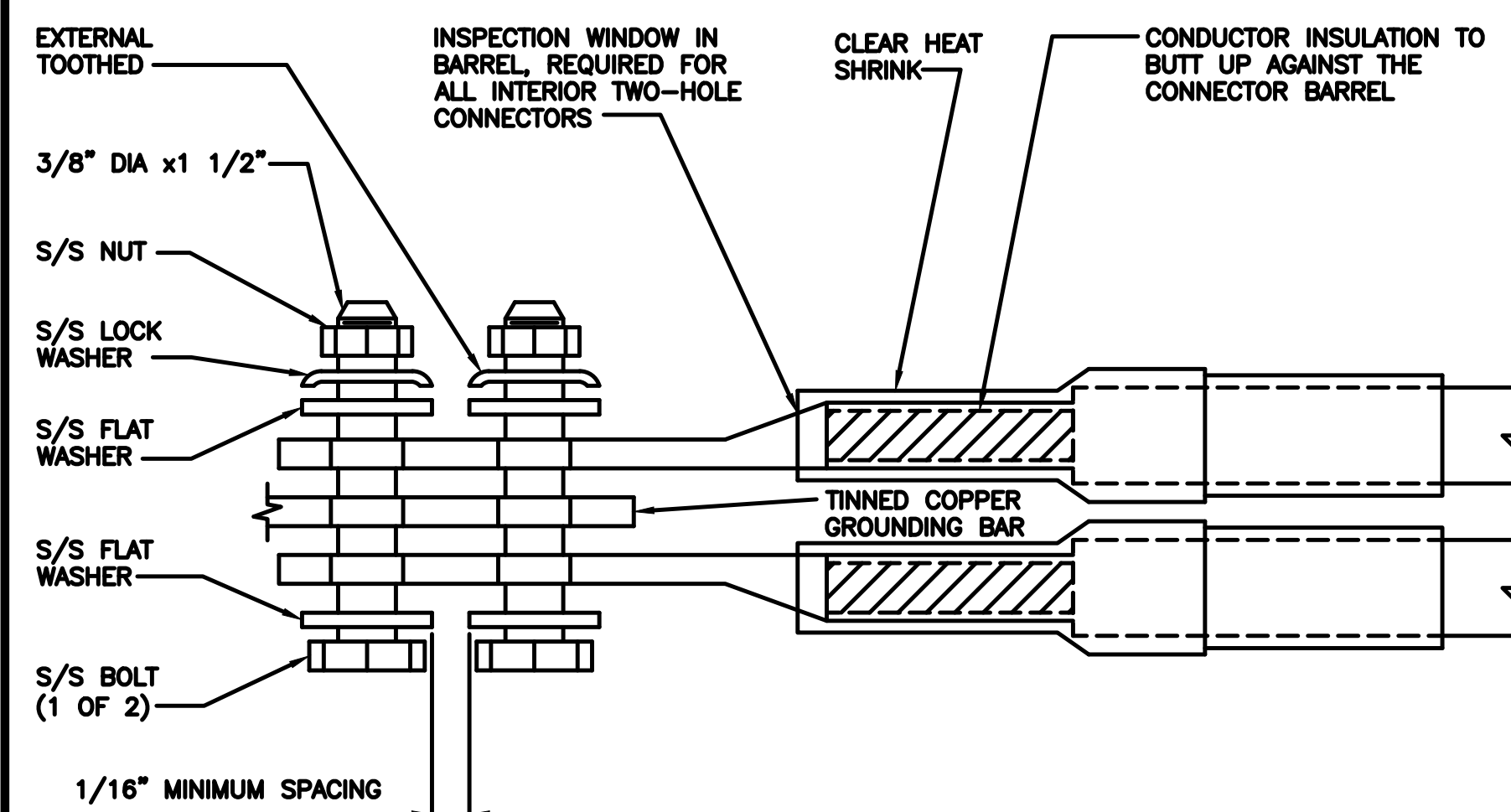
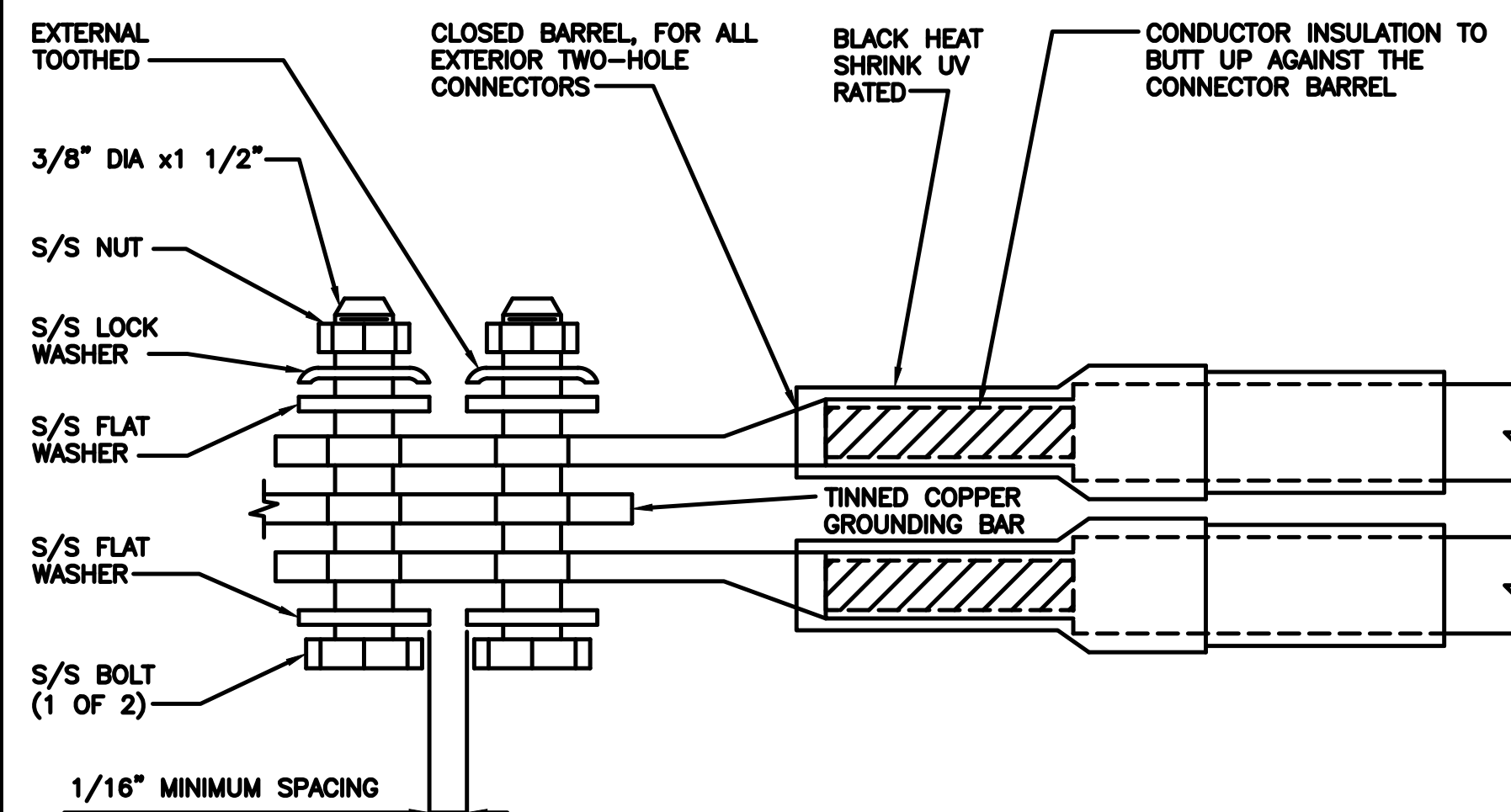
SHEET TITLE

GROUNDING DETAILS

SHEET NUMBER

G-2

1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).



