



QC Development

PO Box 916

Storrs, CT 06268

860-670-9068

Mark.Roberts@QCDevelopment.net

April 14, 2017

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Notice of Exempt Modification – New Cingular Wireless PCS, LLC (AT&T)
2074 Park Street, Hartford, CT 06106 – CT1199
N 41-45-24.5
W 72-42-50.0

Dear Ms. Bachman:

AT&T currently maintains nine (9) antennas at the 83-foot level of the existing 85-foot Smokestack at 2074 Park Street, Hartford, CT. The structure and the property are owned by 2074-2100 Park Street LLC. AT&T now intends to remove three (3) Andrew antennas and replace them with three (3) CCI antennas. AT&T also intends to replace three (3) of its existing remote radio units with three (3) new Ericsson RRUS-32. The replacement Antennas and RRUs would be installed at the 83-foot level of the structure.

This facility was approved by the City of Hartford on or around January 1998. Historic records confirm that an Electrical Permit was issued on January 21, 1998. Since there were no condition(s) that could feasibly be violated by this modification, including total facility height or mounting restrictions, this modification complies with the original local approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to The Honorable Luke Bronin, Mayor of the City of Hartford, and the Planning and Zoning Department,

as well as the structure/property owner.

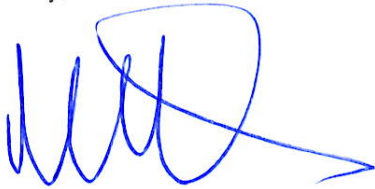
The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Please feel free to call me at (860) 670-9068 with any questions regarding this matter. Thank you for your consideration.

Sincerely,



Mark Roberts
QC Development
Consultant for AT&T

Attachments

cc: The Honorable Luke Bronin – as elected official
Caitlin Palmer – Principal Planner (via e-mail)
2074-2100 Park Street LLC – structure and property owner

Power Density

Existing Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							0.00%
AT&T GSM	1	324	83	0.0197	880	0.5867	1.34%
AT&T GSM	4	832	83	0.2019	1900	1.0000	2.02%
AT&T UMTS	2	649	83	0.0787	880	0.5867	1.34%
AT&T UMTS	2	1387	83	0.1683	1900	1.0000	1.68%
AT&T LTE	1	1375	83	0.0834	734	0.4893	1.70%
Site Total							7.08%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

Proposed Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							0.00%
AT&T GSM	1	149	83	0.0090	880	0.5867	0.15%
AT&T GSM	4	568	83	0.1378	1900	1.0000	1.38%
AT&T UMTS	2	290	83	0.0352	880	0.5867	0.60%
AT&T UMTS	1	571	83	0.0345	1900	1.0000	0.35%
AT&T LTE	1	828	83	0.0502	734	0.4893	1.03%
AT&T LTE	1	3258	83	0.1976	1900	1.0000	1.98%
Site Total							5.48%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

Note: Proposed Loading may also include corrections to certain Existing Loading values

PROJECT INFORMATION

SCOPE OF WORK: TELECOMMUNICATIONS FACILITY UPGRADE (LTE BWE 2017 UPGRADE):

SITE ADDRESS: 2074 PARK STREET
HARTFORD, CT 06106

LATITUDE: 41.756770° N 41° 45' 24.37" N

LONGITUDE: 72.713888° W 72° 42' 49.99" W

TYPE OF SITE: SMOKESTACK / INDOOR EQUIPMENT

TOWER HEIGHT: 85'±

RAD CENTER: 83'±

CURRENT USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT1199

SITE NAME: HARTFORD PARK ST

PROJECT: LTE BWE 2017 UPGRADE

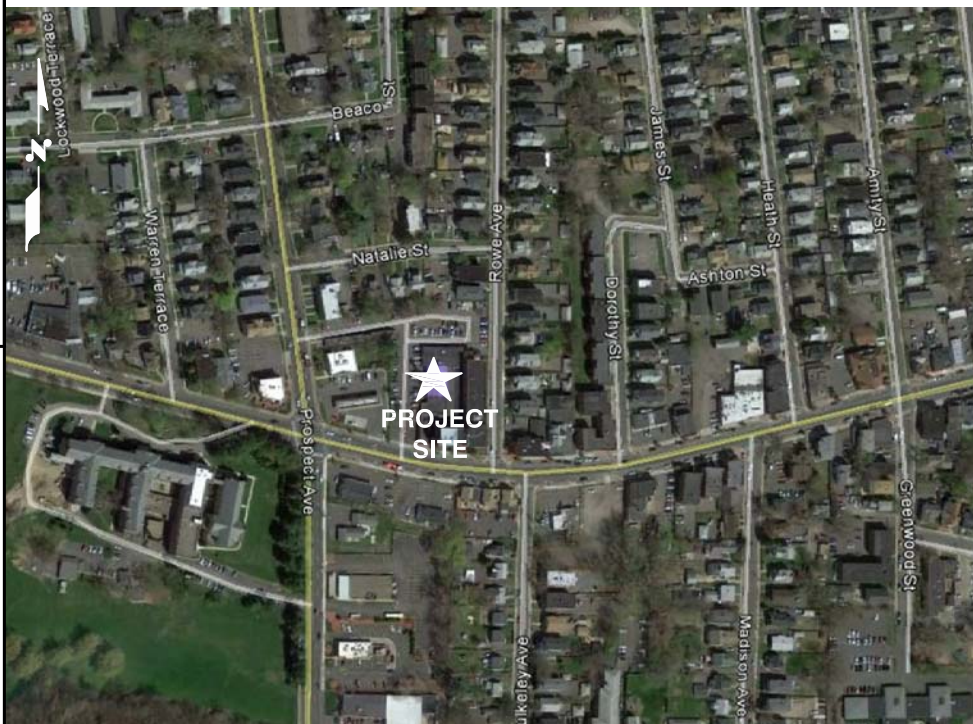
DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
A-1	COMPOUND & EQUIPMENT PLANS	1
A-2	ANTENNA LAYOUTS & ELEVATION	1
A-3	DETAILS	1
RF-1	RF-PLUMBING DIAGRAM	1
G-1	GROUNDING DETAILS	1

VICINITY MAP

DIRECTIONS TO SITE:

START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. TURN LEFT ONTO CAPITOL BLVD. TURN LEFT ONTO WEST ST. MERGE ONTO I-91 N VIA THE RAMP ON THE LEFT TOWARD HARTFORD. MERGE ONTO I-84 W/US-6 W VIA THE EXIT ON THE LEFT TOWARD WATERBURY. TAKE EXIT 44 TOWARD PROSPECT/OAKWOOD/AVENUES. TURN RIGHT ONTO KANE ST. TURN LEFT ONTO PROSPECT AVE. TURN RIGHT ONTO PARK ST. END AT 2074 PARK ST HARTFORD, CT 06106.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

72 HOURS



CALL BEFORE YOU DIG



CALL TOLL FREE 1-800-922-4455

OR CALL 811

UNDERGROUND SERVICE ALERT



1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586



27 NORTHWESTERN DR.
SALEM, NH 03079

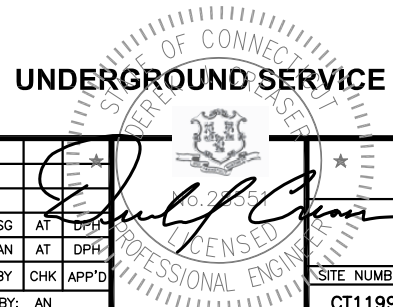
SITE NUMBER: CT1199
SITE NAME: HARTFORD PARK ST

2074 PARK STREET
HARTFORD, CT 06106
HARTFORD COUNTY



550 COCHITUATE ROAD
FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	03/28/17	ISSUED FOR CONSTRUCTION	SG	AT	DPH
A	01/18/17	ISSUED FOR REVIEW	AN	AT	DPH



AT&T

TITLE SHEET
(LTE BWE)

SITE NUMBER	DRAWING NUMBER	REV
CT1199	T-1	1

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: AN

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. 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.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. 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 BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - SAI
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - AT&T MOBILITY
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING 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 CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL 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.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR 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.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH LTE SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
20. APPLICABLE BUILDING CODES:
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODE: IBC 2012 WITH 2016 CT BUILDING CODE AMENDMENTS
 ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
 LIGHTENING CODE: REFER TO ELECTRICAL DRAWINGS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;

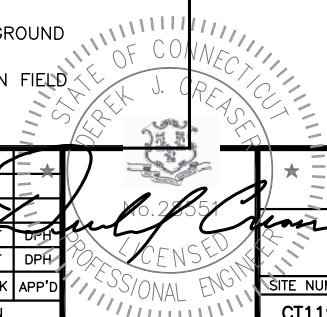
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL

EQUIPMENT AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCEIVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE (ANTENNA)	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFERENCE		



Hudson Design Group, Inc.
 1600 OSGOOD STREET
 BUILDING 20 NORTH, SUITE 3090
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586

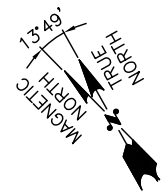
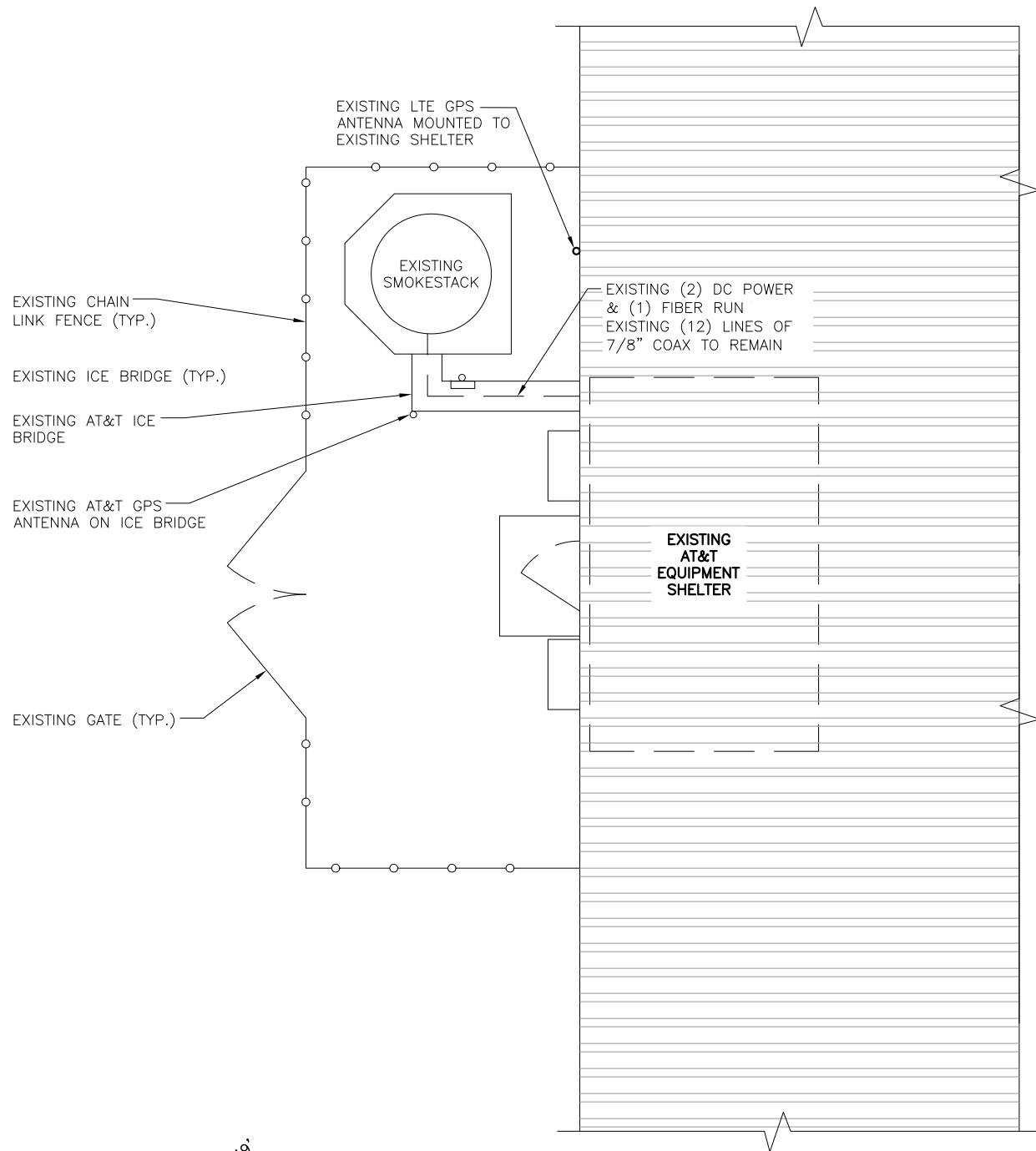
SAI
 27 NORTHWESTERN DR.
 SALEM, NH 03079

