APPROVING A SPECIAL USE PERMIT FOR ANTENNAS AND ASSOCIATED EQUIPMENT ON TOP OF A 16-STORY BUILDING AT 507 E. TAYLOR STREET

PASSED: SEPTEMBER 12, 2022

DEKALB, ILLINOIS (DISH WIRELESS).

WHEREAS, the City of DeKalb (the "City") is a home rule unit of local government and may exercise any power and perform any function pertaining to its government and affairs pursuant to Article VII, Section 6, of the Illinois Constitution of 1970; and

WHEREAS, Fullerton Engineering Consultants, LLC, on behalf of DISH Wireless, LLC (the "Petitioner"), who is the owner of the equipment to be installed on a 16-story building located at 507 E. Taylor Street, DeKalb, Illinois and legally described in Exhibit A attached hereto and incorporated herein (the "Property"), petitioned the City to approve a special use permit for antennas and associated equipment on the Property (the "Special Use Petition"); and

WHEREAS, on September 6, 2022, pursuant to due notice, the City's Planning and Zoning Commission (the "PZC") held a public hearing on the Special Use Petition and recommended approving the Special Use Petition; and

WHEREAS, the City's corporate authorities adopt and incorporate by reference the PZC's findings of fact, find that approving the Special Use Petition is in the public interest for the promotion of the public health, safety and welfare, and further find as follows:

STANDARDS OF A SPECIAL USE PERMIT FOR ANTENNA FACILITIES – ARTICLE 7.08.08 OF THE UNIFIED DEVELOPMENT ORDINANCE ("UDO")

1. Points of Visual Interest Shall Be Protected.

The only point of visual interest, as defined by the UDO, in the vicinity of the Property is park property to the east and west of the subject site. The proposed upgrade to the equipment will have no impact on the park areas as the equipment is on top of an existing 16-story building and there will be concealment film added to camouflage the antennas and equipment.

2. Methods for Protecting Points of Visual Interest.

As noted in standard #1, concealment film will be added to camouflage the antennas and related equipment, which will help to minimize the visual effect on the surrounding area. Camouflaging of the antennas will be a combination of reflective material (concealment film) and a brick design to blend with the building.

3. Color

Reflective screening of the visible equipment is proposed to reduce the visual impact on the surrounding area.

4. Height

The UDO stipulates antennas may be permitted provided it is no greater than 22 feet taller than the existing structure. The proposed antenna upgrades and replacements will be no higher than the existing equipment on the building.

5. Setbacks Adjacent to Residential Uses

The proposed equipment will be on an existing roof top that is an approved location for wireless facilities.

6. Lighting

The UDO stipulates that no lighting is permitted except as required by the Federal Aviation Administration (FAA). There is no lighting present or proposed on the rooftop equipment, and the FAA does not require lighting at this location.

7. Fencing and Security

This factor does not apply because the upgrade is for roof-top equipment.

8. Landscaping and Screening

The Petitioner is proposing to use print wrap film on the equipment and concealment film on the antennas to help blend them into the surrounding environment.

9. Noise

No noise generating equipment is present or proposed for the Special Use Petition.

10. Tower Design

This factor does not apply because this is an upgrade to existing equipment on the roof-top of the building.

STANDARDS OF A SPECIAL USE - ARTICLE 14.03.05 (2)

1. The proposed special use complies with all provisions of the applicable district regulations.

The proposed special use is for a new co-location on an existing building with other carriers. The property is zoned RC-1 and the proposed special use meets all the requirements of the district and Article 7.08 (Wireless Communications Ordinance) of the UDO. The proposed facilities will provide communication services to the City which supports the goals of the 2022 Comprehensive Plan.

2. The proposed special use will not be unreasonably detrimental to the value of other property in the neighborhood in which it is to be located or to the public welfare at large.

There have been antenna and associated equipment on top of the building on the Property for many years, and there is no evidence that the presence of the antennas and equipment have been detrimental to the value of neighboring properties. In addition, the Petitioner is proposing to use concealment tape on the equipment to minimize the visual effect on the surrounding area. The facility will operate in accordance with all FCC regulations.

3. The location and size of the special use, the nature and intensity of the operation involved in or conducted in connection with it, and the location of the site with respect to streets giving access to it are such that the special use will not dominate the immediate neighborhood so as to prevent development and use of neighboring property in accordance with the applicable zoning district regulations.

The antenna and associated equipment related to the Special Use Petition will be located on top of an existing 16-story building and will not dominate the immediate area and will not prevent development on the neighboring properties. The proposed facility will be unstaffed and a low

intensity operation.

4. Adequate utility, drainage and other such necessary facilities have been or will be provided.

The subject site and structure are already served with adequate utilities. The only utilities that are necessary are telephone/fiber and electricity, both of which are already onsite in connection with the existing facilities. In addition, the facility will operate in accordance with all FCC regulations.

5. The proposed use, where such developments and uses are deemed consistent with good planning practice, or can be operated in a manner that is not detrimental to the permitted developments and uses in the district; can be developed and operated in a manner that is visually compatible with the permitted uses in the surrounding area; shall in all other respects conform to the applicable regulations of the district in which it is located; and is deemed essential or desirable to preserve and promote the public health, safety and general welfare of the City of DeKalb.

There have been antenna and associated equipment on top of the building on the subject site for many years, and they will be operated in a manner that is visually compatible with the surrounding area. The proposed wireless installation will have a positive impact on the community and ensure the area has a reliable wireless service. The Petitioner is proposing to place concealment tape on the antennas and equipment to minimize the visual effect on the surrounding neighborhood.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DEKALB, ILLINOIS:

SECTION 1: The recitals to this Ordinance are true, material, adopted and incorporated herein as Section 1 to this Ordinance.

SECTION 2: The City's corporate authorities approve the Special Use Petition for an antenna and associated equipment on top of a 16-story building at the Property legally described in Exhibit A attached hereto and incorporated herein by reference, subject to the following conditions:

- 1. The antennas and equipment shall comply with the drawings dated 7-19-22 indicated on Exhibit B.
- 2. Antennas and associated visible equipment shall be wrapped with concealment tape.
- 3. The Petitioner is required to submit the necessary application and plans to the City in compliance with applicable Building Codes and the regulations of Article 7.08 of the UDO (Wireless Communications Ordinance).
- 4. Petitioner shall comply with all applicable laws, rules, regulations, City of DeKalb Municipal Code, and representations made to the City, PZC, and City Council.

SECTION 3: The City Manager and his designee are authorized to record this Ordinance in the DeKalb County Clerk and Recorder's Office.

SECTION 4: This Ordinance and each of its terms shall be the effective legislative act of a home rule municipality without regard to whether such ordinance should (a) contain terms contrary to the provisions of current or subsequent non-preemptive state law, or (b) legislate in a manner or regarding a matter not delegated to municipalities by state law. It is the City's corporate authorities' intent that to the extent that the terms of this Ordinance should be inconsistent with any non-preemptive state law, this Ordinance shall supersede state law in that regard within its jurisdiction.

SECTION 5: This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois at a Regular meeting thereof held on the 12th day of September 2022 and approved by me as Mayor on the same day. Passed on First Reading by a 6-0-2 roll call vote. Aye: Morris, Smith, McAdams, Verbic, Faivre Barnes. Nay: None. Absent: Larson, Perkins. Second Reading waived by a 6-0-2 roll call vote. Aye: Morris, Smith, McAdams, Verbic, Faivre, Barnes. Nay: None. Absent: Larson, Perkins.



