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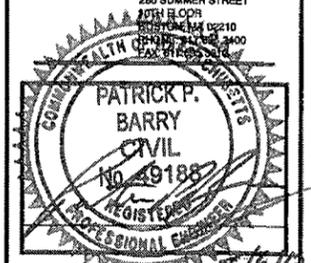
# BRADY TOWERS

252 MEDFORD STREET  
SOMERVILLE, MA 02145  
SITE: 4BS0415A  
ROOF TOP

T-MOBILE NORTHEAST LLC,  
A DELAWARE LIMITED LIABILITY COMPANY  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
OFFICE (508)-286-2700  
FAX (508)-286-2893

**Dewberry**

Dewberry Engineers Inc.  
280 SUMMER STREET  
15TH FLOOR  
SOMERVILLE, MA 02145  
(508) 286-2700  
FAX (508) 286-2893



SITE CONFIGURATION:  
2C/1E  
APPROVALS  
LANDLORD \_\_\_\_\_  
LEASING \_\_\_\_\_  
R.F. \_\_\_\_\_  
ZONING \_\_\_\_\_  
CONSTRUCTION \_\_\_\_\_  
A/E \_\_\_\_\_

PROJECT NO: 50040307  
JOB NO: 50052987  
DRAWN BY: KG  
CHECKED BY: MFT

SUBMITTALS		
NO.	DATE	DESCRIPTION
1	08/06/12	FOR CONSTRUCTION
0	07/03/12	FOR CONSTRUCTION
A	08/29/12	FOR REVIEW

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BRADY TOWERS  
252 MEDFORD STREET  
SOMERVILLE, MA 02145

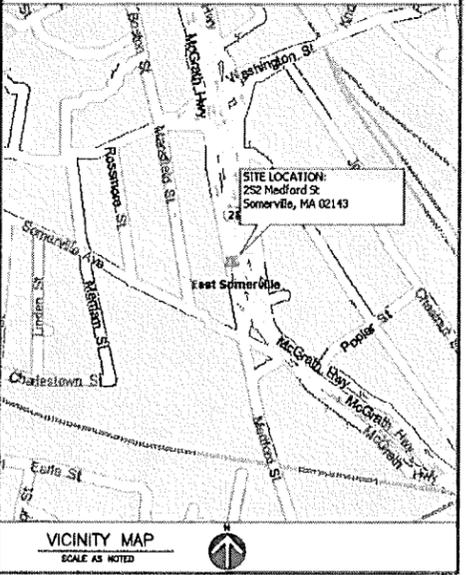
SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1

## GENERAL NOTES

- THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE LESSEE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
- THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE LESSEE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESSEE REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY: DIG SAFE SYSTEM (MA, ME, NH, RI, VT): 1-888-344-7233 CALL BEFORE YOU DIG
- PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS FOR WIRELESS COMMUNICATIONS SYSTEMS. PROJECT OWNER IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. THE PROJECT OWNER RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.

## VICINITY MAP



**DO NOT SCALE DRAWINGS**  
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE T-MOBILE NORTHEAST LLC, REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

## SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
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NOTES & DETAILS		

## PROJECT SUMMARY

SITE NUMBER: 4BS0415A  
SITE NAME: BRADY TOWERS  
SITE ADDRESS: 252 MEDFORD STREET  
SOMERVILLE, MA 02145  
ZONING DISTRICT: C-1 - RESIDENCE  
ASSESSOR'S PARCEL NO.: MAP 80-A, LOT 2  
CONSTRUCTION TYPE: ROOF TOP  
PROPERTY OWNER: SOMERVILLE HOUSING AUTHORITY  
30 MEMORIAL ROAD  
SOMERVILLE, MA 02145  
ROOF TOP MANAGEMENT COMPANY: N/A  
APPLICANT, LESSEE/LICENSEE, PROJECT OWNER: T-MOBILE NORTHEAST LLC,  
15 COMMERCE WAY, SUITE B  
NORTON, MA 02766  
THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.  
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

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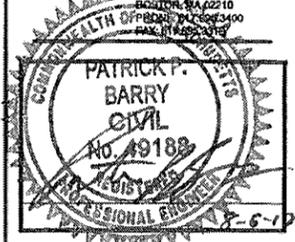
**LEGEND**

- LOCUS PROPERTY LINE
- PROPERTY LINE
- 500' RADIUS FROM BUILDING EDGE
- LOCUS BUILDING
- EXISTING BUILDING
- XXX
- MAP LOT
- RAILROAD ROW (RIGHT OF WAY)

T-MOBILE NORTHEAST LLC,  
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PHONE: (617) 262-3400  
FAX: (617) 262-3415