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 HARTFORD COUNTY

at&t
 550 COCHITUATE ROAD
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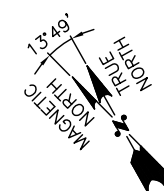
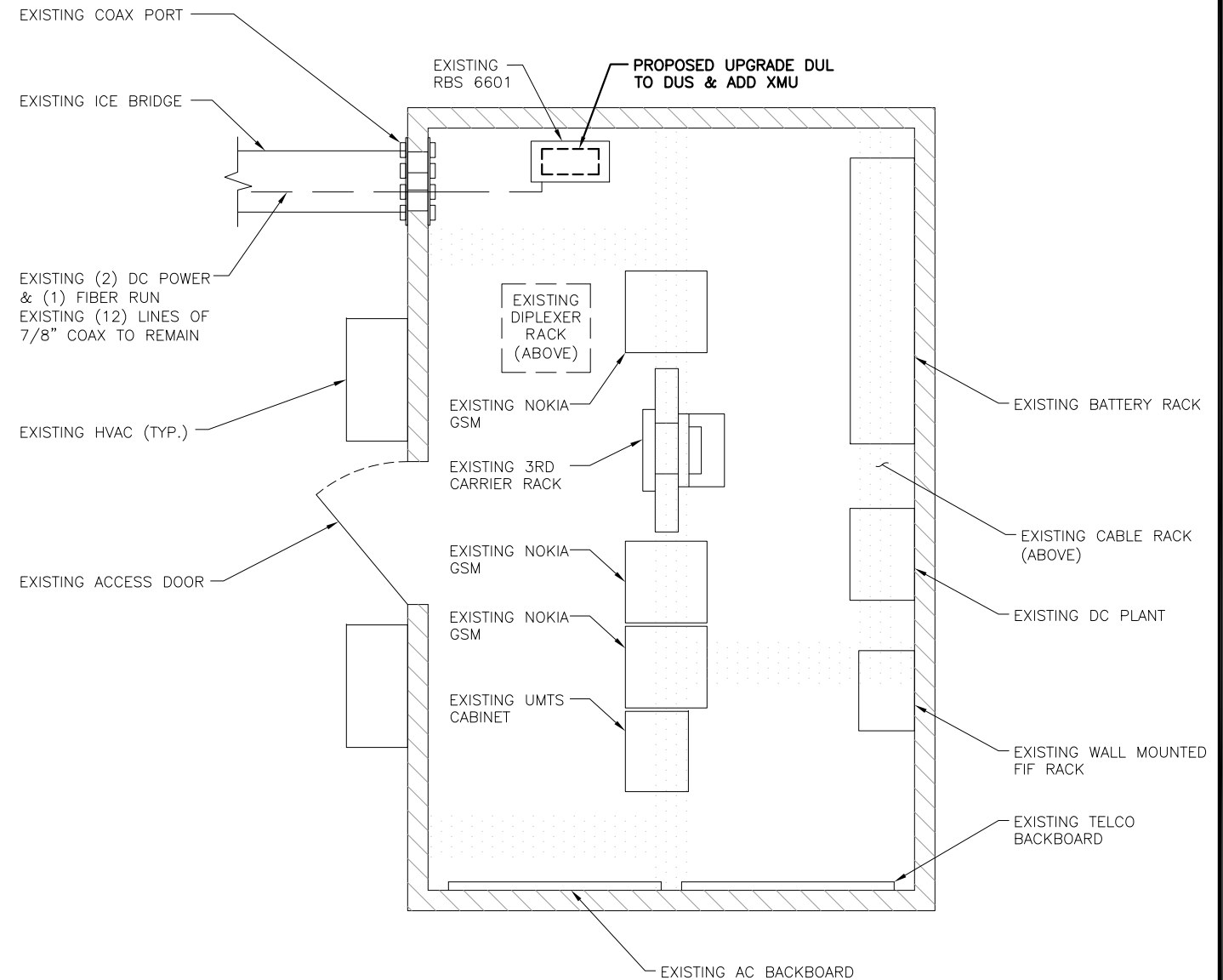
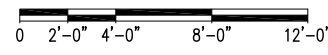
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SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: AN		

AT&T
GENERAL NOTES (LTE BWE)
 SITE NUMBER: **CT1199**
 DRAWING NUMBER: **GN-1**
 REV: **1**



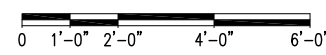
COMPOUND PLAN
 22x34 SCALE: 1/4"=1'-0"
 11x17 SCALE: 1/8"=1'-0"

1
A-1



EQUIPMENT PLAN
 22x34 SCALE: 1/2"=1'-0"
 11x17 SCALE: 1/4"=1'-0"

2
A-1



CHIMNEY REPAIR RECOMMENDATION NOTE:

- THE TOP 15'± OF THE CHIMNEY COLUMN IS IN GOOD CONDITION.
- THE REMAINING 59'± OF THE RADIAL COLUMN REQUIRES MINOR REPAIR. 10%± OF THE MORTAR JOINTS ARE EITHER OPEN OR NEAR FAILING. THERE ARE ALSO A FEW SPALLED BRICKS.
- THE OCTAGON COMMON BRICK PEDESTAL ALSO HAS SCATTERED OPEN MORTAR JOINTS 5%±.
- AN INSPECTION OF THE CHIMNEY HAS BEEN COMPLETED BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 25, 2017

NOTE:

REFER TO STRUCTURAL ANALYSIS BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 17, 2017, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:

AN ASSESSMENT FOR THE CAPACITY OF THE EXISTING **ANTENNA MOUNT** TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: MARCH 20, 2017

NOTE:

REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

Hudson Design Group, Inc.
 1600 OSGOOD STREET
 BUILDING 20 NORTH, SUITE 3090
 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586

