T-MOBILE PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY

- REMOVE (3) EXISTING PANEL ANTENNAS
- REMOVE (6) EXISTING TMA'S
- REMOVE (6) EXISTING DI-PLEXER'S
- INSTALL (3) NEW PANEL ANTENNAS
- INSTALL (3) NEW TMA'S
- INSTALL (3) NEW DI-PLEXER'S
- INSTALL (3) FRBG AT GRADE LEVEL
- NO AC ELECTRIC WORK, ALL DC ELECTRIC WORK UNDER 50V

SCOPE OF WORK

T-Mobile

T-MOBILE SITE NUMBER:

A6C0801C

SITE NAME:

LAMB CRNRS / BAPTIST CH. RT

STEEPLE SITE

T-Mobile

6200 OAK TREE BLVD.
SUITE 125
INDEPENDENCE, OH 44131
OFFICE: (216) 525-6000
FAX: (216) 525-6120

HARPER ENGINEERING, INC.
TELECOM GROUP

815 Superior Ave. Suite 1514
Cleveland, OH. 44114

Phone: (216)344-3855
Fax: (216)344-3856

PROJECT TEAM

ENGINEER:

HARPER ENGINEERING, INC.
815 SUPERIOR AVE. SUITE 1514
CLEVELAND, OH. 44114
(216) 344-3855

CONTACT PERSON:

DAVID W. HARPER
(216) 344-3855

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

HANDICAP REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED

OTHER REQUIREMENTS

- FACILITY HAS NO PLUMBING OR PARKING
- NO GRADING WILL BE REQUIRED FOR THIS SITE.

SITE INFORMATION

FACILITY OCCUPANT:	T-MOBILE
LEASE AREA:	EXISTING
EQUIPMENT ENCLOSURE:	EXISTING
APPLICANT ID#:	A6C0801C
SITE ADDRESS:	7195 COFFMAN ROAD DUBLIN, OHIO 43017
GOVERNING CODE:	OBC 2011/IBC 2009
COUNTY:	FRANKLIN COUNTY
ZONING JURISDICTION:	CITY OF DUBLIN
APPLICANT:	T-MOBILE CENTRAL LLC 6200 OAK TREE BLVD. SUITE 125 INDEPENDENCE, OH 44131 KEITH MCCOMBS OFFICE: (216) 519-4361

APPROVALS

SITE ACQUISITION	DATE
ZONING MANAGER	DATE
CONSTRUCTION MANAGER	DATE
RF ENGINEER	DATE
FIELD INSPECTOR	DATE
OWNER	DATE

SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET	0
A-1	BUILDING ROOF PLAN	0
A-2	BUILDING ELEVATION	0
RF-1	ANTENNA LAYOUTS	0
RF-2	ANTENNA DETAILS & ANTEANNS DIAGRAM	0

DRAWING REVISIONS

Rev.	Description:	Date:	Mgr.
A	For Approval	08/31/16	MCM
0	For Construction	09/08/16	MCM

