Agenda
Hailey Planning and Zoning Commission
Monday, July 21, 2025
5:30 p.m.

Hailey Planning and Zoning Meetings are open to the public, in person, and by electronic means when available. The city strives to make the meeting available virtually but cannot guarantee access due to platform failure, internet interruptions or other potential technological malfunctions. Participants may join our meeting virtually by the following means:

Join on your computer, mobile app, or room device.
Click here to join the meeting
Meeting ID: 249 576 139 181
Passcode: Ge6Z7Q
Download Teams | Join on the web

Or call in (audio only)
+1 469-206-8535,,602369677# United States, Dallas
Phone Conference ID: 602 369 677#

Call to Order

- Public Comment for items not on the Agenda.

Consent Agenda - ACTION ITEM

- CA 1 Motion to approve Findings of Fact, Conclusions of Law, and Decision of a Design Review Application, submitted by Nancy and William Schlag, and represented by Jay Cone of Jay Cone Architecture, for the construction of a new, 1,554 square foot mixed-use building consisting of 943 square feet of commercial space and a 611 square foot Accessory Dwelling Unit, located within the proposed structure. This project is located at 20 Comet Lane (Lot 2E, Block 5, Airport West Subdivision #2) within the Sales and Office Subdistrict (SCI-SO) Zoning District. **ACTION ITEM**

Public Hearing(s) - ACTION ITEM

- PH 1 Consideration of Preliminary Plat Application by Tanner Investments, LLC, with a proposal to subdivide Block 1 of the Sweetwater PUD Subdivision into 24 condominium units. This project, to be known as the Cascade Condominiums, is located within the Limited Business (LB) Zoning District. **ACTION ITEM**

- PH 2 Consideration of Conditional Use Permit Application by IWG – TLA Telecom, LLC, represented by Riga Geci, Fullerton Design Develop Construct, with the proposal to upgrade existing wireless equipment located at 1141 Airport Way, Unit 6 (Warehouse West Condos 30'x60' Tower Area 10.6%). **ACTION ITEM**

115 South Main Street Hailey, Idaho 83333 (208) 788-9815

- **PH 3** Consideration of Wireless Permit Application by IWG – TLA Telecom, LLC, represented by Riga Geci, Fullerton Design Develop Construct, with the proposal to upgrade existing wireless equipment located at 1141 Airport Way, Unit 6 (Warehouse West Condos 30'x60' Tower Area 10.6%). **ACTION ITEM**

Staff Reports and Discussion

- **SR 1** Meeting:
  - Monday, August 4, 2025: Cancelled
  - Monday, August 18, 2025: DIF Study

Adjourn by 8:00 PM - ACTION ITEM

115 South Main Street Hailey, Idaho 83333 (208) 788-9815

Return to Agenda

FINDINGS OF FACT, CONCLUSIONS OF LAW AND DECISION

On July 7, 2025, the Hailey Planning and Zoning Commission considered and approved a Design Review Application, submitted by Nancy and William Schlag, and represented by Jay Cone of Jay Cone Architecture, for the construction of a new, 1,554 square foot mixed-use building consisting of 943 square feet of commercial space and a 611 square foot Accessory Dwelling Unit, located within the proposed structure. This project is located at 20 Comet Lane (Lot 2E, Block 5, Airport West Subdivision #2) within the Sales and Office Subdistrict (SCI-SO) Zoning District.

The Hailey Planning and Zoning Commission enters these Findings of Fact, Conclusions of Law and Decision.

Applicant:	Nancy and William Schlag
Location:	20 Comet Lane (Lot 2E, Block 5, Airport West Subdivision #2)
Zoning & Lot Size:	Sales and Office Subdistrict (SCI-SO) Zoning District; 0.52 acres (22,762 square feet)

Notice: Notice for the public hearing was published in the Idaho Mountain Express and mailed to property owners within 300 feet on June 18, 2025.

Application: The Applicant proposed to construct a new 1,554 square foot mixed-use building consisting of 943 square feet of commercial space and a 611 square foot Accessory Dwelling Unit, located within the proposed structure. This project is located at 20 Comet Lane (Lot 2E, Block 5, Airport West Subdivision #2) within the Sales and Office Subdistrict (SCI-SO) Zoning District.

The mixed-use project proposed the following:

Commercial Use:

- 943 square feet of commercial space
- Office Space
- Storage
- Bathroom
- One (1) onsite accessible parking space provided

Accessory Dwelling Unit:

- 611 square feet of residential space (ADU)
- One (1) bedroom and one (1) bathroom
- Kitchen and great room
- Laundry and closet space
- 484 square foot outdoor patio
- One (1) onsite parking space provided

Access: Site access is located off the existing private streets, Comet Lane and Galaxy Lane via the existing Access Easement, which is intended to service the parcel.

SCI Industrial (SCI-SO):
The purpose of the sales and office subdistrict is to allow for a master planned office, technology and service park and associated sales and support uses, as well as a location for the sales and service of large or bulky retail goods, or goods associated directly with the building trades. The subdistrict is created to provide a location for those uses that might otherwise be appropriate in, but, by their nature, may be inappropriate for the central business district. The nature of those businesses which are appropriate for this subdistrict are those that require a substantial number of service vehicles, have a substantial portion of the building area dedicated to storage or processing, or consist of uses or scale of operation that are better accommodated outside the central business district. This article assumes that the following list of uses is not exhaustive and that other like uses may be permitted upon administrative review pursuant to subsection 17.01.050B of this title, as amended. (Ord. 1191, 2015)

The proposed mixed-use development project aligns with the purpose and intent of the SCI-SO Zoning District, as the building design, exterior features, and use characteristics support office space and other light industrial types of uses, while thoughtfully integrating an employee or employer-owned housing component as a subordinate use.

Reasoned Statement: These Findings of Fact, Conclusions of Law, and Decision ("Findings") represent the summary, and majority opinion of the determinative body of the City of Hailey pursuant to Idaho Code. These Findings represent a final decision, after extensive on-the-record deliberations, as more completely documented in the Minutes therefore, and the recordings thereof. These Findings represent a unanimous approval of the Hailey Planning and Zoning Commission, after deliberations on each of the criteria detailed herein below.

Notably, the primary issue of concern with this Application was the proposed building's exterior color was too dark to be complementary to other building colors of the area. The Commission requested that the Applicant consider the utilization of variation in colors, which may include warmer tones, a pop of color, or lighter shades of black, to better complement the character of the district. The Commission approved the Design Review Application with a new Condition of Approval that the Applicant modify and/or provide greater variation in exterior colors, which is to be reviewed and approved administratively by two (2) Commissioners prior to the issuance of a Building Permit.

On July 7, 2025, the Commission discussed and unanimously approved the Design Review Application, submitted by Overland West Inc., represented by Jay Cone Architecture, for the construction of a new 6,654 gross square foot mixed-use building consisting of 5,657 square feet of commercial space and a 997 square foot Accessory Dwelling Unit, to be located within the proposed structure. This project is located at 1551 Aviation Drive (Lot 3A, Block 34, Airport West Subdivision #2) within the SCI - Industrial (SC-I) Zoning District.

Background: On August 5, 2024, the Hailey Planning and Zoning Commission considered a Design Review Pre-Application submitted by Nancy and William Schlag, and represented by Jay Cone of Jay Cone Architecture, for the construction of this new, 1,554 square foot mixed-use building. At this meeting, no decision was made; however, the Commission suggested the following:

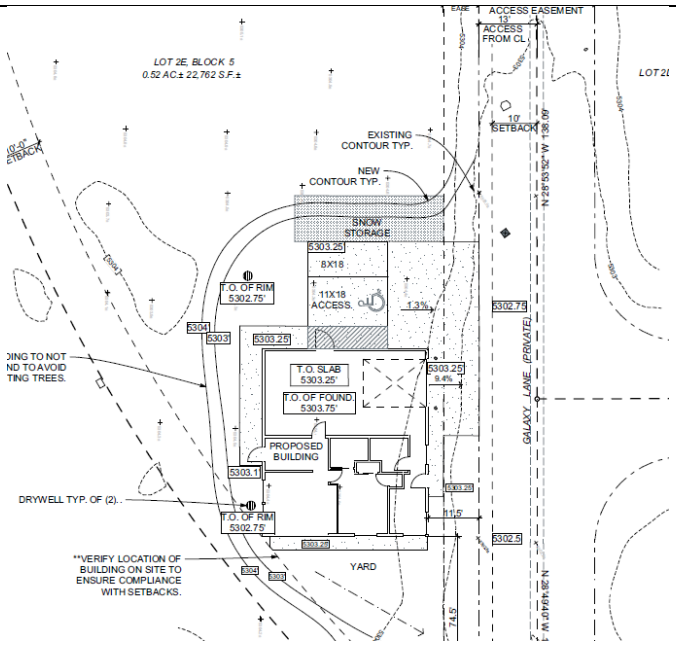
- Building Design: The Commission suggested the Applicant integrate additional design and/or building details, like pop put features, colors, visual interest with windows, awnings or light

shelves, to enhance the exterior. Specifically, the Commission suggested that extra attention to the east elevation, by adding more windows and interest to façade, be incorporated.

- Site Plan: The Commission asked the Applicant to highlight the live-work component and clarify on the plan set the primary use versus the accessory use.

Procedural History: The Design Review Application was submitted on June 4, 2025, and certified complete on June 12, 2025. A public hearing before the Planning and Zoning Commission is scheduled for July 7, 2025, in the Hailey City Council Chambers and virtually via GoTo Meeting.

General Requirements for all Design Review Applications				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and** *Staff Comments*
☒	☐	☐	**17.06.050**	**Complete Application**
☒	☐	☐	**Department Comments**	**Engineering**:
				Life/Safety:
				Water: *The water meter vault is located in the asphalt on Comet Lane, next to the fire hydrant that the Applicant will need to connect to. The Applicant will also need to leave all the water main line valves in the area exposed and accessible for inspection.* **Wastewater:** *The sewer stub for this lot is at the center of the lot on the north end, edge of right of way. This stub would need to be used.*
				Building*: No comments*
				Streets, Landscaping, Other:
☐	☐	☒	**17.08A Signs**	**17.08A Signs: The applicant is hereby advised that a sign permit is required for any signage exceeding four square feet in sign area. Approval of signage areas or signage plan in Design Review does not constitute approval of a sign permit.**
			Staff Comments	*N/A, no signage is proposed at this time. if the Applicant chooses to add signage at a later date, a Sign Permit Application shall be submitted and approved.*
☒	☐	☐	**17.09.040 On-site Parking Req.**	**See Section 17.09.040 for applicable code.**
			Staff Comments	*The proposed project is located in the SCI-SO Industrial Zoning District. The Hailey Municipal Code requires a minimum of one (1) parking space per 1,000 square feet of commercial use. The project is approximately 1,554 square feet in size, with 943 square feet being commercial space. This requires the project to provide a total of one (1) onsite parking spaces to fulfill this standard. The Applicant has provided one (1) accessible onsite parking space for the commercial component of the development.* *The Accessory Dwelling Unit requires one (1) parking space per 1,000 square feet; the Applicant has provided one (1) parking space for the 611 square foot ADU. The Applicant has proposed a total of two (2) onsite spaces. The onsite parking requirement is met.*

				 *Findings: Compliance. This standard has been met.*
☐	☐	☒		**17.09.040.06: EXCESS OF PERMITTED PARKING:** **A. Approval Required: No use shall provide on-site parking for more than two hundred percent (200%) of the number of spaces required by this chapter unless permitted by specific action of the commission. Applications for parking in excess of that normally permitted will be heard by the commission as part of other applications, or, where no other application is pertinent, under the notice and hearing procedures set forth for design review.** *N/A- Site parking meets requirement.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.08C.040 Outdoor Lighting Standards**	**17.08C.040 General Standards** **a. All exterior lighting shall be designed, located and lamped in order to prevent:** **1. Overlighting;** **2. Energy waste;** **3. Glare;** **4. Light Trespass;** **5. Skyglow.** **b. All non-essential exterior commercial and residential lighting is encouraged to be turned off after business hours and/or when not in use. Lights on a timer are encouraged. Sensor activated lights are encouraged to replace existing lighting that is desired for security purposes.** **c. Canopy lights, such as service station lighting shall be fully recessed or fully shielded so as to ensure that no light source is visible from or causes glare on public rights of way or adjacent properties.** **d. Area lights. All area lights are encouraged to be eighty-five (85) degree full cut-off type luminaires.** **e. Idaho Power shall not install any luminaires after the effective date of this Article that lights the public right of way without first receiving approval for any such application by the Lighting Administrator.**

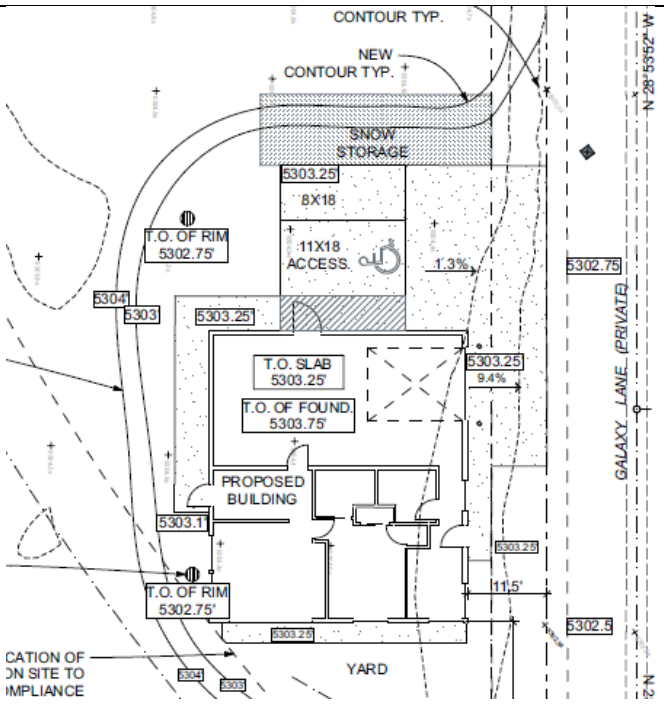
			Staff Comments	*The Applicant is proposing dark bronze wall mounted light fixtures for onsite exterior lighting; the light fixtures are 15 Watt, 3000K A-19 LED = 1600 Lumens.*  *Findings: Compliance. This standard has been met.*
☒	☐	☐	**Bulk Requirements**	**Zoning District: SCI-SO Industrial Zoning District.** **Maximum Height: 35' within the SCI District** **Required Setbacks:** - **Front Yard: 10** - **Side Yards: 10** - **Rear Yard: 10** - **Lot Coverage: 70%**
			Staff Comments	*Zoning District(s): SCI-SO Industrial Zoning District* *Proposed Height: 22'.1"* *Proposed Setbacks:* - *Front: 10 feet* - *Rear: 10 feet* - *Sides: 10 feet* - *Lot coverage: 15%* *Lot Coverage: The allowed lot coverage for this parcel is 70%. The lot size is 22,762 square feet with a total proposed building footprint of 1,554 square feet in size. Given this information, lot coverage equates to 15%, of proposed lot coverage, which is well below the maximum allowed coverage.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.070(A)1 Street Improvements Required**	**Sidewalks and drainage improvements are required in all zoning districts, except as otherwise provided herein.**
			Staff Comments	*All public right-of-way sidewalks and drainage improvements have been met. No in-lieu fees are required at this time; however, any enhancements to the public right-of-way shall meet City Standards, receive approval via an Encroachment Permit, and final design of said improvements shall be reviewed by City Staff prior to issuance of a Building Permit. These items have been made Conditions of Approval.* *Findings: Compliance. This standard has been met.*

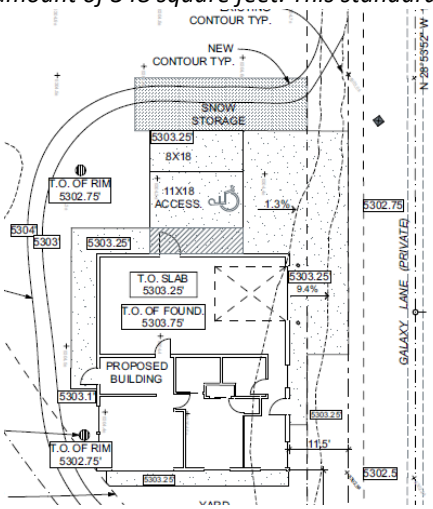
☐	☐	☒	**17.06.070(B) Required Water System Improvements**	**In the Townsite Overlay District, any proposal for new construction or addition of a garage accessing from the alley, where water main lines within the alley are less than six (6) feet deep, the developer shall install insulating material (blue board insulation or similar material) for each and every individual water service line and main line between and including the subject property and the nearest public street, as recommended by the City Engineer.**
			Staff Comments	*N/A - No alley access is proposed nor exists.* *Findings: Compliance. This standard has been met.*

Design Review Requirements for Non-Residential, Multifamily, and/or Mixed-Use Buildings within the City of Hailey

1. Site Planning: 17.06.080(A)1, items (a) thru (n)

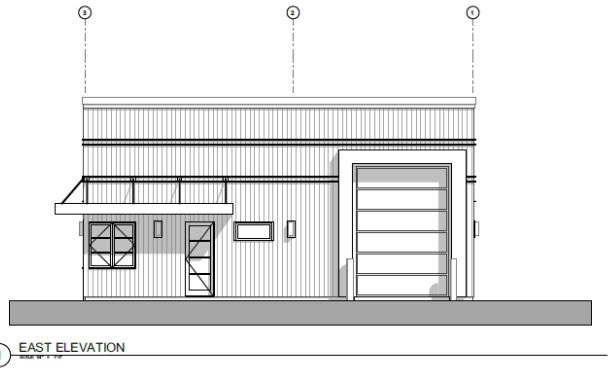
Compliant			Standards and Staff Comments	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.06.080(A)1a**	**a. The location, orientation and surface of buildings shall maximize, to the greatest extent possible sun exposure in exterior spaces to create spaces around buildings that are usable by the residents and allow for safe access to buildings.**
			Staff Comments	*While most of the adjoining parcels are vacant, the proposed building's primary walls are oriented east/west, which is consistent with other industrial properties to the west, and throughout the subdivision. An open space area is proposed to be located toward the southern portion of the building, providing a usable space for the residents of the ADU as required by code.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)1b**	**b. All existing plant material shall be inventoried and delineated, to scale, and noted whether it is to be preserved, relocated or removed. Removal of trees larger than 6-inch caliper proposed to be removed require an arborist review. Any tree destroyed or mortally injured after previously being identified to be preserved, or removed without authorization, shall be replaced with a species of tree found in the Tree Guide and shall be a minimum of 4-inch caliper.**
			Staff Comments	*The site contains some existing mature trees along the northwestern side of the parcel that will remain in place.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1c**	**c. Site circulation shall be designed so pedestrians have safe access to and through the site and to building.**
			Staff Comments	*Access to the site is proposed off Galaxy Lane. Safe pedestrian access is provided through a new paved driveway and a walkway which leads to the front of the commercial building as well as the rear of the building where the entrance to the ADU is located.*

				 *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1d**	**d. Building services including loading areas, trash storage/pickup areas and utility boxes shall be located at the rear of a building; the side of the building adjacent to an internal lot line may be considered as an alternate location. These areas shall be designed in a manner to minimize conflict among uses and shall not interfere with other uses, such as snow storage. These areas shall be screened with landscaping, enclosures, fencing or by the principal building.**
			Staff Comments	*The Applicant is proposing rollout trash bins that will be kept inside and brought out during waste collection. No dumpster is proposed for the site, or use.* *The proposed meter is located at the back of the building and will be screened by a fence. This has been made Condition of Approval.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)1e**	**e. Where alleys exist, or are planned, they shall be utilized for building services.**
			Staff Comments	*N/A. There is no existing alley to be utilized for building services.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)1f**	**f. Vending machines located on the exterior of a building shall not be visible from any street.**
			Staff Comments	*N/A. No Vending Machines are proposed with this project.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1g**	**g. On-site parking areas shall be located at the rear of the building and screened from the street. Parking and access shall not be obstructed by snow accumulation. *(NOTE: If project is located in Airport West Subdivision, certain standards may apply that are not listed here. See code for details.)*** **i. Parking areas located within the SCI zoning district may be located at the side or rear of the building.** **ii. Parking areas may be considered at the side of buildings within the B, LB, TI and LI zoning districts provided a useable prominent**

				entrance is located on the front of the building and the parking area is buffered from the sidewalk adjacent to the street.
			Staff Comments	*The proposed parking will be accessed via the new private entrance located off Galaxy Lane. The onsite parking is located on the north side of the building near the commercial component of the development.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.09.020.02**	**Loading Space Requirements and Dimensions: The following regulations apply to all commercial and industrial uses with onsite loading areas:** **a. Requirements: One loading space shall be provided for any single retail, wholesale, or warehouse occupancy with a floor area in excess of 4,000 square feet, except grocery and convenience stores where one loading space shall be provided for a floor area in excess of 1,000 square feet. An additional loading space shall be required for every additional 10,000 square feet of floor area, except grocery and convenience stores where an additional loading space shall be required for every additional 5,000 square feet of floor area. Such spaces shall have a minimum area of 500 square feet, and no dimension shall be less than 12'.**
			Staff Comments	*N/A, as no loading space is required.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)1h**	**h. Access to on-site parking shall be from the alley or, if the site is not serviced by an alley, from a single approach to the street to confine vehicular/pedestrian conflict to limited locations, allow more buffering of the parking area and preserve the street frontage for pedestrian traffic.**
			Staff Comments	*N/A, as there is no existing alley. The site and onsite parking area can be accessed via Galaxy Lane, as contemplated during the entitlement process of the Airport West Subdivision.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1i**	**i. Snow storage areas shall be provided on-site as follows: where practical and sited in a manner that is accessible to all types of snow removal vehicles of a size that can accommodate moderate areas of snow.**
			Staff Comments	*The proposed snow storage areas are located north and adjacent to the proposed onsite parking spaces. The improved hardscape for the project is 1,389 square feet which requires 348 square feet of snow storage. Onsite snow storage areas are proposed in the amount of 348 square feet. This standard has been met.*  *Findings: Compliance. This standard has been met.*

☒	☐	☐	**17.06.080(A)1j**	**j. Snow storage areas shall not be less than 25% of the improved parking and vehicle and pedestrian circulation areas.**
			Staff Comments	*Please refer to Section 17.06.080(A)1i for further information.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1k**	**k. A designated snow storage area shall not have any dimension less than 10 feet.**
			Staff Comments	*Please refer to Section 17.06.080(A)1i for further information.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1l**	**l. Hauling of snow from downtown areas is permissible where other options are not practical.**
			Staff Comments	*Please refer to Section 17.06.080(A)1i for further information.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)1m**	**m. Snow storage areas shall not impede parking spaces, vehicular and pedestrian circulation or line of sight, loading areas, trash storage/pickup areas, service areas or utilities.**
			Staff Comments	*Please refer to Section 17.06.080(A)1i for further information.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)1n**	**n. Snow storage areas shall be landscaped with vegetation that is salt-tolerant and resilient to heavy snow.**
			Staff Comments	*N/A There is no proposed landscaping within the snow storage areas.* *Findings: Compliance. This standard has been met.*

2. Building Design: 17.06.080(A)2, items (a) thru (m)

Compliant			Standards and Staff Comments	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.06.080(A)2a**	**a. The proportion, size, shape, and rooflines of new buildings shall be compatible with surrounding buildings.**
			Staff Comments	*The proposed building complements several of the surrounding industrial properties with an east/west orientation. The articulation of the rooflines, awnings and various sized windows complement the surrounding area.*  1 EAST ELEVATION *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)2b**	**b. Standardized corporate building designs are prohibited.**
			Staff Comments	*N/A, as the proposed building design is not a standardized corporate building design.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2c**	**c. At ground level, building design shall emphasize human scale, be pedestrian oriented and encourage human activity and interaction. Site planning shall include**

				designated seating areas, picnic tables, pavilions, or other amenities that provide usable spaces for employees and pedestrians alike.
			Staff Comments	*The Applicant has integrated the building to the surrounding site and greater area. Various windows and awnings emphasize human scale and are pedestrian oriented to encourage human activity.* *The exterior open space provided for the residents of the mixed-use building, and a mixture of assorted new landscaping encourages human activity and interaction. These include turf, trees and shrubs. Please refer to Section 17.06.080(A)4d for further details.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2d**	**d. The front façade of buildings shall face the street and may include design features such as windows, pedestrian entrances, building off-sets, projections, architectural detailing, courtyards and change in materials or similar features to create human scale and break up large building surfaces and volumes.**
			Staff Comments	*Various materials have been incorporated along all the elevations, which are visible from both Comet Lane and Galaxy Lane, to reduce building mass and large building surfaces. The east and west elevation wall mass is broken up by the numerous sized windows, awnings and a bay door.* *The mixed-use building is proposed to incorporate a mixture of exterior siding materials, including wood accents at the underside of the soffit on the light shelves and on the interior sides of the exaggerated trim at the garage doors. The Commission may wish to discuss the incorporation of another exterior material color or feature to reduce the overall massing of the building.*  2 Southeast *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)2e**	**e. Any addition onto or renovation of an existing building shall be designed to create a cohesive whole.**
			Staff Comments	*N/A, as no expansion is planned at this time.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2f**	**f. All exterior walls of a building shall incorporate the use of varying materials, textures, and colors.**
			Staff Comments	*A variety of materials will be used on the exterior, as described in Section 17.06.080(A)2d above.* *Findings: Compliance. This standard has been met.*

☒	☐	☐	**17.06.080(A)2g**	**g. Exterior buildings colors and materials shall be integrated appropriately into the architecture of the building and be harmonious within the project and with surrounding buildings.**
			Staff Comments	*Building colors are shown on the elevations. Colors are broken on various elements by incorporating wood accents to help break up mass and be harmonious with other neighboring buildings. Please refer to Section 17.06.080(A)2d above for further detail.* *The Commission discussed the proposed color palate of the building at great length and agreed that the building's exterior color was too dark to be complementary to other building colors of the area. As such, the Commission suggested the Applicant consider the utilization of variation in colors, which may include warmer tones, a pop of color, or lighter shades of black, to better complement the character of the district. The Applicant was amenable to exploring greater color variation with the Owners and agreed to present the revised color palate to two (2) members of the Commission as an Administrative review and approval prior to Building Permit submittal. This has been made a Condition of Approval.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2h**	**h. Flat-roofed buildings over two stories in height shall incorporate roof elements such as parapets, upper decks, balconies or other design elements.**
			Staff Comments	*The proposed building Is not over two stories in height and proposes a variety of materials, to provide human scale to the building façades.*  3 East *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2i**	**i. All buildings shall minimize energy consumption by utilizing alternative energy sources and/or passive solar techniques. At least three (3) of the following techniques, or an approved alternative, shall be used to improve energy cost savings and provide a more comfortable and healthy living space:** **i. Solar Orientation. If there is a longer wall plane, it shall be placed on an east-west axis. A building's wall plane shall be oriented within 30 degrees of true south.** **ii. South facing windows with eave coverage. At least 40% of the building's total glazing surface shall be oriented to the south, with roof overhang or awning coverage at the south.** **iii. Double glazed windows.**

				iv. Windows with Low Emissivity glazing. **v. Earth berming against exterior walls** **vi. Alternative energy. Solar energy for electricity or water heating, wind energy or another approved alternative shall be installed on-site.** **vii. Exterior light shelves. All windows on the southernmost facing side of the building shall have external light shelves installed.**
			Staff Comments	*The building incorporates the following techniques that minimize its energy consumption:* - *All windows will be double glazed* - *Low E Glazing* - *Light shelves on the southernmost side of the building* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2j**	**j. Gabled coverings, appropriate roof pitch, or snow clips and/or gutters and downspouts shall be provided over all walkways and entries to prevent snow from falling directly onto adjacent sidewalks.**
			Staff Comments	*The front entrances to the ADU and the office will be covered, which will retain snow. All drainage from the flat roof will drain to the interior, or to landscape gutters and drywell.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)2k**	**k. Downspouts and drains shall be located within landscape areas or other appropriate locations where freezing will not create pedestrian hazards.**
			Staff Comments	*Downspouts from the building appear to be routed underground to drywells. All downspouts, overflow downspouts, and roof leaders will either drain into drywells or into landscape areas only, and not onto pedestrian and hardscape locations.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)2l**	**l. Vehicle canopies associated with gas stations, convenience stores or drive-through facilities shall have a minimum roof pitch of 3/12 and be consistent with the colors, material and architectural design used on the principal building(s).**
			Staff Comments	*NA, as no drive-through canopies are proposed.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)2m**	**m. A master plan for signage is required to ensure the design and location of signs is compatible with the building design and compliance with Article 8.**
			Staff Comments	*N/A, as a Master Signage Plan is not required of a single-tenant building.* *Findings: Compliance. This standard has been met.*

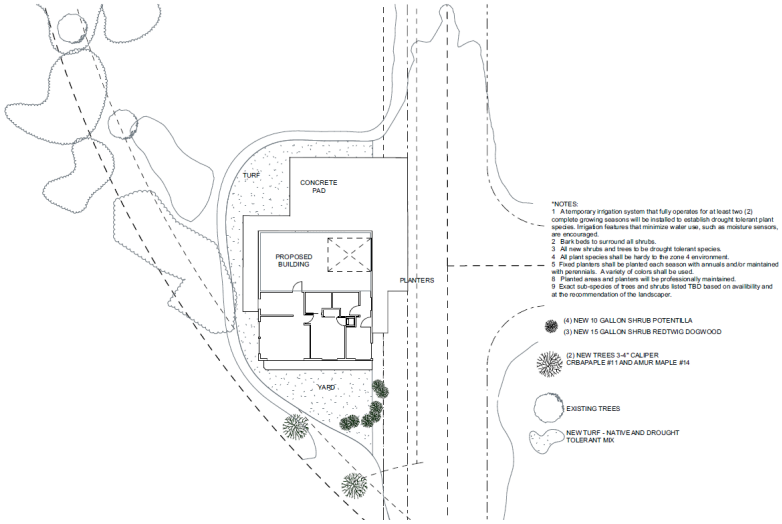
3. Accessory Structures, Fences and Equipment/Utilities: 17.06.080(A)3, items (a) thru (i)

Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**17.06.080(A)3a**	**a. Accessory structures shall be designed to be compatible with the principal building(s).**
			Staff Comments	*N/A. No Accessory Structure is proposed.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3b**	**b. Accessory structures shall be located at the rear of the property.**
			Staff Comments	*N/A . No Accessory Structure is proposed.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3c**	**c. Walls and fences shall be constructed of materials compatible with other materials used on the site.**

			Staff Comments	*N/A. No Accessory structure is proposed.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3d**	**d. Walls and fencing shall not dominate the buildings or the landscape. Planting should be integrated with fencing in order to soften the visual impact.**
			Staff Comments	*NA. No fence is proposed at this time.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3e**	**e. All roof projections including, roof-mounted mechanical equipment, such as heating and air conditioning units, but excluding solar panels and Wind Energy Systems that have received a Conditional Use Permit, shall be shielded and screened from view from the ground level of on-site parking areas, adjacent public streets and adjacent properties.**
			Staff Comments	*N/A. No roof-mounted mechanical equipment is proposed with this project. Where roof or ground-mounted mechanical equipment are proposed, said equipment shall be shielded and screened from view. This has been made a Condition of Approval.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3f**	**f. The hardware associated with alternative energy sources shall be incorporated into the building's design and not detract from the building and its surroundings.**
			Staff Comments	*N/A. No alternative energy sources are proposed with this project.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)3g**	**g. All ground-mounted mechanical equipment, including heating and air conditioning units, and trash receptacle areas shall be adequately screened from surrounding properties and streets by the use of a wall, fence, or landscaping, or shall be enclosed within a building.**
			Staff Comments	*All service lines into the property shall be installed underground and no service equipment shall be placed on utility poles.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)3h**	**h. All service lines into the subject property shall be installed underground**
			Staff Comments	*All service lines shall be installed underground. City Staff requests that, if applicable, transformer locations be shown on the Building Permit drawings.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)3i**	**i. Additional appurtenances shall not be located on existing utility poles.**
			Staff Comments	*N/A, as no additional appurtenances are proposed.* *Findings: Compliance. This standard has been met.*

4. Landscaping: 17.06.080(A)4, items (a) thru (n)

Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.06.080(A)4a**	**a. Only drought tolerant plant species and/or xeriscape specific plant materials shall be used, as specified by the Hailey Landscaping Manual or an approved alternative.**
			Staff Comments	*Drought tolerant specific plant materials are proposed. The Applicant is proposing the following landscaping onsite:* *Trees* - *Four (4) new 3-4" caliper Crab Apple Trees* - *Existing trees along the western northern lot line of the property will remain in place* *Shrubs*

				- *Four (4) new Potentilla at 10 gallons* - *Three (3) new Redtwig Dogwood at 15 gallons* *Misc. Landscaping:* - *New turf, native and drought tolerant, is proposed for the outdoor space along the western portion of the lot.* - *A temporary irrigation system that fully operates for at least two (2) complete growing seasons will be installed to establish drought tolerant plant species. Irrigation features that minimize water use, such as moisture sensors, will also be installed.* - *Fixed planters shall be planted each season, with annuals and or maintained with perennials. A variety of colors shall be used.* - *Bark beds to surround all shrubs.* - *All planted areas and planters shall be professionally maintained.* *Findings: Compliance. This standard has been met.*  
☒	☐	☐	**17.06.080(A)4b**	**b. All plant species shall be hardy to the Zone 4 environment.**
			Staff Comments	*Plant materials will be appropriate for the Zone 4 environment.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)4c**	**c. At a minimum, a temporary irrigation system that fully operates for at least two complete growing seasons is required in order to establish drought tolerant plant species and/or xeriscape specific plant materials. Features that minimize water use, such as moisture sensors, are encouraged.**
			Staff Comments	*A temporary irrigation system that fully operates for at least two (2) complete growing seasons will be installed to establish drought tolerant plant*

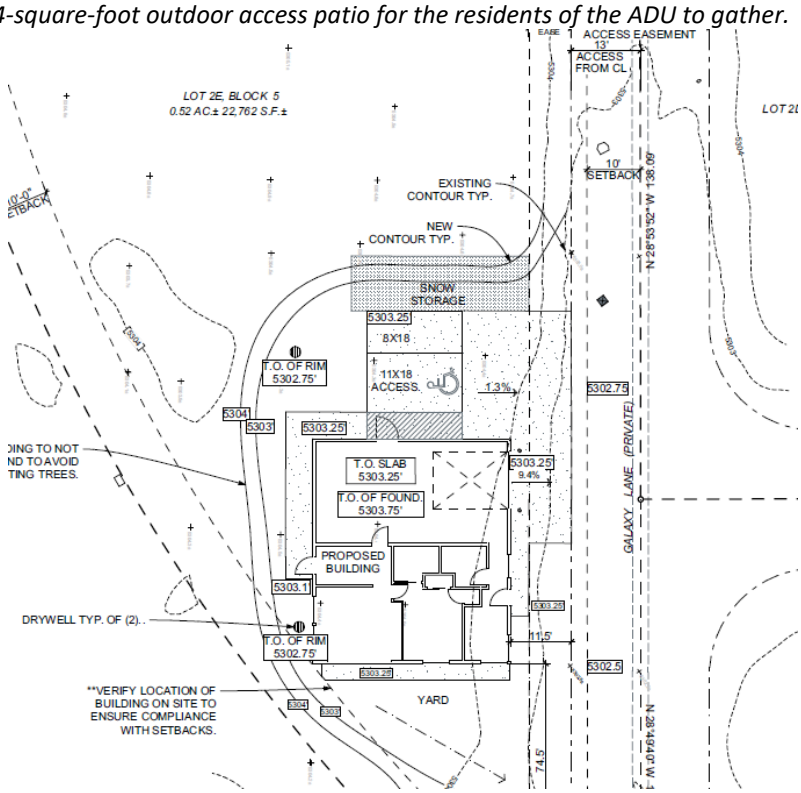
				species. Irrigation features that minimize water use, such as moisture sensors, are encouraged. *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)4d**	**d. Landscaped areas shall be planned as an integral part of the site with consideration of the urban environment. A combination of trees, shrubs, vines, ground covers, and ornamental grasses shall be used. Newly landscaped areas shall include trees with a caliper of no less than two and one-half inches (2 ½"). A maximum of twenty percent (20%) of any single tree species shall not be exceeded in any landscape plan, which includes street trees. New planting areas shall be designed to accommodate typical trees at maturity. Buildings within the LI and SCI-I Zoning Districts are excluded from this standard.**
			Staff Comments	*Proposed landscaping varies with a combination of existing and new trees, shrubs, and turf to soften the site, as well as to create visual interest. The proposed Crabapple and Amur Maple trees are 3-4" calipers which meet the 2 ½" requirement. The proposed species also meet the 20% maximum requirement as only two (2) new trees are being proposed and both are different species.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)4e**	**e. Seasonal plantings in planter boxes, pots, and/or hanging baskets shall be provided to add color and interest to the outside of buildings in the LI and SCI-I zoning districts.**
			Staff Comments	*Bark beds will be installed around all shrubs, fixed planters will be planted each season with annuals and/or maintained perennials. A variety of colors will be used. Planted areas and planters will be professionally maintained.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4f**	**f. Plantings for pedestrian areas within the B, LB, TN and SCI-O zoning districts shall be designed with attention to the details of color, texture and form. A variety of trees, shrubs, perennials, ground covers and seasonal plantings, with different shapes and distinctive foliage, bark and flowers shall be used in beds, planter boxes, pots, and/or hanging baskets.**
			Staff Comments	*Proposed landscaping varies with a combination of existing and new trees, shrubs, and turf to soften the site, as well as to create visual interest.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)4g**	**g. Storm water runoff should be retained on the site wherever possible and used to irrigate plant materials.**
			Staff Comments	*Storm water runoff is located within the landscaping beds, turf area, and/or drywells, as shown on the civil plans.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(A)4h**	**h. A plan for maintenance of the landscaping areas is required to ensure that the project appears in a well-maintained condition (i.e., all weeds and trash removed, dead plant materials removed and replaced).**
			Staff Comments	*The Applicant shall be responsible for maintaining plant material in a healthy condition. Plants were chosen for reduced maintenance, drought tolerance and ability to thrive in conditions on-site.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4i**	**i. Retaining walls shall be designed to minimize their impact on the site and the appearance of the site.**
			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4j**	**j. Retaining walls shall be constructed of materials that are utilized elsewhere on the site, or of natural or decorative materials.**

			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4k**	**k. Retaining walls, where visible to the public and/or to residents or employees of the project, shall be no higher than four feet or terraced with a three-foot horizontal separation of walls.**
			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4l**	**l. Landscaping should be provided within or in front of extensive retaining walls.**
			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4m**	**m. Retaining walls over 24" high may require railings or planting buffers for safety.**
			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*
☐	☐	☒	**17.06.080(A)4n**	**n. Low retaining walls may be used for seating if capped with a surface of at least 12 to 16 inches wide.**
			Staff Comments	*N/A, no new retaining wall is being proposed with this project.* *Findings: Compliance. This standard has been met.*

Additional Design Review Requirements for Multifamily Buildings within the City of Hailey

1. Site Planning: 17.06.080 (D) 1, items (a) thru (c)

Compliant			Standards and Staff Comments	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.06.080(D)1a**	**a. The location of the buildings shall respond to the specific site conditions, such as topography, street corners, open space and existing and planned adjacent uses.**
			Staff Comments	*The proposed building complements the surrounding area and adjacent uses. The proposed mixed-use is within the SCI-SO Industrial (SCI-SO) Zoning district. Integration of the building to the surrounding site is an imperative facet of the project with a variety of landscaping and features for adjoining Industrial properties.* *While most Commissioners agreed that the proposed building complemented other buildings within the industrial district, one Commissioner felt that the dark exterior color was out of character for the district, and did not feel he could support the project without variation to the exterior color palate. The Applicant was amenable to exploring greater color variation with the Owners and agreed to present the revised color palate to two (2) members of the Commission as an Administrative review and approval prior to Building Permit submittal. This has been made a Condition of Approval.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(D)1b**	**b. Site plans shall include a convenient, attractive, and interconnected pedestrian system of sidewalks and shared pathways to reinforce pedestrian circulation within a site.**
			Staff Comments	*All public right-of-way sidewalks and drainage improvements have been met. No in-lieu fees are required at this time; however, any enhancements to the public*

				right-of-way shall meet City Standards, receive approval via an Encroachment Permit, and final design of said improvements shall be reviewed by City Staff prior to issuance of a Building Permit. *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.06.080(D)1c**	**c. Buildings shall be organized to maximize efficient pedestrian circulation and create gathering places.**
			Staff Comments	*To ensure safe pedestrian access through the site as well as site maintenance, the Applicant has proposed to pave the site near and around where the building sits.* *Safe pedestrian access is provided through a new paved driveway and walkway which leads to the entry of the commercial building, as well as the rear of the building where the entrance to the ADU is located. The Applicant has proposed a 484-square-foot outdoor access patio for the residents of the ADU to gather.*  *Findings: Compliance. This standard has been met.*

2. Building Design: 17.06.080 (D) 2, items (a) thru (b)

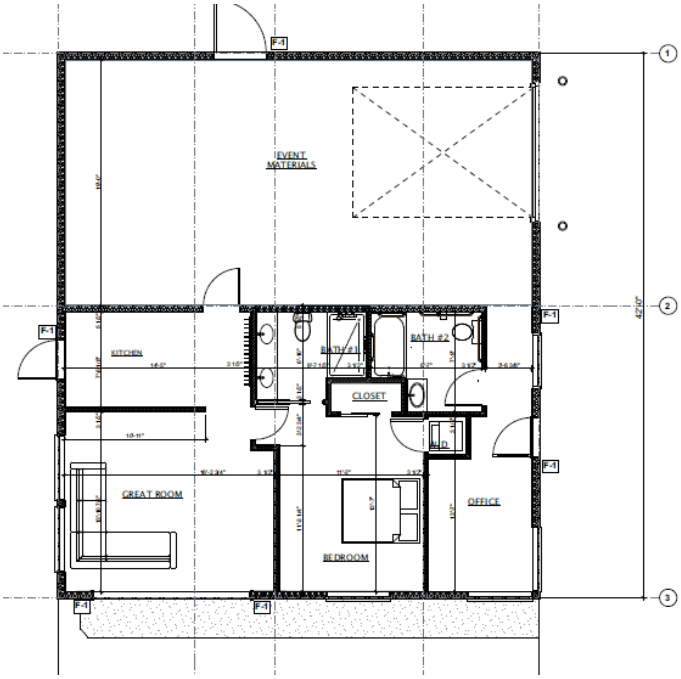
Compliant			Standards and Staff Comments	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.06.080(D)2a**	**a. Buildings shall incorporate massing, group lines and character that responds to single-family homes. Buildings may also include the use of varying materials, textures and colors to break up the bulk and mass of large multi-family buildings. Windows should be residential in scale and thoughtfully placed to provide for privacy and solar gain.**
			Staff Comments	*The proposed building design provides a multi-use design that responds to the varying character of the subdivision.*

				- *The design of the building reflects the evolving style of Hailey. Importance has been placed on restrained and familiarity of the past and the warmth and nuance of contemporary design.* - *The proposed design creates an employee housing option.* *Findings: Compliance. This standard has been met.*
☐	☐	☐	**17.06.080(D)2b**	**b. At ground level, buildings shall present a setting that is visually pleasing to the pedestrian and that encourages human activity and interaction.**
			Staff Comments	*The building achieves human scale by a prominent entrance, and site circulation connections. The landscaping also maximizes human scale with the various existing and new trees, shrubs, and turfs provide screening for the adjoining properties and uses.* *Findings: Compliance. This standard has been met.*

General Requirements for Accessory Dwelling Units				
Compliant		**Standards and Staff Comments**		
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**17.08D.020**	**Applicability.** **A. The standards of this section apply to all Accessory Dwelling Units created after February 10, 2021, whether created by new construction, addition, or conversion of an existing building or area within an existing building.**
☒	☐	☐	**17.04D.030**	**General Provisions.** **A. Accessory Dwelling Units may be located within, or attached to, a principal building or may be located within a detached accessory building. Detached Accessory Dwelling Units may comprise the entirety of the accessory building or may comprise part of the floor area of an accessory building with another permitted accessory use or uses comprising of the remaining floor area.**
			Staff Comments	*The ADU is proposed to be located on the first floor adjacent to the commercial use of the building. The gross square footage of the ADU is 611 square feet. The new asphalt driveway is proposed to service the mixed-use building. Parking for the ADU is provided via the new driveway and within the proposed parking spaces on the northern side of the building.* *With regard to setbacks, this parcel is located within the SCI-Industrial (SCI-I) Zoning District. In said district, the **required minimum setback**s are as follows:* - ***Front/ Side and Rear:** 10'* *The **proposed setbacks for the mixed-use building** are as follows:* - ***Front:** 10'; Side **(N):** 10'**; Side (S): 10**'; **Rear:** 10'.* *The setback requirements of the zoning district have been met.* *Findings: Compliance. This standard has been met.*
☐	☐	☐		**B. Only one (1) Accessory Dwelling Unit is permitted on a lot.**
			Staff Comments	*Only one (1) ADU is proposed onsite.* *Findings: Compliance. This standard has been met.*
☒	☐	☐		**C. Accessory Dwelling Units are only permitted in conjunction with single-family residences in residential zones. In the Townsite Overlay, Transition and SCI zones, Accessory Dwelling Units are permitted in conjunction with commercial buildings. In Business, Limited Business and Neighborhood Business, one or more residential unit(s) are considered.**

			Staff Comments	*The proposed ADU is in conjunction with a commercial space, and both are located within the SCI-SO - Industrial (SCI-SO) Zoning District.* *Findings: Compliance. This standard has been met.*
☐	☐	☒		**D. Accessory Dwelling Units in the Special Flood Hazard Area (SFHA) shall have the top of the lowest floor elevated no lower than the flood protection elevation as defined in Section 17.04J.020, "Definitions", of the Hailey Municipal Code. For new construction or substantial improvements in the SFHA, all applicable requirements of Article 17.04J. Flood Hazard Overlay District (FH) shall apply.**
			Staff Comments	*The proposed development is not located in the SFHA.* *Findings: Compliance. This standard has been met.*
☐	☐	☐	**17.08D.040: Registration of Accessory Dwelling Units Required**	**A. All Accessory Dwelling Units created after February 10, 2021, shall be issued an Accessory Dwelling Unit Compliance Certificate.**
			Staff Comments	*Upon completion of construction for the proposed ADU, a Compliance Certificate will be issued.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.08D.050: Occupancy Restrictions - Short Term Occupancy**	**A. Where a lot contains both a primary dwelling unit and an Accessory Dwelling Unit, only one dwelling unit shall be utilized for Short-Term Occupancy;**
			Staff Comments	*Within the mixed-use development, the ADU must be owner or employee occupied, which is the intent of the Applicant- to use the space for employee housing. This standard shall be met and has been made a Condition of Approval.* *Findings: Compliance. This standard has been met.*
☒	☐	☐		**B. When one dwelling unit is utilized for Short-Term Occupancy, the other unit shall be owner-occupied or utilized as a long-term rental, with long-term occupancy being a period of thirty-one (31) days or more.**
			Staff Comments	*Within the mixed-use development, the ADU must be owner or employee occupied, which is the intent of the Applicant- to use the space for employee housing. This standard shall be met and has been made a Condition of Approval.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.08D.060: Subordinate Scale and Size**	**A. Scale: The floor area of an Accessory Dwelling Unit (ADU) is limited to no more than 66% of the gross square footage of the principal building, or the maximum floor area permitted for an ADU based on the lot size or zone, whichever is less.**

			Staff Comments	*Pursuant Hailey's Municipal Code,* ***Gross Floor Area*** *is defined as:*
				- *The gross area included within the surrounding exterior walls of a building or portion thereof, including all floor levels, exclusive of vent shafts, outdoor courts, attics or garages, or other enclosed automobile parking areas subject to the following restrictions:*
				  - *The basement of a single- or multiple-family dwelling is not included as floor area; and*
				  - *The basement of any other building is included as floor area.*
				The gross floor area, for the mixed-use building, is approximately 1,554 square feet in size. The lot coverage is calculated to be approximately 15% of lot coverage, which meets the standard and is well below the maximum 70% of coverage allowed.

<table>
<tr><td></td><td></td><td></td><td></td><td>The lot size is 22,762 square feet, which would allow for a maximum gross floor area of 1,000 square feet. That said, the Applicant is proposing a 611 square foot ADU which complies with this standard.
Findings: Compliance. This standard has been met.</td></tr>
<tr><td>☐</td><td>☐</td><td>☐</td><td></td><td>B. Maximum Floor Area:
<table>
<tr><th>Lot Size (square feet)</th><th>Minimum Gross Floor Area (square feet)[1]</th><th>Maximum Gross Floor Area (square feet)[1,]</th></tr>
<tr><td>Up to 7,000</td><td>300</td><td>900</td></tr>
<tr><td>7,001 – 8,000</td><td>300</td><td>950</td></tr>
<tr><td>Lots 8,001 and greater</td><td>300</td><td>1,000</td></tr>
<tr><td colspan="3">Gross square footage calculations for Accessory Dwelling Units do not include exterior, uncovered staircases. Interior staircases and circulation corridors are included.</td></tr>
</table></td></tr>
<tr><td></td><td></td><td></td><td>Staff Comments</td><td>Please refer to Section 17.08D.060A, noted above, for further details.
Findings: Compliance. This standard has been met.</td></tr>
<tr><td>☐</td><td>☐</td><td>☐</td><td></td><td>C. Number of bedrooms: Accessory Dwelling Units may have a maximum of two (2) bedrooms.</td></tr>
<tr><td></td><td></td><td></td><td>Staff Comments</td><td>The proposed ADU has one (1) bedroom.
 

Findings: Compliance. This standard has been met.</td></tr>
<tr><td>☐</td><td>☐</td><td>☐</td><td>17.08D.070: Livability</td><td>A. Outdoor Access: All Accessory Dwelling Units shall have a designated area to access the outdoors. Examples include a balcony, porch, deck, paver patio, or yard area delineated by fencing, landscaping, or similar treatment so as to provide for private enjoyment of the outdoors. This area shall be no less than 50 square feet in size. The Outdoor Access area shall be approved through the Design Review process.</td></tr>
<tr><td></td><td></td><td></td><td>Staff Comments</td><td>The Applicant is proposing 484 square feet of outdoor space for the ADU unit.
Findings: Compliance. This standard has been met.</td></tr>
</table>

Chapter 17.09: Parking and Loading				
☐	☐	☐	**17.09 020.05.B**	**Parking areas and driveways for single-family, accessory dwelling unit, and duplex residences may be improved with compacted gravel or other dustless material.**
			Staff Comments	*The new asphalt driveway is proposed to service the mixed-use building. Parking for the ADU is proposed in the parking spaces along the nothern portion of the building. Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.09.020.05.D**	**Mitigation for Accessory Dwelling Unit parking spaces: Parking stalls for Accessory Dwelling Units shall be reviewed to assess light trespass into residential indoor living areas on adjacent properties. Mitigation measures may include fencing, landscaping, screening, landscape walls, and similar treatments.**
			Staff Comments	*The proposed parking space for the ADU is located onsite along the northern portion of the building.* *Findings: Compliance. This standard has been met.*
☒	☐	☐	**17.09.040.01**	**Accessory Dwelling Units and all dwelling units less than 1,000 square feet require one (1) parking space per unit. A site developed with both a primary dwelling less than 1,000 square feet in size and an Accessory Dwelling Unit shall provide a minimum of 2 spaces. Parking for Accessory Dwelling Units must be provided on site. Existing parking in excess of the required parking for a single-family unit shall count towards the total required parking.**
			Staff Comments	*This standard has been met. A single-car parking space is proposed to service the ADU and is in conjunction with the required commercial parking for the mixed-use building.* *Findings: Compliance. This standard has been met.*

17.06.060 Criteria.

A. The Commission or Hearing Examiner shall determine the following before approval is given:
1. **The project does not jeopardize the health, safety or welfare of the public.**
2. **The project conforms to the applicable specifications outlined in the Design Review Guidelines, as set forth herein, applicable requirements of the Hailey Municipal Code, and City Standards.**

B. Conditions. The Commission or Hearing Examiner may impose any condition deemed necessary. The Commission or Hearing Examiner may also condition approval of a project with subsequent review and/or approval by the Administrator or Planning Staff. Conditions which may be attached include, but are not limited to those which will:
1. **Ensure compliance with applicable standards and guidelines.**
2. **Require conformity to approved plans and specifications.**
3. **Require security for compliance with the terms of the approval.**
4. **Minimize adverse impact on other development.**
5. **Control the sequence, timing, and duration of development.**
6. **Assure that development and landscaping are maintained properly.**
7. **Require more restrictive standards than those generally found in the Hailey Municipal Code.**

C. Security. The applicant may, in lieu of actual construction of any required or approved improvement, provide to the City such security as may be acceptable to the City, in a form and in an amount equal to the cost of the engineering or design, materials and installation of the improvements not previously installed by the applicant, plus fifty percent (50%), which

security shall fully secure and guarantee completion of the required improvements within a period of one (1) year from the date the security is provided.

1. **If any extension of the one-year period is granted by the City, each additional year, or portion of each additional year, shall require an additional twenty percent (20%) to be added to the amount of the original security initially provided.**
2. **In the event the improvements are not completely installed within one (1) year, or upon the expiration of any approved extension, the City may, but is not obligated, to apply the security to the completion of the improvements and complete construction of the improvements.**

The following Conditions are placed on approval of this Application:

a) All applicable Fire Department and Building Department requirements shall be met.
b) Any change in use or occupancy type from that approved at time of issuance of Building Permit may require additional improvements and/or approvals. Additional parking may also be required upon subsequent change in use, in conformance with Hailey's Municipal Code at the time of the new use.
c) All City infrastructure requirements shall be met. Detailed plans for all infrastructure to be installed or improved at or adjacent to the site shall be submitted for Department Head approval and shall meet City Standards where required. Infrastructure to be completed at the Applicant's sole expense include, but will not be limited to, the following requirements and/or improvements:
    - **i. Life and Safety:**
        - i. The building shall comply with IFC and IBC code requirements.
    - **ii. Water and Wastewater:**
        - i. All construction shall be to City Standards.
        - ii. The water meter vault is located in the asphalt on Comet Lane, next to the fire hydrant that the Applicant will need to connect to. The Applicant will also need to leave all the water main line valves in the area exposed and accessible for inspection.
        - iii. The sewer stub for this lot is at the center of the lot on the north end, edge of right of way. This stub would need to be used.
d) The Applicant shall be responsible for the maintenance of all landscaping: perimeter, onsite, and/or street trees, as applicable.
e) The project shall be constructed in accordance with the Application or as modified by these Findings of Fact, Conclusions of Law, and Decision.
f) Except as otherwise provided, all the required improvements shall be constructed and completed, or sufficient security provided as approved by the City Attorney before a Certificate of Occupancy can be issued.
g) All public right-of-way sidewalks and drainage improvements have been met. No in-lieu fees are required at this time; however, any enhancements to the public right-of-way shall meet City Standards, receive approval via an Encroachment Permit, and final design of said improvements shall be reviewed by City Staff prior to issuance of a Building Permit.
h) This Design Review approval is for the date the Findings of Fact are signed.
i) The Planning & Zoning Administrator has the authority to approve minor modifications to this project prior to, and for the duration of a valid Building Permit.
j) All exterior lighting shall comply with the Outdoor Lighting Ordinance.

k) Construction parking shall be on private property and not within the City Right-of-Way nor the edge of the road. If construction, parking, and staging is within the City Right-of-Way, applicable fees shall be paid at or prior to issuance of a Building Permit.
l) The residential unit shall be owner or employee occupied.
m) The residential unit shall not be sold as a condominium or separate legal parcel from the principal building(s).
n) The meter shall be screened from view (subject to approval by Idaho Power) of the public street.
o) No roof-mounted mechanical equipment is proposed with this project. Where roof or ground-mounted mechanical equipment are proposed, said equipment shall be shielded and screened from view.
p) All necessary permits shall be filed, and approval received, demonstrating compliance with FAA regulations prior to issuance of a Building Permit.
q) The Applicant shall supply the City with written HOA Design Board approval for the proposed project prior to the issuance of a Building Permit.
r) The Applicant shall modify and/or provide greater variation in exterior colors, which is to be reviewed and approved administratively by two (2) Commissioners, prior to the issuance of a Building Permit.

Signed this _____ day of _____, 2025.

_____
Janet Fugate, Planning & Zoning Commission Chair

Attest:

_____
Jessie Parker, CDD Building Coordinator

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STAFF REPORT
Hailey Planning and Zoning Commission
Regular Meeting of July 21, 2025

To: Hailey Planning & Zoning Commission
From: Emily Rodrigue, Community Development City Planner/Resilience Planner

Overview: Consideration of a Preliminary Plat Application by Tanner Investments, LLC, with a proposal to subdivide Block 1 of the Sweetwater PUD Subdivision into 24 condominium units. This project, to be known as the Cascade Condominiums, is located within the Limited Business (LB) Zoning District.

Hearing: July 21, 2025

Applicant: Tanner Investments, LLC
Project: Cascade Condominiums
Location: Corner of Countryside Boulevard and Shenandoah Drive (Sweetwater PUD Subdivision, Block 1)
Size: 1.15 acres (49,926 sq. ft.)
Zoning: Limited Business (LB) Zoning District

Notice: Notice for the public hearing was published in the Idaho Mountain Express on July 2, 2025 and mailed to property owners within 300 feet on July 2, 2025. No additional notices were sent, or publications made.

Background: On June 5, 2025, the Applicant submitted a Preliminary Plat Application to subdivide Block 1 of the Sweetwater PUD Subdivision into 24 condominium units. This subdivision shall be known as Cascade Condominiums. .

Each condominium sublot is proposed to range in size from 670 square feet to approximately 1,000 square feet. The twenty-four (24) units will be spread across three (3) stories of a single building, with each floor hosting two (2) 670 square foot units, and six (6) approximately 1,000 square foot units. "Parcel A" is proposed to be platted as common area for the benefit of Cascade Condominium residents, and it includes approximately 17,080 square feet of parking area, as well as a large, landscaped area with turf open space, a swing set, and a grill/picnic area.

Procedural History: The Applicant submitted their Preliminary Plat Application for Cascade Condominiums on June 5, 2025, and it was certified complete on June 9, 2025. A public hearing before the Planning and Zoning Commission will take place on July 21, 2025 in Hailey City Hall Council Chambers and virtually via Microsoft Teams.

Standards of Evaluation for a Subdivision				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***

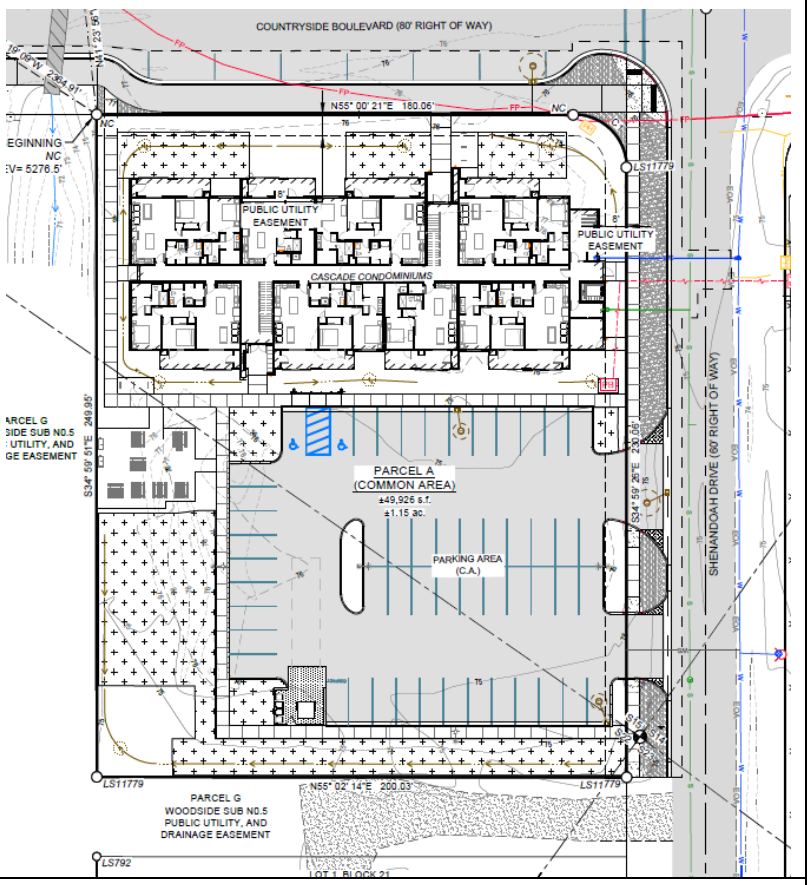
☒	☐	☐	**17.06.050**	**Complete Application**
☒	☐	☐	**Department Comments**	**Engineering:** • *Public Works and Fire/Safety Staff reviewed the proposed application during the Design Review Application approval process and pre-construction meetings. All necessary requirements were communicated to and agreed upon by the Applicant at that time. The project is currently under construction, and this Preliminary Plat Application only seeks to formalize specific entitlement structures for occupancy of the site (namely, condominiums units instead of rental units).*
				Fire/Safety: *No comments.*
				Water and Sewer: *No comments.*
				Building: *No comments.*
				Streets: *No comments.*
☒	☐	☐	**16.04.010 Development Standards**	**Applicability: The configuration and development of proposed subdivisions shall be subject to and meet the provisions and standards found in this Title, the Zoning Title and any other applicable Ordinance or policy of the City of Hailey and shall be in accordance with general provisions of the Comprehensive Plan.**
			Staff Comments	*Please refer to the specific standards as noted herein.*
16.04.020: Streets:				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
			16.04.020	**Streets: Streets shall be provided in all subdivisions where necessary to provide access and shall meet all standards below.**
☐	☐	☒	**A.**	**Development Standards: All streets in the subdivision must be platted and developed with a width, alignment, and improvements such that the street is adequate to safely accommodate existing and anticipated vehicular and pedestrian traffic and meets City standards. Streets shall be aligned in such a manner as to provide through, safe and efficient access from and to adjacent developments and properties and shall provide for the integration of the proposed streets with the existing pattern.**
			Staff Comments	*N/A –The project proposed here does not include any new streets.*
☐	☐	☒	**B.**	**Cul-De-Sacs; Dead-End Streets: Cul-de-sacs or dead-end streets shall be allowed only if connectivity is not possible due to surrounding topography or existing platted development. Where allowed, such cul-de-sacs or dead-end streets shall comply with all regulations set forth in the IFC and other applicable codes and ordinances. Street rights-of-way extended into un-platted areas shall not be considered dead end streets.**
			Staff Comments	*N/A – No cul-de-sacs nor dead-end streets are proposed.*
☒	☐	☐	**C.**	**Access: More than one access may be required based on the potential for impairment of a single access by vehicle congestion, terrain, climatic conditions or other factors that could limit access.**
			Staff Comments	*The Applicant has proposed two (2) curb cuts off Shenandoah Drive, accessing a single parking area that will serve all residents of Cascade Condominiums. Based on the scale of the proposed development, parking requirements, and life/safety access needs, Staff and Streets Division manager approve of the proposed access design.*
☐	☐	☒	**D.**	**Design: Streets shall be laid out so as to intersect as nearly as possible at right angles and no street shall intersect any other street at less than eighty (80) degrees. Where possible, four-way intersections shall be used. A recommended distance of 500 feet, with a maximum of 750 feet, measured from the center line, shall separate any intersection. Alternatively, traffic calming measures including but not limited to speed humps, speed tables,**

				raised intersections, traffic circles or roundabouts, meanderings, chicanes, chokers, and/or neck-downs shall be a part of the street design. Alternate traffic calming measures may be approved with a recommendation by the City Engineer. Three-way intersections shall only be permitted where most appropriate or where no other configuration is possible. A minimum distance of 150 feet, measured from the center line, shall separate any 2 three-way intersections.
			Staff Comments	*N/A – No streets are proposed.*
☐	☐	☒	**E.**	**Centerlines: Street centerlines which deflect more than five (5) degrees shall be connected by a curve. The radius of the curve for the center line shall not be more than 500 feet for an arterial street, 166 feet for a collector street and 89 feet for a residential street. Alternatively, traffic calming measures including but not limited to speed humps, speed tables, raised intersections, traffic circles or roundabouts, meanderings, chicanes, chokers, and/or neck-downs shall be a part of the street design. Alternate traffic calming measures may be approved with a recommendation by the City Engineer.**
			Staff Comments	*N/A – No public streets nor traffic calming measures are proposed.*
☐	☐	☒	**F.**	**Width: Street width is to be measured from property line to property line. The minimum street width, unless specifically approved otherwise by the Council, shall be as specified in City Standards for the type of street.**
			Staff Comments	*N/A – No public streets are proposed.*
☐	☐	☒	**G.**	**Roadways: Roadway, for the purpose of this section, shall be defined as the area of asphalt from curb face to curb face or edge to edge. Roadway includes areas for vehicle travel and may include parallel or angle in parking areas. The width of roadways shall be in accordance with the adopted City Standards for road construction.**
			Staff Comments	*N/A – No roadways are proposed.*
☐	☐	☒	**H.**	**Road Grades: Road Grades shall be at least two percent (2%) and shall not generally exceed six percent (6%). Grade may exceed 6%, where necessary, by 1% (total 7%) for no more than 300 feet or 2% (total 8%) for no more than 150 feet. No excess grade shall be located within 200 feet of any other excess grade nor there any horizontal deflection in the roadway greater than 30 degrees within 300 feet of where the excess grade decreases to a 2% slope.**
			Staff Comments	*N/A – No new road grades are proposed. The public streets are existing and meet City Standards.*
☒	☐	☐	**I.**	**Runoff: The developer shall provide storm sewers and/or drainage areas of adequate size and number to contain any runoff within the streets in the subdivision in conformance with the applicable Federal, State and local regulations. The developer shall provide copies of state permits for shallow injection wells (drywells). Drainage plans shall be reviewed by City Staff and shall meet the approval of the City Engineer. Developer shall provide a copy of EPA's "NPDES General Permit for Storm water Discharge from Construction Activity" for all construction activity affecting more than one acre**.
			Staff Comments	*The Applicant is proposing the construction of four (4) new drywells, each with connected catch basins. One (1) drywell will be installed within the Countryside Boulevard right-of-way, as recommended and approved by the Public Works Superintendent.* *The Applicant is aware of both shallow injection well and stormwater permit requirements.*
☒	☐	☐	**J.**	**Signage: The developer shall provide and install all street and traffic control signs in accordance with City Standards.**
			Staff Comments	*The Applicant plans to install Reserved Parking signage for the two (2) proposed ADA parking stalls. Signs will be installed according to City Standards. No other signage is proposed.*

☐	☐	☒	**K.**	**Dedication; Names: All streets and alleys within any subdivision shall be dedicated for public use, except as provided herein. New street names (public and private) shall not be the same or similar to any other street names used in Blaine County.**
			Staff Comments	*N/A – No new streets nor alleys are proposed.*
			L.	**Private Streets:**
☐	☐	☒	**L. 1.**	**Private streets may be allowed (a) to serve a maximum of five (5) residential dwelling units, (b) within Planned Unit Developments, or (c) within commercial developments in the Business, Limited Business, Neighborhood Business, Light Industrial, Technological Industry, and Service Commercial Industrial districts. Private streets are allowed at the sole discretion of the Council, except that no Arterial or Major Street, or Collector or Secondary Street may be private. Private streets shall have a minimum total width of 36 feet, shall be constructed to all other applicable City Standards including paving, and shall be maintained by an owner's association.**
			Staff Comments	*N/A – No private streets are proposed.*
☐	☐	☒	**L. 2.**	**Private streets, wherever possible, shall provide interconnection with other public streets and private streets.**
			Staff Comments	*N/A – No private streets are proposed.*
☐	☐	☒	**L. 3.**	**The area designated for private streets shall be platted as a separate parcel according to subsection 16.04.060C below. The plat shall clearly indicate that the parcel is unbuildable except for public vehicular and public pedestrian access and ingress/egress, utilities or as otherwise specified on the plat.**
			Staff Comments	*N/A – No private streets are proposed.*
☐	☐	☒	**L. 4.**	**Private street names shall not end with the word "Road", "Boulevard", "Avenue", "Drive" or "Street". Private streets serving five (5) or fewer dwelling units shall not be named.**
			Staff Comments	*N/A – No private streets are proposed.*
☐	☐	☒	**L. 5.**	**Private streets shall have adequate and unencumbered 10-foot-wide snow storage easements on both sides of the street, or an accessible dedicated snow storage easement representing not less than twenty-five percent (25%) of the improved area of the private street. Private street snow storage easements shall not be combined with, or encumber, required on-site snow storage areas.**
			Staff Comments	*N/A – No private streets are proposed.*
☐	☐	☒	**L. 6.**	**Subdivisions with private streets shall provide two (2) additional parking spaces per dwelling unit for guest and/or overflow parking. These spaces may be located (a) within the residential lot (*e.g.*, between the garage and the roadway), (b) as parallel spaces within the street parcel or easement adjacent to the travel lanes, (c) in a designated guest parking area, or (d) as a combination thereof. Guest/overflow parking spaces are in addition to the minimum number of parking spaces required pursuant to chapter 17.09 of this code. The dimension of guest/overflow parking spaces shall be no less than ten feet by twenty feet (10'x20') if angle parking, or ten feet by twenty-four feet (10'x24') if parallel. Guest overflow parking spaces shall be improved with asphalt, gravel, pavers, grass block, or another all-weather dustless surface. No part of any required guest/overflow parking spaces shall be utilized for snow storage.**
			Staff Comments	*N/A – No private streets are proposed.*
			M.	**Driveways:**
☒	☐	☐	**M. 1.**	**Driveways may provide access to not more than two (2) residential dwelling units. Where a parcel to be subdivided will have one lot fronting on a street, not more than one additional single-family lot accessed by a driveway may be created in the rear of the parcel. In such a subdivision, where feasible (*e.g.*, no driveway already exists), both lots shall share access via a single driveway. Driveways shall not be named.**

			Staff Comments	*The Applicant has proposed two (2) curb cuts off Shenandoah Drive, accessing a single parking area that will serve all residents of Cascade Condominiums. Based on the scale of the proposed development, parking requirements, and life/safety access needs, Staff and Streets Division manager approve of the proposed access design*
☐	☐	☒	**M. 2.**	**Driveways shall be constructed with an all-weather surface and shall have the following minimum roadway widths:** **a) Accessing one residential unit: twelve feet (12')** **b) Accessing two residential units: sixteen feet (16')** **No portion of the required fire lane width of any driveway may be utilized for parking, above ground utility structures, dumpsters or other service areas, snow storage or any other obstructions.**
			Staff Comments	*N/A. No individual driveways are proposed, only a shared parking area that will serve all residents of Cascade Condominiums. It will be accessed via two (2) curb cuts along Shenandoah Drive. The parking area ("Parcel A"), utility structures, dumpsters, and snow storage areas have been reviewed and approved by both Public Works and the Hailey Fire Marshall.*
☒	☐	☐	**M. 3.**	**Driveways longer than 150 feet must have a turnaround area approved by the Fire Department. Fire lane signage must be provided as approved by the Fire Department.**
			Staff Comments	*The proposed parking area has been reviewed and approved by the Hailey Fires Marshall.*
☒	☐	☐	**M. 4.**	**Driveways accessing more than one residential dwelling unit shall be maintained by an owner's association, or in accordance with a plat note.**
			Staff Comments	*The parking area ("Parcel A") will be governed and maintained by the Cascade Condominium HOA and CC&R's. A draft copy of the proposed CC&R's has been submitted and is on file at the City of Hailey.*
☒	☐	☐	**M. 5.**	**The area designated for a driveway serving more than one dwelling unit shall be platted as a separate unbuildable parcel, or as a dedicated driveway easement. Easements and parcels shall clearly indicate the beneficiary of the easement or parcel and that the property is unbuildable except for ingress/egress, utilities or as otherwise specified on the plat. A building envelope may be required in order to provide for adequate building setback.**
			Staff Comments	*The shared parking area serving Cascade Condominiums is proposed to be platted as "Parcel A", a common area parcel for all units.*
☒	☐	☐	**M. 6.**	**No driveway shall interfere with maintenance of existing infrastructure and shall be located to have the least adverse impact on residential dwelling units, existing or to be constructed, on the lot the easement encumbers and on adjacent lots.**
			Staff Comments	*The residential approaches, facing the site's interior, are serviced by a communal parking area. This area does not appear to interfere with maintenance of any existing infrastructure.*
☒	☐	☐	**N.**	**Parking Access Lane: A parking access lane shall not be considered a street but shall comply with all regulations set forth in the IFC and other applicable codes and ordinances.**
			Staff Comments	*The proposed parking access area has been approved by the Fire Department and will be inspected for IFC compliance during the final plat inspections.*
☒	☐	☐	**O.**	**Fire Lanes: Required fire lanes, whether in private streets, driveways or parking access lanes, shall comply with all regulations set forth in the IFC and other applicable codes and ordinances.**
			Staff Comments	*The site plan for the parking area has been inspected by the Hailey Fire Department and appears to comply with all regulations set forth in the IFC and other applicable codes and ordinances.*
16.04.030: Sidewalks and Drainage Improvements				
Compliant			**Standards and Staff Comments**	

Yes	No	N/A	City Code	City Standards and *Staff Comments*
☒	☐	☐	**A.**	**Sidewalks and drainage improvements are required in all zoning districts and shall be located and constructed according to applicable City standards, except as otherwise provided herein.**
			Staff Comments	*The Applicant is proposing comprehensive right-of-way improvements, which were contemplated and agreed upon during prior periods of review, including Design Review approval and the Sweetwater PUD Amendment approval. These were also included as Conditions of Approval during Design Review. Improvements include:* *i. Right-of-way improvements along Shenandoah Drive, including but not limited to typical concrete sidewalks, curb and gutter, truncated domes, and typical curb transitions.* *ii. Right-of-way improvements along Countryside Boulevard, including six (6) striped parallel parking spaces, curb and gutter, and approximately 180 feet of ten foot (10') wide asphalt, multi-use pathway. This pathway design was agreed upon between the Applicant and City Staff as the preferable design, as it creates greater connectivity to existing multi-use pathways in the area, including the Wood River Trail.* *iii. Snow removal for Countryside Boulevard parallel parking spaces, created in conjunction with Solstice Condominiums development, shall be the sole responsibility of the Solstice Condominiums Homeowners Association.* *See Section 16.04.020(I) for discussion on the Applicant's approach to required drainage improvements.*
☒	☐	☐	**B.**	**The length of sidewalks and drainage improvements constructed shall be equal to the length of the subject property line(s) adjacent to any public street or private street.**
			Staff Comments	*See Section 16.04.030(A) for further detail.*
☒	☐	☐	**C.**	**New sidewalks shall be planned to provide pedestrian connections to any existing and future sidewalks adjacent to the site.**
			Staff Comments	*See Section 16.04.030(A) for further detail.* *The required sidewalk and/or pathway improvements will provide connectivity both to and from Shenandoah Drive, Countryside Boulevard, and Woodside Boulevard. It will also provide a safe pedestrian connection to the Wood River Trail, Hailey's keystone multimodal pathway. The sidewalk improvements will directly provide residents of Cascade Condominiums access to pedestrian, bicycle, and public transit resources, while indirectly enhancing connectivity for surrounding neighborhoods to said resources.*
☐	☐	☒	**D.**	**Sites located adjacent to a public street or private street that are not currently through streets, regardless whether the street may provide a connection to future streets, shall provide sidewalks to facilitate future pedestrian connections.**
			Staff Comments	*N/A. The site is located adjacent to only public streets that are also through streets.*
☐	☐	☒	**E.**	**The requirement for sidewalk and drainage improvements are not required for any lot line adjustment.**
			Staff Comments	*N/A – This is a Preliminary Plat Application for a new condominium subdivision, this project involves more than a Lot Line Adjustment.*
16.04.040: Alleys and Easements				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
			A.	**Alleys:**