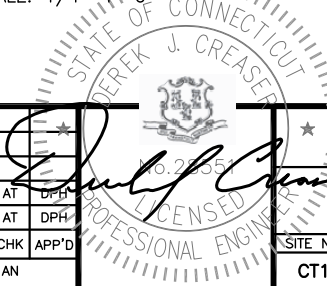
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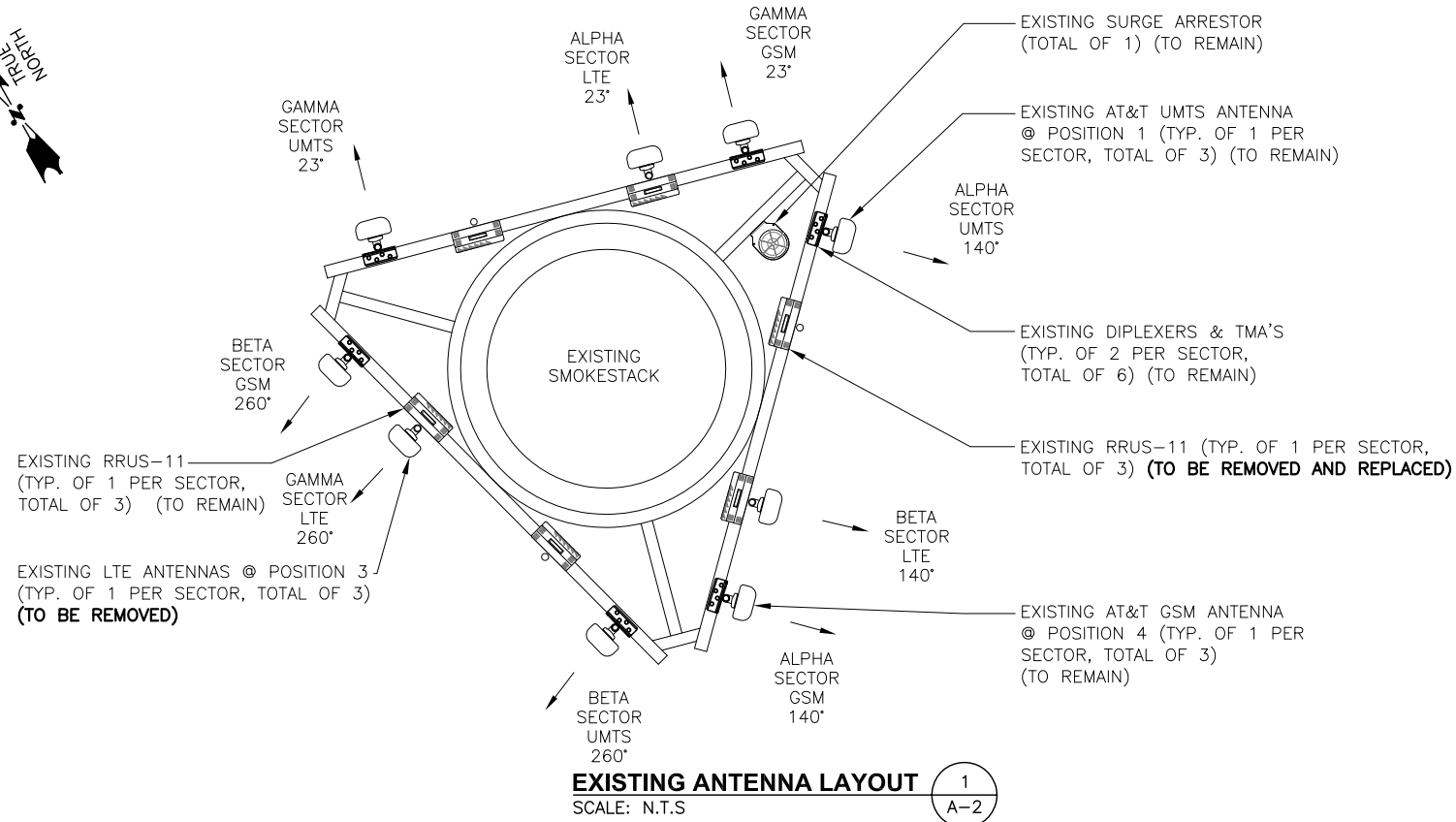
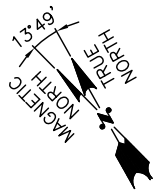
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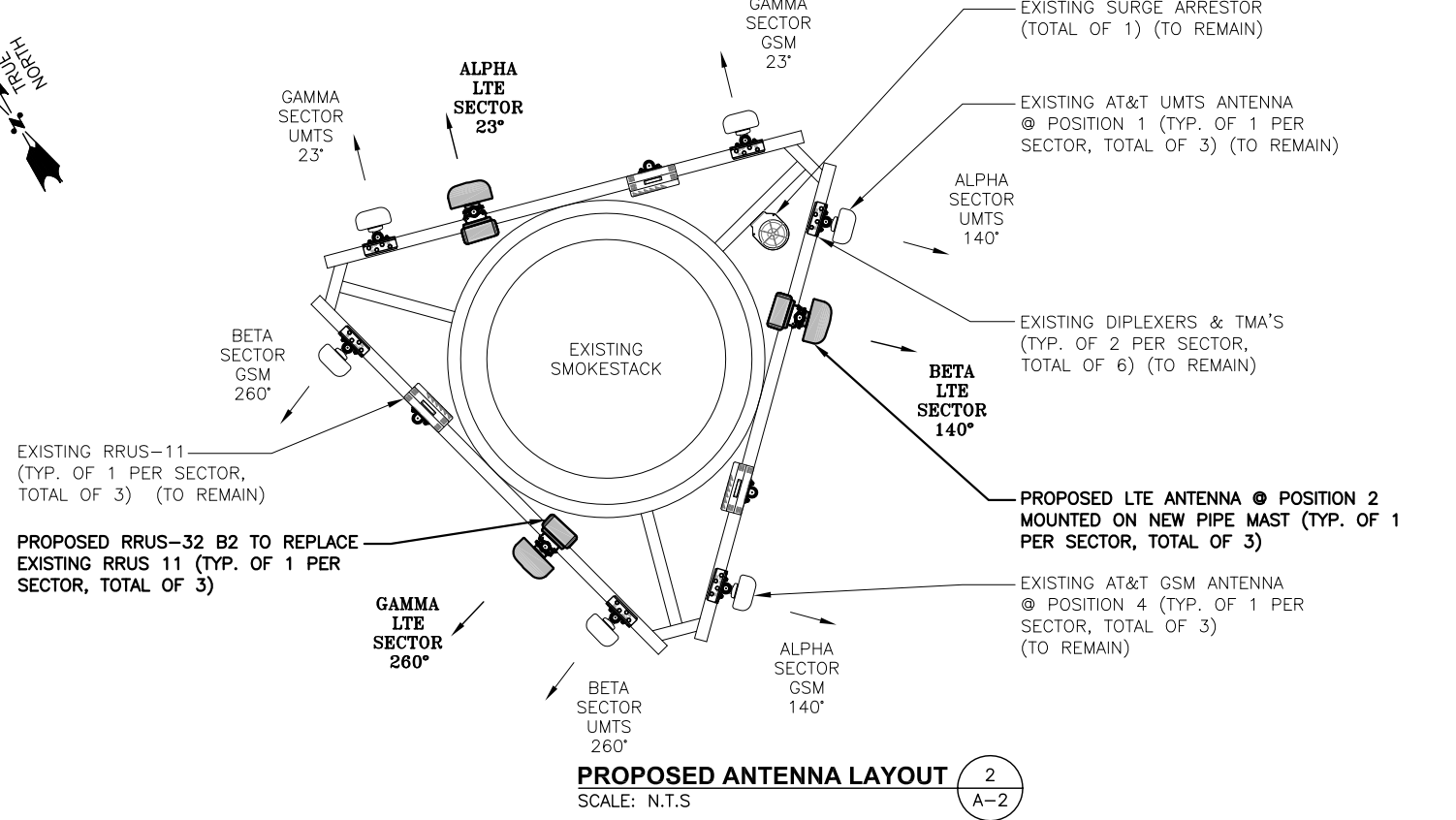
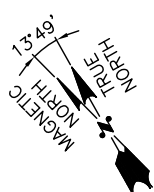
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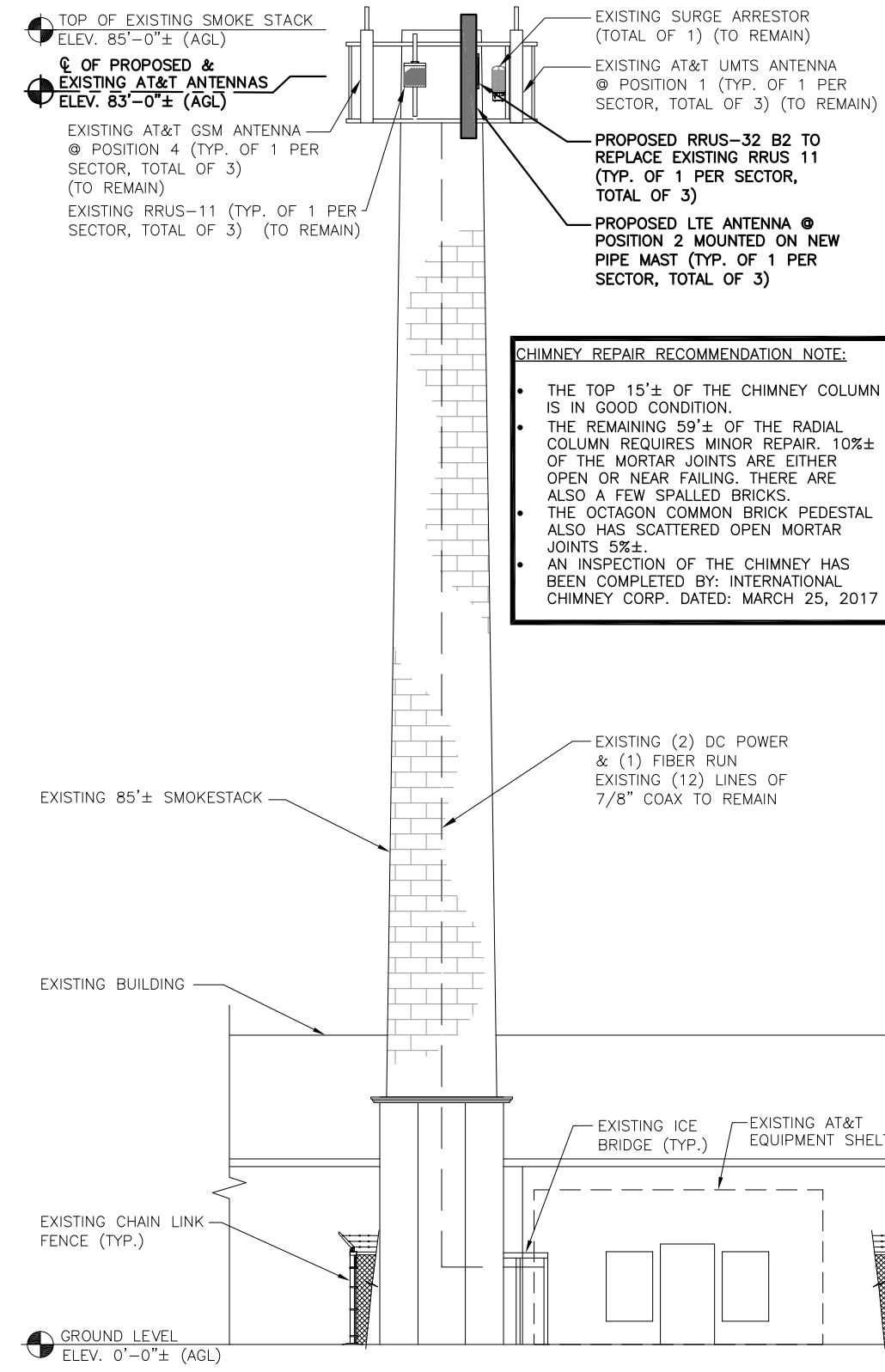
AT&T
COMPOUND & EQUIPMENT PLANS (LTE BWE)
 SITE NUMBER: CT1199 DRAWING NUMBER: A-1 REV: 1



EXISTING ANTENNA LAYOUT 1
SCALE: N.T.S. A-2



PROPOSED ANTENNA LAYOUT 2
SCALE: N.T.S. A-2



ELEVATION 3
22x34 SCALE: 3/16"=1'-0"
11x17 SCALE: 3/32"=1'-0" A-2

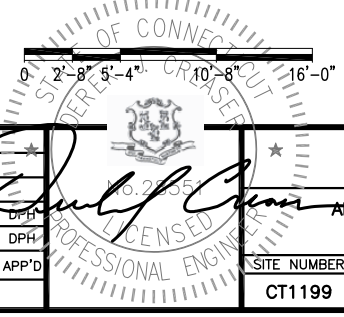
NOTE:
AN ASSESSMENT FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: MARCH 20, 2017

NOTE:
REFER TO STRUCTURAL ANALYSIS BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 17, 2017, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

CHIMNEY REPAIR RECOMMENDATION NOTE:

- THE TOP 15'± OF THE CHIMNEY COLUMN IS IN GOOD CONDITION.
- THE REMAINING 59'± OF THE RADIAL COLUMN REQUIRES MINOR REPAIR. 10%± OF THE MORTAR JOINTS ARE EITHER OPEN OR NEAR FAILING. THERE ARE ALSO A FEW SPALLED BRICKS.
- THE OCTAGON COMMON BRICK PEDESTAL ALSO HAS SCATTERED OPEN MORTAR JOINTS 5%±.
- AN INSPECTION OF THE CHIMNEY HAS BEEN COMPLETED BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 25, 2017



Hudson Design Group, Inc.
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

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27 NORTHWESTERN DR.
SALEM, NH 03079

