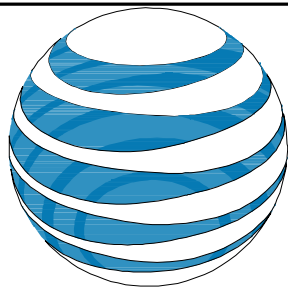




Know what's below.
Call before you dig.



NEW YORK LAW REQUIRES
THREE WORKING DAYS NOTICE PRIOR TO
ANY EARTH MOVING ACTIVITIES



at&t
mobility corp.

FA NUMBER: 14644751
PACE NUMBER: MRNYC050603
PROJECT TRACKING #: N-6353
SITE NAME: CALTON AVE

75 WHITE OAK STREET
NEW ROCHELLE, NY, 10801
CITY OF NEW ROCHELLE
WESTCHESTER COUNTY

SITE INFORMATION

SITE ADDRESS: 75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

LATITUDE (NAD 83): 40.926874°
LONGITUDE (NAD 83): -73.790064°

GROUND ELEVATION: 51.0' (AMSL)

JURISDICTION: CITY OF NEW ROCHELLE
WESTCHESTER COUNTY

BLOCK: 1556
LOT: 91

ZONING: RMF-1.3-MULTI FAMILY RESIDENTIAL

PARCEL/MAP NUMBER: 1000-000-005-01556-000-0091

PARCEL OWNER: 75 WHITE OAK ASSOCIATES ILLC
145 HUGUENOT STREET
NEW ROCHELLE, NY, 10801

STRUCTURE TYPE: BUILDING

STRUCTURE HEIGHT: 76.92' (AGL)

POWER/GAS SUPPLIER: TBD

TELCO SUPPLIER: TBD

PROJECT TEAM

APPLICANT: AT&T MOBILITY CORPORATION
ONE AT&T WAY
BEDMINSTER, NJ 07921

PROJECT MANAGEMENT FIRM: NETWORK BUILDING + CONSULTING, LLC.
1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 460-0122

A+E FIRM: NB&C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 460-0122

ENGINEER: TTK ENGINEERING DPC
6095 MARSHALEE DRIVE, SUITE 300
ELKRIDGE, MD 21075
(410) 712-7092

PLOT PLAN



DIRECTIONS

FROM ONE AT&T WAY, BEDMINSTER, NJ 07921: GET ON I-287 S FROM AT&T WAY AND US-202 SUS-206 S. HEAD SOUTH TOWARD AT&T WAY. SLIGHT RIGHT ONTO AT&T WAY. CONTINUE STRAIGHT TO STAY ON AT&T WAY. MERGE ONTO US-202 SUS-206 S. USE THE RIGHT LANE TO TAKE THE INTERSTATE 287 S RAMP TO INTERSTATE 78. TAKE I-78 E I-78 EXPRESS EPHILIPSBURG-NEWARK EXPY. I-95 N HENRY HUDSON PKWY AND CROSS COUNTY PKWY TO WEBSTER AVE IN NEW ROCHELLE. TAKE EXIT 16 FROM HUTCHINSON RIVER PKWY N. MERGE ONTO I-287 S. TAKE EXIT 21A TO MERGE ONTO I-78 E TOWARD NEW YORK CITY. KEEP LEFT AT THE FORK TO CONTINUE ON I-78 EXPRESS EPHILIPSBURG-NEWARK EXPY. KEEP LEFT TO STAY ON I-78 EXPRESS EPHILIPSBURG-NEWARK EXPY. KEEP LEFT TO STAY ON I-78 EXPRESS EPHILIPSBURG-NEWARK EXPY. TAKE THE EXIT TOWARD INTERSTATE 95 N. MERGE ONTO I-95 N. KEEP LEFT TO STAY ON I-95 N. FOLLOW SIGNS FOR G WASHINGTON BRIDGE. KEEP RIGHT TO STAY ON I-95 N. KEEP RIGHT AT THE FORK TO STAY ON I-95 N. FOLLOW SIGNS FOR GEORGE WASHINGTON BRIDGE/FORT LEE. USE THE RIGHT 2 LANES TO CONTINUE ON I-95 AND FOLLOW SIGNS FOR GW BRIDGE (LOWER LEVEL)/PAUSADES PARKWAY/US-9W. KEEP RIGHT TO STAY ON I-95. FOLLOW SIGNS FOR US-1 NUS-9 N/GEORGE WASHINGTON BRIDGE. CONTINUE ONTO US-1 NUS-9 N. CONTINUE ONTO I-95 LOWER LEVEL NUS-1 LOWER LEVEL N. USE THE MIDDLE LANE TO TAKE EXIT 1 TOWARD NY-9A N/STATE HWY 9A N/HENRY HUDSON PKWY. USE THE MIDDLE LANE TO FOLLOW SIGNS FOR H HUDSON PKWY/NY-9A. KEEP RIGHT. FOLLOW SIGNS FOR STATE HWY 9A N/HENRY HUDSON PKWY/RIVERSIDE DR. KEEP LEFT. FOLLOW SIGNS FOR PKWY NUPSTATE/NY-9A N AND MERGE ONTO NY-9A N/STATE HWY 9A N/HENRY HUDSON PKWY. CONTINUE ONTO HENRY HUDSON PKWY. CONTINUE ONTO SAW MILL RIVER PKWY N. TAKE EXIT 4 FOR CROSS COUNTY PKWY TOWARD HUTCHINSON PKWY. CONTINUE ONTO CROSS COUNTY PKWY. USE THE RIGHT LANE TO MERGE ONTO HUTCHINSON RIVER PKWY N. TAKE EXIT 16 FOR WEBSTER AVE TOWARD NEW ROCHELLE. CONTINUE ON WEBSTER AVE. TAKE NORTH AVE TO WHITE OAK ST. CONTINUE ONTO WEBSTER AVE. TURN LEFT ONTO ROSEHILL AVE. TURN RIGHT ONTO NORTH AVE. TURN RIGHT ONTO SUMMIT AVE. TURN RIGHT ONTO WHITE OAK ST.

CODE COMPLIANCE

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.

- 2018 INTERNATIONAL BUILDING CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2018 NFPA 101, LIFE SAFETY CODE
- 2020 FIRE CODE OF NEW YORK STATE
- 2017 NYS UNIFORM CODE SUPPLEMENT
- 2018 INTERNATIONAL FIRE CODE
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 15TH EDITION
- ANSI/TIA-222-H
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

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- 02 ROOFTOP PLAN
- 03 EQUIPMENT PLAN
- 04 ELEVATION
- 05 EQUIPMENT DETAILS
- 06 ANTENNA PLAN & SCHEDULE
- 07 RRH, ANTENNA & EQUIPMENT SPECIFICATIONS
- 08 CONSTRUCTION DETAILS
- 09 CONSTRUCTION DETAILS - SIGNAGE
- 10 UTILITY PLAN
- 11 ELECTRICAL PANEL SCHEDULE, DIAGRAM & NOTES
- 12 DC/FIBER SYSTEM DIAGRAM
- 13 DC WIRING DIAGRAM
- 14 GROUNDING PLAN & DETAILS
- 15 GROUNDING DETAILS & NOTES
- 16 PLATFORM & GAMMA SECTOR FRAMING PLAN
- 17 PLATFORM & GAMMA SECTOR PLAN VIEW
- 18 WALL ATTACHMENT DETAILS
- 19 STRUCTURAL DETAILS - I
- 20 ALPHA SECTOR MOUNT DETAILS
- 21 BETA SECTOR MOUNT DETAILS
- 22 GAMMA SECTOR MOUNT DETAILS
- 23 FIRE WALL WATERPROOFING DETAILS

DRAWING SCALE

THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"X34" AND HALF SIZE AT 11"X17". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

SCOPE OF WORK

THIS PROJECT CONSISTS OF:

- INSTALLING (1) PROPOSED WALK IN CABINET & (1) PROPOSED NATURAL GAS GENERATOR ON A PROPOSED 284 S.F. STEEL PLATFORM.
- INSTALLING (12) PROPOSED ANTENNA MODEL NNHH-65A-R4 AT AT&T ANTENNA LOCATION.
- INSTALLING (3) PROPOSED RRH 4T4R B12/14/29 AT AT&T ANTENNA LOCATION.
- INSTALLING (3) PROPOSED RRH 4T4R B25/66 AT AT&T ANTENNA LOCATION.
- INSTALLING (3) PROPOSED RRH 4T4R B5 AT AT&T ANTENNA LOCATION.
- INSTALLING (3) PROPOSED RRH 4T4R B30 AT AT&T ANTENNA LOCATION.
- INSTALLING (3) PROPOSED DC SURGE PROTECTOR MODEL DC12-48-60-0-25E AT AT&T EQUIPMENT LOCATION.
- INSTALLING (3) PROPOSED DC SURGE PROTECTOR MODEL DC6-48-60-18E AT AT&T ANTENNA LOCATION.
- INSTALLING (6) PROPOSED J-SOURCE (3) AT AT&T ANTENNA LOCATION
- INSTALLING (3) HOFFMAN BOXES AT AT&T EQUIPMENT LOCATION.
- INSTALLING (3) 2" INNERDUCT EACH CONTAINING (1) 18-PAIR FIBER AND (2) 3-PAIR DC CABLES FROM AT&T EQUIPMENT LOCATION TO AT&T ANTENNA LOCATION.

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 460-0122

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHALEE DRIVE, SUITE 300
ELKRIDGE, MD 21075
410-712-7092



CALTON AVE
N6353
FA# 14644751
PACE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

REVISIONS

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KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

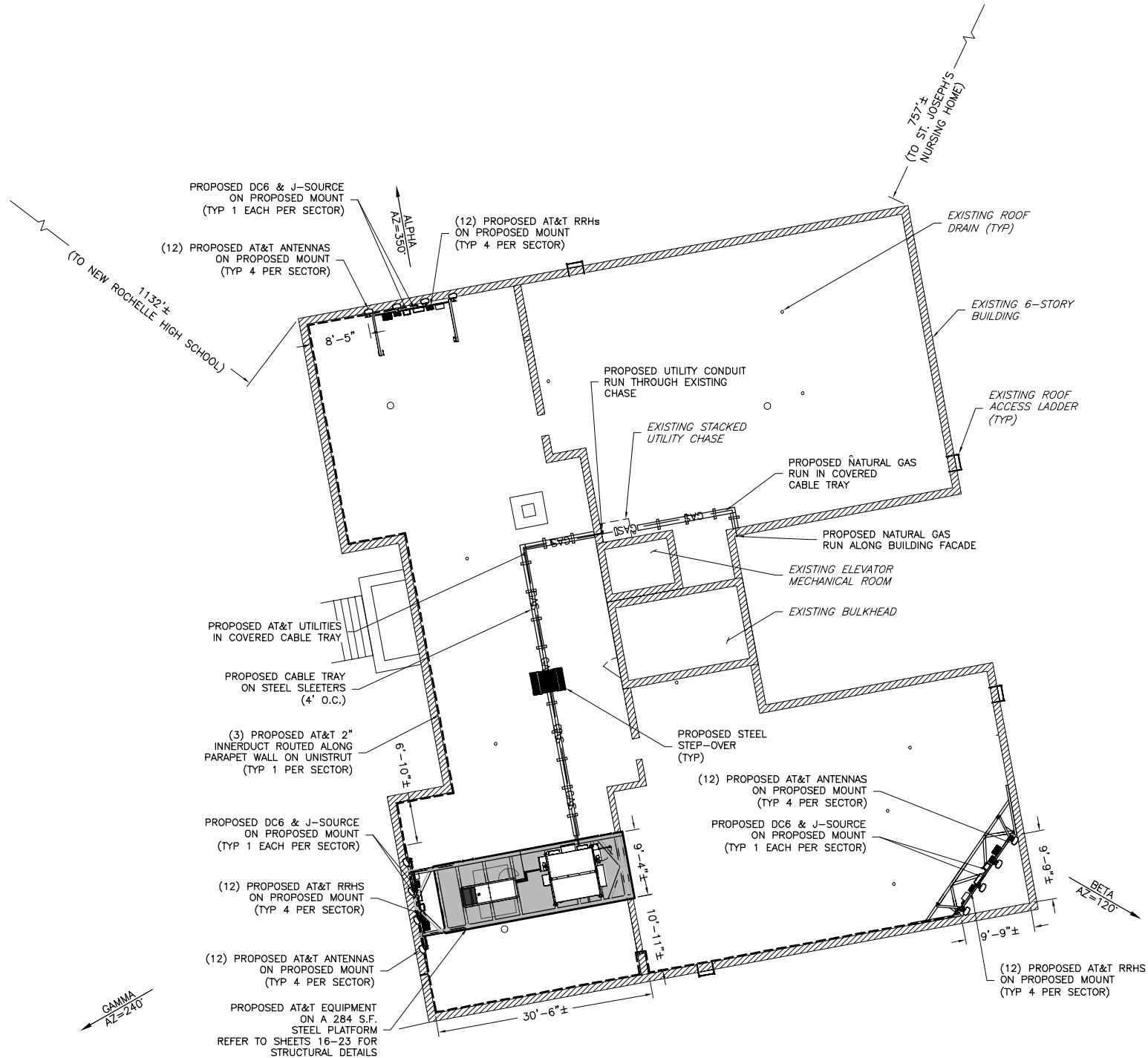
TITLE SHEET

ANT-001.00
1 OF 23

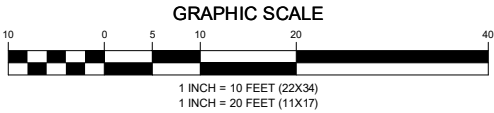
GENERAL NOTES

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE AT&T CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES AND NOTIFY UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION AT (800) 524-7603 PRIOR TO EXCAVATION AT SITE.
9. ANY UNDERGROUND UTILITIES OR STRUCTURES THAT EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
10. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
11. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
12. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
13. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
14. THERE ARE NO COMMERCIAL SIGNS PROPOSED FOR THIS INSTALLATION.
15. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
16. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
MAXIMUM SOIL LIFTS:
JUMPING JACK - 3"
CROWS FOOT TRENCH ROLLER - 6"
HOE OPERATED VIBRATORY PLATE - 8"
WHEELED VIBRATORY SOIL COMPACTOR - 12"
*LIFT HEIGHTS MAY NEED TO BE ADJUSTED DEPENDING ON SOIL TYPES AND MOISTURE CONTENT.
17. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY UTILITY OWNER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
18. THE AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE GRADED AND RESTORED PER CODE/LANDLORD REQUIREMENTS (REFER TO GRADING PLAN).
19. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE MUNICIPALITY.
20. UTILITY WARNING TAPE SHALL BE PLACED ABOVE ALL NEW CONDUITS AT MAX 18" DEPTH BELOW GRADE.

NOTE:
REFLECTIVE TAPE TO BE INSTALLED
ON CABLE TRAY.



1 ROOFTOP PLAN
A02
SCALE: 1" = 10' (22X34)
SCALE: 1" = 20' (11X17)



PROJECT MANAGER

NB+C
TOTALLY COMMITTED.
1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(281) 488-0122

ENGINEER

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHALLE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT



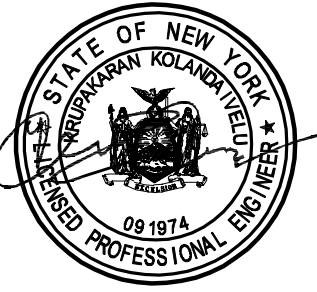
SITE INFORMATION

CALTON AVE
N6353
FA# 14644751
PACE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

DESIGN RECORD

REVISIONS			
REV	DATE	DESCRIPTION	BY
3	12/21/20	PERMIT READY	JH
2	12/14/20	REVISED PER COMMENTS	JH
1	06/01/20	REVISED PER COMMENTS	JMC
0	04/15/20	REVISED PER COMMENTS	KMD
A	03/09/20	PRELIMINARY CDs	KMD

PROFESSIONAL STAMP



ENGINEER

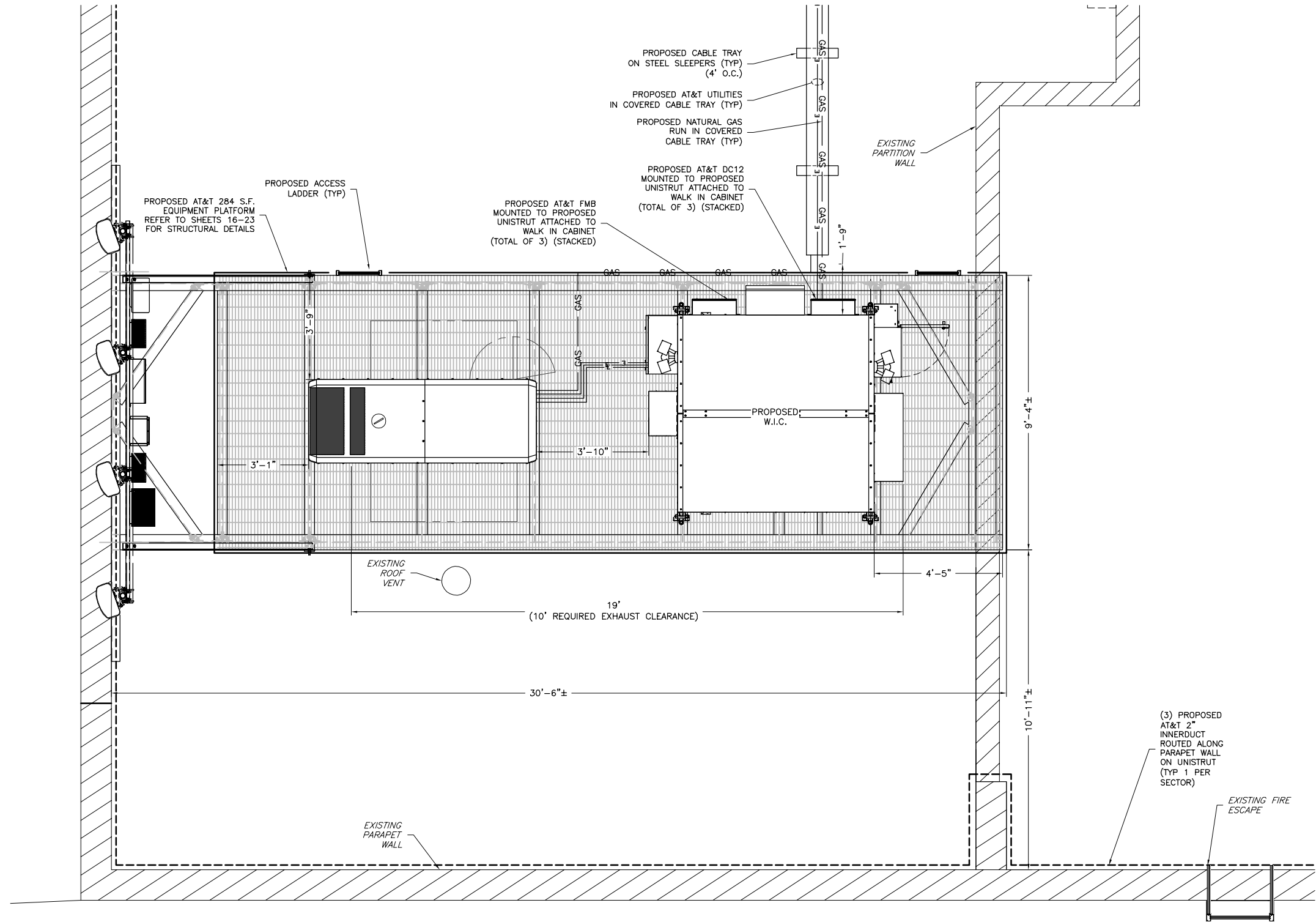
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

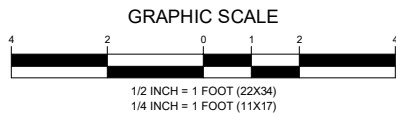
ROOFTOP
PLAN

SHEET NUMBER

ANT-002.00
2 OF 23



1 EQUIPMENT PLAN
A03
SCALE: 1/2" = 1' (22X34)
SCALE: 1/4" = 1' (11X17)



PROJECT MANAGER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(287) 488-0122

ENGINEER

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795

6095 MARSHALLEE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT

 **at&t**
mobility corp.

SITE INFORMATION

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A	03/09/20	PRELIMINARY CDs	KMD