STATE OF OHIO
DAVID W. HARPER
53819
REGISTERED PROFESSIONAL ENGINEER
9-8-16

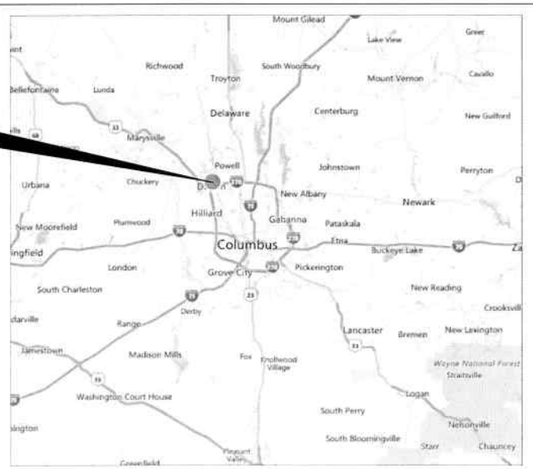
Engineer's Seal

AREA MAP

NO SCALE

NORTH

SITE

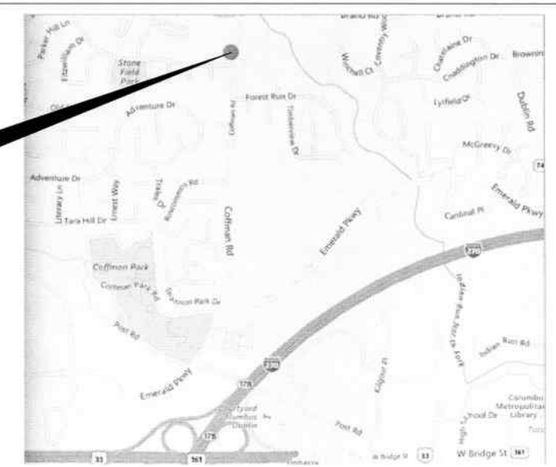


VICINITY MAP

NO SCALE

NORTH

SITE



TOWER COORDINATES	
LATITUDE:	N. 40° 6' 58.2006" N. 40.11616705°
LONGITUDE:	W. -83° 1' 56.3262" W. 83.13231310°

T-MOBILE
SITE NUMBER:
A6C0801C

LAMB CRNRS/
BAPTIST CH. RT

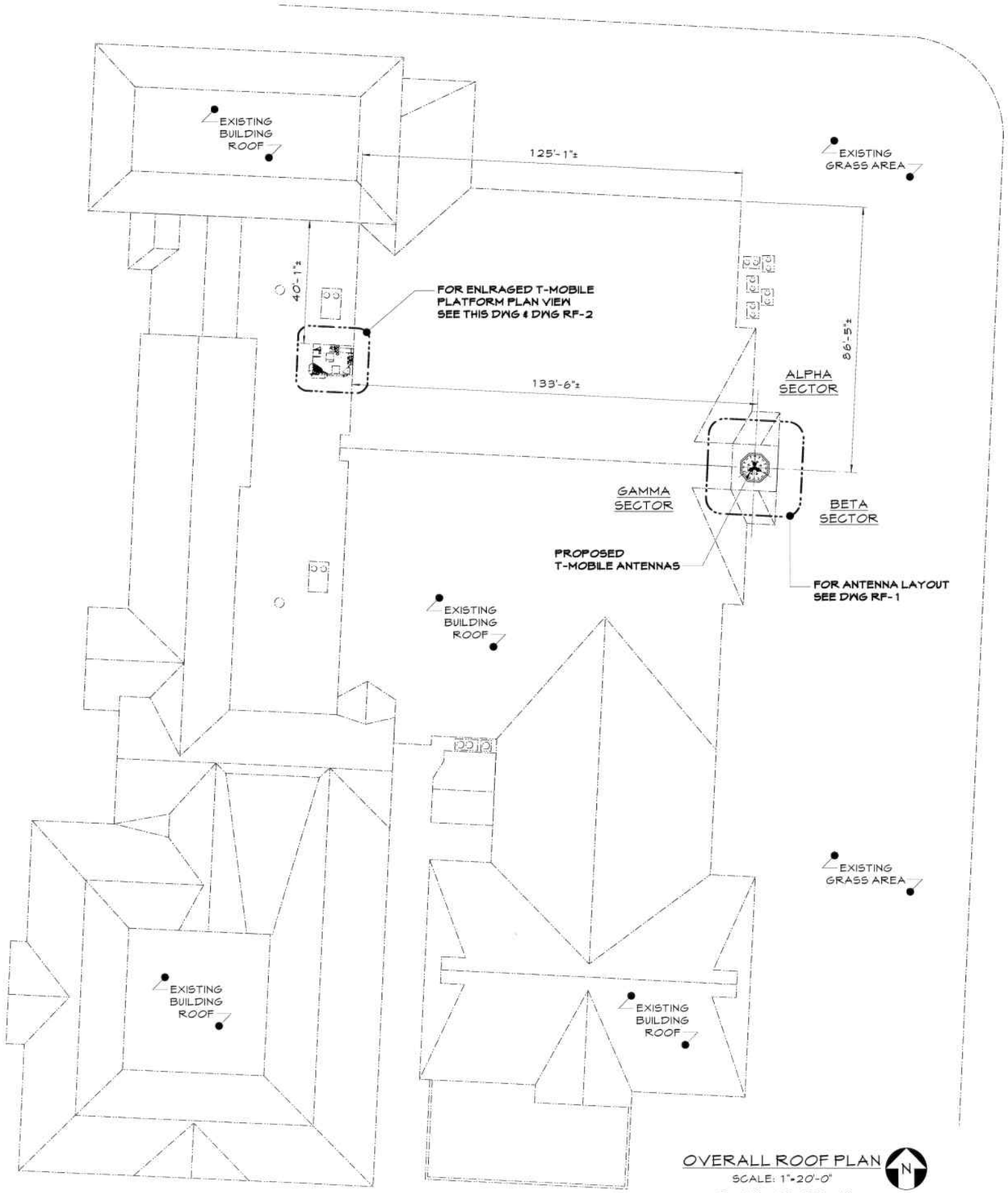
7195 COFFMAN ROAD
DUBLIN, OHIO 43017

SHEET NAME:

TITLE SHEET

SHEET No./Rev.: T-1/0

SCALE:	AS NOTED
DRAWN BY:	DA
CHECKED BY:	MCM
DATE:	08/02/16
FILE:	14-188-239

