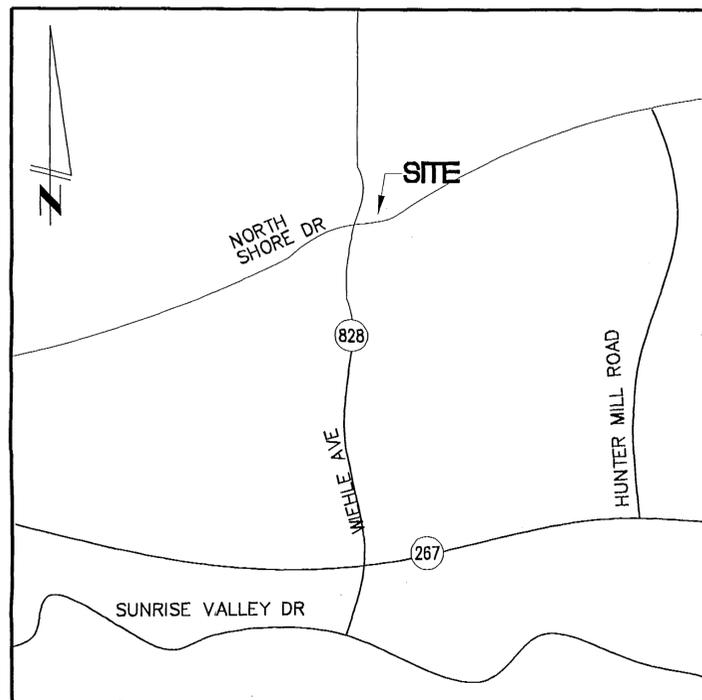


American Personal Communications
Sprint PCS
SPECIAL EXCEPTION AND 15.5-2232
FEATURE SHOWN DETERMINATION PLAT
SITE I.D.# WA33XC929A
TALL OAKS



LOCATION MAP
 NO SCALE

DIRECTIONS (FROM THE CITY OF FAIRFAX): START OUT NORTH ON CHAIN BRIDGE ROAD/VA 123 TOWARDS MAIN STREET/VA-236E BY TURNING LEFT. TURN LEFT ON HUNTER MILL ROAD/VA-674. TURN LEFT ON LAWYERS RD/VA-673. RIGHT ON TWIN BRANCHES RD. RIGHT ON SOUTH LAKES DRIVE. LEFT ON SUNRISE VALLEY DR. RIGHT ON WIEHLE AVE/VA-828. RIGHT ON N. SHORE DR. CENTER IS ON THE LEFT.



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 company
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 2635 Century Parkway
 Suite Eight Hundred
 Atlanta, Georgia 30345
 (4 0 4) 6 3 3 - 8 9 9 8
 F a x : 3 2 5 - 5 4 5 8

Application No. SEA-H-003 Staff CAS
 APPROVED (SE) SP PLAN
 SEE DEV CONDS DATED 4/26/01
 Date of (BOS) (BZA) approval 6/25/01
 Sheet 1 of 15

DATE ISSUED: 5/12/00 D

OWNER'S SIG. _____ DATE _____

PROJECT INFORMATION

SITE NAME: TALL OAKS
 SITE ADDRESS: 12052 NORTH SHORE
 RESTON, VA 20190
 COUNTY: FAIRFAX
 LATITUDE: 38° 57' 41"
 LONGITUDE: 77° 19' 55"
 ZONING CLASSIFICATION: PRC
 OCCUPANCY CLASSIFICATION: OFFICE BUILDING
 HORIZONTAL DATUM: NAD 83
 VERTICAL DATUM: NGVD 29
 TAX MAP: 018-1-05-0008-B
 LAND LOT #: N/A
 JURISDICTION: FAIRFAX COUNTY
 SITE TYPE: ROOF TOP
 AREA OF CONSTRUCTION: APPROX 2550 SF

PROJECT DIRECTORY

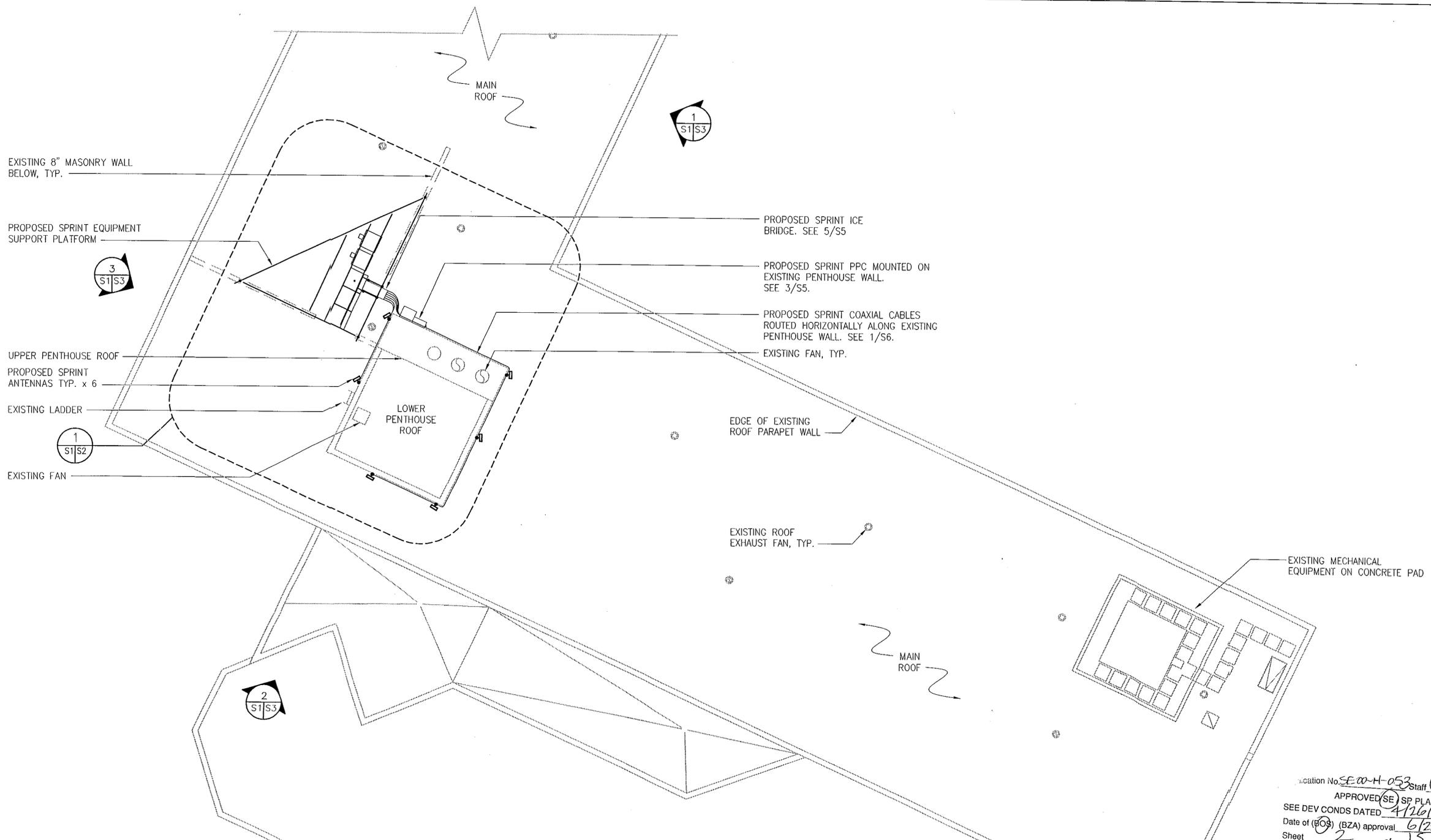
OWNER CONTACT: JOHN ALBERT
 (703) 834-9800
 APPLICANT: SPRINT PCS
 6905 ROCKLEDGE DR., STE. 300
 BETHESDA, MD 20817
 CONTACT: DAVID WALDECK
 WIRELESS IMPLEMENTATION ENGINEER
 (301) 571-4144
 ENGINEER: POND & COMPANY
 2635 CENTURY PKWY., STE. 800
 ATLANTA, GA 30345
 (404) 633-8998
 TELEPHONE CO.: BELL ATLANTIC
 POWER CO.: B.G. & E.
 CONTACT: BRUCE ROSS
 859-9404

CONSTRUCTION DRAWINGS

TITLE	
T1	TITLE SHEET
S1	PARTIAL ROOF PLAN
S2	ENLARGED PARTIAL ROOF PLAN
S3	ELEVATIONS
S3A	ELEVATIONS
S4	ANTENNA ORIENTATION & SCHEDULE & GENERAL NOTES
S5	STRUCTURAL DETAILS
S6	STRUCTURAL DETAILS
S7	SCREEN WALL DETAILS
S8	STRUCTURAL DETAILS
E1	ELECTRICAL PLAN
E2	PARTIAL PLANS
E3	GROUNDING SCHEMATIC
E4	ONE-LINE DIAGRAM & DETAILS
E5	ELECTRICAL SPECIFICATIONS

RECEIVED
 DEPARTMENT OF PLANNING AND ZONING
APR 13 2001
 ZONING EVALUATION DIVISION

SITE NAME: TALL OAKS
 SITE ID NO. WA33XC929A
 REV. No: 2



EXISTING 8" MASONRY WALL
BELOW, TYP.