☐	☐	☒	**A. 1.**	**Alleys shall be provided in all Business District and Limited Business District developments where feasible.**
			Staff Comments	*N/A. While this project is located within the Limited Business (LB) District, it is not in an area of Hailey where alleys are located. There is not an existing network or adjacent section of alleyway that this project could benefit from.*
☐	☐	☒	**A. 2.**	**The minimum width of an alley shall be twenty-six (26') feet.**
			Staff Comments	*N/A – No alleys are planned at this time.*
☐	☐	☒	**A. 3.**	**All alleys shall be dedicated to the public or provide for public access.**
			Staff Comments	*N/A – No alleys are planned at this time.*
☒	☐	☐	**A. 4.**	**All infrastructures to be installed underground shall, where possible, be installed in the alleys platted.**
			Staff Comments	*Alleys are not planned nor platted at this time. The proposed underground utilities are routed in public utility easements along the eastern property boundary (Shenandoah Drive).* 
☐	☐	☒	**A. 5.**	**Alleys in commercial areas shall be improved with drainage as appropriate and which the design meets the approval of the City Engineer. The Developer shall provide storm sewers and/or drainage areas of adequate size and number to contain any runoff within the streets in the subdivision upon the property in conformance with the latest applicable Federal, State and local regulations. The developer shall provide copies of state permits for shallow injection wells (drywells). Drainage plans shall be reviewed by City Staff and shall meet the approval of the City Engineer.**
			Staff Comments	*N/A –Alleys are not planned for this parcel.*

☐	☐	☒	**A. 6.**	**Dead-end alleys shall not be allowed.**
			Staff Comments	*N/A – The proposed design does not include a dead-end alley.*
☒	☐	☐	**A. 7.**	**Where alleys are not provided, easements of not less than ten (10) feet in width may be required on each side of all rear and/or side lot lines (total width = 20 feet) where necessary for wires, conduits, storm or sanitary sewers, gas and water lines. Easements of greater width may be required along lines, across lots, or along boundaries, where necessary for surface drainage or for the extension of utilities.**
			Staff Comments	*The proposed plat includes:* • *A dedication of "Parcel A", a parking access area that is common area to the owners of Cascade Condominiums and maintained by the Home Owner's Association. It shall be unbuildable and only allow vehicular and pedestrian access, ingress/egress, landscaping, and utilities.* • *A Blanket Public Utility Easement (eight feet (8')), existing across all property frontage along Countryside and Shenandoah Drive.*
☒	☐	☐	**B.**	**Easements. Easements, defined as the use of land not having all the rights of ownership and limited to the purposes designated on the plat, shall be placed on the plat as appropriate. Plats shall show the entity to which the easement has been granted. Easements shall be provided for the following purposes:**
			Staff Comments	*See Section 16.04.040.A.7 for explanation.*
☒	☐	☐	**B. 1.**	**To provide access through or to any property for the purpose of providing utilities, emergency services, public access, private access, recreation, deliveries, or such other purpose. Any subdivision that borders on the Big Wood River shall dedicate a 20-foot-wide fisherman's access easement, measured from the Mean High-Water Mark, which shall provide for non-motorized public access. Additionally, in appropriate areas, an easement providing non-motorized public access through the subdivision to the river shall be required as a sportsman's access.**
			Staff Comments	*The easements have been explained in the prior Section 16.04.040.A.7. There is no need for a river access easement, as this site does not border the Big Wood River.*
☐	☐	☒	**B. 2.**	**To provide protection from or buffering for any natural resource, riparian area, hazardous area, or other limitation or amenity on, under, or over the land. Any subdivision that borders on the Big Wood River shall dedicate a one hundred (100) foot wide riparian setback easement, measured from the Mean High-Water Mark, upon which no permanent structure shall be built, in order to protect the natural vegetation and wildlife along the river bank and to protect structures from damage or loss due to river bank erosion. A twenty-five (25) foot wide riparian setback easement shall be dedicated adjacent to tributaries of the Big Wood River. Removal and maintenance of live or dead vegetation within the riparian setback easement is controlled by the applicable bulk requirement of the Flood Hazard Overlay District. The riparian setback easement shall be fenced off during any construction on the property.**
			Staff Comments	*N/A – No natural resource, riparian area, hazardous area or other limitation requires an easement, as specified above, for the proposed subdivision.*
☒	☐	☐	**B. 3.**	**Snow storage areas shall be not less than twenty-five percent (25%) of parking, sidewalk and other circulation areas. No dimension of any snow**

				storage area may be less than 10 feet. All snow storage areas shall be accessible and shall not be located over any above ground utilities, such as transformers.
			Staff Comments	*The Applicant has provided the following snow storage calculations:* • *Combined hardscape area: 20,605 square feet* • *Required snow storage: 5,151 square feet* • *Provided snow storage: 8,257 square feet* *The snow storage requirement has been met.*
16.04.050: Blocks				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**16.04.050**	**Blocks: The length, width and shape of blocks shall be determined with due regard to adequate building sites suitable to the special needs of the type of use contemplated, the zoning requirements as to lot size and dimensions, the need for convenient access and safe circulation and the limitations and opportunities of topography.**
			Staff Comments	*N/A – This subdivision and proposed plat involves an existing block. No new blocks are proposed.*
16.04.060: Lots				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**16.04.060**	**Lots: All lots shown on the subdivision plat must conform to the minimum standards for lots in the District in which the subdivision is planned. The City will generally not approve single-family residential lots larger than one-half (1/2) acre (21,780 square feet). In the event a single-family residential lot greater than one-half (1/2) acre is platted, irrigation shall be restricted to not more than one-half (1/2) acre, pursuant to Idaho Code §42-111, and such restriction shall be included as a plat note. District regulations are found in the Zoning Chapter.**
			Staff Comments	*N/A The proposed plat calls for subdividing the one (1) multi-family condominium building into twenty-four (24) condominium units. The minimum lot size for Limited Business (6,000 square feet) has been met, with a proposed lot size of 49,926. No single-family lots are proposed.*
☐	☐	☒	**A.**	**If lots are more than double the minimum size required for the zoning district, the Developer may be required to arrange lots in anticipation of future re-subdivision and provide for future streets where necessary to serve potential lots, unless the plat restricts further subdivision.**
			Staff Comments	*N/A, as Staff are amenable to the proposed lot arrangement.*
☐	☐	☒	**B.**	**Double frontage lots shall be prohibited except where unusual topography, a more integrated street plan, or other conditions make it undesirable to meet this requirement. Double frontage lots are those created by either public or private streets, but not by driveways or alleys. Subdivisions providing a platted parcel of 25 feet or more between any street right-of-way and any single row of lots shall not be considered to have platted double frontage lots. The 25-foot-wide parcel provided must be landscaped to provide a buffer between the street and the lot(s).**
			Staff Comments	*N/A – The plat does not include any double frontage lots.*
☐	☐	☒	**C.**	**No unbuildable lots shall be platted. Platted areas that are not buildable shall be noted as such and designated as "parcels" on the plat. Green Space shall be clearly designated as such on the plat.**
			Staff Comments	*N/A – The proposed lot is buildable. "Parcel A" is platted as common area, containing the parking area and shared open space.*
☐	☐	☒	**D.**	**A single flag lot may be permitted at the sole discretion of the Hearing Examiner or Commission and Council, in which the "flagpole" projection is**

				serving as a driveway as provided herein, providing connection to and frontage on a public or a private street. Once established, a flag lot may not be further subdivided, but a lot line adjustment of a flag lot is not considered a further subdivision. The "flagpole" portion of the lot shall be included in lot area but shall not be considered in determining minimum lot width. The "flagpole" shall be of adequate width to accommodate a driveway as required by this ordinance, fire and other applicable codes. Flag lots within the Townsite Overlay District are not allowed, except where parcels do not have street access, such as parcels adjacent to the ITD right-of-way.
			Staff Comments	*N/A – No flag lots are proposed.*
☐	☐	☒	**E.**	**All lots shall have frontage on a public or private street. No frontage width shall be less than the required width of a driveway as provided under Sections 4.1.11.1 and 4.5.4 of this Ordinance. Townhouse Sub-Lots are excluded from this requirement; provided, however, that Townhouse Developments shall have frontage on a street.**
			Staff Comments	*N/A, townhouse sublots are excluded from this requirement. The proposed development has frontage on the public streets of Countryside Boulevard and Shenandoah Drive.*
☐	☐	☒	**F.**	**In the Townsite Overlay District, original Townsite lots shall be subdivided such that the new platted lots are oriented the same as the original lots, i.e. lots shall be subdivided in such a way as to maintain frontage on both the street and alley. Exceptions may be made for corner properties with historic structures.**
			Staff Comments	*N/A. This Project is not located in the Townsite Overlay (TO) District.*
16.04.070: Orderly Development				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**A.**	**Phasing Required: Development of subdivisions shall be phased to avoid the extension of City services, roads and utilities through undeveloped land.**
			Staff Comments	*N/A. The Applicant is proposing to construct a single, multi-family building containing twenty-four (24) units. Phasing is not necessary, and city services will not extend through undeveloped land.*
☐	☐	☒	**B.**	**<u>Agreement:</u> Developers requesting phased subdivisions shall enter into a phasing agreement with the City. Any phasing agreement shall be approved and executed by the Council and the Developer on or before the preliminary plat approval by the Council.**
			Staff Comments	*N/A – Neither the Applicant nor Staff are requesting that the proposed condominium subdivision be phased.*
☐	☐	☒	**C.**	**<u>Mitigation of Negative Effects:</u> No subdivision shall be approved which affects the ability of political subdivisions of the state, including school districts, to deliver services without compromising quality of service delivery to current residents or imposing substantial additional public costs upon current residents, unless the Developer provides for the mitigation of the effects of subdivision. Such mitigation may include, but is not limited to the following:** **a) Provision of on-site or off-site street or intersection improvements.** **b) Provision of other off-site improvements.** **c) Dedications and/or public improvements on property frontages.** **d) Dedication or provision of parks or green space.** **e) Provision of public service facilities.** **f) Construction of flood control canals or devices.** **g) Provisions for ongoing maintenance.**
			Staff Comments	*N/A, as no negative effects on the ability of service delivery, nor the compromising of quality for service delivery or the imposing of substantial additional public costs, is anticipated.*

☐	☐	☒	**D.**	**When the developer of contiguous parcels proposes to subdivide any portion of the contiguous parcels, an area development plan shall be submitted and approved. The Commission and Council shall evaluate the following basic site criteria and make appropriate findings of fact:** **1. Streets, whether public or private, shall provide an interconnected system and shall be adequate to accommodate anticipated vehicular and pedestrian traffic.** **2. Non-vehicular circulation routes shall provide safe pedestrian and bicycle ways and provide an interconnected system to streets, parks and green space, public lands, or other destinations.** **3. Water main lines and sewer main lines shall be designed in the most effective layout feasible.** **4. Other utilities including power, telephone, cable, and gas shall be designed in the most effective layout feasible.** **5. Park land shall be most appropriately located on the Contiguous Parcels.** **6. Grading and drainage shall be appropriate to the Contiguous Parcels.** **7. Development shall avoid easements and hazardous or sensitive natural resource areas.** **The commission and council may require that any or all contiguous parcels be included in the subdivision.**
			Staff Comments	*N/A – No contiguous parcels are proposed to be subdivided.*

16.04.080: Perimeter Walls, Gates, and Berms				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**16.04.080**	**The City of Hailey shall not approve any residential subdivision application that includes any type of perimeter wall or gate that restricts access to the subdivision. This regulation does not prohibit fences on or around individual lots. The City shall also not allow any perimeter landscape berm more than 3' higher than the previously existing (original) grade.**
			Staff Comments	*N/A – No perimeter walls, gates, landscape berms, nor retaining walls are proposed.*

16.04.090: Cuts, Fills, Grading and Drainage				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**A.**	**Plans Required: Proposed subdivisions shall be carefully planned to be compatible with natural topography, soil conditions, geology, and hydrology of the site, as well as to minimize cuts; fills, alterations of topography, streams, drainage channels; and disruption of soils or vegetation. Fill within the floodplain shall comply with the requirements of the Flood Hazard Overlay District of the Zoning Ordinance.**
			Staff Comments	*The site is exceptionally flat, and little alterations to topography are proposed. The addition of four (4) new drywells are proposed. Disruption to existing natural conditions is not anticipated.*
☒	☐	☐	**A. 1.**	**A preliminary soil report prepared by a qualified engineer may be required by the Hearing Examiner or Commission and/or Council as part of the preliminary plat application.**
			Staff Comments	*The City Engineer has determined that a soils report is not necessary.*
☒	☐	☐	**A. 2.**	**A preliminary grading plan prepared by a civil engineer may be required by the Hearing Examiner or Commission and/or the Council as part of the preliminary plat application, to contain the following information:** **a) Proposed contours at a maximum of two (2) foot contour intervals;** **b) Cut and fill banks in pad elevations;** **c) Drainage patterns;** **d) Areas where trees and/or natural vegetation will be preserved;**

				e) Location of all street and utility improvements including driveways to building envelopes; and **f) Any other information which may reasonably be required by the Administrator, Hearing Examiner, Commission and/or Council.**
			Staff Comments	*A Grading/Site Improvement Plan has been submitted and reviewed by the City Engineer during the development's building permit application process. The City Engineer found the plans to be satisfactory.*
			B.	**Design Standards: The proposed subdivision shall conform to the following design standards:**
☒	☐	☐	**B. 1.**	**Grading shall be designed to blend with natural land forms and to minimize the necessity of padding or terracing of building sites, excavation for foundations, and minimize the necessity of cuts and fills for streets and driveways.**
			Staff Comments	*Very little grading will be necessary as the site is relatively flat. That said, a Grading/Site Improvement Plan has been submitted and was approved by the City Engineer, prior to issuance of the Building Permit.*
☐	☐	☒	**B. 2.**	**Areas within a subdivision which are not well suited for development because of existing soil conditions, steepness of slope, geology or hydrology shall be allocated for Green Space for the benefit of future property owners within the subdivision.**
			Staff Comments	*N/A, as natural site conditions are well suited for development.*
☒	☐	☐	**B. 3.**	**Where existing soils and vegetation are disrupted by subdivision development, provision shall be made by the Developer for Revegetation of disturbed areas with perennial vegetation sufficient to stabilize the soil upon completion of the construction, including temporary irrigation for a sufficient period to establish perennial vegetation. Until such time as the vegetation has been installed and established, the Developer shall maintain and protect all disturbed surfaces from erosion.**
			Staff Comments	*A permanent irrigation system is proposed for the site, servicing 10,843 square feet of turf area and 3,679 square feet of plant beds. The total irrigated area is proposed to be 14,522 square feet. The Applicant has stated that the irrigation system will be designed for maximum efficiency with zoned controls, allowing for specific application of water. This will minimize erosion and ensure proper plant establishment.*
☒	☐	☐	**B. 4.**	**Where cuts, fills or other excavation are necessary, the following development standards shall apply:** **a) Fill areas for structures or roads shall be prepared by removing all organic material detrimental to proper compaction for soil stability.** **b) Fill for structures or roads shall be compacted to at least 95 percent of maximum density as determined by American Association State Highway Transportation Officials (AASHTO) and American Society of Testing & Materials (ASTM).** **c) Cut slopes shall be no steeper than two horizontals to one vertical. Subsurface drainage shall be provided as necessary for stability.** **d) Fill slopes shall be no steeper than three horizontals to one vertical. Neither cut nor fill slopes shall be located on natural slopes of three to one or steeper, or where fill slope toes out within twelve (12) feet horizontally of the top of existing or planned cut slope.** **e) Tops and toes of cut and fill slopes shall be set back from structures and property lines as necessary to accommodate drainage features and drainage structures.**
			Staff Comments	*Proposed grading and drainage have bene reviewed and approved by the City Engineer.*
☒	☐	☐	**B. 5.**	**The developer shall provide storm sewers and/or drainage areas of adequate size and number to contain the runoff upon the property in conformance with the applicable Federal, State, and local regulations. The developer shall**

				provide copies of state permits for shallow injection wells (drywells). Drainage plans shall be reviewed by planning staff and shall meet the approval of the City engineer. Developer shall provide a copy of EPA's "NPDES General Permit for Storm-water Discharge from Construction Activity" for all construction activity affecting more than one acre.
			Staff Comments	*This Standard has been met. Please see section 16.04.020(I) for further detail.*
16.04.100: Overlay Districts				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
			A.	**Flood Hazard Overlay District:**
☐	☐	☒	**A. 1.**	**Subdivisions or portions of subdivision located within the Flood Hazard Overlay District shall comply with all provisions of Section 4.10 of the Zoning Ordinance.**
			Staff Comments	*N/A – The proposed subdivision is not located in the Flood Hazard Overlay District.*
☐	☐	☒	**A. 2.**	**Subdivisions located partially in the Flood Hazard Overlay District shall have designated building envelopes outside the Flood Hazard Overlay District to the extent possible.**
			Staff Comments	*N/A – The proposed subdivision is not located in the Flood Hazard Overlay District.*
☐	☐	☒	**A. 3.**	**Any platted lots adjacent to the Big Wood River or its tributaries shall have designated building envelopes.**
			Staff Comments	*N/A – The proposed subdivision is not located adjacent to the Big Wood River nor its tributaries.*
☐	☐	☒	**B.**	**Hillside Overlay District:**
☐	☐	☒	**B. 1.**	**Subdivisions or portions of subdivisions located within the Hillside Overlay District shall comply with all provisions of Section 4.14, of the Zoning Ordinance.**
			Staff Comments	*N/A – The proposed subdivision is not located within the Hillside Overlay District.*
☐	☐	☒	**B. 2.**	**Subdivisions located partially in the Hillside Overlay District shall have designated building envelopes outside the Hillside Overlay District.**
			Staff Comments	*N/A – The proposed subdivision is not located within the Hillside Overlay District.*
☐	☐	☒	**B. 3.**	**All approved subdivisions shall contain a condition that a Site Alteration Permit is required before any development occurs.**
			Staff Comments	*N/A – The proposed subdivision is not located within the Hillside or Floodplain Hazard Overlay Districts.*
16.04.110: Parks, Pathways and Other Green Spaces				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☐	☐	☒	**A.**	**Parks and Pathways: Unless otherwise provided, every subdivision shall set aside a Park and/or Pathway(s) in accordance with standards set forth herein.**
			Staff Comments	
			A. 1.	**Parks:**
☐	☐	☒	**A. 1. a.**	**The developer of any subdivision, or any part thereof, consisting of three (3) or more residential lots, including residential townhouse sub-lots and residential condominium units, without regard to the number of phases within the subdivision, shall set aside or acquire land area within, adjacent to or in the general vicinity of the subdivision for Parks. Parks shall be developed within the City of Hailey and set aside in accordance with the following formula:** **P = x multiplied by .0277** **"P" is the Parks contribution in acres**

				"x" is the number of single-family lots, residential townhouse sub-lots or residential condominium units contained within the plat. Where multi-family lots are being platted with no fixed number of units, "x" is maximum number of residential lots, sub-lots, and units possible within the subdivision based on current zoning regulations.
			Staff Comments	*Required park space was contemplated during the original Sweetwater PUD review and approval. This requirement was further clarified during the PUD Amendment - appurtenant Block 1 - in October 2024 (Instrument No. 709182). Per the October 2024 PUD Amendment, the Applicant is not obligated to provide, create, or dedicate park space; however, they are obligated to fulfill the park land monetary contribution - as contemplated in the original PUD of Sweetwater - in the amount of $1,000 per unit ($24,000 in total).* *This park space dedication arrangement was also contemplated and approved by the Hailey City Council, in exchange for two (2) "Category L/Locals Only" deed-restricted community housing units. Any additional park space shown on the proposed site plan is being provided at the express desire of the Applicant. .*
☐	☐	☒	**A.1.b**	**In the event the subdivision is located in the Business (B), Limited Business (LB), Neighborhood Business (NB), or Transitional (TN) zoning districts, the area required for a Park shall be reduced by 75%, but in no event shall the area required for a Park/Cultural Space exceed 17.5% of the area of the lot(s) being developed.**
			Staff Comments	
☒	☐	☐	**A. 2.**	**Pathways: The developer of any subdivision, or any part thereof, shall provide pathways for all trails and paths identified in the master plan that are located on the property to be subdivided or on City property adjacent to the property to be subdivided, and sidewalks required by this ordinance.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**B.**	**Multiple Ownership: Where a parcel of land is owned or otherwise controlled, in any manner, directly or indirectly:** **a) By the same individual(s) or entity(ies), including but not limited to corporation(s), partnership(s), limited liability company(ies) or trust(s), or** **b) By different individuals or entities, including but not limited to corporations, partnerships, limited liability companies or trusts where a) such individual(s) or entity(ies) have a controlling ownership or contractual right with the other individual(s) or entity(ies), or b) the same individual(s) or entity(ies) act in any manner as an employee, owner, partner, agent, stockholder, director, member, officer or trustee of the entity(ies),** **c) Multiple subdivisions of the parcel that cumulatively result in three (3) or more residential lots, townhouse sub-lots or condominium units, are subject to the provisions of this ordinance, and shall provide the required improvements subject to the required standards at or before the platting or development of the lots, sub-lots or units.** d) **Parks and Lands Board: The parks and lands board shall review and make a recommendation to the hearing examiner or commission and council regarding each application subject to the provisions of Section 4.10 of this ordinance. Such recommendation will be based on compliance with the master plan and provisions of this ordinance.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*

☐	☐	☒	**C.**	**Parks and Lands Board: The parks and lands board shall review and make a recommendation to the hearing examiner or commission and council regarding each application subject to the provisions of Section 4.10 of this ordinance. Such recommendation will be based on compliance with the master plan and provisions of this ordinance.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
			D.	**Minimum Requirements:**
☒	☐	☐	**D. 1.**	**Private Green Space: Use and maintenance of any privately-owned green space shall be controlled by recorded covenants or restrictions which run with the land in favor of the future owners of the property within the tract and which cannot be modified without the consent of the council.**
			Staff Comments	*The Applicant will address the maintenance of the outdoor shared space delineated by "Parcel A" on the Preliminary Plat, in CC&R's for Cascade Condominiums. This was made a Condition of Approval during the Design Review Application process. . Patio areas for each unit on the ground level are designated as "Limited Common" on the Preliminary Plat and will be similarly addressed through CC&R's.*
☐	☐	☒	**D. 2.**	**Neighborhood Park: A neighborhood park shall include finished grading and ground cover, large grassy areas, trees and shrubs, sheltered picnic table(s), trash container(s), dog station(s), bike racks, park bench(es), parking as required by ordinance, and two or more of the following: play structure, restrooms, an athletic field, trails, hard surface multiple use court (tennis or basketball courts), or gardens that demonstrate conservation principles. Neighborhood Parks shall provide an average of 15 trees per acre, of which at least 15% shall be of 4" caliper or greater. A maximum of 20% of any single tree species may be used. Landscaping and irrigation shall integrate water conservation. A neighborhood park shall be deeded to the City upon completion, unless otherwise agreed upon by the developer and City.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**D. 3.**	**Mini Park: A mini park shall include finished grading and ground cover, trees and shrubs, picnic table(s), trash container(s), dog station(s), bike racks and park bench(es). All mini parks shall provide an average of 15 trees per acre, of which at least 15% shall be of 4" caliper or greater. A maximum of 20% of any single tree species may be used. Landscaping and irrigation shall integrate water conservation.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**D. 4.**	**Park/Cultural Space: A park/cultural space shall include benches, planters, trees, public art, water features and other elements that would create a gathering place. Connective elements, such as parkways or enhanced sidewalks may also qualify where such elements connect two or more parks or park/cultural spaces.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**D. 5.**	**Pathway: Pathways shall have a minimum twenty-foot (20') right-of-way width and shall be paved or improved as recommended by the Parks and Lands Board. Construction of Pathways shall be undertaken at the same time as other public improvements are installed within the development, unless the Council otherwise allows when deemed beneficial for the project. The Developer shall be entitled to receive a Park dedication credit only if the Developer completes and constructs a Pathway identified in the Master Plan or completes and constructs a Pathway not identified in the Master Plan where the Pathway connects to existing or proposed trails identified in the Master Plan. The City may permit easements to be granted by Developers for Pathways identified in the Master Plan, thereby allowing the Developer to include the land area in the determination of setbacks and building density on the site, but in such cases, a Park dedication credit will not be given. A**

				Developer is entitled to receive a credit against any area required for a Park for every square foot of qualified dedicated Pathway right-of-way.
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E.**	**Specific Park Standards: All Parks shall meet the following criteria for development, location and size (unless unusual conditions exist that prohibit meeting one or more of the criteria):**
☐	☐	☒	**E. 1.**	**Shall meet the minimum applicable requirements required by Subsection D of this section.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E. 2.**	**Shall provide safe and convenient access, including ADA standards.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E. 3.**	**Shall not be gated so as to restrict access and shall not be configured in such a manner that will create a perception of intruding on private space. If a Park is privately owned and maintained, the use of the park shall not be exclusive to the homeowners, residents or employees of the development.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E. 4.**	**Shall be configured in size, shape, topography, and improvements to be functional for the intended users. To be eligible for Park dedication, the land must, at a minimum, be located on slopes less than 25 degrees, and outside of drain ways, floodways and wetland areas. Mini Parks shall not be occupied by non-recreational buildings and shall be available for the use of all the residents or employees of the proposed subdivision.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E. 5.**	**Shall not create undue negative impact on adjacent properties and shall be buffered from conflicting land uses.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**E. 6.**	**Shall require low maintenance or provide for maintenance or maintenance endowment.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**F.**	**Specific Pathway Standards: All Pathways shall meet the following criteria for development, location and size (unless unusual conditions exist that prohibit meeting one or more of the criteria):**
☐	☐	☒	**F. 1.**	**Shall meet the minimum applicable requirements required by Subsection D of this section.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☐	☐	☒	**F. 2.**	**Shall be connected in a useful manner to other Parks, Pathways, Green Space and recreation and community assets.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
			G.	**Specific Green Space Standards: If green space is required or offered as part of a subdivision, townhouse or condominium development, all green space shall meet the following criteria for development, location and size (unless unusual conditions exist that prohibit meeting one or more of the criteria):**
☐	☐	☒	**G. 1.**	**Shall meet the minimum applicable requirements required by section 4.10.04 of this section.**
			Staff Comments	*N/A - Please reference Section 16.04.110(H)1 for further detail.*
☒	☐	☐	**G. 2.**	**Public and private green spaces on the same property or adjacent properties shall be complementary to one another. Green space within proposed developments shall be designed to be contiguous and interconnecting with any adjacent Green Space (both existing and potential future space).**
			Staff Comments	*The Applicant will address the design and maintenance of the outdoor shared space in CC&R's for the condominium subdivision. This was made a Condition of Approval during the previous Design Review Application review and approval process.*
☒	☐	☐	**G. 3.**	**The use of the private green space shall be restricted to Parks, Pathways, trails or other recreational purposes, unless otherwise allowed by the City.**

			Staff Comments	*Private green space proposed for the project will be used as an open space park area.*
☒	☐	☐	**G. 4.**	**The private ownership and maintenance of green space shall be adequately provided for by written agreement.**
			Staff Comments	*The Applicant will address the design and maintenance of the outdoor shared space in CC&R's for the condominium subdivision. This was made a Condition of Approval during the previous Design Review Application review and approval process.*
			H.	**In-Lieu Contributions:**
☒	☐	☐	**H. 1.**	**After receiving a recommendation by the Parks and Lands Board, the Council may at their discretion approve and accept voluntary cash contributions in lieu of Park land dedication and Park improvements.**
			Staff Comments	*See Section 16.04.110 A1.a for detailed discussion on in-lieu contributions and park improvements.*
☒	☐	☐	**H. 2.**	**The voluntary cash contributions in lieu of Park land shall be equivalent to the area of land (*e.g.*, square footage) required to be dedicated under this ordinance multiplied by the fair market value of the land (*e.g.*, $/square foot) in the development at the time of preliminary plat approval by the Council. The City shall identify the location of the property to be appraised, using the standards in Sections 4.10.5.4 and 4.10.5.5 of these ordinances. The appraisal shall be submitted by a mutually agreed upon appraiser and paid for by the applicant.**
			Staff Comments	*Please reference Section 16.04.110(H)1 for further detail. This standard will be met.*
☒	☐	☐	**H. 3.**	**Except as otherwise provided, the voluntary cash contribution in lieu of Park land shall also include the cost for Park improvements, including all costs of acquisition, construction and all related costs. The cost for such improvements shall be based upon the estimated costs provided by a qualified contractor and/or vendor. In the Business (B), Limited Business (LB), Neighborhood Business (NB) and Transitional (TN) zoning districts, in-lieu contributions will not include the cost for Park improvements.**
			Staff Comments	*Please reference Section 16.04.110(H)1 for further detail. No Park improvement cost will be applied, as this project is in the Business (B) district.*
☒	☐	☐	**H. 4.**	**In-lieu contributions must be segregated by the City and not used for any other purpose other than the acquisition of Park land and/or Park improvements, which may include upgrades and replacement of Park improvements. Such funds should be used, whenever feasible or practicable, on improvements within walking distance of the residents of the subdivision.**
			Staff Comments	*Please reference Section 16.04.110(H)1 for further detail. This standard will be met.*

16.05: Improvements Required:				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**16.05.010**	**Minimum Improvements Required: It shall be a requirement of the Developer to construct the minimum infrastructure improvements set forth herein and any required infrastructure improvements for the subdivision, all to City Standards and procedures, set forth in Title 18 of the Hailey Municipal Code and adopted by ordinance in accordance with the notice and hearing procedures provided in Idaho Code §67-6509. Alternatives to the minimum improvement standards may be recommended for approval by the City Engineer and approved by the City Council at its sole discretion only upon showing that the alternative is clearly superior in design and effectiveness and will promote the public health, safety and general welfare.**

			Staff Comments	*The Applicant has already begun to construct the infrastructure that is necessary for municipal services. The proposed Preliminary Plat seeks to condominiumize the units.*
☒	☐	☐	**A.**	**Plans Filed, maintained: Six (6) copies of all improvement plans shall be filed with the City Engineer and made available to each department head. Upon final approval two (2) sets of revised plans shall be returned to the Developer at the pre-construction conference with the City Engineer's written approval thereon. One set of final plans shall be on-site at all times for inspection purposes and to note all field changes upon.**
			Staff Comments	*This standard shall be met.*
☒	☐	☐	**B.**	**Preconstruction Meeting: Prior to the start of any construction, it shall be required that a pre-construction meeting be conducted with the Developer or his authorized representative/engineer, the contractor, the City Engineer and appropriate City departments. An approved set of plans shall be provided to the Developer and contractor at or shortly after this meeting.**
			Staff Comments	*This standard shall be met.*
☒	☐	☐	**C.**	**Term of Guarantee of Improvements: The developer shall guarantee all improvements pursuant to this Section for no less than one year from the date of approval of all improvements as complete and satisfactory by the City engineer, except that parks shall be guaranteed and maintained by the developer for a period of two years.**
			Staff Comments	*This standard shall be met.*
16.05.020: Streets, Sidewalks, Lighting, Landscaping				
☒	☐	☐	**16.05.020**	**Streets, Sidewalks, Lighting, Landscaping: The developer shall construct all streets, alleys, curb and gutter, lighting, sidewalks, street trees and landscaping, and irrigation systems to meet City Standards, the requirements of this ordinance, the approval of the Council, and to the finished grades which have been officially approved by the City engineer as shown upon approved plans and profiles. The developer shall pave all streets and alleys with an asphalt plant-mix and shall chip-seal streets and alleys within one year of construction.**
			Staff Comments	*This standard shall be met, has been made a Condition of Approval, and will be reevaluated at final design, prior to Final Plat approval.*
☒	☐	☐	**A.**	**Street Cuts: Street cuts made for the installation of services under any existing improved public street shall be repaired in a manner which shall satisfy the Street Superintendent, shall have been approved by the Hailey City Engineer or his authorized representative, and shall meet City Standards. Repair may include patching, skim coats of asphalt or, if the total area of asphalt removed exceeds 25% of the street area, the complete removal and replacement of all paving adjacent to the development. Street cut repairs shall also be guaranteed for no less than one year. (Ord. 1191, 2015)**
			Staff Comments	*Any and all street cuts for the installation of the water and sewer mains shall be repaired per this standard. Connection details to the existing water system shall be approved by the Wastewater Division prior to construction. Street cuts shall be approved by the Streets Division prior to construction. All infrastructure will be approved by the city prior to construction. All construction must conform to City of Hailey Standard Drawings, Specifications and Procedures. This has been made a Condition of Approval.*
☒	☐	☐	**B.**	**Signage: Street name signs and traffic control signs shall be erected by the Developer in accordance with City Standard, and the street name signs and traffic control signs shall thereafter be maintained by the City.**
			Staff Comments	*The Applicant plans to install "Reserved Parking" signage for ADA parking stalls, in accordance with City Standards. No other signage is proposed.*
☐	☐	☒	**C.**	**Streetlights: Street lights in the Recreational Green Belt, Limited Residential, General Residential, and Transitional zoning districts are not required**

				improvements. Where proposed, street lighting in all zoning districts shall meet all requirements of Chapter VIIIB of the Hailey Zoning Ordinance.
			Staff Comments	*N/A NO street lights in the right-of-way are proposed.*
16.05.030: Sewer Connections				
☒	☐	☐	**16.05.030**	**Sewer Connections: The developer shall construct a municipal sanitary sewer connection for each and every developable lot within the development. The developer shall provide sewer mains of adequate size and configuration in accordance with City standards, and all federal, state, and local regulations. Such mains shall provide wastewater flow throughout the development. All sewer plans shall be submitted to the City engineer for review and approval. At the City engineer's discretion, plans may be required to be submitted to the Idaho Department of Environmental Quality (DEQ) for review and comments.**
			Staff Comments	*Staff have no concerns or issues with the proposed sewer connections at this time. Connections will be revisited at final design, prior to Final Plat approval. Please see Department Comments in Section 17.06.050 of this Report for further detail.*
16.05.040: Water Connections				
☒	☐	☐	**A.**	**Requirements: The developer shall construct a municipal potable water connection, water meter and water meter vault in accordance with City Standards or other equipment as may be approved by the City engineer, for each and every developable lot within the development. The developer shall provide water mains and services of adequate size and configuration in accordance with City Standards, and all federal, state, and local regulations. Such water connection shall provide all necessary appurtenances for fire protection, including fire hydrants, which shall be located in accordance with the IFC and under the approval of the Hailey Fire Chief. All water plans shall be submitted to the City engineer for review and approval. At the City Engineer's discretion, plans may be required to be submitted to the Idaho Department of Environmental Quality (DEQ) for review and comments.**
			Staff Comments	*Connection details to the municipal water and wastewater system shall be approved by the Water and Wastewater Division prior to Final Plat approval. This has been made a Condition of Approval.*
☐	☐	☒	**B.**	**Townsite Overlay: Within the Townsite Overlay District, where water main lines within the alley are less than six (6) feet deep, the developer shall install insulating material (blue board insulation or similar material) for each and every individual water service line and main line between and including the subject property and the nearest public street, as recommended by the City Engineer.**
			Staff Comments	*N/A, as no alleys exist in conjunction with this site.*
16.05.050: Drainage				
☒	☐	☐	**16.05.050**	**Drainage: The developer shall provide drainage areas of adequate size and number to meet the approval of the street superintendent and the City engineer or his authorized representative. (Ord. 1191, 2015)**
			Staff Comments	*The Applicant plans to install four (4) drywells, with one (1) drywell located within the city right-of-way. The City Engineer has already reviewed and approved all proposed drainage during pre-construction meetings for the project's building permit.*
16.05.060: Utilities				
☐	☐	☒	**16.05.060**	**Utilities: The developer shall construct each and every individual service connection and all necessary trunk lines, and/or conduits for those improvements, for natural gas, electricity, telephone, and cable television to the property line before placing base gravel for the street or alley.**
			Staff Comments	*N/A, as no new streets or alleys are proposed for this project.*

16.05.070: Parks, Green Space				
☐	☐	☒	**16.05.070**	**Parks, Green Space: The developer shall improve all parks and green space areas as presented to and approved by the hearing examiner or commission and council.**
			Staff Comments	*See Section 16.04.110 for further detail.*
16.05.080: Installation to Specifications; Inspections				
☒	☐	☐	**16.05.080**	**Installation to Specifications; Inspections: All improvements are to be installed under the specifications and inspection of the City engineer or his authorized representative. The minimum construction requirements shall meet City Standards or the Department of Environmental Quality (DEQ) standards, whichever is the more stringent.**
			Staff Comments	*An inspection schedule will be established for any/all components at final design. All infrastructure must meet City of Hailey specifications and will be evaluated in greater detail at final design.*
16.05.090: Completion; Inspections; Acceptance				
☒	☐	☐	**A.**	**Installation of all infrastructure improvements must be completed by the developer and inspected and accepted by the City prior to signature of the plat by City representatives, or according to a phasing agreement. A post-construction conference shall be requested by the developer and/or contractor and conducted with the developer and/or contractor, the City engineer, and appropriate City departments to determine a punch list of items for final acceptance.**
			Staff Comments	*This standard shall be met.*
☐	☐	☒	**B.**	**The developer may, in lieu of actual construction, provide to the City security pursuant to Section 3.3.7, for all infrastructure improvements to be completed by developer after the final plat has been signed by City representatives. (Ord. 1191, 2015)**
			Staff Comments	*N/A – The completion of all major infrastructure by the Developer is preferred over bonding.*
16.05.100: As Built Plans and Specifications				
☒	☐	☐	**16.05.100**	**As Built Plans and Specifications: Prior to the acceptance by the City of any improvements installed by the developer, three (3) sets of "as-built plans and specifications" certified by the developer's engineer shall be filed with the City engineer. (Ord. 1191, 2015)**
			Staff Comments	*As built drawings will be required. This standard will be met.*
16.07: Condominiums:				
Compliant			**Standards and Staff Comments**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Staff Comments***
☒	☐	☐	**16.07.020**	**Plat Procedure: The developer of a condominium project shall submit with the preliminary plat application, as required by this title, a copy of the proposed bylaws and condominium declarations of the proposed condominium development. The documents shall adequately provide for the control (including billing, where applicable) and maintenance of all common utilities, common area, recreational facilities and green space. The developer may submit a final plat application following inspection and approval by the building inspector of the footings and setbacks of the condominium building. Prior to final plat approval, the developer shall submit to the city a copy of the final bylaws and condominium declarations to be recorded with the county recorder, including the instrument number(s) under which each document was recorded. (Ord. 1191, 2015)**
			Staff Comments	*This Standard shall be met.*

☒	☐	☐	**16.07.030**	**Garages: All garages shall be designated on the preliminary and final plats and on all deeds as part of the particular condominium units. Detached garages may be platted on separate sublots; provided, that the ownership of detached garages is appurtenant to specific condominium units on the condominium plat and that the detached garage(s) may not be sold and/or owned separate from any dwelling unit(s) within the condominium project. (Ord. 1191, 2015)**
			Staff Comments	*Vehicular access on the proposed plat directly leads to the townhouse units, where garages can be assumed.*
☒	☐	☐	**16.07.040**	**Storage, Parking Areas: Condominium projects shall provide parking spaces according to the requirements of title 17, chapter 17.09 of this code. (Ord. 1191, 2015)**
			Staff Comments	*In the Downtown Residential Overlay (DRO) district, each unit is required to provide one (1) onsite parking space. The Applicant has submitted a concurrent Design Review Application, which shows ten (10) townhouse units that each include one (1), attached one-car garage. This Standard has been met.*
☒	☐	☐	**16.07.050**	**Construction Standards: All condominium project construction shall be in accordance with the IBC, IRC and IFC. (Ord. 1191, 2015)**
			Staff Comments	*The proposed plat complies with this standard.*
☒	☐	☐	**16.07.060**	**General Applicability: All other provisions of this title and all applicable ordinances, rules and regulations of the city and all other governmental entities having jurisdiction shall be complied with by condominium developments. (Ord. 1191, 2015)**
			Staff Comments	*This standard will be met.*
☐	☐	☒	**16.07.070**	**Conversion: The conversion by subdivision of existing units into condominiums shall not be subject to section 16.04.110 of this title. (Ord. 1191, 2015)**
			Staff Comments	*N/A*

Summary and Suggested Conditions: The Commission shall review the Preliminary Plat Application and continue the public hearing, approve, conditionally approve, or deny the Application. If approved, the Final Plat Application will be forwarded to the Hailey City Council for review.

The following are suggested Conditions of Approval for this Application:

a) All conditions of the Planned Unit Development Amendment approval, dated October 28, 2024, shall be met.
b) All Fire Department and Building Department requirements shall be met.
c) All City infrastructure requirements shall be met as outlined in Title 16, Chapter 16.05 of the Hailey Municipal Code. Detailed plans for all infrastructure to be installed or improved at or adjacent to the site shall be submitted for City of Hailey approval and shall meet City Standards where required. Requirements to be completed at the Applicant's sole expense include, but will not be limited to:
    i. The Applicant shall attain permits for the installation of all drywells.
d) The complete removal and replacement of all paving adjacent to the development where street cuts (for the subdivision construction and installation of utility services) exceed 25% of the street area.
e) Connection details to the municipal water and wastewater system shall be approved by the Water and Wastewater Division prior to Final Plat approval.
f) The proposed parking access area shall be dedicated as unbuildable and managed by the HOA.

g) The Applicant shall address the maintenance of the outdoor shared space delineated by "Parcel A" on the Preliminary Plat, in CC&R's for the subdivision.
h) All improvements within the public right-of-way shall be completed and accepted, or surety provided pursuant to Subsections 16.03.030(I) and 16.05.090(B) of the Hailey Municipal Code, prior to recordation of the Final Plat.
i) The Applicant shall repair and/or install new sidewalks if the existing sidewalks are damaged during the construction process.
j) The Final Plat must be submitted within three (3) calendar years from the date of approval of the Preliminary Plat, unless otherwise allowed for within a phasing agreement.
k) Any application and/or subdivision inspection fees due shall be paid prior to recording the Final Plat.

Motion Language:
Approval: Motion to approve a Preliminary Plat Application by Tanner Investments, LLC, with a proposal to subdivide Block 1 of the Sweetwater PUD Subdivision into 24 condominium units. This project, to be known as the Cascade Condominiums, is located within the Limited Business (LB) Zoning District., finding that the application meets all City Standards, and that Conditions (a) through (k) are met.

Denial: Motion to deny a Preliminary Plat Application by Tanner Investments, LLC, with a proposal to subdivide Block 1 of the Sweetwater PUD Subdivision into 24 condominium units. This project, to be known as the Cascade Condominiums, is located within the Limited Business (LB) Zoning District., finding that _____ [Commission should cite which standards are not met and provide the reason why each identified standard is not met].

Continuation: Motion to continue the public hearing to _____ [the Commission should specify a date].

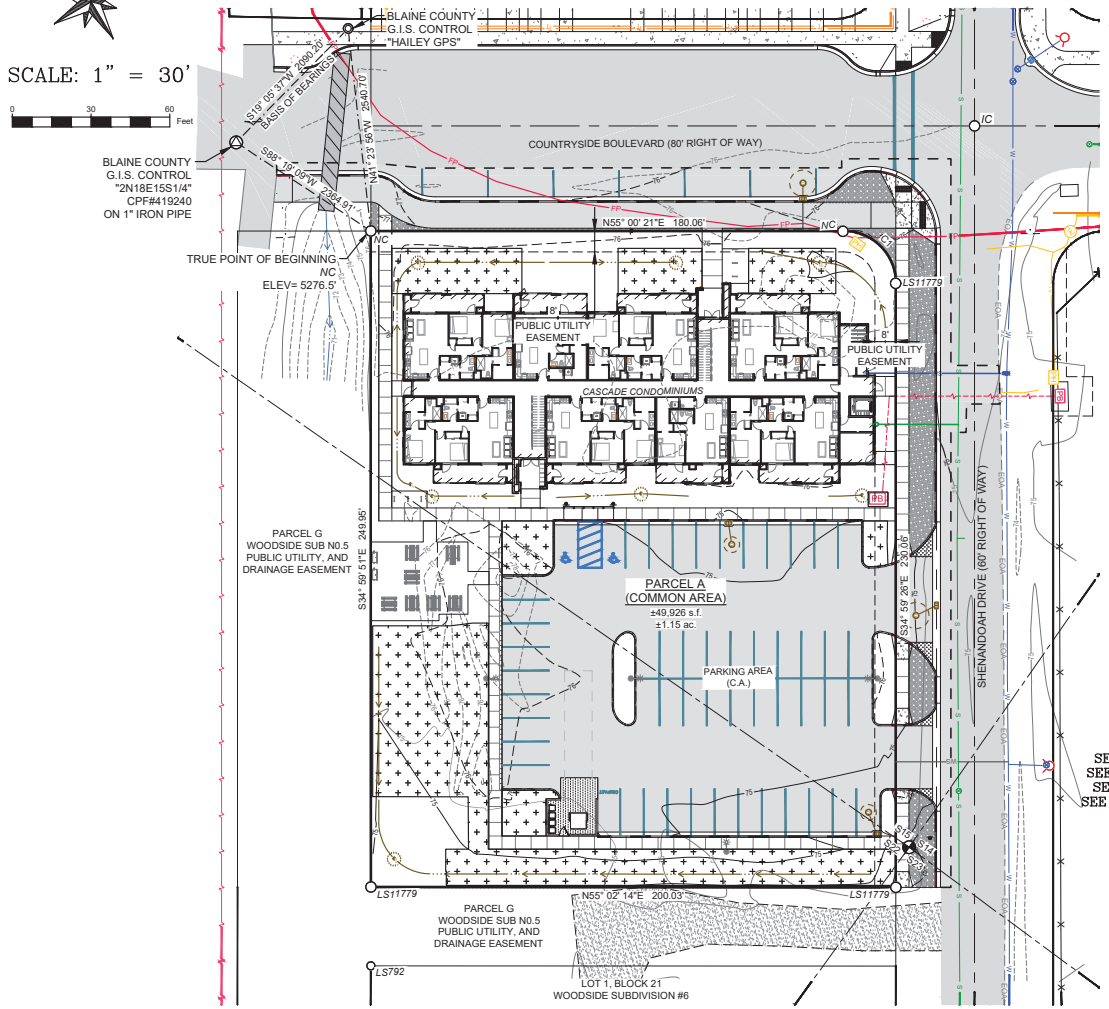
A PLAT SHOWING

CASCADE CONDOMINIUMS

WHEREIN BLOCK 1, SWEETWATER P.U.D. SUBDIVISION IS CONVERTED INTO CONDOMINIUMS AS SHOWN HEREON
LOCATED WITHIN SECTION 15 & 22, T.2N., R.18E., CITY OF HAILEY, BLAINE COUNTY, IDAHO

JULY 2025

SCALE: 1" = 30'



LEGEND

EXISTING ITEMS

- Property Boundary
- Adjoiner's Lot Line
- Centerline of Right of Way
- Section Line
- Fence Line
- 5' Contour Interval
- 1' Contour Interval
- Found Brass Cap, as shown
- Found Aluminum Cap, Setting as Shown
- Found Steel Rod in Monument Well
- Found 5/8" Rebar
- Floodplain per FEMA 2010 Study
- Asphalt
- Concrete Sidewalk
- Gravel Drive
- Flow Line of Creek/Ditch
- Water Main
- Water Service
- Water Valve
- Fire Hydrant
- Catch Basin
- Sewer Main
- Sewer Service
- Sewer Manhole
- Cable TV Buried
- Cable TV Riser
- Buried Telephone Line
- Telephone Riser
- Power Box
- Overhead Power Line
- Culvert
- Conifer Tree
- Deciduous Tree
- IC = Illegible Cap
- NC = No Cap

PROPOSED ITEMS

- GIS Tie Line
- Easement, Type, & Width as Shown
- Exterior Building Line
- Building Footprint
- Unit Line
- Building Unit Tie Line
- Common Area as Shown
- Limited Common Area as Shown
- 5' Contour Interval
- 1' Contour Interval
- Asphalt
- Concrete Sidewalk
- Gravel Landscape Area
- 6" Vertical Curb and Gutter
- Curb & Gutter Transition
- Zero Reveal Curb & Gutter Transition
- 6" Vertical Curb
- Concrete Valley
- 6" Vertical Curb Transition
- Zero Reveal Curb
- Thickened Edge Sidewalk
- Concrete Dumpster Pad
- Apron Monolithic
- Road Paint
- ADA Paint and Symbol
- Flow Line
- Buried Power Line
- Power Box
- Street Light
- Sewer Service and Cleanout
- Existing Sewer Service to be Abandoned
- Existing Water Service to be Abandoned
- Water Service
- Water Connections
- Cast Iron Truncated Dome
- Sign
- Storm Drain
- Catch Basin
- Drywell
- Snow Storage Area

IC	Illegible Cap
NC	No Cap
C.A.	Common Area
L.C.	Limited Common Area
ELEV.	Elevator
MECH.	Mechanical Room
ELEC.	Electrical Room

SEE SHEET 2 FOR FIRST FLOOR DIMENSIONS
SEE SHEET 3 FOR SECOND FLOOR DIMENSIONS
SEE SHEET 4 FOR THIRD FLOOR DIMENSIONS
SEE SHEET 5 FOR SURVEY NARRATIVE & NOTES

Curve Table						
Curve	Length	Radius	Delta	Tangent	Chord	Chord Direction
C1	31.42'	20.00'	90° 00' 13"	20.00'	28.29'	N79° 59' 32"W

HEALTH CERTIFICATE: Sanitary restrictions as required by Idaho Code Title 50, Ch. 13, have been satisfied. Sanitary restrictions may be reimposed in accordance with Idaho Code Title 50, Ch. 13, Sec. 50–1326, by issuance of a Certificate of Disapproval.

Date

South Central District Health Dept., EHS

PROFESSIONAL LAND SURVEYOR LICENSED 16670 STATE OF IDAHO MARK E. PHILLIPS

PRELIMINARY

MARK E. PHILLIPS, P.L.S. 16670

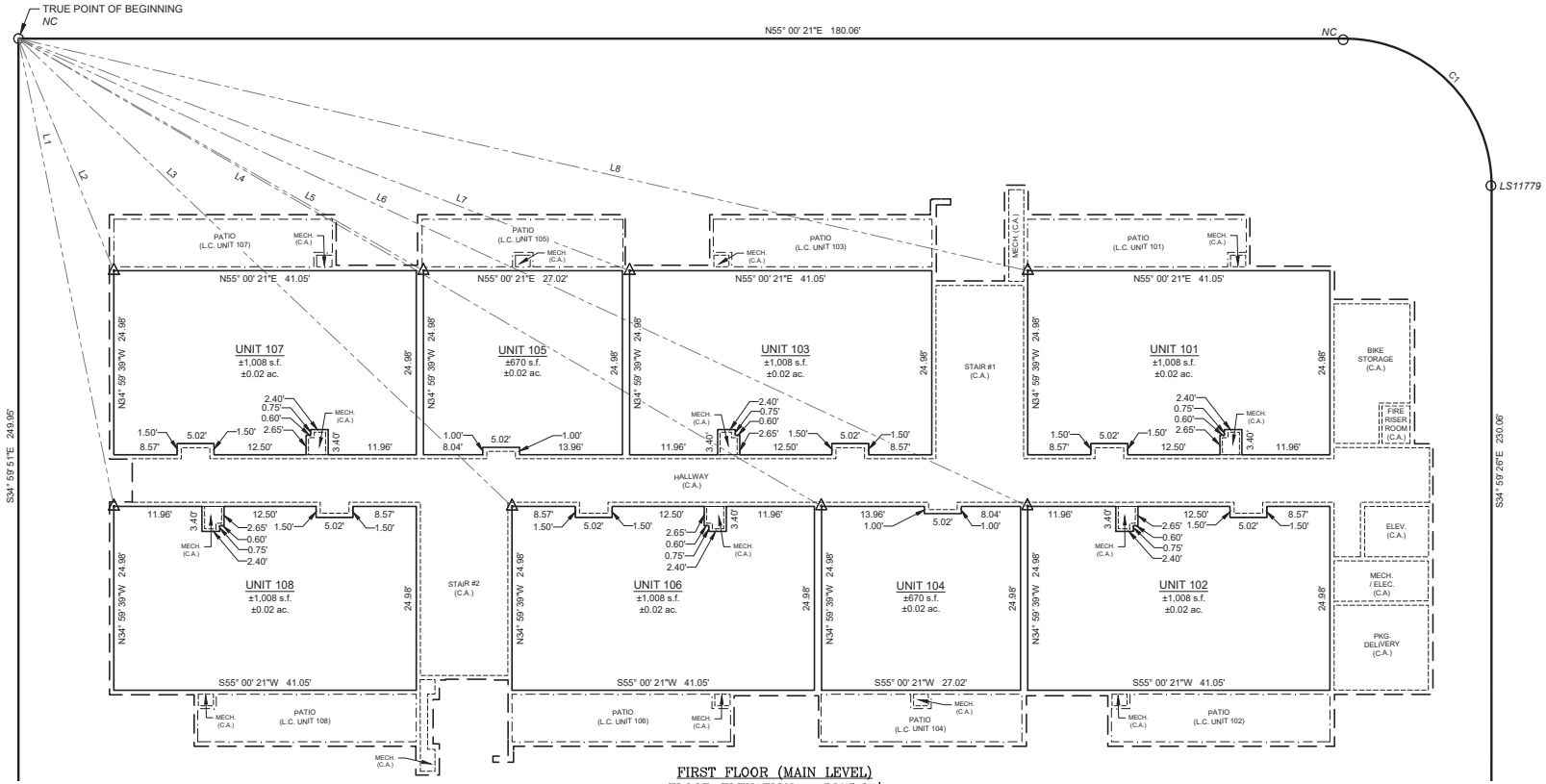
CASCADE CONDOMINIUMS

1 OF 6
PROJECT: 2025-10

PHILLIPS LAND SURVEYING, PLLC
HAILEY, IDAHO

A PLAT SHOWING

CASCADE CONDOMINIUMS



FIRST FLOOR (MAIN LEVEL)
FLOOR ELEVATION = 5275.84'
CEILING ELEVATION = 5284.84'

SEE SHEET 1 FOR LEGEND & CURVE TABLE
SEE SHEET 5 FOR SURVEY NARRATIVE & NOTES

SCALE: 1" = 10'

0 10 20 Feet

Building Tie Line Table		
Line #	Length	Direction
L1	64.82'	N46°31'45"W
L2	34.07'	N57°21'13"W
L3	92.34'	N81°32'26"W
L4	126.21'	S85°13'07"W
L5	63.38'	S84°49'05"W
L6	151.06'	S79°52'01"W
L7	88.72'	S75°46'44"W
L8	140.64'	S67°57'10"W

PROFESSIONAL LAND SURVEYOR LICENSED 16670 STATE OF IDAHO MARK E. PHILLIPS

PRELIMINARY

MARK E. PHILLIPS,
P.L.S. 16670

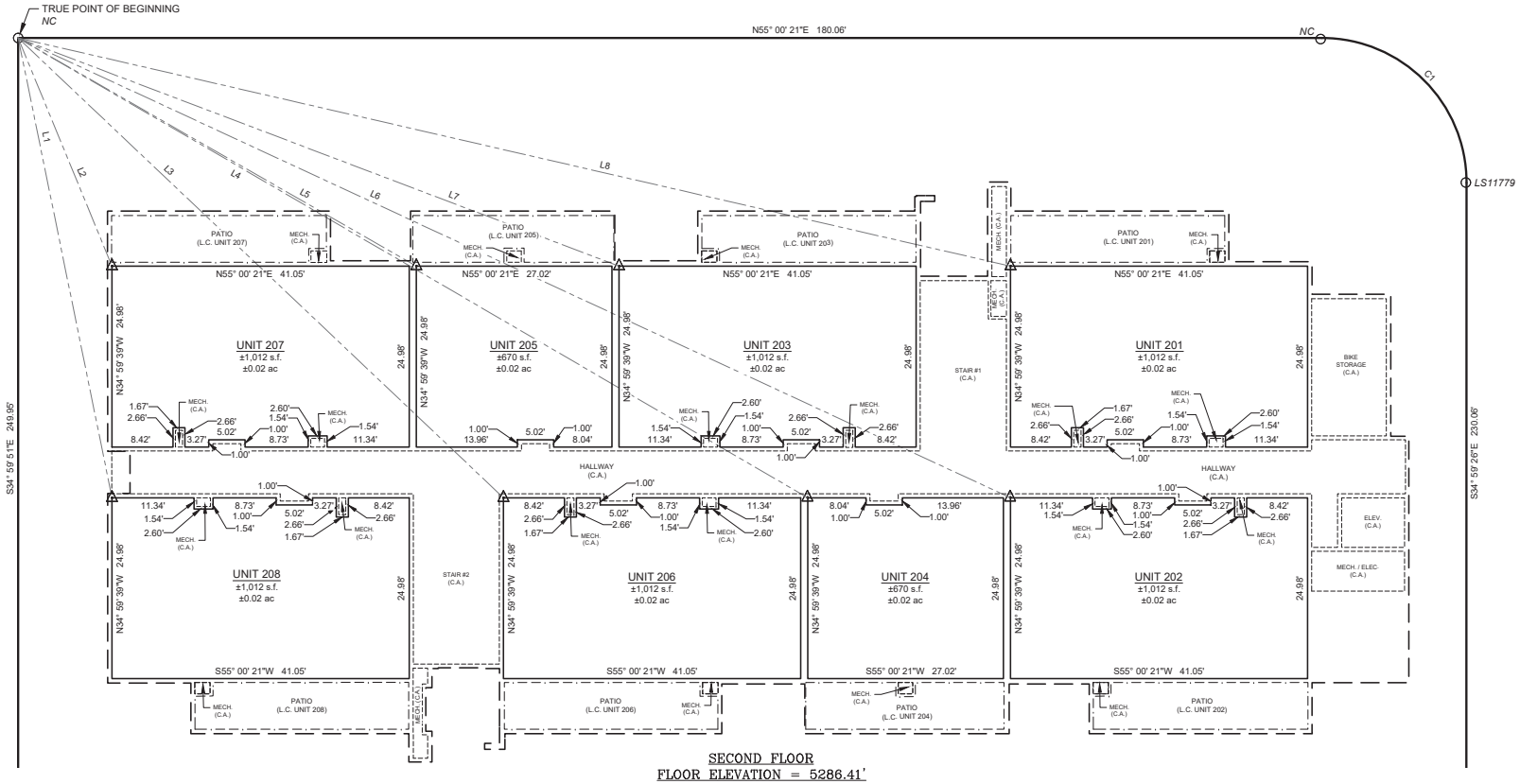
CASCADE CONDOMINIUMS

2 OF 6
PROJECT: 2025-10

PHILLIPS LAND SURVEYING, PLLC
HAILEY, IDAHO

A PLAT SHOWING

CASCADE CONDOMINIUMS



SECOND FLOOR
FLOOR ELEVATION = 5286.41'
CEILING ELEVATION = 5295.41'

SEE SHEET 1 FOR LEGEND & CURVE TABLE
SEE SHEET 5 FOR SURVEY NARRATIVE & NOTES

Building Tie Line Table		
Line #	Length	Direction
L1	64.82'	N46°31'45"W
L2	34.07'	N57°21'13"W
L3	92.34'	N81°32'26"W
L4	126.21'	S85°13'07"W
L5	63.38'	S84°49'05"W
L6	151.06'	S79°52'01"W
L7	88.72'	S75°46'44"W
L8	140.64'	S67°57'10"W

SCALE: 1" = 10'

0 10 20 Feet

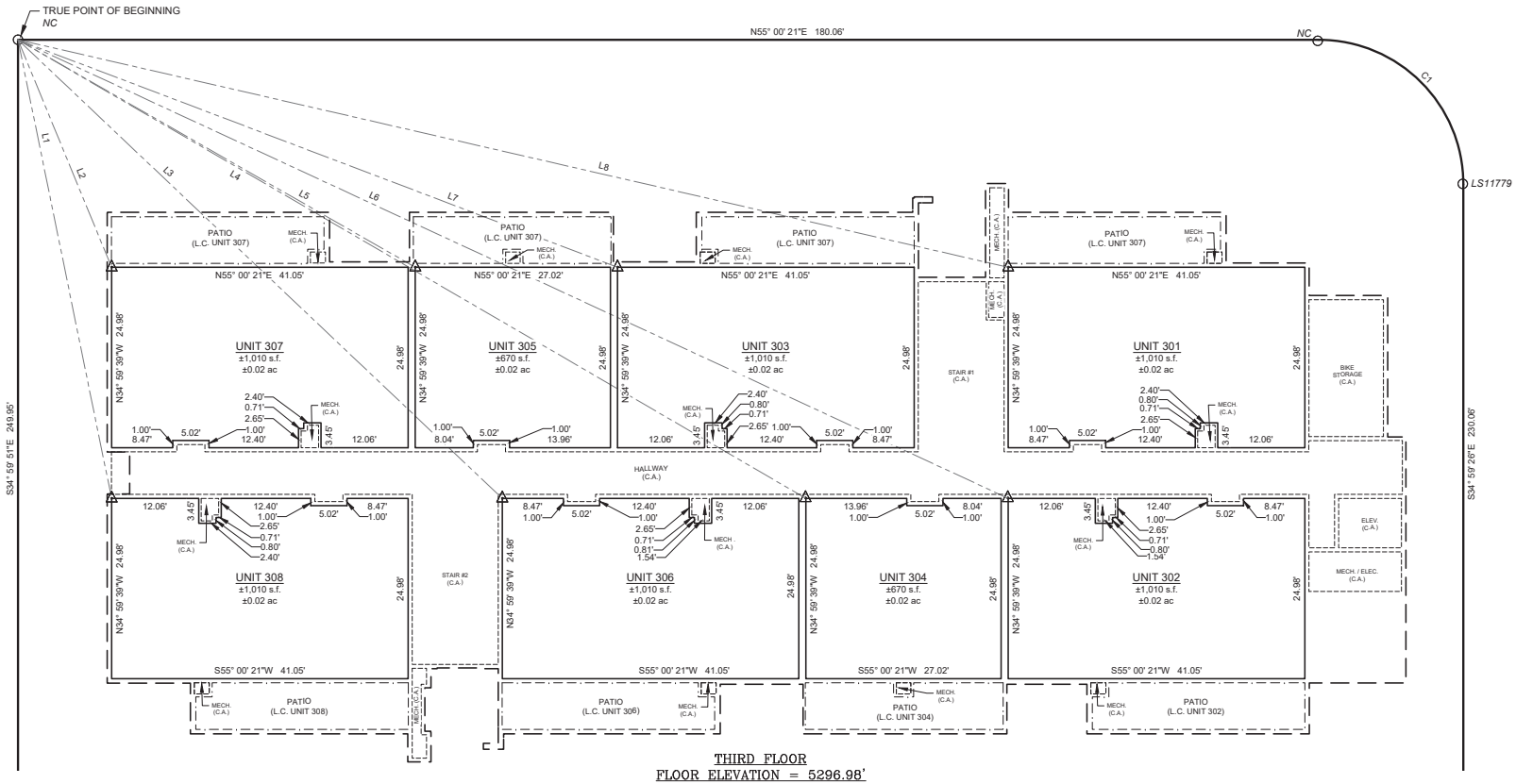
PRELIMINARY

PROFESSIONAL LAND SURVEYOR LICENSED 16670 STATE OF IDAHO MARK E. PHILLIPS

MARK E. PHILLIPS,
P.L.S. 16670

A PLAT SHOWING

CASCADE CONDOMINIUMS



THIRD FLOOR
FLOOR ELEVATION = 5296.98'
CEILING ELEVATION = 5305.98'

SEE SHEET 1 FOR LEGEND & CURVE TABLE
SEE SHEET 5 FOR SURVEY NARRATIVE & NOTES

SCALE: 1" = 10'

Building Tie Line Table		
Line #	Length	Direction
L1	64.82'	N46°31'45"W
L2	34.07'	N57°21'13"W
L3	92.34'	N81°32'26"W
L4	126.21'	S85°13'07"W
L5	63.38'	S84°49'05"W
L6	151.06'	S79°52'01"W
L7	88.72'	S75°46'44"W
L8	140.64'	S67°57'10"W

CERTIFICATE OF SURVEYOR

I, Mark E. Phillips, hereby certify that I am a Licensed Land Surveyor in the State of Idaho and that this map is a true and accurate representation of a survey done under my direct supervision.

PROFESSIONAL LAND SURVEYOR LICENSED 16670 STATE OF IDAHO MARK E. PHILLIPS

PRELIMINARY

MARK E. PHILLIPS,
P.L.S. 16670

CASCADE CONDOMINIUMS

SURVEY NARRATIVE & NOTES

Survey Narrative & Notes

1. The purpose of this survey is to show the monuments found during the boundary retracement of Sweetwater P.U.D. Subdivision, Block 1, and condominiumize the property as shown hereon. The boundary shown is based on found monuments and the plat of Sweetwater P.U.B. Subdivision, Block 1, Instrument Number 576317, records of Blaine County, Idaho. Refer to the Plat Notes, Conditions, Covenants, and Restrictions on said plat. All found monuments have been accepted. The field work for the resolution of the exterior boundary was conducted while Galena Engineering, Inc. was still an operating business, under my responsible charge, while I was employed by Galena Engineering, Inc. The boundary will be verified by Phillips Land Surveying, PLLC, prior to the recording of the final plat. Vertical Datum is NAVD 1988. Project Benchmark is the top of the 5/8" rebar with No Cap, at the True Point of Beginning, Elevation = 5276.5'.

2. The distances shown are measured. Refer to the above referenced documents for the previous record data.

3. The owner/subdivider is Tanner Investment LLC, 38 Gannett Road #B, Bellevue, Idaho 83313. The surveyor/representative is Mark Phillips, Phillips Land Surveying, PLLC, 941 Cherry Creek Drive, Hailey, Idaho 83333.

4. The current zoning is Limited Business (LB). Refer to the City of Hailey Zoning Ordinance for more specific information about these zones.

5. A Title Commitment for the property has been issued by Pioneer Title Company, File Number 875546, with a Date of Policy of April 01, 2025. Certain information contained in said title policy may not appear on this map or may affect items shown hereon. It is the responsibility of the owner or agent to review said title policy. Some of the encumbrances and easements listed in the title report are NOT plotted hereon. Review of specific documents is required, if further information is desired.

6. Unless specifically shown hereon, this survey does not purport to reflect any of the following which may be applicable to subject real property: rights associated with lines of possession, natural hazards, encroachments, wetlands, ditches, easements, building setback, restrictive covenants, subdivision restriction, zoning or any other land-use regulations.

7. In interpreting of Declaration, Plat or Plats, and Deeds, the existing physical boundaries of the unit as originally constructed, or reconstructed in lieu therefore, shall be conclusive presumed to be its boundaries rather than the metes and bounds expressed or depicted in the declaration, plat or plats, and/or deeds, regardless of settling or lateral movement of the building and regardless of minor variances between boundaries shown in the declaration, plat or plats, and/or deeds, and the actual boundaries of the units in the buildings.

8. This property is subject to a Planned Unit Development Agreement with Blaine County, recorded in the real property records of Blaine County, Idaho as Instrument Number 542953, 573775, 583748, 603120, 648091, and 709182.

9. Property shown hereon is subject to terms, provisions, covenants, conditions, and restrictions, easements, charges, assessments, and liens provided by applicable Condominiums Law or the Condominium Declaration recorded under Instrument Number _____, records of Blaine County, Idaho. Consult the Condominium Declarations for the definition of Common and Limited Common Area.

10. All area outside of the Units is Common Area, some of which is Limited Common. Certain areas of "Common" and "Limited Common" are shown by diagram.

11. Parcel A is common area parcel for all units.

12. The square footage shown for each unit is the ground level footprint area only.

13. Dimensions shown hereon will be subject to slight variations owing to normal construction tolerances.

14. Horizontal or sloping planes shown hereon are top of finished floor and bottom of finished ceiling: vertical planes are finished surfaces of interior walls. Some structural members extend into units and limited common area.

15. Lot owners, their tenants, and guests are advised that this property is located near the Friedman Memorial Airport. Present and future impacts may be annoying and interfere with the unrestricted use and enjoyment of the property. These noise impacts might change over time by virtue of greater numbers of aircraft, louder aircraft, seasonal variations, and the time of day variations.

16. A public utility easement eight (8) feet in width is granted hereon along the frontage of Shenandoah Drive and Country Side Boulevard.

17. Utility easements necessary to allow for access and maintenance of utilities serving the units other than the unit they are located in are hereby granted by this plat.

PROFESSIONAL LAND SURVEYOR LICENSED 16670 STATE OF IDAHO MARK E. PHILLIPS

PRELIMINARY

MARK E. PHILLIPS,
P.L.S. 16670

Return to Agenda

Staff Report
Hailey Planning and Zoning Commission
Regular Meeting of July 21, 2025

To: Hailey Planning & Zoning Commission
From: Ashley Dyer Community Development City Planner

Overview: Consideration of a Conditional Use Permit (CUP) Application submitted by Verizon Wireless, LLC, represented by Fullerton Design Development Construct, to allow upgrades to the existing wireless monopole tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District.

Hearing: July 21, 2025

Applicant: Verizon Wireless LLC, represented by Fullerton Design Development Construct
Location: 1141 Airport Way, Unit 6 (Warehouse West Condos)
Zoning: Light Industrial (LI)

Notice: Notice for the public hearing was published in the Idaho Mountain Express on July 3, 2025, and mailed to adjoining property owners on July 3, 2025. The onsite notice was posted to the property on July 3, 2025.

Application: The Conditional Use Permit Application, submitted by Verizon Wireless LLC, represented by Fullerton Design Development Construct, is requesting approval to allow upgrades to the existing freestanding wireless, monopole tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos).

Per Hailey's Municipal Code, Title 17, Section 17.05.040, Wireless Communication Facilities (WCF), and modifications thereto, are permitted conditionally via a Conditional Use Permit (CUP). In addition to this CUP, a Wireless Permit Application will be heard concurrently, as required by code, which supplies greater detail as to the Wireless Communication Facility (WCF) upgrades that will be attached to the existing freestanding monopole tower located at 1141 Airport Way.
For the purposes of this Application, the Applicant is proposing to provide equipment upgrades to the existing wireless tower. The proposed tower upgrades are not expected to result in any significant effects on adjoining properties, including elements such as noise, glare, odor, fumes, or vibration. The only potential impact would be noise generated during the installation phase, which will be temporary and limited to construction hours as defined by Hailey's Municipal Code. Once the tower is fully operational, it is anticipated to have no adverse effects on the surrounding properties in terms of noise or other environmental factors.

Procedural History: The Conditional Use Permit Application was submitted on April 30, 2025, and certified complete on May 27, 2025. A public hearing before the Planning and Zoning Commission for approval or denial of the project will be held on July 21, 2025, in the Hailey City Council Chambers and virtually via Microsoft Teams.

