<section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header>			THE APPROVED PLANS AND ALL		
<section-header></section-header>			DOCUMENTS MUST BE POSTED ON THE JOB FOR ALL INSPECTIONS IN A VISABLE	SITE INFORMATION	Т
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>	<b>N</b> EC	h	SIZED COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE	ADDRESS: P.O. BOX 47339 DEPARTMENT OF TRANSPORTATION ATTN: CASHIER OLYMPIA, WA 98504-7339	N
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>				TOWER CO SITE ID: 880329	т
<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>			SCOPE OF WORK	TOWER APP NUMBER: 564913	
<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>			THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT, CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE.	COUNTY: PIERCE	s
	Prior to starting site work, request an erosion and sediment inspection	ess_	TOWER SCOPE OF WORK	• • • • • • • • • • • • • • • • • • • •	
<text><section-header></section-header></text>	through the CityView portal.	TIM	INSTALL PROPOSED JUMPERS	LONGITUDE (NAD 83): 122 17 40.04 W	
<section-header></section-header>	DISH Wireless L.L.C. SITE ID:		INSTALL (6) PROPOSED RRUS (2 PER SECTOR)     INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)     INSTALL (1) PROPOSED HYBRID CABLE		s
<section-header></section-header>	SESEA00401B			ZONING DISTRICT: TBD	
<section-header></section-header>	CECEA00401D		N INSTALL (1) PROPOSED CONCRETE PAD	PARCEL NUMBER: 041904-4084	
<section-header></section-header>	DISH Wireless L.L.C. SITE ADDRESS	8:	INSTALL (1) PROPOSED PPC CABINET     INSTALL (1) PROPOSED EQUIPMENT CABINET	OCCUPANCY GROUP: U	R
<section-header>      PUYALLUP, WA 93375        <ul> <li>WASHINGTON CODE COMPLIANCE</li> <li>WASHINGTON CODE COMPLIANCE</li></ul></section-header>	3150 S MERIDIA	N	INSTALL (1) PROPOSED TELCO CONDUIT     INSTALL (1) PROPOSED TELCO-FIBER BOX	CONSTRUCTION TYPE: II-B	
			INSTALL (1) PROPOSED GPS UNIT     INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)     INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)	POWER COMPANY: PSE	
	$  \qquad PUTALLUP, WA 96.$	3/3		TELEPHONE COMPANY: CENTURYLINK	
	WASHINGTON CODE COMPLIAN	CE	SITE PHOTO	DIREC	CTIC
SHEET NO.       SHEET TILE       City of Puyaliup Development and to construct a start of the start and construct a start of the start and the spectral domaines or overall by the dise or rotations       See permit conditions.         Aria       Construct a start of the spectral conditions.       See permit conditions.       See permit co	CODE TYPE CODE BUILDING 2018 IBC W/ W.A.C. AMENDMENTS MECHANICAL 2018 IMC W/ W.A.C. AMENDMENTS			PUYALLUP. TAKE THE EXIT TOWARD MERIDIAN ST S FRO MERIDIAN TO YOUR DESTINATION 4 MIN (1.3 MI) APPROVED TO PROCEEDSUBJECT TO ANY SPECIAL	INSP