PROPOSED SPRINT EQUIPMENT
SUPPORT PLATFORM

UPPER PENTHOUSE ROOF
PROPOSED SPRINT
ANTENNAS TYP. x 6

EXISTING LADDER

EXISTING FAN

LOWER
PENTHOUSE
ROOF

MAIN
ROOF

PROPOSED SPRINT ICE
BRIDGE. SEE 5/S5

PROPOSED SPRINT PPC MOUNTED ON
EXISTING PENTHOUSE WALL.
SEE 3/S5.

PROPOSED SPRINT COAXIAL CABLES
ROUTED HORIZONTALLY ALONG EXISTING
PENTHOUSE WALL. SEE 1/S6.

EXISTING FAN, TYP.

EDGE OF EXISTING
ROOF PARAPET WALL

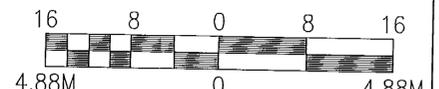
EXISTING ROOF
EXHAUST FAN, TYP.

EXISTING MECHANICAL
EQUIPMENT ON CONCRETE PAD

MAIN
ROOF

Application No. SE-00-H-053 Staff CAS
APPROVED (SE) SP PLAN
SEE DEV CONDS DATED 4/26/01
Date of (BOS) (BZA) approval 6/25/01
Sheet 2 of 15

GRAPHIC SCALE:



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

SCALE: 1/4" = 1'-0" **1** PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"



Sprint PCS
6905 ROCKLEDGE DRIVE
SUITE 300
BETHESDA, MD 20817

NO.	DATE	REVISIONS	BY	CHK	APP'D
	9/23/99	ISSUED FOR CONSTRUCTION	HC	MHH	KES

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Architects & Engineers
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Suite Eight Hundred
Atlanta, Georgia 30345
(4 0 4) 6 3 3 - 8 9 9 8
F a x : 3 2 5 - 5 4 5 8

TALL OAKS
12052 NORTH SHORE DR.
RESTON, VA 20190

SITE NO.: WA33XC929A

PARTIAL ROOF PLAN

DATE:	PondCo JOB NO	SUB. JOB NO.	DRAWING NUMBER	REV
8/25/99	99072-127	-	S1	0

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THIS DOCUMENT.

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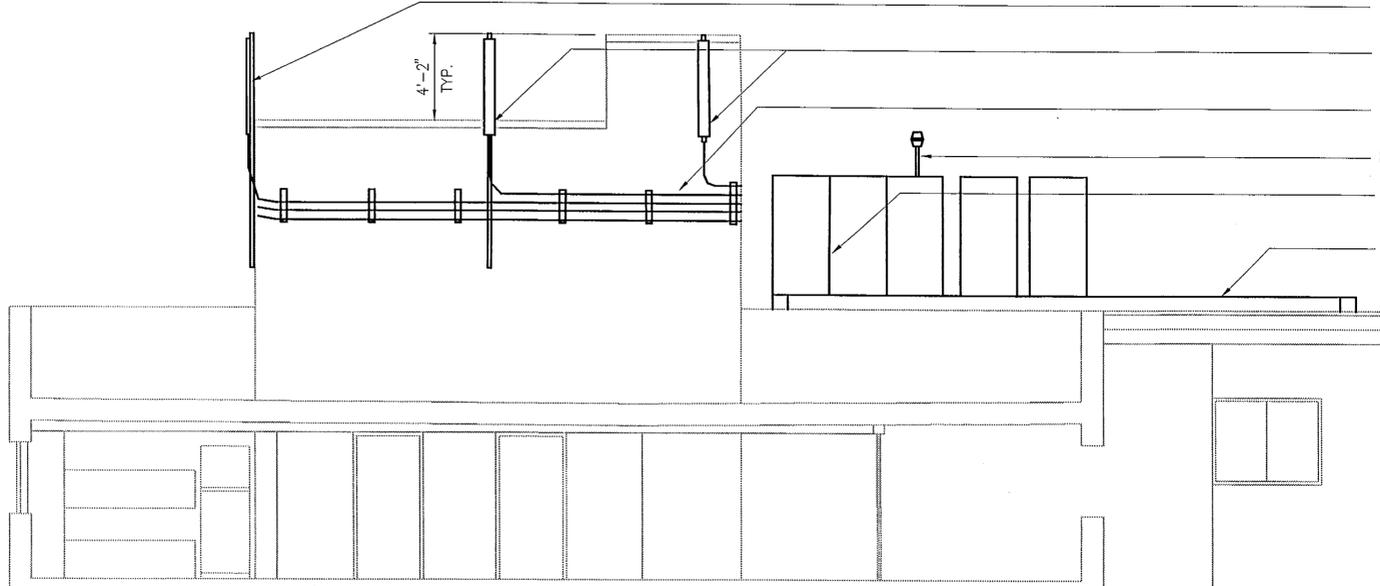
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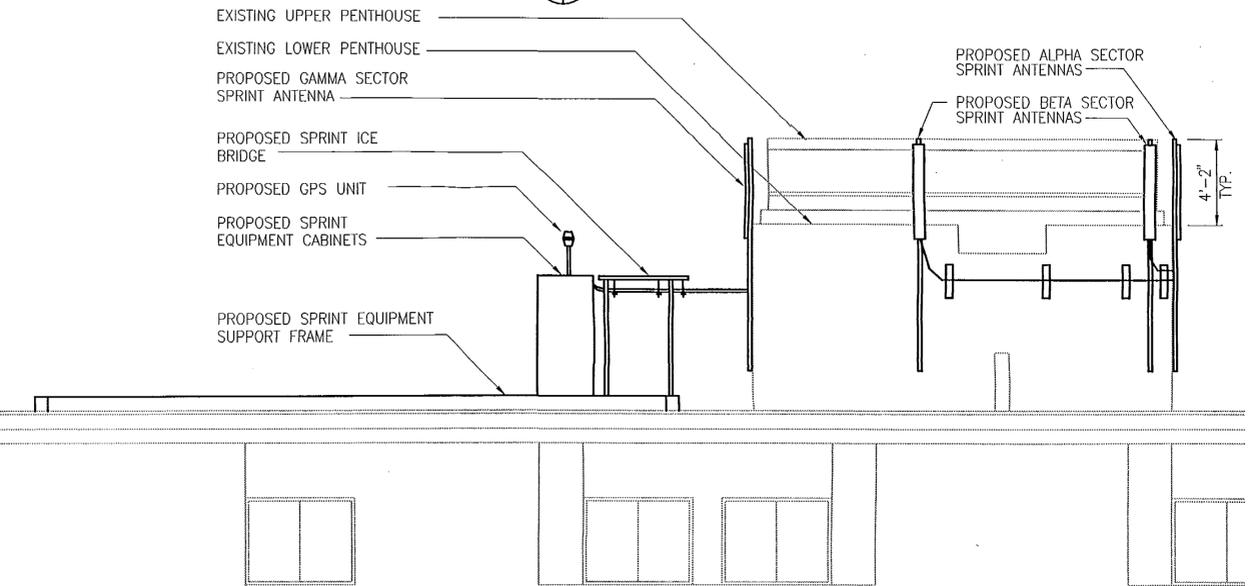
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SITE NAME: TALL OAKS
SITE ID NO. WA33XC929A
REV. No: 0