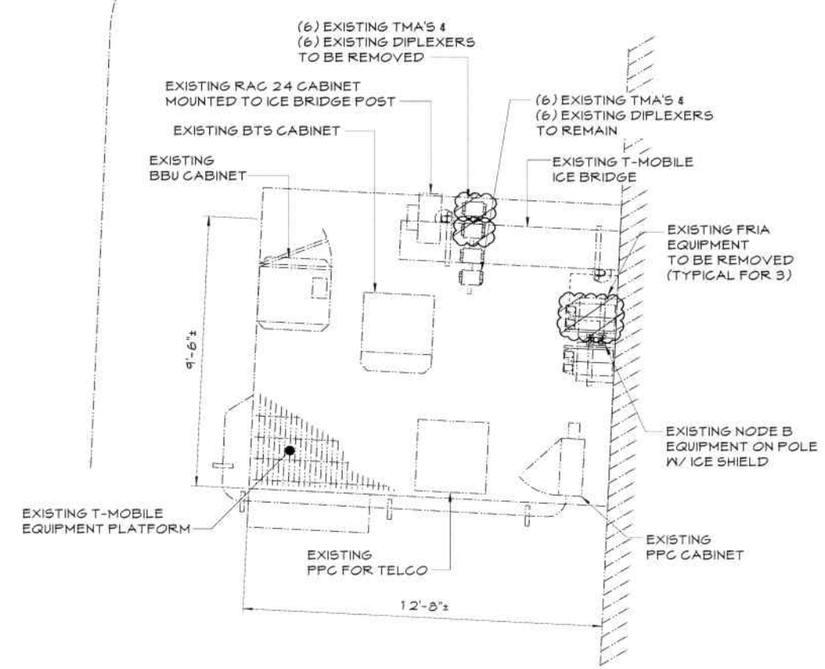


OVERALL ROOF PLAN

SCALE: 1"=20'-0"

0 10 20 30 40

NOTE:
DIAGRAMATIC ONLY,
ANTENNA SUPPORT PER
STRUCTURE MANUFACTURER
AND STRUCTURAL ANALYSIS.



ENLARGED EXISTING
PLATFORM EQUIPMENT PLAN

SCALE: 3/8"=1'-0"

0 1 2 3 4 5

T-Mobile

6200 OAK TREE BLVD.
SUITE 125
INDEPENDENCE, OH 44131
OFFICE: (216) 525-6000
FAX: (216) 525-6120

HARPER ENGINEERING, INC.
TELECOM GROUP

815 Superior Ave. Suite 1514
Cleveland, OH. 44114

Phone: (216)344-3855
Fax: (216)344-3856

DRAWING REVISIONS

Rev.	Description:	Date:	Mgr.
A	For Approval	08/31/16	MCM
0	For Construction	09/08/16	MCM