**SITE CONFIGURATION:**  
2C/1E

**APPROVALS**

LANDLORD \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

**PROJECT NO:** 50040307

**JOB NO:** 50052987

**DRAWN BY:** SK

**CHECKED BY:** MFT

**SUBMITTALS**

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4BS0415A  
BRADY TOWERS  
252 MEDFORD STREET  
SOMERVILLE, MA 02145

**SHEET TITLE**  
500' RADIUS MAP

**SHEET NUMBER**  
Z-1



**DIMENSIONAL REQUIREMENTS \***

	REQUIRED	PROPOSED**
MIN. LOT SIZE	N/A	N/A
FRONT LOT	10' OFF ROOF EDGE	47±
SIDE LOT	10' OFF ROOF EDGE	40±
REAR LOT	10' OFF ROOF EDGE	32±
HEIGHT	10' ABOVE ROOFLINE	N/A

\*PER SOMERVILLE ZONING ORDINANCE ARTICLE 14: WIRELESS COMMUNICATION  
\*\*DIMENSION IS APPROXIMATE AND REPRESENTS DISTANCE FROM T-MOBILE EQUIPMENT TO CLOSEST PROPERTY LINE.

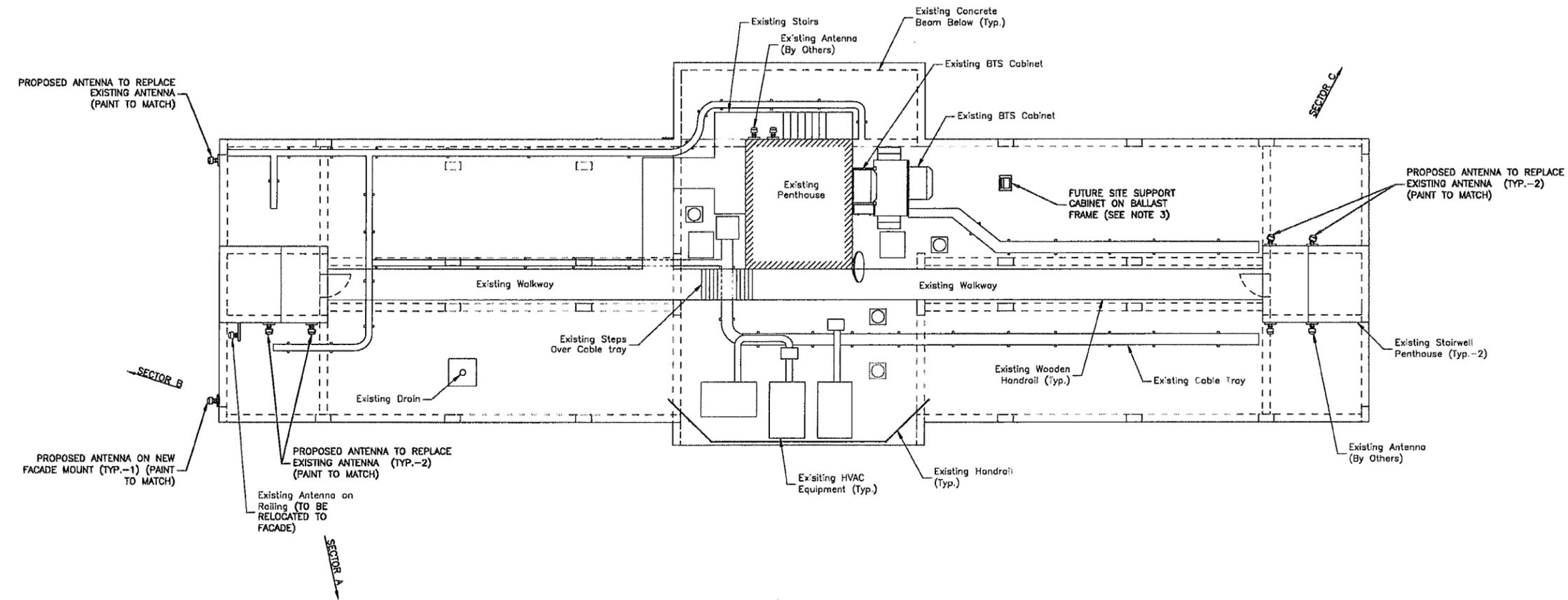
**NOTES:**

- NORTH ARROW IS APPROXIMATE.
- PLAN BASED ON ASSESSOR'S INFORMATION FROM THE TOWN OF SOMERVILLE ASSESSORS ONLINE DATABASE.

**500' RADIUS MAP**  
SCALE: 1"=60'-0"

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PROPOSED ANTENNA TO REPLACE EXISTING ANTENNA (PAINT TO MATCH)

PROPOSED ANTENNA ON NEW FACADE MOUNT (TYP.-1) (PAINT TO MATCH)

PROPOSED ANTENNA TO REPLACE EXISTING ANTENNA (TYP.-2) (PAINT TO MATCH)

PROPOSED ANTENNA TO REPLACE EXISTING ANTENNA (TYP.-2) (PAINT TO MATCH)



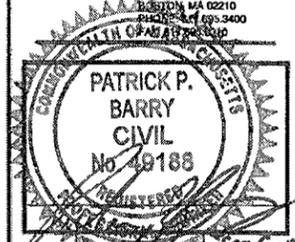
**ROOF PLAN**  
SCALE: 1/16"=1' FOR 11"x17"  
1/8"=1' FOR 22"x34"  
0' 4' 8' 16'

- NOTES:**
1. NORTH SHOWN AS APPROXIMATE.
  2. SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
  3. WHEN FUTURE SITE SUPPORT CABINET IS INSTALLED, A STRUCTURAL ANALYSIS SHALL BE PERFORMED TO CONFIRM LOCATION, ORIENTATION, AND MOUNTING PRIOR TO INSTALLATION.

