



CURRENT

VIEW #1 LOOKING SOUTHEAST



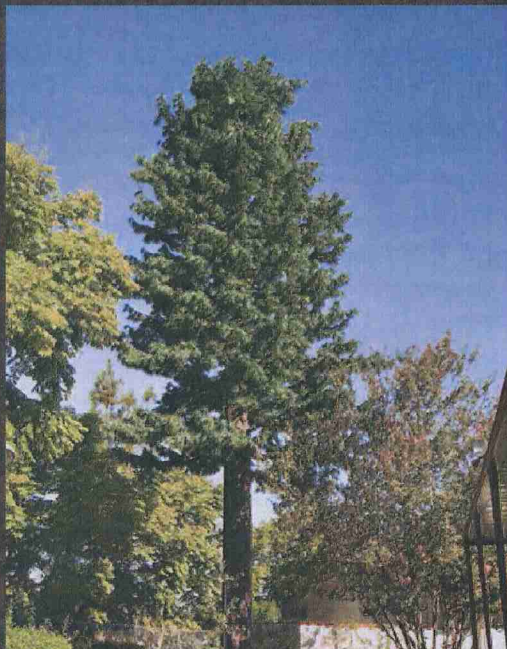
PROPOSED

LARSON

CAMOUFLAGE

[HOME](#)[ABOUT](#)[PRODUCTS](#)[PROCESS](#)[QUALITY](#)[MEDIA](#)[CONTACT](#)

[Mono-Pine](#) • [Mono-Palm](#) • [Saguaro](#) • [Slimline/Cypress](#) • [DAS](#) • [Mono-Elm](#) • [Architectural](#) • [WaterTowers, Steeples, etc.](#) • [Refurbishment](#)



Mono-Pines

Larson created the first Mono-Pine camouflaged cellular tower in 1992 launching the concealed tower industry. Ever since, Larson has been leading the industry with new and improved designs and products. With unique features like Larson antenna branches and matching antenna "socks", the antennas installed on the trees pictured left and bottom right below (each has 9 antennas and other equipment installed) are virtually invisible.

While it is important for the antennas to be "invisible" to people, it is just as important for the branches be "invisible" to the RF signal. That's why Larson uses only RF friendly materials to fabricate its branches resulting in extremely low insertion and return loss properties that are needed for today's wireless networks to function at peak performance.

Mono-Pine Branch Density Options



3 Branches per Foot
with Antenna Socks



3 Branches per Foot
with Antenna Socks



3 Branches per Foot
with Antenna
Branches



2 Branches per Foot



2.25 Branches per
Foot

LARSON CAMOUFLAGE, LLC

CONTACT

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tucson, az 85713

Larson Camouflage, LLC

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[illegible]



NO.	DATE	ISSUE BLOCK
07-10-14	07-10-14	Z0 ANTENNA REVS
08-28-14	08-28-14	CD PRELIM
09-15-14	09-15-14	CD FINAL
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06-03-15	06-03-15	EQUIP PLAN REVS

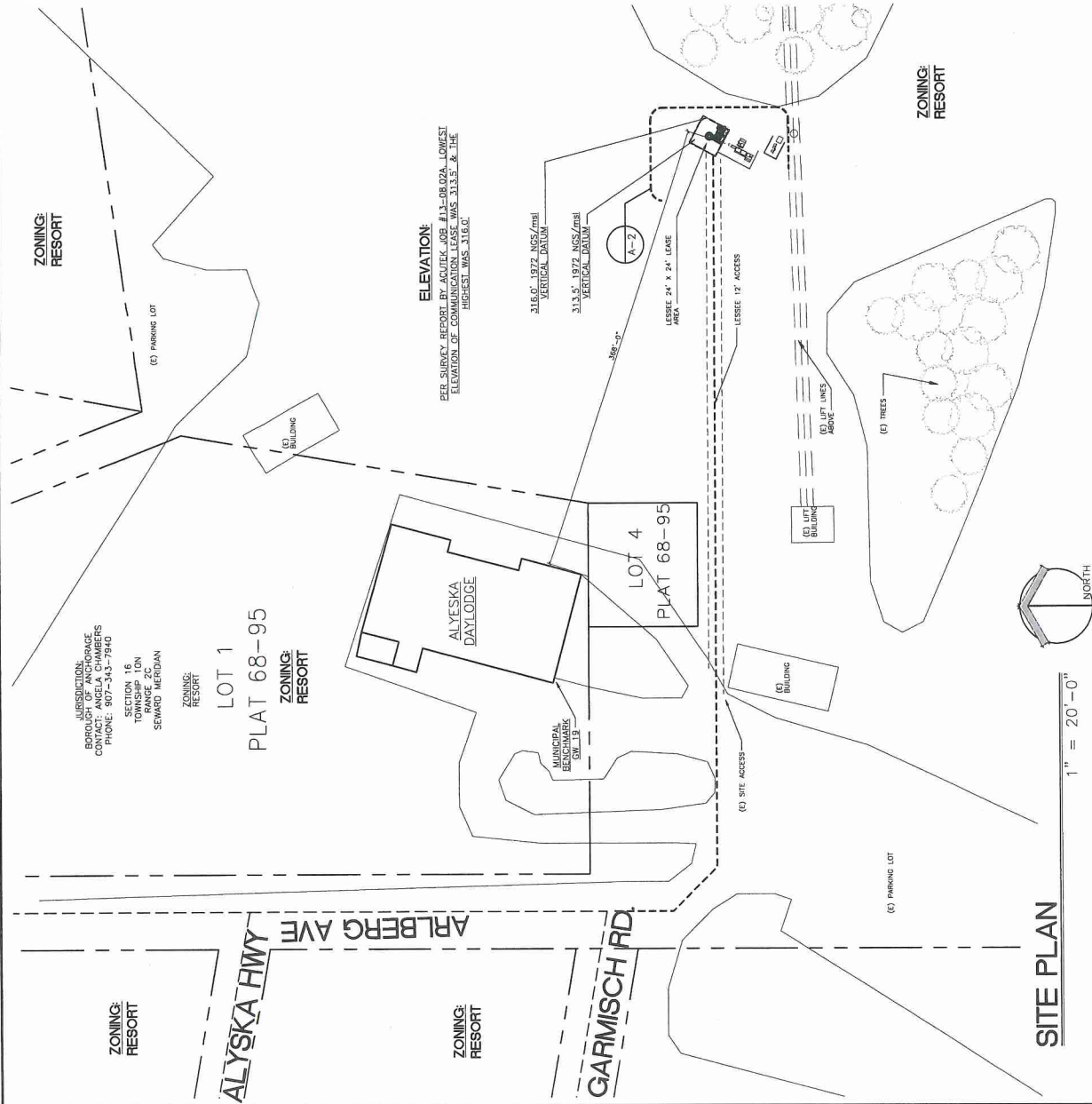
PROJECT:
AK ALYESKA
- ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:

A

GENERAL NOTES:

1. DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE, AND THE SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
2. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL CONSIDER THEMSELVES WITH ALL CONDITIONS AFFECTING THE NEW CONSTRUCTION, INCLUDING THE CONSTRUCTION AND CONTRACT DOCUMENTS, TO BE ACCURATELY AS SHOWN. PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/OWNER IN WRITING.
3. THE GENERAL CONTRACTOR SHALL RECEIVE WRITING FROM THE ARCHITECT/OWNER REGARDING THE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PROTECTION OF EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS AND IN ACCORDANCE WITH ALL LOCAL CODES OR ORDINANCES HAVE PRECEDENCE.
6. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH ALL LOCAL AND STATE CODES, REGULATIONS AND SAFETY REGULATIONS. ALL OSHA REGULATIONS, ANY UTILITY COMPANIES' REGULATIONS AND DIRECTIVES (LAWS, ORDINANCES, RULES, REGULATIONS, ORDINANCES, ORDINANCES, ORDINANCES, AND ORDERS OF ANY PUBLIC AUTHORITY.
7. ALL WORK PERFORMED ON PROJECT AND MATERIALS APPLIED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, AND LOCAL AND STATE REGULATIONS. ADDITIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
8. THE STRUCTURAL COMPONENTS OF THIS PROJECT (PILE/FAULT/PILE ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT).
9. AN ANTENNA SUPPORTING POLE IS UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION, SUB-CONTRACTOR IN TERMS OF COORDINATION RESPONSIBLE FOR PROTECTION OF PERSONNEL AND PROPERTY FROM OVERHEAD EXPOSURE TO OVERHEAD DANGERS.
10. GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS FOR THE PROJECT FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
11. DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, FACILITIES, PAVING, CURBING, ETC., DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REMOVE ALL EXISTING DAMAGE TO PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM SPOTS, STAINS, DUST, OR SMUDGES OF ANY NATURE.
13. CONTRACTOR SHALL ENSURE THE GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBERBAND AND REMOVE ALL EXISTING DAMAGE TO PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM SPOTS, STAINS, DUST, OR SMUDGES OF ANY NATURE.
14. THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS ARE TO BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS AND REPORT ANY AND ALL DISCREPANCIES TO REPRESENTATIVE. ANY HUMAN ERRORS AND OMISSIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/OWNER FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
15. THE CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS AND ELECTRICAL LINES AND CABLE BENDING.
16. VERIFICATION THAT EXISTING TOWER/POLE CAN SUPPORT THE WEIGHT OF THE ADDITIONAL EQUIPMENT LOADING IS TO BE DONE BY OTHER.





DATE	ISSUE BLOCK
07-10-14	2D ANTENNA REVS
08-28-14	1D PRELIM
09-15-14	1D FINAL
11-06-14	1D COMMENTS
02-25-15	TOWER REVS
03-17-15	NOTE REVS
05-13-15	REVS
06-03-15	EQUIP PLAN REVS

PROJECT:

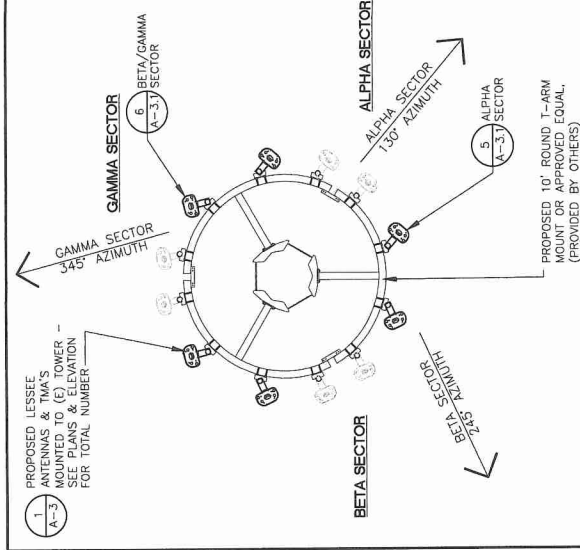
AK ALYESKA - ALT 1

104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:

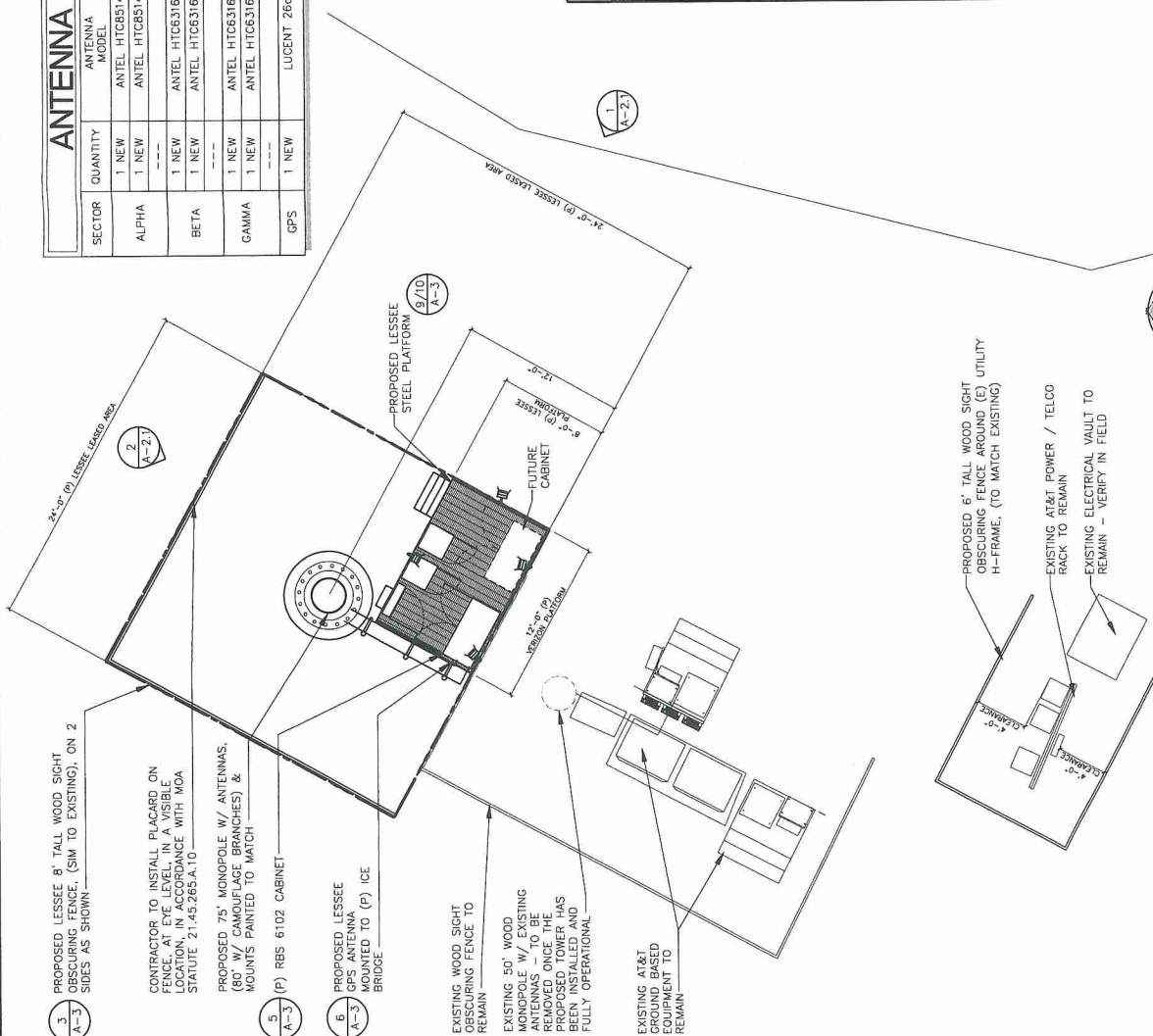
A-2

ANTENNA / COAX SCHEDULE									
SECTOR	QUANTITY	ANTENNA MODEL	RAD CNT	ANT. SIZE	AZIMUTH	NUMBER OF COAX RUNS	COAX SIZE	COAX LENGTH	TMA
ALPHA	1 NEW	ANTEL HTC8514R00	67	4'-10"	130°	2 NEW	7/8"	95'-0"±	YES
	1 NEW	ANTEL HTC8514R00	67	4'-10"	130°	2 NEW	7/8"	95'-0"±	YES
	---	---	---	---	---	---	---	---	---
BETA	1 NEW	ANTEL HTC6316R000	67	7'-0"	245°	2 NEW	7/8"	95'-0"±	YES
	1 NEW	ANTEL HTC6316R000	67	7'-0"	245°	2 NEW	7/8"	95'-0"±	YES
	---	---	---	---	---	---	---	---	---
GAMMA	1 NEW	ANTEL HTC6316R000	67	7'-0"	345°	2 NEW	7/8"	95'-0"±	YES
	1 NEW	ANTEL HTC6316R000	67	7'-0"	345°	2 NEW	7/8"	95'-0"±	YES
	---	---	---	---	---	---	---	---	---
GPS	1 NEW	LUCENT 26dB	12'-0"	---	---	---	---	---	---



ANTENNA PLAN

1/2" = 1'-0"



ENLARGED PLAN

3/8" = 1'-0"



PLANS PREPARED FOR:
Verizon Wireless

PLANS PREPARED BY:
West Tower Communications, Inc.

Select Site Acquisition, LLC
10000 1st Avenue, Suite 100
Issaquah, WA 98027
Phone: 206-750-4466

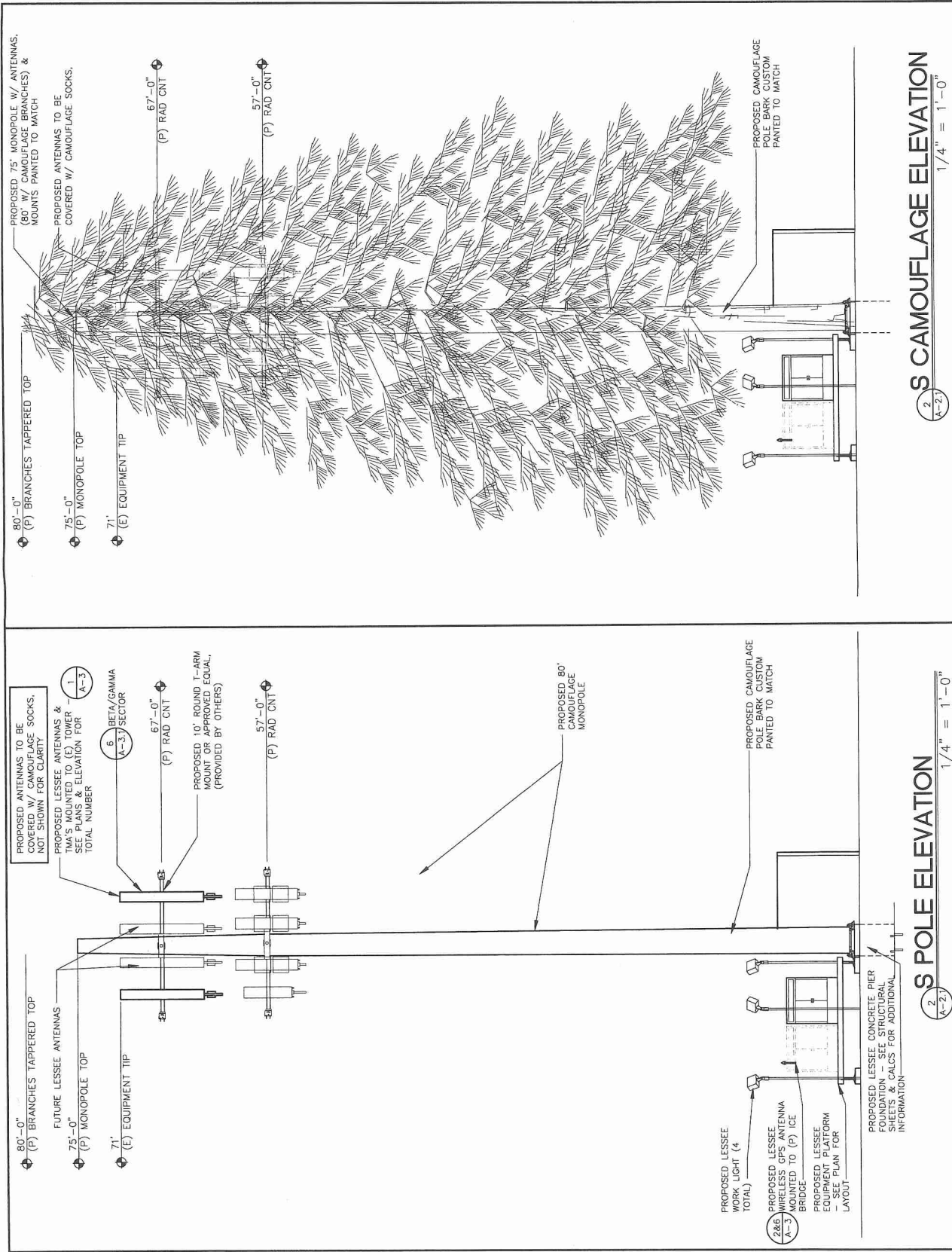
DHD
Architecture PLLC
13424 246TH Ave SE
Issaquah, WA 98027