General Requirements for all Conditional Use Permits

Compliant			Standards and Commission Findings	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Commission Findings***
☒	☐	☐	**17.11.020**	**Complete Application:** **17.11.020 The application shall include at least the following information:** **a. Name, address, and phone number of the applicant.** **b. Proof of interest in the subject property by the applicant, such as a deed, contract of sale, option to purchase, or lease agreement.** **c. Legal description of the subject property, including street address.** **d. Description of existing use.** **e. Zoning district of subject property.** **f. Description of proposed conditional use.** **g. A plan of the proposed site for the conditional use showing the location of all buildings, parking and loading areas, traffic access and traffic circulation, open spaces, easements, existing and proposed grade, energy efficiency considerations, landscaping, exterior lighting plan as required by Article VIIIB of this Ordinance, refuse and service areas, utilities, signs, property lines, north arrow, and rendering of building exteriors, where applicable.**

				h. A narrative statement evaluating the effects on adjoining property, the effect of such elements as noise, glare, odor, fumes, and vibration on adjoining property. **i. A narrative statement identifying surrounding land uses and discussing the general compatibility of the proposed use with adjacent and other properties in the district.** **j. A narrative discussion of the relationship of the proposed use to the Comprehensive Plan.** **k. A list of the names and addresses of all property owners and residents within three hundred (300) feet of the external boundaries of the land being considered.** **l. Any other information as requested by the Administrator to determine if the proposed conditional use meets the intent and requirements of this Article.** **m. A fee established in a separate ordinance approved by the Council.**
☒	☐	☐	**Department Comments**	**Engineering:** *No comments*
				Life/Safety: *No comments*
				Water and Sewer:
				Building: *No comments*
				Streets: *No comments*
				Parks: *No comments*
☐	☐	☒	**17.08A Signs**	**17.08A Signs: The applicant is hereby advised that a sign permit is required for any signage exceeding four square feet in sign area. Approval of signage areas or signage plan in Design Review does not constitute approval of a sign permit.**
			Staff Comments	*N/A. No signage is proposed.*
☐	☐	☒	**17.08C.040 Outdoor Lighting Standards**	**17.08C.040 General Standards** **e. All exterior lighting shall be designed, located and lamped in order to prevent:** **a. Overlighting;** **b. Energy waste;** **c. Glare;** **d. Light Trespass;** **e. Skyglow.** **f. All non-essential exterior commercial and residential lighting is encouraged to be turned off after business hours and/or when not in use. Lights on a timer are encouraged. Sensor activated lights are encouraged to replace existing lighting that is desired for security purposes.** **g. Idaho Power shall not install any luminaires after the effective date hereof that lights the public right of way without first receiving approval for any such application by the lighting administrator.** **h. All exterior lighting shall be full cutoff luminaires with the light source downcast and fully shielded, unless exceptions are specified in subsection 17.08C.040.02, Type of Luminaires, of this Chapter.**
			Staff Comments	*N/A, as no exterior lighting is propsed with this CUP Application.*

☐	☐	☒	**17.09.040 On-site Parking Req.**	**See Section 17.09.040 for applicable code.**
			Staff Comments	*N/A, the proposed use and application do not require onsite parking; however, the wireless facility is fully automated, and one (1) off-street parking space is required, which exists and was required at the time of the original approval of the facility. This standard has been met.*
☐	☐	☒	**17.09.020.08(B)**	**B. Where alleys exist, access to on-site parking for any non-residential use or for any multifamily dwelling of three or more units shall be from the alley. Parking areas adjacent to alleys may be designed to allow a vehicle to back from the parking area into the alley.**
			Staff Comments	*N/A, as the site is not serviced by an alley and no additional onsite parking is required to be provided for the wireless tower upgrades.*
☐	☐	☒	**17.09.020.08(C)**	**C. If the site is not serviced by an alley, access shall be from a single approach to the street to confine vehicular/pedestrian conflict to limited locations, allow more buffering of the parking area and preserve the street frontage for pedestrian traffic.**
			Staff Comments	*N/A, as the site is not serviced by an alley and no onsite access is required to be provided for the wireless tower upgrades. That said, access to the site for maintenance purposes was discussed and approved at the time of the original application and has been provided off Airport Way and Skymaster Lane.*
☐	☐	☒	**17.09.020.08(D)**	**D. Access for on-site parking areas or loading spaces shall be located in such a way that any vehicle entering or leaving such area shall be clearly visible by a pedestrian or motorist approaching the access or driveway from a public or private street.**
			Staff Comments	*No additional onsite parking or loading spaces are required for this Conditional Use Application; however, the wireless facility is fully automated, and one (1) off-street parking space is required, which exists and was required at the time of the original approval of the facility. This standard has been met.*
☐	☐	☒	**17.09.020.08(E)**	**E. Access for subdivisions shall be provided in accordance with standards set forth in Section 4 of the Subdivision Ordinance.**
			Staff Comments	*N/A. No subdivision access will be impacted by this project.*
☐	☐	☒	**17.09.020.08(F)**	**F. Parking areas containing no more than two (2) parking spaces in any zoning district or parking areas within the LR, GR, TN, TI and LI Districts may be designed to allow a vehicle to back from the parking area into the public right-of-way.**
			Staff Comments	*N/A, as this CUP Application does not require additional onsite parking spaces.*
☐	☐	☒	**17.09.020.08(G)**	**G. Parking areas for residential uses only may be designed to allow required parking spaces for one vehicle to deny access to another vehicle, thus "stacking" the parking area. For non-residential uses, stacked parking may be allowed only for additional spaces that may be provided in excess of the required number of parking spaces.**
			Staff Comments	*No additional onsite parking or loading spaces are required for this Conditional Use Application; however, the wireless facility is fully automated, and one (1) off-street parking space is required, which exists and was required at the time of the original approval of the facility. This standard has been met.*

☒	☐	☐	**Chapter 17.05: Bulk Requirements**	**LI District:** • **Maximum Building Height: 35 feet** • **Minimum Setbacks:** o **Front Setback: 10 feet** o **Side and Rear Yard Setback: 10/side and 10/rear.** • **Maximum Lot Coverage: 75**
			Staff Comments	*The city approved a Design Review Application for the original tower in 1993. All setbacks, height, lot coverage, and other bulk requirements were reviewed, approved, and met. The proposed upgrades to the monopole tower will not change the location of the existing wireless tower, nor the associated bulk requirements. This standard has been met.*

Chapter 17.11 Criteria for Review of Conditional Use Permits

Compliant			**Standards and Commission Findings**	
Yes	**No**	**N/A**	**City Code**	**City Standards and *Commission Findings***
☒	☐	☐	**17.11.010**	**Compliance with the Comprehensive Plan** **17.11.010: Purpose. The City of Hailey recognizes that certain uses possess unique and special characteristics with respect to their location, design, size, method of operation, circulation, and public facilities. In order to protect the public welfare and promote conformance with the Comprehensive Plan, conditional use permits are required for such uses upon review by the Commission.**
			Staff Comments	*The Comprehensive Plan calls for economic diversity to support a variety of projects and programs that meet the needs generated by various segments of the population. The proposed use aligns with the following Goals of Hailey's Comprehensive Plan:* ***6.1 Encourage a diversity of economic development opportunities within Hailey.*** • *Support Hailey's diverse and growing economy through upgraded technology and wireless services. As more business and individual employment can be done remotely, improved personal wireless services afford increased economic opportunities for business and individuals residing in the city.* ***9.1 Plan for the long-term utilities, service and facility needs of the City while minimizing impacts to the greatest extent possible.*** • *Light Industrial – Areas containing uses important to a variety of business sectors that focus on the production of products and services that are less compatible with and not compete with uses in Downtown and the Community Activity Areas.* • *Improving the telecommunications service in the area with minimal impact on the surrounding areas. The new equipment will be installed on an existing facility at the existing centerline and therefore, there will be no increased visual impact. Once operational, the new*

				equipment will provide personal wireless services with better coverage, efficacy, and reliability.
☒	☐	☐	**17.11.040.01(a)**	**17.11.040.01 The Commission or Hearing Examiner shall review the particular facts and circumstances of each proposed conditional use in terms of the following standards and, if approved, shall find adequate evidence showing that such use at the proposed location:** **a. Will, in fact, constitute a conditional use as established for the zoning district involved; and**
			Staff Comments	*The City recognizes that certain uses possess unique and special characteristics with respect to their location, design, size, method of operation, use, and circulation. In order to protect public welfare, and to further ensure that there's conformance with our Comprehensive Plan, a Conditional Use Permit has been submitted.* *The property that the existing freestanding wireless tower is located on is within Hailey's Light Industrial (LI) Zoning District. Wireless Communication Facilities (WCF) attached to freestanding towers are listed as a Conditional Use. The use is compatible in the LI Zoning District, and only minor upgrades are proposed.*
☒	☐	☐	**17.11.040.01(b)**	**b. Will be designed, constructed, operated, and maintained to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity, and that such use will not change the essential character of the same area;**
			Staff Comments	*The property that the existing freestanding wireless tower is located on is within Hailey's Light Industrial (LI) Zoning District. Wireless Communication Facilities (WCF) attached to freestanding towers are listed as a Conditional Use. The use is compatible in the LI Zoning District, exists, and only minor upgrades are proposed.*
☒	☐	☐	**17.11.040.01(c)**	**c. Will not be hazardous or disturbing to existing or future neighboring uses;**
			Staff Comments	*The effects of the proposed use on adjoining properties in terms of noise, vehicular odor, and associated fumes will be minimal, as the proposed use correlates with existing industrial uses. The proposed tower is not expected to result in any significant effects on adjoining properties, including elements such as noise, glare, odor, fumes, or vibration. The only potential impact would be noise generated during the installation phase, which will be temporary and limited to the construction period. Once the tower is fully operational, it is anticipated to have no adverse effects on the surrounding properties in terms of noise or other environmental factors.*
☒	☐	☐	**17.11.040.01(d)**	**d. Will be served adequately by essential public facilities and services such as highways, streets, police and fire protection, and drainage structure. Agencies responsible for the establishment of the proposed use shall be able to provide adequately any such service; and**
			Staff Comments	*The site is currently serviced by essential public facilities and services.*
☒	☐	☐	**17.11.040.01(e)**	**e. Will not create excessive additional requirements at public cost for public facilities and services; and**

			Staff Comments	*At this time, no additional cost will be incurred from any public agencies for the equipment upgrades to the existing wireless tower.*
☒	☐	☐	**17.11.040.01(f)**	**f. Will not involve uses, activities, processes, materials, equipment, or conditions of operation that will be detrimental to any persons, property, or the general welfare by reason of excessive production of traffic, noise, smoke, fumes, glare, dust, odors, vibration, water or air pollution, or safety hazards; and**
			Staff Comments	*The proposed tower is not expected to result in any significant effects on adjoining properties, including elements such as noise, glare, odor, fumes, or vibration. The only potential impact would be noise generated during the installation phase, which will be temporary and limited to the construction period. Once the tower is fully operational, it is anticipated to have no adverse effects on the surrounding properties in terms of noise or other environmental factors.*
☐	☐	☒	**17.11.040.01(g)**	**g. Will have vehicular approaches to the property which shall be designed so as not to create an interference with traffic on surrounding public thoroughfares;**
			Staff Comments	*N/A, as the property is not intended for public use and has access off Airport Way and Skymaster Lane for site maintenance.*
☐	☐	☒	**17.11.040.01(h)**	**h. Will not result in the destruction, loss or damage of a natural, scenic or historic feature.**
			Staff Comments	*N/A, as no trees or mature landscaping, scenic or historic features will be removed from the site to accommodate for the proposed use. The lot is intended for light industrial use and the wireless tower is existing.*

17.11.060 Conditions.

The Commission or Hearing Examiner may impose any conditions which it deems necessary to secure the purpose of City regulations and give effect to the Comprehensive Plan. Conditions which may be attached include, but are not limited to those which will:

- **17.11.060(A) Require conformity to approved plans and specifications.**
- **17.11.060(B) Require or restrict open spaces, buffer strips, walls, fences, signs, concealing hedges, landscaping, and lighting.**
- **17.11.060(C) Restrict volume of traffic generated, require off-street parking, and restrict vehicular movements within the site and points of vehicular ingress and egress or other conditions related to traffic.**
- **17.11.060(D) Require performance characteristics related to the emission of noise, vibration and other potentially dangerous or objectionable elements.**
- **17.11.060(E) Limit time of day for the conduct of specified activities.**
- **17.11.060(F) Require guarantees such as performance bonds or other security for compliance with the terms of the approval.**
- **17.11.060(G) Require dedications and public improvements on property frontages.**
- **17.11.060(H) Require irrigation ditches, laterals, and canals to be covered or fenced.**
- **17.11.060(I) Minimize adverse impact on other development.**

17.11.060(J) Control the sequence, timing and duration of development.
17.11.060(K) Assure that development is maintained properly.
17.11.060(L) Designate the exact location and nature of development.
17.11.060(M) Require the provision for on-site or off-site public services.
17.11.060(N) Require more restrictive standards than those generally found in this Ordinance.
17.11.060(O) Mitigate foreseeable social, economic, fiscal and environmental effects.
17.11.060(P) Set a limit on the duration of the permit when deemed necessary.
17.11.060(Q) Allow for subsequent periodic review.

Summary: Section 17.11.010 of the Hailey Zoning Ordinance states that "the City of Hailey recognizes that certain uses possess unique and special characteristics with respect to their location, design, size, method of operation, circulation, and public facilities. In order to protect the public welfare and promote conformance with the Comprehensive Plan, conditional use permits are required for such uses upon review by the Commission."

Conditional Use Permits are subject to review and revocation pursuant to Section 17.11.090 of the Hailey Municipal Code. This statement will be included in the Findings of Fact, Conclusions of Law, and Decision for any Conditional Use Permit approved by the Commission.

By ordinance, the Commission is required to approve, conditionally approve, or deny the application within forty-five (45) days after the conclusion of the public hearing and issue its decision together with the reasons, therefore. The Commission is required to review the application, all supporting documents and plans, and Section 17.11 of the Hailey Municipal Code, in making their decision.

The Commission should make Findings of Fact related to the criteria of Section 17.11, (a) through (d).

Suggested Conditions: The following conditions are suggested to be placed on approval of this application:

a) All Fire Department and Building Department requirements shall be met in regard to all maintenance, administrative, and other functions of the proposed project.
b) Construction staging and storage shall not be in the City Right-of-Way, or impact existing vehicular parking, nor vehicular and pedestrian circulation. All construction impacts shall occur within the property boundary.
c) The associated Wireless Permit Application shall be reviewed and approved by the Commission prior to placement and/or installation of upgraded technological components/facilities.

Motion Language
Approval: Motion to approve the Conditional Use Permit (CUP) Application, submitted by Verizon Wireless,) to allow for upgrades to the existing wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District, finding that the application meets each of the Criteria for Review, (a) through () cited in the Hailey Municipal Code, that the Conditional Use Permit complies with the Comprehensive Plan, and that Conditions (a) through (c) will be met.

Denial: Motion to deny the Conditional Use Permit (CUP) Application submitted by Verizon Wireless, represented by Fullerton Design Development Construct (IWG- TLA Telecom LLC) to allow upgrades to the existing wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District, finding that _____[the Commission should cite which standards are not met and provide the reason why each identified standard is not met].

Continuation: Motion to continue the public hearing to_____[the Commission should specify a date].

April 4, 2025

Community Development
Planning and Zoning
115 Main Street
Hailey, ID 83333

RE: Community Development – PROJECT DESCRIPTION LETTER – 5000062841 / 14920018

To whom It May Concern,

Cellular carrier Verizon plans to upgrade their equipment to an existing structure located at**: Unit 6, 1141 Airport Way, Hailey, ID 83333-8771, RPH07080000000.** I am the agent representing the tower owner, American Tower Corporation (ATC) and the carrier, Verizon, hired to complete the zoning and permitting approvals to upgrade the equipment on this tower.

The proposed tower is not expected to result in any significant effects on adjoining properties, including elements such as noise, glare, odor, fumes, or vibration. The only potential impact would be noise generated during the installation phase, which will be temporary and limited to the construction period. Once the tower is fully operational, it is anticipated to have no adverse effects on the surrounding properties in terms of noise or other environmental factors.

The property is zoned for "city" use, and the proposed tower is generally compatible with the surrounding land uses. The area is primarily made up of commercial properties and airport-related facilities, both of which are typically conducive to the presence of communication towers. The proposed facility aligns with the existing infrastructure and development patterns of the district, and it will not disrupt any residential or sensitive land uses. Overall, the tower's installation is consistent with the character of the surrounding commercial and airport properties.

Please reach out to me at 217-909-2787 or rgeci@fullerton-us.com.

Thank you,

Riga Geci
Project Lead
Office Number: 217-909-2787
rgeci@fullerton-us.com

Return to Agenda

STAFF REPORT
Hailey Planning and Zoning Commission
Regular Meeting of July 21, 2025

To: Hailey Planning and Zoning Commission
From: Ashley Dyer, Community Development Planner

Overview: Consideration of a Wireless Permit Application, submitted by Verizon Wireless, LLC, represented by Fullerton Design Development Construct (IWG- TLA Telecom LLC), to complete upgrades to the existing freestanding wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District.

Hearing: July 21, 2025

Applicant: Verizon Wireless LLC, represented by Fullerton Design Development Construct
Location: 1141 Airport Way, Unit 6 (Warehouse West Condos)
Zoning : Light Industrial (LI)

Notice: Notice for the public hearing was published in the Idaho Mountain Express and mailed to property owners within 300 feet on July 3, 2025.

Application: The application for a Wireless Permit, submitted by Verizon Wireless, LLC, represented by Fullerton Design Development Construct (IWG- TLA Telecom LLC), is requesting approval to complete upgrades to the existing freestanding wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos) within the Light Industrial (LI) Zoning District.

The Applicant is proposing the following modifications via the Wireless Permit Application:

- Removal of eight (8) Antennas, four (4) Antenna Mount pipes and six (6) radios.
- The installation of nine (9) Antennas, three (3) Antenna Dual Mounts, six (6) Radios, two (2) 1-5/8" Hybrid cables and one (1) OVP.

The design and configuration of the proposed PWSF (Personal Wireless Service Facility) or WCF (Wireless Communications Facility) are carefully aligned with the existing structural capabilities of the monopole. The decision to maintain the current height and appearance ensures that the tower remains compliant with local zoning and aesthetic regulations. Additionally, the existing monopole design provides the necessary load-bearing capacity to support the upgraded equipment, minimizing any potential need for extensive structural modifications. This approach is both cost-effective and efficient while ensuring continued compliance with safety and technical requirements.

The proposed facility is located on an existing monopole tower, which complies with the guidelines under 17.08B.050.01B3. This approach minimizes the environmental and visual impact, as Verizon has chosen to upgrade an existing facility rather than construct a new tower, which further supports with the intent of optimizing the use of current infrastructure and reducing the need for new development.

To ensure the proposed modifications are compliant with Title 17.08: Supplementary Regulations, Article B: Wireless Facilities, Planning Staff requested a professional peer review of the application by Charles Robertson, a certified Radio Frequency Engineer. Mr. Robertson noted that the proposed modifications appear to be a technological upgrade to 5G, specifically Wide-band TDD.

Mr. Robertson's analysis of Verizon's Application and supporting documentation are attached to this report.

Permit Granting Authority: Pursuant Section 17.08B.060.01 of the Hailey Municipal Code,

A. Wireless Permit: The Hailey Planning Administrator shall be the granting authority for wireless permits not requiring a conditional use permit, subject to final approval or denial by the Planning and Zoning Commission on its Consent Agenda. Such approval or denial shall specify the ordinance and standards used in evaluating the application; the reasons for the approval or denial; and the actions, if any, that the Applicant could take to obtain a permit. An Applicant who is denied or aggrieved by a decision may appeal such decision as set forth in Section 17.08B.150.01 of this article. The Planning Administrator may attach reasonable conditions to the approval of an application, including, but not limited to, those that will minimize adverse impact on adjacent properties or public ways, and/or assure the PWSF or WCF is constructed and/or maintained in accordance with this article and this title.

C. Conditional Use Permits: The commission shall have the authority to approve or deny all conditional use permit applications for PWSFs or WCFs, which shall be jointly processed with wireless permit applications in accordance with the procedures for conditional use permits set forth in chapter 17.11 of this title.

The Wireless Application will be heard concurrently with a Conditional Use Permit Application for the existing Wireless Communication Facility (WCF) attached to the existing freestanding tower.

Procedural History: The Wireless Permit Application and the Conditional Use Permit Application was submitted on April 30, 2025, and certified complete on May 27, 2025. A public hearing before the Planning and Zoning Commission for approval or denial of the project will be held on July 21, 2025, in the Hailey City Council Chambers and virtually via Microsoft Teams.

General Requirements for Wireless Facilities

Compliant			Standards and Staff Comments	
Yes	**No**	**N/A**	**City Code**	**City Standards and** *Staff Comments*
☒	☐	☐	**17.06.050**	**Complete Application**
☒	☐	☐	**17.08B.030:**	**17.08B.030: Applicability**

☒	☐	☐	**17.08B.030.01**	**17.08B.030.01 Permits Required: It shall be unlawful to commence construction or placement of any PWSF or WCF without having first obtained a valid written wireless permit pursuant to this article, and as set forth in section 17.08B.040 of this article, a conditional use permit pursuant to chapter 17.11 of this title.** **A. Building Permit: It shall be unlawful to commence construction on any new PWSF or WCF, or to modify, alter or add on to an existing PWSF or WCF, without having first obtained a valid written building permit as required under the international building code as adopted by Hailey ordinance.**
			Staff Comments	*The Applicant has not yet submitted a Building Permit for the proposed modifications; however, a Building Permit shall be required prior to the commencement of construction/modification/installation of any new equipment. This has been listed as Condition of Approval.*
☒	☐	☐		**B. Conditional Use Permit: Any conditional use permit issued for a PWSF or WCF shall subscribe to procedures set forth in this article and in chapter 17.11 of this title.** **1) Where nonconflicting differences between this article and chapter 17.11 of this title exist, this article shall be additive to and supportive of chapter 17.11 of this title.** **2) Where this article and chapter 17.11 of this title contain conflicting provisions, the more restrictive requirements shall apply. (Ord. 1191. 2015)**
			Staff Comments	*A Conditional Use Permit (CUP) is required for Wireless Communication Facilities (WCF) that are attached to freestanding towers in the Light Industrial (LI) Zoning District, as noted below:* *Pursuant Section 17.08B.060.01 of the Hailey Municipal Code,* *A. Wireless Permit: The Hailey Planning Administrator shall be the granting authority for wireless permits not requiring a conditional use permit, subject to final approval or denial by the Planning and Zoning Commission on its Consent Agenda. Such approval or denial shall specify the ordinance and standards used in evaluating the application; the reasons for the approval or denial; and the actions, if any, that the Applicant could take to obtain a permit. An Applicant who is denied or aggrieved by a decision may appeal such decision as set forth in Section 17.08B.150.01 of this article. The Planning Administrator may attach reasonable conditions to the approval of an application, including, but not limited to, those that will minimize adverse impact on adjacent properties or public ways, and/or assure the PWSF or WCF is constructed and/or maintained in accordance with this article and this title.* *B. Conditional Use Permits: The commission shall have the authority to approve or deny all conditional use permit applications for PWSFs or WCFs, which shall be jointly processed with wireless permit applications in accordance with the procedures for conditional use permits set forth in chapter 17.11 of this title.*

				In accordance with Section 17.08B.060.01 of the Hailey Municipal Code, the Planning Commission will review an associated CUP Application, which shall be jointly processed with this Wireless Permit Application. This standard has been met.
☒	☐	☐	**17.08B.030.02**	**17.08B.030.02: Preexisting Personal Wireless Service Facilities or Wireless Communications Facilities:** **A. Prior Issued Permits: A PWSF or WCF for which a permit has been issued prior to the effective date hereof shall be deemed a permitted use, subject to the conditions of that permit.** **B. Compliance for Unpermitted: All unpermitted PWSFs or WCFs shall be brought into compliance with this article. Unpermitted PWSFs or WCFs will be subject to abatement.** **C. Separate Permits: Where any unpermitted PWSF or WCF to be attached to a mount approved for another use or PWSF or WCF, the unpermitted PWSF or WCF must apply for a separate permit, even when: 1) sharing a legal mount; 2) already in operation; and/or 3) duly licensed by the federal communications commission. The issuance of permit renewals or other new permits for such facilities shall be in accordance with the provisions of this article.** **D. Damaged, Destroyed Facilities: Damaged or destroyed facilities may be rebuilt and all such facilities may be replaced by facilities of the same height at the same location; provided, that lattice towers are encouraged to be changed to mounts of lower visual impact.** **E. New Approvals With Preexisting: Any carrier with at least one preexisting PWSF or WCF in the city of Hailey that is out of compliance with the city of Hailey building and zoning requirements, prior to the adoption of this article, shall not be eligible for any new approvals of PWSFs or WCFs by the city until each preexisting PWSF or WCF owned by that carrier is brought into compliance with this article. (Ord. 1191, 2015)**
			Staff Comments	*The existing wireless facility was installed prior to the adoption of Section 17.08B: Wireless Facilities. The proposed modifications are to an existing and previously permitted facility. The Hailey Municipal Code requires that the existing facility and the proposed modifications be reviewed and/or brought into compliance. The Applicant has submitted a new Wireless Permit Application for the proposed modifications, and the proposed modifications appear to be compliant with code.*
☒	☐	☐	**17.08B.030.03**	**17.08B.030.03: Unpermitted Facilities, Mounts or Equipment Ineligible for Collocation:** **A. No issuance of any permit under this article shall occur for a request to collocate, attach or share an existing PWSF or WCF site, mount or facility, when such existing site, mount or facility is found to have one or more PWSFs or WCFs without permits and/or any structure, mount or facility is found to lack one or more building or any other permits required by the city, or is otherwise in violation of city ordinance or state or federal law.**

				B. Any application by a wireless carrier or other entity shall not be accepted by the city of Hailey if that wireless carrier has a preexisting PWSF or WCF on, or the other entity owns or leases, a mount, rooftop or tower, on which there is any unpermitted PWSF or WCF until that PWSF or WCF is brought into compliance with this article. (Ord. 1191, 2015)
			Staff Comments	*The existing Wireless Facility and proposed modifications are permissible, so long as the modifications comply with FCC regulations and standards noted herein.* *To ensure the proposed modifications are compliant with Title 17.08: Supplementary Regulations, Article B: Wireless Facilities, Planning Staff reached out to Charles Robertson, a certified Radio Frequency Engineer. Mr. Robertson stated that the proposed modifications appear to be a "technology upgrade for current services adding 5G C-Band, specifically Wide-band TDD."* *Mr. Robertson had concerns regarding the proximity of the monopole tower to the Airport and encouraged the review and monitoring of the progress of the 5G and Aviation safety and associated documentation per the FAA and the 5G. He also suggested notifying the Airport of the proposed Verizon 5G- C-Band installation. He stated that this was no reason to delay or deny the application but to maintain awareness of the issue. This has been made a Condition of Approval.* *Mr. Robertson's analysis of Verizon's Application is attached to this report.*
☐	☐	☒	**17.08B.030.04**	**17.08B.030.04: Exempt Communication Facilities:** **A. The requirements imposed by this article shall not apply to antennas designed to receive video programming signals from direct broadcast satellite (DBS) services, multichannel multipoint distribution providers (MMDS), or television broadcast stations (TVBS); provided, that all of the following conditions are met:** **1) The antenna measures thirty-nine inches (39") (1m) in diameter or less in diameter** **2) A dish that measures greater than thirty-nine inches (39") (1m) in diameter that is complete enclosed** **3) The antenna is attached to a freestanding tower measuring less than twelve feet (12') in height** **B. The requirements of this article shall not apply to amateur radio facilities owned and operated by a federally licensed amateur radio operator or used exclusively as noncommercial, receive only antennas. However, such facilities may not collocate a PWSF or WCF unless a wireless permit is obtained under this article. (Ord. 1191, 2015)**
			Staff Comments	*N/A, as the existing facility and proposed modifications do not meet the specifications of an exempt communication facility.*
☒	☐	☐	**17.08B.030.05**	**17.08B.030.05: Relationship to Other Ordinances: This article shall supersede any conflicting requirements contained in this title regarding the siting and permitting of PWSFs or WCFs, except as otherwise specifically provided for in this article. (Ord. 1191, 2015)**

☒	☐	☐	**17.08B.030.06**	**17.08B.030.06: Jurisdiction: This article shall apply only in the incorporated area of the city of Hailey and where adopted pursuant to the Hailey/Blaine County area of city impact ordinance. (Ord. 1191, 2015)**
☒	☐	☐	**17.08B.030.07**	**17.08B.030.07: Zoning District Regulations, General Prohibitions and Restrictions:** **A. Applicability: The placement, use or modification of any wireless communication facility at any location within the city of Hailey is subject to the provisions of this article.** **B. LB, B, LI, TI, SCI, A Districts: In the limited business district, business district, light industrial district, technological industry district, service commercial industrial district, and airport district:** **1) PWSFs and WCFs attached to street poles shall be a permitted use in the aforementioned zoning districts upon issuance of a wireless permit in accordance with the provisions of this article** **2) All other PWSFs or WCFs, excluding freestanding towers, shall be permitted as an accessory use in the aforementioned zoning districts of Hailey upon issuance of a wireless permit in accordance with provisions of this article** **3) Freestanding towers and monopoles, excluding lattice towers, shall be a conditional use within these zoning districts of Hailey upon issuance of a wireless permit and a conditional use permit in accordance with this article and chapter 17.11 of this title**
			Staff Comments	*The existing Wireless Facility is attached to the freestanding tower, located at 1141 Airport Way, in the Warehouse West Condos. The proposed modifications will occur to the existing monopole tower; no change in tower height is proposed.*
☐	☐	☒		**C. RGB, LR, GR, TN Districts: In the recreational green belt district, limited residential district, general residential district, and transitional district:** **1) PWSFs or WCFs shall be permitted only as a conditional use in the aforementioned zoning districts of Hailey upon issuance of both a wireless permit in accordance with this article and conditional use permit in accordance with chapter 17.11 of this title** **2) Freestanding towers and monopoles shall be prohibited in these zoning districts of Hailey.**
			Staff Comments	*N/A, as the project is located within the Light Industrial (LI) Zoning District.*
☐	☐	☒		**D. Prohibitions: The following are prohibited within the City:** **1) Lattice towers larger than two feet by two feet (2' x 2')** **2) WCFs and PWSFs that interfere with City and public safety communication systems and/or area television or radio broadcast**
			Staff Comments	*N/A, as no lattice towers are proposed.*
☐	☐	☒		**E. Restrictions: In all zoning districts within Hailey, no guywire or other support wires shall be used in connection with antenna, antenna array or its support structure, except when used to anchor the antenna,**

				antenna array or support structure to an existing building to which such antenna, antenna array or support structure is attached. (Ord. 1191, 2015)
			Staff Comments	*N/A, as no guywire or other support wires are proposed at this time.*
☒	☐	☐	**17.08B.050**	**17.08B.050: Location and Facility Type Standards and Priorities**
☒	☐	☐	**17.08.050.01**	**17.08B.050.01: Location Selection Criteria:** **A. Master Development Plan: PWSFs or WCFs shall be located on a master development plan as set forth in section 17.08B.060.02 of this article;**
			Staff Comments	*Please refer to Section 17.08B.060.02 for further information.*
☒	☐	☐		**B. Siting Criteria: Applications shall be considered based on preferred siting criteria as set forth below in order of priority:** **1. City owned property due to the city's ability to control and monitor ordinance compliance;** **2. Public safety communication center;** **3. Collocation on existing buildings, structures and towers in the zoning districts set forth in subsection 17.08B.040B of this article. In presenting another site, the applicant shall have the burden of proving that there are no such feasible existing structures upon which to locate;** **4. Street poles;** **5. Existing buildings and structures, excluding freestanding towers and monopoles, located on residentially zoned land, as set forth in subsection 17.08B.040C of this article;** **6. In areas where the existing topography, vegetation, buildings and other structures provide the greatest amount of screening;** **7. Other locations consistent with the provisions of this title;** **8. Location of PWSFs or WCFs within floodplain areas, wetlands, hillside areas above twenty five percent (25%) slope, avalanche prone areas, areas where the FAA requires lighting on the facility, and areas for which the FCC requires an environmental assessment under the national environmental policy act (NEPA) are to be avoided. (Ord. 1191, 2015)**

☐	☐	☒	**17.08B.050.02**	**17.08B.050.02: Collocation Requirement: Collocation is considered to be the least intrusive and visually unobtrusive installation method because the equipment is attached to an existing structure. No new tower shall be permitted unless the applicant demonstrates a good faith effort to collocate on an existing facility, including good faith efforts to negotiate lease rights, and there is no reasonable alternative location, site or design. The applicant shall submit clear and convincing evidence that:** **A. No suitable existing towers or structures are located within the city or immediate geographic area;** **B. Existing towers or structures are not sufficiently designed to meet the applicant's master development plan;** **C. Existing towers or structures do not have sufficient structural strength to support the applicant's proposed antenna and related equipment;** **D. The applicant's proposed antenna would cause electromagnetic interference with the antenna on the existing towers or structures, or the antenna on the existing towers or structures would cause interference with the applicant's proposed antenna;** **E. The fees, costs or contractual provisions required by the owner of the proposed collocation site in order to share an existing tower or structure or to adapt an existing tower or structure for share are prohibitive;** **F. Costs exceeding new tower development and construction are presumed (rebuttably) to be prohibitive;** **G. No other reasonable alternative exists to the applicant's proposed PWSF or WCF;** **H. In the case of public safety communication equipment, existing towers or structures do not satisfy requirements for public safety communication accreditation.** **In addition, no new tower shall be permitted unless the applicant provides a written statement to the city that the applicant shall make a good faith effort to allow other wireless carriers to collocate antennas on the proposed tower where technically and economically feasible. This provision shall not apply to lattice towers. (Ord. 1191, 2015)**
			Staff Comments	*The Applicant has submitted a new Wireless Permit Application for the proposed modifications to the existing facility. As specified in Section 8B.5.2 and outlined in 17.08B.060.02 (Master Development Plan), Verizon is in full compliance with the Co-location Requirements. The proposed PWSF or WCF will be collocated on an existing monopole tower, further adhering to the guidelines and codes set forth. This approach not only supports the goal of reducing visual clutter but also ensures that the facility adheres to local zoning regulations, fostering efficient use of existing infrastructure for wireless communication needs.*
☒	☐	☐	**17.08B.060**	**17.08B.060: Application and Hearing Procedures**
☒	☐	☐	**17.08B.060.01**	**17.08B.060.01: Permit Granting Authority:** **A. A. Wireless Permit: The Hailey planning administrator shall be the granting authority for wireless permits not requiring a conditional use permit, subject to final approval or denial by the planning and zoning commission on its consent agenda. Such approval or denial shall**

				specify the ordinance and standards used in evaluating the application; the reasons for the approval or denial; and the actions, if any, that the applicant could take to obtain a permit. An applicant who is denied or aggrieved by a decision may appeal such decision as set forth in section 17.08B.150.01 of this article. The planning administrator may attach reasonable conditions to the approval of an application, including, but not limited to, those that will minimize adverse impact on adjacent properties or public ways, and/or assure the PWSF or WCF is constructed and/or maintained in accordance with this article and this title.
			Staff Comments	*This project requires a Conditional Use Permit; therefore, in accordance with Section 17.08B.060.01 of the Hailey Municipal Code, the Planning Commission shall review the associated Conditional Use Permit Application, which shall be jointly processed with the Wireless Permit Application in accordance with the procedures for Conditional Use Permits set forth in chapter 17.11 of this title.*
☒	☐	☐		**B. Master Development Plans: The planning administrator shall also have the authority to approve or deny all PWSF or WCF master development plans.**
			Staff Comments	*Please refer to Section 17.08B.060.02 for further information.*
☒	☐	☐		**C. Conditional Use Permits: The Commission shall have the authority to approve or deny all conditional use permit applications for PWSFs or WCFs, which shall be jointly processed with wireless permit applications in accordance with the procedures for conditional use permits set forth in chapter 17.11 of this title.**
			Staff Comments	*This project requires a Conditional Use Permit; therefore, in accordance with Section 17.08B.060.01 of the Hailey Municipal Code, the Planning Commission shall review the associated Conditional Use Permit Application, which shall be jointly processed with the Wireless Permit Application in accordance with the procedures for Conditional Use Permits set forth in chapter 17.11 of this title. The Applicant submitted a Conditional Use Permit Application to be heard concurrently with the Wireless Permit Application.*
☐	☐	☒		**D. Encroachment Permit: Prior to issuance of any wireless permit for a facility to be located on a street pole, or otherwise within the public right of way, an encroachment permit or right of way use agreement must be obtained by the applicant for the PWSF or WCF from the city and/or, where applicable, the Idaho transportation department (ITD). Any PWSF or WCF to be otherwise located on city owned property shall also enter into a lease agreement with the city subject to authorization by the city council. (Ord. 1191, 2015)**
			Staff Comments	*N/A, as the Wireless Facility exists and is not located on a street pole or within the public right-of-way.*
☒	☐	☐	**17.08B.060.02**	**17.08B.060.02: Master Development Plan:** **A. Required: An applicant for a wireless permit must obtain approval of a master development plan by the Hailey planning administrator and pursuant to this article prior to or concurrently with the processing of any wireless permit application. A master development plan shall be submitted by each company seeking placement of a PWSF or WCF within the city.**

				B. Waiver: The planning administrator may waive the processing of a master development plan if the applicant demonstrates by clear and convincing evidence that a network of PWSFs or WCFs will not be required of the owner/operator of the proposed PWSF or WCF. **C. Expected Network Illustrated: The master development plan shall illustrate a carrier's expected network of PWSFs or WCFs within and adjacent to the city. It shall forecast five (5) years in advance the approximate locations of future facilities and the areas of service, but is not required to detail the specific siting or type of facility (e.g., pole, roof, building attached). Future amendments to each company's master development plan shall be submitted and reviewed by the planning administrator prior to approval of additional PWSF or WCF facility locations.** **D. Placement Without Plan: If a PWSF or WCF is placed without a master development plan, the applicant shall file for and receive approval of a plan prior to the filing of an application for another PWSF or WCF. (Ord. 1191, 2015)**
			Staff Comments	*The Applicant is seeking an approval to continue utilizing the existing Wireless Facility and currently has no plans for constructing a new facility within the City of Hailey. Based on this information, the Master Development Plan was administratively waived. Staff concur with the previous waiver and do not see a need for a Master Development Plan at this time.*
☒	☐	☐	**17.08B.060.05:**	**17.08B.060.05: Permit Form, Annual Report and Renewal:** **A. Issuance of Permit: Upon approval, the city shall issue the applicant a wireless permit in written form stating the exact PWSF or WCF approved and the conditions, if any, of said permit.** **B. Annual Report: As a condition of each wireless permit, the applicant shall file with the city on each anniversary date of the issuance of the permit an annual report containing the following information:** **1. Name of permittee, landowner;** **2. Any collocation added to the site or removed from the site within the preceding year;** **3. Any modifications to the site in the preceding year, including change of ownership;** **4. Updated list of hazardous substances as set forth in subsection 17.08B.060.03C15d of this article, together with a plan of the site showing the exact location of each such substance and means of access in case of an emergency;** **5. Date of the last physical inspection of the site by the permittee and any carrier on the site;** **6. The name and telephone number of contact person in case of emergency at the site and for any required maintenance of the site.** **7. Annual renewal fee as set by city ordinance.** **C. Renewal; Failure To File: The permit shall be automatically renewed annually upon the filing of an annual report and renewal fee as set by city ordinance. Failure to file an annual report shall result in the expiration of the wireless permit. Expiration occurs one year after the**

				due date of the annual report. A new application, together with all applicable fees, shall be required to reinstate the permit. *D.* **Conditional Use Permit: Where an application is also required as set forth in this article, the city shall issue the applicant a conditional use permit in written form stating the exact PWSF or WCF and the conditions of said permit. Such permit shall be subject to the terms and conditions set forth in chapter 17.11 of this title, as well as any supplementary conditions set forth in this article. (Ord. 1191, 2015)**
			Staff Comments	*This project requires a Conditional Use Permit; therefore, in accordance with Section 17.08B.060.01 of the Hailey Municipal Code, the Planning Commission shall review the associated Conditional Use Permit Application, which shall be jointly processed with the Wireless Permit Application in accordance with the procedures for Conditional Use Permits set forth in chapter 17.11 of this title. The Applicant submitted a Conditional Use Permit Application to be heard concurrently with the Wireless Permit Application.*
☒	☐	☐	**17.08B.070.01**	**17.08B.070.01: Applicability: The standards identified in the sections below shall apply to all wireless permits and all PWSFs or WCFs constructed or located in the city, unless otherwise herein specified. Such standards shall also be considered in the issuance of a conditional use permit pursuant to this article and chapter 17.11 of this title. The Applicant for a wireless permit has the burden of demonstrating compliance with these standards.**
			Staff Comments	*A Conditional Use Permit is required for all Wireless Communication Facilities (WCF) attached to freestanding towers in the Light Industrial (LI) Zoning District, as noted below:* *Pursuant Section 17.08B.060.01 of the Hailey Municipal Code,* *A. Wireless Permit: The Hailey Planning Administrator shall be the granting authority for wireless permits not requiring a conditional use permit, subject to final approval or denial by the Planning and Zoning Commission on its Consent Agenda. Such approval or denial shall specify the ordinance and standards used in evaluating the application; the reasons for the approval or denial; and the actions, if any, that the Applicant could take to obtain a permit. An Applicant who is denied or aggrieved by a decision may appeal such decision as set forth in Section 17.08B.150.01 of this article. The Planning Administrator may attach reasonable conditions to the approval of an application, including, but not limited to, those that will minimize adverse impact on adjacent properties or public ways, and/or assure the PWSF or WCF is constructed and/or maintained in accordance with this article and this title.* *B. Conditional Use Permits: The commission shall have the authority to approve or deny all conditional use permit applications for PWSFs or WCFs, which shall be jointly processed with wireless permit applications in accordance with the procedures for conditional use permits set forth in chapter 17.11 of this title.*

				In accordance with Section 17.08B.060.01 of the Hailey Municipal Code, the Planning Commission will review an associated CUP Application, which shall be jointly processed with this Wireless Permit Application. This standard has been met.
☐	☐	☒	**17.08B.070.02**	**17.08B.040.02: Height: PWSFs or WCFs shall not exceed forty feet (40') AGL or the maximum permissible height of the zoning district where it is sited, whichever is lower, with the exception of facade and roof attached PWSFs or WCFs or public safety communication equipment as described below:**
				A. Roof attached PWSFs or WCFs shall not exceed five feet (5') above the highest portion of the roof membrane, or continuous parapet wall. The antenna and support system for whip antennas shall not exceed ten feet (10') above the highest portion of that roof, including parapet walls.
			Staff Comments	*The proposed facility is located on an existing monopole tower located in the LI Zoning District, which complies with the guidelines under 17.08B.050.01B3.*
☐	☐	☒		**B. Facade attached PWSFs or WCFs shall not exceed five feet (5') above the facade to which it is attached.**
			Staff Comments	*N/A, as the proposed modifications are proposed to be installed on an existing monopole, and do not attach to the façade of the building.*
☒	☐	☐		**C. If the height of the building is in excess of the maximum height allowed within the zone and was legally established, then the combined height of the building and antenna shall not exceed the maximum height allowed by such approval, unless determined to be suitably camouflaged.**
			Staff Comments	*The proposed facility is located on an existing monopole tower located in the LI Zoning District, which complies with the guidelines under 17.08B.050.01B3.*
☐	☐	☒		**D. Street pole attached PWSFs or WCFs may only extend six feet (6') above the existing street pole. A maximum extension of ten feet (10') from the top of the street pole, may be permitted pursuant to standards provided in section 17.08B.070.09 of this article, if a utility disturbance can be clearly demonstrated.**
			Staff Comments	*N/A, as the Wireless Facility is not attached to a street pole.*
☐	☐	☒		**E. Public safety communication equipment located on the same property as a public safety communication center, the height of the support structure may be allowed a maximum of seventy-five feet (75') AGL. (Ord. 1191, 2015)**
			Staff Comments	*N/A*
☐	☐	☒	**17.08B.070.03**	**17.08B.070.03: Setbacks: All PWSFs or WCFs, except those mounted-on street poles, shall comply with the building setback provisions of the zoning district in which the PWSF or WCF is located or the requirements of this section, whichever is greater. At a minimum, the following setbacks shall be observed:** **A. Street Pole Attached: No setback when constructed within the public right of way and under the provisions of section 17.08B.070.09 of this article;**

			Staff Comments	*N/A*
☐	☐	☒		**A. Facade Attached: The maximum projection shall be eighteen inches (18"). The location of a PWSF or WCF on the wall of a legal nonconforming structure is permitted. However, the PWSF or WCF shall not be located on an exterior wall in a manner that will increase the degree of nonconformity. Additional standards for antennas attached to the facade of structures are listed in section 17.08B.070.09 of this article**
			Staff Comments	*N/A*
☐	☐	☒		**B. Roof Attached: PWSFs or WCFs shall be set back from the edge of the building a distance equal to the height of the antenna and support system as measured from the roof membrane**
			Staff Comments	*N/A*
☒	☐	☐		**C. Freestanding Tower: Setbacks shall be measured from the base of the tower to the property line of the parcel on which it is located. Towers shall be set back from all property lines one hundred percent (100%) of the height of the tower as measured from the base of the tower to the highest point of the tower, including antennas**
			Staff Comments	*The proposed facility is located on an existing monopole tower located in the LI Zoning District, which complies with the guidelines under 17.08B.050.01B3.*
☐	☐	☒		**D. Underground Vaults or Aboveground Structures: Underground vaults or aboveground structures shall comply with all setback and other requirements of the underlying zoning district in which the real property is located**
			Staff Comments	*N/A*
☐	☐	☒		**E. Equipment Enclosures: No freestanding PWSFs or WCFs or equipment enclosures shall be located between the face of a structure and a public street, bikeway, park or residential development, except for approved facade attached PWSFs or WCFs located on existing or new permitted structures in accordance with this article. (Ord. 1191, 2015)**
			Staff Comments	*N/A*
☒	☐	☐	**17.08B.070.04**	**17.08B.070.04: Design Standards: The following design criteria shall be met by each application for wireless permit approval:**
☒	☐	☐		**A. Architectural Compatibility:** **1) All facilities shall be designed to minimize the visual impact to the greatest extent feasible, considering technological requirements, by means of placement, screening and camouflage to be compatible with existing architectural elements and building materials and other site characteristics. The applicant shall use the smallest and least visible antennas**

				possible, as well as the smallest possible equipment enclosure.
			Staff Comments	*The new antennas will be visible from Airport Way and Skymaster Lane. The antennas will not be visible from State Highway 75.*
☒	☐	☐		**2) Equipment enclosures of PWSFs or WCFs shall be placed in underground vaults or within buildings where possible. All other equipment enclosures shall be designed consistent with the requirements of this article. The equipment enclosure shall be constructed so as to minimize its visual impact. Landscape planting shall be installed and maintained to completely obscure the visibility of the equipment enclosure from the developed street and adjacent properties. Sight distance clearance shall be maintained for the equipment enclosure and associated landscape pursuant to the requirements of this article and other applicable ordinances and standards of the city. Any aboveground equipment enclosure greater than ninety (90) cubic feet in size shall be subject to design review pursuant to chapter 17.06 of this title.**
				The proposed facility is located on an existing monopole tower within the LI Zoning District, which complies with the guidelines under 17.08B.050.01B3.
☐	☐	☒		**B. Landscaping or Screening Standards:** **1) Support structures and equipment enclosures shall be installed so as to maintain and blend with existing landscaping on site, including trees, foliage and shrubs, whether or not utilized for screening**
			Staff Comments	*N/A, as no landscaping exists and/or is proposed.*
☐	☐	☒		**2) Additional landscaping and screening shall be installed to visually screen the aboveground equipment enclosures. Landscaping and screening shall consist of a combination of trees, foliage and shrubs of dense spacing in one of the following designs:** **a) A screening wall or fence and a five foot (5') wide landscape planter located in front of the wall or fence** **b) A ten-foot (10') wide landscape planter** **c) Any combination of existing vegetation, topography, decorative walls/fences or other features instead of landscaping, if they achieve the same degree of screening as the required landscaping described above.**
				N/A
☐	☐	☒		**3) No PWSF or WCF shall be at a height greater than ten feet (10') above the average height of the existing, mature trees located on site.**
			Staff Comments	*N/A, as no mature landscaping exists onsite.*

☐	☐	☒		**4) Where mature trees or landscaping does not exist, the appropriateness of siting support structures and equipment enclosures shall be determined by considering the context of the surrounding topography, buildings or other vertical structures.**
			Staff Comments	*No, as no mature landscaping exists onsite.*
☐	☐	☒		**5) Upon completion, the permittee(s) of the facility shall be jointly and severally responsible for the continued maintenance and replacement of all required landscaping and screening materials**.
			Staff Comments	*N/A, as no mature landscaping exists onsite.*
☒	☐	☐		**C. Color and Materials Standards:** **1) PWSFs or WCFs located on buildings, walls or roofs, or structures, shall be painted or constructed of materials to match the color of the structure directly behind them to reduce the visibility of the PWSF or WCF**
			Staff Comments	*The upgrades are for the existing monopole tower and are proposed to match the existing equipment that is currently at the site. The new antennas are proposed to be light gray.*
☒	☐	☐		**2) To the extent any PWSFs or WCFs extend above the height of the vegetation immediately surrounding it, they shall be painted in a nonreflective light gray, light blue or other hue, which blends with the skyline and horizon.**
			Staff Comments	*There is no vegetation immediately surrounding the existing monopole tower.*
☒	☐	☐		**D. Facility Lighting and Signage Standards:** **1) Facility lighting shall be designed so as to meet but not exceed minimum requirements for security, safety and/or FAA regulations. Lighting of antennas or support structures shall be prohibited unless required by the FAA and no other alternatives are available. In all instances, the lighting shall be designed so as to avoid glare and minimize illumination on adjacent properties. No strobe or flashing lights shall be permitted unless no other lighting can meet FAA regulations and the applicant provides written confirmation from the FAA that the specific WCF under review cannot meet its regulations by the use of any other alternative other than such lighting. Lighting shall also comply with any applicable city lighting standards.**
			Staff Comments	*The FAA does not require notification of construction and/or modifications to wireless facilities for antennas less than 20 feet in height; therefore, no lighting, or approval by the FAA, is necessary at this time. It has been made a Condition of Approval that any exterior on or attached to the Wireless Facility is prohibited.*
☐	☐	☒		**2) Signs shall be limited to those needed to identify the telephone number(s) to contact in an emergency, public safety warnings, certifications or other required seals. These signs shall also comply with the requirements of the city's sign regulations.**

			Staff Comments	*N/A, as no signs are proposed and/or required at this time.*
☒	☐	☐		**3) All facility lighting shall comply with the standards as set forth in article C of this chapter. (Ord. 1191, 2015)**
			Staff Comments	*No lighting is necessary at this time. It has been made a Condition of Approval that any exterior on or attached to the Wireless Facility is prohibited.*
☒	☐	☐	**17.08B.070.05**	**17.08B.070.05: Parking Standards:** **A. Automated: If the freestanding PWSF or WCF is fully automated, one off street parking space shall be provided for maintenance workers.**
			Staff Comments	*The wireless facility is fully automated, and one (1) off-street parking space is required, which exists from the original approval of the facility.* 
☐	☐	☒		**B. Nonautomated: Nonautomated PWSFs or WCFs shall provide documentation regarding the provision of adequate off-street parking. Parking will be sufficient to accommodate the maximum number of employees at any one time. (Ord. 1191, 2015)**
			Staff Comments	*N/A*
☒	☐	☐	**17.08B.070.06**	**17.08B.070.06: Access Standards: In addition to ingress and egress requirements of the international building code and the international fire code, access to and from PWSFs or WCFs, and equipment shall be regulated as follows:**

				A. Interference: No PWSF or WCF or equipment shall be located in a required parking, maneuvering or vehicle/pedestrian circulation area such that it interferes with, or in any way impairs, the intent or functionality of the original design.
			Staff Comments	*This standard has been met. The Wireless Facility and all associated equipment are located on an existing monopole tower, which complies with the guidelines under 17.08B.050.01B3.*
☒	☐	☐		**B. Public, Emergency Access: The PWSF or WCF shall be secured from access by the general public, but access for emergency services must be ensured. Access roads shall comply with fire department and other city standards for emergency vehicular access. (Ord. 1191, 2015)**
			Staff Comments	*This standard has been met. The Wireless Facility and all associated equipment are located on an existing monopole tower, which complies with the guidelines under 17.08B.050.01B3.*
☒	☐	☐	**17.08B.070.07**	**17.08B.070.07: Scenic Landscapes and Vistas Standards:** **A. Open Areas: Freestanding PWSFs or WCFs shall not be located within open areas that are visible from public roads, recreational areas or residential development. As specified in subsection 17.08B.070.04A1 of this article, PWSFs or WCFs shall be installed to blend with existing landscaping and structures.**
			Staff Comments	*The existing Wireless Facility is visible from Airport Way and Skyline Lane, both public streets. The facility, in 2003, was designed to minimize the appearance and effect of the freestanding tower.*
☐	☐	☒		**B. Scenic Areas: Any PWSF or WCF that is located within three hundred feet (300') of a scenic vista, scenic landscape or scenic road as designated by the city, in addition to height regulations specified in section 17.08B.070.02 of this article, shall not exceed the height of vegetation at the proposed location. If the facility is located further than three hundred feet (300') from the scenic vista, scenic landscape or scenic road, section 17.08B.070.02 of this article shall apply exclusively. (Ord. 1191, 2015)**
			Staff Comments	*N/A, as the freestanding equipment is not located within 300 feet of a scenic vista, landscape, or scenic road.*
☐	☐	☒	**17.08B.070.08**	**17.08B.070.08: Environmental Standards:** **A. Floodways, Wetlands: PWSFs or WCFs shall not be located in floodways and wetlands. PWSFs or WCFs shall also be avoided whenever possible in floodplains and disturbance to floodplain areas shall be minimized.**
			Staff Comments	*N/A, as the facility is not located within the floodplain or wetlands.*
☐	☐	☒		**B. Riparian Areas: PWSFs or WCFs shall not be located in riparian setbacks along watercourses.**
			Staff Comments	*N/A, as the facility is not located in any riparian setbacks.*
☐	☐	☒		**C. Avalanche Areas: PWSFs or WCFs shall avoid locating in avalanche prone areas, as determined by site specific studies on a case by case basis as part of the PWSF or WCF approval process. Evidence shall be**

				submitted to demonstrate that no location outside an avalanche prone area can accommodate the applicant's proposed antenna as specified in the collocation requirement of section 17.08B.050.02 of this article. PWSFs or WCFs located within avalanche prone areas shall provide proof of FCC acceptance of the proposed location.
			Staff Comments	*N/A, as the facility is not located in avalanche prone areas.*
☒	☐	☐		**D. Hazardous Waste: No hazardous waste shall be discharged on the site of any PWSF or WCF. If any hazardous materials are to be used on site, there shall be provisions for full containment of such materials. An enclosed containment area shall be provided with a sealed floor, designed to contain at least one hundred ten percent (110%) of the volume of the hazardous materials stored or used on site.**
			Staff Comments	*Hazardous waste shall not be discharged, stored, or used onsite. This has been made a Condition of Approval.*
☐	☐	☒		**E. Stormwater Runoff: Stormwater runoff shall be contained on site.**
			Staff Comments	*N/A*
☐	☐	☒		**F. Placement in Floodplain: PWSFs or WCFs locating within the floodplain shall comply with the additional placement standards set forth in the Hailey floodplain ordinance and provide written proof of FCC acceptance of the proposed location.**
			Staff Comments	*N/A, as this facility is not located within the floodplain.*
☐	☐	☒		**G. Aboveground Noise: Aboveground equipment for PWSFs or WCFs, exclusive of roof and facade attached PWSFs or WCFs, shall not generate noise in excess of fifty (50) decibels at the property line.**
			Staff Comments	*N/A, the existing Wireless Facility is freestanding roof mounted.*
☒	☐	☐		**H. Noise from Attached Equipment: Roof or facade attached equipment for PWSFs or WCFs shall not generate noise in excess of fifty (50) decibels at ground level at the base of the structure closest to the antenna.**
			Staff Comments	*This standard shall be met and has been made a Condition of Approval.*
☒	☐	☐		**I. Measurement of Noise: The noise standards of this article require measurements by a qualified acoustical engineer. (Ord. 1191, 2015)**
			Staff Comments	*Upon the installation of new antennas, a Condition of Approval has been made that a qualified acoustic engineer submit a statement showing that the requirements above are met.*
☐	☐	☒	**17.08B.070.09**	**17.08B.070.09: Street Pole and Façade Attached Standards: Street pole and facade attached PWSFs or WCFs shall meet the following conditions and criteria, in addition to the other standards identified in this section:** **A. Facade Attached PWSFs Or WCFs: Equipment enclosures shall be located within the structure in which the WCF is placed or located underground if site conditions permit. Otherwise, equipment**

				enclosures shall comply with the design standards listed in section 17.08B.070.04 of this article.
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**B. Street Pole Attached PWSFs Or WCFs: Only one PWSF or WCF shall be permitted on any one street pole. Surface area of an antenna shall not exceed four (4) square feet. The antenna shall be either fully concealed within the street pole or camouflaged to appear to be an integrated part of the street pole. An antenna not flush mounted on the side of the street pole shall be centered on the top of the street pole to which it is attached; horizontal projection shall not exceed twelve inches (12") beyond the outer diameter of the pole, and camouflaged or disguised.**
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**C. Utility Separation: In the event that a utility located upon the street pole requires vertical separation between its utility facilities and the antenna so attached, the antenna may be raised by a support system to accommodate the separation requirement to an elevation not exceeding an additional ten feet (10') or the required separation, whichever is less. Any such support shall not be greater in diameter than the existing street pole and shall be designed to blend into the colors and textures of the existing street pole.**
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**D. Pole Replacement: Existing street poles may be replaced with a new street pole of the same height, dimensions and appearance as the existing street pole. An antenna located upon the new street pole shall meet the standards for attaching an antenna to an existing street pole, as set forth above.**
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**E. Horizontal Separation: For PWSFs or WCFs located within developed streets, there shall be a minimum horizontal separation of three hundred feet (300') between the PWSFs or WCFs of a single licensed carrier and a minimum horizontal separation of one hundred feet (100') between the PWSFs or WCFs of any other licensed carrier.**
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**F. Permits: An encroachment permit or right of way permit shall be obtained from the city, or where applicable, ITD, by the applicant, after staff review of the wireless permit application and prior to its issuance.**
			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☐	☐	☒		**G. Relocation of Utilities: In the event the utilities located on a street pole are relocated underground, the PWSF or WCF shall be relocated to another location pursuant to the requirements of this article. (Ord. 1191, 2015)**

			Staff Comments	*N/A, as the Wireless Facility and all associated equipment are located on an existing monopole tower.*
☒	☐	☐	**17.08B.070.10**	**17.08B.070.10: Review of Alternatives: In reviewing the alternatives submitted with regard to an application under subsection 17.08B.060.03C of this article, the city shall compare the PWSF or WCF proposed in the application with the alternatives submitted. Comparisons shall be made between: a) the location selection criteria set forth in section 17.08B.050.01 of this article; b) the collocation requirement set forth in section 17.08B.050.02 of this article; and c) the standards and criteria set forth in section 17.08B.070 of this article, in order to determine which best meets those standards, criteria and priorities and which is the least intrusive on the values set forth in the intent and purpose set forth in this article. (Ord. 1191, 2015)**
☒	☐	☐	**17.08B.080**	**17.08B.080: Safety Requirements:** **A. Federal Requirements: All PWSFs or WCFs shall meet or exceed current standards and regulations of the FAA, the FCC and any other agency of the federal government with the authority to regulate towers and antennas. If such standards and regulations are changed, the owners of the PWSFs or WCFs governed by this article shall bring such PWSFs or WCFs into compliance with the revised standards and regulations. Failure to bring PWSFs or WCFs into compliance with such revised standards and regulations shall constitute grounds for revocation of the wireless permit and removal of the PWSF or WCF at the owner's expense.**
			Staff Comments	*The FAA conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, and issued a determination of "no hazard to air navigation."* *The aeronautical study revealed that the structure does exceed obstruction standards but would not be a hazard to air navigation provided the conditions are met. This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the or the addition of other transmitters, requires separate notice to the FAA.* *This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.* *This aeronautical study included an evaluation of a 120-foot AGL structure that exists at this time. Action will be taken to ensure aeronautical charts are updated*

				to reflect this existing height and the most current coordinates/elevation as indicated in the above description. *The full FAA report is attached for your review.*
☒	☐	☐		**B. Antenna Support Structure Safety: The applicant shall demonstrate that the proposed antenna and support structure are safe and the surrounding areas shall not be negatively affected by support structure failure, falling ice or other debris or interference. All support structures shall be fitted with anticlimbing devices, as approved by the manufacturers. (Ord. 1191, 2015)**
			Staff Comments	*The proposed equipment meets the loading requirements as outlined in the submitted tower loading analysis completed by POD for American Tower dated December 4, 2024. However, the proposed upgrade puts the maximum usage at 80%.* *The safety and durability of the proposed modifications will be evaluated by the Building Department during the building plan review process.*
☒	☐	☐	**17.08B.090**	**17.08B.090: Maintenance Requirements:** **A. Each permittee shall maintain its PWSF or WCF in a good and safe condition, preserving the original appearance and concealment, disguise or screening elements incorporated into the design at the time of approval and in a manner, which complies with all applicable federal, state and local requirements. Such maintenance shall include, but not be limited to, such items as painting, repair of equipment and maintenance of landscaping. If the permittee fails to maintain the facility, the city may undertake the maintenance at the expense of the permittee or terminate the permit, at its sole option**.
			Staff Comments	*It has been made a Condition of Approval that the facility be maintained in accordance with the Maintenance Requirements noted herein.*
☒	☐	☐		**B. To ensure the structural integrity of towers, the owner of a tower shall ensure that it is maintained in compliance with standards contained in applicable city building codes and the applicable standards for towers that are published by the EIA, as amended from time to time. If, upon inspection, the city concludes that the tower fails to comply with such codes or standards and constitutes a danger to person or property, then upon notice being provided to the owner of the tower, the owner shall have thirty (30) days to bring such tower into compliance with such standards. Failure to bring such tower into compliance within said thirty (30) days constitutes grounds for revocation of the wireless permit and removal of the PWSF or WCF at the owner's expense. (Ord. 1191, 2015)**
			Staff Comments	*The Applicant is hereby notified of this standard, and it has been made a Condition of Approval.*
☒	☐	☐	**17.08B.100**	**17.08B.100: Modification of PWSFs or WCFs:**

				A. New Permit: Any proposed change or addition to any PWSF or WCF shall require the issuance of a new wireless permit, pursuant to the requirements of this article. This provision shall not apply to routine maintenance of a PWSF or WCF, to the replacement of any portion of the PWSF or WCF with identical equipment, or to a change in ownership.
			Staff Comments	*The Wireless Permit Application submitted for this hearing, dated July 21, 2025, satisfies this requirement.*
☒	☐	☐		**B. Facility Upgrade: At the time of modification or upgrade of facilities, existing equipment shall be replaced with equipment of equal or greater technical capacity and reduced in size so as to reduce visual impact.**
			Staff Comments	*This standard will be met.*
☒	☐	☐		**C. Existing Uses: Any PWSF or WCF lawfully existing on the effective date hereof shall be allowed to continue operation as it presently exists, subject to section 17.08B.030.02 of this article. Routine maintenance and repair shall be permitted. However, any construction involving the replacement of support structure apparatus, antennas or any exterior alteration of the PWSF or WCF, or any component thereof, shall comply with all the requirements of this article. Emergency service PWSFs or WCFs may obtain a waiver from the commission in order to preserve the public health and safety. In order to receive a waiver, the commission must determine that the modifications cannot comply with this article without an extreme burden to the citizens of Hailey. The waiver shall be noticed by the commission under the public hearing notice requirements identified in subsection 17.08B.060.04D of this article. (Ord. 1191, 2015)**
			Staff Comments	*The proposed modifications require a new Wireless Permit Application and Building Permit Application, which is satisfied by the present application and permit process. A Building Permit will follow once the entitlement process is complete.*
☒	☐	☐	**17.08B.110**	**17.08B.110: Abandonment or Discontinuation of Use:** **A. Commencement Time Limit; Extensions: Construction or activation of a PWSF or WCF shall commence within ninety (90) days of approval of the wireless permit or the permit shall be null and void ab initio. Due to weather conditions or other extenuating circumstances beyond the control of the applicant, an additional ninety (90) day extension may be granted by the approving body as accepted by said approval body. Requests and approvals of extensions shall be made in writing and prior to the expiration of the time period sought to be extended.**
			Staff Comments	*The Applicant is hereby notified of this standard which has been made a Condition of Approval.*
☒	☐	☐		**B. Notification: At such time that a licensed carrier plans to abandon or discontinue operation of a PWSF or WCF, such carrier shall notify the city by certified U.S. mail of the proposed date of abandonment or discontinuation of operations. Such notice shall be given no less than thirty (30) days prior to abandonment or discontinuation of operations. In the event that a licensed carrier fails to give such notice,**

				the PWSF or WCF shall be considered abandoned upon such discontinuation of operations.
			Staff Comments	*The Applicant is hereby notified of this standard, which has been made a Condition of Approval.*
☒	☐	☐		**C. Physical Removal: Upon abandonment or discontinuation of use, the carrier shall physically remove the PWSF or WCF within ninety (90) days from the date of abandonment or discontinuation of use. "Physically remove" shall include, but not be limited to:** **1) Removal of antennas, support structures, equipment enclosures and security barriers from the subject property** **2) Proper disposal of the waste materials from the site in accordance with local and state solid waste disposal regulations** **3) Restoring the location of the PWSF or WCF to its natural condition, except that any landscaping and grading shall remain in the after condition. Minor modification for integration with other landscaping or site design will be permitted and approved by staff.**
			Staff Comments	*The Applicant is hereby notified of this standard, which has been made a Condition of Approval.*
☒	☐	☐		**D. Failure to Remove: If a carrier fails to remove a PWSF or WCF in accordance with this section, the city may cause the facility to be removed and the owner of the land where the facility is located shall pay all expenses of removal.**
			Staff Comments	*The Applicant is hereby notified of this standard, which has been made a Condition of Approval.*
☒	☐	☐		**E. Multiple Providers: In the event that more than one provider is using the PWSF or WCF, the PWSF or WCF shall not be considered abandoned until all such users cease using the structure as provided in this article. (Ord. 1191, 2015)**
			Staff Comments	*The Applicant is hereby notified of this standard, which has been made a Condition of Approval.*

17.06.060 Criteria.

A. The Commission or Hearing Examiner shall determine the following before approval is given:

1. **The project does not jeopardize the health, safety or welfare of the public.**
2. **The project conforms to the applicable specifications outlined in the Design Review Guidelines, as set forth herein, applicable requirements of the Zoning Title, and City Standards.**

B. Conditions. The Commission or Hearing Examiner may impose any condition deemed necessary. The Commission or Hearing Examiner may also condition approval of a project `with subsequent review and/or approval by the Administrator or Planning Staff. Conditions which may be attached include, but are not limited to those which will:

1. **Ensure compliance with applicable standards and guidelines.**
2. **Require conformity to approved plans and specifications.**
3. **Require security for compliance with the terms of the approval.**

4. **Minimize adverse impact on other development.**
5. **Control the sequence, timing and duration of development.**
6. **Assure that development and landscaping are maintained properly.**
7. **Require more restrictive standards than those generally found in the Zoning Title.**

C. Security. The applicant may, in lieu of actual construction of any required or approved improvement, provide to the City such security as may be acceptable to the City, in a form and in an amount equal to the cost of the engineering or design, materials and installation of the improvements not previously installed by the applicant, plus fifty percent (50%), which security shall fully secure and guarantee completion of the required improvements within a period of one (1) year from the date the security is provided.

1. **If any extension of the one-year period is granted by the City, each additional year, or portion of each additional year, shall require an additional twenty percent (20%) to be added to the amount of the original security initially provided.**
2. **In the event the improvements are not completely installed within one (1) year, or upon the expiration of any approved extension, the City may, but is not obligated, to apply the security to the completion of the improvements and complete construction of the improvements.**

The following Conditions are placed on approval of this Application:

a. All necessary permits (Building Permit, Wireless Permit, etc.) shall be obtained prior to the installation of any new equipment associated with this project.
b. The project shall meet all applicable Fire and Building Department requirements.
c. All existing and proposed equipment shall be painted a non-reflective grey color.
d. Lighting any part of the wireless facility is prohibited.
e. The existing and proposed portions of the facility shall not generate noise in excess of fifty (50) dBA at ground level at the base of the structure closest to the antenna. Verification that noise does not exceed this standard shall be submitted by a qualified acoustic engineer.
f. The existing facility and proposed modifications shall meet or exceed the current standards and regulations of the FCC and any other agency of the federal government with the authority to regulate antennas.
g. Antennas shall not exceed ten (10) feet in height from the roof surface.
h. The facility and all applicable structures shall be maintained in accordance with Section 17.08B.090: Maintenance Requirements, of the Hailey Municipal Code.
i. The owner of a tower shall ensure that it is maintained in compliance with standards contained in applicable city building codes and the applicable standards for towers that are published by the EIA, as amended from time to time.
j. Construction or activation of a PWSF or WCF shall commence within ninety (90) days of approval of the wireless permit, or the permit shall be null and void.
k. At such time that a licensed carrier plans to abandon or discontinue operation of a PWSF or WCF, such carrier shall notify the city by certified U.S. mail of the proposed date of abandonment or discontinuation of operations.
l. Upon abandonment or discontinuation of use, the carrier shall physically remove the PWSF or WCF within ninety (90) days from the date of abandonment or discontinuation of use.

m. If a carrier fails to remove a PWSF or WCF in accordance with this section, the city may cause the facility to be removed and the owner of the land where the facility is located shall pay all expenses of removal.
n. In the event that more than one provider is using the PWSF or WCF, the PWSF or WCF shall not be considered abandoned until all such users cease using the structure as provided in this article. (Ord. 1191, 2015)
o. The Applicant shall supply the City with the Airport's review of the proposed Verizon 5G- C-Band installation prior to the issuance of a Building Permit.

Motion Language

Approval: Motion to approve the Wireless Application submitted by Verizon Wireless, LLC, to upgrade the existing freestanding wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District, finding that the application meets each of the Criteria for Review, (a) through (c) cited in the Hailey Municipal Code, and that Conditions (a) through (o) will be met.

Denial: Motion to deny the Wireless Application submitted by Verizon Wireless LLC to upgrade the existing freestanding wireless tower, located at 1141 Airport Way, Unit 6 (Warehouse West Condos), within the Light Industrial (LI) Zoning District. finding that _____[the Commission should cite which standards are not met and provide the reason why each identified standard is not met].

Continuation: Motion to continue the public hearing to_____[the Commission should specify a date].

Radio 4490HP B5 B13 2023 Q2

- 4 common RF ports
- B5: 4x60W
- B13: 4x60W
- 480W total without fan (-40 to +55°C)

- L (≥5MHz), NR, ESS, NB-IoT (IB and GB)
- 2x 2.5/4.9/9.8/10.1/24.3 Gbps CPRI/eCPRI
  - Support for packet switched fronthaul
- Front area: 384mm x 444mm (15.1 x 17.5 inches)
- Depth: 172mm (6.8 inches) -> 29.3liter
- 31kg (68 lbs)

- Internal PIMC
  - Addressing IM3, IM5, in-branch, cross-branch and site-PIM
- -48 VDC 3-wire or 2-wire (single DC connector)
- Improved energy efficiency
- AISG TMA & RET support via RS-485 or RF connectors
- 2 external alarm
- Convectional cooling
- Optional fan for increased site flexibility
- IP 65, -40 to +55°C

Radio 4449 - B13& B5	Height	Width	Depth	Weigh t
wo protruding items	15 In (380 mm)	13.2 In (335 mm)	9.3 In (235 mm)	70 lbs (31.7 Kg)
w protruding items	18 In (455 mm)	13.2 In (335 mm)	9.4 In (240 mm)	

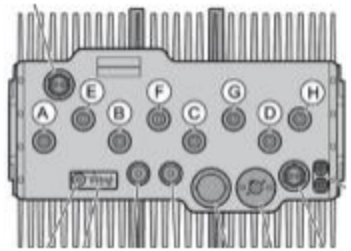
Radio 4890HP B2 B66 2023 Q3

- 8 ports, 4T8R per band
- B2: 4x60W
- B66: 4x60W
- Up to 480W in total without fan (-40 to +55°C)

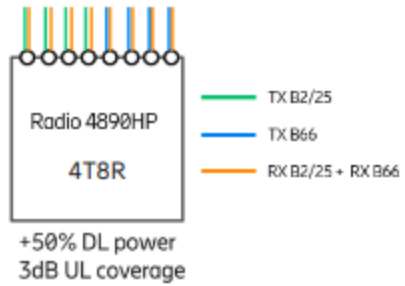
- L (≥5MHz), NR, ESS, NB-IoT (IB and GB)
- 2x 2.5/4.9/9.8/10.1/24.3 Gbps CPRI/eCPRI
  - Support for packet switched fronthaul
- Front area: 384mm x 444mm (15.1 x 17.5 inches)
- Depth: 176mm (7 inches) -> 30.0 liter (estimate)
  - Dual layer filter, one layer RX-only
- 31kg (68 lbs) (estimate)

- Internal PIMC
  - Addressing IM3, IM5, in-branch, cross-branch and site-PIM
- -48 VDC 3-wire or 2-wire (single DC-connector)
- Improved energy efficiency
- AISG TMA & RET support via RS-485 or RF connectors
- 2 external alarm
- Convectional cooling
- Optional fan for increased site flexibility
- IP 65, -40 to +55°C

Radio 8843 - B2 & B66A	Height	Width	Depth	Weight
wo protruding items	15 In (380 mm)	13.2 In (335 mm)	11.1 In (282 mm)	75 lbs (34.02 Kg)
w protruding items	18 In (455 mm)	13.2 In (335 mm)	11.3 In (287 mm)	



Radio 8843 RF-port definition



+50% DL power
3dB UL coverage

AIR 6419 B77D/ C-Band

Pending Commercial Agreements

- Advanced Antenna System (AAS)
- 64TX/64RX with 192 AE, (3x1)x(4x8) x-pol
- Up to 320W , PSD 4W/MHz
- EIRP up to 79 dBm
- Up to 200 MHz IBW
- Max total carrier BW: 200MHz for NR
- Support number of layers: DL/UL 16/8

AIR 6419 B77D/ C-Band	Height	Width	Depth	Weight
wo protruding items	28.3 In (717 mm)	16.1 In (408 mm)	7.25 In (184 mm)	64 lbs (28.6 Kg)
w protruding items	31.3 In (793 mm)	16.1 In (408 mm)	9.1 In (230 mm)	

The weight is given with ±5% accuracy.

- 3 x 25 Gbps eCPRI
- -48 VDC (3-wire or 2-wire), Fuse Minimum 40 A, maximum 50 A
- Power consumption with 100% Load @ 25C is 1200W
- - 40 to +55˚C

max measurements/ will not exceed

Product Data Sheet HB158-1-08U8-S8J18

HYBRIFLEX™ RRH Hybrid Feeder Cabling Solution, 1-5/8", Single-Mode Fiber

Product Description

RFS' HYBRIFLEX Remote Radio Head (RRH) hybrid feeder cabling solution combines optical fiber and DC power for RRHs in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRH deployments.

It was developed to reduce installation complexity and costs at Cellular sites. HYBRIFLEX allows mobile operators deploying an RRH architecture to standardize the RRH installation process and eliminate the need for and cost of cable grounding. HYBRIFLEX combines optical fiber (multi-mode or single-mode) and power in a single corrugated cable. It eliminates the need for junction boxes and can connect multiple RRHs with a single feeder. Standard RFS CELLFLEX® accessories can be used with HYBRIFLEX cable. Both pre-connectorized and on-site options are available.