COHEN BARNES, Mayor

ATTEST:

Ruth A. Scott, Executive Assistant

EXHIBIT A (Legal Description of the Property)

The Property is legally described as follows:

Part of Assessor's Lot 11 of the Southwest Quarter of Section 23, Township 40, North Range 4, East of the Third principal Meridian, DeKalb County, Illinois, described as follows: Commencing at the Southwest corner of said Assessor's Lot 11: thence Northeasterly along the West line of said Assessor's Lot 11, a distance of 35.7 feet to the point of intersection of the West line of said Assessor's Lot 11 with the North right of way line of Taylor Street for the place of beginning; thence Easterly along the North right of way line of said Taylor Street, a distance of 252.4 feet to the Southeast corner of Lot 3 of Sweet Subdivision, according to the Plat thereof recorded in the DeKalb County Recorder's Office: thence Northerly along the West line of said Sweet Subdivision, a distance of 208.0 feet to the Northwest corner of Lot 3 of said Sweet Subdivision; thence Easterly along the North line of said Sweet Subdivision, a distance of 17.15 feet: thence Northeasterly at an angle of 112 degrees 22 minutes measured clockwise from the last described course, a distance of 194.8 feet to a point that is 300.0 feet Southwesterly of (as measured at right angles to) the South line of Roosevelt Street; thence Northwesterly and parallel with the South line of Roosevelt Street in the City of DeKalb, Illinois, a distance of 170.6 feet to the West line of said Assessor's Lot 11; thence Southwesterly along the West line of said Assessor's Lot 11, a distance of 489.3 feet to the place of beginning situated in the City of DeKalb in the County of DeKalb in the State of Illinois.

Common Address: 507 E. Taylor Street, DeKalb, IL 60115; Parcel Identification Number (PIN): 08-23-361-031.

dish

wireless..

DISH Wireless L.L.C. SITE ID: CHCHI00894A

DISH Wireless L.L.C. SITE ADDRESS:

507 E. TAYLOR ST. DEKALB, IL 60115

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT ENTRONS OF THE FOLLOWING CODES AS ADDRESD BY THE LOCAL CONSISTING AUTHORITIES. MOTHING IN THESE PLANS IS TO BE CONSTRUCT TO PERMIT WORK HOT COMPORTING TO THESE CODES.

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	SHEET INDEX
SHEET NO.	SHEET TITLE
T-1	TILE SHEET
A-1	EVENUE SIE FLAN
6-2	DILAROD BULDING PLAYS
A-J	ANTENNA PLAN, ELEVATION AND SCHEDULE
A-4	REFUNCE ELEVATION
4-5	EQUIPMENT FLAN
4-8	EDUPMENT DETALS
4-7	EQUIPMENT DETAILS
E-1	LITELTY HERE CHADRAN
E-2	BLECTRICAL DETAILS
E-3	CHEMINE RIER AND PANEL SCHEDULE
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EXHIBIT B

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CONCRUCTION MANAGER: ADAM FARABRE edam,fardbee@dish.com

PROJECT DIRECTORY

RF ENGINEER: FAISAL SYED

fdeal.sved@fbfbb.com

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SITE INFORMATION

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POWER COMPANYS

OCCUPANCY CHOUP:

CONSTRUCTION TYPE: 4-44

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CHICARCROCHED SERVICE ALERY (800) 952-8123

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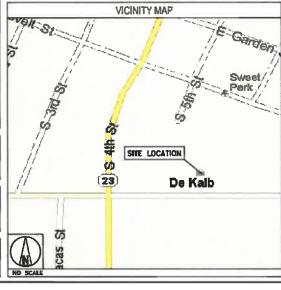


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1100 E WOODFIELD ROAD, SUITE 500 SCHALPBURG, JUNCIS 60173 TEL: 847-906-8400 DESIGN FRAN NO. 194.008203-0006



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- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
- CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMAN SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNIT



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FRM NO. 184,008202-0006 www.FullertonEngineering.com



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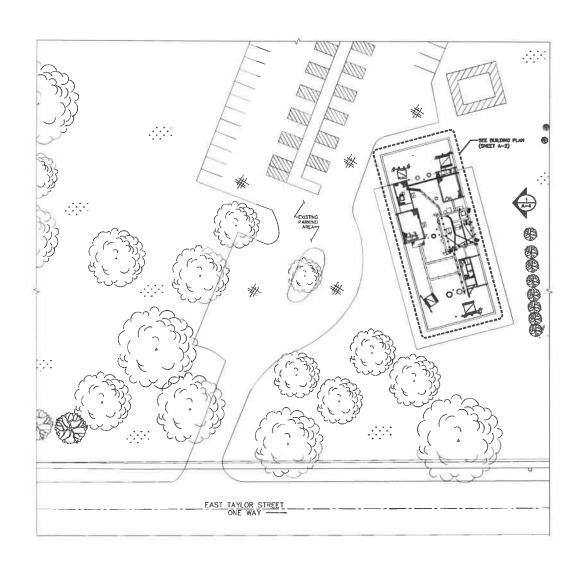
DISH Wireless L.L.C. PROJECT INFORMATION

CHCHIO0894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE OVERALL SITE PLAN

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1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 947-908-8400 DESIGN FRAM NO. 184-008202-0006 www.FullertonEngineering.com



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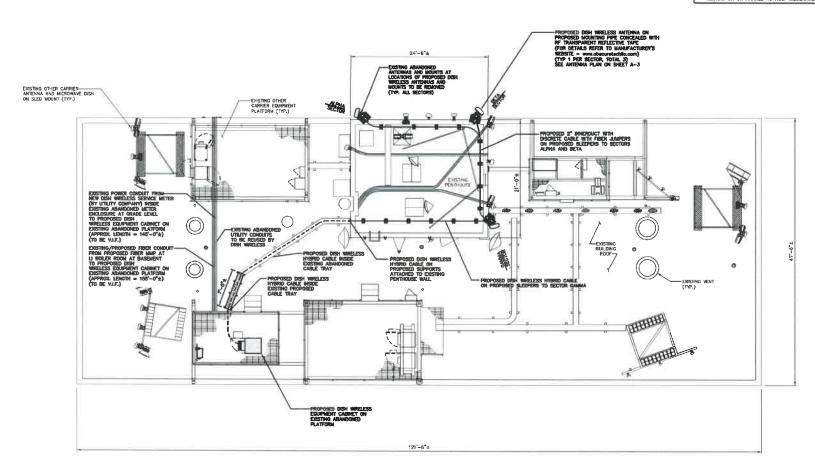
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DISH Wireless LL.C. PROJECT INFORMATION CHCHI00894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE ENLARGED BUILDING PLAN