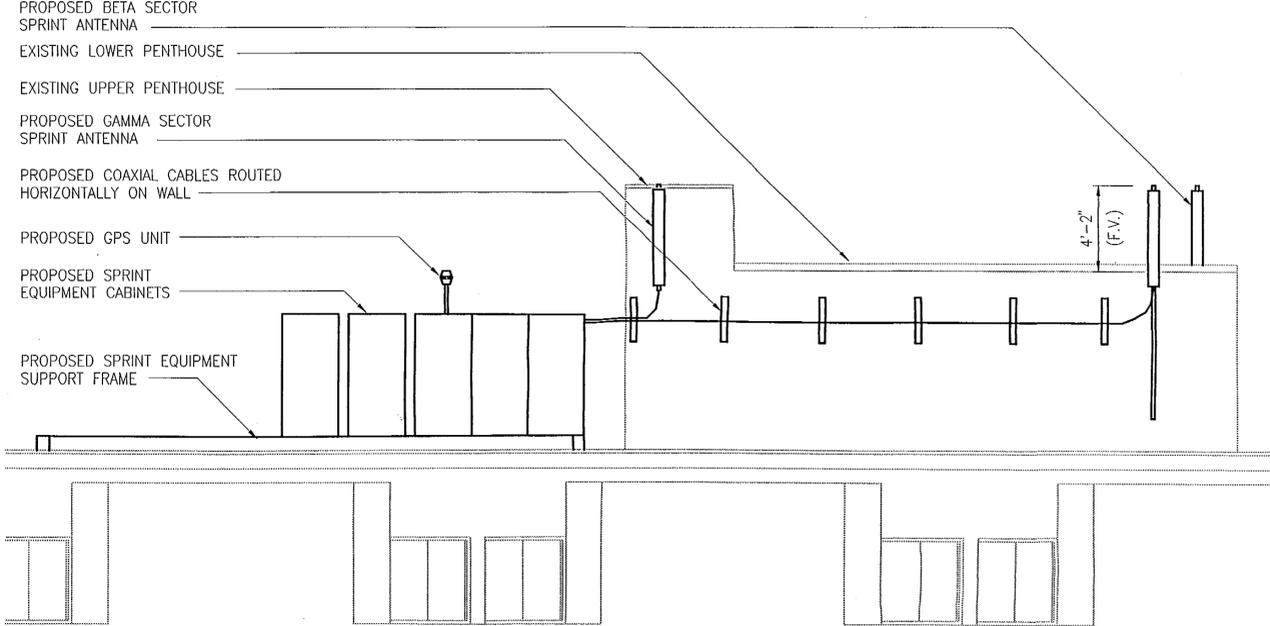
- PROPOSED BETA SECTOR SPRINT ANTENNA
- PROPOSED ALPHA SECTOR SPRINT ANTENNA
- PROPOSED COAXIAL CABLES ROUTED HORIZONTALLY ON WALL
- PROPOSED GPS UNIT
- PROPOSED SPRINT EQUIPMENT CABINETS
- PROPOSED SPRINT EQUIPMENT SUPPORT FRAME

1 PARTIAL EAST ROOFTOP ELEVATION
SCALE: 1/4" = 1'-0"



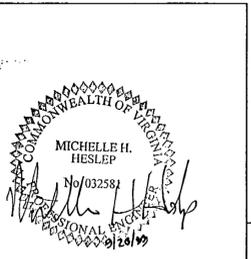
- EXISTING UPPER PENTHOUSE
- EXISTING LOWER PENTHOUSE
- PROPOSED GAMMA SECTOR SPRINT ANTENNA
- PROPOSED SPRINT ICE BRIDGE
- PROPOSED GPS UNIT
- PROPOSED SPRINT EQUIPMENT CABINETS
- PROPOSED SPRINT EQUIPMENT SUPPORT FRAME
- PROPOSED ALPHA SECTOR SPRINT ANTENNAS
- PROPOSED BETA SECTOR SPRINT ANTENNAS

2 PARTIAL SOUTH ROOFTOP ELEVATION
SCALE: 1/4" = 1'-0"

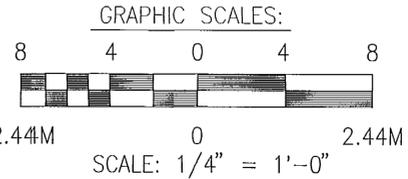


- PROPOSED BETA SECTOR SPRINT ANTENNA
- EXISTING LOWER PENTHOUSE
- EXISTING UPPER PENTHOUSE
- PROPOSED GAMMA SECTOR SPRINT ANTENNA
- PROPOSED COAXIAL CABLES ROUTED HORIZONTALLY ON WALL
- PROPOSED GPS UNIT
- PROPOSED SPRINT EQUIPMENT CABINETS
- PROPOSED SPRINT EQUIPMENT SUPPORT FRAME

3 PARTIAL WEST ROOFTOP ELEVATION
SCALE: 1/4" = 1'-0"



Application No. EE04-053 Staff CAR
 APPROVED (SE) SP. PLAN 4/26/01
 SEE DEV CONDS DATED 6/25/01
 Date of (BOS) (BZA) approval 6/25/01
 Sheet A of 15



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 6905 ROCKLEDGE DRIVE
 SUITE 300
 BETHESDA, MD 20817

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	9/23/99	ISSUED FOR CONSTRUCTION	HC	MHH	KES

SCALE: DESIGNED= DRAWN

BOND
 Architects & Engineers
 2635 Century Parkway
 Suite Eight Hundred
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 (404) 633-8998
 Fax: 325-5458

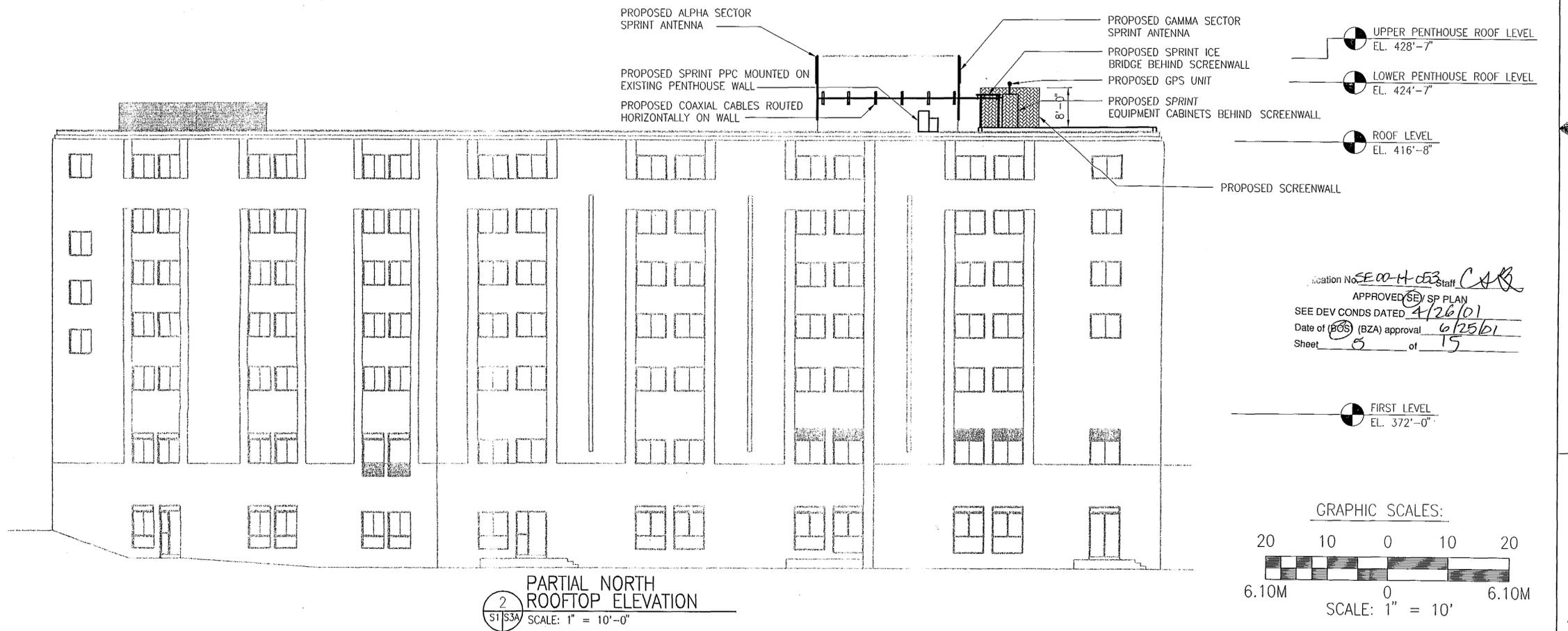
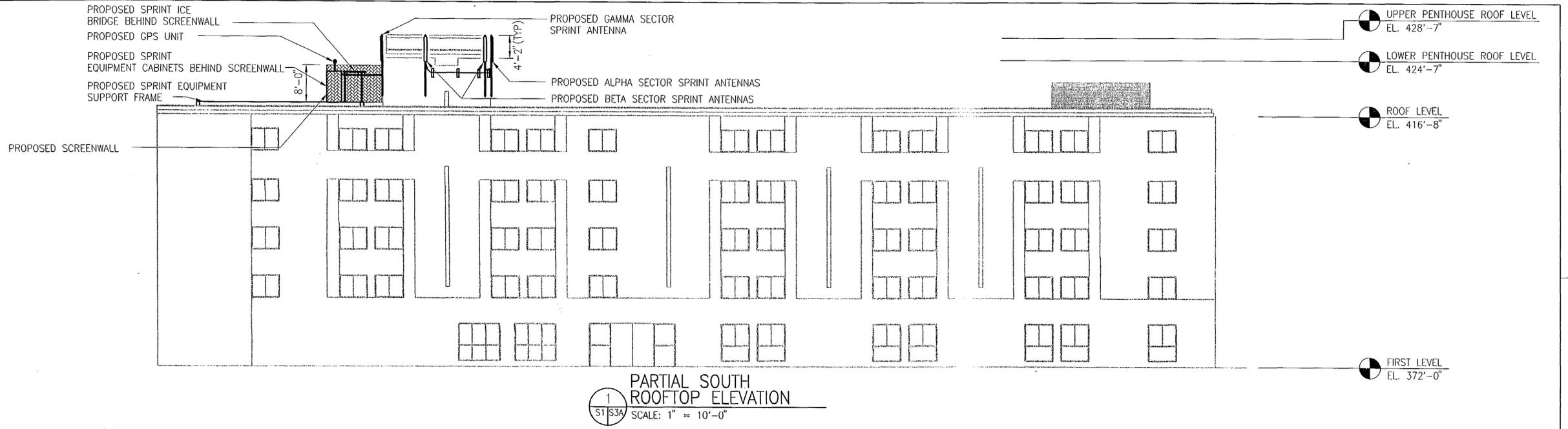
TALL OAKS
 12052 NORTH SHORE DR.
 RESTON, VA 20190