PROFESSIONAL STAMP



ENGINEER

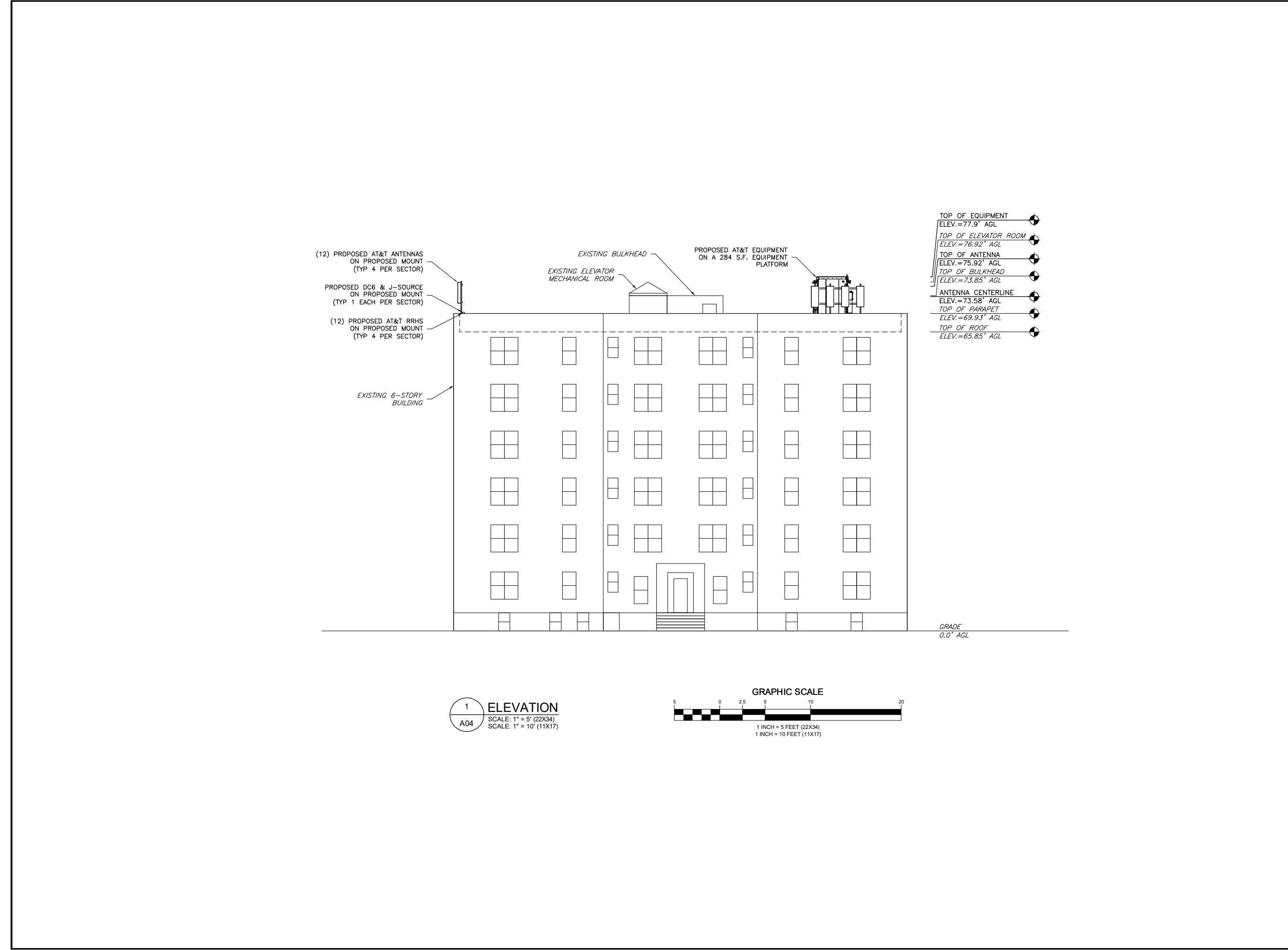
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

**EQUIPMENT
PLAN**

SHEET NUMBER

ANT-003.00
3 OF 23



PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION


DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER




TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 488-0122

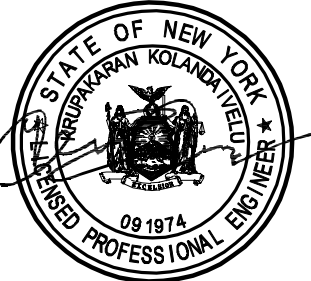
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6095 MARSHALLEE DRIVE, SUITE 300
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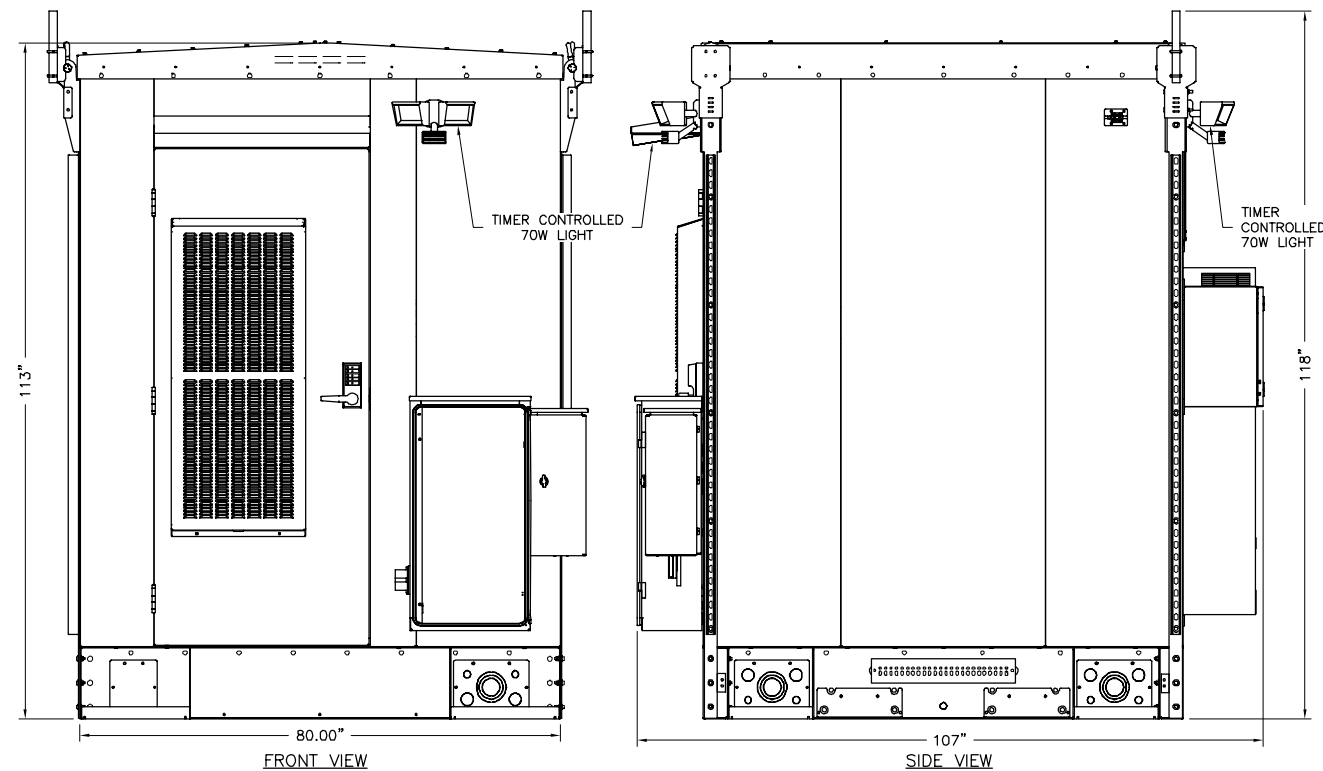
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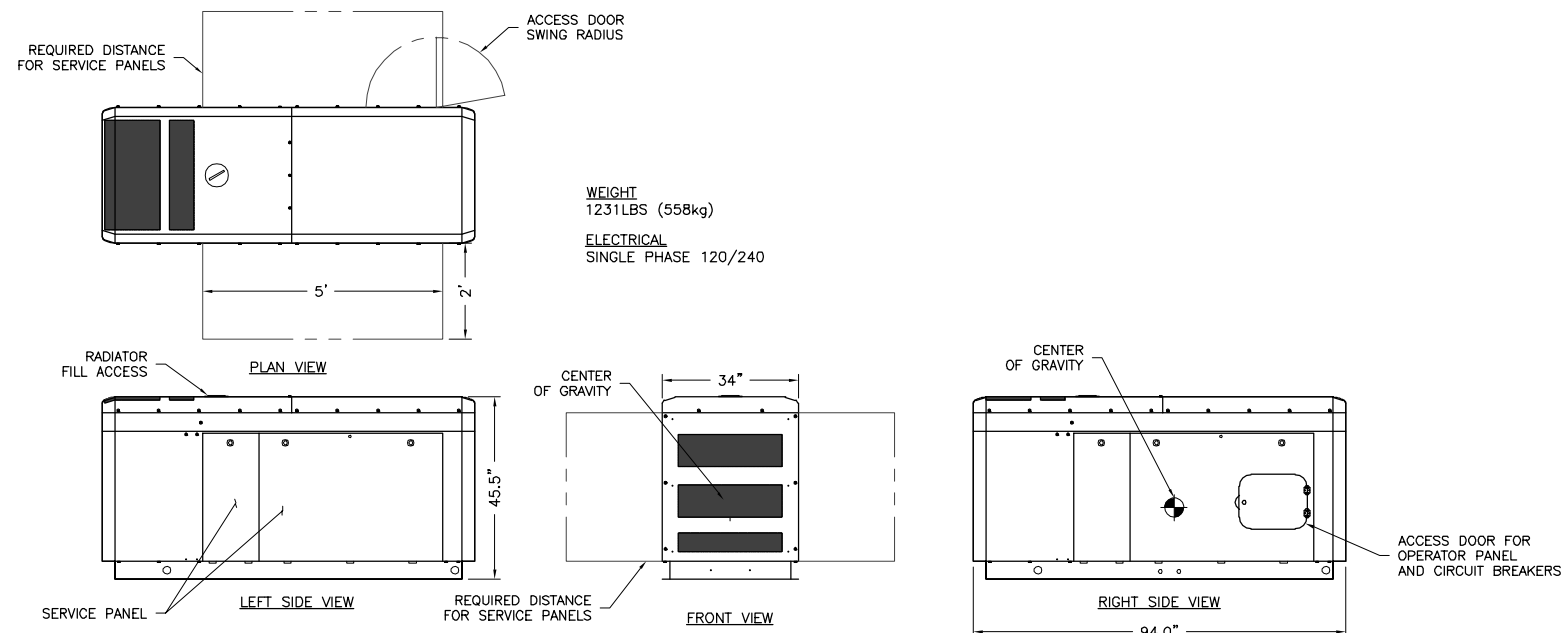
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

ELEVATION

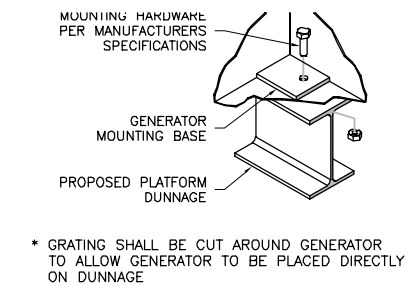
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4 OF 23



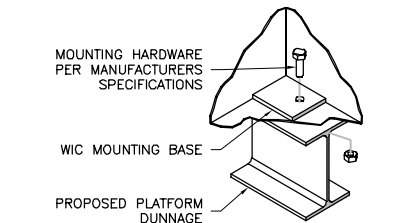
1 WALK IN CABINET
A05 NTS



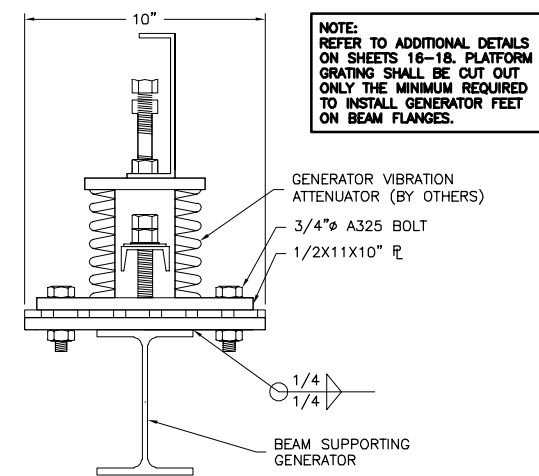
2 CUMMINS 30kW NATURAL GAS GENERATOR
A05 NTS






3 GENERATOR MOUNTING
A05 NTS

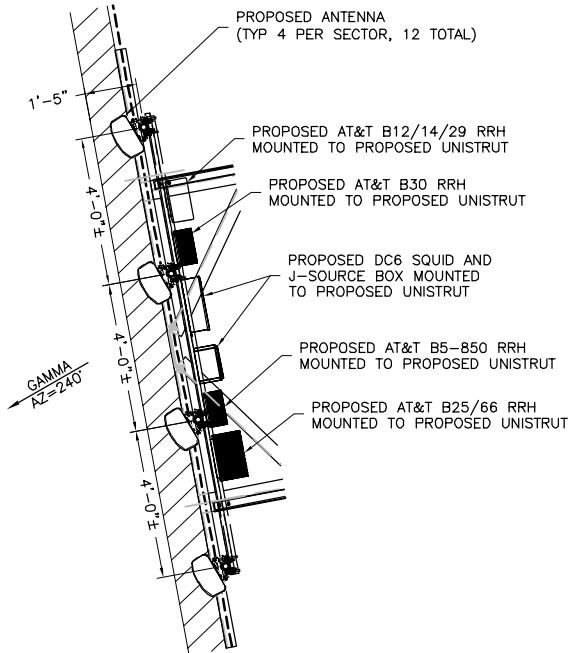
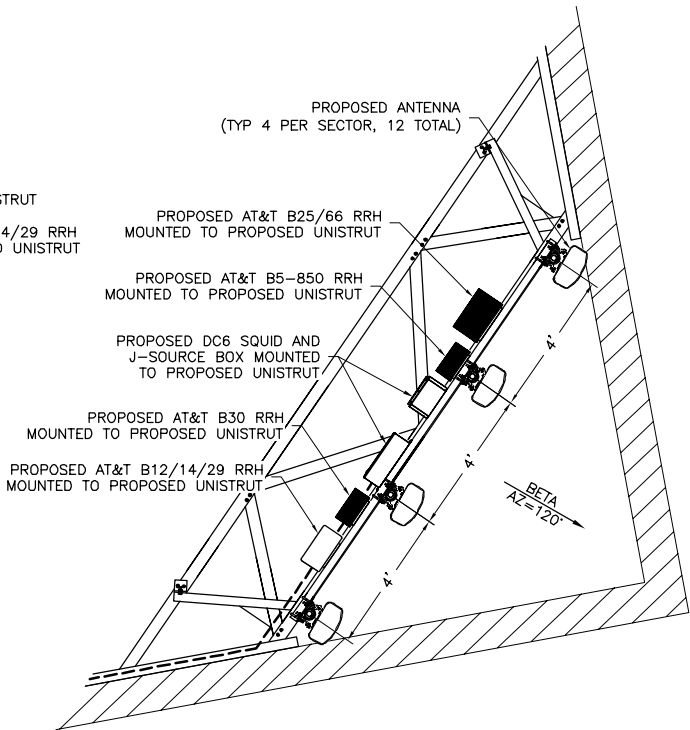
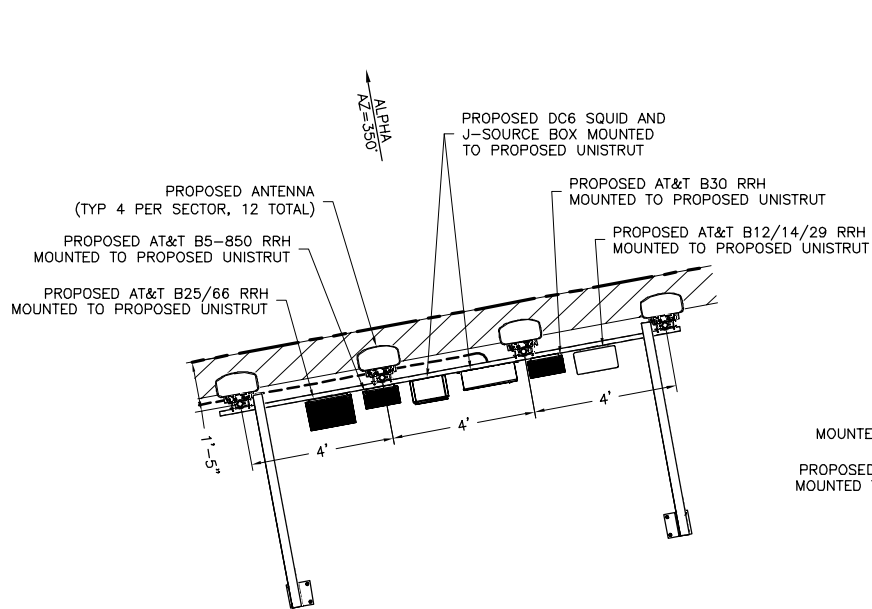


4 WIC MOUNTING DETAIL
A05 NTS



5 GENERATOR VIBRATION ATTENUATOR DETAIL
A05 NTS

PROJECT MANAGER	 <p>TOTALLY COMMITTED.</p> <p>1777 SENTRY PARKWAY WEST VEVA 17, SUITE 400 BLUE BELL, PA 19422 (267) 488-0122</p>																												
ENGINEER	<p>TKK ENGINEERING DPC PSC #123266 NY CERTIFICATION OF AUTHORIZATION NO. 0016795 6095 MARSHLEE DRIVE, SUITE 300 ELK RIDGE, MD 21075 410-712-7092</p>																												
APPLICANT																													
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ENGINEER	<p>KRUPAKARAN KOLANDAIVELU, P.E. STATE OF NEW YORK PROFESSIONAL ENGINEER LICENSE #091974</p>																												
SHEET TITLE	<p>EQUIPMENT DETAILS</p>																												
SHEET NUMBER	<p>ANT-005.00 5 OF 23</p>																												



1 ANTENNA MOUNTING PLAN
A06 NTS

ANTENNA AND RRH SCHEDULE						
SECTOR	ANTENNA MODEL	TECHNOLOGY	AZIMUTH	ANTENNA HEIGHT	DIPLEXER/TMA MODEL	RRH MODEL
ALPHA	NNHH-65A-R4-V2	LTE 70, LTE 1900, LTE AWS	350°	73.58'	-	(1) RRH 4T4R B12/14/29 (1) RRH 4T4R B25/66
	NNHH-65A-R4-V2	LTE	350°	73.58'	-	N/A
	NNHH-65A-R4-V2	LTE	350°	73.58'	-	N/A
	NNHH-65A-R4-V2	5G 850 LTE WCS	350°	73.58'	-	(1) RRH 4T4R B30 (1) RRH 4T4R B5
BETA	NNHH-65A-R4-V2	LTE 70, LTE 1900, LTE AWS	120°	73.58'	-	(1) RRH 4T4R B12/14/29 (1) RRH 4T4R B25/66
	NNHH-65A-R4-V2	LTE	120°	73.58'	-	N/A
	NNHH-65A-R4-V2	LTE	120°	73.58'	-	N/A
	NNHH-65A-R4-V2	5G 850 LTE WCS	120°	73.58'	-	(1) RRH 4T4R B30 (1) RRH 4T4R B5
GAMMA	NNHH-65A-R4-V2	LTE 70, LTE 1900, LTE AWS	240°	73.58'	-	(1) RRH 4T4R B12/14/29 (1) RRH 4T4R B25/66
	NNHH-65A-R4-V2	LTE	240°	73.58'	-	N/A
	NNHH-65A-R4-V2	LTE	240°	73.58'	-	N/A
	NNHH-65A-R4-V2	5G 850 LTE WCS	240°	73.58'	-	(1) RRH 4T4R B30 (1) RRH 4T4R B5

CABLE COUNT	
QUANTITY	CABLE TYPE
6	6 CONDUCTOR (3 PR) 3/4" DC CABLE
3	36 FIBER (18 PR) 10MM FIBER
3	2" INNERDUCT

	LTE 1900	LTE AWS	LTE WCS	LTE 700	LTE 700B14	LTE 700DE	850 NR
ERP (W)	923	989	750	394	394	248	432
TX Frequency	1930-1995 MHz	2110-2200 MHz	2350-2360 MHz	729-745 MHz	758-768 MHz	716-728 MHz	869-894 MHz
RX Frequency	1850-1915 MHz	1710-1780 MHz	2305-2315 MHz	699-715 MHz	788-798 MHz		824-849 MHz
Modulation Scheme/Emission Designator	5MHz BW: 4M84F9W 10 MHz BW: 9M65F9W 15MHz BW: 14M5F9W 20 MHz BW: 19M3F9W	5MHz BW: 4M84F9W 10 MHz BW: 9M65F9W 15MHz BW: 14M5F9W 20 MHz BW: 19M3F9W	5MHz BW: 4M50F9W 10MHz BW: 8M92F9W	B12: LTE 5, 10; NR B14: LTE 5, 10; NR B29: LTE 5, 10; NR	B12: LTE 5, 10; NR B14: LTE 5, 10; NR B29: LTE 5, 10; NR	B12: LTE 5, 10; NR B14: LTE 5, 10; NR B29: LTE 5, 10; NR	5MHz BW: 5M00F9W ; NR 10 MHz BW: 10M0F9W; NR

PROJECT MANAGER

NB+C

TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 488-0122

ENGINEER

TKK ENGINEERING DPC

PSC #123266

NY CERTIFICATION OF

AUTHORIZATION NO. 0016795

6095 MARSHALLEE DRIVE, SUITE 300
ELKBRIDGE, MD 21075
410-712-7092

APPLICANT

at&t

mobility corp.

