



AGENDA

St. Clair County Board of Commissioners Environmental/Public Works Committee

MEETING WILL BE HELD REMOTELY VIA WEBEX

June 3, 2021 at 6:00 PM

The meeting will be held virtually due to the COVID-19 pandemic. Any citizen who wishes to address the Board can send their request to citizens@stclaircounty.org or leave a voicemail at 810-989-6900 prior to 4:00 p.m. the day of the meeting.

Event Address: <https://stclaircounty.webex.com/stclaircounty/onstage/g.php?MTID=e80570f70e2183fbf2fa46eb8ab2d3162>

Event Password:1234

Audio Conference: To receive a call back, provide your phone number when you join the event;
OR
Call 1-408-418-9388 and Enter Access code: 132 127 1947

-
1. **Roll Call/Opening**
 2. **Additions/Deletions/Changes to the Agenda**
 3. **Citizens to be Heard**
 4. **Updates**
 5. **Conceptual Initiatives**
 6. **Old Business**
 7. **New Business**
 - A. Parks and Recreation Painting Project Contract Award
 8. **Smiths Creek Landfill Activities Reports**
 - A. Smiths Creek Landfill Activities Reports

9. Other Environmental/Public Works Matters

10. Information Only

A. T-Mobile Proposed Mayer Road Telecommunications Project

11. Receive and File Packets

12. Adjournment

Committee Chair: Duke Dunn

Note: The County complies with the "Americans with Disabilities Act" and if auxiliary aids or services are required at the meeting for individuals with disabilities, please contact Administrator/Controller's Office, Suite 203, 200 Grand River Avenue, Port Huron, MI 48060, (810) 989-6900 three days prior to said meeting.

Parks and Recreation Painting Project Contract Award

Summary:

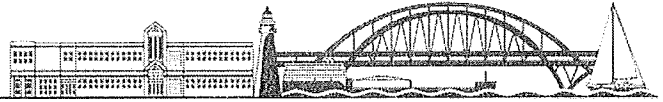
ATTACHMENTS:

Description		Upload Date	Type
📎	Parks Painting Contract	5/11/2021	Cover Memo



COUNTY OF ST. CLAIR

Parks and Recreation Commission



MEMO

To: Nancy Winzer, Director
From: Brad Brenske, Park Operations Supervisor
Date: May 3, 2021

Re: Recommendation for contractor to Paint the Goodells County Park's Operations Building, Garden Center, and Reseal the Splash Pad Pavilion, Garden Pavilion and Columbus Lodge.

I have collected bids from local contractors. These bids are Painting/Resealing; Paint the exterior of the Operations Center and Garden Center at Goodells County Park, Reseal the Splash Pad Pavilion and Garden Center Pavilions at Goodells County Park and Reseal the Lodge at Columbus County Park. This project was also posted on MITN without any bids coming in. I'm finding that everyone is swamped with work and personnel shortages.

The bids that were received are as follows:

Eason Painting	\$35,062.71	
Donnelly Painting	\$29,480.00	Not a full bid
Fenner Painting	Not Available	

I would like to recommend that contractor Eason Painting be awarded the contract to Paint Goodell's Operations Center, Garden Center, and Reseal Splash Pad Pavilion, Garden Pavilion and Columbus Lodge for our 2021 project in the amount of \$35,062.71



Request for proposals: Painting of Goodells County Park's Operation Center, Garden Center and Sealing Splash Pad and Garden Center Pavilions, and Sealing Columbus County Park's Lodge.

St. Clair County Parks and Recreation Commission is accepting proposals for 2021 Painting/Resealing; Paint the exterior of the Operations Center and Garden Center at Goodells County Park, Reseal the Splash Pad and Garden Center Pavilions at Goodells County Park and Reseal the Lodge at Columbus County Park.

Addresses: Goodells County Park, 8264 County Park Drive, Goodells, MI 48027
Columbus County Park, 1670 Bauman Road, Columbus, MI 488063

PREPREATION: All buildings to be painted/sealed will be power washed, cleaned with TSP, rinsed thoroughly and let dry for before finish work. When dried, the loose paint and materials will be removed by scraping and exposed edges will be feathered by sander. Bare wood will be spot primed with oil primer. All remaining loose caulking will be removed and re-caulked with a paintable silicone caulk. All window glazing will be touched up prior to painting.

FINISH: To be applied after 72 hours of power washing, the above steps are completed and verified by the owner. Application shall be by brush/roller or sprayer and then back brushed/rolled. All grounds and concrete surfaces around the buildings are to be covered and the cleanup is to be very thorough.

Site Visit Required! Owner will have final approval for paint/sealing products after reviewing recommendations. Work is to not conflict with events, check with Park Operations Supervisor for schedules. All work to be completed by September 30th, 2021. Work is to be done in a professional manner and sites are expected to be clean and safe for public use.

Items:	GOODELL'S OPERATIONS CENTER	\$ <u>7,782.42</u>
	GOODELL'S GARDEN CENTER	\$ <u>5,620.79</u>
	GOODELL'S GARDEN PAVILION	\$ <u>5,425.63</u>
	GOODELL'S SPLASH PAD PAVILION	\$ <u>3,853.87</u>
	COLUMBUS' LODGE	\$ <u>12,380.00</u>
	TOTAL	\$ <u>35,062.71</u>

Payment for quoted work performed will be net 30 after satisfactory completion of the project.

All proposals must be received by St Clair County Parks by Monday, March 29th, 2021 at 12:00PM. Proposals can be faxed to (810) 966 – 2823, Emailed to bbrenske@stclaircounty.org or sent to the following billing address.

St Clair County Parks and Recreation Commission
200 Grand River Ave. Suite 107
Port Huron, MI 48060

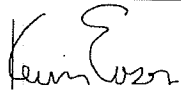
All questions regarding this RFP can be directed to Brad Brenske, at 810-334-1473 or bbrenske@stclaircounty.org. Please feel free to contact the above if you would like further explanation or to schedule a walk- through of the job on site.

This Proposal has been submitted by: Kevin Eason

On behalf of: Eason Painting

Recommended Products: Sikkens Cetrol SRD, Sherwin Williams Duration Low Luster, SW Extrem Bonding Primer

Signature: _____



Date: 03/26/21

Request for proposals: Painting of Goodells County Park's Operation Center, Garden Center and Sealing Splash Pad and Garden Center Pavilions, and Sealing Columbus County Park's Lodge.

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Items:	GOODELL'S OPERATIONS CENTER	\$ 8700 Two COATS
	GOODELL'S GARDEN CENTER	\$ 5600 Two COATS
	GOODELL'S GARDEN PAVILION	\$ 6300 Two COATS
	GOODELL'S SPLASH PAD PAVILION	\$ NOT AVAILABLE
	COLUMBUS' LODGE	\$ 8800 ONE COAT
	TOTAL	\$ 29,400

Payment for quoted work performed will be net 30 after satisfactory completion of the project.

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All questions regarding this RFP can be directed to Brad Brenske, at 810-334-1473 or . Please feel free to contact the above if you would like further explanation or to schedule a walk- through of the job on site.

This Proposal has been submitted by: JOE DONNELLY

On behalf of: DONNELLY PAINTING

Recommended Products: PRATT+LAMBERT ACCORDIE EGGSEAL PAINT
PRATT+LAMBERT OIL BASE PRIMER, SILVER S PPG LOG & SIDING

Signature: Joe Donnelly Date: 3-29-21

Brenske, Brad

From: Barry Fenner <barryfenner@icloud.com>
Sent: Monday, March 08, 2021 7:50 AM
To: Brenske, Brad
Subject: Re: SCCParks 2021 Painting Project

EMAIL ORIGIN EXTERNAL: Use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Brad it's Barry Fenner thank you for contacting us about your project but we will not be able to bid this because we are working full time at mueller brass. Sorry

Sent from my iPhone

On Mar 4, 2021, at 11:22 AM, Brenske, Brad <bbrenske@stclaircounty.org> wrote:

Good Morning,

I have some work at Goodells, and Columbus County Parks. I hope to have you quote this work.

Respectfully,

BRAD W. BRENSKE

Park Operations Supervisor
St. Clair County Parks and Recreation Commission
200 Grand River Avenue, Suite 107
Port Huron MI 48060
(810) 989-6928 Office, (810) 334-1473 Mobile
(810) 966-2823 (FAX)

<RFP - 2021 Building Painting & Resealing at GCP, CCP.pdf>

Smiths Creek Landfill Activities Reports

Summary:

ATTACHMENTS:

	Description	Upload Date	Type
📎	Landfill Gas to Energy	5/25/2021	Exhibit
📎	April Volume	5/25/2021	Exhibit
📎	Data Comparisons 2018-2021	5/25/2021	Exhibit

COUNTY OF ST CLAIR
SMITHS CREEK LANDFILL
GAS TO ENERGY

2021	Plant Efficiency	Electric Power Sale Royalty	Section 45 Tax Credit Royalty	Additional Gas Rights	Total Revenue
January	97.7%	\$ 54,845	\$ 10,745	\$ 4,024	\$ 69,615
February	89.9%	\$ 56,704	\$ 11,111	\$ 4,024	\$ 71,840
March	91.3%	\$ 62,120		\$ 4,024	\$ 66,145
April	93.7%				
May					
June					
July					
August					
September					
October					
November					
December					
Total	93.2%	\$ 173,668	\$ 21,856	\$ 12,072	\$ 207,600

COUNTY OF ST CLAIR
SMITHS CREKK LANDFILL
VOLUME REPORT
APRIL 2021

CUSTOMER	DEMO (TONS)	MUNICIPAL SOLID WASTE (TONS)	SPECIAL WASTE (TONS)	TOTAL TONS	TOTAL YARDS
BASIC TRANSPORTATION GROUP, LLC	0	6,231	0	6,231	20,520
CURRAN RECYCLING LTD.	0	2,989	0	2,989	8,880
EMTERRA ENVIRONMENTAL USA	15	2,813	52	2,879	8,253
JEFF'S RUBBISH DISPOSAL	122	1,193	0	1,315	4,500
JOB SITE SERVICES, INC	0	0	4,748	4,748	3,804
M.L CHARTIER	0	0	9,841	9,841	8,464
MARCOTTE DISPOSAL	25	1,642	0	1,667	5,682
SOUTH BARRIE TRANSGER LTD	0	1,648	0	1,648	5,040
WASTE MANAGEMENT	121	2,017	27	2,165	10,061
OTHER CUSTOMERS	<u>2,861</u>	<u>2,627</u>	<u>651</u>	<u>6,140</u>	<u>26,237</u>
	3,144	21,160	15,318	39,622	101,442