SITE NO.: WA33XC929A				
ELEVATIONS				
DATE:	PandCo JOB NO.	SUB. JOB NO.	DRAWING NUMBER	REV
8/25/99	99072-127	-	S3	0

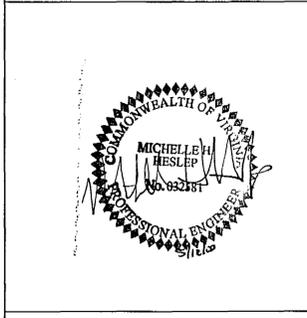
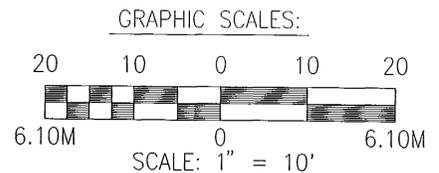
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SITE NAME: TALL OAKS SITE ID NO. WA33XC929A REV. No.: 0

6 5 4 3 2 1



Location No. SE00-H-053 Staff CAR
 APPROVED SE SP PLAN
 SEE DEV CONDS DATED 4/26/01
 Date of (BOS) (BZA) approval 6/25/01
 Sheet 5 of 15



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 6905 ROCKLEDGE DRIVE
 SUITE 300
 BETHESDA, MD 20817

NO.	DATE	REVISIONS	BY	CHK	APP'D
	9/23/99	ISSUED FOR CONSTRUCTION	HC	MHH	KES
1	11/01/99	REVISED PER OWNERS COMMENTS	BAK	MHH	KES
2	5/11/00	REVISED FOR SCREEN WALL	HC	MHH	KES

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 & company
 Architects & Engineers
 2635 Century Parkway
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 (404) 633-8998
 Fax: 325-5458

TALL OAKS
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 RESTON, VA 20190

SITE NO.: WA33XC929A

ELEVATIONS

DATE:	PondCo JOB NO	SUB. JOB NO.	DRAWING NUMBER	REV
8/25/99	99072-127	-	S3A	1

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SITE NAME: TALL OAKS
 SITE ID NO. WA33XC929A
 REV. No: 1

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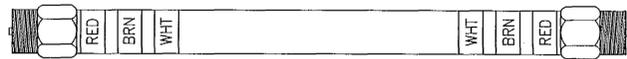
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ANTENNA NOTES:

1. TYPE AND SIZES OF THE ANTENNA CABLES ARE BASED ON ESTIMATED LENGTH. PRIOR TO ORDERING CABLE, CONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY ENGINEER IF ACTUAL LENGTH EXCEEDS ESTIMATED LENGTHS.
2. AS-BUILT DRAWINGS SHALL BE COMPLETED BY FIELD ENGINEER AND ACTUAL CABLE LENGTHS SHALL BE INDICATED IN THE TABLE.
3. AZIMUTHS ARE ORIENTED CLOCKWISE FROM TRUE NORTH.
4. ALL COAX CABLE (INCLUDING JUMPERS) SHALL BE MARKED AT EACH END WITH COLORED TAPE.
5. ALL TOP JUMPERS SHALL BE (6) FEET.
6. ALL COAXIAL CABLE SHALL BE INSTALLED SO THAT ANY BENDS SHALL HAVE, AS A MINIMUM THE ALLOWABLE BENDING RADIUS AS SUPPLIED BY THE MANUFACTURER.
7. ALL COAXIAL CABLE TO BE SECURED TO SUPPORT HARDWARE WITH A SPACING NOT TO EXCEED 4 FEET.



1. COLOR BAND ON MAIN LINE TO BE 2" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
2. COLOR BAND ON JUMPERS TO BE 1" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
3. START COLOR BANDS 2" BEYOND WEATHERPROOFING
4. START SECTOR COLOR NEXT TO END CONNECTOR

ABBREVIATION KEY

Ø	DIAMETER
&	AND
⊥	BEAM SPLICE LOCATION
⊕	CENTER LINE
CONC.	CONCRETE
CONT.	CONTINUOUS
EL.	ELEVATION
E.S.	EACH SIDE
E.W.	EACH WAY
FT.	FEET
F.V.	FIELD VERIFY
GALV.	GALVANIZED
HORIZ.	HORIZONTAL
IN.	INCH
MAX	MAXIMUM
MFR.	MANUFACTURER
MIN	MINIMUM
MPH	MILES PER HOUR
O.C.	ON CENTER
PL.	PLATE
REINF.	REINFORCE
REQ'D	REQUIRED
SIM.	SIMILAR
STD.	STANDARD
STL.	STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
W/	WITH

GENERAL NOTES

A. GENERAL

1. LATERAL LOADS USED IN DESIGN ARE BASED UPON 1996 BOCA NATIONAL BUILDING CODE.
 - A. SEISMIC LOADS:
 - As > .10 Av > .10
 - SEISMIC HAZARD EXPOSURE GROUP = 1
 - SEISMIC PERFORMANCE CATEGORY = C
 - B. WIND PRESSURE:
 - VELOCITY = 70 MPH
 - BASIC PRESSURE = 12.5 PSF
 - C. PLATFORM LIVE LOAD: 40 PSF

2. EQUIPMENT IS ASSUMED TO BE LUCENT TECHNOLOGIES EQUIPMENT WITH DIMENSIONS AS FOLLOWS:
 - POWER CABINET: 66"H X 31"W X 30"D
 - BATTERY CABINET: 60"H X 30.5"W X 31"D
 - FLEXENT CABINET: 71.15"H X 35.4"W X 24"D

IF THIS IS NOT THE EQUIPMENT CHOSEN, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

3. EQUIPMENT IS ASSUMED TO HAVE THE FOLLOWING WEIGHT WHEN FULLY LOADED:
 - POWER CABINET: 1747 LBS.
 - BATTERY CABINET: 2827 LBS.
 - FLEXENT CABINET: 1187 LBS.

IF LOADED WEIGHT WILL EXCEED THIS VALUE, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

4. WHERE SECTION IS SHOWN AND DETAILED, OTHER SECTIONS OF SIMILAR CONDITION SHALL BE DETAILED THE SAME, WHETHER SPECIFICALLY NOTED OR NOT.
5. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.