STATE OF OHIO
DAVID W. HARPER
53819
REGISTERED PROFESSIONAL ENGINEER

9-8-16

Engineer's Seal

T-MOBILE
SITE NUMBER:
A6C0801C

LAMB CRNRS/
BAPTIST CH. RT

7195 COFFMAN ROAD
DUBLIN, OHIO 43017

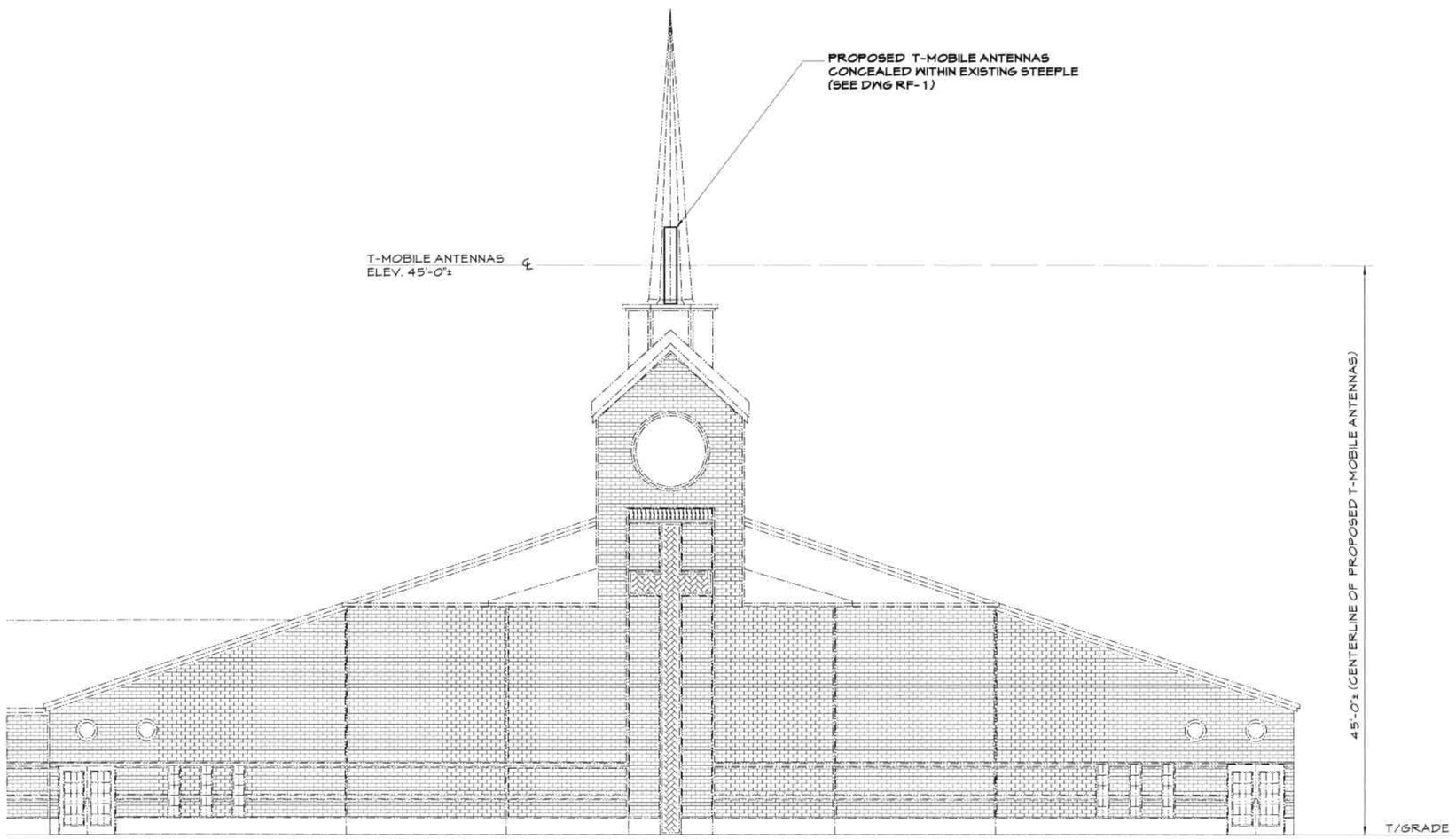
SHEET NAME:

BUILDING ROOF PLAN

SHEET No./Rev.: A-1/0

SCALE: AS NOTED
DRAWN BY: DA
CHECKED BY: MCM
DATE: 08/02/16
FILE: 14-188-239

NOTE:
DIAGRAMATIC ONLY.
ANTENNA SUPPORT PER
STRUCTURE MANUFACTURER
AND STRUCTURAL ANALYSIS.