SEPTAGE CUSTOMERS	TOTAL GALLONS	TOTAL YARDS	TOTAL TONS
CARLS SEPTIC	65,937	336	269
LEES SEPTIC SERVICE LLC	22,974	114	94
R&P HODGES SEPTIC SERVICE	54,297	269	222
RATTEE SEPTIC	34,861	173	142
SCOTTY'S POTTY'S	<u>13,316</u>	<u>66</u>	<u>54</u>
	191,384	957	781

TOTAL TONS
TOTAL YARDS

COUNTY OF ST CLAIR
SMITHS CREEK LANDFILL
COMPARISON
2018- 2021

Year Month	2018 Tons	2019 Tons	2020 Tons	2021 Tons	2021 Income	2021 Expense*	2021 Net
January	40,066	16,090	22,917	19,901	\$ 781,506	\$ 214,720	\$ 566,786
February	22,883	16,010	20,284	19,118	\$ 805,969	\$ 270,740	\$ 535,230
March	25,290	20,319	21,928	34,858	\$ 810,131	\$ 350,643	\$ 459,489
April	24,161	26,568	17,404	39,622	\$ 636,233	\$ 1,143,664 *	\$ (507,431)
May	28,333	32,958	22,192				\$ -
June	32,221	26,425	26,795				\$ -
July	32,573	29,270	26,303				\$ -
August	30,375	25,832	24,824				\$ -
September	26,790	25,734	29,798				\$ -
October	23,903	27,927	54,751				\$ -
November	19,836	24,899	44,857				\$ -
December	18,692	21,665	45,554				\$ -
Total	325,123	293,698	357,607	113,499	\$ 3,033,839	\$ 1,979,767	\$ 1,054,073

Landfill Expenses detailed in the Income and Expense Report (ONESolution).

* Appropriation Transfer Out \$900,000 Road Commission

T-Mobile Proposed Mayer RoadTelecommunications Project

Summary:

ATTACHMENTS:

	Description	Upload Date	Type
	T-Mobile Proposed Mayer RoadTelecommunications Project	5/18/2021	Cover Memo



May 13, 2021

Ms. Karry A. Hepting, C.P.A., Administrator/Controller
St. Clair County, MI
Administrator/Controller Department
200 Grand River Ave. Suite 203
Port Huron, MI 48060

RE: Section 106 Invitation per the National Historic Preservation Act and the National Environmental Policy Act to the Certified Local Government:
DE03147A/Anchor
Mayer Rd. approximately 0.45 miles north of Fred W. Moore Highway
Saint Clair, MI 48079

Dear Ms. Hepting, C.P.A.,

T-Mobile is proposing a telecommunications project at the above address. Please consider this correspondence an invitation to comment on the possible effects the proposed project may have on sites or structures of historic significance. *This correspondence is not an attempt to satisfy the local zoning requirements.*

Enclosed for your review is a copy of a USGS 7.5-Minute topographic map, property photographs, site sketch and a table of information regarding the proposed project. As part of our research, RESCOM will submit the proposed project for Section 106 review per the National Historic Preservation Act and the National Environmental Policy Act to the State Historic Preservation Office. In addition, a public notification was placed in the local newspaper to solicit "questions, comments, and correspondences" from the public regarding the proposed project.

Should you require further information, please do not hesitate to contact our office or contact me directly at (260) 385-6999. Thank you for your time and attention to this matter.

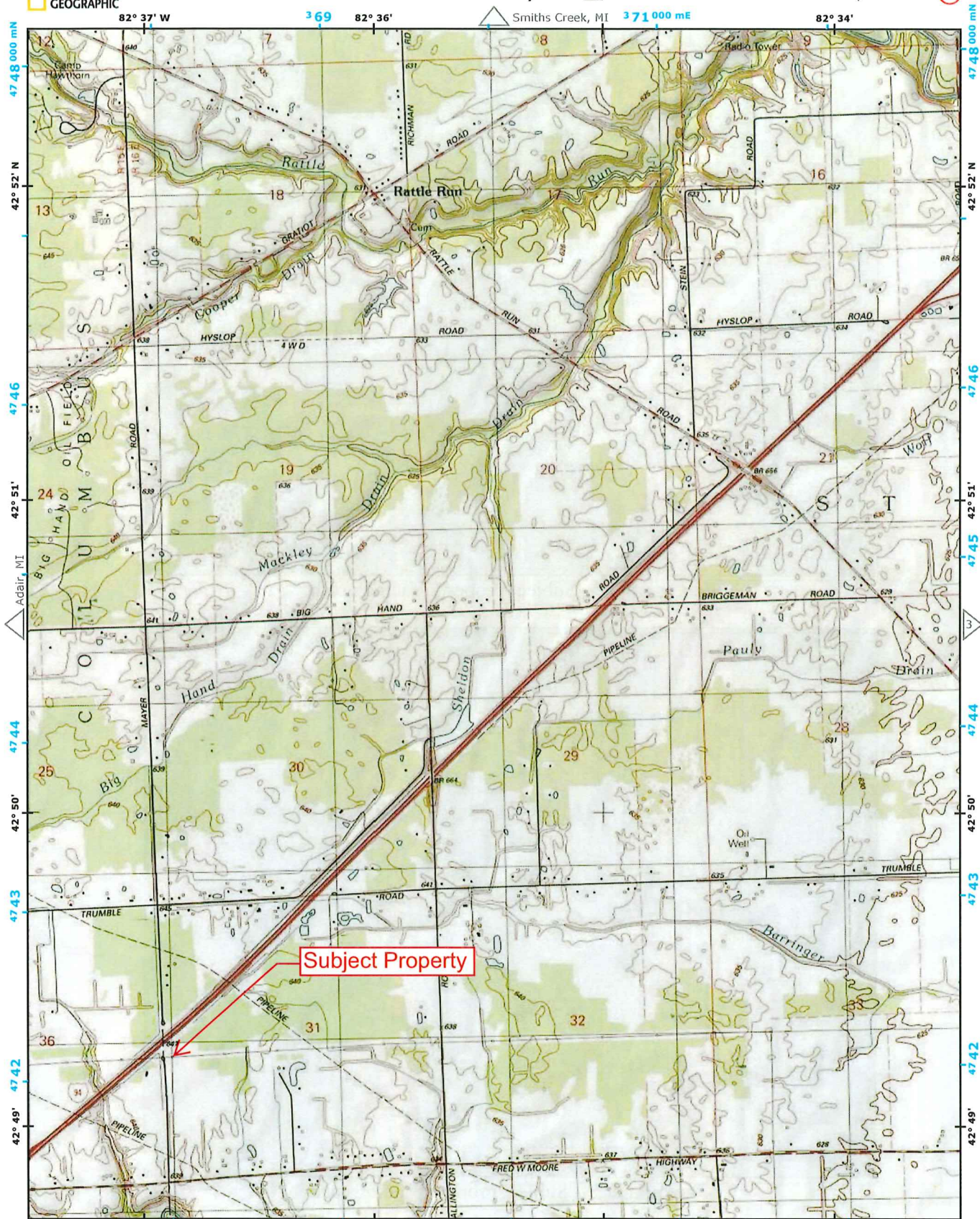
Sincerely,
RESCOM Environmental Corp

A handwritten signature in black ink, appearing to read "Jamie Cochran-Smith", written in a cursive style.

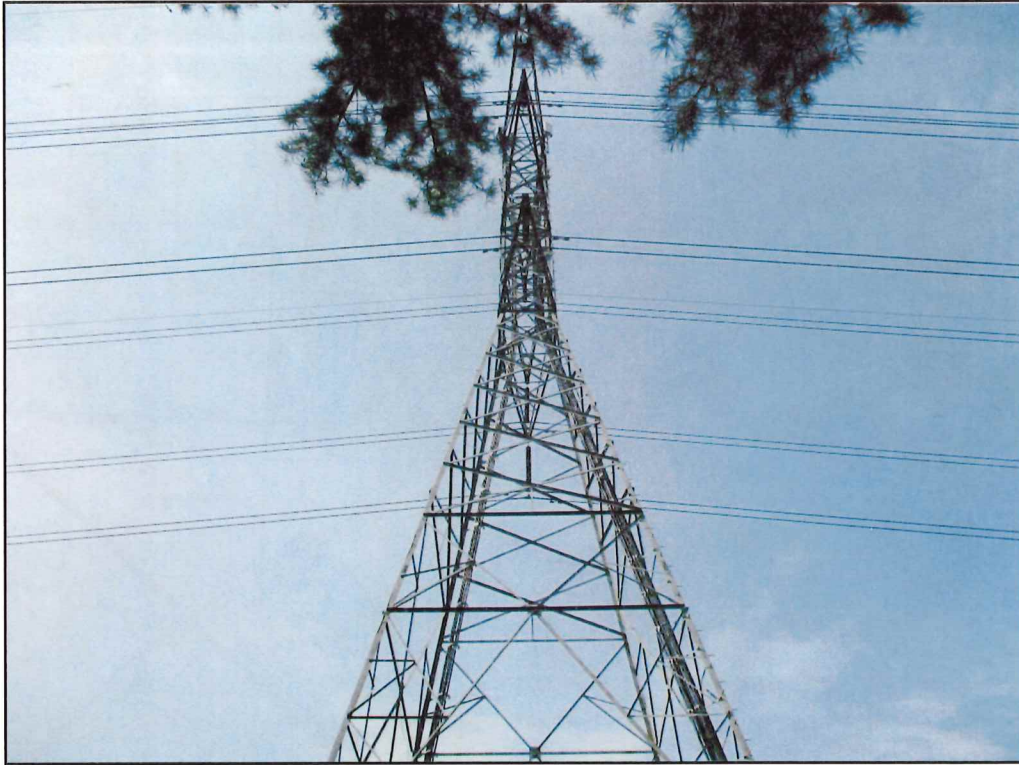
Jamie Cochran-Smith
Archaeologist/Historian
jamie.cochran-smith@rescom.org