T-MOBILE NORTHEAST LLC,  
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**SITE CONFIGURATION:**  
2C/1E

**APPROVALS**

LANDLORD \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

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252 MEDFORD STREET  
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SHEET TITLE  
ROOF PLAN

SHEET NUMBER  
A-1

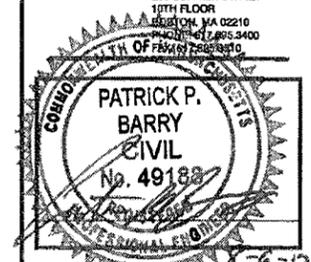
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FAX: 603-286-2893



SITE CONFIGURATION:  
2C/1E

APPROVALS  
LANDLORD \_\_\_\_\_  
LEASING \_\_\_\_\_  
R.F. \_\_\_\_\_  
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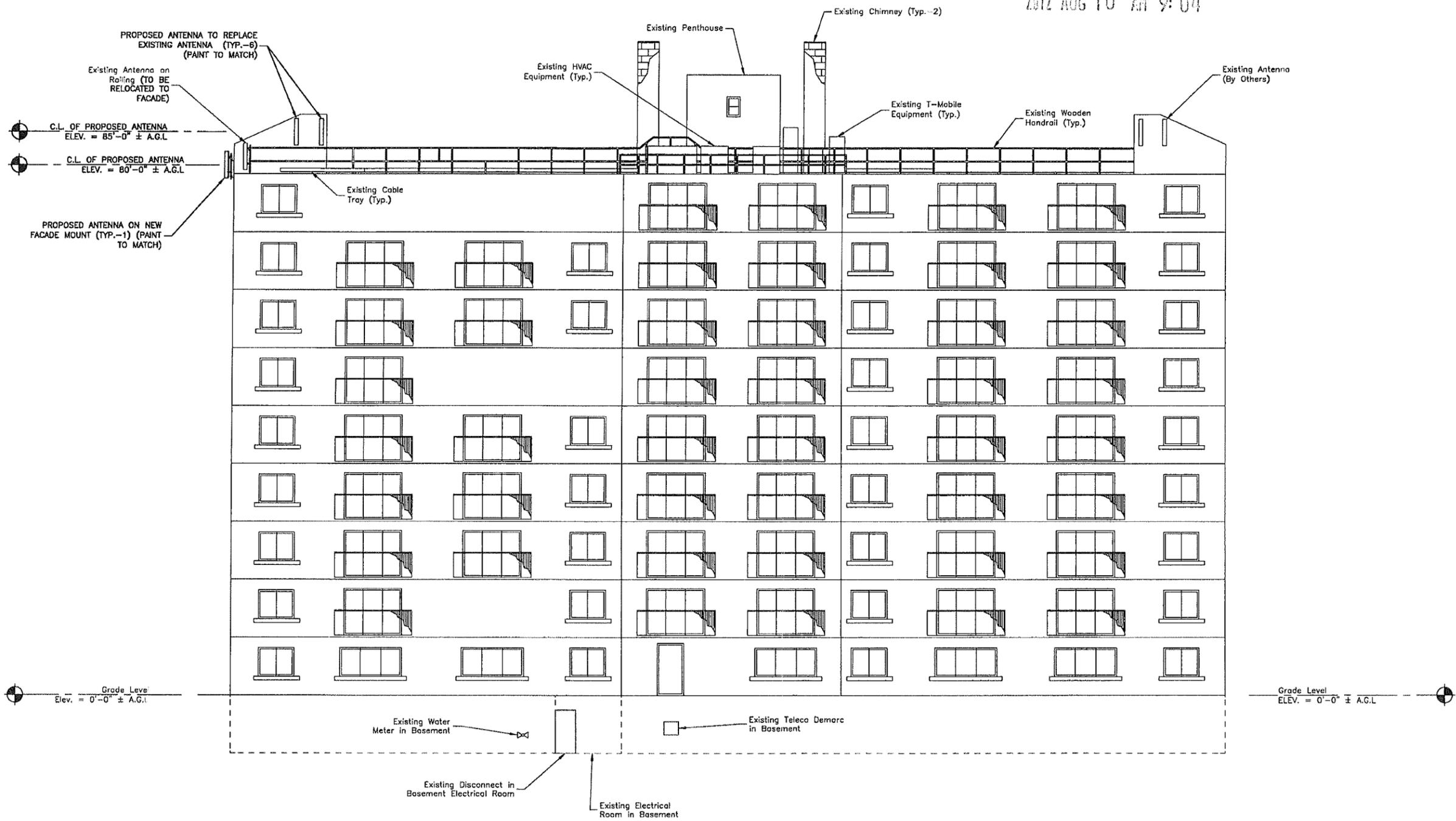
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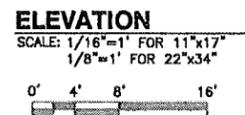
4BS0415A  
BRADY TOWERS  
252 MEDFORD STREET  
SOMERVILLE, MA 02145