Figure 1: HYBRIFLEX Series

Features/Benefits

- Aluminum corrugated armor with outstanding bending characteristics – **minimizes installation time and enables mechanical protection and shielding**
- Same accessories as 1 5/8" coaxial cable
- Outer conductor grounding – **Eliminates typical grounding requirements and saves on installation costs**
- Lightweight solution and compact design – **Decreases tower loading**
- Robust cabling – **Eliminates need for expensive cable trays and ducts**
- Installation of tight bundled fiber optic cable pairs directly to the RRH – **Reduces CAPEX and wind load by eliminating need for interconnection**
- Optical fiber and power cables housed in single corrugated cable – **Saves CAPEX by standardizing RRH cable installation and reducing installation requirements**
- Outdoor polyethylene jacket – **Ensures long-lasting cable protection**

Technical Specifications

Structure			
Outer Conductor Armor:	Corrugated Aluminum	[mm (in)]	46.5 (1.83)
Jacket:	Polyethylene, PE	[mm (in)]	50.3 (1.98)
UV-Protection:	Individual and External Jacket		Yes
Mechanical Properties			
Weight, Approximate		[kg/m (lb/ft)]	1.9 (1.30)
Minimum Bending Radius, Single Bending		[mm (in)]	200 (8)
Minimum Bending Radius, Repeated Bending		[mm (in)]	500 (20)
Recommended/Maximum Clamp Spacing		[m (ft)]	1.0 / 1.2 (3.25 / 4.0)
Electrical Properties			
DC-Resistance Outer Conductor Armor		[Ω/km (Ω/1000ft)]	068 (0.205)
DC-Resistance Power Cable, 8.4mm² (8AWG)		[Ω/km (Ω/1000ft)]	2.1 (0.307)
Fiber Optic Properties			
Version			Single-mode OM3
Quantity, Fiber Count			16 (8 pairs)
Core/Clad		[µm]	50/125
Primary Coating (Acrylate)		[µm]	245
Buffer Diameter, Nominal		[µm]	900
Secondary Protection, Jacket, Nominal		[mm (in)]	2.0 (0.08)
Minimum Bending Radius		[mm (in)]	104 (4.1)
Insertion Loss @ wavelength 850nm		dB/km	3.0
Insertion Loss @ wavelength 1310nm		dB/km	1.0
Standards (Meets or exceeds)			UL94-V0, UL1666 RoHS Compliant
DC Power Cable Properties			
Size (Power)		[mm² (AWG)]	8.4 (8)
Quantity, Wire Count (Power)			16 (8 pairs)
Size (Alarm)		[mm² (AWG)]	0.8 (18)
Quantity, Wire Count (Alarm)			4 (2 pairs)
Type			UV protected
Strands			19
Primary Jacket Diameter, Nominal		[mm (in)]	6.8 (0.27)
Standards (Meets or exceeds)			NFPA 130, ICEA S-95-658 UL Type XHHW-2, UL 44 UL-LS Limited Smoke, UL VW-1 IEEE-383 (1974), IEEE1202/FT4 RoHS Compliant
Environment			
Installation Temperature		[°C (°F)]	-40 to +65 (-40 to149)
Operation Temperature		[°C (°F)]	-40 to +65 (-40 to149)

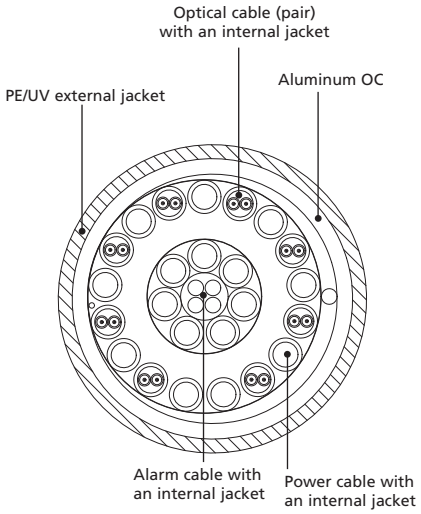
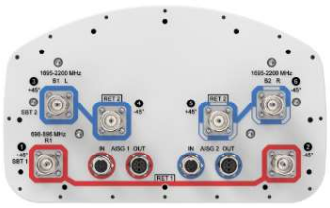


Figure 2: Construction Detail

* This data is provisional and subject to change.

NHH-65C-HG-R2B



6-port Next Generation High Gain sector antenna, 2x 698–896 and 4x 1695–2200 MHz, 65° HPBW, 2x RET

- Powered by CommScope's next generation high-efficiency SEED™ technology
- Antenna optimized for higher gain with improved radiation efficiency
- Designed to reduce SUB 1 alarm triggers with pattern consistency between low band and mid band
- Enhanced interference mitigation for improved SINR and throughput
- Interleaved dipole technology results into an attractive, low wind load mechanical package
- Internal SBTs allow remote RET control from the radio over the RF jumper cable

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, Low band	2
RF Connector Quantity, Mid band	4
RF Connector Quantity, Total	6

Remote Electrical Tilt (RET) Information

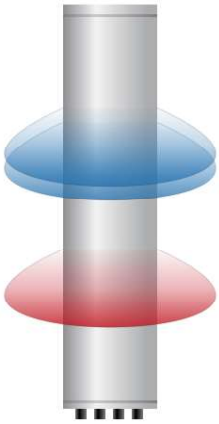
RET Hardware	CommRET v2
RET Interface	8-pin DIN Male | 8-pin DIN Female
Power Consumption, idle state, maximum	2 W
Power Consumption, active state, maximum	10 W
Input Voltage	10–30 Vdc
Protocol	3GPP/AISG 2.0 (Single RET)
Internal RET, Low band	1
Internal RET, Mid band	1
Internal Bias Tee	Port 1;Port 3
RET Interface, quantity	2 Male | 2 Female

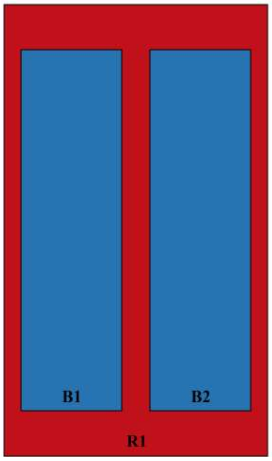
Antenna Dimensions and Weight

Length	2438 mm | 96.0 in
Width	301 mm | 11.9 in
Depth	180 mm | 7.1 in
Net Weight, without mounting kit	26 kg | 57.3 lb

NHH-65C-HG-R2B

Array Layout

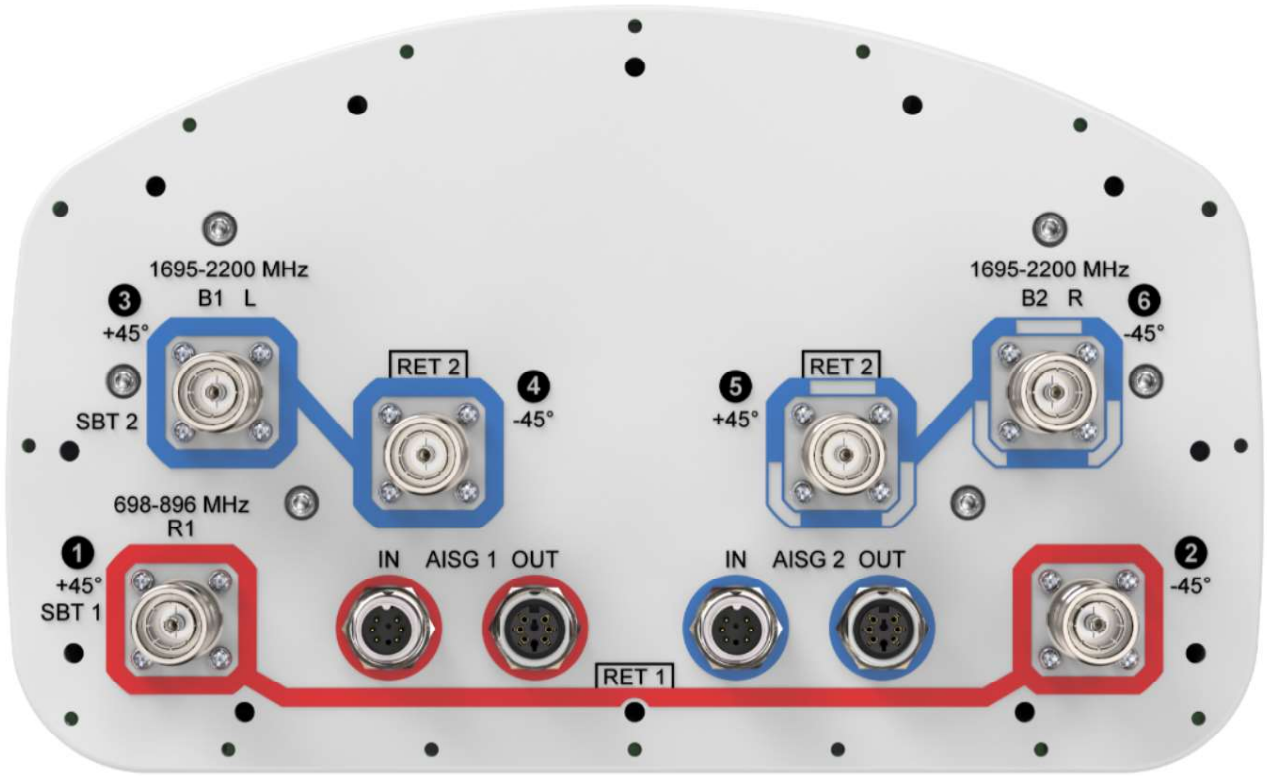




Array ID	Frequency (MHz)	RF Connector	RET (SRET)	AISG No.	SBT RF PORT	SBT No.	RET UID
R1	698-896	1 - 2	1	AISG1	1	1	CPxxxxxxxxxxxxxxR1
B1	1695-2200	3 - 4	2	AISG2	3	2	CPxxxxxxxxxxxxxxB1
B2	1695-2200	5 - 6					

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



NHH-65C-HG-R2B

Electrical Specifications

Operating Frequency Band	698 – 896 MHz | 1695 – 2200 MHz
Impedance, ohms	50 ohm
Polarization	±45°

Electrical Specifications

RF Ports	**1, 2**	**1, 2**	**3, 4, 5, 6**	**3, 4, 5, 6**	**3, 4, 5, 6**
Array	**R1**	**R1**	**B1, B2**	**B1, B2**	**B1, B2**
Frequency Sub-Range, MHz	**698-798**	**824-896**	**1695-1880**	**1850-1990**	**1920-2200**
Gain, Maximum, dBi	17.4	17.4	19.4	19.5	20.1
Gain, dBi	17	17.3	19.1	19.3	19.8
Beamwidth, Horizontal, degrees	65	60	66	65	63
Beamwidth, Vertical, degrees	8.7	7.7	5.2	4.9	4.7
USLS (First Lobe), dB	16	16	17	18	18
Beam Tilt, degrees	0-11	0-11	0-7	0-7	0-7
Front-to-Back Ratio at 180°, dB	30	31	37	35	37
CPR at Boresight, dB	17	14	17	18	19
Isolation, Cross-Polarization, dB	25	25	25	25	25
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
Input Power per port, Maximum (at elevated temp 50°C), Watt	300	300	250	250	250

Material Specifications

Radiator Material	Copper | Low loss circuit board
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum

Mechanical Specifications

Wind Loading @ Velocity, frontal	393 N @ 150 km/h (88.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	330 N @ 150 km/h (74.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	398 N @ 150 km/h (89.5 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	757 N @ 150 km/h (170.2 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h | 150 mph

Packaging and Weights

Net Weight	
Length, packed	2571 mm | 101.2 in
Width, packed	380 mm | 15.0 in
Depth, packed	295 mm | 11.6 in
Weight, gross	38.5 kg | 84.9 lb

NHH-65C-HG-R2B

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

BSAMNT-3 — Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

DATA SHEET

DC Surge Protection for RRH/Integrated Antenna Radio Head

RCMDC-6627-PF-48

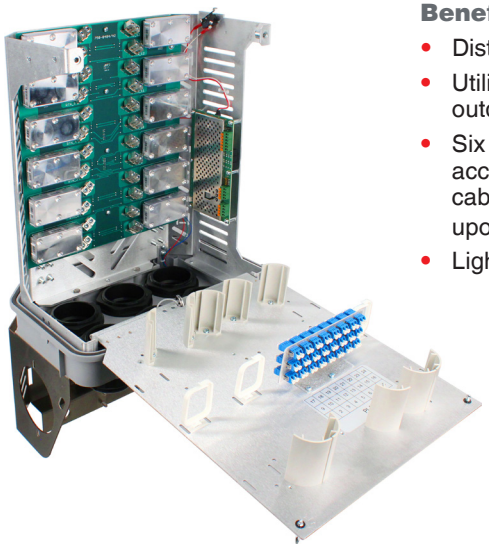
Tower / Base / Rooftop

Raycap's flexible Tower, Base Stations and Rooftop protection and Distribution products provide protection for up to 12 Remote Radio Heads/Integrated Antennas. The solutions mitigate the risk of damage due to lightning and provide high levels of availability and reliability to radio equipment.

Mounting Bracket Included

Features

- Designed for distribution to 12 RRH circuits, DC power and fiber optics.
- Alarms for moisture detection and intrusion
- Digital Voltmeter with twelve (12) position switch to monitor each DC circuit
- Power alarms for wiring anomalies and power disruptions
- Employs the Strikesorb® 30-V1-2CHV Surge Protective Device (SPD) specifically designed for the Remote Radio Head (RRH) installation environment and certified for use in DC applications and at low DC operating voltages (48V)
- The Strikesorb 30-V1-2CHV is a Class I SPD certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where direct lightning exposure is expected. Strikesorb 30-V1-2CHV is able to withstand direct lightning currents of up to 5kA (10/350) and induced surge currents of up to 60kA (8/20)
- Provides very low let through / clamping voltage - unique for a Class I product - as it does not employ spark gaps or other switching elements. Strikesorb offers unique protection levels to the RRH equipment as well as the Base Band Units
- RS485 communication link uses two (2) twisted pair (+ground) wires per hybrid cable, and communicates all voltage, boost system and alarm data
- Patent pending design



Benefits

- Distributes DC up to 12 Remote Radio Heads and connects up to 24 LC fiber pairs
- Utilizes an IP 67 rated enclosure, also rated to NEBS and UL, allowing for indoor or outdoor installation on a roof or tower top
- Six total cable ports for cable access with custom configurable UL rated glands that accommodate varying diameters of hybrid (combined power and fiber optic) or standard cables with diameters up to 2" (will fit most standard 1 5/8" coax class cables), depending upon port configuration
- Lightweight aerodynamic design provides maximum flexibility for tower top installation

Strikesorb 30-V1-2CHV

Raycap

www.raycap.com

SPECIFICATIONS

DC Surge Protection for RRH/Integrated Antenna Radio Head

RCMDC-6627-PF-48

Tower / Base / Rooftop

Electrical

Model Numbers	RCMDC-6627-PF-48
Nominal Operating Voltage	48 VDC
Nominal Discharge Current [I_n]	20 kA 8/20 µs
Maximum Surge Current [I_{max}]	60 kA 8/20 µs
Maximum Impulse (Lightning) Current per IEC 61643-11	5 kA 10/350 µs
Maximum Continuous Operating Voltage [U_c]	75 VDC
Voltage Protection Rating (VPR) per UL 1449 4th Edition	400V
Protection Class as per IEC 61643-11	Class I
Power Alarm	cross polarity, short circuit, or power outage
Intrusion Sensor	microswitch
Moisture Sensor	infrared moisture detector
Strikesorb Module Type	30-V1-2CHV Strikesorb modules installed to protect 12 Remote Radio Heads
Power Boost Ready	RS485 twisted pair connection available

Mechanical

Suppression Connection Method	Compression lug, #14 - #2 AWG (2 mm^2 - 33 mm^2)
Fiber Connection Method	LC-LC Single mode
Pressure Equalizing Vent	Gore™ Vent
Environmental Rating	IP 67
Operating Temperature	-40° C to +80° C
UV Resistant	Yes
Dimensions (L x W x H)	12.6" x 16.5" x 29.5" [319mm x 420mm 749mm]
Weight	System: 32 lbs (14.51 kg)
Combined Wind Loading	150mph (sustained): 185 lbs (823 N)

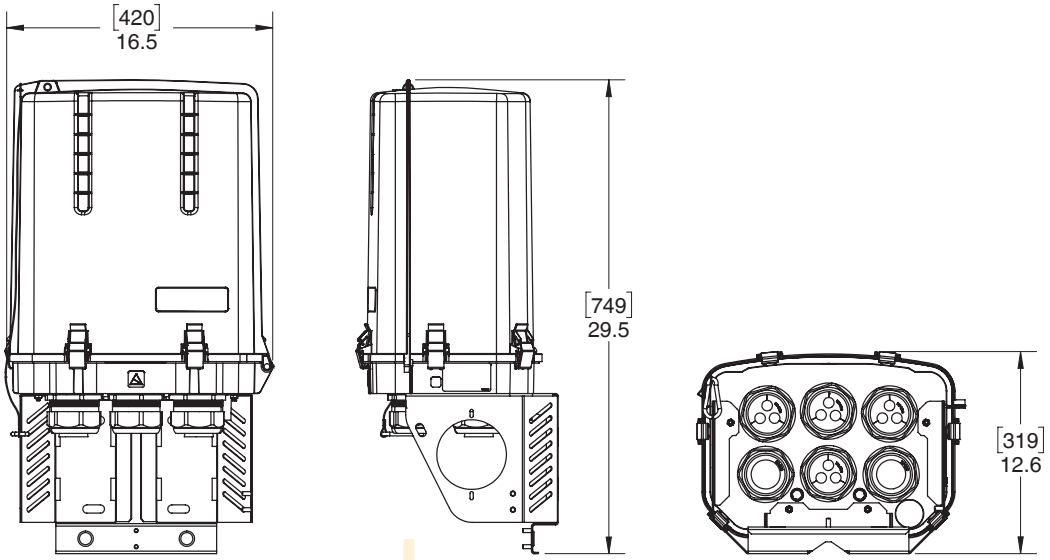
Standards Compliance

Strikesorb modules are compliant to the following Surge Protective Device (SPD) Standards

Standards	UL 1449 4th Edition, IEC 61643-11:2011, EN 61643-11:2012, IEEE C62.11, IEEE C62.41.2, IEEE C62.45 NEBS certified to: GR-63-CORE Issue 4, GR-1089-CORE Issue 6, GR-3108-CORE Issue 3, GR-487-CORE Issue 4, GR-950-CORE Issue 1

Product Diagram

[mm]
inches



AWG=American Wire Gauge

Raycap

June 3, 2025

Community Development
Planning and Zoning
115 Main Street
Hailey, ID 83333

RE: Community Development – PROJECT DESCRIPTION LETTER – 5000062841 / 14920018

To whom It May Concern,

Cellular carrier Verizon plans to upgrade their equipment to an existing structure located at**: Unit 6, 1141 Airport Way, Hailey, ID 83333-8771, RPH07080000000.** I am the agent representing the tower owner, American Tower Corporation (ATC) and the carrier, Verizon, hired to complete the zoning and permitting approvals to upgrade the equipment on this tower.

Verizon is proposing an upgrade to its tower equipment on an existing 100'-6" monopole, originally constructed on October 30, 1993, and permitted under Building Permit No. 93-199. The proposed upgrades will involve modifications to the existing equipment, but there will be no change to the height or overall appearance of the structure. The existing monopole has been designed to accommodate such upgrades, and its structural integrity is suitable for the additional equipment.

TOWER SCOPE OF WORK:

REMOVE: (8) Antennas, (4) Antenna Mount Pipes and (6) Radios.

INSTALL: (9) Antennas, (3) Antenna Dual Mounts, (6) Radios, (2) 1-5/8'' Hybrid Cables and (1) OVP.

GROUND SCOPE OF WORK:

INSTALL: (1) Ericsson 6651 BBU and (1) OVP.

The design and configuration of the proposed PWSF (Personal Wireless Service Facility) or WCF (Wireless Communications Facility) are carefully aligned with the existing structural capabilities of the monopole. The decision to maintain the current height and appearance ensures that the tower remains compliant with local zoning and aesthetic regulations. Additionally, the existing monopole design provides the necessary load-bearing capacity to support the upgraded equipment, minimizing any potential need for extensive structural modifications. This approach is both cost-effective and efficient while ensuring continued compliance with safety and technical requirements.

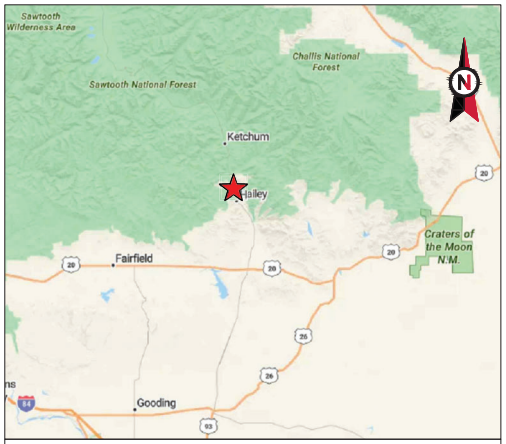
The proposed facility is located on an existing monopole tower, which complies with the guidelines under 17.08B.050.01B3. This approach minimizes the environmental and visual impact, as Verizon has chosen to upgrade an existing facility rather than constructing a new tower, which aligns with the intent of optimizing the use of current infrastructure and reducing the need for new development.

As specified in Section 8B.5.2 and outlined in 17.08B.060.02 (Master Development Plan), Verizon is in full compliance with the Co-location Requirements. The proposed PWSF or WCF will be collocated on an existing monopole tower, further adhering to the guidelines and codes set forth. This approach not only supports the goal of reducing visual clutter but also ensures that the facility adheres to local zoning regulations, fostering efficient use of existing infrastructure for wireless communication needs.

Please reach out to me at 217-909-2787 or rgeci@fullerton-us.com.

Thank you,

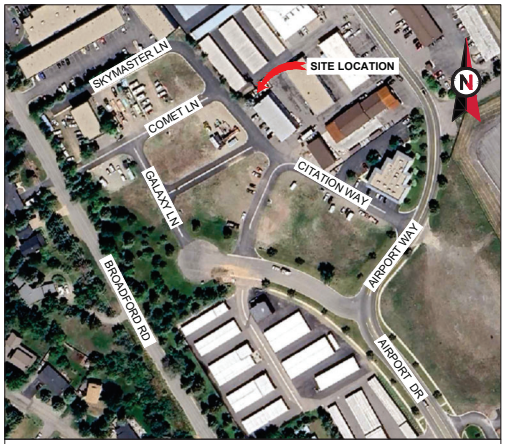
Riga Geci
Project Lead
Office Number: 217-909-2787
rgeci@fullerton-us.com



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: HAILEY ID
ATC SITE NUMBER: 82679
VERIZON SITE NAME: HAILEY
VERIZON SITE NUMBER: 5000062841
VERIZON FUZE PID: 16977167
SITE ADDRESS: UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771



LOCATION MAP

VERIZON AMENDMENT DRAWINGS

COMPLIANCE CODE

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

2018 IBC
NATIONAL ELECTRICAL CODE (NFPA 70, NEC 2017 W/ AMND)
2018 IDAHO MECHANICAL CODE (IMC 2018 W/ AMND)
2015 IDAHO PLUMBING CODE (UPC 2015)
2020 IDAHO ENERGY CONSERVATION CODE (IECC 2018 W/ AMND)
2018 IDAHO FIRE CODE (IFC 2018 W/ AMND)

IDAHO BUILDING CODE
2020 IDAHO RESIDENTIAL CODE (IRC 2018 W/ AMND)
2018 IDAHO FUEL GAS CODE (IFGC 2018 W/ AMND)

UTILITY COMPANIES

POWER COMPANY: VERIZON WIRELESS WEST
PHONE: 800-264-6620 (WEST)

TELEPHONE COMPANY:
PHONE:

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771
COUNTY: BLAINE

GEOGRAPHIC COORDINATES:

LATITUDE: 43.51
LONGITUDE: -114.30583333
GROUND ELEVATION: 5305' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ARCHITECT (COORDINATING PROFESSIONAL:

PETER LICHOMSKI, AIA
49030 PONTIAC TRAIL, SUITE 100,
WIXOM, MI 48393
PH: (248) 705-9212

PROPERTY OWNER:
IWG TLA TELECOM LLC
UNIT 6, 1141 AIRPORT WAY
HAILEY,ID 83333-8771

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

TOWER WORK:
REMOVED (8) ANTENNA(S), (4) ANTENNA MOUNT PIPE(S) AND (6) RRU(S)

INSTALL (9) ANTENNA(S), (3) ANTENNA DUAL MOUNT(S), (6) RRU(S), (2) 1-5/8" HYBRID CABLE(S) AND (1) OVP

EXISTING (3) DISH(S), (6) 7/8" COAX CABLE(S), (1) E185 ELLIPTICAL CABLE, (1) EW90 ELLIPTICAL CABLE AND (1) EW52 ELLIPTICAL CABLE TO REMAIN

GROUND WORK:

INSTALL (1) ERICSSON 6651 BBU AND (1) OVP

EXISTING (1) FIF RACK TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

FROM HWY 75/HWY 20 INTERSECTION, HEAD NORTH ON HWY 75 FOR 13.5 MILES. TURN LEFT ON AIRPORT WAY AND PROCEED 0.2 MILES TO THE MONOPOLE WHICH CAN BE SEEN.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	01/07/2025	RC
G-002	GENERAL NOTES	0	01/07/2025	RC
C-101	DETAILED SITE PLAN	0	01/07/2025	RC
C-102	DETAILED EQUIPMENT PLAN	0	01/07/2025	RC
C-201	TOWER ELEVATION	0	01/07/2025	RC
C-401	ANTENNA INFORMATION & SCHEDULE	0	01/07/2025	RC
C-501	CONSTRUCTION DETAILS	0	01/07/2025	RC
E-501	GROUNDING DETAILS	0	01/07/2025	RC
R-601	SUPPLEMENTAL	0	01/07/2025	RC
R-602	SUPPLEMENTAL			
	MOUNT ANALYSIS (100)			

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT: HTTPS://PMI.VZWSMART.COM

SMART TOOL VENDOR PROJECT NUMBER: 10236702

VZW LOCATION CODE (PSLC): 5000062841

***PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT REPLACEMENT REQUIRED: TBD

VZW APPROVED SMART KIT VENDORS: TBD

AMERICAN TOWER®

LAB
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DESCRIPTION	BY	DATE
A	PRELIM CD	RC	12/15/2024
0	FINAL CD	RC	01/07/2025

ATC SITE NUMBER:
82679
ATC SITE NAME:
HAILEY ID
VERIZON SITE NAME:
HAILEY
SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

SEAL:

LICENSED ARCHITECT
AR-986792
PETER LICHOMSKI
STATE OF IDAHO

CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL.

verizon

ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR X/T CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
   - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.
   - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
   - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
   - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
   - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
   - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

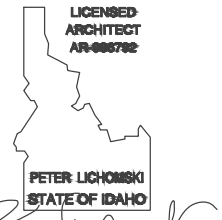
AMERICAN TOWER®

LAB
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DESCRIPTION	BY	DATE
A	PRELIM CD	RC	12/15/2024
0	FINAL CD	RC	01/07/2025

ATC SITE NUMBER:
82679
ATC SITE NAME:
HAILEY ID
VERIZON SITE NAME:
HAILEY
SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

SEAL:



CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL.

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ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

GENERAL NOTES

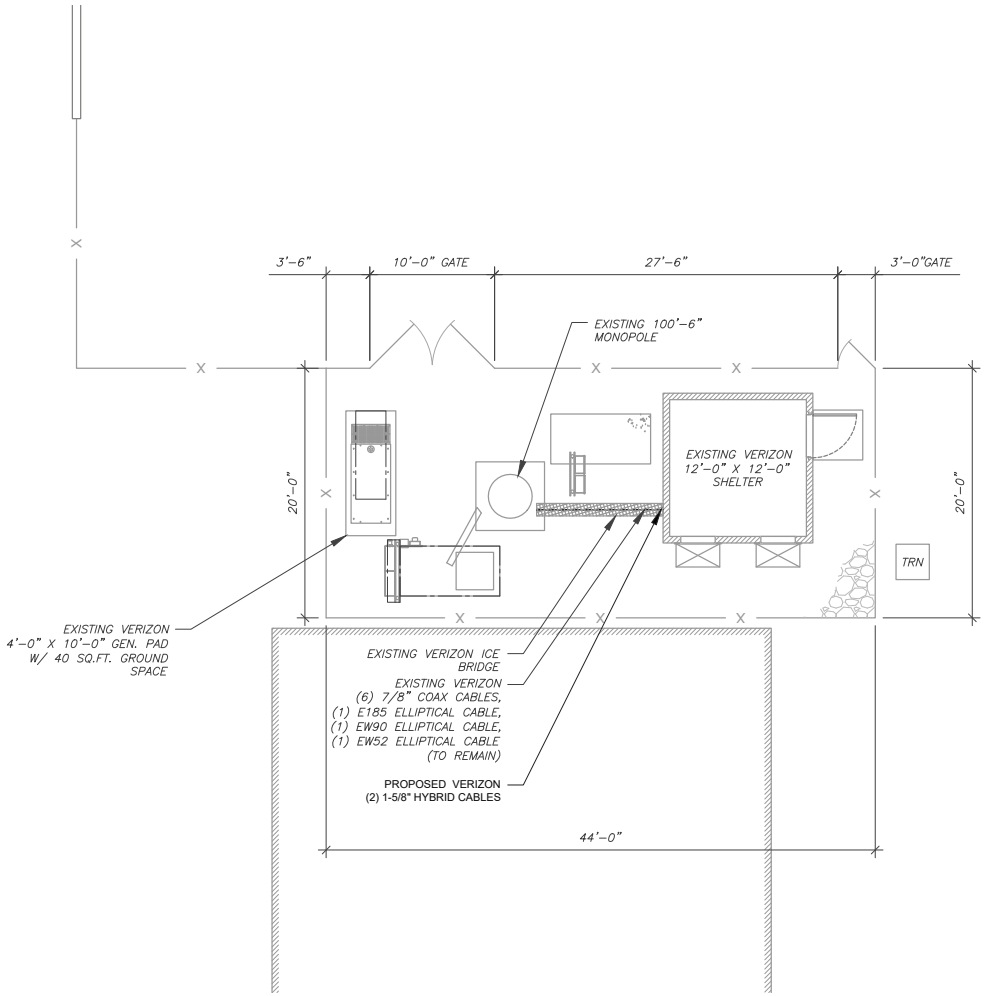
SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
———	CHAINLINK FENCE



1 DETAILED SITE PLAN

0 10' 20'

SCALE: 1"=10' (11X17)
1"=5' (22X34)

PROPOSED CABLE NOTES:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **135'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

AMERICAN TOWER®

LAB
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DESCRIPTION	BY	DATE
A	PRELIM CD	RC	12/15/2024
0	FINAL CD	RC	01/07/2025

ATC SITE NUMBER:
82679
ATC SITE NAME:
HAILEY ID
VERIZON SITE NAME:
HAILEY
SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

SEAL:

LICENSED ARCHITECT
AR-986792
PETER LICHOMSKI
STATE OF IDAHO

CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL.

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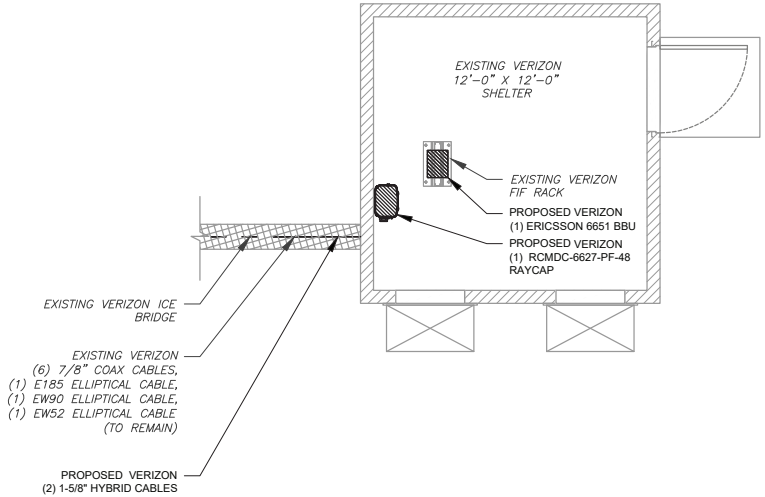
ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

DETAILED SITE PLAN

SHEET NUMBER: C-101
REVISION: 0



1 DETAILED EQUIPMENT PLAN

0 5' 10'

SCALE: 1"=5' (11X17)
1"=2.5' (22X34)

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0	FINAL CD	RC	01/07/2025

ATC SITE NUMBER:
82679

ATC SITE NAME:
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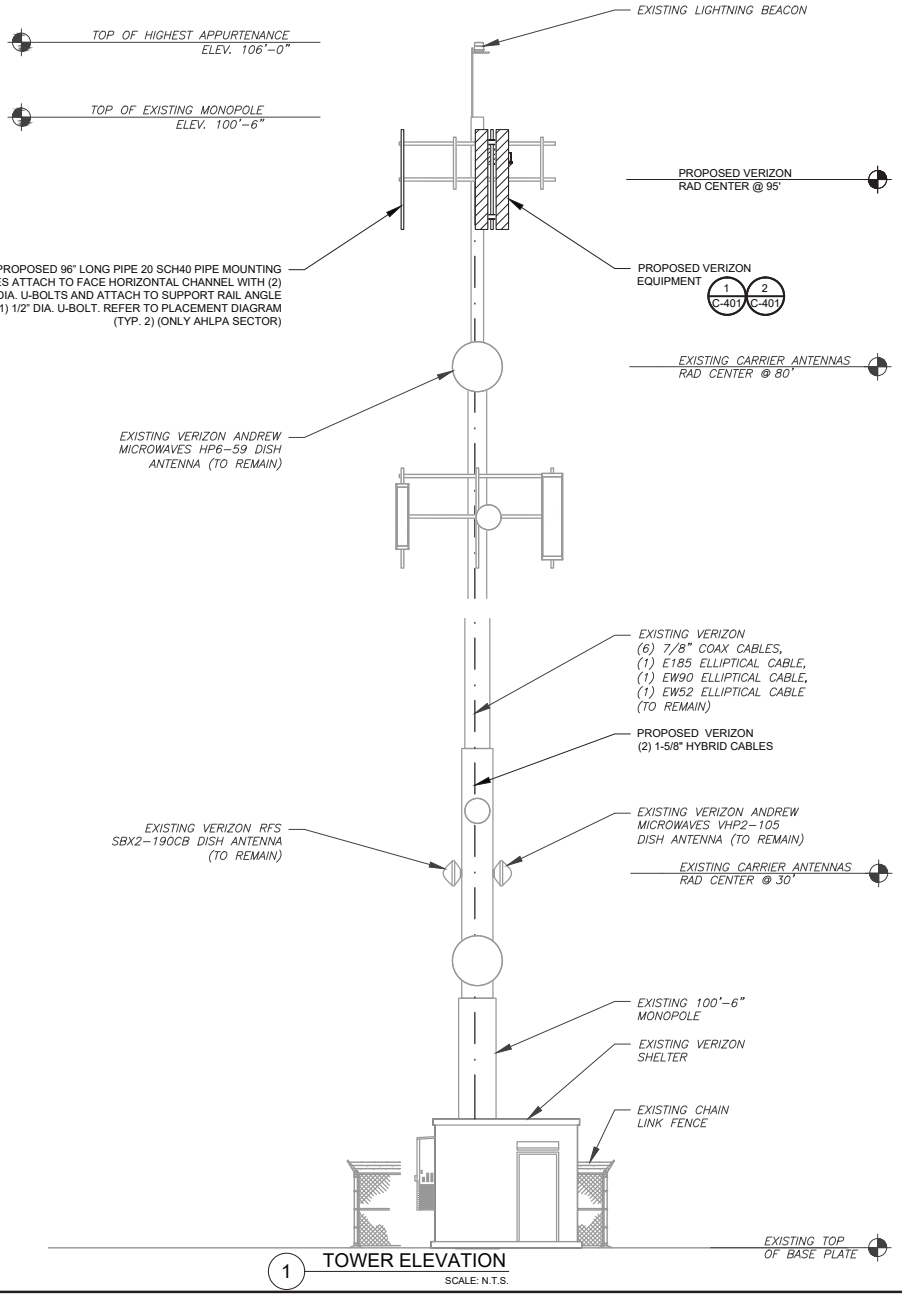
ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

DETAILED SHELTER PLAN

SHEET NUMBER: C-102

REVISION: 0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY NETWORK BUILDING + CONSULTING, LLC, DATED 09/09/2024, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

HYBRID CABLE INFO	
QUANTITY FROM COAX PORT	2
LENGTH FROM SHELTER SURGE PROTECTOR TO ENTRY PORT	12'-0" ±
LENGTH FROM ENTRY PANEL TO TOWER	10'-0"
LENGTH FROM T.O.C. TO TOWER SURGE PROTECTOR C/L	95' ±
TOTAL HYBRID CABLE LENGTH	117'-0" ±

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
5. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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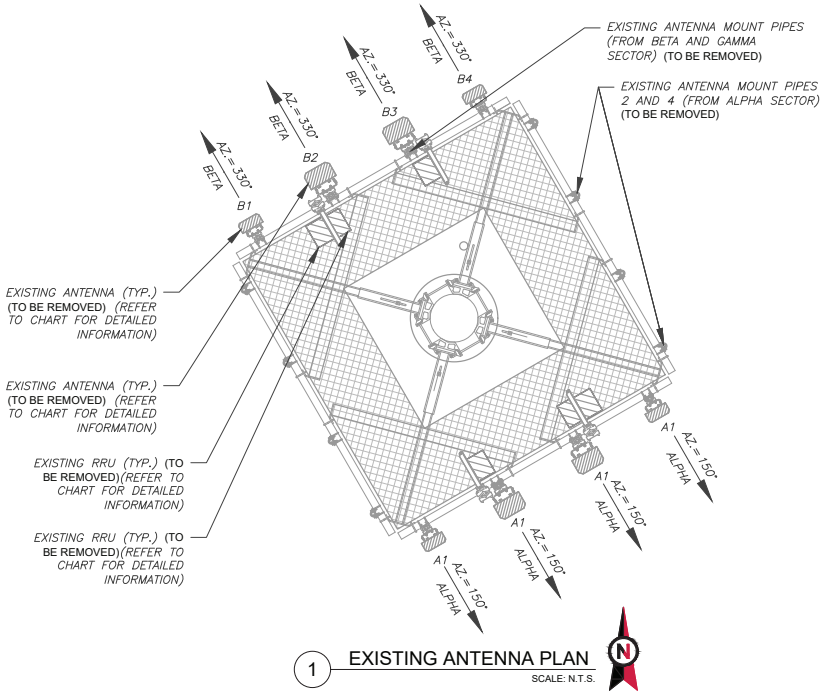
verizon

ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

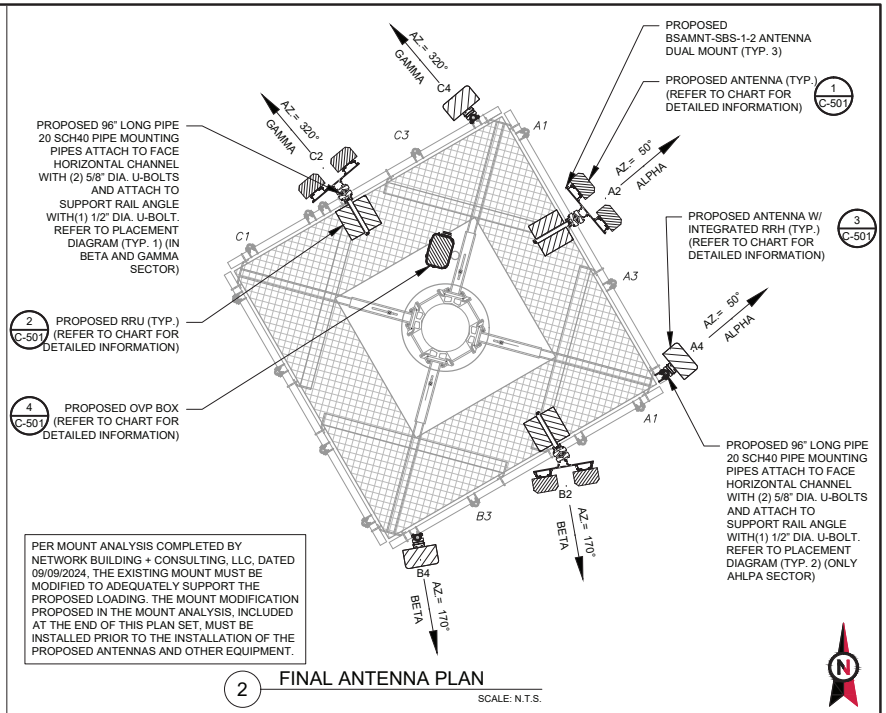
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER: C-201
REVISION: 0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.



PER MOUNT ANALYSIS COMPLETED BY NETWORK BUILDING + CONSULTING, LLC, DATED 09/09/2024, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY						NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	95'	150°	A1	BXA-80063/4CF	SPARE	-	RMV	-	-
		150°	A2	JAHH-65B-R3B	700 LTE/PCS LTE/AWS LTE	0/3,4	RMV	UHBA B13 RRH 4X30, UHIE B66A RRH 4X45	RMV
		150°	A3	JAHH-65B-R3B	700 LTE/PCS LTE/AWS LTE	0/2,3	RMV	UHBA B13 RRH 4X30	RMV
		150°	A4	BXA-80063/4CF	SPARE	-	RMV	-	-
BETA	95'	330°	B1	BXA-80063/4CF	SPARE	–	–	-	-
		330°	B2	JAHH-65B-R3B	700 LTE/PCS LTE/AWS LTE	0/3,4	RMV	UHBA B13 RRH 4X30, UHIE B66A RRH 4X45	RMV
		330°	B3	JAHH-65B-R3B	700 LTE/PCS LTE/AWS LTE	0/1,3	RMV	UHBA B13 RRH 4X30	RMV
		330°	B4	BXA-80063/4CF	SPARE	–	–	-	-
MW	80'	154°	–	HP6-59	-	-	-	-	-
MW	30'	241.833°	–	SBX2-190CB	-	-	-	-	-
MW	30'	240°	–	VHP2-105	-	-	-	-	-

NOTES

1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY						NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	95'	50°	A1	-	-	-	-	-	-
			A2	NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/4,4,4	ADD	RRU 4490	ADD
				NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/ 2,2	ADD	RRU 4890	ADD
			A3	-	-	-	-	-	-
			A4	AIR6419	5G	0/ 3	ADD	-	-
BETA	95'	170°	B1	-	-	-	-	-	-
			B2	NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/4,4,4	ADD	RRU 4490	ADD
				NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/ 2,2	ADD	RRU 4890	ADD
			B3	-	-	-	-	-	-
			B4	AIR6419	5G	0/ 3	ADD	-	-
GAMMA	95'	320°	C1	-	-	-	-	-	-
			C2	NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/4,4,4	ADD	RRU 4490	ADD
				NHH-65C-HG-R2B	LTE 700/LTE 850/LTE PCS/LTE AWS	0/ 2,2	ADD	RRU 4890	ADD
			C3	-	-	-	-	-	-
			C4	AIR6419	5G	0/ 3	ADD	-	-
MW	80'	154°	–	HP6-59	-	-	-	-	-
MW	30'	241.833°	–	SBX2-190CB	-	-	-	-	-
MW	30'	240°	–	VHP2-105	-	-	-	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
–	–	(6) 7/8" COAX CABLES, (1) E185 ELLIPTICAL CABLE, (1) EW90 ELLIPTICAL CABLE, (1) EW52 ELLIPTICAL CABLE	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
-	-	(6) 7/8" COAX CABLES, (1) E185 ELLIPTICAL CABLE, (1) EW90 ELLIPTICAL CABLE, (1) EW52 ELLIPTICAL CABLE	RMN
(1) RCMDC-6627-PF-48	ADD	(2) 1-5/8" HYBRID CABLES	ADD

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0	FINAL CD	RC	01/07/2025

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SITE ADDRESS:
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HAILEY, ID 83333-8771

SEAL:

LICENSED ARCHITECT
AR-986782
PETER LICHOMSKI
STATE OF IDAHO

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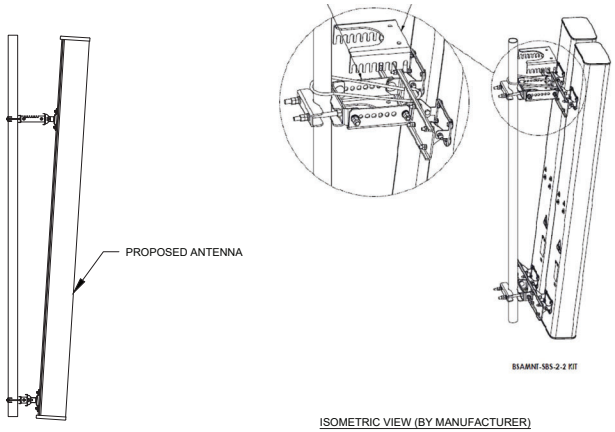
verizon

ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

ANTENNA INFORMATION & SCHEDULE

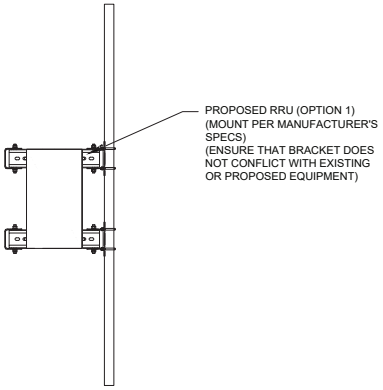
SHEET NUMBER:	REVISION:
C-401	0



ISOMETRIC VIEW (BY MANUFACTURER)

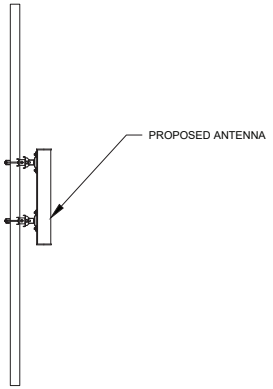
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: NOT TO SCALE



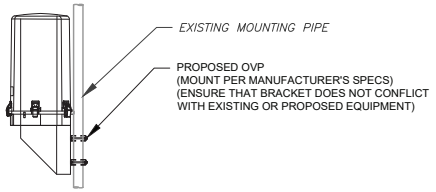
2 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



4 PROPOSED OVP MOUNTING

SCALE: N.T.S.

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LAB

49030 Pontiac Trail, Suite 100
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PHONE: (248) 705-9212

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A	PRELIM CD	RC	12/15/2024
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ATC SITE NUMBER:
82679

ATC SITE NAME:
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VERIZON SITE NAME:
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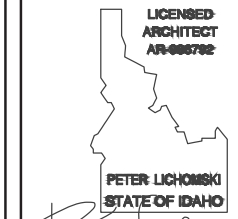
SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

SEAL:



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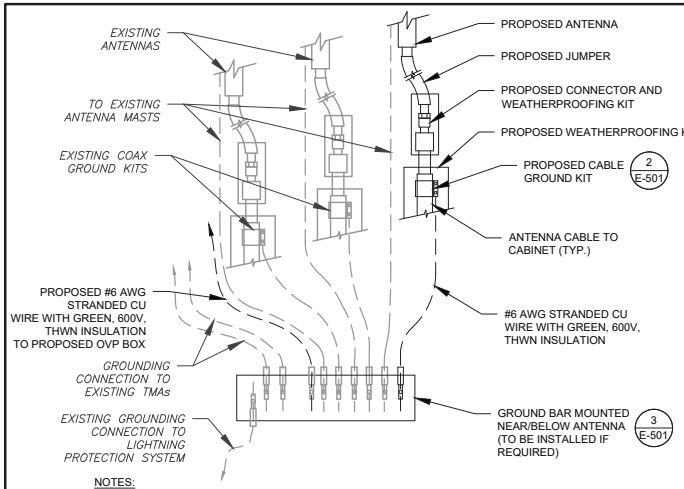
ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

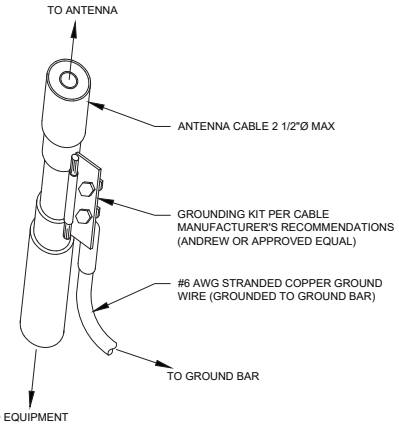


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

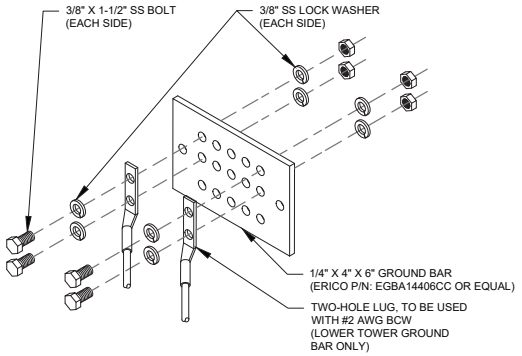


GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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VERIZON SITE NAME:
HAILEY

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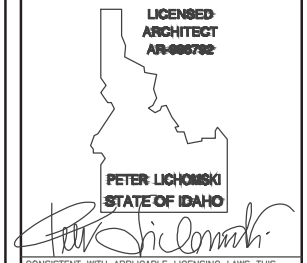
HAILEY, ID 83333-8771

SEAL:



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ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

Antenna Summary

Added Antenna

700	850	1900	AWS	L-Sub6	Make	Model	Centerl ine	Tip Height	Azimuth	Install Type	Quantity
				5G	Ericsson	AIR6419	95	96.2	50(A),170(B),32 0(C)	PHYSICAL	3
LTE	LTE	LTE	LTE		CommScope	NHH-65C-HG-R2B	95	99	50(A),170(B),32 0(C)	PHYSICAL	6

Removed Antenna

700	850	1900	AWS	L-Sub6	Make	Model	Centerl ine	Tip Height	Azimuth	Install Type	Quantity
					AMPHENOL	BXA-80063/4CF	95	97	150(),330()	SPARE	4
LTE		LTE	LTE		COMMSCOPE,ANDREW	JAHH-65B-R3B	95	98	330(1),150(2)	PHYSICAL	4

Retained Antenna

700	850	1900	AWS	L-Sub6	Make	Model	Centerl ine	Tip Height	Azimuth	Install Type	Quantity

Added: 9	Removed: 8	Retained: 0

Non Antenna Summary

Added Non Antenna

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity
OVP	Tower							12 OVP Box	PHYSICAL	1
OVP	Shelter							12 OVP Box	PHYSICAL	1
RRU	Tower	LTE	LTE				Ericsson	4490	PHYSICAL	3
RRU	Tower			LTE	LTE		Ericsson	4890	PHYSICAL	3
BBU	Shelter						Ericsson	6651	PHYSICAL	1
Hybrid Cable	Tower						N/A	6x12 Hybrid Cable	PHYSICAL	2
RRU	Tower					5G	Ericsson	AIR6419_B77D	PHYSICAL	0
Mount	Tower						Commscope	BASMNT-SBS-1-2	PHYSICAL	3

Removed Non Antenna

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity
RRU	Tower	LTE					Nokia	UHBA B13 RRH 4x30	PHYSICAL	2
RRU	Tower			LTE			Nokia	UHFA B25 RRH 4x30	PHYSICAL	2
RRU	Tower				LTE		Nokia	UHIE B66A RRH 4x45	PHYSICAL	2

Retained Non Antenna

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Install Type	Quantity

Added: 14	Removed: 6	Retained: 0

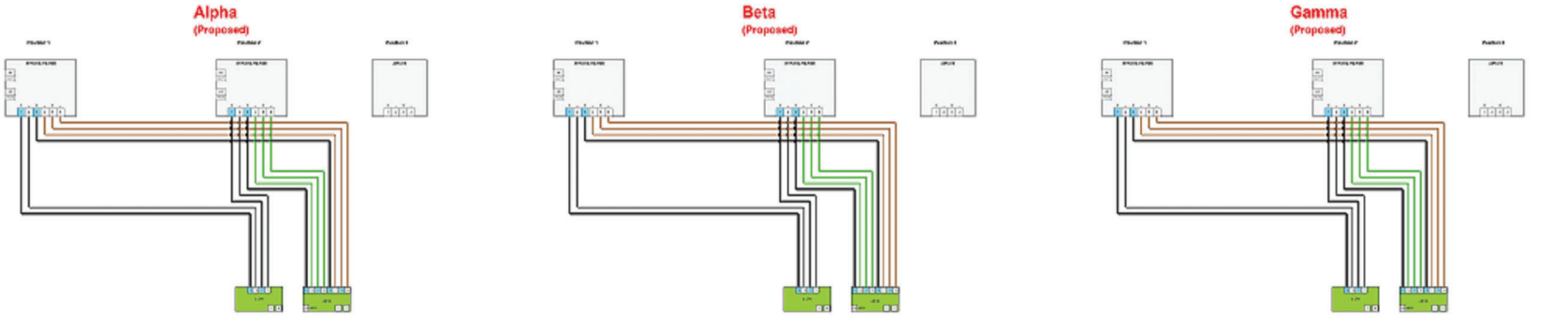
1 RFDS ANTENNA AND EQUIPMENT SUMMARY

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE VERIZON CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION: 0



1 RFDS PLUMBING DIAGRAM

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE VERIZON CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-602	0

Colliers Engineering & Design
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
stephanie.mulhern@collierseng.com

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Analysis

SMART Tool Project #: 10236702
Colliers Engineering & Design Project #: 24995351

September 9, 2024

Site Information	*Site ID:*	*5000062841-VZW / HAILEY*
	Site Name:	*HAILEY*
	Carrier Name:	*Verizon Wireless*
	Address:	*Unit 6 Airport Way* *Hailey, Idaho 83333* *Blaine County*
	Latitude:	*43.51000°*
	Longitude:	*-114.30583°*
Structure Information	*Tower Type:*	*100-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16977167

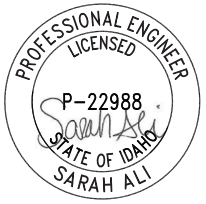
Analysis Results

Platform: **77.1% Pass w/ Hardware Upgrades***

*** Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Prasanna Dhakal



Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 377606, dated August 6, 2024*
Mount Mapping Report	*Iron Ring Mappings, Site ID: 82679, dated June 9, 2024*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	103 mph
	Ice Wind Speed (3-sec. Gust):	40 mph
	Design Ice Thickness:	0.25 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.825
Seismic Parameters:	S_S:	0.454 g
	S_1:	0.149 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V22)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
91.75	93.00	3	Ericsson	AIR6419	Added
		6	Commscope	NHH-65C-HG-R2B	
		1	Raycap	RxxDC-6627-PF-48	
		3	Ericsson	4490	
		3	Ericsson	4890	

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
RxxDC-3315-PF-48	6	OVP-6
RC3DC-3300-PF-48	6	OVP-6
DB-B1-6C-12AB-0Z	6	OVP-6
RxxDC-6627-PF-48	12	OVP-12
RCMDC-6627-PF-48	12	OVP-12
RVZDC-6627-PF-48	12	OVP-12
RRODC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*56.7%*	*Pass*
Middle Plate	*44.5%*	*Pass*
Corner Plate	*39.6%*	*Pass*
Crossmember	*66.1%*	*Pass*
Grating Plate	*3.4%*	*Pass*
Face Horizontal	*48.9%*	*Pass*
Support Rail	*77.1%*	*Pass*
Mount Pipe	*41.0%*	*Pass*
Support Rail Corner Plate	*13.9%*	*Pass*
Grating Angle	*13.1%*	*Pass*
Mount Connection	*55.6%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**77.1%***

***** Results valid after hardware upgrades noted in the PMI Requirements are installed.

Mount Connection Envelope Reactions:

Connection Description	Elev. AGL (Ft)	Node Label	Envelope Wind Reactions				Envelope Wind + Ice Reactions			
			Axial (Lbs)	Lateral (Lbs)	Moment (K-Ft)	Torsion (K-Ft)	Axial (Lbs)	Lateral (Lbs)	Moment (K-Ft)	Torsion (K-Ft)
Sector B Standoff	91.8	N247A	1612	3778	5.418	1.700	1727	3146	5.012	0.340
Sector C Standoff	91.8	N251A	1347	3723	4.339	0.706	1369	3107	3.679	0.132
Sector A Standoff	91.8	N249A	1674	3928	5.865	1.784	1833	3210	5.269	0.363
Sector D Standoff	91.8	N253A	1340	3809	4.357	0.635	1337	3153	3.576	0.124

Notes:
- Axial loads act along the axis of the tower
- Lateral reactions act perpendicular to the tower
- Moment loads introduce bending moment to the tower
- Torsion loads introduce twisting moment to the tower
- Batch solutions by individual load cases are included at the end of this document

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	71.2	71.2	87.0	87.0
0.5	84.4	84.4	106.9	106.9
1	97.2	97.2	126.3	126.3

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sectors.
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

1. Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

MDG #: 5000062841 SMART Project #: 10236702 Fuze Project ID: 16977167

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

1. Refer to document at the end of this form for special instructions. Contact EOR if special instructions are not available.

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an “equivalent” and this approval is included as part of the contractor submission.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Contractor to provide measurement from top of the highest equipment/steel to the bottom of the lowest equipment/steel by documenting it using the most appropriate illustration below along with supporting photos:

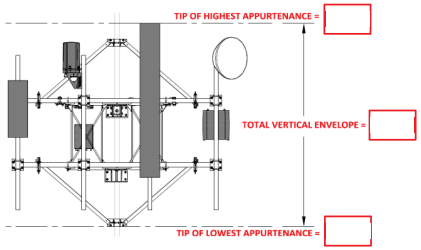


Illustration #1

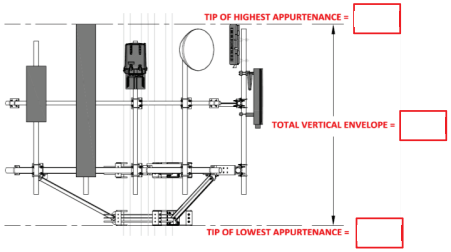


Illustration #2

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

MDG #: **5000062841**
Site Name: **HAILEY**
Fuze ID #: **16977167**
Colliers Engineering & Design Project #: **24995351**

PMI INSTRUCTIONS:

1. Contractor shall install a new 96" long PIPE 2 SCH40 mount pipe at position 2 in alpha sector. Install at 48" to the right from position 1 pipe. Top of pipe shall be 12" above to support rail angle. Attach to face horizontal channel with (2) 5/8" dia. U-bolts and attach to support rail angle with (1) 1/2" dia. U-bolt. Refer to placement diagram.

2. Contractor shall replace existing position 4 mount pipe with 96" long PIPE 20 SCH40 pipe in alpha sector. Install at 3" from end of face horizontal channel. Top of pipe shall be 12" above support rail angle. Attach to face horizontal channel with (2) 5/8" dia. U-bolts and attach to support rail angle with (1) 1/2" dia. U-bolt. Refer to placement diagram.

3. Contractor shall replace existing position 3 mount pipe with 96" long PIPE 20 SCH40 pipe in beta and gamma sectors. Install at 12" from position 2 pipe. Top of pipe shall be 12" above support rail angle. Attach to face horizontal channel with (2) 5/8" dia. U-bolts and attach to support rail angle with (1) 1/2" dia. U-bolt. Refer to placement diagram.

4. Contractor shall install proposed OVP on an existing OVP pipe.

5. Contractor shall install the proposed 4490 & 4890 units on new Rosenberger D215RRU/D218RRUDSM (or VZW Approved Equivalent) RRU mounting kits in the location shown in the placement diagrams.

Structure: 62 1-VZW - HAILEY

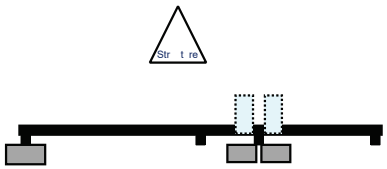
Se tor: **A** 9/5/2024

Str t re Type: Mo opole 10236702

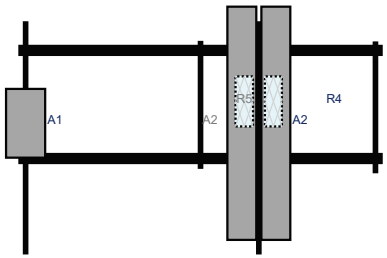
Mo t Elev: 91.75 P ge: 1

Colliers Engineering & Design

Plan View



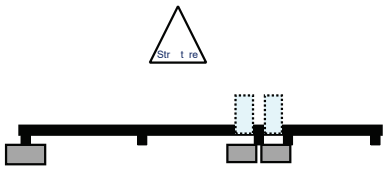
Front View - Loo i g t Str t re



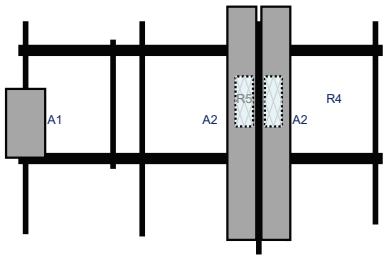
4 3 2 1

Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	NHH-65C-HG-R2B	96	11.9	99	2		Fro t	42	7	Added	
A2	NHH-65C-HG-R2B	96	11.9	99	2		Fro t	42	-7	Added	
R4	4490	20.6	7	99	2		Behi d	33	6	Added	
R5	4890.00	20.6	7.2	99	2		Behi d	33	-6	Added	
A1	AIR6419	28.3	16.1	3	4		Fro t	42	0	Added	
OVP1	RxxDC-6627-PF-48	29.5	16.5		Me er					Added	

Plan View



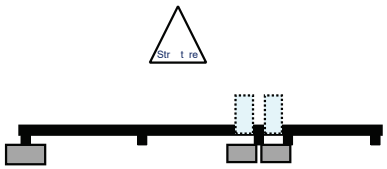
Front View - Loo i g t Str t re



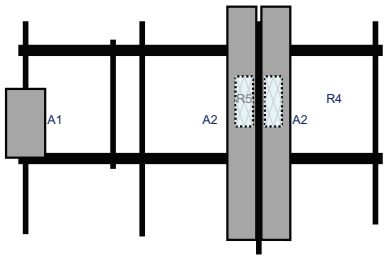
6 5 4 3 2 1

Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	NHH-65C-HG-R2B	96	11.9	99	3		Fro t	42	7	Added	
A2	NHH-65C-HG-R2B	96	11.9	99	3		Fro t	42	-7	Added	
R4	4490	20.6	7	99	3		Behi d	33	6	Added	
R5	4890.00	20.6	7.2	99	3		Behi d	33	-6	Added	
A1	AIR6419	28.3	16.1	3	6		Fro t	42	0	Added	

Plan View



Front View - Loo i g t Str t re



6 5 4 3 2 1

Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	NHH-65C-HG-R2B	96	11.9	99	3		Fro t	42	7	Added	
A2	NHH-65C-HG-R2B	96	11.9	99	3		Fro t	42	-7	Added	
R4	4490	20.6	7	99	3		Behi d	33	6	Added	
R5	4890.00	20.6	7.2	99	3		Behi d	33	-6	Added	
A1	AIR6419	28.3	16.1	3	6		Fro t	42	0	Added	


06/09/2024


06/09/2024

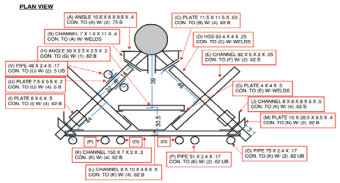
V4.1 Updated on 12-17-2021

Colliers Engineering & Design

Antenna Mount Mapping Form (PATENT PENDING)

FCC #: 1039691

Tower Owner:	AMERICAN TOWER	**Mapping Date:**	6/9/2024
Site Name:	HAILEY	**Tower Type:**	Monopole
Site Number or ID:	82679	**Tower Height (Ft.):**	100
Mapping Contractor:	Iron Ring Mappings	**Mount Elevation (Ft.):**	93



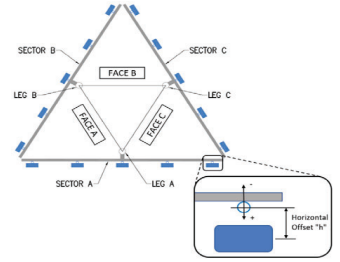
Mount Pipe Configuration and Geometries [Unit = Inches]

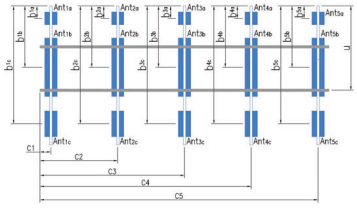
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "a"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "a"	Horizontal Offset "C1, C2, C3, etc."
A1	75 X 2.4 X .17	53.50	3.00	C1	75 X 2.4 X .17	53.50	3.00
A2	51 X 2.4 X .17	45.50	39.00	C2	51 X 2.4 X .17	45.50	39.00
A3	75 X 2.4 X .17	53.50	51.00	C3	75 X 2.4 X .17	53.50	51.00
A4	75 X 2.4 X .17	53.50	99.00	C4	75 X 2.4 X .17	53.50	99.00
A5	51 X 2.4 X .17	45.50	111.00	C5	51 X 2.4 X .17	45.50	111.00
A6	75 X 2.4 X .17	53.50	147.00	C6	75 X 2.4 X .17	53.50	147.00
B1	49 X 2.4 X .17	42.50	3.00	D1	49 X 2.4 X .17	42.50	3.00
B2	49 X 2.4 X .17	42.50	75.00	D2	49 X 2.4 X .17	42.50	75.00
B3	49 X 2.4 X .17	42.50	147.00	D3	49 X 2.4 X .17	42.50	147.00
B4				D4			
B5				D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	48

Please enter additional infomation or comments below.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	12.9



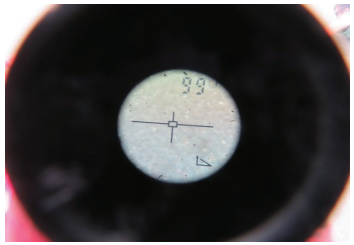


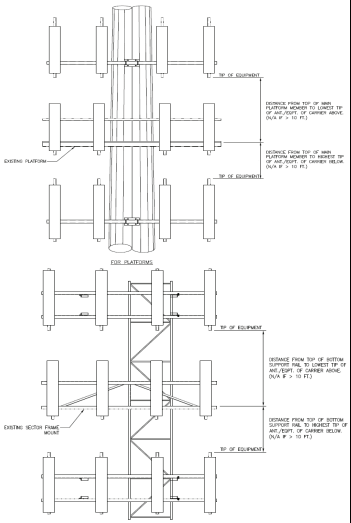
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	AMPHENOL 266410					93	22.00	10.00	320.00	427-438
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	ALCATEL B66ARRH4X45					93	7.00	-20.00	320.00	439-448
Ant_{2b}	ALCATEL B13RRH4X30					93	-3.00	-10.00	320.00	450-454
Ant_{2c}										
Ant_{3a}	COMMSCOPE JAH658R3B					93	-20.00	9.00	320.00	456-460
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	COMMSCOPE JAH658R3B					93	-20.00	9.00	320.00	461-480
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	ALCATEL B13RRH4X30					93	-3.00	-10.00	320.00	481-493
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RAYCAP RRODC3315PF48					97	0.00	7.00	320.00	510-520
Ant on Standoff	RAYCAP RRODC3315PF48					97	0.00	7.00	320.00	510-520
Ant on Tower	POS 6: AMPHENOL 266413					93	22.00	10.00	320.00	499-509
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	320.00	Deg	Leg A:		Deg
Sector B:	50.00	Deg	Leg B:		Deg
Sector C:	140.00	Deg	Leg C:		Deg
Sector D:	210.00	Deg	Leg D:		Deg

Climbing Facility Information		
Location:	Deg	Sector C
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.





