

Vicky Gannon, Chairman
Paul W. Ciavardini
Jack Mattes
Bruce Prince
Anthony Sutton
Christopher Zaberto

Town of Somers
WESTCHESTER COUNTY, N.Y.



TOWN HOUSE
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SOMERS PLANNING BOARD AGENDA
October 8, 2025
7:30 PM

REMOTE ATTENDANCE NOTICE

Videoconferencing will be used during this meeting in accordance with the Town Board of Somers Videoconferencing Policy. The Planning Board will conduct the meeting at the Somers Town House, located at 335 Route 202, Somers, New York. Board Member, Bruce Prince will participate in the meeting via Zoom from Baskin-Robbins, located at 1217 N. Central Avenue Glendale, CA 91202. The Public has a right to attend the meeting at either location.

MINUTES

Draft Minutes for consideration of approval: September 10, 2025.

TIME EXTENSION REQUEST

- 1. NYS POLICE HEADQUARTER - SOMERS FIRE DISTRICT
295 ROUTE 100 SUBDIVISION – RESOLUTION NO. 2024-05
TM: 17.18-1-1.2**

Request from Somers Fire District Board of Commissioners for a 90-day time-extension from October 30, 2025 up to and including January 27, 2026 for approved Preliminary Plat signature by the Planning Board Chairman to meet the conditions of approval, Resolution No. 2024-05 in accordance with Town Code Section 150-12.M.

PUBLIC HEARING

- 2. 20 LAKEVIEW DRIVE WETLAND AND WATERCOURSE PROTECTION APPLICATION
TM: 16.09-3-46**

The applicant is proposing additions to the existing single-family dwelling. Including a one-story 781 square foot addition at the left side of the dwelling and one-story 964 square-foot addition at the right side

of the dwelling. New York State Department of Environmental Conservation (NYSDEC) and Zoning Board approval has been obtained. The property is located at 20 Lakeview Drive and is in an R-10 Zoning District.

PROJECT REVIEW

- 3. NEW CINGULAR WIRELESS (AT&T) – APPLICATION FOR AMENDED SPECIAL USE PERMIT WIRELESS TELECOMMUNICATIONS FACILITY
250 WEST HILL DRIVE – HERITAGE HILLS
TM: 17.05-20-2**

The Applicant is applying for an Amended Special Use Permit. The project consists of modification to the existing wireless facility comprising of equipment, antennas and associated cables. The project site is located at 250 West Hill Drive (Heritage Hills) and is in a Designed Residential Development (DRD) Zoning District.

- 4. AMERICAN TOWER/T-MOBILE – APPLICATION FOR AMENDED SPECIAL USE PERMIT WIRELESS TELECOMMUNICATIONS FACILITY
2580 ROUTE 35 – SANTARONI
TM: 37.13-2-3**

The Applicant is applying for an Amended Special Use Permit. The project consists of removing and replacing 4 antennas and 4 remote units on the existing tower and to replace equipment cabinets within the existing ground space. The project site is located at 2580 Route 35 and is in an R-80 Zoning District.

DISCUSSION

- 5. PLANNING BOARD DEPUTY CHAIRMAN**
- 6. 2026 PLANNING BOARD CALENDAR**

MEETING ADJOURNMENT

**The next Planning Board Meeting is scheduled for
Wednesday, November 12, 2025 at 7:30pm.
Agenda Subject to Change**

PLANNING BOARD

John Currie, *Chairman*
Paul W. Ciavardini
Vicky Gannon
Jack Mattes
Bruce A. Prince
Anthony Sutton
Christopher Zaberto

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SOMERS PLANNING BOARD MINUTES SEPTEMBER 10, 2025 7:30PM

ROLL

MEMBERS PRESENT: Chairman John Currie, Paul Ciavardini, Vicky Gannon,
Jack Mattes, Anthony Sutton, Christopher Zaberto

MEMBERS ABSENT: Bruce Prince

ALSO PRESENT: David Smith- Consulting Town Planner, Steven Robbins-
Consulting Town Engineer, Michael Towey- Planning Board
Attorney, Nicole Montesano-Planning Board Secretary

MEETING COMMENCEMENT

The meeting commenced at 7:30 p.m.

Chairman John Currie welcomed everyone to the meeting and then requested participants say the Pledge of Allegiance.

Planning Board Secretary, Ms. Nicole Montesano, called the Roll.

MINUTES

Chairman Currie stated that the first item on the agenda were the minutes from the August 13, 2025, Planning Board meeting. He then asked the Board if there were any comments, corrections, or additions. There were none. Chairman Currie made a motion, to accept the minutes as presented. Ms. Vicky Gannon seconded. All in favor. Motion passes.

TIME EXTENSION REQUEST

- 1 **1. MELISSA HARNEY- PRELIMINARY SUBDIVISION APPROVAL AND**
2
3 **STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL**
4 **PERMITS**
5 **10 KEYREL LANE – RESOLUTION NO. 2025-01**
6 **TM: 16.07-1-3**
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9 For the record Chairman Currie stated that the Applicant, Melissa Harney of 10 Keyrel Lane is
10 requesting the 2nd 90-day time-extension from October 6, 2025 up to and including January 3,
11 2026, for Preliminary Subdivision and Stormwater Management and Erosion and Sediment
12 Control Permits, as per Resolution No. 2025-01 in accordance with Town Code Section 150-12.N.

13 Mr. Timothy S. Allen, P.E., from Bibbo Associates Engineering, P.C. came forward and stated
14 that the Applicant, Melissa Harney was there as well. He indicated that they have an application
15 before the Health Department and are anxiously awaiting any comments, and that they will
16 hopefully have a Plat back to this Board as soon as possible. Chairman Currie then asked the Board
17 if they had any comments and/or questions. There were none. He then made a motion to accept
18 the request for the time extension from October 6, 2025, up to and including January 3, 2026. Ms.
19 Vicky Gannon seconded. All in favor. Motion passes.
20

- 21 **2. GRANITE POINTE RE-GRANT OF FINAL SUBDIVISION APPROVAL, STEEP**
22 **SLOPES, TREE PRESERVATION, STORMWATER MANAGEMENT AND EROSION**
23 **AND SEDIMENT CONTROL PERMITS**
24 **TM: 27.05-3-2&5**
25

26 For the record Chairman Currie stated that the Board had received some correspondence on this
27 matter. The request is for the 33rd 90-day time extension for Granite Pointe Subdivision, Re-Grant
28 of Final Subdivision Approval, Wetland, Steep Slopes, Tree Preservation and Stormwater
29 Management and Erosion and Sediment Control Permits, as per Resolution 2017-10, from October
30 7, 2025 up to and including January 4, 2026 as per Town Law Section 276 (7) (c) and Town Code
31 Section 150-13M. The property is located on the east side of Route 118/202, adjacent to the
32 Amawalk Reservoir and is located in an R-40 Zoning District for the development of 23 lots in a
33 Cluster Subdivision.
34

35 Mr. Timothy S. Allen, P.E., from Bibbo Associates Engineering, P.C. came to the podium and
36 addressed Chairman Currie and stated on behalf of his firm and himself he wished him all the best,
37 and that it has been an honor and pleasure to be before him all these years, and they will miss him.
38 Chairman Currie responded thank you and that he is surrounded by great people here.
39

40 Mr. Allen then stated that ironically, one of your first meetings on the Board some years ago was
41 probably Granite Pointe and here we are meeting up with it. He continued and indicated that as
42 documented in his letter they have still been basically silenced by the New York State Department
43 of Environmental Conservation (DEC). In addition, Mr. Allen noted that he also had a letter from

1 their attorneys which he would submit after he was done speaking. They have called, written
2 letters, sent certified letters and have had no response back from the DEC on what they are going
3 to do with this property. He stated they are just trying to gain access as he discussed at previous
4 meetings to try and get some testing done and wrap up the approvals. Short of - our only recourse
5 is legal action, which we were advised not to take from the DEC, so we are waiting, unfortunately.
6 Mr. Bibbo added that he did have a letter from their project attorneys, basically outlining what he
7 just said - calls, letters, emails, and no response. He said he thinks they last spoke to them back in
8 March of this year and then silence since then. Mr. Allen stated that is where they are at now, but
9 as soon as they get the go ahead, they will be out there. Mr. Christopher Zaberto asked if they
10 knew why the DEC is not granting access if you are claiming that the site has been cleaned and
11 the cleanup work has been completed. Mr. Allen responded that it is their understanding that during
12 the one-year guarantee that the erosion and grass would take on the property, but that is not
13 confirmed, having said that, the one year would have been up probably in August or maybe back
14 in June. But again, we are anxiously awaiting to get back on there. The property is fenced off, and
15 we cannot get in. Mr. Zaberto asked if it was DEC fencing. Mr. Allen responded yes, it is DEC
16 fencing, and it is locked. Mr. Zaberto then inquired if there is a due process at this point- anything
17 that the Applicant can do or do they just have to wait. Planning Board Attorney, Mr. Michael
18 Towey responded that he spoke with Mr. Allen Wong back when this first started coming back up
19 in March, and he confirmed to him that the warranty period was for a year and was expected to
20 expire in June of 2025. He indicated that he had not spoken to him since, so he could not state why
21 he is not responding. He stated that he could not advise the Applicant on whether they can take
22 legal actions against the DEC. Mr. Towey continued and stated that whether it reasonable for the
23 Planning Board to extend for an additional 90 days - that is up to the Planning Board. You have
24 the discretion to make the extension. His opinion is, they cannot access the property they are
25 waiting on the DEC to give them the final thumbs up that the plantings have taken so they can
26 proceed. Again, the plantings are to ensure that erosion does not occur and then go into the
27 Amawalk Reservoir. So, until the DEC grants them access, as far as he understands it, they cannot
28 proceed. Mr. Anthony Sutton stated that it would seem that they are ready to demonstrate their
29 willingness to get in there as soon as possible- it is not on them; really the fingers pointed to the
30 DEC. Mr. Towey responded that it is his understanding that the DEC installed the fencing for the
31 purposes of the remediation. Again, this was lead remediation. So, they want to prevent access to
32 the site, to prevent that contamination from spreading to people's homes and outside of the site
33 itself. So, if they cannot access it, they cannot access it. He indicated that he had no other
34 information on that as he has not had any contact with the DEC himself. Mr. Zaberto then asked
35 Consulting Town Planner, David Smith if to the best of his knowledge has there been any
36 correspondence from the DEC giving any insight into this. Mr. Smith responded not to his
37 knowledge; there has been nothing from the DEC to the Town. Mr. Zaberto made a motion to grant
38 the 90-day extension. He stated that we do not have all the information from DEC, everything is
39 in place, and they have done what they can do to remediate the issue. Ms. Vicky Gannon seconded.
40 All in favor. Motion passes. Chairman Currie thanked Mr. Allen. Ms. Vicky Gannon asked Mr.
41 Allen for a copy of the letter he mentioned earlier, so the Board could review it.
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PROJECT REVIEW**3. 20 LAKEVIEW DRIVE WETLAND AND WATERCOURSE PROTECTION
APPLICATION
TM: 16.09-3-46**

For the record Chairman Currie stated that the Applicant is proposing additions to the existing single-family dwelling. Including a one-story 781 square-foot addition at the left side of the dwelling and a one-story 964 square-foot addition at the right side of the dwelling. New York State Department of Environmental Conservation (NYSDEC) and Zoning Board approvals have been obtained. The property is located at 20 Lakeview Drive and is in an R-10 Zoning District.

The Applicants, Mr. and Mrs. Jason and Samantha Long from 20 Lakeview Drive came to the podium. Mrs. Long stated that they proposed everything a couple of weeks ago and sent everything over and have their NYSDEC wetlands approval and they were trying to keep everything moving and see what their next steps need to be and to confirm if it had been reviewed and whether there was anything else that they needed to do. Chairman Currie asked staff if they had any comments. Consulting Town Engineer, Mr. Steve Robbins stated that he reviewed this application and that it was before the Planning Board as a single-family residential application, only because it is a Wetlands Permit. Almost the entirety, if not the entirety of this parcel, is within the wetland buffer, and so these modifications to the structure increase the disturbance in the wetland buffer. The Town Code allows for that disturbance if there is mitigation. The Applicant has proposed installation of a rain garden for mitigation to that disturbance in the wetland buffer. This is similar to some past applications that this Board has seen. We have requested some additional information and backup on that rain garden sizing from the Applicant. Mr. Robbins indicated that he had a phone call Tuesday with the Applicant and their engineer to review the information that we are looking for. He indicated that he had a good degree of confidence, based on that conversation, that the engineer understands the additional backup calculations that we are looking for. This is not a large project, and it is not a large amount of disturbance. Mr. Robbins added that they did talk through some options for them around the rain garden and how they might split that up to make sure that they continue to have some beneficial use of their yard as a result of that. But we do need those calculations and that backup information to make sure that it is sized appropriately. He shared that the rain garden slows the flow of water coming off the roof and other impervious areas before it gets into the wetland itself, helping to promote infiltration of that runoff into the ground before getting into those wetlands and mitigating the impacts of that additional impervious area in the wetlands. So that would be mitigation for the new structure, as well as for the roof leaders from the existing structure, which is something that the Board has considered on past projects. So, with that, barring any input or discussion from the Board, Mr. Robbins thought that the two things for the Board to consider were whether they would like to have a Site Walk, and whether it is appropriate to schedule a Public Hearing for the October meeting. He stated that the Applicant's engineer has committed to providing the additional information that we have requested in a timely manner, and he was advised that the Board and the public should have that two weeks prior to the Public Hearing, so everyone has a chance to review that. If this was a more complex application, then it would be helpful to have that information in advance. He concluded and stated that based

1 on his discussion with the Applicant's engineer, he had a good degree of confidence that what they
2 are proposing on the plan is the way it is going to look. They just need to provide him with the
3 numbers to back that up.
4

5 Chairman Currie then asked Mr. Robbins if he thought this requires a Site Walk and how the Board
6 felt. Mr. Robbins responded that he would say that in the Applicant's submitted information, there
7 is a report in there that has some photos of the property- including the wetlands and the structure,
8 and that he thought that those were pretty illustrative of the site conditions and he did not think
9 that there were any site conditions or environmental constraints that necessarily warrant a Site
10 Walk unless the Board wishes to do so. Chairman Currie then asked the Board if they had any
11 questions and/or comments. Ms. Vicky Gannon asked about a square on the plan which was
12 marked garden and if it was a vegetable garden. Mr. Long responded yes, it used to be but is no
13 longer there. It is just rail road ties that are still on the ground that they will be removing upon
14 construction. Mr. Anthony Sutton then asked if the driveway is going to be the same size. Mr.
15 Long responded yes. Mr. Sutton then asked if the driveway is going to be on the front side of that
16 addition. Mr. Long responded yes and that the front view that you are seeing on the plans is exactly
17 how it is going to look. That is how it looks right now with the existing dwelling, and then we are
18 just adding on to that driveway. Ms. Gannon then suggested that the plan be put up on the bulletin
19 board so people at home could see it. Mr. Robbins added that it would also be helpful to the Board
20 if Mr. Long could point out different features on the plan. Mr. Long pointed out the stream and
21 indicated it pretty much runs during rainy season or when there are heavy rains. He explained that
22 the stream catches most of the runoff from Route 118 down to the back of the property. He then
23 pointed out the existing dwelling and the driveway which he stated is going to stay the same – they
24 are not changing, widening, or expanding, any of that. They are just building the house towards
25 the driveway. Mr. Long then showed where the proposed side addition is going to be and noted it
26 is actually on what is now a stone paver patio but is going to be coming out. He added that most
27 of it is going to be getting filled in with grass or backfill and a small addition on top of it due to
28 the constraints with the septic system. He then pointed out the proposed rain garden. Chairman
29 Currie stated that obviously the rain garden is going to be calculated to take the additional and
30 existing roof surface. Mr. Robbins responded yes, that is correct. Mr. Robbins indicated that there
31 are a few details that the engineer just has to provide for review.
32

33 Chairman Currie then asked the Board if they had any other questions and/or comments. Mr.
34 Sutton stated the question is do we need to do a Site Walk. Mr. Long stated that as Mr. Robbins
35 was saying there are pictures of the entire property in the packet that he submitted. It has everything
36 that you should need to see on the property without actually walking it. Various Board Members
37 stated they were fine with waiving the Site Walk. Chairman Currie then made a motion to waive
38 the Site Walk based on the data that the Applicant provided. Mr. Christopher Zaberto seconded.
39 All in favor. Motion passes. Chairman Currie then made a motion to schedule a Public Hearing for
40 the next meeting based on receiving the additional engineering comments from the Applicant's
41 engineer and Woodard and Curran's review. Mr. Jack Mattes seconded. All in favor. Motion
42 passes.
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3 **4. T-MOBILE NORTHEAST LLC ("T-MOBILE")- APPLICATION FOR AMENDED**
4 **SPECIAL USE PERMIT WIRELESS TELECOMMUNICATIONS FACILITY**
5 **87 ROUTE 202 – LINCOLN HALL**
6 **TM: 16.15-1-1.1**
7

8 For the record Chairman Currie stated that the Applicant is applying for an Amended Special Use
9 Permit. The project consists of replacing and collocating antennas, together with the installation
10 of ancillary equipment at the existing facility without creating a substantial change. The project
11 site is located at 87 Route 202 (Lincoln Hall) and is in an R-120 Zoning District.
12

13 Mr. David Kenny, Attorney with Snyder & Snyder, LLP came forward and introduced himself and
14 indicated he is a new resident of Somers. He stated that the application is just a replacement of
15 antennas and there are nine antennas currently on the tower. T-Mobile is the middle carrier. There
16 are two carriers above them and two carriers below. The nine antennas will be replaced with nine
17 new antennas. All of the equipment is being removed and reinstalled because they are lowering
18 the center line height of the mounts by five feet. They are a little bit too close to the tenants that
19 were just above them. So, for Radio Frequency (RF) interference purposes, T-Mobile is lowering
20 the height of the antennas just by five feet to clear up any interference issues with the carrier that
21 is directly above. Mr. Kenny added that all of the equipment is being replaced with new equipment
22 for the new network design, but it's still going to have the same footprint, five feet lower, but still,
23 the mounts are going to be the same extension, same distance from the face of the monopole, same
24 number of antennas, same amount of equipment. There will not be any substantial change. He
25 stated that they were here tonight to hear from the Board if there were any questions about the
26 application. He also added that he heard from Staff and there was one minor comment regarding
27 the structural analysis report that they would get a response together for the next submission.
28 Chairman Currie asked staff if they had any comments. Consulting Town Planner, Mr. David
29 Smith had none. Consulting Town Engineer, Mr. Steve Robbins indicated Mr. Kenny summarized
30 their one comment. There was a discussion in the structural report saying that an inspection was
31 to be performed on August 28, 2025, or thereabouts. Mr. Kenny responded that he thought Mr.
32 Robbins was referring to the Crown Castle submission and not this one. He said, he thought the
33 only comment on this one was that the structural report did not explicitly say whether there was
34 an in-person inspection or a visual inspection for this one and indicated that they would see if they
35 can have the structural report updated and clarify that there was a visual inspection performed in
36 accordance with the structural analysis report. Mr. Christopher Zaberto stated that sounded
37 reasonable to him. Mr. Anthony Sutton stated that the site is listed as 87 Route 202, but the site
38 name is New York White Hall Corners and asked if it was being confused with the tower at the
39 Amato Farm. Mr. Kenny responded that he was not sure exactly why Crown Castle gave it that
40 site name and he is representing T-Mobile on this Application and all their site names are based
41 on numbers, but this is absolutely the facility at Lincoln Hall- this is not the Amato Farm. Mr.
42 Sutton then said the other question he had was regarding the structural analysis and whether it was
43 done in anticipation of these changes being made as he noticed that Mr. Kenny was talking about
44 widening the supports for the antennas and moving them further away from the center point of the

1 tower. Mr. Kenny responded no we are absolutely not doing that. He clarified that what he was
2 saying earlier was that they are lowering the mounts for the antennas. There are going five feet
3 down vertically, so there is no change to the horizontal distance. The mounts are going to be
4 replaced with new mounts, but they should essentially be the same distance from the face of the
5 monopole as the existing mounts. The actual way of working through it is, since Crown Castle
6 owns the tower, T-Mobile will submit an application saying that it has a request for upgrading its
7 equipment and then what Crown Castle does as part of reviewing that is prepare the structural
8 analysis report in anticipation of this equipment. That is the first step before we even get to submit
9 an Application to this Board. Crown Castle who is the tower owner does do a structural analysis
10 to confirm that the tower structure can support the new equipment. So yes, the structural analysis
11 report was prepared specifically for T-Mobile's application. Mr. Sutton asked if that was back in
12 December and inquired about some language which almost looked like boiler plate - kind of
13 maximums, like no more than four more cabinets, no more than 12 feet. Mr. Robbins responded
14 that he thought in some of that language, the Applicant is citing is the Federal Regulations for
15 substantial changes and are not specific to the changes that are being proposed. Mr. Kenny stated
16 correct and added that in the cover letter with this Application, they did explain for the Board, as
17 they do with all their eligible facilities applications the Federal Law. So, as soon as it is determined
18 that it is an eligible facilities request and will not create a substantial change, then the Town is
19 required by Federal Law to approve the application. He added that what he thought Mr. Sutton
20 was referring to is there are six objective criteria that determines what is a substantial change. The
21 first one is related to height. So, we cannot increase the height of the tower by more than 20 feet.
22 Here we are the middle carrier, so we are not increasing the height of the tower at all. The second
23 is, you cannot protrude from the end of the face of the tower by more than 20 feet. So here we are
24 not increasing the protrusion or adding an appurtenance that would extend more than 20 feet from
25 the face of the tower. Third, is where he thought Mr. Sutton was talking about equipment cabinets.
26 He continued and stated that any one application for an eligible facilities request can only propose
27 up to four equipment cabinets. So, that is not a total number of cabinets at the site. This means if
28 there are five existing and three proposed, that is eight total. That is still fine because this current
29 application would only propose three. This particular application is just replacing two. Mr. Sutton
30 then asked Mr. Kenny if the antennas that he spoke of earlier would be panels or sticks. Mr. Kenny
31 responded panel antennas. Mr. Sutton responded, so basically same surface area on the
32 replacement panels as the ones you are pulling off. Mr. Kenny responded essentially the same. Mr.
33 Sutton responded okay.

34
35 Chairman Currie asked the Board if we should waive the Site Walk and Public Hearing with two
36 separate motions. They agreed. Chairman Currie then motioned to waive the Site Walk. Mr.
37 Zaberto seconded. All in favor. Motion passes.

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39 Chairman Currie then made a motion to waive the Public Hearing. Mr. Zaberto seconded. All in
40 favor. Motion passes.

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42 Chairman Currie then made a motion to direct staff to prepare a resolution for Chairman's
43 signature, with Mr. Robbins' one comment. Ms. Vicky Gannon seconded. All in favor. Motion
44 passes.

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2 **5. CROWN CASTLE MAJESTECH TOWER LLC (AT&T)– APPLICATION FOR**
3 **SPECIAL USE PERMIT RENEWAL FOR EXISTING WIRELESS**
4 **TELECOMMUNICATIONS FACILITY**
5 **243-247 ROUTE 100**
6 **TM: 28.10-1-6.10**
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8 For the record Chairman Currie stated that the Applicant is applying for a Special Use Permit
9 Renewal. The project site is 243-247 Route 100 and is an OLI (Office and Light Industry) Zoning
10 District.
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12 For the record, Mr. David Kenny Attorney with Snyder & Snyder, LLP came to the podium and
13 stated that this is an application just to continue what is in existence. These facilities are approved
14 by Special Permit and they come with them a five-year term. So, this application is just to renew
15 that five-year term. Mr. Kenny advised that they did receive some comments from Consulting
16 Town Engineer, Mr. Steve Robbins and that they are going to work to get a response on those and
17 added that he was there tonight to answer any questions the Board may have. Mr. Jack Mattes
18 asked if this one is the Amato Farm. Mr. Kenny responded no, this is 243 Route 100; which he
19 believes is a flagpole that just has AT&T on it. The Board discussed where it was located and that
20 it was close to where they were the previous night. Ms. Vicky Gannon stated Majestech. Chairman
21 Currie confirmed, the old Majestech. Ms. Gannon then stated that the interesting thing about that
22 tower, it was put up before she joined the Board, and she remembers seeing in some minutes a
23 description of its color - being Enviro Green. Then on a Site Walk for another tower, she saw the
24 Sherwin Williams paint selection that showed what Enviro Green was and it was very "olivey"
25 while the pole was sort of Kelly Green - like St. Patrick's Day green. She stated it worked just fine
26 and she had no complaints about it and then inquired if there is ever a point where the towers are
27 repainted and if that is part of the maintenance that goes on with them. Mr. Robbins responded
28 that he would expect, as with any steel structure that it periodically does need to be recoated. That
29 has not been proposed by this Applicant, but he thinks it is a valid question to ask of the Applicant.
30 Mr. Robbins continued and stated that he did not think that the engineer who performed that
31 evaluation saw any corrosion that indicated any structural issues. But he thinks it is within the
32 Board's purview to consider the esthetic issues of the tower and if it is being maintained
33 appropriately. Ms. Gannon inquired if there ever comes a point in time where it needs to be
34 repainted, would they go back to that original approval for the paint swatch, and then what if that
35 color does not exist anymore on the palette – what would happen. Mr. Kenny responded that the
36 towers are approved with the stealth design and part of that stealth design is the color, so they
37 would be required to maintain that color. Mr. Kenny asked if there were any complaints with the
38 existing color or is just a curiosity about ongoing. Ms. Gannon stated she had no complaint with
39 it and it was just a thing that she noticed years ago while at another site. They had the paint
40 swatches out and she saw that what was there did not in any way match what she had seen on the
41 pole. Mr. Kenny responded that he is not sure how the color got chosen and that sometimes the
42 colors are chosen at a Planning Board level and then left up to the discretion of a Building Inspector
43 or someone else when it is actually painted. Mr. Kenny added that they probably would not go
44 back to the original approval. Now, the contractor would go up with a color matcher, and they

1 would try to take a sample of the paint, or they would try to come up with a few different swatches
2 and closely match to the existing color. Ms. Gannon replied thank you. Chairman Currie stated
3 that it sounded like Ms. Gannon's concern was answered. Mr. Kenny stated they will try to match
4 what is existing and what the community has gotten accustomed to. Chairman Currie asked Mr.
5 Robbins if there was anything else. Mr. Robbins stated that he thinks there is a question for the
6 Board to provide some feedback to the Applicant on one of our comments. This comes up for a
7 couple of the applications, one of the Town Code requirements for a Special Permit Renewal –
8 which comes up every five years, is a statement of equipment at the site or summarizing the
9 equipment at the site. Mr. Robbins indicated that he and Mr. Kenny had a quick conversation about
10 this and Mr. Kenny pointed out that the major radio equipment and the antennas are listed in the
11 RF report- which is true. Mr. Robbins question to the Board was, in implementing that provision
12 of the Town Code, would it be helpful to the Board to have a stated summary of the equipment at
13 the site. There's been a lot of changes to these collocations, not for this particular site, but in
14 general, or changes to the number of cabinets that are on the ground and elsewhere. Is a kind of
15 text summary statement as opposed to something in a report, something that would be valuable to
16 the Board, or is the fact that it is part of the application and embedded in one of the submitted
17 materials in that report sufficient for your review. Mr. Robbins stated their second comment was
18 that collocation requests are summarized in the attestation later that's in there- that has been
19 provided and probably does not need any further discussion. They did have a question on the
20 structural report around the findings of the upcoming inspection. In addition, with each of these
21 applications, there is a performance bond for abandonment of the site. This particular one dates
22 back to 2019 and we have a question about whether that is, in fact, still in place. The Applicant
23 represents that it is. But the question that we have for the Applicant is whether the amount of the
24 bond is sufficient to provide for the removal, and we have asked for them to justify that amount.
25 Mr. Robbins concluded and stated that those were a summary of their comments. Mr. Kenny
26 responded regarding the statement of equipment for future applications, he does not mind for T-
27 Mobile Applications, getting a complete list of what T- Mobile has at the site. It is a little bit harder
28 trying to put together a list of another carriers' equipment at the site. Mr. Kenny noted the
29 antennas- those are easy, they can spot those. He noted that equipment that is located inside a
30 locked equipment cabinet, or something that is located at ground level that is not properly labeled
31 might be a little bit harder for a one carrier to confirm what another carrier has at a site, but if it's
32 limited to the current Applicant's equipment at site, he could absolutely do that. Mr. Kenny stated
33 that regarding the radio frequency emissions reports, we do make sure we include the antennas for
34 the other carriers in those as part of the cumulative emissions. So, he can try to transcribe from
35 those and provide the antennas for the other carriers. He indicated that he just does not want to get
36 as specific for every single piece of equipment for another carrier, because they may miss
37 something. They may confuse something as a Verizon piece of equipment that actually belongs to
38 AT&T. It would be great if everything was properly labeled up there. But sometimes when you
39 get on site, certain things at ground level are not properly labeled. Mr. Kenny concluded that
40 would be his only hesitation with that one request. The other requests are fine, the structural
41 analysis report that was done on August 28, 2025, that should have been done so we can try to get
42 that to the Town. In terms of the performance bond issue, Mr. Kenny did think a reasonable period
43 of time has passed and that they could provide a cost letter from an engineer that confirms what
44 the cost would be to remove the equipment. Mr. Sutton asked if there's backup generation on the

1 site and if so, what the fuel is. He also inquired about the storage amounts on site as well as site
2 security and fencing. He indicated that he has been to a lot of sites in the Town lately, and they
3 run the gamut in terms of access restrictions. Mr. Robbins stated in terms of the summary of
4 equipment for other carriers and the intent of the Town Code, it seemed to him that the information
5 that the Planning Board might want to consider would be the number of cabinets, the number of
6 structures, not necessarily the detailed contents. Chairman Currie stated that should be easy to
7 supply. Mr. Sutton added there should be some relation to the number of sticks or panels up on
8 top and how many cabinets there are. Mr. Robbins replied the Planning Board should be
9 considering whether there has been adequate removal of old equipment and the like; and it is a fair
10 point about backup generation, whether there are existing permanent facilities or connections for
11 portable. Mr. Kenny responded that he does not mind providing that information and his only
12 hesitation before was not the equipment, but whether he assigned it to Verizon or AT&T. He then
13 stated that his only request, based on that last comment, would be if for instance an application for
14 a T-Mobile Special Permit Renewal came in, and you find out that there's an abandoned piece of
15 AT&T equipment at a facility, he would just request that just because it was learned through a T-
16 Mobile Application, not hold up a T-Mobile Application, since it's not T-Mobile's fault - that
17 would be his only comment. Mr. Sutton then asked, how do you address the decommissioning
18 fund Mr. Robbins responded that each of those carriers has a Special Use Permit on a renewal
19 period and he thinks it is appropriate, as long as that's the case, for the Board to consider the details
20 of the equipment before them, and the rest of it is really to understand the context of the site. Mr.
21 Christopher Zaberto asked if this would be for all Special Use Renewal Permits, or site plan
22 adjustments or anytime a cell application comes in front of us. Mr. Robbins replied, the discussion
23 we're having here is specific to Town Code requirements for Special Use Permit Renewals, which
24 are the five years. The Planning Board has reviewed, just like the prior application, modifications
25 to the Special Use Permit to account for changes in equipment. Mr. Zaberto asked if at times,
26 those Applicants are the individual carriers, not necessarily Crown Castle, who owns the tower
27 itself, but not necessarily the equipment that the carriers are using-correct. Mr. Robbins responded
28 that the thought in all cases, they are by the carrier- right. Mr. Kenny responded except this
29 particular application right now is Crown Castle renewing the Special Permit for the tower, AT&T
30 is the carrier at this tower. He indicated that it depends on when they were approved. Some of the
31 approvals were from the Zoning Board of Appeals before this Board had Special Use Permit
32 approval. And then sometimes they were giving specific Special Permits for the structure itself,
33 even if they weren't a wireless carrier. Mr. Kenny added that with modifications, it's a lot easier,
34 because those have plans, and with the plans, it will detail exactly the other carrier. It is with these
35 renewals, where we do not have plans.