SHEET TITLE  
ELEVATION

SHEET NUMBER  
A-2

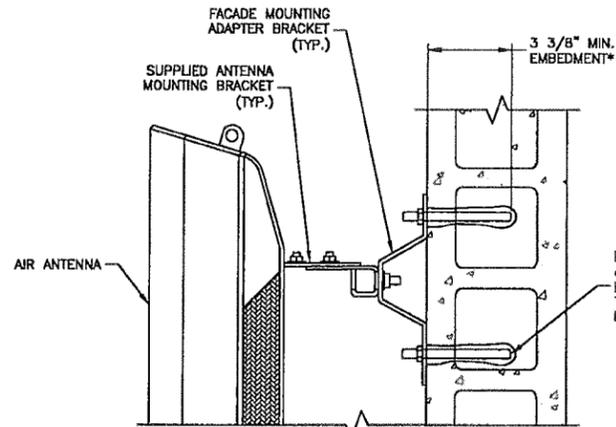


- NOTES:
1. A.G.L. = ABOVE GROUND LEVEL  
C.L. = CENTERLINE
  2. SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
  3. WHEN FUTURE SITE SUPPORT CABINET IS INSTALLED, A STRUCTURAL ANALYSIS SHALL BE PERFORMED TO CONFIRM LOCATION, ORIENTATION, AND MOUNTING PRIOR TO INSTALLATION.



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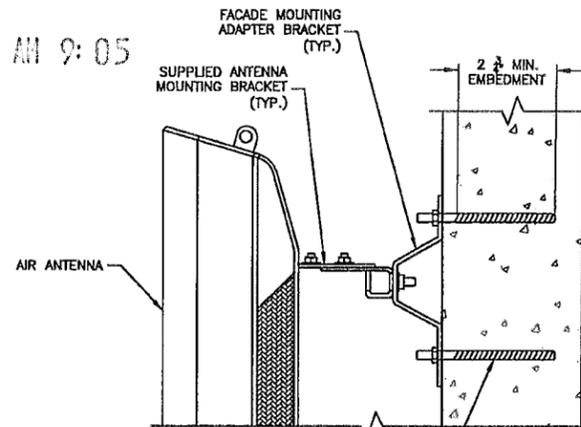
NOTE:

1. FOR MULTI WYTHE BRICK WALL 6" MIN. EMBED. IS REQUIRED (TO ENGAGE TWO LAYERS OF BRICK).
2. NO MORE THAN 1 ANCHOR PER CELL.
3. MIN. DISTANCE TO FREE EDGE 12".

**ANCHOR DETAIL FOR HOLLOW MASONRY**

SCALE: N.T.S.

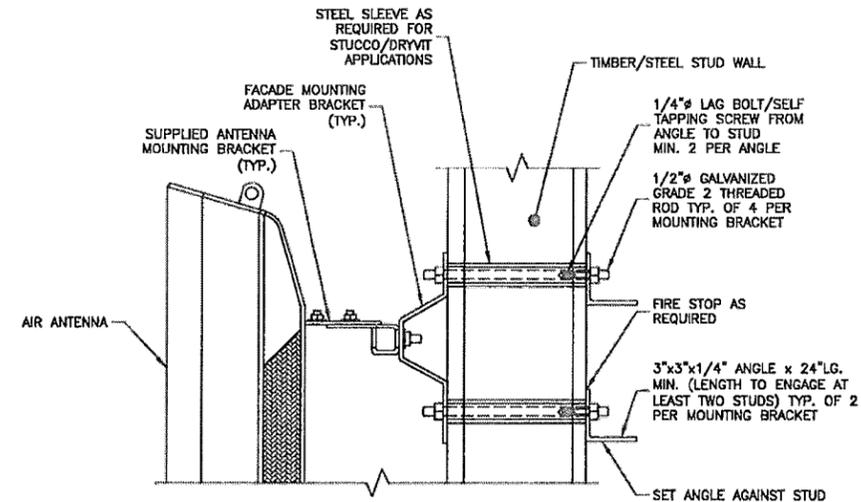
1



**ANCHOR DETAIL FOR SOLID MASONRY**

SCALE: N.T.S.