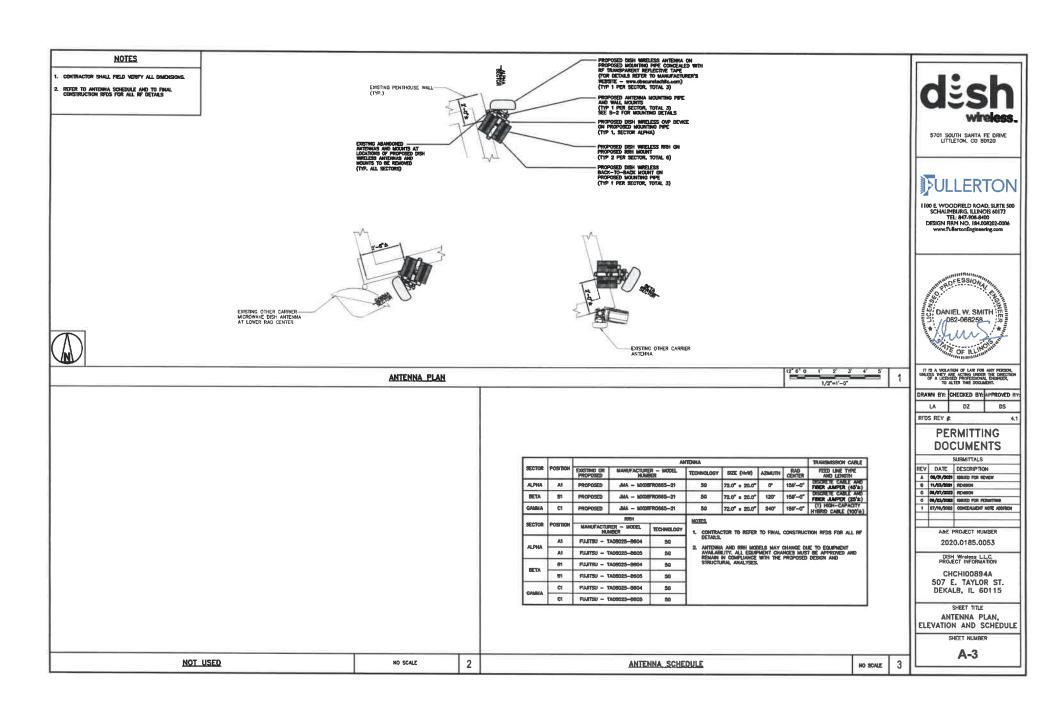
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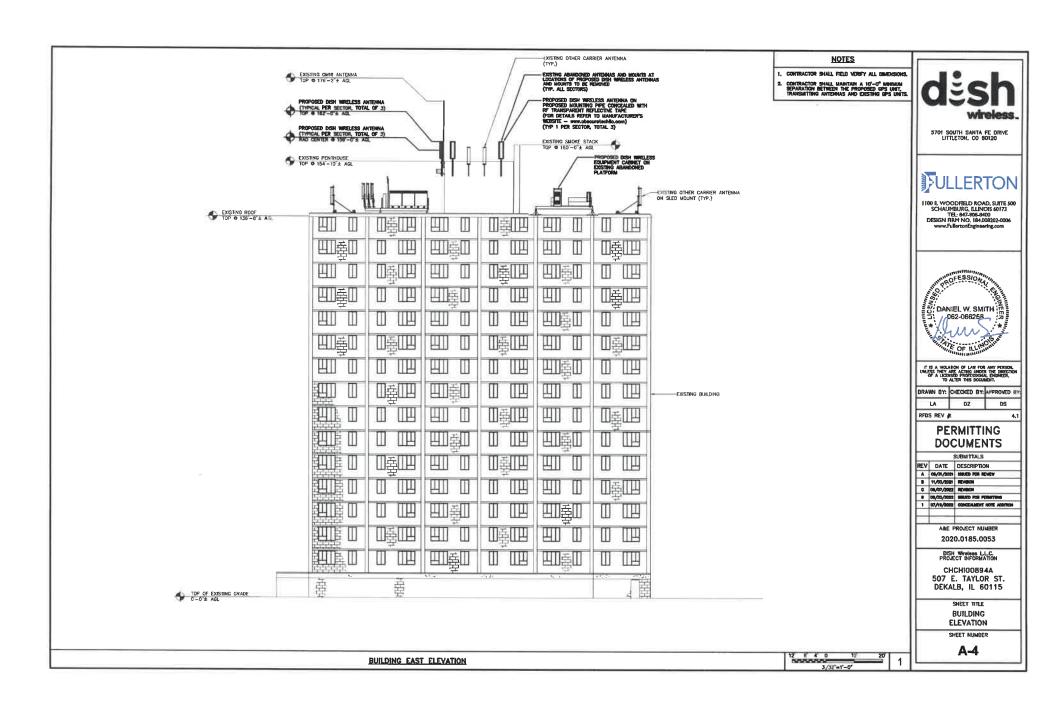
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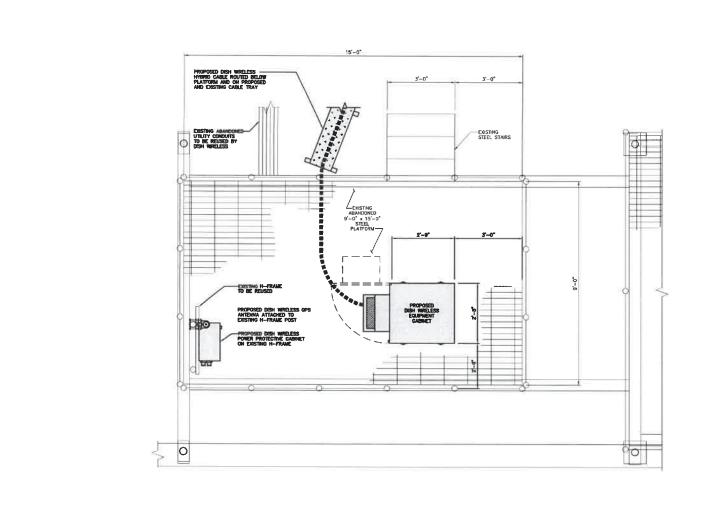