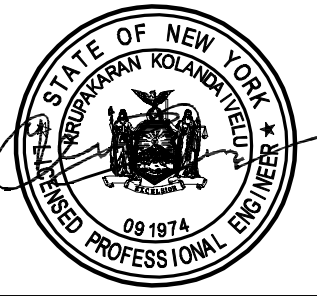
SITE INFORMATION

CALTON AVE
N6353
FA# 14644751
PACE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

DESIGN RECORD

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A	03/09/20	PRELIMINARY CDs	KMD
REV	DATE	DESCRIPTION	BY

PROFESSIONAL STAMP



ENGINEER

KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

ANTENNA PLAN
& SCHEDULE

SHEET NUMBER

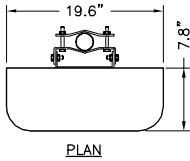
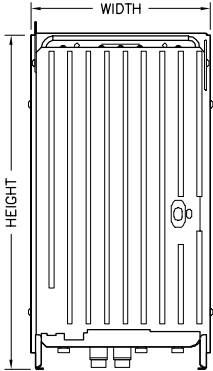
ANT-006.00
6 OF 23

SIZE AND WEIGHT TABLE

RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
AIRSCALE DUAL RRH 4T4R B12/14/29 370W	14"	7.8"	24.0"	94.8 LBS

NOTE:
DIMENSIONS DO NOT INCLUDE MOUNTING BRACKET AND SOLAR SHIELD.

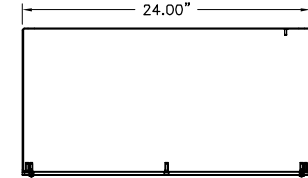
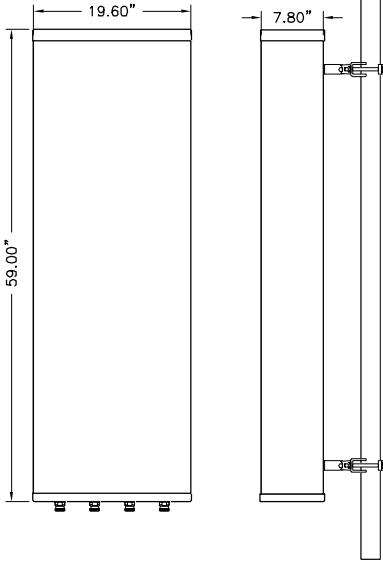
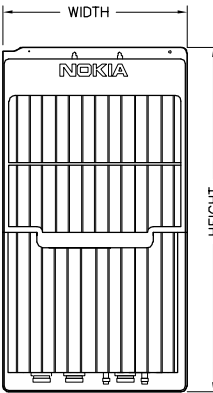
1
A07
REMOTE RADIO HEAD (RRH)
NTS



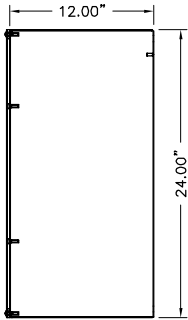
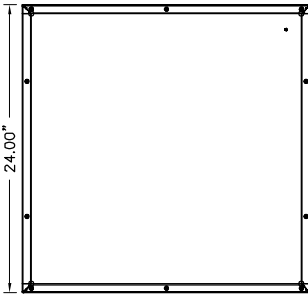
ANTENNA WEIGHT:
68.3 LBS

RRH	WIDTH	DEPTH	HEIGHT	WEIGHT
AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB	15.35"	9.44"	28.74"	88.1 LBS

2
A07
REMOTE RADIO HEAD (RRH)
NTS



MANUFACTURER: HOFFMAN
MODEL: ASE24X24X12SSNK

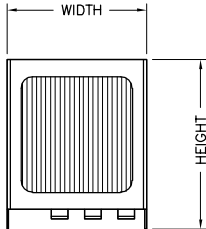


SIZE AND WEIGHT TABLE

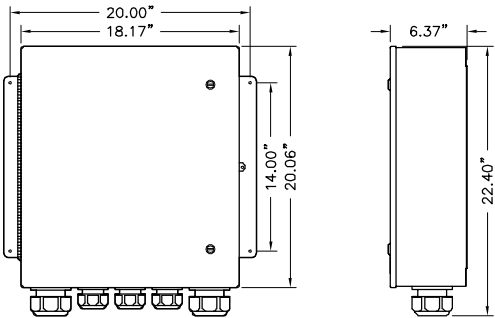
RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
4T4R B5 160W AHCA	11.6"	6.4"	13.2"	36 LBS
4T4R B30 100W AHNA	12.05"	5.51"	13.25"	34.17 LBS

NOTE:
DIMENSIONS DO NOT INCLUDE MOUNTING BRACKET AND SOLAR SHIELD.

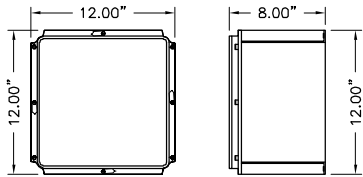
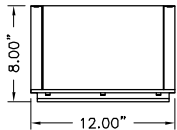
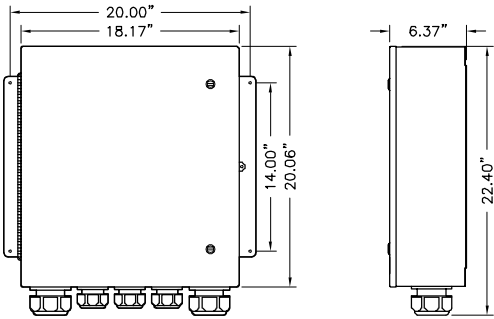
3
A07
REMOTE RADIO HEAD (RRH)
NTS



5
A07
COMMSCOPE NNHH-65A-R4-V2
NTS

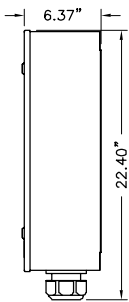


6
A07
FIBER MANAGEMENT BOX
NTS

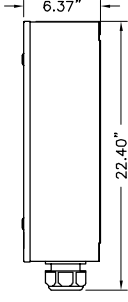


4
A07
J-SOURCE FIBER BOX
NTS

7
A07
DC6-48-60-18 SURGE PROTECTION BOX
NTS



8
A07
DC12-48-60-0-25E SURGE PROTECTION BOX
NTS



PROJECT MANAGER

NB+C

TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 486-0122

ENGINEER

TKK ENGINEERING DPC

PSC #123266

NY CERTIFICATION OF
AUTHORIZATION NO. 0016795

6095 MARSHALLE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT

at&t

mobility corp.

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A	03/09/20	PRELIMINARY CDs	KMD

PROFESSIONAL STAMP

STATE OF NEW YORK

KRUPAKARAN KOLANDAIVELU

REGISTERED PROFESSIONAL ENGINEER

09 1974

ENGINEER

KRUPAKARAN KOLANDAIVELU, P.E.

STATE OF NEW YORK

PROFESSIONAL ENGINEER

LICENSE #091974

SHEET TITLE

RRH, ANTENNA &
EQUIPMENT
SPECIFICATIONS

SHEET NUMBER

ANT-007.00

7 OF 23

CONCRETE GENERAL NOTES

1. ALL CONCRETE WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 301 AND ACI 318 (LATEST EDITION) UNLESS OTHERWISE SPECIFIED.
2. REINFORCING STEEL FOR CAST-IN-PLACE CONCRETE SHALL CONFORM TO ASTM A615, GR60, EXCEPT REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
3. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES, ACI 315.
4. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4,000 PSI AT 28 DAYS U.N.O.
5. PRODUCED CONCRETE SHALL HAVE A SLUMP OF 4" OR LESS IF CONSOLIDATION IS TO BE DONE BY VIBRATION AND 5" OR LESS IF CONSOLIDATION IS TO BE DONE BY METHODS OTHER THAN VIBRATION. A TOLERANCE OF 1" ABOVE THE INDICATED MAXIMUM SHALL BE ALLOWED FOR INDIVIDUAL BATCHES PROVIDED THE AVERAGE FOR ALL BATCHES OR MOST RECENT 10 BATCHES TESTED, WHICHEVER IS FEWER, DOES NOT EXCEED MAX LIMIT.
6. CONCRETE SHALL BE AIR-ENTRAINED AND SHALL CONFORM TO THE AIR CONTENT LIMITS OF THE FOLLOWING TABLE AS MEASURED BY ASTM C231 OR ASTM C138.

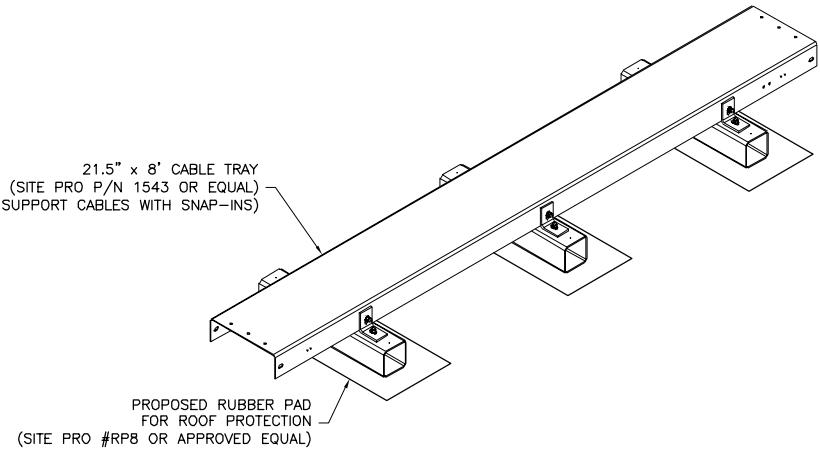
NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE, IN	SIZE NUMBER	TOTAL AIR CONTENT PERCENT OF VOLUME
3/8	8	6-10
1/2	7	5-9
3/4	67	4-8
1	57	3.5-6.5
1-1/2	467	3-6
2	357	2.5-5.5
3	-	1.5-4.5

7. CONCRETE CURING SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF ACI 308.
8. CONCRETE IN COLD AND HOT WEATHER SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND THE LATEST EDITION OF ACI 306R AND ACI 305R RESPECTIVELY.
9. TEST CYLINDERS SHALL BE TAKEN AS A REPRESENTATIVE SAMPLE OF CONCRETE PLACED AS REQUIRED BY ACI 301. CYLINDERS TO BE BROKEN ON DAY 7, 14, AND 28.
10. TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT/ENGINEER, UNLESS NOTED OTHERWISE.
11. NORMAL WEIGHT CONCRETE (150 PCF) SHALL BE USED WITH A 1" MAX COURSE AGGREGATE CONFORMING TO ASTM C33.
12. CHAMFER ALL EXTERNAL EXPOSED CORNERS OF CONCRETE WITH 3/4" 45-DEGREE CHAMFER U.N.O.
13. UNLESS NOTED OTHERWISE, CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

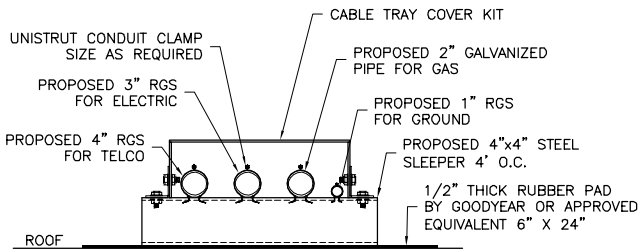
A. CONCRETE CAST AGAINST EARTH - 3"

B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER - 2"
14. ALL REINFORCING BAR SPLICES SHALL BE CLASS "13" TENSION LAP SPLICES, IN ACCORDANCE WITH ACI 318, CHAPTER 12, U.N.O.
15. STAGGER SPLICES IN REBAR, IN ACCORDANCE WITH ACI 318. FOLLOWING SHALL BE THE MINIMUM LAP SPLICES AND OVERLAPPING LENGTHS.

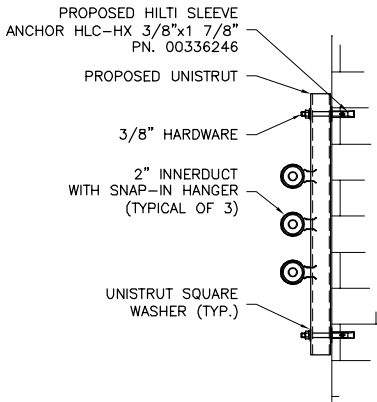
REBAR TABLE				
BAR SIZE	MIN. LAP SPLICE		MIN. DEVELOPMENT LENGTH	
	TOP BAR (INCHES)	OTHER BAR (INCHES)	TOP BAR (INCHES)	OTHER BAR (INCHES)
#4	20	16	16	12
#5	24	18	18	14
#6	29	22	22	17
#7	42	32	32	25
#8	48	37	37	28
#9	60	46	46	35
#10	74	57	57	44
#11	88	68	68	52



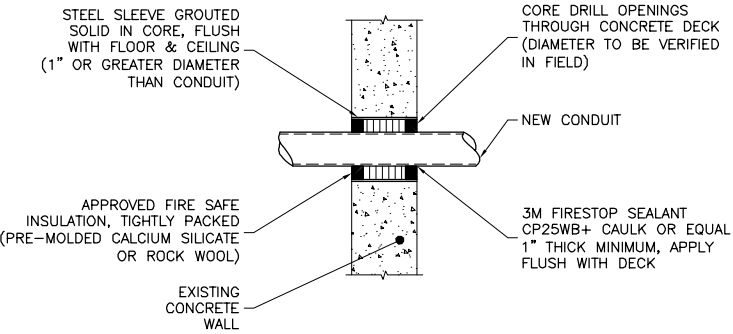
1
A08
ROOFTOP CABLE TRAY SECTION
NTS



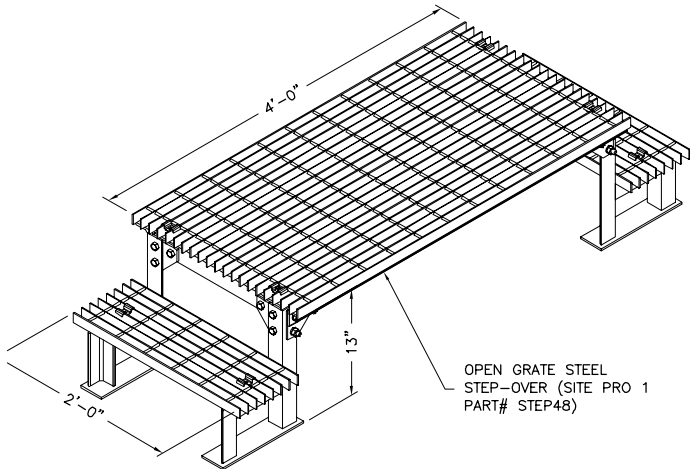
3
A08
ROOF TOP CONDUIT DETAIL
SCALE: 1 1/2" = 1'



2
A08
WALL MOUNTED INNERDUCT DETAIL
NTS



4
A08
CONCRETE WALL PENETRATION DETAIL
NTS



5
A08
OPEN GRATE STEEL STEP-OVER
NTS

PROJECT MANAGER



ENGINEER

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHALLE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT



SITE INFORMATION

CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

DESIGN RECORD

REVISIONS

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0	04/15/20	REVISED PER COMMENTS	KMD
A	03/09/20	PRELIMINARY CDs	KMD

PROFESSIONAL STAMP



ENGINEER

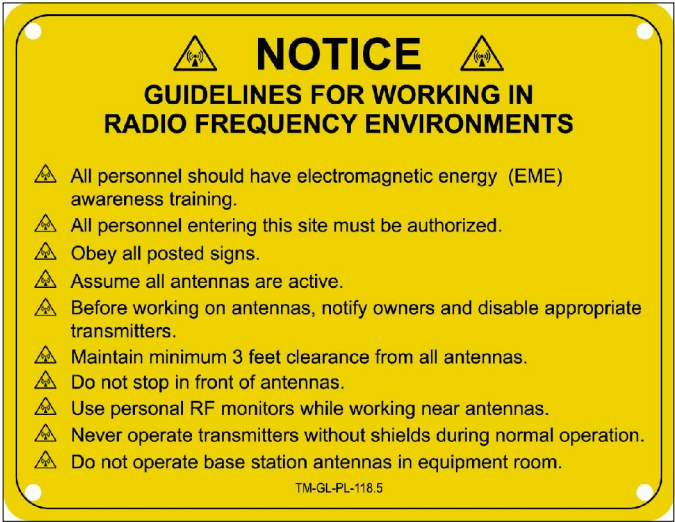
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

CONSTRUCTION
DETAILS

SHEET NUMBER

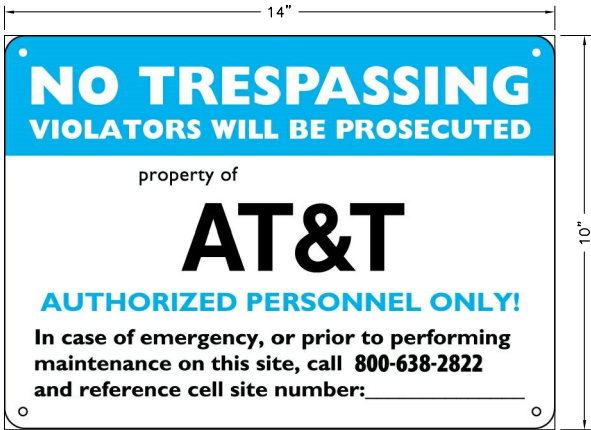
ANT-008.00
8 OF 23



1 RF NOTICE SIGN AND GUIDELINES
Δna NTS



2 RADIO FREQUENCY SIGN
A09 NTS MOUNTED MINIMUM OF 3' BELOW ANTENNA



3 CONTACT SIGN
Δna NTS MOUNTED ON ROOFTOP ACCESS DOOR

PROJECT MANAGER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 488-0122

ENGINEER

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PSC #123266
NY CERTIFICATION OF
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ELKBRIDGE, MD 21075
410-712-7092

APPLICANT

**at&t**
mobility corp.

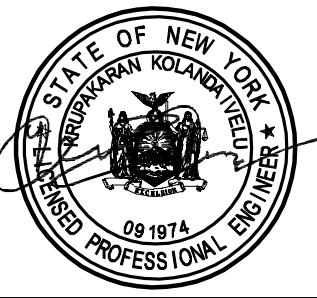
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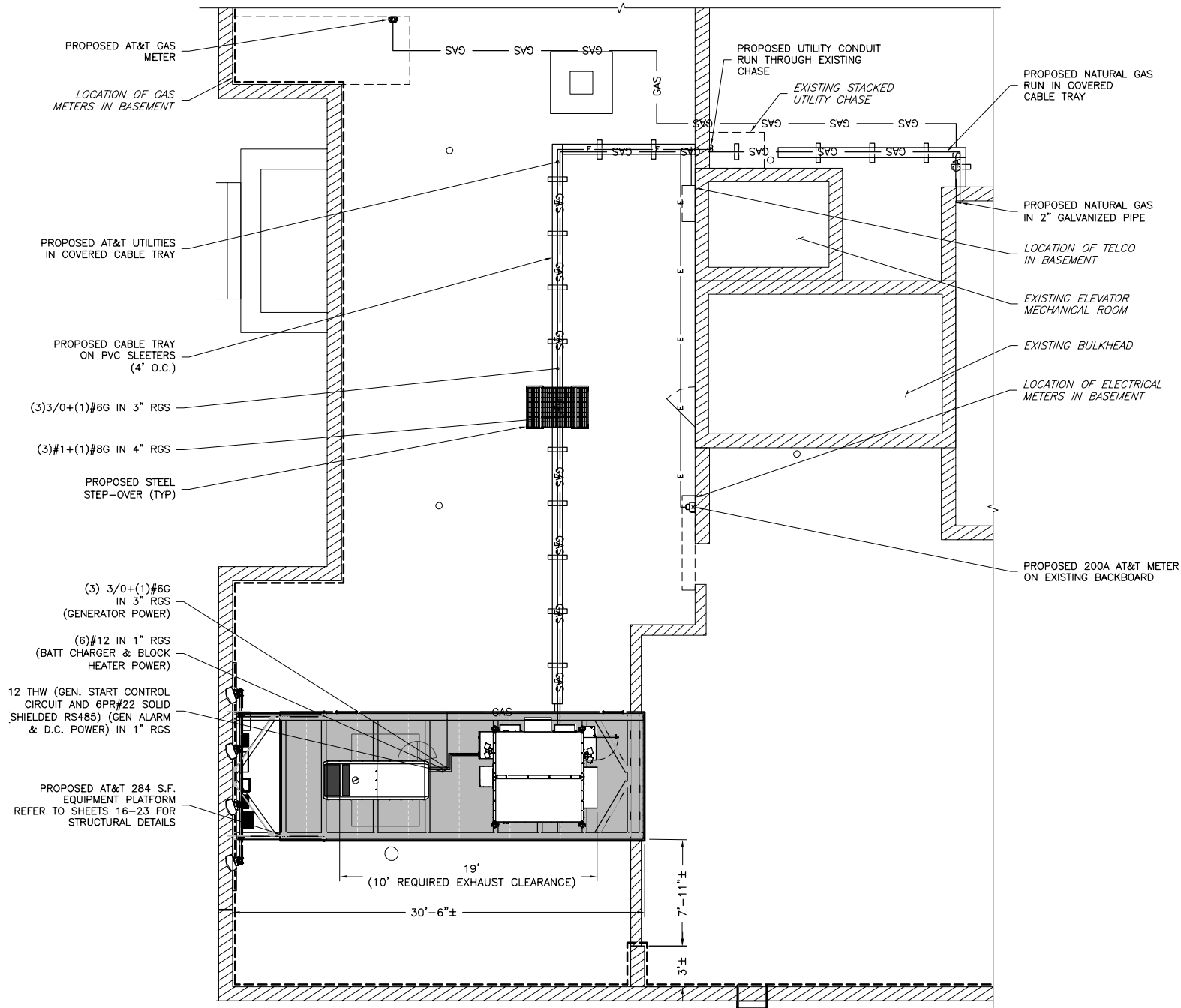
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

CONSTRUCTION
DETAILS-
SIGNAGE

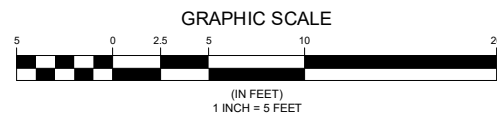
SHEET NUMBER

ANT-009.00
9 OF 23



1
A10

UTILITY PLAN
SCALE: 1" = 5'



Know what's below.
Call before you dig.