SITE NUMBER: CT1199
SITE NAME: HARTFORD PARK ST
2074 PARK STREET
HARTFORD, CT 06106
HARTFORD COUNTY

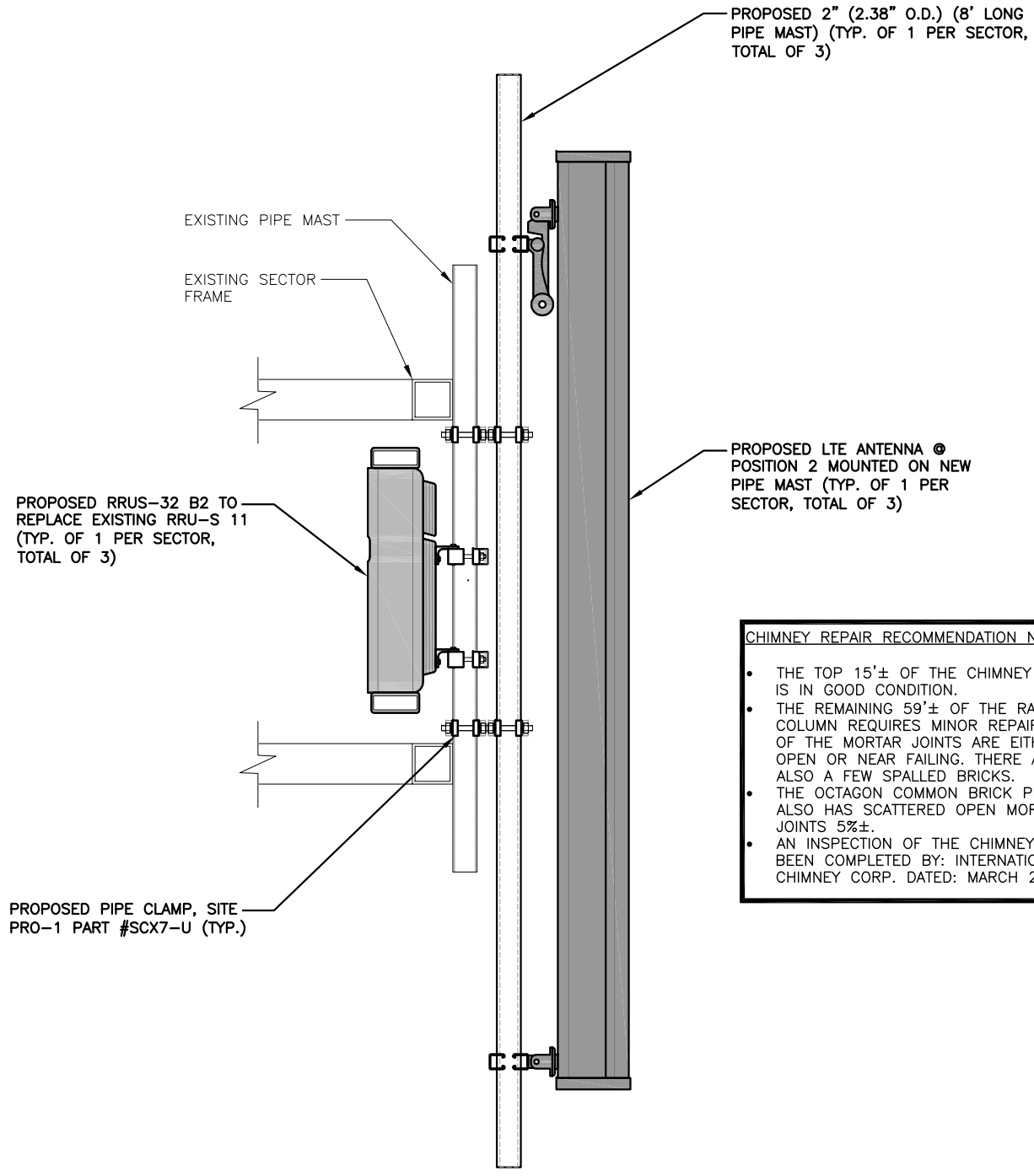
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FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	03/28/17	ISSUED FOR CONSTRUCTION	SG	AT	DPH
A	01/18/17	ISSUED FOR REVIEW	AN	AT	DPH

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: AN

AT&T
ANTENNA LAYOUTS & ELEVATION (LTE BWE)
SITE NUMBER: CT1199 DRAWING NUMBER: A-2 REV: 1

EXISTING ANTENNA SCHEDULE				PROPOSED ANTENNA SCHEDULE			
SECTOR	MAKE	MODEL#	SIZE (INCHES)	SECTOR	MAKE	MODEL#	SIZE (INCHES)
ALPHA:	POWERWAVE	7770	55X11X5	ALPHA:	POWERWAVE	7770	55X11X5
	ANDREW	SBNHH-1D6565C	96.4X11.9X7.1		CCI	HPA-65R-BUU-H8	92.4X14.8X7.4
	POWERWAVE	7770	55X11X5		POWERWAVE	7770	55X11X5
BETA:	POWERWAVE	7770	55X11X5	BETA:	POWERWAVE	7770	55X11X5
	KMW	AM-X-CD-16-65-00T-RET	72X11.8X5.9		CCI	HPA-65R-BUU-H6	72X14.8X9
	POWERWAVE	7770	55X11X5		POWERWAVE	7770	55X11X5
GAMMA:	POWERWAVE	7770	55X11X5	GAMMA:	POWERWAVE	7770	55X11X5
	ANDREW	SBNHH-1D6565C	96.4X11.9X7.1		CCI	HPA-65R-BUU-H8	92.4X14.8X7.4
	POWERWAVE	7770	55X11X5		POWERWAVE	7770	55X11X5



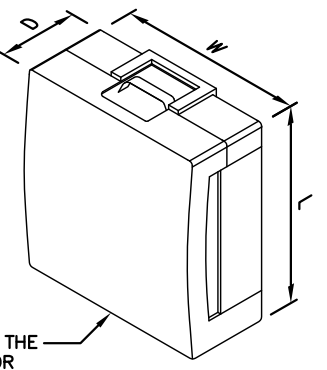
CHIMNEY REPAIR RECOMMENDATION NOTE:

- THE TOP 15'± OF THE CHIMNEY COLUMN IS IN GOOD CONDITION.
- THE REMAINING 59'± OF THE RADIAL COLUMN REQUIRES MINOR REPAIR. 10%± OF THE MORTAR JOINTS ARE EITHER OPEN OR NEAR FAILING. THERE ARE ALSO A FEW SPALLED BRICKS.
- THE OCTAGON COMMON BRICK PEDESTAL ALSO HAS SCATTERED OPEN MORTAR JOINTS 5%±.
- AN INSPECTION OF THE CHIMNEY HAS BEEN COMPLETED BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 25, 2017

RRU CHART

QUANTITY	MODEL	L	W	D
3 (E)	RRUS-11	19.7"	17.0"	7.2"
-	RRUS-12	20.4"	18.5"	7.5"
3 (P)	RRUS-32	27.2"	12.1"	7.0"
-	RRUS-E2	20.4"	18.5"	7.5"
-	LTE-A2	16.4"	15.2"	3.4"

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS



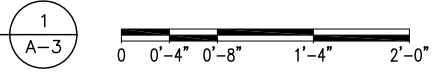
PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

NOTE:
AN ASSESSMENT FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: MARCH 20, 2017

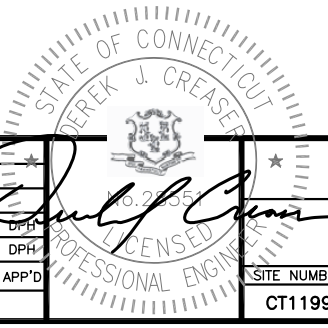
NOTE:
REFER TO STRUCTURAL ANALYSIS BY: INTERNATIONAL CHIMNEY CORP. DATED: MARCH 17, 2017, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

PROPOSED ANTENNA & RRU MOUNTING DETAIL
22x34 SCALE: 1-1/2"=1'-0"
11x17 SCALE: 3/4"=1'-0"



RRU DETAIL
SCALE: N.T.S.



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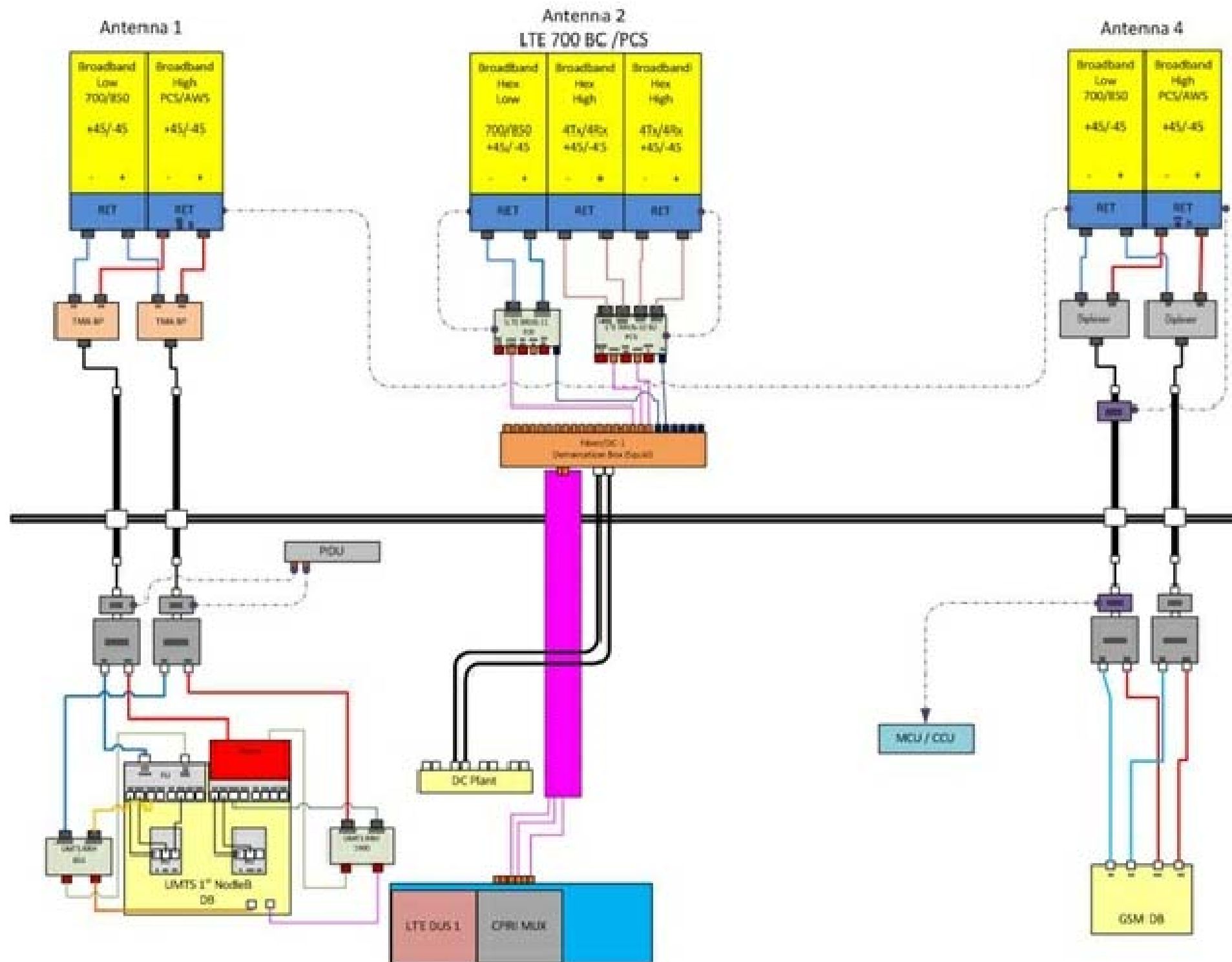
SITE NUMBER: CT1199
SITE NAME: HARTFORD PARK ST
2074 PARK STREET
HARTFORD, CT 06106
HARTFORD COUNTY

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NO.	DATE	REVISIONS	BY	CHK	APP'D
1	03/28/17	ISSUED FOR CONSTRUCTION	SG	AT	DPH
A	01/18/17	ISSUED FOR REVIEW	AN	AT	DPH

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: AN

AT&T	
DETAILS (LTE BWE)	
SITE NUMBER	DRAWING NUMBER
CT1199	A-3
REV	1

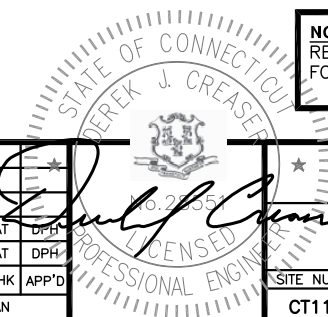


RF PLUMBING DIAGRAM
SCALE: N.T.S.

1
RF-1

NOTE:
1. CONTRACTOR TO CONFIRM ALL PARTS.
2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.