	SHEET INDEX			VICINI	ΤY
Ar-1       OVERAL SITE FUN       APPROVED         Ar-1       COMPANY ANTERNA YOUT MO SCHEDULE       See permit         Ar-3       COMPANY ANTERNA YOUT MO SCHEDULE       See permit         Condection And In-Franke Textus       Conditions       Conditions         Ar-4       Company Anterna Yout Anterna Yout Anterna       Conditions       Conditions         Ar-5       Company Anterna Yout Anterna       Conditions       Conditions       Conditions         Ar-6       Company Anterna Yout Anterna       Conditions       Conditions       Conditions       Conditions         Ar-7       Company Anterna       Conditions		Development		Development & Permitting Services	
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Approval of submitted planes in not an approval of envisions or oversight       Contractor strut. Versitive During Strute Strute During Strute Strute During Strute S				Fire Traffic Southridge	• •
Image: Control of Contro	A-6 EQUIPMENT DETAILS	6:31:18 AM	02_18_2021_15:04	A Mer	
G-2       GROUNDING DETAILS       WWW.WASHINGTONB11.COM       Approval of submitted plans is not an approval of omissions or oversight       Approval of submitted plans is not an approval of omissions or oversight       Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED       Approval of submitted plans is not an approval of omissions or oversight       Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED       Our and approval of contractor or straughter the emplicable building coedes and regulations of local government.       Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE BEFORE       Our approval of contractor or straughter the emplicable building coedes and regulations of local government.       Our approval of submitted plans is not an approval of omissions or oversight       Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED       Our approval of submitted plans is not an approval of omissions or oversight       Our approval of submitted plans is not an approval of omissions or oversight       Int"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED       Our effective for and contractor is responsible for mathematications of the plane is and and regulations of local government.       Our effective for and contractor is responsible for mathematicate is provided to the plane is an approval of contractor is responsible for mathematicate is provided or the plane is an approval of submitted plane is an approval of contractor is responsible for mathematicate is response for mathematicate is response and regulations of local government.       