Sector B											
Ant_{1a}											
Ant_{1b}											
Ant_{1c}											
Ant_{2a}											
Ant_{2b}											
Ant_{2c}											
Ant_{3a}											
Ant_{3b}											
Ant_{3c}											
Ant_{4a}											
Ant_{4b}											
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											
Sector C											
Ant_{1a}	AMPHENOL 266412						93	22.00	10.00	140.00	521-531
Ant_{1b}											
Ant_{1c}											
Ant_{2a}	ALCATEL B66ARRH4X45						93	7.00	-20.00	140.00	532-541
Ant_{2b}	ALCATEL B13RRH4X30						93	-3.00	-10.00	140.00	542-548
Ant_{2c}											
Ant_{3a}	COMMSCOPE JAH658R3B						93	16.00	10.00	140.00	549-558
Ant_{3b}											
Ant_{3c}											
Ant_{4a}	COMMSCOPE JAH658R3B						93	-16.00	10.00	140.00	559-570
Ant_{4b}											
Ant_{4c}											
Ant_{5a}	ALCATEL B13RRH4X30						93	8.00	7.00	140.00	571-580
Ant_{5b}											
Ant_{5c}											
Ant on Standoff	POS 6: AMPHENOL 266411						93	22.00	10.00	140.00	584-587
Ant on Standoff											
Ant on Tower											
Ant on Tower											
Sector D											
Ant_{1a}											
Ant_{1b}											
Ant_{1c}											
Ant_{2a}											
Ant_{2b}											
Ant_{2c}											
Ant_{3a}											
Ant_{3b}											
Ant_{3c}											
Ant_{4a}											
Ant_{4b}											
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

V4.1 Updated on 12-17-2021

SMART Tool© Vendor

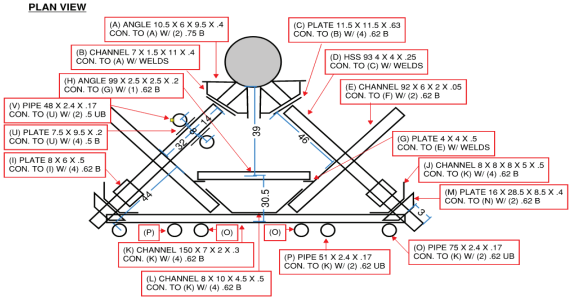
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1039691

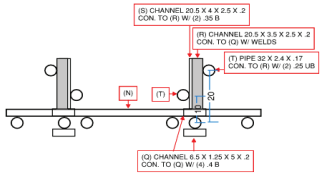
Tower Owner:	AMERICAN TOWER	**Mapping Date:**	6/9/2024
Site Name:	HAILEY	**Tower Type:**	Monopole
Site Number or ID:	82679	**Tower Height (Ft.):**	100
Mapping Contractor:	Iron Ring Mappings	**Mount Elevation (Ft.):**	93

Please Insert Sketches of the Antenna Mount

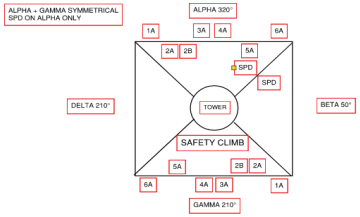
PLAN VIEW



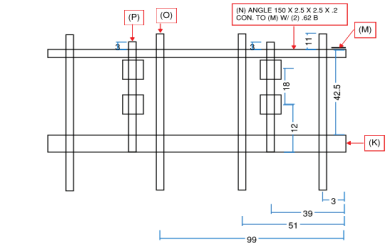
RADIO MOUNT



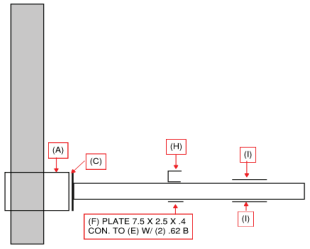
AZIMUTH



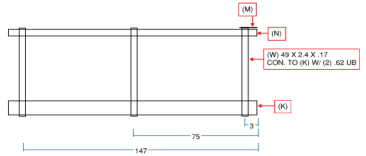
ELEVATION VIEW ALPHA GAMMA

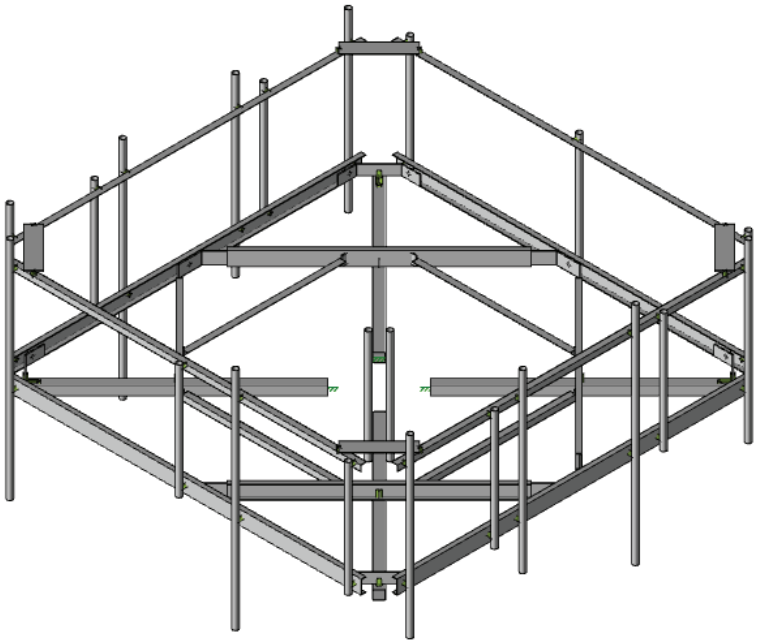


SIDE VIEW



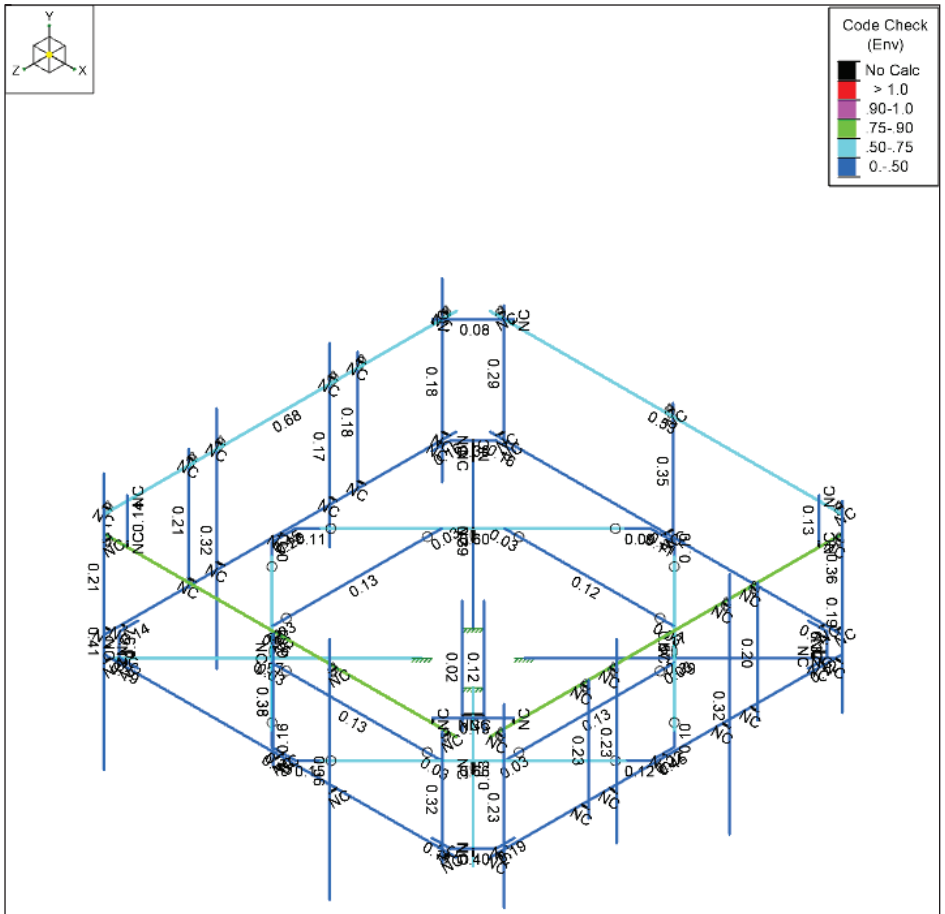
ELEVATION VIEW BETA DELTA





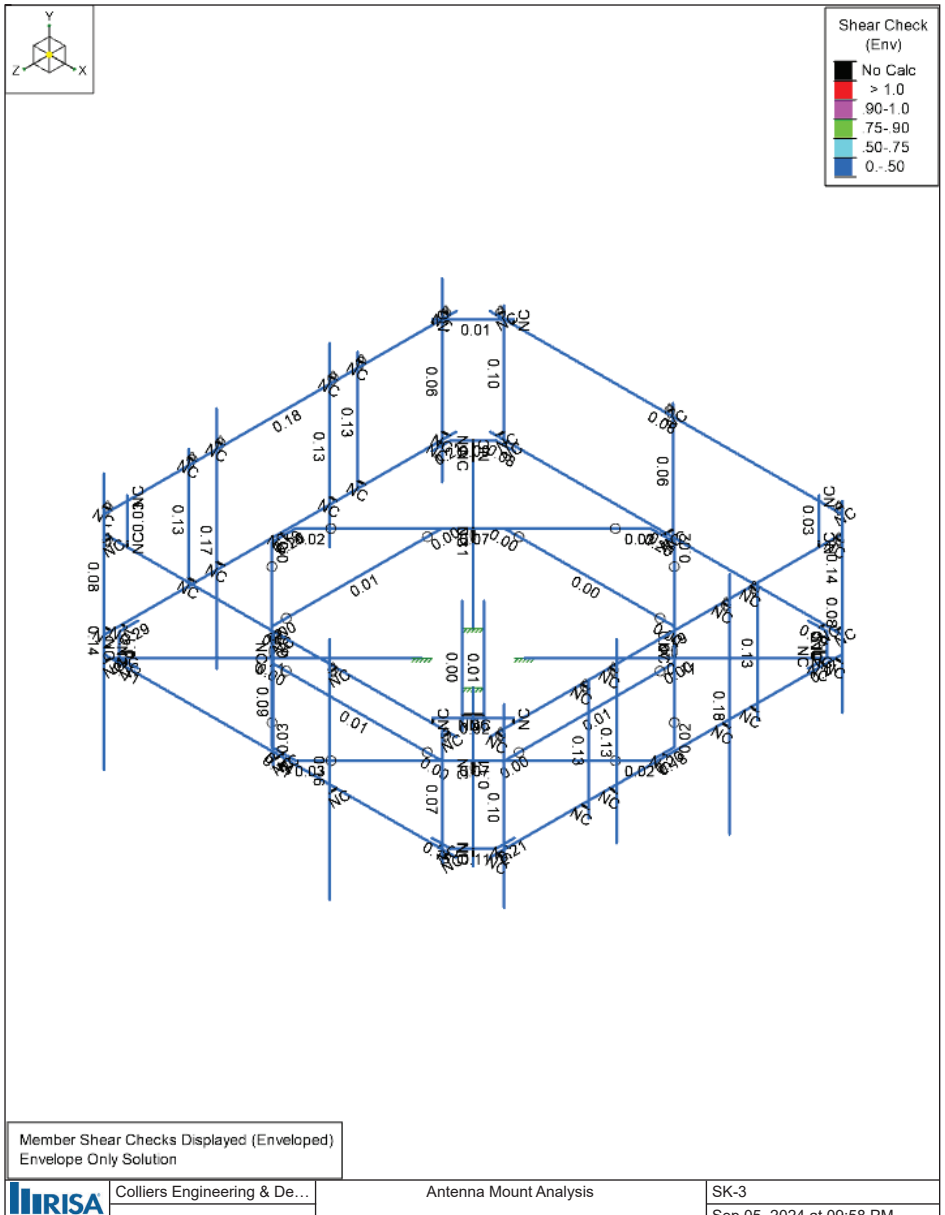
Envelope Only Solution

RISA	Colliers Engineering & De…	Antenna Mount Analysis	SK-1
			Sep 05, 2024 at 09:58 PM
	Project # 24995351		5000062841-VZW_MT_LO_…



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

IRISA	Colliers Engineering & De…	Antenna Mount Analysis	SK-2
			Sep 05, 2024 at 09:58 PM
	Project # 24995351		5000062841-VZW_MT_LO_…



IRISA	Colliers Engineering & De…	Antenna Mount Analysis	SK-3
			Sep 05, 2024 at 09:58 PM
	Project # 24995351		5000062841-VZW_MT_LO_…

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Point	Distributed	Area(Member)
1	Antenna D	None				75		
2	Antenna Di	None				75		
3	Antenna Wo (0 Deg)	None				75		
4	Antenna Wo (30 Deg)	None				75		
5	Antenna Wo (60 Deg)	None				75		
6	Antenna Wo (90 Deg)	None				75		
7	Antenna Wo (120 Deg)	None				75		
8	Antenna Wo (150 Deg)	None				75		
9	Antenna Wo (180 Deg)	None				75		
10	Antenna Wo (210 Deg)	None				75		
11	Antenna Wo (240 Deg)	None				75		
12	Antenna Wo (270 Deg)	None				75		
13	Antenna Wo (300 Deg)	None				75		
14	Antenna Wo (330 Deg)	None				75		
15	Antenna Wi (0 Deg)	None				75		
16	Antenna Wi (30 Deg)	None				75		
17	Antenna Wi (60 Deg)	None				75		
18	Antenna Wi (90 Deg)	None				75		
19	Antenna Wi (120 Deg)	None				75		
20	Antenna Wi (150 Deg)	None				75		
21	Antenna Wi (180 Deg)	None				75		
22	Antenna Wi (210 Deg)	None				75		
23	Antenna Wi (240 Deg)	None				75		
24	Antenna Wi (270 Deg)	None				75		
25	Antenna Wi (300 Deg)	None				75		
26	Antenna Wi (330 Deg)	None				75		
27	Antenna Wm (0 Deg)	None				75		
28	Antenna Wm (30 Deg)	None				75		
29	Antenna Wm (60 Deg)	None				75		
30	Antenna Wm (90 Deg)	None				75		
31	Antenna Wm (120 Deg)	None				75		
32	Antenna Wm (150 Deg)	None				75		
33	Antenna Wm (180 Deg)	None				75		
34	Antenna Wm (210 Deg)	None				75		
35	Antenna Wm (240 Deg)	None				75		
36	Antenna Wm (270 Deg)	None				75		
37	Antenna Wm (300 Deg)	None				75		
38	Antenna Wm (330 Deg)	None				75		
39	Structure D	None		-1				4
40	Structure Di	None					77	4
41	Structure Wo (0 Deg)	None					154	
42	Structure Wo (30 Deg)	None					154	
43	Structure Wo (60 Deg)	None					154	
44	Structure Wo (90 Deg)	None					154	
45	Structure Wo (120 Deg)	None					154	
46	Structure Wo (150 Deg)	None					154	
47	Structure Wo (180 Deg)	None					154	
48	Structure Wo (210 Deg)	None					154	
49	Structure Wo (240 Deg)	None					154	
50	Structure Wo (270 Deg)	None					154	
51	Structure Wo (300 Deg)	None					154	
52	Structure Wo (330 Deg)	None					154	
53	Structure Wi (0 Deg)	None					154	
54	Structure Wi (30 Deg)	None					154	
55	Structure Wi (60 Deg)	None					154	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Point	Distributed	Area(Member)
56	Structure Wi (90 Deg)	None					154	
57	Structure Wi (120 Deg)	None					154	
58	Structure Wi (150 Deg)	None					154	
59	Structure Wi (180 Deg)	None					154	
60	Structure Wi (210 Deg)	None					154	
61	Structure Wi (240 Deg)	None					154	
62	Structure Wi (270 Deg)	None					154	
63	Structure Wi (300 Deg)	None					154	
64	Structure Wi (330 Deg)	None					154	
65	Structure Wm (0 Deg)	None					154	
66	Structure Wm (30 Deg)	None					154	
67	Structure Wm (60 Deg)	None					154	
68	Structure Wm (90 Deg)	None					154	
69	Structure Wm (120 Deg)	None					154	
70	Structure Wm (150 Deg)	None					154	
71	Structure Wm (180 Deg)	None					154	
72	Structure Wm (210 Deg)	None					154	
73	Structure Wm (240 Deg)	None					154	
74	Structure Wm (270 Deg)	None					154	
75	Structure Wm (300 Deg)	None					154	
76	Structure Wm (330 Deg)	None					154	
77	Lm1	None				1		
78	Lm2	None				1		
79	Lv1	None				1		
80	Lv2	None				1		
81	Antenna Ev	None				75		
82	Antenna Eh (0 Deg)	None				50		
83	Antenna Eh (90 Deg)	None				50		
84	Structure Ev	ELY						4
85	Structure Eh (0 Deg)	ELZ			-0.03			4
86	Structure Eh (90 Deg)	ELX	0.03					4
87	BLC 39 Transient Area Loads	None					76	
88	BLC 40 Transient Area Loads	None					76	
89	BLC 84 Transient Area Loads	None						
90	BLC 85 Transient Area Loads	None					114	
91	BLC 86 Transient Area Loads	None					114	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1.2D+1.0Wo (0 Deg)	Yes	Y	1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (60 Deg)	Yes	Y	1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (90 Deg)	Yes	Y	1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (120 Deg)	Yes	Y	1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (150 Deg)	Yes	Y	1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (180 Deg)	Yes	Y	1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (210 Deg)	Yes	Y	1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (240 Deg)	Yes	Y	1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (270 Deg)	Yes	Y	1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (300 Deg)	Yes	Y	1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (330 Deg)	Yes	Y	1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1				

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1						
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1						
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5										
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5										
51	1.4D	Yes	Y	1	1.4	39	1.4												
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX	
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83	0.5	ELZ	0.866	ELX	0.5
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	0.866	ELZ	0.5	ELX	0.866
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX	
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX	
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	0.5	ELZ	0.866	ELX	0.5
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	0.866	ELZ	0.5	ELX	0.866
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX	
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	Standoff Horizontal	HSS4X4X3	Beam	None	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
2	Face Horizontal	C6X8.2	Beam	None	A36 Gr.36	Typical	2.39	0.687	13.1	0.074
3	Support Rail	L2.5X2.5X3	Beam	None	A36 Gr.36	Typical	0.901	0.535	0.535	0.011
4	Mount Pipe	PIPE_2.0	Column	HSS Pipe	A53 Gr.B	Typical	1.02	0.627	0.627	1.25
5	Middle Plate	PL1/2X5	Beam	RECT	A36 Gr.36	Typical	2.5	0.052	5.208	0.195
6	Corner Plate	PL1/2X4.25	Beam	None	A36 Gr.36	Typical	2.125	0.044	3.199	0.164
7	TES Corner Plate	PL1/2X5	Beam	RECT	A36 Gr.36	Typical	2.5	0.052	5.208	0.195
8	Crossmember	C6X8.2	Beam	None	A36 Gr.36	Typical	2.39	0.687	13.1	0.074
9	Grating Angle	L2.5X2.5X3	Beam	None	A36 Gr.36	Typical	0.901	0.535	0.535	0.011
10	Grating Plate	PL1/2X4	Beam	None	A36 Gr.36	Typical	2	0.042	2.667	0.154
11	Support Rail Corner Plate	PL3/8X6	Beam	None	A36 Gr.36	Typical	2.25	0.026	6.75	0.101

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e⁵°F⁻¹]	Density [k/ft³]	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	A500 Gr. C	29000	11154	0.3	0.65	0.527	46	1.5	62	1.2

Member Primary Data

	Label	I Node	J Node	K Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M141A	N252A	N253A			Standoff Horizontal	Beam	None	A500 Gr.B Rect	Typical
2	M138	N246A	N247A			Standoff Horizontal	Beam	None	A500 Gr.B Rect	Typical
3	M139	N248A	N249A			Standoff Horizontal	Beam	None	A500 Gr.B Rect	Typical
4	M140A	N251A	N250A			Standoff Horizontal	Beam	None	A500 Gr.B Rect	Typical
5	M158A	N271	N270			Middle Plate	Beam	RECT	A36 Gr.36	Typical
6	M159A	N270	N269A			Middle Plate	Beam	RECT	A36 Gr.36	Typical
7	M160A	N269A	N272			Middle Plate	Beam	RECT	A36 Gr.36	Typical
8	M152	N254B	N255B			RIGID	None	None	RIGID	Typical
9	M153	N257C	N256C			Corner Plate	Beam	None	A36 Gr.36	Typical
10	M45	N123	N272			Crossmember	Beam	None	A36 Gr.36	Typical
11	M43	N87A	N266A			Grating Plate	Beam	None	A36 Gr.36	Typical
12	M44	N86	N273A			Grating Plate	Beam	None	A36 Gr.36	Typical
13	M45A	N85	N88		45	RIGID	None	None	RIGID	Typical
14	M50	N127	N271			Crossmember	Beam	None	A36 Gr.36	Typical
15	M51	N103	N272A			Grating Plate	Beam	None	A36 Gr.36	Typical
16	M52	N102	N269D			Grating Plate	Beam	None	A36 Gr.36	Typical
17	M53	N101	N100		135	RIGID	None	None	RIGID	Typical
18	M54	N104A	N103A			Middle Plate	Beam	RECT	A36 Gr.36	Typical
19	M55	N103A	N102A			Middle Plate	Beam	RECT	A36 Gr.36	Typical
20	M56	N102A	N105A			Middle Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	K Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
21	M58	N124	N105A			Crossmember	Beam	None	A36 Gr.36	Typical
22	M59	N110	N270D			Grating Plate	Beam	None	A36 Gr.36	Typical
23	M60	N109	N267			Grating Plate	Beam	None	A36 Gr.36	Typical
24	M61	N108	N107		135	RIGID	None	None	RIGID	Typical
25	M66	N128	N104A			Crossmember	Beam	None	A36 Gr.36	Typical
26	M67	N117	N268B			Grating Plate	Beam	None	A36 Gr.36	Typical
27	M68	N116	N271B			Grating Plate	Beam	None	A36 Gr.36	Typical
28	M69	N115	N114		45	RIGID	None	None	RIGID	Typical
29	M70	N123	N122			Middle Plate	Beam	RECT	A36 Gr.36	Typical
30	M71	N122	N121			Middle Plate	Beam	RECT	A36 Gr.36	Typical
31	M72	N121	N124			Middle Plate	Beam	RECT	A36 Gr.36	Typical
32	M74	N127	N126			Middle Plate	Beam	RECT	A36 Gr.36	Typical
33	M75	N126	N125			Middle Plate	Beam	RECT	A36 Gr.36	Typical
34	M76	N125	N128			Middle Plate	Beam	RECT	A36 Gr.36	Typical
35	M77	N124A	N123A			RIGID	None	None	RIGID	Typical
36	FH	N205A	N206A		180	Face Horizontal	Beam	None	A36 Gr.36	Typical
37	M122	N208A	N207A		90	Support Rail	Beam	None	A36 Gr.36	Typical
38	MP1A	N214A	N215A			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
39	M130A	N224	N226			RIGID	None	None	RIGID	Typical
40	M131A	N225	N227			RIGID	None	None	RIGID	Typical
41	M157A	N233A	N234A			RIGID	None	None	RIGID	Typical
42	M158B	N236A	N235A			Corner Plate	Beam	None	A36 Gr.36	Typical
43	M159	N237A	N238A			RIGID	None	None	RIGID	Typical
44	M160	N240A	N239A			Corner Plate	Beam	None	A36 Gr.36	Typical
45	M161	N241A	N242A			RIGID	None	None	RIGID	Typical
46	M162	N244	N243			Corner Plate	Beam	None	A36 Gr.36	Typical
47	M163	N245	N246			RIGID	None	None	RIGID	Typical
48	M164	N248	N247			Corner Plate	Beam	None	A36 Gr.36	Typical
49	M165	N249	N250			RIGID	None	None	RIGID	Typical
50	M166	N252	N251			Corner Plate	Beam	None	A36 Gr.36	Typical
51	M167	N253	N254			RIGID	None	None	RIGID	Typical
52	M168	N256	N255			Corner Plate	Beam	None	A36 Gr.36	Typical
53	M169	N257	N258			RIGID	None	None	RIGID	Typical
54	M170	N260	N259			Corner Plate	Beam	None	A36 Gr.36	Typical
55	M175	N244	N257C			Corner Plate	Beam	None	A36 Gr.36	Typical
56	M142A	N257A	N129			RIGID	None	None	RIGID	Typical
57	M143A	N252	N240A			Corner Plate	Beam	None	A36 Gr.36	Typical
58	M144	N261A	N130			RIGID	None	None	RIGID	Typical
59	M145	N260	N248			Corner Plate	Beam	None	A36 Gr.36	Typical
60	M146	N265B	N118			RIGID	None	None	RIGID	Typical
61	M147	N236A	N256			Corner Plate	Beam	None	A36 Gr.36	Typical
62	M148	N269C	N119			RIGID	None	None	RIGID	Typical
63	M151A	N156	N213A		90	Support Rail Corner Plate	Beam	None	A36 Gr.36	Typical
64	M154	N266A	N270D		180	Grating Angle	Beam	None	A36 Gr.36	Typical
65	M155	N267	N271B		180	Grating Angle	Beam	None	A36 Gr.36	Typical
66	M156	N268B	N272A		180	Grating Angle	Beam	None	A36 Gr.36	Typical
67	M157	N269D	N273A		180	Grating Angle	Beam	None	A36 Gr.36	Typical
68	M132A	N268A	N231B			RIGID	None	None	RIGID	Typical
69	M133B	N120	N233B			RIGID	None	None	RIGID	Typical
70	M134	N101A	N235B			RIGID	None	None	RIGID	Typical
71	M128A	N235C	N213A	N1	330	RIGID	None	None	RIGID	Typical
72	M78	N131	N132			RIGID	None	None	RIGID	Typical
73	M79	N131	N129			RIGID	None	None	RIGID	Typical
74	M80	N133	N134			RIGID	None	None	RIGID	Typical
75	M81	N133	N130			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	K Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
76	M82	N135	N136			RIGID	None	None	RIGID	Typical
77	M83	N135	N118			RIGID	None	None	RIGID	Typical
78	M84	N137	N138			RIGID	None	None	RIGID	Typical
79	M85	N137	N119			RIGID	None	None	RIGID	Typical
80	M86	N139	N140		180	Face Horizontal	Beam	None	A36 Gr.36	Typical
81	M87	N141	N142		180	Face Horizontal	Beam	None	A36 Gr.36	Typical
82	M88	N143	N144		180	Face Horizontal	Beam	None	A36 Gr.36	Typical
83	M89	N145	N146		90	Support Rail	Beam	None	A36 Gr.36	Typical
84	M90	N147	N148		90	Support Rail	Beam	None	A36 Gr.36	Typical
85	M91	N149	N150		90	Support Rail	Beam	None	A36 Gr.36	Typical
86	M92	N152	N151	N1	330	RIGID	None	None	RIGID	Typical
87	M93	N155	N154	N1	330	RIGID	None	None	RIGID	Typical
88	M94	N153	N156	N1	330	RIGID	None	None	RIGID	Typical
89	M95	N159	N158	N1	330	RIGID	None	None	RIGID	Typical
90	M96	N157	N160	N1	330	RIGID	None	None	RIGID	Typical
91	M97	N163	N162	N1	330	RIGID	None	None	RIGID	Typical
92	M98	N161	N164	N1	330	RIGID	None	None	RIGID	Typical
93	M99	N160	N154		90	Support Rail Corner Plate	Beam	None	A36 Gr.36	Typical
94	M100	N164	N158		90	Support Rail Corner Plate	Beam	None	A36 Gr.36	Typical
95	M101	N151	N162		90	Support Rail Corner Plate	Beam	None	A36 Gr.36	Typical
96	MP2A	N165	N166			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
97	M103	N167	N169			RIGID	None	None	RIGID	Typical
98	M104	N168	N170			RIGID	None	None	RIGID	Typical
99	MP4A	N177	N178			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
100	M109	N179	N181			RIGID	None	None	RIGID	Typical
101	M110	N180	N182			RIGID	None	None	RIGID	Typical
102	MP3A	N183	N184			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
103	M112	N123A	N187			RIGID	None	None	RIGID	Typical
104	M113	N186	N188			RIGID	None	None	RIGID	Typical
105	M105	N185	N190			RIGID	None	None	RIGID	Typical
106	M106	N171	N172			RIGID	None	None	RIGID	Typical
107	M107	N173	N174			RIGID	None	None	RIGID	Typical
108	M114	N189	N191			RIGID	None	None	RIGID	Typical
109	MP3B	N176	N175			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
110	MP1B	N192	N193			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
111	M117	N194	N195			RIGID	None	None	RIGID	Typical
112	M118	N196	N197			RIGID	None	None	RIGID	Typical
113	MP2B	N198	N199			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
114	M120	N202	N204			RIGID	None	None	RIGID	Typical
115	M121	N203	N205			RIGID	None	None	RIGID	Typical
116	MP4B	N201	N200			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
117	M124	N206	N207			RIGID	None	None	RIGID	Typical
118	M125	N208	N209			RIGID	None	None	RIGID	Typical
119	M126	N210	N211			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
120	M127	N214	N216			RIGID	None	None	RIGID	Typical
121	M128	N215	N217			RIGID	None	None	RIGID	Typical
122	MP5B	N213	N212			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
123	M130	N219	N220			RIGID	None	None	RIGID	Typical
124	M131	N221	N222			RIGID	None	None	RIGID	Typical
125	M132	N228	N230			RIGID	None	None	RIGID	Typical
126	M133	N229	N231			RIGID	None	None	RIGID	Typical
127	M135	N233B	N233			RIGID	None	None	RIGID	Typical
128	M136	N232	N234			RIGID	None	None	RIGID	Typical
129	M137	N223	N235			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
130	M140	N236	N237			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	K Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
131	M141	N238	N218			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
132	MP5C	N295	N294			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
133	M143	N291	N292			RIGID	None	None	RIGID	Typical
134	MP4C	N282	N286			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
135	M150	N241	N240			RIGID	None	None	RIGID	Typical
136	M151	N268	N278			RIGID	None	None	RIGID	Typical
137	M158	N266	N273			RIGID	None	None	RIGID	Typical
138	M171	N274	N275			RIGID	None	None	RIGID	Typical
139	M172	N277	N279			RIGID	None	None	RIGID	Typical
140	MP3C	N263	N276			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
141	MP1C	N280	N281			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
142	M176	N283	N284			RIGID	None	None	RIGID	Typical
143	M177	N242	N285			RIGID	None	None	RIGID	Typical
144	M178	N287	N288			RIGID	None	None	RIGID	Typical
145	M179	N264	N289			RIGID	None	None	RIGID	Typical
146	MP2C	N262	N290			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
147	M181	N293	N239			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
148	M182	N296	N265			RIGID	None	None	RIGID	Typical
149	M183	N261	N297			RIGID	None	None	RIGID	Typical
150	M173	N298	N299			RIGID	None	None	RIGID	Typical
151	M174	N298	N300			RIGID	None	None	RIGID	Typical
152	OVP2	N303	N301			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical
153	OVP1	N304	N302			Mount Pipe	Column	HSS Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
1	M141A				Yes	Default	None
2	M138				Yes	Default	None
3	M139				Yes	Default	None
4	M140A				Yes	Default	None
5	M158A				Yes	N/A	None
6	M159A				Yes	N/A	None
7	M160A				Yes	N/A	None
8	M152				Yes	** NA **	None
9	M153				Yes	Default	None
10	M45	OOOOXO	OOOOXO		Yes	Default	None
11	M43				Yes	Default	None
12	M44				Yes	N/A	None
13	M45A	OOOXOO			Yes	** NA **	None
14	M50	OOOOXO	OOOOXO		Yes	Default	None
15	M51				Yes	N/A	None
16	M52				Yes	N/A	None
17	M53	OOOXOO			Yes	** NA **	None
18	M54				Yes	N/A	None
19	M55				Yes	N/A	None
20	M56				Yes	N/A	None
21	M58	OOOOXO	OOOOXO		Yes	Default	None
22	M59				Yes	N/A	None
23	M60				Yes	N/A	None
24	M61	OOOXOO			Yes	** NA **	None
25	M66	OOOOXO	OOOOXO		Yes	Default	None
26	M67				Yes	N/A	None
27	M68				Yes	N/A	None
28	M69	OOOXOO			Yes	** NA **	None
29	M70				Yes	N/A	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
30	M71				Yes	N/A	None
31	M72				Yes	N/A	None
32	M74				Yes	N/A	None
33	M75				Yes	N/A	None
34	M76				Yes	N/A	None
35	M77				Yes	** NA **	None
36	FH				Yes	N/A	None
37	M122				Yes	N/A	None
38	MP1A				Yes	** NA **	None
39	M130A				Yes	** NA **	None
40	M131A		OOOXOX		Yes	** NA **	None
41	M157A				Yes	** NA **	None
42	M158B				Yes	Default	None
43	M159				Yes	** NA **	None
44	M160				Yes	Default	None
45	M161				Yes	** NA **	None
46	M162				Yes	Default	None
47	M163				Yes	** NA **	None
48	M164				Yes	Default	None
49	M165				Yes	** NA **	None
50	M166				Yes	Default	None
51	M167				Yes	** NA **	None
52	M168				Yes	Default	None
53	M169				Yes	** NA **	None
54	M170				Yes	Default	None
55	M175				Yes	Default	None
56	M142A				Yes	** NA **	None
57	M143A				Yes	Default	None
58	M144				Yes	** NA **	None
59	M145				Yes	Default	None
60	M146				Yes	** NA **	None
61	M147				Yes	Default	None
62	M148				Yes	** NA **	None
63	M151A				Yes	Default	None
64	M154	BenPIN	BenPIN		Yes	Default	None
65	M155	BenPIN	BenPIN		Yes	Default	None
66	M156	BenPIN	BenPIN		Yes	Default	None
67	M157	BenPIN	BenPIN		Yes	Default	None
68	M132A				Yes	** NA **	None
69	M133B				Yes	** NA **	None
70	M134				Yes	** NA **	None
71	M128A				Yes	** NA **	None
72	M78				Yes	** NA **	None
73	M79				Yes	** NA **	None
74	M80				Yes	** NA **	None
75	M81				Yes	** NA **	None
76	M82				Yes	** NA **	None
77	M83				Yes	** NA **	None
78	M84				Yes	** NA **	None
79	M85				Yes	** NA **	None
80	M86				Yes	N/A	None
81	M87				Yes	N/A	None
82	M88				Yes	N/A	None
83	M89				Yes	N/A	None
84	M90				Yes	N/A	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
85	M91				Yes	N/A	None
86	M92				Yes	** NA **	None
87	M93				Yes	** NA **	None
88	M94				Yes	** NA **	None
89	M95				Yes	** NA **	None
90	M96				Yes	** NA **	None
91	M97				Yes	** NA **	None
92	M98				Yes	** NA **	None
93	M99				Yes	Default	None
94	M100				Yes	Default	None
95	M101				Yes	Default	None
96	MP2A				Yes	** NA **	None
97	M103				Yes	** NA **	None
98	M104		OOOXOX		Yes	** NA **	None
99	MP4A				Yes	** NA **	None
100	M109				Yes	** NA **	None
101	M110		OOOXOX		Yes	** NA **	None
102	MP3A				Yes	** NA **	None
103	M112				Yes	** NA **	None
104	M113		OOOXOX		Yes	** NA **	None
105	M105				Yes	** NA **	None
106	M106				Yes	** NA **	None
107	M107		OOOXOX		Yes	** NA **	None
108	M114		OOOXOX		Yes	** NA **	None
109	MP3B				Yes	** NA **	None
110	MP1B				Yes	** NA **	None
111	M117				Yes	** NA **	None
112	M118		OOOXOX		Yes	** NA **	None
113	MP2B				Yes	** NA **	None
114	M120				Yes	** NA **	None
115	M121		OOOXOX		Yes	** NA **	None
116	MP4B				Yes	** NA **	None
117	M124				Yes	** NA **	None
118	M125		OOOXOX		Yes	** NA **	None
119	M126				Yes	** NA **	None
120	M127				Yes	** NA **	None
121	M128		OOOXOX		Yes	** NA **	None
122	MP5B				Yes	** NA **	None
123	M130				Yes	** NA **	None
124	M131		OOOXOX		Yes	** NA **	None
125	M132				Yes	** NA **	None
126	M133		OOOXOX		Yes	** NA **	None
127	M135				Yes	** NA **	None
128	M136		OOOXOX		Yes	** NA **	None
129	M137				Yes	** NA **	None
130	M140				Yes	** NA **	None
131	M141				Yes	** NA **	None
132	MP5C				Yes	** NA **	None
133	M143				Yes	** NA **	None
134	MP4C				Yes	** NA **	None
135	M150		OOOXOX		Yes	** NA **	None
136	M151				Yes	** NA **	None
137	M158				Yes	** NA **	None
138	M171		OOOXOX		Yes	** NA **	None
139	M172		OOOXOX		Yes	** NA **	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Col-Wall Vert Release	Physical	Deflection Ratio Options	Seismic DR
140	MP3C				Yes	** NA **	None
141	MP1C				Yes	** NA **	None
142	M176				Yes	** NA **	None
143	M177		OOOXOX		Yes	** NA **	None
144	M178				Yes	** NA **	None
145	M179		OOOXOX		Yes	** NA **	None
146	MP2C				Yes	** NA **	None
147	M181				Yes	** NA **	None
148	M182				Yes	** NA **	None
149	M183		OOOXOX		Yes	** NA **	None
150	M173				Yes	** NA **	None
151	M174				Yes	** NA **	None
152	OVP2				Yes	** NA **	None
153	OVP1				Yes	** NA **	None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	Y	-35.5	2.5
2	MP4A	My	-0.018	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-35.5	4.5
5	MP4A	My	-0.018	4.5
6	MP4A	Mz	0	4.5
7	MP5B	Y	-35.5	2.5
8	MP5B	My	0.009	2.5
9	MP5B	Mz	-0.015	2.5
10	MP5B	Y	-35.5	4.5
11	MP5B	My	0.009	4.5
12	MP5B	Mz	-0.015	4.5
13	MP5C	Y	-35.5	2.5
14	MP5C	My	0	2.5
15	MP5C	Mz	0.018	2.5
16	MP5C	Y	-35.5	4.5
17	MP5C	My	0	4.5
18	MP5C	Mz	0.018	4.5
19	MP2A	Y	-33.75	1
20	MP2A	My	-0.017	1
21	MP2A	Mz	0.02	1
22	MP2A	Y	-33.75	6
23	MP2A	My	-0.017	6
24	MP2A	Mz	0.02	6
25	MP2A	Y	-33.75	1
26	MP2A	My	-0.017	1
27	MP2A	Mz	-0.02	1
28	MP2A	Y	-33.75	6
29	MP2A	My	-0.017	6
30	MP2A	Mz	-0.02	6
31	MP3B	Y	-33.75	1
32	MP3B	My	-0.009	1
33	MP3B	Mz	-0.024	1
34	MP3B	Y	-33.75	6
35	MP3B	My	-0.009	6
36	MP3B	Mz	-0.024	6
37	MP3C	Y	-33.75	1
38	MP3C	My	0.02	1

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
39	MP3C	Mz	0.017	1
40	MP3C	Y	-33.75	6
41	MP3C	My	0.02	6
42	MP3C	Mz	0.017	6
43	MP3B	Y	-33.75	1
44	MP3B	My	0.025	1
45	MP3B	Mz	-0.005	1
46	MP3B	Y	-33.75	6
47	MP3B	My	0.025	6
48	MP3B	Mz	-0.005	6
49	MP3C	Y	-33.75	1
50	MP3C	My	-0.02	1
51	MP3C	Mz	0.017	1
52	MP3C	Y	-33.75	6
53	MP3C	My	-0.02	6
54	MP3C	Mz	0.017	6
55	OVP1	Y	-32	1
56	OVP1	My	0	1
57	OVP1	Mz	0	1
58	MP2A	Y	-68.4	2.75
59	MP2A	My	0.068	2.75
60	MP2A	Mz	0.034	2.75
61	MP3B	Y	-68.4	2.75
62	MP3B	My	-0.034	2.75
63	MP3B	Mz	0.068	2.75
64	MP3C	Y	-68.4	2.75
65	MP3C	My	0.034	2.75
66	MP3C	Mz	-0.068	2.75
67	MP2A	Y	-69.5	2.75
68	MP2A	My	0.649	2.75
69	MP2A	Mz	-0.035	2.75
70	MP3B	Y	-69.5	2.75
71	MP3B	My	0.035	2.75
72	MP3B	Mz	0.649	2.75
73	MP3C	Y	-69.5	2.75
74	MP3C	My	-0.035	2.75
75	MP3C	Mz	-0.649	2.75

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	Y	-7.483	2.5
2	MP4A	My	-0.004	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	-7.483	4.5
5	MP4A	My	-0.004	4.5
6	MP4A	Mz	0	4.5
7	MP5B	Y	-7.483	2.5
8	MP5B	My	0.002	2.5
9	MP5B	Mz	-0.003	2.5
10	MP5B	Y	-7.483	4.5
11	MP5B	My	0.002	4.5
12	MP5B	Mz	-0.003	4.5
13	MP5C	Y	-7.483	2.5
14	MP5C	My	0	2.5
15	MP5C	Mz	0.004	2.5

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
16	MP5C	Y	-7.483	4.5
17	MP5C	My	0	4.5
18	MP5C	Mz	0.004	4.5
19	MP2A	Y	-17.577	1
20	MP2A	My	-0.009	1
21	MP2A	Mz	0.01	1
22	MP2A	Y	-17.577	6
23	MP2A	My	-0.009	6
24	MP2A	Mz	0.01	6
25	MP2A	Y	-17.577	1
26	MP2A	My	-0.009	1
27	MP2A	Mz	-0.01	1
28	MP2A	Y	-17.577	6
29	MP2A	My	-0.009	6
30	MP2A	Mz	-0.01	6
31	MP3B	Y	-17.577	1
32	MP3B	My	-0.004	1
33	MP3B	Mz	-0.013	1
34	MP3B	Y	-17.577	6
35	MP3B	My	-0.004	6
36	MP3B	Mz	-0.013	6
37	MP3C	Y	-17.577	1
38	MP3C	My	0.01	1
39	MP3C	Mz	0.009	1
40	MP3C	Y	-17.577	6
41	MP3C	My	0.01	6
42	MP3C	Mz	0.009	6
43	MP3B	Y	-17.577	1
44	MP3B	My	0.013	1
45	MP3B	Mz	-0.002	1
46	MP3B	Y	-17.577	6
47	MP3B	My	0.013	6
48	MP3B	Mz	-0.002	6
49	MP3C	Y	-17.577	1
50	MP3C	My	-0.01	1
51	MP3C	Mz	0.009	1
52	MP3C	Y	-17.577	6
53	MP3C	My	-0.01	6
54	MP3C	Mz	0.009	6
55	OVP1	Y	-19.6	1
56	OVP1	My	0	1
57	OVP1	Mz	0	1
58	MP2A	Y	-10.706	2.75
59	MP2A	My	0.011	2.75
60	MP2A	Mz	0.005	2.75
61	MP3B	Y	-10.706	2.75
62	MP3B	My	-0.005	2.75
63	MP3B	Mz	0.011	2.75
64	MP3C	Y	-10.706	2.75
65	MP3C	My	0.005	2.75
66	MP3C	Mz	-0.011	2.75
67	MP2A	Y	-10.838	2.75
68	MP2A	My	0.101	2.75
69	MP2A	Mz	-0.005	2.75
70	MP3B	Y	-10.838	2.75

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
71	MP3B	My	0.005	2.75
72	MP3B	Mz	0.101	2.75
73	MP3C	Y	-10.838	2.75
74	MP3C	My	-0.005	2.75
75	MP3C	Mz	-0.101	2.75

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	-41.92	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-41.92	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	-26.2	2.5
9	MP5B	Mx	0.011	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	-26.2	4.5
12	MP5B	Mx	0.011	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	-20.96	2.5
15	MP5C	Mx	-0.01	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	-20.96	4.5
18	MP5C	Mx	-0.01	4.5
19	MP2A	X	0	1
20	MP2A	Z	-135.167	1
21	MP2A	Mx	-0.079	1
22	MP2A	X	0	6
23	MP2A	Z	-135.167	6
24	MP2A	Mx	-0.079	6
25	MP2A	X	0	1
26	MP2A	Z	-135.167	1
27	MP2A	Mx	0.079	1
28	MP2A	X	0	6
29	MP2A	Z	-135.167	6
30	MP2A	Mx	0.079	6
31	MP3B	X	0	1
32	MP3B	Z	-102.169	1
33	MP3B	Mx	0.074	1
34	MP3B	X	0	6
35	MP3B	Z	-102.169	6
36	MP3B	Mx	0.074	6
37	MP3C	X	0	1
38	MP3C	Z	-91.17	1
39	MP3C	Mx	-0.046	1
40	MP3C	X	0	6
41	MP3C	Z	-91.17	6
42	MP3C	Mx	-0.046	6
43	MP3B	X	0	1
44	MP3B	Z	-102.169	1
45	MP3B	Mx	0.014	1
46	MP3B	X	0	6
47	MP3B	Z	-102.169	6

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
48	MP3B	Mx	0.014	6
49	MP3C	X	0	1
50	MP3C	Z	-91.17	1
51	MP3C	Mx	-0.046	1
52	MP3C	X	0	6
53	MP3C	Z	-91.17	6
54	MP3C	Mx	-0.046	6
55	OVP1	X	0	1
56	OVP1	Z	-64.88	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	-56.925	2.75
60	MP2A	Mx	-0.028	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	-25.962	2.75
63	MP3B	Mx	-0.026	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	-25.962	2.75
66	MP3C	Mx	0.026	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	-56.925	2.75
69	MP2A	Mx	0.028	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	-25.962	2.75
72	MP3B	Mx	-0.242	2.75
73	MP3C	X	0	2.75
74	MP3C	Z	-25.962	2.75
75	MP3C	Mx	0.242	2.75

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	18.34	2.5
2	MP4A	Z	-31.765	2.5
3	MP4A	Mx	-0.009	2.5
4	MP4A	X	18.34	4.5
5	MP4A	Z	-31.765	4.5
6	MP4A	Mx	-0.009	4.5
7	MP5B	X	10.48	2.5
8	MP5B	Z	-18.152	2.5
9	MP5B	Mx	0.01	2.5
10	MP5B	X	10.48	4.5
11	MP5B	Z	-18.152	4.5
12	MP5B	Mx	0.01	4.5
13	MP5C	X	13.1	2.5
14	MP5C	Z	-22.69	2.5
15	MP5C	Mx	-0.011	2.5
16	MP5C	X	13.1	4.5
17	MP5C	Z	-22.69	4.5
18	MP5C	Mx	-0.011	4.5
19	MP2A	X	62.084	1
20	MP2A	Z	-107.532	1
21	MP2A	Mx	-0.094	1
22	MP2A	X	62.084	6
23	MP2A	Z	-107.532	6
24	MP2A	Mx	-0.094	6

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
25	MP2A	X	62.084	1
26	MP2A	Z	-107.532	1
27	MP2A	Mx	0.032	1
28	MP2A	X	62.084	6
29	MP2A	Z	-107.532	6
30	MP2A	Mx	0.032	6
31	MP3B	X	45.585	1
32	MP3B	Z	-78.955	1
33	MP3B	Mx	0.046	1
34	MP3B	X	45.585	6
35	MP3B	Z	-78.955	6
36	MP3B	Mx	0.046	6
37	MP3C	X	51.084	1
38	MP3C	Z	-88.481	1
39	MP3C	Mx	-0.014	1
40	MP3C	X	51.084	6
41	MP3C	Z	-88.481	6
42	MP3C	Mx	-0.014	6
43	MP3B	X	45.585	1
44	MP3B	Z	-78.955	1
45	MP3B	Mx	0.046	1
46	MP3B	X	45.585	6
47	MP3B	Z	-78.955	6
48	MP3B	Mx	0.046	6
49	MP3C	X	51.084	1
50	MP3C	Z	-88.481	1
51	MP3C	Mx	-0.074	1
52	MP3C	X	51.084	6
53	MP3C	Z	-88.481	6
54	MP3C	Mx	-0.074	6
55	OVP1	X	28.973	1
56	OVP1	Z	-50.184	1
57	OVP1	Mx	0	1
58	MP2A	X	24.592	2.75
59	MP2A	Z	-42.595	2.75
60	MP2A	Mx	0.003	2.75
61	MP3B	X	16.851	2.75
62	MP3B	Z	-29.187	2.75
63	MP3B	Mx	-0.038	2.75
64	MP3C	X	16.851	2.75
65	MP3C	Z	-29.187	2.75
66	MP3C	Mx	0.038	2.75
67	MP2A	X	24.592	2.75
68	MP2A	Z	-42.595	2.75
69	MP2A	Mx	0.251	2.75
70	MP3B	X	16.851	2.75
71	MP3B	Z	-29.187	2.75
72	MP3B	Mx	-0.264	2.75
73	MP3C	X	16.851	2.75
74	MP3C	Z	-29.187	2.75
75	MP3C	Mx	0.264	2.75

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	22.69	2.5
2	MP4A	Z	-13.1	2.5
3	MP4A	Mx	-0.011	2.5
4	MP4A	X	22.69	4.5
5	MP4A	Z	-13.1	4.5
6	MP4A	Mx	-0.011	4.5
7	MP5B	X	22.69	2.5
8	MP5B	Z	-13.1	2.5
9	MP5B	Mx	0.011	2.5
10	MP5B	X	22.69	4.5
11	MP5B	Z	-13.1	4.5
12	MP5B	Mx	0.011	4.5
13	MP5C	X	31.765	2.5
14	MP5C	Z	-18.34	2.5
15	MP5C	Mx	-0.009	2.5
16	MP5C	X	31.765	4.5
17	MP5C	Z	-18.34	4.5
18	MP5C	Mx	-0.009	4.5
19	MP2A	X	88.481	1
20	MP2A	Z	-51.084	1
21	MP2A	Mx	-0.074	1
22	MP2A	X	88.481	6
23	MP2A	Z	-51.084	6
24	MP2A	Mx	-0.074	6
25	MP2A	X	88.481	1
26	MP2A	Z	-51.084	1
27	MP2A	Mx	-0.014	1
28	MP2A	X	88.481	6
29	MP2A	Z	-51.084	6
30	MP2A	Mx	-0.014	6
31	MP3B	X	88.481	1
32	MP3B	Z	-51.084	1
33	MP3B	Mx	0.014	1
34	MP3B	X	88.481	6
35	MP3B	Z	-51.084	6
36	MP3B	Mx	0.014	6
37	MP3C	X	107.532	1
38	MP3C	Z	-62.084	1
39	MP3C	Mx	0.032	1
40	MP3C	X	107.532	6
41	MP3C	Z	-62.084	6
42	MP3C	Mx	0.032	6
43	MP3B	X	88.481	1
44	MP3B	Z	-51.084	1
45	MP3B	Mx	0.074	1
46	MP3B	X	88.481	6
47	MP3B	Z	-51.084	6
48	MP3B	Mx	0.074	6
49	MP3C	X	107.532	1
50	MP3C	Z	-62.084	1
51	MP3C	Mx	-0.094	1
52	MP3C	X	107.532	6
53	MP3C	Z	-62.084	6
54	MP3C	Mx	-0.094	6
55	OVP1	X	51.545	1

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	OVP1	Z	-29.759	1
57	OVP1	Mx	0	1
58	MP2A	X	29.187	2.75
59	MP2A	Z	-16.851	2.75
60	MP2A	Mx	0.021	2.75
61	MP3B	X	42.595	2.75
62	MP3B	Z	-24.592	2.75
63	MP3B	Mx	-0.046	2.75
64	MP3C	X	42.595	2.75
65	MP3C	Z	-24.592	2.75
66	MP3C	Mx	0.046	2.75
67	MP2A	X	29.187	2.75
68	MP2A	Z	-16.851	2.75
69	MP2A	Mx	0.281	2.75
70	MP3B	X	42.595	2.75
71	MP3B	Z	-24.592	2.75
72	MP3B	Mx	-0.208	2.75
73	MP3C	X	42.595	2.75
74	MP3C	Z	-24.592	2.75
75	MP3C	Mx	0.208	2.75

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	20.96	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-0.01	2.5
4	MP4A	X	20.96	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-0.01	4.5
7	MP5B	X	36.68	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	0.009	2.5
10	MP5B	X	36.68	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	0.009	4.5
13	MP5C	X	41.92	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	41.92	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	91.17	1
20	MP2A	Z	0	1
21	MP2A	Mx	-0.046	1
22	MP2A	X	91.17	6
23	MP2A	Z	0	6
24	MP2A	Mx	-0.046	6
25	MP2A	X	91.17	1
26	MP2A	Z	0	1
27	MP2A	Mx	-0.046	1
28	MP2A	X	91.17	6
29	MP2A	Z	0	6
30	MP2A	Mx	-0.046	6
31	MP3B	X	124.167	1
32	MP3B	Z	0	1

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
33	MP3B	Mx	-0.032	1
34	MP3B	X	124.167	6
35	MP3B	Z	0	6
36	MP3B	Mx	-0.032	6
37	MP3C	X	135.167	1
38	MP3C	Z	0	1
39	MP3C	Mx	0.079	1
40	MP3C	X	135.167	6
41	MP3C	Z	0	6
42	MP3C	Mx	0.079	6
43	MP3B	X	124.167	1
44	MP3B	Z	0	1
45	MP3B	Mx	0.094	1
46	MP3B	X	124.167	6
47	MP3B	Z	0	6
48	MP3B	Mx	0.094	6
49	MP3C	X	135.167	1
50	MP3C	Z	0	1
51	MP3C	Mx	-0.079	1
52	MP3C	X	135.167	6
53	MP3C	Z	0	6
54	MP3C	Mx	-0.079	6
55	OVP1	X	68.024	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	25.962	2.75
59	MP2A	Z	0	2.75
60	MP2A	Mx	0.026	2.75
61	MP3B	X	56.925	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	-0.028	2.75
64	MP3C	X	56.925	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	0.028	2.75
67	MP2A	X	25.962	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	0.242	2.75
70	MP3B	X	56.925	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	0.028	2.75
73	MP3C	X	56.925	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	-0.028	2.75

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	22.69	2.5
2	MP4A	Z	13.1	2.5
3	MP4A	Mx	-0.011	2.5
4	MP4A	X	22.69	4.5
5	MP4A	Z	13.1	4.5
6	MP4A	Mx	-0.011	4.5
7	MP5B	X	36.303	2.5
8	MP5B	Z	20.96	2.5
9	MP5B	Mx	0	2.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
10	MP5B	X	36.303	4.5
11	MP5B	Z	20.96	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	31.765	2.5
14	MP5C	Z	18.34	2.5
15	MP5C	Mx	0.009	2.5
16	MP5C	X	31.765	4.5
17	MP5C	Z	18.34	4.5
18	MP5C	Mx	0.009	4.5
19	MP2A	X	88.481	1
20	MP2A	Z	51.084	1
21	MP2A	Mx	-0.014	1
22	MP2A	X	88.481	6
23	MP2A	Z	51.084	6
24	MP2A	Mx	-0.014	6
25	MP2A	X	88.481	1
26	MP2A	Z	51.084	1
27	MP2A	Mx	-0.074	1
28	MP2A	X	88.481	6
29	MP2A	Z	51.084	6
30	MP2A	Mx	-0.074	6
31	MP3B	X	117.058	1
32	MP3B	Z	67.583	1
33	MP3B	Mx	-0.079	1
34	MP3B	X	117.058	6
35	MP3B	Z	67.583	6
36	MP3B	Mx	-0.079	6
37	MP3C	X	107.532	1
38	MP3C	Z	62.084	1
39	MP3C	Mx	0.094	1
40	MP3C	X	107.532	6
41	MP3C	Z	62.084	6
42	MP3C	Mx	0.094	6
43	MP3B	X	117.058	1
44	MP3B	Z	67.583	1
45	MP3B	Mx	0.079	1
46	MP3B	X	117.058	6
47	MP3B	Z	67.583	6
48	MP3B	Mx	0.079	6
49	MP3C	X	107.532	1
50	MP3C	Z	62.084	1
51	MP3C	Mx	-0.032	1
52	MP3C	X	107.532	6
53	MP3C	Z	62.084	6
54	MP3C	Mx	-0.032	6
55	OVP1	X	64.915	1
56	OVP1	Z	37.478	1
57	OVP1	Mx	0	1
58	MP2A	X	29.187	2.75
59	MP2A	Z	16.851	2.75
60	MP2A	Mx	0.038	2.75
61	MP3B	X	42.595	2.75
62	MP3B	Z	24.592	2.75
63	MP3B	Mx	0.003	2.75
64	MP3C	X	42.595	2.75

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
65	MP3C	Z	24.592	2.75
66	MP3C	Mx	-0.003	2.75
67	MP2A	X	29.187	2.75
68	MP2A	Z	16.851	2.75
69	MP2A	Mx	0.264	2.75
70	MP3B	X	42.595	2.75
71	MP3B	Z	24.592	2.75
72	MP3B	Mx	0.251	2.75
73	MP3C	X	42.595	2.75
74	MP3C	Z	24.592	2.75
75	MP3C	Mx	-0.251	2.75

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	18.34	2.5
2	MP4A	Z	31.765	2.5
3	MP4A	Mx	-0.009	2.5
4	MP4A	X	18.34	4.5
5	MP4A	Z	31.765	4.5
6	MP4A	Mx	-0.009	4.5
7	MP5B	X	18.34	2.5
8	MP5B	Z	31.765	2.5
9	MP5B	Mx	-0.009	2.5
10	MP5B	X	18.34	4.5
11	MP5B	Z	31.765	4.5
12	MP5B	Mx	-0.009	4.5
13	MP5C	X	13.1	2.5
14	MP5C	Z	22.69	2.5
15	MP5C	Mx	0.011	2.5
16	MP5C	X	13.1	4.5
17	MP5C	Z	22.69	4.5
18	MP5C	Mx	0.011	4.5
19	MP2A	X	62.084	1
20	MP2A	Z	107.532	1
21	MP2A	Mx	0.032	1
22	MP2A	X	62.084	6
23	MP2A	Z	107.532	6
24	MP2A	Mx	0.032	6
25	MP2A	X	62.084	1
26	MP2A	Z	107.532	1
27	MP2A	Mx	-0.094	1
28	MP2A	X	62.084	6
29	MP2A	Z	107.532	6
30	MP2A	Mx	-0.094	6
31	MP3B	X	62.084	1
32	MP3B	Z	107.532	1
33	MP3B	Mx	-0.094	1
34	MP3B	X	62.084	6
35	MP3B	Z	107.532	6
36	MP3B	Mx	-0.094	6
37	MP3C	X	51.084	1
38	MP3C	Z	88.481	1
39	MP3C	Mx	0.074	1
40	MP3C	X	51.084	6
41	MP3C	Z	88.481	6

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
42	MP3C	Mx	0.074	6
43	MP3B	X	62.084	1
44	MP3B	Z	107.532	1
45	MP3B	Mx	0.032	1
46	MP3B	X	62.084	6
47	MP3B	Z	107.532	6
48	MP3B	Mx	0.032	6
49	MP3C	X	51.084	1
50	MP3C	Z	88.481	1
51	MP3C	Mx	0.014	1
52	MP3C	X	51.084	6
53	MP3C	Z	88.481	6
54	MP3C	Mx	0.014	6
55	OVP1	X	36.693	1
56	OVP1	Z	63.554	1
57	OVP1	Mx	0	1
58	MP2A	X	24.592	2.75
59	MP2A	Z	42.595	2.75
60	MP2A	Mx	0.046	2.75
61	MP3B	X	16.851	2.75
62	MP3B	Z	29.187	2.75
63	MP3B	Mx	0.021	2.75
64	MP3C	X	16.851	2.75
65	MP3C	Z	29.187	2.75
66	MP3C	Mx	-0.021	2.75
67	MP2A	X	24.592	2.75
68	MP2A	Z	42.595	2.75
69	MP2A	Mx	0.208	2.75
70	MP3B	X	16.851	2.75
71	MP3B	Z	29.187	2.75
72	MP3B	Mx	0.281	2.75
73	MP3C	X	16.851	2.75
74	MP3C	Z	29.187	2.75
75	MP3C	Mx	-0.281	2.75

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	41.92	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	41.92	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	26.2	2.5
9	MP5B	Mx	-0.011	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	26.2	4.5
12	MP5B	Mx	-0.011	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	20.96	2.5
15	MP5C	Mx	0.01	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	20.96	4.5
18	MP5C	Mx	0.01	4.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
19	MP2A	X	0	1
20	MP2A	Z	135.167	1
21	MP2A	Mx	0.079	1
22	MP2A	X	0	6
23	MP2A	Z	135.167	6
24	MP2A	Mx	0.079	6
25	MP2A	X	0	1
26	MP2A	Z	135.167	1
27	MP2A	Mx	-0.079	1
28	MP2A	X	0	6
29	MP2A	Z	135.167	6
30	MP2A	Mx	-0.079	6
31	MP3B	X	0	1
32	MP3B	Z	102.169	1
33	MP3B	Mx	-0.074	1
34	MP3B	X	0	6
35	MP3B	Z	102.169	6
36	MP3B	Mx	-0.074	6
37	MP3C	X	0	1
38	MP3C	Z	91.17	1
39	MP3C	Mx	0.046	1
40	MP3C	X	0	6
41	MP3C	Z	91.17	6
42	MP3C	Mx	0.046	6
43	MP3B	X	0	1
44	MP3B	Z	102.169	1
45	MP3B	Mx	-0.014	1
46	MP3B	X	0	6
47	MP3B	Z	102.169	6
48	MP3B	Mx	-0.014	6
49	MP3C	X	0	1
50	MP3C	Z	91.17	1
51	MP3C	Mx	0.046	1
52	MP3C	X	0	6
53	MP3C	Z	91.17	6
54	MP3C	Mx	0.046	6
55	OVP1	X	0	1
56	OVP1	Z	64.88	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	56.925	2.75
60	MP2A	Mx	0.028	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	25.962	2.75
63	MP3B	Mx	0.026	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	25.962	2.75
66	MP3C	Mx	-0.026	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	56.925	2.75
69	MP2A	Mx	-0.028	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	25.962	2.75
72	MP3B	Mx	0.242	2.75
73	MP3C	X	0	2.75

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
74	MP3C	Z	25.962	2.75
75	MP3C	Mx	-0.242	2.75

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-18.34	2.5
2	MP4A	Z	31.765	2.5
3	MP4A	Mx	0.009	2.5
4	MP4A	X	-18.34	4.5
5	MP4A	Z	31.765	4.5
6	MP4A	Mx	0.009	4.5
7	MP5B	X	-10.48	2.5
8	MP5B	Z	18.152	2.5
9	MP5B	Mx	-0.01	2.5
10	MP5B	X	-10.48	4.5
11	MP5B	Z	18.152	4.5
12	MP5B	Mx	-0.01	4.5
13	MP5C	X	-13.1	2.5
14	MP5C	Z	22.69	2.5
15	MP5C	Mx	0.011	2.5
16	MP5C	X	-13.1	4.5
17	MP5C	Z	22.69	4.5
18	MP5C	Mx	0.011	4.5
19	MP2A	X	-62.084	1
20	MP2A	Z	107.532	1
21	MP2A	Mx	0.094	1
22	MP2A	X	-62.084	6
23	MP2A	Z	107.532	6
24	MP2A	Mx	0.094	6
25	MP2A	X	-62.084	1
26	MP2A	Z	107.532	1
27	MP2A	Mx	-0.032	1
28	MP2A	X	-62.084	6
29	MP2A	Z	107.532	6
30	MP2A	Mx	-0.032	6
31	MP3B	X	-45.585	1
32	MP3B	Z	78.955	1
33	MP3B	Mx	-0.046	1
34	MP3B	X	-45.585	6
35	MP3B	Z	78.955	6
36	MP3B	Mx	-0.046	6
37	MP3C	X	-51.084	1
38	MP3C	Z	88.481	1
39	MP3C	Mx	0.014	1
40	MP3C	X	-51.084	6
41	MP3C	Z	88.481	6
42	MP3C	Mx	0.014	6
43	MP3B	X	-45.585	1
44	MP3B	Z	78.955	1
45	MP3B	Mx	-0.046	1
46	MP3B	X	-45.585	6
47	MP3B	Z	78.955	6
48	MP3B	Mx	-0.046	6
49	MP3C	X	-51.084	1
50	MP3C	Z	88.481	1

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
51	MP3C	Mx	0.074	1
52	MP3C	X	-51.084	6
53	MP3C	Z	88.481	6
54	MP3C	Mx	0.074	6
55	OVP1	X	-28.973	1
56	OVP1	Z	50.184	1
57	OVP1	Mx	0	1
58	MP2A	X	-24.592	2.75
59	MP2A	Z	42.595	2.75
60	MP2A	Mx	-0.003	2.75
61	MP3B	X	-16.851	2.75
62	MP3B	Z	29.187	2.75
63	MP3B	Mx	0.038	2.75
64	MP3C	X	-16.851	2.75
65	MP3C	Z	29.187	2.75
66	MP3C	Mx	-0.038	2.75
67	MP2A	X	-24.592	2.75
68	MP2A	Z	42.595	2.75
69	MP2A	Mx	-0.251	2.75
70	MP3B	X	-16.851	2.75
71	MP3B	Z	29.187	2.75
72	MP3B	Mx	0.264	2.75
73	MP3C	X	-16.851	2.75
74	MP3C	Z	29.187	2.75
75	MP3C	Mx	-0.264	2.75

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-22.69	2.5
2	MP4A	Z	13.1	2.5
3	MP4A	Mx	0.011	2.5
4	MP4A	X	-22.69	4.5
5	MP4A	Z	13.1	4.5
6	MP4A	Mx	0.011	4.5
7	MP5B	X	-22.69	2.5
8	MP5B	Z	13.1	2.5
9	MP5B	Mx	-0.011	2.5
10	MP5B	X	-22.69	4.5
11	MP5B	Z	13.1	4.5
12	MP5B	Mx	-0.011	4.5
13	MP5C	X	-31.765	2.5
14	MP5C	Z	18.34	2.5
15	MP5C	Mx	0.009	2.5
16	MP5C	X	-31.765	4.5
17	MP5C	Z	18.34	4.5
18	MP5C	Mx	0.009	4.5
19	MP2A	X	-88.481	1
20	MP2A	Z	51.084	1
21	MP2A	Mx	0.074	1
22	MP2A	X	-88.481	6
23	MP2A	Z	51.084	6
24	MP2A	Mx	0.074	6
25	MP2A	X	-88.481	1
26	MP2A	Z	51.084	1
27	MP2A	Mx	0.014	1

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
28	MP2A	X	-88.481	6
29	MP2A	Z	51.084	6
30	MP2A	Mx	0.014	6
31	MP3B	X	-88.481	1
32	MP3B	Z	51.084	1
33	MP3B	Mx	-0.014	1
34	MP3B	X	-88.481	6
35	MP3B	Z	51.084	6
36	MP3B	Mx	-0.014	6
37	MP3C	X	-107.532	1
38	MP3C	Z	62.084	1
39	MP3C	Mx	-0.032	1
40	MP3C	X	-107.532	6
41	MP3C	Z	62.084	6
42	MP3C	Mx	-0.032	6
43	MP3B	X	-88.481	1
44	MP3B	Z	51.084	1
45	MP3B	Mx	-0.074	1
46	MP3B	X	-88.481	6
47	MP3B	Z	51.084	6
48	MP3B	Mx	-0.074	6
49	MP3C	X	-107.532	1
50	MP3C	Z	62.084	1
51	MP3C	Mx	0.094	1
52	MP3C	X	-107.532	6
53	MP3C	Z	62.084	6
54	MP3C	Mx	0.094	6
55	OVP1	X	-51.545	1
56	OVP1	Z	29.759	1
57	OVP1	Mx	0	1
58	MP2A	X	-29.187	2.75
59	MP2A	Z	16.851	2.75
60	MP2A	Mx	-0.021	2.75
61	MP3B	X	-42.595	2.75
62	MP3B	Z	24.592	2.75
63	MP3B	Mx	0.046	2.75
64	MP3C	X	-42.595	2.75
65	MP3C	Z	24.592	2.75
66	MP3C	Mx	-0.046	2.75
67	MP2A	X	-29.187	2.75
68	MP2A	Z	16.851	2.75
69	MP2A	Mx	-0.281	2.75
70	MP3B	X	-42.595	2.75
71	MP3B	Z	24.592	2.75
72	MP3B	Mx	0.208	2.75
73	MP3C	X	-42.595	2.75
74	MP3C	Z	24.592	2.75
75	MP3C	Mx	-0.208	2.75

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-20.96	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	0.01	2.5
4	MP4A	X	-20.96	4.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
5	MP4A	Z	0	4.5
6	MP4A	Mx	0.01	4.5
7	MP5B	X	-36.68	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	-0.009	2.5
10	MP5B	X	-36.68	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	-0.009	4.5
13	MP5C	X	-41.92	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	-41.92	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	-91.17	1
20	MP2A	Z	0	1
21	MP2A	Mx	0.046	1
22	MP2A	X	-91.17	6
23	MP2A	Z	0	6
24	MP2A	Mx	0.046	6
25	MP2A	X	-91.17	1
26	MP2A	Z	0	1
27	MP2A	Mx	0.046	1
28	MP2A	X	-91.17	6
29	MP2A	Z	0	6
30	MP2A	Mx	0.046	6
31	MP3B	X	-124.167	1
32	MP3B	Z	0	1
33	MP3B	Mx	0.032	1
34	MP3B	X	-124.167	6
35	MP3B	Z	0	6
36	MP3B	Mx	0.032	6
37	MP3C	X	-135.167	1
38	MP3C	Z	0	1
39	MP3C	Mx	-0.079	1
40	MP3C	X	-135.167	6
41	MP3C	Z	0	6
42	MP3C	Mx	-0.079	6
43	MP3B	X	-124.167	1
44	MP3B	Z	0	1
45	MP3B	Mx	-0.094	1
46	MP3B	X	-124.167	6
47	MP3B	Z	0	6
48	MP3B	Mx	-0.094	6
49	MP3C	X	-135.167	1
50	MP3C	Z	0	1
51	MP3C	Mx	0.079	1
52	MP3C	X	-135.167	6
53	MP3C	Z	0	6
54	MP3C	Mx	0.079	6
55	OVP1	X	-68.024	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-25.962	2.75
59	MP2A	Z	0	2.75

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
60	MP2A	Mx	-0.026	2.75
61	MP3B	X	-56.925	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	0.028	2.75
64	MP3C	X	-56.925	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	-0.028	2.75
67	MP2A	X	-25.962	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	-0.242	2.75
70	MP3B	X	-56.925	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	-0.028	2.75
73	MP3C	X	-56.925	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	0.028	2.75

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-22.69	2.5
2	MP4A	Z	-13.1	2.5
3	MP4A	Mx	0.011	2.5
4	MP4A	X	-22.69	4.5
5	MP4A	Z	-13.1	4.5
6	MP4A	Mx	0.011	4.5
7	MP5B	X	-36.303	2.5
8	MP5B	Z	-20.96	2.5
9	MP5B	Mx	0	2.5
10	MP5B	X	-36.303	4.5
11	MP5B	Z	-20.96	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	-31.765	2.5
14	MP5C	Z	-18.34	2.5
15	MP5C	Mx	-0.009	2.5
16	MP5C	X	-31.765	4.5
17	MP5C	Z	-18.34	4.5
18	MP5C	Mx	-0.009	4.5
19	MP2A	X	-88.481	1
20	MP2A	Z	-51.084	1
21	MP2A	Mx	0.014	1
22	MP2A	X	-88.481	6
23	MP2A	Z	-51.084	6
24	MP2A	Mx	0.014	6
25	MP2A	X	-88.481	1
26	MP2A	Z	-51.084	1
27	MP2A	Mx	0.074	1
28	MP2A	X	-88.481	6
29	MP2A	Z	-51.084	6
30	MP2A	Mx	0.074	6
31	MP3B	X	-117.058	1
32	MP3B	Z	-67.583	1
33	MP3B	Mx	0.079	1
34	MP3B	X	-117.058	6
35	MP3B	Z	-67.583	6
36	MP3B	Mx	0.079	6

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
37	MP3C	X	-107.532	1
38	MP3C	Z	-62.084	1
39	MP3C	Mx	-0.094	1
40	MP3C	X	-107.532	6
41	MP3C	Z	-62.084	6
42	MP3C	Mx	-0.094	6
43	MP3B	X	-117.058	1
44	MP3B	Z	-67.583	1
45	MP3B	Mx	-0.079	1
46	MP3B	X	-117.058	6
47	MP3B	Z	-67.583	6
48	MP3B	Mx	-0.079	6
49	MP3C	X	-107.532	1
50	MP3C	Z	-62.084	1
51	MP3C	Mx	0.032	1
52	MP3C	X	-107.532	6
53	MP3C	Z	-62.084	6
54	MP3C	Mx	0.032	6
55	OVP1	X	-64.915	1
56	OVP1	Z	-37.478	1
57	OVP1	Mx	0	1
58	MP2A	X	-29.187	2.75
59	MP2A	Z	-16.851	2.75
60	MP2A	Mx	-0.038	2.75
61	MP3B	X	-42.595	2.75
62	MP3B	Z	-24.592	2.75
63	MP3B	Mx	-0.003	2.75
64	MP3C	X	-42.595	2.75
65	MP3C	Z	-24.592	2.75
66	MP3C	Mx	0.003	2.75
67	MP2A	X	-29.187	2.75
68	MP2A	Z	-16.851	2.75
69	MP2A	Mx	-0.264	2.75
70	MP3B	X	-42.595	2.75
71	MP3B	Z	-24.592	2.75
72	MP3B	Mx	-0.251	2.75
73	MP3C	X	-42.595	2.75
74	MP3C	Z	-24.592	2.75
75	MP3C	Mx	0.251	2.75

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-18.34	2.5
2	MP4A	Z	-31.765	2.5
3	MP4A	Mx	0.009	2.5
4	MP4A	X	-18.34	4.5
5	MP4A	Z	-31.765	4.5
6	MP4A	Mx	0.009	4.5
7	MP5B	X	-18.34	2.5
8	MP5B	Z	-31.765	2.5
9	MP5B	Mx	0.009	2.5
10	MP5B	X	-18.34	4.5
11	MP5B	Z	-31.765	4.5
12	MP5B	Mx	0.009	4.5
13	MP5C	X	-13.1	2.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
14	MP5C	Z	-22.69	2.5
15	MP5C	Mx	-0.011	2.5
16	MP5C	X	-13.1	4.5
17	MP5C	Z	-22.69	4.5
18	MP5C	Mx	-0.011	4.5
19	MP2A	X	-62.084	1
20	MP2A	Z	-107.532	1
21	MP2A	Mx	-0.032	1
22	MP2A	X	-62.084	6
23	MP2A	Z	-107.532	6
24	MP2A	Mx	-0.032	6
25	MP2A	X	-62.084	1
26	MP2A	Z	-107.532	1
27	MP2A	Mx	0.094	1
28	MP2A	X	-62.084	6
29	MP2A	Z	-107.532	6
30	MP2A	Mx	0.094	6
31	MP3B	X	-62.084	1
32	MP3B	Z	-107.532	1
33	MP3B	Mx	0.094	1
34	MP3B	X	-62.084	6
35	MP3B	Z	-107.532	6
36	MP3B	Mx	0.094	6
37	MP3C	X	-51.084	1
38	MP3C	Z	-88.481	1
39	MP3C	Mx	-0.074	1
40	MP3C	X	-51.084	6
41	MP3C	Z	-88.481	6
42	MP3C	Mx	-0.074	6
43	MP3B	X	-62.084	1
44	MP3B	Z	-107.532	1
45	MP3B	Mx	-0.032	1
46	MP3B	X	-62.084	6
47	MP3B	Z	-107.532	6
48	MP3B	Mx	-0.032	6
49	MP3C	X	-51.084	1
50	MP3C	Z	-88.481	1
51	MP3C	Mx	-0.014	1
52	MP3C	X	-51.084	6
53	MP3C	Z	-88.481	6
54	MP3C	Mx	-0.014	6
55	OVP1	X	-36.693	1
56	OVP1	Z	-63.554	1
57	OVP1	Mx	0	1
58	MP2A	X	-24.592	2.75
59	MP2A	Z	-42.595	2.75
60	MP2A	Mx	-0.046	2.75
61	MP3B	X	-16.851	2.75
62	MP3B	Z	-29.187	2.75
63	MP3B	Mx	-0.021	2.75
64	MP3C	X	-16.851	2.75
65	MP3C	Z	-29.187	2.75
66	MP3C	Mx	0.021	2.75
67	MP2A	X	-24.592	2.75
68	MP2A	Z	-42.595	2.75

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
69	MP2A	Mx	-0.208	2.75
70	MP3B	X	-16.851	2.75
71	MP3B	Z	-29.187	2.75
72	MP3B	Mx	-0.281	2.75
73	MP3C	X	-16.851	2.75
74	MP3C	Z	-29.187	2.75
75	MP3C	Mx	0.281	2.75

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	-7.037	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-7.037	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	-4.52	2.5
9	MP5B	Mx	0.002	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	-4.52	4.5
12	MP5B	Mx	0.002	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	-3.681	2.5
15	MP5C	Mx	-0.002	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	-3.681	4.5
18	MP5C	Mx	-0.002	4.5
19	MP2A	X	0	1
20	MP2A	Z	-20.918	1
21	MP2A	Mx	-0.012	1
22	MP2A	X	0	6
23	MP2A	Z	-20.918	6
24	MP2A	Mx	-0.012	6
25	MP2A	X	0	1
26	MP2A	Z	-20.918	1
27	MP2A	Mx	0.012	1
28	MP2A	X	0	6
29	MP2A	Z	-20.918	6
30	MP2A	Mx	0.012	6
31	MP3B	X	0	1
32	MP3B	Z	-15.846	1
33	MP3B	Mx	0.011	1
34	MP3B	X	0	6
35	MP3B	Z	-15.846	6
36	MP3B	Mx	0.011	6
37	MP3C	X	0	1
38	MP3C	Z	-14.155	1
39	MP3C	Mx	-0.007	1
40	MP3C	X	0	6
41	MP3C	Z	-14.155	6
42	MP3C	Mx	-0.007	6
43	MP3B	X	0	1
44	MP3B	Z	-15.846	1
45	MP3B	Mx	0.002	1

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
46	MP3B	X	0	6
47	MP3B	Z	-15.846	6
48	MP3B	Mx	0.002	6
49	MP3C	X	0	1
50	MP3C	Z	-14.155	1
51	MP3C	Mx	-0.007	1
52	MP3C	X	0	6
53	MP3C	Z	-14.155	6
54	MP3C	Mx	-0.007	6
55	OVP1	X	0	1
56	OVP1	Z	-12.978	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	-4.639	2.75
60	MP2A	Mx	-0.002	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	-10.038	2.75
63	MP3B	Mx	-0.01	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	-10.038	2.75
66	MP3C	Mx	0.01	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	-4.754	2.75
69	MP2A	Mx	0.002	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	-10.038	2.75
72	MP3B	Mx	-0.094	2.75
73	MP3C	X	0	2.75
74	MP3C	Z	-10.038	2.75
75	MP3C	Mx	0.094	2.75

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	3.099	2.5
2	MP4A	Z	-5.368	2.5
3	MP4A	Mx	-0.002	2.5
4	MP4A	X	3.099	4.5
5	MP4A	Z	-5.368	4.5
6	MP4A	Mx	-0.002	4.5
7	MP5B	X	1.841	2.5
8	MP5B	Z	-3.188	2.5
9	MP5B	Mx	0.002	2.5
10	MP5B	X	1.841	4.5
11	MP5B	Z	-3.188	4.5
12	MP5B	Mx	0.002	4.5
13	MP5C	X	2.26	2.5
14	MP5C	Z	-3.915	2.5
15	MP5C	Mx	-0.002	2.5
16	MP5C	X	2.26	4.5
17	MP5C	Z	-3.915	4.5
18	MP5C	Mx	-0.002	4.5
19	MP2A	X	9.614	1
20	MP2A	Z	-16.651	1
21	MP2A	Mx	-0.015	1
22	MP2A	X	9.614	6

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
23	MP2A	Z	-16.651	6
24	MP2A	Mx	-0.015	6
25	MP2A	X	9.614	1
26	MP2A	Z	-16.651	1
27	MP2A	Mx	0.005	1
28	MP2A	X	9.614	6
29	MP2A	Z	-16.651	6
30	MP2A	Mx	0.005	6
31	MP3B	X	7.078	1
32	MP3B	Z	-12.259	1
33	MP3B	Mx	0.007	1
34	MP3B	X	7.078	6
35	MP3B	Z	-12.259	6
36	MP3B	Mx	0.007	6
37	MP3C	X	7.923	1
38	MP3C	Z	-13.723	1
39	MP3C	Mx	-0.002	1
40	MP3C	X	7.923	6
41	MP3C	Z	-13.723	6
42	MP3C	Mx	-0.002	6
43	MP3B	X	7.078	1
44	MP3B	Z	-12.259	1
45	MP3B	Mx	0.007	1
46	MP3B	X	7.078	6
47	MP3B	Z	-12.259	6
48	MP3B	Mx	0.007	6
49	MP3C	X	7.923	1
50	MP3C	Z	-13.723	1
51	MP3C	Mx	-0.011	1
52	MP3C	X	7.923	6
53	MP3C	Z	-13.723	6
54	MP3C	Mx	-0.011	6
55	OVP1	X	5.822	1
56	OVP1	Z	-10.084	1
57	OVP1	Mx	0	1
58	MP2A	X	2.994	2.75
59	MP2A	Z	-5.187	2.75
60	MP2A	Mx	0.000401	2.75
61	MP3B	X	4.344	2.75
62	MP3B	Z	-7.524	2.75
63	MP3B	Mx	-0.01	2.75
64	MP3C	X	4.344	2.75
65	MP3C	Z	-7.524	2.75
66	MP3C	Mx	0.01	2.75
67	MP2A	X	3.037	2.75
68	MP2A	Z	-5.261	2.75
69	MP2A	Mx	0.031	2.75
70	MP3B	X	4.358	2.75
71	MP3B	Z	-7.549	2.75
72	MP3B	Mx	-0.068	2.75
73	MP3C	X	4.358	2.75
74	MP3C	Z	-7.549	2.75
75	MP3C	Mx	0.068	2.75