PROJECT MANAGER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(281) 488-0122

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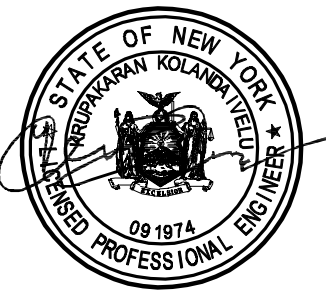
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ENGINEER

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STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

UTILITY PLAN

SHEET NUMBER

ANT-010.00
10 OF 23

ELECTRICAL NOTES

1. SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
9. ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
10. PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
11. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
12. ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C).
13. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
14. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.
15. CONDUIT:

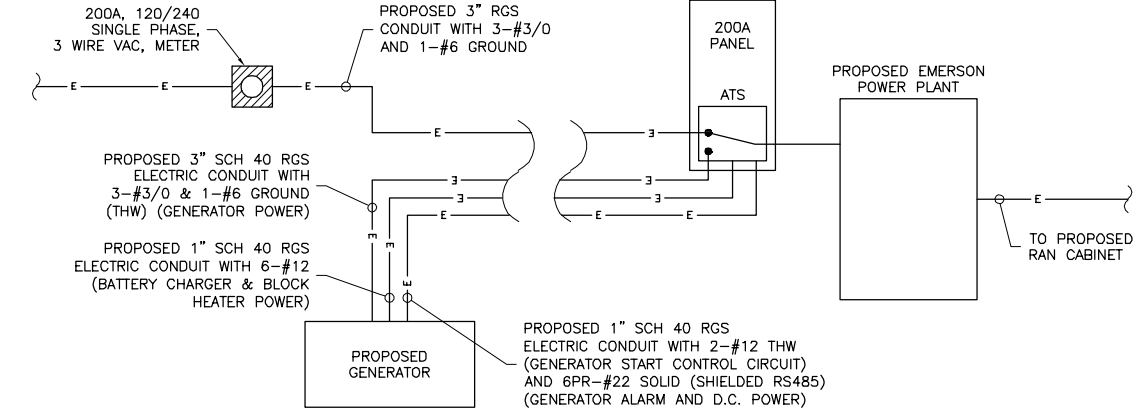
A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.

B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

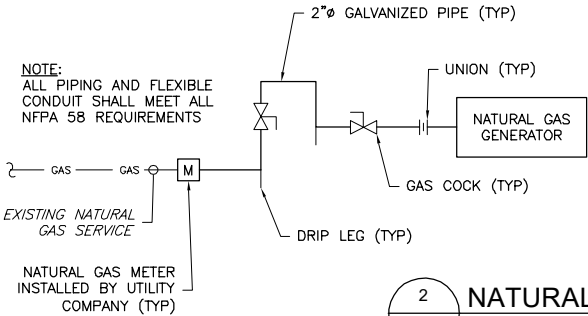
C. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.

D. CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.

E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
17. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
18. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
19. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.
20. COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
21. VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK. MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.
22. RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.



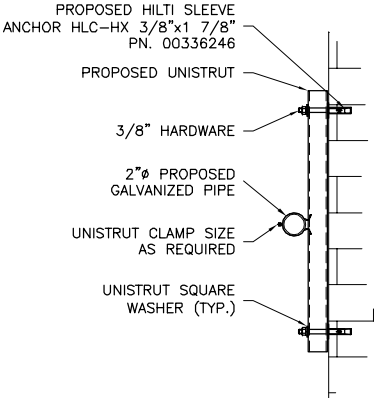
1 POWER DIAGRAM
A11 NTS



2 NATURAL GAS RISER DIAGRAM
A11 NTS

- NOTES:
1. GAS PRESSURE MUST TEST BETWEEN 6 AND 14 INCHES OF H2O WHILE ALL UNDER FULL DEMAND.
2. BLACK IRON PIPE SHALL CONFORM TO ASTM A53.
3. ALL PIPING SHALL BE INSPECTED & TESTED PURSUANT TO SEC 406 INTERNATIONAL FUEL & GAS CODE.
4. DRIP LEGS ARE REQUIRED FOR THIS PROJECT.
5. PRIOR TO CONSTRUCTION, EXISTING PIPING SHALL BE CHECKED TO DETERMINE IF IT HAS PROPER CAPACITY FOR ALL APPLIANCES SERVED. THE EXISTING SYSTEM SHALL BE ENLARGED IF REQUIRED.
6. CHANGES IN DIRECTION SHALL BE MADE BY FACTORY FITTINGS.
7. DESIGN & CONSTRUCTION TO CONFORM TO INTERNATIONAL FUEL & GAS CODE.

NOTE:
1. LABEL ANY TRAYS THAT CONTAIN ELECTRIC CONDUITS WITH VOLTAGE.
2. LABEL EQUIPMENT ON ROOF THAT CONTAINS HAZARDS. (SUCH AS BATTERIES OR OTHER ELECTRIC EQUIPMENT)



3 GAS CONDUIT DETAIL
A11 NTS

INTEGRATED LOAD CENTER																										
LOAD				LOAD PER PHASE (VA)		WIRE COLOR	LOADS CONTINUOUS	LOADS NON-CONTINUOUS	LOADS SUB-PANEL	WIRE SIZE	GROUNDING WIRE SIZE	TRIP	TRIP	GROUNDING WIRE SIZE	WIRE SIZE	LOADS SUB-PANEL	LOADS NON-CONTINUOUS	LOADS CONTINUOUS	WIRE COLOR	LOAD PER PHASE (VA)		LOAD				
DESCRIPTION	QTY.	UNIT V.A.	PHASE		PHASE															UNIT V.A.	QTY.	DESCRIPTION				
			A	B	A																		B			
1	RECTIFIER #1	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8			X	BLK	1400		1400	1	RECTIFIER #5	2	
3		1	1400		1400	RED																	RED			1400
5	RECTIFIER #2	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8			X	BLK	1400		1400	1	RECTIFIER #6	6	
7		1	1400		1400	RED																	RED			1400
9	RECTIFIER #3	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8			X	BLK	1400		1400	1	RECTIFIER #7	10	
12		1	1400		1400	RED																	RED			1400
13	RECTIFIER #4	1	1400	1400		BLK	X			8	(10)	40	40	(10)	8			X	BLK	1400		1400	1	RECTIFIER #8	14	
15		1	1400		1400	RED																	RED			1400
17						BLK													BLK						18	
19						RED	X			12	12	20							RED						20	
21	GFCI RECEPTACLES	2	180	360		BLK	X			12	(12)	20							BLK						22	
23	OPTIONAL FIBER BOX RECEPTACLE	1	180		180	RED	X			12	12	20							RED						24	
25	BATTERY CHARGER	1	240	240		BLK	X			12	12	20							BLK						26	
27	BLOCK HEATER	1	1500		1500	RED	X			12	12	20							RED						28	
29	OIL HEATER	1	180	180		BLK	X			12	12	20							BLK						30	
		SUBTOTAL CONTINUOUS		6,380	7,280															5,600	5,600	SUBTOTAL CONTINUOUS		TOTAL KVA CONTINUOUS x 1.25		31.075
		SUBTOTAL NON-CONTINUOUS		-	-															-	-	SUBTOTAL NON-CONTINUOUS		TOTAL KVA NON-CONTINUOUS		-
		SUBTOTAL SUB-PANEL		-	-															-	-	SUBTOTAL SUB-PANEL		TOTAL KVA SUB-PANEL		-
PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 2)																										
MAIN LUGS: N/A		MAIN BREAKER: 200 AMP										BRANCH BREAKER TYPE: SIEMENS - BL							TOTAL KVA			31.075				
VOLTAGE: 120/240		CYCLE: 60		PHASE: 1		WIRES: 3		MAIN COPPER BUS: 200 AMPS				NEUTRAL: 200 AMPS										TOTAL AMPS			129.48	

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

NB+C
TOTALLY COMMITTED

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(281) 488-0122

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHLEE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

at&t
mobility corp.

CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

REVISIONS

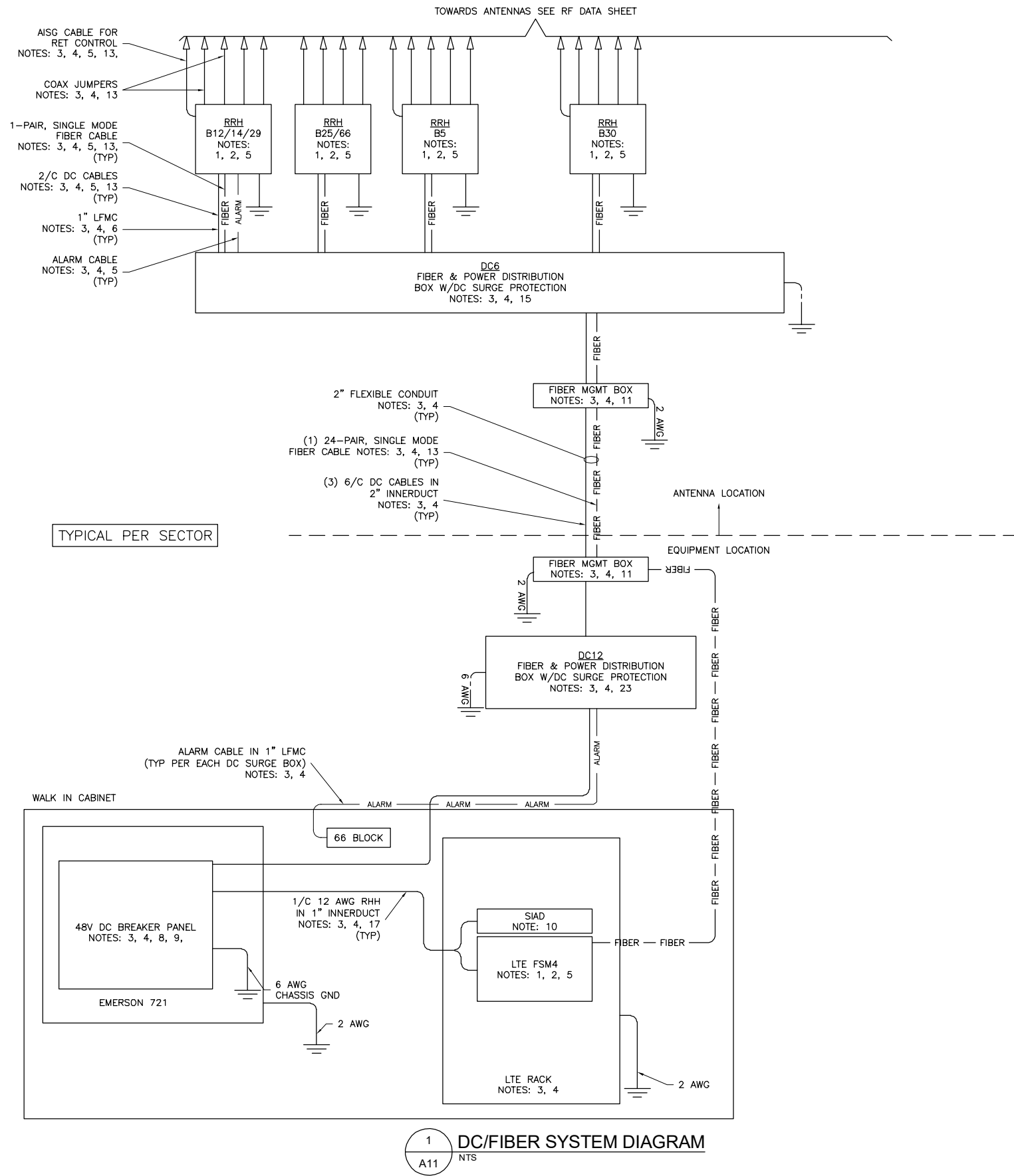
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2	12/14/20	REVISED PER COMMENTS	JH
1	06/01/20	REVISED PER COMMENTS	JMC
0	04/15/20	REVISED PER COMMENTS	KMD
A	03/09/20	PRELIMINARY CDs	KMD

STATE OF NEW YORK
KRUPAKARAN KOLANDAIVELU
LICENSED PROFESSIONAL ENGINEER
09/1974

KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

ELECTRICAL
PANEL SCHEDULE,
DIAGRAM & NOTES

ANT-011.00
11 OF 23



NOTES:

1. FURNISHED BY OEM/AT&T.
2. INSTALLED BY OEM OR AS SCOPED BY MARKET.
3. FURNISHED BY OTHERS
4. INSTALLED BY OTHERS
5. FINAL CONNECTION BY OEM OR AS SCOPED BY MARKET.
6. OPEN END OF LFMC TO BE LEFT WEATHERPROOFED UNTIL TERMINATED.
7. DELETED.
8. BREAKERS SPECIFIED SOLD SEPERATELY.
9. BREAKERS TO BE TAGGED AND LOCKED OUT.
10. SIAD IS FURNISHED AND INSTALLED BY OTHERS AND INCLUDES POWER CONNECTIONS AND FIBER TO THE UNIT OR AS SCOPED BY MARKET. INSTALL 10 AWG CHASSIS GROUND, PROVIDE (2) 10A BREAKERS FROM A 24V DC POWER SOURCE OR (2) 5A BREAKERS FROM A 48V DC POWER SOURCE AND CONNECT USING MFR POWER CABLE WITH SPECIAL CONNECTOR.
11. FIBER MANAGEMENT BOX IS J-SOURCE MODEL 12126FM4SEC.
12. LEC TO FURNISH AND INSTALL NETWORK INTERFACE DEVICE.
13. LEAVE COILED AND PROTECTED UNTIL TERMINATED.
14. DELETED
15. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC9-48-60-24-8C-EV.
16. DELETED
17. SINGLE-CONDUCTOR DC POWER CABLES SHALL BE TELCOFLEX OR KS24194, COPPER, UL LISTED RHH NON-HALOGEN, LOW SMOKE WITH BRAIDED COVER, TYPE TC (1/0 AND LARGER). UNLESS OTHERWISE NOTED, STRANDING SHALL BE CLASS B (TYPE III) FOR CABLES SIZES 14, 12 & 10 AWG AND CLASS 1 (TYPE IV) FOR SIZES 8 AWG AND LARGER. CABLES SHALL BE COLOR CODED RED FOR +24V, BLUE FOR -48V AND GRAY FOR 24V AND 48V RETURN CONDUCTORS. MULTI-CONDUCTOR DC POWER CABLES SHALL COPPER, CLASS B STRANDED WITH FLAME RETARDANT PVC JACKET, TYPE TC, UL LISTED FOR 90°C DRY/ 75°C WET INSTALLATION.
18. 10A FUSE FOR HEAT EXCHANGER FURNISHED AND INSTALLED BY OTHERS.
19. DELETED
20. GROUNDING WIRES SHALL BE COPPER, GREEN THHN/THWN UL LISTED FOR 90°C DRY/75°C WET INSTALLATION. MINIMUM SIZE IS 6 AWG UNLESS NOTED OTHERWISE.
21. RET CONTROL FROM THE RRH IS AN OPTIONAL METHOD OF CONNECTION. REFER TO RF DATA SHEET FOR APPLICABILITY.
22. DELETED.
23. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC12-48-60-0-25E.
24. DELETED
25. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC12-48-60-0-25E.

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

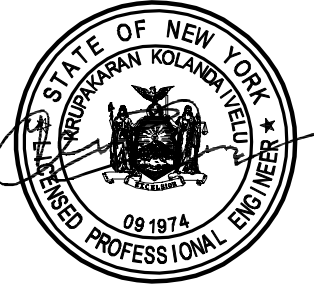
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SHEET NUMBER



CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

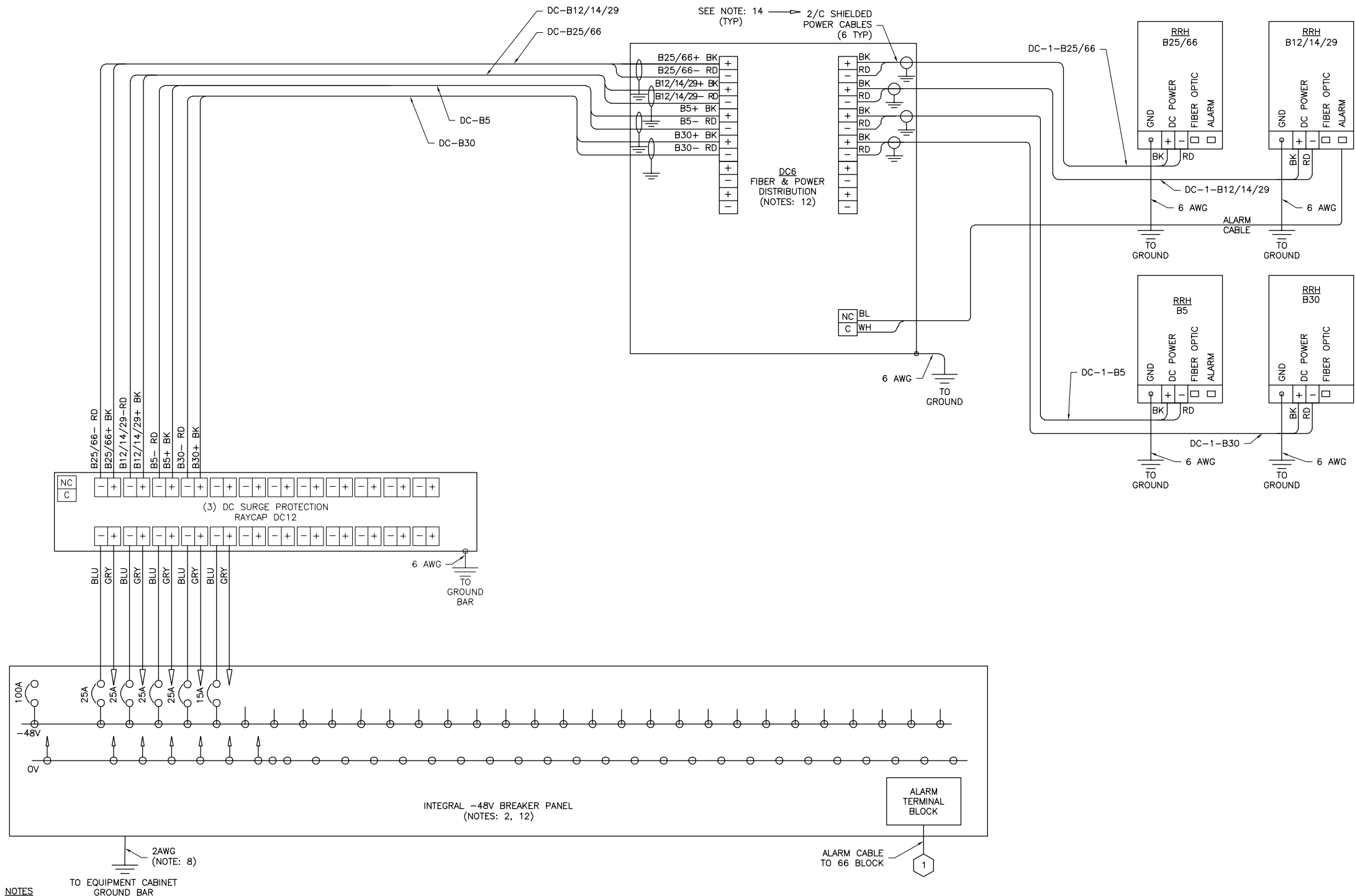
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0	04/15/20	REVISED PER COMMENTS	KMD	
A	03/09/20	PRELIMINARY CDs	KMD	



KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

DC/FIBER
SYSTEM DIAGRAM



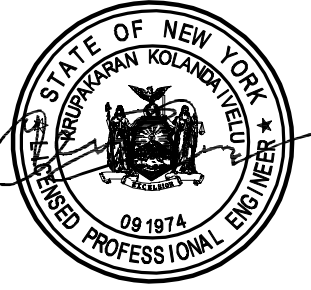
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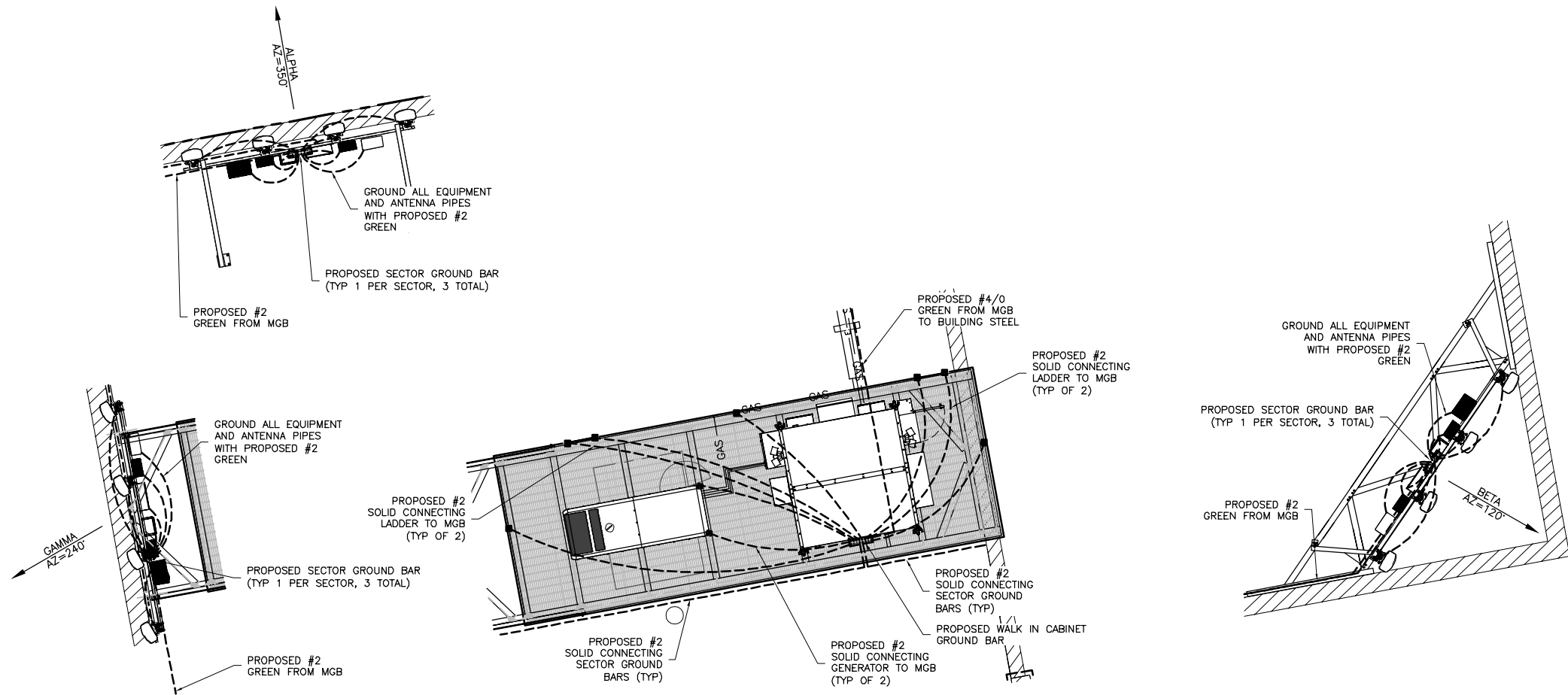


NOTES

1. LABEL THE DC POWER CABLES AT BOTH ENDS OF EVERY WIRE AND IN ANY PULL BOX IF USED. LABEL SHALL BE DURABLE, SELF ADHESIVE, WRAPPED LONGITUDINALLY ALONG THE CABLE AND STATE THE SECTOR, FREQUENCY BAND AND POLARITY; I.E. "A-AWS+".
2. INSTALL ON IN AUXILIARY EQUIPMENT CABINET.
3. CABLE TERMINALS FOR +24V INPUT FEED A, FEED B AND REFERENCE GROUND SHALL BE 2-HOLE: 3/8" ON 1" CENTER.
4. INSTALL CABLE TERMINALS FOR FEED A AND FEED B RETURN BACK-TO-BACK ON OPPOSITE SIDES OF PAD USING 1-HOLE 3/8" TERMINALS.
5. CABLE TERMINALS FOR CHASSIS GROUND SHALL BE 2-HOLE, 1/4" ON 5/8" CENTER.
6. WHEN DISTRIBUTION BOX IS NOT USED, INSTALL 3 RUNS OF (3) 2/C CABLES IN CONDUIT, 1 EACH FROM DC SURGE SHELF TO DC9s.
7. A JUNCTION BOX IS REQUIRED WHEN FIBER OPTIC CABLES ARE INSTALLED IN CONDUIT AS SCOPED BY MARKET.
8. CONVERTER REFERENCE GROUND IS NOT REQUIRED WHEN CONVERTER AND 24V DC POWER PLANT ARE ON THE SAME RACK OR ENCLOSURE.
9. THE BARE GROUND WIRE OF EACH MULTI-CONDUCTOR CABLE AND DRAIN WIRE WHEN A SHIELDED CABLE IS USED, SHALL BE CONNECTED TO THE EQUIPMENT CABINET GROUND BAR.
10. SEE ALARM BLOCK ASSIGNMENT DETAIL FOR ALARM CABLE CONNECTIONS.
11. PROVIDE A JUNCTION BOX, AS SCOPED BY MARKET, TO COIL EXCESS DC POWER AND OPTICAL FIBER CABLES (FIBER CALES NOT SHOWN FOR CLARITY)
12. NOTED EQUIPMENT MAY BE COMMON TO LTE.
13. CABLE GROUND WIRE AND SHIELD DRAIN WIRE TO BE LEFT UN-TERMINATED AT RRH.

TYPICAL PER SECTOR

PROJECT MANAGER	 TOTALLY COMMITTED. <small>1777 SENTRY PARKWAY WEST VEVA 17, SUITE 400 BLUE BELL, PA 19422 (281) 488-0122</small>																																				
ENGINEER	TKK ENGINEERING DPC PSC #123266 NY CERTIFICATION OF AUTHORIZATION NO. 0016795 <small>6095 MARSHLEE DRIVE, SUITE 300 ELK RIDGE, MD 21075 410-712-7092</small>																																				
APPLICANT																																					
SITE INFORMATION	CALTON AVE N6353 FA# 14644751 PAGE# MRNYC050603 75 WHITE OAK STREET NEW ROCHELLE, NY 10801																																				
DESIGN RECORD	<table><tr><th colspan="4">REVISIONS</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>12/21/20</td><td>PERMIT READY</td><td>JH</td></tr><tr><td>2</td><td>12/14/20</td><td>REVISED PER COMMENTS</td><td>JH</td></tr><tr><td>1</td><td>06/01/20</td><td>REVISED PER COMMENTS</td><td>JMC</td></tr><tr><td>0</td><td>04/15/20</td><td>REVISED PER COMMENTS</td><td>KMD</td></tr><tr><td>A</td><td>03/09/20</td><td>PRELIMINARY CDs</td><td>KMD</td></tr><tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr></table>	REVISIONS												3	12/21/20	PERMIT READY	JH	2	12/14/20	REVISED PER COMMENTS	JH	1	06/01/20	REVISED PER COMMENTS	JMC	0	04/15/20	REVISED PER COMMENTS	KMD	A	03/09/20	PRELIMINARY CDs	KMD	REV	DATE	DESCRIPTION	BY
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ENGINEER	KRUPAKARAN KOLANDAIVELU, P.E. STATE OF NEW YORK PROFESSIONAL ENGINEER LICENSE #091974																																				
SHEET TITLE	DC WIRING DIAGRAM																																				
SHEET NUMBER	ANT-013.00 13 OF 23																																				



GROUNDING LEGEND

- EXOTHERMIC WELD CONNECTION
- COMPRESSION FITTING CONNECTION
- 5/8"x10" COPPER-CLAD STEEL GROUND ROD
- 5/8"x10" COPPER-CLAD STEEL GROUND ROD WITH INSPECTION WELL
- PROPOSED GROUND WIRING
- EXISTING GROUND WIRING
- TINNED COPPER GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20"
- COLLECTOR GROUND BAR
- MAIN GROUND BAR



PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

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SHEET NUMBER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(281) 488-0122

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795

6095 MARSHLEE DRIVE, SUITE 300
ELKBRIDGE, MD 21075
410-712-7092

at&t
mobility corp.

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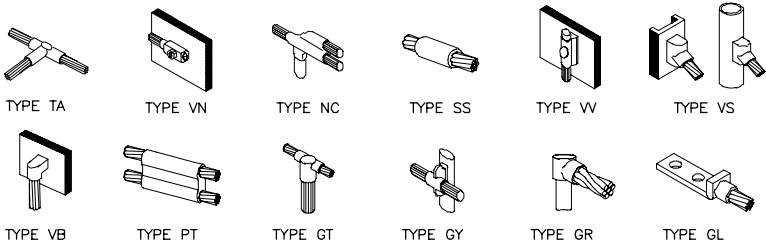
KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

**GROUNDING
PLAN & DETAILS**

ANT-014.00
14 OF 23

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"x10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 BARE TINNED COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45'.
- EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-A.
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE AT&T WIRELESS CONSTRUCTION MANAGER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY AN AT&T REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1" BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.



4 GROUNDING CONNECTION DETAILS
A15 NTS

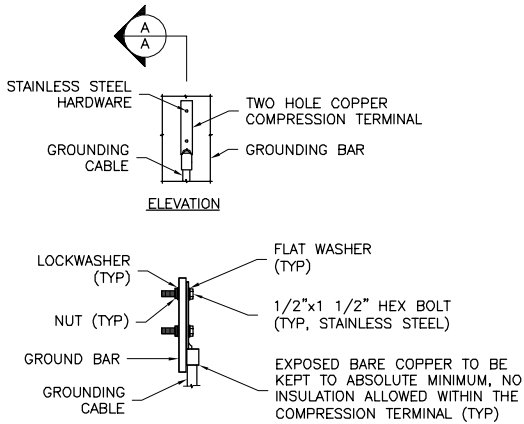
CABLE COLOR CODING NOTES:

- SECTOR ORIENTATION/AZIMUTH WILL VARY FROM REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
- THE ANTENNA SYSTEM CABLES SHALL BE LABELED WITH VINYL TAPE EXCEPT IN LOCATIONS WHERE ENVIRONMENTAL CONDITIONS CAUSE PHYSICAL DAMAGE, THEN PHYSICAL TAGS ARE PREFERRED.
- THE STANDARD IS BASED ON EIGHT COLORED TAPES - RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE & VIOLET. THESE TAPES MUST BE 3/4" WIDE & UV RESISTANT SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE AND SHOULD BE READILY AVAILABLE TO THE ELECTRICIAN OR SUBCONTRACTOR ON SITE.
- USING COLOR BANDS ON THE CABLES, MARK ALL RF CABLES BY SECTOR AND NUMBER AS SHOWN ON "CABLE MARKING COLOR CONVENTION TABLE".
- ALL COLOR CODE TAPE SHALL BE 3M-35 AND SHALL BE A MINIMUM OF (3) WRAPS OF TAPE AND SHALL BE NEATLY TRIMMED AND SMOOTHED OUT SO AS TO AVOID UNRAVELING.
- ALL COLOR BANDS INSTALLED AT THE TOP OF TOWER SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACE IN BETWEEN EACH COLOR.
- ALL COLOR CODES SHALL BE INSTALLED AS TO ALIGN NEATLY WITH ONE ANOTHER FROM SIDE TO SIDE.

CABLE MARKING TAGS:

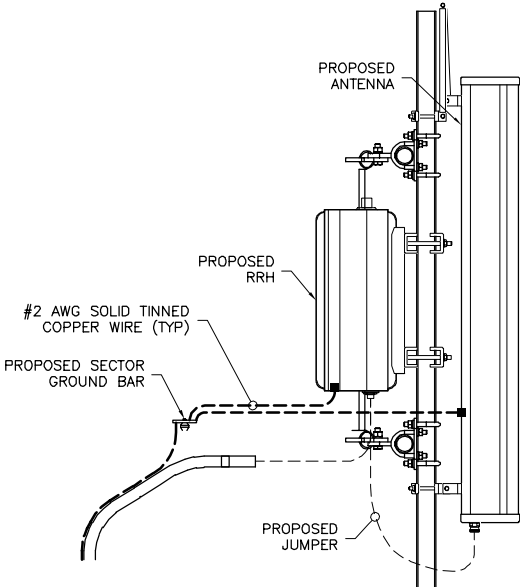
WHEN USING THE ALTERNATIVE LABELING METHOD, EACH RF CABLE SHALL BE IDENTIFIED WITH A METAL ID TAG MADE OF STAINLESS STEEL OR BRASS. THE TAG SHALL BE 1-1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS INDICATING THE SECTOR, ANTENNA POSITION AND CABLE NUMBER. ID MARKING LOCATIONS SHOULD BE AS PER "CABLE MARKING LOCATIONS TABLE". THE TAG SHOULD BE ATTACHED WITH CORROSION PROOF WIRE AROUND THE CABLE AT THE SAME LOCATION AS DEFINED ABOVE. THE TAG SHOULD BE LABELED AS SHOWN ON THE "GSM AND UMTS LINE TAG" DETAIL.

CABLE MARKING LOCATIONS TABLE	
NO.	LOCATIONS
1	EACH JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS.
2	EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS AT THE TOP JUMPER CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS PRIOR TO ENTERING THE BTS OR SHELTER.
3	CABLE ENTRY PORT ON THE INTERIOR OF SHELTER.
4	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
5	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.

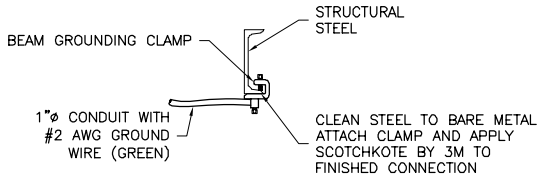


NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

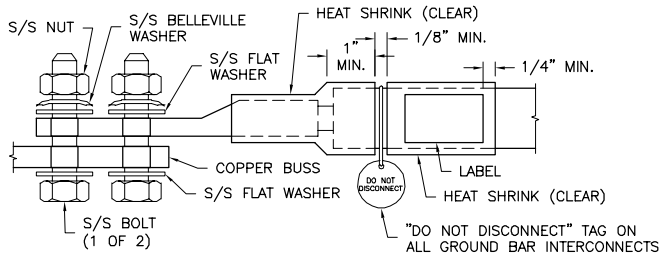
5 TYPICAL GROUND BAR CONNECTION DETAIL
A15 NTS



1 ANTENNA & CABLE GROUNDING
A15 NTS

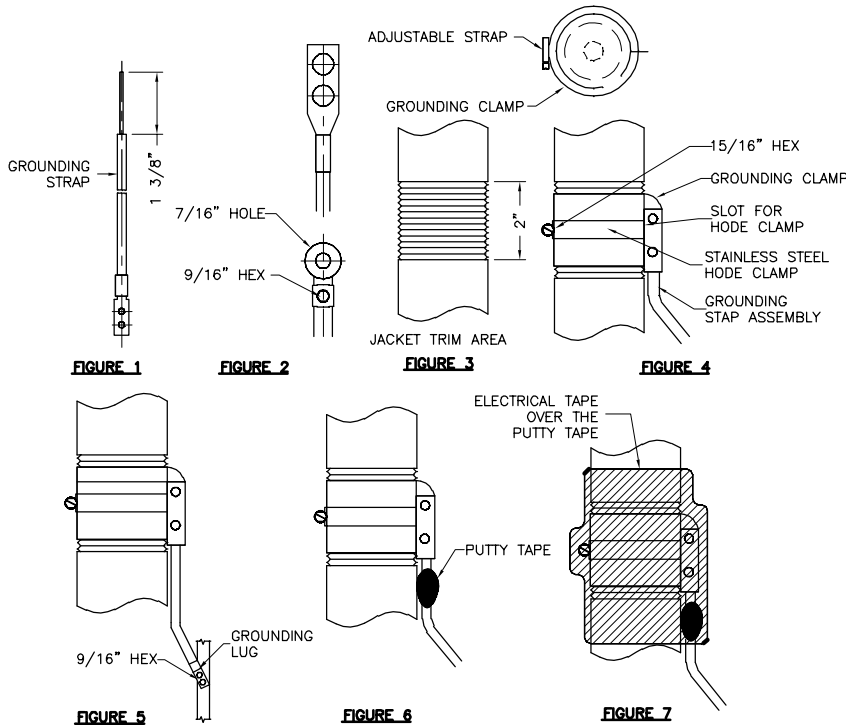


2 GROUND AT BUILDING STEEL
A15 NTS



- NOTES:
- ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND BEFORE MATING.
 - FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND.
 - COAT ALL BARRELS WITH ANTI-OXIDATION COMPOUND BEFORE CRIMPING.

3 GENERAL LUG DETAIL
A15 NTS



6 GROUNDING STRAP WEATHERPROOFING DETAIL
A15 NTS

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

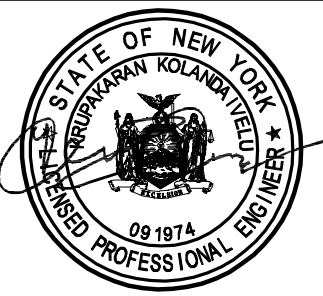
SHEET TITLE

SHEET NUMBER



CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

REVISIONS			
3	12/21/20	PERMIT READY	JH
2	12/14/20	REVISED PER COMMENTS	JH
1	06/01/20	REVISED PER COMMENTS	JMC
0	04/15/20	REVISED PER COMMENTS	KMD
A	03/09/20	PRELIMINARY CDs	KMD
REV	DATE	DESCRIPTION	BY



KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

GROUNDING
DETAILS & NOTES

ANT-015.00
15 OF 23

STRUCTURAL NOTES

1. THE STRUCTURAL STEEL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANCHOR BOLT LOCATIONS, ELEVATION OF TOP OF CONCRETE AND BEARING PLATES, ALIGNMENT ETC. PRIOR TO START OF STEEL ERECTION.
2. THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS SHALL GOVERN:
- A. AISC – "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- B. AISC – "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- C. AWS – "D1.1 STRUCTURAL WELDING CODE – STEEL".

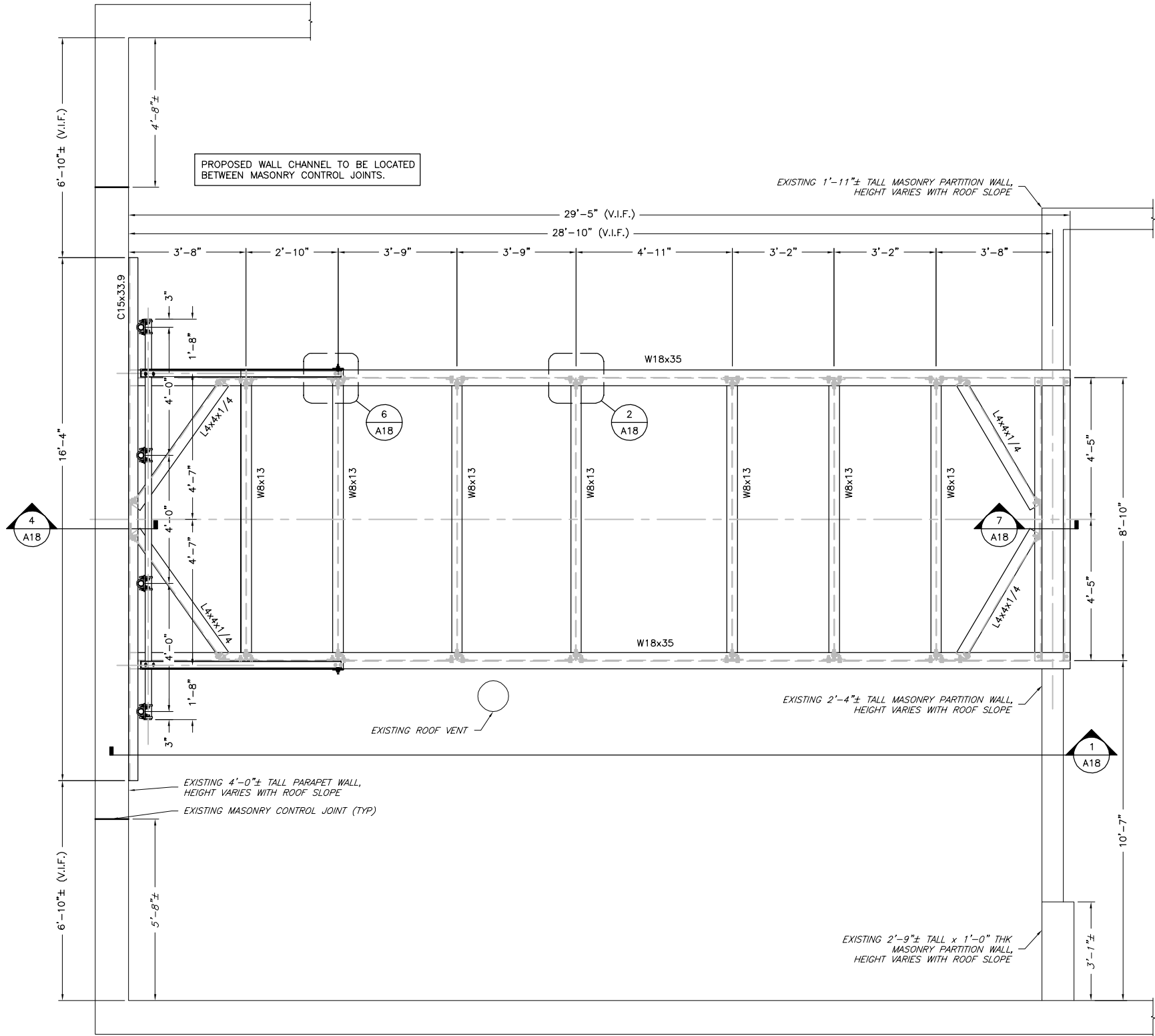
3. MATERIAL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

STRUCTURAL WIDE FLANGE & M SHAPES	A992 OR A572 Fy = 50KSI
OTHER STRUCTURAL SHAPES AND PLATES	A36, Fy = 36 KSI
STRUCTURAL TUBING	A500, GRADE B Fy = 46 KSI
HIGH STRENGTH BOLTS	A325
THREADED RODS	A354, GRADE BC
ANCHOR BOLTS	A325 OR A354 BC
PIPE	A53 GrB. (SCH 40 UNLESS NOTED OTHERWISE)

4. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER AISC REQUIREMENTS.
5. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED. ALL HOLES IN BEARING PLATES SHALL BE DRILLED.
6. ALL STEEL TO BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123.
7. EPOXY ANCHORS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
8. ALL BOLTS SHALL BE TIGHTENED USING TURN-OF-THE-NUT METHOD PER AISC SPECIFICATIONS USING STANDARD HOLES.
9. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIT PRIOR TO FABRICATION.
10. THE FABRICATOR SHALL FURNISH CHECKED SHOP AND ERECTION DRAWINGS TO THE ENGINEER, AND OBTAIN APPROVAL PRIOR TO FABRICATING ANY STRUCTURAL STEEL. SHOP DRAWINGS SHALL CONFORM TO AISC "DETAILING FOR STEEL CONSTRUCTION".