- NOTES:**
1. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
 2. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

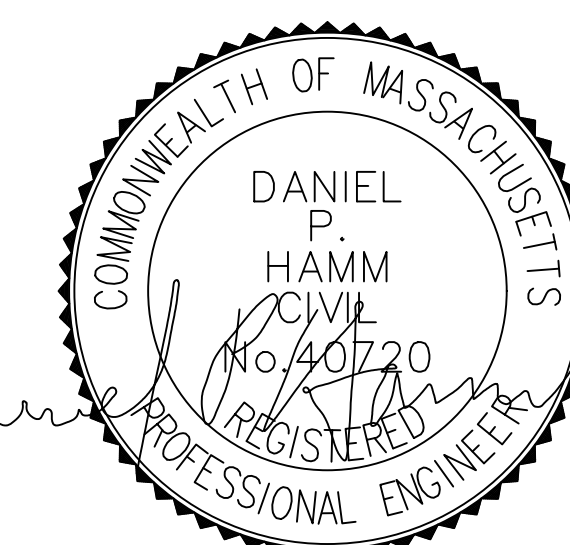
The Dish Wireless logo, featuring the word "dish" in a bold, lowercase sans-serif font, with the "i" stylized as a satellite dish. Below "dish" is the word "wireless" in a smaller, lowercase sans-serif font.

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SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER

G-3

<div><div>EXOTHERMIC CONNECTION</div><div>MECHANICAL CONNECTION</div><div>BUSS BAR INSULATOR</div><div>CHEMICAL ELECTROLYTIC GROUNDING SYSTEM</div><div>TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM</div><div>EXOTHERMIC WITH INSPECTION SLEEVE</div><div>GROUNDING BAR</div><div>GROUND ROD</div><div>TEST GROUND ROD WITH INSPECTION SLEEVE</div><div>SINGLE POLE SWITCH</div><div>DUPLEX RECEPTACLE</div><div>DUPLEX GFCI RECEPTACLE</div><div>FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48-T8</div><div>SMOKE DETECTION (DC)</div><div>EMERGENCY LIGHTING (DC)</div><div>SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25A400/51K-SR4-120-PE-DDBTXD</div><div>CHAIN LINK FENCE</div><div>WOOD/WROUGHT IRON FENCE</div><div>WALL STRUCTURE</div><div>LEASE AREA</div><div>PROPERTY LINE (PL)</div><div>SETBACKS</div><div>ICE BRIDGE</div><div>CABLE TRAY</div><div>WATER LINE</div><div>UNDERGROUND POWER</div><div>UNDERGROUND TELCO</div><div>OVERHEAD POWER</div><div>OVERHEAD TELCO</div><div>UNDERGROUND TELCO/POWER</div><div>ABOVE GROUND POWER</div><div>ABOVE GROUND TELCO</div><div>ABOVE GROUND TELCO/POWER</div><div>WORKPOINT</div><div>SECTION REFERENCE</div><div>DETAIL REFERENCE</div></div> <div><div><div><div>●</div><div>■</div><div>▲</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>— X — X — X — X —</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div><div>W</div><div>W</div><div>W</div><div>W</div><div>W</div></div><div><div>UGP</div><div>UGP</div><div>UGP</div><div>UGP</div><div>UGP</div></div><div><div>UGT</div><div>UGT</div><div>UGT</div><div>UGT</div><div>UGT</div></div><div><div>OHP</div><div>OHP</div><div>OHP</div><div>OHP</div></div><div><div>OHT</div><div>OHT</div><div>OHT</div><div>OHT</div></div><div><div>UGT/P</div><div>UGT/P</div><div>UGT/P</div><div>UGT/P</div></div><div><div>AGP</div><div>AGP</div><div>AGP</div><div>AGP</div><div>AGP</div></div><div><div>AGT</div><div>AGT</div><div>AGT</div><div>AGT</div><div>AGT</div></div><div><div>AGT/P</div><div>AGT/P</div><div>AGT/P</div><div>AGT/P</div></div></div><div><div>W.P.</div><div></div><div></div></div></div></div> <div><div>ABANCHOR BOLT</div><div>ABVABOVE</div><div>ACALTERNATING CURRENT</div><div>ADDLADDITIONAL</div><div>AFFABOVE FINISHED FLOOR</div><div>AFGABOVE FINISHED GRADE</div><div>AGLABOVE GROUND LEVEL</div><div>AICAMPERAGE INTERRUPTION CAPACITY</div><div>ALUMALUMINUM</div><div>ALTALTERNATE</div><div>ANTANTENNA</div><div>APPROXAPPROXIMATE</div><div>ARCHARCHITECTURAL</div><div>ATSAutomatic transfer switch</div><div>AWGAMERICAN WIRE GAUGE</div><div>BATTBATTERY</div><div>BLDGBUILDING</div><div>BLKBLOCK</div><div>BLKGBLOCKING</div><div>BMBEAM</div><div>BTCBARE TINNED COPPER CONDUCTOR</div><div>BOFBOTTOM OF FOOTING</div><div>CABCABINET</div><div>CANTCANTILEVERED</div><div>CHGCHARGING</div><div>CLGCEILING</div><div>CLRCLEAR</div><div>COLCOLUMN</div><div>COMMCOMMON</div><div>CONCCONCRETE</div><div>CONSTRCONSTRUCTION</div><div>DBLDOUBLE</div><div>DCDIRECT CURRENT</div><div>DEPTDEPARTMENT</div><div>DFDOUGLAS FIR</div><div>DIA DIAMETER</div><div>DIAGDIAGONAL</div><div>DIMDIMENSION</div><div>DWGDRAWING</div><div>DWLDOWEL</div><div>EAEACH</div><div>ECELECTRICAL CONDUCTOR</div><div>ELELEVATION</div><div>ELECELECTRICAL</div><div>EMTELECTRICAL METALLIC TUBING</div><div>ENGENGINEER</div><div>EQUEQUAL</div><div>EXPEXPANSION</div><div>EXTEXTERIOR</div><div>EW EACH WAY</div><div>FABFABRICATION</div><div>FFFINISH FLOOR</div><div>FGFINISH GRADE</div><div>FIFACILITY INTERFACE FRAME</div><div>FINFINISH(ED)</div><div>FLRFLOOR</div><div>FDNFFOUNDATION</div><div>FOCFACE OF CONCRETE</div><div>FOMFACE OF MASONRY</div><div>FOSFACE OF STUD</div><div>FOWFACE OF WALL</div><div>FSFINISH SURFACE</div><div>FTFOOT</div><div>FTGFOOTING</div><div>GAGAUGE</div><div>GENGENERATOR</div><div>GFCIGROUND FAULT CIRCUIT INTERRUPTER</div><div>GLBGLUE LAMINATED BEAM</div><div>GLVGALVANIZED</div><div>GPSGLOBAL POSITIONING SYSTEM</div><div>GNDGROUND</div><div>GSMGLOBAL SYSTEM FOR MOBILE</div><div>HDBGHOT DIPPED GALVANIZED</div><div>HDRHEADER</div><div>HGRHANGER</div><div>HVACHHEAT/VENTILATION/AIR CONDITIONING</div><div>HTHEIGHT</div><div>IGRINTERIOR GROUND RING</div></div> <div><div>ININCH</div><div>INTINTERIOR</div><div>LB(S)POUND(S)</div><div>LF LINEAR FEET</div><div>LTE LONG TERM EVOLUTION</div><div>MASMASONRY</div><div>MAXMAXIMUM</div><div>MBMACHINE BOLT</div><div>MECHMECHANICAL</div><div>MFRMANUFACTURER</div><div>MGBMASTER GROUND BAR</div><div>MINMINIMUM</div><div>MISC MISCELLANEOUS</div><div>MTLMETAL</div><div>MTSMANUAL TRANSFER SWITCH</div><div>MWMICROWAVE</div><div>NECNATIONAL ELECTRIC CODE</div><div>NMNEWTON METERS</div><div>NO. NUMBER</div><div>#NUMBER</div><div>NTSNOT TO SCALE</div><div>OC ON-CENTER</div><div>OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION</div><div>OPNGOPENING</div><div>P/C PRECAST CONCRETE</div><div>PCSPERSONAL COMMUNICATION SERVICES</div><div>PCUPRIMARY CONTROL UNIT</div><div>PRCPRIMARY RADIO CABINET</div><div>PPPOLARIZING PRESERVING</div><div>PSFPOUNDS PER SQUARE FOOT</div><div>PSIPOUNDS PER SQUARE INCH</div><div>PTPRESSURE TREATED</div><div>PWRPOWER CABINET</div><div>QTYQUANTITY</div><div>RADRADIUS</div><div>RECTRECTIFIER</div><div>REFREFERENCE</div><div>REINFREINFORCEMENT</div><div>REQ'DREQUIRED</div><div>RETREMOTE ELECTRIC TILT</div><div>RF RADIO FREQUENCY</div><div>RMC RIGID METALLIC CONDUIT</div><div>RRH REMOTE RADIO HEAD</div><div>RRUREMOTE RADIO UNIT</div><div>RWY RACEWAY</div><div>SCHSCHEDULE</div><div>SHTSHEET</div><div>SIADSMART INTEGRATED ACCESS DEVICE</div><div>SIMSIMILAR</div><div>SPECSPECIFICATION</div><div>SQSQUARE</div><div>SSSTAINLESS STEEL</div><div>STDSTANDARD</div><div>STLSTEEL</div><div>TEMPTEMPORARY</div><div>THKTHICKNESS</div><div>TMATOWER MOUNTED AMPLIFIER</div><div>TNTOE NAIL</div><div>TOATOP OF ANTENNA</div><div>TOCTOP OF CURB</div><div>TOFTOP OF FOUNDATION</div><div>TOPTOP OF PLATE (PARAPET)</div><div>TOSTOP OF STEEL</div><div>TOWTOP OF WALL</div><div>TVSSTRANSIENT VOLTAGE SURGE SUPPRESSION</div><div>TYPTYPICAL</div><div>UGUNDERGROUND</div><div>ULUNDERWRITERS LABORATORY</div><div>UNO UNLESS NOTED OTHERWISE</div><div>UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM</div><div>UPS UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)</div><div>VIFVERIFIED IN FIELD</div><div>WWIDE</div><div>W/WITH</div><div>WDWOOD</div><div>WPWEATHERPROOF</div><div>WTWEIGHT</div></div>