2



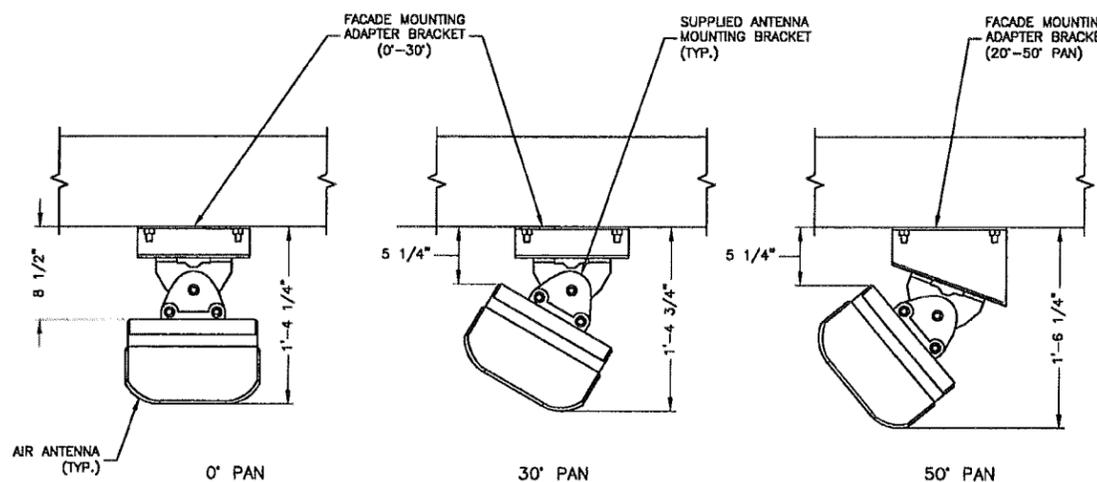
NOTE:

1. SITE SPECIFIC CONDITIONS UNCOVERED DURING CONSTRUCTION MAY WARRANT SISTERING OF (E) STUD WALL MEMBERS.
2. CONTRACTOR TO COORDINATE WITH ENGINEER WHEN WALL STRUCTURE IS EXPOSED.

**MOUNTING DETAIL FOR TIMBER/STEEL STUD CONST.**

SCALE: N.T.S.

3

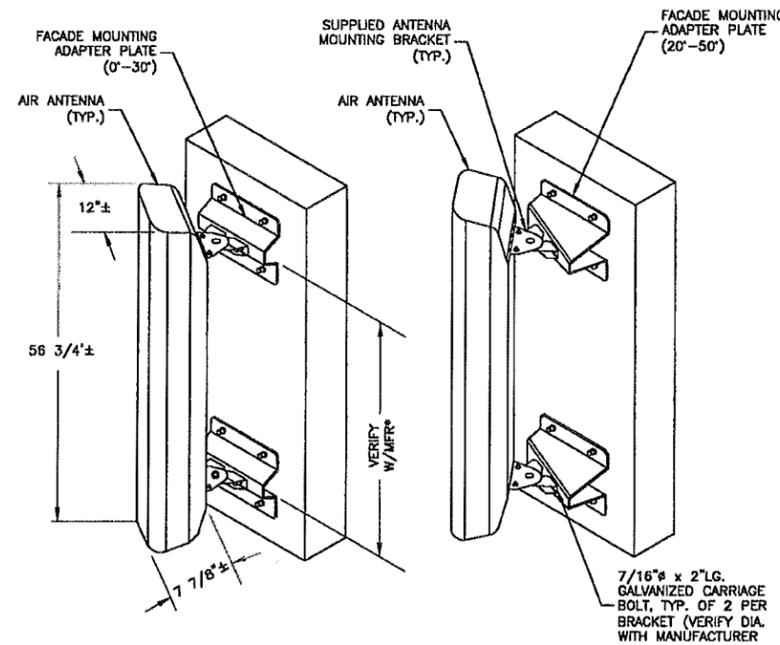


**FACADE MOUNT AIR ANTENNA PLAN**

SCALE: 3/4"=1' FOR 11"x17"  
1 1/2"=1' FOR 22"x34"



4



NOTE:

1. BRACKET POSITION IS CRITICAL TO PROPER ANTENNA INSTALLATION. VERIFY VERTICAL CENTER TO CENTER MEASUREMENT WITH ANTENNA MANUFACTURER.

**FACADE MOUNT AIR ANTENNA ISOMETRIC**

SCALE: N.T.S.

5

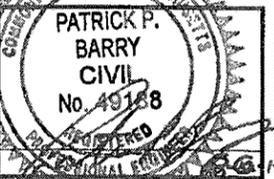
T-MOBILE RF SYSTEM SCHEDULE*		
SECTOR	EXISTING ANTENNA	PROPOSED ANTENNA
ALPHA	(2) RFS APX16DWV-16DWVS	(2) ERICSSON AIR21 1.3
BETA	(2) RFS APX16DWV-16DWVS	(2) ERICSSON AIR21 1.3
GAMMA	(2) RFS APX16DWV-16DWVS	(2) ERICSSON AIR21 1.3

\* VERIFY ALL INFORMATION WITH LATEST RF DATA SHEET AND T-MOBILE RF PRIOR TO CONSTRUCTION.