Our effective for for themathematicate is resplane building codes and r	E-2 ELECTRICAL DETAILS E-3 ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE	GTY OF PUVALLUR	UTILITY NOTIFICATION CENTER OF WASHINGTON	CITY OF PUYALLUP	
Out 2 working being under some of the local government.       Date of t	G-2 GROUNDING DETAILS	A LED			
GN-1       LEGEND AND ABBREVIATIONS         GN-2       GENERAL NOTES         GN-3       GENERAL NOTES         GN-4       GENERAL NOTES         M-4       GENERAL NOTES         M-5       GENERAL NOTES         M-6       GENERAL NOTES         M-7       GENERAL NOTES         M-8       GENERAL NOTES         M-1       LEVENCE         M-1       GENERAL NOTES         M-1       Mathematication of submitted plans is not an approval of omissions or oversight         Divis office or noncompliance with any applicable regulations of local         government.       Contractor stresponsible for making sure that the building compliase with all applicable building codes and regulations of local         Contractor shall verify All plans, Existing Dimensions, AND Conditions on the Joes site, AND Shall immediately worthy the Engineer in writing of AND blockers before		OF WASHING	CALL 2 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION		
GN-2       GENERAL NOTES         GN-3       GENERAL NOTES         GN-4       GENERAL NOTES         M-4       GENERAL NOTES         D       Drainage. No Sanifary Sewer service, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.         M-4       GENERAL NOTES         M-4       GENERAL NOTES         M-5       General notes         M-6       General notes         M-7       General notes         M-7       General notes         M-8       General notes         M-9       Provide of submitted plans is not an approval of omissions or oversight         D       Dy this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the local government. The local regulations of local government. The local regulations of local government. The local regulations of regulations of the local government. The local regulations of local government. The local regulations of regulations of regulations of the local regulations of regulations of the local regulations of regulations of the local regulations of regulating regulating regulations of regulations of regulation			GENERAL NOTES		