36
37 Chairman Currie asked the Board if they feel comfortable waiving the Site Walk and the Public
38 Hearing. Planning Board Attorney, Mr. Michael Towey stated he had just one comment. He
39 indicated that he and Mr. Kenny had an email exchange earlier regarding the removal bonds and
40 having to bring them up to date. So, if that's a certificate, if that's a rider, then they attach it to
41 something that's reasonably dated to show that will be in place for the remainder of the 5-year
42 period. Mr. Kenny responded, absolutely and that his expectation, because of the time between
43 2019 and now, you are likely going to get a cost letter that probably increases the bond amount. It
44 may not, but if you do then we will probably be getting you new bonds, and then everything goes

1 that way. Mr. Towey responded that is fine. It needs to be within a certain period, because when
2 we go into the next applications, they are a little bit more backdated and we just want to make
3 sure that bond still exists. Mr. Kenny responded absolutely we can confirm that. Mr. Towey
4 responded thank you.

5
6 Chairman Currie made a motion and to waive the Site Walk. Mr. Christopher Zaberto seconded.
7 All in favor. Motion passes. Chairman Currie then made a motion to waive the Public Hearing.
8 Mr. Zaberto seconded. All in favor. Motion passes. Chairman Currie then made a motion to direct
9 staff to prepare for Chairman signature a draft resolution with the conditions that were laid out by
10 Mr. Robbins and Mr. Towey – the bond issue needs to be straightened out. Mr. Towey stated as
11 Mr. Kenny said, if the bond amount increases, they will issue a certificate for it, so that will cover
12 it. If it remains the same, they could just either issue a certificate or a rider. Ms. Gannon seconded.
13 All in favor. Motion passes.

14
15 **6. T-MOBILE NORTHEAST LLC (“T-MOBILE”)– APPLICATION FOR SPECIAL USE**
16 **PERMIT RENEWAL FOR EXISTING WIRELESS TELECOMMUNICATIONS**
17 **FACILITY**
18 **325 ROUTE 100 – SOMERS TOWNE CENTRE**
19 **TM: 17.15-1-13**

20 For the record Chairman Currie stated that the Applicant is applying for a Special Use Permit
21 Renewal. The project site is 325 Route 100 and is in a NS (Neighborhood Shopping) Zoning
22 District.

23
24 Mr. David Kenny Attorney for Snyder & Snyder, LLC came to the podium and stated that this
25 application is very much like the application that was just before you for Crown Castle – it is just
26 a Special Permit Renewal. There are no changes being proposed to the facility. We are just looking
27 to continue what is in existence. Chairman Currie asked staff for comments. Consulting Town
28 Engineer, Mr. Steve Robbins responded that their one different comment on this was just
29 confirmation that the engineer performing the structural analysis has their certificate of
30 authorization to do work in New York. Chairman Currie then asked if the Board members had any
31 questions and/or comments.

32
33 Mr. Christopher Zaberto asked in this case, unlike the previous, if T-Mobile Northeast, LLC is the
34 owner of the tower as opposed to Crown Castle. Mr. Kenny noted that T-Mobile is the only one
35 that is on this tower and confirmed that T-Mobile owns the tower.

36
37 Chairman Currie made a motion to waive the Site Walk. Mr. Anthony Sutton seconded. All in
38 favor. Motion passes. Chairman Currie then made a motion to waive the Public Hearing. Mr.
39 Sutton seconded. All in favor. Motion passes. Chairman Currie then made a motion to direct staff
40 to prepare a draft resolution for Chairman's signature with clarification regarding the engineer
41 performing the structural analysis. Planning Board Attorney, Mr. Michael Towey advised the
42 Chairman that he had the same comment as agenda item 5 – updated bond information needs to be
43 provided as well. Mr. Zaberto seconded. All in favor. Motion passes.

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2
3
4 **7. T-MOBILE NORTHEAST LLC ("T-MOBILE")- APPLICATION FOR SPECIAL USE**
5 **PERMIT RENEWAL FOR EXISTING WIRELESS TELECOMMUNICATIONS**
6 **FACILITY**
7 **80 ROUTE 6 – SOMERS COMMONS**
8 **TM: 4.20-1-11**

9 For the record Chairman Currie stated that the Applicant is applying for a Special Use Permit
10 Renewal. The project site is 80 Route 6 and is in a CS (Community Shopping) Zoning District.
11

12 Mr. David Kenny Attorney for Snyder & Snyder, LLC came to the podium and stated just for
13 clarification, this is one where Crown Castle does own the tower. T-Mobile is an Applicant on the
14 tower, but AT&T and Verizon are also collocated at this tower. This particular application is only
15 for T-Mobile who is looking at renewing a T-Mobile Special Use Permit. Mr. Christopher Zaberto
16 asked if that was for the equipment on the tower and not the tower itself. Mr. Kenny responded,
17 correct, the equipment on the tower and the equipment at the base. Chairman Currie stated that he
18 did not want to put words in Staff's mouth, but he thought that we are working on making this
19 more of an administrative process. Consulting Town Planner, Mr. David Smith responded and
20 stated we are working on making more of an administrative process for when an Applicant comes
21 in and they are just swapping out equipment. In these cases, an Applicant would just go to the
22 Building Department. There would be oversight through engineering to review the Radio
23 Frequency (RF) and the structural integrity of the tower and the equipment – but that is in process.
24 Mr. Smith stated that he thinks we recognize that with these types of applications the technology
25 has been around for a number of years now and that there is a comfort level with an Applicant
26 coming in and wanting to just to swap out equipment. He continued and stated that he does not
27 think it is necessary at this point for the Planning Board to continually review these types of
28 applications, particularly when we are reviewing them, we have no comments, we do not schedule
29 a Site Walk and we do not need to have a Public Hearing. So, it really points to where, the Town
30 should think about making it an administrative effort and we are working on that – it is on the list.
31 Mr. Kenny responded that they are in support of those efforts and knows a lot of communities in
32 Westchester and the surrounding areas also chose to do that. Chairman Currie asked Consulting
33 Town Engineer, Mr. Steve Robbins is he had any comments on this one. Mr. Robbins responded
34 that his comments on this application are the same as the last - to provide the summary statement
35 of users in a way that's more accessible to the Board, Certificate of Authorization for the structural
36 engineer and an update on the abandonment bond to either renew, as council suggested, or to
37 update if additional costs are needed. Chairman Currie then asked if there were any other Board
38 comments and/or questions. Mr. Anthony Sutton said he wondered that if we are going to turn it
39 into a routine process, if it would it be a good idea to mandate certain visual inspection periods;
40 whether it is at every renewal there has to be a visual going along with the structural and also that
41 whenever anybody's installing new equipment it is not a heavy lift to put an identifying sticker on
42 the front of the cabinet for the purpose of being able to identify whose equipment is in what cabinet
43 on the property. Mr. Sutton added that he would think if you are going to produce a punch list that

1 is to be reviewed upon renewal for applications that stuff like this would be in our best interest.
2 Mr. Kenny responded, to be clear, what he heard earlier was that it was modification applications
3 where antennas will be swapped out – that would be an administrative review and believed items
4 such as this Special Permit Renewal as well as the last 3 that were presented would still come to
5 this Board, because this Board still has to approve the Renewed Special Permit. That being said,
6 Mr. Kenny indicated that the Board would still have to review applications like the last three that
7 were just presented. Mr. Sutton stated even so, a punch list like that and a bit more control over
8 the site itself in terms of whose cabinets are whose would be helpful. Planning Board Attorney,
9 Mr. Michael Towey stated that there is already a mandatory on the first of February every odd year
10 that the Applicant or the owner is supposed to deliver a visual inspection certificate to the Building
11 Department. So, a lot of stuff is already incorporated into the present provision for the Special
12 Exception Use Permits, either renewals or the initial application. Mr. Kenny said just to clarify
13 your point earlier about the stickers on the cabinets- they are supposed to be there. Mr. Kenny
14 stated that most often you can see a fading sticker or sticker that is scraped off – this happens
15 sometimes in the course of operations and/or weather. Mr. Sutton responded that he was at three
16 different sites on Tuesday morning, and that there were no stickers on any of the cabinets that he
17 saw. Mr. Kenny told Mr. Sutton to let him know the sites. Mr. Sutton responded that the ones that
18 had shelters, the shelters were clearly marked because he thought they were very much concerned
19 that someone would tear the door down if they did not know who to call to get access.
20

21 Chairman Currie made a motion to waive the Site Walk. Mr. Sutton seconded. All in favor. Motion
22 passes. Chairman Currie then made a motion to waive the Public Hearing. Mr. Sutton seconded.
23 All in favor. Motion passes. Chairman Currie then made a motion to direct staff to prepare a draft
24 resolution for Chairman's signature with the two provisions previously discussed. Mr. Sutton
25 seconded. All in favor. Motion passes.
26

27 **PROJECT REVIEW**

28 29 **8. REFERRAL BY THE SOMERS TOWN BOARD FOR INTENT TO BE LEAD AGENCY** 30 **FOR A ZONING TEXT AMENDMENT REGARDING SOLAR ENERGY** 31 **LEGISLATION**

32
33 The Town Board has initiated the Zoning Text Amendment process to make the installation of
34 Tier 1 Solar Energy systems through the issuance of a building permit and the installation of a Tier
35 3 Solar Energy System by first applying for a floating zone designation then applying for a Special
36 Permit and Site Plan approval. Tier 3 systems would be limited to the Town's R-120 zoning
37 district, must be associated with a school or other institute of higher learning and be no more than
38 12 acres in size.
39

40 The Town Board declared their intent to establish itself as Lead Agency with regard to this
41 Proposed Action under the procedures and requirements of the State Environmental Quality
42 Review Act (SEQRA) and Chapter 92 of the Somers Town Code. Chairman Currie stated that he
43 would ask that Consulting Town Planner, Mr. David Smith present this to the Board. By way of

1 background, Mr. Smith indicated that the Town currently does not have any provisions for the
2 regulating of solar arrays. These are the tier three type configurations. There is currently a process
3 by the Building Department to review and approve the tier one, which are the smaller arrays that
4 go on the roof of a residential home. But this ordinance, the language here, would allow for the
5 larger tier three as well as the tier one, which as previously noted would be handled by applying
6 to the Building Department for a permit. The tier three is the larger solar arrays. The proposal
7 here is that those types of facilities would be permitted after an Applicant meets specific criteria
8 for locating. One is that the property must be in the R-120 Zoning District, and the second is that
9 the property must be associated with a school or institute of higher learning. Part of the genesis of
10 this, he thinks was the Putnam Westchester BOCES has a facility and part of it is in Yorktown and
11 part it is in the Town of Somers. For the portion located in the Town of Somers, they are proposing
12 to install a tier three solar energy system – the kind with ground mounted panels. Because this is
13 a school, he thinks the Town, through their discussions with BOCES, recognizes that there is a
14 benefit to BOCES and to the education systems that benefits the residents of the Town of Somers,
15 as well as the other residents that BOCES serves. This is why they are specifically limiting it to
16 these particular criteria. In addition, the land area associated with the proposed solar array is
17 limited to no more than 12 acres, so it limits the overall size of the proposed solar array.
18 Procedurally, once the legislation is in place, an Applicant would come before the Town Board,
19 and ask to have a portion of their school property designated with an Overlay Zone that lands on
20 the specific area. That is a discretionary action by the Town Board. If the Town Board so chooses
21 and applies the Overlay Zone, then the Applicant would come before your Board for a Special
22 Permit and a Site Plan review. There is specific criteria in here for the solar energy systems, that
23 includes, all the utility lines need to be underground, vehicular paths need to be provided to allow
24 for emergency access, requirements for signage, glare, lighting, tree cutting and decommissioning.
25 So, there are specific regulations and requirements and standards for these types of facilities. He
26 added, the legislation was based on the New York State Model Ordinance, along with a few tweaks
27 based on what other surrounding communities have adopted as part of their solar energy programs.
28 The sites are limited to the Westchester Putnam BOCES site, the Primrose School, Somers Senior
29 High School, JFK and Lincoln Hall. So those are the properties that this could be applied to - and
30 that is limited to just those properties. In addition, the Town Board was very clear in their direction
31 and they asked this office to prepare that Battery Energy Storage Systems (BESS) are not permitted
32 as part of these types of applications. So even though a solar energy system may be proposed, the
33 BESS, which sometimes is included as part of these facilities, is not permitted as part of this
34 proposed legislation. So right now, all the Town Board is looking for is, they circulated the Notice
35 of Intent to act as Lead Agency under the State Environmental Quality Review Act (SEQRA), that
36 notice was circulated to a number of different interested and involved agencies, the Planning Board
37 was one of them. Mr. Smith stated that he did not think that this Board would object to the Town
38 Board acting as Lead Agency and this is what they are looking for, for their meeting tomorrow
39 night. If you choose to move in that direction, Mr. Smith indicated that he would draft a memo
40 on the Planning Board's behalf and provide that to the Town Board for their consideration. And,
41 then if you have any questions tonight about the proposed legislation you can certainly raise those
42 issues, and he can provide those to the Town Board as well. Once the Town Board declare
43 themselves as Lead Agency, which is most likely tomorrow night, they can schedule a Public
44 Hearing for their October meeting, so you still have time as a Board, and individually, if you want

1 to raise any additional questions that could be forwarded to the Town Board for their consideration
2 with respect to this application. Ms. Vicky Gannon stated that she liked the permit time frame –
3 it was Section I under tier three-time frame and abandonment. She liked that there's a clock ticking
4 for an application – so we do not have endless renewals. But had a question, under point two which
5 read as follows: upon cessation of electricity generation of the solar energy system on a continuous
6 basis for 12 months, the Town may notify and instruct the property owner and operator of the solar
7 energy system to implement the decommissioning plan and inquired as to how we would become
8 on notice that it has not been operational for 12 months. Mr. Christopher Zaberto said that is a
9 good question and inquired as to how the Town would know it is not operating. Planning Board
10 Attorney Mr. Michael Towey responded, one is by observations. If they stop maintaining it,
11 because it is a solar array, the panels are on an angle, so if vegetation starts to grow to the point
12 where it starts to block the sun, you may notice that they're no longer preventing that. So that's an
13 indicator that they may not be. The cellular tower Special Exception Use Permits have a similar
14 provision that the Town can notify that they believe it's been abandoned and recall the Applicant
15 in upon 10 days' notice to establish that it's not abandoned. He did not recall exactly if that's how
16 this is structured, but that may be a work around. Ms. Gannon responded, presumably there's a
17 window of time, so you could make an observation, but the cessation of activity may have
18 happened before the observation was made. So, we could be eight months into it then. Mr. Towey
19 responded could be. Ms. Gannon questioned how you could establish the time frame. Mr. Zaberto
20 asked if we would require a removal bond as we do for the cell towers. Both Mr. Towey and Mr.
21 Smith responded yes. Mr. Anthony Sutton asked if this is just for the Zoning Text Amendment
22 and not for an application from a party specifically for the BOCES property. Mr. Smith responded
23 no, this is generated on behalf of the Town, not on behalf of any particular Applicant. It does
24 recognize that BOCES would like to have this type of facility on their property, and so the Town
25 is trying to be cooperative and allow for these types of facilities in very limited instances,
26 particularly where there's some benefit to the overall community. And if BOCES is saving money,
27 then conceivably, they're saving money on behalf of their constituents. Mr. Sutton then asked if it
28 would be a private firm doing the investment and the construction. Mr. Smith responded yes, these
29 are typically private investments on behalf of BOCES, but there's a relationship there. Mr. Zaberto
30 then inquired as to what would happen if they're incapable and unable to store the energy - would
31 that mean that they would either only be using it for the facility itself, the school, i.e., or would
32 they be generating and dropping some of that back on the grid? Consulting Town Engineer, Mr.
33 Steve Robbins responded these are typically grid connected solar at this scale and so it is not
34 necessarily exclusive to the school itself. It's typically just a separate grid connection from the
35 school's off-take from the grid. Mr. Zaberto responded okay – so really it would be the Applicant
36 who would generally benefit from the energy production, right. In other words, there are
37 community aggregation solar systems that pop around the county and the state. This would not fall
38 under that correct. This would solely be for the proprietary use of the higher learning institution
39 that builds it. Mr. Robbins responded, that he would ask to be corrected if he misspeaks, but the
40 benefit that the property owner, in this case these eligible properties would be receiving would be
41 the income stream for the use of their property for renewable energy generation. Mr. Zaberto
42 responded, okay. Mr. Smith added that there would also be a tie in so that some of the energy
43 generated would also be used by BOCES itself, because it's rights there, and they're also doing a
44 number of other improvements to help lower energy use- such as using new lighting. Mr. Zaberto

1 responded so they are going to become more efficient. Mr. Smith responded yes. Mr. Zaberto
2 stated they will have self-production of solar energy as well to help assist with that. Mr. Smith
3 responded yes. Mr. Zaberto continued and stated if there's anything left over that goes back to the
4 grid, they'll receive revenue from, presumably, if it goes over their consumption bill, which is
5 similar to how residential solar systems work. Mr. Smith responded right. Mr. Paul Ciavardini
6 asked what the benefit to Somers would be. Mr. Smith responded that in this particular case,
7 BOCES serves not only Somers, but it serves a number of other residents, but to the extent that
8 BOCES can help reduce its costs through this type of system, it reduces the costs to those
9 constituents in the Town of Somers who rely on or use the BOCES system. The same would
10 apply if the Town of Somers School District, let's say the High School wanted to do the same
11 thing. Then again, there's probably more direct benefits to the Town of Somers and its' residents,
12 because the cost for operation for the school district conceivably would go down because now,
13 they've got this energy supply that they would apply to their facilities. Mr. Zaberto stated that all
14 of these institutions would receive some sort of state funding. Mr. Smith responded presumably,
15 yes. Mr. Zaberto continued and stated they are higher educational facilities, BOCES he believes
16 does get State aid. So, in essence, we are helping the burden of the taxpayer, because now their
17 energy bills would be lowered. Mr. Smith replied right and Mr. Zaberto stated that the monies that
18 they may use for that would offset that by self-generation. He can see where it's an indirect benefit,
19 as opposed to a direct one. Mr. Towey stated that there is also a section of the Energy Law in New
20 York State that's called an energy performance contract, where the Department of Education can
21 enter an agreement with a private individual in which that company will pay for improvements to
22 school district property, which Mr. Smith went into earlier with the lighting improvements. There
23 are also things like windows, they'll come in and they'll make improvements to the facility in
24 exchange for receiving the lease to utilize the property. He has read it before and can't tell them
25 the ins and outs of it. It is a very long comprehensive section, but it is granted by the State, and it's
26 endorsed by the State, and it kind of goes in line to where there's New York State has this 2030
27 program where they have very high goals for solar energy production. He could not remember
28 exactly what it is - if it was 30 or 100 gigawatts of solar energy production by 2030 so there's a
29 lot of state programs that are served by this. In addition to that, there are benefits directly to
30 schools. It doesn't need to be BOCES. It could be any school. It could be the High School. It could
31 be Kennedy Catholic. Mr. Towey then stated that he was not actually sure if it applied to Catholic
32 Schools - it might be restricted to Public Schools, which, though too those improvements reduce
33 the necessity of the school district as a taxing entity to tax the residents to pay for those
34 improvements. Mr. Paul Ciavardini then said he was trying to visualize this particular one. You
35 are going down Pines Bridge Road, you have BOCES on your right and then you have a wooded
36 area with lots of deer. He asked what would you see as you drive through there - would there
37 just be solar panels - 12-acres of solar panels. He asked if there are any requirements such as
38 putting up trees or anything like that; or is it just like, you're now driving down the street, which
39 seemed otherwise wooded, and now you're going to be driving down and see a field of solar panels.
40 Mr. Smith responded, that is a very good question and that in the Special Use Permit standards,
41 there are setback requirements for the tier three, height limitations, screening, visibility and habitat
42 requirements. In addition, a visual impact assessment needs to be conducted as well as the
43 submission of a screening and landscaping plan. Mr. Smith indicated that all of that is included as
44 part of the Special Permit criteria that the Planning Board would be reviewing as part of this. Mr.

1 Zaberto said so it will still come in front of our Board. Mr. Smith responded yes. Mr. Zaberto
2 added that this is just laying the groundwork for these projects to happen in a limited capacity. The
3 limitation being, who this applies to - this Overlay Zone, which is the five higher learning
4 institutions within the Town of Somers. He then asked if this would cover solar carport covers –
5 he has seen some municipal buildings are using them now and train stations. Mr. Smith stated that
6 the Town of Mount Pleasant has one of those as well and that he would have to check to see if
7 those types of facilities fall under a tier three classification, or whether they're closer to a tier two
8 classification. Mr. Towey said that depends on the acreage, the construction. The Montrose VA
9 also has it where all their parking lots now have solar overhangs for people to park under. Mr.
10 Zaberto indicated, that he wouldn't want to necessarily create a loophole for the schools now to
11 say we can build one in the field, and we can put one over our parking area. He added that he is
12 personally pro solar, but does think that needs to be outlined in a proper way. He added that he
13 did not want there to be a misinterpretation of the legislation that says, oh, well, we are a school
14 and we're going to put a 6,000 square foot solar panel array over our parking lot. Now, while
15 granted, that would still come in front of us for a Site Plan, he thought we should just be clear that
16 it either can or cannot. He personally did not care, but wanted it clear and that the Town Board
17 recognizes that it could happen and become a solar array over parking, that would be the first in
18 the Town, and that may generate some inquiries. Mr. Towey stated there is one issue with Public
19 Schools in which certain improvements or construction to Public Schools are approved by the
20 Department of Education and the Building Permits issued by the Commission of Education. Mr.
21 Zaberto asked even for a parking lot. Mr. Towey interjected and stated other things- you get into
22 the minutia here, and he had to get well versed on this over the last year. Other things, other
23 portions of school district property to include BOCES or a public High School, are subject to local
24 zoning. So, when you get the facts before you is how you determine whether or not the school can
25 apply to the Commissioner of Education for the Building Permits and bypass local zoning, or it
26 must abide by local zoning and apply to the Town for the permits. So, what is the parking lot? It's
27 an open question whether or not that falls as part of the structure of facilities itself, and is, "a school
28 use". If it is that would go to the Commissioner of Education. If it is not a school use or does not
29 strictly apply to the school facilities themselves, then it will come to the Town. Mr. Zaberto
30 responded okay. Ms. Gannon then said, she had a theoretical question and thought she heard it
31 said initially that the property is partially in Yorktown and partially in Somers. So, for her, the
32 greater question is, how administratively does approval take place when there are two
33 municipalities and is this proposed code the same as the code that exists in Yorktown? She did
34 not think we should drive the code necessarily we have for everything. And asked how would that
35 work- does general municipal law or state law tell us how we manage this? Mr. Towey responded,
36 this site is wholly located in Somers. The main campus on Pines Bridge Road is split between the
37 two municipalities. Ms. Gannon stated but, the site we're talking about now is strictly in Somers.
38 Mr. Sutton then stated that this is the property that's closer to the intersection of Moseman Avenue
39 and Pines Bridge Road. Mr. Smith responded yes. Mr. Sutton said it used to be a huge estate up
40 in there. Chairman Currie stated that he thought the Board was all in agreement and made a motion
41 to have Mr. Smith prepare a letter to the Town Board that the Planning Board has no issue with
42 them being the Lead Agency of this Zoning Text Amendment. Ms. Vicky Gannon Seconded. All
43 in favor. Motion passes.
44

1 Mr. Smith then suggested that he would work with the Planning Board Secretary, Ms. Nicole
2 Montesano, and take the minutes from this discussion and provide that as an overview to the Town
3 Board, so that they understand the discussion that you have had here. Chairman Currie responded
4 that some valuable points were made tonight. Mr. Smith responded absolutely.
5

6 **MEETING ADJOURNMENT**
7

8 Chairman Curried then said that before he makes motion to adjourn that he would like to personally
9 thank all his fellow Board Members and that it has been a pleasure working with them and that
10 they made his life very easy. He then thanked Staff for helping him throughout the years. He ended
11 with how he appreciated working with the Board and Staff Members and will miss everyone.
12

13 There being no further business, on motion by Chairman Currie, seconded by Ms. Vicky Gannon,
14 and unanimously carried, the meeting adjourned at 8:41 p.m.
15

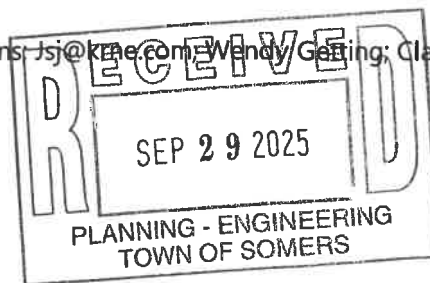
16 Chairman Currie announced that the next Planning Board meeting will be held on
17 Wednesday, October 8, 2025, at 7:30 p.m. at the Somers Town House.
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19 Respectfully submitted,
20

21 _____
22 Nicole Montesano
23 Planning Board Secretary
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Nicole Montesano

From: Eric Zohar <ezohar@somersfd.com>
Sent: Monday, September 29, 2025 2:17 AM
To: Nicole Montesano
Cc: David B. Smith; Steven Robbins; jsj@kme.com; Wendy Getting; Claire Kelmer; All Commissioners
Subject: Re: Time Extension Request



Hello Nicole,

As requested,

The Somers Fire District Board of Fire Commissioners is here by submitting a request from the town planning board to extend the subdivision approval in place for the Somers Fire District property located at 295 Route 100 (NYS Police Barracks).

This request to be presented to the planning board at the next meeting held on 10/08/2025.

Please advise If there is anything else needed.

Thank you,

Ariye Zohar
Chairman

Board of Fire Commissioners

Somers Fire District
119 Primrose Street Lincolndale NY, 10540
9147740157

On Sep 23, 2025, at 12:00 PM, Nicole Montesano <nmontesano@somersny.gov> wrote:

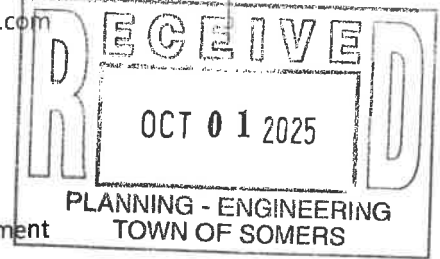
Mr. Zohar-

Please send in a written request for the next 90-day time-extension. This item will be on the October 8, 2025 Planning Board agenda as the current extension will expire on October 29th.

Thank you,
Nicole Montesano
Planning Board Secretary

Woodard & Curran Engineering
and Geological Services P.A. P.C.
800 Westchester Avenue | Suite N507
Rye Brook, New York 10573
www.woodardcurran.com

T 800.426.4262
T 914.448.2266
F 914.448.0147



MEMORANDUM



TO: Town of Somers Planning Board
CC: Town of Somers Planning and Engineering Department
FROM: Steve Robbins, P.E., LEED AP
DATE: October 1, 2025
RE: 2517: 20 Lakeview Drive Proposed Additions to Existing Single Family Residence
Review of Site Plan Application
TM: 16.09-3-46, R-10 District

GENERAL

The purpose of this letter is to provide a summary of our comments related to our review of the Site Plan Application that was submitted for the 20 Lakeside Drive Proposed Additions to Existing Single Family Residence Project, in the Town of Somers, New York.

The Applicant is proposing the construction of a 781 square foot single floor addition, and a separate 964 square foot single floor addition along Lakeside Drive, with a total site disturbance of 0.4 acres. The project exceeds 5,000 SF of disturbance and is located within the East of Hudson Watershed.

This review focused on the engineering design and the associated Town Code requirements in accordance with the following:

- Chapter 93 – Stormwater Management and Erosion and Sediment Control
- Chapter 167 – Wetland and Watercourse Protection

The updated submittal proposes native vegetation plantings along the watercourse and in the wetland buffer area in excess of the permanent disturbance in the wetland buffer area as mitigation for the wetland buffer area.

DOCUMENTS REVIEWED

- Wetland Referral Form, prepared by the Town of Somers Engineering Department, dated August 22, 2025.
- Application for Environmental Permit, prepared by Jason Long, dated August 19, 2025.
- NYSDEC Wetlands Permit, prepared by Ellen Hart, dated June 13, 2025.
- Zoning Board Approval Letter, prepared by Victor Cannistra, dated August 30, 2023.
- Drawings prepared by ResReal Designs, including:



Sheet Number	Sheet Name	Dated	Revised
SP-101	Site Plan Sheet 1	October 1, 2025	
Wetland Mitigation Plan (sketched on ZBA-1)	Wetland Mitigation Plan, 20 Lakeview Drive, Town of Somers, Westchester County May 6, 2025	May 6, 2025	

PERMITS AND APPROVALS REQUIRED

- Stormwater Pollution Prevention Plan
- Wetland and Watercourse Protection

DISCUSSION

The following is a summary of our preliminary comments based on our technical review of the latest submittal. Previously issued comments are noted in *italics* and the corresponding current status and response is shown in **bold** it should be noted that further comments will be provided upon review of additional information.

1. *Provide a Stormwater Pollution Prevention Plan in accordance with Chapter 93 of the Town Code.* **Not Addressed** – The silt fence location needs to be added back to sheet SP-101.
2. *Provide calculations and site testing results for the proposed rain garden.* **Addressed** – Rain garden has been removed.
3. On the revised site plan, SP-101, provide a detail for the permeable asphalt driveway

Please feel free to contact our office with any questions. Please provide a response memo identifying where responses to these comments can be located on revised submittals.

**PLANNING BOARD
TOWN OF SOMERS
WESTCHESTER COUNTY, NEW YORK**

PUBLIC NOTICE:

NOTICE IS HEREBY GIVEN that the Planning Board of the Town of Somers, Westchester County, New York, has scheduled a **Public Hearing** on **Wednesday, October 8, 2025** at 7:30 p.m. at the Somers Town House, 335 Route 202, Somers, New York, to consider the application of Jason Long for a Wetland and Watercourse Protection Permit.

The Applicant proposes to construct additions to the existing single-family dwelling within a wetland buffer area. The subject property is located at 20 Lakeview Drive and is designated on the Town Tax Map as Sheet 16.09, Block 3, Lot 46 and is in an R-10 Zoning District.

The proposal is more specifically shown on a drawing titled "Site Plan", dated July 21, 2025, prepared by John M. Scavelli, P.E.

New York State Department of Environmental Conservation (NYSDEC) and Zoning Board approval have been obtained.

Anyone is invited to attend and will be heard on the aforesaid matter.

BY ORDER OF THE PLANNING BOARD

Vicky Gannon, Chairman
Wendy Getting, Senior Office Assistant

OPEN SPACE COMMITTEE

Telephone
(914) 277-5582
Fax
(914) 277-3790

Town of Somers
WESTCHESTER COUNTY, N.Y.

SOMERS TOWN HOUSE
335 ROUTE 202
SOMERS, NY 10589

MICHAEL BARNHART
CHAIRMAN



RECEIVED

SEP 12 2025

PLANNING-ENGINEERING
TOWN OF SOMERS

MEMO TO: Planning Board

FROM: Open Space Committee

RE: 20 Lakeview Drive

DATE: September 12, 2025

The Committee reviewed and discussed the submission, received from the Planning Board, for 20 Lakeview Drive at our meeting on September 11, 2025. There were no comments.

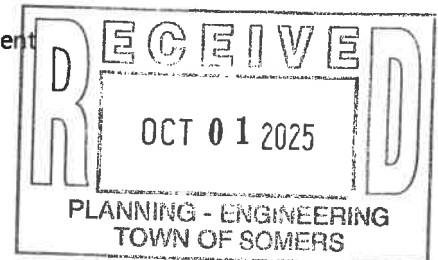
Woodard & Curran Engineering
and Geological Services P.A. P.C.
800 Westchester Avenue | Suite N507
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www.woodardcurran.com

T 800.426.4262
T 914.448.2266
F 914.448.0147

MEMORANDUM



TO: Town of Somers Planning Board
CC: Town of Somers Planning and Engineering Department
FROM: Steve Robbins, P.E., LEED AP
DATE: September 30, 2025
RE: 2520: 250 West Hill Drive Special Permit Revision
Site Plan Application
TM: 17.05-20-2, Zoning District R40



GENERAL

The purpose of this letter is to provide a summary of our comments related to our review of the Site Plan Application that was submitted for the 250 West Hill Drive Special Use Permit Revision, in the Town of Somers, New York. The Applicant proposes to modify the equipment, antennas, and cables at the site.