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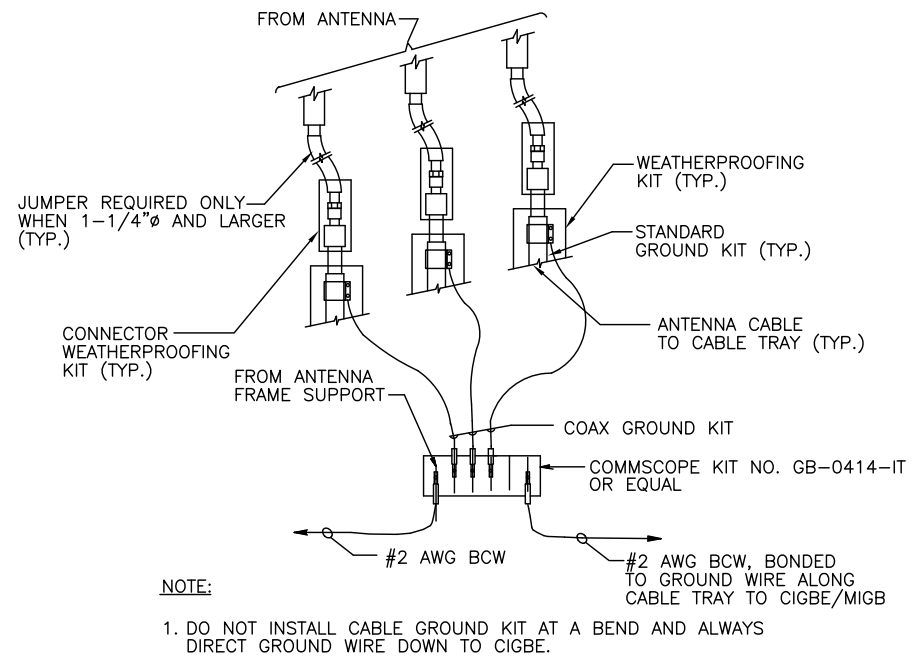
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SITE NUMBER: CT1199
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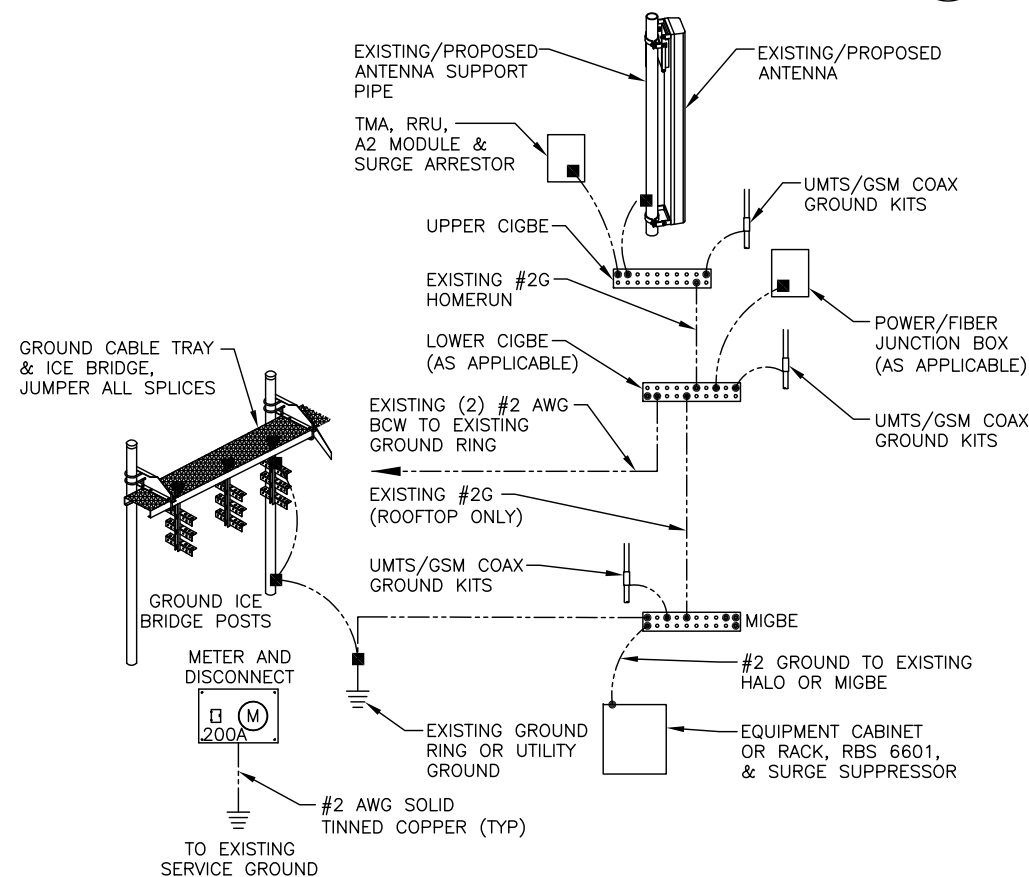
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1	03/28/17	ISSUED FOR CONSTRUCTION	SG	AT	DPH
A	01/18/17	ISSUED FOR REVIEW	AN	AT	DPH
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: AN		

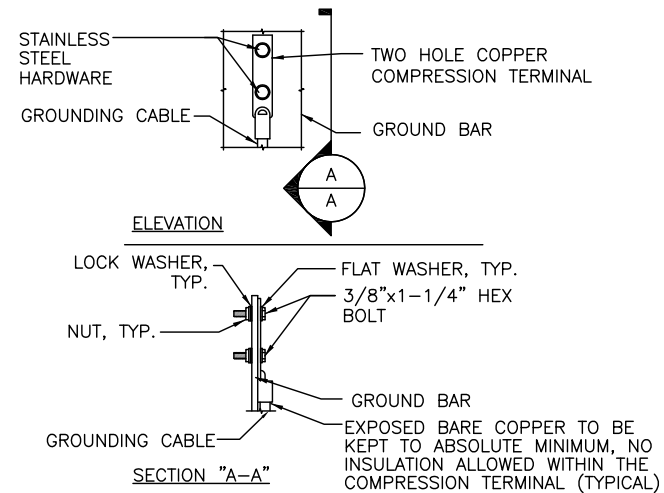
AT&T
RF PLUMBING DIAGRAM (LTE BWE)
SITE NUMBER: CT1199
DRAWING NUMBER: RF-1
REV: 1



GROUND WIRE TO GROUND BAR CONNECTION DETAIL 1
SCALE: N.T.S. G-1



GROUNDING RISER DIAGRAM 2
SCALE: N.T.S. G-1



TYPICAL GROUND BAR CONNECTION DETAIL 3
SCALE: N.T.S. G-1

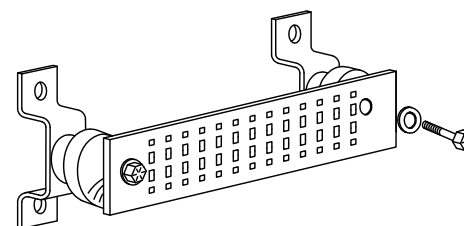
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PRODUCERS

- CABLE ENTRY PORTS (HATCH PLATES) (#2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
- +24V POWER SUPPLY RETURN BAR (#2)
- 48V POWER SUPPLY RETURN BAR (#2)
- RECTIFIER FRAMES.

SECTION "A" - SURGE ABSORBERS

- INTERIOR GROUND RING (#2)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
- BUILDING STEEL (IF AVAILABLE) (#2)



GROUND BAR - DETAIL 4
SCALE: N.T.S. G-1



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SITE NUMBER: CT1199
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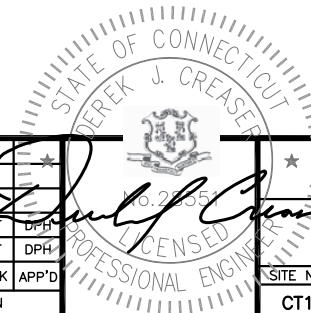
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NO.	DATE	REVISIONS	BY	CHK	APP'D
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SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: AN



AT&T		
GROUNDING DETAILS (LTE BWE)		
SITE NUMBER	DRAWING NUMBER	REV
CT1199	G-1	1

Chimney Design Calculations by International Chimney Corporation
55 South Long Street, Williamsville,

Customer: Hudson Design Group

Project: CT-44171-C STRUCTURAL ANALYSIS

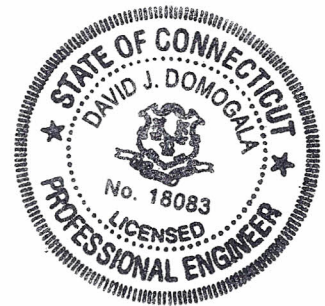
Site: 2047 Park St. | Hartford, CT 06106

Chimney Description: 84' Buff Radial Brick Chimney with octagonal pedestal

Summary: The following is a structural analysis on a 84' buff radial brick chimney with an octagonal pedestal. With the proposed replacement of the antennas and RRUs at the 82' elevation, it was found that the chimney shell is not overstressed. This analysis assumes all recommended repairs have been completed.

Finish cover page

By: JWL
Date: 3/17/2017



David J. Domogala
3-19-17

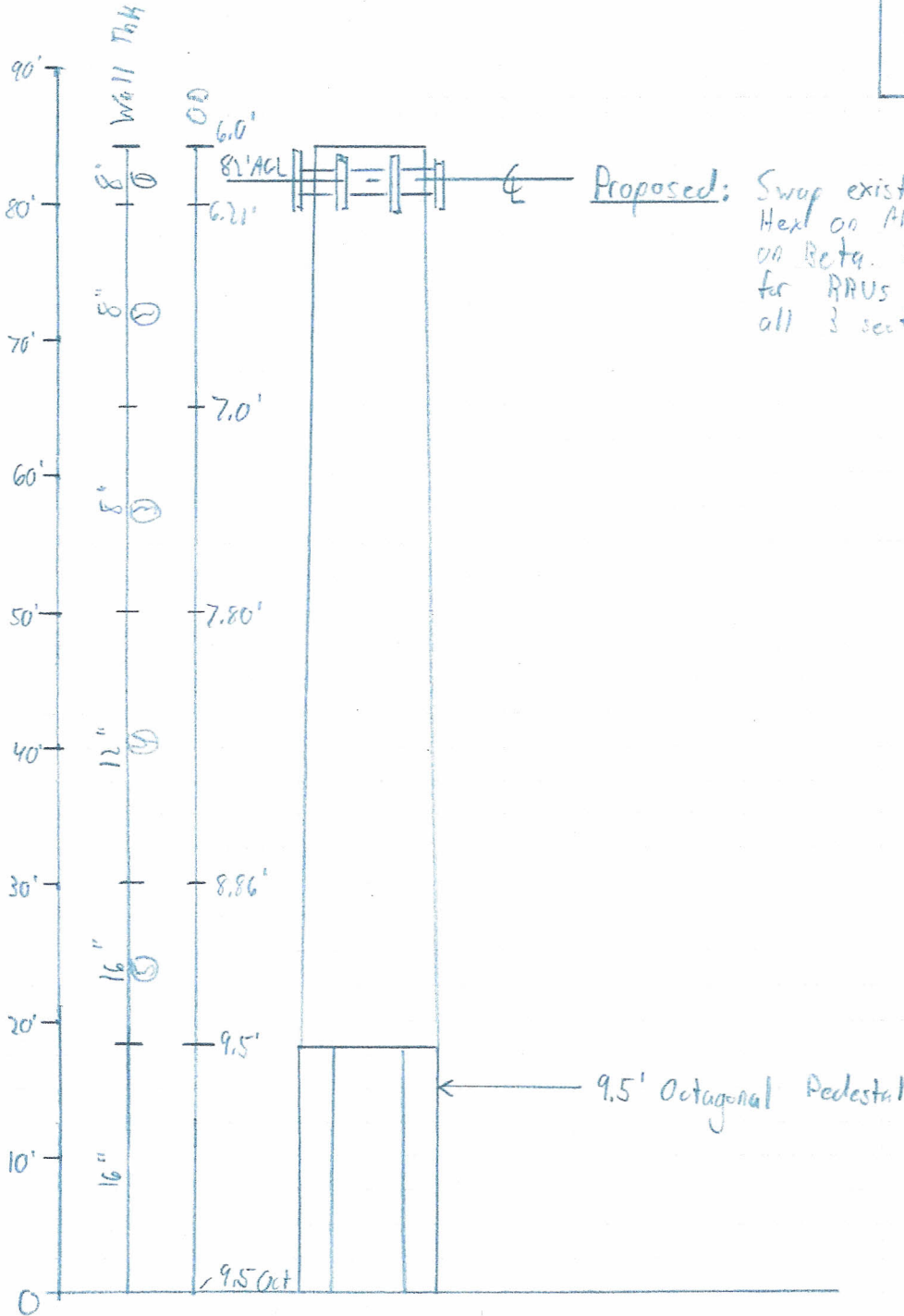


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FCC Job: CT-44171-C

Site: 2047 Park Street
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THIS SPREADSHEET CALCULATES THE WIND PRESSURES ON VARIOUS SECTIONS OF THE CHIMNEY:
 USING ASCE 7-10 WIND CRITERIA