Enclosure

cc: RESCOM file 21030332



SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR

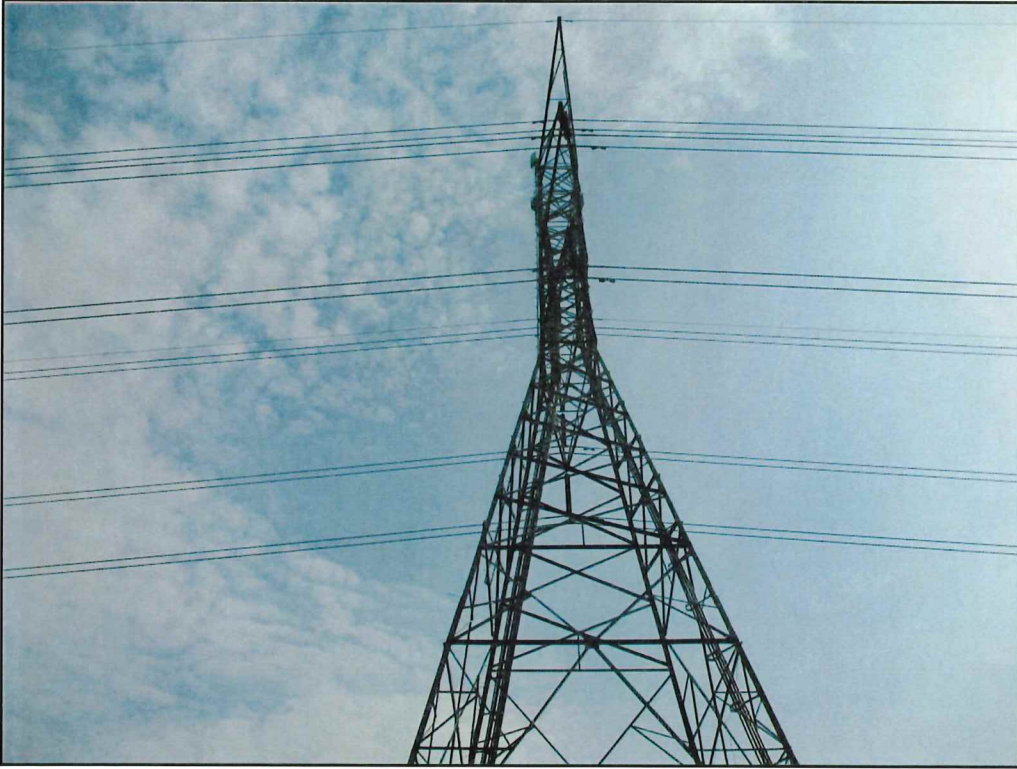


Photograph 1 – Subject property, facing north.

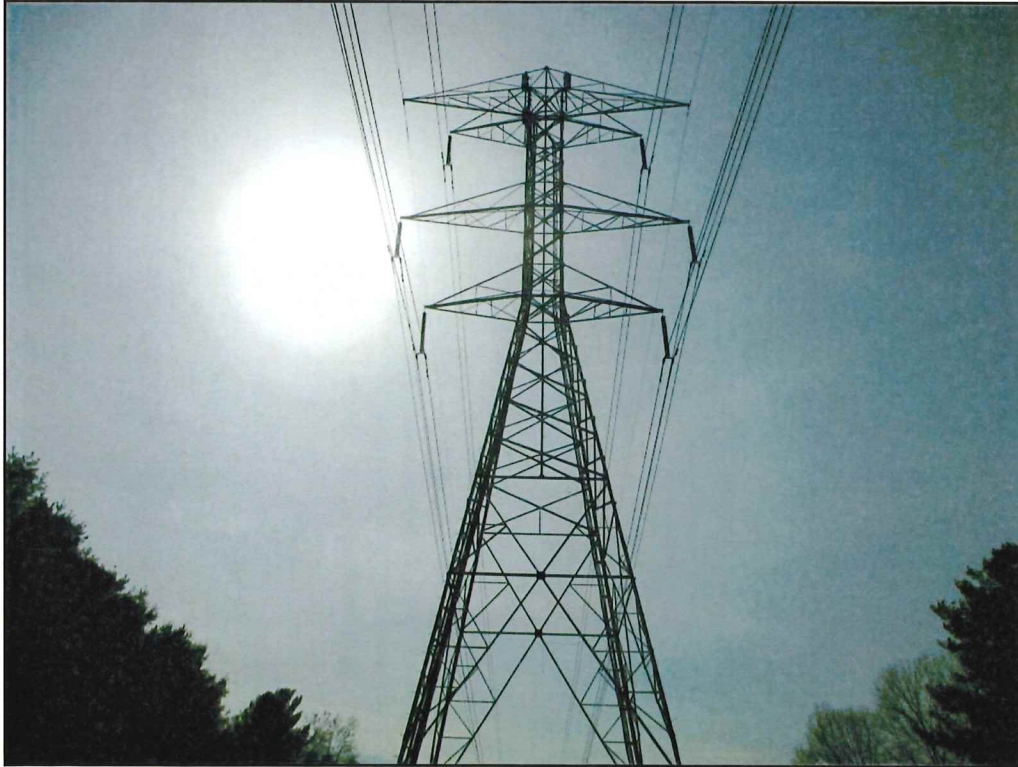


Photograph 2 – Subject property, facing east.

SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR



Photograph 3 – Subject property, facing south.



Photograph 4 – Subject property, facing west.

SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR



Photograph 5 – Adjacent property, facing north.



Photograph 6 – Adjacent property, facing northeast.

SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR



Photograph 7 – Adjacent property, facing east.



Photograph 8 – Adjacent property, facing southeast.

SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR



Photograph 9 – Adjacent property, facing south.



Photograph 10 – Adjacent property, facing southwest.

**SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR**



Photograph 11 – Adjacent property, facing west.

SUBJECT PROPERTY PHOTOGRAPHS
DE03147A/ANCHOR



Photograph 12 – Adjacent property, facing northwest.



2020 ANCHOR CONSTRUCTION DRAWINGS

SITE NAME
ITC TOWER # 13813

SITE NUMBER
DE03147A

SITE ADDRESS
2725 MAYER RD
SAINT CLAIR, MI 48079

DRIVING DIRECTIONS:

DETROIT METRO AIRPORT, DETROIT, MI 48242, HEAD SOUTHEAST ON DTW ADMINISTRATIVE OFFICES TOWARD
WILLIAM G ROGELL DR 495 FT, BEAR RIGHT ONTO WILLIAM G ROGELL DR 1.1 MI, TAKE RAMP RIGHT FOR I-44 EAST
TOWARD DETROIT 59.1 MI, 49 MIN, AT EXIT 257, TAKE RAMP RIGHT TOWARD ST CLAIR 0.5 MI, TURN RIGHT ONTO FRED
W MOORE HWY TOWARD ST CLAIR 0.5 MI, TURN LEFT ONTO MAYER RD 0.5 MI

ARRIVED AT 2725 MAYER RD, SAINT CLAIR, MICHIGAN 48079.

ATTENTION GC:

THESE DRAWINGS ARE PREPARED BASED ON RFDS
DATED: 08/12/2020

GENERAL CONTRACTOR TO CHECK WITH CONSTRUCTION
TO VERIFY THAT THE RFDS IS CORRECT.

NOTE:

THESE DRAWINGS WERE PREPARED BASED ON EXISTING
DRAWINGS AND INFORMATION PROVIDED BY T-MOBILE.
ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED
PRIOR TO ANY CONSTRUCTION. IF ANY DISCREPANCIES
ARE FOUND, CONTACT ARCHITECT AND T-MOBILE
PROJECT MANAGER

LOW VOLTAGE DC POWER
REQUIRED (-48 VOLTS)

CHECK BREAKER SIZE, 100 AMP
BREAKER REQUIRED FOR SSC

THE T-MOBILE EQUIPMENT IS LESS
THAN 400A ELECTRICAL SERVICE.



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

- | | |
|----------------------------------|--------------------------------------|
| 1. 2015 MICHIGAN BUILDING CODE | 7. 2015 MICHIGAN PLUMBING CODE |
| 2. 2015 MICHIGAN MECHANICAL CODE | 8. INTERNATIONAL FIRE CODE |
| 3. ANSI / TIA-222-H | 9. 2015 MICHIGAN UNIFORM ENERGY CODE |
| 4. NATIONAL ELECTRIC CODE 2017 | 10. MIOSHA RULES AND REGULATIONS |
| 5. LOCAL BUILDING CODE | 11. NFPA-101 LIFE SAFETY CODE |
| 6. CITY/COUNTY ORDINANCES | |

NOTE: CM TO VERIFY EQUIPMENT LAYOUT PRIOR TO INSTALLATION.



VICINITY MAP
NOT TO SCALE

SITE TYPE:

UPGRADE OF EQUIPMENT AT AN EXISTING
UNMANNED TELECOMMUNICATION SITE.