This review focused on the engineering design and the associated Town Code requirements in accordance with the following:

- § 170-129.6 Special Use Permit

DOCUMENTS REVIEWED

- Application for Special Use Permit, prepared by Alexis Engelhardt, dated June 19, 2025.
- EMF/FCC Compliance Report, prepared by Airosmith Engineering, dated July 14, 2025.
- Structural Analysis Report, prepared by TEP Engineering, dated March 10, 2025.
- Structural Mount Analysis Report, prepared by KMB Design Group, dated February 21, 2025, Rev #1.
- Drawing Set, prepared by Airosmith Engineering, dated March 3, 2025, including:

Sheet Number	Sheet Name	Dated	Revised
A01	Cover Sheet	March 3, 2025	NA
C01	General Notes	March 3, 2025	NA
C02	Compound Plan	March 3, 2025	NA
C02A	Elevation	March 3, 2025	NA
C03	Equipment Plans	March 3, 2025	NA
C03A	Equipment & Antenna Specifications	March 3, 2025	NA
C04	Antenna Plans (All Sectors)	March 3, 2025	NA



C04A	Antenna Mount Sections (All Sectors)	March 3, 2025	NA
C04B	Antenna Mount Sections (All Sectors)	March 3, 2025	NA
E01	General Information	March 3, 2025	NA
E02	Electrical & Grounding Details	March 3, 2025	NA
E03	Grounding One Line Diagram (All Sectors)	March 3, 2025	NA

PERMITS AND APPROVALS REQUIRED

- Town of Somers Planning Board: Wireless Special Use Permit

DISCUSSION

The following is a summary of our preliminary comments based on our technical review of the latest submittal. Previously issued comments are noted in *italics* and the corresponding current status and response is shown in **bold** it should be noted that further comments will be provided upon review of additional information.

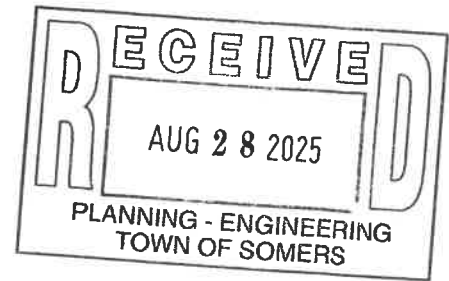
1. The Applicant provided a Structural Analysis Report prepared by TEP Engineering. The report should be clarified to confirm that an in-person structural inspection occurred in addition to any modeling, and that the facility is deemed structurally safe based on an in-person inspection and appropriate testing.
2. A report from a licensed professional engineer with expertise in radio communication facilities is required in accordance with Town Code § 170-129.8 A.(3). The Report, "EMF/FCC Compliance Report," prepared by Airosmith Engineering, was certified by a professional engineer licensed in the State of New York. Provide a Certificate of Authorization (CoA) for Airosmith Engineering to provide engineering services in New York State or update the report to reference the practice entity which has the CoA.

Please feel free to contact our office with any questions. Please provide a response memo identifying where responses to these comments can be located on revised submittals.



August 22, 2025

Town of Somers
Attn: David Smith
Planning Department
335 Route 202
Somers, NY 10589



RE: New Cingular Wireless PCS, LLC ("AT&T") building permit application ("Application") for equipment upgrades at the existing wireless telecommunications facility at 250 West Hill Drive, Somers, New York.

Dear Sir/Madam:

AT&T is seeking to perform equipment upgrades to the above-referenced existing telecommunications Facility. We are submitting this application as an eligible facilities request under Section 6409, referenced below. Please find enclosed the following documents in support of our application to obtain the building permit:

- Wireless Facility Application Form
- Letter from the receiver of taxes that all taxes have been paid on the property.
- Letter of authorization from the property owner
- Letter of authorization from New Cingular Wireless PCS, LLC
- Contractor's insurance certificates
- Copy of the engineering license that is registered in New York State, who prepared the FCC RF Emissions Compliance Report
- FCC RF Emissions Compliance Report
- Copy of applicant's FCC License
- Structural report
- Mount Analysis report
- Signed and sealed plans (6 Hard Copies, 4 Electronic)
- Application Fee in the amount of \$800.00
- Escrow Account Fee in the amount of \$2,500.00

Section 6409 of the Federal Middle Class Tax Relief and Job Creation Act ("Section 6409") was adopted in 2012. Under Section 6409, your city retains discretionary zoning review over the construction of *new* towers, but simple collocations and/or equipment upgrades at existing telecommunications facilities must be approved. The new law provides that:

"a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower, rooftop or base station that does not substantially change the physical dimensions of such tower, rooftop or base station." (Emphasis added.)

The federal law defines an "eligible facilities request" as **"(A) collocation of new transmission equipment; (B) removal of transmission equipment; or (C) replacement of transmission equipment."** (Emphasis added.)

Also, the Federal Communications Commission issued a Wireless Infrastructure Report and Order on October 17, 2014 ("FCC Order") which established regulations that clarify and streamline the municipal approval process for eligible facilities requests under Section 6409. A copy of the FCC Order is enclosed herewith.

The FCC Order clarifies that municipal review of an eligible facilities request is **limited to determining whether the request falls within Section 6409:**

"a State or local government may require the applicant to provide documentation or information only to the extent reasonably related to determining whether the request meets the requirements of this section [Section 6409]. A State or local government may not require an applicant to submit any other documentation, including but not limited to documentation intended to illustrate the need for such wireless facilities or to justify the business decision to modify such wireless facilities."47 C.F.R. 1.40001(c)(1) (Emphasis added).

AT&T's Application is an Eligible Facilities Request under Section 6409

AT&T's application qualifies as an eligible facilities request under Section 6409 because the proposed installation involves "a modification of an existing wireless tower, rooftop or base station that does not substantially change the physical dimensions of such tower, rooftop or base station."

As shown on the plans prepared by KMB Design Group dated March 3rd, 2025, AT&T's proposed installation consist principally of the following elements:

SECTOR	EXISTING ANTENNA MANUF/MODEL	FINAL ANTENNA MANUF/MODEL	QUANTITY	STATUS	RAD CENTER	MOUNT RAD CENTER	CABLE LENGTH (FT/M)
A1	ANDREW DBXLH-9090A-R2M	COMMSCOPE NNHH-65A-R4-V2	1	RELOCATE	70'-0"	66'-3"	105/32.0
A2	COMMSCOPE NNHH-65A-R4-V2	ERICSSON AIR6472 B77G B77M	1	REPLACE	70'-11"		
A3	COMMSCOPE NNHH-65A-R4-V2	COMMSCOPE NNH4-65A-R6H4	1	REPLACE	70'-0"		
B1	ANDREW DBXLH-9090A-R2M	COMMSCOPE NNHH-65A-R4-V2	1	RELOCATE	70'-0"	66'-3"	105/32.0
B2	COMMSCOPE NNHH-65A-R4-V2	ERICSSON AIR6472 B77G B77M	1	REPLACE	70'-11"		
B3	COMMSCOPE NNHH-65A-R4-V2	COMMSCOPE NNH4-65A-R6H4	1	REPLACE	70'-0"		
C1	ANDREW DBXLH-9090A-R2M	COMMSCOPE NNHH-65A-R4-V2	1	RELOCATE	70'-0"	66'-3"	105/32.0
C2	COMMSCOPE NNHH-65A-R4-V2	ERICSSON AIR6472 B77G B77M	1	REPLACE	70'-11"		
C3	COMMSCOPE NNHH-65A-R4-V2	COMMSCOPE NNH4-65A-R6H4	1	REPLACE	70'-0"		
NOTES: 1. INFORMATION BASED ON RFDS REVISION TBD, DATED 12/17/2024. CONTRACTOR TO VERIFY LATEST RFDS WITH RF ENGINEER. 2. ANTENNA CENTERLINE HEIGHT VERIFIED IN FIELD.							

Accordingly, AT&T's installation involves **the collocation and replacement of new transmission equipment that will not increase the height of the installation nor the dimensions of the equipment compound.** As a result, the installation "does not substantially change the physical dimensions of such rooftop or base station." Therefore, these proposed equipment upgrades constitute an "eligible facilities request" under Section 6409, and must be approved. **Timeline for Review and Approval**

We would like to highlight an important timing requirement for processing this application. The FCC Order determined that **a municipality must act on an eligible facilities request within sixty (60) days of receiving the application.** 47 C.F.R. 1.40001(c)(2) (Emphasis added). (Note, the sixty (60)-day period is also known as the "Shot Clock"). Thus, the city must approve this application within sixty (60) days of its receipt. The FCC Order provides that upon a municipality's failure to act prior to expiration of the Shot Clock, the **"request shall be deemed granted"** and AT&T will be legally entitled to proceed with construction. 47 C.F.R. 1.40001(c)(4) (Emphasis added).

Note that the FCC Order does allow the Shot Clock to be tolled if an application is incomplete. However, in order to do so, a municipality must provide written notice that the application is incomplete within thirty (30) days of the submittal. 47 C.F.R. 1.40001(c)(3)(i). The notice must "clearly and specifically" describe the missing documents or information, 47 C.F.R. 1.40001(c)(3)(i), and, as previously mentioned, such documentation must be necessary to the determination of whether the application qualifies as an eligible facilities request. If the municipality requests additional information after the first thirty (30) days have passed, we will still provide any "reasonably related" information allowed under the FCC Order, but the Shot Clock will not be tolled.

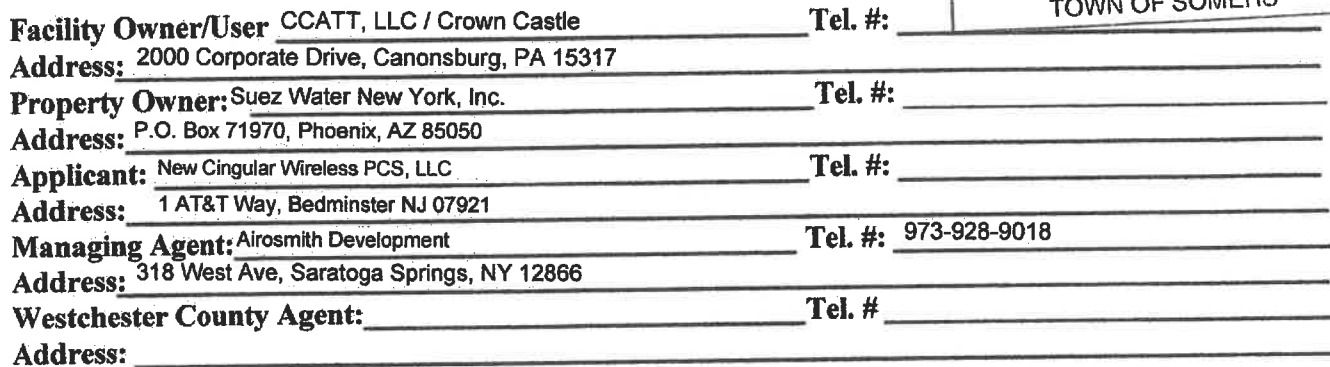
In light of the foregoing, AT&T respectfully requests that its proposed equipment upgrades be approved. In the meantime, if you have any questions, please feel free to call or email me. Thank you for your cooperation.

Sincerely,

Alexis Engelhardt

Alexis Engelhardt
Airosmith Development
318 West Avenue
Saratoga Springs, New York 12866
(973)-928-9018
E-mail: aengelhardt@airosmithdevelopment.com

**TOWN OF SOMERS
WESTCHESTER COUNTY, NEW YORK
APPLICATION FOR SPECIAL USE PERMIT
WIRELESS TELECOMMUNICATIONS FACILITY**



Zoning District
PROJECT TITLE: FA# 10074823 - SOMERS

DESCRIPTION OF WORK AND PURPOSE:
Modification to existing wireless telecommunications facility comprising of equipment, antennas and associated cables.

TYPE OF PERMIT REQUESTED:	ORIGINAL/NEW
X	AMENDED (Date of Original Permit)
	RENEWAL (Date of Original Permit)

SIZE OF ACTIVITY AREA: _____
ESTIMATED TOTAL VALUE OF WORK: \$20,000.00
PROPOSED STARTING DATE: TBD
PROPOSED COMPLETION DATE: TBD
PLANS PREPARED BY: KMB Design Group **DATED:** 3/03/2025
Plans must be submitted with application.

APPLICATION FEE:	\$1,000.00	Original/New Special Use Permit Application
	\$ 800.00	Amended Special Use Permit Application
	\$ 500.00	Renewal of Special Use Permit Application (every 5 years)

Based upon Somers Town Code §133-2. At the time of submission of any application, an Escrow Account shall be established to pay for the costs of professional review services.

DOCUMENTS TO BE SUBMITTED WITH THIS APPLICATION:
14 Copies of all correspondence and plans submitted to the Planning Board.
Please refer to Somers Town Code §170-129.8, Application procedure. for the required documents to be submitted. (see attached)

APPLICANT/FACILITY/OWNER/USER SIGNATURE: Alexis Engelhardt
 DATE: 6/19/2025
 PROPERTY OWNER'S SIGNATURE: Chris Webb
 DATE: 8/5/25

Digitally signed by Chris Webb
 Date: 2025.08.05 12:05:33 -0400

Woodard & Curran Engineering
and Geological Services P.A. P.C.
800 Westchester Avenue
Suite N507
Rye Brook, New York 10573
www.woodardcurran.com

T 800.426.4262
T 914.448.2266
F 914.448.0147



MEMORANDUM

TO: Town of Somers Planning Board
CC: Wendy Getting, Town of Somers
David Smith, Consulting Town Planner
FROM: Steven C. Robbins, P.E., LEED AP
DATE: October 3, 2025
RE: 2521: T-Mobile Special Use Permit Amendment
SINY001005
2580 Route 35, Somers, New York 10578
TM: 37.13-2-3



GENERAL

The purpose of this memorandum is to provide the Planning Board with a summary of our comments related to our review of the Special Permit Use Application for a proposed removal and installation of equipment at an existing Crown Castle wireless telecommunications facility located at 2580 Route 35 in Somers.

The Applicant proposes the removal and replacement of existing antennas, cabling, and equipment from the tower, installation of updated equipment on the tower and modifications to equipment on the existing equipment pad. The Applicant asserts changes to the equipment will not substantially change the physical dimensions of the tower or base station.

This review focused on the engineering design and the associated Town Code requirements in accordance with the following:

- Town of Somers Code, Article XXIIA: *Wireless Telecommunications Facilities*.

DOCUMENTS RECEIVED

- Cover Letter, prepared by Christine Killion, dated September 25, 2025.
- Town of Somers Application for Special Use Permit Wireless Telecommunications Facility, prepared by Christine Killion, dated September 25, 2025.
- Structural Analysis Report, prepared by Lucas Tait, dated March 10, 2025, and stamped by Michael Berger.
- Antenna Mount Analysis Report, prepared by Roberto Catalano, dated March 25, 2025, and stamped by Jason George Cheronis.



- "Antenna Site FCC RF Compliance Assessment and Report", prepared by Pinnacle Telecom Group, dated August 29, 2025.
- Drawing Set, prepared by American Tower Engineering Services, PLLC, dated May 19, 2025.

Sheet Number	Sheet Name	Dated	Revised
G-001	Title Sheet	May 19, 2025	NA
G-002	General Notes	May 19, 2025	NA
C-101	Detailed Site Plan	May 19, 2025	NA
C-102	Detailed Equipment Plan	May 19, 2025	NA
C-201	Tower Elevation	May 19, 2025	NA
C-401	Antenna Information and Schedule	May 19, 2025	NA
C-501	Construction Details	May 19, 2025	NA
E-501	Grounding Details	May 19, 2025	NA
R-601	Supplemental	NA	NA
R-602	Supplemental	NA	NA
R-603	Supplemental	NA	NA
R-604	Supplemental	NA	NA
R-605	Supplemental	NA	NA
R-606	Supplemental	NA	NA
R-607	Supplemental	NA	NA
R-608	Supplemental	NA	NA
R-609	Supplemental	NA	NA

PERMITS AND APPROVALS REQUIRED

- Town of Somers Planning Board: New Special Use Permit

DISCUSSION

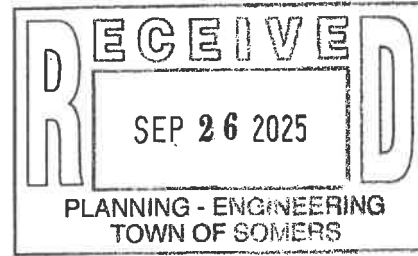
1. The Applicant provided a Structural Analysis Report and Antenna Mount Analysis Report, both prepared by American Tower Engineering Services, PLLC. The reports should be clarified to confirm that an in-person structural inspection occurred in addition to any modeling, and that the facility is deemed structurally safe based on an in-person inspection and appropriate testing.
2. A report from a licensed professional engineer with expertise in radio communication facilities is required in accordance with Town Code § 170-129.8 A.(3). The report provided was not stamped by a professional engineer licensed in the State of New York. Provide a Certificate of Authorization for Pinnacle Telecom Group to provide engineering services in New York State.



September 25, 2025

Via UPS 1Z9Y45030220516457

Town of Somers
335 Route 202
Somers, NY 10589
Attn: Planning Department



RE: Eligible Facilities Request for a Building Permit for an existing wireless facility at 2580 Route 35, Katonah American Tower # 207786 / T-Mobile Site # NY09122A

Dear Mr. Smith:

On behalf of American Tower Corporation ("ATC"), Centerline submits the enclosed application and associated documents, which qualify as an Eligible Facilities Request ("EFR"), seeking the requisite approvals and building permit to modify an existing wireless facility at the above referenced property.¹ The EFR includes work necessary to improve wireless service quality and provide coverage and capacity for Katonah community.

The following documents are being submitted under Section 6409 of the federal Middle Class Tax Relief and Job Creation Act of 2012 (47 U.S.C.A. §1455 ("Section 6409")), adopted in 2012. Wireless Facility Application Form signed by property owner

1. Signed Application for Special Use Permit
2. Contractor's insurance certificates
3. FCC RF Emissions Compliance Report, 6 copies
4. Signed and sealed construction plans, 6 copies
5. Structural Analysis, 6 copies
6. Mount Analysis, 6 copies
7. Letter from the receiver of taxes
8. Check # 1684 in the amount of \$800 for the Amended SUP Application Fee
9. Check # 1685 in the amount of \$2,500 for the escrow account

Also included are 4 flash drives with the above files saved.

Under Section 6409, your city retains discretionary zoning review over the construction of *new* towers, but simple collocations and/or equipment upgrades at existing telecommunications facilities must be approved, **no later than November 24, 2025**. The new law provides that:

¹ See 47 C.F.R. 1.6100(b)(3).

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



"a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."

As described below, this application must be approved no later than November 24, 2025, that is 60 days from date of submission. (Emphasis added.)

The federal law defines an "eligible facilities request" as **"(A) collocation of new transmission equipment; (B) removal of transmission equipment; or (C) replacement of transmission equipment."** (Emphasis added.)

The FCC Order clarifies that municipal review of an eligible facilities request is **limited to determining whether the request falls within Section 6409:**

"a State or local government may require the applicant to provide documentation or information only to the extent reasonably related to determining whether the request meets the requirements of this section [Section 6409]. A State or local government may not require an applicant to submit any other documentation, including but not limited to documentation intended to illustrate the need for such wireless facilities or to justify the business decision to modify such wireless facilities."⁴⁷ C.F.R. 1.40001(c)(1) (Emphasis added).

The FCC Order also specifies that the term "base station" includes any structure that "supports or houses" communications equipment. Since this structure already supports communications equipment, it is considered a "base station" under Section 6409

ATC's Application is an Eligible Facilities Request under Section 6409

ATC's application qualifies as an eligible facilities request under Section 6409 because the proposed installation involves "a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."

As shown on the plans prepared by A.T. Engineering Services, PLLC dated 5/19/25, ATC's proposed installation consists principally of the following elements:

- Remove and replace four (4) antennas;
- Remove and replace four (4) remote radio units;
- Remove & replace two (2) cabinets at ground

Accordingly, ATC's installation involves **the collocation of new transmission equipment that will not increase the dimensions of the equipment compound.** As a result, the installation "does not substantially change the physical dimensions of such tower or base station." Therefore, these proposed equipment upgrades constitute an "eligible facilities request" under Section 6409, and must be approved.

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Timeline for Review and Approval

We would like to highlight an important timing requirement for processing this application. The FCC Order determined that a **municipality must act on an eligible facilities request within sixty (60) days of receiving the application**. 47 C.F.R. 1.40001(c)(2) (Emphasis added). (Note, the sixty (60)-day period is also known as the "Shot Clock"). Thus, the city must approve this application within sixty (60) days of its receipt, **no later than November 24, 2025**. The FCC Order provides that upon a municipality's failure to act prior to expiration of the Shot Clock, the **"request shall be deemed granted"** and ATC will be legally entitled to proceed with construction. 47 C.F.R. 1.40001(c)(4) (Emphasis added).

Note that the FCC Order does allow the Shot Clock to be tolled if an application is incomplete. However, in order to do so, a municipality must provide written notice that the application is incomplete within thirty (30) days of the submittal. 47 C.F.R. 1.40001(c)(3)(i). The notice must "clearly and specifically" describe the missing documents or information, 47 C.F.R. 1.40001(c)(3)(i), and, as previously mentioned, such documentation must be necessary to the determination of whether the application qualifies as an eligible facilities request. If the municipality requests additional information after the first thirty (30) days have passed, we will still provide any "reasonably related" information allowed under the FCC Order, but the Shot Clock will not be tolled.

In light of the foregoing, ATC respectfully requests that its proposed equipment upgrades be approved and the building permit issued.

In the meantime, if you have any questions, please feel free to call or email me. Thank you for your cooperation.

Sincerely,

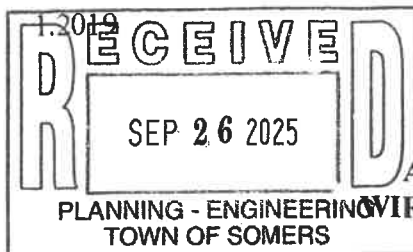
Christine Killion

Christine Salerno-Killion, Program Manager

ckillion@clinellc.com

201-310-1254

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



SO ATC 207786, 15195627

TOWN OF SOMERS
WESTCHESTER COUNTY, NEW YORK
APPLICATION FOR SPECIAL USE PERMIT
WIRELESS TELECOMMUNICATIONS FACILITY

Facility Owner/User American Tower / T-Mobile Tel. #: 201-310-1254
Address: 10 Presidential Way, Woburn, MA 01801
Property Owner: Carol Santaroni Tel. #: 914-299-1386
Address: PO BOX 328, Amawalk, NY 10501
Applicant: T-Mobile Tel. #: _____
Address: 4 Sylvan Way, Parsippany, NJ 07054
Managing Agent: Christine Killion (Centerline) Tel. #: 201-310-1254
Address: 750 W Center Street - Suite 301, West Bridgewater, MA 02379
Westchester County Agent: n/a Tel. # _____
Address: _____

Premises: Sheet: 37.13-2-3 Block: - Lot: _____ Situated on the west side of
Amawalk Road (Street) .4 mi ~~West~~ from the intersection of Lake Road (Street)

Zoning District Residential

PROJECT TITLE: T-Mobile NY09122A

DESCRIPTION OF WORK AND PURPOSE:

T-Mobile proposes to remove & replace 4 antennas and 4 remote radio units on the existing tower; and
to replace equipment cabinets within the existing ground space.

TYPE OF PERMIT REQUESTED: _____ X _____ ORIGINAL/NEW
_____ AMENDED (Date of Original Permit)
_____ RENEWAL (Date of Original Permit)

SIZE OF ACTIVITY AREA: 240 sf

ESTIMATED TOTAL VALUE OF WORK: \$25,000

PROPOSED STARTING DATE: 8/11/25

PROPOSED COMPLETION DATE: 8/25/25

PLANS PREPARED BY: A.T. Engineering Services, PLLC DATED: 5/19/2025

Plans must be submitted with application.

APPLICATION FEE: \$1,000.00 Original/New Special Use Permit Application
☒ \$ 800.00 Amended Special Use Permit Application
\$ 500.00 Renewal of Special Use Permit Application (every 5 years)

Based upon Somers Town Code §133-2. At the time of submission of any application, an Escrow Account shall be established to pay for the costs of professional review services.

DOCUMENTS TO BE SUBMITTED WITH THIS APPLICATION:

14 Copies of all correspondence and plans submitted to the Planning Board.

Please refer to Somers Town Code §170-129.8, Application procedure. for the required documents to be submitted. (see attached)

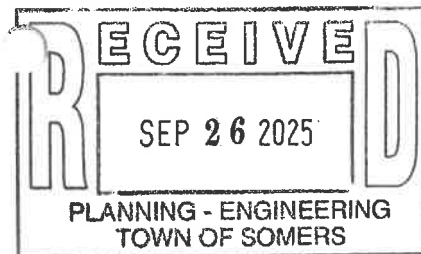
APPLICANT/FACILITY/OWNER/USER SIGNATURE: Christine Killion

DATE: 9-25-2025

PROPERTY OWNER'S SIGNATURE: Carol Santaroni

Carol Santaroni

DATE: 6-25-25



**TOWN OF SOMERS
WESTCHESTER COUNTY, NEW YORK
CHAPTER 67 "APPLICATION PROCESSING RESTRICTIVE LAW"**

AFFIDAVIT

I hereby certify that to the best of my knowledge no outstanding fees are due and owing
To the Town of Somers for the following property:

Section 37.13 Block 2 Lot 3

Property Address 2580 Route 35, Katonah

Permit Applying For building permit for T-Mobile modification

Furthermore, I hereby certify that to the best of my knowledge no outstanding violation
(as that term is defined for the purposes of the Application Processing Restrictive Law,
Paragraph 4D) of local laws or ordinances of the Town of Somers exist with respect to
the above cited property or any structure or use existing thereon.

Signed Carol Santaroni
(Owner of Record)

Signed Christine Killion
(Applicant for Permit)

Carol Santaroni
(Print Name)

Christine Killion
(Print Name)

Date 6-25-25

Date 9/25/25

CONFIRMATIONS

Zoning Enforcement Officer

Date _____

Director of Finances for Fees

Date _____

OFFICE OF THE TAX RECEIVER

Town of Somers

WESTCHESTER COUNTY, N.Y.

Telephone
(914) 277.3610

Fax
(914) 277.8932

Michele A. McKearney

Receiver of Taxes
mmckearney@somersny.com



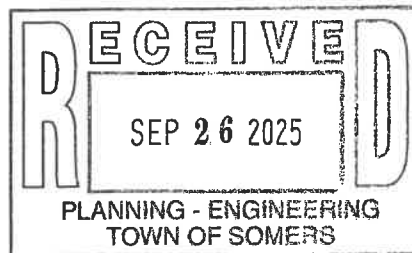
335 Route 202
Town House
Somers, NY 10589

Christine Rossiter

Deputy Receiver of Taxes
crossiter@somersny.com

September 22, 2025

RE: Santaroni, Umberto & Carol.
Irrevocable Trust
2580 RTE 35
Katonah, NY 10536
Parcel # 37.13-2-3



To Whom It May Concern,

All taxes have been paid in full on the above referenced parcel. There are no outstanding liens or taxes due as of the date of this letter.

If you have any questions or need additional information, please do not hesitate to contact me.

Sincerely,

Christine Rossiter
Deputy Receiver of Taxes



Workers'
Compensation
Board

CERTIFICATE OF INSURANCE COVERAGE NYS DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

PART 1. To be completed by NYS disability and Paid Family Leave benefits carrier or licensed insurance agent of that carrier

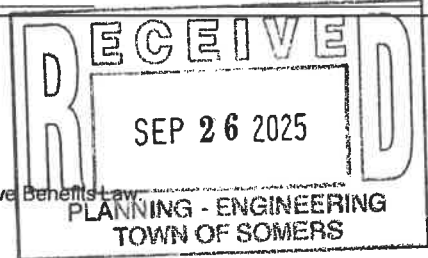
1a. Legal Name & Address of Insured (use street address only) CURRENT COMMUNICATIONS LLC 265 WILLOWBROOK ROAD FREEHOLD, NJ 07728 Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e., Wrap-Up Policy)	1b. Business Telephone Number of Insured 516-797-8194 1c. Federal Employer Identification Number of Insured or Social Security Number 113491275
2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) Town of Somers 335 Route 202 Somers, NY 10589	3a. Name of Insurance Carrier ShelterPoint Life Insurance Company 3b. Policy Number of Entity Listed in Box "1a" DBL749225 3c. Policy effective period 08/13/2025 to 08/12/2026

4. Policy provides the following benefits:

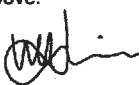
- ☒ A. Both disability and paid family leave benefits.
☐ B. Disability benefits only.
☐ C. Paid family leave benefits only.

5. Policy covers:

- ☒ A. All of the employer's employees eligible under the NYS Disability and Paid Family Leave Benefits Law.
☐ B. Only the following class or classes of employer's employees:



Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has NYS Disability and/or Paid Family Leave Benefits insurance coverage as described above.

Date Signed 9/18/2025 By 
(Signature of insurance carrier's authorized representative or NYS Licensed Insurance Agent of that insurance carrier)

Telephone Number 516-829-8100 Name and Title Wade Harrison, President

IMPORTANT: If Boxes 4A and 5A are checked, and this form is signed by the insurance carrier's authorized representative or NYS Licensed Insurance Agent of that carrier, this certificate is COMPLETE. Mail it directly to the certificate holder.

If Box 4B, 4C or 5B is checked, this certificate is NOT COMPLETE for purposes of Section 220, Subd. 8 of the NYS Disability and Paid Family Leave Benefits Law. It must be emailed to PAU@wcb.ny.gov or it can be mailed for completion to the Workers' Compensation Board, Plans Acceptance Unit, PO Box 5200, Binghamton, NY 13902-5200.

PART 2. To be completed by the NYS Workers' Compensation Board (Only if Box 4B, 4C or 5B have been checked)

State of New York Workers' Compensation Board

According to information maintained by the NYS Workers' Compensation Board, the above-named employer has complied with the NYS Disability and Paid Family Leave Benefits Law (Article 9 of the Workers' Compensation Law) with respect to all of their employees.

Date Signed _____ By _____
(Signature of Authorized NYS Workers' Compensation Board Employee)

Telephone Number _____ Name and Title _____

Please Note: Only insurance carriers licensed to write NYS disability and paid family leave benefits insurance policies and NYS licensed insurance agents of those insurance carriers are authorized to issue Form DB-120.1. Insurance brokers are NOT authorized to issue this form.



Additional Instructions for Form DB-120.1

By signing this form, the insurance carrier identified in Box 3 on this form is certifying that it is insuring the business referenced in Box 1a for disability and/or Paid Family Leave benefits under the NYS Disability and Paid Family Leave Benefits Law. The insurance carrier or its licensed agent will send this Certificate of Insurance Coverage (Certificate) to the entity listed as the certificate holder in Box 2.

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is cancelled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from coverage indicated on this Certificate. (These notices may be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in Box 3c, whichever is earlier.

This Certificate is issued as a matter of information only and confers no rights upon the certificate holder. This Certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This Certificate may be used as evidence of a NYS disability and/or Paid Family Leave benefits contract of insurance only while the underlying policy is in effect.

Please Note: Upon the cancellation of the disability and/or Paid Family Leave benefits policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Insurance Coverage for NYS disability and/or Paid Family Leave Benefits or other authorized proof that the business is complying with the mandatory coverage requirements of the NYS Disability and Paid Family Leave Benefits Law.

NYS DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

§220. Subd. 8

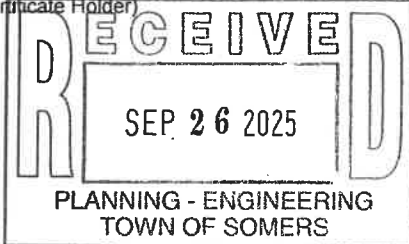
(a) The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in employment as defined in this article, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand and twenty-one, the payment of family leave benefits for all employees has been secured as provided by this article. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any disability benefits to any such employee if so employed.