INPUT =

Height of Chimney (h in ft) 84

Define Risk Category III (Table 1.5-1)

Define Exposure Factor B (Section 26.7.3)

Basic Wind Speed (in mph) 132 (See Attached Sheet)

G 0.85 (Section 26.9)

K_{zt} 1.0 (Section 26.8.2)

K_d 0.95 (Section 26.6)

$$q_z = 0.00256K_zK_{zt}K_dV^2 \text{ (Equation 29.3-1)}$$

$$p = q_zGC_f \text{ (Equation 29.4-1)}$$

$q = 0.00256K_{zt}K_dGV^2 =$ 36.02

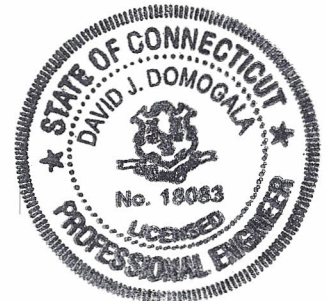
Using Load Combination 2, use $0.6q =$ 21.61

Calculate K_z using Table 29.3-1

Calculate C_f from Table 29.5-1

SECTION	ΔH (ft)	K_z	C_f	F_{des} (psf)
1	80-84	0.94	1.08	21.94
2	65-80	0.90	0.84	16.34
3	50-65	0.84	0.83	16.00
4	30-50	0.76	0.82	16.00
5	18-30	0.66	0.81	16.00

If $F_{des} < 16$ psf, use 16 psf
 for minimum wind pressure



Calculate Stress:

Fa = Axial load at bottom of each stack section. This includes all dead load above the bottom of the stack section, including the stack section itself plus all other stack sections above it.

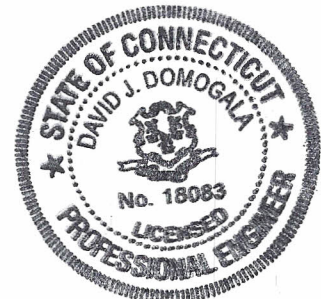
$$Fa := \begin{cases} \text{for } r \in 1..N \\ Fa_r \leftarrow \frac{\text{DeadLoad}_r}{\text{Area}_r} \\ Fa \end{cases}$$

Fb = Bending stress due to wind at bottom of each stack section. This includes all wind load on the stack section itself plus the wind load on all stack sections above it.

$$Fb := \begin{cases} \text{for } r \in 1..N \\ Fb_r \leftarrow \frac{\text{TotalSectionMoment}_r}{\text{SectionMod}_r} \\ Fb \end{cases}$$

$$Fa = \begin{pmatrix} 3.406 \\ 14.702 \\ 24.852 \\ 30.579 \\ 31.681 \end{pmatrix} \cdot \frac{\text{lb}}{\text{in}^2}$$

$$Fb = \begin{pmatrix} 0.511 \\ 7.681 \\ 18.899 \\ 27.332 \\ 29.505 \end{pmatrix} \cdot \frac{\text{lb}}{\text{in}^2}$$



The following is a spreadsheet that calculates the allowable stresses on the chimney using Code ACI 530-05/ASCE 5-05/TMS 402-05

Input =
 Pass =
 Fail =

Height of Chimney (h in feet) 84

f'_m (psi) 1500

Section	Wall Thk (in)	OD (ft)	ID (ft)	r (ft)	h/r	F_a (psi)	F_{bc} (psi)	f_a (psi)	f_{bc} (psi)	$(f_a/F_a)+(f_{bc}/F_{bc})$	f_{bt} (psi)	F_{bt} (psi)	f_{bt}/F_{bt}
1	8	6.21	4.88	1.97	42.55	340.35	499.5	3.406	0.511	0.0110	-2.895	30	-0.097
2	8	7.00	5.67	2.25	37.31	348.37	499.5	14.702	7.681	0.0576	-7.021	30	-0.234
3	8	7.80	6.47	2.53	33.16	353.96	499.5	24.852	18.899	0.1080	-5.953	30	-0.198
4	12	8.86	6.86	2.80	29.99	357.80	499.5	30.579	27.332	0.1402	-3.247	30	-0.108
5	16	9.50	6.83	2.93	28.71	359.23	499.5	31.681	29.505	0.1473	-2.176	30	-0.073

For $h/r < 99$: $F_a = (1/4)f'_m [1 - (h/140r)^2]$

For $h/r > 99$: $F_a = (1/4)f'_m (70r/h)^2$

$F_{bc} = (1/3)f'_m$



Calculate Shear Stress due to Wind Load:

Shear = Shear stress for each individual stack section

$$\text{Shear} := \frac{\text{WindLoad}}{[(Md + WallThk)SectHgt]}$$

Calculate Elevation at Bottom of Each Section:

Th = Total height of stack

$$\text{Th} := \sum \text{SectHgt}$$

Th = 66 ft

BtmElev = Elevation at bottom of each stack section. BtmElev = 0 at bottom of stack.

$$\text{BtmElev} := \begin{pmatrix} EL_1 \leftarrow Th - \text{SectHgt}_1 \\ \text{for } r \in 2..N \\ EL_r \leftarrow EL_{r-1} - \text{SectHgt}_r \\ EL \end{pmatrix}$$

	1	
1	0.536	
2	1.619	
3	1.776	
4	2.666	
5	1.763	
6	0	
7	0	
8	0	lb-1000
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	...	

$$\text{BtmElev} = \begin{pmatrix} 62 \\ 47 \\ 32 \\ 12 \\ -4.371 \times 10^{-15} \end{pmatrix} \text{ ft}$$


Calculate Total Number of Stack Sections:

NoSections = Total number of stack sections being analyzed

$$\text{NoSections} := \begin{cases} Mp \leftarrow 0 \\ \text{for } r \in 1..35 \\ \quad Mp_r \leftarrow 1 \text{ if SectHgt}_r > 0 \\ \quad Mp_r \leftarrow 0 \text{ if SectHgt}_r \leq 0 \\ Mp \end{cases}$$

$$\sum \text{NoSections} = 5$$

$$N := \sum \text{NoSections}$$

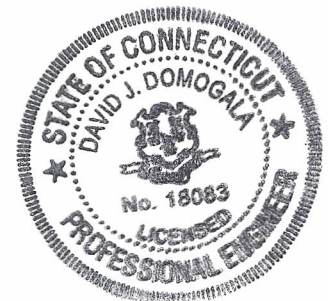
N = 5 (N is used in calculations below)

Calculate Dead Loads at Bottom of Each Stack Section:

DeadLoad = Total dead load at bottom of each *individual* stack section *all by itself*

$$\text{DeadLoad} := \begin{cases} DL_1 \leftarrow \text{SectWgt}_1 \\ \text{for } r \in 2..N \\ \quad Mp \leftarrow DL_{r-1} + \text{SectWgt}_r \\ \quad DL_r \leftarrow Mp \\ DL \end{cases}$$

$$\text{DeadLoad} = \begin{pmatrix} 5.695 \\ 28.082 \\ 53.466 \\ 108.733 \\ 156.063 \end{pmatrix} \text{ lb} \cdot 1000$$





INTERNATIONAL CHIMNEY CORPORATION

CORPORATION

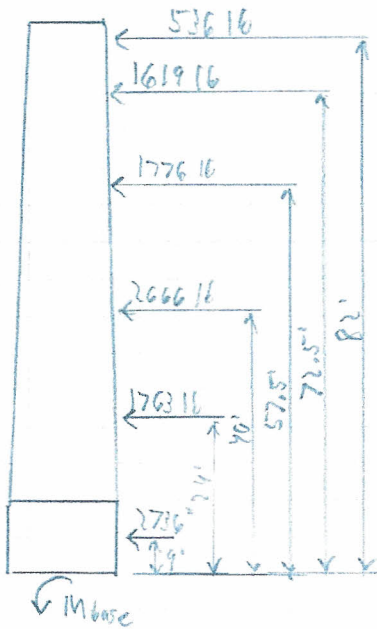
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Check Octagonal Pedestal:

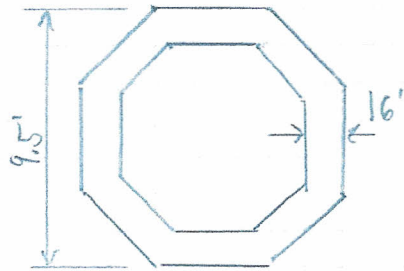
Calculate wind shear on pedestal

$$F_{des} = 21.61 \times 0.57 \times 1.22 = 15.03 \text{ s. use } 16 \text{ psf}$$

$$V_{des} = 16 \text{ psf} \times 9.5' \times 18' = 2736 \text{ lb}$$



$$M_{base} = 2736 \times 9 + 1763 \times 24 + 2666 \times 40 + 1776 \times 57.5 + 1619 \times 72.5 + 536 \times 82 = 436378 \text{ ft-lb}$$



$$S = \frac{I_o - I_i}{c} = \frac{9289280.88 - 2486669.68}{57''}$$

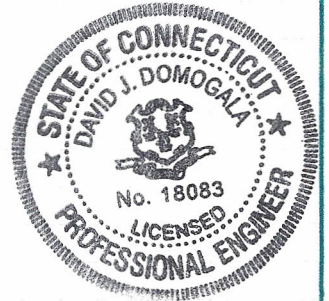
$$S = 119344 \text{ in}^3 = 69.06 \text{ ft}^3$$

$$f_b = \frac{M_{base}}{S} = \frac{436378}{69.06} = 6318.8 \text{ psf} = 43.88 \text{ psi}$$

$$DL = 156,063 \text{ lb} + (120 \text{ pcf} \times 18' \times 36 \text{ ft}^2) = 233,823 \text{ lb}$$

$$f_a = \frac{DL}{A} = \frac{233,823}{36} = 6495.1 \text{ psf} = 45.1 \text{ psi}$$

$$f_b - f_a = 43.88 - 45.1 = -1.22 \text{ psi (OK)}$$



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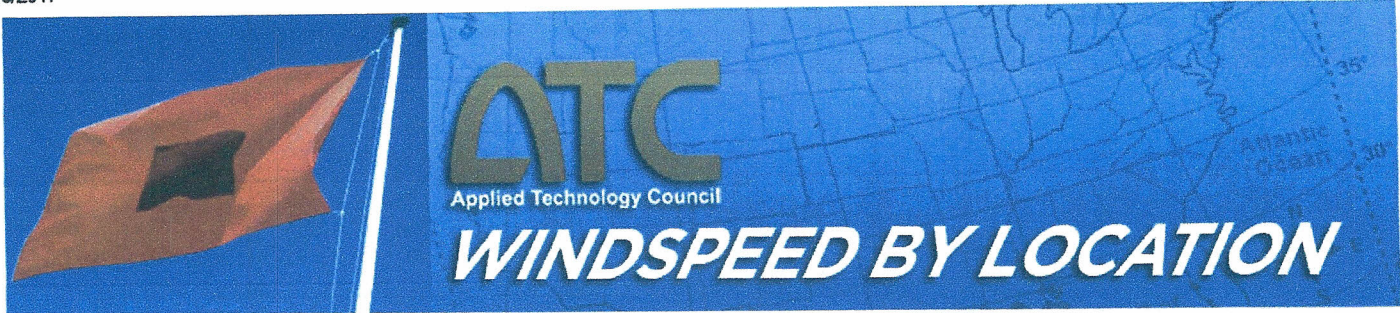
Fax 716-634-3983