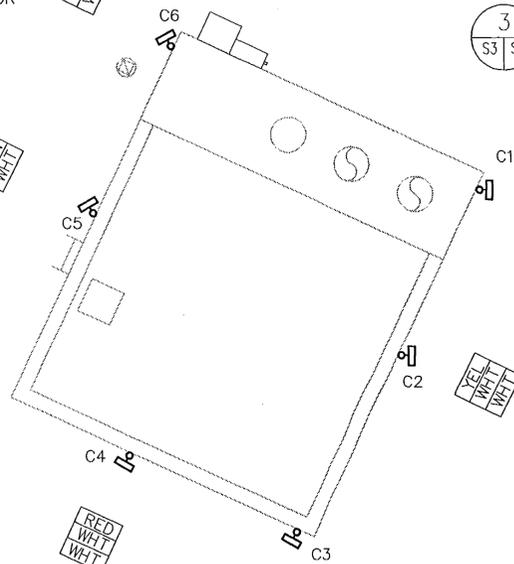
B. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36. STRUCTURAL PIPE SHALL CONFORM TO ASTM A53 GRADE B.
2. BOLTED CONNECTIONS SHALL BE MADE USING HIGH STRENGTH BOLTS ASTM A325 BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE, UNLESS NOTED OTHERWISE. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION", WITH 3/4" DIAMETER BOLTS MINIMUM (OR WELDED EQUIVALENT) UNLESS NOTED OTHERWISE. PROVIDE A MINIMUM OF TWO BOLTS PER CONNECTION.
3. WELDED CONNECTIONS SHALL CONFORM TO AWS SPECIFICATIONS WITH 3/16" FILLET WELD AS A MINIMUM, U.N.O.
4. FIELD ABRASIONS ON GALVANIZED STEEL SHALL BE TOUCH UP PAINTED WITH ZINC RICH GALVANIZING REPAIR PAINT IN ACCORDANCE WITH ASTM A123 G90 AFTER FABRICATION. STEEL VISIBLE FROM THE GROUND SHALL BE PAINTED TO MATCH THE BACKGROUND SURFACE.
5. WITH ASTM A780.
6. ALL NEW STRUCTURAL STEEL, NOT DESIGNATED AS GALVANIZED, SHALL BE SHOP PRIME PAINTED WITH 5 MILS OF STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT 25. ALL BOLTS, WELDS AND PRIME COAT ABRASIONS SHALL BE TOUCH UP PAINTED SUCH THAT A MINIMUM OF 1.5 MIL THICKNESS IS PROVIDED AT ALL LOCATIONS AFTER ERECTION.
7. NEW STEEL NOT DESIGNATED AS GALVANIZED SHALL BE GIVEN A FIELD APPLIED UNDERCOAT OF 5-7 MILS OF MULTIPURPOSE EPOXY PAINT AND A TOP COAT OF 3 MILS OF ALIPHATIC ACRYLIC URETHANE PAINT.

C. STEEL GRATING:

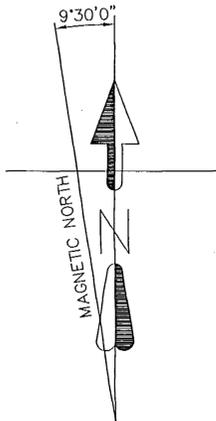
1. STEEL GRATING SHALL HAVE 1" x 3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. ATTACH TO SUPPORTS WITH STANDARD CLIP CONNECTIONS.
2. STEEL GRATING SHALL BE GALVANIZED ACCORDING TO ASTM A123 AFTER FABRICATION.

GAMMA SECTOR ANTENNAS
330° AZIMUTH



3 COLOR CODING
SCALE: NTS

ALPHA SECTOR ANTENNAS
90° AZIMUTH



LATITUDE: N 38°-55'-41"
LONGITUDE: W 77°-19'-55"
ANTENNA HEIGHT = 80.0' AGL

NOTE: SEE 1/2 FOR ANTENNA LOCATIONS



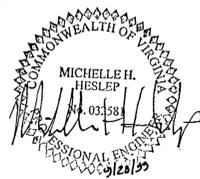
1 ANTENNA MOUNTING FRAME PLAN VIEW
SCALE: NTS

2 ANTENNA ORIENTATION
SCALE: NTS

Application No. EA-003 Staff CB
APPROVED SE SP PLAN
SEE DEV CONDS DATED 1/26/01
Date of (BOS) (BZA) approval 6/25/01
Sheet 6 of 15

NOMINAL CABLE SIZE	CABLE TYPE NUMBER	CABLEWAVE CABLE HANGER TYPE NUMBER	BEND RADIUS
1/2"	FLC 12-50J	920981-010	5"
7/8"	FLC 158-50J	920981-012	20"

FROM/TO	AZIMUTH 90° COAX CABLE TYPE/SIZE	DOWNTILT = 0°		AZIMUTH 210° COAX CABLE TYPE/SIZE	DOWNTILT = 0°		AZIMUTH 330° COAX CABLE TYPE/SIZE	DOWNTILT = 0°	
		LENGTH (FT)			LENGTH (FT)			LENGTH (FT)	
		TRX C1	RX C2		TRX C3	RX C4		TRX C5	RX C6
FROM TOP JUMPER TO END OF ICE BRIDGE	7/8"	38'	48'	7/8"	60'	70'	7/8"	27'	15'
FROM ICE BRIDGE TO PRIMARY RADIO CABINET JUMPER	1/2"	6	6	1/2"	6	6	1/2"	6	6
ANTENNA	ANDREWS PCS 090152 (2)	ANDREWS PCS 090152 (2)		ANDREWS PCS 090152 (2)		ANDREWS PCS 090152 (2)			



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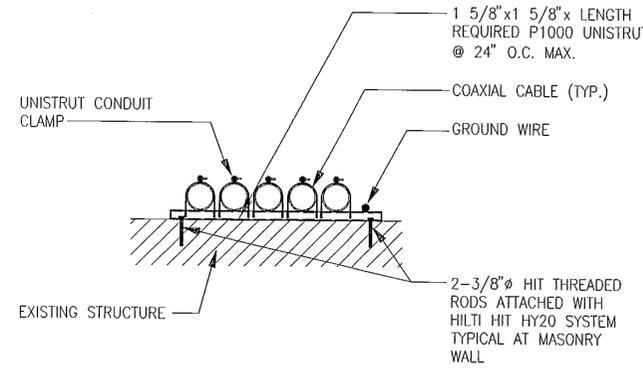
NO.	DATE	REVISIONS	BY	CHK	APP'D
	09/23/99	ISSUED FOR CONSTRUCTION	HC	MHH	KES

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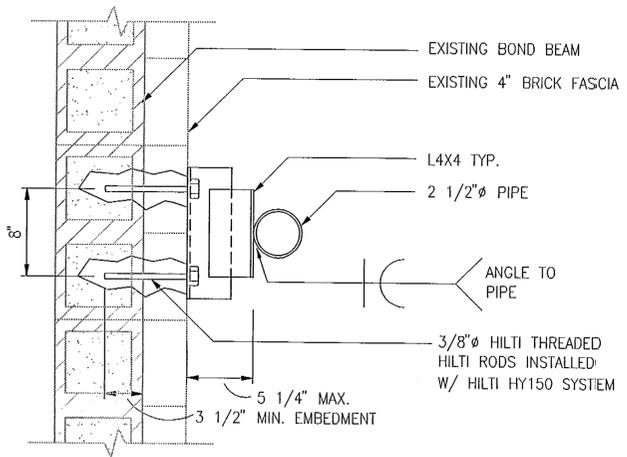
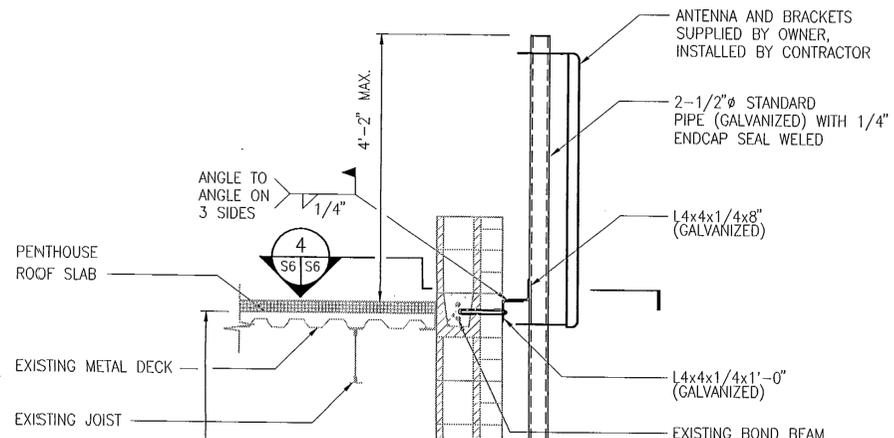
TALL OAKS
12052 NORTH SHORE DR.
RESTON, VA 20190

SITE NO.: WA33XC929A			
ANTENNA ORIENTATION & SCHEDULE & GENERAL NOTES			
DATE:	PondCo JOB NO:	SUB. JOB NO.	DRAWING NUMBER/REV
8/25/99	99072-127	-	S4 0