NO.	DATE	DESCRIPTION
01	06-03-15	ISSUE BLOCK
02	07-10-14	2D ANTENNA REVS
03	08-28-14	0D PRELIM
04	09-15-14	0D FINAL
05	11-06-14	0D COMMENTS
06	02-23-15	TOWER REVS
07	03-17-15	NOTE REVS
08	05-13-15	REVS
09	06-03-15	EQUIP PLAN REVS

PROJECT:
AK ALYESKA - ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:
A-2.1



WesTower
Communications, Inc.
890330

Select Site
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NO.	DATE	ISSUE BLOCK
5	07-10-14	ZD ANTENNA REVS
6	08-28-14	CD PRELIM
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9	02-25-15	TOWER REVS
10	03-17-15	NOTE REVS
11	05-13-15	REVS
12	06-03-15	EQUIP PLAN REVS

A

- SUBGRADE AND BASE PREPARATION:

2. FOR SLAB-IN-CHORD CONSTRUCTION IT WILL BE NECESSARY TO OVERCONCRETE THE SITE BY 2"-0" AND POUR AN APPROVED GRANULAR FILL. THE FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY UNIT WEIGHT WITH A MOISTURE CONTENT AT OR BELOW THE MAXIMUM PERMISSIBLE. THE FILL SHALL BE CONFINED BY A MINIMUM OF 12" OF GRANULAR FILL ON EACH SIDE.
3. THE PROPOSED STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MODIFIED PROCTOR TEST (ASTM D-1557) COMPACTION REQUIREMENTS APPLY TO BACKFILL FOR UTILITY TRENCHES AND FOUNDATION EXCAVATIONS WITHIN STRUCTURES, DRIVEWAYS, OR PARKING LOT AREAS.
4. COMPACTOR SHALL BE COMPLETED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY 6" TO 8" LOOSE LIFTS AND MECHANICALLY COMPACTING TO AT LEAST THE SPECIFIED MAXIMUM DRY DENSITY.
5. EXCAVATED TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.
6. EXCAVATED FROM RAINFALL AREAS.
7. THE GROUND SURFACES SURROUNDING EXTERIOR STRUCTURES SHALL BE SLOPED TO DRAIN AWAY IN ALL DIRECTIONS.

A-3 NOT TO SCALE



A-3 NOT TO SCALE

- NO VOLTAGE 33 - 6V

1530 JOURNAL OF CLIMATE


$$A=3 \quad 1/2^\circ = 1^\circ - 0^\circ$$

$$\overline{r' = 1 - 0.5}$$


ANTI-EMININ

[illegible]
$$\overline{r' = 1 - 0.5}$$


$\frac{1}{2} = 1' - 0''$

PLANS PREPARED FOR:



PLANS PREPARED BY:

West Tower
Communications, Inc.

Select Site
Acquisition, LLC

P.O. Box 1992, Maple Valley, WA 98048
Cable 206-764-6665

DHD
Architecture PLLC

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Issaquah, WA 98027



ISSUED DATE:

06-03-15

NO.	DATE	ISSUE BLOCK
07-10-14	2D ANTENNA REVS	
08-28-14	CD PRELIM	
09-15-14	CD FINAL	
11-06-14	RF COMMENTS	
02-26-15	TOWER REVS	
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03-13-15	REVS	
06-03-15	EQUIP PLAN REVS	

PROJECT:

AK ALYESKA
- ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:

A-3.1

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND STIPULATED IN THE SPECIFICATION PROJECT SUMMARY.
2. RUBBISH, STUMPS, DEBRIS, STOPS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN AN APPROPRIATE MANNER.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN, FROZEN OR PARTIALLY FROZEN GROUND. ALL FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON UNFROZEN GROUND.
5. THE SURFACE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH AND UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.

SUBGRADE AND BASE PREPARATION:

1. FOR SUB-ON-GRADE CONSTRUCTION, IT WILL BE NECESSARY TO OVEREXCAVATE THE EXISTING GROUND TO A MINIMUM OF 12" BELOW THE FINISHED GRADE. THE FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY UNIT WEIGHT WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT. THE COMPACTION REQUIREMENTS APPLY TO THE EXCAVATION, FILL, AND FINISHED GRADE. THE COMPACTION REQUIREMENTS APPLY TO THE EXCAVATION, FILL, AND FINISHED GRADE.
2. COMPACTION SHALL BE ACCOMPLISHED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY 6" TO 8" LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT WITH A MINIMUM OF 10,000 LBS. OF WEIGHT PER SQUARE FOOT.
3. ANY ORGANIC MATERIAL, DELICIOUS MATERIAL, OR DISTURBED SOIL SHALL BE REMOVED FROM FLATWORK AREAS.
4. THE GROUND SURFACE SURROUNDING EXTERIOR STRUCTURES SHALL BE SLOPED TO DRAIN AWAY IN ALL DIRECTIONS.

GENERAL NOTES

NOT TO SCALE

ANTENNA LAYOUT SPECIFICATIONS

WEIGHT W/OUT MOUNTING BRACKETS: 30 lbs (13.6 kg)
WEIGHT W/ MOUNTING BRACKETS: 35 lbs (15.9 kg)
WIND SPEED: 25 MPH (40 km/h)
WIND LOAD: 602 N (146 lb)



INPUT POWER - 500W

GROUNDING:
THE METAL PARTS OF THE ANTENNA INCLUDING THE MOUNTING BRACKET AND THE INNER CONDUCTORS ARE TO BE GROUNDING.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE W/ OUT NOTICE.

NOTICE:
MOUNTING BRACKET & DOWNWELL BRACKET MUST BE ORDERED FOR DOWNWELL APPLICATIONS.