(b) The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in employment as defined in this article and notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand eighteen, the payment of family leave benefits for all employees has been secured as provided by this article.



**Workers'
Compensation
Board**

**CERTIFICATE OF
NYS WORKERS' COMPENSATION INSURANCE COVERAGE**

1a. Legal Name & Address of Insured (use street address only) Current Communications, LLC 265 Willow Brook Rd Unit 4 Freehold, NJ 07728 <i>Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e., a Wrap-Up Policy)</i>	1b. Business Telephone Number of 1c. NYS Unemployment Insurance Employer Registration Number of Insured 1d. Federal Employer Identification Number of Insured or Social Security Number 11-3491275
2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) Town of Somers 335 Route 202 Somers, NY 10589 	3a. Name of Insurance Carrier The Charter Oak Fire Insurance Company 3b. Policy Number of Entity Listed in Box "1a" UB-B2591119-25-I5-G 3c. Policy effective period 8/12/2025 to 8/12/2026 3d. The Proprietor, Partners or Executive Officers are ☒ included. (Only check box if all partners/officers included) ☐ all excluded or certain partners/officers excluded.

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. **(To use this form, New York (NY) must be listed under Item 3A on the INFORMATION PAGE of the workers' compensation insurance policy).** The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) **Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.**

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Workers' Compensation contract of insurance only while the underlying policy is in effect.

Please Note: Upon cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by: Angela DeVincenzi
(Print name of authorized representative or licensed agent of insurance carrier)

Approved by: Angela DeVincenzi
(Signature) (Date)

Title: Account Manager

Telephone Number of authorized representative or licensed agent of insurance carrier: 516-414-7298

Please Note: Only insurance carriers and their licensed agents are authorized to issue Form C-105.2. Insurance brokers are NOT authorized to issue it.

Workers' Compensation Law

Section 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.
2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/22/2025

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
Alliant Insurance Services, Inc.
333 Earle Ovington Blvd Ste 700
Uniondale NY 11553

License#: 0C36861
CURRCOM-01

INSURED
Current Communications LLC
265 Willowbrook Road, Unit 4
Freehold NJ 07728

CONTACT
NAME:
PHONE
(A/C, No, Ext): 516-414-8900
E-MAIL
ADDRESS:

FAX
(A/C, No):

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: Charter Oak Fire Insurance Com

25615

INSURER B: Travelers Indemnity Company of

25682

INSURER C: Travelers Indemnity Company

25658

INSURER D: StarStone Specialty Insurance

44776

INSURER E:**INSURER F:****COVERAGES****CERTIFICATE NUMBER:** 1304382508**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 CERTIFICATION 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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
C	☒	COMMERCIAL GENERAL LIABILITY		Y	Y	ZLP-21R07166-25-I5	8/12/2025	8/12/2026	EACH OCCURRENCE	\$ 1,000,000
	☐	CLAIMS-MADE	☒ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
	☐								MED EXP (Any one person)	\$ 10,000
	☐								PERSONAL & ADV INJURY	\$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:								GENERAL AGGREGATE	\$ 2,000,000
	☒	POLICY	☐ PROJECT ☐ LOC						PRODUCTS - COMP/OP AGG	\$ 2,000,000
	☐	OTHER:								\$
B	☒	AUTOMOBILE LIABILITY		Y	Y	BA-B2587616-25-I5-G	8/12/2025	8/12/2026	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	☒	ANY AUTO							BODILY INJURY (Per person)	\$
	☐	OWNED AUTOS ONLY	☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$
	☒	HIRED AUTOS ONLY	☒ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
	☐									\$
C	☒	UMBRELLA LIAB	☒ OCCUR	Y	Y	CUP-B2593764-25-I5	8/12/2025	8/12/2026	EACH OCCURRENCE	\$ 6,000,000
	☐	EXCESS LIAB	☐ CLAIMS-MADE						AGGREGATE	\$ 6,000,000
	☐	DED ☒	RETENTION \$ 10,000							\$
A	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/A	UB-B2591119-25-I5-G	8/12/2025	8/12/2026	☒ PER STATUTE ☐ OTHER	
									E.L. EACH ACCIDENT	\$ 1,000,000
									E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
									E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D	Professional and Pollution Liability					MEO00499954P-00	8/12/2025	8/12/2026	Per Occurrence Per Aggregate Retention	2,000,000 2,000,000 10,000

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

Town of Somers is included as Additional Insured on a Primary and Non-Contributory basis as respects to General Liability, Automobile Liability and Umbrella Liability as required by written contract. Waiver of Subrogation is included and applies in favor of the Additional Insureds as required by written contract. Thirty (30) Days' Notice of Cancellation applies.

RECEIVED
SEP 26 2025
PLANNING - ENGINEERING
TOWN OF SOMERS

CERTIFICATE HOLDER

Town of Somers
335 Route 202
Somers NY 10589

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

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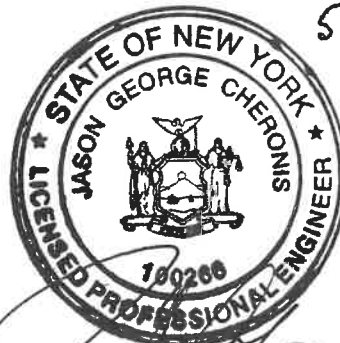
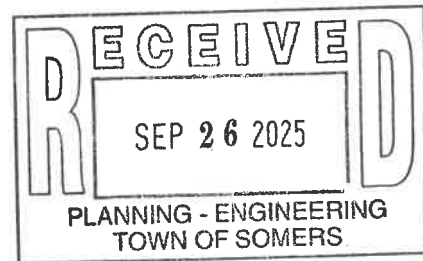
AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by



Antenna Mount Analysis Report

Mount Type : 10 ft T-Arm
ATC Asset Name : Amawalk
ATC Asset Number : 207786
Engineering Number : 15195627_C8_02
Mount Elevation : 105 ft
Carrier : T-Mobile
Carrier Site Name : NY09122A
Carrier Site Number : NY09122A
Site Location : 2580 Route 35
Katonah, NY 10536
41.28243835, -73.75003744
County : Westchester
Date : March 25, 2025
Max Usage : 74 %
Result : Contingent Pass





Eng. Number 15195627_C8_02
March 25, 2025

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Calculations	Attached

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 105 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for SitePro1 Part #: RMV10
Structural Analysis	ATC Engineering #: 15195627_C3_01 dated: March 10, 2025
RFDS	RFDS dated January 23, 2025
Photos	Site photos from 2021

Analysis

This antenna mount was analyzed using RISA-3D v21 analysis software

Basic Wind Speed:	114 mph, Vult (3-Second Gust)
Basic Wind Speed w/ Ice:	47 mph (3-Second Gust) w/ 1" Radial Ice (Escalating)
Codes:	TIA-222-I
Structure Class:	II
Exposure Category:	C
Topographic Factor Procedure:	Method 1
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	$S_{MS} = 0.3$, $S_{M1} = 0.11$
Site Class:	D (assumed)
Live Loads:	$L_m = 500$ lbs, $L_v = 250$ lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

- Install one 6' P2 STD Mount Pipe (SitePro1 P/N: P272) on alpha sector with a centerline of 105' at 4'-4.5" from the left edge of the face (looking from the front). Connect to the face using a crossover kit designed by SitePro1 (P/N: SCX43-K).

No structural failures were addressed with the noted contingencies. Contingencies address Carrier's antenna and can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower at MountAnalysis@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
105.0	105.0	4	Commscope VV-65A-R1
		4	RFS APXVAARR24_43-U-NA20
		4	Ericsson Radio 4460 B25+B66
		4	Ericsson Radio 4449 B71 B85A
		1	RFS SC2-W100AC

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Face	74%	Pass
Verticals	62%	Pass
Diagonals	44%	Pass
Plate	0%	Pass
Collar	27%	Pass
Collar Threaded Rods	7%	Pass
Flange Plate Bolts	29%	Pass
Flange Plate	67%	Pass

Standard Conditions

All engineering services performed by POD Engineering Group are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of POD Engineering Group

It is the responsibility of the client to ensure that the information provided to POD Engineering Group and used in the performance of our engineering services is correct and complete.

POD Engineering Group assumes that all structures were constructed in accordance with the drawings and specifications.

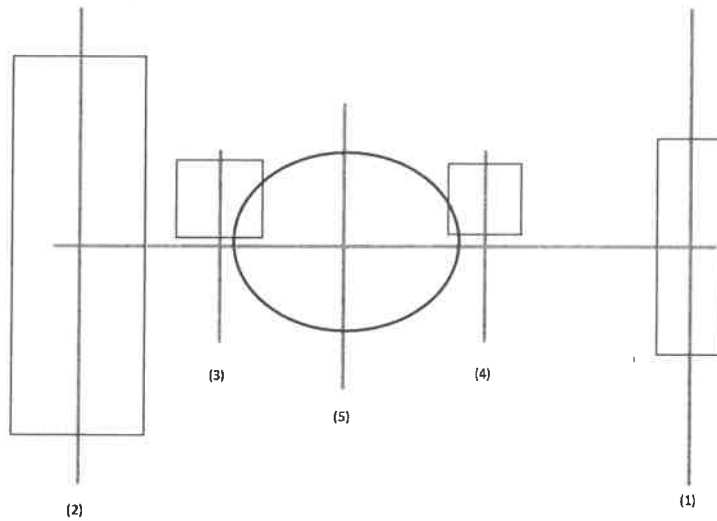
All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

Unless explicitly agreed by both the client and POD Engineering Group, all services will be performed in accordance with the current revision of ANSI/TIA-222.

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

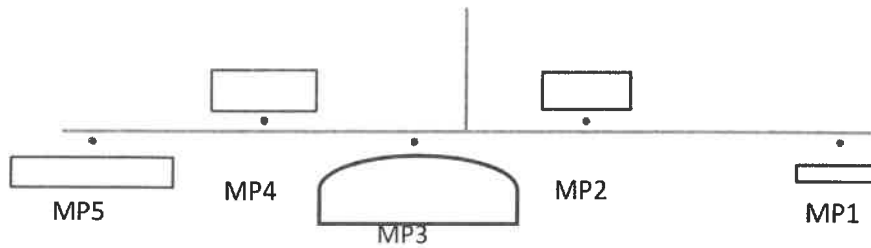
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. POD Engineering Group is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

Mount Layout (From Front)



Ant #	Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	CL (ft)	Sector	Mount Pipe #
(1)	VV-65A-R1	1	54.7	12.1	4.6	0	105	A	1
(2)	APXVAARR24_43-U-NA20	1	95.9	24	8.7	0	105	A	5
(3)	Radio 4460 B25+B66	1	19.6	15.7	12.1	0	105	A	4
(4)	RADIO 4449 B71 B85A	1	17.91	13.2	10.63	0	105	A	2
(5)	SC2-W100AC	1	26.4	26.4	16.3	0	105	A	3

Mount Layout (From Above)



Ant #	Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	CL (ft)	Sector	Mount Pipe #
(1)	VV-65A-R1	1	54.7	12.1	4.6	0	105	A	1
(2)	APXVAARR24_43-U-NA20	1	95.9	24	8.7	0	105	A	5
(3)	Radio 4460 B25+B66	1	19.6	15.7	12.1	0	105	A	4
(4)	RADIO 4449 B71 B85A	1	17.91	13.2	10.63	0	105	A	2
(5)	SC2-W100AC	1	26.4	26.4	16.3	0	105	A	3



POD Job # 25-180614
Site Number 207786
Site Name Amewalk

General Site Information

Mount Type	MF	Risk Category	II
V (Wind Speed)	114		
Zs	356.95	Tower Type	Monopole
ti	1	Tower Height	129
Vi	47		
Kzt	1	Alpha Azimuth	0
Exposure	C		
zg	2450	I (seismic)	1
g	9.5	Sms	0.1
Kmin	0.85	Sms1	0.11
Gst	1	Soil Site Class	D (assumed)
Ke	0.99	Sds	0.200
Kp	0.95	Sd1	0.073
Ks	0.9		
		Seismic Design Category	B
		Seismic Analysis Not Required	
		R	2 TIA-222-I 16.7
		As	1 TIA-222-I 16.7
		Cs, Min	0.00 TIA-222-I 2.7.8.1.1
		Cs	0.1 TIA-222-I 2.7.8.1.1
		Number of Sectors	1
		Front Outer Dimensions	width (ft) height (ft)
		Side Outer Dimensions	10 0.333
			3 0.333

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
VV-65A-R1			105	5	36		A	1	1
APX/VAARR24_43-U-NA20			105	5	72		A	1	5
Radio 4460 825-866			105	3			A	1	4
RADIO 4449 871 885A			105	3			A	1	2

Dish Information

Model	Centerline	Azimuth	Type	Diameter	Depth	Weight	Acting Azimuth	Wind Ix	qt	A	Ice Kiz	Ice Iiz	qt	Di	Al	W
SC2-W100AC	105	0	w/o Radome	26.4	16.3		22	0	1.241	38.709	3.861	1.123	1.133	6.580	28.645	98.176

Mount Information

Elevation (ft)	105	Grating Thickness (in)	
Kz	1.24	Grating Ice Weight (lb/ft ²)	0.010
Kiz	1.12		
Iz	1.12		

Mount Pipes	Length (ft)	Width (in)	Centerline
	10	2.375	105

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Support Pipe	1.5	4.5	Yes	1
Flare	10	3.5	Front	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member Side	# of Members
Standoff	2.833	4	Square HSS		4	0.25	4		1



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lb-s)	K _z	qz (lb/ft ²)	(EPA) _w (ft ²)	(EPA) _z (ft ²)	Front	Side	Wind Force (Kips)		
											Alpha	Beta	Gamma
VV-65A-R1	54.7	12.1	4.6	23.8	1.24	38.71	5.34	2.46	0.307	0.095	0.179	0.179	0.095
APVVAAR24_43-U-NA20	95.9	24.9	8.7	128.0	1.24	38.71	18.22	8.00	0.705	0.310	0.606	0.606	0.310
Radio 4460 825+866	19.6	15.7	12.1	108.0	1.24	38.71	2.31	1.78	0.080	0.069	0.084	0.084	0.069
RADIO 4449 871 885A	17.9	13.2	10.5	46.3	1.24	38.71	1.77	1.43	0.069	0.055	0.085	0.085	0.055

Appurtenance Ice Calculations

Model	Size (in)	Height	Width	Depth	Weight (lbs)	K _{iz}	qz (lb/ft ²)	(EPA) _w (ft ²)	(EPA) _z (ft ²)	Front	Side	Wind Force (Kips)		
												Alpha	Beta	Gamma
VV-65A-R1	1.12	55.95	14.35	6.85	82.56	1.12	8.58	6.46	3.52	0.043	0.023	0.038	0.038	0.023
APVVAAR24_43-U-NA20	1.12	98.15	26.25	10.95	264.77	1.12	6.58	20.21	9.84	0.133	0.065	0.116	0.116	0.065
Radio 4460 825+866	1.12	21.85	17.95	24.35	61.59	1.12	6.58	2.94	2.35	0.019	0.015	0.018	0.018	0.015
RADIO 4449 871 885A	1.12	20.16	15.45	12.83	48.45	1.12	6.58	2.33	1.95	0.015	0.013	0.015	0.015	0.013

Round Members

Member	q _z (lb/ft ²)	Ar	C	Wind Calculations				EPA (ft ²)	Load (lb/ft)	Width (in)	Weight (lb/ft)	q _z (lb/ft ²)	Ar/ice	R/ice	Cas	EPA (ft ²)	Load (lb/ft)
Support Pipe	38.71	0.56		46.41	1.04	1.20	0.63	0.016		6.75	0.01	6.58	0.84	1.05	1.20	0.96	0.004
Face	38.71	2.92		36.10	1.04	1.20	9.27	0.013		5.75	0.01	6.58	4.79	1.05	1.20	5.44	0.004

Flat Members

Member Standoff	q _z (lb/ft ²)	Ar	Wind Calculations				Ice Calculations				Load (lb/ft)					
			Cas	EPA	Load (lb/ft)	Width (in)	Weight (lb/ft)	q _z (lb/ft ²)	R/ice	Cas		EPA				
	38.71		0.94	1.25	1.06	0.007			6.25	0.01	6.58	1.47	1.05	1.25	1.74	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Et
VV-65A-R1	23.8	0.200	1.000	0.100	1.000	0.001	0.002
APVVAAR24_43-U-NA20	128.0	0.200	1.000	0.100	1.000	0.005	0.013
Radio 4460 825+866	108.0	0.200	1.000	0.100	1.000	0.004	0.011
RADIO 4449 871 885A	46.3	0.200	1.000	0.100	1.000	0.002	0.005

*EPA values per Wind Tunnel Testing

Version 4.3



Site Number: 207786
 Project Number: 15195627_C8_02
 Carrier: T-Mobile
 Mount Elevation: 105
 Date: 3/25/2025

Monopole Connection Capacity Check

Applied Loads from RISA 3D

Controlling Load Combination		14	
Node Label / Orientation (Degrees)		N2	0
Force in X	F _x	0.0	lbs
Force in Y	F _y	1528.7	lbs
Force in Z	F _z	-386.7	lbs
Moment about X	M _x	-5130.5	lb-ft
Moment about Y	M _y	-454.8	lb-ft
Moment about Z	M _z	-1775.2	lb-ft

Monopole Properties

Monopole Yield Strength	F _y	65	ksi
Pole Thickness	t	0.188	in
Pole Diameter	D	23.90	in
Pole D/t Ratio	D/t	127.46667	

Collar Properties

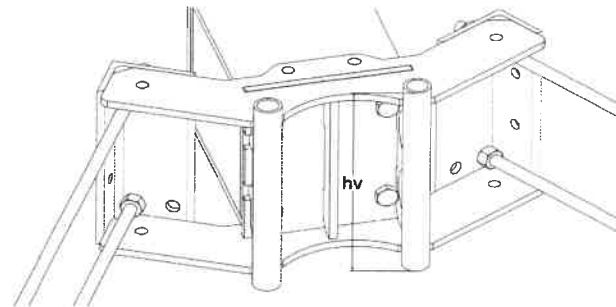
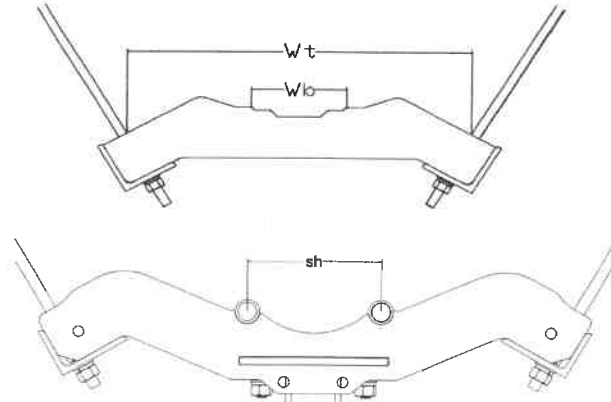
Collar		RM4-HD	
Collar Type		Quad	
Bearing Zone Type		Vertical	
Bearing Point Width	B _p / S _h / W _b	13.20	in
Threaded Rod Width	W _t	25	in
Collar Height	h _v	17	in
Aspect Ratio	AR	0.78	
	C _v	2	

Applied Moment	M _u	5.13	k-ft
Collar / Shaft Capacity	φM _n	18.9	k-ft
Utilization Ratio	M _u /φM _n	27%	Pass

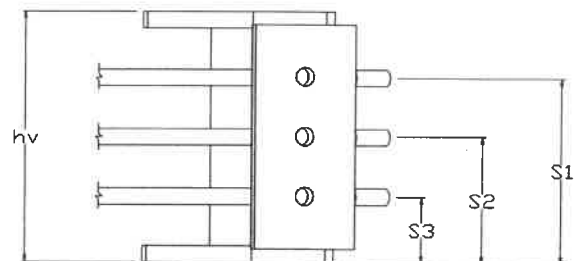
Threaded Rod Properties

Quantity	n	3	
Rod Diameter	D _b	5/8	in
Vertical Rod 1 Spacing	S ₁	15 1/2	in
Vertical Rod 2 Spacing	S ₂	11 1/2	in
Vertical Rod 3 Spacing	S ₃	5 1/2	in
Rod Grade		A429-2	
Rod F _y	F _{yB}	57	ksi
Rod F _u	F _{uB}	74	ksi
Max Applied Tension	T _u	0.94	k
Tensile Strength	φT _n	12.5	k
Utilization Ratio	T _u /φT _n	7%	Pass

TopView



Side View





Site Number:	207786
Project Number:	15195627_C8_02
Carrier:	T-Mobile
Mount Elevation:	105
Date:	3/25/2025

Mount-to-Tower Connection Analysis

Applied Loads from RISA 3D

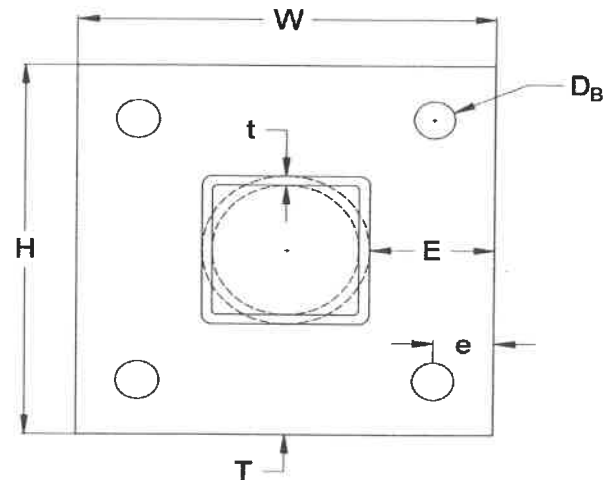
Controlling Load Combination & Orientation		24	0
Node Label		N2	
Force in X	F _x	-234.4	lbs
Force in Y	F _y	1528.7	lbs
Force in Z	F _z	-156.0	lbs
Moment about X	M _x	-5102.9	lb-ft
Moment about Y	M _y	-954.3	lb-ft
Moment about Z	M _z	-1745.3	lb-ft

Bolt Shear and Tensile Capacity

Bolt Quantity	n	4	
Bolt Diameter	D _B	5/8	in
Bolt Horz. Edge Distance	e _h	1	in
Bolt Vert. Edge Distance	e _v	1	in
Bolt Grade		A325	
Bolt F _y	F _{yB}	92	ksi
Bolt F _u	F _{uB}	120	ksi
Applied Shear	V _u	0.08	k
Applied Tension	T _u	5.83	k
Tensile Strength	φT _n	20.3	k
Shear Strength	φV _n	13.8	k
Interaction Capacity	(V _u /φV _n) ² + (T _u /φT _n) ²	29%	Pass

Plate Flexural Capacity

Plate Height	H	8	in
Plate Width	W	8	in
Plate Thickness	T	5/8	in
Plate Grade		A36	
Plate F _y	F _{yP}	36	ksi
Plate F _u	F _{uP}	58	ksi
Shear Capacity	φV _n	44.1	k
Applied Moment	M _u	7.1	k-in
Flexural Strength	φM _n	10.7	k-in
Flexural Capacity	M _u /φM _n	67%	Pass

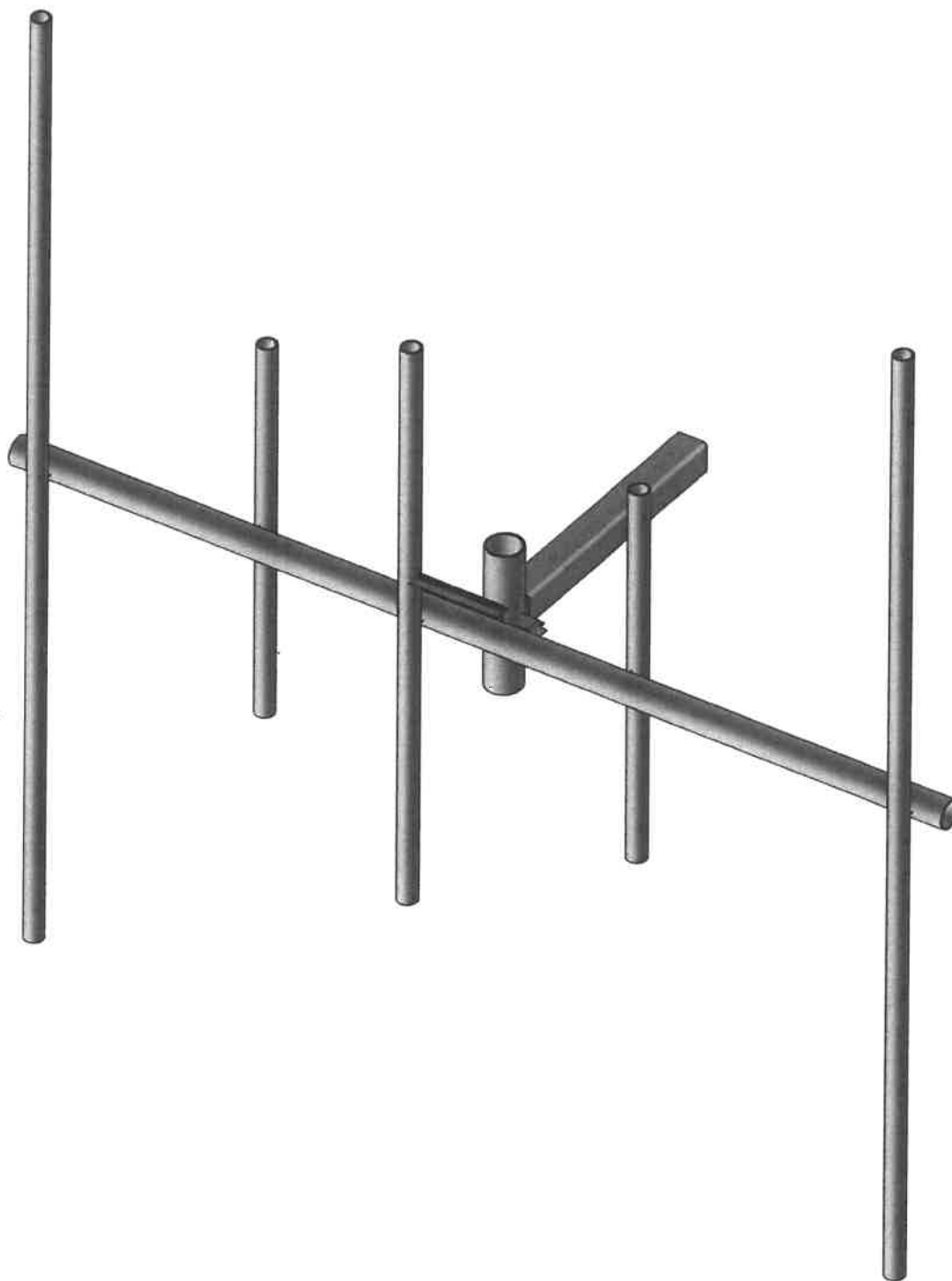
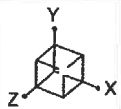


Weld Capacity

Standoff Type		Tube
Standoff Member		HSS4x4x4
Member Edge Distance	E	2 in
Member Height	h	4 in
Member Width	w	4 in
Member Thickness	t	0.250 in
Member Grade		A500 Gr. B
Member F _y	F _{yM}	42 ksi
Member F _u	F _{uM}	58 ksi
Weld Size	a	1/4 in
Weld Section Modulus	S	3.4 in ³
Applied Weld Stress	σ _u	18.8 ksi
Capacity Weld Stress	φσ _n	31.5 ksi
Weld Capacity	σ _u /φσ _n	60% Pass
Minimum Base Metal Thickness		0.213 in
Controlling Base Metal Thickness		0.250 in
Base Metal Result		Acceptable

Prying Action Considerations

Moment Arm	b	1.23 in	Minimum Thickness	t _{min}	0.26 in
Effective Moment Arm	b'	0.91 in	No Prying Thickness	t _{np}	0.35 in
Tributary Length	p	3.39 in	Min Bolt Strength Thickness	t _c	0.65 k-in
Effective Edge Distance	a'	1.31 in	Prying Action Bolt Tension	T _{up}	0.00 k



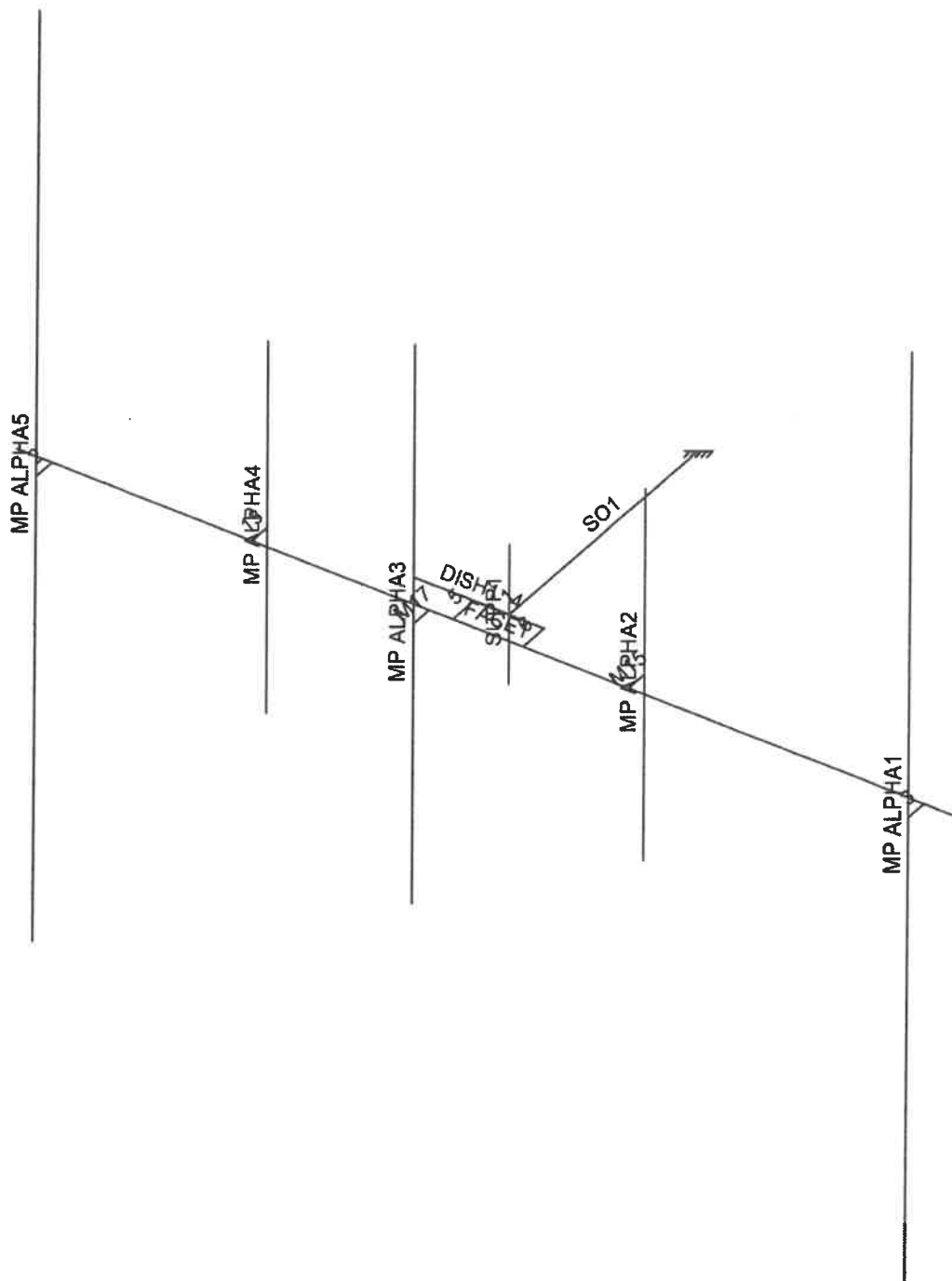
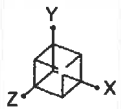
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RC
25-180614