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	3.915	2.5
2	MP4A	Z	-2.26	2.5
3	MP4A	Mx	-0.002	2.5
4	MP4A	X	3.915	4.5
5	MP4A	Z	-2.26	4.5
6	MP4A	Mx	-0.002	4.5
7	MP5B	X	3.915	2.5
8	MP5B	Z	-2.26	2.5
9	MP5B	Mx	0.002	2.5
10	MP5B	X	3.915	4.5
11	MP5B	Z	-2.26	4.5
12	MP5B	Mx	0.002	4.5
13	MP5C	X	5.368	2.5
14	MP5C	Z	-3.099	2.5
15	MP5C	Mx	-0.002	2.5
16	MP5C	X	5.368	4.5
17	MP5C	Z	-3.099	4.5
18	MP5C	Mx	-0.002	4.5
19	MP2A	X	13.723	1
20	MP2A	Z	-7.923	1
21	MP2A	Mx	-0.011	1
22	MP2A	X	13.723	6
23	MP2A	Z	-7.923	6
24	MP2A	Mx	-0.011	6
25	MP2A	X	13.723	1
26	MP2A	Z	-7.923	1
27	MP2A	Mx	-0.002	1
28	MP2A	X	13.723	6
29	MP2A	Z	-7.923	6
30	MP2A	Mx	-0.002	6
31	MP3B	X	13.723	1
32	MP3B	Z	-7.923	1
33	MP3B	Mx	0.002	1
34	MP3B	X	13.723	6
35	MP3B	Z	-7.923	6
36	MP3B	Mx	0.002	6
37	MP3C	X	16.651	1
38	MP3C	Z	-9.614	1
39	MP3C	Mx	0.005	1
40	MP3C	X	16.651	6
41	MP3C	Z	-9.614	6
42	MP3C	Mx	0.005	6
43	MP3B	X	13.723	1
44	MP3B	Z	-7.923	1
45	MP3B	Mx	0.011	1
46	MP3B	X	13.723	6
47	MP3B	Z	-7.923	6
48	MP3B	Mx	0.011	6
49	MP3C	X	16.651	1
50	MP3C	Z	-9.614	1
51	MP3C	Mx	-0.015	1
52	MP3C	X	16.651	6
53	MP3C	Z	-9.614	6
54	MP3C	Mx	-0.015	6
55	OVP1	X	10.346	1

Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	OVP1	Z	-5.973	1
57	OVP1	Mx	0	1
58	MP2A	X	7.524	2.75
59	MP2A	Z	-4.344	2.75
60	MP2A	Mx	0.005	2.75
61	MP3B	X	5.187	2.75
62	MP3B	Z	-2.994	2.75
63	MP3B	Mx	-0.006	2.75
64	MP3C	X	5.187	2.75
65	MP3C	Z	-2.994	2.75
66	MP3C	Mx	0.006	2.75
67	MP2A	X	7.549	2.75
68	MP2A	Z	-4.358	2.75
69	MP2A	Mx	0.073	2.75
70	MP3B	X	5.261	2.75
71	MP3B	Z	-3.037	2.75
72	MP3B	Mx	-0.026	2.75
73	MP3C	X	5.261	2.75
74	MP3C	Z	-3.037	2.75
75	MP3C	Mx	0.026	2.75

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	3.681	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-0.002	2.5
4	MP4A	X	3.681	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-0.002	4.5
7	MP5B	X	6.198	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	0.002	2.5
10	MP5B	X	6.198	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	0.002	4.5
13	MP5C	X	7.037	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	7.037	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	14.155	1
20	MP2A	Z	0	1
21	MP2A	Mx	-0.007	1
22	MP2A	X	14.155	6
23	MP2A	Z	0	6
24	MP2A	Mx	-0.007	6
25	MP2A	X	14.155	1
26	MP2A	Z	0	1
27	MP2A	Mx	-0.007	1
28	MP2A	X	14.155	6
29	MP2A	Z	0	6
30	MP2A	Mx	-0.007	6
31	MP3B	X	19.227	1
32	MP3B	Z	0	1

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
33	MP3B	Mx	-0.005	1
34	MP3B	X	19.227	6
35	MP3B	Z	0	6
36	MP3B	Mx	-0.005	6
37	MP3C	X	20.918	1
38	MP3C	Z	0	1
39	MP3C	Mx	0.012	1
40	MP3C	X	20.918	6
41	MP3C	Z	0	6
42	MP3C	Mx	0.012	6
43	MP3B	X	19.227	1
44	MP3B	Z	0	1
45	MP3B	Mx	0.015	1
46	MP3B	X	19.227	6
47	MP3B	Z	0	6
48	MP3B	Mx	0.015	6
49	MP3C	X	20.918	1
50	MP3C	Z	0	1
51	MP3C	Mx	-0.012	1
52	MP3C	X	20.918	6
53	MP3C	Z	0	6
54	MP3C	Mx	-0.012	6
55	OVP1	X	13.582	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	10.038	2.75
59	MP2A	Z	0	2.75
60	MP2A	Mx	0.01	2.75
61	MP3B	X	4.639	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	-0.002	2.75
64	MP3C	X	4.639	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	0.002	2.75
67	MP2A	X	10.038	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	0.094	2.75
70	MP3B	X	4.754	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	0.002	2.75
73	MP3C	X	4.754	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	-0.002	2.75

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	3.915	2.5
2	MP4A	Z	2.26	2.5
3	MP4A	Mx	-0.002	2.5
4	MP4A	X	3.915	4.5
5	MP4A	Z	2.26	4.5
6	MP4A	Mx	-0.002	4.5
7	MP5B	X	6.094	2.5
8	MP5B	Z	3.518	2.5
9	MP5B	Mx	0	2.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
10	MP5B	X	6.094	4.5
11	MP5B	Z	3.518	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	5.368	2.5
14	MP5C	Z	3.099	2.5
15	MP5C	Mx	0.002	2.5
16	MP5C	X	5.368	4.5
17	MP5C	Z	3.099	4.5
18	MP5C	Mx	0.002	4.5
19	MP2A	X	13.723	1
20	MP2A	Z	7.923	1
21	MP2A	Mx	-0.002	1
22	MP2A	X	13.723	6
23	MP2A	Z	7.923	6
24	MP2A	Mx	-0.002	6
25	MP2A	X	13.723	1
26	MP2A	Z	7.923	1
27	MP2A	Mx	-0.011	1
28	MP2A	X	13.723	6
29	MP2A	Z	7.923	6
30	MP2A	Mx	-0.011	6
31	MP3B	X	18.115	1
32	MP3B	Z	10.459	1
33	MP3B	Mx	-0.012	1
34	MP3B	X	18.115	6
35	MP3B	Z	10.459	6
36	MP3B	Mx	-0.012	6
37	MP3C	X	16.651	1
38	MP3C	Z	9.614	1
39	MP3C	Mx	0.015	1
40	MP3C	X	16.651	6
41	MP3C	Z	9.614	6
42	MP3C	Mx	0.015	6
43	MP3B	X	18.115	1
44	MP3B	Z	10.459	1
45	MP3B	Mx	0.012	1
46	MP3B	X	18.115	6
47	MP3B	Z	10.459	6
48	MP3B	Mx	0.012	6
49	MP3C	X	16.651	1
50	MP3C	Z	9.614	1
51	MP3C	Mx	-0.005	1
52	MP3C	X	16.651	6
53	MP3C	Z	9.614	6
54	MP3C	Mx	-0.005	6
55	OVP1	X	12.917	1
56	OVP1	Z	7.458	1
57	OVP1	Mx	0	1
58	MP2A	X	7.524	2.75
59	MP2A	Z	4.344	2.75
60	MP2A	Mx	0.01	2.75
61	MP3B	X	5.187	2.75
62	MP3B	Z	2.994	2.75
63	MP3B	Mx	0.000401	2.75
64	MP3C	X	5.187	2.75

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
65	MP3C	Z	2.994	2.75
66	MP3C	Mx	-0.000401	2.75
67	MP2A	X	7.549	2.75
68	MP2A	Z	4.358	2.75
69	MP2A	Mx	0.068	2.75
70	MP3B	X	5.261	2.75
71	MP3B	Z	3.037	2.75
72	MP3B	Mx	0.031	2.75
73	MP3C	X	5.261	2.75
74	MP3C	Z	3.037	2.75
75	MP3C	Mx	-0.031	2.75

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	3.099	2.5
2	MP4A	Z	5.368	2.5
3	MP4A	Mx	-0.002	2.5
4	MP4A	X	3.099	4.5
5	MP4A	Z	5.368	4.5
6	MP4A	Mx	-0.002	4.5
7	MP5B	X	3.099	2.5
8	MP5B	Z	5.368	2.5
9	MP5B	Mx	-0.002	2.5
10	MP5B	X	3.099	4.5
11	MP5B	Z	5.368	4.5
12	MP5B	Mx	-0.002	4.5
13	MP5C	X	2.26	2.5
14	MP5C	Z	3.915	2.5
15	MP5C	Mx	0.002	2.5
16	MP5C	X	2.26	4.5
17	MP5C	Z	3.915	4.5
18	MP5C	Mx	0.002	4.5
19	MP2A	X	9.614	1
20	MP2A	Z	16.651	1
21	MP2A	Mx	0.005	1
22	MP2A	X	9.614	6
23	MP2A	Z	16.651	6
24	MP2A	Mx	0.005	6
25	MP2A	X	9.614	1
26	MP2A	Z	16.651	1
27	MP2A	Mx	-0.015	1
28	MP2A	X	9.614	6
29	MP2A	Z	16.651	6
30	MP2A	Mx	-0.015	6
31	MP3B	X	9.614	1
32	MP3B	Z	16.651	1
33	MP3B	Mx	-0.015	1
34	MP3B	X	9.614	6
35	MP3B	Z	16.651	6
36	MP3B	Mx	-0.015	6
37	MP3C	X	7.923	1
38	MP3C	Z	13.723	1
39	MP3C	Mx	0.011	1
40	MP3C	X	7.923	6
41	MP3C	Z	13.723	6

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
42	MP3C	Mx	0.011	6
43	MP3B	X	9.614	1
44	MP3B	Z	16.651	1
45	MP3B	Mx	0.005	1
46	MP3B	X	9.614	6
47	MP3B	Z	16.651	6
48	MP3B	Mx	0.005	6
49	MP3C	X	7.923	1
50	MP3C	Z	13.723	1
51	MP3C	Mx	0.002	1
52	MP3C	X	7.923	6
53	MP3C	Z	13.723	6
54	MP3C	Mx	0.002	6
55	OVP1	X	7.307	1
56	OVP1	Z	12.656	1
57	OVP1	Mx	0	1
58	MP2A	X	2.994	2.75
59	MP2A	Z	5.187	2.75
60	MP2A	Mx	0.006	2.75
61	MP3B	X	4.344	2.75
62	MP3B	Z	7.524	2.75
63	MP3B	Mx	0.005	2.75
64	MP3C	X	4.344	2.75
65	MP3C	Z	7.524	2.75
66	MP3C	Mx	-0.005	2.75
67	MP2A	X	3.037	2.75
68	MP2A	Z	5.261	2.75
69	MP2A	Mx	0.026	2.75
70	MP3B	X	4.358	2.75
71	MP3B	Z	7.549	2.75
72	MP3B	Mx	0.073	2.75
73	MP3C	X	4.358	2.75
74	MP3C	Z	7.549	2.75
75	MP3C	Mx	-0.073	2.75

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	7.037	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	7.037	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	4.52	2.5
9	MP5B	Mx	-0.002	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	4.52	4.5
12	MP5B	Mx	-0.002	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	3.681	2.5
15	MP5C	Mx	0.002	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	3.681	4.5
18	MP5C	Mx	0.002	4.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
19	MP2A	X	0	1
20	MP2A	Z	20.918	1
21	MP2A	Mx	0.012	1
22	MP2A	X	0	6
23	MP2A	Z	20.918	6
24	MP2A	Mx	0.012	6
25	MP2A	X	0	1
26	MP2A	Z	20.918	1
27	MP2A	Mx	-0.012	1
28	MP2A	X	0	6
29	MP2A	Z	20.918	6
30	MP2A	Mx	-0.012	6
31	MP3B	X	0	1
32	MP3B	Z	15.846	1
33	MP3B	Mx	-0.011	1
34	MP3B	X	0	6
35	MP3B	Z	15.846	6
36	MP3B	Mx	-0.011	6
37	MP3C	X	0	1
38	MP3C	Z	14.155	1
39	MP3C	Mx	0.007	1
40	MP3C	X	0	6
41	MP3C	Z	14.155	6
42	MP3C	Mx	0.007	6
43	MP3B	X	0	1
44	MP3B	Z	15.846	1
45	MP3B	Mx	-0.002	1
46	MP3B	X	0	6
47	MP3B	Z	15.846	6
48	MP3B	Mx	-0.002	6
49	MP3C	X	0	1
50	MP3C	Z	14.155	1
51	MP3C	Mx	0.007	1
52	MP3C	X	0	6
53	MP3C	Z	14.155	6
54	MP3C	Mx	0.007	6
55	OVP1	X	0	1
56	OVP1	Z	12.978	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	4.639	2.75
60	MP2A	Mx	0.002	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	10.038	2.75
63	MP3B	Mx	0.01	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	10.038	2.75
66	MP3C	Mx	-0.01	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	4.754	2.75
69	MP2A	Mx	-0.002	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	10.038	2.75
72	MP3B	Mx	0.094	2.75
73	MP3C	X	0	2.75

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
74	MP3C	Z	10.038	2.75
75	MP3C	Mx	-0.094	2.75

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-3.099	2.5
2	MP4A	Z	5.368	2.5
3	MP4A	Mx	0.002	2.5
4	MP4A	X	-3.099	4.5
5	MP4A	Z	5.368	4.5
6	MP4A	Mx	0.002	4.5
7	MP5B	X	-1.841	2.5
8	MP5B	Z	3.188	2.5
9	MP5B	Mx	-0.002	2.5
10	MP5B	X	-1.841	4.5
11	MP5B	Z	3.188	4.5
12	MP5B	Mx	-0.002	4.5
13	MP5C	X	-2.26	2.5
14	MP5C	Z	3.915	2.5
15	MP5C	Mx	0.002	2.5
16	MP5C	X	-2.26	4.5
17	MP5C	Z	3.915	4.5
18	MP5C	Mx	0.002	4.5
19	MP2A	X	-9.614	1
20	MP2A	Z	16.651	1
21	MP2A	Mx	0.015	1
22	MP2A	X	-9.614	6
23	MP2A	Z	16.651	6
24	MP2A	Mx	0.015	6
25	MP2A	X	-9.614	1
26	MP2A	Z	16.651	1
27	MP2A	Mx	-0.005	1
28	MP2A	X	-9.614	6
29	MP2A	Z	16.651	6
30	MP2A	Mx	-0.005	6
31	MP3B	X	-7.078	1
32	MP3B	Z	12.259	1
33	MP3B	Mx	-0.007	1
34	MP3B	X	-7.078	6
35	MP3B	Z	12.259	6
36	MP3B	Mx	-0.007	6
37	MP3C	X	-7.923	1
38	MP3C	Z	13.723	1
39	MP3C	Mx	0.002	1
40	MP3C	X	-7.923	6
41	MP3C	Z	13.723	6
42	MP3C	Mx	0.002	6
43	MP3B	X	-7.078	1
44	MP3B	Z	12.259	1
45	MP3B	Mx	-0.007	1
46	MP3B	X	-7.078	6
47	MP3B	Z	12.259	6
48	MP3B	Mx	-0.007	6
49	MP3C	X	-7.923	1
50	MP3C	Z	13.723	1

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
51	MP3C	Mx	0.011	1
52	MP3C	X	-7.923	6
53	MP3C	Z	13.723	6
54	MP3C	Mx	0.011	6
55	OVP1	X	-5.822	1
56	OVP1	Z	10.084	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.994	2.75
59	MP2A	Z	5.187	2.75
60	MP2A	Mx	-0.000401	2.75
61	MP3B	X	-4.344	2.75
62	MP3B	Z	7.524	2.75
63	MP3B	Mx	0.01	2.75
64	MP3C	X	-4.344	2.75
65	MP3C	Z	7.524	2.75
66	MP3C	Mx	-0.01	2.75
67	MP2A	X	-3.037	2.75
68	MP2A	Z	5.261	2.75
69	MP2A	Mx	-0.031	2.75
70	MP3B	X	-4.358	2.75
71	MP3B	Z	7.549	2.75
72	MP3B	Mx	0.068	2.75
73	MP3C	X	-4.358	2.75
74	MP3C	Z	7.549	2.75
75	MP3C	Mx	-0.068	2.75

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-3.915	2.5
2	MP4A	Z	2.26	2.5
3	MP4A	Mx	0.002	2.5
4	MP4A	X	-3.915	4.5
5	MP4A	Z	2.26	4.5
6	MP4A	Mx	0.002	4.5
7	MP5B	X	-3.915	2.5
8	MP5B	Z	2.26	2.5
9	MP5B	Mx	-0.002	2.5
10	MP5B	X	-3.915	4.5
11	MP5B	Z	2.26	4.5
12	MP5B	Mx	-0.002	4.5
13	MP5C	X	-5.368	2.5
14	MP5C	Z	3.099	2.5
15	MP5C	Mx	0.002	2.5
16	MP5C	X	-5.368	4.5
17	MP5C	Z	3.099	4.5
18	MP5C	Mx	0.002	4.5
19	MP2A	X	-13.723	1
20	MP2A	Z	7.923	1
21	MP2A	Mx	0.011	1
22	MP2A	X	-13.723	6
23	MP2A	Z	7.923	6
24	MP2A	Mx	0.011	6
25	MP2A	X	-13.723	1
26	MP2A	Z	7.923	1
27	MP2A	Mx	0.002	1

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
28	MP2A	X	-13.723	6
29	MP2A	Z	7.923	6
30	MP2A	Mx	0.002	6
31	MP3B	X	-13.723	1
32	MP3B	Z	7.923	1
33	MP3B	Mx	-0.002	1
34	MP3B	X	-13.723	6
35	MP3B	Z	7.923	6
36	MP3B	Mx	-0.002	6
37	MP3C	X	-16.651	1
38	MP3C	Z	9.614	1
39	MP3C	Mx	-0.005	1
40	MP3C	X	-16.651	6
41	MP3C	Z	9.614	6
42	MP3C	Mx	-0.005	6
43	MP3B	X	-13.723	1
44	MP3B	Z	7.923	1
45	MP3B	Mx	-0.011	1
46	MP3B	X	-13.723	6
47	MP3B	Z	7.923	6
48	MP3B	Mx	-0.011	6
49	MP3C	X	-16.651	1
50	MP3C	Z	9.614	1
51	MP3C	Mx	0.015	1
52	MP3C	X	-16.651	6
53	MP3C	Z	9.614	6
54	MP3C	Mx	0.015	6
55	OVP1	X	-10.346	1
56	OVP1	Z	5.973	1
57	OVP1	Mx	0	1
58	MP2A	X	-7.524	2.75
59	MP2A	Z	4.344	2.75
60	MP2A	Mx	-0.005	2.75
61	MP3B	X	-5.187	2.75
62	MP3B	Z	2.994	2.75
63	MP3B	Mx	0.006	2.75
64	MP3C	X	-5.187	2.75
65	MP3C	Z	2.994	2.75
66	MP3C	Mx	-0.006	2.75
67	MP2A	X	-7.549	2.75
68	MP2A	Z	4.358	2.75
69	MP2A	Mx	-0.073	2.75
70	MP3B	X	-5.261	2.75
71	MP3B	Z	3.037	2.75
72	MP3B	Mx	0.026	2.75
73	MP3C	X	-5.261	2.75
74	MP3C	Z	3.037	2.75
75	MP3C	Mx	-0.026	2.75

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-3.681	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	0.002	2.5
4	MP4A	X	-3.681	4.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
5	MP4A	Z	0	4.5
6	MP4A	Mx	0.002	4.5
7	MP5B	X	-6.198	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	-0.002	2.5
10	MP5B	X	-6.198	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	-0.002	4.5
13	MP5C	X	-7.037	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	-7.037	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	-14.155	1
20	MP2A	Z	0	1
21	MP2A	Mx	0.007	1
22	MP2A	X	-14.155	6
23	MP2A	Z	0	6
24	MP2A	Mx	0.007	6
25	MP2A	X	-14.155	1
26	MP2A	Z	0	1
27	MP2A	Mx	0.007	1
28	MP2A	X	-14.155	6
29	MP2A	Z	0	6
30	MP2A	Mx	0.007	6
31	MP3B	X	-19.227	1
32	MP3B	Z	0	1
33	MP3B	Mx	0.005	1
34	MP3B	X	-19.227	6
35	MP3B	Z	0	6
36	MP3B	Mx	0.005	6
37	MP3C	X	-20.918	1
38	MP3C	Z	0	1
39	MP3C	Mx	-0.012	1
40	MP3C	X	-20.918	6
41	MP3C	Z	0	6
42	MP3C	Mx	-0.012	6
43	MP3B	X	-19.227	1
44	MP3B	Z	0	1
45	MP3B	Mx	-0.015	1
46	MP3B	X	-19.227	6
47	MP3B	Z	0	6
48	MP3B	Mx	-0.015	6
49	MP3C	X	-20.918	1
50	MP3C	Z	0	1
51	MP3C	Mx	0.012	1
52	MP3C	X	-20.918	6
53	MP3C	Z	0	6
54	MP3C	Mx	0.012	6
55	OVP1	X	-13.582	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-10.038	2.75
59	MP2A	Z	0	2.75

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
60	MP2A	Mx	-0.01	2.75
61	MP3B	X	-4.639	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	0.002	2.75
64	MP3C	X	-4.639	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	-0.002	2.75
67	MP2A	X	-10.038	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	-0.094	2.75
70	MP3B	X	-4.754	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	-0.002	2.75
73	MP3C	X	-4.754	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	0.002	2.75

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-3.915	2.5
2	MP4A	Z	-2.26	2.5
3	MP4A	Mx	0.002	2.5
4	MP4A	X	-3.915	4.5
5	MP4A	Z	-2.26	4.5
6	MP4A	Mx	0.002	4.5
7	MP5B	X	-6.094	2.5
8	MP5B	Z	-3.518	2.5
9	MP5B	Mx	0	2.5
10	MP5B	X	-6.094	4.5
11	MP5B	Z	-3.518	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	-5.368	2.5
14	MP5C	Z	-3.099	2.5
15	MP5C	Mx	-0.002	2.5
16	MP5C	X	-5.368	4.5
17	MP5C	Z	-3.099	4.5
18	MP5C	Mx	-0.002	4.5
19	MP2A	X	-13.723	1
20	MP2A	Z	-7.923	1
21	MP2A	Mx	0.002	1
22	MP2A	X	-13.723	6
23	MP2A	Z	-7.923	6
24	MP2A	Mx	0.002	6
25	MP2A	X	-13.723	1
26	MP2A	Z	-7.923	1
27	MP2A	Mx	0.011	1
28	MP2A	X	-13.723	6
29	MP2A	Z	-7.923	6
30	MP2A	Mx	0.011	6
31	MP3B	X	-18.115	1
32	MP3B	Z	-10.459	1
33	MP3B	Mx	0.012	1
34	MP3B	X	-18.115	6
35	MP3B	Z	-10.459	6
36	MP3B	Mx	0.012	6

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
37	MP3C	X	-16.651	1
38	MP3C	Z	-9.614	1
39	MP3C	Mx	-0.015	1
40	MP3C	X	-16.651	6
41	MP3C	Z	-9.614	6
42	MP3C	Mx	-0.015	6
43	MP3B	X	-18.115	1
44	MP3B	Z	-10.459	1
45	MP3B	Mx	-0.012	1
46	MP3B	X	-18.115	6
47	MP3B	Z	-10.459	6
48	MP3B	Mx	-0.012	6
49	MP3C	X	-16.651	1
50	MP3C	Z	-9.614	1
51	MP3C	Mx	0.005	1
52	MP3C	X	-16.651	6
53	MP3C	Z	-9.614	6
54	MP3C	Mx	0.005	6
55	OVP1	X	-12.917	1
56	OVP1	Z	-7.458	1
57	OVP1	Mx	0	1
58	MP2A	X	-7.524	2.75
59	MP2A	Z	-4.344	2.75
60	MP2A	Mx	-0.01	2.75
61	MP3B	X	-5.187	2.75
62	MP3B	Z	-2.994	2.75
63	MP3B	Mx	-0.000401	2.75
64	MP3C	X	-5.187	2.75
65	MP3C	Z	-2.994	2.75
66	MP3C	Mx	0.000401	2.75
67	MP2A	X	-7.549	2.75
68	MP2A	Z	-4.358	2.75
69	MP2A	Mx	-0.068	2.75
70	MP3B	X	-5.261	2.75
71	MP3B	Z	-3.037	2.75
72	MP3B	Mx	-0.031	2.75
73	MP3C	X	-5.261	2.75
74	MP3C	Z	-3.037	2.75
75	MP3C	Mx	0.031	2.75

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-3.099	2.5
2	MP4A	Z	-5.368	2.5
3	MP4A	Mx	0.002	2.5
4	MP4A	X	-3.099	4.5
5	MP4A	Z	-5.368	4.5
6	MP4A	Mx	0.002	4.5
7	MP5B	X	-3.099	2.5
8	MP5B	Z	-5.368	2.5
9	MP5B	Mx	0.002	2.5
10	MP5B	X	-3.099	4.5
11	MP5B	Z	-5.368	4.5
12	MP5B	Mx	0.002	4.5
13	MP5C	X	-2.26	2.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
14	MP5C	Z	-3.915	2.5
15	MP5C	Mx	-0.002	2.5
16	MP5C	X	-2.26	4.5
17	MP5C	Z	-3.915	4.5
18	MP5C	Mx	-0.002	4.5
19	MP2A	X	-9.614	1
20	MP2A	Z	-16.651	1
21	MP2A	Mx	-0.005	1
22	MP2A	X	-9.614	6
23	MP2A	Z	-16.651	6
24	MP2A	Mx	-0.005	6
25	MP2A	X	-9.614	1
26	MP2A	Z	-16.651	1
27	MP2A	Mx	0.015	1
28	MP2A	X	-9.614	6
29	MP2A	Z	-16.651	6
30	MP2A	Mx	0.015	6
31	MP3B	X	-9.614	1
32	MP3B	Z	-16.651	1
33	MP3B	Mx	0.015	1
34	MP3B	X	-9.614	6
35	MP3B	Z	-16.651	6
36	MP3B	Mx	0.015	6
37	MP3C	X	-7.923	1
38	MP3C	Z	-13.723	1
39	MP3C	Mx	-0.011	1
40	MP3C	X	-7.923	6
41	MP3C	Z	-13.723	6
42	MP3C	Mx	-0.011	6
43	MP3B	X	-9.614	1
44	MP3B	Z	-16.651	1
45	MP3B	Mx	-0.005	1
46	MP3B	X	-9.614	6
47	MP3B	Z	-16.651	6
48	MP3B	Mx	-0.005	6
49	MP3C	X	-7.923	1
50	MP3C	Z	-13.723	1
51	MP3C	Mx	-0.002	1
52	MP3C	X	-7.923	6
53	MP3C	Z	-13.723	6
54	MP3C	Mx	-0.002	6
55	OVP1	X	-7.307	1
56	OVP1	Z	-12.656	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.994	2.75
59	MP2A	Z	-5.187	2.75
60	MP2A	Mx	-0.006	2.75
61	MP3B	X	-4.344	2.75
62	MP3B	Z	-7.524	2.75
63	MP3B	Mx	-0.005	2.75
64	MP3C	X	-4.344	2.75
65	MP3C	Z	-7.524	2.75
66	MP3C	Mx	0.005	2.75
67	MP2A	X	-3.037	2.75
68	MP2A	Z	-5.261	2.75

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
69	MP2A	Mx	-0.026	2.75
70	MP3B	X	-4.358	2.75
71	MP3B	Z	-7.549	2.75
72	MP3B	Mx	-0.073	2.75
73	MP3C	X	-4.358	2.75
74	MP3C	Z	-7.549	2.75
75	MP3C	Mx	0.073	2.75

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	-3.556	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	-3.556	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	-2.223	2.5
9	MP5B	Mx	0.000963	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	-2.223	4.5
12	MP5B	Mx	0.000963	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	-1.778	2.5
15	MP5C	Mx	-0.000889	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	-1.778	4.5
18	MP5C	Mx	-0.000889	4.5
19	MP2A	X	0	1
20	MP2A	Z	-11.467	1
21	MP2A	Mx	-0.007	1
22	MP2A	X	0	6
23	MP2A	Z	-11.467	6
24	MP2A	Mx	-0.007	6
25	MP2A	X	0	1
26	MP2A	Z	-11.467	1
27	MP2A	Mx	0.007	1
28	MP2A	X	0	6
29	MP2A	Z	-11.467	6
30	MP2A	Mx	0.007	6
31	MP3B	X	0	1
32	MP3B	Z	-8.667	1
33	MP3B	Mx	0.006	1
34	MP3B	X	0	6
35	MP3B	Z	-8.667	6
36	MP3B	Mx	0.006	6
37	MP3C	X	0	1
38	MP3C	Z	-7.734	1
39	MP3C	Mx	-0.004	1
40	MP3C	X	0	6
41	MP3C	Z	-7.734	6
42	MP3C	Mx	-0.004	6
43	MP3B	X	0	1
44	MP3B	Z	-8.667	1
45	MP3B	Mx	0.001	1

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
46	MP3B	X	0	6
47	MP3B	Z	-8.667	6
48	MP3B	Mx	0.001	6
49	MP3C	X	0	1
50	MP3C	Z	-7.734	1
51	MP3C	Mx	-0.004	1
52	MP3C	X	0	6
53	MP3C	Z	-7.734	6
54	MP3C	Mx	-0.004	6
55	OVP1	X	0	1
56	OVP1	Z	-5.504	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	-4.829	2.75
60	MP2A	Mx	-0.002	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	-2.202	2.75
63	MP3B	Mx	-0.002	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	-2.202	2.75
66	MP3C	Mx	0.002	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	-4.829	2.75
69	MP2A	Mx	0.002	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	-2.202	2.75
72	MP3B	Mx	-0.021	2.75
73	MP3C	X	0	2.75
74	MP3C	Z	-2.202	2.75
75	MP3C	Mx	0.021	2.75

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.556	2.5
2	MP4A	Z	-2.695	2.5
3	MP4A	Mx	-0.000778	2.5
4	MP4A	X	1.556	4.5
5	MP4A	Z	-2.695	4.5
6	MP4A	Mx	-0.000778	4.5
7	MP5B	X	0.889	2.5
8	MP5B	Z	-1.54	2.5
9	MP5B	Mx	0.000889	2.5
10	MP5B	X	0.889	4.5
11	MP5B	Z	-1.54	4.5
12	MP5B	Mx	0.000889	4.5
13	MP5C	X	1.111	2.5
14	MP5C	Z	-1.925	2.5
15	MP5C	Mx	-0.000962	2.5
16	MP5C	X	1.111	4.5
17	MP5C	Z	-1.925	4.5
18	MP5C	Mx	-0.000962	4.5
19	MP2A	X	5.267	1
20	MP2A	Z	-9.122	1
21	MP2A	Mx	-0.008	1
22	MP2A	X	5.267	6

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
23	MP2A	Z	-9.122	6
24	MP2A	Mx	-0.008	6
25	MP2A	X	5.267	1
26	MP2A	Z	-9.122	1
27	MP2A	Mx	0.003	1
28	MP2A	X	5.267	6
29	MP2A	Z	-9.122	6
30	MP2A	Mx	0.003	6
31	MP3B	X	3.867	1
32	MP3B	Z	-6.698	1
33	MP3B	Mx	0.004	1
34	MP3B	X	3.867	6
35	MP3B	Z	-6.698	6
36	MP3B	Mx	0.004	6
37	MP3C	X	4.334	1
38	MP3C	Z	-7.506	1
39	MP3C	Mx	-0.001	1
40	MP3C	X	4.334	6
41	MP3C	Z	-7.506	6
42	MP3C	Mx	-0.001	6
43	MP3B	X	3.867	1
44	MP3B	Z	-6.698	1
45	MP3B	Mx	0.004	1
46	MP3B	X	3.867	6
47	MP3B	Z	-6.698	6
48	MP3B	Mx	0.004	6
49	MP3C	X	4.334	1
50	MP3C	Z	-7.506	1
51	MP3C	Mx	-0.006	1
52	MP3C	X	4.334	6
53	MP3C	Z	-7.506	6
54	MP3C	Mx	-0.006	6
55	OVP1	X	2.458	1
56	OVP1	Z	-4.257	1
57	OVP1	Mx	0	1
58	MP2A	X	2.086	2.75
59	MP2A	Z	-3.613	2.75
60	MP2A	Mx	0.000279	2.75
61	MP3B	X	1.43	2.75
62	MP3B	Z	-2.476	2.75
63	MP3B	Mx	-0.003	2.75
64	MP3C	X	1.43	2.75
65	MP3C	Z	-2.476	2.75
66	MP3C	Mx	0.003	2.75
67	MP2A	X	2.086	2.75
68	MP2A	Z	-3.613	2.75
69	MP2A	Mx	0.021	2.75
70	MP3B	X	1.43	2.75
71	MP3B	Z	-2.476	2.75
72	MP3B	Mx	-0.022	2.75
73	MP3C	X	1.43	2.75
74	MP3C	Z	-2.476	2.75
75	MP3C	Mx	0.022	2.75

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.925	2.5
2	MP4A	Z	-1.111	2.5
3	MP4A	Mx	-0.000962	2.5
4	MP4A	X	1.925	4.5
5	MP4A	Z	-1.111	4.5
6	MP4A	Mx	-0.000962	4.5
7	MP5B	X	1.925	2.5
8	MP5B	Z	-1.111	2.5
9	MP5B	Mx	0.000962	2.5
10	MP5B	X	1.925	4.5
11	MP5B	Z	-1.111	4.5
12	MP5B	Mx	0.000962	4.5
13	MP5C	X	2.695	2.5
14	MP5C	Z	-1.556	2.5
15	MP5C	Mx	-0.000778	2.5
16	MP5C	X	2.695	4.5
17	MP5C	Z	-1.556	4.5
18	MP5C	Mx	-0.000778	4.5
19	MP2A	X	7.506	1
20	MP2A	Z	-4.334	1
21	MP2A	Mx	-0.006	1
22	MP2A	X	7.506	6
23	MP2A	Z	-4.334	6
24	MP2A	Mx	-0.006	6
25	MP2A	X	7.506	1
26	MP2A	Z	-4.334	1
27	MP2A	Mx	-0.001	1
28	MP2A	X	7.506	6
29	MP2A	Z	-4.334	6
30	MP2A	Mx	-0.001	6
31	MP3B	X	7.506	1
32	MP3B	Z	-4.334	1
33	MP3B	Mx	0.001	1
34	MP3B	X	7.506	6
35	MP3B	Z	-4.334	6
36	MP3B	Mx	0.001	6
37	MP3C	X	9.122	1
38	MP3C	Z	-5.267	1
39	MP3C	Mx	0.003	1
40	MP3C	X	9.122	6
41	MP3C	Z	-5.267	6
42	MP3C	Mx	0.003	6
43	MP3B	X	7.506	1
44	MP3B	Z	-4.334	1
45	MP3B	Mx	0.006	1
46	MP3B	X	7.506	6
47	MP3B	Z	-4.334	6
48	MP3B	Mx	0.006	6
49	MP3C	X	9.122	1
50	MP3C	Z	-5.267	1
51	MP3C	Mx	-0.008	1
52	MP3C	X	9.122	6
53	MP3C	Z	-5.267	6
54	MP3C	Mx	-0.008	6
55	OVP1	X	4.373	1

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	OVP1	Z	-2.525	1
57	OVP1	Mx	0	1
58	MP2A	X	2.476	2.75
59	MP2A	Z	-1.43	2.75
60	MP2A	Mx	0.002	2.75
61	MP3B	X	3.613	2.75
62	MP3B	Z	-2.086	2.75
63	MP3B	Mx	-0.004	2.75
64	MP3C	X	3.613	2.75
65	MP3C	Z	-2.086	2.75
66	MP3C	Mx	0.004	2.75
67	MP2A	X	2.476	2.75
68	MP2A	Z	-1.43	2.75
69	MP2A	Mx	0.024	2.75
70	MP3B	X	3.613	2.75
71	MP3B	Z	-2.086	2.75
72	MP3B	Mx	-0.018	2.75
73	MP3C	X	3.613	2.75
74	MP3C	Z	-2.086	2.75
75	MP3C	Mx	0.018	2.75

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.778	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	-0.000889	2.5
4	MP4A	X	1.778	4.5
5	MP4A	Z	0	4.5
6	MP4A	Mx	-0.000889	4.5
7	MP5B	X	3.112	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	0.000778	2.5
10	MP5B	X	3.112	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	0.000778	4.5
13	MP5C	X	3.556	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	3.556	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	7.734	1
20	MP2A	Z	0	1
21	MP2A	Mx	-0.004	1
22	MP2A	X	7.734	6
23	MP2A	Z	0	6
24	MP2A	Mx	-0.004	6
25	MP2A	X	7.734	1
26	MP2A	Z	0	1
27	MP2A	Mx	-0.004	1
28	MP2A	X	7.734	6
29	MP2A	Z	0	6
30	MP2A	Mx	-0.004	6
31	MP3B	X	10.534	1
32	MP3B	Z	0	1

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
33	MP3B	Mx	-0.003	1
34	MP3B	X	10.534	6
35	MP3B	Z	0	6
36	MP3B	Mx	-0.003	6
37	MP3C	X	11.467	1
38	MP3C	Z	0	1
39	MP3C	Mx	0.007	1
40	MP3C	X	11.467	6
41	MP3C	Z	0	6
42	MP3C	Mx	0.007	6
43	MP3B	X	10.534	1
44	MP3B	Z	0	1
45	MP3B	Mx	0.008	1
46	MP3B	X	10.534	6
47	MP3B	Z	0	6
48	MP3B	Mx	0.008	6
49	MP3C	X	11.467	1
50	MP3C	Z	0	1
51	MP3C	Mx	-0.007	1
52	MP3C	X	11.467	6
53	MP3C	Z	0	6
54	MP3C	Mx	-0.007	6
55	OVP1	X	5.771	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	2.202	2.75
59	MP2A	Z	0	2.75
60	MP2A	Mx	0.002	2.75
61	MP3B	X	4.829	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	-0.002	2.75
64	MP3C	X	4.829	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	0.002	2.75
67	MP2A	X	2.202	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	0.021	2.75
70	MP3B	X	4.829	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	0.002	2.75
73	MP3C	X	4.829	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	-0.002	2.75

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.925	2.5
2	MP4A	Z	1.111	2.5
3	MP4A	Mx	-0.000962	2.5
4	MP4A	X	1.925	4.5
5	MP4A	Z	1.111	4.5
6	MP4A	Mx	-0.000962	4.5
7	MP5B	X	3.08	2.5
8	MP5B	Z	1.778	2.5
9	MP5B	Mx	0	2.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
10	MP5B	X	3.08	4.5
11	MP5B	Z	1.778	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	2.695	2.5
14	MP5C	Z	1.556	2.5
15	MP5C	Mx	0.000778	2.5
16	MP5C	X	2.695	4.5
17	MP5C	Z	1.556	4.5
18	MP5C	Mx	0.000778	4.5
19	MP2A	X	7.506	1
20	MP2A	Z	4.334	1
21	MP2A	Mx	-0.001	1
22	MP2A	X	7.506	6
23	MP2A	Z	4.334	6
24	MP2A	Mx	-0.001	6
25	MP2A	X	7.506	1
26	MP2A	Z	4.334	1
27	MP2A	Mx	-0.006	1
28	MP2A	X	7.506	6
29	MP2A	Z	4.334	6
30	MP2A	Mx	-0.006	6
31	MP3B	X	9.93	1
32	MP3B	Z	5.733	1
33	MP3B	Mx	-0.007	1
34	MP3B	X	9.93	6
35	MP3B	Z	5.733	6
36	MP3B	Mx	-0.007	6
37	MP3C	X	9.122	1
38	MP3C	Z	5.267	1
39	MP3C	Mx	0.008	1
40	MP3C	X	9.122	6
41	MP3C	Z	5.267	6
42	MP3C	Mx	0.008	6
43	MP3B	X	9.93	1
44	MP3B	Z	5.733	1
45	MP3B	Mx	0.007	1
46	MP3B	X	9.93	6
47	MP3B	Z	5.733	6
48	MP3B	Mx	0.007	6
49	MP3C	X	9.122	1
50	MP3C	Z	5.267	1
51	MP3C	Mx	-0.003	1
52	MP3C	X	9.122	6
53	MP3C	Z	5.267	6
54	MP3C	Mx	-0.003	6
55	OVP1	X	5.507	1
56	OVP1	Z	3.179	1
57	OVP1	Mx	0	1
58	MP2A	X	2.476	2.75
59	MP2A	Z	1.43	2.75
60	MP2A	Mx	0.003	2.75
61	MP3B	X	3.613	2.75
62	MP3B	Z	2.086	2.75
63	MP3B	Mx	0.000279	2.75
64	MP3C	X	3.613	2.75

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
65	MP3C	Z	2.086	2.75
66	MP3C	Mx	-0.000279	2.75
67	MP2A	X	2.476	2.75
68	MP2A	Z	1.43	2.75
69	MP2A	Mx	0.022	2.75
70	MP3B	X	3.613	2.75
71	MP3B	Z	2.086	2.75
72	MP3B	Mx	0.021	2.75
73	MP3C	X	3.613	2.75
74	MP3C	Z	2.086	2.75
75	MP3C	Mx	-0.021	2.75

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.556	2.5
2	MP4A	Z	2.695	2.5
3	MP4A	Mx	-0.000778	2.5
4	MP4A	X	1.556	4.5
5	MP4A	Z	2.695	4.5
6	MP4A	Mx	-0.000778	4.5
7	MP5B	X	1.556	2.5
8	MP5B	Z	2.695	2.5
9	MP5B	Mx	-0.000778	2.5
10	MP5B	X	1.556	4.5
11	MP5B	Z	2.695	4.5
12	MP5B	Mx	-0.000778	4.5
13	MP5C	X	1.111	2.5
14	MP5C	Z	1.925	2.5
15	MP5C	Mx	0.000962	2.5
16	MP5C	X	1.111	4.5
17	MP5C	Z	1.925	4.5
18	MP5C	Mx	0.000962	4.5
19	MP2A	X	5.267	1
20	MP2A	Z	9.122	1
21	MP2A	Mx	0.003	1
22	MP2A	X	5.267	6
23	MP2A	Z	9.122	6
24	MP2A	Mx	0.003	6
25	MP2A	X	5.267	1
26	MP2A	Z	9.122	1
27	MP2A	Mx	-0.008	1
28	MP2A	X	5.267	6
29	MP2A	Z	9.122	6
30	MP2A	Mx	-0.008	6
31	MP3B	X	5.267	1
32	MP3B	Z	9.122	1
33	MP3B	Mx	-0.008	1
34	MP3B	X	5.267	6
35	MP3B	Z	9.122	6
36	MP3B	Mx	-0.008	6
37	MP3C	X	4.334	1
38	MP3C	Z	7.506	1
39	MP3C	Mx	0.006	1
40	MP3C	X	4.334	6
41	MP3C	Z	7.506	6

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
42	MP3C	Mx	0.006	6
43	MP3B	X	5.267	1
44	MP3B	Z	9.122	1
45	MP3B	Mx	0.003	1
46	MP3B	X	5.267	6
47	MP3B	Z	9.122	6
48	MP3B	Mx	0.003	6
49	MP3C	X	4.334	1
50	MP3C	Z	7.506	1
51	MP3C	Mx	0.001	1
52	MP3C	X	4.334	6
53	MP3C	Z	7.506	6
54	MP3C	Mx	0.001	6
55	OVP1	X	3.113	1
56	OVP1	Z	5.391	1
57	OVP1	Mx	0	1
58	MP2A	X	2.086	2.75
59	MP2A	Z	3.613	2.75
60	MP2A	Mx	0.004	2.75
61	MP3B	X	1.43	2.75
62	MP3B	Z	2.476	2.75
63	MP3B	Mx	0.002	2.75
64	MP3C	X	1.43	2.75
65	MP3C	Z	2.476	2.75
66	MP3C	Mx	-0.002	2.75
67	MP2A	X	2.086	2.75
68	MP2A	Z	3.613	2.75
69	MP2A	Mx	0.018	2.75
70	MP3B	X	1.43	2.75
71	MP3B	Z	2.476	2.75
72	MP3B	Mx	0.024	2.75
73	MP3C	X	1.43	2.75
74	MP3C	Z	2.476	2.75
75	MP3C	Mx	-0.024	2.75

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	0	2.5
2	MP4A	Z	3.556	2.5
3	MP4A	Mx	0	2.5
4	MP4A	X	0	4.5
5	MP4A	Z	3.556	4.5
6	MP4A	Mx	0	4.5
7	MP5B	X	0	2.5
8	MP5B	Z	2.223	2.5
9	MP5B	Mx	-0.000963	2.5
10	MP5B	X	0	4.5
11	MP5B	Z	2.223	4.5
12	MP5B	Mx	-0.000963	4.5
13	MP5C	X	0	2.5
14	MP5C	Z	1.778	2.5
15	MP5C	Mx	0.000889	2.5
16	MP5C	X	0	4.5
17	MP5C	Z	1.778	4.5
18	MP5C	Mx	0.000889	4.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
19	MP2A	X	0	1
20	MP2A	Z	11.467	1
21	MP2A	Mx	0.007	1
22	MP2A	X	0	6
23	MP2A	Z	11.467	6
24	MP2A	Mx	0.007	6
25	MP2A	X	0	1
26	MP2A	Z	11.467	1
27	MP2A	Mx	-0.007	1
28	MP2A	X	0	6
29	MP2A	Z	11.467	6
30	MP2A	Mx	-0.007	6
31	MP3B	X	0	1
32	MP3B	Z	8.667	1
33	MP3B	Mx	-0.006	1
34	MP3B	X	0	6
35	MP3B	Z	8.667	6
36	MP3B	Mx	-0.006	6
37	MP3C	X	0	1
38	MP3C	Z	7.734	1
39	MP3C	Mx	0.004	1
40	MP3C	X	0	6
41	MP3C	Z	7.734	6
42	MP3C	Mx	0.004	6
43	MP3B	X	0	1
44	MP3B	Z	8.667	1
45	MP3B	Mx	-0.001	1
46	MP3B	X	0	6
47	MP3B	Z	8.667	6
48	MP3B	Mx	-0.001	6
49	MP3C	X	0	1
50	MP3C	Z	7.734	1
51	MP3C	Mx	0.004	1
52	MP3C	X	0	6
53	MP3C	Z	7.734	6
54	MP3C	Mx	0.004	6
55	OVP1	X	0	1
56	OVP1	Z	5.504	1
57	OVP1	Mx	0	1
58	MP2A	X	0	2.75
59	MP2A	Z	4.829	2.75
60	MP2A	Mx	0.002	2.75
61	MP3B	X	0	2.75
62	MP3B	Z	2.202	2.75
63	MP3B	Mx	0.002	2.75
64	MP3C	X	0	2.75
65	MP3C	Z	2.202	2.75
66	MP3C	Mx	-0.002	2.75
67	MP2A	X	0	2.75
68	MP2A	Z	4.829	2.75
69	MP2A	Mx	-0.002	2.75
70	MP3B	X	0	2.75
71	MP3B	Z	2.202	2.75
72	MP3B	Mx	0.021	2.75
73	MP3C	X	0	2.75

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
74	MP3C	Z	2.202	2.75
75	MP3C	Mx	-0.021	2.75

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-1.556	2.5
2	MP4A	Z	2.695	2.5
3	MP4A	Mx	0.000778	2.5
4	MP4A	X	-1.556	4.5
5	MP4A	Z	2.695	4.5
6	MP4A	Mx	0.000778	4.5
7	MP5B	X	-0.889	2.5
8	MP5B	Z	1.54	2.5
9	MP5B	Mx	-0.000889	2.5
10	MP5B	X	-0.889	4.5
11	MP5B	Z	1.54	4.5
12	MP5B	Mx	-0.000889	4.5
13	MP5C	X	-1.111	2.5
14	MP5C	Z	1.925	2.5
15	MP5C	Mx	0.000962	2.5
16	MP5C	X	-1.111	4.5
17	MP5C	Z	1.925	4.5
18	MP5C	Mx	0.000962	4.5
19	MP2A	X	-5.267	1
20	MP2A	Z	9.122	1
21	MP2A	Mx	0.008	1
22	MP2A	X	-5.267	6
23	MP2A	Z	9.122	6
24	MP2A	Mx	0.008	6
25	MP2A	X	-5.267	1
26	MP2A	Z	9.122	1
27	MP2A	Mx	-0.003	1
28	MP2A	X	-5.267	6
29	MP2A	Z	9.122	6
30	MP2A	Mx	-0.003	6
31	MP3B	X	-3.867	1
32	MP3B	Z	6.698	1
33	MP3B	Mx	-0.004	1
34	MP3B	X	-3.867	6
35	MP3B	Z	6.698	6
36	MP3B	Mx	-0.004	6
37	MP3C	X	-4.334	1
38	MP3C	Z	7.506	1
39	MP3C	Mx	0.001	1
40	MP3C	X	-4.334	6
41	MP3C	Z	7.506	6
42	MP3C	Mx	0.001	6
43	MP3B	X	-3.867	1
44	MP3B	Z	6.698	1
45	MP3B	Mx	-0.004	1
46	MP3B	X	-3.867	6
47	MP3B	Z	6.698	6
48	MP3B	Mx	-0.004	6
49	MP3C	X	-4.334	1
50	MP3C	Z	7.506	1

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
51	MP3C	Mx	0.006	1
52	MP3C	X	-4.334	6
53	MP3C	Z	7.506	6
54	MP3C	Mx	0.006	6
55	OVP1	X	-2.458	1
56	OVP1	Z	4.257	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.086	2.75
59	MP2A	Z	3.613	2.75
60	MP2A	Mx	-0.000279	2.75
61	MP3B	X	-1.43	2.75
62	MP3B	Z	2.476	2.75
63	MP3B	Mx	0.003	2.75
64	MP3C	X	-1.43	2.75
65	MP3C	Z	2.476	2.75
66	MP3C	Mx	-0.003	2.75
67	MP2A	X	-2.086	2.75
68	MP2A	Z	3.613	2.75
69	MP2A	Mx	-0.021	2.75
70	MP3B	X	-1.43	2.75
71	MP3B	Z	2.476	2.75
72	MP3B	Mx	0.022	2.75
73	MP3C	X	-1.43	2.75
74	MP3C	Z	2.476	2.75
75	MP3C	Mx	-0.022	2.75

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-1.925	2.5
2	MP4A	Z	1.111	2.5
3	MP4A	Mx	0.000962	2.5
4	MP4A	X	-1.925	4.5
5	MP4A	Z	1.111	4.5
6	MP4A	Mx	0.000962	4.5
7	MP5B	X	-1.925	2.5
8	MP5B	Z	1.111	2.5
9	MP5B	Mx	-0.000962	2.5
10	MP5B	X	-1.925	4.5
11	MP5B	Z	1.111	4.5
12	MP5B	Mx	-0.000962	4.5
13	MP5C	X	-2.695	2.5
14	MP5C	Z	1.556	2.5
15	MP5C	Mx	0.000778	2.5
16	MP5C	X	-2.695	4.5
17	MP5C	Z	1.556	4.5
18	MP5C	Mx	0.000778	4.5
19	MP2A	X	-7.506	1
20	MP2A	Z	4.334	1
21	MP2A	Mx	0.006	1
22	MP2A	X	-7.506	6
23	MP2A	Z	4.334	6
24	MP2A	Mx	0.006	6
25	MP2A	X	-7.506	1
26	MP2A	Z	4.334	1
27	MP2A	Mx	0.001	1

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
28	MP2A	X	-7.506	6
29	MP2A	Z	4.334	6
30	MP2A	Mx	0.001	6
31	MP3B	X	-7.506	1
32	MP3B	Z	4.334	1
33	MP3B	Mx	-0.001	1
34	MP3B	X	-7.506	6
35	MP3B	Z	4.334	6
36	MP3B	Mx	-0.001	6
37	MP3C	X	-9.122	1
38	MP3C	Z	5.267	1
39	MP3C	Mx	-0.003	1
40	MP3C	X	-9.122	6
41	MP3C	Z	5.267	6
42	MP3C	Mx	-0.003	6
43	MP3B	X	-7.506	1
44	MP3B	Z	4.334	1
45	MP3B	Mx	-0.006	1
46	MP3B	X	-7.506	6
47	MP3B	Z	4.334	6
48	MP3B	Mx	-0.006	6
49	MP3C	X	-9.122	1
50	MP3C	Z	5.267	1
51	MP3C	Mx	0.008	1
52	MP3C	X	-9.122	6
53	MP3C	Z	5.267	6
54	MP3C	Mx	0.008	6
55	OVP1	X	-4.373	1
56	OVP1	Z	2.525	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.476	2.75
59	MP2A	Z	1.43	2.75
60	MP2A	Mx	-0.002	2.75
61	MP3B	X	-3.613	2.75
62	MP3B	Z	2.086	2.75
63	MP3B	Mx	0.004	2.75
64	MP3C	X	-3.613	2.75
65	MP3C	Z	2.086	2.75
66	MP3C	Mx	-0.004	2.75
67	MP2A	X	-2.476	2.75
68	MP2A	Z	1.43	2.75
69	MP2A	Mx	-0.024	2.75
70	MP3B	X	-3.613	2.75
71	MP3B	Z	2.086	2.75
72	MP3B	Mx	0.018	2.75
73	MP3C	X	-3.613	2.75
74	MP3C	Z	2.086	2.75
75	MP3C	Mx	-0.018	2.75

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-1.778	2.5
2	MP4A	Z	0	2.5
3	MP4A	Mx	0.000889	2.5
4	MP4A	X	-1.778	4.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
5	MP4A	Z	0	4.5
6	MP4A	Mx	0.000889	4.5
7	MP5B	X	-3.112	2.5
8	MP5B	Z	0	2.5
9	MP5B	Mx	-0.000778	2.5
10	MP5B	X	-3.112	4.5
11	MP5B	Z	0	4.5
12	MP5B	Mx	-0.000778	4.5
13	MP5C	X	-3.556	2.5
14	MP5C	Z	0	2.5
15	MP5C	Mx	0	2.5
16	MP5C	X	-3.556	4.5
17	MP5C	Z	0	4.5
18	MP5C	Mx	0	4.5
19	MP2A	X	-7.734	1
20	MP2A	Z	0	1
21	MP2A	Mx	0.004	1
22	MP2A	X	-7.734	6
23	MP2A	Z	0	6
24	MP2A	Mx	0.004	6
25	MP2A	X	-7.734	1
26	MP2A	Z	0	1
27	MP2A	Mx	0.004	1
28	MP2A	X	-7.734	6
29	MP2A	Z	0	6
30	MP2A	Mx	0.004	6
31	MP3B	X	-10.534	1
32	MP3B	Z	0	1
33	MP3B	Mx	0.003	1
34	MP3B	X	-10.534	6
35	MP3B	Z	0	6
36	MP3B	Mx	0.003	6
37	MP3C	X	-11.467	1
38	MP3C	Z	0	1
39	MP3C	Mx	-0.007	1
40	MP3C	X	-11.467	6
41	MP3C	Z	0	6
42	MP3C	Mx	-0.007	6
43	MP3B	X	-10.534	1
44	MP3B	Z	0	1
45	MP3B	Mx	-0.008	1
46	MP3B	X	-10.534	6
47	MP3B	Z	0	6
48	MP3B	Mx	-0.008	6
49	MP3C	X	-11.467	1
50	MP3C	Z	0	1
51	MP3C	Mx	0.007	1
52	MP3C	X	-11.467	6
53	MP3C	Z	0	6
54	MP3C	Mx	0.007	6
55	OVP1	X	-5.771	1
56	OVP1	Z	0	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.202	2.75
59	MP2A	Z	0	2.75

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
60	MP2A	Mx	-0.002	2.75
61	MP3B	X	-4.829	2.75
62	MP3B	Z	0	2.75
63	MP3B	Mx	0.002	2.75
64	MP3C	X	-4.829	2.75
65	MP3C	Z	0	2.75
66	MP3C	Mx	-0.002	2.75
67	MP2A	X	-2.202	2.75
68	MP2A	Z	0	2.75
69	MP2A	Mx	-0.021	2.75
70	MP3B	X	-4.829	2.75
71	MP3B	Z	0	2.75
72	MP3B	Mx	-0.002	2.75
73	MP3C	X	-4.829	2.75
74	MP3C	Z	0	2.75
75	MP3C	Mx	0.002	2.75

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-1.925	2.5
2	MP4A	Z	-1.111	2.5
3	MP4A	Mx	0.000962	2.5
4	MP4A	X	-1.925	4.5
5	MP4A	Z	-1.111	4.5
6	MP4A	Mx	0.000962	4.5
7	MP5B	X	-3.08	2.5
8	MP5B	Z	-1.778	2.5
9	MP5B	Mx	0	2.5
10	MP5B	X	-3.08	4.5
11	MP5B	Z	-1.778	4.5
12	MP5B	Mx	0	4.5
13	MP5C	X	-2.695	2.5
14	MP5C	Z	-1.556	2.5
15	MP5C	Mx	-0.000778	2.5
16	MP5C	X	-2.695	4.5
17	MP5C	Z	-1.556	4.5
18	MP5C	Mx	-0.000778	4.5
19	MP2A	X	-7.506	1
20	MP2A	Z	-4.334	1
21	MP2A	Mx	0.001	1
22	MP2A	X	-7.506	6
23	MP2A	Z	-4.334	6
24	MP2A	Mx	0.001	6
25	MP2A	X	-7.506	1
26	MP2A	Z	-4.334	1
27	MP2A	Mx	0.006	1
28	MP2A	X	-7.506	6
29	MP2A	Z	-4.334	6
30	MP2A	Mx	0.006	6
31	MP3B	X	-9.93	1
32	MP3B	Z	-5.733	1
33	MP3B	Mx	0.007	1
34	MP3B	X	-9.93	6
35	MP3B	Z	-5.733	6
36	MP3B	Mx	0.007	6

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
37	MP3C	X	-9.122	1
38	MP3C	Z	-5.267	1
39	MP3C	Mx	-0.008	1
40	MP3C	X	-9.122	6
41	MP3C	Z	-5.267	6
42	MP3C	Mx	-0.008	6
43	MP3B	X	-9.93	1
44	MP3B	Z	-5.733	1
45	MP3B	Mx	-0.007	1
46	MP3B	X	-9.93	6
47	MP3B	Z	-5.733	6
48	MP3B	Mx	-0.007	6
49	MP3C	X	-9.122	1
50	MP3C	Z	-5.267	1
51	MP3C	Mx	0.003	1
52	MP3C	X	-9.122	6
53	MP3C	Z	-5.267	6
54	MP3C	Mx	0.003	6
55	OVP1	X	-5.507	1
56	OVP1	Z	-3.179	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.476	2.75
59	MP2A	Z	-1.43	2.75
60	MP2A	Mx	-0.003	2.75
61	MP3B	X	-3.613	2.75
62	MP3B	Z	-2.086	2.75
63	MP3B	Mx	-0.000279	2.75
64	MP3C	X	-3.613	2.75
65	MP3C	Z	-2.086	2.75
66	MP3C	Mx	0.000279	2.75
67	MP2A	X	-2.476	2.75
68	MP2A	Z	-1.43	2.75
69	MP2A	Mx	-0.022	2.75
70	MP3B	X	-3.613	2.75
71	MP3B	Z	-2.086	2.75
72	MP3B	Mx	-0.021	2.75
73	MP3C	X	-3.613	2.75
74	MP3C	Z	-2.086	2.75
75	MP3C	Mx	0.021	2.75

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	-1.556	2.5
2	MP4A	Z	-2.695	2.5
3	MP4A	Mx	0.000778	2.5
4	MP4A	X	-1.556	4.5
5	MP4A	Z	-2.695	4.5
6	MP4A	Mx	0.000778	4.5
7	MP5B	X	-1.556	2.5
8	MP5B	Z	-2.695	2.5
9	MP5B	Mx	0.000778	2.5
10	MP5B	X	-1.556	4.5
11	MP5B	Z	-2.695	4.5
12	MP5B	Mx	0.000778	4.5
13	MP5C	X	-1.111	2.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
14	MP5C	Z	-1.925	2.5
15	MP5C	Mx	-0.000962	2.5
16	MP5C	X	-1.111	4.5
17	MP5C	Z	-1.925	4.5
18	MP5C	Mx	-0.000962	4.5
19	MP2A	X	-5.267	1
20	MP2A	Z	-9.122	1
21	MP2A	Mx	-0.003	1
22	MP2A	X	-5.267	6
23	MP2A	Z	-9.122	6
24	MP2A	Mx	-0.003	6
25	MP2A	X	-5.267	1
26	MP2A	Z	-9.122	1
27	MP2A	Mx	0.008	1
28	MP2A	X	-5.267	6
29	MP2A	Z	-9.122	6
30	MP2A	Mx	0.008	6
31	MP3B	X	-5.267	1
32	MP3B	Z	-9.122	1
33	MP3B	Mx	0.008	1
34	MP3B	X	-5.267	6
35	MP3B	Z	-9.122	6
36	MP3B	Mx	0.008	6
37	MP3C	X	-4.334	1
38	MP3C	Z	-7.506	1
39	MP3C	Mx	-0.006	1
40	MP3C	X	-4.334	6
41	MP3C	Z	-7.506	6
42	MP3C	Mx	-0.006	6
43	MP3B	X	-5.267	1
44	MP3B	Z	-9.122	1
45	MP3B	Mx	-0.003	1
46	MP3B	X	-5.267	6
47	MP3B	Z	-9.122	6
48	MP3B	Mx	-0.003	6
49	MP3C	X	-4.334	1
50	MP3C	Z	-7.506	1
51	MP3C	Mx	-0.001	1
52	MP3C	X	-4.334	6
53	MP3C	Z	-7.506	6
54	MP3C	Mx	-0.001	6
55	OVP1	X	-3.113	1
56	OVP1	Z	-5.391	1
57	OVP1	Mx	0	1
58	MP2A	X	-2.086	2.75
59	MP2A	Z	-3.613	2.75
60	MP2A	Mx	-0.004	2.75
61	MP3B	X	-1.43	2.75
62	MP3B	Z	-2.476	2.75
63	MP3B	Mx	-0.002	2.75
64	MP3C	X	-1.43	2.75
65	MP3C	Z	-2.476	2.75
66	MP3C	Mx	0.002	2.75
67	MP2A	X	-2.086	2.75
68	MP2A	Z	-3.613	2.75

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
69	MP2A	Mx	-0.018	2.75
70	MP3B	X	-1.43	2.75
71	MP3B	Z	-2.476	2.75
72	MP3B	Mx	-0.024	2.75
73	MP3C	X	-1.43	2.75
74	MP3C	Z	-2.476	2.75
75	MP3C	Mx	0.024	2.75

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M103	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M109	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	FH	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	FH	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	Y	0	2.5
2	MP4A	My	0	2.5
3	MP4A	Mz	0	2.5
4	MP4A	Y	0	4.5
5	MP4A	My	0	4.5
6	MP4A	Mz	0	4.5
7	MP5B	Y	0	2.5
8	MP5B	My	0	2.5
9	MP5B	Mz	0	2.5
10	MP5B	Y	0	4.5
11	MP5B	My	0	4.5
12	MP5B	Mz	0	4.5
13	MP5C	Y	0	2.5
14	MP5C	My	0	2.5
15	MP5C	Mz	0	2.5
16	MP5C	Y	0	4.5
17	MP5C	My	0	4.5
18	MP5C	Mz	0	4.5
19	MP2A	Y	0	1
20	MP2A	My	0	1
21	MP2A	Mz	0	1
22	MP2A	Y	0	6
23	MP2A	My	0	6

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
24	MP2A	Mz	0	6
25	MP2A	Y	0	1
26	MP2A	My	0	1
27	MP2A	Mz	0	1
28	MP2A	Y	0	6
29	MP2A	My	0	6
30	MP2A	Mz	0	6
31	MP3B	Y	0	1
32	MP3B	My	0	1
33	MP3B	Mz	0	1
34	MP3B	Y	0	6
35	MP3B	My	0	6
36	MP3B	Mz	0	6
37	MP3C	Y	0	1
38	MP3C	My	0	1
39	MP3C	Mz	0	1
40	MP3C	Y	0	6
41	MP3C	My	0	6
42	MP3C	Mz	0	6
43	MP3B	Y	0	1
44	MP3B	My	0	1
45	MP3B	Mz	0	1
46	MP3B	Y	0	6
47	MP3B	My	0	6
48	MP3B	Mz	0	6
49	MP3C	Y	0	1
50	MP3C	My	0	1
51	MP3C	Mz	0	1
52	MP3C	Y	0	6
53	MP3C	My	0	6
54	MP3C	Mz	0	6
55	OVP1	Y	0	1
56	OVP1	My	0	1
57	OVP1	Mz	0	1
58	MP2A	Y	0	2.75
59	MP2A	My	0	2.75
60	MP2A	Mz	0	2.75
61	MP3B	Y	0	2.75
62	MP3B	My	0	2.75
63	MP3B	Mz	0	2.75
64	MP3C	Y	0	2.75
65	MP3C	My	0	2.75
66	MP3C	Mz	0	2.75
67	MP2A	Y	0	2.75
68	MP2A	My	0	2.75
69	MP2A	Mz	0	2.75
70	MP3B	Y	0	2.75
71	MP3B	My	0	2.75
72	MP3B	Mz	0	2.75
73	MP3C	Y	0	2.75
74	MP3C	My	0	2.75
75	MP3C	Mz	0	2.75

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	Z	-1.065	2.5
2	MP4A	Mx	0	2.5
3	MP4A	Z	-1.065	4.5
4	MP4A	Mx	0	4.5
5	MP5B	Z	-1.065	2.5
6	MP5B	Mx	0.000461	2.5
7	MP5B	Z	-1.065	4.5
8	MP5B	Mx	0.000461	4.5
9	MP5C	Z	-1.065	2.5
10	MP5C	Mx	-0.000533	2.5
11	MP5C	Z	-1.065	4.5
12	MP5C	Mx	-0.000533	4.5
13	MP2A	Z	-1.012	1
14	MP2A	Mx	-0.000591	1
15	MP2A	Z	-1.012	6
16	MP2A	Mx	-0.000591	6
17	MP2A	Z	-1.012	1
18	MP2A	Mx	0.000591	1
19	MP2A	Z	-1.012	6
20	MP2A	Mx	0.000591	6
21	MP3B	Z	-1.012	1
22	MP3B	Mx	0.000734	1
23	MP3B	Z	-1.012	6
24	MP3B	Mx	0.000734	6
25	MP3C	Z	-1.012	1
26	MP3C	Mx	-0.000506	1
27	MP3C	Z	-1.012	6
28	MP3C	Mx	-0.000506	6
29	MP3B	Z	-1.012	1
30	MP3B	Mx	0.000143	1
31	MP3B	Z	-1.012	6
32	MP3B	Mx	0.000143	6
33	MP3C	Z	-1.012	1
34	MP3C	Mx	-0.000506	1
35	MP3C	Z	-1.012	6
36	MP3C	Mx	-0.000506	6
37	OVP1	Z	-0.96	1
38	OVP1	Mx	0	1
39	MP2A	Z	-2.052	2.75
40	MP2A	Mx	-0.001	2.75
41	MP3B	Z	-2.052	2.75
42	MP3B	Mx	-0.002	2.75
43	MP3C	Z	-2.052	2.75
44	MP3C	Mx	0.002	2.75
45	MP2A	Z	-2.085	2.75
46	MP2A	Mx	0.001	2.75
47	MP3B	Z	-2.085	2.75
48	MP3B	Mx	-0.019	2.75
49	MP3C	Z	-2.085	2.75
50	MP3C	Mx	0.019	2.75

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP4A	X	1.065	2.5
2	MP4A	Mx	-0.000533	2.5
3	MP4A	X	1.065	4.5
4	MP4A	Mx	-0.000533	4.5
5	MP5B	X	1.065	2.5
6	MP5B	Mx	0.000266	2.5
7	MP5B	X	1.065	4.5
8	MP5B	Mx	0.000266	4.5
9	MP5C	X	1.065	2.5
10	MP5C	Mx	0	2.5
11	MP5C	X	1.065	4.5
12	MP5C	Mx	0	4.5
13	MP2A	X	1.012	1
14	MP2A	Mx	-0.000506	1
15	MP2A	X	1.012	6
16	MP2A	Mx	-0.000506	6
17	MP2A	X	1.012	1
18	MP2A	Mx	-0.000506	1
19	MP2A	X	1.012	6
20	MP2A	Mx	-0.000506	6
21	MP3B	X	1.012	1
22	MP3B	Mx	-0.000258	1
23	MP3B	X	1.012	6
24	MP3B	Mx	-0.000258	6
25	MP3C	X	1.012	1
26	MP3C	Mx	0.000591	1
27	MP3C	X	1.012	6
28	MP3C	Mx	0.000591	6
29	MP3B	X	1.012	1
30	MP3B	Mx	0.000765	1
31	MP3B	X	1.012	6
32	MP3B	Mx	0.000765	6
33	MP3C	X	1.012	1
34	MP3C	Mx	-0.000591	1
35	MP3C	X	1.012	6
36	MP3C	Mx	-0.000591	6
37	OVP1	X	0.96	1
38	OVP1	Mx	0	1
39	MP2A	X	2.052	2.75
40	MP2A	Mx	0.002	2.75
41	MP3B	X	2.052	2.75
42	MP3B	Mx	-0.001	2.75
43	MP3C	X	2.052	2.75
44	MP3C	Mx	0.001	2.75
45	MP2A	X	2.085	2.75
46	MP2A	Mx	0.019	2.75
47	MP3B	X	2.085	2.75
48	MP3B	Mx	0.001	2.75
49	MP3C	X	2.085	2.75
50	MP3C	Mx	-0.001	2.75

Member Area Loads (BLC 39 : Structure D)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [ksf]	B Magnitude [ksf]	C Magnitude [ksf]	D Magnitude [ksf]	Exclude Braces
1	N101	N115	N265B	N269C	Y	A-B	-0.009	-0.009	-0.009	-0.009	Yes
2	N269C	N257A	N85	N101	Y	A-B	-0.009	-0.009	-0.009	-0.009	Yes
3	N257A	N261A	N108	N85	Y	A-B	-0.009	-0.009	-0.009	-0.009	Yes
4	N261A	N265B	N115	N108	Y	A-B	-0.009	-0.009	-0.009	-0.009	Yes

Member Area Loads (BLC 40 : Structure Di)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [ksf]	B Magnitude [ksf]	C Magnitude [ksf]	D Magnitude [ksf]	Exclude Braces
1	N101	N115	N265B	N269C	Y	A-B	-0.006	-0.006	-0.006	-0.006	Yes
2	N269C	N257A	N85	N101	Y	A-B	-0.006	-0.006	-0.006	-0.006	Yes
3	N257A	N261A	N108	N85	Y	A-B	-0.006	-0.006	-0.006	-0.006	Yes
4	N261A	N265B	N115	N108	Y	A-B	-0.006	-0.006	-0.006	-0.006	Yes

Member Area Loads (BLC 84 : Structure Ev)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [ksf]	B Magnitude [ksf]	C Magnitude [ksf]	D Magnitude [ksf]	Exclude Braces
1	N101	N115	N265B	N269C	Y	Two Way	0	0	0	0	Yes
2	N269C	N257A	N85	N101	Y	Two Way	0	0	0	0	Yes
3	N257A	N261A	N108	N85	Y	Two Way	0	0	0	0	Yes
4	N261A	N265B	N115	N108	Y	Two Way	0	0	0	0	Yes

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [ksf]	B Magnitude [ksf]	C Magnitude [ksf]	D Magnitude [ksf]	Exclude Braces
1	N101	N115	N265B	N269C	Z	Two Way	-0.000156	-0.000156	-0.000156	-0.000156	Yes
2	N269C	N257A	N85	N101	Z	Two Way	-0.000156	-0.000156	-0.000156	-0.000156	Yes
3	N257A	N261A	N108	N85	Z	Two Way	-0.000156	-0.000156	-0.000156	-0.000156	Yes
4	N261A	N265B	N115	N108	Z	Two Way	-0.000156	-0.000156	-0.000156	-0.000156	Yes

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [ksf]	B Magnitude [ksf]	C Magnitude [ksf]	D Magnitude [ksf]	Exclude Braces
1	N101	N115	N265B	N269C	X	Two Way	0.000156	0.000156	0.000156	0.000156	Yes
2	N269C	N257A	N85	N101	X	Two Way	0.000156	0.000156	0.000156	0.000156	Yes
3	N257A	N261A	N108	N85	X	Two Way	0.000156	0.000156	0.000156	0.000156	Yes
4	N261A	N265B	N115	N108	X	Two Way	0.000156	0.000156	0.000156	0.000156	Yes

Node Reactions

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1	1	N247A	-2112.622	1012.183	2469.814	-1.381	0.653	-1.813
2	1	N251A	860.527	1217.118	-578.942	2.787	-0.561	2.65
3	1	N249A	2128.572	1128.943	2686.239	-1.279	-0.917	1.883
4	1	N253A	-876.424	1209.77	-628.417	2.738	0.476	-2.584
5	1	Totals:	0.053	4568.014	3948.695			
6	1	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
7	2	N247A	-2678.828	937.436	2525.942	-1.192	-0.361	-1.315
8	2	N251A	596.36	1321.63	-294.308	2.947	-0.668	3.113
9	2	N249A	1424.77	1268.004	2340.581	-1.846	-1.595	2.664
10	2	N253A	-1293.417	1040.927	-1192.33	2.24	0.114	-1.936
11	2	Totals:	-1951.115	4567.997	3379.885			
12	2	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
13	3	N247A	-2931.234	935.106	2383.484	-1.327	-1.111	-1.091

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
14	3	N251A	487.312	1346.636	-402.646	2.798	-0.269	3.316
15	3	N249A	829.488	1432.464	1780.391	-2.6	-1.669	3.434
16	3	N253A	-1840.326	853.749	-1766.351	1.578	0.036	-1.262
17	3	Totals:	-3454.761	4567.954	1994.878			
18	3	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
19	4	N247A	-2792.896	1022.08	2012.759	-1.801	-1.509	-1.232
20	4	N251A	657.53	1273.706	-839.299	2.323	0.24	3.166
21	4	N249A	386.425	1587.037	1127.914	-3.411	-1.309	4.039
22	4	N253A	-2373.167	685.078	-2301.372	0.873	0.048	-0.708
23	4	Totals:	-4122.109	4567.902	0.002			
24	4	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
25	5	N247A	-2345.799	1191.099	1448.545	-2.518	-1.7	-1.748
26	5	N251A	1155.931	1112.405	-1406.261	1.611	0.367	2.638
27	5	N249A	210.377	1673.819	606.312	-4.044	-0.745	4.248
28	5	N253A	-2630.165	590.529	-2732.897	0.35	-0.275	-0.492
29	5	Totals:	-3609.656	4567.852	-2084.301			
30	5	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
31	6	N247A	-1719.44	1381.622	910.515	-3.233	-1.518	-2.47
32	6	N251A	1753.01	920.136	-1986.157	0.912	0.37	1.916
33	6	N249A	463.738	1658.733	380.552	-4.256	0.065	3.954
34	6	N253A	-2537.904	607.324	-2839.67	0.209	-0.635	-0.705
35	6	Totals:	-2040.596	4567.814	-3534.761			
36	6	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
37	7	N247A	-1035.89	1527.924	610.485	-3.725	-0.759	-3.156
38	7	N251A	2195.4	759.379	-2504.536	0.451	0.601	1.256
39	7	N249A	1081.733	1561.956	462.377	-4.011	1.035	3.306
40	7	N253A	-2241.277	718.542	-2516.982	0.448	-0.513	-1.221
41	7	Totals:	-0.034	4567.8	-3948.656			
42	7	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
43	8	N247A	-471.2	1607.454	561.454	-3.915	0.256	-3.654
44	8	N251A	2463.746	658.697	-2790.985	0.289	0.706	0.791
45	8	N249A	1781.937	1419.798	805.829	-3.45	1.712	2.529
46	8	N253A	-1823.349	881.868	-1956.144	0.945	-0.156	-1.866
47	8	Totals:	1951.133	4567.817	-3379.846			
48	8	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
49	9	N247A	-219.532	1612.16	707.609	-3.784	1.007	-3.878
50	9	N251A	2577.337	632.745	-2686.823	0.433	0.305	0.582
51	9	N249A	2372.435	1255.374	1366.153	-2.7	1.784	1.76
52	9	N253A	-1275.462	1067.581	-1381.777	1.605	-0.078	-2.539
53	9	Totals:	3454.779	4567.86	-1994.838			
54	9	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
55	10	N247A	-355.649	1522.006	1076.622	-3.313	1.407	-3.738
56	10	N251A	2405.055	700.914	-2249.28	0.908	-0.204	0.73
57	10	N249A	2815.036	1104.697	2016.797	-1.89	1.43	1.153
58	10	N253A	-742.316	1240.296	-844.101	2.311	-0.087	-3.093
59	10	Totals:	4122.126	4567.912	0.038			
60	10	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
61	11	N247A	-800.872	1347.654	1635.687	-2.595	1.596	-3.222
62	11	N251A	1902.26	857.619	-1678.913	1.622	-0.33	1.26
63	11	N249A	2996.406	1022.475	2539.943	-1.253	0.871	0.941
64	11	N253A	-488.119	1340.215	-412.377	2.834	0.239	-3.31
65	11	Totals:	3609.674	4567.962	2084.34			
66	11	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
67	12	N247A	-1428.812	1155.609	2168.649	-1.876	1.409	-2.501
68	12	N251A	1303.337	1050.822	-1098.043	2.324	-0.332	1.987