GEOGRAPHIC INFORMATION:

(LATITUDE & LONGITUDE BASED ON NAD1983)

LATITUDE: 42.82034675°
LONGITUDE: -82.6146287°
T-MOBILE RAD CENTER HEIGHT: 156' AGL

SQUARE FOOTAGE:

T-MOBILE LEASE AREA: TBD

TOWER OWNER:

INTERNATIONAL TRANSMISSION
COMPANY
27175 ENERGY WAY,
NOVI, MI 48377

APPLICANT:

T-MOBILE CENTRAL LLC
28505 SCHOOLCRAFT RD, BLDG#6
LIVONIA, MI 48150
PHONE: (734) 367-7200
FAX: (734) 367-7242

ARCHITECT (COORDINATING PROFESSIONAL):

PETER LICHOMSKI, AIA
49030 PONTIAC TRAIL, SUITE 400,
WIXOM, MI 48393
PH: (248) 705-9212

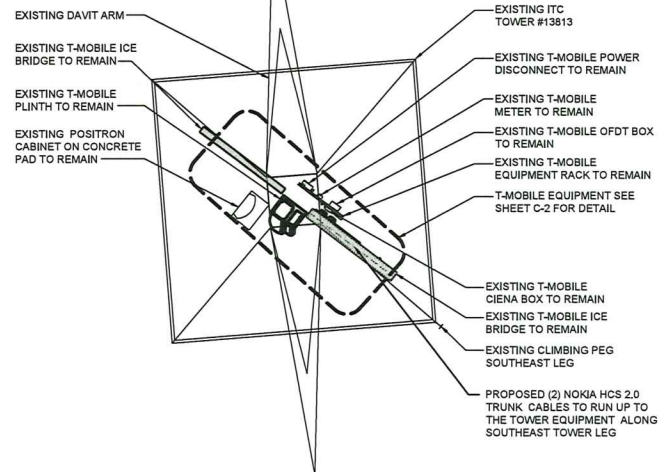
ENGINEER:

JAMES F. ENGLISH, PE
49030 PONTIAC TRAIL, SUITE 400,
WIXOM, MI 48393

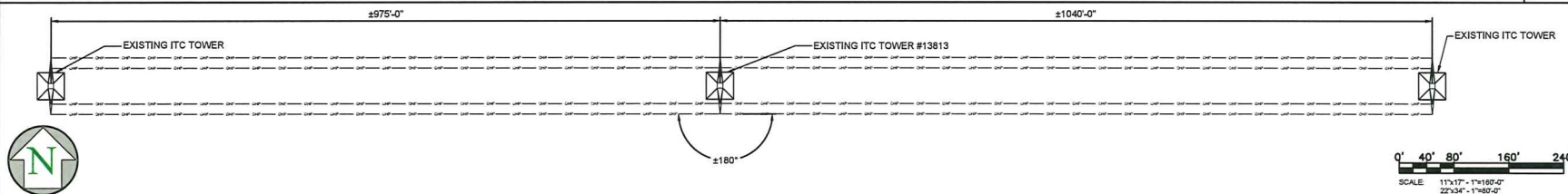
OCCUPANT LOAD:
UNOCCUPIED



Know what's below.
Call before you dig.



0' 5'-4" 10'-8" 21'-4" 32'
SCALE: 11'x17" = 3/32"=1'-0"
22'x34" = 3/32"=1'-0"



EXISTING TOWER MAP 1" = 80'-0" 2



28505 SCHOOLCRAFT RD, BLDG#6
LIVONIA, MICHIGAN 48150
Phone: (734) 367-7200
Fax: (734) 367-7242
CONTACT: KEN KALOUSEK
(734) 444-0161

LAB PROJECT NUMBER

REV.	DATE	DESCRIPTION	BY
A	08/25/20	PRELIMINARY CD's	RC
B	01/06/21	REVISED CD's	RC
C	02/03/21	REVISED CD's	RC
D	02/05/21	REVISED CD's	HC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

NOTE: THESE DRAWINGS ARE TO SCALE
WHEN PLOTTED ON 11x17" SHEETS. REFER
TO GRAPHIC SCALES ON REPRODUCTIONS.



SITE #: DE03147A

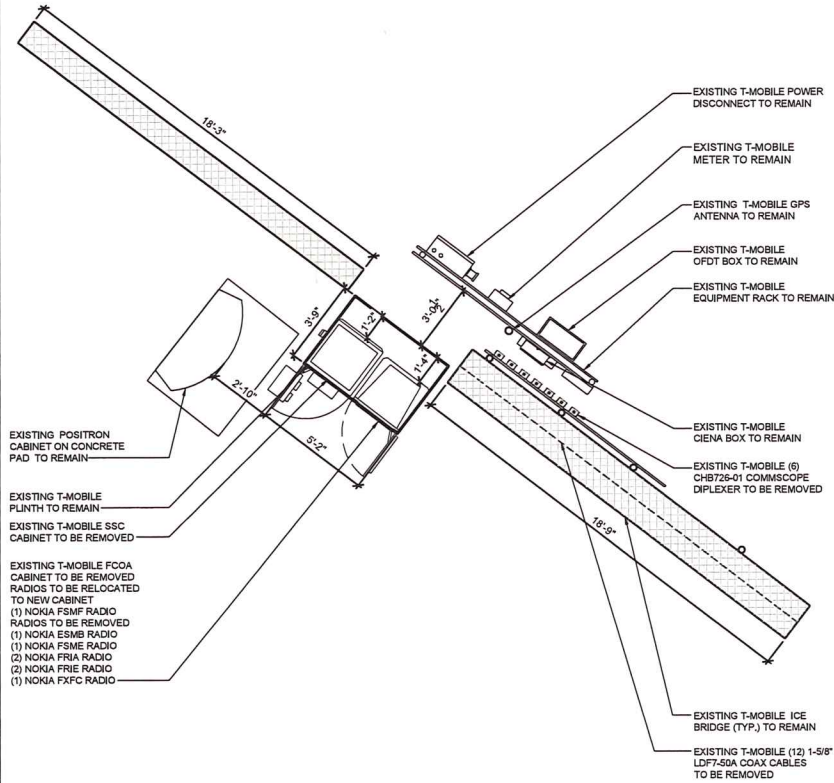
SITE NAME:
ITC TOWER # 13813

SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title:
SITE PLAN

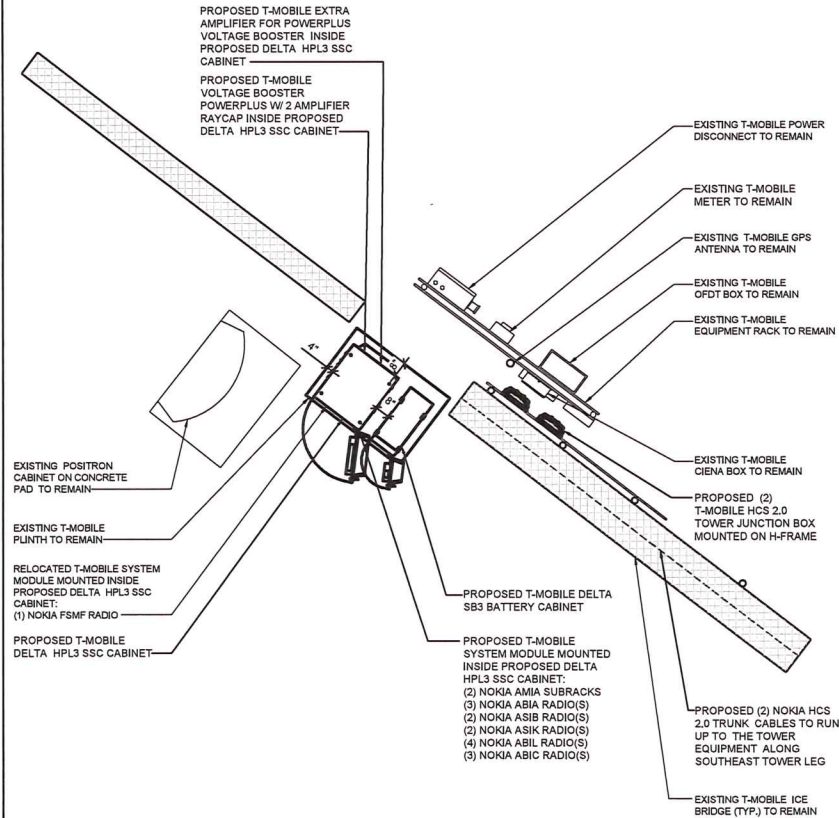
Sheet Number:
C-1

NOTE:
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DRAWINGS AND INFORMATION PROVIDED BY T-MOBILE. ALL
EXISTING CONDITIONS SHOULD BE FIELD VERIFIED PRIOR
TO ANY CONSTRUCTION. IF ANY DISCREPANCIES ARE
FOUND, CONTACT ARCHITECT AND T-MOBILE PROJECT
MANAGER



SCALE: 11'x17\"/>

EXISTING EQUIPMENT LAYOUT 3/8" = 1' 1



SCALE: 11'x17\"/>

PROPOSED EQUIPMENT LAYOUT 3/8" = 1' 2

T-Mobile
28505 SCHOOLCRAFT RD. BLDG#8
LIVONIA, MICHIGAN 48150
Phone: (734) 367-7200
Fax: (734) 367-7242
CONTACT: KEN KALOUSEK
(734) 444-0181

LAB PROJECT NUMBER			
REV.	DATE	DESCRIPTION	BY
A	09/25/20	PRELIMINARY CD's	RC
B	01/06/21	REVISED CD's	RC
C	02/03/21	REVISED CD's	RC
D	02/05/21	REVISED CD's	HC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

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SITE #: DE03147A
SITE NAME:
ITC TOWER # 13813
SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079
Sheet Title:

EQUIPMENT PLAN

Sheet Number:
C-2

ANTENNA SCHEDULE						
SECTOR	ALPHA		BETA		GAMMA	
ANTENNA POSITION	A-1	A-2	B-1	B-2	C-1	C-2
AZIMUTH	30°	30°	150°	150°	270°	270°
RAD CENTER (AGL)	156'	156'	156'	156'	156'	156'
MODEL	FFVV-65C-R3-V1	AEHC	FFVV-65C-R3-V1	AEHC	FFVV-65C-R3-V1	AEHC
FEEDER LENGTH	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"

T-Mobile
 26505 SCHOOLCRAFT RD, BLDG#6
 LIVONIA, MICHIGAN 48150
 Phone: (734) 367-7200
 Fax: (734) 367-7242
 CONTACT: KEN KALOUSEK
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REV.	DATE	DESCRIPTION	BY
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C	02/09/21	REVISED CD's	RC
D	02/09/21	REVISED CD's	RC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

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PETER LICHOMSKI
 ARCHITECT
 No. 1301043776