LEGEND

ABBREVIATIONS

SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED – NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.
2. "LOOK UP" – DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH Wireless L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH Wireless L.L.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER’S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR’S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

- 1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER:DISH Wireless L.L.C.

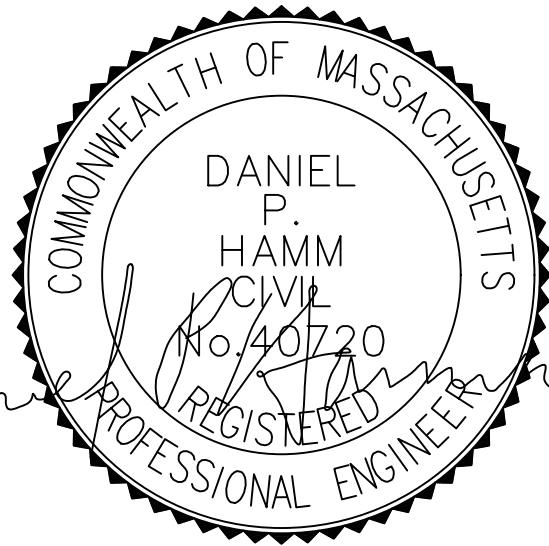
TOWER OWNER:TOWER OWNER
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR’S EXPENSE TO THE SATISFACTION OF DISH Wireless L.L.C. AND TOWER OWNER
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER’S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
PS	SMA	DPH

RFDS REV #: 2

PRELIMINARY DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	11/15/2021	ISSUED FOR REVIEW

A&E PROJECT NUMBER
BOBOS00592A

DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

• CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"

• CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 BARS AND LARGER 2"

#5 BARS AND SMALLER 1-1/2"

• CONCRETE NOT EXPOSED TO EARTH OR WEATHER:

• SLAB AND WALLS 3/4"

• BEAMS AND COLUMNS 1-1/2"

7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- ELECTRICAL INSTALLATION NOTES:
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.

3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.

4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.

5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.

6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).

7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.

8. TIE WRAPS ARE NOT ALLOWED.

9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.

12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).

14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.

18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.

20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.

21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).

22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).

23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.

24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.

25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless L.L.C.".

30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.
-
- 5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120
-
- 45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586
-
- IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.
- DRAWN BY: CHECKED BY: APPROVED BY:
- PS SMA DPH
- RFDS REV #: 2
- PRELIMINARY DOCUMENTS
- | SUBMITTALS | | |
|------------|------------|-------------------|
| REV | DATE | DESCRIPTION |
| A | 11/15/2021 | ISSUED FOR REVIEW |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
- A&E PROJECT NUMBER
- BOBOS00592A
- DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652
- SHEET TITLE
GENERAL NOTES
- SHEET NUMBER
- GN-3
- DISH Wireless L.L.C. TEMPLATE VERSION 45 – 10/29/2021

GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES’S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4” NON–METALLIC, FLEXIBLE CONDUIT FROM 24” BELOW GRADE TO WITHIN 3” TO 6” OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.

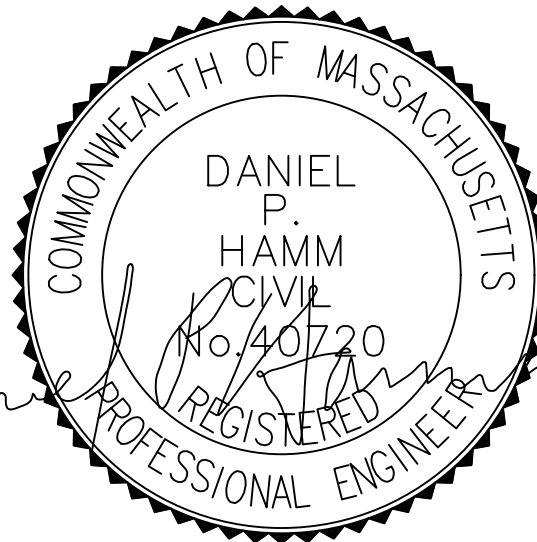


5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



HUDSON
Design Group LLC

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DRAWN BY:	CHECKED BY:	APPROVED BY:
PS	SMA	DPH