ELEVATION A
SCALE: 3/16"=1'-0"
0 5 10

T-Mobile

6200 OAK TREE BLVD.
SUITE 125
INDEPENDENCE, OH 44131
OFFICE: (216) 525-6000
FAX: (216) 525-6120

HARPER ENGINEERING, INC.
TELECOM GROUP

815 Superior Ave. Suite 1514
Cleveland, OH. 44114

Phone: (216)344-3855
Fax: (216)344-3856

DRAWING REVISIONS

Rev.	Description:	Date:	Mgr.
A	For Approval	08/31/16	MGM
0	For Construction	09/08/16	MGM

STATE OF OHIO
DAVID W. HARPER
53819
REGISTERED PROFESSIONAL ENGINEER

Engineer's Seal 9-8-16

T-MOBILE
SITE NUMBER:
A6C0801C

LAMB CRNRS/
BAPTIST CH. RT

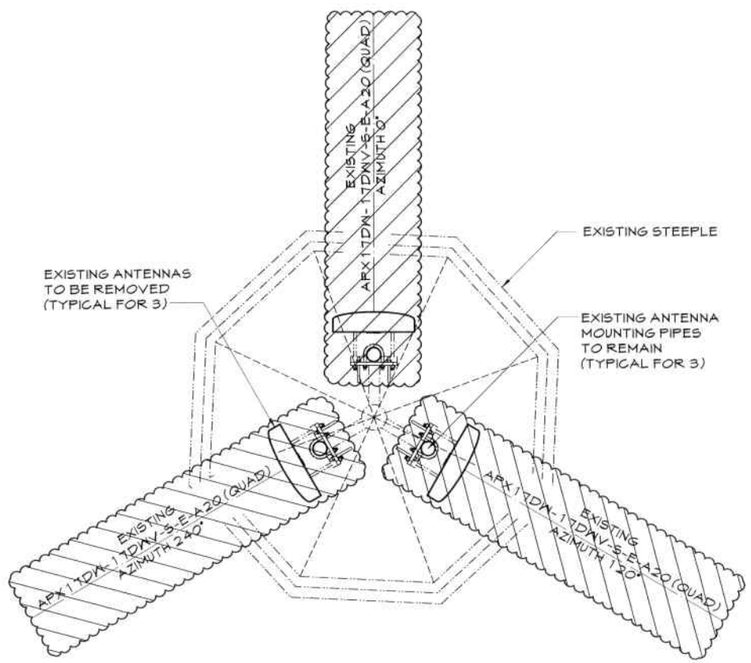
7195 COFFMAN ROAD
DUBLIN, OHIO 43017

SHEET NAME:

BUILDING ELEVATION

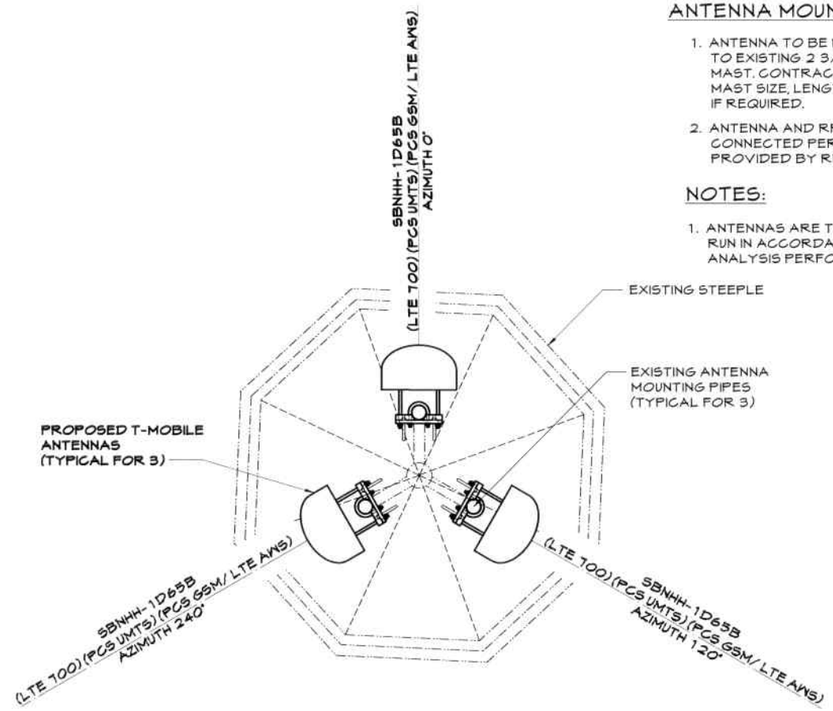
SHEET No./Rev.: A-2/0

SCALE: AS NOTED
DRAWN BY: DA
CHECKED BY: MGM
DATE: 08/02/16
FILE: 14-188-239



EXSITING ANTENNA
LAYOUT @ 45'-0"

SCALE: NONE



PROPOSED ANTENNA
LAYOUT @ 45'-0"

SCALE: NONE

ANTENNA REPLACEMENT NOTES:

1) CONTRACTOR TO INSPECT THE CONDITION OF EXISTING MOUNTING PIPES. CONFIRM THE FOLLOWING:
   - CORROSION; IF MOUNTS ARE FOUND TO BE CORRODED, CONTACT T-MOBILE REP. FOR DIRECTION.
   - CHECK CONDITION OF ATTACHMENT BOLTS. IF FOUND LOOSE, TIGHTEN TO ORIGINAL SPECIFICATIONS (AISC; TURN OF THE NUT METHOD).
   - IF BOLTS ARE MISSING, REPLACE TO SUITE.
   - CONFIRM MOUNTING PIPE IS ADEQUATELY SIZED TO ACCOMMODATE PROPOSED ANTENNA INSTALL.

2) ALL WORK DEPICTED ON THIS DRAWING DESIGNED IN ACCORDANCE WITH OBC 2011 AND AMENDMENTS.

ANTENNA MOUNTING NOTES:

1. ANTENNA TO BE MOUNTED TO EXISTING 2 3/8" O.D. SCH. 40 PIPE MAST. CONTRACTOR TO VERIFY PIPE MAST SIZE, LENGTH AND SCH. UPGRADE IF REQUIRED.
2. ANTENNA AND RRU CABLING TO BE CONNECTED PER RF DATA SHEET, PROVIDED BY RF ENGINEER.

NOTES:

1. ANTENNAS ARE TO BE MOUNTED AND CABLES RUN IN ACCORDANCE WITH STRUCTURAL ANALYSIS PERFORMED BY OTHERS.

T-Mobile

6200 OAK TREE BLVD.
SUITE 125
INDEPENDENCE, OH 44131
OFFICE: (216) 525-6000
FAX: (216) 525-6120

HARPER ENGINEERING, INC.
TELECOM GROUP

815 Superior Ave. Suite 1514
Cleveland, OH. 44114

Phone: (216)344-3855
Fax: (216)344-3856

DRAWING REVISIONS

Rev.	Description:	Date:	Mgr.
A	For Approval	08/31/16	MCM
0	For Construction	09/08/16	MCM

STATE OF OHIO
DAVID W. HARPER
53819
REGISTERED PROFESSIONAL ENGINEER
9-8-16

Engineer's Seal

T-MOBILE
SITE NUMBER:
A6C0801C

LAMB CRNRS/
BAPTIST CH. RT

7195 COFFMAN ROAD
DUBLIN, OHIO 43017

SHEET NAME:

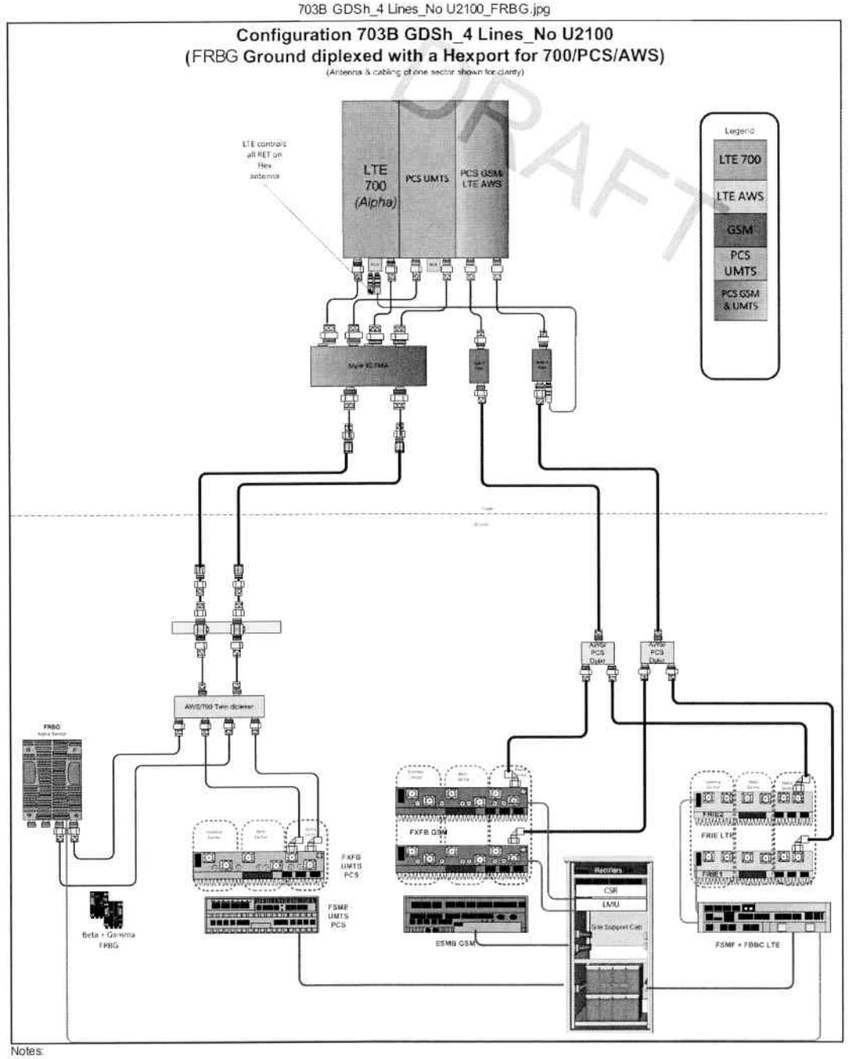
ANTENNA LAYOUTS

SHEET No./Rev.: RF-1/0

SCALE: AS NOTED
DRAWN BY: DA
CHECKED BY: MCM
DATE: 08/02/16
FILE: 14-188-239

Section 3 - Proposed Template Images

703B_GDSh_4 Lines_No U2100_FRBG.jpg



Notes:

ANTENNA REPLACEMENT NOTES:

1) CONTRACTOR TO INSPECT THE CONDITION OF EXISTING MOUNTING PIPES. CONFIRM THE FOLLOWING:
   - CORROSION; IF MOUNTS ARE FOUND TO BE CORRODED, CONTACT T-MOBILE REP. FOR DIRECTION.
   - CHECK CONDITION OF ATTACHMENT BOLTS. IF FOUND LOOSE, TIGHTEN TO ORIGINAL SPECIFICATIONS (AISC; TURN OF THE NUT METHOD).
   - IF BOLTS ARE MISSING, REPLACE TO SUITE.
   - CONFIRM MOUNTING PIPE IS ADEQUATELY SIZED TO ACCOMMODATE PROPOSED ANTENNA INSTALL.