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A DELAWARE LISTED LIABILITY COMPANY  
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PHONE: (617) 235-3400  
FAX: (617) 235-3419



SITE CONFIGURATION:  
2C/1E

APPROVALS

LANDLORD \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

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SHEET TITLE  
ANTENNA MOUNTING  
DETAILS

SHEET NUMBER  
A-3

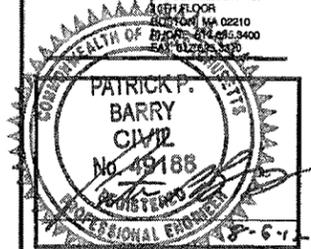
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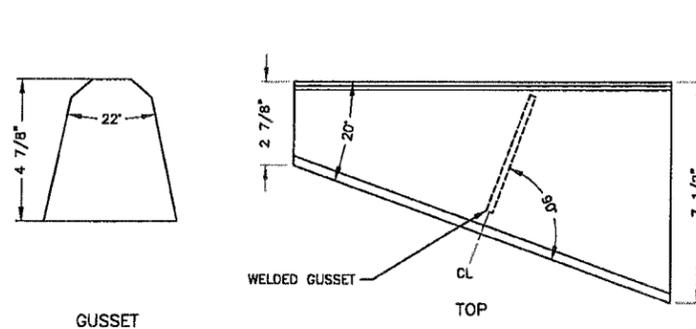
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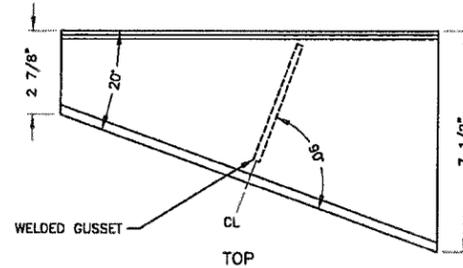
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SHEET TITLE  
ANTENNA BRACKET  
DETAILS

SHEET NUMBER  
A-4

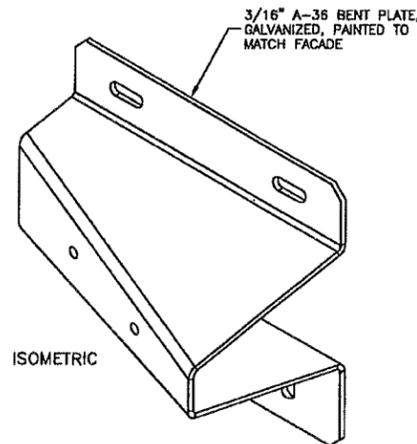


GUSSET



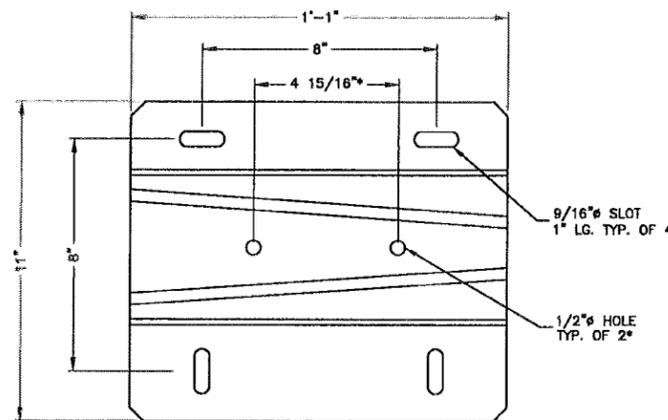
WELDED GUSSET

TOP

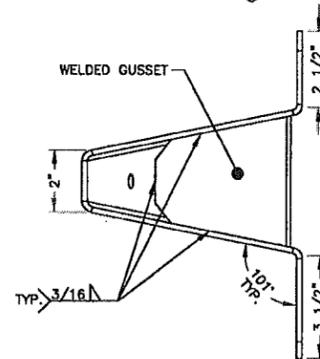


ISOMETRIC

3/16" A-36 BENT PLATE,  
GALVANIZED, PAINTED TO  
MATCH FACADE



FRONT



WELDED GUSSET

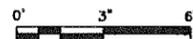
SIDE

\*NOTE:

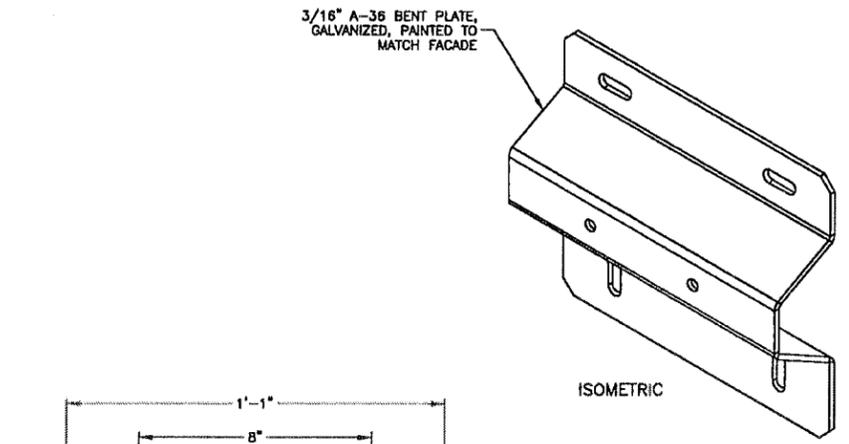
1. VERIFY HOLE POSITION AND DIAMETER WITH MANUFACTURER.