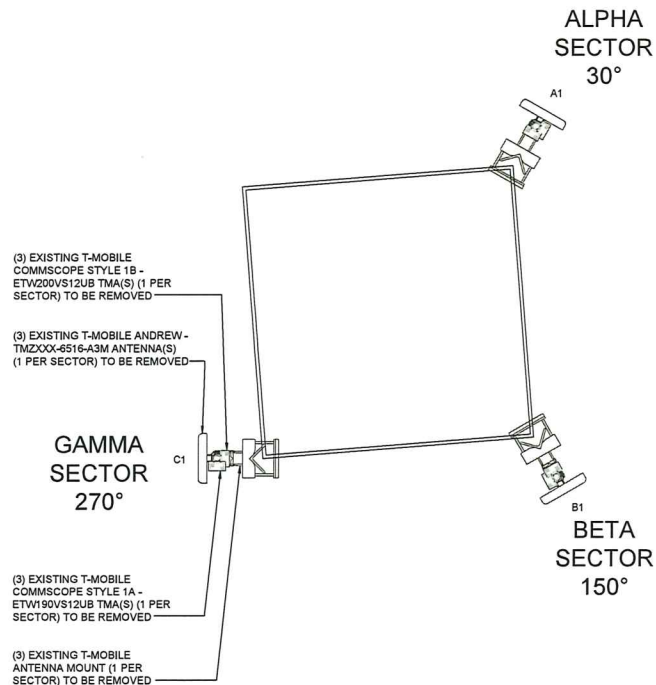
JAMES F. ENGLISH
 ENGINEER
 No. 6201064584

SITE #: DE03147A
 SITE NAME:
 ITC TOWER # 13813
 SITE ADDRESS:
 2725 MAYER RD
 SAINT CLAIR, MICHIGAN 48079

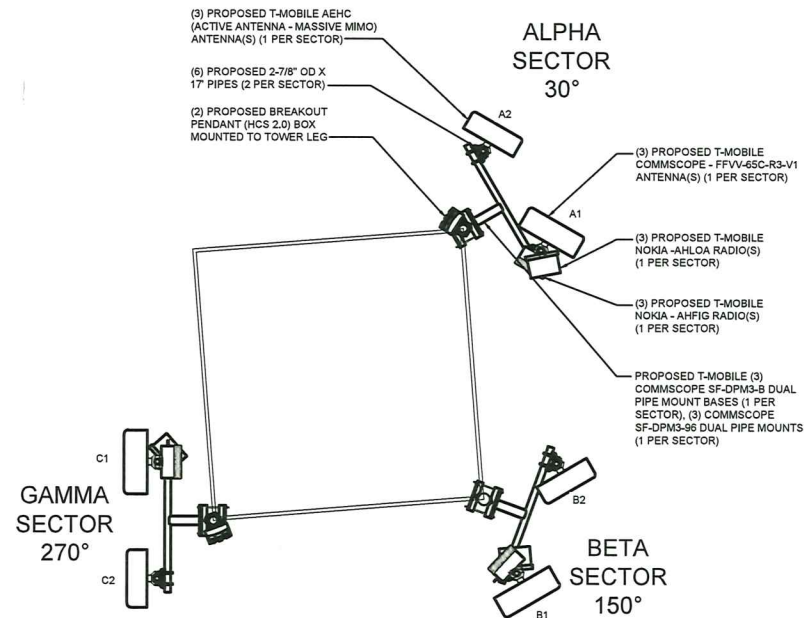
Sheet Title:
ANTENNA LAYOUT

Sheet Number:
C-3

GENERAL CONTRACTOR TO CHECK WITH T-MOBILE BEFORE CONSTRUCTION STARTS TO VERIFY THAT THE RFDS IS CORRECT.

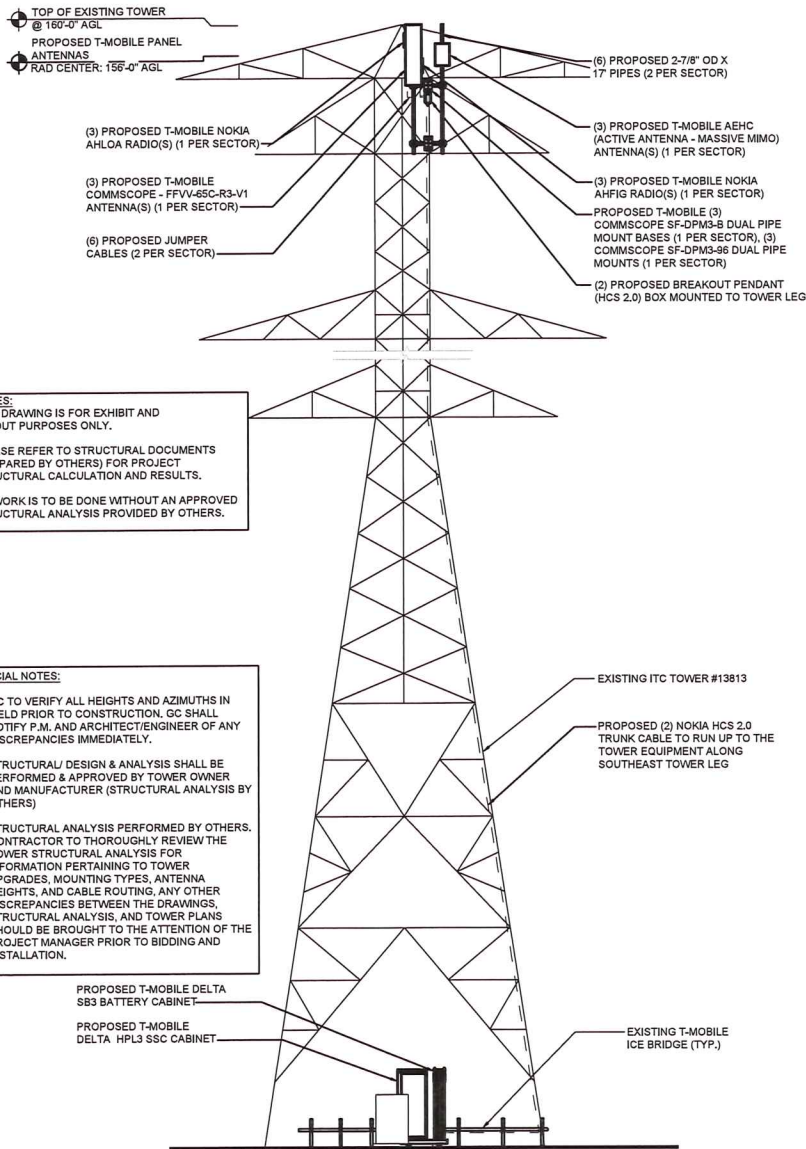


EXISTING ANTENNA LAYOUT 1/2" = 1' 1



NOTE: ALL ANTENNA CENTERLINES MUST BE POSITIONED WITHIN ±6 INCHES OF THE HORIZONTAL CENTERLINE OF THE STEEL ANTENNA PLATFORM AND/OR SECTOR FRAME.

PROPOSED ANTENNA LAYOUT 1/2" = 1' 2



NOTES:
THIS DRAWING IS FOR EXHIBIT AND LAYOUT PURPOSES ONLY.

PLEASE REFER TO STRUCTURAL DOCUMENTS (PREPARED BY OTHERS) FOR PROJECT STRUCTURAL CALCULATION AND RESULTS.

NO WORK IS TO BE DONE WITHOUT AN APPROVED STRUCTURAL ANALYSIS PROVIDED BY OTHERS.

SPECIAL NOTES:
1. GC TO VERIFY ALL HEIGHTS AND AZIMUTHS IN FIELD PRIOR TO CONSTRUCTION. GC SHALL NOTIFY P.M. AND ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
2. STRUCTURAL DESIGN & ANALYSIS SHALL BE PERFORMED & APPROVED BY TOWER OWNER AND MANUFACTURER (STRUCTURAL ANALYSIS BY OTHERS)
3. STRUCTURAL ANALYSIS PERFORMED BY OTHERS. CONTRACTOR TO THOROUGHLY REVIEW THE TOWER STRUCTURAL ANALYSIS FOR INFORMATION PERTAINING TO TOWER UPGRADES, MOUNTING TYPES, ANTENNA HEIGHTS, AND CABLE ROUTING. ANY OTHER DISCREPANCIES BETWEEN THE DRAWINGS, STRUCTURAL ANALYSIS, AND TOWER PLANS SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO BIDDING AND INSTALLATION.

APURTENANCE LIST

- TO REMAIN**
- (1) NOKIA FSMF RADIO(S) (@ SSC CABINET- RELOCATED FROM FCOA)
 - (1) CIENA BOX
 - (1) POWER DISCONNECT
 - (1) METER
 - (1) OFDT BOX
 - (1) GPS ANTENNA
 - (1) POSTTRON CABINET ON CONCRETE PAD
 - (1) EQUIPMENT RACK
 - (1) ICE BRIDGE
 - (1) PLINTH
 - (1) RET CABLE

TO BE REMOVED

- (1) SSC CABINET (@ PLINTH)
- (1) FCOA CABINET (@PLINTH)
- (1) NOKIA FSMF RADIO (@FCOA CABINET)
- (1) NOKIA ISMB RADIO(S) (@FCOA CABINET)
- (1) NOKIA FXFC RADIO(S) (@FCOA CABINET)
- (2) NOKIA FRFA RADIO(S) (@ FCOA CABINET)
- (2) NOKIA FRFE RADIO(S) (@FCOA CABINET)
- (8) CH8726-01 COMMSCOPE DIPLEXER (@H-FRAME)
- (1) TWIN STYLE 14 ETW100V10JUS COMMSCOPE TMA@ (TOWER TOP)
- (2) TWIN STYLE 16 ETW200V10JUS COMMSCOPE TMA@ (TOWER TOP)
- (2) ANDREW TMD200-5516-AS3M ANTENNA(S)
- (2) ANTENNA MOUNT
- (12) 1-5/8" LDF7-50A COAX CABLES