ENLARGED BUILDING PLAN









5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



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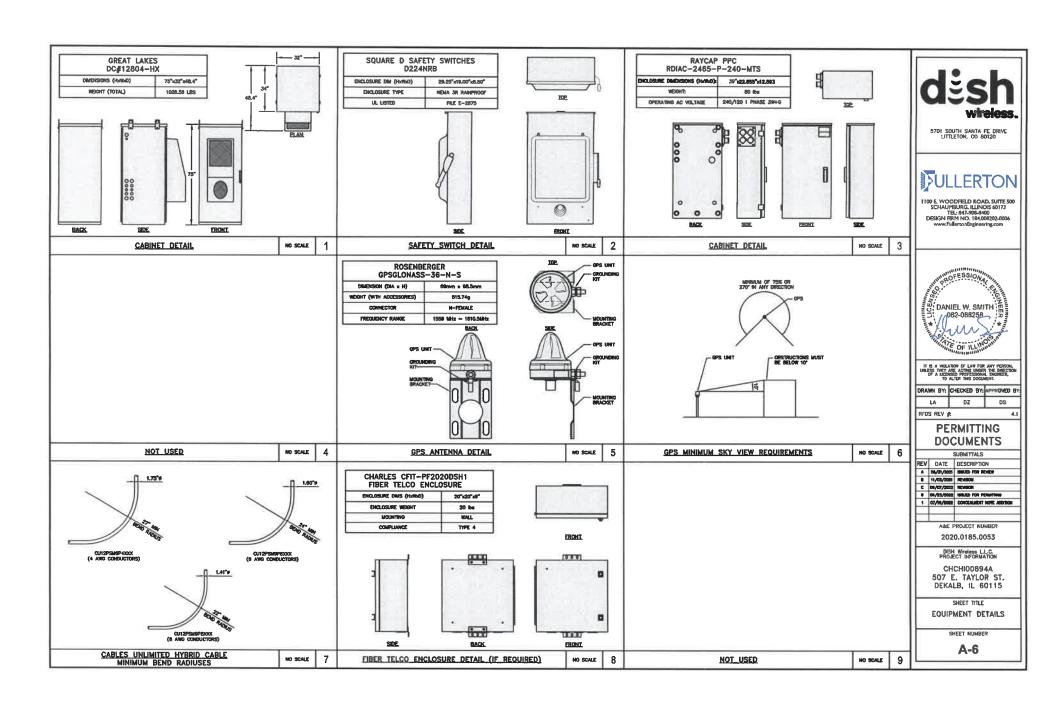
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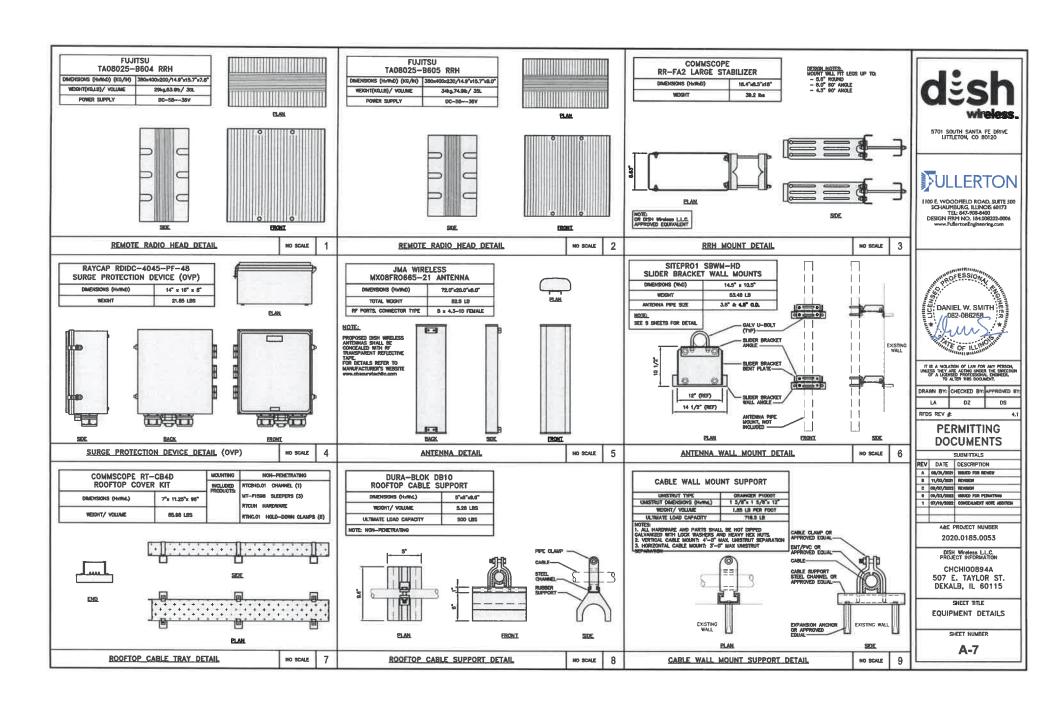
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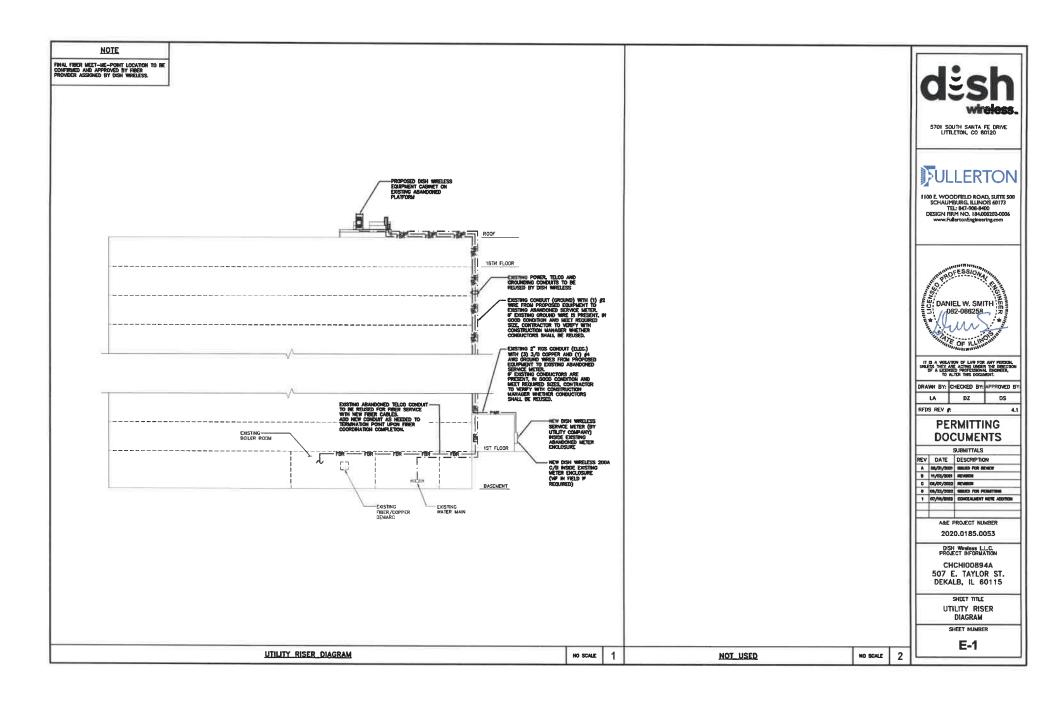
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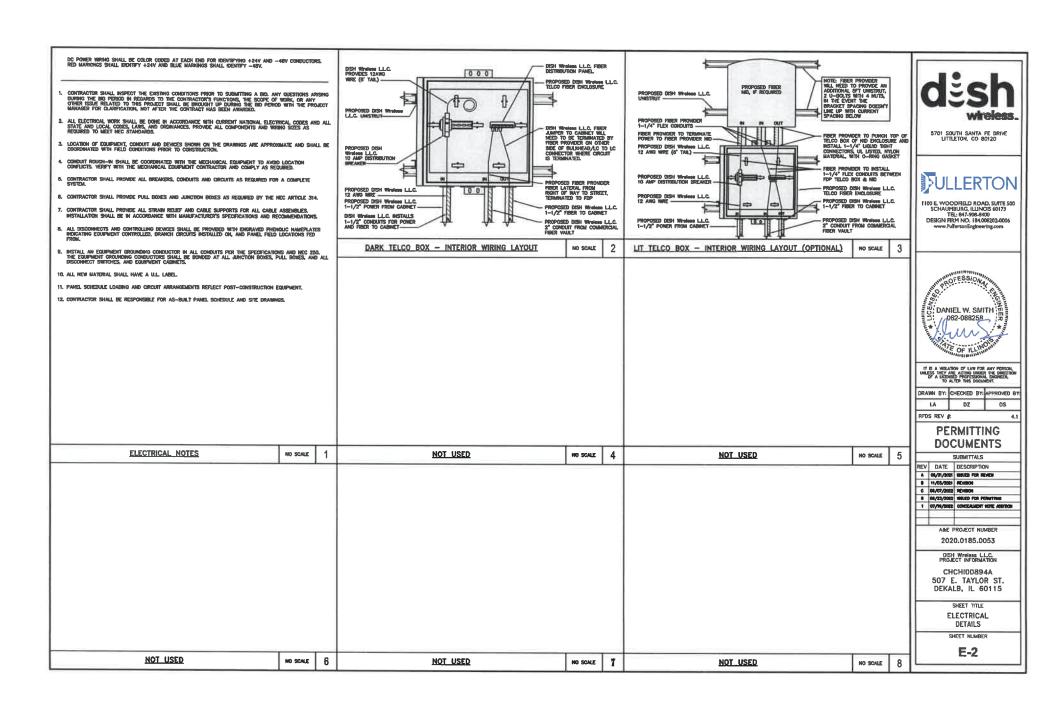
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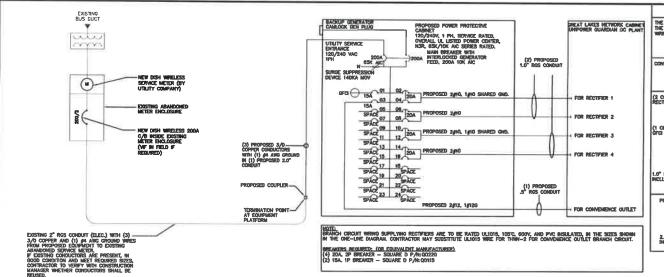