EPOXY ADHESIVE ANCHOR NOTES:

1. THE EXISTING BUILDING WALLS ARE ASSUMED TO BE LOAD BEARING MASONRY OR CONCRETE FOR THE PURPOSES OF ANCHOR DESIGN. THE CONTRACTOR SHALL VERIFY THE EXISTING WALL CONSTRUCTION PRIOR TO BEGINNING WORK AND SHALL NOTIFY THE ENGINEER IN WRITING IF DIFFERENT FIELD CONDITIONS ARE ENCOUNTERED.
2. HILTI ADHESIVE IS THE BASIS OF DESIGN.
3. CONTRACTOR SHALL REFER TO ALL MANUFACTURER'S INSTRUCTIONS FOR PROPER ANCHOR INSTALLATION AS SPECIFIED IN THIS DRAWING SET.
4. THE PROPOSED ANCHORS SHALL BE SPACED A MINIMUM OF 16" O/C, EACH WAY AND A MINIMUM OF 16" FROM EDGE (TOP OR SIDE), UNLESS NOTED OTHERWISE. NOTIFY ENGINEER IN WRITING PRIOR TO BEGINNING WORK, IF THIS MINIMUM SPECIFIED ANCHOR SPACING CANNOT BE ACHIEVED.
5. WHEN INSTALLING ANCHORS IN EXISTING MASONRY OR CONCRETE, EXERCISE CAUTION AND AVOID CUTTING OR DAMAGING THE EXISTING REINFORCEMENT.
6. PROPOSED HILTI ANCHORS SHALL BE INSTALLED AT THE CENTER OF EXISTING BRICK UNITS WHERE APPLICABLE



1
A16

PLATFORM & GAMMA SECTOR - FRAMING PLAN

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

NOTE:
1. CONTRACTOR MUST FIELD VERIFY DIMENSIONS PRIOR TO BIDDING, PROCUREMENT, AND FABRICATION.
2. CONTRACTOR MUST COORDINATE WITH BUILDING OWNERS APPROVED ROOFER FOR ANY MODIFICATIONS TO FLASHING, COPING, WEATHERPROOFING, WATERPROOFING, AND SEALING PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY THAT THE EXISTING PARTITION WALL IS CONTINUOUS TO GROUND LEVEL.

PROJECT MANAGER



1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(267) 488-0122

ENGINEER

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHLEE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT



SITE INFORMATION

CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

DESIGN RECORD

REVISIONS

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PROFESSIONAL STAMP



ENGINEER

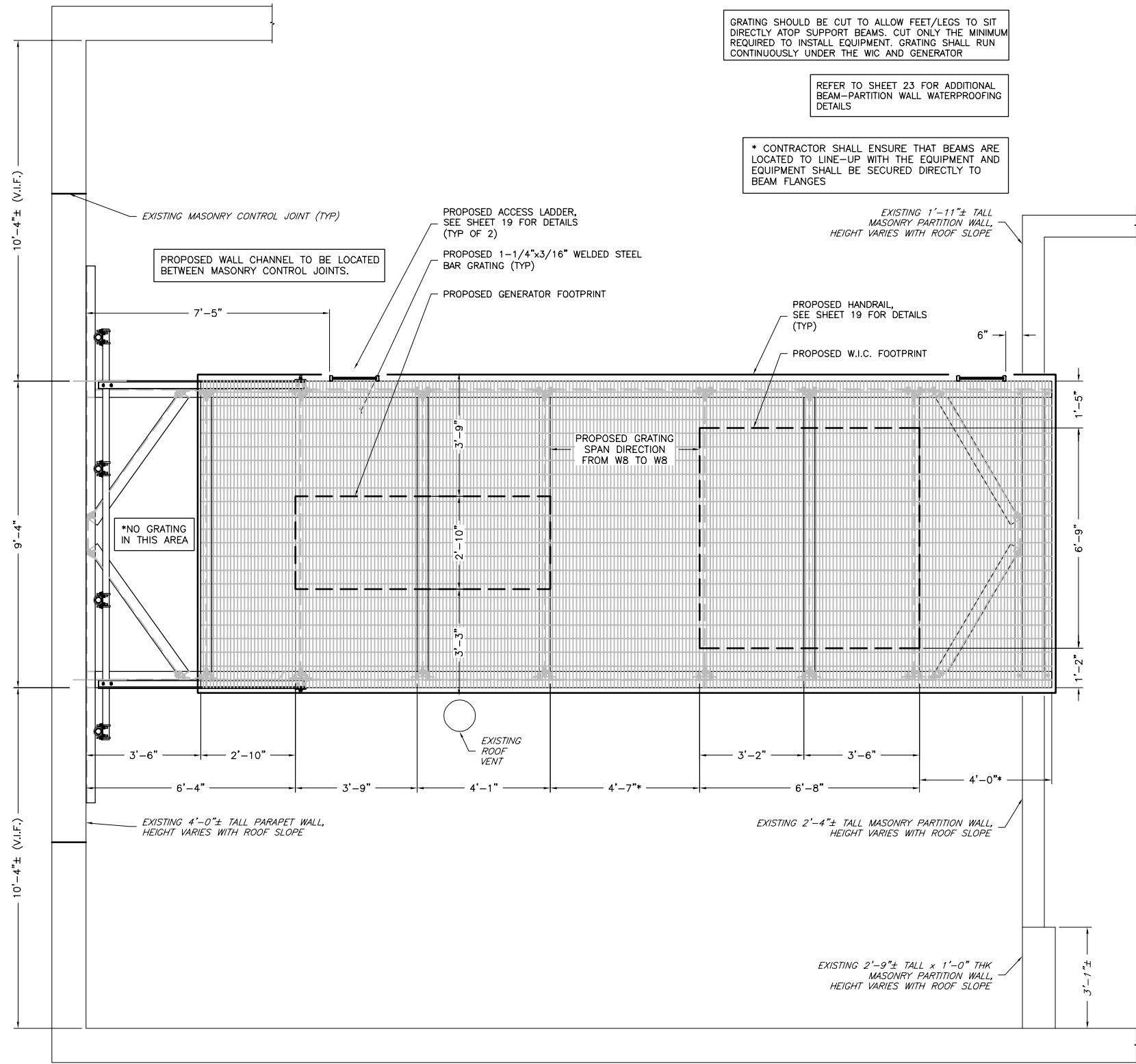
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STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

SHEET TITLE

PLATFORM &
GAMMA SECTOR
FRAMING PLAN

SHEET NUMBER

ANT-016.00
16 OF 23



1 PLATFORM & GAMMA SECTOR - PLATFORM PLAN
A17 SCALE: 1/2" = 1'-0"

NOTE:
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mobility corp.

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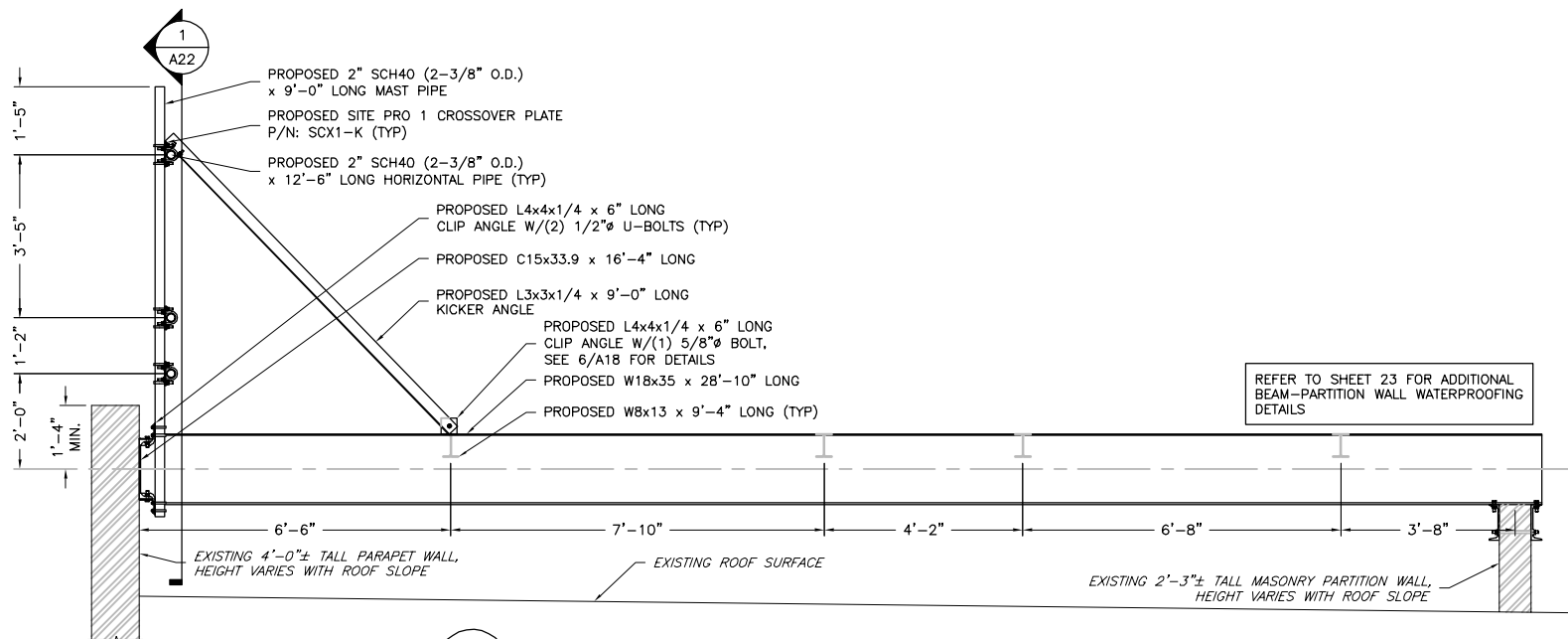
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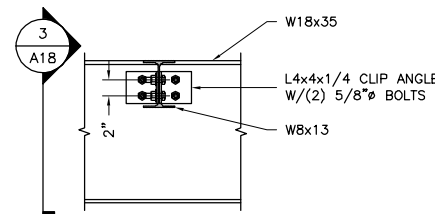
**PLATFORM &
GAMMA SECTOR
PLAN VIEW**

ANT-017.00
17 OF 23

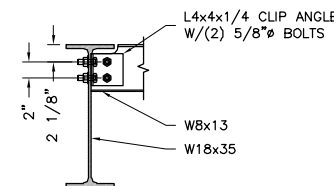


1 PLATFORM & GAMMA SECTOR - FRAMING ELEVATION
A18 SCALE: 1/2" = 1'-0"

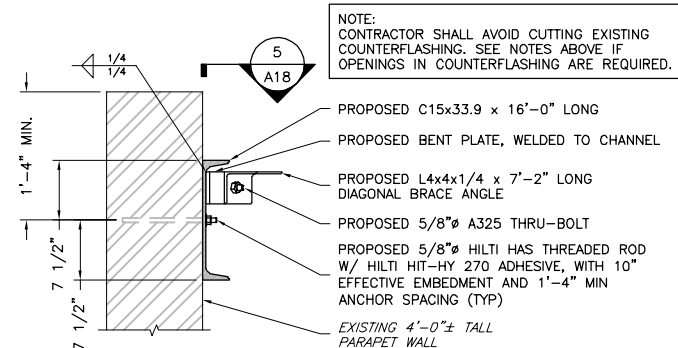
NOTE:
1. CONTRACTOR MUST COORDINATE WITH BUILDING OWNERS APPROVED ROOFER FOR ANY MODIFICATIONS TO FLASHING, COPING, WEATHERPROOFING, WATERPROOFING, AND SEALING PRIOR TO CONSTRUCTION.
2. BUILDING OWNERS APPROVED ROOFER MAY DEViate FROM THE DETAILS SHOWN ON THIS SHEET AS REQUIRED BY CODE OR STANDARD CONSTRUCTION PRACTICES, AND/OR WEATHERPROOFING PRACTICES, AND/OR TO MAINTAIN EXISTING ROOF MEMBRANE MANUFACTURERS WARRANTY.



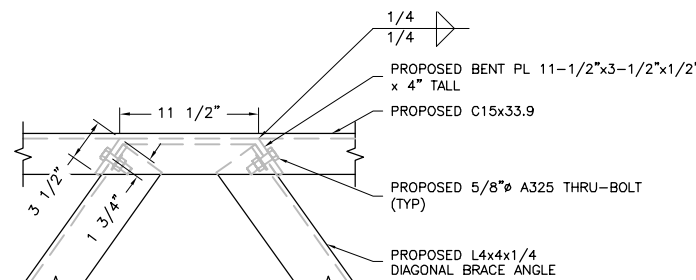
2 W18x35 TO W8x13 CONNECTION
A18 SCALE: 1" = 1'-0"



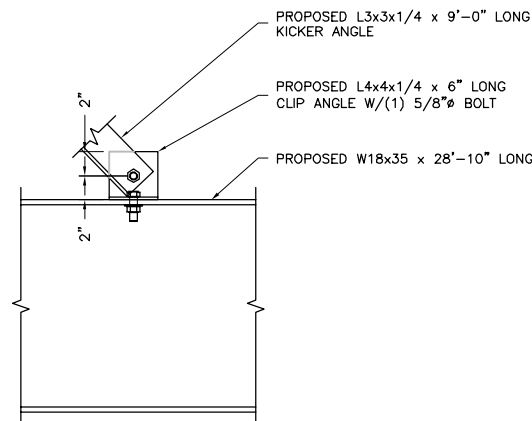
3 W18x35 TO W8x13 CONNECTION
A18 SCALE: 1" = 1'-0"



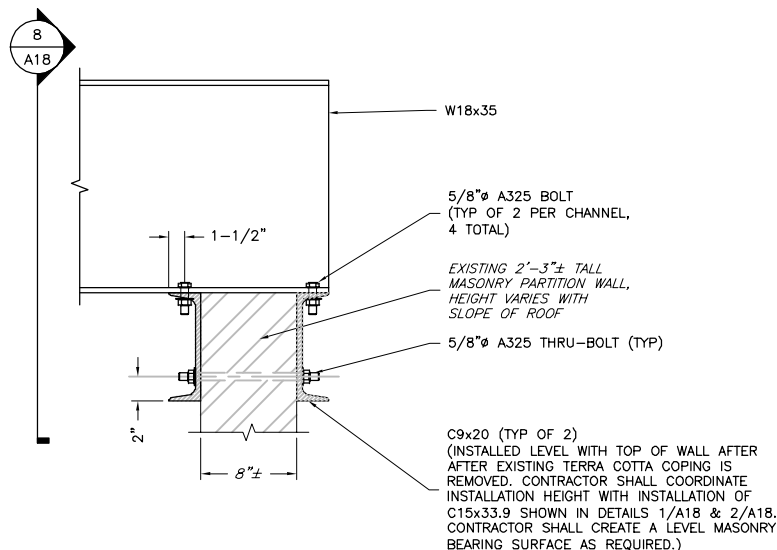
4 L4x4x1/4 TO C15x33.9 AND PARAPET WALL CONNECTION
A18 SCALE: 1" = 1'-0"



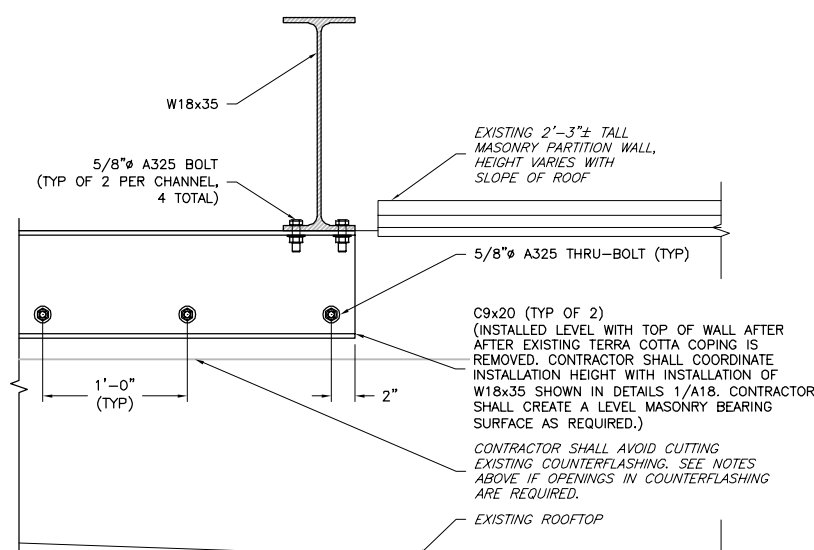
5 L4x4x1/4 TO C15x33.9 CONNECTION
A18 SCALE: 1" = 1'-0"



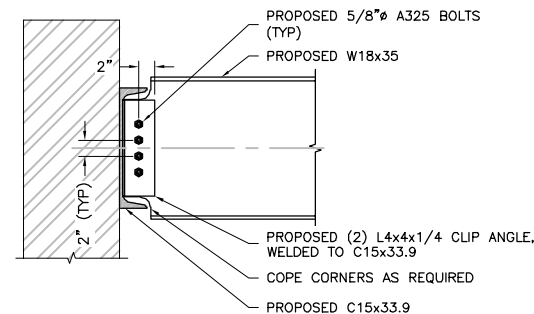
6 PLATFORM KICKER CONNECTION
A18 SCALE: 1-1/2" = 1'-0"



7 PARTITION WALL CONNECTION DETAIL
A18 SCALE: 1-1/2" = 1'-0"



8 PARAPET CONNECTION DETAIL-SIDE VIEW
A18 SCALE: 1-1/2" = 1'-0"



9 C15x33.9 TO W18x35 CONNECTION
A18 SCALE: 1" = 1'-0"

NOTE:
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3. CONTRACTOR SHALL VERIFY THAT THE EXISTING PARTITION WALL IS CONTINUOUS TO GROUND LEVEL.