207786

SK-1

Mar 25, 2025 at 12:24 PM

207786 - ATC.r3d



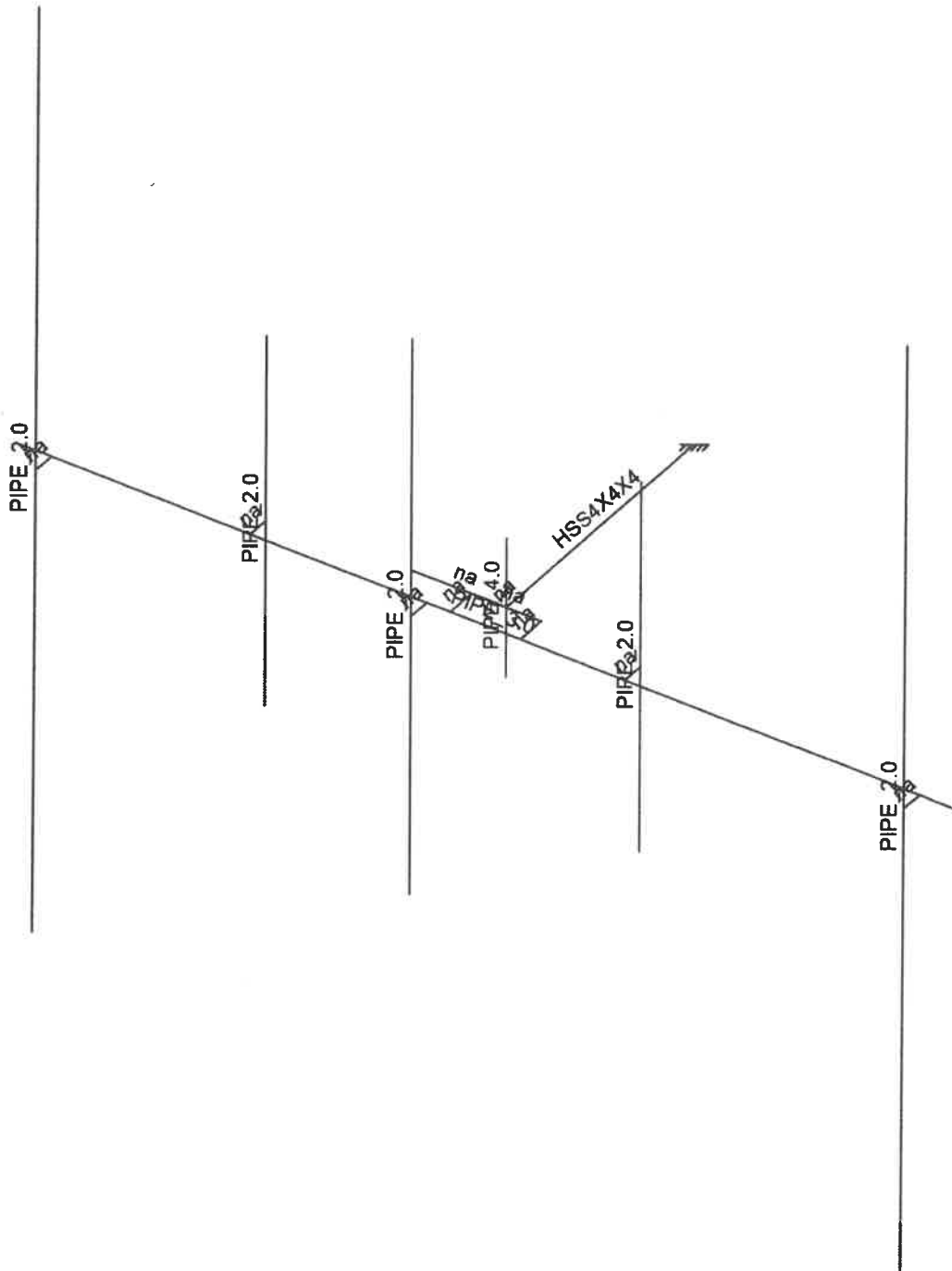
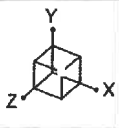
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207786

SK-2

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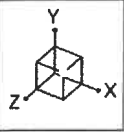
207786 - ATC.r3d



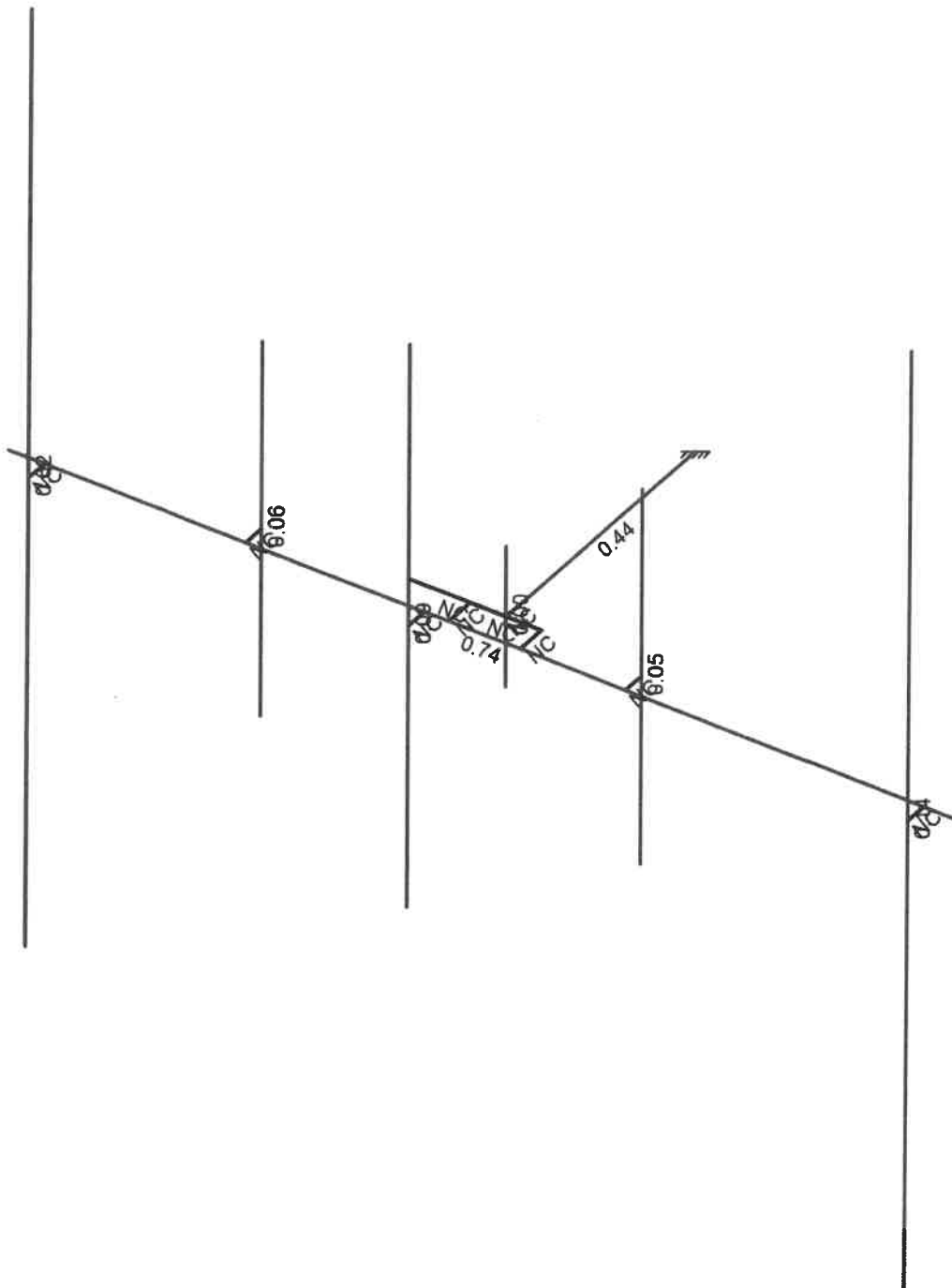
POD Group
RC
25-180614

207786

SK-3
Mar 25, 2025 at 12:25 PM
207786 - ATC.r3d

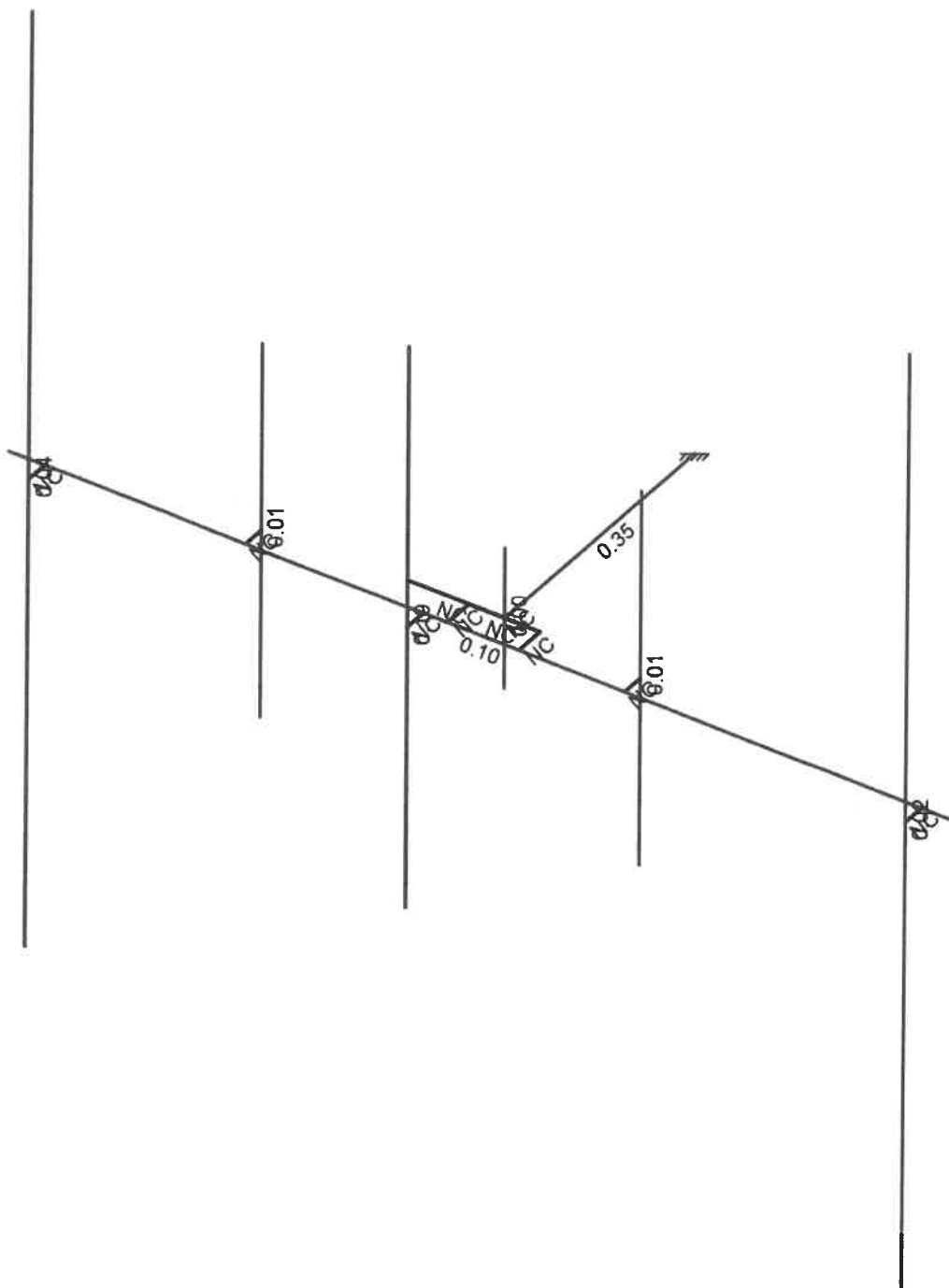
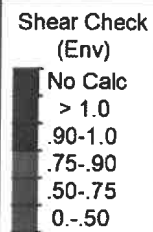
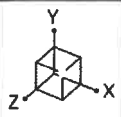


Code Check (Env)	
	No Calc
	> 1.0
	.90-1.0
	.75-.90
	.50-.75
	0-.50



Member Code Checks Displayed (Enveloped)

	POD Group	207786	SK-5
	RC		Mar 25, 2025 at 12:25 PM
	25-180614		207786 - ATC.r3d



Member Shear Checks Displayed (Enveloped)



POD Group
RC
25-180614

207786

SK-6

Mar 25, 2025 at 12:25 PM

207786 - ATC.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Point	Distributed
1	Wind Load (0)	DL				9	8
2	Dead Load	DL		-1.1		7	
3	Wind Load (30)	DL				15	16
4	Wind Load (60)	DL				15	16
5	Wind Load (90)	DL				9	8
6	Wind Load (120)	DL				15	16
7	Wind Load (150)	DL				15	16
8	Wind Load (180)	DL				9	8
9	Wind Load (210)	DL				15	16
10	Wind Load (240)	DL				15	16
11	Wind Load (270)	DL				9	8
12	Wind Load (300)	DL				15	16
13	Wind Load (330)	DL				15	16
14	Maintenance (0)	DL				9	8
15	Maintenance (30)	DL				15	16
16	Maintenance (60)	DL				15	16
17	Maintenance (90)	DL				9	8
18	Maintenance (120)	DL				15	16
19	Maintenance (150)	DL				15	16
20	Maintenance (180)	DL				9	8
21	Maintenance (210)	DL				15	16
22	Maintenance (240)	DL				15	16
23	Maintenance (270)	DL				9	8
24	Maintenance (300)	DL				15	16
25	Maintenance (330)	DL				15	16
26	Ice Dead Load	DL				7	8
27	Ice Wind Load(0)	DL				9	8
28	Ice Wind Load(30)	DL				15	16
29	Ice Wind Load(60)	DL				15	16
30	Ice Wind Load(90)	DL				9	8
31	Ice Wind Load(120)	DL				15	16
32	Ice Wind Load(150)	DL				15	16
33	Ice Wind Load(180)	DL				9	8
34	Ice Wind Load(210)	DL				15	16
35	Ice Wind Load(240)	DL				15	16
36	Ice Wind Load(270)	DL				9	8
37	Ice Wind Load(300)	DL				15	16
38	Ice Wind Load(330)	DL				15	16
39	Earthquake (x-direction)	DL	-0.059			7	
40	Earthquake (y-direction)	DL		-0.023		7	
41	Earthquake (z-direction)	DL			0.059	7	
42	Live Load (Lm(1))	DL				1	
43	Live Load (Lm(2))	DL				1	
44	Live Load (Lm(3))	DL				1	
45	Live Load (Lm(4))	DL				1	
46	Live Load (Lv(1))	DL				1	
47	Live Load (Lv(2))	DL				1	
48	Live Load (Lv(3))	DL				1	
49	Live Load (Lv(4))	DL				1	
50	Live Load (Lv(5))	DL				1	
51	Live Load (Lv(6))	DL				1	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor
1	1.4D	Yes	Y	2	1.4				
2	1.2D + 1.0W(0)	Yes	Y	2	1.2	1	1		
3	1.2D + 1.0W(30)	Yes	Y	2	1.2	3	1		
4	1.2D + 1.0W(60)	Yes	Y	2	1.2	4	1		
5	1.2D + 1.0W(90)	Yes	Y	2	1.2	5	1		
6	1.2D + 1.0W(120)	Yes	Y	2	1.2	6	1		
7	1.2D + 1.0W(150)	Yes	Y	2	1.2	7	1		
8	1.2D + 1.0W(180)	Yes	Y	2	1.2	8	1		
9	1.2D + 1.0W(210)	Yes	Y	2	1.2	9	1		
10	1.2D + 1.0W(240)	Yes	Y	2	1.2	10	1		
11	1.2D + 1.0W(270)	Yes	Y	2	1.2	11	1		
12	1.2D + 1.0W(300)	Yes	Y	2	1.2	12	1		
13	1.2D + 1.0W(330)	Yes	Y	2	1.2	13	1		
14	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y	2	1.2	26	1	27	1
15	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y	2	1.2	26	1	28	1
16	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y	2	1.2	26	1	29	1
17	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y	2	1.2	26	1	30	1
18	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y	2	1.2	26	1	31	1
19	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y	2	1.2	26	1	32	1
20	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y	2	1.2	26	1	33	1
21	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y	2	1.2	26	1	34	1
22	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y	2	1.2	26	1	35	1
23	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y	2	1.2	26	1	36	1
24	1.2D + 1.0Di + 1.0Wi(300)	Yes	Y	2	1.2	26	1	37	1
25	1.2D + 1.0Di + 1.0Wi(330)	Yes	Y	2	1.2	26	1	38	1
26	1.2D + 1.0E(x) + 1.0E(y)	Yes	Y	2	1.2	39	1	40	1
27	1.2D + 1.0E(z) + 1.0E(y)	Yes	Y	2	1.2	41	1	40	1
28	1.2D - 1.0E(x) + 1.0E(y)	Yes	Y	2	1.2	39	-1	40	1
29	1.2D - 1.0E(z) + 1.0E(y)	Yes	Y	2	1.2	41	-1	40	1
30	1.2D + 1.5Lm(1) + 1.0Wi(0)	Yes	Y	2	1.2	42	1.5	14	1
31	1.2D + 1.5Lm(1) + 1.0Wi(30)	Yes	Y	2	1.2	42	1.5	15	1
32	1.2D + 1.5Lm(1) + 1.0Wi(60)	Yes	Y	2	1.2	42	1.5	16	1
33	1.2D + 1.5Lm(1) + 1.0Wi(90)	Yes	Y	2	1.2	42	1.5	17	1
34	1.2D + 1.5Lm(1) + 1.0Wi(120)	Yes	Y	2	1.2	42	1.5	18	1
35	1.2D + 1.5Lm(1) + 1.0Wi(150)	Yes	Y	2	1.2	42	1.5	19	1
36	1.2D + 1.5Lm(1) + 1.0Wi(180)	Yes	Y	2	1.2	42	1.5	20	1
37	1.2D + 1.5Lm(1) + 1.0Wi(210)	Yes	Y	2	1.2	42	1.5	21	1
38	1.2D + 1.5Lm(1) + 1.0Wi(240)	Yes	Y	2	1.2	42	1.5	22	1
39	1.2D + 1.5Lm(1) + 1.0Wi(270)	Yes	Y	2	1.2	42	1.5	23	1
40	1.2D + 1.5Lm(1) + 1.0Wi(300)	Yes	Y	2	1.2	42	1.5	24	1
41	1.2D + 1.5Lm(1) + 1.0Wi(330)	Yes	Y	2	1.2	42	1.5	25	1
42	1.2D + 1.5Lm(2) + 1.0Wi(0)	Yes	Y	2	1.2	43	1.5	14	1
43	1.2D + 1.5Lm(2) + 1.0Wi(30)	Yes	Y	2	1.2	43	1.5	15	1
44	1.2D + 1.5Lm(2) + 1.0Wi(60)	Yes	Y	2	1.2	43	1.5	16	1
45	1.2D + 1.5Lm(2) + 1.0Wi(90)	Yes	Y	2	1.2	43	1.5	17	1
46	1.2D + 1.5Lm(2) + 1.0Wi(120)	Yes	Y	2	1.2	43	1.5	18	1
47	1.2D + 1.5Lm(2) + 1.0Wi(150)	Yes	Y	2	1.2	43	1.5	19	1
48	1.2D + 1.5Lm(2) + 1.0Wi(180)	Yes	Y	2	1.2	43	1.5	20	1
49	1.2D + 1.5Lm(2) + 1.0Wi(210)	Yes	Y	2	1.2	43	1.5	21	1
50	1.2D + 1.5Lm(2) + 1.0Wi(240)	Yes	Y	2	1.2	43	1.5	22	1
51	1.2D + 1.5Lm(2) + 1.0Wi(270)	Yes	Y	2	1.2	43	1.5	23	1
52	1.2D + 1.5Lm(2) + 1.0Wi(300)	Yes	Y	2	1.2	43	1.5	24	1
53	1.2D + 1.5Lm(2) + 1.0Wi(330)	Yes	Y	2	1.2	43	1.5	25	1
54	1.2D + 1.5Lm(3) + 1.0Wi(0)	Yes	Y	2	1.2	44	1.5	14	1
55	1.2D + 1.5Lm(3) + 1.0Wi(30)	Yes	Y	2	1.2	44	1.5	15	1

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor
56	1.2D + 1.5Lm(3) + 1.0Wl(60)	Yes	Y	2	1.2	44	1.5	16	1
57	1.2D + 1.5Lm(3) + 1.0Wl(90)	Yes	Y	2	1.2	44	1.5	17	1
58	1.2D + 1.5Lm(3) + 1.0Wl(120)	Yes	Y	2	1.2	44	1.5	18	1
59	1.2D + 1.5Lm(3) + 1.0Wl(150)	Yes	Y	2	1.2	44	1.5	19	1
60	1.2D + 1.5Lm(3) + 1.0Wl(180)	Yes	Y	2	1.2	44	1.5	20	1
61	1.2D + 1.5Lm(3) + 1.0Wl(210)	Yes	Y	2	1.2	44	1.5	21	1
62	1.2D + 1.5Lm(3) + 1.0Wl(240)	Yes	Y	2	1.2	44	1.5	22	1
63	1.2D + 1.5Lm(3) + 1.0Wl(270)	Yes	Y	2	1.2	44	1.5	23	1
64	1.2D + 1.5Lm(3) + 1.0Wl(300)	Yes	Y	2	1.2	44	1.5	24	1
65	1.2D + 1.5Lm(3) + 1.0Wl(330)	Yes	Y	2	1.2	44	1.5	25	1
66	1.2D + 1.5Lm(4) + 1.0Wl(0)	Yes	Y	2	1.2	45	1.5	14	1
67	1.2D + 1.5Lm(4) + 1.0Wl(30)	Yes	Y	2	1.2	45	1.5	15	1
68	1.2D + 1.5Lm(4) + 1.0Wl(60)	Yes	Y	2	1.2	45	1.5	16	1
69	1.2D + 1.5Lm(4) + 1.0Wl(90)	Yes	Y	2	1.2	45	1.5	17	1
70	1.2D + 1.5Lm(4) + 1.0Wl(120)	Yes	Y	2	1.2	45	1.5	18	1
71	1.2D + 1.5Lm(4) + 1.0Wl(150)	Yes	Y	2	1.2	45	1.5	19	1
72	1.2D + 1.5Lm(4) + 1.0Wl(180)	Yes	Y	2	1.2	45	1.5	20	1
73	1.2D + 1.5Lm(4) + 1.0Wl(210)	Yes	Y	2	1.2	45	1.5	21	1
74	1.2D + 1.5Lm(4) + 1.0Wl(240)	Yes	Y	2	1.2	45	1.5	22	1
75	1.2D + 1.5Lm(4) + 1.0Wl(270)	Yes	Y	2	1.2	45	1.5	23	1
76	1.2D + 1.5Lm(4) + 1.0Wl(300)	Yes	Y	2	1.2	45	1.5	24	1
77	1.2D + 1.5Lm(4) + 1.0Wl(330)	Yes	Y	2	1.2	45	1.5	25	1
78	1.2D + 1.5Lv(1)	Yes	Y	2	1.2	46	1.5		
79	1.2D + 1.5Lv(2)	Yes	Y	2	1.2	47	1.5		
80	1.2D + 1.5Lv(3)	Yes	Y	2	1.2	48	1.5		
81	1.2D + 1.5Lv(4)	Yes	Y	2	1.2	49	1.5		
82	1.2D + 1.5Lv(5)	Yes	Y	2	1.2	50	1.5		
83	1.2D + 1.5Lv(6)	Yes	Y	2	1.2	51	1.5		

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	1	N3	N4		RIGID	None	None	RIGID	Typical
2	2	N39A	N37A		RIGID	None	None	RIGID	Typical
3	3	N40A	N38A		RIGID	None	None	RIGID	Typical
4	4	N19	N20		RIGID	None	None	RIGID	Typical
5	5	N19	N22		RIGID	None	None	RIGID	Typical
6	6	N20	N23		RIGID	None	None	RIGID	Typical
7	13	N36	N35		RIGID	None	None	RIGID	Typical
8	DISH1	N29	N28		RIGID	None	None	RIGID	Typical
9	FACE1	N8	N9		PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
10	M15	N24	N27		RIGID	None	None	RIGID	Typical
11	M17	N31	N30		RIGID	None	None	RIGID	Typical
12	MP ALPHA1	N42A	N44		PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
13	MP ALPHA2	N25	N26	180	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
14	MP ALPHA3	N32	N33		PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
15	MP ALPHA4	N37	N38	180	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
16	MP ALPHA5	N41A	N43		PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
17	SO1	N2	N3		HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
18	SUPP1	N6	N5		PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [$10^{-6} F^{-1}$]	Density [k/ft ³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
7	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
8	Q235	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Y Rot [k-ft/rad]	Z Rot [k-ft/rad]
1	N2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Advanced Data

	Label	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
1	1		Yes	** NA **	None
2	2		Yes	** NA **	None
3	3		Yes	** NA **	None
4	4		Yes	** NA **	None
5	5		Yes	** NA **	None
6	6		Yes	** NA **	None
7	13		Yes	** NA **	None
8	DISH1		Yes	** NA **	None
9	FACE1		Yes	N/A	None
10	M15		Yes	** NA **	None
11	M17		Yes	** NA **	None
12	MP ALPHA1		Yes	N/A	None
13	MP ALPHA2		Yes	Default	None
14	MP ALPHA3		Yes	Default	None
15	MP ALPHA4		Yes	Default	None
16	MP ALPHA5		Yes	Default	None
17	SO1		Yes	N/A	None
18	SUPP1		Yes	N/A	None

Hot Rolled Steel Design Parameters

	Label	Shape	Length [ft]	Lb y-y [ft]	Lb z-z [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
1	FACE1	PIPE 3.0	10			Lbyy	N/A	N/A	Lateral
2	MP ALPHA1	PIPE 2.0	10				N/A	N/A	Lateral
3	MP ALPHA2	PIPE 2.0	4				N/A	N/A	Lateral
4	MP ALPHA3	PIPE 2.0	6			Lbyy	N/A	N/A	Lateral
5	MP ALPHA4	PIPE 2.0	4				N/A	N/A	Lateral
6	MP ALPHA5	PIPE 2.0	10			Lbyy	N/A	N/A	Lateral
7	SO1	HSS4X4X4	2.833	Segment	Segment	Lbyy	N/A	N/A	Lateral
8	SUPP1	PIPE 4.0	1.5			Lbyy	N/A	N/A	Lateral

Envelope Node Reactions

	Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N2	max	937.469	5	1528.733	22	1729.987	8	-2027.549	8	3925.807	7	2632.945	39
2		min	-937.469	11	709.735	3	-1656.988	2	-5130.497	14	-4240.436	13	-4328.558	69



Company : POD Group
 Designer : RC
 Job Number : 25-180614
 Model Name : 207786

3/25/2025
 12:26:03 PM
 Checked By : _____

Envelope Node Reactions (Continued)

Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
3 Totals:	max	937.469	5	1528.733	22	1729.987	8						
4	min	-937.469	11	709.735	3	-1656.988	2						

Envelope AISC 15TH (360-16): LRFD Member Steel Code Checks

Member	Shape	Code Check	Loc [ft]	LC	Shear Check	Loc [ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Eqn
1 FACE1	PIPE 3.0	0.743	5.526	57	0.103	5.526		8	38176.7	65205	5748.75	5748.75	1	H1-1b
2 MP ALPHA5	PIPE 2.0	0.624	5	2	0.041	5		2	9836.597	32130	1871.625	1871.625	1	H1-1b
3 SO1	HSS4X4X4	0.444	0	77	0.354	0	y	69	134908.476	139518	16180.5	16180.5	1.505	H3-6
4 MP ALPHA1	PIPE 2.0	0.14	5	8	0.015	5		2	9836.597	32130	1871.625	1871.625	1	H1-1b
5 MP ALPHA3	PIPE 2.0	0.086	3	10	0.19	3		6	20866.733	32130	1871.625	1871.625	1	H1-1b
6 MP ALPHA4	PIPE 2.0	0.059	2	2	0.011	2		2	26521.424	32130	1871.625	1871.625	1	H1-1b
7 MP ALPHA2	PIPE 2.0	0.047	2	2	0.009	2		2	26521.424	32130	1871.625	1871.625	1	H1-1b
8 SUPP1	PIPE 4.0	0	0.75	24	0.001	0.75		5	92571.332	93240	10631.25	10631.25	1	H1-1b*



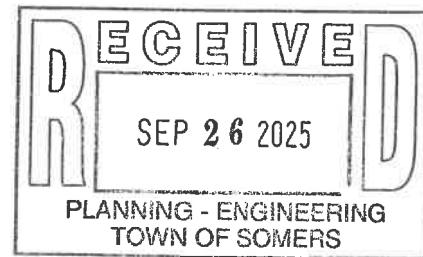
Structural Analysis Report

Structure : 129 ft Monopine
ATC Asset Name : Amawalk
ATC Asset Number : 207786
Engineering Number : 15195627_C3_01
Proposed Carrier : T-MOBILE
Carrier Site Name : NY09122A
Carrier Site Number : NY09122A
Site Location : 2580 Route 35
Katonah, NY 10536
41.2824° N, 73.75° W
County : Westchester
Date : March 10, 2025
Max Usage : 100%
Analysis Result : Pass

Created By:

Lucas Tait
Structural Engineer II

A handwritten signature in black ink, appearing to read 'L Tait'.



Michael
Berger

Digitally signed
by Michael Berger
Date: 2025.03.10
14:12:31 -04'00'

COA: #0012746



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 129 ft Monopine tower to reflect the change in loading by T-MOBILE.

Supporting Documents

Tower:	Sabre Job #59010, dated May 18, 2012
Foundation:	Sabre Job #59010, dated May 14, 2012
Geotechnical:	Tectonic W.O. #4506.N-575, dated February 23, 2012

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	114 mph (3-second gust)
Basic Wind Speed w/ Ice:	47 mph (3-second gust) w/ 1.00" radial ice concurrent
Code(s):	ANSI/TIA-222-I / 2018 IBC / 2020 New York Building Code
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	$S_{os} = 0.20$, $S_{o1} = 0.07$
Site Class:	Default

**Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222, ANNEX-S*

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact Engineering@americantower.com. Please include the American Tower asset name, asset number, and engineering number in the subject line for any questions.



T-MOBILE Final Loading

Elev (ft)	Qty	Equipment	Lines
105.0	1	RFS SC2-W100AC	(1) 1/2" Coax (4) 2.00" (50.8mm) Hybrid
	4	Commscope VV-65A-R1	
	4	Ericsson Radio 4449 B71 B85A	
	4	Ericsson Radio 4460 B25+B66	
	4	T-Arm	
	4	RFS APXVAARR24 43-U-NA20	

Install proposed lines inside the pole shaft.