NOTES

THE (2) CONDUITS WITH (4) CHRITENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ABJUSTMENT FACTOR OF BOX PER 2020 MEC TABLE 310.18(C)(1) FOR UL1018 WHEL (ALL WITE AND TERMINATION HARDWARE TO BE RATED 75°C)

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358. 0.5" RGS CONDUIT — 0.122 SQ. IN AREA 3.0" RGS CONDUIT — 3.538 SQ. IN AREA

(2 CONDUIT): USING THINN-2, CU.

#10 - 0.0211 SQ. IN X 4 = 0.844 SQ. IN #10 - 0.0211 SQ. IN X 1 = 0.0211 SQ. IN <GROUND

= 0.1055 SQ. W

- 0.0399 SQ. III

(1 CONDUIT): USING THUM-2, CU.

#12 - 0.0133 SQ. N X 2 = 0.0266 SQ. N #12 - 0.0133 SQ. N X 1 = 0.0133 SQ. N <GROUND

1.0" RGS CONDUST IS ADEQUATE TO HANDLE THE TOTAL OF (5) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THINN, CU.

3/0 - 0.2679 SQ, IN X 5 = 0.6037 SQ, IN 44 - 0.0507 SQ, IN X 1 = 0.0507 SQ, IN 4070UND = 0.8544 SQ. IN

 2.0° rgs conduit is adequate to handle the total of (4) wires, including ground wire, as indicated above,

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120

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LIDO E. WOODFIELD ROAD, SUITE 500 1100 E. WOODINELD ROAD, SMILE SIX SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.FullertonEngineering.com



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PERMITTING **DOCUMENTS**

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DISH Wireless L.L.C. PROJECT INFORMATION CHCHID0894A 507 E. TAYLOR ST.

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PPC ONE-LINE DIAGRAM

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PANEL SCHEDULE

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NOT USED

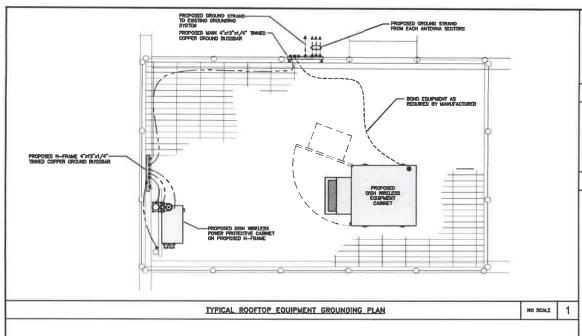
HO SCALE

3

HD SCALE

DEKALB, IL 60115

PANEL SCHEDULE



PROPOSED (2 AND STRANDED COPPER GREAN ROSALANED (TOP)

PROPOSED RETUR
GROUND BAR (TYP OF 5)

PROPOSED GROUND STRAND
TO EDUPPHENT PLATFORM MAIN
DISCUSSED BAR BAR

EXOTHERMIC CONNECTION

GROUND BUS BAR

GROUND ROD

MECHANICAL CONNECTION

TEST GROUND ROD WITH INSPECTION SLEEVE

---- #5 AWG STRANDED & INSULATED

- - - #2 AWG SOLID COPPER TIMBED

A BUSS BAR INSULATOR

GROUNDING_LEGEND

- 1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
- CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH MEC SECTION 250 AND DRIVEN Windows LLC. GROUNDING AND BONDING REQUIREMENTS AND MARUPACTURENTS SPECIFICATIONS.
- 3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALLMINUM CONDUCTORS SHALL BE USED.
- 4. NO EXOTHERMIC WELDING ON ROOFTOP

GROUNDING ROOFTOP KEY NOTES

- EXTERIOR GROUND RING. (2 AWG SOUD COPPER, BURNED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FIGURE.
- (B) ROOFTOP_GROUND_SYSTEM: THE GROUND SYSTEM USING MINIMUM #2 AWG SOUD COPPER CONDUCTORS.
- © INTERIOR GROUND TRIBLE, (IL AND STRANDED GREEN RISSILATED COPPER CONDUCTOR EXTENDED AROUND THE PERMITTA OF THE COUNTRIENT AREA, ALL NON-TELECOMMUNICATIONS RELATED METALLIC CONJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE WITEINER GROUND RING WITH 40 AND STRANDED GREEN
- D BOND TO INTERIOR GROUND RING, #2 ANG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING
- © ROUSED RODE, UL LISTED COPPER CLAD STEEL. MINIMUM 1/2" DIAMETER BY BIGHT FEET LONG, GROUND RODS SHALL BE BRIVEN TO THE DEPTH OF GROUND RING COMPUTOR.
- C CILL RECURSING COLUMN BLB (STORE). POWY OF ORCUMO PRESENCE FOR ALL COMMINIONS OF THE STORE COLUMN BLB (STORE). POWER CONTROL COLUMN BLB (STORE) OF THE STORE CONTROL COREN MESSA TED COPPER COMPUTORS, BOMD TO COMMIN BUILDING GROUND SYSTEM WITH (2) \$2 SOUD THREED COPPER COMPUTORS.
- GATCH PLATE GROUND RAIN. BOND TO THE COMMON BRADING GROUND SYSTEM WITH TWO ARE AND STRANDED GREEN RISULATED COPPER COMMUNICITIES WHICH A HARTOM-PLATE AND A CALL REPRENET GROUND BAR ARE BOTH PRESENT, THE CRIED MUST BE COMMUNICITY OF THE NATION-PLATE AND TO THE NITEMOR GROUND RISULATED (2) THIS CAND STRANDED GREEN RISULATED COPPER COMMUNICITIES ELOCAL
- EXTENDER CABLE EXTRY PORT GROUND BARS. LOCATED AT THE ENTRANCE TO THE CELL SITE ROOM, BOND TO GROUND RING WITH A $\S 2$ AWG SOLID TIMED COPPER CONDUCTORS WITH MECHANICAL CONNECTIONS.
- TELCO GROUND BAR. BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- SPANE BONDING. THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS HOT ISOLATED FROM THE EQUIPMENTS METAL, FRAMEWORK,
- INTERIOR UNIT BONDS. HETAL FRAMES, CABINETS AND RIDINDUAL METALLIC UNITS LOCATED WITH THE AREA (κ) of the interior ground ring require a $y\alpha$ and stranded green insulated copper bond to the
- EENCE AND CATE CROUNDING. METAL FENCES SHALL BE BONDED TO THE COMMON BUILDING GROUND