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER



TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795
6095 MARSHALLE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092



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REVISIONS

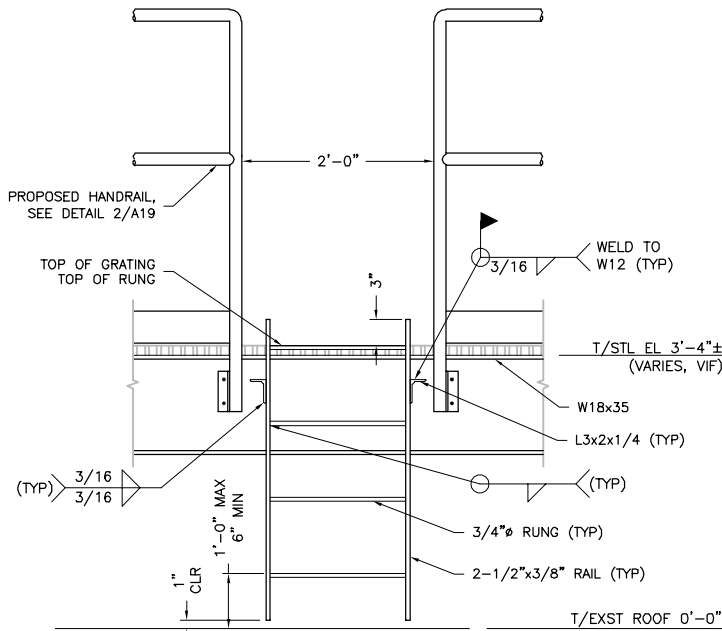
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STATE OF NEW YORK
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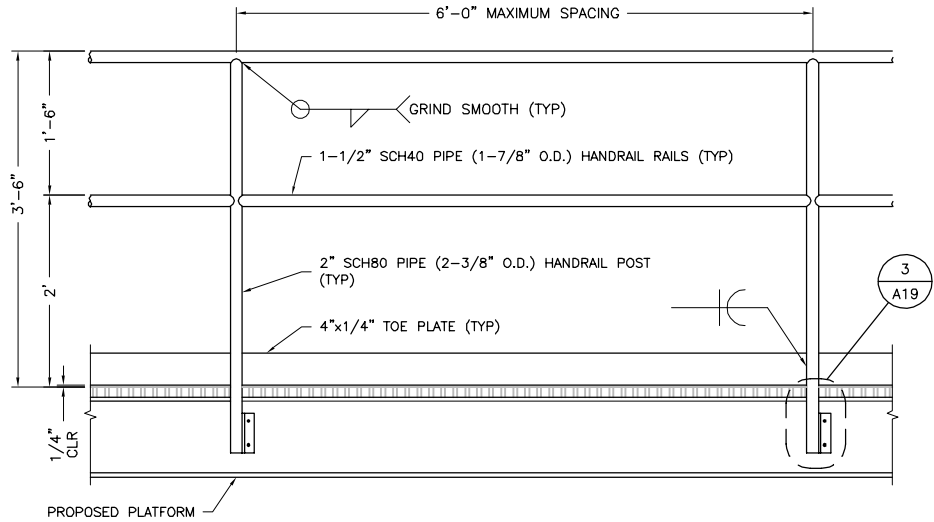
WALL ATTACHMENT DETAILS

ANT-018.00
18 OF 23

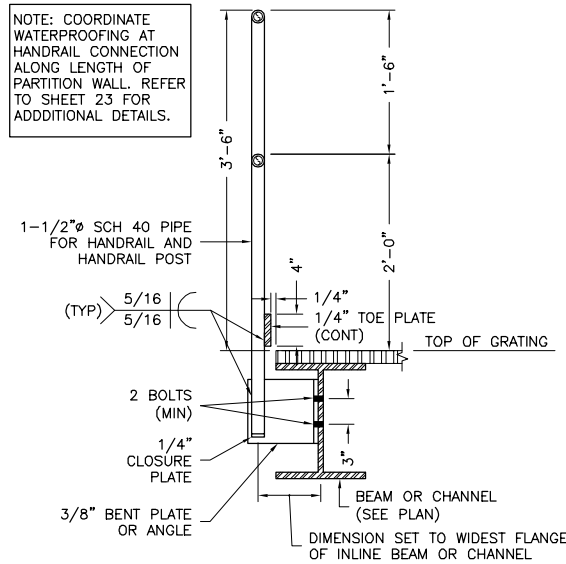


NOTE:
1. ALL STEEL TO BE GALVANIZED
2. ANCHOR LADDER AT BOTTOM IF GREATER THAN 4'-0" HIGH

1
A19
NTS
TYPICAL LADDER DETAIL



2
A19
NTS
TYPICAL HANDRAIL DETAIL



3
A19
NTS
HANDRAIL TO FRAME CONNECTION

NOTE:
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PROJECT MANAGER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
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ENGINEER

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APPLICANT

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mobility corp.

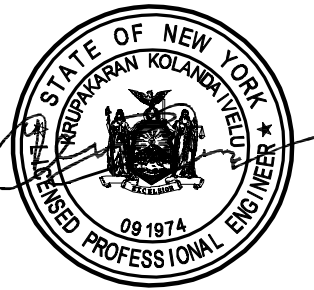
SITE INFORMATION

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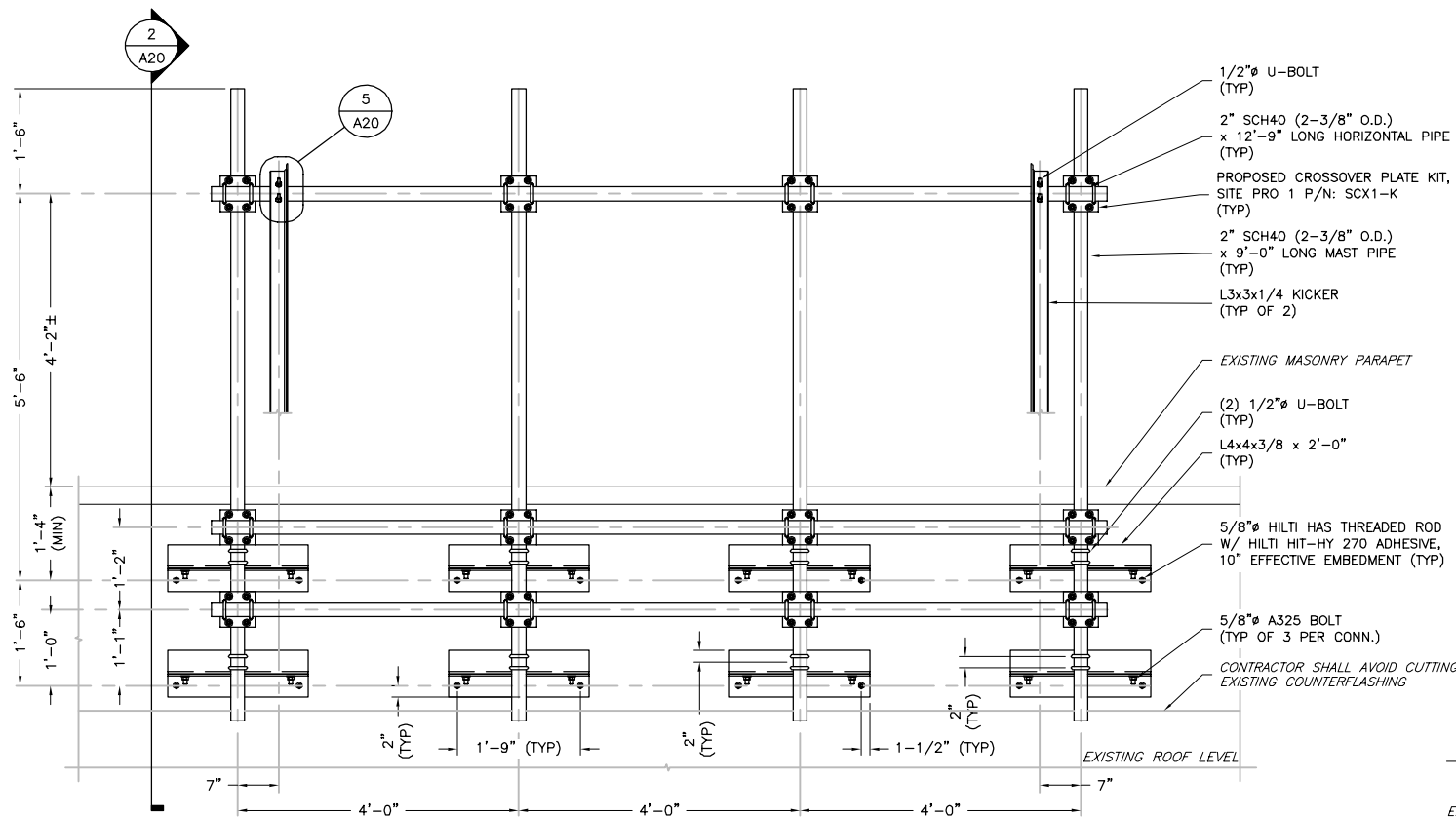
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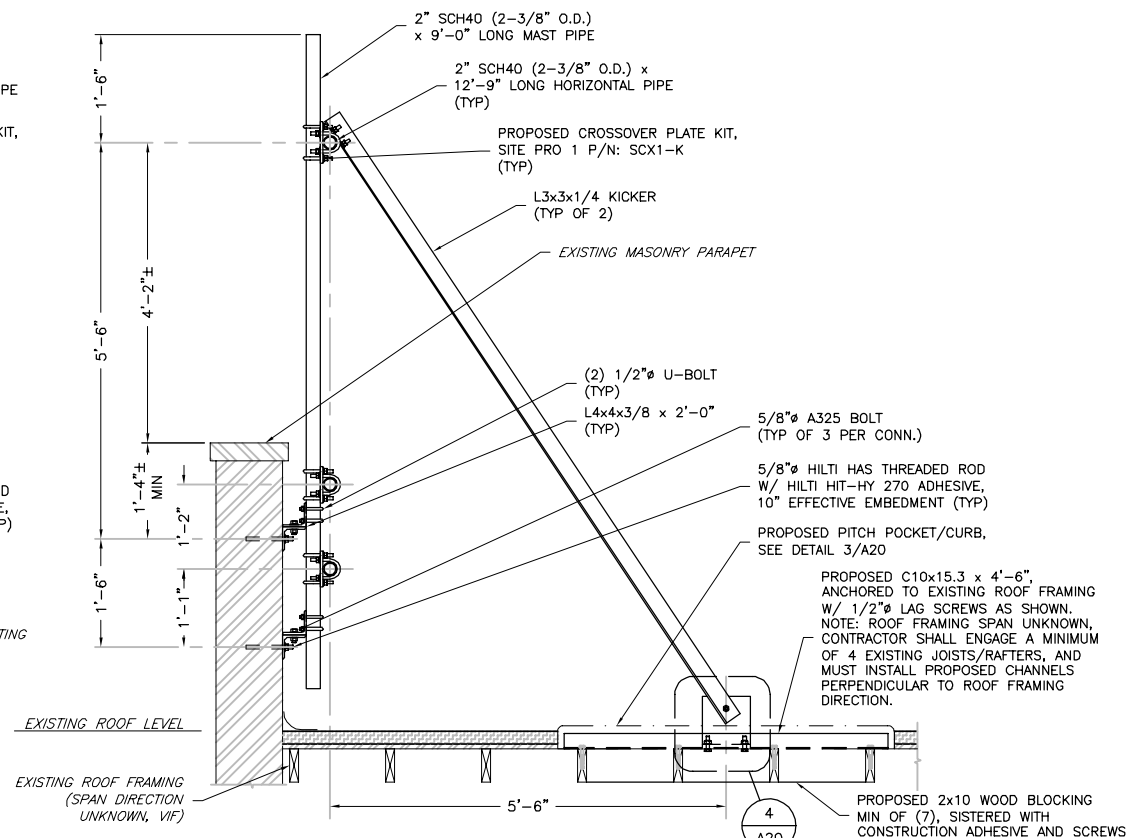
**STRUCTURAL
DETAILS - I**

SHEET NUMBER

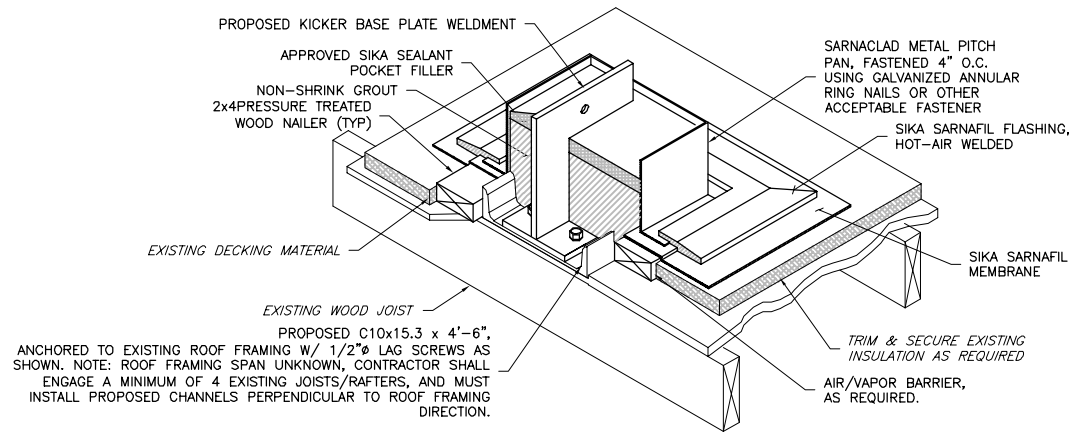
ANT-019.00
19 OF 23



1 ALPHA SECTOR - ELEVATION A
SCALE: 3/4" = 1'-0"

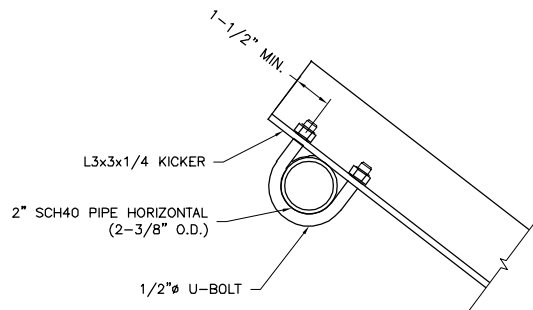


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SCALE: 3/4" = 1'-0"

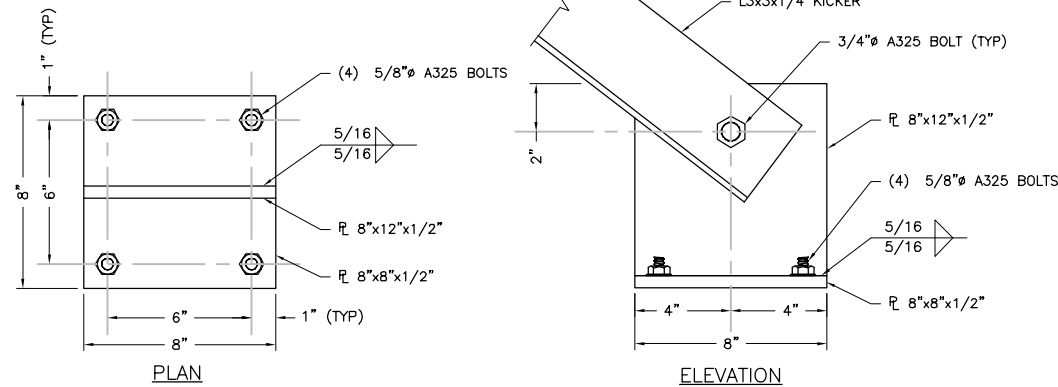


- NOTES:
1. SEALANT IS A MAINTENANCE ITEM. MAINTENANCE IS NOT COVERED UNDER THE SIKKA SARNAFIL WARRANTY.
 2. VAPOR BARRIER IF REQUIRED SHALL BE SEALED AT EDGES.
 3. APPROVED FOR SIKAPLAN AND SIKAPLAN NDL WARRANTIES.

3 SEALANT POCKET/CURB DETAIL
A20 NTS



5 UPPER KICKER CONN. DETAIL
SCALE: 3" = 1'-0"



4 LOWER KICKER CONN. DETAIL
SCALE: 3" = 1'-0"

NOTE:
CONTRACTOR SHALL ROTATE PROPOSED C10x15.3 AS REQUIRED FOR INSTALLATION THAT IS PERPENDICULAR TO EXISTING JOIST/RAFTER SPAN. CHANNEL MUST SPAN A MINIMUM OF (4) EXISTING JOISTS/RAFTERS.

NOTE:
1. CONTRACTOR MUST FIELD VERIFY DIMENSIONS PRIOR TO BIDDING, PROCUREMENT, AND FABRICATION.
2. CONTRACTOR MUST COORDINATE WITH BUILDING OWNERS APPROVED ROOFER FOR ANY MODIFICATIONS TO FLASHING, COPING, WEATHERPROOFING, WATERPROOFING, AND SEALING PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY THAT THE EXISTING PARTITION WALL IS CONTINUOUS TO GROUND LEVEL.

PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

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NB+C
TOTALLY COMMITTED

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
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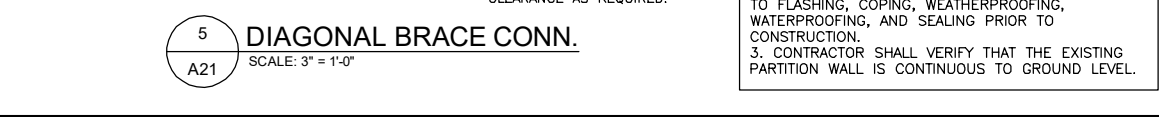
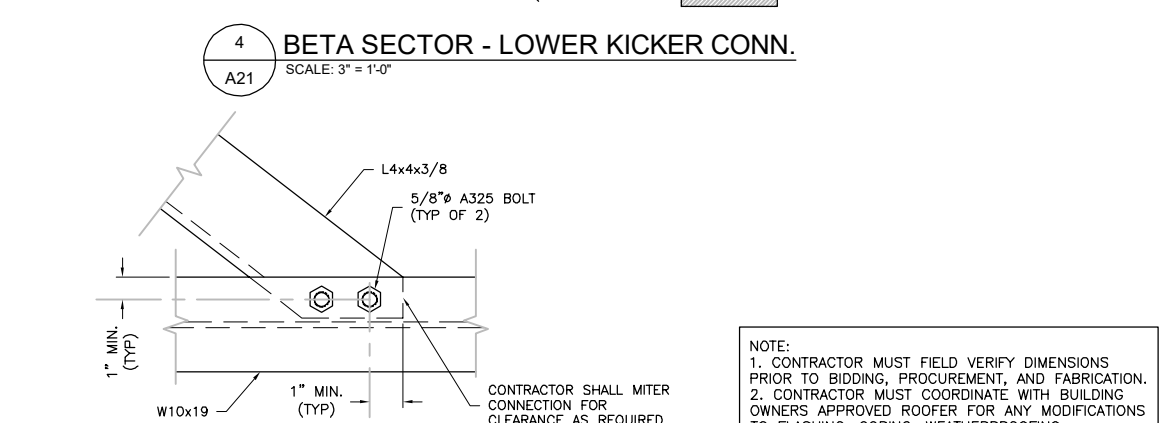
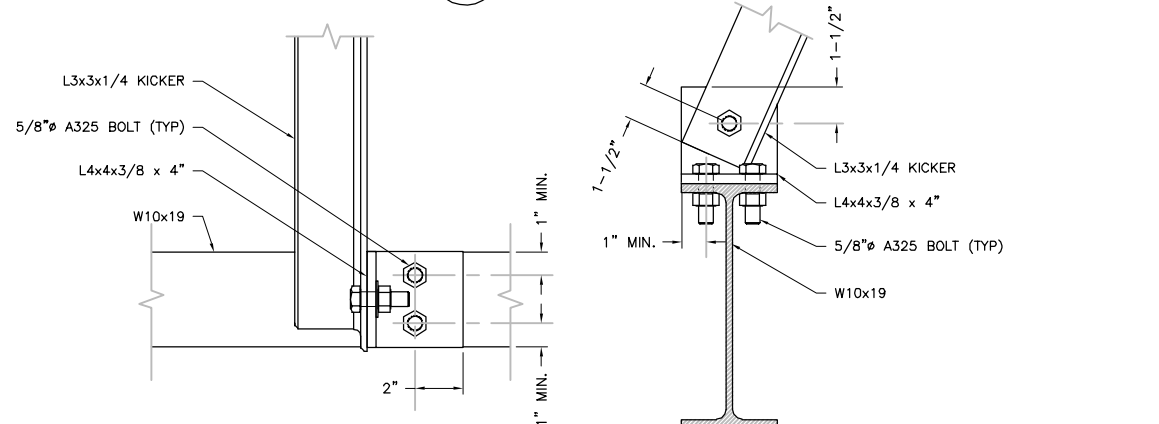
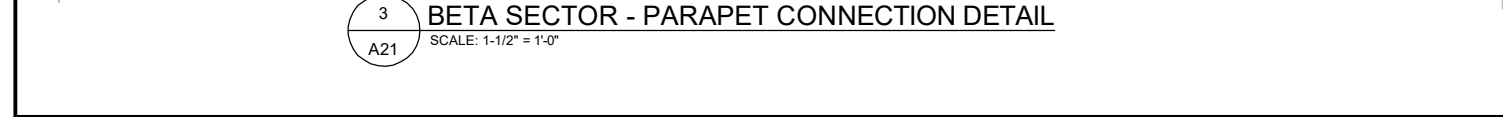
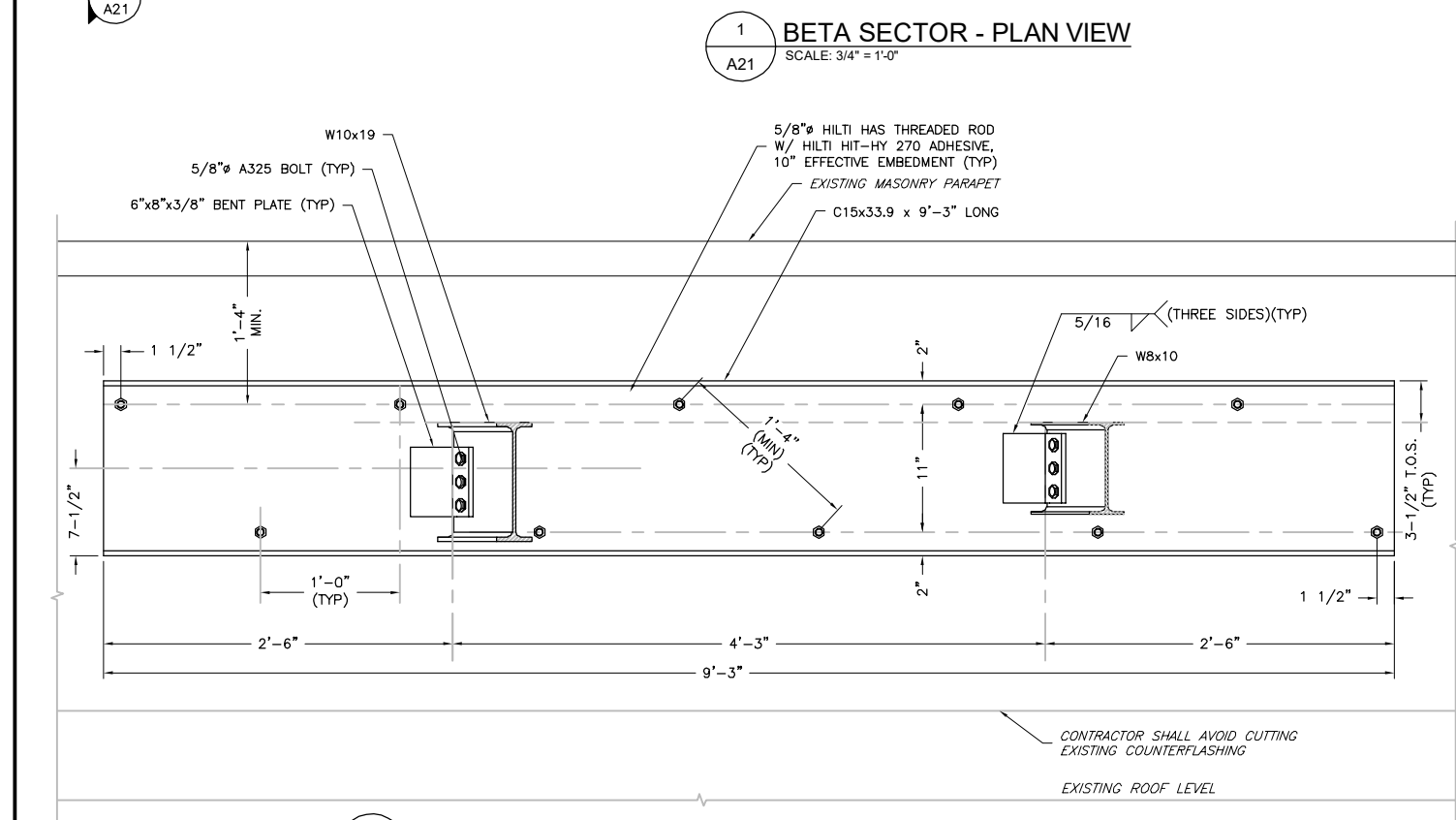
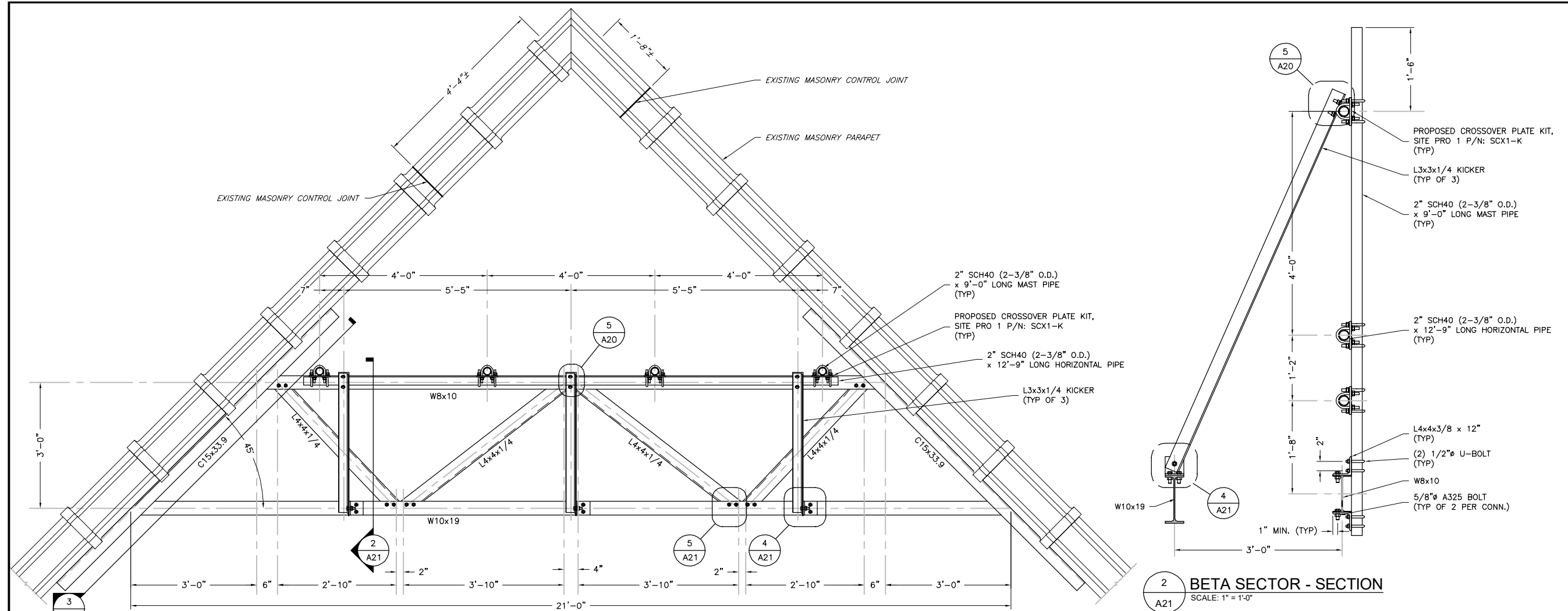
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LICENSE #091974