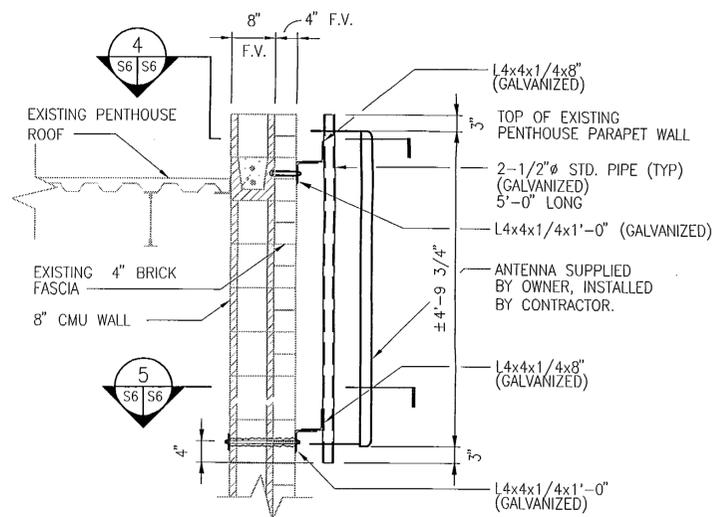
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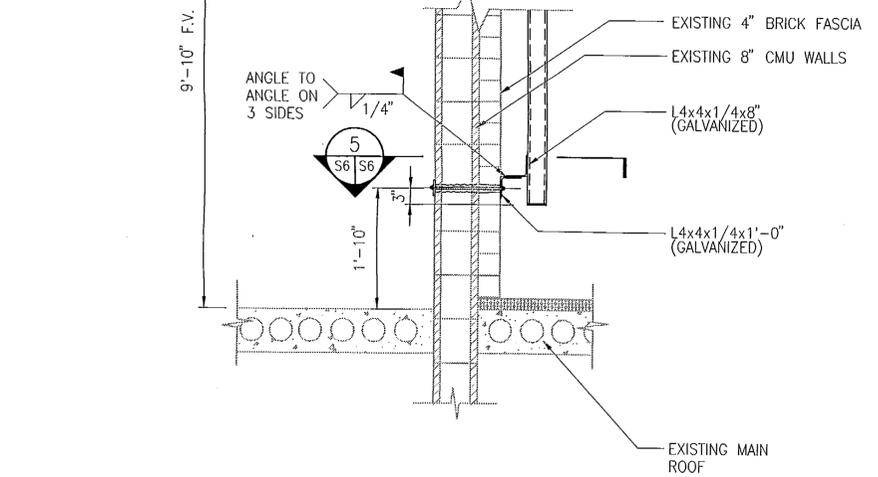
1 CONDUIT SUPPORT DETAIL @ WALL
 S1/S6 SCALE: NOT TO SCALE



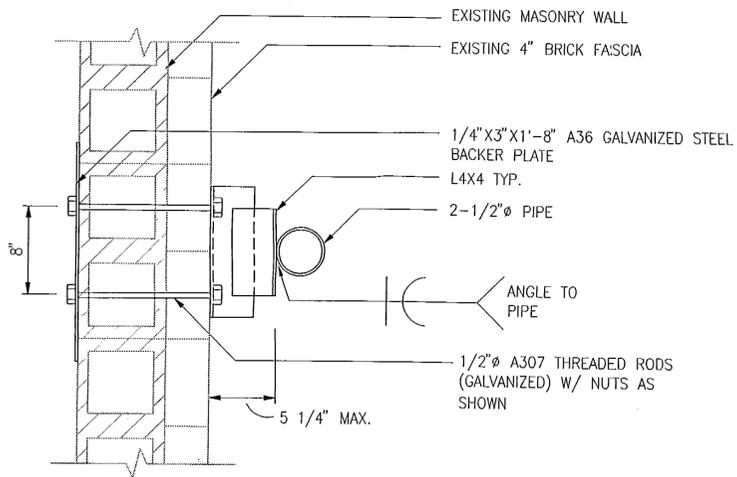
4 ANTENNA SUPPORT SECTION @ EXISTING BOND BEAM
 S6/S6 SCALE: NOT TO SCALE



2 ANTENNA ATTACHMENT DETAIL AT UPPER PENTHOUSE WALL
 S2/S6 SCALE: 3/4" = 1'-0"

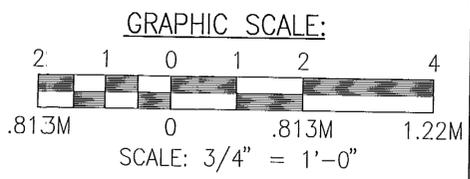


3 ANTENNA ATTACHMENT DETAIL OVER LOWER PENTHOUSE
 S2/S6 SCALE: 3/4" = 1'-0"

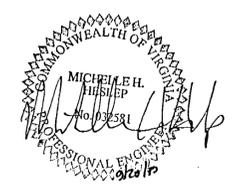


5 ANTENNA SUPPORT SECTION THRU MASONRY WALL
 S6/S6 SCALE: NOT TO SCALE

WATERPROOFING NOTE:
 WHEREVER THE CONTRACTOR'S WORK REQUIRES CUTTING THROUGH EXISTING WATERPROOFING SYSTEMS, THE CONTRACTOR SHALL REPAIR/REPLACE THE EXISTING WATERPROOFING SYSTEM TO THE GREATEST EXTENT POSSIBLE IN ACCORDANCE WITH THE WARRANTOR'S DETAILS AND SPECIFICATIONS



Location No. SEC-04-053 Staff CAB
 APPROVED (SE) SP PLAN
 SEE DEV CONDS DATED 4/26/01
 Date of (BOS) (BZA) approval 6/25/01
 Sheet 8 of 15



Sprint PCS
 6905 ROCKLEDGE DRIVE
 SUITE 300
 BETHESDA, MD 20817

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	9/23/99	ISSUED FOR CONSTRUCTION	HC	MHH	KES

SCALE: DESIGNED= DRAWN

POND & COMPANY
 Architects & Engineers
 2635 Century Parkway
 Suite Eight Hundred
 Atlanta, Georgia 30345
 (404) 633-8998
 Fax: 325-5458

TALL OAKS
 12052 NORTH SHORE DR.
 RESTON, VA 20190

SITE NO.: WA33XC929A	
STRUCTURAL DETAILS	
DATE: 8/25/99	PondCo JOB NO. 99072-127
SUB. JOB NO. -	DRAWING NUMBER S6
REV. 0	

SITE NAME: TALL OAKS
 SITE ID NO. WA33XC929A
 REV. NO.: 0

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SYMBOLS & ABBREVIATIONS

ELECTRICAL SYMBOLS

- ⊗ GROUND ROD TEST WELL
- ⊗ GROUND ROD
- GROUND CONNECTION
- METER
- COPPER GROUND BAR
- CONDUIT TURNED TOWARDS VIEWER
- CONDUIT TURNED AWAY FROM VIEWER
- EXPOSED RACEWAY (UNLESS OTHERWISE NOTED)
- COAXIAL CABLE
- GROUNDING WIRE
- JUNCTION BOX

ABBREVIATIONS

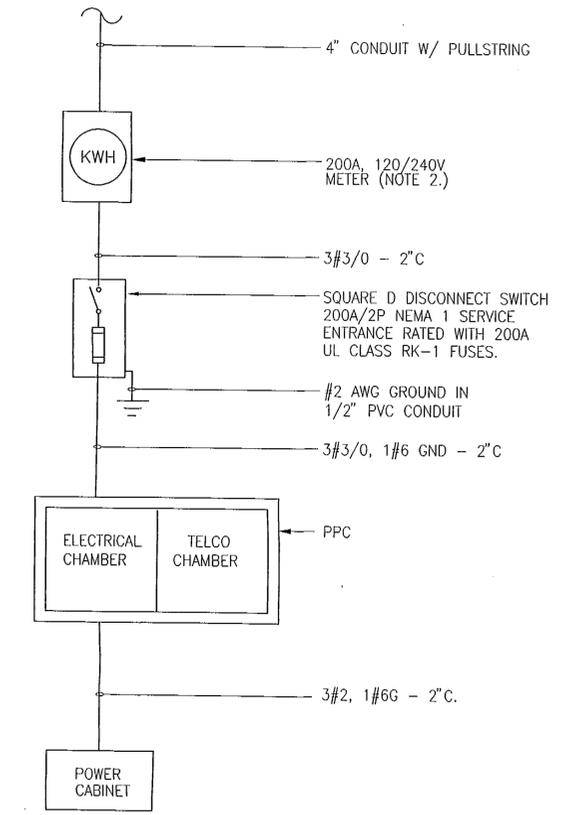
- A AMP(S)
- AIC AMPERE INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAUGE
- BCW BARE COPPER WIRE
- BTS BASE TRANSMISSION SYSTEM
- C CONDUIT
- DWG DRAWING
- G GROUND
- GEN GENERATOR
- GND GROUND
- GPS GLOBAL POSITIONING SYSTEM
- HZ HERTZ
- KWH KILOWATT HOUR
- MIGB MASTER ISOLATED GROUND BAR
- MIN. MINIMUM
- NTS NOT TO SCALE
- P POLE
- PH PHASE
- PC POWER CABINET
- PCS PERSONAL COMMUNICATION SYSTEM
- PPC POWER PROTECTION CABINET
- PRC PRIMARY RADIO CABINET
- PVC POLYVINYL CHLORIDE
- REP. REPRESENTATIVE
- RGS RIGID GALVANIZED STEEL
- RWY RACEWAY
- SCH SCHEDULE
- SPCS SPRINT PCS
- TBD TO BE DETERMINED
- TYP. TYPICAL
- UG UNDERGROUND
- V VOLT(S)
- VPCO VIRGINIA ELECTRIC POWER CO.