TO BE INSTALLED

- (1) DELTA SB3 BATTERY CABINET (@ PLINTH)
- (1) DELTA HPL3 SSC CABINET (@ PLINTH)
- (2) HCS 2.0 TOWER JUNCTION BOX (@H-FRAME)
- (1) VOLTAGE BOOSTER POWERPLUS W/ 2 AMPLIFIER (@ SITE SUPPORT CABINET)
- (1) EXTRA AMPLIFIER FOR POWERPLUS VOLTAGE BOOSTER (@ SITE SUPPORT CABINET)
- (2) NOKIA HCS 2.0 TRUNK
- (8) JUMPER CABLE
- (2) NOKIA AMIA SUBRACK (@ SITE SUPPORT CABINET)
- (2) NOKIA ASB RADIO(S) (@AMIA SUBRACK)
- (2) NOKIA ASIK RADIO(S) (@AMIA SUBRACK)
- (2) NOKIA ASIA RADIO(S) (@AMIA SUBRACK)
- (2) NOKIA ASIC (@AMIA SUBRACK)
- (4) NOKIA ASIL (@AMIA SUBRACK)
- (2) NOKIA AHFC RADIO(S) (@SECTOR FRAME)
- (2) NOKIA AHLOA RADIO(S) (@SECTOR FRAME)
- (2) BREAKOUT PENDANT HCS 2.0 BOX (@TOWER LEG)
- (2) COMMSCOPE FFVW-65C-R3-V1 ANTENNA(S)
- (2) AHC (ACTIVE ANTENNA - MASSIVE MIMO) ANTENNA(S)
- (2) COMMSCOPE SF-DPM3-8 DUAL PIPE MOUNT BASES (@TOWER TOP)
- (2) COMMSCOPE SF-DPM3-46 DUAL PIPE MOUNTS (@TOWER TOP)
- (2) 2-7/8" OD X 17' MOUNT PIPES

NOTE: ALL ANTENNA CENTERLINES MUST BE POSITIONED WITHIN ±6 INCHES OF THE HORIZONTAL CENTERLINE OF THE STEEL ANTENNA PLATFORM AND/OR SECTOR FRAME.

SECTORIZED COLOR IDENTIFICATION	
SECTOR A	RED
SECTOR B	GREEN
SECTOR C	BLUE
SECTOR D	YELLOW
SECTOR E	WHITE
SECTOR F	PURPLE
LMU	BROWN
FIBER ID	GRAY
UNUSED COAX	PINK
MICROWAVE	ORANGE
PWE T-1's	ID w/LABBE MAKER

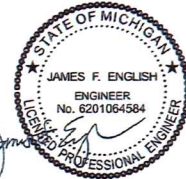
GENERAL CONTRACTOR TO CHECK WITH T-MOBILE BEFORE CONSTRUCTION STARTS TO VERIFY THAT THE RFDS IS CORRECT.

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LIVONIA, MICHIGAN 48150
Phone: (734) 367-7200
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CONTACT: KEN KALCUSEK
(734) 444-0181

LAB PROJECT NUMBER			
REV.	DATE	DESCRIPTION	BY
A	09/25/20	PRELIMINARY CD's	RC
B	01/06/21	REVISED CD's	RC
C	02/09/21	REVISED CD's	RC
D	02/09/21	REVISED CD's	HC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

NOTE: THESE DRAWINGS ARE TO SCALE WHEN PLOTTED ON 11"x17" SHEETS. REFER TO GRAPHIC SCALES ON REPRODUCTIONS.



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SITE NAME: ITC TOWER # 13813

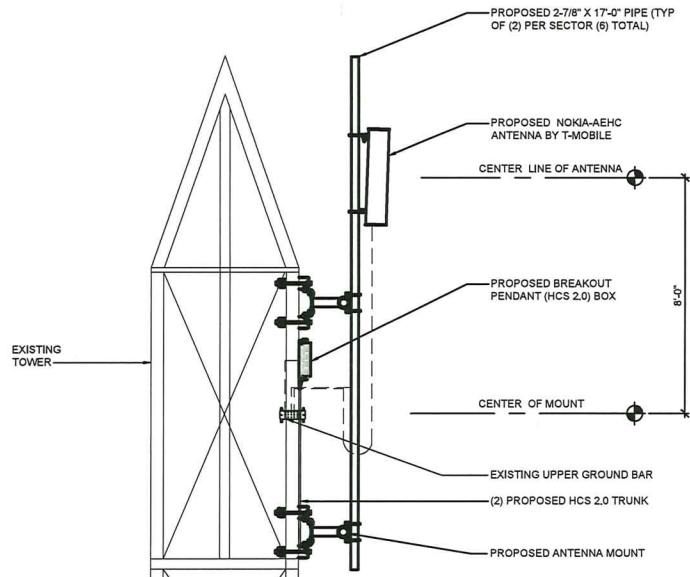
SITE ADDRESS: 2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title: ELEVATION VIEW

Sheet Number: C-4

ELEVATION VIEW 1/8" = 1' 1

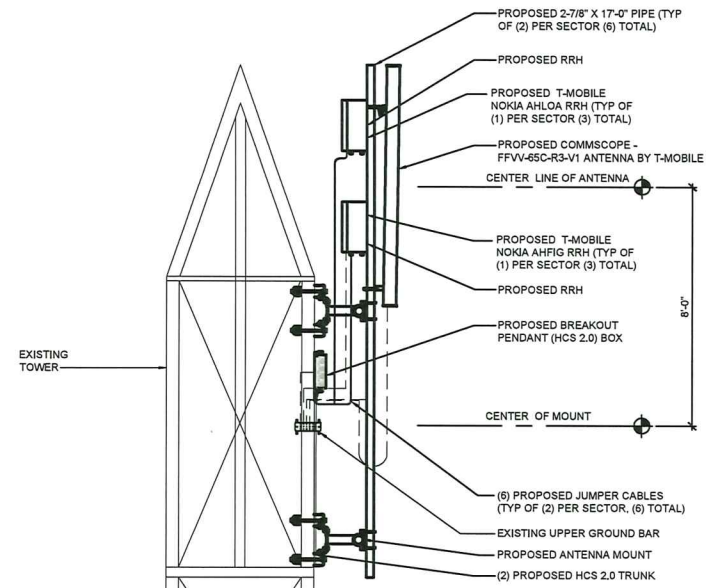
APURTENANCE LIST N.T.S 2



AEHC ANTENNA MOUNTING DETAIL

1/2" = 1'

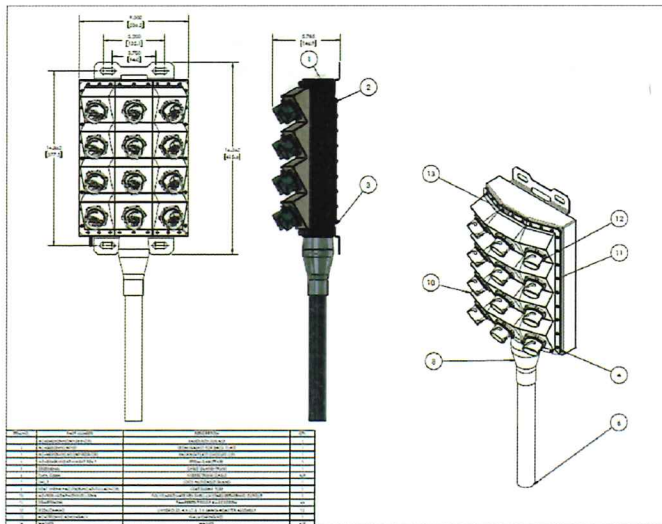
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FFV-65C-R3-V1 ANTENNA MOUNTING DETAIL

1/2" = 1'

2



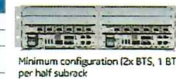
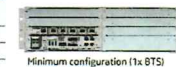
BREAKOUT PENDANT (HCS2.0) MANUFACTURER DETAIL - FOR REFERENCE ONLY

N.T.S

3

Nokia AirScale SM Indoor Technical Datasheet

AirScale SM indoor generation 2 systems	
Capacity	Per Capacity plug-in unit in LTE16A: 8 LTE cells (FDD)
Multi-RAT capable platform	
Minimum configuration	1 Common PIU (transport and control), 1 Capacity PIU (baseband processing)
Maximum configuration	2 Common PIU, 6 Capacity PIU
Installation options	19 inch standard rack, pole and wall (with mounting plinth), indoor Outdoor Enclosure
AirScale SM indoor mechanical specifications	
Dimensions	(3U) H 128 mm x W 447 mm x D 400 mm
Installation Depth	400mm + cooling air space 50mm
Weight	Minimum (Common PIU + Capacity PIU): 10.1kg Maximum (2 Common PIU + 6 Capacity PIU): 23.5kg
Ingress protection	IP20
Operational Temperature Range	-5°C to 55°C
AirScale SM indoor electrical specifications	
Supply Voltage / Voltage Range	Nominal: +48V DC / +40.5V to +57V
Power consumption	1 Common PIU & 1 Capacity PIU: typ 710W 1 Common PIU & 3 Capacity PIU: typ +120W 2 Common PIU & 6 Capacity PIU: typ 840W



One logical BTS in full subrack (Picture released)

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AMIA MANUFACTURER DETAIL - FOR REFERENCE ONLY

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4

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(734) 444-0181

LAB PROJECT NUMBER			
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D	02/05/21	REVISED CD's	HC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

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SITE #: DE03147A

SITE NAME: ITC TOWER # 13813

SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title:

EQUIPMENT DETAILS

Sheet Number:

C-5

FFVV-65C-R3-V1

B-port sector antenna, 1/4 617-694 and 1/4 1695-2690 MHz, 65" HPBW, 3d RET



General Specifications

Antenna Type	Sector
Band	Multi-Band
Color	Light Gray
Effective Projective Area (EPA), Frontal	0.79 m ² 10.05 ft ²
Effective Projective Area (EPA), Lateral	0.19 m ² 2.62 ft ²
Grounding Type	If connected line conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor design
Radiation Material	Flangeless, LV materials
Radiation Material	Low Noise Coated Steel
Reflector Material	Aluminum
RF Connector Interface	4.5-10 Female
RF Connector Location	90mm
RF Connector Quantity, high band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8
Remote Electrical Tilt (RET) Information, General	
RET Interface	8-pin D-sub female 8-pin DIN male
RET interface, quantity	1 female 1 male
Dimensions	
Width	648 mm 25.117 in
Length	1487 mm 58.545 in
Depth	235 mm 9.252 in