PANEL ANTENNA SPEC

1/2" = 1'-0"

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PANEL ANTENNA SPEC

1/2" = 1'-0"

GENERAL STRUCTURAL NOTES

SECTION 1: GENERAL CONDITIONS AND DESIGN LOADS

BUILDING CODE:
ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE 2009 INTERNATIONAL BUILDING CODE (IBC). DESIGN STANDARDS, SPECIFICATIONS AND PRODUCT MANUFACTURER'S CATALOGS, WHERE REFERENCED SHALL BE THE LATEST EDITION.
GRAVITY LOAD:
EQUIPMENT SHELTER DEAD LOAD: 60,000 LB
ROOF FRAMING LIVE LOAD: 60 PSF (SNOW, FOR FDN. DESIGN)
WIND LOAD:
BASIC WIND SPEED: 90 MPH, (3) SECOND GUST
WIND IMPORTANCE FACTOR: IV
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT: 0.18 (ENCLOSED)
SEISMIC LOAD:
SEISMIC IMPORTANCE FACTOR, I_e : 1.5
SEISMIC USE GROUP: IV
SITE CLASS: D
DESIGN BASE SHEAR (LRFD): 0.24
RESPONSE MODIFICATION FACTOR: 3
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE
SHOW DRAWING SUBMITTALS:
SHOP DRAWINGS SHALL BE SUBMITTED TO THE VERIZON PROJECT MANAGER IF REQUESTED FOR THE FOLLOWING ITEMS:
1. REINFORCING STEEL
2. STRUCTURAL STEEL
CONTRACTOR SHALL REVIEW SHOP DRAWINGS PRIOR TO REVIEW BY OTHERS.
QUALITY ASSURANCE PLAN:
SPECIAL INSPECTION IN ACCORDANCE WITH IBC SECTIONS 110 AND 1704 SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE PROJECT MANAGER AND RETAINED BY THE PROJECT MANAGER. THE PROJECT MANAGER SHALL REVIEW AND APPROVE ALL TEST RESULTS. SPECIAL INSPECTION SHALL BE PROVIDED FOR THE FOLLOWING ELEMENTS:
1. STRUCTURAL STEEL FABRICATION AND ERECTION PER IBC SECTION 1704 AND TABLE 1704.3
2. CONCRETE CONSTRUCTION PER IBC SECTION 1704 AND TABLE 1704.4
GENERAL CONDITIONS:
REFER TO ARCHITECTURAL, CIVIL AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS.
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING. IF CONDITIONS DIFFER FROM THE DRAWINGS, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER PRIOR TO PROCEEDING.
CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY AND TEMPORARY SHORING REQUIRED TO SECURE THE STRUCTURE PRIOR TO THE INSTALLATION OF PERMANENT SUPPORTS AND STIFFENING ELEMENTS.

SECTION 2: SITE WORK

DESIGN CRITERIA:
NO SOILS REPORT AVAILABLE AT TIME OF FOUNDATION DESIGN. THE FOLLOWING CRITERIA HAS BEEN USED FOR THE DESIGN OF THE SHELTER FOUNDATION:
ALLOWABLE FOUNDATION PRESSURE: 1500 PSF
ALLOWABLE LATERAL BEARING PRESSURE: 120 PCF
ALLOWABLE LATERAL SLIDING COEFFICIENT: 0.25
SOIL CONDITIONS SHALL BE VERIFIED BY COMPETENT REPRESENTATIVE RETAINED BY OWNER. IF FINDINGS DIFFER FROM CONDITIONS ASSUMED NOTIFY PROJECT MANAGER FOR POSSIBLE RE DESIGN.

EXCAVATION:

EXCAVATE TO DEPTH SHOWN AND TO FIRM UNDISTURBED MATERIAL. EXCAVATION SHALL BE BACKFILLED WITH NON-COMBUSTIBLE SUSCEPTIBLE GRAVEL. CARE SHALL BE EXERCISED TO AVOID BURIED LINES AND OTHER CONCEALED ITEMS DURING EXCAVATION.
FILL, BACKFILL AND COMPACTION:
COMPACTED STRUCTURAL FILL BELOW FOOTINGS AND SLABS SHALL BE GRANULAR, PLACED IN 8 INCH LIFTS AND COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557
BACKFILL AGAINST RETAINING WALLS OR BASEMENT WALLS SHALL BE FREE DRAINING GRANULAR MATERIAL.
SECTION 3: CONCRETE
MATERIALS:
CEMENT SHALL BE ASTM C150, TYPE I OR TYPE II.
COARSE AND FINE AGGREGATE SHALL BE ASTM C33.
WATER SHALL BE CLEAN AND POTABLE.
28 DAY COMPRESSIVE STRENGTH SHALL BE 3000 PSI FOR ALL CAST IN PLACE CONCRETE. MINIMUM CEMENT CONTENT SHALL BE 6 SACK MIX. ALL CONCRETE SHALL BE AIR ENTRAINMENT.
CONCRETE WORK SHALL BE PERFORMED WHEN TEMPERATURES ARE ABOVE FREEZING OR COLD WEATHER MEASURES SHALL BE USED TO PROTECT CONCRETE DURING CONSTRUCTION.

REINFORCING STEEL:

REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED PER ACI-318. SUPPORT REINFORCEMENT WITH APPROVED CHAIRS, SPACERS OR TIES. STEEL NEVER TO BE PLACED DIRECTLY ON GROUND.
DEFORMED BAR REINFORCEMENT: ASTM A-615 GRADE 60
PROVIDE CORNER BARS AT ALL WALL AND FOOTING CORNERS AND INTERSECTIONS WITH DIAMETER TO MATCH REINFORCEMENT AND 2'-6" HORIZONTAL LAB LENGTH.
CONCRETE COVER ON REINFORCING (UNLESS SHOWN OTHERWISE):
CAST AGAINST EARTH 3"
EXPOSED TO EARTH AND SLAB ON GRADE 2"
WALLS, TO WEATHER FACE 1 1/2"
WALLS, TO INSIDE FACE 1"
COLUMNS AND BEAMS TO STIRRUPS 1 1/2"

SECTION 4: METALS

MATERIALS:
WIDE FLANGE SHAPES SHALL BE ASTM A709 ($F_y = 50$ KSI)
STEEL PLATES AND SHAPES SHALL BE ASTM A6 ($F_y = 36$ KSI)
HSS SECTIONS SHALL BE ASTM A618, GRADE 2 ($F_y = 46$ KSI)
ANCHOR BOLTS SHALL BE ASTM A-307 U.N.O. ON PLANS AND DETAILS.
ALL BOLTS AT BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE ASTM A490-N U.N.O. ALL BOLTS SHALL BE INSTALLED WITH HARDENED WASHERS CONFORMING TO ASTM F-436 AND NUTS CONFORMING TO ASTM A-563.
ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED. ALL STEEL NOT EXPOSED TO WEATHER SHALL BE SHOP PRIMED.

WELDING:

ALL WELDING SHALL BE PER AWS D1.1, CURRENT EDITION AND SHALL BE PERFORMED BY WAGO CERTIFIED WELDERS.
USE 70 KSI LOW HYDROGEN ELECTRODES.
CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR FULL PENETRATION WELDS AND ALL WELDS SHALL BE SUBMITTED FOR REVIEW.
NO WELDING OF REINFORCING STEEL SHALL BE ALLOWED UNLESS APPROVED BY THE PROJECT MANAGER.