NOTES:

- SEE ONE-LINE DIAGRAM 2/E1 FOR CONDUIT AND CONDUCTOR SIZES.
- PENETRATE ELECTRICAL ROOM WALL. SEE 1/E2 FOR CONTINUATION.
- ROUTE CONDUIT MINIMUM 24" BELOW GRADE. COORDINATE ELECTRICAL SERVICE WITH VPCO. LOCATE EXISTING UNDERGROUND UTILITIES BEFORE TRENCHING. COORDINATE CONDUIT ROUTING WITH JOHN ALBERT, LANDLORD, AT (703) 834-9800. AVOID EXISTING MECHANICAL EQUIPMENT YARD AND UNDERGROUND UTILITIES.



UTILITY POWER SUPPLY FROM EXISTING PAD-MOUNTED TRANSFORMER 120/208 VOLT, 1 PH., 60 HZ.

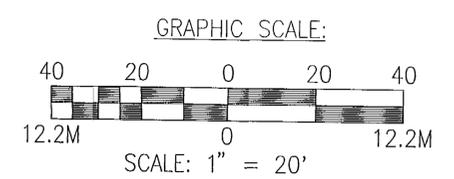


ONE-LINE DIAGRAM NOTES:

- FOR COMPLETE INTERNAL WIRING & ARRANGEMENT FOR PPC, REFER TO VENDOR PRINTS PROVIDED BY MFR.
- COORDINATE ELECTRICAL SERVICE AND METERING REQUIREMENTS WITH VPCO.

2 ONE-LINE DIAGRAM SCALE: NTS

Location No. SE 00-H-053 Staff CAB
 APPROVED (SE) SP PLAN
 SEE DEV CONDS DATED 4/26/01
 Date of (BOS) (BZA) approval 6/25/01
 Sheet 11 of 15



EXTERIOR ELECTRICAL PLAN (NOTE 1.) SCALE: 1" = 20'-0"



Sprint PCS
 6905 ROCKLEDGE DRIVE
 SUITE 300
 BETHESDA, MD 20817

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	9/23/99	ISSUED FOR CONSTRUCTION	BCZ	PP	KES

BOND & COMPANY
 Architects & Engineers
 2635 Century Parkway
 Suite Eight Hundred
 Atlanta, Georgia 30345
 (404) 633-8998
 Fax: 323-5458

TALL OAKS
 12052 NORTH SHORE DR.
 RESTON, VA 20190

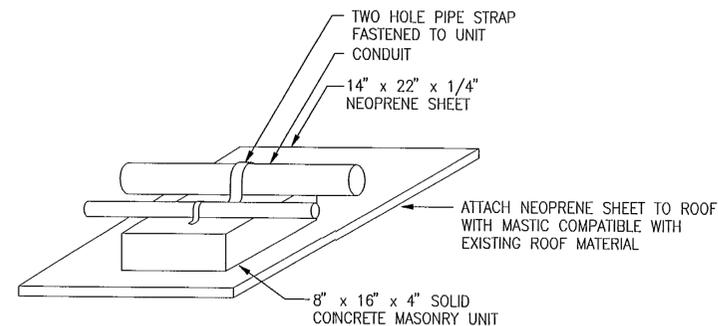
SITE NO.: WA33XC929A	
ONE-LINE DIAGRAM & DETAILS	
DATE:	8/25/99
PondCo JOB NO:	99072-127
SUB. JOB NO.:	-
DRAWING NUMBER:	E1
REV:	0

SITE NAME: TALL OAKS
 SITE ID NO. WA33XC929A
 REV. No.: 0

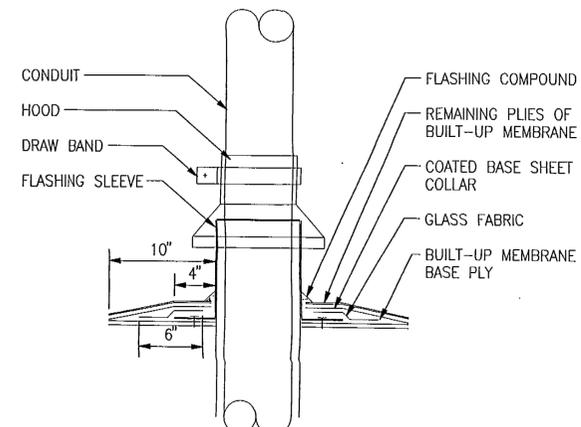
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CODED DRAWING NOTES:

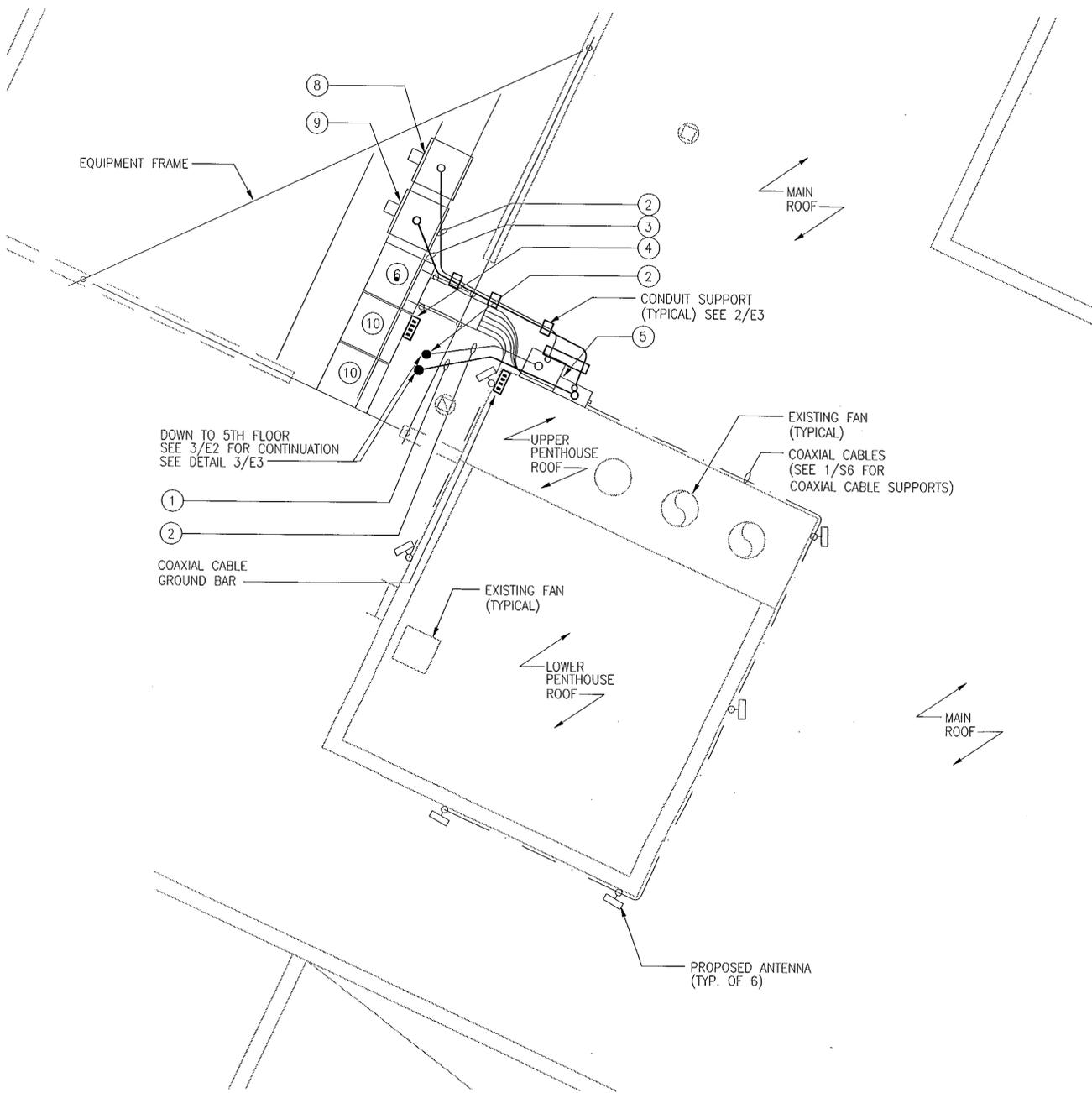
- ① 3#3/0, 1#6 GND IN 2" CONDUIT
- ② 2" C W/PULLSTRING FOR TELCO
- ③ 3#2, 1#6 GND IN 2" CONDUIT
- ④ EQUIPMENT GROUND BAR
- ⑤ PPC (FURNISHED BY SPRINT PCS) COORDINATE STUB-UPS WITH EQUIPMENT SHOP DRAWINGS
- ⑥ FLEXENT MOD CABINET
- ⑦ SEE ONE-LINE DIAGRAM (2/E1) FOR CONDUIT AND CONDUCTOR SIZES.
- ⑧ RADIO CABINET
- ⑨ POWER CABINET
- ⑩ FUTURE FLEXENT MOD CABINET