 STSTEM WITH A 152 AND SOLID TRINED COPPER CONDUCTOR AT AN INTERNAL NOT EXCEEDING 25 FEET.
 BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.
- EXTERIOR LINT BORDS, METALLIC GRACUTS, DITERMAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE COMMON BUILDING GROUND SYSTEM. USING μ 2 TRINED SOLID COPPER WRITE
- ICE BROGE SUPPORTS. EACH ICE BROGE LEG SHALL BE BONDED TO THE GROUND RING WITH 42 AWG BAI IN DIED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRODE LEG AND BURIED
- DURBIG ALL DC POWER SYSTEM CHANGES INCLIDING DC SYSTEM CHANGE CUTS, RECTIFER REPLACEMENTS
 ON A MONTHUS, BATTERY ACCOUNTING THANGES, BATTERY ACCOUNTING A ACTIVETY REPLACEMENTS AND
 CONTRACTIONS VERBY ALL DC POWER SYSTEMS ARE COMPONED WITH A MASTER DC SYSTEM RETURN GROUND
 CONDUCTOR PROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY GONNECTED TO THE CELL SITE
 REFERENCE CONCLUMB DAY
 - ROOFTOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO COMMON BUILDING GROUND SYSTEM.
- P REFER TO DISH WINNOOD LL.C. GROUNDING NOTES.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120

JULLERTON

| 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.FullertonEngineering.com



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RFDS REV #

PERMITTING DOCUMENTS

	3	SUBMITTALS
REV	DATE	DESCRIPTION
A	00/31/2001	ISSUED FOR REVIEW
	11/03/20th	PENESION
е	08/07/2002	REMINION
0	06/23/2022	HINUED FOR PERMITTING
. 1	07/19/2002	CONCEALMENT NOTE ACOUSON

ARE PROJECT NUMBER 2020.0185.0053

DISH Wireless L.L.C. PROJECT INFORMATION

CHCHI00894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE GROUNDING PLANS

SHEET NUMBER

G-1

TYPICAL ROOFTOP ANTENNA GROUNDING PLAN

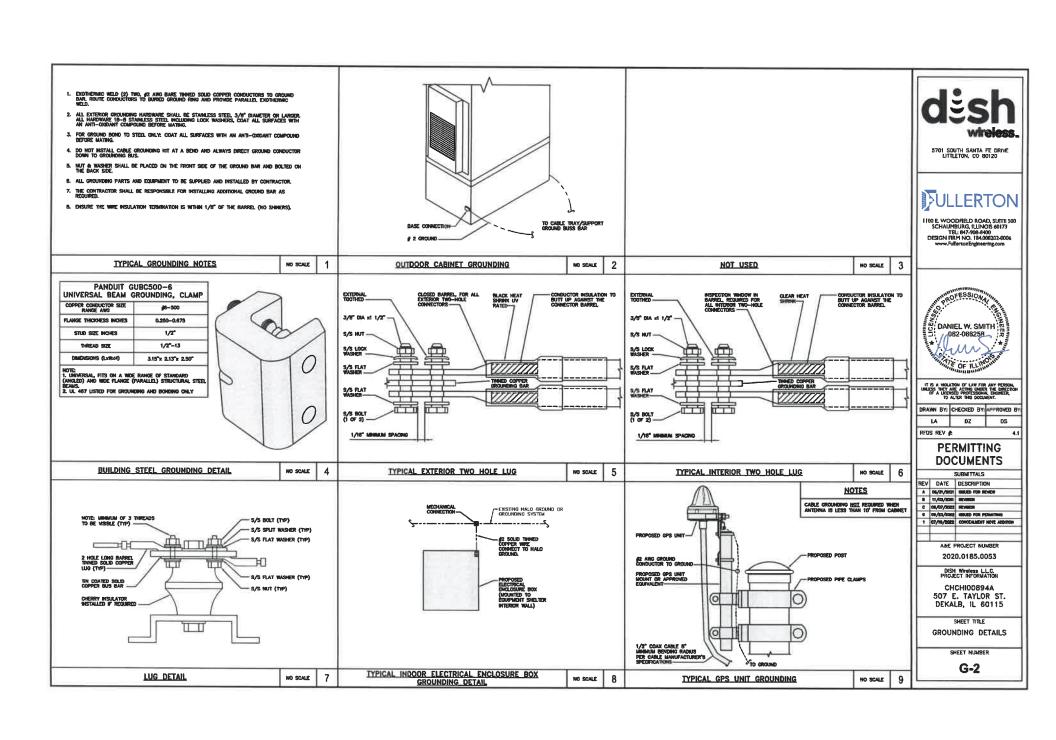
NO SCALE

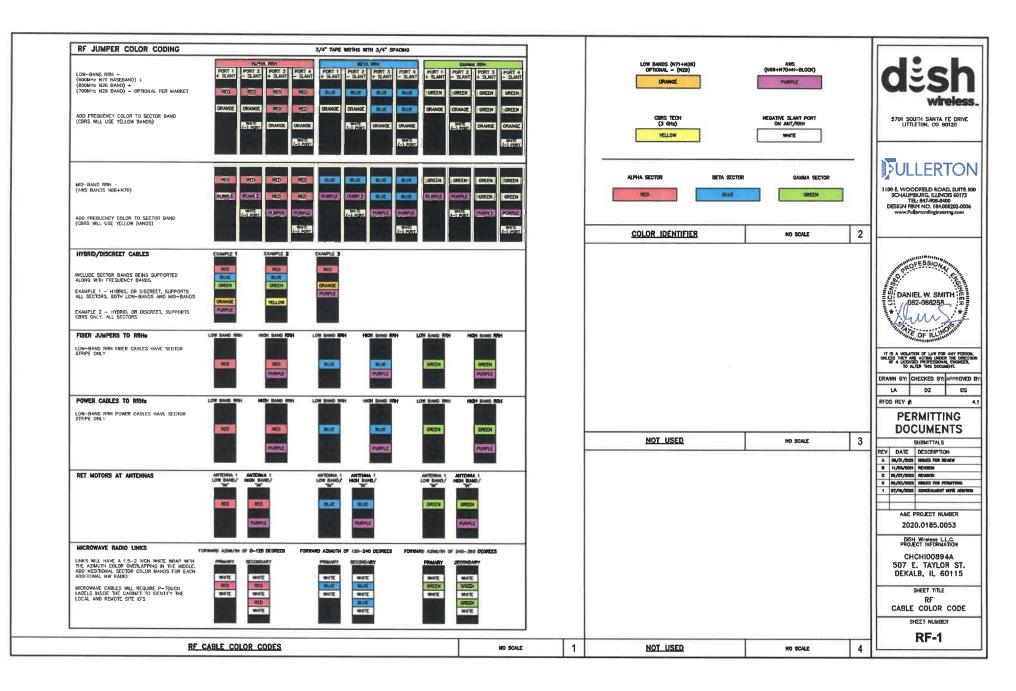
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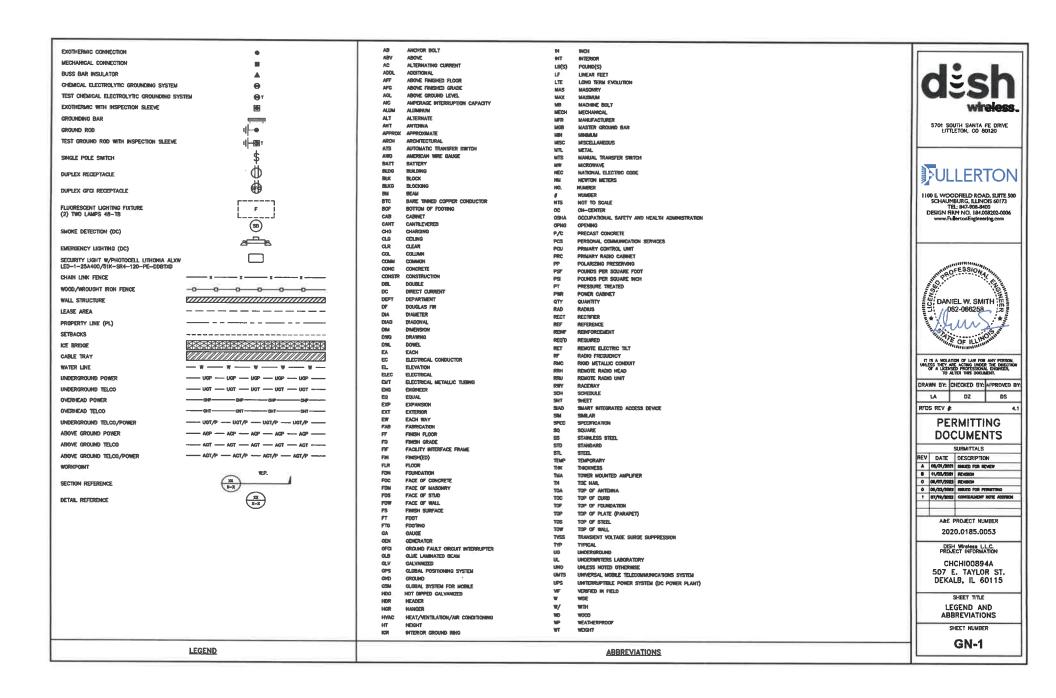
GROUNDING KEY NOTES