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines
128.0	-	-	(1) 1 5/8" Coax (2) 2" Carflex Non-Metallic Conduit
127.1	1	24" x 24" Junction Box	-
127.0	2	Raycap DC6-48-60-18-8F	(2) 0.51" (13mm) Hybrid (4) 0.76" (19.2mm) 8 AWG 6 (12) 1 5/8" Coax (2) 2" conduit
	3	Alcatel-Lucent B25 RRH4x30-4R	
	3	Alcatel-Lucent B5 RRH4x30	
	3	Alcatel-Lucent RRH2x40-07-L (20.5" Height)	
	3	Alcatel-Lucent RRH4x25-WCS-4R	
	3	Andrew DBXNH-6565A-A2M	
	3	Commscope SBNHH-1D65A	
	3	Light Sector Frame	
	6	Andrew ETD819HS12UB	
	6	Andrew ETM190G-12UB	
120.9	6	Commscope NNHH-65A-R4 (83.8 lbs)	-
	2	Raycap RxxDC-3315-PF-48 (32 lbs)	
120.1	4	PCTEL GPS-TMG-HR-26N	-
120.0	-	-	(4) 1/2" Coax
118.8	3	Samsung MT6413-77A	-
118.0	-	-	(2) 1 5/8" Hybriflex
117.9	3	Nokia AirScale Dual RRH 4T4R B5/B13 160W AHBCA	-
117.8	3	Commscope NHH-65A-R2B	-
117.7	3	Commscope NHHSS-65A-R2B	-
117.6	3	Nokia Aircscale Dual RRH 4T4R B2/B66 320W	-
117.5	3	Amphenol Antel BXA-70080-4CF-EDIN-X	-
117.4	3	Amphenol Antel BXA-171085-8CF	-
117.0	3	T-Arm	(3) 1 1/4" Hybriflex Cable (4) 1/2" Coax
	3	PCTEL GPS-TMG-HR-26N	
	3	Raycap RxxDC-3315-PF-48	
	3	Samsung RF4461d-13A	
	3	Samsung RF4801d-25B	
	6	JMA Wireless MX06FHG665-HG	
94.0	1	Raycap RDIDC-9181-PF-48	(1) 1.75" (44.5mm) Hybrid
	3	Fujitsu TA08025-B604	
	3	Fujitsu TA08025-B605	
	3	T-Arm	



Standard Conditions

All engineering services performed by A.T. Engineering Services, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts, and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Services, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Services, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Services, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627_C3_01

ANALYSIS PARAMETERS

Location:	Westchester County, NY	Height:	129 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	55.77 in
Manufacturer:	Sabre	Top Diameter:	16.00 in
K _d (non-service):	0.95	Taper:	0.3170 in/ft
K _e :	0.99	Rotation:	0.000°

ICE & WIND PARAMETERS

Risk Category:	II	Design Wind Speed:	111 mph
Exposure Category:	C	Design Wind Speed w/ Ice:	46 mph
Design Ice Thickness:	0.85 in		
Topo Factor Procedure:	Method 1		
Crest Height(H):	0 ft	Service Wind Speed:	60 mph
Crest Length(L):	0 ft	HMSL:	348.00 ft
Feature:	Flat	Distance from Apex (x):	0 ft
		Upwind/Downwind:	

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method	Period Based on Rayleigh Method (sec):	2.05
Site Class:	Default		
T _L (sec):	6	P:	1
S _{ds} :	0.200	S _{d1} :	0.071
		C _s :	0.030
		C _s Max:	0.030
		C _s Min:	0.030

LOAD CASES

1.2D + 1.0W	111.11 mph Wind with No Ice
0.9D + 1.0W	111.11 mph Wind with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	45.81 mph Wind with 0.85" Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice
1.2D + 1.0Ev + 1.5Eh	Seismic Overstrength
0.9D - 1.0Ev + 1.5Eh	Seismic Overstrength (Reduced DL)

ASSET: 207786, Amawalk
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
 PROJECT: 15195627 C3 01

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
71.50	Branches (13' Max)	1	1.00	0.000	650.00	72.200	1.00	888.51	98.693	1.00
66.50	Branches (13' Max)	1	1.00	0.000	650.00	72.200	1.00	886.77	98.500	1.00
61.50	Branches (14' Max)	1	1.00	0.000	700.00	77.800	1.00	953.14	105.935	1.00
60.80	Branches (14' Max)	1	1.00	0.000	150.00	16.700	1.00	204.18	22.732	1.00
Totals		Row Count: 54		140	19,383.10			32,667.20		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

Elev From (ft)	Elev To (ft)	Qty	Description	Diameter (in)	Weight (lb/ft)	Flat	Max/ Row	Distance Between Rows (in)	Distance Between Cols (in)	Azimuth (deg)	Distance From Face (in)	Exposed To Wind	Carrier
0.00	128.00	2	2" Carflex Non-Metall	2.36	0.68	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	128.00	1	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	127.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	127.00	4	0.76" (19.2mm) 8 AWG	0.76	0.53	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	127.00	2	0.51" (13mm) Hybrid	0.51	0.14	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	127.00	2	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	120.00	4	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	118.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	117.00	4	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	117.00	3	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	105.00	4	2.00" (50.8mm) Hybrid	2	3.09	N	0	0	0	0	0	N	T-MOBILE
0.00	105.00	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	T-MOBILE
0.00	94.00	1	1.75" (44.5mm) Hybrid	1.75	2.72	N	0	0	0	0	0	N	DISH WIRELESS L.L.C.

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627_C3_01

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description (Max Length: 5 ft)	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)
Total:											19,847.5

CALCULATED FORCES

Load Case: 1.2D + 1.0W

111.11 mph Wind with No Ice

26 Iterations

Gust Response Factor: 1.10
Dead Load Factor: 1.20
Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-53.13	-52.15	0.00	-4,860.1	0.00	4,860.08	5,327.14	1,348.42	6,739.13	6,064.67	0	0	0.813
5.00	-51.11	-51.89	0.00	-4,599.3	0.00	4,599.32	5,225.00	1,309.80	6,358.61	5,776.66	0.12	-0.23	0.808
10.00	-49.14	-51.63	0.00	-4,339.9	0.00	4,339.87	5,119.89	1,271.17	5,989.13	5,492.17	0.49	-0.46	0.801
15.00	-47.20	-51.37	0.00	-4,081.7	0.00	4,081.71	5,011.80	1,232.54	5,630.72	5,211.49	1.1	-0.7	0.794
20.00	-45.31	-51.10	0.00	-3,824.8	0.00	3,824.85	4,900.74	1,193.91	5,283.37	4,934.93	1.96	-0.95	0.786
25.00	-43.46	-50.81	0.00	-3,569.4	0.00	3,569.35	4,786.70	1,155.29	4,947.07	4,662.76	3.1	-1.2	0.777
30.00	-41.66	-50.51	0.00	-3,315.3	0.00	3,315.29	4,669.68	1,116.66	4,621.83	4,395.29	4.5	-1.47	0.765
35.00	-39.89	-50.20	0.00	-3,062.7	0.00	3,062.74	4,549.68	1,078.03	4,307.65	4,132.81	6.18	-1.73	0.752
40.00	-38.17	-49.89	0.00	-2,811.7	0.00	2,811.72	4,400.15	1,039.40	4,004.52	3,852.36	8.14	-2.01	0.741
45.00	-36.55	-49.64	0.00	-2,562.3	0.00	2,562.27	4,236.62	1,000.78	3,712.46	3,569.95	10.4	-2.29	0.729
47.50	-35.73	-49.48	0.00	-2,438.2	0.00	2,438.18	4,154.86	981.46	3,570.57	3,432.77	11.64	-2.44	0.721
50.00	-34.40	-49.27	0.00	-2,314.5	0.00	2,314.49	4,073.10	962.15	3,431.45	3,298.29	12.95	-2.58	0.713
53.25	-32.77	-49.06	0.00	-2,154.4	0.00	2,154.36	3,430.01	820.15	2,908.75	2,766.39	14.78	-2.77	0.792
55.00	-32.18	-48.87	0.00	-2,068.5	0.00	2,068.50	3,394.27	808.56	2,827.14	2,698.52	15.82	-2.88	0.780
60.00	-30.86	-48.66	0.00	-1,824.2	0.00	1,824.15	3,282.75	775.45	2,600.38	2,501.97	19	-3.2	0.742
60.80	-30.49	-47.98	0.00	-1,785.2	0.00	1,785.22	3,260.32	770.16	2,564.98	2,467.73	19.55	-3.25	0.737
61.50	-29.56	-44.95	0.00	-1,751.6	0.00	1,751.63	3,240.70	765.52	2,534.20	2,437.97	20.03	-3.3	0.731
65.00	-28.65	-44.77	0.00	-1,594.3	0.00	1,594.32	3,142.59	742.34	2,383.10	2,291.85	22.53	-3.52	0.708
66.50	-27.60	-41.87	0.00	-1,527.2	0.00	1,527.17	3,100.54	732.41	2,319.76	2,230.62	23.65	-3.62	0.697
70.00	-26.72	-41.69	0.00	-1,380.6	0.00	1,380.64	3,002.42	709.23	2,175.29	2,090.96	26.39	-3.84	0.673
71.50	-25.71	-38.74	0.00	-1,318.1	0.00	1,318.11	2,960.37	699.30	2,114.80	2,032.48	27.61	-3.94	0.660
75.00	-24.88	-38.56	0.00	-1,182.5	0.00	1,182.54	2,862.26	676.12	1,976.97	1,899.27	30.59	-4.16	0.635
76.50	-23.96	-35.78	0.00	-1,124.7	0.00	1,124.71	2,820.21	666.19	1,919.32	1,843.56	31.91	-4.26	0.621
80.00	-23.16	-35.60	0.00	-999.5	0.00	999.48	2,722.10	643.02	1,788.12	1,716.80	35.11	-4.48	0.594
81.50	-22.27	-32.79	0.00	-946.1	0.00	946.08	2,680.05	633.08	1,733.31	1,663.86	36.53	-4.57	0.580
85.00	-21.52	-32.61	0.00	-831.3	0.00	831.33	2,581.94	609.91	1,608.75	1,543.55	39.96	-4.78	0.550
86.50	-20.70	-30.97	0.00	-782.4	0.00	782.42	2,539.89	599.97	1,556.79	1,493.37	41.48	-4.87	0.535
89.25	-20.13	-30.84	0.00	-697.2	0.00	697.24	2,462.80	581.76	1,463.74	1,403.52	44.33	-5.04	0.508
90.00	-19.91	-30.77	0.00	-674.1	0.00	674.11	2,441.77	576.80	1,438.86	1,379.51	45.13	-5.08	0.500
91.50	-19.10	-28.38	0.00	-628.0	0.00	627.96	2,399.72	566.86	1,389.74	1,332.09	46.74	-5.17	0.482
93.25	-18.64	-28.28	0.00	-578.3	0.00	578.30	1,064.87	283.51	695.12	595.34	48.65	-5.27	0.999
94.00	-16.81	-26.28	0.00	-557.1	0.00	557.10	1,059.33	281.03	683.00	587.02	49.48	-5.31	0.974
95.00	-16.64	-26.23	0.00	-530.8	0.00	530.82	1,051.84	277.72	667.00	575.95	50.6	-5.42	0.946
96.50	-15.90	-24.80	0.00	-491.5	0.00	491.48	1,040.39	272.75	643.36	559.42	52.33	-5.57	0.902
100.00	-15.43	-24.66	0.00	-404.7	0.00	404.68	1,012.62	261.16	589.86	521.20	56.54	-5.91	0.801
101.50	-14.82	-22.45	0.00	-367.7	0.00	367.69	1,000.28	256.20	567.64	504.98	58.41	-6.05	0.751
105.00	-10.99	-18.43	0.00	-289.1	0.00	289.13	970.43	244.61	517.46	467.58	62.95	-6.34	0.635
106.50	-10.29	-17.57	0.00	-261.5	0.00	261.48	957.19	239.64	496.66	451.76	64.96	-6.46	0.595
110.00	-9.95	-17.43	0.00	-200.0	0.00	199.97	925.26	228.05	449.79	415.40	69.79	-6.72	0.498
111.50	-9.45	-15.15	0.00	-173.8	0.00	173.83	911.12	223.09	430.42	400.08	71.91	-6.82	0.449
115.00	-9.13	-15.01	0.00	-120.8	0.00	120.80	877.11	211.50	386.87	364.96	76.98	-7.02	0.346
116.50	-8.49	-14.19	0.00	-98.3	0.00	98.29	862.08	206.53	368.92	350.21	79.19	-7.09	0.295
117.00	-6.61	-11.66	0.00	-91.2	0.00	91.20	857.01	204.88	363.03	345.33	79.93	-7.12	0.275
117.40	-6.57	-11.45	0.00	-86.5	0.00	86.53	852.94	203.55	358.35	341.45	80.53	-7.13	0.264
117.50	-6.55	-11.18	0.00	-85.4	0.00	85.39	851.91	203.22	357.19	340.48	80.68	-7.14	0.261
117.60	-6.33	-10.96	0.00	-84.3	0.00	84.27	850.89	202.89	356.02	339.51	80.83	-7.14	0.259
117.70	-6.24	-10.53	0.00	-83.2	0.00	83.17	849.87	202.56	354.86	338.54	80.98	-7.15	0.256
117.80	-6.16	-10.10	0.00	-81.8	0.00	81.78	848.84	202.23	353.70	337.57	81.13	-7.15	0.252
117.90	-5.93	-9.90	0.00	-80.8	0.00	80.77	847.81	201.90	352.55	336.61	81.28	-7.15	0.249
118.80	-5.69	-9.59	0.00	-71.9	0.00	71.86	838.52	198.92	342.22	327.96	82.62	-7.19	0.228
120.00	-5.60	-9.55	0.00	-60.4	0.00	60.36	825.27	194.95	328.69	316.26	84.43	-7.23	0.200
120.10	-5.59	-9.51	0.00	-59.4	0.00	59.37	823.87	194.61	327.57	315.19	84.58	-7.24	0.198

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627 C3 01

CALCULATED FORCES

Load Case: 0.9D + 1.0W

111.11 mph Wind with No Ice (Reduced DL)

26 Iterations

Gust Response Factor: 1.10
Dead load Factor: 0.90
Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-39.82	-52.13	0.00	-4,814.3	0.00	4,814.34	5,327.14	1,348.42	6,739.13	6,064.67	0	0	0.803
5.00	-38.26	-51.81	0.00	-4,553.7	0.00	4,553.72	5,225.00	1,309.80	6,358.61	5,776.66	0.12	-0.22	0.797
10.00	-36.73	-51.50	0.00	-4,294.7	0.00	4,294.67	5,119.89	1,271.17	5,989.13	5,492.17	0.48	-0.46	0.791
15.00	-35.23	-51.20	0.00	-4,037.2	0.00	4,037.16	5,011.80	1,232.54	5,630.72	5,211.49	1.09	-0.69	0.783
20.00	-33.76	-50.88	0.00	-3,781.2	0.00	3,781.18	4,900.74	1,193.91	5,283.37	4,934.93	1.95	-0.94	0.775
25.00	-32.32	-50.54	0.00	-3,526.8	0.00	3,526.81	4,786.70	1,155.29	4,947.07	4,662.76	3.06	-1.19	0.765
30.00	-30.91	-50.20	0.00	-3,274.1	0.00	3,274.09	4,669.68	1,116.66	4,621.83	4,395.29	4.45	-1.45	0.754
35.00	-29.54	-49.85	0.00	-3,023.1	0.00	3,023.09	4,549.68	1,078.03	4,307.65	4,132.81	6.11	-1.71	0.740
40.00	-28.20	-49.50	0.00	-2,773.8	0.00	2,773.83	4,400.15	1,039.40	4,004.52	3,852.36	8.05	-1.99	0.729
45.00	-26.94	-49.23	0.00	-2,526.3	0.00	2,526.32	4,236.62	1,000.78	3,712.46	3,569.95	10.28	-2.26	0.716
47.50	-26.30	-49.05	0.00	-2,403.3	0.00	2,403.26	4,154.86	981.46	3,570.57	3,432.77	11.51	-2.41	0.709
50.00	-25.27	-48.83	0.00	-2,280.6	0.00	2,280.64	4,073.10	962.15	3,431.45	3,298.29	12.81	-2.55	0.700
53.25	-24.02	-48.62	0.00	-2,122.0	0.00	2,121.95	3,430.01	820.15	2,908.75	2,766.39	14.61	-2.74	0.778
55.00	-23.54	-48.40	0.00	-2,036.9	0.00	2,036.87	3,394.27	808.56	2,827.14	2,698.52	15.64	-2.84	0.765
60.00	-22.52	-48.17	0.00	-1,794.9	0.00	1,794.90	3,282.75	775.45	2,600.38	2,501.97	18.79	-3.16	0.728
60.80	-22.24	-47.49	0.00	-1,756.4	0.00	1,756.37	3,260.32	770.16	2,564.98	2,467.73	19.32	-3.21	0.722
61.50	-21.56	-44.45	0.00	-1,723.1	0.00	1,723.12	3,240.70	765.52	2,534.20	2,437.97	19.79	-3.26	0.717
65.00	-20.85	-44.26	0.00	-1,667.6	0.00	1,667.55	3,142.59	742.34	2,383.10	2,291.85	22.26	-3.48	0.694
66.50	-20.08	-41.35	0.00	-1,501.2	0.00	1,501.15	3,100.54	732.41	2,319.76	2,230.62	23.37	-3.57	0.683
70.00	-19.41	-41.17	0.00	-1,356.4	0.00	1,356.41	3,002.42	709.23	2,175.29	2,090.96	26.08	-3.79	0.659
71.50	-18.67	-38.22	0.00	-1,294.7	0.00	1,294.66	2,960.37	699.30	2,114.80	2,032.48	27.28	-3.89	0.646
75.00	-18.03	-38.03	0.00	-1,160.9	0.00	1,160.91	2,862.26	676.12	1,976.97	1,899.27	30.21	-4.11	0.621
76.50	-17.36	-35.25	0.00	-1,103.9	0.00	1,103.86	2,820.21	666.19	1,919.32	1,843.56	31.52	-4.2	0.608
80.00	-16.75	-35.07	0.00	-980.5	0.00	980.48	2,722.10	643.02	1,788.12	1,716.80	34.68	-4.41	0.580
81.50	-16.11	-32.26	0.00	-927.9	0.00	927.87	2,680.05	633.08	1,733.31	1,663.86	36.08	-4.51	0.566
85.00	-15.53	-32.08	0.00	-815.0	0.00	814.96	2,581.94	609.91	1,608.75	1,543.55	39.46	-4.71	0.537
86.50	-14.93	-30.45	0.00	-766.8	0.00	766.84	2,539.89	599.97	1,556.79	1,493.37	40.95	-4.8	0.522
89.25	-14.50	-30.32	0.00	-683.1	0.00	683.10	2,462.80	581.76	1,463.74	1,403.52	43.77	-4.96	0.495
90.00	-14.33	-30.24	0.00	-660.4	0.00	660.37	2,441.77	576.80	1,438.86	1,379.51	44.55	-5.01	0.487
91.50	-13.76	-27.87	0.00	-615.0	0.00	615.00	2,399.72	566.86	1,389.74	1,332.09	46.14	-5.09	0.470
93.25	-13.41	-27.77	0.00	-566.2	0.00	566.23	1,064.87	283.51	695.12	595.34	48.02	-5.19	0.973
94.00	-12.07	-25.82	0.00	-545.4	0.00	545.41	1,059.33	281.03	683.00	587.02	48.84	-5.23	0.949
95.00	-11.93	-25.75	0.00	-519.6	0.00	519.59	1,051.84	277.72	667.00	575.95	49.94	-5.34	0.922
96.50	-11.39	-24.32	0.00	-481.0	0.00	480.96	1,040.39	272.75	643.36	559.42	51.64	-5.49	0.879
100.00	-11.02	-24.18	0.00	-395.8	0.00	395.84	1,012.62	261.16	589.86	521.20	55.79	-5.81	0.779
101.50	-10.59	-21.97	0.00	-359.6	0.00	359.57	1,000.28	256.20	567.64	504.98	57.63	-5.95	0.730
105.00	-7.80	-18.06	0.00	-282.7	0.00	282.69	970.43	244.61	517.46	467.58	62.1	-6.24	0.618
106.50	-7.29	-17.21	0.00	-255.6	0.00	255.61	957.19	239.64	496.66	451.76	64.08	-6.36	0.579
110.00	-7.02	-17.06	0.00	-195.4	0.00	195.38	925.26	228.05	449.79	415.40	68.83	-6.6	0.484
111.50	-6.70	-14.80	0.00	-169.8	0.00	169.79	911.12	223.09	430.42	400.08	70.91	-6.7	0.436
115.00	-6.46	-14.66	0.00	-118.0	0.00	117.98	877.11	211.50	386.87	364.96	75.9	-6.9	0.335
116.50	-6.00	-13.87	0.00	-96.0	0.00	96.00	862.08	206.53	368.92	350.21	78.07	-6.97	0.286
117.00	-4.65	-11.41	0.00	-89.1	0.00	89.07	857.01	204.88	363.03	345.33	78.8	-7	0.266
117.40	-4.62	-11.19	0.00	-84.5	0.00	84.51	852.94	203.55	358.35	341.45	79.39	-7.01	0.256
117.50	-4.62	-10.92	0.00	-83.4	0.00	83.39	851.91	203.22	357.19	340.48	79.53	-7.02	0.253
117.60	-4.46	-10.72	0.00	-82.3	0.00	82.29	850.89	202.89	356.02	339.51	79.68	-7.02	0.250
117.70	-4.40	-10.29	0.00	-81.2	0.00	81.22	849.87	202.56	354.86	338.54	79.83	-7.03	0.248
117.80	-4.35	-9.86	0.00	-79.9	0.00	79.86	848.84	202.23	353.70	337.57	79.97	-7.03	0.244
117.90	-4.18	-9.67	0.00	-78.9	0.00	78.87	847.81	201.90	352.55	336.61	80.12	-7.03	0.242
118.80	-4.01	-9.36	0.00	-70.2	0.00	70.17	838.52	198.92	342.22	327.96	81.45	-7.07	0.221
120.00	-3.95	-9.32	0.00	-58.9	0.00	58.93	825.27	194.95	328.69	316.26	83.23	-7.11	0.193
120.10	-3.94	-9.29	0.00	-58.0	0.00	57.96	823.87	194.61	327.57	315.19	83.38	-7.12	0.191
120.90	-3.85	-9.16	0.00	-50.2	0.00	50.19	812.65	191.97	318.72	306.62	84.57	-7.14	0.171
121.50	-3.64	-6.90	0.00	-44.7	0.00	44.70	804.24	189.98	312.15	300.28	85.46	-7.16	0.155
125.00	-3.48	-6.76	0.00	-20.6	0.00	20.56	755.19	178.39	275.24	264.59	90.73	-7.23	0.084

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627_C3_01

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi													
45.81 mph Wind with 0.85" Radial Ice													
25 Iterations													
Gust Response Factor: 1.10													
Dead load Factor: 1.20													
Wind Load Factor: 1.00													
Ice Dead Load Factor 1.00													
Ice Importance Factor 1.00													
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-68.14	-12.49	0.00	-1,159.6	0.00	1,159.60	5,327.14	1,348.42	6,739.13	6,064.67	0	0	0.204
5.00	-66.09	-12.42	0.00	-1,097.2	0.00	1,097.16	5,225.00	1,309.80	6,358.61	5,776.66	0.03	-0.05	0.203
10.00	-64.07	-12.35	0.00	-1,035.1	0.00	1,035.07	5,119.89	1,271.17	5,989.13	5,492.17	0.12	-0.11	0.201
15.00	-62.09	-12.28	0.00	-973.3	0.00	973.33	5,011.80	1,232.54	5,630.72	5,211.49	0.26	-0.17	0.199
20.00	-60.15	-12.21	0.00	-911.9	0.00	911.94	4,900.74	1,193.91	5,283.37	4,934.93	0.47	-0.23	0.197
25.00	-58.26	-12.13	0.00	-850.9	0.00	850.91	4,786.70	1,155.29	4,947.07	4,662.76	0.74	-0.29	0.195
30.00	-56.42	-12.05	0.00	-790.3	0.00	790.27	4,669.68	1,116.66	4,621.83	4,395.29	1.07	-0.35	0.192
35.00	-54.62	-11.97	0.00	-730.0	0.00	730.03	4,549.68	1,078.03	4,307.65	4,132.81	1.47	-0.41	0.189
40.00	-52.88	-11.88	0.00	-670.2	0.00	670.20	4,400.15	1,039.40	4,004.52	3,852.36	1.94	-0.48	0.186
45.00	-51.19	-11.82	0.00	-610.8	0.00	610.78	4,236.62	1,000.78	3,712.46	3,569.95	2.48	-0.55	0.183
47.50	-50.36	-11.77	0.00	-581.2	0.00	581.24	4,154.86	981.46	3,570.57	3,432.77	2.78	-0.58	0.182
50.00	-49.05	-11.72	0.00	-551.8	0.00	551.81	4,073.10	962.15	3,431.45	3,298.29	3.09	-0.62	0.179
53.25	-47.38	-11.67	0.00	-513.7	0.00	513.72	3,430.01	820.15	2,908.75	2,766.39	3.52	-0.66	0.200
55.00	-46.87	-11.62	0.00	-493.3	0.00	493.30	3,394.27	808.56	2,827.14	2,698.52	3.77	-0.69	0.197
60.00	-45.46	-11.56	0.00	-435.2	0.00	435.22	3,282.75	775.45	2,600.38	2,501.97	4.53	-0.76	0.188
60.80	-45.02	-11.40	0.00	-426.0	0.00	425.97	3,260.32	770.16	2,564.98	2,467.73	4.66	-0.78	0.187
61.50	-43.81	-10.69	0.00	-418.0	0.00	417.99	3,240.70	765.52	2,534.20	2,437.97	4.78	-0.79	0.185
65.00	-42.86	-10.65	0.00	-380.6	0.00	380.56	3,142.59	742.34	2,383.10	2,291.85	5.37	-0.84	0.180
66.50	-41.51	-9.97	0.00	-364.6	0.00	364.59	3,100.54	732.41	2,319.76	2,230.62	5.64	-0.86	0.177
70.00	-40.59	-9.92	0.00	-329.7	0.00	329.72	3,002.42	709.23	2,175.29	2,090.96	6.29	-0.92	0.171
71.50	-39.26	-9.22	0.00	-314.8	0.00	314.84	2,960.37	699.30	2,114.80	2,032.48	6.59	-0.94	0.168
75.00	-38.38	-9.18	0.00	-282.6	0.00	282.56	2,862.26	676.12	1,976.97	1,899.27	7.3	-0.99	0.162
76.50	-37.13	-8.52	0.00	-268.8	0.00	268.79	2,820.21	666.19	1,919.32	1,843.56	7.61	-1.02	0.159
80.00	-36.28	-8.47	0.00	-239.0	0.00	238.97	2,722.10	643.02	1,788.12	1,716.80	8.38	-1.07	0.153
81.50	-35.05	-7.81	0.00	-226.3	0.00	226.26	2,680.05	633.08	1,733.31	1,663.86	8.72	-1.09	0.149
85.00	-34.23	-7.76	0.00	-198.9	0.00	198.93	2,581.94	609.91	1,608.75	1,543.55	9.54	-1.14	0.142
86.50	-33.15	-7.37	0.00	-187.3	0.00	187.29	2,539.89	599.97	1,556.79	1,493.37	9.9	-1.16	0.139
89.25	-32.53	-7.33	0.00	-167.0	0.00	167.02	2,462.80	581.76	1,463.74	1,403.52	10.58	-1.2	0.132
90.00	-32.31	-7.32	0.00	-161.5	0.00	161.52	2,441.77	576.80	1,438.86	1,379.51	10.77	-1.21	0.130
91.50	-31.15	-6.75	0.00	-150.6	0.00	150.55	2,399.72	566.86	1,389.74	1,332.09	11.15	-1.23	0.126
93.25	-30.66	-6.72	0.00	-138.7	0.00	138.74	1,064.87	283.51	695.12	595.34	11.61	-1.26	0.262
94.00	-27.88	-6.28	0.00	-133.7	0.00	133.70	1,059.33	281.03	683.00	587.02	11.81	-1.27	0.255
95.00	-27.73	-6.26	0.00	-127.4	0.00	127.42	1,051.84	277.72	667.00	575.95	12.08	-1.29	0.248
96.50	-26.78	-5.92	0.00	-118.0	0.00	118.03	1,040.39	272.75	643.36	559.42	12.49	-1.33	0.237
100.00	-26.27	-5.89	0.00	-97.3	0.00	97.30	1,012.62	261.16	589.86	521.20	13.5	-1.41	0.213
101.50	-25.33	-5.36	0.00	-88.5	0.00	88.47	1,000.28	256.20	567.64	504.98	13.95	-1.44	0.201
105.00	-18.96	-4.45	0.00	-69.7	0.00	69.70	970.43	244.61	517.46	467.58	15.03	-1.52	0.169
106.50	-18.04	-4.24	0.00	-63.0	0.00	63.03	957.19	239.64	496.66	451.76	15.51	-1.54	0.159
110.00	-17.63	-4.20	0.00	-48.2	0.00	48.20	925.26	228.05	449.79	415.40	16.67	-1.61	0.135
111.50	-16.73	-3.65	0.00	-41.9	0.00	41.90	911.12	223.09	430.42	400.08	17.18	-1.63	0.123
115.00	-16.34	-3.61	0.00	-29.1	0.00	29.13	877.11	211.50	386.87	364.96	18.39	-1.68	0.099
116.50	-15.44	-3.40	0.00	-23.7	0.00	23.73	862.08	206.53	368.92	350.21	18.92	-1.7	0.086
117.00	-12.16	-2.81	0.00	-22.0	0.00	22.02	857.01	204.88	363.03	345.33	19.1	-1.7	0.078
117.40	-12.01	-2.76	0.00	-20.9	0.00	20.90	852.94	203.55	358.35	341.45	19.24	-1.71	0.075
117.50	-11.85	-2.70	0.00	-20.6	0.00	20.62	851.91	203.22	357.19	340.48	19.28	-1.71	0.075
117.60	-11.47	-2.65	0.00	-20.4	0.00	20.35	850.89	202.89	356.02	339.51	19.32	-1.71	0.074
117.70	-11.16	-2.56	0.00	-20.1	0.00	20.09	849.87	202.56	354.86	338.54	19.35	-1.71	0.073
117.80	-10.86	-2.46	0.00	-19.8	0.00	19.77	848.84	202.23	353.70	337.57	19.39	-1.71	0.071
117.90	-10.54	-2.41	0.00	-19.5	0.00	19.52	847.81	201.90	352.55	336.61	19.42	-1.71	0.071
118.80	-10.14	-2.34	0.00	-17.4	0.00	17.35	838.52	198.92	342.22	327.96	19.75	-1.72	0.065
120.00	-10.02	-2.33	0.00	-14.5	0.00	14.54	825.27	194.95	328.69	316.26	20.18	-1.73	0.058
120.10	-10.00	-2.32	0.00	-14.3	0.00	14.29	823.87	194.61	327.57	315.19	20.22	-1.73	0.058
120.90	-9.78	-2.28	0.00	-12.4	0.00	12.37	812.65	191.97	318.72	306.62	20.51	-1.74	0.053
121.50	-9.00	-1.73	0.00	-11.0	0.00	11.00	804.24	189.98	312.15	300.28	20.73	-1.74	0.048
125.00	-8.68	-1.68	0.00	-5.0	0.00	4.96	755.19	178.39	275.24	264.59	22.01	-1.76	0.030