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Variables Octagon Section Properties		
Inputs	Inches	mm
"d" (Across Flats) =	114.0000	25.400
Calculated Properties	Inches	mm
Area Moment of Inertia Section (Units ⁴) =	9289280.8800	22892.728
Section Modulus (Units ³) =	161488.2960	1786.190
Radius of Gyration (Unit) =	29.2980	6.528
Area (Unit ²) =	10760.6880	534.192
y (unit) =	57.0000	12.700

Variables Octagon Section Properties		
Inputs	Inches	mm
"d" (Across Flats) =	82.0000	25.400
Calculated Properties	Inches	mm
Area Moment of Inertia Section (Units ⁴) =	2486669.6800	22892.728
Section Modulus (Units ³) =	60099.1120	1786.190
Radius of Gyration (Unit) =	21.0740	6.528
Area (Unit ²) =	5567.4720	534.192
y (unit) =	41.0000	12.700





[ASCE 7 Windspeed](#)
 [ASCE 7 Ground Snow Load](#)
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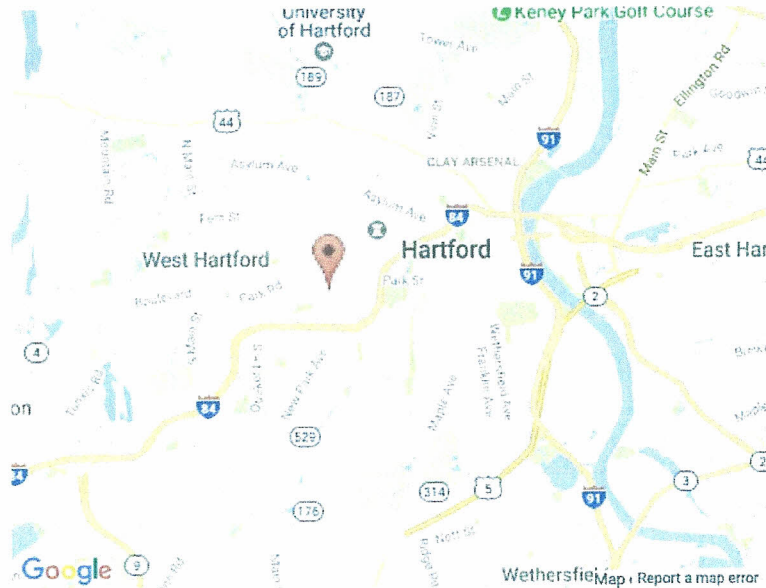
Search Results

Query Date: Thu Mar 16 2017
Latitude: 41.7562
Longitude: -72.7130

**ASCE 7-10 Windspeeds
 (3-sec peak gust in mph*):**


Risk Category I: 112
Risk Category II: 122
Risk Category III-IV: 132
MRI 10-Year:** 76
MRI 25-Year:** 86
MRI 50-Year:** 93
MRI 100-Year:** 99

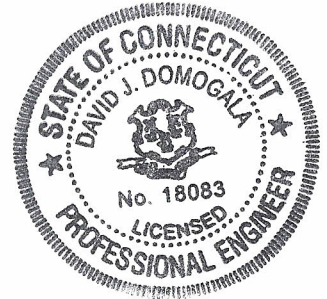
ASCE 7-05 Windspeed:
 99 (3-sec peak gust in mph)
ASCE 7-93 Windspeed:
 80 (fastest mile in mph)



*Miles per hour
 **Mean Recurrence Interval

Users should consult with local building officials to determine if there are community-specific wind speed requirements that govern.

 [Print your results](#)



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INTERNATIONAL CHIMNEY CORPORATION

Engineers & Contractors Since 1927

PO Box 260, Buffalo, NY 14231-0260 • 55 South Long Street, Williamsville, NY 14221

Phone (800) 828-1446 or (716) 634-3967 • Fax (716) 634-3983

www.internationalchimney.com



Hudson Design Group
1600 Osgood Street, Suite 3090 Bldg. 20N
North Andover, MA 01845

March 25, 2017
Our File # CT-44171-C

Attention: Mr. Andrey Tsikanovsky

Subject: Inspection Report
84' Buff Radial Brick on Octagonal Red Common Brick Pedestal
2047 Park St.
Hartford, CT.

Dear Mr. Tsikanovsky:

The chimney was visited on March 24, 2017 and the following observations were made and are documented with the accompanying photographs.

- The top 15' ± of the chimney column is in good condition.
- The remaining 59' ± of the radial column requires minor repair. 10% ± of the mortar joints are either open or near failing. There are also a few spalled brick (see photos 5, 6, 14, 22, and 28) some of the photos are of the same area with a different angle.
- The octagon common brick pedestal also has scattered open mortar joints 5% ±

If you have any questions or require further information, please contact the writer at 860/779-2380.

Sincerely,

INTERNATIONAL CHIMNEY CORPORATION

Roger W. Dumont

RWD: vld



REFERENCE PHOTO #5



REFERENCE PHOTO #6



REFERENCE PHOTO #14



REFERENCE PHOTO #22



REFERENCE PHOTO #28



Location **2074 PARK ST HARTFORD** Parcel ID **113-370-033**

Current Property Mailing Address

Owner 2074-2100 PARK STREET LLC	City HARTFORD
Address 2074 PARK ST SUITE 101	State CT
	Zip 06106-2051
	Zoning MS-2

Current Property Sales Information

Sale Date 5/23/2016	Legal Reference 07074-0270
Sale Price 10	Grantor(Seller) 2074-2100 PARK STREET LLC,

Two Year Prior Assessment History

Fiscal Year 2014	Fiscal Year 2015
Property Use 302	Property Use 302
Total Value 945,000	Total Value 945,000

Current Property Assessment

Fiscal Year 2016	Building Value 832,650
Land Area 1.165 acres	Land Value 186,900
	Total Value 1,027,530

2016 Grand List Revaluation Fair Market Value

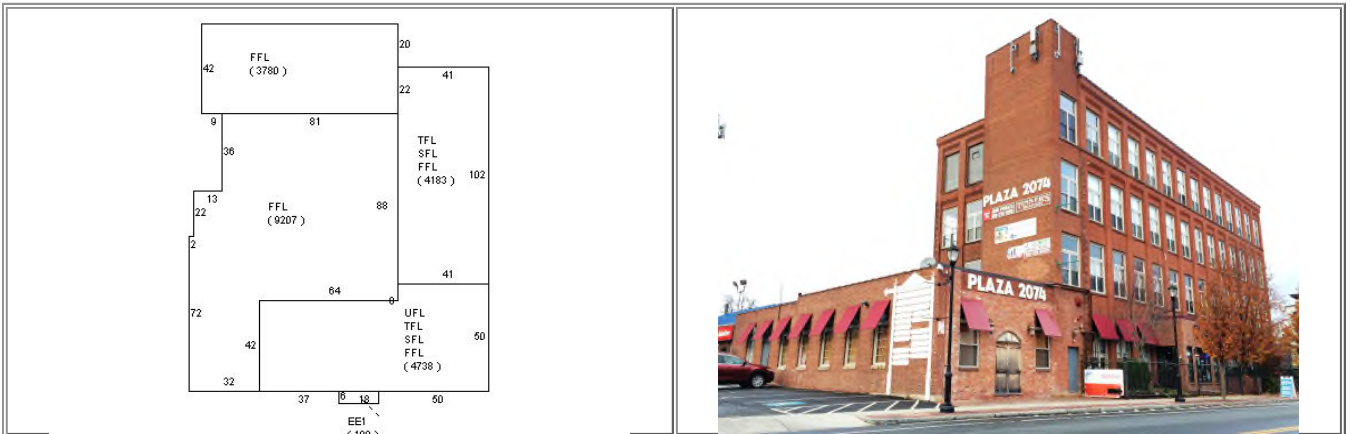
1,467,900

Narrative Description

This property contains **1.165 acres** of land mainly classified as **OFF/MANUFAC** with a(n) **MFG/PROCESS** style building, built about **1920** , having **Brick** exterior and **Tar & Gravel** roof cover, with **0** unit(s), **0** total room(s), **0** total bedroom(s), **0** total bath(s), **0** total half bath(s), **0** total 3/4 bath(s).

Legal Description

[Click Property Images to Enlarge](#)



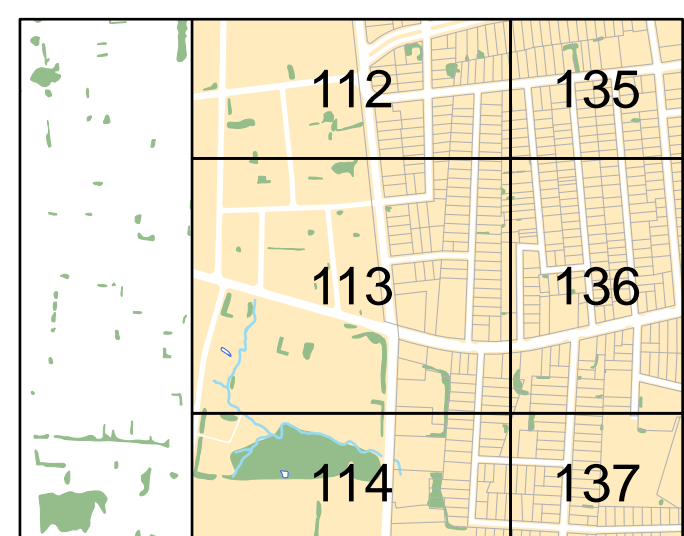


City of Hartford Assessor Map



Legend

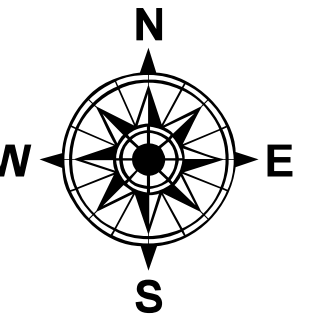
- Parcel ID
- Duplicate Parcel ID
- Exempt ID
- Building ID
- Air Right ID
- Parcels
- Tax Map Grid
- City Boundary Line
- Building
- Building Under Construction
- House Trailer
- Foundation
- Greenhouse
- Deck
- Pool
- Tunnel
- Trail
- Railroad
- Abandoned Railroad
- Fence
- Ruins
- Tree
- Hedge
- Vegetation
- 161507165 Parcel ID
- 7500 sf or Ac Parcel Area
- 88 Street Address
- 11-19 Condo Lot Range
- 11D Condo Unit
- Driveway and Parking Lot Paved
- Driveway and Parking Lot Unpaved
- Sidewalk
- Private Sidewalk and Steps
- Runway
- Bridge
- Road Edge Paved
- Road Edge Unpaved
- Wharf and Pier
- Fuel Tank
- Water Tank
- Golf Course
- Fairway
- Green
- Sand Trap
- Tee
- Swamp
- Water
- River or Stream



Key Map

DISCLAIMER:
 The planimetric and topographic information depicted on this map was compiled by The James Sewell Company and is based on an aerial flight performed in April 2006. In addition, the City's GIS staff has been updating limited planimetric features based on information on file in various City departments. The parcel and property information depicted on this map has been compiled from recorded deeds, maps, assessor records, and other public records on file in the City of Hartford. The intent of this map is to depict a graphical representation of real property information relative to the planimetric features for the City of Hartford and is subject to change as a more accurate survey may disclose. The City of Hartford and the mapping company assume no legal responsibility for the information contained in this data.