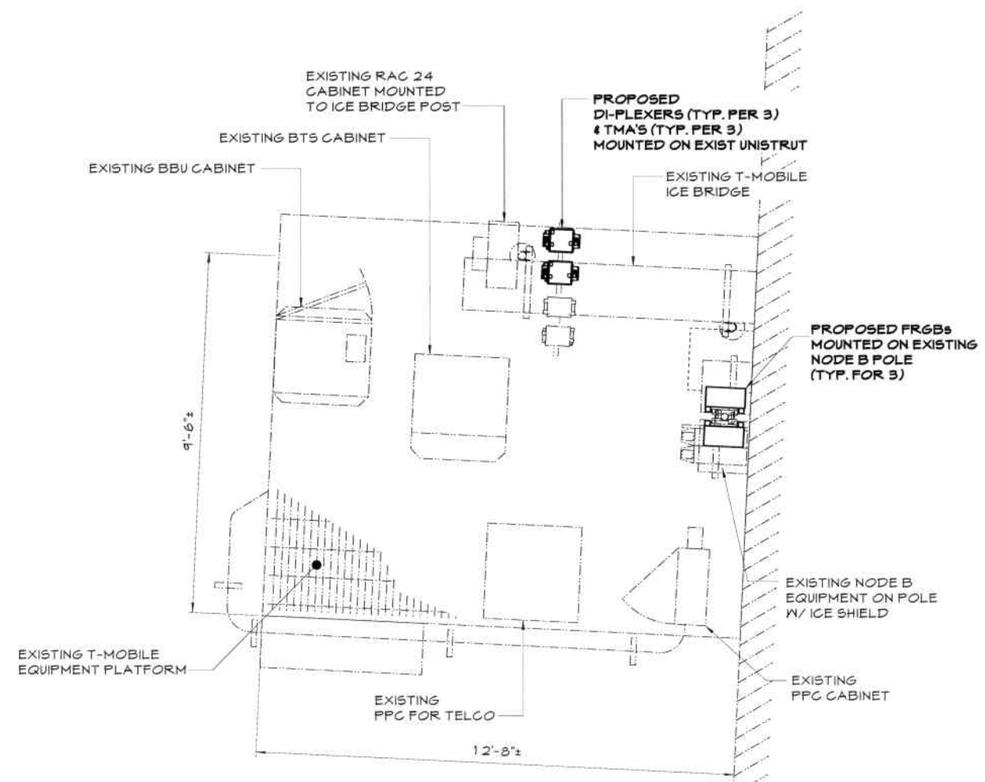
2) ALL WORK DEPICTED ON THIS DRAWING DESIGNED IN ACCORDANCE WITH OBC 2011 AND AMENDMENTS.

ANTENNA MOUNTING NOTES:

1. ANTENNA TO BE MOUNTED TO EXISTING 2 3/8" O.D. SCH. 40 PIPE MAST. CONTRACTOR TO VERIFY PIPE MAST SIZE, LENGTH AND SCH. UPGRADE IF REQUIRED.
2. ANTENNA AND RRU CABLING TO BE CONNECTED PER RF DATA SHEET, PROVIDED BY RF ENGINEER.

NOTES:

1. ANTENNAS ARE TO BE MOUNTED AND CABLES RUN IN ACCORDANCE WITH STRUCTURAL ANALYSIS PERFORMED BY OTHERS.



PROPOSED EQUIPMENT PLAN

SCALE: 1/2"=1'-0"

0 1 2 3

T-Mobile

6200 OAK TREE BLVD.
SUITE 125
INDEPENDENCE, OH 44131
OFFICE: (216) 525-6000
FAX: (216) 525-6120

HARPER ENGINEERING, INC.
TELECOM GROUP

815 Superior Ave. Suite 1514
Cleveland, OH. 44114

Phone: (216)344-3855
Fax: (216)344-3856

DRAWING REVISIONS

Rev.	Description:	Date:	Mgr.
A	For Approval	08/31/16	MCM
0	For Construction	09/08/16	MCM

STATE OF OHIO
DAVID W. HARPER
53819
REGISTERED PROFESSIONAL ENGINEER
9-8-16

Engineer's Seal

T-MOBILE
SITE NUMBER:
A6C0801C

LAMB CRNRS/
BAPTIST CH. RT

7195 COFFMAN ROAD
DUBLIN, OHIO 43017

SHEET NAME:

ANTENNA LAYOUTS & DIAGRAMS

SHEET No./Rev.: RF-2/0

SCALE: AS NOTED
DRAWN BY: DA
CHECKED BY: MCM
DATE: 08/02/16
FILE: 14-188-239