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
69	12	N249A	2747.405	1036.722	2769.259	-1.035	0.058	1.234
70	12	N253A	-581.316	1324.846	-305.065	2.977	0.599	-3.099
71	12	Totals:	2040.614	4568	3534.8			
72	12	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
73	13	N247A	-2155.738	1624.948	2181.296	-3.173	0.049	-3.156
74	13	N251A	1893.52	1348.747	-1861.071	2.363	-0.072	2.718
75	13	N249A	2183.297	1742.156	2240.494	-3.265	-0.08	3.311
76	13	N253A	-1921.062	1316.838	-1892.527	2.302	0.066	-2.617
77	13	Totals:	0.018	6032.69	668.191			
78	13	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
79	14	N247A	-2248.039	1612.087	2188.656	-3.144	-0.118	-3.074
80	14	N251A	1848.222	1365.602	-1815.956	2.389	-0.085	2.797
81	14	N249A	2063.911	1766.99	2181.399	-3.363	-0.193	3.447
82	14	N253A	-1991.9	1288.007	-1986.201	2.213	0.009	-2.504
83	14	Totals:	-327.807	6032.686	567.897			
84	14	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
85	15	N247A	-2286.41	1613.608	2160.964	-3.171	-0.243	-3.041
86	15	N251A	1834.179	1368.614	-1836.484	2.357	-0.024	2.825
87	15	N249A	1962.542	1794.425	2089.595	-3.493	-0.211	3.577
88	15	N253A	-2081.042	1256.033	-2084.49	2.101	-0.014	-2.393
89	15	Totals:	-570.732	6032.68	329.585			
90	15	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
91	16	N247A	-2262.852	1629.457	2099.872	-3.251	-0.308	-3.067
92	16	N251A	1865.406	1356.749	-1908.814	2.275	0.055	2.796
93	16	N249A	1889.92	1818.54	1982.978	-3.629	-0.153	3.677
94	16	N253A	-2167.338	1227.925	-2174.012	1.986	-0.017	-2.304
95	16	Totals:	-674.864	6032.671	0.024			
96	16	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
97	17	N247A	-2190.616	1656.992	2008.26	-3.37	-0.34	-3.151
98	17	N251A	1944.949	1330.614	-2001.853	2.16	0.081	2.712
99	17	N249A	1861.14	1833.302	1893.736	-3.738	-0.057	3.713
100	17	N253A	-2210.701	1211.754	-2243.823	1.897	-0.065	-2.265
101	17	Totals:	-595.228	6032.663	-343.68			
102	17	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
103	18	N247A	-2086.771	1688.516	1916.446	-3.493	-0.313	-3.272
104	18	N251A	2041.203	1297.503	-2098.975	2.042	0.086	2.593
105	18	N249A	1900.337	1833.267	1852.432	-3.779	0.077	3.666
106	18	N253A	-2196.726	1213.37	-2262.249	1.866	-0.124	-2.293
107	18	Totals:	-341.957	6032.656	-592.345			
108	18	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
109	19	N247A	-1972.21	1714.016	1862.61	-3.58	-0.192	-3.391
110	19	N251A	2117.007	1268.898	-2185.882	1.96	0.12	2.478
111	19	N249A	2001.353	1817.998	1866.507	-3.741	0.232	3.555
112	19	N253A	-2146.142	1231.741	-2211.372	1.904	-0.113	-2.379
113	19	Totals:	0.008	6032.653	-668.137			
114	19	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
115	20	N247A	-1879.955	1727.006	1855.429	-3.609	-0.025	-3.473
116	20	N251A	2162.415	1252.155	-2231.059	1.934	0.132	2.399
117	20	N249A	2120.66	1793.073	1925.565	-3.643	0.345	3.42
118	20	N253A	-2075.287	1260.422	-2117.778	1.992	-0.055	-2.492
119	20	Totals:	327.833	6032.656	-567.843			
120	20	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
121	21	N247A	-1841.605	1725.537	1883.22	-3.582	0.1	-3.506
122	21	N251A	2176.576	1249.113	-2210.631	1.966	0.071	2.371
123	21	N249A	2221.919	1765.644	2017.359	-3.513	0.363	3.289

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
124	21	N253A	-1986.133	1292.369	-2019.478	2.105	-0.033	-2.603
125	21	Totals:	570.757	6032.663	-329.53			
126	21	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
127	22	N247A	-1865.111	1709.6	1944.26	-3.502	0.165	-3.48
128	22	N251A	2145.295	1260.843	-2138.269	2.048	-0.008	2.4
129	22	N249A	2294.536	1741.636	2123.936	-3.377	0.305	3.189
130	22	N253A	-1899.832	1320.592	-1929.896	2.219	-0.03	-2.691
131	22	Totals:	674.889	6032.672	0.03			
132	22	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
133	23	N247A	-1937.302	1681.923	2035.742	-3.383	0.197	-3.396
134	23	N251A	2065.644	1286.856	-2045.157	2.163	-0.034	2.484
135	23	N249A	2323.444	1726.996	2213.22	-3.268	0.208	3.153
136	23	N253A	-1856.533	1336.906	-1860.071	2.308	0.019	-2.731
137	23	Totals:	595.254	6032.68	343.734			
138	23	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
139	24	N247A	-2041.165	1650.359	2127.43	-3.26	0.17	-3.275
140	24	N251A	1969.335	1319.989	-1948.004	2.281	-0.039	2.603
141	24	N249A	2284.34	1727.015	2254.601	-3.226	0.075	3.2
142	24	N253A	-1870.528	1335.325	-1841.628	2.339	0.078	-2.703
143	24	Totals:	341.983	6032.687	592.399			
144	24	COG (ft):	X: 0.061	Y: 1.26	Z: 0.711			
145	25	N247A	-1873.258	1680.465	1838.268	-3.638	-0.055	-2.943
146	25	N251A	1649.548	995.629	-1714.072	1.264	0.112	1.916
147	25	N249A	1984.173	1871.243	2000.184	-4.289	-0.038	3.822
148	25	N253A	-1760.418	770.511	-1789.335	1.011	-0.05	-1.415
149	25	Totals:	0.045	5317.847	335.045			
150	25	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
151	26	N247A	-1921.155	1673.917	1842.698	-3.622	-0.141	-2.901
152	26	N251A	1626.911	1004.249	-1689.761	1.277	0.102	1.955
153	26	N249A	1924.537	1883.143	1970.822	-4.337	-0.095	3.888
154	26	N253A	-1795.776	756.536	-1836.968	0.968	-0.081	-1.36
155	26	Totals:	-165.483	5317.845	286.792			
156	26	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
157	27	N247A	-1942.399	1673.545	1830.362	-3.633	-0.205	-2.882
158	27	N251A	1617.392	1006.376	-1698.657	1.265	0.136	1.973
159	27	N249A	1874.086	1897.075	1923.158	-4.4	-0.102	3.953
160	27	N253A	-1842.116	740.845	-1885.562	0.912	-0.087	-1.303
161	27	Totals:	-293.036	5317.842	169.302			
162	27	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
163	28	N247A	-1930.576	1680.956	1798.839	-3.673	-0.239	-2.893
164	28	N251A	1631.781	1000.382	-1735.591	1.225	0.18	1.96
165	28	N249A	1836.345	1910.036	1867.734	-4.469	-0.071	4.004
166	28	N253A	-1887.204	726.463	-1930.916	0.853	-0.086	-1.256
167	28	Totals:	-349.654	5317.837	0.066			
168	28	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
169	29	N247A	-1892.583	1695.429	1751.049	-3.734	-0.255	-2.937
170	29	N251A	1674.138	986.931	-1783.733	1.164	0.19	1.915
171	29	N249A	1821.071	1917.198	1823.334	-4.522	-0.024	4.022
172	29	N253A	-1908.801	718.276	-1967.403	0.808	-0.114	-1.238
173	29	Totals:	-306.176	5317.833	-176.753			
174	29	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
175	30	N247A	-1839.306	1711.584	1705.51	-3.794	-0.239	-2.998
176	30	N251A	1724.833	970.696	-1832.938	1.105	0.191	1.854
177	30	N249A	1842.306	1915.907	1804.03	-4.54	0.045	3.997
178	30	N253A	-1900.909	719.643	-1976.399	0.796	-0.144	-1.256

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
179	30	Totals:	-173.076	5317.83	-299.797			
180	30	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
181	31	N247A	-1781.3	1723.84	1679.992	-3.836	-0.175	-3.056
182	31	N251A	1762.41	956.984	-1876.982	1.066	0.21	1.798
183	31	N249A	1894.755	1907.851	1811.087	-4.52	0.128	3.942
184	31	N253A	-1875.828	729.154	-1949.006	0.817	-0.134	-1.299
185	31	Totals:	0.037	5317.829	-334.909			
186	31	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
187	32	N247A	-1733.414	1730.421	1675.613	-3.852	-0.089	-3.098
188	32	N251A	1785.078	948.391	-1901.306	1.052	0.219	1.759
189	32	N249A	1954.366	1895.928	1840.433	-4.472	0.185	3.876
190	32	N253A	-1840.464	743.09	-1901.396	0.859	-0.103	-1.354
191	32	Totals:	165.565	5317.83	-286.656			
192	32	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
193	33	N247A	-1712.176	1730.81	1687.975	-3.841	-0.025	-3.117
194	33	N251A	1794.629	946.257	-1892.441	1.065	0.185	1.741
195	33	N249A	2004.782	1881.996	1888.098	-4.409	0.191	3.811
196	33	N253A	-1794.117	758.77	-1852.799	0.915	-0.097	-1.411
197	33	Totals:	293.118	5317.834	-169.166			
198	33	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
199	34	N247A	-1723.976	1723.377	1719.48	-3.801	0.009	-3.106
200	34	N251A	1780.219	952.215	-1855.495	1.105	0.142	1.754
201	34	N249A	2042.512	1869.065	1943.503	-4.34	0.161	3.76
202	34	N253A	-1749.019	773.181	-1807.419	0.974	-0.098	-1.458
203	34	Totals:	349.736	5317.838	0.069			
204	34	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
205	35	N247A	-1761.962	1708.865	1767.239	-3.74	0.025	-3.062
206	35	N251A	1737.837	965.636	-1807.333	1.165	0.131	1.799
207	35	N249A	2057.832	1861.935	1987.92	-4.287	0.113	3.742
208	35	N253A	-1727.449	781.407	-1770.937	1.019	-0.07	-1.477
209	35	Totals:	306.258	5317.842	176.888			
210	35	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
211	36	N247A	-1815.251	1692.7	1812.742	-3.68	0.009	-3.001
212	36	N251A	1687.128	981.876	-1758.121	1.225	0.131	1.86
213	36	N249A	2036.628	1863.22	2007.25	-4.269	0.045	3.767
214	36	N253A	-1735.348	780.05	-1761.938	1.031	-0.04	-1.459
215	36	Totals:	173.157	5317.846	299.933			
216	36	COG (ft):	X: 0.326	Y: 1.188	Z: 1.606			
217	37	N247A	-2200.128	1858.486	2186.114	-4.769	0.021	-4.619
218	37	N251A	1919.1	618.82	-1913.951	0.758	-0.014	1.07
219	37	N249A	1977.973	1629.545	1881.26	-3.19	0.197	2.433
220	37	N253A	-1697.046	1210.907	-1818.363	1.43	-0.211	-2.401
221	37	Totals:	-0.101	5317.759	335.061			
222	37	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
223	38	N247A	-2248.105	1851.929	2190.763	-4.753	-0.065	-4.577
224	38	N251A	1896.62	627.474	-1889.829	0.772	-0.023	1.109
225	38	N249A	1918.415	1641.385	1852.068	-3.238	0.14	2.499
226	38	N253A	-1732.559	1196.97	-1866.194	1.388	-0.241	-2.346
227	38	Totals:	-165.629	5317.757	286.807			
228	38	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
229	39	N247A	-2269.423	1851.616	2178.598	-4.764	-0.128	-4.558
230	39	N251A	1887.26	629.645	-1898.836	0.759	0.011	1.127
231	39	N249A	1868.02	1655.211	1804.496	-3.302	0.133	2.564
232	39	N253A	-1779.04	1181.282	-1914.94	1.333	-0.248	-2.289
233	39	Totals:	-293.183	5317.754	169.318			

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
234	39	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
235	40	N247A	-2257.624	1859.137	2147.151	-4.804	-0.162	-4.57
236	40	N251A	1901.738	623.712	-1935.782	0.719	0.054	1.114
237	40	N249A	1830.302	1668.013	1749.099	-3.37	0.164	2.615
238	40	N253A	-1824.216	1166.887	-1960.386	1.273	-0.247	-2.242
239	40	Totals:	-349.8	5317.749	0.082			
240	40	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
241	41	N247A	-2219.54	1873.723	2099.324	-4.864	-0.178	-4.613
242	41	N251A	1944.023	610.341	-1983.828	0.659	0.065	1.069
243	41	N249A	1814.945	1675.022	1704.626	-3.424	0.211	2.633
244	41	N253A	-1845.749	1158.659	-1996.859	1.229	-0.275	-2.224
245	41	Totals:	-306.322	5317.745	-176.737			
246	41	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
247	42	N247A	-2166.129	1889.965	2053.668	-4.925	-0.162	-4.674
248	42	N251A	1994.554	594.174	-2032.866	0.599	0.065	1.008
249	42	N249A	1836.04	1673.659	1685.159	-3.442	0.28	2.608
250	42	N253A	-1837.686	1159.944	-2005.742	1.216	-0.305	-2.242
251	42	Totals:	-173.222	5317.742	-299.781			
252	42	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
253	43	N247A	-2108.018	1902.279	2027.962	-4.966	-0.098	-4.732
254	43	N251A	2031.965	580.471	-2076.703	0.56	0.084	0.952
255	43	N249A	1888.364	1665.617	1692.007	-3.421	0.362	2.553
256	43	N253A	-1812.42	1169.374	-1978.159	1.237	-0.295	-2.285
257	43	Totals:	-0.109	5317.741	-334.894			
258	43	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
259	44	N247A	-2060.051	1908.872	2023.364	-4.982	-0.012	-4.774
260	44	N251A	2054.474	571.845	-2100.838	0.546	0.093	0.912
261	44	N249A	1947.896	1653.755	1721.183	-3.373	0.42	2.487
262	44	N253A	-1776.9	1183.271	-1930.35	1.279	-0.264	-2.34
263	44	Totals:	165.419	5317.742	-286.64			
264	44	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
265	45	N247A	-2038.739	1909.201	2035.555	-4.971	0.051	-4.793
266	45	N251A	2063.866	569.668	-2091.86	0.559	0.06	0.895
267	45	N249A	1998.257	1639.928	1768.755	-3.31	0.426	2.421
268	45	N253A	-1730.412	1198.95	-1881.601	1.334	-0.258	-2.397
269	45	Totals:	292.972	5317.746	-169.151			
270	45	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
271	46	N247A	-2050.521	1901.657	2066.99	-4.931	0.085	-4.781
272	46	N251A	2049.374	575.566	-2054.908	0.599	0.017	0.907
273	46	N249A	2035.971	1627.155	1824.14	-3.241	0.396	2.37
274	46	N253A	-1685.234	1213.373	-1836.137	1.394	-0.258	-2.444
275	46	Totals:	349.59	5317.75	0.085			
276	46	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
277	47	N247A	-2088.592	1887.033	2114.78	-4.87	0.101	-4.737
278	47	N251A	2007.058	588.904	-2006.838	0.659	0.006	0.952
279	47	N249A	2051.367	1620.178	1868.624	-3.188	0.349	2.353
280	47	N253A	-1663.721	1221.64	-1799.662	1.439	-0.231	-2.462
281	47	Totals:	306.112	5317.755	176.904			
282	47	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			
283	48	N247A	-2142.015	1870.78	2160.4	-4.81	0.086	-4.677
284	48	N251A	1956.513	605.078	-1957.794	0.719	0.006	1.014
285	48	N249A	2030.304	1621.536	1888.117	-3.17	0.28	2.378
286	48	N253A	-1671.791	1220.365	-1790.775	1.451	-0.2	-2.444
287	48	Totals:	173.011	5317.758	299.948			
288	48	COG (ft):	X: -0.802	Y: 1.188	Z: 1.606			

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
289	49	N247A	-1708.259	1518.175	1670.549	-3.29	-0.057	-2.924
290	49	N251A	1629.734	928.544	-1669.857	1.339	0.069	1.787
291	49	N249A	1737.597	1592.493	1700.907	-3.384	0.065	3.036
292	49	N253A	-1659.067	903.653	-1701.556	1.314	-0.073	-1.737
293	49	Totals:	0.006	4942.865	0.044			
294	49	COG (ft):	X: 0.048	Y: 1.237	Z: 1.209			
295	50	N247A	-1743.953	1418.061	1652.342	-2.872	-0.167	-2.416
296	50	N251A	1630.564	1108.13	-1709.719	1.496	0.137	2.191
297	50	N249A	1903.381	1653.486	1865.417	-3.824	0.054	3.721
298	50	N253A	-1789.926	763.205	-1807.992	1.105	-0.028	-1.419
299	50	Totals:	0.066	4942.882	0.048			
300	50	COG (ft):	X: 0.522	Y: 1.237	Z: 1.209			
301	51	N247A	-1843.542	1483.281	1805.814	-2.991	-0.062	-2.908
302	51	N251A	1789.611	1152.205	-1805.35	1.892	0.021	2.283
303	51	N249A	1877.696	1570.261	1841.623	-3.1	0.071	3.038
304	51	N253A	-1823.755	1123.477	-1842.064	1.862	-0.024	-2.223
305	51	Totals:	0.01	5329.224	0.023			
306	51	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
307	52	N247A	-1593.873	1265.899	1571.134	-2.535	-0.037	-2.475
308	52	N251A	1515.027	992.531	-1520.34	1.646	0.003	1.971
309	52	N249A	1622.814	1341.186	1603.666	-2.625	0.041	2.586
310	52	N253A	-1543.96	968.293	-1552.38	1.62	-0.008	-1.92
311	52	Totals:	0.009	4567.909	102.081			
312	52	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
313	53	N247A	-1606.1	1264.122	1574.774	-2.53	-0.053	-2.464
314	53	N251A	1506.093	994.899	-1514.948	1.65	0.009	1.981
315	53	N249A	1606.369	1344.31	1593.661	-2.637	0.03	2.603
316	53	N253A	-1557.379	964.578	-1565.083	1.609	-0.007	-1.905
317	53	Totals:	-51.017	4567.909	88.404			
318	53	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
319	54	N247A	-1610.906	1264.322	1570.741	-2.534	-0.069	-2.459
320	54	N251A	1504.16	995.241	-1517.79	1.645	0.016	1.985
321	54	N249A	1590.242	1347.945	1579.101	-2.654	0.027	2.62
322	54	N253A	-1571.863	960.399	-1581.002	1.594	-0.011	-1.89
323	54	Totals:	-88.368	4567.908	51.05			
324	54	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
325	55	N247A	-1607.005	1266.445	1560.113	-2.545	-0.081	-2.463
326	55	N251A	1509.748	993.467	-1528.104	1.634	0.024	1.98
327	55	N249A	1578.75	1351.118	1563.886	-2.671	0.033	2.632
328	55	N253A	-1583.535	956.877	-1595.876	1.579	-0.017	-1.879
329	55	Totals:	-102.043	4567.907	0.019			
330	55	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
331	56	N247A	-1595.439	1269.922	1545.739	-2.56	-0.085	-2.475
332	56	N251A	1521.359	990.051	-1543.128	1.619	0.031	1.969
333	56	N249A	1574.976	1352.978	1552.093	-2.684	0.046	2.636
334	56	N253A	-1589.264	954.955	-1605.716	1.568	-0.024	-1.875
335	56	Totals:	-88.368	4567.906	-51.011			
336	56	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
337	57	N247A	-1579.311	1273.824	1531.472	-2.576	-0.081	-2.49
338	57	N251A	1535.882	985.91	-1558.834	1.604	0.033	1.954
339	57	N249A	1579.929	1353.025	1546.882	-2.688	0.064	2.63
340	57	N253A	-1587.517	955.146	-1607.887	1.564	-0.03	-1.878
341	57	Totals:	-51.017	4567.905	-88.365			
342	57	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
343	58	N247A	-1562.938	1277.104	1521.133	-2.588	-0.069	-2.506

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
344	58	N251A	1549.426	982.154	-1571.016	1.594	0.032	1.939
345	58	N249A	1592.282	1351.247	1549.649	-2.684	0.08	2.617
346	58	N253A	-1578.761	957.399	-1601.808	1.568	-0.034	-1.888
347	58	Totals:	0.009	4567.905	-102.041			
348	58	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
349	59	N247A	-1550.712	1278.884	1517.495	-2.593	-0.053	-2.517
350	59	N251A	1558.362	979.789	-1576.408	1.59	0.026	1.929
351	59	N249A	1608.726	1348.121	1559.653	-2.672	0.091	2.6
352	59	N253A	-1565.342	961.112	-1589.106	1.579	-0.035	-1.903
353	59	Totals:	51.035	4567.905	-88.365			
354	59	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
355	60	N247A	-1545.905	1278.684	1521.53	-2.589	-0.037	-2.522
356	60	N251A	1560.295	979.446	-1573.567	1.594	0.019	1.925
357	60	N249A	1624.852	1344.486	1574.212	-2.655	0.094	2.583
358	60	N253A	-1550.857	965.289	-1573.186	1.594	-0.031	-1.918
359	60	Totals:	88.385	4567.906	-51.011			
360	60	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
361	61	N247A	-1549.806	1276.56	1532.157	-2.578	-0.025	-2.518
362	61	N251A	1554.708	981.218	-1563.253	1.605	0.011	1.93
363	61	N249A	1636.344	1341.315	1589.428	-2.638	0.088	2.571
364	61	N253A	-1539.185	968.814	-1558.312	1.609	-0.025	-1.929
365	61	Totals:	102.06	4567.907	0.02			
366	61	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
367	62	N247A	-1561.372	1273.08	1546.529	-2.563	-0.021	-2.506
368	62	N251A	1543.095	984.631	-1548.228	1.621	0.005	1.941
369	62	N249A	1640.119	1339.458	1601.221	-2.625	0.075	2.567
370	62	N253A	-1533.456	970.739	-1548.471	1.62	-0.018	-1.933
371	62	Totals:	88.386	4567.908	51.05			
372	62	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
373	63	N247A	-1577.5	1269.178	1560.795	-2.547	-0.025	-2.491
374	63	N251A	1528.572	988.772	-1532.522	1.635	0.002	1.956
375	63	N249A	1635.167	1339.411	1606.432	-2.621	0.058	2.573
376	63	N253A	-1535.204	970.548	-1546.3	1.624	-0.012	-1.93
377	63	Totals:	51.035	4567.909	88.405			
378	63	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
379	64	N247A	-1197.27	948.137	1182.689	-1.892	-0.023	-1.85
380	64	N251A	1130.052	745.424	-1131.945	1.239	-0.001	1.48
381	64	N249A	1218.781	1004.924	1207.406	-1.959	0.026	1.933
382	64	N253A	-1151.556	727.448	-1156.074	1.219	-0.002	-1.442
383	64	Totals:	0.007	3425.933	102.076			
384	64	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
385	65	N247A	-1209.504	946.357	1186.322	-1.887	-0.039	-1.839
386	65	N251A	1121.116	747.795	-1126.562	1.243	0.004	1.49
387	65	N249A	1202.338	1008.057	1197.409	-1.971	0.015	1.95
388	65	N253A	-1164.968	723.724	-1168.77	1.209	-0.002	-1.427
389	65	Totals:	-51.019	3425.933	88.399			
390	65	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
391	66	N247A	-1214.322	946.56	1182.285	-1.891	-0.055	-1.834
392	66	N251A	1119.181	748.134	-1129.411	1.238	0.012	1.494
393	66	N249A	1186.216	1011.704	1182.856	-1.988	0.012	1.967
394	66	N253A	-1179.445	719.535	-1184.685	1.194	-0.005	-1.412
395	66	Totals:	-88.37	3425.932	51.045			
396	66	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
397	67	N247A	-1210.433	948.691	1171.659	-1.902	-0.067	-1.838
398	67	N251A	1124.764	746.35	-1139.729	1.227	0.02	1.49

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
399	67	N249A	1174.734	1014.888	1167.643	-2.005	0.018	1.979
400	67	N253A	-1191.11	716.002	-1199.558	1.179	-0.011	-1.401
401	67	Totals:	-102.045	3425.931	0.014			
402	67	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
403	68	N247A	-1198.877	952.18	1157.291	-1.917	-0.072	-1.85
404	68	N251A	1136.373	742.922	-1154.753	1.212	0.026	1.478
405	68	N249A	1170.97	1016.755	1155.848	-2.017	0.031	1.983
406	68	N253A	-1196.836	714.073	-1209.402	1.168	-0.019	-1.397
407	68	Totals:	-88.37	3425.93	-51.016			
408	68	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
409	69	N247A	-1182.754	956.092	1143.033	-1.933	-0.067	-1.865
410	69	N251A	1150.892	738.77	-1170.455	1.197	0.029	1.463
411	69	N249A	1175.931	1016.804	1150.632	-2.022	0.048	1.978
412	69	N253A	-1195.089	714.262	-1211.58	1.164	-0.025	-1.4
413	69	Totals:	-51.019	3425.929	-88.37			
414	69	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
415	70	N247A	-1166.38	959.38	1132.703	-1.945	-0.056	-1.881
416	70	N251A	1164.436	735.006	-1182.63	1.186	0.027	1.448
417	70	N249A	1188.288	1015.022	1153.39	-2.018	0.065	1.965
418	70	N253A	-1186.338	716.52	-1205.509	1.167	-0.029	-1.41
419	70	Totals:	0.006	3425.928	-102.046			
420	70	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
421	71	N247A	-1154.147	961.162	1129.071	-1.95	-0.04	-1.892
422	71	N251A	1173.373	732.638	-1188.014	1.183	0.022	1.438
423	71	N249A	1204.731	1011.887	1163.387	-2.005	0.076	1.947
424	71	N253A	-1172.925	720.241	-1192.814	1.178	-0.029	-1.425
425	71	Totals:	51.032	3425.929	-88.37			
426	71	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
427	72	N247A	-1149.329	960.96	1133.109	-1.946	-0.023	-1.897
428	72	N251A	1175.309	732.299	-1185.165	1.187	0.014	1.434
429	72	N249A	1220.851	1008.24	1177.939	-1.989	0.079	1.93
430	72	N253A	-1158.448	724.43	-1176.899	1.193	-0.026	-1.44
431	72	Totals:	88.383	3425.929	-51.016			
432	72	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
433	73	N247A	-1153.218	958.827	1143.735	-1.935	-0.012	-1.893
434	73	N251A	1169.725	734.08	-1174.847	1.198	0.006	1.439
435	73	N249A	1232.334	1005.058	1193.152	-1.972	0.073	1.918
436	73	N253A	-1146.783	727.965	-1162.025	1.208	-0.02	-1.451
437	73	Totals:	102.058	3425.93	0.015			
438	73	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
439	74	N247A	-1164.773	955.336	1158.101	-1.92	-0.007	-1.881
440	74	N251A	1158.116	737.505	-1159.822	1.213	0	1.45
441	74	N249A	1236.098	1003.193	1204.947	-1.959	0.06	1.914
442	74	N253A	-1141.058	729.897	-1152.181	1.219	-0.013	-1.455
443	74	Totals:	88.383	3425.932	51.046			
444	74	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			
445	75	N247A	-1180.896	951.423	1172.359	-1.904	-0.011	-1.866
446	75	N251A	1143.596	741.657	-1144.12	1.228	-0.003	1.465
447	75	N249A	1231.138	1003.144	1210.164	-1.954	0.042	1.92
448	75	N253A	-1142.805	729.708	-1150.003	1.223	-0.006	-1.452
449	75	Totals:	51.033	3425.933	88.4			
450	75	COG (ft):	X: 0.051	Y: 1.294	Z: 0.746			

Envelope Node Reactions

	Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N247A	max	-219.532	9	1909.201	45	2525.942	2	-1.192	2	1.596	11	-1.091	3
2		min	-2931.234	3	935.106	3	561.454	8	-4.982	44	-1.7	5	-4.793	45
3	N251A	max	2577.337	9	1368.614	15	-294.308	2	2.947	2	0.706	8	3.316	3
4		min	487.312	3	569.668	45	-2790.985	8	0.289	8	-0.668	2	0.582	9
5	N249A	max	2996.406	11	1917.198	29	2769.259	12	-1.035	12	1.784	9	4.248	5
6		min	210.377	5	1003.144	75	380.552	6	-4.54	30	-1.669	3	0.941	11
7	N253A	max	-488.119	11	1340.215	11	-305.065	12	2.977	12	0.599	12	-0.492	5
8		min	-2630.165	5	590.529	5	-2839.67	6	0.209	6	-0.635	6	-3.31	11
9	Totals:	max	4122.126	10	6032.69	13	3948.695	1						
10		min	-4122.109	4	3425.928	70	-3948.656	7						

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 [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
1	M141A	HSS4X4X3	0.39	7.75	12	0.111	7.75	y	45	83875.705	106812	12.662	12.662	3	H1-1b
2	M138	HSS4X4X3	0.567	7.75	43	0.111	7.75	y	30	83875.705	106812	12.662	12.662	2.93	H1-1b
3	M139	HSS4X4X3	0.526	7.75	4	0.115	7.75	y	44	83875.705	106812	12.662	12.662	3	H1-1b
4	M140A	HSS4X4X3	0.395	0	2	0.106	0	y	5	83875.705	106812	12.662	12.662	3	H1-1b
5	M158A	PL1/2X5	0.12	0.646	9	0.025	0	y	29	69593.784	81000	0.844	8.438	2.156	H1-1b
6	M159A	PL1/2X5	0.223	0.417	3	0.201	0.417	y	5	62913.192	81000	0.844	8.438	1.651	H1-1b
7	M160A	PL1/2X5	0.104	0	11	0.019	0.646	y	3	69593.784	81000	0.844	8.438	2.263	H1-1b
8	M153	PL1/2X4.25	0.124	0.239	10	0.267	0	y	10	58845.906	68850	0.717	6.096	2.383	H1-1b
9	M45	C6X8.2	0.572	3.812	20	0.068	3.812	z	10	18541.581	77436	2.108	13.35	1.326	H1-1b
10	M43	PL1/2X4	0.031	0.207	7	0.001	0	y	4	63797.093	64800	0.675	5.4	1.698	H1-1b*
11	M44	PL1/2X4	0.033	0.207	10	0.001	0	y	6	63797.08	64800	0.675	5.4	1.702	H1-1b*
12	M50	C6X8.2	0.661	3.812	48	0.07	3.812	z	1	18541.581	77436	2.108	13.281	1.32	H1-1b
13	M51	PL1/2X4	0.034	0.207	1	0.002	0	y	46	63797.08	64800	0.675	5.4	1.696	H1-1b*
14	M52	PL1/2X4	0.033	0.207	10	0.002	0	y	7	63797.093	64800	0.675	5.4	1.697	H1-1b*
15	M54	PL1/2X5	0.107	0.646	5	0.024	0	y	33	69593.784	81000	0.844	8.438	2.185	H1-1b
16	M55	PL1/2X5	0.255	0.417	11	0.259	0.417	y	45	62913.192	81000	0.844	8.438	1.625	H1-1b
17	M56	PL1/2X5	0.111	0	4	0.023	0.646	y	47	69593.784	81000	0.844	8.438	2.17	H1-1b
18	M58	C6X8.2	0.602	3.812	42	0.068	3.812	z	4	18541.581	77436	2.108	13.382	1.33	H1-1b
19	M59	PL1/2X4	0.031	0.207	7	0.001	0	y	10	63797.08	64800	0.675	5.4	1.698	H1-1b*
20	M60	PL1/2X4	0.033	0.207	4	0.002	0	y	44	63797.093	64800	0.675	5.4	1.702	H1-1b*
21	M66	C6X8.2	0.638	3.812	27	0.073	3.812	z	4	18541.581	77436	2.108	13.22	1.314	H1-1b
22	M67	PL1/2X4	0.034	0.207	1	0.002	0	y	46	63797.093	64800	0.675	5.4	1.696	H1-1b*
23	M68	PL1/2X4	0.033	0.207	4	0.002	0	y	43	63797.08	64800	0.675	5.4	1.698	H1-1b*
24	M70	PL1/2X5	0.096	0.646	6	0.019	0	y	3	69593.784	81000	0.844	8.438	2.223	H1-1b
25	M71	PL1/2X5	0.108	0.417	4	0.265	0.417	y	12	62913.192	81000	0.844	8.438	1.392	H1-1b
26	M72	PL1/2X5	0.085	0	7	0.019	0.646	y	12	69593.784	81000	0.844	8.438	1.679	H1-1b
27	M74	PL1/2X5	0.146	0.646	1	0.031	0	y	41	69593.784	81000	0.844	8.438	1.351	H1-1b
28	M75	PL1/2X5	0.246	0.417	6	0.445	0	y	1	62913.192	81000	0.844	8.438	1.617	H1-1b
29	M76	PL1/2X5	0.162	0	12	0.03	0.646	y	32	69593.784	81000	0.844	8.438	1.416	H1-1b
30	FH	C6X8.2	0.489	6.25	7	0.115	0.521	y	48	6897.835	77436	2.108	9.577	1.455	H1-1b
31	M122	L2.5X2.5X3	0.759	4.167	1	0.15	0.911	y	1	2101.72	29192.4	0.873	1.276	1.5	H2-1
32	MP1A	PIPE 2.0	0.317	3.871	10	0.069	3.871		4	26308.086	32130	1.872	1.872	1	H1-1b
33	M158B	PL1/2X4.25	0.186	0.239	10	0.212	0	y	10	58845.906	68850	0.717	6.096	2.354	H1-1b
34	M160	PL1/2X4.25	0.164	0.239	6	0.078	0	y	7	58845.906	68850	0.717	6.096	2.491	H1-1b
35	M162	PL1/2X4.25	0.166	0.239	8	0.089	0	y	6	58845.906	68850	0.717	6.096	3	H1-1b
36	M164	PL1/2X4.25	0.138	0.239	3	0.289	0	y	4	58845.906	68850	0.717	6.096	2.341	H1-1b
37	M166	PL1/2X4.25	0.157	0.239	4	0.208	0	y	4	58845.906	68850	0.717	6.096	2.383	H1-1b
38	M168	PL1/2X4.25	0.136	0.239	12	0.162	0	y	1	58845.906	68850	0.717	6.096	2.41	H1-1b
39	M170	PL1/2X4.25	0.192	0.239	1	0.113	0.239	y	1	58845.906	68850	0.717	6.096	2.305	H1-1b
40	M175	PL1/2X4.25	0.372	0.573	9	0.097	0	y	1	42727.738	68850	0.717	6.096	1.354	H1-1b
41	M143A	PL1/2X4.25	0.359	0.573	6	0.088	1.145	y	1	42727.738	68850	0.717	6.096	1.104	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
42	M145	PL1/2X4.25	0.367	0.573	3	0.172	0.573	y	46	42727.738	68850	0.717	6.096	1.267	H1-1b
43	M147	PL1/2X4.25	0.396	0.573	12	0.108	0	y	27	42727.738	68850	0.717	6.096	1.115	H1-1b
44	M151A	PL3/8X6	0.127	2.022	1	0.023	0	y	1	9981.159	72900	0.57	8.762	1.235	H1-1b
45	M154	L2.5X2.5X3	0.123	2.802	7	0.004	5.604	y	10	10456.362	29192.4	0.873	1.564	1.136	H2-1
46	M155	L2.5X2.5X3	0.128	2.802	4	0.008	5.604	y	43	10456.362	29192.4	0.873	1.564	1.136	H2-1
47	M156	L2.5X2.5X3	0.131	2.802	1	0.007	5.604	y	46	10456.362	29192.4	0.873	1.564	1.136	H2-1
48	M157	L2.5X2.5X3	0.128	2.802	10	0.005	5.604	y	7	10456.362	29192.4	0.873	1.564	1.136	H2-1
49	M86	C6X8.2	0.448	6.25	4	0.183	6.25	z	10	6897.835	77436	2.108	9.523	1.447	H1-1b
50	M87	C6X8.2	0.308	6.25	1	0.11	0.521	z	12	6897.835	77436	2.108	9.176	1.394	H1-1b
51	M88	C6X8.2	0.448	6.25	10	0.189	6.25	z	4	6897.835	77436	2.108	9.565	1.453	H1-1b
52	M89	L2.5X2.5X3	0.771	4.167	10	0.191	0.911	y	10	2101.72	29192.4	0.873	1.276	1.5	H2-1
53	M90	L2.5X2.5X3	0.534	11.589	10	0.075	0.26	z	10	2101.72	29192.4	0.873	1.276	1.5	H2-1
54	M91	L2.5X2.5X3	0.683	4.167	4	0.179	0.911	y	4	2101.72	29192.4	0.873	1.276	1.5	H2-1
55	M99	PL3/8X6	0.134	2.022	10	0.031	0	y	10	9981.159	72900	0.57	9.113	1.358	H1-1b
56	M100	PL3/8X6	0.083	0.358	10	0.01	2.022	y	10	9981.159	72900	0.57	9.113	1.371	H1-1b
57	M101	PL3/8X6	0.139	2.022	4	0.027	0	y	4	9981.159	72900	0.57	9.113	1.299	H1-1b
58	MP2A	PIPE_2.0	0.359	4.667	10	0.163	4.667		8	14916.096	32130	1.872	1.872	1	H1-1b
59	MP4A	PIPE_2.0	0.41	4.667	4	0.138	2.417		4	14916.096	32130	1.872	1.872	1	H1-1b
60	MP3A	PIPE_2.0	0.382	3.871	4	0.094	3.871		4	26308.086	32130	1.872	1.872	1	H1-1b
61	MP3B	PIPE_2.0	0.319	2.833	16	0.167	4.667		11	14916.096	32130	1.872	1.872	1	H1-1b
62	MP1B	PIPE_2.0	0.205	4.688	12	0.077	4.688		7	20114.427	32130	1.872	1.872	1	H1-1b
63	MP2B	PIPE_2.0	0.21	3.94	12	0.135	3.94		4	25873.617	32130	1.872	1.872	1	H1-1b
64	MP4B	PIPE_2.0	0.175	4.688	7	0.132	4.688		4	20114.427	32130	1.872	1.872	1	H1-1b
65	M126	PIPE_2.0	0.176	3.94	7	0.133	3.94		4	25873.617	32130	1.872	1.872	1	H1-1b
66	MP5B	PIPE_2.0	0.178	4.688	7	0.065	2.409		4	20114.427	32130	1.872	1.872	1	H1-1b
67	M137	PIPE_2.0	0.358	3.871	10	0.142	3.871		10	26308.086	32130	1.872	1.872	1	H1-1b
68	M140	PIPE_2.0	0.29	3.871	4	0.096	3.871		4	26308.086	32130	1.872	1.872	1	H1-1b
69	M141	PIPE_2.0	0.348	3.871	10	0.055	3.871		10	26308.086	32130	1.872	1.872	1	H1-1b
70	MP5C	PIPE_2.0	0.23	4.688	2	0.099	2.409		1	20114.427	32130	1.872	1.872	1	H1-1b
71	MP4C	PIPE_2.0	0.226	4.688	1	0.131	4.688		10	20114.427	32130	1.872	1.872	1	H1-1b
72	MP3C	PIPE_2.0	0.318	2.833	22	0.177	4.667		5	14916.096	32130	1.872	1.872	1	H1-1b
73	MP1C	PIPE_2.0	0.188	4.688	6	0.076	4.688		11	20114.427	32130	1.872	1.872	1	H1-1b
74	MP2C	PIPE_2.0	0.195	3.94	7	0.134	3.94		10	25873.617	32130	1.872	1.872	1	H1-1b
75	M181	PIPE_2.0	0.226	3.94	1	0.129	3.94		10	25873.617	32130	1.872	1.872	1	H1-1b
76	OVP2	PIPE_2.0	0.017	3.5	5	0.002	3.5		5	26521.424	32130	1.872	1.872	1	H1-1b
77	OVP1	PIPE_2.0	0.118	3.5	5	0.01	3.5		5	26521.424	32130	1.872	1.872	1	H1-1b

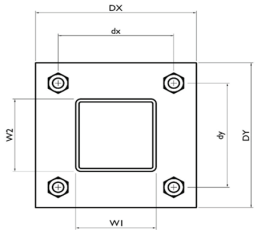
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	9/9/2024
Site Name:	HAILEY		
MDG #:	5000062841		
Fuze ID #:	16977167	Page:	1

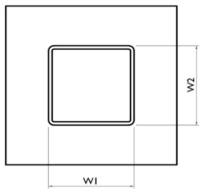
Version 2.00

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	9.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	9.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	4.0
Required Shear Strength / bolt (kips):	0.5
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**19.5%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	11.5
Plate Height, D_y (in):	11.5
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.1875
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.625
Length of Yield Line, L_y (in):	9.30
Bolt Eccentricity, e (in):	4.06
M_u (kip-in):	16.37
Phi*M_n (kip-in):	29.43
Plate Bending Utilization:	**55.6%**



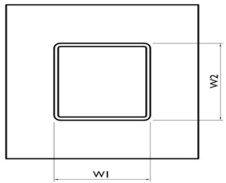
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	9/9/2024
Site Name:	HAILEY		
MDG #:	5000062841		
Fuze ID #:	16977167	Page:	2

Version 2.00

Tower Connection Weld Checks	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.1875
c_y (in)	2.1875
Required combined strength (kip/in):	2.49
Weld Capacity (kip/in):	5.57
Weld Utilization:	**44.8%**



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2007-ANM-2182-OE
Prior Study No.
1993-ANM-579-OE

Issued Date: 07/27/2007

Carl Manson Jr.
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Alpharetta, GA 30004

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Hailey
Location:	Hailey, ID
Latitude:	43-30-36.00 N NAD 83
Longitude:	114-18-21.00 W
Heights:	120 feet above ground level (AGL) 5425 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does exceed obstruction standards but would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

This aeronautical study included evaluation of a 120 foot AGL structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect this existing height and the most current coordinates/elevation as indicated in the above description.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (907) 271-5863. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2007-ANM-2182-OE.

Signature Control No: 526152-100594831 (EBO)
Robert van Haastert
Specialist

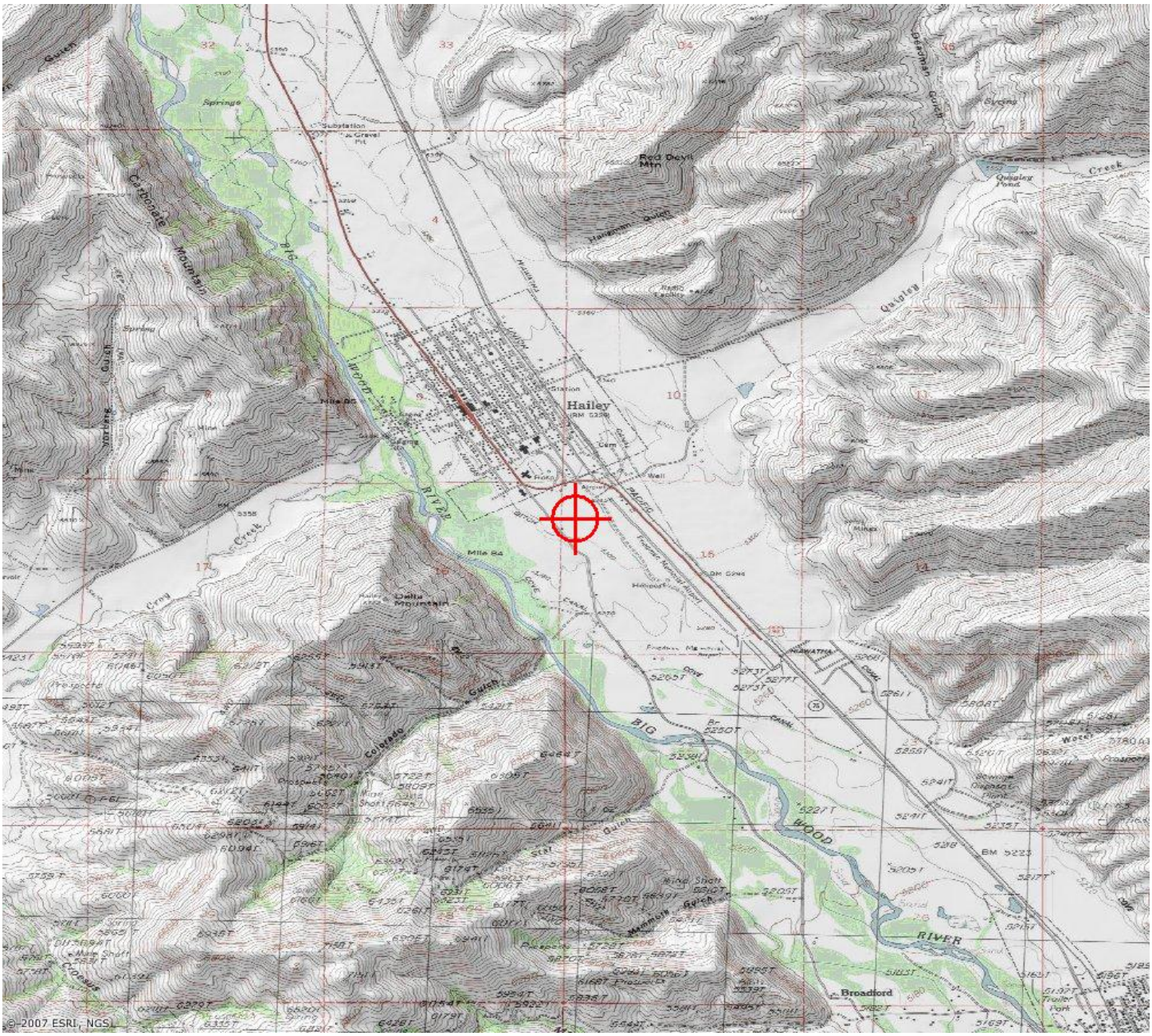
Attachment(s)
Frequency Data
Map(s)

cc: NACO w/map

Frequency Data for ASN 2007-ANM-2182-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
19685	19685	MHz	57.6	dBm

TOPO Map for ASN 2007-ANM-2182-OE



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Non-Ionizing Radiation (NIER) Study

Site Number:
82679

Site Name:
Hailey ID

Location:
Hailey, Idaho

Tenants:
Verizon Wireless

Prepared For:

American Tower, Inc.
Woburn, Massachusetts

December 2nd, 2024

234709 P-452209

Prepared By:

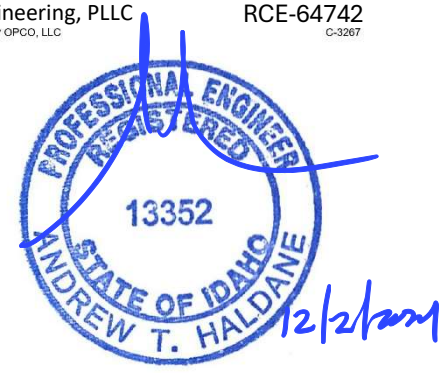
Gautam J. Sopal, EIT.

Tower Engineering Professionals

Approved By:

TEP Engineering, PLLC
TEP OPCO, LLC

RCE-64742
C-3267



12/2/2024

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Non-Ionizing Electromagnetic Radiation (NIER) Study

82679 Hailey ID
Hailey, Idaho

INTRODUCTION

Tower Engineering Professionals RF Design & Services Division (TEP-RF) of Raleigh, North Carolina, has been retained by American Tower, Inc. (ATC), of Woburn, Massachusetts to evaluate the RF emissions compared to the Maximum Permissible Exposure (MPE) limit for facilities at this location. This evaluation uses compliance standards as outlined in Federal Communications Commission (FCC) document OET-65.

SITE AND FACILITY CONSIDERATIONS

Site 82679 Hailey ID is located at Unit 6, 1141 Airport Way in Hailey, Idaho at coordinates 43.510000, -114.305833. The support structure is a 100' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The only tenant is Verizon Wireless (VZW). A table listing all antennae and effective radiated power (ERP) levels that were used in this study may be found in Appendix 2, Antenna Inventory.

POWER DENSITY CALCULATIONS

Power densities were calculated based on FCC MPE limits for both General Population/Uncontrolled and Occupational/Controlled environments.

For the purpose of this study, a radius of 100' from the base of the tower with a height of 6' above ground level was used, beyond 100' the MPE levels become *di minimus*. This study utilized FCC recognized and accepted software programs using the maximum ERP levels for the antenna models provided by ATC. Diagrams depicting the predicted spatial average power density level at any specific location may be found in Appendix 3, MPE Limit Study. Descriptions of RF signage can be found in Appendix 4, Barrier & Sign Types. A discussion regarding the FCC limits may be found in Appendix 5, Information Pertaining to MPE Studies. Prediction Models used in this study may be found in Appendix 6, MPE Standards Methodology.

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All data used in this study was collected from one or more of the following sources:

- ATC furnished data and does not include other unidentified communication facilities.
- Load List at 82679 Hailey ID. RF NIER Study 11/27/2024.
- FCC databases.
- Carrier standard configurations.
- Empirical data collected by TEP.

SITE MITIGATION & CONTROL

In order to comply with FCC, tenant, & ATC requirements, TEP recommends the placement of signage at the following points:

Site Entrance

1. Site ID Sign (tower owner defined)
2. RF Information Sign (Green)

Tower Access Point

1. RF Exposure Sign (Red)

Alpha Sector
No additional mitigation is required.

Beta Sector
No additional mitigation is required.

Gamma Sector
No additional mitigation is required

COMPLIANCE DETERMINATION

With the above mitigation implemented, this installation ***WILL BE*** in compliance with current FCC MPE limits as described in FCC OET-65.

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Appendix 1 Site Photos

Aerial View of the Site

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Appendix 2 Antenna Inventory

82679 Hailey ID							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azmiuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	VZW	Ericsson	AIR 6419 B77D/ C-Band	3700	050	71639	95.0
2	VZW	Ericsson	AIR 6419 B77D/ C-Band	3700	170	71639	95.0
3	VZW	Ericsson	AIR 6419 B77D/ C-Band	3700	320	71639	95.0
4	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	050	78350	95.0
5	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	170	78350	95.0
6	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	320	78350	95.0
7	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	050	78350	95.0
8	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	170	78350	95.0
9	VZW	Commscope	NHH-65C-HG-R2B	800/1700/1800	320	78350	95.0

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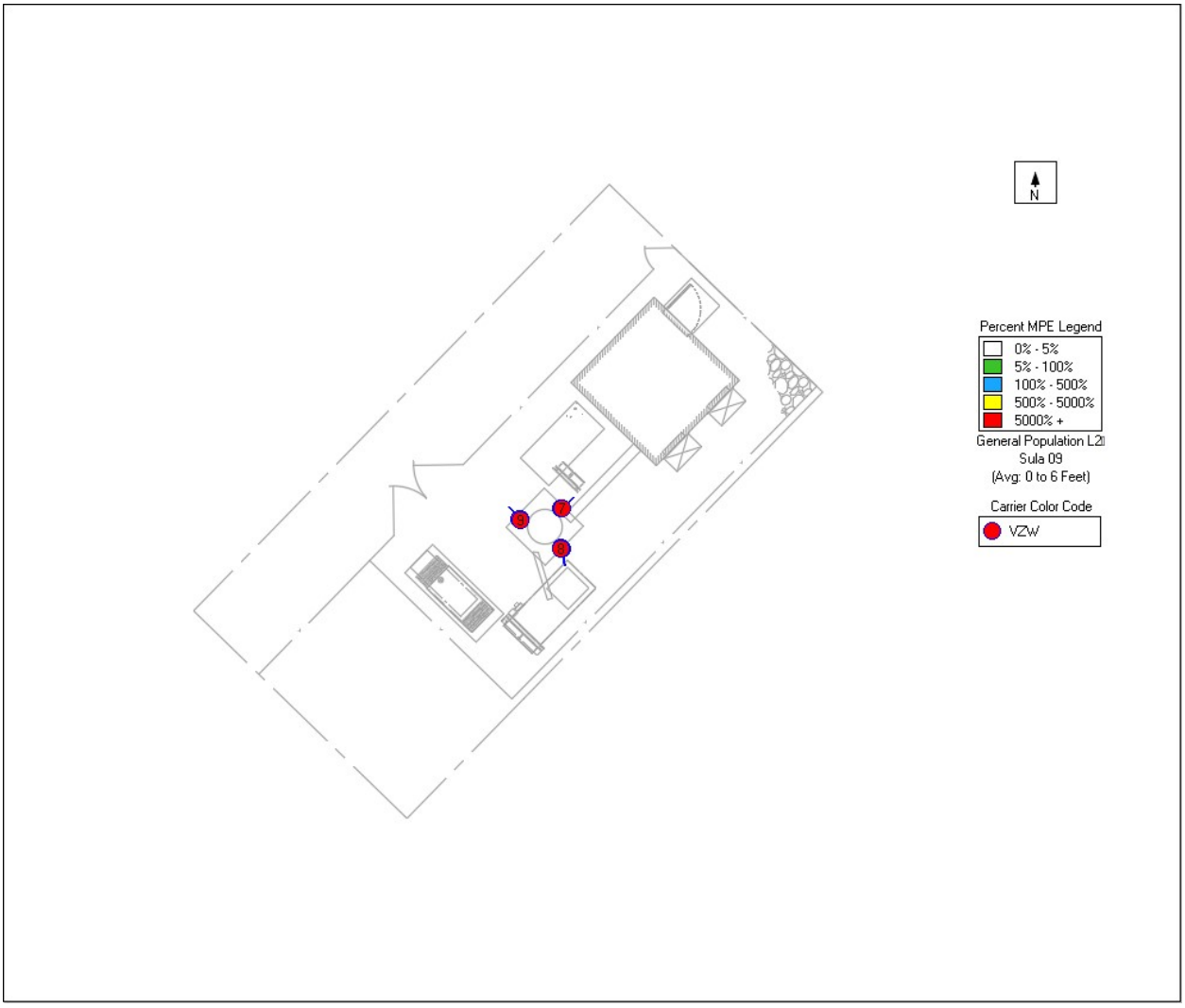
Appendix 3.1 MPE Limit Study General Population



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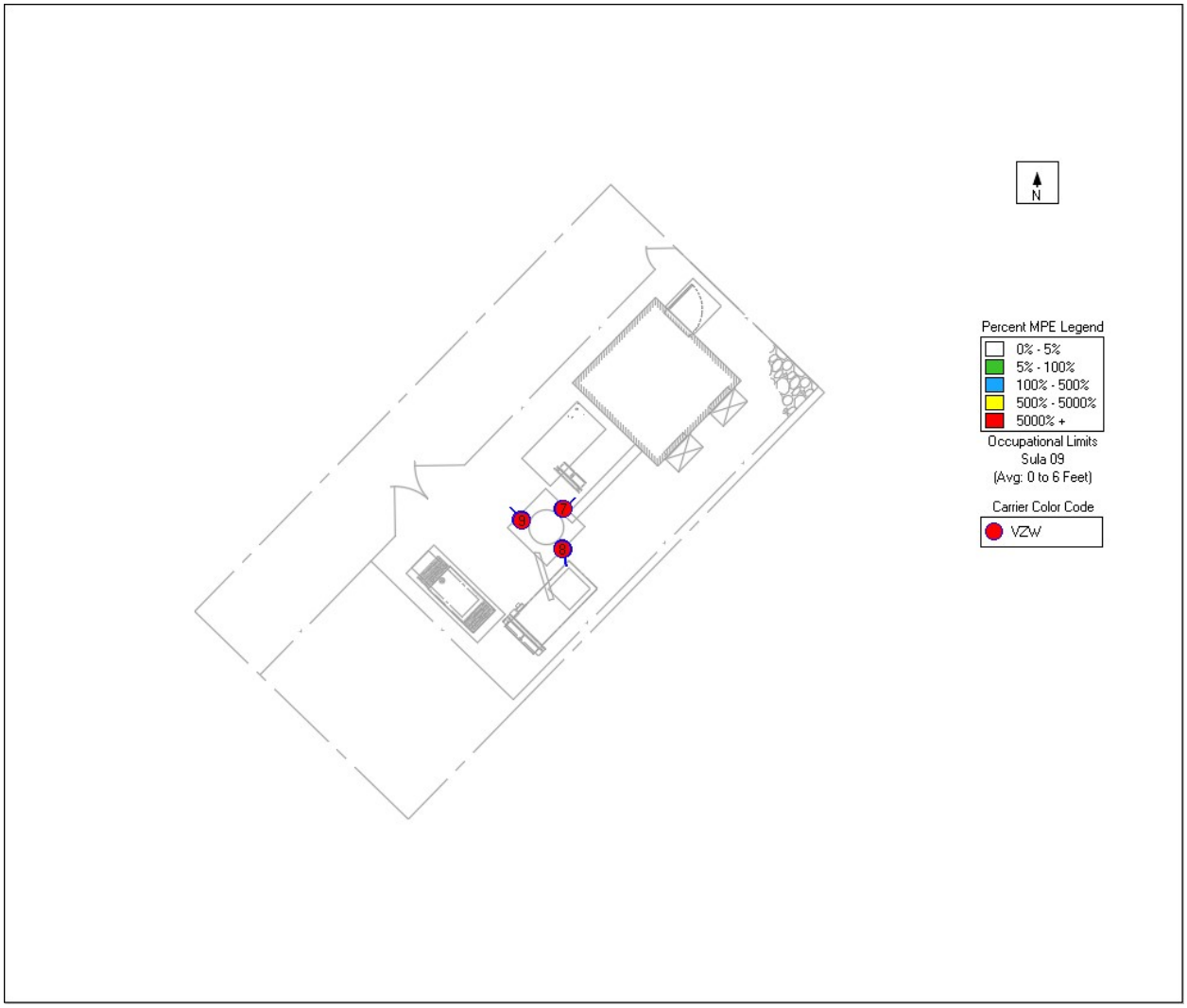
Appendix 3.2 MPE Limit Study Occupational Limit



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Appendix 4.1 Barrier & Sign Types

Stanchion Type

Cone Type

A-Frame Type

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Appendix 4.2 Barrier & Sign Types

<table>
<tr><th colspan="3">RF Safety Exposure Categorization</th></tr>
<tr><th>Exposure Conditions</th><th>Control Measures</th><th>Signage</th></tr>
<tr>
<td>
• Operational of the source(s) or locations where RF fields are too weak to cause exposures greater than General Public limit.
<table>
<tr><th>Cat.</th><th>Occupational Worker</th><th>General Public</th></tr>
<tr><td>1</td><td><20%</td><td><100%</td></tr>
</table>
• Green zone is where the time and spatial-average is below 20% of Occupational Worker limit or <100% of General Public limit.
</td>
<td>
• RF Safety Guideline/NIER report must be submitted to RFSO for approval.
• No special EME safety practices required in these areas.
• No signage required except Information sign.
</td>
<td>


*the antenna owner information and Antenna Structure Registration Number and must be displayed on the sign.
INFORMATION sign for access to rooftop/access door.
</td>
</tr>
<tr>
<td>
• Operational of the source(s) or locations where RF exposure could cause exposure greater than General Public limit but not the Occupational Worker limit to be exceeded in accessible areas.
<table>
<tr><th>Cat.</th><th>Occupational Worker</th><th>General</th></tr>
<tr><td>2</td><td>≥20% but <100%</td><td>>100%</td></tr>
</table>
• Blue zone is where the spatial average is between 20%-100% of Occupational Worker limit. This limit MUST be less than the Occupational limit.
</td>
<td>
• RF Safety Guideline/NIER report must be submitted to RFSO for approval.
• Recommended RF safety awareness training for all workers in this area.
• Controlled areas with barriers and/or signage required in these area.
• Do not walk in front of the antenna face or no loitering in this controlled area.
• Individual MUST have full control over any area where the exposure levels exceed the limit.
</td>
<td>


NOTICE signage shall be posted on the barriers/stanchion to prevent anyone from entering into the area (must be cordon off around the antennas - 4 posts /3 signs).
Or must be posted in location that can be easily viewed by individuals that enter the areas of concerns.
</td>
</tr>
<tr>
<td>
• Operational of the source(s) or locations where RF exposure exceeded the Occupational Worker limit in accessible areas.
<table>
<tr><th>Cat.</th><th>Occupational Worker</th><th>General Public</th></tr>
<tr><td>3</td><td>≥100%</td><td>≥500%</td></tr>
</table>
• Yellow zone is where the spatial average is above 100% of Occupational Worker limit.
</td>
<td>
• RF Safety Guideline/NIER report must be submitted to RFSO for approval.
• Individual <u>shall not</u> enter and work in these areas without RS approval
• Required RF safety training and access area is restricted only for authorized worker.
• Controlled areas with barriers and signage required in these area.
• Do not walk in front of the antenna face.
• Require reduction of RF power and approval from Radiation Safety prior any work on the antennas.
</td>
<td>


CAUTION signage shall be posted on the barriers/stanchion to prevent anyone from entering into the area (must be cordon off around the antennas - 4 posts /3 signs).
</td>
</tr>
<tr>
<td>
• Exposure will exceed exposure limit in accessible areas.
<table>
<tr><th>Cat.</th><th>Occupational Worker</th><th>General Public</th></tr>
<tr><td>4</td><td>>500%</td><td>>1000%</td></tr>
</table>
• Red zone is where the time and spatial-averaged levels fall above 500% of Occupational Worker limit or is not feasible to prevent exposures.
</td>
<td>
• RF Safety Guideline/NIER report must be submitted to RFSO for approval.
• MUST re-engineer site to reduce the EME fields.
• <u>No access allowed-Prohibited access!</u> There must be controls to detect any unauthorized enter and terminate the RF energy in the area.
• Lock out tag out of transmitters during the maintenance of the antenna system.
• PPE is not sufficient.
• Special RF training and PPE are required. (Applies only to individuals trained by RS).
</td>
<td>


RF WARNING & Pacemaker DANGER signage or appropriate DANGER sign shall be posted very near radiation RF sources or if appropriate DANGER sign.
</td>
</tr>
</table>

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Appendix 5 Information Pertaining to MPE Studies

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions. The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993. The new guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz and 100 GHz.

The FCC's MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP), and, over a wide range of frequencies, the exposure limits were developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC's limits, and the NCRP and ANSI/IEEE limits on which they are based, are derived from exposure criteria quantified in terms of specific absorption rate (SAR). The basis for these limits is a whole-body averaged SAR threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body, above which expert organizations have determined that potentially hazardous exposures may occur. The MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist, they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk.

The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies, whole-body absorption is less efficient, and consequently, the MPE limits are less restrictive.

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MPE limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm^2), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). The far-field of a transmitting antenna is where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions).

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area. Additional details can be found in FCC OET 65.

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Appendix 6 MPE Standards Methodology

This study predicts RF field strength and power density levels that emanate from communications system antennae. It considers all transmitter power levels (less filter and line losses) delivered to each active transmitting antenna at the communications site. Calculations are performed to determine power density and MPE levels for each antenna as well as composite levels from all antennas. The calculated levels are based on where a human (Observer) would be standing at various locations at the site. The point of interest where the MPE level is predicted is based on the height of the Observer.

Compliance with the FCC limits on RF emissions are determined by spatially averaging a person's exposure over the projected area of an adult human body, that is approximately six-feet or two-meters, as defined in the ANSI/IEEE C95.1 standard. The MPE limits are specified as time-averaged exposure limits. This means that exposure is averaged over an identifiable time interval. It is 30 minutes for the general population/uncontrolled RF environment and 6 minutes for the occupational/controlled RF environment. However, in the case of the general public, time averaging should not be applied because the general public is typically not aware of RF exposure, and they do not have control of their exposure time. Therefore, it should be assumed that any RF exposure to the general public will be continuous.

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The FCC's limits for exposure at different frequencies are shown in the following Tables.

Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)**
0.3 - 3.0	614	1.63	100*	6
3.0 - 30	1842/f	4.89/f	$900/F^2$	6
30 - 300	61.4	0.163	1.0	6
300 - 1500	--	--	f/300	6
1500 - 100,000	--	--	5	6

f = frequency

* = Plane-wave equivalent power density

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Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)**
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	$180/F^2$	30
30 -300	27.5	0.073	0.2	30
300 -1500	--	--	f/1500	30
1500 -100,000	--	--	1.0	30

f = frequency

* = Plane-wave equivalent power density

General population/uncontrolled exposures apply in situations in which the general public may be exposed or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

It is important to understand that these limits apply cumulatively to all sources of RF emissions affecting a given area. For example, if several different communications system antennas occupy a shared facility such as a tower or rooftop, then the total exposure from all systems at the facility must be within compliance of the FCC guidelines.

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The field strength emanating from an antenna can be estimated based on the characteristics of an antenna radiating in free space. There are basically two field areas associated with a radiating antenna. When close to the antenna, the region is known as the Near Field. Within this region, the characteristics of the RF fields are very complex, and the wave front is extremely curved. As you move further from the antenna, the wave front has less curvature and becomes planar. The wave front still has a curvature, but it appears to occupy a flat plane in space (plane-wave radiation). This region is known as the Far Field.

Two models are utilized to predict Near and Far field power densities. They are based on the formulae in FCC OET 65.

Cylindrical Model (Near Field Predictions)

Spatially averaged plane-wave equivalent power densities parallel to the antenna may be estimated by dividing the antenna input power by the surface area of an imaginary cylinder surrounding the length of the radiating antenna. While the actual power density will vary along the height of the antenna, the average value along its length will closely follow the relation given by the following equation:

$$S = P \div 2\pi RL$$

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

For directional-type antennas, power densities can be estimated by dividing the input power by that portion of a cylindrical surface area corresponding to the angular beam width of the antenna.

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For example, for the case of a 120-degree azimuthal beam width, the surface area should correspond to 1/3 that of a full cylinder. This would increase the power density near the antenna by a factor of three over that for a purely omni-directional antenna. Mathematically, this can be represented by the following formula:

$$S = (180 / \theta_{BW}) P \div \pi RL$$

Where:

S = Power Density

θ_{BW} = Beam width of antenna in degrees (3 dB half-power point)

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

If the antenna is a 360-degree omni-directional antenna, this formula would be equivalent to the previous formula.

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Spherical Model (Far Field Predictions)

Spatially averaged plane-wave power densities in the Far Field of an antenna may be estimated by considering the additional factors of antenna gain and reflective waves that would contribute to exposure.

The radiation pattern of an antenna has developed in the Far Field region and the power gain needs to be considered in exposure predictions. Also, if the vertical radiation pattern of the antenna is considered, the exposure predictions would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential four-fold increase in power density.

These additional factors are considered, and the Far Field prediction model is determined by the following equation:

$$S = EIRP \times Rc \div 4\pi R^2$$

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

The EIRP includes the antenna gain. If the antenna pattern is considered, the antenna gain is relative based on the horizontal and vertical pattern gain values at that particular location in space, on a rooftop or on the ground. However, it is recommended that the antenna radiation pattern characteristics not be considered to provide a conservative "worst case" prediction. This is the equation is utilized for the Far Field exposure predictions herein.

EXISTING - NORTH VIEW

PROPOSED - NORTH VIEW

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PHONE: (248) 705-9212

REV.	DESCRIPTION	BY	DATE
A	PHOTOSIM	PL	01/10/2025

ATC SITE NUMBER:
82679
ATC SITE NAME:
HAILEY ID
VERIZON SITE NAME:
HAILEY
SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

verizon

ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

PHOTOSIM

SHEET NUMBER:	REVISION:
P-1	0

EXISTING - SOUTH / WEST VIEW

PROPOSED - SOUTH / WEST VIEW

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Wixom, Michigan 48393
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REV.	DESCRIPTION	BY	DATE
A	PHOTOSIM	PL	01/10/2025

ATC SITE NUMBER:
82679

ATC SITE NAME:
HAILEY ID

VERIZON SITE NAME:
HAILEY

SITE ADDRESS:
UNIT 6, 1141 AIRPORT WAY
HAILEY, ID 83333-8771

verizon

ATC JOB NO:	14920018_G0
CUSTOMER ID:	HAILEY
CUSTOMER #:	5000062841

PHOTOSIM

SHEET NUMBER:	REVISION:
P-2	0

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CORPORATION

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POWER OF DESIGN

Structural Analysis Report

Structure	:	100 ft Monopole
ATC Asset Name	:	HAILEY ID
ATC Asset Number	:	82679
Engineering Number	:	14920018_C3_03
Proposed Carrier	:	VERIZON WIRELESS
Carrier Site Name	:	HAILEY
Carrier Site Number	:	5000062841
Site Location	:	Unit 6, 1141 Airport Way Hailey, ID 83333-8771 43.51° N, 114.3058° W
County	:	Blaine
Date	:	December 4, 2024
Max Usage	:	80%
Analysis Result	:	Pass

Created By:

Uma Toluganti
POD

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 100 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower:	Pirod Drawing #122093-B, Rev D, dated September 28, 1993
Foundation:	Pirod Drawing #122093-B, dated August 2, 1993
Geotechnical:	RZA Agra Project US West ID5Hailey, dated July 22, 1993

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:	103 mph (3-second gust)
Basic Wind Speed w/ Ice:	40 mph (3-second gust) w/ 0.25" radial ice concurrent
Code(s):	ANSI/TIA-222-H / 2018 IBC
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Spectral Response:	Ss = 0.45, S_1 = 0.15
Site Class:	D - Stiff Soil - Default

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.

Structure Usages

Structural Component	Usage	Control	Result
Pole Shaft	60.1%	1.2D + 1.0W	Pass
Serviceability Usage	23.5%	1.0D + 1.0W	Pass
Upper Flange Plate @ 80.0 ft	50.7%	Stiffener	Pass
Upper Flange Plate @ 60.0 ft	77.7%	Stiffener	Pass
Upper Flange Plate @ 40.0 ft	73.9%	Stiffener	Pass
Upper Flange Plate @ 20.0 ft	80.3%	Stiffener	Pass
Base Plate @ 0.0 ft	67.8%	Stiffener	Pass
Mat & Pier	69.4%	Moment [Soil]	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Shear (k)
Monopole Base	651.4	18.7	9.0

Reactions shown reflect the results from the Load Case with maximum Moment

Structure base reactions were analyzed using available geotechnical and foundation information.

VERIZON WIRELESS Final Loading

Elev (ft)	Qty	Equipment	Lines
95.0	1	Raycap RCMDC-6627-PF-48	(2) 1 5/8" Hybriflex (6) 7/8" Coax
	2	Alcatel-Lucent B25 RRH4x30-4R	
	3	Ericsson AIR 6419 B77D/ C-Band	
	3	Ericsson Radio 4490HP B5 B13	
	3	Ericsson Radio 4890HP B2 B66	
	6	Commscope NHH-65C-HG-R2B	
80.0	1	Andrew Microwaves HP6-59	(1) EW52
30.0	1	Andrew Microwaves VHP2-105	(1) E185 (1) EW90
	1	RFS SBX2-190CB	

Install proposed lines inside the pole shaft.

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines
95.0	1	Platform w/ Handrails	-
68.0	1	Ceragon AM-1-23-R	(1) 0.24" (6mm) Cat 5 (2) 1.25" (31.8mm) Hybrid (2) 3/8" Coax
	1	Ceragon FibeAir IP-20C	
	1	Samsung RRH-P4	
	2	Commscope TTTT65AP-1XR	
	2	T-Arm	
	2	RFS APXVBBLL20X_43-C-I20	
	2	Samsung 2.5GHz 8T8R RRH (2.5LTEV3 10KM)	
	2	Samsung RFD01F	
35.0	1	Andrew P2F-23-NXA w/ Radome	(1) EW180
23.0	-	-	(1) EW90

(If table breaks across pages, please see previous page for data in merged cells)

Standard Conditions

All engineering services performed by POD 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 Group

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

POD 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.

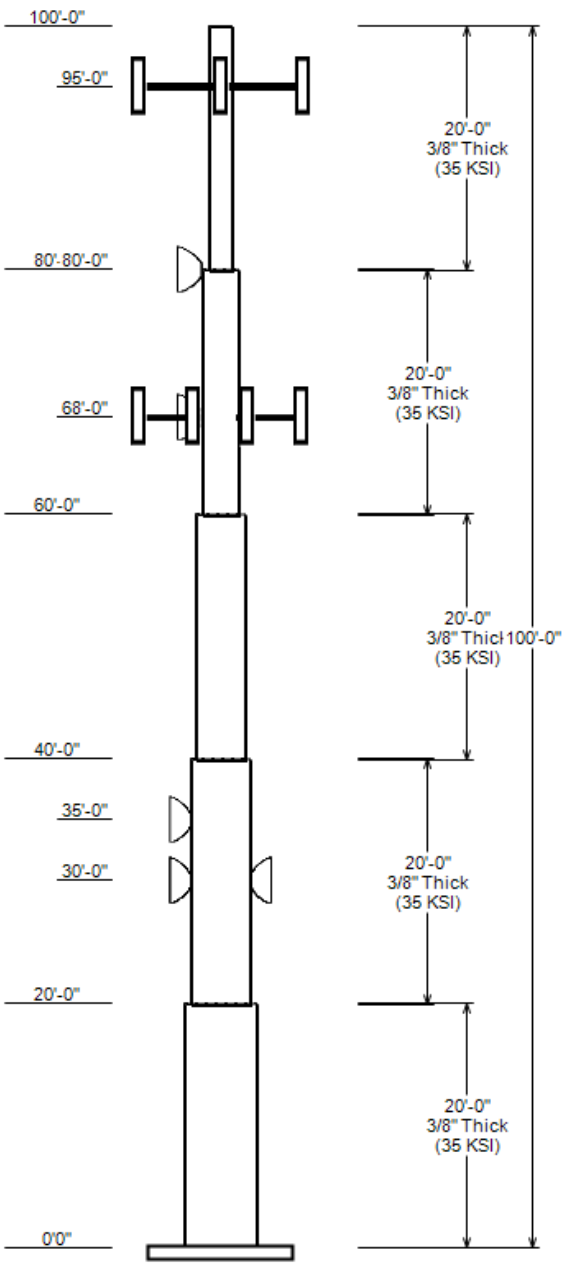
Unless explicitly agreed by both the client and POD Group, all services will be performed in accordance with the current revision of ANSI/TIA-222.