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627_C3_01

CALCULATED FORCES

Load Case: 1.0D + 1.0W

60 mph Wind with No Ice

24 Iterations

Gust Response Factor: 1.10
Dead load Factor: 1.00
Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-44.35	-13.60	0.00	-1,261.8	0.00	1,261.83	5,327.14	1,348.42	6,739.13	6,064.67	0	0	0.216
5.00	-42.83	-13.52	0.00	-1,193.8	0.00	1,193.83	5,225.00	1,309.80	6,358.61	5,776.66	0.03	-0.06	0.215
10.00	-41.35	-13.45	0.00	-1,126.2	0.00	1,126.22	5,119.89	1,271.17	5,989.13	5,492.17	0.13	-0.12	0.213
15.00	-39.90	-13.37	0.00	-1,059.0	0.00	1,058.98	5,011.80	1,232.54	5,630.72	5,211.49	0.28	-0.18	0.211
20.00	-38.49	-13.29	0.00	-992.1	0.00	992.12	4,900.74	1,193.91	5,283.37	4,934.93	0.51	-0.25	0.209
25.00	-37.12	-13.21	0.00	-925.6	0.00	925.65	4,786.70	1,155.29	4,947.07	4,662.76	0.8	-0.31	0.206
30.00	-35.78	-13.13	0.00	-859.6	0.00	859.59	4,669.68	1,116.66	4,621.83	4,395.29	1.17	-0.38	0.203
35.00	-34.49	-13.04	0.00	-794.0	0.00	793.95	4,549.68	1,078.03	4,307.65	4,132.81	1.6	-0.45	0.200
40.00	-33.23	-12.96	0.00	-728.7	0.00	728.74	4,400.15	1,039.40	4,004.52	3,852.36	2.11	-0.52	0.197
45.00	-32.01	-12.89	0.00	-664.0	0.00	663.96	4,236.62	1,000.78	3,712.46	3,569.95	2.7	-0.59	0.194
47.50	-31.41	-12.84	0.00	-631.7	0.00	631.74	4,154.86	981.46	3,570.57	3,432.77	3.02	-0.63	0.192
50.00	-30.41	-12.79	0.00	-599.6	0.00	599.63	4,073.10	962.15	3,431.45	3,298.29	3.36	-0.67	0.189
53.25	-29.14	-12.74	0.00	-558.1	0.00	558.07	3,430.01	820.15	2,908.75	2,766.39	3.83	-0.72	0.210
55.00	-28.77	-12.68	0.00	-535.8	0.00	535.78	3,394.27	808.56	2,827.14	2,698.52	4.1	-0.75	0.207
60.00	-27.78	-12.63	0.00	-472.4	0.00	472.37	3,282.75	775.45	2,600.38	2,501.97	4.93	-0.83	0.198
60.80	-27.47	-12.45	0.00	-462.3	0.00	462.27	3,260.32	770.16	2,564.98	2,467.73	5.07	-0.84	0.196
61.50	-26.64	-11.66	0.00	-453.6	0.00	453.55	3,240.70	765.52	2,534.20	2,437.97	5.2	-0.85	0.194
65.00	-25.97	-11.61	0.00	-412.8	0.00	412.75	3,142.59	742.34	2,383.10	2,291.85	5.84	-0.91	0.189
66.50	-25.04	-10.85	0.00	-395.3	0.00	395.33	3,100.54	732.41	2,319.76	2,230.62	6.14	-0.94	0.186
70.00	-24.39	-10.81	0.00	-357.4	0.00	357.35	3,002.42	709.23	2,175.29	2,090.96	6.85	-1	0.179
71.50	-23.48	-10.04	0.00	-341.1	0.00	341.14	2,960.37	699.30	2,114.80	2,032.48	7.16	-1.02	0.176
75.00	-22.85	-9.99	0.00	-306.0	0.00	306.01	2,862.26	676.12	1,976.97	1,899.27	7.94	-1.08	0.169
76.50	-22.00	-9.27	0.00	-291.0	0.00	291.02	2,820.21	666.19	1,919.32	1,843.56	8.28	-1.1	0.166
80.00	-21.40	-9.22	0.00	-258.6	0.00	258.59	2,722.10	643.02	1,788.12	1,716.80	9.11	-1.16	0.159
81.50	-20.56	-8.49	0.00	-244.8	0.00	244.76	2,680.05	633.08	1,733.31	1,663.86	9.48	-1.18	0.155
85.00	-19.98	-8.44	0.00	-215.0	0.00	215.05	2,581.94	609.91	1,608.75	1,543.55	10.37	-1.24	0.147
86.50	-19.24	-8.02	0.00	-202.4	0.00	202.39	2,539.89	599.97	1,556.79	1,493.37	10.76	-1.26	0.143
89.25	-18.80	-7.98	0.00	-180.4	0.00	180.35	2,462.80	581.76	1,463.74	1,403.52	11.5	-1.31	0.136
90.00	-18.64	-7.96	0.00	-174.4	0.00	174.36	2,441.77	576.80	1,438.86	1,379.51	11.71	-1.32	0.134
91.50	-17.83	-7.34	0.00	-162.4	0.00	162.42	2,399.72	566.86	1,389.74	1,332.09	12.12	-1.34	0.130
93.25	-17.47	-7.32	0.00	-149.6	0.00	149.57	1,064.87	283.51	695.12	595.34	12.62	-1.37	0.268
94.00	-15.83	-6.80	0.00	-144.1	0.00	144.08	1,059.33	281.03	683.00	587.02	12.84	-1.38	0.261
95.00	-15.74	-6.79	0.00	-137.3	0.00	137.28	1,051.84	277.72	667.00	575.95	13.13	-1.4	0.254
96.50	-15.10	-6.42	0.00	-127.1	0.00	127.10	1,040.39	272.75	643.36	559.42	13.58	-1.44	0.242
100.00	-14.77	-6.38	0.00	-104.6	0.00	104.65	1,012.62	261.16	589.86	521.20	14.67	-1.53	0.216
101.50	-14.14	-5.80	0.00	-95.1	0.00	95.08	1,000.28	256.20	567.64	504.98	15.15	-1.57	0.203
105.00	-10.68	-4.77	0.00	-74.8	0.00	74.77	970.43	244.61	517.46	467.58	16.33	-1.64	0.171
106.50	-10.07	-4.55	0.00	-67.6	0.00	67.62	957.19	239.64	496.66	451.76	16.85	-1.67	0.161
110.00	-9.81	-4.51	0.00	-51.7	0.00	51.70	925.26	228.05	449.79	415.40	18.11	-1.74	0.135
111.50	-9.22	-3.92	0.00	-44.9	0.00	44.94	911.12	223.09	430.42	400.08	18.66	-1.77	0.123
115.00	-8.97	-3.88	0.00	-31.2	0.00	31.23	877.11	211.50	386.87	364.96	19.97	-1.82	0.096
116.50	-8.37	-3.67	0.00	-25.4	0.00	25.41	862.08	206.53	368.92	350.21	20.55	-1.84	0.083
117.00	-6.58	-3.02	0.00	-23.6	0.00	23.58	857.01	204.88	363.03	345.33	20.74	-1.84	0.076
117.40	-6.52	-2.96	0.00	-22.4	0.00	22.37	852.94	203.55	358.35	341.45	20.89	-1.85	0.073
117.50	-6.48	-2.89	0.00	-22.1	0.00	22.07	851.91	203.22	357.19	340.48	20.93	-1.85	0.073
117.60	-6.28	-2.84	0.00	-21.8	0.00	21.78	850.89	202.89	356.02	339.51	20.97	-1.85	0.072
117.70	-6.16	-2.72	0.00	-21.5	0.00	21.50	849.87	202.56	354.86	338.54	21.01	-1.85	0.071
117.80	-6.06	-2.61	0.00	-21.1	0.00	21.14	848.84	202.23	353.70	337.57	21.05	-1.85	0.070
117.90	-5.85	-2.56	0.00	-20.9	0.00	20.88	847.81	201.90	352.55	336.61	21.09	-1.85	0.069
118.80	-5.63	-2.48	0.00	-18.6	0.00	18.57	838.52	198.92	342.22	327.96	21.44	-1.86	0.064
120.00	-5.56	-2.47	0.00	-15.6	0.00	15.60	825.27	194.95	328.69	316.26	21.91	-1.87	0.056
120.10	-5.55	-2.46	0.00	-15.3	0.00	15.34	823.87	194.61	327.57	315.19	21.95	-1.87	0.056
120.90	-5.44	-2.43	0.00	-13.3	0.00	13.29	812.65	191.97	318.72	306.62	22.26	-1.88	0.050
121.50	-4.92	-1.83	0.00	-11.8	0.00	11.83	804.24	189.98	312.15	300.28	22.5	-1.89	0.046
125.00	-4.72	-1.79	0.00	-5.4	0.00	5.43	755.19	178.39	275.24	264.59	23.89	-1.9	0.027

ASSET: 207786, Amawalk
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
 PROJECT: 15195627_C3_01

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

Design Spectral Response Acceleration at Short Period (S_{ds}):	0.200
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.071
Long-Period Transition Period (T_L - Seconds):	6
Importance Factor (I_a):	1.000
Response Modification Coefficient (R):	1.500
Seismic Response Coefficient (C_s):	0.030
Upper Limit C_s :	0.030
Lower Limit C_s :	0.030
Period based on Rayleigh Method (sec):	2.050
Redundancy Factor (ρ):	1.000
Seismic Force Distribution Exponent (k):	1.780
Total Unfactored Dead Load:	44.360 k
Seismic Base Shear (E):	1.330 k

SEISMIC FORCES

Segment	1.2D + 1.0Ev + 1.0Eh	Seismic	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
58			128.05	64	356	0.003	4	79
57			127.05	4	19	0.000	0	4
56			126.75	28	151	0.001	2	34
55			125.75	84	451	0.004	5	104
54			123.25	201	1,045	0.010	13	249
53			121.2	35	178	0.002	2	44
52			120.5	47	237	0.002	3	59
51			120.05	6	30	0.000	0	7
50			119.4	73	357	0.003	4	90
49			118.35	55	268	0.002	3	69
48			117.85	6	31	0.000	0	8
47			117.75	6	31	0.000	0	8
46			117.65	6	31	0.000	0	8
45			117.55	6	31	0.000	0	8
44			117.45	6	31	0.000	0	8
43			117.2	26	123	0.001	1	32
42			116.75	34	162	0.002	2	42
41			115.75	104	482	0.004	6	128
40			113.25	247	1,106	0.010	13	307
39			110.75	108	466	0.004	6	134
38			108.25	259	1,067	0.010	13	321
37			105.75	113	448	0.004	5	140
36			103.25	314	1,190	0.011	14	389
35			100.75	137	497	0.004	6	170
34			98.25	325	1,129	0.010	14	403
33			95.75	142	470	0.004	6	176
32			94.5	95	309	0.003	4	118
31			93.625	74	236	0.002	3	92
30			92.375	364	1,134	0.010	14	452
29			90.75	317	956	0.009	12	393
28			89.625	160	472	0.004	6	198
27			87.875	435	1,241	0.011	15	540
26			85.75	242	659	0.006	8	300
25			83.25	575	1,489	0.014	18	713
24			80.75	251	616	0.006	7	311
23			78.25	597	1,385	0.013	17	741
22			75.75	261	571	0.005	7	323
21			73.25	620	1,278	0.012	15	769
20			70.75	270	524	0.005	6	335
19			68.25	642	1,168	0.011	14	796
18			65.75	280	477	0.004	6	347
17			63.25	665	1,056	0.010	13	824

ASSET: 207786, Amawalk
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
 PROJECT: 15195627 C3_01

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh	Seismic	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Segment							
Generic Flat T-Arm		94	938	3,012	0.027	36	1,162
Branches (10' Max)		91.5	500	1,531	0.014	18	620
Branches (10' Max)		86.5	500	1,386	0.013	17	620
Branches (12' Max)		81.5	600	1,496	0.014	18	744
Branches (12' Max)		76.5	600	1,337	0.012	16	744
Branches (13' Max)		71.5	650	1,284	0.012	16	806
Branches (13' Max)		66.5	650	1,129	0.010	14	806
Branches (14' Max)		61.5	700	1,058	0.010	13	868
Branches (14' Max)		60.8	150	222	0.002	3	186
Totals:			44,360	110,242	1.000	1,331	55,007

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Segment							
58		128.05	64	356	0.003	4	55
57		127.05	4	19	0.000	0	3
56		126.75	28	151	0.001	2	24
55		125.75	84	451	0.004	5	72
54		123.25	201	1,045	0.010	13	173
53		121.2	35	178	0.002	2	30
52		120.5	47	237	0.002	3	41
51		120.05	6	30	0.000	0	5
50		119.4	73	357	0.003	4	62
49		118.35	55	268	0.002	3	48
48		117.85	6	31	0.000	0	6
47		117.75	6	31	0.000	0	6
46		117.65	6	31	0.000	0	6
45		117.55	6	31	0.000	0	6
44		117.45	6	31	0.000	0	6
43		117.2	26	123	0.001	1	22
42		116.75	34	162	0.002	2	29
41		115.75	104	482	0.004	6	89
40		113.25	247	1,106	0.010	13	213
39		110.75	108	466	0.004	6	93
38		108.25	259	1,067	0.010	13	222
37		105.75	113	448	0.004	5	97
36		103.25	314	1,190	0.011	14	270
35		100.75	137	497	0.004	6	118
34		98.25	325	1,129	0.010	14	279
33		95.75	142	470	0.004	6	122
32		94.5	95	309	0.003	4	82
31		93.625	74	236	0.002	3	64
30		92.375	364	1,134	0.010	14	313
29		90.75	317	956	0.009	12	272
28		89.625	160	472	0.004	6	138
27		87.875	435	1,241	0.011	15	374
26		85.75	242	659	0.006	8	208
25		83.25	575	1,489	0.014	18	494
24		80.75	251	616	0.006	7	216
23		78.25	597	1,385	0.013	17	514
22		75.75	261	571	0.005	7	224
21		73.25	620	1,278	0.012	15	533
20		70.75	270	524	0.005	6	233
19		68.25	642	1,168	0.011	14	552
18		65.75	280	477	0.004	6	241
17		63.25	665	1,056	0.010	13	572
16		61.15	135	202	0.002	2	116
15		60.4	155	227	0.002	3	133
14		57.5	987	1,323	0.012	16	848
13		54.125	353	425	0.004	5	303

ASSET: 207786, Amawalk
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
 PROJECT: 15195627 C3_01

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Branches (12' Max)	76.5	600	1,337	0.012	16	516
Branches (13' Max)	71.5	650	1,284	0.012	16	559
Branches (13' Max)	66.5	650	1,129	0.010	14	559
Branches (14' Max)	61.5	700	1,058	0.010	13	602
Branches (14' Max)	60.8	150	222	0.002	3	129
Totals:		44,360	110,242	1.000	1,331	38,150

SEISMIC FORCES

1.2D + 1.0Ev + 1.5Eh

Seismic Overstrength

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
58	128.05	64	356	0.003	6	79
57	127.05	4	19	0.000	0	4
56	126.75	28	151	0.001	3	34
55	125.75	84	451	0.004	8	104
54	123.25	201	1,045	0.010	19	249
53	121.2	35	178	0.002	3	44
52	120.5	47	237	0.002	4	59
51	120.05	6	30	0.000	1	7
50	119.4	73	357	0.003	6	90
49	118.35	55	268	0.002	5	69
48	117.85	6	31	0.000	1	8
47	117.75	6	31	0.000	1	8
46	117.65	6	31	0.000	1	8
45	117.55	6	31	0.000	1	8
44	117.45	6	31	0.000	1	8
43	117.2	26	123	0.001	2	32
42	116.75	34	162	0.002	3	42
41	115.75	104	482	0.004	9	128
40	113.25	247	1,106	0.010	20	307
39	110.75	108	466	0.004	8	134
38	108.25	259	1,067	0.010	19	321
37	105.75	113	448	0.004	8	140
36	103.25	314	1,190	0.011	22	389
35	100.75	137	497	0.004	9	170
34	98.25	325	1,129	0.010	20	403
33	95.75	142	470	0.004	9	176
32	94.5	95	309	0.003	6	118
31	93.625	74	236	0.002	4	92
30	92.375	364	1,134	0.010	21	452
29	90.75	317	956	0.009	17	393
28	89.625	160	472	0.004	9	198
27	87.875	435	1,241	0.011	22	540
26	85.75	242	659	0.006	12	300
25	83.25	575	1,489	0.014	27	713
24	80.75	251	616	0.006	11	311
23	78.25	597	1,385	0.013	25	741
22	75.75	261	571	0.005	10	323
21	73.25	620	1,278	0.012	23	769
20	70.75	270	524	0.005	9	335
19	68.25	642	1,168	0.011	21	796
18	65.75	280	477	0.004	9	347
17	63.25	665	1,056	0.010	19	824
16	61.15	135	202	0.002	4	167
15	60.4	155	227	0.002	4	192
14	57.5	987	1,323	0.012	24	1,223
13	54.125	353	425	0.004	8	438
12	51.625	1,264	1,400	0.013	25	1,568
11	48.75	992	993	0.009	18	1,231
10	46.25	590	537	0.005	10	731
9	42.5	1,208	947	0.009	17	1,498

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627 C3_01

SEISMIC FORCES

1.2D + 1.0Ev + 1.5Eh

Seismic Overstrength

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Branches (14' Max)	60.8	150	222	0.002	4	186
Totals:		44,360	110,242	1.000	1,996	55,007

SEISMIC FORCES

0.9D - 1.0Ev + 1.5Eh

Seismic Overstrength (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
58	128.05	64	356	0.003	6	55
57	127.05	4	19	0.000	0	3
56	126.75	28	151	0.001	3	24
55	125.75	84	451	0.004	8	72
54	123.25	201	1,045	0.010	19	173
53	121.2	35	178	0.002	3	30
52	120.5	47	237	0.002	4	41
51	120.05	6	30	0.000	1	5
50	119.4	73	357	0.003	6	62
49	118.35	55	268	0.002	5	48
48	117.85	6	31	0.000	1	6
47	117.75	6	31	0.000	1	6
46	117.65	6	31	0.000	1	6
45	117.55	6	31	0.000	1	6
44	117.45	6	31	0.000	1	6
43	117.2	26	123	0.001	2	22
42	116.75	34	162	0.002	3	29
41	115.75	104	482	0.004	9	89
40	113.25	247	1,106	0.010	20	213
39	110.75	108	466	0.004	8	93
38	108.25	259	1,067	0.010	19	222
37	105.75	113	448	0.004	8	97
36	103.25	314	1,190	0.011	22	270
35	100.75	137	497	0.004	9	118
34	98.25	325	1,129	0.010	20	279
33	95.75	142	470	0.004	9	122
32	94.5	95	309	0.003	6	82
31	93.625	74	236	0.002	4	64
30	92.375	364	1,134	0.010	21	313
29	90.75	317	956	0.009	17	272
28	89.625	160	472	0.004	9	138
27	87.875	435	1,241	0.011	22	374
26	85.75	242	659	0.006	12	208
25	83.25	575	1,489	0.014	27	494
24	80.75	251	616	0.006	11	216
23	78.25	597	1,385	0.013	25	514
22	75.75	261	571	0.005	10	224
21	73.25	620	1,278	0.012	23	533
20	70.75	270	524	0.005	9	233
19	68.25	642	1,168	0.011	21	552
18	65.75	280	477	0.004	9	241
17	63.25	665	1,056	0.010	19	572
16	61.15	135	202	0.002	4	116
15	60.4	155	227	0.002	4	133
14	57.5	987	1,323	0.012	24	848
13	54.125	353	425	0.004	8	303
12	51.625	1,264	1,400	0.013	25	1,087
11	48.75	992	993	0.009	18	853
10	46.25	590	537	0.005	10	507
9	42.5	1,208	947	0.009	17	1,039
8	37.5	1,245	781	0.007	14	1,071
7	32.5	1,283	624	0.006	11	1,103
6	27.5	1,320	477	0.004	9	1,135
5	22.5	1,357	344	0.003	6	1,167

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

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PROJECT: 15195627 C3_01

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-53.14	-1.33	0.00	-140.51	0.00	140.51	5,327.14	1,348.42	6,739	6,064.67	0.00	0.00	0.03
5.00	-51.32	-1.34	0.00	-133.85	0.00	133.85	5,225.00	1,309.80	6,359	5,776.66	0.00	-0.01	0.03
10.00	-49.54	-1.34	0.00	-127.17	0.00	127.17	5,119.89	1,271.17	5,989	5,492.17	0.01	-0.01	0.03
15.00	-47.81	-1.34	0.00	-120.46	0.00	120.46	5,011.80	1,232.54	5,631	5,211.49	0.03	-0.02	0.03
20.00	-46.13	-1.34	0.00	-113.75	0.00	113.75	4,900.74	1,193.91	5,283	4,934.93	0.06	-0.03	0.03
25.00	-44.49	-1.34	0.00	-107.02	0.00	107.02	4,786.70	1,155.29	4,947	4,662.76	0.09	-0.04	0.03
30.00	-42.80	-1.34	0.00	-100.30	0.00	100.30	4,669.68	1,116.66	4,622	4,395.29	0.13	-0.04	0.03
35.00	-41.35	-1.34	0.00	-93.59	0.00	93.59	4,549.68	1,078.03	4,308	4,132.81	0.18	-0.05	0.03
40.00	-39.86	-1.33	0.00	-86.91	0.00	86.91	4,400.15	1,039.40	4,005	3,852.36	0.24	-0.06	0.03
45.00	-39.12	-1.33	0.00	-80.26	0.00	80.26	4,236.62	1,000.78	3,712	3,569.95	0.31	-0.07	0.03
47.50	-37.89	-1.32	0.00	-76.94	0.00	76.94	4,154.86	981.46	3,571	3,432.77	0.34	-0.07	0.03
50.00	-36.33	-1.30	0.00	-73.65	0.00	73.65	4,073.10	962.15	3,431	3,298.29	0.38	-0.08	0.03
53.25	-35.89	-1.30	0.00	-69.42	0.00	69.42	3,430.01	820.15	2,909	2,766.39	0.44	-0.08	0.04
55.00	-34.67	-1.29	0.00	-67.15	0.00	67.15	3,394.27	808.56	2,827	2,698.52	0.47	-0.09	0.04
60.00	-34.47	-1.29	0.00	-60.72	0.00	60.72	3,282.75	775.45	2,600	2,501.97	0.57	-0.10	0.04
60.80	-34.12	-1.28	0.00	-59.69	0.00	59.69	3,260.32	770.16	2,565	2,467.73	0.58	-0.10	0.04
61.50	-32.43	-1.26	0.00	-58.80	0.00	58.80	3,240.70	765.52	2,534	2,437.97	0.60	-0.10	0.03
65.00	-32.08	-1.25	0.00	-54.40	0.00	54.40	3,142.59	742.34	2,383	2,291.85	0.68	-0.11	0.03
66.50	-30.48	-1.22	0.00	-52.53	0.00	52.53	3,100.54	732.41	2,320	2,230.62	0.71	-0.11	0.03
70.00	-30.14	-1.22	0.00	-48.24	0.00	48.24	3,002.42	709.23	2,175	2,090.96	0.80	-0.12	0.03
71.50	-28.57	-1.19	0.00	-46.41	0.00	46.41	2,960.37	699.30	2,115	2,032.48	0.83	-0.12	0.03
75.00	-28.24	-1.18	0.00	-42.25	0.00	42.25	2,862.26	676.12	1,977	1,899.27	0.93	-0.13	0.03
76.50	-26.76	-1.15	0.00	-40.48	0.00	40.48	2,820.21	666.19	1,919	1,843.56	0.97	-0.13	0.03
80.00	-26.45	-1.14	0.00	-36.45	0.00	36.45	2,722.10	643.02	1,788	1,716.80	1.07	-0.14	0.03
81.50	-24.99	-1.11	0.00	-34.74	0.00	34.74	2,680.05	633.08	1,733	1,663.86	1.12	-0.15	0.03
85.00	-24.69	-1.10	0.00	-30.86	0.00	30.86	2,581.94	609.91	1,609	1,543.55	1.23	-0.15	0.03
86.50	-23.53	-1.07	0.00	-29.21	0.00	29.21	2,539.89	599.97	1,557	1,493.37	1.28	-0.16	0.03
89.25	-23.33	-1.06	0.00	-26.27	0.00	26.27	2,462.80	581.76	1,464	1,403.52	1.37	-0.16	0.03
90.00	-22.94	-1.05	0.00	-25.48	0.00	25.48	2,441.77	576.80	1,439	1,379.51	1.39	-0.17	0.03
91.50	-21.87	-1.02	0.00	-23.90	0.00	23.90	2,399.72	566.86	1,390	1,332.09	1.45	-0.17	0.03
93.25	-21.78	-1.02	0.00	-22.12	0.00	22.12	1,064.87	283.51	695	595.34	1.51	-0.17	0.06
94.00	-19.71	-0.95	0.00	-21.36	0.00	21.36	1,059.33	281.03	683	587.02	1.54	-0.17	0.06
95.00	-19.54	-0.94	0.00	-20.41	0.00	20.41	1,051.84	277.72	667	575.95	1.57	-0.18	0.05
96.50	-18.51	-0.91	0.00	-19.00	0.00	19.00	1,040.39	272.75	643	559.42	1.63	-0.18	0.05
100.00	-18.34	-0.90	0.00	-15.82	0.00	15.82	1,012.62	261.16	590	521.20	1.77	-0.20	0.05
101.50	-17.34	-0.87	0.00	-14.47	0.00	14.47	1,000.28	256.20	568	504.98	1.83	-0.20	0.05
105.00	-13.27	-0.70	0.00	-11.43	0.00	11.43	970.43	244.61	517	467.58	1.99	-0.21	0.04
106.50	-12.33	-0.66	0.00	-10.39	0.00	10.39	957.19	239.64	497	451.76	2.05	-0.22	0.04
110.00	-12.20	-0.66	0.00	-8.08	0.00	8.08	925.26	228.05	450	415.40	2.22	-0.23	0.03
111.50	-11.27	-0.61	0.00	-7.09	0.00	7.09	911.12	223.09	430	400.08	2.29	-0.23	0.03
115.00	-11.14	-0.61	0.00	-4.95	0.00	4.95	877.11	211.50	387	364.96	2.46	-0.24	0.03
116.50	-10.48	-0.58	0.00	-4.04	0.00	4.04	862.08	206.53	369	350.21	2.54	-0.24	0.02
117.00	-8.24	-0.46	0.00	-3.75	0.00	3.75	857.01	204.88	363	345.33	2.57	-0.25	0.02
117.40	-8.20	-0.46	0.00	-3.56	0.00	3.56	852.94	203.55	358	341.45	2.59	-0.25	0.02
117.50	-8.14	-0.46	0.00	-3.52	0.00	3.52	851.91	203.22	357	340.48	2.59	-0.25	0.02
117.60	-7.89	-0.44	0.00	-3.47	0.00	3.47	850.89	202.89	356	339.51	2.60	-0.25	0.02
117.70	-7.74	-0.44	0.00	-3.43	0.00	3.43	849.87	202.56	355	338.54	2.60	-0.25	0.02
117.80	-7.60	-0.43	0.00	-3.38	0.00	3.38	848.84	202.23	354	337.57	2.61	-0.25	0.02
117.90	-7.29	-0.41	0.00	-3.34	0.00	3.34	847.81	201.90	353	336.61	2.61	-0.25	0.02
118.80	-6.98	-0.40	0.00	-2.97	0.00	2.97	838.52	198.92	342	327.96	2.66	-0.25	0.02
120.00	-6.98	-0.40	0.00	-2.49	0.00	2.49	825.27	194.95	329	316.26	2.72	-0.25	0.02
120.10	-6.91	-0.40	0.00	-2.45	0.00	2.45	823.87	194.61	328	315.19	2.73	-0.25	0.02
120.90	-6.79	-0.39	0.00	-2.13	0.00	2.13	812.65	191.97	319	306.62	2.77	-0.25	0.02
121.50	-5.92	-0.34	0.00	-1.90	0.00	1.90	804.24	189.98	312	300.28	2.80	-0.25	0.01
125.00	-5.82	-0.34	0.00	-0.70	0.00	0.70	755.19	178.39	275	264.59	2.99	-0.25	0.01
126.50	-5.47	-0.32	0.00	-0.20	0.00	0.20	734.16	173.42	260	249.98	3.07	-0.26	0.01
127.00	-0.41	-0.02	0.00	-0.04	0.00	0.04	727.15	171.77	255	245.21	3.09	-0.26	0.00
127.10	-0.31	-0.02	0.00	-0.03	0.00	0.03	725.75	171.44	254	244.26	3.10	-0.26	0.00
129.00	0.00	-0.02	0.00	0.00	0.00	0.00	699.12	165.15	236	226.56	3.20	-0.26	0.00

0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

ASSET: 207786, Amawalk
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
 PROJECT: 15195627_C3_01

ANALYSIS SUMMARY

Load Case	Base Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	52.15	0.00	53.13	0.00	0.00	4860.08	93.25	1
0.9D + 1.0W	52.13	0.00	39.82	0.00	0.00	4814.34	93.25	0.97
1.2D + 1.0Di + 1.0Wi	12.49	0.00	68.14	0.00	0.00	1159.60	93.25	0.26
1.2D + 1.0Ev + 1.0Eh	1.33	0.00	53.14	0.00	0.00	140.51	93.25	0.06
0.9D - 1.0Ev + 1.0Eh	1.33	0.00	36.85	0.00	0.00	138.74	93.25	0.05
1.0D + 1.0W	13.60	0.00	44.35	0.00	0.00	1261.83	93.25	0.27

ANALYSIS SUMMARY - OVERSTRENGTH LOAD CASES

Load Case	Base Reactions					
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0Ev + 1.5Eh	2.00	0.00	53.14	0.00	0.00	211.01
0.9D - 1.0Ev + 1.5Eh	2.00	0.00	36.85	0.00	0.00	208.33

ASSET: 207786, Amawalk
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-I
PROJECT: 15195627

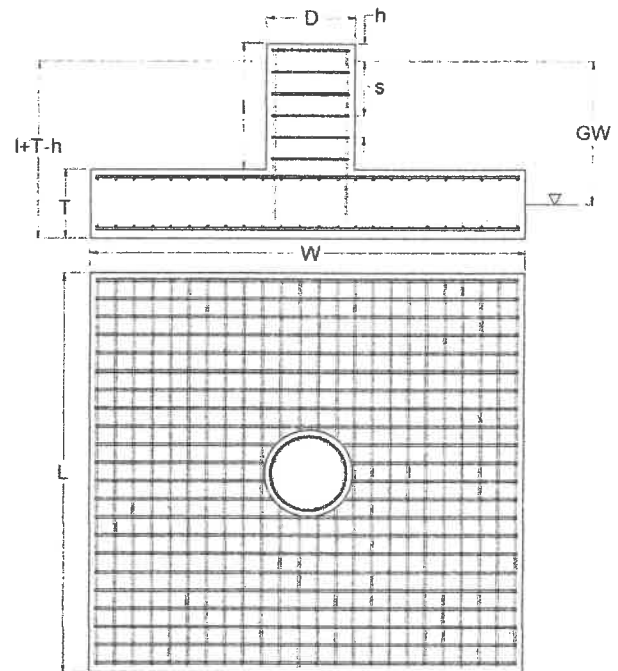
MONOLITHIC MAT & PIER FOUNDATION ANALYSIS

APPLIED GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
4,860.08	53.13	52.15

FOUNDATION PARAMETERS

Mat Length:	L	29	ft
Mat Width:	W	29	ft
Mat Thickness:	T	2	ft
Base Depth:	L+T-h	6	ft
Pier Shape:		Round	
Pier Diameter:	D	7	ft
Pier Height above Grade:	h	0.5	ft
Concrete Compressive Strength:		4,000	psi
Mat Top Rebar:		(53) #8 bars [60 ksi]	
Mat Bottom Rebar:		(53) #8 bars [60 ksi]	
Pier Vertical Rebar:		(38) #10 bars [60 ksi]	
Pier Rebar Ties:	s	#5 bars @ 12.0" c/c [60 ksi]	
Rebar Clear Cover:		3.0	in
Tower Eccentricity:	ecc	0	ft
Tower Leg Count		1	



SOIL PARAMETERS

Water Table Depth [BGL]:	GW	4	ft
Soil Unit Weight:		115	pcf
Ultimate Skin Friction:		0	psf
Ultimate Bearing Pressure:		10,000	psf
Bearing Pressure Type:		Net	
Coefficient of Shear Friction:		0.45	

SOIL STRENGTH ANALYSIS

Soil Strength Reduction Factor, Φ_s	Uplift Strength Reduction Factor, Φ_u	Asset Dead Load Factor	Dead Load Factor
0.75	0.75	0.9	1.2

SOIL OVERTURNING ANALYSIS

Design Moment, $M_{u,Design}$ (k-ft)	Nominal Overturning Capacity, $\Phi_n M_n$ (k-ft)	Soil Overturning Usage, $M_{u,Design} / \Phi_n M_n$
5,199.06	8,157.46	63.7%



SOIL BEARING ANALYSIS

Net Bearing Pressure, $P_{u,Net}$ (psf)	Nominal Bearing Capacity, $\Phi_b P_n$ (psf)	Bearing Pressure Controlling Load Direction	Soil Bearing Usage, $P_{u,net} / \Phi_b P_n$
1,878.00	8,018.00	Diagonal to Pad Edge	23.4%



SOIL SLIDING SHEAR ANALYSIS

Applied Shear Force, V_u (k)	Friction Resistance (k)	Passive Pressure (psf)	Passive Pressure Resistance (k)	Nominal Shear Capacity, Φ_s V_n (k)	Soil Sliding Shear Usage, $V_u / \Phi_s V_n$
52.15	268.25	512.6	29.73	223.48	23.0%





PINNACLE TELECOM GROUP

Professional and Technical Services

APPROVED

By Judith Brice at 5:03 pm, Sep 12, 2025

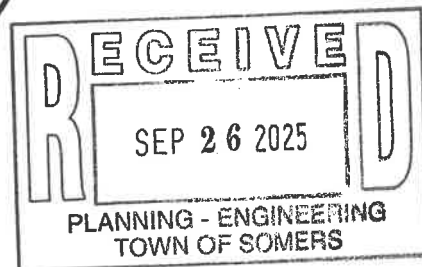
ANTENNA SITE FCC RF COMPLIANCE ASSESSMENT AND REPORT FOR MUNICIPAL SUBMISSION

PREPARED FOR

T-MOBILE NORTHEAST LLC

**SITE NY09122A
2580 ROUTE 35
KATONAH, NY**

AUGUST 29, 2025



CONTENTS

INTRODUCTION AND SUMMARY	3
ANTENNA AND TRANSMISSION DATA	5
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COMPLIANCE CONCLUSION	12

CERTIFICATION

Appendix A. BACKGROUND ON THE FCC MPE LIMIT

INTRODUCTION AND SUMMARY

At the request of T-Mobile Northeast LLC ("T-Mobile"), Pinnacle Telecom Group has performed an independent expert assessment of radiofrequency (RF) levels and related FCC compliance for proposed modifications to existing wireless base station antenna operations on a tree pole located at 2580 Route 35 in Katonah, NY. T-Mobile refers to the antenna site by the code "NY09122A", and the proposed modifications will facilitate a service upgrade and transmission in the 600 MHz, 700 MHz, 1900 MHz and 2100 MHz frequency bands licensed to it by the FCC.