RFDS REV #: 2

PRELIMINARY
DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	11/15/2021	ISSUED FOR REVIEW

A&E PROJECT NUMBER

BOBOS00592A

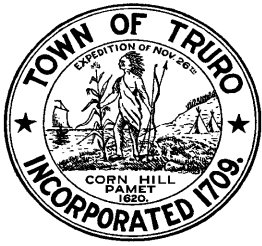
DISH Wireless L.L.C.
PROJECT INFORMATION
BOBOS00592A
CROWN CASTLE BU#841273
344 ROUTE 6
NORTH TRURO, MA 02652

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-4



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Nicole Tudor, Executive Assistant

REQUESTED MEETING DATE: April 26, 2022

ITEM: Approval of Entertainment Licenses for Truro Vineyards of Cape Cod

EXPLANATION: MGL Chapter 140 § 181 provides local authority to license performance events. Entertainment Applications for review and approval are below:

- Wednesdays: 6-9pm, Truro Vineyards of Cape Cod, 11 Shore Rd
- June 29, 2022, July 6, 2022, July 13, 2022, July 20, 2022, July 27, 2022, August 3, 2022, August 10, 2022, August 17, 2022, August 24, 2022, and August 31, 2022.
No Dancing, Recorded music, No amplified music, 1-2 musicians, acoustic.
- Sundays: 6-8pm, Truro Vineyards of Cape Cod, 11 Shore Rd
May 29, 2022, June 5, 2022, June 12, 2022, June 19, 2022, June 26, 2022, July 3, 2022, July 10, 2022, July 17, 2022, July 24, 2022, July 31, 2022, August 7, 2022, August 14, 2022, August 21, 2022, August 28, 2022, September 4, 2022.
No dancing, Recorded music, DJ, and Amplified

The Entertainment Applications have been reviewed by the Chief of Police and approved.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: Entertainment will not be held for these events.

SUGGESTED ACTION: *MOTION TO approve One Day Entertainment Licenses for the following dates:*

- June 29, 2022, July 6, 2022, July 13, 2022, July 20, 2022, July 27, 2022, August 3, 2022, August 10, 2022, August 17, 2022, August 24, 2022, and August 31, 2022.
- May 29, 2022, June 5, 2022, June 12, 2022, June 19, 2022, June 26, 2022, July 3, 2022, July 10, 2022, July 17, 2022, July 24, 2022, July 31, 2022, August 7, 2022, August 14, 2022, August 21, 2022, August 28, 2022, September 4, 2022.

And authorize the Chair to sign the applications and the Commonwealth of Massachusetts Sunday

Entertainment License.

ATTACHMENTS:

1. One Day Entertainment Applications signed by the Chief of Police



TOWN OF TRURO

Licensing Department

PO Box 2030, Truro, MA 02666

PH: 508-349-7004, Ext. 110 or 124 Fax: 508-349-5505

Email: ntudor@truro-ma.gov or nscoullar@truro-ma.gov

Application for an Entertainment License



Weekday



Saturday



Sunday

*Please complete the Commonwealth's
Public Entertainment on Sunday
Application

The undersigned hereby applies for a license in accordance with the provisions of
Mass. General Laws, c.140 §183A amended, Ch. 140§181 & Ch.136§4

BUSINESS/ORGANIZATION INFORMATION

Kristen Roberts

Truro Vineyards of Cape Cod

Name of Applicant

Business/Organization Name

PO Box 834 North Truro, MA 02652

Mailing Address of Business/Organization

Is this a Non-profit or For-profit Entity (Check the appropriate box)



Yes



No

If yes, proof of Non-profit status **must** accompany this application

Kristen Roberts

508-487-6200

Contact Person

Phone Number

Email

INDIVIDUAL APPLICANT INFORMATION

Individual's Name

Mailing Address

Phone Number

Email Address

EVENT INFORMATION

6/29/22, 7/6/22, 7/13/22, 7/20/22, 7/27/22, 8/3/22, 8/10/22, 8/17/22, 8/24/22, 8/31/22

Day (s)/Date (s) of Event for License to be issued

Purpose of Event (example: fundraiser)

Hours of Event (from - to) 6-9

Truro Vineyards 11 Shore Road North Truro, MA 02652

Event is: ☐ Indoor ☒ Outdoor Event
(Please check applicable box)

Location (Must provide facility name, if any, street number and name)

Kristen Roberts 11 Shore Road North Truro, MA 02652

508-487-6200

Property Owner Name and Address

Phone number

Seating Capacity: 65

Occupancy Number: _____

N/A

Approximate number of people attending 65

Name of Caterer (if applicable)

If the event is catered please return Caterer Food Service Form to Health Agent at Fax # 508.349.5508

Will an admission fee be collected? ☒ Yes ☐ No

Will there be a One Day Alcohol License ☐ Yes ☒ No

If yes; you must also apply for a One Day Alcohol License

Will there be Police Traffic Control? ☐ Yes ☒ No

ENTERTAINMENT INFORMATION

Type of Entertainment: Please check the appropriate boxes.

Dancing: ☐ By Patron ☐ By Entertainers ☒ No Dancing

Music: ☐ Recorded ☐ Juke Box ☒ Live ☐ No Music

Number of Musicians & Instruments (Type) One or two musicians- acoustic

Amplified System: ☐ Yes ☒ No

Shows: ☐ Theater ☐ Movies ☐ Floor Show ☐ Light Show
☒ No Show

Other: ☐ Video Games ☐ Pool/Billiard Tables (Please indicate quantity) _____

Applicant's Signature

I certify under the pains and penalties of perjury that the above information is true and that I will comply with all applicable regulations of the Town of Truro.

Signature _____

Date 4/7/2022

- A valid entertainment license must be on the premises before the entertainment is commenced.
- No entertainment shall be offered, conducted, or otherwise provided by any establishment licensed under MGL Chapter 140 without first obtaining an entertainment license from the Select Board.
- Sunday entertainment must be specifically requested and addressed in the permitting process, under MGL 136.
- These regulations are intended to allow the Select Board to determine the appropriate parameters to limit impacts to the neighbors of the establishment and to the community by the establishment and the entertainment provided therein.
- A copy of the required Fire Safety Inspection Certificate of the facility must be provided, if applicable.
- The Local Licensing Authority may impose restrictions and/or conditions.

Office Use Only

☐ Fee \$50.00

APPROVAL

License No. _____

Select Board _____ Meeting Date _____

Police Department [Signature] Date 4/14/2022

Restrictions/Conditions attached to the license by the Select Board or its Delegate: _____



TOWN OF TRURO

Licensing Department

PO Box 2030, Truro, MA 02666

PH: 508-349-7004, Ext. 110 or 124 Fax: 508-349-5505

Email: ntudor@truro-ma.gov or nscoullar@truro-ma.gov

Application for an Entertainment License

☐

Weekday

☐

Saturday

☒

Sunday

*Please complete the Commonwealth's
Public Entertainment on Sunday
Application

The undersigned hereby applies for a license in accordance with the provisions of
Mass. General Laws, c. 140 §183A amended, Ch. 140§181 & Ch.136§4

BUSINESS/ORGANIZATION INFORMATION

Kristen Roberts

Truro Vineyards of Cape Cod

Name of Applicant

Business/Organization Name

PO Box 834 North Truro, MA 02652

Mailing Address of Business/Organization

Is this a Non-profit or For-profit Entity (Check the appropriate box)