**AIT ANTENNA FACADE MOUNTING  
ADAPTER BRACKET (20°-50° PAN)**

SCALE: 1"=6" FOR 11"x17"  
1"=3" FOR 22"x34"

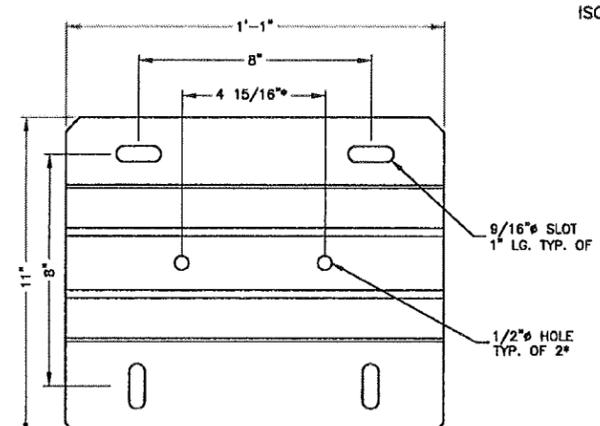


1

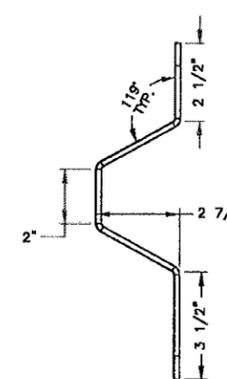


ISOMETRIC

3/16" A-36 BENT PLATE,  
GALVANIZED, PAINTED TO  
MATCH FACADE



FRONT



SIDE

\*NOTE:

1. VERIFY HOLE POSITION AND DIAMETER WITH MANUFACTURER.

**AIT ANTENNA FACADE MOUNTING  
ADAPTER BRACKET (0°-30° PAN)**

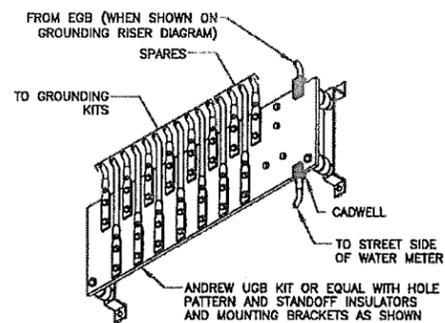
SCALE: 1"=6" FOR 11"x17"  
1"=3" FOR 22"x34"



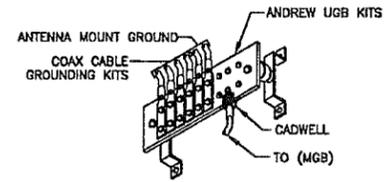
2

## ELECTRICAL & GROUNDING NOTES

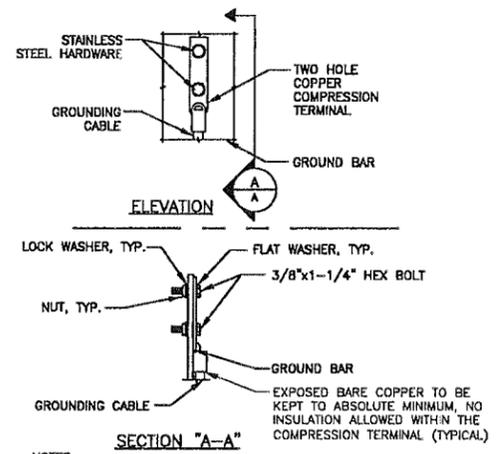
- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- RIGID STEEL CONDUITS SHALL BE GROUNDED AT BOTH ENDS.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THIN INSULATION.
- RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND LESSEE/LICENSEE CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND LESSEE/LICENSEE CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON THIS DRAWING PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- GROUNDING SHALL COMPLY WITH NEC ART. 250.
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY LESSEE/LICENSEE.
- USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #8 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 8 FEET OF LESSEE/LICENSEE EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
- BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.
- BOND ANTENNA EGB'S AND MGB TO GROUND RING.
- TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMS MINIMUM RESISTANCE REQUIRED.
- BOND ANY METAL OBJECT WITHIN 7 FEET OF THE PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
- VERIFY PROPOSED SERVICE UPGRADE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.