The FCC requires all wireless antenna operators to perform an assessment of potential human exposure to radiofrequency (RF) fields emanating from all the transmitting antennas at a site whenever antenna operations are added or modified, and to ensure compliance with the Maximum Permissible Exposure (MPE) limit in the FCC's regulations. In this case, the compliance assessment needs to take into account the RF effects of other existing antenna operations at the site by AT&T and Verizon Wireless. Note that FCC regulations require any future antenna collocators to assess and assure continuing compliance based on the cumulative effects of all then-proposed and then-existing antennas at the site.

This report describes a mathematical analysis of RF levels resulting around the site in areas of unrestricted public access, that is, at street level around the site. The compliance analysis employs a standard FCC formula for calculating the effects of the antennas in a very conservative manner, in order to overstate the RF levels and to ensure "safe-side" conclusions regarding compliance with the FCC limit for safe continuous exposure of the general public.

The results of a compliance assessment can be explained in layman's terms by describing the calculated RF levels as simple percentages of the FCC MPE limit. If the reference for that limit is 100 percent, then calculated RF levels higher than 100 percent indicate the MPE limit is exceeded, while calculated RF levels consistently lower than 100 percent serve as a clear and sufficient demonstration of compliance with the MPE limit. On the other hand, calculated RF levels consistently below 100 percent serve as a clear and sufficient demonstration of

compliance with the MPE limit. We can (and will) also describe the overall worst-case result via the “plain-English” equivalent “times-below-the-limit” factor.

The results of the FCC RF compliance assessment in this case are as follows:

- At street level, the conservatively calculated maximum RF level from the combination of proposed and existing antenna operations at the site is 2.2914 percent of the FCC general population MPE limit – well below the 100-percent reference for compliance. In other words, the worst-case calculated RF level – intentionally and significantly overstated by the calculations – is still more than 40 times below the FCC limit for safe, continuous exposure of the general public.
- The results of the analysis provide a clear demonstration that the RF levels from the combination of proposed and existing antenna operations will satisfy the criteria for controlling potential human exposure to RF fields, and the antenna operations will be in full compliance with the FCC regulations and limits concerning RF safety. Moreover, because of the conservative methodology and operational assumptions applied in the analysis, RF levels actually caused by the antennas will be even less significant than the calculation results here indicate.

The remainder of this report provides the following:

- relevant technical data on the T-Mobile antenna operations at the site, as proposed to be modified, as well as on the other existing antenna operations;
- a description of the applicable FCC mathematical model for assessing MPE compliance, and application of the relevant data to that model; and
- an analysis of the results, and a compliance conclusion for the antenna operations at this site.

In addition, Appendix A provides background on the FCC MPE limit along with a list of key references on compliance.

ANTENNA AND TRANSMISSION DATA

The table that follows summarizes the relevant data for the T-Mobile antenna operations, as proposed to be modified.

General Data – T-Mobile	
Frequency Bands	600 MHz, 700 MHz, 1900 MHz and 2100 MHz
Service Coverage Type	Sectorized
Antenna Type	Directional Panel
Antenna Centerline Height AGL	105 ft.
Antenna Line Loss	Conservatively ignored (assumed 0 dB)
600 MHz Antenna Data	
Antenna Models (Max. Gain)	RFS APXVAARR24_43-U-NA20 (15.1 dB)
Input Power per Sector	120 watts
700 MHz Antenna Data	
Antenna Models (Max. Gain)	RFS APXVAARR24_43-U-NA20 (15.5 dB)
Input Power per Sector	80 watts
1900 MHz Antenna Data	
Antenna Models (Max. Gain)	Commscope VV-65A-R1 (17.7 dB)
Input Power per Sector	240 watts
2100 MHz Antenna Data	
Antenna Model (Max. Gain)	Commscope VV-65A-R1 (18.2 dB)
Input Power per Sector	160 watts

As noted at the outset, there are other existing wireless antenna operations to include in the compliance assessment. For each of the wireless operators, we will conservatively assume operation with maximum channel capacity and at maximum transmitter power per channel to be used by each wireless operator in each of their respective FCC-licensed frequency bands.

AT&T is licensed to operate in the 700, 850, 1900, 2100 and 2300 MHz frequency bands. In the 700 MHz band, AT&T uses 370 watts of input power per sector. In the 850 MHz band, AT&T uses 160 watts of input power per sector. In the 1900 MHz band, AT&T uses 160 watts of input power per sector. In the 2100 MHz band,

AT&T uses 160 watts of input power per sector. Lastly, in the 2300 MHz band, AT&T uses 100 watts of input power per sector.

Verizon Wireless is licensed to operate in the 746, 869, 1900, 2100, 3500, 3700 MHz and 28 GHz frequency bands. In the 746 MHz band, Verizon uses four 40-watt channels per sector. In the 869 MHz band, Verizon uses four 40-watt channels per sector. In the 1900 MHz band, Verizon uses four 40-watt channels per sector. In the 2100 MHz band, Verizon uses Verizon uses four 40-watt channels per sector. In the 3500 MHz band, Verizon uses two 0.622-watt channels per sector. In the 3700 MHz band, Verizon uses four 50-watt channels per sector. Lastly, in the 28 GHz band, Verizon uses four 0.44-watt channels per sector.

Compliance Analysis

FCC Office of Engineering and Technology Bulletin 65 (“OET Bulletin 65”) provides guidelines for mathematical models to calculate the RF levels at various points around transmitting antennas.

At street-level around an antenna site (in what is called the “far field” of the antennas), the RF levels are directly proportional to the total antenna input power and the relative antenna gain in the downward direction of interest – and the levels are otherwise inversely proportional to the square of the straight-line distance to the antenna.

Conservative calculations also assume the potential RF exposure is enhanced by reflection of the RF energy from the intervening ground. Our calculations will assume a 100% “perfect”, mirror-like reflection, which is the absolute worst-case scenario.

The formula for street-level compliance assessment for any given wireless antenna operation is as follows:

$$\text{MPE\%} = (100 * \text{Chans} * \text{TxPower} * 10^{(\text{Gmax-Vdisc}/10)} * 4) / (\text{MPE} * 4\pi * R^2)$$

where the individual components of the formula are shown on the next page

MPE%	=	RF level, expressed as a percentage of the MPE limit applicable to continuous exposure of the general public
100	=	factor to convert the raw result to a percentage
Chans	=	maximum number of RF channels per sector
TxPower	=	maximum transmitter power per channel, in milliwatts
$10^{(G_{\max}-V_{\text{disc}}/10)}$	=	numeric equivalent of the relative antenna gain in the downward direction of interest; data on the antenna vertical-plane pattern is taken from manufacturer specifications
4	=	factor to account for a 100-percent-efficient energy reflection from the ground, and the squared relationship between RF field strength and power density ($2^2 = 4$)
MPE	=	FCC general population MPE limit
R	=	straight-line distance from the RF source to the point of interest, centimeters

The MPE% calculations are performed out to a distance of 500 feet from the facility to points 6.5 feet (approximately two meters, the FCC-recommended standing height) off the ground, as illustrated in Figure 2, below.

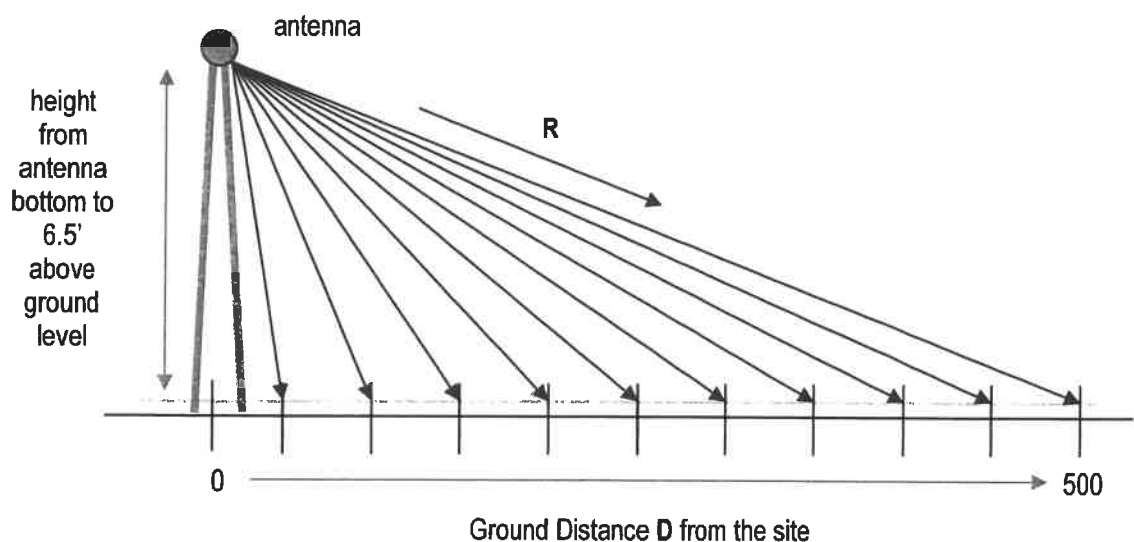


Figure 2. MPE% Calculation Geometry

It is popularly understood that the farther away one is from an antenna, the lower the RF level – which is generally but not universally correct. The results of MPE% calculations fairly close to the site will reflect the variations in the vertical-plane antenna pattern as well as the variation in straight-line distance to the antennas.

Therefore, RF levels may actually increase slightly with increasing distance within the range of zero to 500 feet from the site. As the distance approaches 500 feet and beyond, though, the antenna pattern factor becomes less significant, the RF levels become primarily distance-controlled and, as a result, the RF levels generally decrease with increasing distance. In any case, the RF levels more than 500 feet from a wireless antenna site are well understood to be sufficiently low to be comfortably in compliance.

FCC compliance for a collocated antenna site is assessed in the following manner. At each distance point along the ground, an MPE% calculation is made for each antenna operation (including each frequency band), and the sum of the individual MPE% contributions at each point is compared to 100 percent, the normalized reference for compliance with the MPE limit. We refer to the sum of the individual MPE% contributions as “total MPE%”, and any calculated total MPE% result exceeding 100 percent is, by definition, higher than the FCC limit and represents non-compliance and a need to mitigate the potential exposure. If all results are consistently below 100 percent, on the other hand, that set of results serves as a clear and sufficient demonstration of compliance with the MPE limit.

Note that according to the FCC, when directional antennas (e.g., panels or dishes) are involved, the compliance assessments are based on the RF effect of a single (facing) sector or antenna, as the RF effects of directional antennas facing generally away from the point of interest are insignificant.

The following conservative methodology and assumptions are incorporated into the MPE% calculations on a general basis:

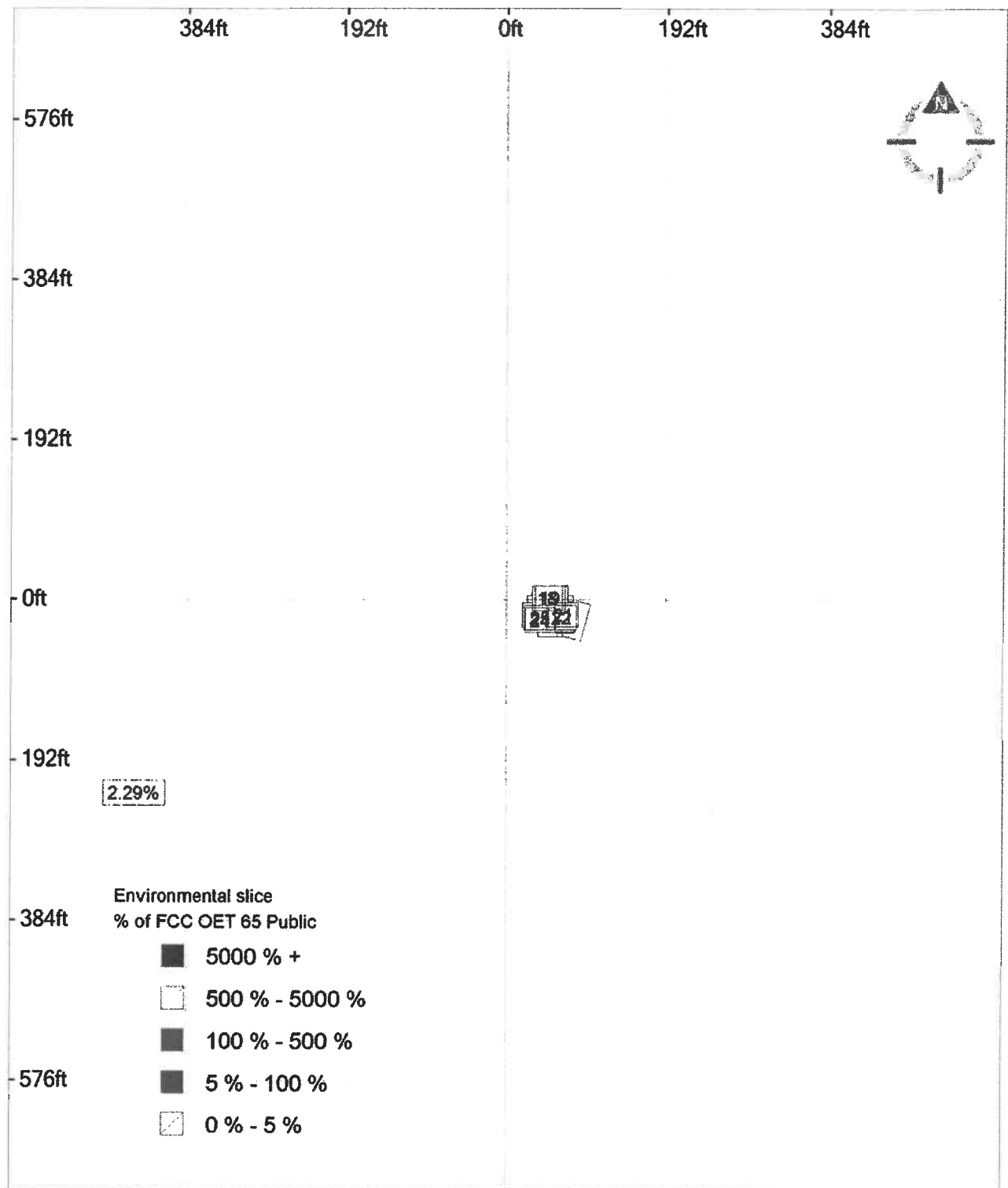
1. The antennas are assumed to be operating continuously at maximum power and maximum channel capacity.

2. The power-attenuation effects of shadowing or other obstructions to the line-of-sight path from the antenna to the point of interest are ignored.
3. The calculations intentionally minimize the distance factor (R) by assuming a 6'6" human and performing the calculations from the bottom (rather than the centerline) of each operator's lowest-mounted antenna, as applicable.
4. The calculations also conservatively take into account, when applicable, the different technical characteristics and related RF effects of the use of multiple antennas for transmission in the same frequency band.
5. The RF exposure at ground level is assumed to be 100-percent enhanced (increased) via a "perfect" field reflection from the intervening ground.

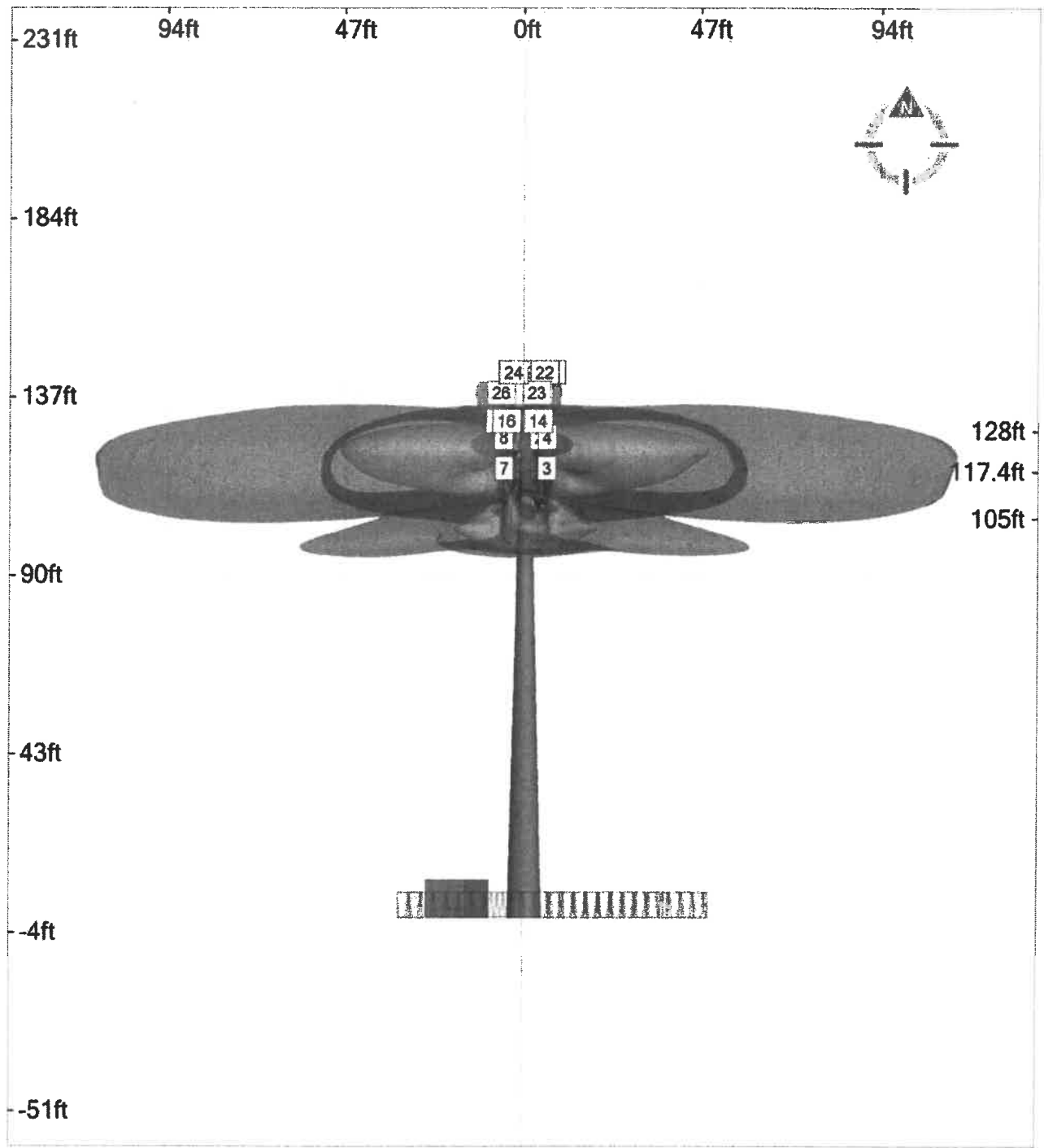
The net result of these assumptions is to significantly overstate the calculated RF exposure levels relative to the levels that will actually occur – and the purpose of this conservatism is to allow very "safe-side" conclusions about compliance.

The compliance analysis is performed using the IXUS EME Compliance Management Software.

The IXUS graphic outputs for the areas surrounding the T-Mobile antenna sectors are reproduced on the pages that follow.



IXUS – Street Level



IXUS – Elevation

Compliance Conclusion

According to the FCC, the MPE limit has been constructed in such a manner that continuous human exposure to RF fields up to and including 100 percent of the MPE limit is acceptable and safe.

The conservative analysis in this case shows that the maximum calculated RF level from the combination of proposed and existing antenna operations at the site is 2.2914 percent of the FCC general population MPE limit. In other words, the worst-case calculated RF level is more than 40 times below the FCC MPE limit.

The results of the calculations indicate clear compliance with the FCC MPE limit. Moreover, because of the extremely conservative calculation methodology and operational assumptions we applied in the analysis, RF levels actually caused by the antennas will be significantly lower than the calculation results here indicate.

CERTIFICATION

The undersigned verify as follows:

1. We have read and are familiar with the FCC regulations concerning RF safety and the control of human exposure to RF fields (47 CFR 1.1301 *et seq*).
2. To the best of our knowledge, the statements and information disclosed in this report are true, complete and accurate.
3. The analysis of site RF compliance provided herein is consistent with the applicable FCC regulations, additional guidelines issued by the FCC, and industry practice.
4. The results of the assessment indicate that the subject antenna operations were in full compliance with the FCC regulations concerning the control of potential RF exposure on the date tested.

/s/

Daniel J. Collins
Chief Technical Officer

Date

/s/

Peter M. Longo, PE
Staff Engineer
Pinnacle Telecom Group
New Jersey License No. 24GE03476100

Date

Appendix A. BACKGROUND ON THE FCC MPE Limit

FCC Rules and Regulations

As directed by the Telecommunications Act of 1996, the FCC has established limits for maximum continuous human exposure to RF fields.

The FCC maximum permissible exposure (MPE) limits represent the consensus of federal agencies and independent experts responsible for RF safety matters. Those agencies include the National Council on Radiation Protection and Measurements (NCRP), the Occupational Safety and Health Administration (OSHA), the National Institute for Occupational Safety and Health (NIOSH), the American National Standards Institute (ANSI), the Environmental Protection Agency (EPA), and the Food and Drug Administration (FDA). In formulating its guidelines, the FCC also considered input from the public and technical community – notably the Institute of Electrical and Electronics Engineers (IEEE).

The FCC's RF exposure guidelines are incorporated in Section 1.301 *et seq* of its Rules and Regulations (47 CFR 1.1301-1.1310). Those guidelines specify MPE limits for both occupational and general population exposure.

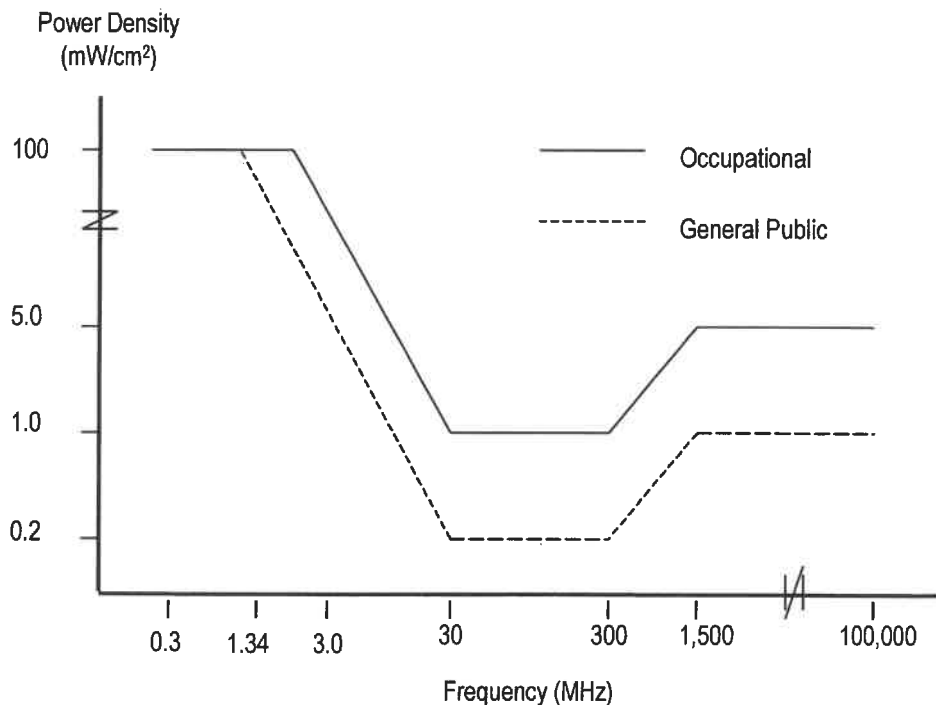
The specified continuous exposure MPE limits are based on known variation of human body susceptibility in different frequency ranges, and a Specific Absorption Rate (SAR) of 4 watts per kilogram, which is universally considered to accurately represent human capacity to dissipate incident RF energy (in the form of heat). The occupational MPE guidelines incorporate a safety factor of 10 or greater with respect to RF levels known to represent a health hazard, and an additional safety factor of five is applied to the MPE limits for general population exposure. Thus, the general population MPE limit has a built-in safety factor of 50. Continuous exposure at levels equal to or below the applicable MPE limits is considered to result in no adverse health effects on humans.

The reason for two tiers of MPE limits is based on an understanding and assumption that members of the general public are unlikely to have had appropriate RF safety training and may not be aware of the exposures they receive; occupational exposure in controlled environments, on the other hand, is assumed to involve individuals who have had such training, are aware of the exposures, and know how to maintain a safe personal work environment.

The FCC's RF exposure limits are expressed in two equivalent forms, using alternative units of field strength (expressed in volts per meter, or V/m), and power density (expressed in milliwatts per square centimeter, or mW/cm²). The table on the next page lists the FCC limits for both occupational and general population exposures, using the mW/cm² reference, for the different radio frequency ranges.

Frequency Range (F) (MHz)	Occupational Exposure (mW/cm ²)	General Public Exposure (mW/cm ²)
0.3 - 1.34	100	100
1.34 - 3.0	100	$180 / F^2$
3.0 - 30	$900 / F^2$	$180 / F^2$
30 - 300	1.0	0.2
300 - 1,500	$F / 300$	$F / 1500$
1,500 - 100,000	5.0	1.0

The diagram below provides a graphical illustration of both the FCC's occupational and general population MPE limits.



Because the FCC's RF exposure limits are frequency-shaped, the exact MPE limits applicable to the instant situation depend on the frequency range used by the systems of interest.

The most appropriate method of determining RF compliance is to calculate the RF power density attributable to a particular system and compare that to the MPE limit applicable to the operating frequency in question. The result is usually expressed as a percentage of the MPE limit.

For potential exposure from multiple systems, the respective percentages of the MPE limits are added, and the total percentage compared to 100 (percent of the limit). If the result is less than 100, the total exposure is in compliance; if it is more

than 100, exposure mitigation measures are necessary to achieve compliance.

References on FCC Compliance

47 CFR, FCC Rules and Regulations, Part 1 (Practice and Procedure), Section 1.1310 (Radiofrequency radiation exposure limits).

FCC Second Memorandum Opinion and Order and Notice of Proposed Rulemaking (FCC 97-303), *In the Matter of Procedures for Reviewing Requests for Relief From State and Local Regulations Pursuant to Section 332(c)(7)(B)(v) of the Communications Act of 1934 (WT Docket 97-192), Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation (ET Docket 93-62), and Petition for Rulemaking of the Cellular Telecommunications Industry Association Concerning Amendment of the Commission's Rules to Preempt State and Local Regulation of Commercial Mobile Radio Service Transmitting Facilities*, released August 25, 1997.

FCC First Memorandum Opinion and Order, ET Docket 93-62, *In the Matter of Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation*, released December 24, 1996.

FCC Report and Order, ET Docket 93-62, *In the Matter of Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation*, released August 1, 1996.

FCC Report and Order, Notice of Proposed Rulemaking, Memorandum Opinion and Order (FCC 19-126), *Proposed Changes in the Commission's Rules Regarding Human Exposure to Radiofrequency Electromagnetic Fields; Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies*, released December 4, 2019.

FCC Office of Engineering and Technology (OET) Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 97-01, August 1997.

FCC Office of Engineering and Technology (OET) Bulletin 56, "Questions and Answers About Biological Effects and Potential Hazards of RF Radiation", edition 4, August 1999.

**PLANNING BOARD –TOWN OF SOMERS
MEETING DATES FOR 2026
2nd WEDNESDAY OF THE MONTH**

Meeting Date	Evening	Staff\Consultant Submission Cut Off Date	Applicant's Sub. Cut Off Date
January 14, 2026	2 nd Wednesday	January 7, 2026	December 24, 2025
February 11, 2026	2 nd Wednesday	February 4, 2026	January 26, 2026
March 11, 2026	2 nd Wednesday	March 4, 2026	February 23, 2026
April 8, 2026	2 nd Wednesday	April 1, 2026	March 23, 2026
May 13, 2026	2 nd Wednesday	May 6, 2026	April 27, 2026
June 10, 2026	2 nd Wednesday	June 3, 2026	May 22, 2026
July 8, 2026	2 nd Wednesday	June 30, 2026	June 19, 2026
August 12, 2026	2 nd Wednesday	August 5, 2026	July 27, 2026
September 9, 2026	2 nd Wednesday	September 1, 2026	August 21, 2026
October 14, 2026	2 nd Wednesday	October 6, 2026	September 25, 2026
*November 18, 2026	3 rd Wednesday	November 10, 2026	October 29, 2026
December 9, 2026	2 nd Wednesday	December 2, 2026	November 19, 2026

ADOPTED:

Note Pursuant to §150-11 C. (1) of the Somers Code new applications shall not be considered by the Planning Board less than 31 days after the date of receipt by the Planning Board's professional staff of all required materials.

PLANNING BOARD MEETING APPLICANT'S SUBMISSION DATE IS 12 BUSINESS DAYS PRIOR TO MEETING DATE

STAFF AND CONSULTANT'S SUBMISSION DATE IS 5 BUSINESS DAYS PRIOR TO MEETING DATE.

***November 18th is the 3rd Thursday of the month, November 11th is Veteran's Day.**

**PLANNING BOARD –TOWN OF SOMERS
MEETING DATES FOR 2026 (IF NEEDED)
4th WEDNESDAY OF THE MONTH**

Meeting Date	Evening	Staff\Consultant Submission Cut Off Date	Applicant's Sub. Cut Off Date
January 28, 2026	4 th Wednesday	January 21, 2026	January 9, 2026
February 25, 2026	4 th Wednesday	February 18, 2026	February 6, 2026
March 25, 2026	4 th Wednesday	March 18, 2026	March 9, 2026
April 22, 2026	4 th Wednesday	April 15, 2026	April 6, 2026
May 27, 2026	4 th Wednesday	May 19, 2026	May 8, 2026
June 24, 2026	4 th Wednesday	June 17, 2026	June 8, 2026
July 22, 2026	4 th Wednesday	July 15, 2026	July 6, 2026
August 26, 2026	4 th Wednesday	August 19, 2026	August 10, 2026
September 23, 2026	4 th Wednesday	September 16, 2026	September 4, 2026
October 28, 2026	4 th Wednesday	October 21, 2026	October 9, 2026
November 25, 2026	4 th Wednesday	November 18, 2026	November 6, 2026
December 2026	4 th Wednesday	No Meeting	No Meeting

ADOPTED:

Note Pursuant to §150-11 C. (1) of the Somers Code new applications shall not be considered by the Planning Board less than 31 days after the date of receipt by the Planning Board's professional staff of all required materials.

PLANNING BOARD MEETING APPLICANT'S SUBMISSION DATE IS 12 BUSINESS DAYS PRIOR TO MEETING DATE

STAFF AND CONSULTANT'S SUBMISSION DATE IS 5 BUSINESS DAYS PRIOR TO MEETING DATE.