☐

Yes

☒

No

If yes, proof of Non-profit status must accompany this application

Kristen Roberts

508-487-6200

Contact Person

Phone Number

Email

INDIVIDUAL APPLICANT INFORMATION

Individual's Name

Mailing Address

Phone Number

Email Address

EVENT INFORMATION

29/22, 6/5/22, 6/12/22, 4/19/22, 6/26/22, 1/3/22, 7/10/22, 7/17/22, 1/24/22, 1/31/22, 8/1/22, 8/14/22, 8/21/22, 8/28/22, 9/4/22
Day(s)/Date(s) of Event for License to be issued Purpose of Event (example: fundraiser)

Hours of Event (from - to) 6-8

Truro Vineyards 11 Shore Road North Truro, MA 02652

Location (Must provide facility name, if any, street number and name)

Event is: ☐ Indoor ☒ Outdoor Event
(Please check applicable box)

Kristen Roberts 11 Shore Road North Truro, MA 02652

508-487-6200

Property Owner Name and Address

Phone number

Seating Capacity: _____

Occupancy Number: _____

N/A

Name of Caterer (if applicable)

Approximate number of people attending _____

If the event is catered please return Caterer Food Service Form to Health Agent at Fax # 508.349.5508

Will an admission fee be collected? ☒ Yes ☐ No

Will there be a One Day Alcohol License ☐ Yes ☒ No

If yes; you must also apply for a One Day Alcohol License

Will there be Police Traffic Control? ☐ Yes ☒ No

ENTERTAINMENT INFORMATION

Type of Entertainment: Please check the appropriate boxes.

Dancing: ☐ By Patron ☐ By Entertainers ☒ No Dancing

Music: ☒ Recorded ☐ Juke Box ☐ Live ☐ No Music

Number of Musicians & Instruments (Type) DJ

Amplified System: ☒ Yes ☐ No

Shows: ☐ Theater ☐ Movies ☐ Floor Show ☐ Light Show
☒ No Show

Other: ☐ Video Games ☐ Pool/Billiard Tables (Please indicate quantity) _____

Applicant's Signature

I certify under the pains and penalties of perjury that the above information is true and that I will comply with all applicable regulations of the Town of Truro.

Signature _____

Date 4/7/2022

- A valid entertainment license must be on the premises before the entertainment is commenced.
- No entertainment shall be offered, conducted, or otherwise provided by any establishment licensed under MGL Chapter 140 without first obtaining an entertainment license from the Select Board.
- Sunday entertainment must be specifically requested and addressed in the permitting process, under MGL 136.
- These regulations are intended to allow the Select Board to determine the appropriate parameters to limit impacts to the neighbors of the establishment and to the community by the establishment and the entertainment provided therein.
- A copy of the required Fire Safety Inspection Certificate of the facility must be provided, if applicable.
- The Local Licensing Authority may impose restrictions and/or conditions.

Office Use Only

☐ Fee \$50.00

APPROVAL

License No. _____

Select Board _____ Meeting Date _____

Police Department _____ Date 4/14/2022

Restrictions/Conditions attached to the license by the Select Board or its Delegate: _____

State Fee, \$ _____
Municipal Fee, \$ _____

THE COMMONWEALTH OF MASSACHUSETTS
Town Truro OF Truro



LICENSE

For

PUBLIC ENTERTAINMENT ON SUNDAY

The Name of the Establishment is Truro Vineyards of Cape Cod in or on the property at No. 11 Shore Road North Truro, MA 02652 (address)

The Licensee or Authorized representative, Kristen Roberts in

accordance with chapter 136 of the General Laws, as amended, hereby request a license for the following program or entertainment:

DATE	TIME	Proposed dancing or game, sport, fair, exposition, play, entertainment or public diversion
<u>Sunday</u>		
<u>5/29/22 - 5/31/22</u>	<u>6-8</u>	<u>DJ</u>

Hon. _____ Mayor/ Chairman of Board of Selectman, _____ (City or Town)

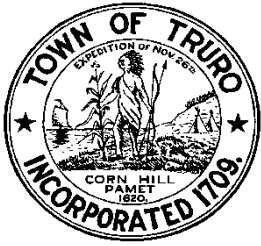
Fees per occurrence (Individual Sunday(s)): Regular Hours (Sunday 1:00pm – Midnight): \$2.00 Special Hours (Sunday 12:00 am- Midnight): \$5.00. Annual Fee (For Operating on every Sunday in calendar year): Regular Hours (Sunday 1:00pm – Midnight): \$50.00 Special Hours (Sunday 12:00 am- Midnight): \$100.00

This license is granted and accepted, and the entertainment approved, upon the understanding that such entertainment that the licensee shall comply with the laws of the Commonwealth applicable to licensed entertainments, and also to the following terms and conditions: The licensee shall at all times allow any person designated in writing by the Mayor, Board of Selectmen, or Commissioner of Public Safety, to enter and inspect his place of amusement and view the exhibitions and performances therein; shall permit regular police officers, detailed by the Commissioner of Public Safety or Chief of the local Police Department to enter and be about this place of amusement during performances therein; may employ to preserve order in his place of amusement only regular or special police officers designated therefore by the Chief of Police, and shall pay to said Chief of Police for the services of the regular police officers such amount as shall be fixed by him; shall permit at all times to enter and be about his place of amusement such members of the Fire Department as shall be detailed by the Chief of the Fire Department to guard against fire; shall keep in good condition, go as to be easily accessible, such standpipes, hose, axes, chemical extinguishers and other apparatus as the fire department may require; shall allow such members of the fire department in case of any fire in such place, to exercise exclusive control and direction of his employees and of the means and apparatus provided for extinguishing fire therein; shall permit no obstruction of any nature in any aisle, passageway or stairway of the licensed premises, nor allow any person therein to remain in any aisle passageway or stairway during an entertainment; and shall conform to any other rules and regulations at any time made by the Mayor or Board of Selectmen. This license shall be kept on the premise where the entertainment is to be held, and shall be surrendered to any regular police officer or authorized representative of the Department of Public Safety. This license is issued under the provisions of Chapter 136 of the General Laws, as amended, and is subject to revocation at any time by the Mayor, Board of Selectmen, or Commissioner of Public Safety.

Do not write in this box

This application and program must be signed by the licensee or authorized representative of entertainment to be held. No Change to be made in the program without permission of the authorities granting and approving the license.

THIS LICENSE MUST BE POSTED IN A CONSPICUOUS PLACE ON THE PREMISES



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Licensing Department

REQUESTOR: Noelle Scoullar, Executive Assistant

REQUESTED MEETING DATE: April 26, 2022

ITEM: Approval of Renewal of 2022 Seasonal Business Licenses:

- **Terra Luna**-Common Victualer

EXPLANATION: This license is under the authority of the Select Board as the Local Licensing Authority. If you approve this license for renewal, the license will be issued only upon compliance with all regulations, receipt of the necessary fees, proof of taxes paid in full for the fiscal year. The Food Service License for the applicant has been issued by the Health Agent. There were no reported issues with this establishment in 2022.

Mass General Law	Licenses & Permits Issued by Select Board	Names of Businesses
Chapter 140 § 2	Common Victualer (Cooking, Preparing and Serving food)	Terra Luna

IMPACT IF NOT APPROVED: The applicant will not be issued their Licenses to operate.