**ALPHA SECTOR
MOUNT DETAILS**

ANT-020.00
20 OF 23



PROJECT MANAGER

ENGINEER

APPLICANT

SITE INFORMATION

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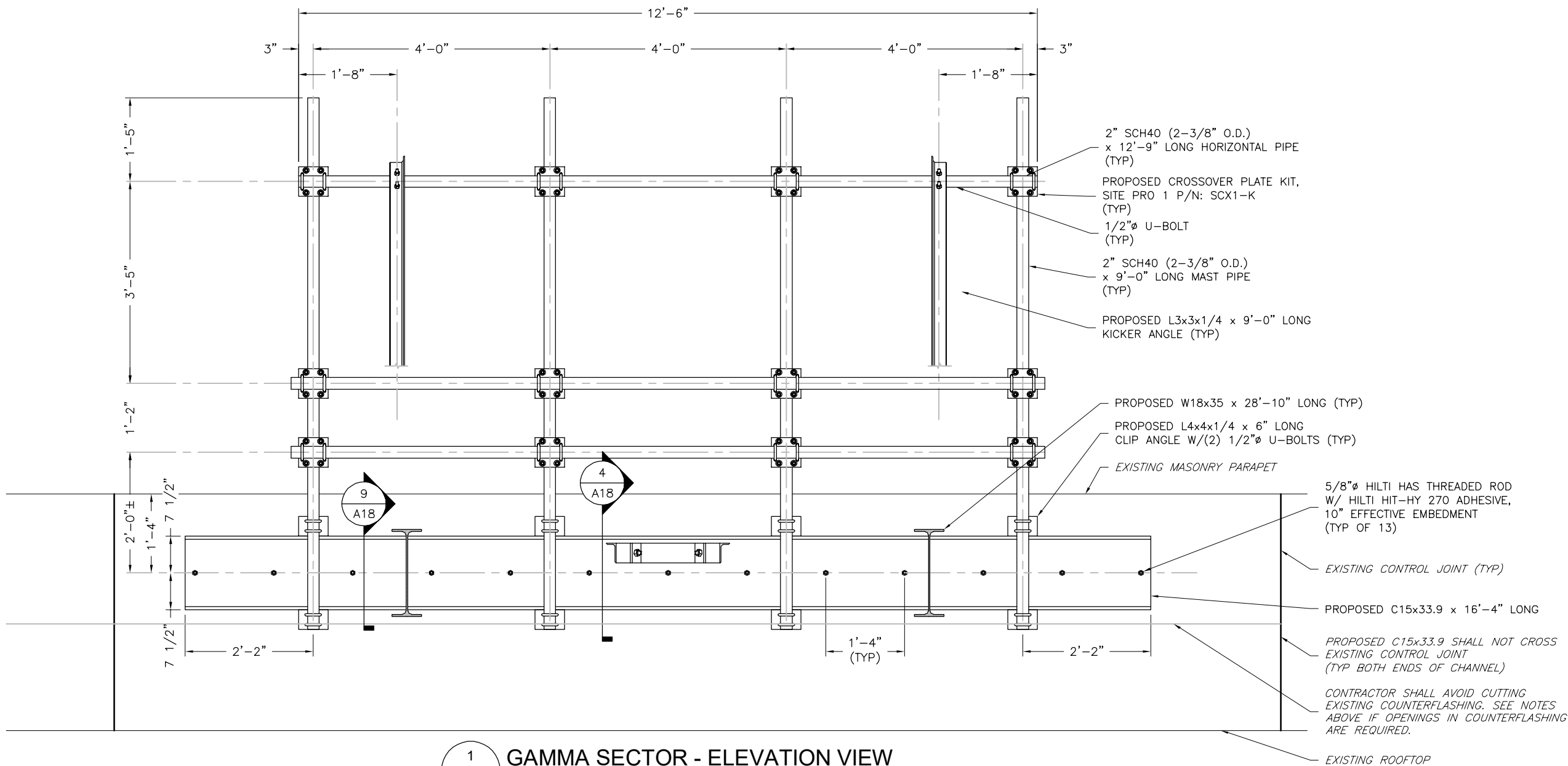
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A	03/09/20	PRELIMINARY CDs	KMD

KRUPAKARAN KOLANDAIVELU, P.E.
STATE OF NEW YORK
PROFESSIONAL ENGINEER
LICENSE #091974

**BETA SECTOR
MOUNT DETAILS**

ANT-021.00
21 OF 23



1
A22
GAMMA SECTOR - ELEVATION VIEW
SCALE: 3/4" = 1'-0"

NOTE:
1. CONTRACTOR MUST FIELD VERIFY DIMENSIONS PRIOR TO BIDDING, PROCUREMENT, AND FABRICATION.
2. CONTRACTOR MUST COORDINATE WITH BUILDING OWNERS APPROVED ROOFER FOR ANY MODIFICATIONS TO FLASHING, COPING, WEATHERPROOFING, WATERPROOFING, AND SEALING PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY THAT THE EXISTING PARTITION WALL IS CONTINUOUS TO GROUND LEVEL.

PROJECT MANAGER

NB+C
TOTALLY COMMITTED.

1777 SENTRY PARKWAY WEST
VEVA 17, SUITE 400
BLUE BELL, PA 19422
(281) 484-0122

ENGINEER

TKK ENGINEERING DPC
PSC #123266
NY CERTIFICATION OF
AUTHORIZATION NO. 0016795

6095 MARSHALLEE DRIVE, SUITE 300
ELK RIDGE, MD 21075
410-712-7092

APPLICANT

at&t
mobility corp.

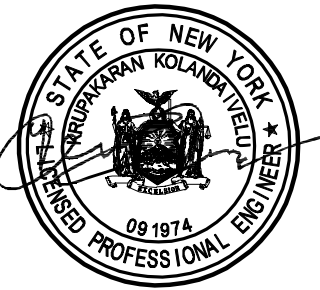
SITE INFORMATION

CALTON AVE
N6353
FA# 14644751
PAGE# MRNYC050603
75 WHITE OAK STREET
NEW ROCHELLE, NY 10801

DESIGN RECORD

REVISIONS			
REV	DATE	DESCRIPTION	BY
3	12/21/20	PERMIT READY	JH
2	12/14/20	REVISED PER COMMENTS	JH
1	06/01/20	REVISED PER COMMENTS	JMC
0	04/15/20	REVISED PER COMMENTS	KMD
A	03/09/20	PRELIMINARY CDs	KMD

PROFESSIONAL STAMP



ENGINEER

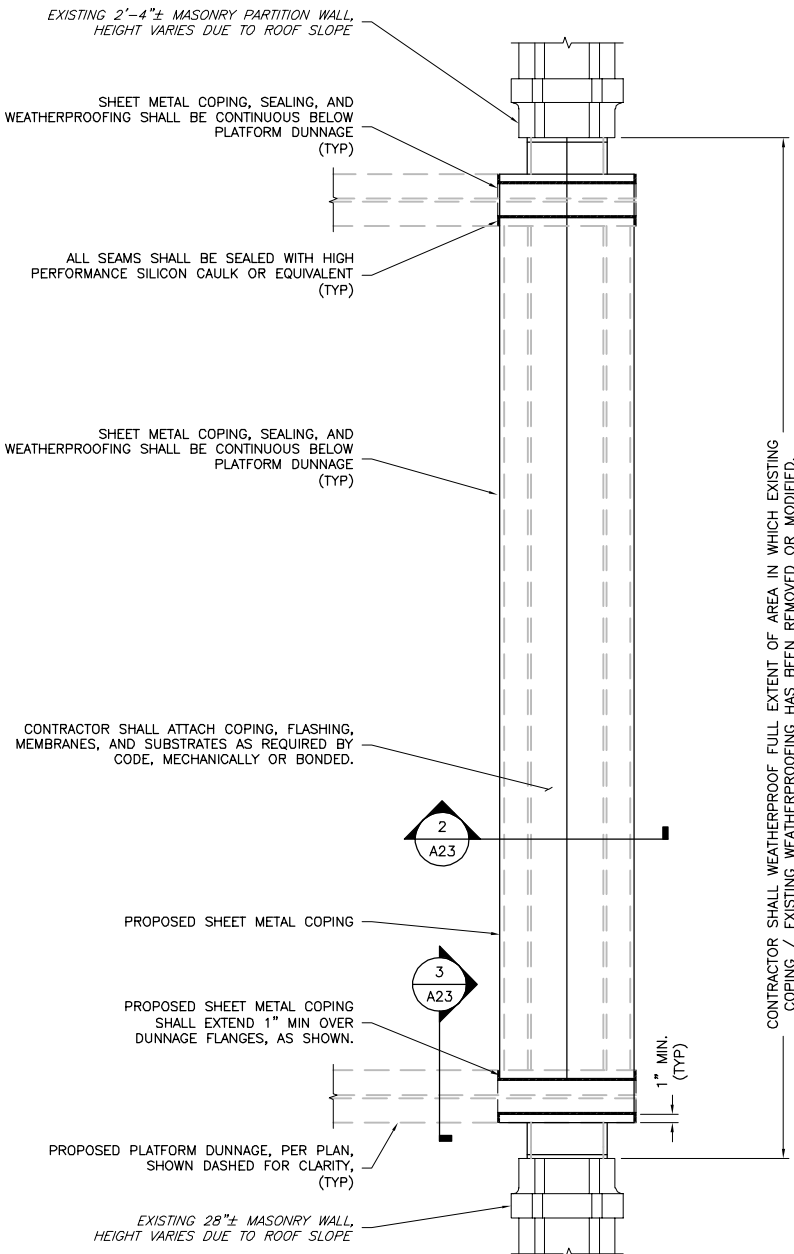
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SHEET TITLE

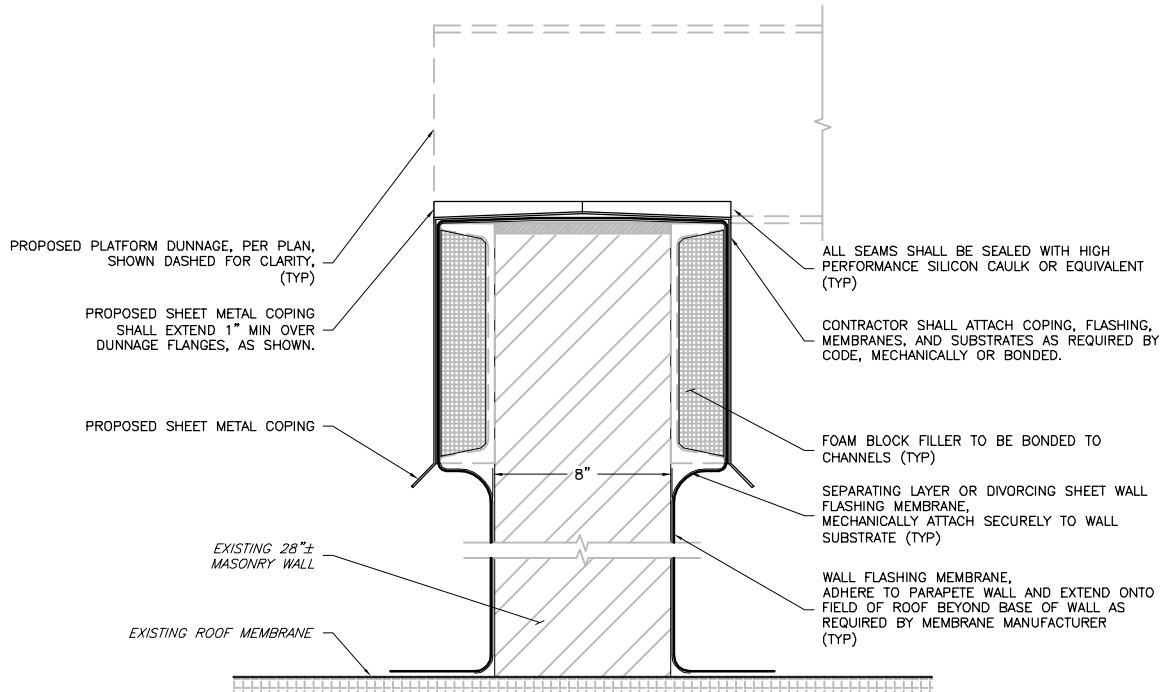
**GAMMA SECTOR
MOUNT DETAILS**

SHEET NUMBER

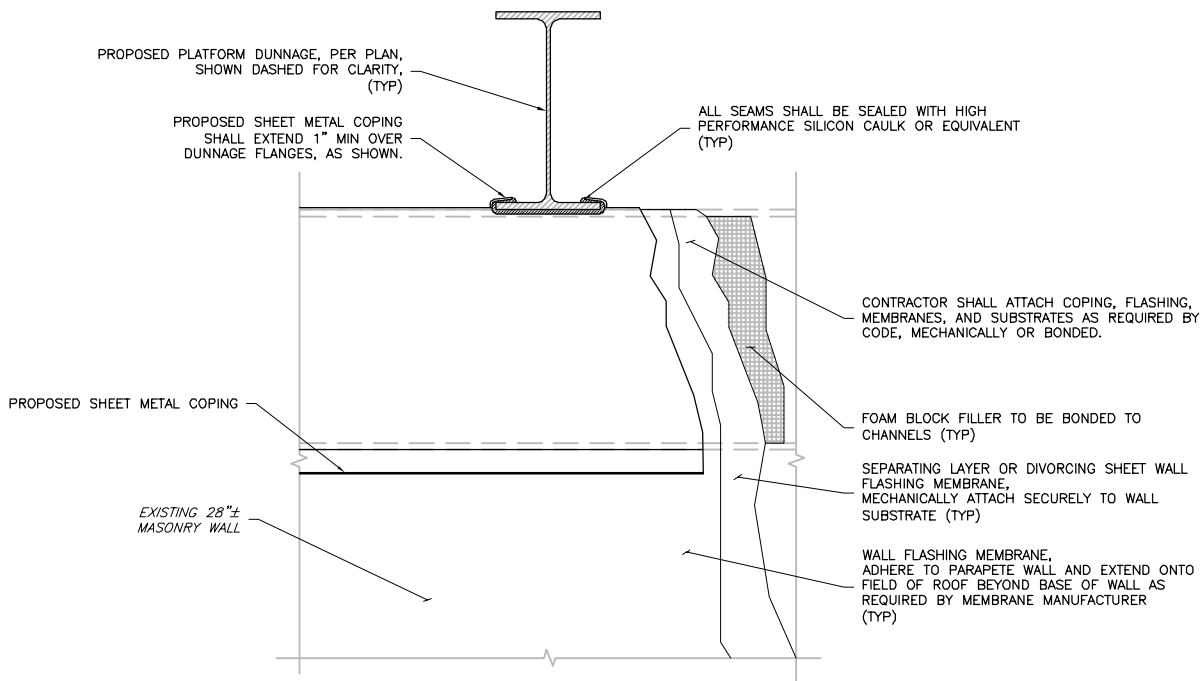
ANT-022.00
22 OF 23



1
A23
FIRE WALL WATERPROOFING - PLAN
SCALE: 1" = 1'-0"



2
A23
FIRE WALL WATERPROOFING - SECTION A
SCALE: NTS



3
A23
FIRE WALL WATERPROOFING - SECTION B
SCALE: NTS

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2. BUILDING OWNERS APPROVED ROOFER MAY DEVIATE FROM THE DETAILS SHOWN ON THIS SHEET AS REQUIRED BY CODE OR STANDARD CONSTRUCTION PRACTICES, AND/OR WEATHERPROOFING PRACTICES, AND/OR TO MAINTAIN EXISTING ROOF MEMBRANE MANUFACTURERS WARRANTY.

PROJECT MANAGER



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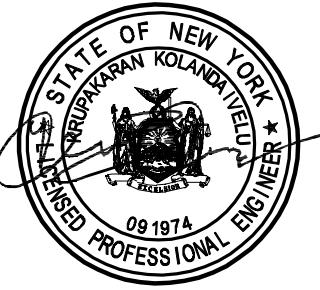
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ENGINEER

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STATE OF NEW YORK
PROFESSIONAL ENGINEER
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SHEET TITLE

FIRE WALL
WATERPROOFING
DETAILS

SHEET NUMBER

ANT-023.00
23 OF 23