**MASTER GROUND BAR (MGB)** 1  
SCALE: N.T.S.

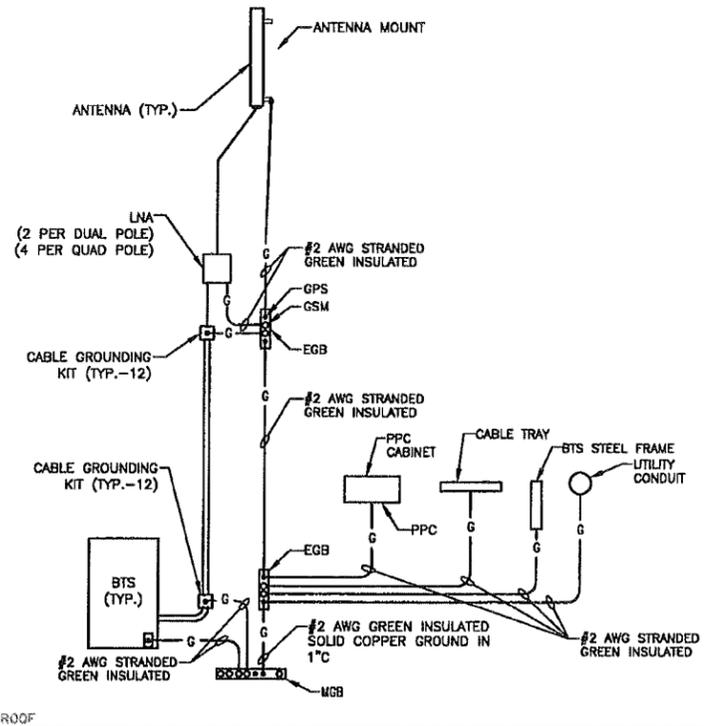


**EQUIPMENT GROUND BAR (EGB)** 2  
SCALE: N.T.S.

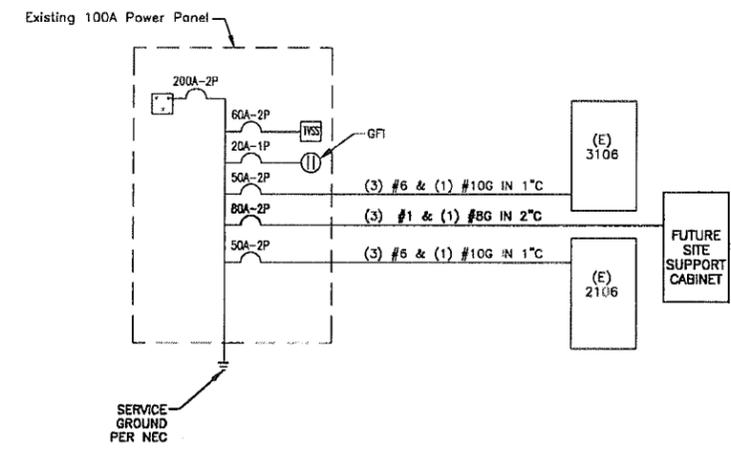


- NOTES:**
- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
  - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
  - CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

**TYPICAL GROUND BAR CONNECTIONS DETAIL** 3  
SCALE: N.T.S.



**GROUNDING RISER DIAGRAM** 4  
SCALE: N.T.S.



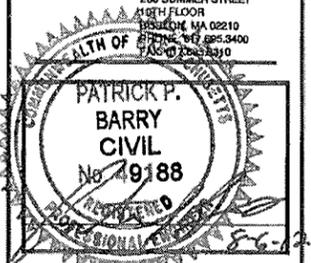
**PARTIAL POWER RISER DIAGRAM** 5  
SCALE: N.T.S.

RECEIVED  
S.P.C.D. AND  
PLANNING DEPT.  
2012 AUG 10 AM 9:05

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A DELAWARE LIMITED LIABILITY COMPANY  
15 COMMERCE WAY, SUITE B  
MERTON, MA 02766  
OFFICE (508)-286-2700  
FAX (508)-286-2893



Dewberry Engineers Inc.  
280 SUMMER STREET  
15TH FLOOR  
MERTON, MA 02710  
PHONE (617) 895-5400  
FAX (617) 895-5310



**SITE CONFIGURATION:**  
2C/1E

**APPROVALS**

LANDLORD \_\_\_\_\_

LEASING \_\_\_\_\_

R.F. \_\_\_\_\_

ZONING \_\_\_\_\_

CONSTRUCTION \_\_\_\_\_

A/E \_\_\_\_\_

**PROJECT NO:** 50040307

**JOB NO:** 50052987

**DRAWN BY:** SK

**CHECKED BY:** MFT

**SUBMITTALS**

NO.	DATE	DESCRIPTION
1	08/08/12	FOR CONSTRUCTION
0	07/03/12	FOR CONSTRUCTION
A	06/29/12	FOR REVIEW

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4BS0415A  
BRADY TOWERS  
252 MEDFORD STREET  
SOMERVILLE, MA 02145

**SHEET TITLE**  
PARTIAL RISER & GROUNDING DIAGRAMS  
NOTES & DETAILS

**SHEET NUMBER**  
E-1