SUGGESTED ACTION: *MOTION TO approve the 2022 Seasonal Licenses for Terra Luna Restaurant upon compliance with all regulations and receipt of the necessary fees.*

ATTACHMENTS:

1. Renewal Application for 2022: Terra Luna Restaurant

smoke exp: 3/4/22
sept. insp: 11/20/21

Consent Agenda Item: 7C 35/68

FS# 2022-111



Town of Truro Board of Health

24 Town Hall Road, P.O. Box 2030, Truro, MA 02666
Tel: 508-349-7004, Extension: 131 Fax: 508-349-5508
Email: ebeebe@truro-ma.gov or adavis@truro-ma.gov

APPLICATION FOR FOOD SERVICE - COMMON VICTUALER

☐ New ☒ Renewal

Section 1 - License Type

Type of License: ☐ Food Service ☒ Common Victualer

Type of Food Service Establishment:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Food Service (restaurant or take out) | <input checked="" type="checkbox"/> Catering |
| <input type="checkbox"/> Retail Food (commercially prepared foods) | <input type="checkbox"/> Manufacturer of Ice Cream/Frozen Dessert |
| <input type="checkbox"/> Residential Kitchen | <input type="checkbox"/> Bakery |
| <input type="checkbox"/> Bed & Breakfast w/Continental Breakfast | |

Section 2 - Business/Owner/Manger Information

Federal Employers Identification Number (FEIN/SS) [REDACTED]

Business Name: TERRA LUNA

Owner Name: TONY PASQUALE

Email Address: [REDACTED]

Mailing Address: PO BOX 666 NORTH TRURO 02652

Phone No: [REDACTED]

Person Directly Responsible for Daily Operations: (Owner, Person In Charge, Supervisor, Manager)

Name: TONY PASQUALE

Email Address: [REDACTED]

Mailing Address: PO BOX 83 SOUTH WELFLEET 02663

Phone No: [REDACTED]

24 Hour Emergency: _____

Section 3 - Business Operation Details

Number of Seats: Inside: _____ Outside: _____ Number of Employees: 11

Length of Permit: ☐ Annual ☒ Seasonal Operation

Hours of Operation: 5pm To 10pm

Days Closed Excluding Holidays: _____

If Seasonal: Approximate Dates of Operation: 5/15/22 To 10/15/22



The Commonwealth of Massachusetts
Department of Industrial Accidents
1 Congress Street, Suite 100
Boston, MA 02114-2017

www.mass.gov/dia

Workers' Compensation Insurance Affidavit: General Businesses.
TO BE FILED WITH THE PERMITTING AUTHORITY.

Applicant Information

Please Print Legibly

Business/Organization Name: Stastef inc dba TERRA LUNA

Address: 104 Shore Rd

City/State/Zip: N. TRURO 02052

Phone #: [REDACTED]

Are you an employer? Check the appropriate box:

1. ☒ I am an employer with 11 employees (full and/or part-time).*
2. ☐ I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required]
3. ☐ We are a corporation and its officers have exercised their right of exemption per c. 152, §1(4), and we have no employees. [No workers' comp. insurance required]**
4. ☐ We are a non-profit organization, staffed by volunteers, with no employees. [No workers' comp. insurance req.]

Business Type (required):

5. ☐ Retail
6. ☒ Restaurant/Bar/Eating Establishment
7. ☐ Office and/or Sales (incl. real estate, auto, etc.)
8. ☐ Non-profit
9. ☐ Entertainment
10. ☐ Manufacturing
11. ☐ Health Care
12. ☐ Other

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.

**If the corporate officers have exempted themselves, but the corporation has other employees, a workers' compensation policy is required and such an organization should check box #1.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy information.

Insurance Company Name: KERRY INSURANCE AGENCY, INC.

Insurer's Address: PO BOX 1945

City/State/Zip: N. Eastham MA 02661

Policy # or Self-ins. Lic. #

Expiration Date:

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).

Failure to secure coverage as required under Section 25A of MGL c. 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. Be advised that a copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: [Signature]

Date: 2/15/22

Phone #: [REDACTED]

Official use only. Do not write in this area, to be completed by city or town official.

City or Town: _____ Permit/License # _____

Issuing Authority (circle one):

1. Board of Health 2. Building Department 3. City/Town Clerk 4. Licensing Board 5. Selectmen's Office
6. Other _____

Contact Person: _____

Phone #: _____



TERRA-2

OP ID: MD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/02/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Kerry Insurance Agency Inc.
P. O. Box 1945
N. Eastham, MA 02651
W. Scott Kerry

508-255-8000

HEALTH DEPARTMENT
TOWN OF TRURO

INSURED
Terra Luna
Stoslef Inc dba
P O Box 666
N Truro, MA 02652

MAR 03 2022

RECEIVED BY

CONTACT **W. Scott Kerry**

PHONE (A/C, No, Ext): 508-255-8000

FAX (A/C, No): 508-240-1860

E-MAIL ADDRESS: **kerry@c4.net**

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: **Associated Employers Insurance**

INSURER B:

INSURER C:

INSURER D:

INSURER E:

INSURER F:

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADOL INSO	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						EACH OCCURRENCE \$ AGGREGATE \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTIONS \$						EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y <input type="checkbox"/> N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A		03/19/2022	03/19/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Restaurant

CERTIFICATE HOLDER

TOWN-13

Town Of Truro
P.O. Box 2030
Truro, MA 02666

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W. Scott Kerry



TERRA-2

OP ID: MD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/24/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Kerry Insurance Agency Inc.
P. O. Box 1945
N. Eastham, MA 02651
W. Scott Kerry

508-255-8000

CONTACT NAME: W. Scott Kerry

PHONE (A/C No., Ext): 508-255-8000

FAX (A/C No.): 508-240-1860

E-MAIL ADDRESS: kerry@ci4.net

HEALTH DEPARTMENT
TOWN OF TRURO

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: Capitol Specialty Ins Corp

INSURER B:

INSURER C:

INSURER D:

INSURER E:

INSURER F:

INSURED
Terra Luna
Stostef Inc dba
P O Box 666
N Truro, MA 02652

MAR 24 2022

RECEIVED BY

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR / WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Liquor GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			03/19/2022	03/19/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Per occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 COMBINED SINGLE LIMIT (Per occurrence) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ PER STATUTE OTH-ER
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes describe under DESCRIPTION OF OPERATIONS below	Y/N N/A				E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Liquor Liability			03/19/2022	03/19/2023	Occurrence 1,000,000 Aggregate 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Restaurant with Liquor Liability

CERTIFICATE HOLDER

TOWN-13

Town Of Truro
P.O. Box 2030
Truro, MA 02666

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W. Scott Kerry



TRURO FIRE RESCUE
Truro Public Safety Facility
344 Route 6 Truro, MA 02666

**FIRE PROTECTION SYSTEMS
ANNUAL TEST REPORT**

BUSINESS NAME: Stofsef inc. dba TERRA LUNA

OWNER/MANAGER: ANTHONY PASQUALE

ADDRESS: 104 Shore Rd, N. TRURO 02652

PHONE #: [REDACTED] NUMBER OF UNITS: 1

CONTACT PERSON: ANTHONY PASQUALE

ADDRESS: PO BOX 666 N. TRURO MA 02652

TESTING COMPANY: Ralph J. Perry, inc.

TESTING ELECTRICIAN/TECHNICIAN: MIKE

COMPANY PHONE #: [REDACTED] HOME PHONE #: [REDACTED]

LICENSE #: 5342

The fire protection system (s) including, but not limited to, (Sprinkler Systems) (Range Hood Systems) (Fire Extinguishers) (Type I II III Fire Alarm Systems) (C.O. Detectors) at the above mentioned business address, were tested, (CERTIFIED) the add parts of the systems, were found to be, or corrected to be, fully operational.