NO SCALE

3







SITE ACTIVITY REQUIREMENTS:

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

BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

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

CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER: DISH Wireless L.L.C

WER OWNER: TOWER OWNER

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



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120

ULLERTON

F100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.FullertonEngineering.com



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RFDS REV #:

PERMITTING DOCUMENTS

	SUBMITTALS		
REV	DATE	DESCRIPTION	
A	04/31/2021	HOUSED FOR REVIEW	
0	11/03/2021	REVISION	
0	00/07/2022	PEVENCH	
0	04/23/2022	ISSUED FOR PERMITTING	
T	07/10/2002	CONCEALMENT HOTE ADDITION	

A&E PROJECT NUMBER 2020.0185.0053

DISH Wireless L.L.C. PROJECT INFORMATION

CHCHI00894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE
GENERAL NOTES

SHEET NUMBER

GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000
- 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (°C) OF 3000 pm at 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 30Y AT TIME OF PLACEMENT.
- 4. CONCRETE EUPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F5 CLASS EXPOSURE (VERY SEVERE), CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.43.
- 5. ALL STEEL RENPORCING SHALL CONFORM TO ASTM A815. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "0" THISON SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. VIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 km

#5 BARS AND LARGER 60 km

- 6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
- . CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3°
- . CONCRETE EXPOSED TO EARTH OR WEATHER:
- . #6 BARS AND LARGER 2"
- . #5 BARS AND SMALLER 1-1/2"
- . CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- . SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2"
- 7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- 2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- 3. WRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE MEC.
- I. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CRICIIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 ALC MINIMUM, VERREY YAVALLABLE SHORT IGRCLIIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- 5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- 8. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PMASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.e. PANEL BOARD AND CIRCUIT 10'S).
- 7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- TIE WRAPS ARE NOT ALLOWED.
- ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER)
 WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH
 TYPE THIW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- 14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEWA, UL, ANSI/REE AND NEC.
- 15. ELECTRICAL METALLIC TUBING (EMT), INTERNEDIATE METAL CONDUIT (MC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

- 16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- 17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90% AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- 18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- 19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION—TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- 20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- 21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECIATE WIREWAY).
- 22. SLOTTED WRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 23. CONDUITS SHALL BE FASTEND SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND MANCERS. EXPLOSIVE DEVICES (I.G., POMOBER-ACTIVATED) FOR ATTACHING MANCERS TO STRUCTURE MILL NOT BE PERMITTED, LOSSLY FOLLOW THE LINES OF THE STRUCTURE. MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANCES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUITS SHALL BE INJUILED IN A NEAT AND WORKMANUKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE REPORABLY CAPPED FILLISH TO FINISH GRAD PREVENT CONCRETE, PLASTER OR DIST FROM ENTERING. CONDUITS SHALL BE RIGOLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE RON DUSHING ON INSIDE AND
- 24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALYANIZED OR EPOXY—COATED SHEET STEEL SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
- 25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY—COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERDE LOCATIONS.
- 28. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OF EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- 28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- 29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless LL.C.".
- 30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



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PERMITTING DOCUMENTS

		SUBMITTALS	
REV	DATE	DESCRIPTION	
A	08/31/3031	COMMEND FOR REVIEW	
	11/03/2021	PENSION	
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DISH Wreless LLC.
PROJECT INFORMATION
CHICHIDORDAA

CHCHI00894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE
GENERAL NOTES

SHEET NUMBER

GN-3

GROUNDING NOTES:

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



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PERMITTING DOCUMENTS

	SUBMITTALS		
REV	DATE	DESCRIPTION	
A		ISSUED FOR REVIEW	
	11/03/2001	REVISION	
	08/17/2022		
0	09/23/2022	ISBUED FOR PERMITTING	
1	07/10/2022	CONCERLIEDIT NOTE ADDITION	

A&E PROJECT NUMBER 2020.0185.0053

DISH Wireless L.L.C. PROJECT INFORMATION

CHCHI00894A 507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE
GENERAL NOTES

SHEET NUMBER

GN-4

STRUCTURAL NOTES:

APPLICABLE CODES

 DESIGN & CONSTRUCTION OF ALL WORK SHALL CONFORM TO THE FOLLOWING CODES: 2015 INTERNATIONAL BUILDING CODE TIA-222-G

DESIGN LOADS:

WND LOAD:

90 MPH BASIC DESIGN WIND SPEED PER TIA-222-G

GENERAL NOTES

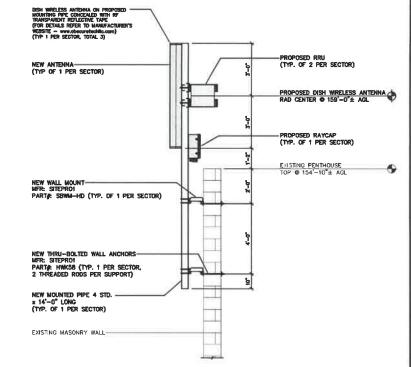
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL LAWS, REGULATIONS, AND RALES SET FORTH BY FEDERAL, STATE, AND LOCAL AUTHORITIES WITH JURISDICTION OVER THE PROLECT. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WETTERS THE LAW, ORDINANCE, REGULATION OR RULE IS MENTIONED IN THESE SPECIFICATIONS.
- ALL WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS, PROJECT SPECIFICATIONS, AND THE CONSTRUCTION CONTRACT DOCUMENTS.
- 3. THE CONTRACTOR SHALL HAVE AND MAINTAIN A VALID CONTRACTOR'S LICENSE FOR THE LOCATION IN WHICH THE WORK IS TO BE PERFORMED. FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAIL OR SUBCONTRACTOR PERFORMING THOSE TRADES SHALL BE LICENSED.
- FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND STATE LAW AS DEFINED IN THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT.
- PRIOR TO THE SUBMISSION OF THE BID, THE CONTRACTOR SHALL VISIT THE JOB SITE, VERRY ALL DIMENSIONS AND BECOME FAMILIAR WITH THE FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
- 6. DRAWING PLANS SHALL NOT BE SCALED.
- THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK NOT CLEARLY IDENTIFIED ON THE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE PROJECT MANAGER.
- B. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE NOTED.
- ALL MEANS AND METHODS OF CONSTRUCTION DEALING WITH TOWER CONSTRUCTION AND SAFETY, STEEL ERECTION, EXCAVATIONS, TRENCHING, SCAFFOLDING, FORWOORK, ELECTRICAL, AND WORK IN CONFINED SPACES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERMISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- 11. THE CONTRACTOR SHALL BE EXPERIENCED IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ACCEPTANCE THAT HE IS KNOWLEDGEASTE OF THE WORK TO BE PERFORMED THAT HE IS KNOWLEDGEASTE. OF THE WORK TO BE
- 12. THE CONTRACTOR SHALL PROVIDE SUFFICIENT TEMPORARY BRACING AND/OR SHORING OF ALL STRUCTURAL AND NON-STRUCTURAL ELEMENTS DURING CONSTRUCTION UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN PROPERLY INSTALLED.
- 13. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCOMFORMING MATERIALS SHALL BE REPORTED TO THE PROJECT MANAGER AND ENGLIER, AND SHALL REQUIRE APPROVAL PRIOR TO PERFORMING ANY REMEDIAL OR CORRECTIVE ACTION.