QUALITY ASSURANCE PLAN

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	-	X	AWS D1.4 3.5.2	-
3. INSPECTION OF BOLTS TO BE INSTALLED PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	-	ACI 318: 6.1.3, 21.2.8	1911.5, 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 4 5.2-5.4	1904.2.2, 1913.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FULFILL REQUIREMENTS OF TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ASTM C 173 5.6, 5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1913.9
9. INSPECTION OF PRESTRESSED CONCRETE: A. APPLICATION OF PRESTRESSING FORCES. B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE STRUCTURE-FORCE-RESISTING SYSTEM.	X X	- -	ACI 318: 18.20 ACI 318: 18.18.4	-
10. ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH. 16	-
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO CASTING OF BEAMS AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 6.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND WORKMANSHIP. THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	-



PLANS PREPARED BY:
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Select Site Acquisition, LLC
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Office 206-760-4866
DHD Architecture PLLC
13424 246TH Ave SE
Issaquah, WA 98027



ISSUED DATE: 06-03-15	NO. 1	DATE
06-03-15 EQUIP PLAN REVS	2	06-03-15
06-03-15 REVS	3	06-03-15
06-03-15 TOWER REVS	4	06-03-15
06-03-15 TOWER REVS	5	06-03-15
06-03-15 COMMENTS	6	06-03-15
06-03-15 COMMENTS	7	06-03-15
06-03-15 COMMENTS	8	06-03-15
06-03-15 COMMENTS	9	06-03-15
06-03-15 COMMENTS	10	06-03-15
06-03-15 COMMENTS	11	06-03-15
06-03-15 COMMENTS	12	06-03-15
06-03-15 COMMENTS	13	06-03-15
06-03-15 COMMENTS	14	06-03-15
06-03-15 COMMENTS	15	06-03-15
06-03-15 COMMENTS	16	06-03-15
06-03-15 COMMENTS	17	06-03-15
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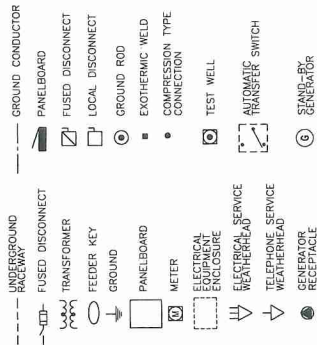
PROJECT:
AK ALYESKA - ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587
SHEET NUMBER:

A-4

PROJECT:
AK ALYESKA
- ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER: E-1

ELECTRICAL LEGEND



ABBREVIATIONS

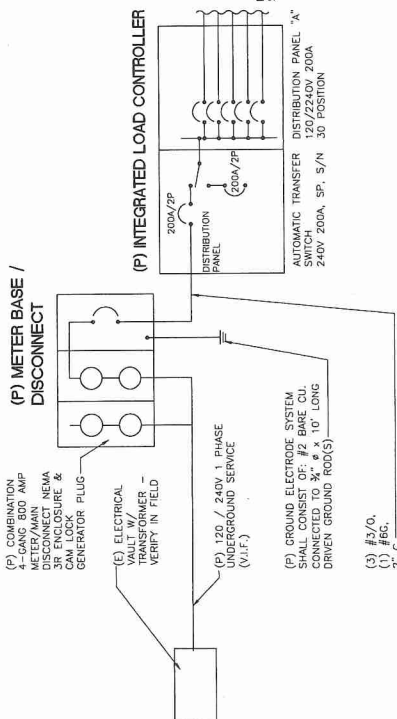
- | | |
|------|-------------------------------|
| AWG | AMERICAN WIRE GAUGE |
| BCCW | BARE COPPER WIRE |
| DWG | DRAWING |
| ETM | ELECTRICAL METALLIC TUBING |
| GEN | GENERATOR |
| GR | INTERIOR GROUND RING (HALO) |
| MC | INTERMEDIATE METALLIC CONDUIT |
| MGB | MASTER GROUND BAR |
| PCS | PERSONAL COMMUNICATION SYSTEM |
| RCS | RIGID GALVANIZED STEEL |
| RCW | RAILWAY |
| RTYP | TYPICAL |

ELECTRICAL NOTES

1. INSTALLATION OF SECONDARY POWER AND CONNECTION TO METER SHALL BE COMPLETED IN COMPLIANCE WITH NATIONAL ELECTRIC CODE, NFPA 70, AND THE STATE OF WASHINGTON LAWS, RULES AND REGULATIONS FOR THE NORTH WEST POWER DIVISION. SEE SPECIFICATIONS PAGES 43, 51, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 8

NEW LOADS, SCHEDULES, PANEL SCHEDULES

PANEL 'A'									
CCKI P	CCKI NO.	TRIP	LOAD DESCRIPTION	LOAD TYPE	LOAD (VA)	BUS (VA)	LOAD (VA)	LOAD TYPE	LOAD DESCRIPTION
1	80	BIS NUMBER 1		R	3,500 A	180	R	EXTERIOR WORK LIGHT	
2	80	BIS NUMBER 1		M	3,500 A	180	M	EXTERIOR CONV RPT	
3	2	80 BIS - FUTURE		R	3,500 A	500	R	GEN-BATT CHARGER	
4	2	BIS - FUTURE		L	3,500 A	500	L	GEN-BATT CHARGER	
5	2	BIS - FUTURE		L	3,500 A	500	L	GEN-BATT CHARGER	
6	2	200 AMP. LIGHTING		L	3,500 A	1,000	L	200 AMP. LIGHT	
7	2	200 AMP. LIGHTING		L	3,500 A	1,000	L	200 AMP. LIGHT	
8	11	SPARE		O	B	180	O	INTERNAL GFI	
9	13	SPARE		O	B	180	O	INTERNAL GFI	
10	13	SPARE		O	B	180	O	INTERNAL GFI	
11	17	SPARE		O	A	0	O	SPARE	
12	17	SPARE		O	A	0	O	SPARE	
13	21	SPARE		O	B	0	O	SPARE	
14	21	SPARE		O	B	0	O	SPARE	
15	25	SPARE		O	A	0	O	SPARE	
16	25	SPARE		O	A	0	O	SPARE	
17	27	SPARE		O	A	0	O	SPARE	
18	27	SPARE		O	A	0	O	SPARE	
19	30	SPARE		O	A	0	O	SPARE	
20	30	SPARE		O	A	0	O	SPARE	
MAIN: PHASE A: 11,810 VA B5 2 A PHASE B: 8,400 VA 60.5 A PHASE C: 8,400 VA 60.5 A N.E.C. FEEDER CALCULATIONS: (A) (A) (A) LIGHTING: 5,663 23.6 L = LIGHTING, LOAD X 125% EQUIPMENT: 2,500 10.4 C = EQUIPMENT, LOAD X 44 EQUIPMENT (CONTINUOUS): 2,500 5.2 L = EQUIPMENT, LOAD X 125% MOTORS (NON-CONTINUOUS): 3,930 23.8 E = EQUIPMENT, NON CONTINUOUS X 100% MOTORS (CONTINUOUS): 4,433 88.5 F = FEEDERS, LOAD X 25% TOTAL: 15,593 88.5 S = SPARE OR SPACE									
NOTES: GENERATOR 17,180 VA AT TIME OF DESIGN - 240 V LOADS - 240 V SHOWN FOR FUTURE INSTALLATION									