COMMENTS: _____

DATE OF CERTIFICATION: _____ BY: _____
Signature of Licensed Electrician

**THIS REPORT MUST BE FILLED OUT AND SUBMITTED, PRIOR TO THE ISSUANCE OF,
OR RENEWAL OF A LICENSE TO OPERATE WITHIN THE TOWN OF TRURO.**



FIRE EQUIPMENT
INCORPORATED

HEALTH DEPARTMENT
TOWN OF TRURO

MAR 29 2022

RECEIVED BY:

Kitchen Suppression System Inspection Certificate

For

Terra Luna
104 Shore Road
North Truro, MA 02666

Tested to NFPA Standards

This Inspection was performed in accordance with NFPA 17 or 17A Standards. The subsequent pages of this report provide performance measurements, listed ranges of acceptable results, and complete documentation of the inspection. Whenever discrepancies exist between acceptable performance standards and actual test results, notes and/or recommended solutions have been proposed or provided for immediate review and approval.

Inspection Date:

3/27/2022

Inspector Name: Luke Mackie

Title: Service Technician



FIRE EQUIPMENT INCORPORATED

Quantity of 212° F Links Changed	
Quantity of 280° F Links Changed	
Quantity of 360° F Links Changed	4
Quantity of 450° F Links Changed	
Quantity of 500° F Links Changed	
Interlocks	
Fuel shutoff	Yes
CERTIFICATE OF INSPECTION	
System tagged and left in service	Yes
Pertinent parties notified after conclusion of tasks	Yes
System returned to service	Yes
COMMENTS:	
6-Year Maintenance Test	
Are 6-year tests recorded?	No
12-Year Tests	
Are 12-year tests recorded?	



FIRE EQUIPMENT INCORPORATED

TOTAL # OF EXTINGUISHERS – 3

EXTINGUISHERS DUE SERVICE NEXT YEAR –

New Equipment -

DRY CHEM 2.5 ABC		DRY CHEM 5 ABC		DRY CHEM 10 ABC		DRY CHEM 20 ABC	
DRY CHEM 10 BC		DRY CHEM 20 BC		DRY CHEM 10 PK		DRY CHEM 20 PK	
CO2 5lb		CO2 10lb		CO2 15.5lb		CO2 20lb	
Pressurized Water		K Class		Halotron 2.5lb		Halotron 5lb	
Halotron 11lb		Halotron 15lb		Emergency Lights		Exit Lights	
Other							

Inspection/Recertification –

Dry Chem	2	K Class	1	Pressurized Water		Halotron	
CO2		Conductivity Test		Wheeled Unit		Emergency Light	
Exit Light		Other Insp					

Recharges –

Dry Chem 2 1/2 lb		Dry Chem 5 lb		Dry Chem 10lb		Dry Chem 20lb	
CO2 5 lb		CO2 10 lb		CO2 15 lb		CO2 20 lb	
Pressurized Water		K Class .61		2,5G		Halotron 2.5 lb	
Halotron 5 lb		Halotron 11 lb		Halotron 15.5 Lb		Conductivity Tests	

Service –

6 YR Maintenance Halotron		Hydrotest Dry Chem	
6 YR Maintenance Other		Hydrotest Other	

Parts –

Service Collar		ORing		Check Stem		Pull Pin	
Vehicle Bracket		Heavy Duty Bracket		Batteries		Battery Disposal	
Wall Hook		M1 - 5lb		M2 -10lb		20lb	
Bulbs		Replacement Cover		Gauge		FEC Cover	



FIRE EQUIPMENT
INCORPORATED

HEALTH DEPARTMENT
TOWN OF TRURO

MAR 05 2021

Protecting New England. Because so much is at stake.

RECEIVED BY:

MEDFORD • AGAWAM • HYANNIS • SMITHFIELD • MANCHESTER

Wet or Dry Chemical Suppression System Inspection Certificate

For

Terra Luna
104 Shore Road
North Truro, MA 02666

Tested to NFPA Standards

This Inspection was performed in accordance with NFPA 17 or 17A Standards. The subsequent pages of this report provide performance measurements, listed ranges of acceptable results, and complete documentation of the inspection. Whenever discrepancies exist between acceptable performance standards and actual test results, notes and/or recommended solutions have been proposed or provided for immediate review and approval.

Inspection Date:
03/04/2021

Inspector Name: Mike Holubesko
Title: Service Technician



FIRE EQUIPMENT INCORPORATED

Protecting New England. Because so much is at stake.

MEDFORD · AGAWAM · HYANNIS · SMITHFIELD · MANCHESTER

Temperature:	
Electric Detection	
Control panel tests	N/A
Battery load test performed?	N/A
Pass	
Fail	
Battery date:	
Restorable heat detector(s) tested	N/A
Interlocks	
Process interlock	N/A
Fuel shutoff	Yes
CERTIFICATE OF INSPECTION	
System tagged and left in service	Yes
Pertinent parties notified after conclusion of tasks	Yes
Alarm Panel Clear	N/A
System returned to service	Yes
Appliances Left to Right:	10 burn, 4 burn, gr char
COMMENTS:	
6-Year Maintenance Test	
Are 6-year tests recorded?	No
12-Year Tests	
Are 12-year tests recorded?	No

Fire Marshal Report

Submitted by: BORGES Cleaning Pro
20 Freedom St
Fall River, MA 02724
774-319-1796
tborges62@comcast.net

Date: 10/26/2021

To Whom It May Concern,

This report is sent on voluntary basis for the following reasons:

1. To inform the Fire Marshal staff of the conscientious effects of local restaurants that is eliminating any fire hazards.
2. To increase the safety and well-being of our firefighters.
3. To increase the standards and credibility of exhaust cleaning companies.

BORGES Cleaning Pro is a kitchen exhaust cleaning business.

On 10/26/21, BORGES Cleaning Pro cleaned all exhaust systems located at.

104 Shore Rd - N. Truro, MA, 02652.

To the best of our knowledge this location is in compliance with, and in fact, may be exceeding local and N.F.P.A. Standards.

The above named restaurant will be cleaned in accordance with N.F.P.A. 96 standards. We will be contacting you soon on the above named location when another scheduled service is rendered.

If you have any questions, please do not hesitate to contact us.

Thank you,

Tony Borges
Owner

RECEIVED BY
MAR 29 2022
HEALTH DEPARTMENT
TOWN OF TRURO



The Commonwealth of Massachusetts

Town of Truro




New and Renewal Certificate of Inspection

In accordance with 780 CMR, Chapter 1 (*The Ninth Edition of the Massachusetts State Building Code*) and Chapter 304 of the Acts of 2004 (*an Act to further enhance fire and life safety*), this certificate of inspection is issued to the premise or structure or part thereof as herein identified.

Issued to	Identify Name of Establishment					Certificate No.
	Terra Luna					22-008
Located at	Identify property address including street number, name, city or town and county					Certificate Expiration
	104 Shore Rd Map 35 Parcel 68					3/29/2023
Use Group Classification	Basement	First Floor	Second Floor	Third Floor	Fourth Floor	Other
		A2-R				
Allowable Occupant Load		65				

This *certificate of inspection* is hereby issued by the undersigned to certify that the premise, structure or portion thereof as herein specified has been inspected for general fire and life safety features. This certificate shall be framed behind clear glass and/or laminated and posted in a conspicuous place within the space as directed by the undersigned. *Failure to post or tampering with the contents of the certificate is strictly prohibited.*

Name of Municipal Fire Chief	TIMOTHY COLLINS	Name of Municipal Building Inspector	RICHARD STEVENS	Date of Inspection	3/29/2022
Signature of Municipal Fire Chief		Signature of Municipal Building Inspector		Date of Issuance	3/29/2022

HEALTH DEPARTMENT
TOWN OF TRURO

APR 23 2021

RECEIVED BY:



2020

**CPR & ECC
GUIDELINES**

Certificate

anthony pasquale

has successfully completed

Heartsaver® First Aid CPR AED Online Portion

Congratulations on learning lifesaving skills with the American Heart Association. Hands-on skills practice and testing, conducted by an authorized AHA BLS or Heartsaver Instructor, is required to receive a Heartsaver First Aid CPR AED course completion card.