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 Group is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

ANALYSIS PARAMETERS

Design Wind:	103 mph	**Ice Wind:**	40 mph w/ 0.2" ice	**Service Wind:**	60 mph
Risk Category:	II	**Exposure:**	C	**S_s:** 0.454	**S_1:** 0.149
Topo Factor:	Method 1	**Topo Feature:**		**Topo Category:**	1
Structure Height:	100.0 ft	**Base Elevation:**	0.00 ft	**Structure Type:**	Stepped
Base Diameter:	36.00 in	**Base Rotation:**	0.00°	**Taper:**	0.0000 (in/ft)



POLE SECTION PROPERTIES

Section	Length (ft)	Flat Diameter (in) Top	Flat Diameter (in) Bottom	Thick (in)	Joint Type	Joint Length (in)	Pole Shape	Yield Strength (ksi)
1	20.000	36.00	36.00	0.375		0.00	Round	35
2	20.000	30.00	30.00	0.375	Butt Joint	0.00	Round	35
3	20.000	24.00	24.00	0.375	Butt Joint	0.00	Round	35
4	20.000	18.00	18.00	0.375	Butt Joint	0.00	Round	35
5	20.000	12.00	12.00	0.375	Butt Joint	0.00	Round	35

DISCRETE APPURTENANCE

Elev (ft)	Description
95.0	(2) Alcatel-Lucent B25 RRH4x30-4R
95.0	(1) Flat Platform w/ Handrails
95.0	(1) Raycap RCMDC-6627-PF-48
95.0	(6) Commscope NHH-65C-HG-R2B
95.0	(3) Ericsson Radio 4890HP B2 B66
95.0	(3) Ericsson Radio 4490HP B5 B13
95.0	(3) Ericsson AIR 6419 B77D/ C-Band
80.0	(1) Andrew Microwaves HP6-59
68.0	(2) Samsung RFD01F
68.0	(1) Ceragon AM-1-23-R
68.0	(2) Commscope TTTT65AP-1XR
68.0	(2) Generic Flat T-Arm
68.0	(2) RFS APXVBBLL20X_43-C-I20
68.0	(2) Samsung 2.5GHz 8T8R RRH (2.5LT
68.0	(1) Ceragon FibeAir IP-20C
68.0	(1) Samsung RRH-P4
35.0	(1) Andrew P2F-23-NXA w/ Radome
30.0	(1) Andrew Microwaves VHP2-105
30.0	(1) RFS SBX2-190CB

LINEAR APPURTENANCE

Elev To (ft)	Description
95.0	(2) 1 5/8" Hybriflex
95.0	(6) 7/8" Coax
80.0	(1) EW52
68.0	(2) 3/8" Coax
68.0	(2) 1.25" (31.8mm) Hybrid
68.0	(1) 0.24" (6mm) Cat 5
35.0	(1) EW180
30.0	(1) EW90
30.0	(1) E185
23.0	(1) EW90

DISH SERVICEABILITY

Load Case	Elevation (ft)	Deflection (in)	Rotation (°)
1.0D + 1.0W	30.0	0.7079	0.2246
1.0D + 1.0W	35.0	0.9661	0.2672
1.0D + 1.0W	68.0	3.8044	0.5657
1.0D + 1.0W	80.0	5.3817	0.6756

GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	651.44	18.66	8.95
0.9D + 1.0W	646.72	13.99	8.95
1.2D + 1.0Di + 1.0Wi	122.38	19.59	1.83
1.2D + 1.0Ev + 1.0Eh	120.74	19.05	1.49
0.9D - 1.0Ev + 1.0Eh	119.39	12.04	1.49
1.0D + 1.0W	199.90	15.56	2.75

ANALYSIS PARAMETERS

Location:	Blaine County,ID	**Height:**	100 ft
Type and Shape:	Stepped, Round	**Base Diameter:**	36.00 in
Manufacturer:	Pirod	**Top Diameter:**	12.00 in
K_d (non-service):	0.95	**Taper:**	0.0000 in/ft
K_e:	0.83	**Rotation:**	0.000º

ICE & WIND PARAMETERS

Risk Category:	II	**Design Wind Speed:**	103 mph
Exposure Category:	C	**Design Wind Speed w/ Ice:**	40 mph
Topo Factor Procedure:	Method 1	**Design Ice Thickness:**	0.25 in
Topographic Category:	1	**Service Wind Speed:**	60 mph
Crest Height:	0 ft	**HMSL:**	5305.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil		**Period Based on Rayleigh Method (sec):**		1.59
T_L (sec):	6	**P:**	1	**C_s:**	0.096
S_{ds}:	0.435	**S_{d1}:**	0.229	**C_s Max:**	0.096
S_s:	0.454	**S_1:**	0.149	**C_s Min:**	0.030
F_a:	1.437	**F_v:**	2.302		

LOAD CASES

1.2D + 1.0W	103 mph Wind with No Ice
0.9D + 1.0W	103 mph Wind with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	40 mph Wind with 0.25" 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

SHAFT SECTION PROPERTIES

							Bottom						Top						
Section	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-R	20.00	0.3750	35		0.00	2,856	36.00	0.000	41.97	6,663.3	0.00	96.00	36.00	20.00	41.97	6,663.3	0.00	96.00	0.0000
2-R	20.00	0.3750	35	Butt	0.00	2,375	30.00	20.000	34.90	3,831.8	0.00	80.00	30.00	40.00	34.90	3,831.8	0.00	80.00	0.0000
3-R	20.00	0.3750	35	Butt	0.00	1,894	24.00	40.000	27.83	1,943.3	0.00	64.00	24.00	60.00	27.83	1,943.3	0.00	64.00	0.0000
4-R	20.00	0.3750	35	Butt	0.00	1,413	18.00	60.000	20.76	806.9	0.00	48.00	18.00	80.00	20.76	806.9	0.00	48.00	0.0000
5-R	20.00	0.3750	35	Butt	0.00	932	12.00	80.000	13.70	231.5	0.00	32.00	12.00	100.00	13.70	231.5	0.00	32.00	0.0000
			Total Shaft Weight			**9,470**													

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
95.00	Ericsson Radio 4490HP B5 B13	3	0.75	0.000	68.00	2.202	0.50	77.44	2.357	0.50
95.00	Ericsson Radio 4890HP B2 B66	3	0.75	0.000	68.00	2.202	0.50	77.57	2.357	0.50
95.00	Alcatel-Lucent B25 RRH4x30-4R	2	0.75	0.000	51.00	2.140	0.50	60.68	2.299	0.50
95.00	Commscope NHH-65C-HG-R2B	6	0.75	0.000	57.30	11.389	0.70	93.67	11.903	0.70
95.00	Flat Platform w/ Handrails	1	1.00	0.000	2666.70	56.530	1.00	2968.23	60.979	1.00
95.00	Ericsson AIR 6419 B77D/ C-Band	3	0.75	0.000	64.00	3.797	0.64	78.91	4.007	0.64
95.00	Raycap RCMDC-6627-PF-48	1	0.75	0.000	32.00	4.056	1.00	52.22	4.273	1.00
80.00	Andrew Microwaves HP6-59	1	1.00	0.000	359.00	40.270	1.00	483.88	40.849	1.00
68.00	RFS APXVBBLL20X_43-C-I20	2	0.90	0.000	85.30	14.348	0.73	130.48	14.839	0.73
68.00	Commscope TTTT65AP-1XR	2	0.90	0.000	32.60	6.968	0.73	53.73	7.343	0.73
68.00	Samsung 2.5GHz 8T8R RRH (2.5LT	2	0.90	0.000	59.80	2.663	0.67	71.22	2.830	0.67
68.00	Samsung RRH-P4	1	0.90	0.000	60.00	2.250	0.67	69.42	2.402	0.67
68.00	Samsung RFD01F	2	0.90	0.000	48.50	1.323	0.50	55.21	1.440	0.50
68.00	Ceragon AM-1-23-R	1	1.00	0.000	10.00	1.307	1.00	11.97	1.429	1.00
68.00	Ceragon FibeAir IP-20C	1	0.90	0.000	14.30	0.690	1.00	17.34	0.776	1.00
68.00	Generic Flat T-Arm	2	0.90	0.000	312.50	12.900	0.90	352.72	14.159	0.90
35.00	Andrew P2F-23-NXA w/ Radome	1	1.00	0.000	20.00	2.710	1.00	31.91	2.825	1.00
30.00	RFS SBX2-190CB	1	0.90	0.000	26.50	5.390	1.00	42.26	5.583	1.00
30.00	Andrew Microwaves VHP2-105	1	0.90	0.000	90.00	3.960	1.00	101.72	4.125	1.00
Totals	**Row Count: 19**	**36**			**5,401.70**			**6,490.81**		

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	95.00	6	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	95.00	2	1 5/8" Hybriflex	1.98	1.3	N	2	1.49	1.49	60	0	Y	VERIZON WIRELESS
0.00	80.00	1	EW52	2.25	0.59	N	1	1.63	1.63	100	0	Y	VERIZON WIRELESS
0.00	68.00	2	1.25" (31.8mm) Hybrid	1.25	1.21	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	68.00	2	3/8" Coax	0.44	0.08	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	68.00	1	0.24" (6mm) Cat 5	0.24	0.04	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	35.00	1	EW180	0.79	0.15	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	30.00	1	EW90	1.32	0.32	N	1	1.16	1.16	95	0	Y	VERIZON WIRELESS
0.00	30.00	1	E185	0.8	0.2	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	23.00	1	EW90	1.32	0.32	N	0	0	0	0	0	N	VERIZON WIRELESS

ADDITIONAL STEEL

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Hole Diameter (in)	Linear Weight (lb/ft)	Thickness (in)	Weight (lb)	Length (ft)
								Totals:		

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	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3750	36.000	41.970	6,663.30	0.00	96.00	34.8	370.2	475.9	0.0
5.00		0.3750	36.000	41.970	6,663.30	0.00	96.00	34.8	370.2	475.9	714.1
10.00		0.3750	36.000	41.970	6,663.30	0.00	96.00	34.8	370.2	475.9	714.1
15.00		0.3750	36.000	41.970	6,663.30	0.00	96.00	34.8	370.2	475.9	714.1
20.00	Top - Section 1	0.3750	36.000	41.970	6,663.30	0.00	96.00	34.8	370.2	475.9	714.1
20.00	Bot - Section 2	0.3750	30.000	34.901	3,831.80	0.00	80.00	35	255.5	329.1	
25.00		0.3750	30.000	34.901	3,831.80	0.00	80.00	35	255.5	329.1	593.8
30.00		0.3750	30.000	34.901	3,831.80	0.00	80.00	35	255.5	329.1	593.8
35.00		0.3750	30.000	34.901	3,831.80	0.00	80.00	35	255.5	329.1	593.8
40.00	Top - Section 2	0.3750	30.000	34.901	3,831.80	0.00	80.00	35	255.5	329.1	593.8
40.00	Bot - Section 3	0.3750	24.000	27.833	1,943.30	0.00	64.00	35	161.9	209.3	
45.00		0.3750	24.000	27.833	1,943.30	0.00	64.00	35	161.9	209.3	473.5
50.00		0.3750	24.000	27.833	1,943.30	0.00	64.00	35	161.9	209.3	473.5
55.00		0.3750	24.000	27.833	1,943.30	0.00	64.00	35	161.9	209.3	473.5
60.00	Top - Section 3	0.3750	24.000	27.833	1,943.30	0.00	64.00	35	161.9	209.3	473.5
60.00	Bot - Section 4	0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	
65.00		0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	353.3
68.00		0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	212.0
70.00		0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	141.3
75.00		0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	353.3
80.00	Top - Section 4	0.3750	18.000	20.764	806.90	0.00	48.00	35	89.7	116.5	353.3
80.00	Bot - Section 5	0.3750	12.000	13.695	231.50	0.00	32.00	35	38.6	50.7	
85.00		0.3750	12.000	13.695	231.50	0.00	32.00	35	38.6	50.7	233.0
90.00		0.3750	12.000	13.695	231.50	0.00	32.00	35	38.6	50.7	233.0
95.00		0.3750	12.000	13.695	231.50	0.00	32.00	35	38.6	50.7	233.0
100.00		0.3750	12.000	13.695	231.50	0.00	32.00	35	38.6	50.7	233.0
										Total:	**9,470.8**

CALCULATED FORCES

Load Case: 1.2D + 1.0W — 103 mph Wind with No Ice — 20 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	-18.66	-8.95	0.00	-651.4	0.00	651.44	1,313.82	396.61	1,242.23	1,145.34	0	0	0.583
5.00	-17.73	-8.81	0.00	-606.7	0.00	606.67	1,313.82	396.61	1,242.23	1,145.34	0.07	-0.13	0.544
10.00	-16.81	-8.67	0.00	-562.6	0.00	562.61	1,313.82	396.61	1,242.23	1,145.34	0.28	-0.26	0.504
15.00	-15.88	-8.51	0.00	-519.3	0.00	519.28	1,313.82	396.61	1,242.23	1,145.34	0.61	-0.37	0.466
20.00	-14.96	-8.36	0.00	-476.7	0.00	476.73	1,313.82	396.61	1,242.23	1,145.34	1.06	-0.48	0.428
20.00	-14.96	-8.36	0.00	-476.7	0.00	476.73	1,099.39	329.82	859.03	814.32	1.06	-0.48	0.600
25.00	-14.18	-8.21	0.00	-435.0	0.00	434.96	1,099.39	329.82	859.03	814.32	1.62	-0.58	0.548
30.00	-13.26	-7.87	0.00	-393.9	0.00	393.89	1,099.39	329.82	859.03	814.32	2.31	-0.73	0.496
35.00	-12.46	-7.65	0.00	-354.5	0.00	354.53	1,099.39	329.82	859.03	814.32	3.15	-0.87	0.447
40.00	-11.69	-7.49	0.00	-316.3	0.00	316.30	1,099.39	329.82	859.03	814.32	4.13	-1	0.400
40.00	-11.69	-7.49	0.00	-316.3	0.00	316.30	876.73	263.02	546.31	539.02	4.13	-1	0.601
45.00	-11.06	-7.36	0.00	-278.8	0.00	278.83	876.73	263.02	546.31	539.02	5.23	-1.11	0.531
50.00	-10.42	-7.23	0.00	-242.0	0.00	242.03	876.73	263.02	546.31	539.02	6.49	-1.3	0.462
55.00	-9.79	-7.08	0.00	-205.9	0.00	205.89	876.73	263.02	546.31	539.02	7.94	-1.46	0.394
60.00	-9.17	-6.94	0.00	-170.5	0.00	170.49	876.73	263.02	546.31	539.02	9.54	-1.6	0.327
60.00	-9.17	-6.94	0.00	-170.5	0.00	170.49	654.06	196.22	304.05	305.83	9.54	-1.6	0.573
65.00	-8.68	-6.85	0.00	-135.8	0.00	135.77	654.06	196.22	304.05	305.83	11.28	-1.71	0.458
68.00	-7.05	-5.20	0.00	-115.2	0.00	115.24	654.06	196.22	304.05	305.83	12.4	-1.84	0.388
70.00	-6.86	-5.11	0.00	-104.8	0.00	104.85	654.06	196.22	304.05	305.83	13.19	-1.92	0.354
75.00	-6.40	-4.98	0.00	-79.3	0.00	79.28	654.06	196.22	304.05	305.83	15.29	-2.08	0.270
80.00	-5.55	-3.70	0.00	-54.4	0.00	54.38	654.06	196.22	304.05	305.83	17.53	-2.2	0.187
80.00	-5.55	-3.70	0.00	-54.4	0.00	54.38	431.40	129.42	132.28	133.08	17.53	-2.2	0.422
85.00	-5.24	-3.61	0.00	-35.8	0.00	35.85	431.40	129.42	132.28	133.08	19.88	-2.28	0.282
90.00	-4.93	-3.51	0.00	-17.8	0.00	17.81	431.40	129.42	132.28	133.08	22.37	-2.45	0.146

CALCULATED FORCES

95.00	-0.28	-0.06	0.00	-0.3	0.00	0.28	431.40	129.42	132.28	133.08	24.97	-2.5	0.003
100.00	0.00	-0.04	0.00	0.0	0.00	0.00	431.40	129.42	132.28	133.08	27.59	-2.5	0.000

CALCULATED FORCES

Load Case: 0.9D + 1.0W — 103 mph Wind with No Ice (Reduced DL) — 20 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	-13.99	-8.95	0.00	-646.7	0.00	646.72	1,313.82	396.61	1,242.23	1,145.34	0	0	0.576
5.00	-13.29	-8.80	0.00	-602.0	0.00	601.98	1,313.82	396.61	1,242.23	1,145.34	0.07	-0.13	0.536
10.00	-12.59	-8.64	0.00	-558.0	0.00	558.00	1,313.82	396.61	1,242.23	1,145.34	0.28	-0.26	0.497
15.00	-11.90	-8.48	0.00	-514.8	0.00	514.79	1,313.82	396.61	1,242.23	1,145.34	0.61	-0.37	0.459
20.00	-11.20	-8.32	0.00	-472.4	0.00	472.39	1,313.82	396.61	1,242.23	1,145.34	1.05	-0.48	0.421
20.00	-11.20	-8.32	0.00	-472.4	0.00	472.39	1,099.39	329.82	859.03	814.32	1.05	-0.48	0.591
25.00	-10.61	-8.17	0.00	-430.8	0.00	430.80	1,099.39	329.82	859.03	814.32	1.61	-0.57	0.539
30.00	-9.92	-7.82	0.00	-389.9	0.00	389.94	1,099.39	329.82	859.03	814.32	2.29	-0.73	0.488
35.00	-9.32	-7.59	0.00	-350.8	0.00	350.82	1,099.39	329.82	859.03	814.32	3.12	-0.86	0.440
40.00	-8.73	-7.44	0.00	-312.8	0.00	312.85	1,099.39	329.82	859.03	814.32	4.09	-0.99	0.393
40.00	-8.73	-7.44	0.00	-312.8	0.00	312.85	876.73	263.02	546.31	539.02	4.09	-0.99	0.591
45.00	-8.26	-7.30	0.00	-275.7	0.00	275.66	876.73	263.02	546.31	539.02	5.19	-1.1	0.522
50.00	-7.78	-7.16	0.00	-239.2	0.00	239.16	876.73	263.02	546.31	539.02	6.43	-1.28	0.453
55.00	-7.30	-7.01	0.00	-203.4	0.00	203.35	876.73	263.02	546.31	539.02	7.87	-1.45	0.386
60.00	-6.83	-6.87	0.00	-168.3	0.00	168.29	876.73	263.02	546.31	539.02	9.46	-1.58	0.321
60.00	-6.83	-6.87	0.00	-168.3	0.00	168.29	654.06	196.22	304.05	305.83	9.46	-1.58	0.562
65.00	-6.46	-6.77	0.00	-133.9	0.00	133.93	654.06	196.22	304.05	305.83	11.17	-1.69	0.449
68.00	-5.25	-5.13	0.00	-113.6	0.00	113.61	654.06	196.22	304.05	305.83	12.28	-1.82	0.380
70.00	-5.10	-5.05	0.00	-103.3	0.00	103.34	654.06	196.22	304.05	305.83	13.06	-1.9	0.346
75.00	-4.76	-4.92	0.00	-78.1	0.00	78.09	654.06	196.22	304.05	305.83	15.14	-2.06	0.263
80.00	-4.13	-3.65	0.00	-53.5	0.00	53.50	654.06	196.22	304.05	305.83	17.36	-2.18	0.182
80.00	-4.13	-3.65	0.00	-53.5	0.00	53.50	431.40	129.42	132.28	133.08	17.36	-2.18	0.412
85.00	-3.90	-3.55	0.00	-35.3	0.00	35.26	431.40	129.42	132.28	133.08	19.68	-2.25	0.275
90.00	-3.67	-3.45	0.00	-17.5	0.00	17.51	431.40	129.42	132.28	133.08	22.14	-2.42	0.141
95.00	-0.21	-0.05	0.00	-0.3	0.00	0.27	431.40	129.42	132.28	133.08	24.71	-2.47	0.002
100.00	0.00	-0.04	0.00	0.0	0.00	0.00	431.40	129.42	132.28	133.08	27.29	-2.47	0.000

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi — 40 mph Wind with 0.25" Radial Ice — 19 Iterations

Gust Response Factor: 1.10 — Ice Dead Load Factor 1.00
Dead load Factor: 1.20 — Ice Importance 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	-19.59	-1.83	0.00	-122.4	0.00	122.38	1,313.82	396.61	1,242.23	1,145.34	0	0	0.122
5.00	-18.64	-1.78	0.00	-113.2	0.00	113.23	1,313.82	396.61	1,242.23	1,145.34	0.01	-0.03	0.113
10.00	-17.67	-1.74	0.00	-104.3	0.00	104.31	1,313.82	396.61	1,242.23	1,145.34	0.05	-0.05	0.105
15.00	-16.71	-1.68	0.00	-95.6	0.00	95.63	1,313.82	396.61	1,242.23	1,145.34	0.11	-0.07	0.096
20.00	-15.74	-1.64	0.00	-87.2	0.00	87.21	1,313.82	396.61	1,242.23	1,145.34	0.2	-0.09	0.088
20.00	-15.74	-1.64	0.00	-87.2	0.00	87.21	1,099.39	329.82	859.03	814.32	0.2	-0.09	0.121
25.00	-14.92	-1.59	0.00	-79.0	0.00	79.03	1,099.39	329.82	859.03	814.32	0.3	-0.11	0.111
30.00	-13.97	-1.51	0.00	-71.1	0.00	71.09	1,099.39	329.82	859.03	814.32	0.43	-0.13	0.100
35.00	-13.13	-1.45	0.00	-63.5	0.00	63.54	1,099.39	329.82	859.03	814.32	0.58	-0.16	0.090
40.00	-12.32	-1.40	0.00	-56.3	0.00	56.29	1,099.39	329.82	859.03	814.32	0.76	-0.18	0.080
40.00	-12.32	-1.40	0.00	-56.3	0.00	56.29	876.73	263.02	546.31	539.02	0.76	-0.18	0.119
45.00	-11.66	-1.36	0.00	-49.3	0.00	49.29	876.73	263.02	546.31	539.02	0.96	-0.2	0.105
50.00	-11.01	-1.31	0.00	-42.5	0.00	42.51	876.73	263.02	546.31	539.02	1.19	-0.24	0.091
55.00	-10.35	-1.27	0.00	-35.9	0.00	35.94	876.73	263.02	546.31	539.02	1.46	-0.26	0.079
60.00	-9.69	-1.22	0.00	-29.6	0.00	29.61	876.73	263.02	546.31	539.02	1.74	-0.29	0.066
60.00	-9.69	-1.22	0.00	-29.6	0.00	29.61	654.06	196.22	304.05	305.83	1.74	-0.29	0.112
65.00	-9.18	-1.19	0.00	-23.5	0.00	23.49	654.06	196.22	304.05	305.83	2.06	-0.31	0.091
68.00	-7.47	-0.92	0.00	-19.9	0.00	19.90	654.06	196.22	304.05	305.83	2.26	-0.33	0.077
70.00	-7.27	-0.89	0.00	-18.1	0.00	18.06	654.06	196.22	304.05	305.83	2.4	-0.34	0.070
75.00	-6.78	-0.86	0.00	-13.6	0.00	13.59	654.06	196.22	304.05	305.83	2.77	-0.37	0.055
80.00	-5.85	-0.64	0.00	-9.3	0.00	9.32	654.06	196.22	304.05	305.83	3.17	-0.39	0.039
80.00	-5.85	-0.64	0.00	-9.3	0.00	9.32	431.40	129.42	132.28	133.08	3.17	-0.39	0.084
85.00	-5.52	-0.62	0.00	-6.1	0.00	6.10	431.40	129.42	132.28	133.08	3.59	-0.41	0.059
90.00	-5.19	-0.59	0.00	-3.0	0.00	3.02	431.40	129.42	132.28	133.08	4.03	-0.43	0.035
95.00	-0.30	-0.02	0.00	-0.1	0.00	0.08	431.40	129.42	132.28	133.08	4.49	-0.44	0.001
100.00	0.00	-0.01	0.00	0.0	0.00	0.00	431.40	129.42	132.28	133.08	4.96	-0.44	0.000

CALCULATED FORCES

Load Case: 1.0D + 1.0W — 60 mph Wind with No Ice — 19 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	-15.56	-2.75	0.00	-199.9	0.00	199.90	1,313.82	396.61	1,242.23	1,145.34	0	0	0.186
5.00	-14.80	-2.71	0.00	-186.2	0.00	186.15	1,313.82	396.61	1,242.23	1,145.34	0.02	-0.04	0.174
10.00	-14.04	-2.66	0.00	-172.6	0.00	172.62	1,313.82	396.61	1,242.23	1,145.34	0.09	-0.08	0.161
15.00	-13.28	-2.61	0.00	-159.3	0.00	159.32	1,313.82	396.61	1,242.23	1,145.34	0.19	-0.11	0.149
20.00	-12.52	-2.56	0.00	-146.3	0.00	146.27	1,313.82	396.61	1,242.23	1,145.34	0.33	-0.15	0.137
20.00	-12.52	-2.56	0.00	-146.3	0.00	146.27	1,099.39	329.82	859.03	814.32	0.33	-0.15	0.191
25.00	-11.88	-2.52	0.00	-133.4	0.00	133.45	1,099.39	329.82	859.03	814.32	0.5	-0.18	0.175
30.00	-11.13	-2.41	0.00	-120.9	0.00	120.86	1,099.39	329.82	859.03	814.32	0.71	-0.22	0.159
35.00	-10.47	-2.34	0.00	-108.8	0.00	108.79	1,099.39	329.82	859.03	814.32	0.97	-0.27	0.143
40.00	-9.84	-2.30	0.00	-97.1	0.00	97.07	1,099.39	329.82	859.03	814.32	1.27	-0.31	0.128
40.00	-9.84	-2.30	0.00	-97.1	0.00	97.07	876.73	263.02	546.31	539.02	1.27	-0.31	0.191
45.00	-9.33	-2.26	0.00	-85.6	0.00	85.58	876.73	263.02	546.31	539.02	1.6	-0.34	0.169
50.00	-8.81	-2.22	0.00	-74.3	0.00	74.29	876.73	263.02	546.31	539.02	1.99	-0.4	0.148
55.00	-8.30	-2.17	0.00	-63.2	0.00	63.21	876.73	263.02	546.31	539.02	2.44	-0.45	0.127
60.00	-7.78	-2.13	0.00	-52.4	0.00	52.36	876.73	263.02	546.31	539.02	2.93	-0.49	0.106
60.00	-7.78	-2.13	0.00	-52.4	0.00	52.36	654.06	196.22	304.05	305.83	2.93	-0.49	0.183
65.00	-7.39	-2.10	0.00	-41.7	0.00	41.72	654.06	196.22	304.05	305.83	3.46	-0.52	0.148
68.00	-6.00	-1.60	0.00	-35.4	0.00	35.42	654.06	196.22	304.05	305.83	3.8	-0.57	0.125
70.00	-5.85	-1.57	0.00	-32.2	0.00	32.22	654.06	196.22	304.05	305.83	4.05	-0.59	0.114
75.00	-5.47	-1.53	0.00	-24.4	0.00	24.35	654.06	196.22	304.05	305.83	4.69	-0.64	0.088
80.00	-4.73	-1.14	0.00	-16.7	0.00	16.68	654.06	196.22	304.05	305.83	5.38	-0.68	0.062
80.00	-4.73	-1.14	0.00	-16.7	0.00	16.68	431.40	129.42	132.28	133.08	5.38	-0.68	0.136
85.00	-4.48	-1.11	0.00	-11.0	0.00	10.96	431.40	129.42	132.28	133.08	6.1	-0.7	0.093
90.00	-4.22	-1.07	0.00	-5.4	0.00	5.43	431.40	129.42	132.28	133.08	6.87	-0.75	0.051
95.00	-0.23	-0.02	0.00	-0.1	0.00	0.10	431.40	129.42	132.28	133.08	7.66	-0.77	0.001
100.00	0.00	-0.02	0.00	0.0	0.00	0.00	431.40	129.42	132.28	133.08	8.47	-0.77	0.000

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

(Based on ASCE7-16 Chapters 11, 12 and 15)

Spectral Response Acceleration for Short Period (S_S):	0.454
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.149
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a:	1.437
Site Coefficient F_v:	2.302
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.435
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.229
Seismic Response Coefficient (C_s):	0.096
Upper Limit C_S:	0.096
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	1.590
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.550
Total Unfactored Dead Load:	15.560 k
Seismic Base Shear (E):	1.490 k

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh **Seismic**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
21	97.5	233	277	0.031	46	300
20	92.5	256	281	0.031	46	329
19	87.5	256	258	0.028	42	329
18	82.5	256	235	0.026	39	329
17	77.5	379	316	0.035	52	488
16	72.5	379	285	0.032	47	488
15	69	152	106	0.012	17	195
14	66.5	235	155	0.017	26	303
13	62.5	392	235	0.026	39	505
12	57.5	512	269	0.030	44	660
11	52.5	512	234	0.026	39	660
10	47.5	512	201	0.022	33	660
9	42.5	512	169	0.019	28	660
8	37.5	633	172	0.019	28	814
7	32.5	634	138	0.015	23	815
6	27.5	636	107	0.012	18	819
5	22.5	637	79	0.009	13	820
4	17.5	758	63	0.007	10	975
3	12.5	758	38	0.004	6	975
2	7.5	758	17	0.002	3	975
1	2.5	758	3	0.000	1	975
Alcatel-Lucent B25 RRH4x30-4R	95	102	117	0.013	19	131
Ericsson Radio 4890HP B2 B66	95	204	233	0.026	38	263
Ericsson Radio 4490HP B5 B13	95	204	233	0.026	38	263
Ericsson AIR 6419 B77D/ C-Band	95	192	219	0.024	36	247
Raycap RCMDC-6627-PF-48	95	32	37	0.004	6	41
Commscope NHH-65C-HG-R2B	95	344	393	0.043	65	442
Flat Platform w/ Handrails	95	2,667	3,047	0.337	502	3,432
Andrew Microwaves HP6-59	80	359	314	0.035	52	462
Ceragon FibeAir IP-20C	68	14	10	0.001	2	18
Ceragon AM-1-23-R	68	10	7	0.001	1	13
Samsung RFD01F	68	97	66	0.007	11	125
Samsung RRH-P4	68	60	41	0.004	7	77
Samsung 2.5GHz 8T8R RRH (2.5LTEV3 10KM)	68	120	81	0.009	13	154
Commscope TTTT65AP-1XR	68	65	44	0.005	7	84
Generic Flat T-Arm	68	625	426	0.047	70	804
RFS APXVBBLL20X_43-C-I20	68	171	116	0.013	19	220
Andrew P2F-23-NXA w/ Radome	35	20	5	0.000	1	26

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh **Seismic**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
Andrew Microwaves VHP2-105	30	90	17	0.002	3	116
RFS SBX2-190CB	30	26	5	0.001	1	34
	Totals:	**15,561**	**9,048**	**1.000**	**1,490**	**20,027**

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)
21	97.5	233	277	0.031	46	189
20	92.5	256	281	0.031	46	208
19	87.5	256	258	0.028	42	208
18	82.5	256	235	0.026	39	208
17	77.5	379	316	0.035	52	308
16	72.5	379	285	0.032	47	308
15	69	152	106	0.012	17	123
14	66.5	235	155	0.017	26	191
13	62.5	392	235	0.026	39	319
12	57.5	512	269	0.030	44	417
11	52.5	512	234	0.026	39	417
10	47.5	512	201	0.022	33	417
9	42.5	512	169	0.019	28	417
8	37.5	633	172	0.019	28	514
7	32.5	634	138	0.015	23	515
6	27.5	636	107	0.012	18	517
5	22.5	637	79	0.009	13	518
4	17.5	758	63	0.007	10	616
3	12.5	758	38	0.004	6	616
2	7.5	758	17	0.002	3	616
1	2.5	758	3	0.000	1	616
Alcatel-Lucent B25 RRH4x30-4R	95	102	117	0.013	19	83
Ericsson Radio 4890HP B2 B66	95	204	233	0.026	38	166
Ericsson Radio 4490HP B5 B13	95	204	233	0.026	38	166
Ericsson AIR 6419 B77D/ C-Band	95	192	219	0.024	36	156
Raycap RCMDC-6627-PF-48	95	32	37	0.004	6	26
Commscope NHH-65C-HG-R2B	95	344	393	0.043	65	280
Flat Platform w/ Handrails	95	2,667	3,047	0.337	502	2,168
Andrew Microwaves HP6-59	80	359	314	0.035	52	292
Ceragon FibeAir IP-20C	68	14	10	0.001	2	12
Ceragon AM-1-23-R	68	10	7	0.001	1	8
Samsung RFD01F	68	97	66	0.007	11	79
Samsung RRH-P4	68	60	41	0.004	7	49
Samsung 2.5GHz 8T8R RRH (2.5LTEV3 10KM)	68	120	81	0.009	13	97
Commscope TTTT65AP-1XR	68	65	44	0.005	7	53
Generic Flat T-Arm	68	625	426	0.047	70	508
RFS APXVBBLL20X_43-C-I20	68	171	116	0.013	19	139
Andrew P2F-23-NXA w/ Radome	35	20	5	0.000	1	16
Andrew Microwaves VHP2-105	30	90	17	0.002	3	73
RFS SBX2-190CB	30	26	5	0.001	1	22
	Totals:	**15,561**	**9,048**	**1.000**	**1,490**	**12,652**

1.2D + 1.0Ev + 1.0Eh **Seismic**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-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	-19.05	-1.49	0.00	-120.74	0.00	120.74	1,313.82	396.61	1,242	1,145.34	0.00	0.00	0.12
5.00	-18.07	-1.50	0.00	-113.28	0.00	113.28	1,313.82	396.61	1,242	1,145.34	0.01	-0.02	0.11
10.00	-17.10	-1.50	0.00	-105.79	0.00	105.79	1,313.82	396.61	1,242	1,145.34	0.05	-0.05	0.11
15.00	-16.12	-1.49	0.00	-98.30	0.00	98.30	1,313.82	396.61	1,242	1,145.34	0.11	-0.07	0.10
20.00	-15.30	-1.48	0.00	-90.84	0.00	90.84	1,099.39	329.82	859	814.32	0.20	-0.09	0.13

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-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
20.00	-15.30	-1.48	0.00	-90.84	0.00	90.84	1,313.82	396.61	1,242	1,145.34	0.20	-0.09	0.09
25.00	-14.48	-1.47	0.00	-83.43	0.00	83.43	1,099.39	329.82	859	814.32	0.30	-0.11	0.12
30.00	-13.52	-1.45	0.00	-76.07	0.00	76.07	1,099.39	329.82	859	814.32	0.43	-0.14	0.11
35.00	-12.68	-1.42	0.00	-68.83	0.00	68.83	1,099.39	329.82	859	814.32	0.59	-0.17	0.10
40.00	-12.02	-1.40	0.00	-61.72	0.00	61.72	876.73	263.02	546	539.02	0.78	-0.19	0.13
40.00	-12.02	-1.40	0.00	-61.72	0.00	61.72	1,099.39	329.82	859	814.32	0.78	-0.19	0.09
45.00	-11.36	-1.37	0.00	-54.73	0.00	54.73	876.73	263.02	546	539.02	0.99	-0.21	0.12
50.00	-10.70	-1.33	0.00	-47.89	0.00	47.89	876.73	263.02	546	539.02	1.23	-0.25	0.10
55.00	-10.04	-1.29	0.00	-41.22	0.00	41.22	876.73	263.02	546	539.02	1.51	-0.28	0.09
60.00	-9.53	-1.25	0.00	-34.76	0.00	34.76	654.06	196.22	304	305.83	1.82	-0.31	0.13
60.00	-9.53	-1.25	0.00	-34.76	0.00	34.76	876.73	263.02	546	539.02	1.82	-0.31	0.08
65.00	-9.23	-1.23	0.00	-28.49	0.00	28.49	654.06	196.22	304	305.83	2.16	-0.33	0.11
68.00	-7.54	-1.08	0.00	-24.79	0.00	24.79	654.06	196.22	304	305.83	2.37	-0.36	0.09
70.00	-7.05	-1.03	0.00	-22.64	0.00	22.64	654.06	196.22	304	305.83	2.53	-0.38	0.09
75.00	-6.56	-0.98	0.00	-17.49	0.00	17.49	654.06	196.22	304	305.83	2.94	-0.41	0.07
80.00	-5.77	-0.88	0.00	-12.60	0.00	12.60	431.40	129.42	132	133.08	3.39	-0.44	0.11
80.00	-5.77	-0.88	0.00	-12.60	0.00	12.60	654.06	196.22	304	305.83	3.39	-0.44	0.05
85.00	-5.44	-0.84	0.00	-8.18	0.00	8.18	431.40	129.42	132	133.08	3.86	-0.46	0.07
90.00	-5.11	-0.79	0.00	-3.97	0.00	3.97	431.40	129.42	132	133.08	4.36	-0.49	0.04
95.00	0.00	0.00	0.00	0.00	0.00	0.00	431.40	129.42	132	133.08	4.89	-0.51	0.00
100.00	0.00	0.00	0.00	0.00	0.00	0.00	431.40	129.42	132	133.08	5.42	-0.51	0.00

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-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	-12.04	-1.49	0.00	-119.39	0.00	119.39	1,313.82	396.61	1,242	1,145.34	0.00	0.00	0.11
5.00	-11.42	-1.49	0.00	-111.93	0.00	111.93	1,313.82	396.61	1,242	1,145.34	0.01	-0.02	0.11
10.00	-10.80	-1.49	0.00	-104.46	0.00	104.46	1,313.82	396.61	1,242	1,145.34	0.05	-0.05	0.10
15.00	-10.18	-1.48	0.00	-97.01	0.00	97.01	1,313.82	396.61	1,242	1,145.34	0.11	-0.07	0.09
20.00	-9.67	-1.47	0.00	-89.59	0.00	89.59	1,099.39	329.82	859	814.32	0.20	-0.09	0.12
20.00	-9.67	-1.47	0.00	-89.59	0.00	89.59	1,313.82	396.61	1,242	1,145.34	0.20	-0.09	0.09
25.00	-9.15	-1.46	0.00	-82.23	0.00	82.23	1,099.39	329.82	859	814.32	0.30	-0.11	0.11
30.00	-8.54	-1.43	0.00	-74.93	0.00	74.93	1,099.39	329.82	859	814.32	0.43	-0.14	0.10
35.00	-8.01	-1.41	0.00	-67.76	0.00	67.76	1,099.39	329.82	859	814.32	0.59	-0.16	0.09
40.00	-7.59	-1.38	0.00	-60.72	0.00	60.72	876.73	263.02	546	539.02	0.77	-0.19	0.12
40.00	-7.59	-1.38	0.00	-60.72	0.00	60.72	1,099.39	329.82	859	814.32	0.77	-0.19	0.08
45.00	-7.17	-1.35	0.00	-53.81	0.00	53.81	876.73	263.02	546	539.02	0.98	-0.21	0.11
50.00	-6.76	-1.32	0.00	-47.05	0.00	47.05	876.73	263.02	546	539.02	1.21	-0.25	0.10
55.00	-6.34	-1.27	0.00	-40.48	0.00	40.48	876.73	263.02	546	539.02	1.49	-0.28	0.08
60.00	-6.02	-1.23	0.00	-34.12	0.00	34.12	654.06	196.22	304	305.83	1.79	-0.30	0.12
60.00	-6.02	-1.23	0.00	-34.12	0.00	34.12	876.73	263.02	546	539.02	1.79	-0.30	0.07
65.00	-5.83	-1.21	0.00	-27.95	0.00	27.95	654.06	196.22	304	305.83	2.13	-0.33	0.10
68.00	-4.76	-1.06	0.00	-24.31	0.00	24.31	654.06	196.22	304	305.83	2.34	-0.35	0.09
70.00	-4.45	-1.01	0.00	-22.20	0.00	22.20	654.06	196.22	304	305.83	2.49	-0.37	0.08
75.00	-4.14	-0.96	0.00	-17.14	0.00	17.14	654.06	196.22	304	305.83	2.90	-0.41	0.06
80.00	-3.64	-0.87	0.00	-12.34	0.00	12.34	431.40	129.42	132	133.08	3.34	-0.43	0.10
80.00	-3.64	-0.87	0.00	-12.34	0.00	12.34	654.06	196.22	304	305.83	3.34	-0.43	0.05
85.00	-3.44	-0.82	0.00	-8.01	0.00	8.01	431.40	129.42	132	133.08	3.80	-0.45	0.07
90.00	-3.23	-0.78	0.00	-3.89	0.00	3.89	431.40	129.42	132	133.08	4.30	-0.49	0.04
95.00	0.00	0.00	0.00	0.00	0.00	0.00	431.40	129.42	132	133.08	4.81	-0.50	0.00
100.00	0.00	0.00	0.00	0.00	0.00	0.00	431.40	129.42	132	133.08	5.34	-0.50	0.00

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	8.95	0.00	18.66	0.00	0.00	651.44	40.00	0.6
0.9D + 1.0W	8.95	0.00	13.99	0.00	0.00	646.72	40.00	0.59
1.2D + 1.0Di + 1.0Wi	1.83	0.00	19.59	0.00	0.00	122.38	0.00	0.12
1.2D + 1.0Ev + 1.0Eh	1.49	0.00	19.05	0.00	0.00	120.74	60.00	0.13
0.9D - 1.0Ev + 1.0Eh	1.49	0.00	12.04	0.00	0.00	119.39	40.00	0.12
1.0D + 1.0W	2.75	0.00	15.56	0.00	0.00	199.90	40.00	0.19

ADDITIONAL STEEL SUMMARY

Elev From (ft)	Elev To (ft)	Member	Stitch Weld				Upper Terminal Weld				Lower Terminal Weld					Max Member		
			Len (in)	Spacing (in)	Size (in)	Fu (ksi)	Moment (k-ft)	Q (in^3)	Total (in4)	Len (in)	Moment (k-ft)	Q (in^3)	Total (in4)	Len (in)	Pu (kip)	phi Pn (kip)	Ratio

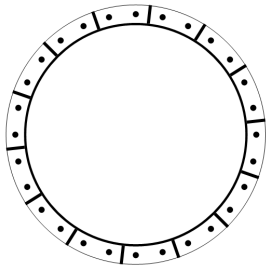
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
651.44	18.66	8.95

PLATE PARAMETERS (ID# 32237)

Width:	42	in
Shape:	Round	
Thickness:	1	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Rod Detail Type:	c	
Clear Distance	-	in
Base Weld Size:	0.188	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	0	°

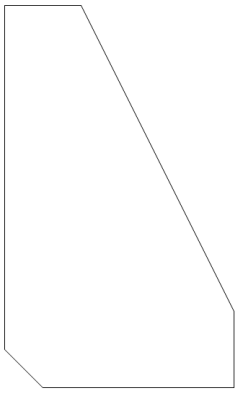


ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#33077]	Radial	28	1	39	A687	105	125	-	-

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	14	
Height:	5	in
Width:	3	in
Thickness:	0.5	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Orientation Offset:	45	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	36"ø x 0.375" (Round)	41.9692	-	-	6660.08	-
Bolt Group	Original (28) 1"ø	0.7854	0.6057	0.0292	3022.11	8.0
Stiffeners	(14) 5"H x 3"W x 0.5"T	1.2500	1.1250	4.5000	3002.56	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	36"ø x 0.375" (Round)	651.4	18.66	8.95	1.000
Bolt Group	Original (28) 1"ø	651.4	-	8.95	1.000
Stiffeners	(14) 5"H x 3"W x 0.5"T	202.4	-	2.78	0.311

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	36.19	in	Flat Width:	0.316	in	Neutral Axis:	0	°
Point-to-Point Diameter:	36.19	in	Flat Radians:	0.017	rad	Bend Line Limits:	1.206 to 1.936	rad
Orientation Offset:	-	º						

PLATE PROPERTIES

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$	
Flats	18.351	4.19	5.635	41.8	182.6	22.9%	✓
Corners	18.351	4.19	5.635	41.8	182.6	22.9%	✓
Circumferential	19.688	7.00	6.672	69.7	216.2	32.2%	✓

PLASTIC ANCHOR ROD ANALYSIS

Class	Group Quantity	Rod Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result	
Original	28	1	10.7	0.5	56.8	18.9%	✓

BASE PLATE STIFFENER ANALYSIS

Quantity:	14	
Height:	5	in
Width:	3	in
Effective Width:	3.000	in
Thickness:	0.5	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Electrode Coefficient:	1.000	

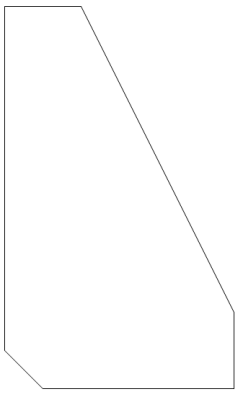


PLATE COMPRESSION

Radius of Gyration:	0.144	in^3
kl/r:	20.78	
4.71 √(E/F_y):	133.68	
Buckling Stress, F_e:	662.54	ksi
Crit. Buckling Stress, F_{cr}:	581.05	ksi
Applied Compression, P_u:	18.05	k
Compressive Capacity, ΦP:	653.68	k
Compressive Result, $P_u/ΦP_n$:	1.4%	✓

PLATE TENSION

Gross Cross Section:	1.2500	in^2
Net Cross Section:	1.1250	in^2
Applied Tension, T_u:	17.22	k
Tensile Capacity, $ΦT_n$:	40.50	k
Tension Result, Tu/ϕTn:	21.3%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, a=e_x/l:	0.200	
Spacing Ratio, k:	0.100	
Weld Coefficient, C:	3.510	
Applied Compression, P_u:	18.05	k
Compressive Capacity, $ΦP_n$:	39.59	k
Horizontal Eccentricity Ratio, a=e_x/l:	0.333	
Weld Coefficient, C:	2.970	
Applied Shear, V_u:	0.03	k
Shear Capacity, $ΦV_n$:	33.50	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	45.7%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, a=e_x/l:	0.167	
Spacing Ratio, k:	0.167	
Weld Coefficient, C:	3.940	
Effective Fillet Size:	0.188	in
Applied Compression, P_u:	18.05	k
Compressive Capacity, $ΦP_n$:	26.67	k
Vertical Eccentricity Ratio, a=e_x/l:	0.278	
Weld Coefficient, C:	3.310	
Applied Shear, V_u:	0.03	k
Shear Capacity, $ΦV_n$:	22.40	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	67.8%	✓

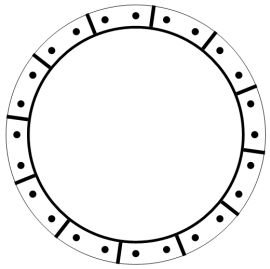
UPPER FLANGE PLATE ANALYSIS @ 20 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
476.73	14.96	8.36

PLATE PARAMETERS (ID# 32238)

Width:	36	in
Shape:	Round	
Thickness:	1	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Base Weld Size:	0.188	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	0	°

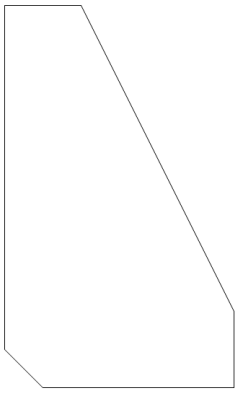


FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#33078]	Radial	24	1	33	A325	92	120	-	-

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	12	
Height:	5	in
Width:	3	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Orientation Offset:	7	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	30"ø x 0.375" (Round)	34.9007	-	-	3830.43	-
Bolt Group	Original (24) 1"ø	0.7854	0.6057	0.0292	1832.59	8.0
Stiffeners	(12) 5"H x 3"W x 0.625"T	1.5625	1.4063	5.6250	2305.91	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	30"ø x 0.375" (Round)	476.7	14.96	8.36	1.000
Bolt Group	Original (24) 1"ø	476.7	-	8.36	1.000
Stiffeners	(12) 5"H x 3"W x 0.625"T	179.2	-	3.14	0.376

UPPER FLANGE PLATE BEND LINE ANALYSIS @ 20 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	30.19	in	Flat Width:	0.263	in	Neutral Axis:	0	°
Point-to-Point Diameter:	30.19	in	Flat Radians:	0.017	rad	Bend Line Limits:	1.148 to 1.994	rad
Orientation Offset:	-	°						

PLATE PROPERTIES

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$	
Flats	16.856	4.15	5.251	38.2	170.1	22.4%	✓
Corners	16.856	4.15	5.251	38.2	170.1	22.4%	✓
Circumferential	19.247	7.25	6.624	70.2	214.6	32.7%	✓

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result	
Original	24	1	11.4	0.6	54.5	21.0%	✓

UPPER FLANGE PLATE STIFFENER ANALYSIS

Quantity:	12	
Height:	5	in
Width:	3	in
Effective Width:	3.000	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Electrode Coefficient:	1.000	

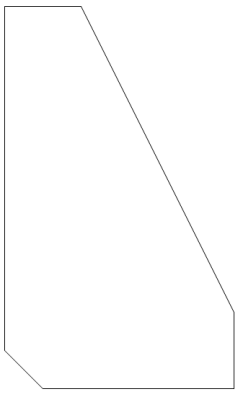


PLATE COMPRESSION

Radius of Gyration:	0.180	in^3
kl/r:	16.63	
4.71 √(E/F_y):	133.68	
Buckling Stress, F_e:	1035.22	ksi
Crit. Buckling Stress, F_{cr}:	907.89	ksi
Applied Compression, P_u:	21.89	k
Compressive Capacity, ΦP:	1276.72	k
Compressive Result, $P_u/\Phi P_n$:	0.9%	✓

PLATE TENSION

Gross Cross Section:	1.5625	in^2
Net Cross Section:	1.4063	in^2
Applied Tension, T_u:	20.95	k
Tensile Capacity, ΦT_n:	50.63	k
Tension Result, Tu/ϕTn:	20.7%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, a=e_x/l:	0.200	
Spacing Ratio, k:	0.125	
Weld Coefficient, C:	3.510	
Applied Compression, P_u:	21.89	k
Compressive Capacity, ΦP_n:	39.59	k
Horizontal Eccentricity Ratio, a=e_x/l:	0.333	
Weld Coefficient, C:	2.970	
Applied Shear, V_u:	0.06	k
Shear Capacity, ΦV_n:	33.50	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	55.5%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, a=e_x/l:	0.167	
Spacing Ratio, k:	0.208	
Weld Coefficient, C:	4.040	
Effective Fillet Size:	0.188	in
Applied Compression, P_u:	21.89	k
Compressive Capacity, ΦP_n:	27.34	k
Vertical Eccentricity Ratio, a=e_x/l:	0.278	
Weld Coefficient, C:	3.310	
Applied Shear, V_u:	0.06	k
Shear Capacity, ΦV_n:	22.40	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	80.3%	✓

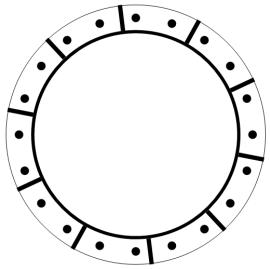
UPPER FLANGE PLATE ANALYSIS @ 40 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
316.3	11.69	7.49

PLATE PARAMETERS (ID# 32239)

Width:	30	in
Shape:	Round	
Thickness:	1	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Base Weld Size:	0.188	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	0	°

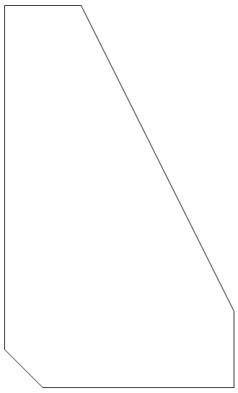


FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#33079]	Radial	20	1	27	A325	92	120	-	-

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	10	
Height:	5	in
Width:	3	in
Thickness:	0.5	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Orientation Offset:	7	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	24"ø x 0.375" (Round)	27.8322	-	-	1943.10	-
Bolt Group	Original (20) 1"ø	0.7854	0.6057	0.0292	1004.70	8.0
Stiffeners	(10) 5"H x 3"W x 0.5"T	1.2500	1.1250	4.5000	1030.94	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	24"ø x 0.375" (Round)	316.3	11.69	7.49	1.000
Bolt Group	Original (20) 1"ø	316.3	-	7.49	1.000
Stiffeners	(10) 5"H x 3"W x 0.5"T	109.6	-	2.60	0.347

UPPER FLANGE PLATE BEND LINE ANALYSIS @ 40 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	24.19	in	Flat Width:	0.211	in	Neutral Axis:	0	°
Point-to-Point Diameter:	24.19	in	Flat Radians:	0.017	rad	Bend Line Limits:	1.068 to 2.073	rad
Orientation Offset:	-	º						

PLATE PROPERTIES

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$	
Flats	15.214	3.11	4.581	32.1	148.4	21.6%	✓
Corners	15.214	3.11	4.581	32.1	148.4	21.6%	✓
Circumferential	18.628	3.50	5.532	68.1	179.2	38.0%	✓

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result	
Original	20	1	11.0	0.6	54.5	20.2%	✓

UPPER FLANGE PLATE STIFFENER ANALYSIS

Quantity:	10	
Height:	5	in
Width:	3	in
Effective Width:	3.000	in
Thickness:	0.5	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Electrode Coefficient:	1.000	

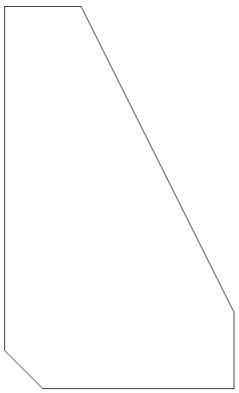


PLATE COMPRESSION

Radius of Gyration:	0.144	in^3
kl/r:	20.78	
4.71 √(E/F_y):	133.68	
Buckling Stress, F_e:	662.54	ksi
Crit. Buckling Stress, F_{cr}:	581.05	ksi
Applied Compression, P_u:	19.64	k
Compressive Capacity, ΦP:	653.68	k
Compressive Result, $P_u/ΦP_n$:	1.5%	✓

PLATE TENSION

Gross Cross Section:	1.2500	in^2
Net Cross Section:	1.1250	in^2
Applied Tension, T_u:	18.83	k
Tensile Capacity, $ΦT_n$:	40.50	k
Tension Result, Tu/ϕTn:	23.3%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, $a=e_x/l$:	0.200	
Spacing Ratio, k:	0.100	
Weld Coefficient, C:	3.510	
Applied Compression, P_u:	19.64	k
Compressive Capacity, $ΦP_n$:	39.59	k
Horizontal Eccentricity Ratio, $a=e_x/l$:	0.333	
Weld Coefficient, C:	2.970	
Applied Shear, V_u:	0.05	k
Shear Capacity, $ΦV_n$:	33.50	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	49.8%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, $a=e_x/l$:	0.167	
Spacing Ratio, k:	0.167	
Weld Coefficient, C:	3.940	
Effective Fillet Size:	0.188	in
Applied Compression, P_u:	19.64	k
Compressive Capacity, $ΦP_n$:	26.67	k
Vertical Eccentricity Ratio, $a=e_x/l$:	0.278	
Weld Coefficient, C:	3.310	
Applied Shear, V_u:	0.05	k
Shear Capacity, $ΦV_n$:	22.40	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	73.9%	✓

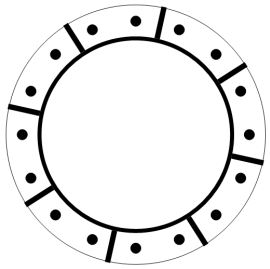
UPPER FLANGE PLATE ANALYSIS @ 60 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
170.49	9.17	6.94

PLATE PARAMETERS (ID# 32240)

Width:	24	in
Shape:	Round	
Thickness:	1	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Base Weld Size:	0.188	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	0	°

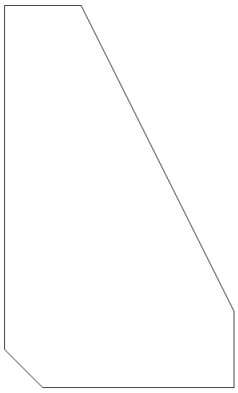


FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#33080]	Radial	16	1	21	A325	92	120	-	-

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	8	
Height:	5	in
Width:	3	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Orientation Offset:	10	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	18"ø x 0.375" (Round)	20.7637	-	-	807.24	-
Bolt Group	Original (16) 1"ø	0.7854	0.6057	0.0292	473.02	8.0
Stiffeners	(8) 5"H x 3"W x 0.625"T	1.5625	1.4063	5.6250	626.03	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	18"ø x 0.375" (Round)	170.5	9.17	6.94	1.000
Bolt Group	Original (16) 1"ø	170.5	-	6.94	1.000
Stiffeners	(8) 5"H x 3"W x 0.625"T	74.5	-	3.03	0.437

UPPER FLANGE PLATE BEND LINE ANALYSIS @ 60 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	18.19	in	Flat Width:	0.159	in	Neutral Axis:	0	°
Point-to-Point Diameter:	18.19	in	Flat Radians:	0.017	rad	Bend Line Limits:	0.954 to 2.188	rad
Orientation Offset:	-	º						

PLATE PROPERTIES

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$	
Flats	13.373	2.94	4.078	22.1	132.1	16.7%	✓
Corners	13.373	2.94	4.078	22.1	132.1	16.7%	✓
Circumferential	17.695	7.25	6.236	58.9	202.1	29.1%	✓

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result	
Original	16	1	8.7	0.7	54.5	16.0%	✓

UPPER FLANGE PLATE STIFFENER ANALYSIS

Quantity:	8	
Height:	5	in
Width:	3	in
Effective Width:	3.000	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Electrode Coefficient:	1.000	

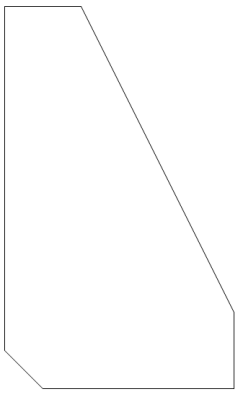


PLATE COMPRESSION

Radius of Gyration:	0.180	in^3
kl/r:	16.63	
4.71 √(E/F_y):	133.68	
Buckling Stress, F_e:	1035.22	ksi
Crit. Buckling Stress, F_{cr}:	907.89	ksi
Applied Compression, P_u:	21.08	k
Compressive Capacity, ΦP:	1276.72	k
Compressive Result, $P_u/\Phi P_n$:	0.8%	✓

PLATE TENSION

Gross Cross Section:	1.5625	in^2
Net Cross Section:	1.4063	in^2
Applied Tension, T_u:	20.08	k
Tensile Capacity, ΦT_n:	50.63	k
Tension Result, Tu/ϕTn:	19.8%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, a=e_x/l:	0.200	
Spacing Ratio, k:	0.125	
Weld Coefficient, C:	3.510	
Applied Compression, P_u:	21.08	k
Compressive Capacity, ΦP_n:	39.59	k
Horizontal Eccentricity Ratio, a=e_x/l:	0.333	
Weld Coefficient, C:	2.970	
Applied Shear, V_u:	0.13	k
Shear Capacity, ΦV_n:	33.50	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	53.6%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, a=e_x/l:	0.167	
Spacing Ratio, k:	0.208	
Weld Coefficient, C:	4.040	
Effective Fillet Size:	0.188	in
Applied Compression, P_u:	21.08	k
Compressive Capacity, ΦP_n:	27.34	k
Vertical Eccentricity Ratio, a=e_x/l:	0.278	
Weld Coefficient, C:	3.310	
Applied Shear, V_u:	0.13	k
Shear Capacity, ΦV_n:	22.40	k
Weld Result, $P_u/\Phi P_n + V_u/\Phi V_n$:	77.7%	✓

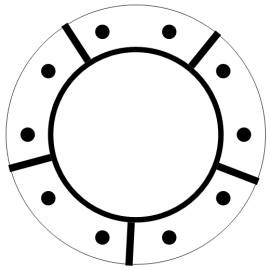
UPPER FLANGE PLATE ANALYSIS @ 80 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
54.38	5.55	3.7

PLATE PARAMETERS (ID# 32241)

Width:	18	in
Shape:	Round	
Thickness:	1	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Base Weld Size:	0.188	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	0	°

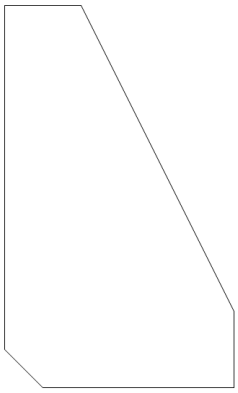


FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#33081]	Radial	10	1	15	A325	92	120	-	-

STIFFENER PARAMETERS

Arrangement:	Radial	
Quantity:	5	
Height:	5	in
Width:	3	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Orientation Offset:	15	°



COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	12"ø x 0.375" (Round)	13.6952	-	-	232.00	-
Bolt Group	Original (10) 1"ø	0.7854	0.6057	0.0292	143.45	8.0
Stiffeners	(5) 5"H x 3"W x 0.625"T	1.5625	1.4063	5.6250	201.42	-

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	12"ø x 0.375" (Round)	54.4	5.55	3.70	1.000
Bolt Group	Original (10) 1"ø	54.4	-	3.70	1.000
Stiffeners	(5) 5"H x 3"W x 0.625"T	25.3	-	1.72	0.465

UPPER FLANGE PLATE BEND LINE ANALYSIS @ 80 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	12.19	in	Flat Width:	0.106	in	Neutral Axis:	0	°
Point-to-Point Diameter:	12.19	in	Flat Radians:	0.017	rad	Bend Line Limits:	0.884 to 2.258	rad
Orientation Offset:	-	º						

PLATE PROPERTIES

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment M_u (k-in)	Moment Capacity ΦM_n (k-in)	Flexure Result $M_u/\Phi M_n$	
Flats	11.233	1.02	3.063	16.5	99.2	16.6%	✓
Corners	11.233	1.02	3.063	16.5	99.2	16.6%	✓
Circumferential	14.845	7.25	5.524	29.0	179.0	16.2%	✓

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result	
Original	10	1	5.0	0.6	54.5	9.2%	✓

UPPER FLANGE PLATE STIFFENER ANALYSIS

Quantity:	5	
Height:	5	in
Width:	3	in
Effective Width:	3.000	in
Thickness:	0.625	in
Notch:	0.5	in
Grade:	A36	
Yield Strength:	36	ksi
Tensile Strength:	58	ksi
Horizontal Weld Type:	Fillet	
Horizontal Weld Fillet Size:	0.188	in
Horizontal Weld Bevel Size:		in
Vertical Weld Fillet Size:	0.188	in
Weld Strength:	70	ksi
Electrode Coefficient:	1.000	

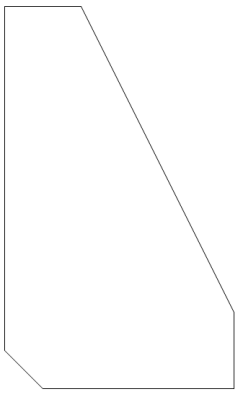


PLATE COMPRESSION

Radius of Gyration:	0.180	in^3
kl/r:	16.63	
4.71 √(E/F_y):	133.68	
Buckling Stress, F_e:	1035.22	ksi
Crit. Buckling Stress, F_{cr}:	907.89	ksi
Applied Compression, P_u:	13.83	k
Compressive Capacity, ΦP:	1276.72	k
Compressive Result, $P_u/ΦP_n$:	0.5%	✓

PLATE TENSION

Gross Cross Section:	1.5625	in^2
Net Cross Section:	1.4063	in^2
Applied Tension, T_u:	15.34	k
Tensile Capacity, $ΦT_n$:	50.63	k
Tension Result, Tu/ϕTn:	15.2%	✓

VERTICAL WELD TO POLE

Vertical Eccentricity Ratio, a=e_x/l:	0.200	
Spacing Ratio, k:	0.125	
Weld Coefficient, C:	3.510	
Applied Compression, P_u:	13.83	k
Compressive Capacity, $ΦP_n$:	39.59	k
Horizontal Eccentricity Ratio, a=e_x/l:	0.333	
Weld Coefficient, C:	2.970	
Applied Shear, V_u:	0.03	k
Shear Capacity, $ΦV_n$:	33.50	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	35.0%	✓

HORIZONTAL WELD TO PLATE

Horizontal Eccentricity Ratio, a=e_x/l:	0.167	
Spacing Ratio, k:	0.208	
Weld Coefficient, C:	4.040	
Effective Fillet Size:	0.188	in
Applied Compression, P_u:	13.83	k
Compressive Capacity, $ΦP_n$:	27.34	k
Vertical Eccentricity Ratio, a=e_x/l:	0.278	
Weld Coefficient, C:	3.310	
Applied Shear, V_u:	0.03	k
Shear Capacity, $ΦV_n$:	22.40	k
Weld Result, $P_u/ΦP_n + V_u/ΦV_n$:	50.7%	✓

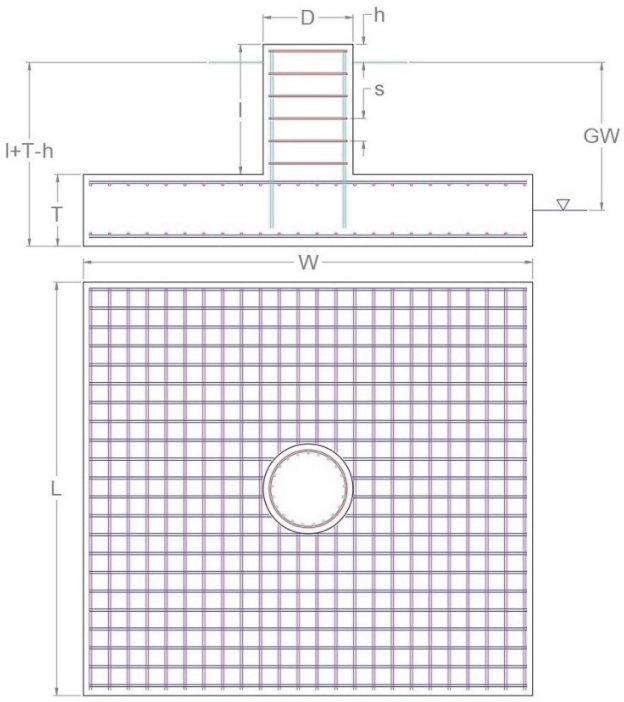
MONOLITHIC MAT & PIER FOUNDATION ANALYSIS

APPLIED GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
651.44	18.66	8.95

FOUNDATION PARAMETERS

Mat Length:	L	13.5	ft
Mat Width:	W	13.5	ft
Mat Thickness:	T	2	ft
Base Depth:	L+T-h	6	ft
Pier Shape:		Round	
Pier Diameter:	D	4.5	ft
Pier Height above Grade:	h	0.5	ft
Concrete Compressive Strength:		4,500	psi
Mat Top Rebar:		(14) #7 bars [60 ksi]	
Mat Bottom Rebar:		(14) #7 bars [60 ksi]	
Pier Vertical Rebar:		(21) #9 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	23	ft
Soil Unit Weight:		110	pcf
Ultimate Skin Friction:		0	psf
Ultimate Bearing Pressure:		5,000	psf
Bearing Pressure Type:		Net	
Coefficient of Shear Friction:		0.35	

SOIL STRENGTH ANALYSIS

Soil Strength Reduction Factor, Φ_s	Uplift Strength Reduction Factor, Φ_s	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, $\Phi_m M_n$ (k-ft)	Soil Overturning Usage, $M_{u,Design} / \Phi_m M_n$	
709.62	1,023.01	**69.4%**	✓

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, $P_{u,net} / \Phi_b P_n$	
2,625.00	4,245.00	Diagonal to Pad Edge	**61.8%**	✓

SOIL SLIDING SHEAR ANALYSIS

Applied Shear Force, V_u (k)	Friction Resistance (k)	Passive Pressure (psf)	Passive Pressure Resistance (k)	Nominal Shear Capacity, $\Phi_s V_n$ (k)	Soil Sliding Shear Usage, $V_u / \Phi_s V_n$	
8.95	53.95	550.0	14.85	51.60	**17.0%**	✓

MAT REINFORCING STEEL STRENGTH ANALYSIS

Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
29,000	0.9	0.75	0.65

MAT REINFORCING ONE WAY SHEAR ANALYSIS

One Way Design Shear, V_u (k)	Nominal One Way Shear Capacity, $\Phi_c V_n$ (k)	One Way Shear Controlling Load Direction	Mat One Way Shear Usage, $V_u / \Phi_c V_n$
62.04	273.08	Diagonal to Pad Edge	**22.7%**

MAT REINFORCING PUNCHING SHEAR ANALYSIS

Punching Shear Design Stress, v_u (psi)	Nominal Punching Shear Capacity, $\Phi_c v_n$ (psi)	Mat Punching Shear Usage, $v_u / \Phi_c v_n$
32.3	201.2	**16.0%**

MAT REINFORCING MOMENT TRANSFER ANALYSIS

Moment Transfer Effective Flexural Width, w_f (in)	Neutral Axis Depth (in)	Pier Moment at Joint, M_{ut} (k-in)	Nominal Moment Transfer Capacity, $\Phi M_{sc,f}$ (k-in)	Mat Moment Transfer Usage, $0.6\ M_{ut} / \Phi M_{sc,f}$
10.50	0.86	0.00	7,381.1	**0.0%**

MAT REINFORCING FLEXURE ANALYSIS – UPPER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Upper Rebar Flexure Usage, $M_u / \Phi M_n$
101.15	747.66	Parallel to Pad Edge	**13.5%**

MAT REINFORCING FLEXURE ANALYSIS – LOWER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Lower Rebar Flexure Usage, $M_u / \Phi M_n$
282.50	747.66	Parallel to Pad Edge	**37.8%**

PIER REINFORCING STEEL STRENGTH ANALYSIS

Rebar Cage Diameter (in)	Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
45.62	29,000	0.9	0.75	0.65

PIER REINFORCING MOMENT ANALYSIS

Design Moment, M_u (k-ft)	Nominal Moment Capacity, $\Phi_b M_n$ (k-ft)	Bending Reinforcement Ratio	Pier Rebar Flexure Usage, $M_u/\Phi_b M_n$
691.72	1,910.04	0.009	**36.2%**

PIER REINFORCING COMPRESSION ANALYSIS

Design Compression, P_u (k)	Nominal Compressive Capacity, $\Phi_p P_n$ (k)	Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$
18.66	4,544.68	**0.4%**

PIER REINFORCING SHEAR ANALYSIS

Design Shear, V_u (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$
8.95	331.83	**2.7%**

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION FOR PERMITTING

Licensee Name: VERIZON WIRELESS
@ ATC Site Name: HAILEY ID ATC Site #: 82679 Project # 14920018
Site Address: Unit 6, 1141 Airport Way, Hailey, Blaine ID 83333-8771 United States
Site Coordinates: 43.510000, -114.305833
Site Acquisition Vendor (Applicant Representative): FULLERTON ENGINEERING CONSULTANTS LLC

I, Gregory Mercier, Managing Attorney, UST Legal for American Tower*, owner/operator of the tower facility located at the address identified above (the "Tower Facility"), do hereby authorize **VERIZON WIRELESS, FULLERTON ENGINEERING CONSULTANTS LLC**, their successors and assigns, and/or their agent, (collectively, the "Licensee") to act as American Tower's non-exclusive agent for the sole purpose of filing and consummating any land-use, building, or electrical permit application(s) as may be required by the applicable permitting authorities for **VERIZON WIRELESS**'s telecommunications' installation on the Tower Facility.

I understand that these applications may be approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee's installation and any such conditions of approval or modifications will be Licensee's sole responsibility.

Signature:

Print Name: Gregory Mercier
Managing Attorney, UST Legal
American Tower*

NOTARY BLOCK

Commonwealth of MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by Gregory Mercier, Managing Attorney, UST Legal for American Tower*, personally known to me (or proved to me based on satisfactory evidence of identification) to be the person whose name is signed on the preceding or attached document and acknowledged to me that they signed it voluntarily for its stated purpose.

WITNESS my hand and official seal, this 26th day of November 2024

Notary Seal

GENYS E. PEREZ
Notary Public
Commonwealth of Massachusetts
My Commission Expires July 27, 2029

Notary Public
Genys E. Perez
My Commission Expires: July 27, 2029

* American Tower is defined as American Tower Corporation and any of its affiliates or subsidiaries.

CR Wireless, LLC

June 9, 2025

City of Hailey
115 South Main Street
Hailey, ID 83333

Ref: Verizon Wireless Permit application for co-location

Attn: Robyn Davis, Community Development Director and Ashley Dyer, City Planner

Dear Ms. Davis and Ms. Dyer,

At your request I have reviewed the documentation you sent regarding the Wireless Permit Application for the American Tower monopole tower site near the airport. This appears to be an equipment upgrade for current services and adding 5G C-Band, specifically Wide-band TDD based upon provided spec sheets and associated installation hardware.

The revised cover letter from Fullerton and the Verizon / American Tower / Lab construction drawings appear to confirm this equipment upgrade. It does not appear to violate **17.08B.050.02: COLLOCATION REQUIREMENT:**

This proposed equipment meets the loading requirements as outlined in the submitted tower loading analysis completed by POD for American Tower dated December 4, 2024. Please note this upgrade puts the maximum usage at 80%.

Because of the proximity of this monopole tower to the airport I encourage you to review and monitor the progress of 5G and Aviation Safety and associated documentation as per faa.gov/5g and notify the airport of this proposed Verizon 5G C-Band installation. There is no reason to delay or deny based upon this information but to maintain awareness of the issue especially beyond January 1, 2028.

This completes my review of the submitted permit application and associated documentation.

Thank you.

Sincerely,

Chuck Robertson
RF Engineer

CR Wireless, LLC
1213 N Jacob Alcott Way #242
Nampa, Idaho 83687
208.841.8084

Chuck Robertson | RF Engineer
FCC Licensed | CommScope Certified | ETA F.O.I Certified
Member AT&T FirstNet:
crobertson@crwireless.net

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