AEHC AirScale MAA 64T64R 192AE n41 240W

Preliminary Technical datasheet

Specifications	3GPP-RCC compliant TDD
Frequency range	2400 - 2600 MHz
Max. supported modulation	256 QAM
Number of TQ/EK paths	64T / 64R
IMAC elements	16
Instantaneous bandwidth BW	15.4 MHz
Occupied bandwidth BW	15.4 MHz
Total average ERP	73.3 dBm
Max. output power per TRX	3.75 W / 79.3 (240 W total)
Antenna configuration	12 (2x4) 6 (2x4) 2 (x4) 1 (x4) 1 (x4) 1 (x4)
Max. Antenna gain	23.5 dBi
Horizontal beamwidth	15° (downright)
Vertical beamwidth	6° (downright)
Horizontal coverage angle	+45° - 0 dB; +60° - 5 dB
Vertical steering angle	+6°
Dimensions	780x500 mm (H) x 580 mm (W) x 210 mm (D)
Volume / Windward area	780x410 L / 4.0 m ²
Weight	+45kg (without mounting brackets)
Supply voltage / Connector type	DC +40.5 V ~ -47 V / 2 pin connector
Power consumption	300 W typical (75% DUTY cycle, 100% RF load) 1000 W max (75% DUTY cycle, 100% RF load)

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Optical ports	4 x SFP28 10/30G (QSFP) (in RJ-45)
Other interfaces / Connector type	Control +5G RF monitor port (3.5mm female) Serial ports (RJ-45) Status LED
Operational temperature range	-40 °C ~ +55 °C
Cooling	Natural convection cooling
Ingress protection class	IP55
Installation options	Pole / Wall x 2" vertical adjustment
Surge protection	Class II SPD kit

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A	09/25/20	PRELIMINARY CDs	RC
B	01/05/21	REVISED CDs	RC
C	02/03/21	REVISED CDs	RC
D	02/03/21	REVISED CDs	HC
E	03/04/21	REVISED CDs	RC
F	03/23/21	REVISED CDs	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

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SITE #: DE03147A
SITE NAME:
ITC TOWER # 13813

SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title:

EQUIPMENT DETAILS

Sheet Number:

C-6

ANTENNA (COMMSCOPE-FFVV-65C-R3-V1) MANUF DETAIL - FOR REFERENCE ONLY

N.T.S

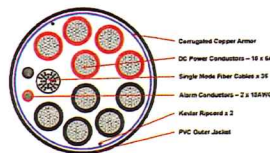
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ANTENNA (NOKIA-AEHC) MANUFACTURER DETAIL - FOR REFERENCE ONLY

N.T.S

2

NSN Armored Trunk Hybrid Cable - High Capacity ASU9325TYP01



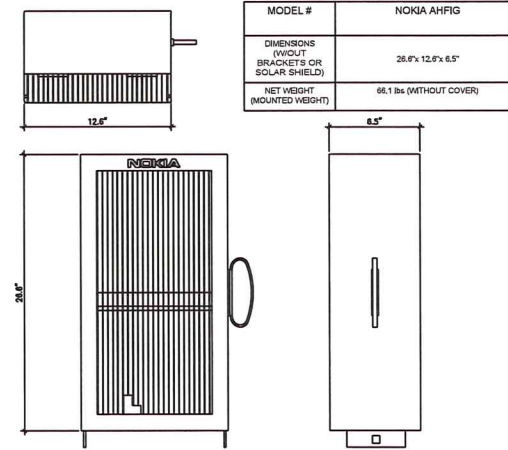
CABLE DESCRIPTION - ASU9325TYP01	
DC Conductor Number (Core Wires)	12 x 48 AWG (6 core 6 x 48 AWG)
DC Conductor Insulation (VOLTAGE)	2 x 48 AWG (6 core 6 x 48 AWG)
Conductor	60
Shield Jacket	60
Conductor Jacket	60
Overall Dimensions	0.0020 (0.0020) 0.0020
Weight	0.0020
Max. Temp (°C)	100
Power Standards	IEC 60332-2-20 Type B1.3 & Type B1
Max. Temperature, 1000 mm	100
UL Rating	UL1777-1000
Shield Jacket	1.68 mm
Conductor	1.68 mm
Overall Dimensions	1.68 mm
Weight	0.0020
Max. Temp (°C)	100
Operating Temperature Range	-40C to +100C

Dimension in mm (inches) to nearest 0.001 (0.0005) unless otherwise specified.
Date: 01/05/21

Item	Description	Quantity	Unit
1	DC Conductor (Core Wires)	12	Core Wires
2	DC Conductor Insulation (VOLTAGE)	2	Core Wires
3	Conductor	60	
4	Shield Jacket	60	
5	Conductor Jacket	60	
6	Overall Dimensions	0.0020 (0.0020) 0.0020	
7	Weight	0.0020	
8	Max. Temp (°C)	100	
9	Power Standards	IEC 60332-2-20 Type B1.3 & Type B1	
10	Max. Temperature, 1000 mm	100	
11	UL Rating	UL1777-1000	
12	Shield Jacket	1.68 mm	
13	Conductor	1.68 mm	
14	Overall Dimensions	1.68 mm	
15	Weight	0.0020	
16	Max. Temp (°C)	100	
17	Operating Temperature Range	-40C to +100C	



NOTE: CABLE CROSS-SECTION NOT DRAWN TO SCALE.



MODEL #	NOKIA AHFIG
DIMENSIONS (WITHOUT BRACKETS OR SOLAR SHIELD)	28.6" x 12.6" x 6.5"
NET WEIGHT (MOUNTED WEIGHT)	66.1 lbs (WITHOUT COVER)

HIGH CAPACITY ASU9325TYP01 SPEC - FOR REFERENCE ONLY

N.T.S

3

RRH (NOKIA - AHFIG) MANUFACTURER DETAIL - FOR REFERENCE ONLY

N.T.S

4

AirScale Dual RRH 4T4R B12/71 240W AHLOA (Draft)



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Product Code: 474331A	
Supported Frequency bands	3GPP Band 12/71
Frequencies	Band 12 adjusted: Rx 698 - 715 MHz, TX 728 - 745 MHz Band 71: Rx 662 MHz - 698 MHz, TX 617 MHz - 652 MHz
Number of TX/RX paths/pipes	4 pipes; 2TxR, 2TxR, 4TxR for both bands
Instantaneous Bandwidth IBW	16 MHz for B12 and 35MHz for B71 1 MHz below B12 NB IoT future use
Occupied Bandwidth OBW	52 MHz total across bands
Output Power	60W per TX shared between bands
Supply Voltage / Range	DC-48 V / -56 V to -60 V
Typical Power Consumption	(64W (ETD) Busy Hour Load at 4Tx@60W (80W Bands Active)) (39W (ETD) Busy Hour Load at 4Tx@80W (One Band Active))
Antenna Ports	4 ports, 4 S-10+
Optical Ports	2 x CPRI 9.8 Gbps
ALD Control Interfaces	AT963 0 from ANT1; 2, 3, 4 and RET (DC on ANT1 & ANT3)
Other Interfaces	External Alarm MDR-26 Serial connector (4 inputs, 1 Output) DC Circular Power Connector
Physical	500 mm x 306 mm x 189 mm Approximately 38kg with no covers or brackets
Operating Temperature Range	-40°C to 55°C (with no solar load)
Surge Protection	Class II SA
Installation Options	Vertical & Horizontal Rack Mount, Pole & Wall Mount

NOKIA

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(734) 444-0181

LAB PROJECT NUMBER			
REV.	DATE	DESCRIPTION	BY
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F	03/23/21	REVISED CD	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

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PETER LICHOMSKI
ARCHITECT
No. 1301043776

JAMES F. ENGLISH
ENGINEER
No. 6201064584
PROFESSIONAL ENGINEER

SITE #: DE03147A
SITE NAME:
ITC TOWER # 13813
SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title:
EQUIPMENT DETAILS

Sheet Number:
C-7

RRH (NOKIA - AHLOA) MANUFACTURER DETAIL - FOR REFERENCE ONLY N.T.S

1 NOT USED

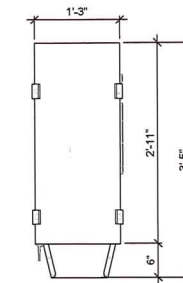
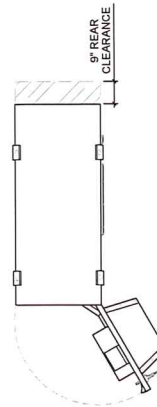
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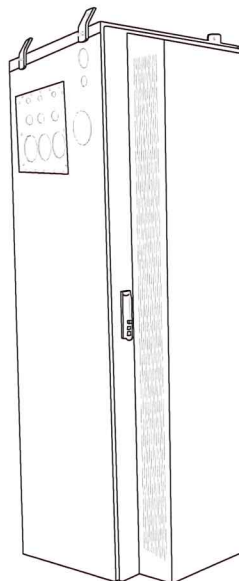
N.T.S 3

MANUFACTURER: DELTA
 MODEL: 883 BATTERY SUPPORT
 CABINET
 WEIGHT: 310 LBS (WITHOUT
 EQUIPMENT)
 DIMENSIONS: 15.0"x35.0"x72.0"

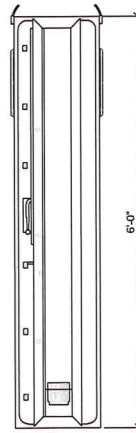
- NOTE:
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH
 - CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING



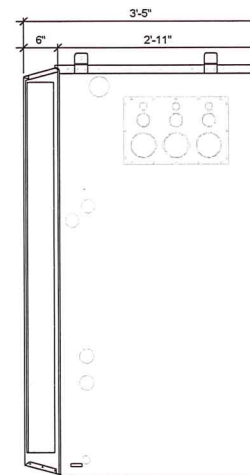
PLAN VIEW



ISO VIEW



FRONT VIEW



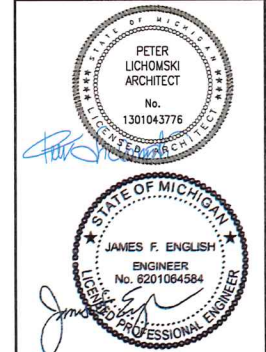
SIDE VIEW

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2020 ANCHOR CONSTRUCTION DRAWINGS