② CONDUIT SUPPORT DETAIL
E3 | E3 NOT TO SCALE



③ ROOF PENETRATION DETAIL
E3 | E3 NOT TO SCALE



① ROOF ELECTRICAL PLAN (SEE NOTE ⑦)
E2 | E3 SCALE: 1/4" = 1'-0"

COMMONWEALTH OF VIRGINIA
Pamela Ann Postma
PAMELA ANN POSTMA
No. 0402033280
9/28/99
PROFESSIONAL ENGINEER

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SUITE 300
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SCALE DESIGNED= DRAWN

BOND
company
Architects & Engineers
2635 Century Parkway
Suite Eight Hundred
Atlanta, Georgia 30345
(4 0 4) 6 3 3 - 8 9 9 8
F a x : 3 2 5 - 5 4 5 8

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12052 NORTH SHORE DR.
RESTON, VA 20190

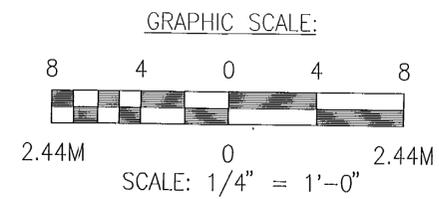
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ELECTRICAL PLAN

DATE:	PondCo JOB NO	SUB. JOB NO.	DRAWING NUMBER	REV
8/25/99	99072-127	-	E3	0

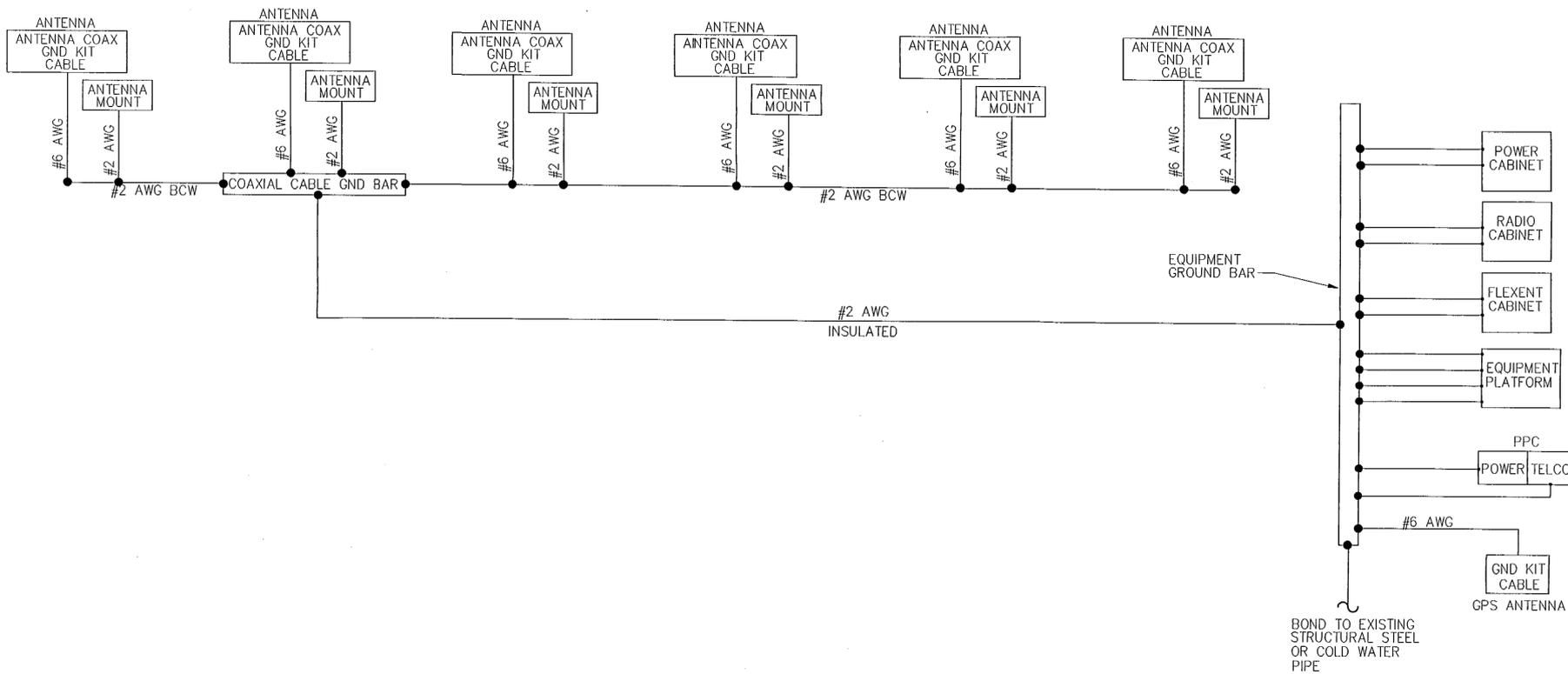
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SITE ID NO. WA33XC929A
REV. No: 0



GROUNDING SYSTEM NOTES:

1. ALL GROUNDING CONNECTIONS MADE THROUGHOUT THIS DRAWING SHALL BE MADE WITH THOMAS AND BETTS KOPR-SHIELD (TM OF JET LUBE INC.). THERE IS NO EQUIVALENT FOR THIS ANTI-OXIDATION COMPOUND. NO OTHER COMPOUND WILL BE ACCEPTED. COAT ALL WIRES BEFORE LUGGING. COAT ALL SURFACES BEFORE CONNECTING.
2. CONTRACTOR SHALL VERIFY THE ADEQUACY OF THE INSTALLED SYSTEM. CONTRACTOR SHALL CONDUCT "SITE RESISTANCE TO EARTH GROUNDING TESTING". INSTALLED SYSTEM SHALL ACHIEVE A GROUND RESISTANCE OF LESS THAN 5 OHMS.
3. RECORD GROUND RESISTANCE TEST RESULTS ON SPRINT "GROUND RESISTANCE TEST" FORM.
4. TEST SHALL BE WITNESSED BY SPRINT REPRESENTATIVE.
5. EQUIPMENT GROUND BAR SHALL BE 1/4" X 4" X 20", AND COAXIAL CABLE GROUND BARS SHALL BE 1/4" X 4" X 20". PROVIDE ADDITIONAL GROUND BAR FOR COAXIAL CABLE RUNS LONGER THAN 200'.
6. ALL GROUNDING CONDUCTORS FOR EQUIPMENT SHALL BE ROUTED TO EQUIPMENT GROUND BAR.
7. BARE COPPER CONDUCTORS SHALL NOT BE INSTALLED WHERE THEY MAY BE IN CONTACT W/ GALVANIZED METALS. THE CONDUCTORS SHALL BE INSULATED OR ENCLOSED IN PVC CONDUIT OR PLACED ON STAND OFF SUCH THAT NO CONTACT BETWEEN DIFFERENT MATERIALS MAY TAKE PLACE.
8. CONNECTION OF COPPER CONDUCTORS TO GALVANIZED MATERIALS SHALL BE AVOIDED. BRASS OR STAINLESS STEEL LUGS OR BAIRS SHALL BE USED FOR THESE CONNECTIONS.
9. WHEN COPPER CONDUCTORS ARE CONNECTED TO ALUMINUM SURFACES OR CONDUCTORS, LUGS, OR SPLIT BOLTS MARKED WITH THE DESIGNATION AL/CU SHALL BE USED.
10. GROUND CONDUCTORS ARE #2 BARE TINNED SOLID COPPER UNLESS INDICATED OTHERWISE. WHEN DIRECTION OF CONDUCTOR CHANGES, IT SHALL BE DONE GRADUALLY.



1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

D
C
B
A
SITE NAME: TALL OAKS SITE ID NO. WA33XC929A REV. No: 0



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Sheet 14 of 15

SITE NO.: WA33XC929A				
GROUNDING SCHEMATIC				
DATE:	PondCo JOB NO.	SUB. JOB NO.	DRAWING NUMBER	REV
8/25/99	99072-127	-	E4	0

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