SCHEMATIC ONE-LINE DIAGRAM

(-1) NOT TO SCALE

NO.	DATE	ISSUE BLOCK
7	07-10-14	ZD ANTENNA REVS
6	08-28-14	CD PRELIM
5	09-15-14	CD FINAL
4	11-06-14	BP COMMENTS
3	02-25-15	TOWER REVS
2	03-17-15	NOTE REVS
1	05-13-15	REVS
1/2	06-03-15	EQUIP PLAN REVS

PROJECT:
AK ALYESKA
- ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:
E-2

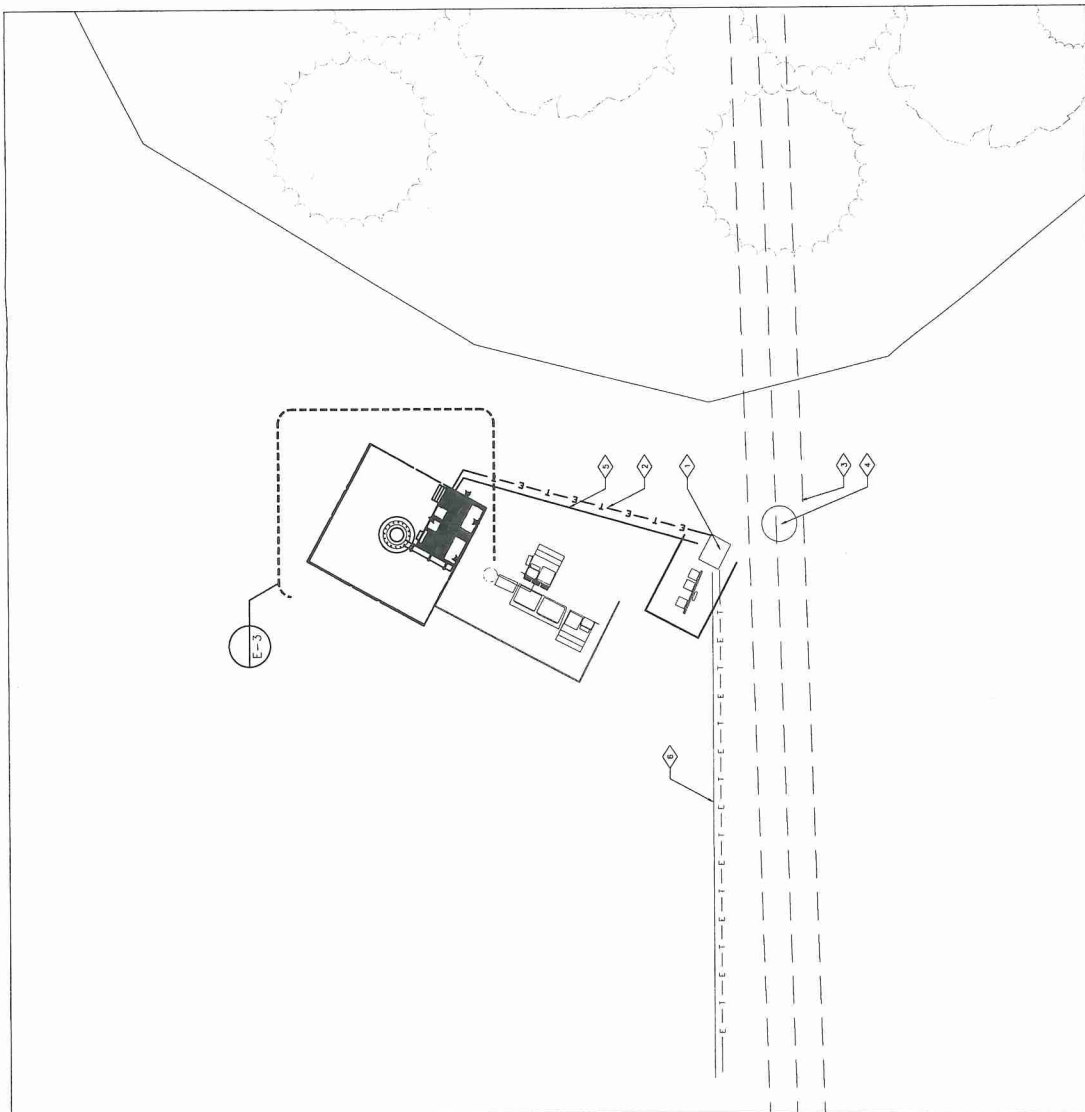
- ① EXISTING ELECTRICAL VAULT – VERIFY IN FIELD
- ② NEW VERTIZON WIRELESS ELECTRICAL ROUTE FROM EXISTING ELECTRICAL VAULT TO ILC CABINET – VERIFY CONNECTIONS IN FIELD
- ③ OVERHEAD SKI LIFT LINES
- ④ SKI LIFT POLE
- ⑤ UNDERGROUND FIBER ROUTE CONDUIT SIZE PER PROVIDER; CONTRACTOR TO VERIFY FINAL PROVISION WITH CLIENT REPRESENTATIVE AT TIME OF CONSTRUCTION
- ⑥ FIBER TO ORIGINATE FROM UTILITY FEDERAL, THEN ROUTE U/G TO NEW VERTIZON WIRELESS UTILITY RACK

THIS IS NOT A SITE SURVEY.

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS MAY HAVE BEEN OBTAINED FROM A TAX PAREL MAP AND ARE APPROXIMATE. — SEE SURVEY FOR ACTUAL INFORMATION IF REQUIRED.

DIG NOTE: CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CALL 800-4-A-DAIRY FOR A FREE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.

POWER / TELCO NOTE:
FIBER TO ORIGINATE FROM THE EXISTING UTILITY POLE, (VERIFY NUMBER IN FIELD), THEN ROUTE O.H. TO NEW VERIZON WIRELESS UTILITY POLE, THEN ROUTE U.G. TO THE PROPOSED VERIZON WIRELESS DISCONNECT / METER, LOCATED ON THE PROPOSED UTILITY RACK WITHIN THE CHAIN LINK FENCED AREA.