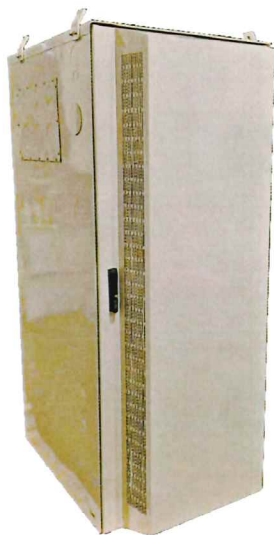
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Sheet Title:
EQUIPMENT DETAILS

Sheet Number:
C-8



HP-Large 3 Power Cabinet

Product Features

Compact design for equipment, power and battery:

- 30RU supports 3 radios and transport equipment
- 600A @ -48V power system
- Slimline high efficiency rectifier
- ORION Touch screen Controller
- Rear Access Hatch

Direct air cooling solution, 6000W capacity, 5°C delta T
Easy slide-in filter replacement for Merv-13 or Gore
filter connects with:

- SB3, 2-string battery cabinet
 - LB3, 4-string battery cabinet
 - V2, Expansion equipment and battery cabinet
- Designed to GR-487 specifications

www.deltaww.com



Specifications

Model	HP-Large 3 Power Cabinet
1. General	
Construction	Aluminum enclosure
Dimensions (W x H x D)	30 x 72 x 36 in. (762 x 1829 x 914mm), Depth with door: 43 in. (1092mm)
Weight	~551 lbs. (~250kg) (without customer equipment or batteries)
Internal rack dimension	Total Equipment space, 30RU: Horizontal rack: 19" x 27RU Vertical rack: 19" x 3RU Power System space: 23" x 12RU
Mounting options	Pad-mount, plinth option
Finish	Polyester Powder Paint (Tan)
Safety	UL Listed, IEC/EN60950
2. Environment	
Operating temperature	-40°C to +50°C (-40°F to +122°F) with solar load, IP55
Protection class	designed to GR-487
Acoustics	5°C delta T: 70 dBA @ 6000W, 65dBA @ 5000W heat load
Humidity (relative)	95% non-condensing (Max.)
3. Thermal management	
Cooling Equipment:	Direct Air Cooling, 6000W capacity, 5°C delta T (6) centrifugal redundant fans (3) Merv-13 or optional GORE filters front door (3) Merv-13 filters Rear Hatch
Heating Equipment:	Forced air heating (2) 1000W AC heaters
4. Equipment	
Cable Entry	Knock-out plate on each upper side wall Additional knockouts each side (1) 3" conduit hole with hole plug
Door latch	3 point latching, 5/16 nut driver tool, pad-locking capability
Primary ground	10 double-hole 5/8-20 threaded holes on 5/8" center ground bar
Lifting Ears	4 Lifting Tabs
Standard equipment	AC Load Center: 240V split phase, dual feed / (1) 200A + (1) 100A 208V 3-phase, single feed / (1) 200A AC Surge Protection for each breaker feed GFCI Receptacle 120V (6) form-C Alarm Termination block (1) Thermal Probe 605A/ 54V (300W) redundant Power System with DIN rail distribution: 12 rectifier positions (3x 55A DFR3000 rectifiers included) 52 poles for load (2x 10A, 3x 20A, and 6x 100A load breakers included) 16 poles for battery (2) SB350 generator connector LVD over-voltage switch (2) SB175 Battery connections (2) GB350 Battery connections Front Door: (6) DC powered centrifugal fans with (3) MERV-13 filters, (GORE option) Clogged Filter alarm pressure switch Door intrusion alarm (2) 1000W AC powered heaters LED interior cabinet light Rear Hatch: Exhaust vent with (3) MERV-13 filters
5. Ordering Information	
Cabinet	ESQA800-HCU01 HP-Large 3 600A Power / Equipment Cabinet
Rectifier	ESR-48/60A-A-T 48V / 56A 3000W, 96.4% CAN communication
Controller (Spare)	TPS1020028AU17 Orion TOUCH Controller
Plinth, 6"	37963318816500-S Plinth for V LV2, HPL2, HPL3, LB3 and LB5 cabinets

Delta Group Website:
www.deltaww.com

Product Website:
www.deltapowersolutions.com

United States of America & Canada:
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DEUSTPS.Support@deltaww.com

Installation Services:
DEUSTPS.Services@deltaww.com

RMA:
DEUSTPS.RMA@deltaww.com



Front Door and Rear Hatch Open

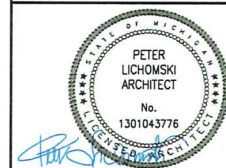
*All specifications are subject to change without prior notice.

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REV.	DATE	DESCRIPTION	BY
A	09/25/20	PRELIMINARY CD's	RC
B	01/06/21	REVISED CD's	RC
C	02/03/21	REVISED CD's	RC
D	02/05/21	REVISED CD's	HC
E	03/04/21	REVISED CD's	RC
F	03/23/21	REVISED CD's	RC

2020 ANCHOR CONSTRUCTION DRAWINGS

NOTE: THESE DRAWINGS ARE TO SCALE
WHEN PLOTTED ON 11x17" SHEETS. REFER
TO GRAPHIC SCALES ON REPRODUCTIONS.



SITE #: DE03147A

SITE NAME:
ITC TOWER # 13813

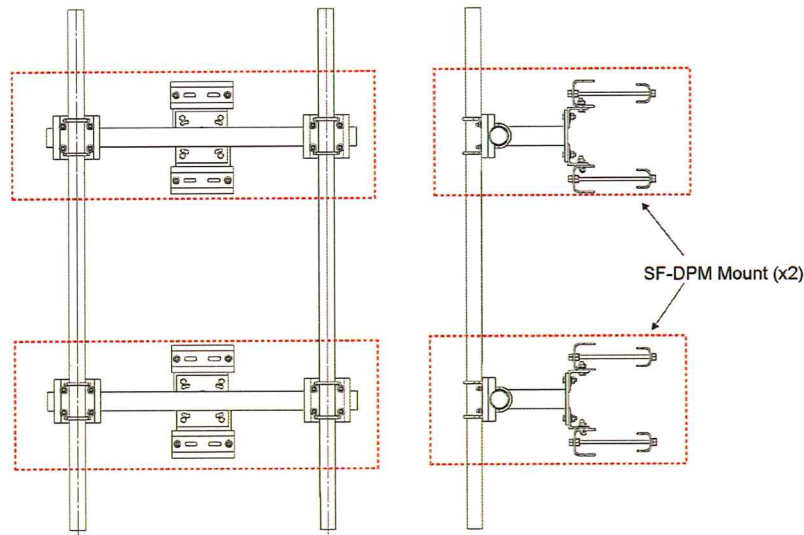
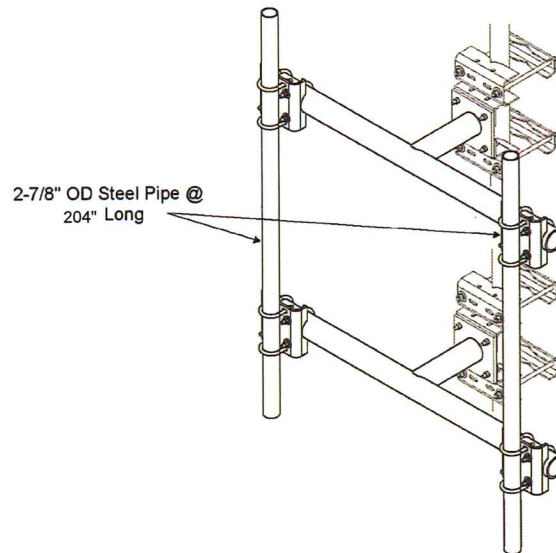
SITE ADDRESS:
2725 MAYER RD
SAINT CLAIR, MICHIGAN 48079

Sheet Title:

EQUIPMENT DETAILS

Sheet Number:

C-9



ANTENNA MOUNTING T-FRAME MANUFACTURER DETAIL - FOR REFERENCE ONLY N.T.S

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LAB PROJECT NUMBER			
REV.	DATE	DESCRIPTION	BY
A	09/25/20	PRELIMINARY CDs	RC
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2020 ANCHOR CONSTRUCTION DRAWINGS

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SITE #: DE03147A
 SITE NAME:
 ITC TOWER # 13813

SITE ADDRESS:
 2725 MAYER RD
 SAINT CLAIR, MICHIGAN 48079

Sheet Title:
**ANTENNA
MOUNTING DETAIL**

Sheet Number:
C-10

SECTION 106 CONSULTATION

ADDITIONAL SITE INFORMATION

Project Name	DE03147A/Anchor
Project Address	Mayer Rd. approximately 0.45 miles north of Fred W. Moore Highway, Saint Clair, Saint Clair County, MI 48079
Topographic Map	Rattle Run, USGS 7.5-Minute Topographic Map
Project Coordinates	Latitude: 42° 49' 13.3" N; Longitude: 82° 36' 52.7" W UTM Coordinates: Zone: 17, Easting: 368009, Northing: 4742131
Project Description	Proposed upgrade of an existing telecommunications facility atop a utility transmission tower. Proposed work on the tower will remove three antennas, six TMAs, and three antenna mounts and install six antennas, six radios, two breakout boxes and three mounts. Within the ground-level equipment area, work will remove one SSC, FCOA cabinet, 12 coax cables and six diplexers and install one SSC cabinet (with modules, amplifier, and voltage booster), one battery cabinet, two junction boxes, and two trunk cables.
Access Road Description	Access via existing driveway off Mayer Rd.
Utility Lines Description	Route to nearest power/telco on site.
Additional Construction Plans / Impacts	None.
Impact Statement	No ground disturbance.
Present Land Use	Existing utility tower constructed circa 1980.