For greater success, it is recommended the hands-on skills session be conducted shortly after completing the online portion. Please take this certificate with you to your hands-on skills session.

*This certificate does not constitute successful completion of the full
Heartsaver First Aid CPR AED Course.*

Topics Included

Survivor Story (Superintendent)
Hands-Only CPR
Adult CPR, AED, and Choking Relief
Key Steps of First Aid (Finding the Problem*)
Precautions (Exposure to Blood & Removing
Gloves*)

Allergic Reactions (Using an Epinephrine Pen*)
Heart Attack
Stroke
External Bleeding* (Direct Pressure and Bandaging &
Tourniquets)
Shock

IMP216NYTWZ1

Certificate Number

04/22/2021 20:05:25

Date Completed

CERTIFICATE OF ALLERGEN AWARENESS TRAINING

Name of Recipient: DANIEL BUDDINGTON

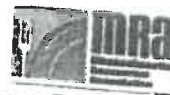
Certificate Number: 3804427

Date of Completion: 3/8/2019

Date of Expiration: 3/8/2024



*The above-named person is hereby issued this certificate
for completing an allergen awareness training program
recognized by the Massachusetts Department of Public Health
in accordance with 105 CMR 590.009(G)(3)(a).
This certificate will be valid for five (5) years from date of completion.*



Massachusetts Restaurant Association
333 Turnpike Road, Suite 102
Southborough, MA 01772
508-303-9905
www.massrestaurantassoc.org

Issued By:

NATIONAL
RESTAURANT
ASSOCIATION
800.765.2122
www.nscaturnant.org

ServSafe
National Restaurant Association

HEALTH DEPARTMENT
TOWN OF TRURO

DEC 04 2020

RECEIVED BY:

ServSafe® CERTIFICATION

DANIEL BUDDINGTON

for successfully completing the standards set forth for the ServSafe® Food Protection Manager Certification Examination, which is accredited by the American National Standards Institute (ANSI) - Conference for Food Protection (CFP).

10151922
CERTIFICATE NUMBER

10/15/2018

DATE OF EXAMINATION
Local laws apply. Check local requirements for recertification requirements.



#0855

5400

EXAM FORM NUMBER

10/15/2023

DATE OF EXPIRATION

Sherm

Education Solutions



In accordance with...

The ServSafe logo are trademarks of the NRAEF, National Restaurant Association® and the arc design

Contact us with questions at 233 S. Wacker Drive, Suite 3600, Chicago, IL 60604-6383 or ServSafe@restaurant.org.

ServSafe
National Restaurant Association

ServSafe® CERTIFICATION

GINGER LUND

for successfully completing the standards set forth for the ServSafe® Food Protection Manager Certification Examination, which is accredited by the American National Standards Institute (ANSI) - Conference for Food Protection (CFP).

HEALTH DEPARTMENT
TOWN OF TRURO

DEC 04 2020

RECEIVED BY:



#0855

CERTIFICATION NUMBER

10/15/2018

DATE OF EXPIRATION
Local laws apply. Check with your local health department for recertification requirements.

[Signature]
Sherman
Food Protection Solutions

5400

EXAM FORM NUMBER

10/15/2023

DATE OF EXPIRATION



DEC 04 2020

CERTIFICATE OF ALLERGEN AWARENESS TRAINING

Name of Recipient: ANTHONY PASQUALE

Certificate Number: 2844918

Date of Completion: 4/22/2017

Date of Expiration: 4/22/2022



*The above-named person is hereby issued this certificate
for completing an allergen awareness training program
recognized by the Massachusetts Department of Public Health
in accordance with 105 CMR 590.009(G)(3)(a).*

This certificate will be valid for five (5) years from date of completion.

Issued By:



Massachusetts Restaurant Association
333 Thurgate Road, Suite 102
Southborough, MA 01772
508-308-9905
www.massrestaurantassoc.org

NATIONAL
RESTAURANT
ASSOCIATION
800.765.2122
www.restaurant.org

HEALTH DEPARTMENT
TOWN OF TROY

RECEIVED BY

CERTIFICATE OF ALLERGEN AWARENESS TRAINING

Name of Recipient: GINGER LUND

Certificate Number: 3804317

Date of Completion: 3/3/2019

Date of Expiration: 3/3/2024

FEB 24 2019

HEALTH DEPARTMENT



The above-named person is hereby issued this certificate for completing an allergen awareness training program recognized by the Massachusetts Department of Public Health in accordance with 105 CMR 590.009(G)(3)(a).

This certificate will be valid for five (5) years from date of completion.

Issued By:



Massachusetts Restaurant Association
333 Turnpike Road, Suite 102
Southborough, MA 01772
508-303-9905
www.marrestaurantassoc.org

NATIONAL
RESTAURANT
ASSOCIATION
800.765.2122
www.restaurant.org

Number: 2022-111

Fee \$75.00

Town of Truro Board of Health
24 Town Hall Road, Truro, MA 02666
Permit To Operate A Food Establishment

In accordance with Regulations promulgated under authority of Chapter 111, Section 127A of the General Laws a Permit is hereby granted to:

Anthony Pasquale, mgr., d/b/a Terra Luna

Whose place of business is **104 Shore Rd**

Type of business and any restrictions **Restaurant**

To operate a food establishment in **Truro**

Permit Expires: **December 31, 2022**

Date Issued:

April 1, 2022

Seating: 65



Emily Beebe, R.S.

Agent for the Truro Board of Health

Number: 2022-111A

Fee \$50.00

Town of Truro Board of Health
24 Town Hall Road, Truro, MA 02666
Permit To Operate As A Food Caterer

In accordance with provisions of Chapter 111, Section 127A of the Massachusetts General Laws, Regulations established by the Massachusetts Department of Public Health (105 CMR 590.00) and the provisions of Chapter 111, Section 31 of the Massachusetts General Laws, Regulations established by the Truro Board of Health (Section X) a permit is hereby issued to:

Anthony Pasquale, mgr., d/b/a Terra Luna

Whose place of business is: **Terra Luna Restaurant**

Type of business and any restrictions **Food Caterer**

To operate a food establishment in **Truro**

Permit Expires: **December 31, 2022**

Date Issued:

April 12, 2022



Emily Beebe, R.S.

Agent for the Truro Board of Health



TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666

Tel: 508-349-7004, Extension: 10 or 24 Fax: 508-349-5505

TAX STATUS REQUEST FOR LICENSING

Date 2/24/2022

Request is coming from the Selectmen's Office _____ Health Office X

Owner's Name: Anthony Pasquale

Business Name Terra Luna

Residential Address: 104 Shore Rd

Map and Parcel: 35-68

Please verify whether the Real Estate and Personal Property taxes to this property are up to date for the current fiscal year.

Molly Stevens
Tax Collector's Signature

all set

2/24/2022
Date