STRUCTURAL STEEL NOTES:

- I. STRUCTURAL STEEL MATERIALS CONFORM TO THE LATEST EDITION OF APPUCABLE STANDARDS AND TO ALL APPUCABLE CODES AND REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT, ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST APPUCABLE REQUIREMENTS OF AISC, ASTM, ACI, CRS, AWS AND ALL OTHER APPUCABLE STANDARDS
- 2. ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 UNLESS NOTED ON THE CONSTRUCTION
- ROLLED STEEL SHAPES, PLATES AND BARS SHALL BE NO LESS THAN 3/16 INCHES IN THICKNESS AND SHALL COMPLY WITH ASTM A-36 AS A MINIMUM.
- STEEL PIPE SHALL COMPLY WITH ASTM A-501 OR ASTM A-53, TYPE E OR S, GRADE B. A-500 GRADE B STEEL MAY BE SUBSTITUTED.
- GALVANIZED STEEL GRATING SHALL BE A MINIMUM 1-1/4 INCH X 1/B INCH AT 3/16 INCHES ON CENTER.
- COLD FORMED CHANNELS, C'S AND Z'S USED AS GIRTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD A607 GRADE 50.

7. CONNECTIONS:

- A. CONTRACTOR SHALL PROVIDE ALL HARDWARE REQUIRED TO COMPLETE FELD ERECTION OF STRUCTURE AS INDICATED BY CONTRACT DOCUMENTS OR THESE SPECIFICATIONS.
- B. HIGH STRENGTH THREADED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH AISC SPEOFICATIONS FOR STRUCTURAL JOHTS USING ASTM A-325 BOLTS, USE A-325N BEARING-TYPE CONNECTION BOLTS UNLESS NOTED OTHERWISE.
- C. CRATING AND PLATES SHALL BE FASTEMED WITH SADILE CUPS. THE NECESSARY MALES TO COMPLETE ALL PHASES OF CONSTRUCTION SHALL BE PROVIDED AND CALLED OUT ON THE APPROVED SHOP DRAWINGS. ALL HOLES SHALL BE DRILLED OR PUNCHED PERPENDICULAR TO METAL SURFACES, FLAME CUT OR BURNED HOLES WILL NOT BE PERMITTED.
- D. ALL UNFINISHED THREADED FASTENERS SHALL COMPLY WITH ASTM A-307, GRADE A, REGULAR LOW-CARBON STEEL BOLTS AND NUTS WITH HEXAGONAL HEADS.
- E. ALL HIGH STRENGTH THREADED FASTENERS
 SHALL BE HEAVY HEXAGONAL BOLTS AND NUTS
 WITH HARDENED WASHERS, ALL FROM
 QUENCHED AND TEMPERED MEDIUM CARBON
 STELL COMPLYING WITH ASTM A—325.





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RFDS REV #: 4.1

PERMITTING DOCUMENTS

SUBMITTALS

REV DATE DESCRIPTION

A 68/37/2021 GIBLIOT FOR REVIEW

9 11/03/2021 ROYSION

0 06/37/2022 ROYSION

1 07/19/2022 GIBLIOT FOR POTRITION

1 07/19/2022 GIBLIOT FOR POTRITION

1 07/19/2022 GIBLIOT FOR POTRITION

AME PROJECT NUMBER 2020.0185.0053

DISH Wireless LLC. PROJECT INFORMATION CHCHI00894A

507 E. TAYLOR ST. DEKALB, IL 60115

SHEET TITLE
STRUCTURAL NOTES
& DETAIL

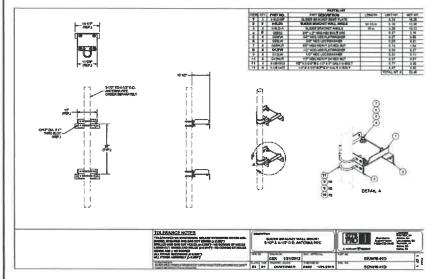
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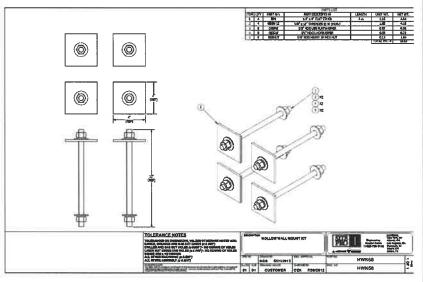
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NEW ANTENNA WALL MOUNT

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PERMITTING DOCUMENTS

		SUBMITTALS
REV	DATE	DESCRIPTION
A	06/31/2021	ISBUED FOR REVIEW
	11/03/2021	PENSION
e	09/07/2022	PÉVEROR
	04/23/2022	ISSUED FOR PERMITTING
1	07/10/2022	CONCEALMENT HOTE ADDITION

AME PROJECT NUMBER 2020.0185.0053

DISH Wireless LLC.
PROJECT INFORMATION

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507 E. TAYLOR ST.
DEKALB, IL 60115

SHEET TITLE
STRUCTURAL DETAILS

SHEET NUMBER

S-2



DOUGLAS J. JOHNSON RECORDER - DEKALB COUNTY, IL

RECORDED: 9/15/2022 11:13 AM REC FEE: 75.00

STATE OF ILLINOIS)
COUNTY OF DEKALB) SS
CITY OF DEKALB)

PAGES: 26

CERTIFICATION

I, **RUTH A. SCOTT**, am the duly qualified and appointed Executive Assistant of the City of DeKalb, DeKalb County, Illinois, as authorized by Local Ordinance 2019-059, and as such Executive Assistant, I maintain and am safe-keeper of the records and files of the Mayor and City Council of said City.

I do hereby certify that the attached hereto is a true and correct copy of:

ORDINANCE 2022-044

APPROVING A SPECIAL USE PERMIT FOR ANTENNAS AND ASSOCIATED COMMUNICATIONS EQUIPMENT ON TOP OF THE BUILDING AT 507 E. TAYLOR STREET (DISH WIRELESS).

PASSED BY THE CITY COUNCIL of the City of DeKalb, Illinois, on the 12th day of September 2022.

WITNESS my hand and the official seal of said City this 15th day of September 2022.

OF DEATOR

RUTH A. SCOTT, Executive Assistant

Prepared by and Return to:

City of DeKalb City Manager's Office Attention: Ruth A. Scott 164 E. Lincoln Highway DeKalb, Illinois 60115