THIS MAP IS NOT TO BE USED FOR THE TRANSFER OF PROPERTY.
 Horizontal Datum: Connecticut State Plane Coordinates (NAD 83 feet)
 Vertical Datum: North American Vertical Datum (NAVD 88 feet)



Date: October 1, 2015



City of Hartford GIS Map

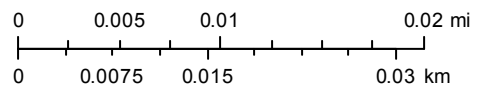


April 6, 2017

Address Points

Parcels

1:600



225 ✓

FOR OFFICE USE ONLY	
Plan Examination	
<input checked="" type="checkbox"/> Approved VH.	<input type="checkbox"/> Denied 1/21/98
Plan reviewer	Date
Fee Schedule	
Estimated cost	Fee
\$ 1 - \$ 1,000	\$ 16.00
\$ 16.00 per each additional thousand or fraction thereof.	
Actual Cost \$ <u>34,435</u>	Fee \$ <u>560</u>
Estimated Cost \$ <u>11</u>	Fee \$ <u>11</u>
Balance \$ _____	Fee \$ <u>-</u>
Bill no. _____	Date _____ By _____
File completed Date : <u>10-21-98</u>	By <u>Jd</u>

01-12-98 33017716 CHECK 560.00

NOV 04 1998

1080

Application For Electrical Permit	Application no. <u>980126</u>
Please print in ink or Type only. Begin with # 1 below.	Permit Number E-980206
DEPARTMENT OF LICENSES AND INSPECTIONS CITY OF HARTFORD 550 Main St. Hartford CT 06103	
1. LOCATION OF JOB	
<u>2074</u> No.	<u>PARK St.</u> Street
Floor no.	Building Name (if any)
2. Applicant : <u>Allen P. Bellefleur</u>	
(First name)	(Last name)
Address : <u>P.O. Box 894</u> <u>46 Kennedy Rd.</u>	
Phone : <u>SOUTH WINDSOR, CT 06074</u> <u>860 291 8265</u>	
3. Contractor : <u>Belco Elect.</u>	
Address : <u>Same as Above</u>	
Phone : _____	
License Type : <u>E-1</u> State <u>CT</u>	
License No. : <u>125363</u> Exp. dt. <u>9/30/98</u>	
4. Owner : <u>SNET</u>	
Address : <u>9 Hamilton St 2nd Floor</u> <u>NEW HAVEN, CT. 06510</u>	
Phone : <u>203 721-4699</u>	
5. Estimated construction cost : \$ <u>34,435.-</u>	
(Electrical work only) Fee : \$ <u>560</u>	

Please continue on reverse

Application For Electrical Permit (continued from reverse side)

6. Location of job : 2074 PARK ST.

No.	Street	Floor Number	Unit # / Tenant

<p>7. <u>Type of Building</u></p> <p><input type="checkbox"/> Residential</p> <p><input type="checkbox"/> Business</p> <p><input type="checkbox"/> Assembly</p> <p><input type="checkbox"/> Mercantile</p> <p><input type="checkbox"/> Educational</p> <p><input type="checkbox"/> Institutional</p> <p><input type="checkbox"/> Factory</p> <p><input type="checkbox"/> Storage</p> <p><input type="checkbox"/> Garage</p> <p><input type="checkbox"/> Mixed use</p> <p><small>(Other Please specify)</small></p>	<p>8. <u>Type of job</u></p> <p><input type="checkbox"/> New construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration</p> <p><input type="checkbox"/> Repair <input type="checkbox"/> Temporary <input type="checkbox"/> _____ <small>(Other Please specify)</small></p> <p>9. Type of construction _____ 10. Use group _____ 11. No. of stories _____</p> <p>12. Is this application associated with a building permit / application : Yes / No</p> <p>13. Current use and Occupancy : _____ Future use and Occupancy : _____</p> <p>14. Engineer Name: _____ Phone: _____ Address : _____</p>
--	---

15. Residential Building : Current number of dwelling unit(s) _____ Future number of dwelling unit(s) _____

16. Type of installation / Wiring method : _____

17. Size of main feeder : (Electrical rating) : _____

18. Number of light meters : _____	19. Number of power meters : _____
20. Number of light circuits : _____	21. Number of power circuits : _____
22. Number of motors : _____	23. Total horse power : _____
24. Number of panels : _____	25. Size of power feeders : _____
26. Number of switches : _____	27. Number of fixtures : _____
28. Number of heat circuits : _____	29. Air conditioning unit(s) : Yes / No.

Note : For electrical heat / loss : Please submit calculation sheet.

<p>30. Description of work : _____ (If any subcontractor please attach list.)</p> <p style="font-size: 1.2em; text-align: center;">Electrical wiring for</p> <p style="font-size: 1.2em;">Snet Cellulm Equipment Room . PROVIDE</p> <p style="font-size: 1.2em;">LIGHTNING PROTECTION PER NEC 1993. V.H.</p> <p style="font-size: 1.2em;">PROVIDE ADEQUATE SUPPORT FOR 60FT OF CABLING</p> <p style="font-size: 1.2em;">INSIDE CHIMNEY, V.H. 1/21/98</p>	Bin 936
--	---------

Make check payable to City of Hartford covering proper amount of fee (see fee schedule on reverse).
Present in Person: Your payment/check/This application/Necessary Licenses(s)/Proper Identification.
Please submit two copies of drawings for most jobs.

All work will be done in strict accordance with the LOCAL, STATE AND FEDERAL CODES.
All work covered by this application has been authorized by the owner of this property .

Signature of applicant : Ally Bell Date : 1/2/98 dwg. : received /attached (no)

Witnessed : _____
(Notary public) *

PP 1112198
office person
City of Hartford

IF NOT SIGNED BY NOTARY PUBLIC
PLEASE BRING PROPER PHOTO ID

ELECTRICAL INSPECTION REPORT
DEPARTMENT OF LICENSES & INSPECTIONS
CITY OF HARTFORD

Appl. Nbr. 980126

Permit Nbr. 980206

0000 2074 PARK ST

BUILDING:

FLOOR:

CONDO:

Joseph Hewes

Building Official

Date 01/21/98

OWNER: SNET .

ADDRESS: 4 HAMILTON ST
NEW HAVEN, CT 06510

Phone:

APPLICANT:

ALLEN BELLEFLEUR
BELCO ELECTRICAL CONTR
46 KENNEDY ROAD
SOUTH WINDSOR, CT 06074

PHONE: 291-8265

ESTIMATED COST: \$ 34435.00

Application Date: 01/12/98 . Fee: 560.00

CONTRACTOR LIC.: 125363, ELECTRICAL

DESCRIPTION OF JOB:

ELECTRICAL WIRING FOR SNET CELLULAR EQUIPMENT ROOM.
PROVIDE LIGHTNING PROTECTION PER NEC 1993. PROVIDE
ADEQUATE SUPPORT FOR 60 FT OF CABLING INSIDE
CHIMNEY. V.H. 1/21/98.

Work Completed

9/14/98
Date

Cost seems proper

YES
Yes or No

(If 'No' show cost below)

I estimate cost

Approx.

P. J. Hewes
Signature

CITY OF HARTFORD - DEPARTMENT OF LICENSES & INSPECTIONS

STATEMENT OF ACTUAL COST

September 17, 1998

Mr. Allen Bellefleur
Belco Electrical Contr.
46 Kennedy Road
South Windsor, Connecticut 06074,

Actual Cost \$ _____	Fee \$ _____
Est. Cost \$ _____	Fee \$ _____
Send Bill for Amt. Due	\$ _____
if Refund	
Refer to Supervisor	\$ _____
9-17-98	
Passed to App. by _____	Date _____

OWNER : Estate of Gabriel Levine

RE: Permit NBR.: 980206 1/21/98 TYPE: Electrical

ADDRESS : 2074 Park Street

THE WORK PERFORMED BY YOU AT THE ABOVE ADDRESS HAS BEEN REPORTED COMPLETED BY OUR INSPECTORS. YOU ARE REQUIRED BY LAW TO FURNISH THIS OFFICE INFORMATION ON THE ACTUAL COST OF STREET THE FINISHED JOB.

PLEASE INDICATE SAID COST IN THE SPACE PROVIDED BELOW, AND RETURN THIS STATEMENT TO THE DEPARTMENT OF LICENSES AND INSPECTIONS, 550 MAIN HARTFORD, CONNECTICUT 06103 WITHIN TEN DAYS. A RETURN ENVELOPE IS ENCLOSED FOR YOUR CONVENIENCE.

THANK YOU,

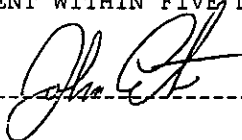


BUILDING OFFICIAL

.....TO BE COMPLETED BY PERMIT HOLDER.....

1. THE ACTUAL COST OF THE WORK REFERRED TO HEREIN WAS \$ ~~23710.00~~⁵⁰ 34435.00
2. IF YOUR ACTUAL COST FIGURE CANNOT BE FURNISHED BEFORE THE REQUIRED DATE, INDICATE BELOW THE EARLIEST DATE THE DEPARTMENT SHOULD RECEIVE THIS FIGURE, AND RETURN THIS STATEMENT WITHIN FIVE DAYS.

SIGNATURE OF PERMIT HOLDER



DATE:

9/17/98

VERIFICATION OF ACCURACY OF ACTUAL COST FIGURES MAY BE MADE AT ANY TIME BY THE BUILDING OFFICIAL THROUGH AN APPRAISAL OF THE WORK AT THE EXPENSE OF THE PROPERTY OWNER.



DIV. SITE ACQUISITION, LLC
 27 NORTHWESTERN DRIVE
 SALEM, NH 03079

BANK OF AMERICA

54-49
114

56651

Pay: *****Six hundred twenty-five dollars and no cents

DATE: January 20, 2017
 CHECK NO.: 56651
 AMOUNT: \$*****625.00

PAY
TO THE
ORDER
OF

Connecticut Siting Council
 10 Franklin Sq
 New Britain, CT 06051

Ann J. Mill

⑈056651⑈ ⑆011400495⑆ 000089877441⑈

CONN03 Connecticut Siting Council SAI DIV. SITE ACQUISITION, LLC 56651

DATE	INVOICE NO.	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
1-20-17	CR012017A	CT1199-CSC Filing Fe	625.00		625.00
CHECK DATE	1-20-17	CHECK NUMBER	56651	TOTALS	625.00
			625.00		625.00