1 SCHEMATIC ELECTRICAL SITE PLAN
E-2 1" = 10'-0"

NO.	DATE	ISSUE BLOCK
01	07-10-14	2D ANTENNA REVS
02	08-28-14	CD PRELIM
03	09-15-14	BP COMMENTS
04	11-06-14	BP COMMENTS
05	03-17-15	NOTES REVS
06	05-13-15	REVS
07	08-03-15	EQUIP PLAN REVS

PROJECT:

AK ALYESKA
- ALT 1
104 ARLBERG AVE
GIRDWOOD, AK 99587

SHEET NUMBER:

E-3

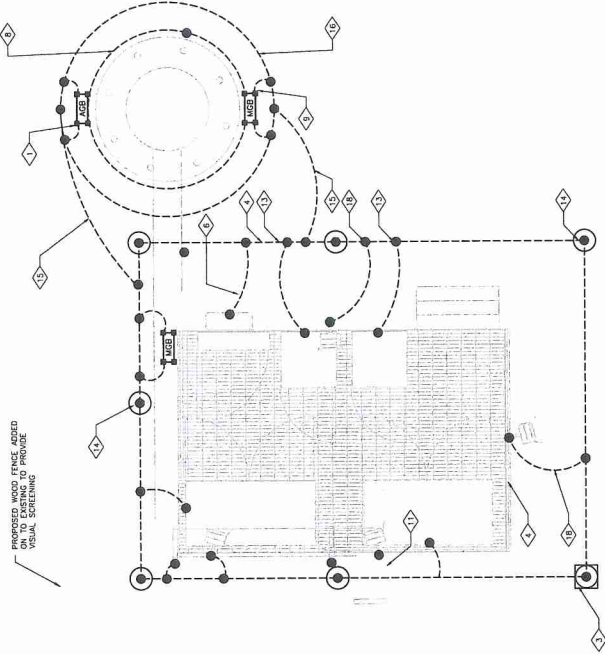
KEYED NOTES

1. NEW ABB AT ANTENNAS
2. MASTER GROUND BUS BAR TO GROUND RING CONNECTION
3. GROUND TEST WELL (MINIMUM OF 2 PLACES)
4. NEW EQUIPMENT PLATFORM #2 AIG BTOW GROUND RING
5. CONNECT STEEL PLATFORM TO NEW GROUND RING WITH #2 BTOW (4 LOCATIONS)
6. CONNECT NEW SERVICE UTILITY BACK AS PER N.E.C. CODE
7. CONNECT NEW ANTENNA WITH #2 BTOW TO ABB (TYPICAL AT EACH ANTENNA)
8. CONNECT NEW ABB TO EXISTING ABB WITH (2) #2 BTOW
9. PROPOSED ABB AT BASE OF TOWER
10. CONNECT NEW GENERATOR (IF USED) TO NEW GROUND RING W/ #2 BTOW
11. CONNECT ICE BRIDGE TO GROUND RING W/ #2 BTOW
12. CONNECT NEW OPS RECEIVER TO GROUND RING W/ #2 BTOW
13. CONNECT NEW EQUIPMENT CABINET TO GROUND RING W/ #2 BTOW (TYP)
14. GROUND ROD SPACING AIG 10' O.C. MINIMUM - 15' O.C. MAXIMUM
15. CONNECT NEW TOWER / MONOPOLE GROUND RING TO NEW EQUIPMENT PLATFORM GROUND RING W/ (2) #2 BTOW (2 LOCATIONS)
16. EXISTING TOWER / MONOPOLE GROUND RING - VERIFY IN FIELD
17. NEW MASTER GROUND BUS BAR
18. CONNECT NEW EXTERIOR LIGHTING TO GROUND RING W/ #2 BTOW
19. CONNECT GATE BRING TO GATE POST WITH #2 BTOW (TYP)

NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES.
2. ALL GROUNDING SHALL CONFORM TO THE CURRENT VERIZON WIRELESS STANDARDS.
3. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND CONDUIT INSTALLATION TO AVOID ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
5. PREPARED SHIELDER WILL BE PROVIDED WITH INTERNAL WIRING AND EQUIPMENT CONNECTIONS. CONTRACTOR SHALL VERIFY INTERNAL WIRING AND ARRANGEMENTS REFLECTED BY SHIELDER MANUFACTURER.
6. FOR INTERIOR EQUIPMENT LAYOUT AND LOCATION, SEE SHIELDER MANUFACTURER'S DRAWINGS AND SPECIFICATION. IN CASE OF CONFLICT THE DRAWINGS GOVERN.
7. ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CATHODE).
8. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORMED USING TWO (2) HIGH PRESS CLAMPS.
9. ALL EXOTHERMIC CONNECTIONS TO THE GROUND RODS SHALL START AT THE TOP & HAVE A MINIMUM OF 18" OF EXPOSED ROD ABOVE THE CONNECTION POINT.
10. ALL GROUNDING CONDUCTORS TO BE CLEAN AND FREE OF PAINT AT THEIR MOUNTING SURFACES AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
11. ALL EXTERIOR GROUND CONDUCTORS SHALL BE #2 AWC TIN PLATED COPPER UNLESS OTHERWISE SPECIFIED.
12. GROUND RODS SHALL BE STEEL OR COPPER CLAD STEEL 5/8" 10-FT. LONG, AND SHALL BE DRIVEN VERTICALLY WITH THEIR TOPS 18" BELOW FINAL GRADE OR 6" BELOW FIRST LIFT FOR MAXIMUM DEPTH.
13. GROUND RODS SHALL NOT BE SPACED UP OR SPACED BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE FORBIDDEN.
14. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
15. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FIRST LIFT.
16. ALL EXTERIOR GROUNDING CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE WALL, SPREAD FOOTING, OR FENCE.
17. EXOTHERMIC WELD GROUND CONNECTION TO FENCE FIRST. TREAT WITH A COLD GALVANIZED SPRAY.
18. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
19. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
20. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED 5 OHMS.
21. MINIMUM GROUNDING CONDUCTORS SHALL BE 1/2" AWC TIN PLATED COPPER UNLESS OTHERWISE SPECIFIED.
22. NO SPICES PERMITTED IN GROUND CONDUCTORS.
23. ENSURE ALL MECHANICAL CONNECTIONS ARE FORWARDED TO THE MANUFACTURER'S SPECIFIED VALUES.
24. GROUND BARS SHALL NOT BE FIELD MODIFIED.
25. ALL HORIZONTAL FENCE SECTIONS TO BE GROUNDED WITH 8" SINGLE BARREL GROUND STEELS.

NOTE: ALL GROUNDING PLAN IS SCHEMATIC AND ONLY TO BE USED FOR REFERENCE. PROVIDE LOCAL DESIGN REQUIREMENTS AND TESTING SOILS AVAILABLE AT TIME OF CONSTRUCTION. ALL GROUNDING REQUIREMENTS TO BE DETERMINED BY SOILS RESISTIVITY TEST AT A LATER DATE.



1 SCHEMATIC ELECTRICAL GROUNDING PLAN
1/8" = 1'-0"