GN-0       GENERAL NOTES         GN-4       GENERAL NOTES         Approval of submitted plans is not an approval of omissions or oversight       Signage is proposed.         by this office or noncompliance with any applicable regulations of local       11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED         government. The contractor is responsible for making sure that the       Contractor shall verify all plans, Existing Dimensions, and conditions on         the local government.       Contractor shall verify all plans, Existing Dimensions, and conditions on         the local government.       Willows Shoppin	GN-2 GENERAL NOTES			CONDITIONS Not an approval through PM 20.59A as an eligible facility	ИС У
Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complices with all applicable building codes and regulations of the local government.			DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL	modification.	
building complies with all applicable building codes and regulations of CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE	by this office or noncompliance with any applicable regulations of local	ht	11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED		
	building complies with all applicable building codes and regulations of				oppin

APPLICANT:	DISH Wireless L.L.C. 5701 South Santa fe Drive Littleton, co 80120
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 (724) 416-2000
Site designer:	PM&A 1000 HOLCOMB WOODS PKWY SUITE 210 ROSWELL, GA 30076 (678) 2802325
SITE ACQUISITION:	ANDREW MAGOON (602) 845–1783
CONSTRUCTION M	ANAGER: JOHN DORROUGH (480) 251–9031
RF ENGINEER:	DOUGLAS MARTINEZ DOUGLAS.MARTINEZ@DISH.COM

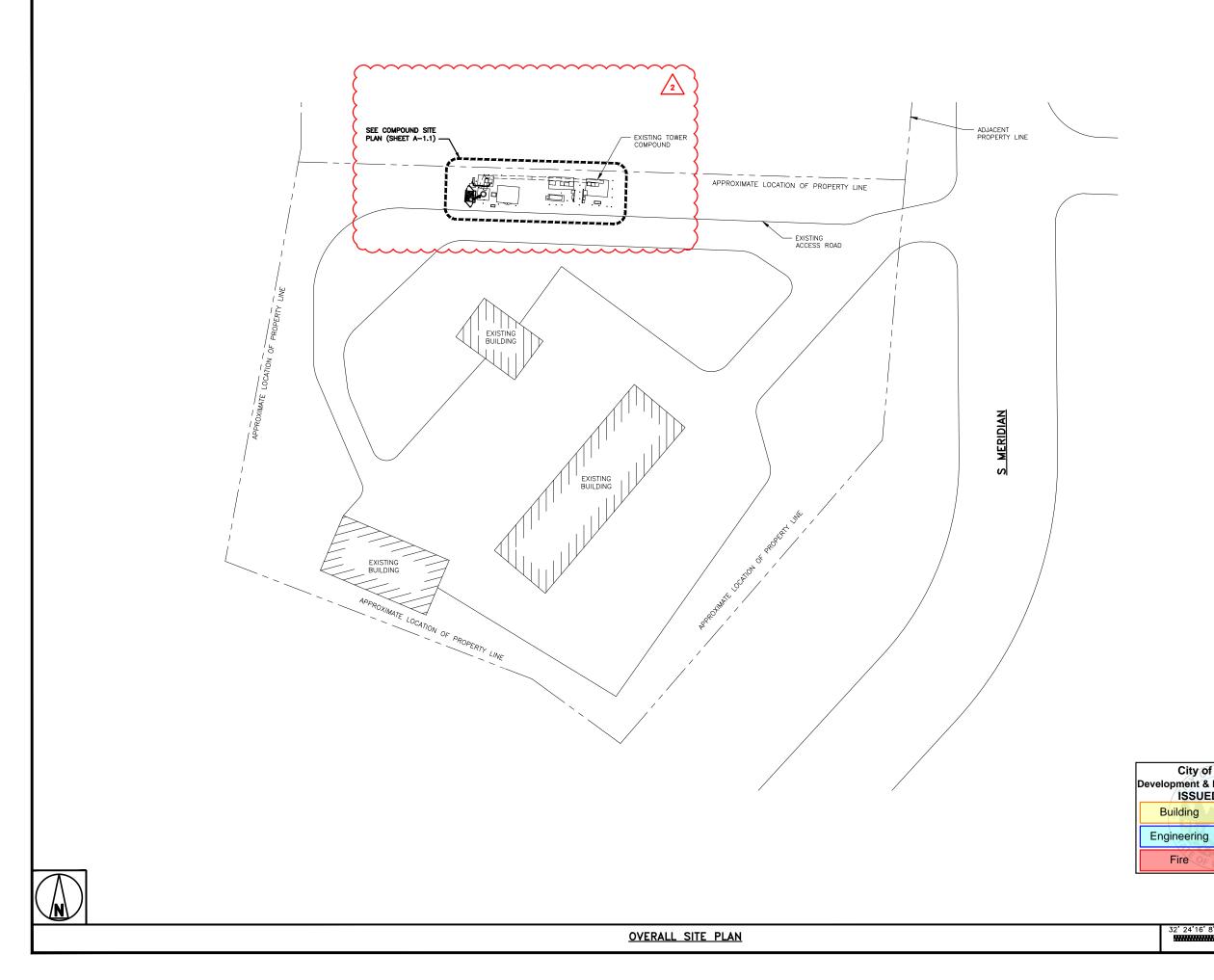
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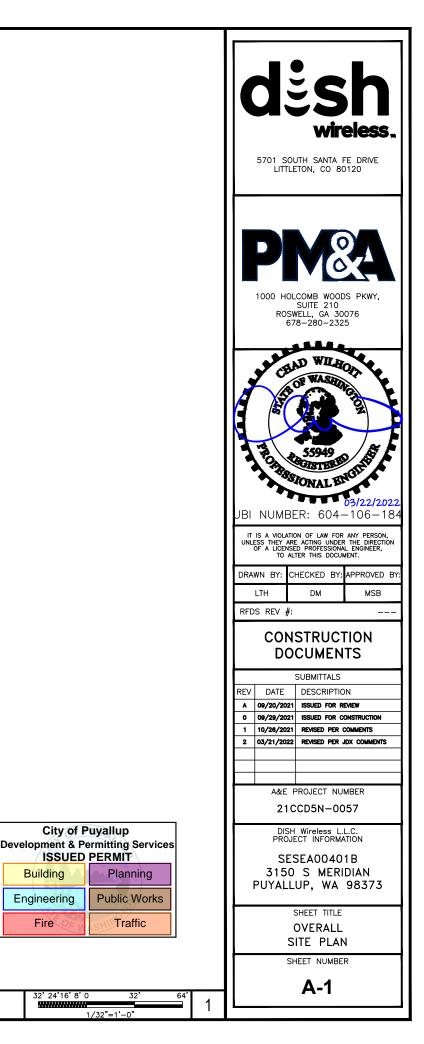
IONAL AIRPORT: ( 4 MIN (2.1 MI) DRIVE FROM WA-167 S TO A-161 S/WA-512 W. 26 MIN (25.6 MI) FOLLOW S

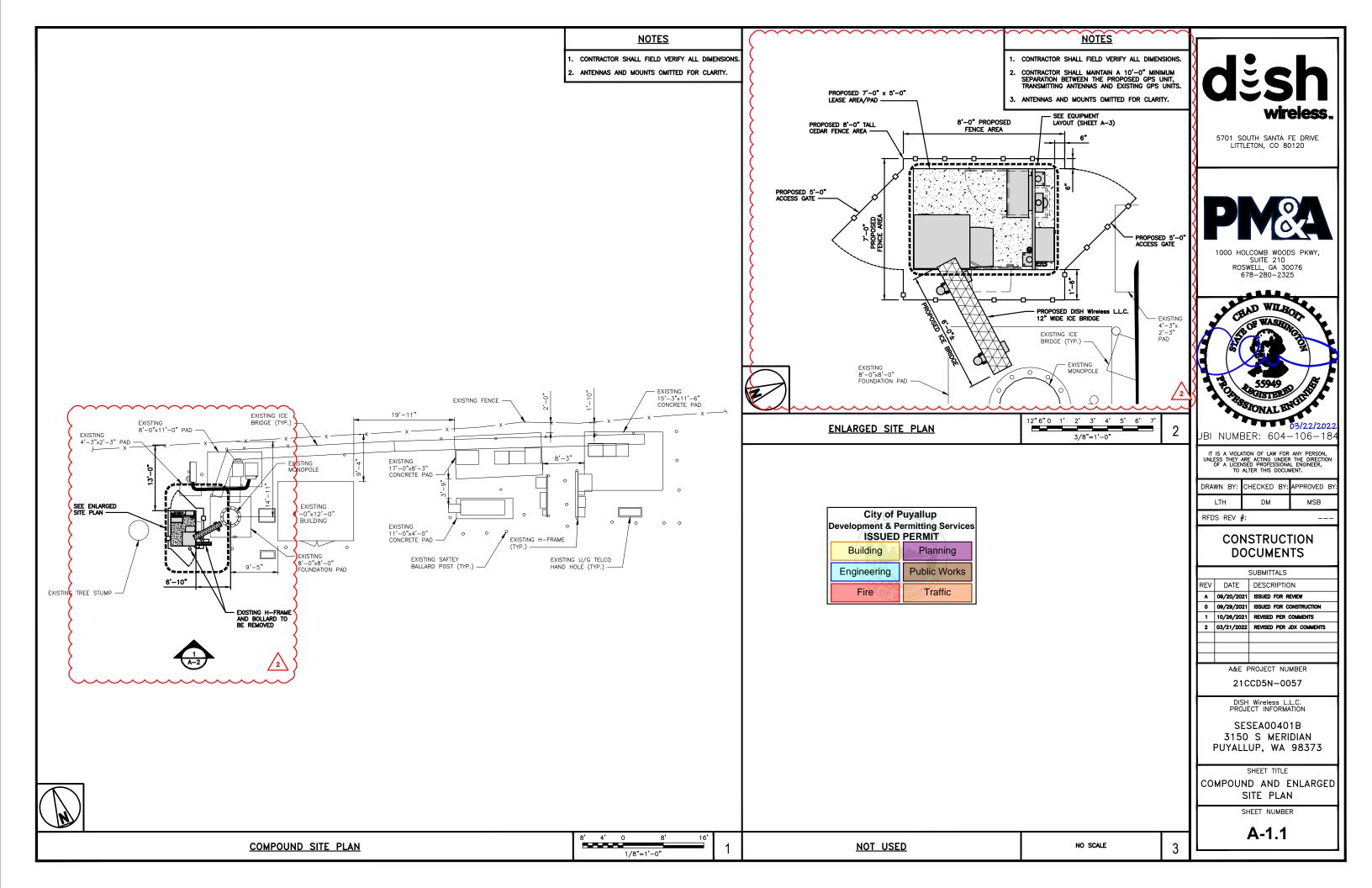
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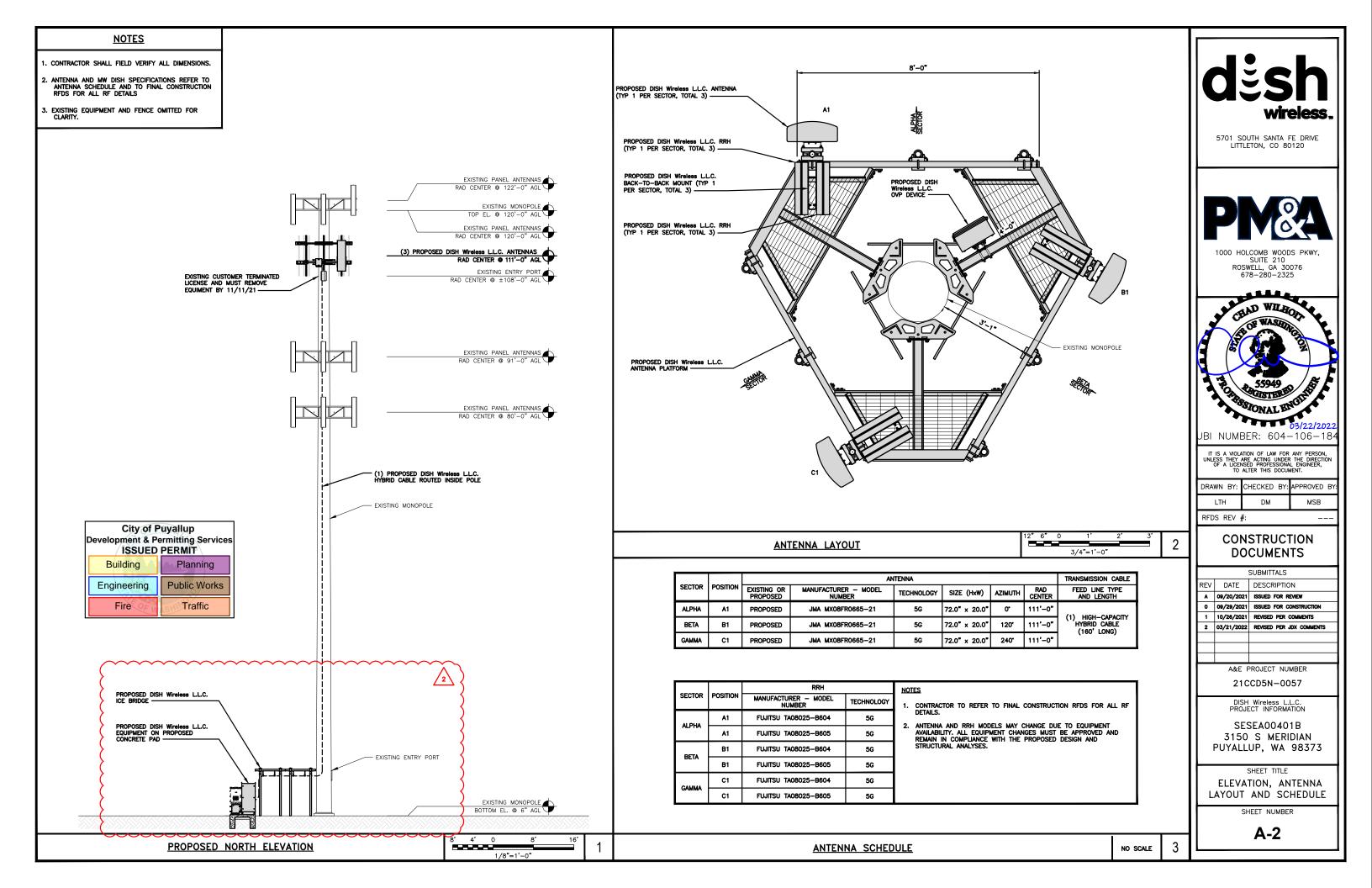


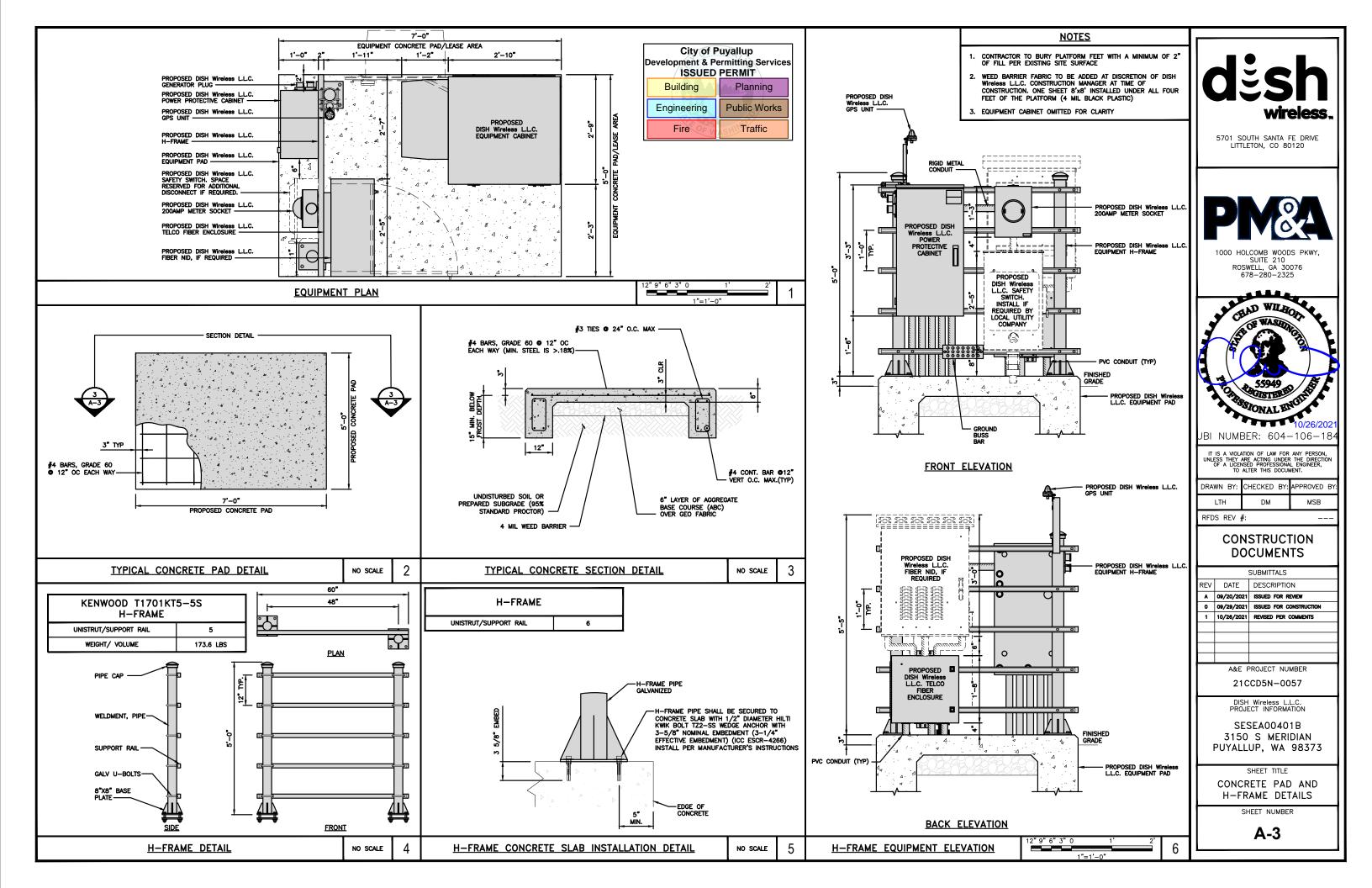


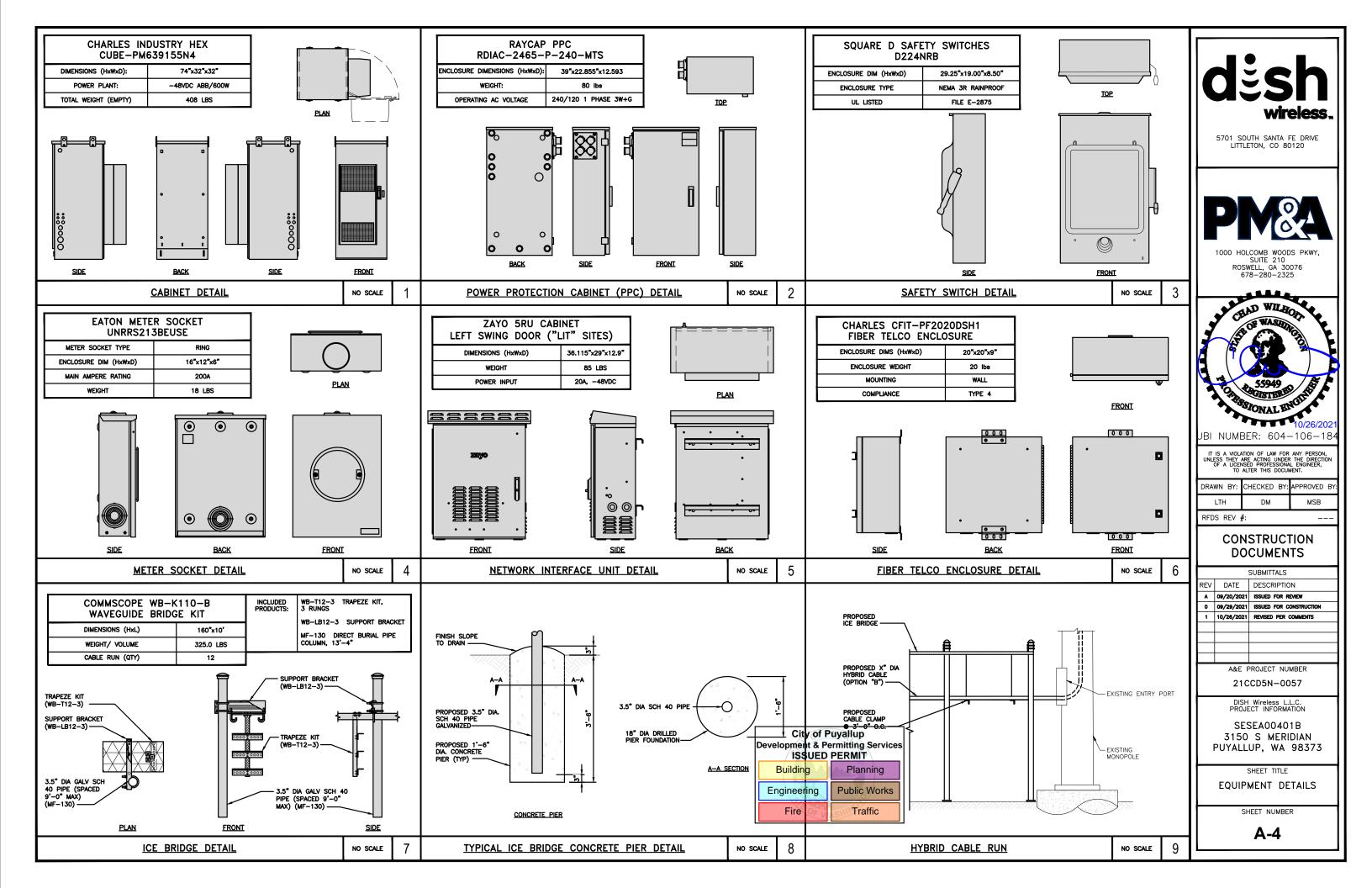


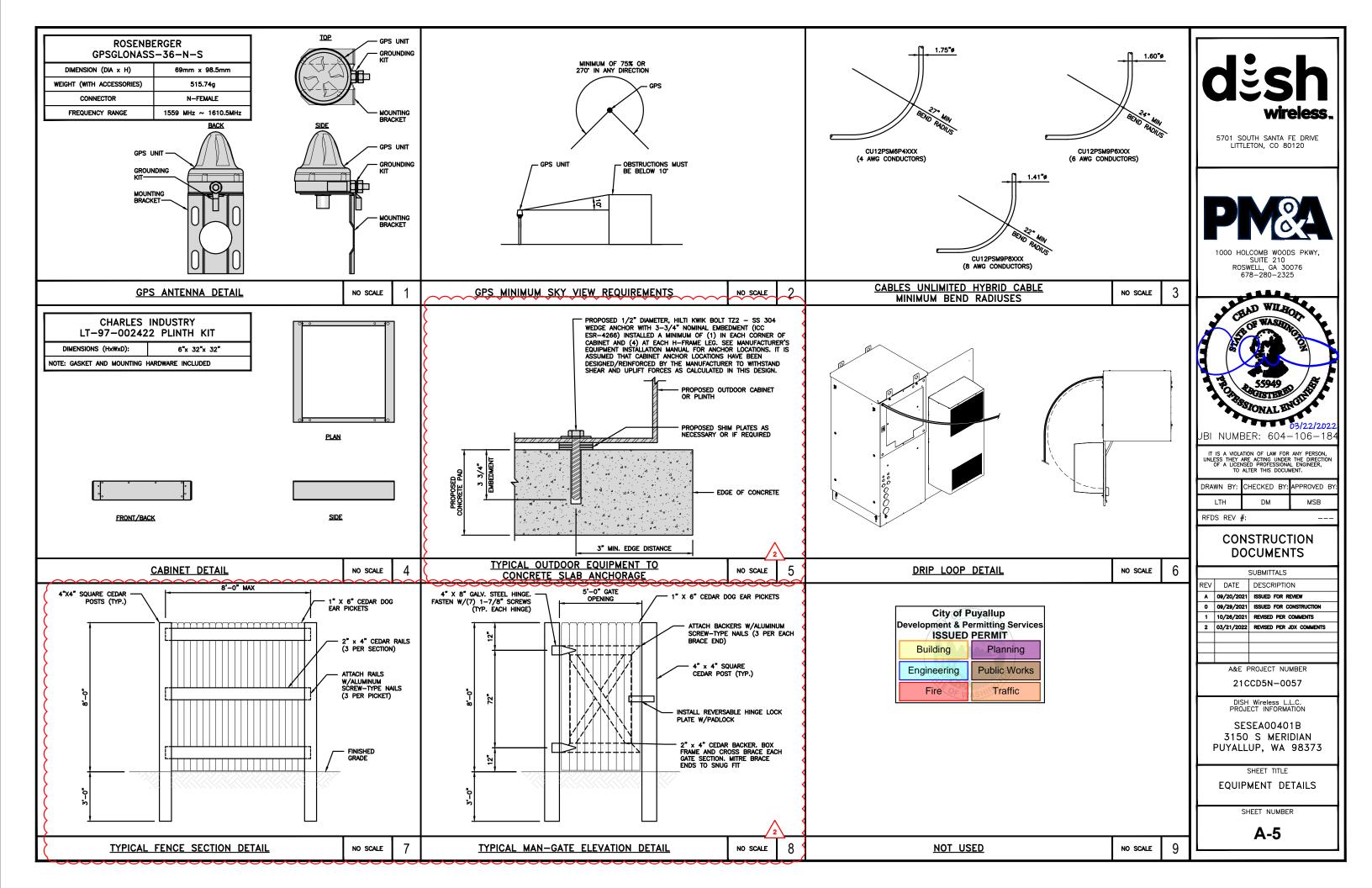


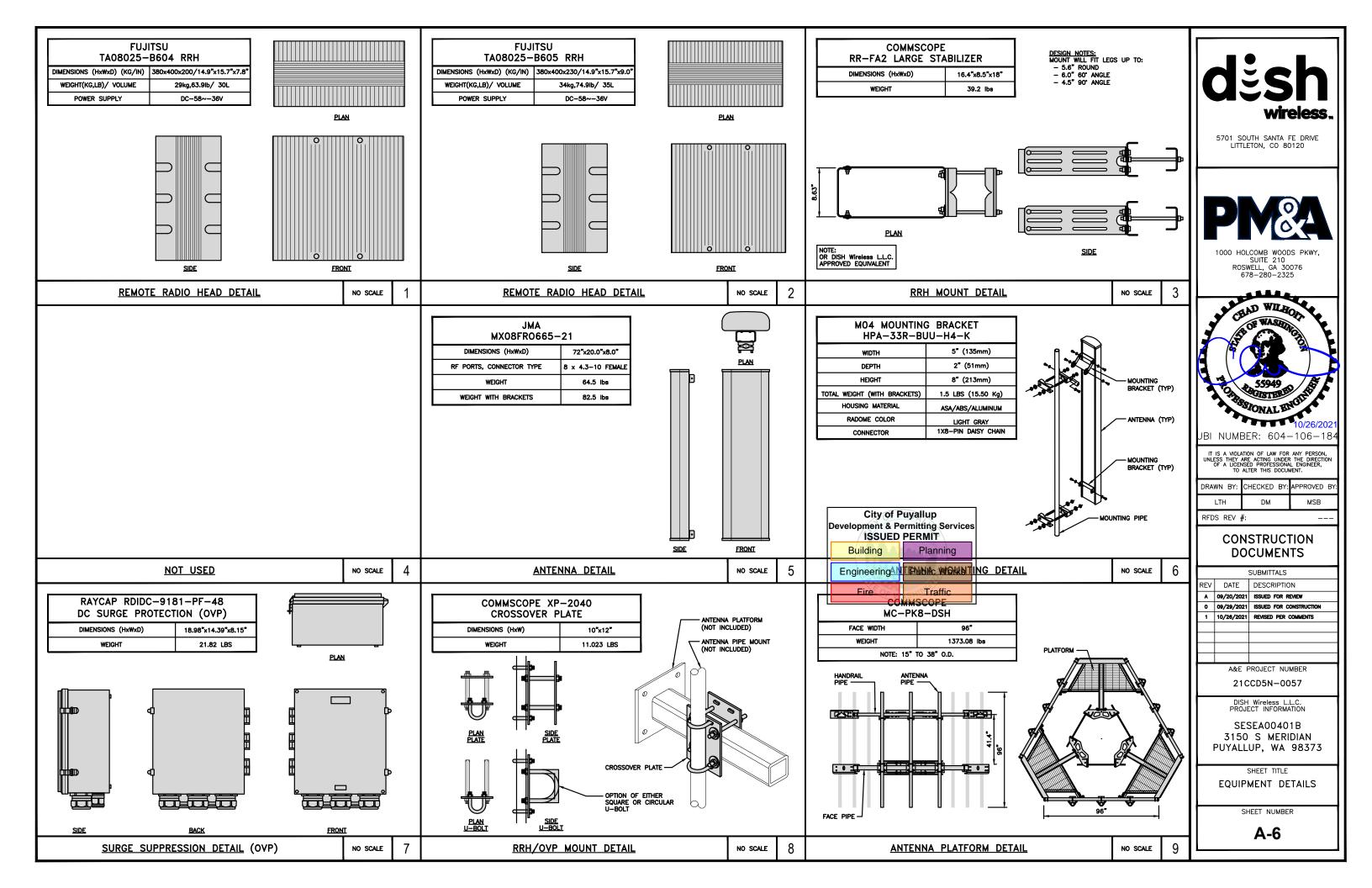












	<u>NOTES</u>	DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHA
<image/>	1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE. 2. ANTENINAS AND MOUNTS OWITTED FOR CLARITY. 3. DUE TO UTILITY EASEMENT RIGHTS SPECIFIED IN THE GROUND LEASE, CUSTOMER MAY INSTALL EQUIPMENT WITHIN SPECIFIED UTILITY EASEMENT AREA. PWR AND TBR PATH DEPICTED ON A-1 AND E-1 REPRESENT PLANNED ROUTING BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO A SURVEY, EXHIBITS, METES AND BOUNDS OF THE UTILITY EASEMENT, FIELD VERIFICATION, PRIOR PROJECT DOCUMENTATION AND OTHER REAL PROPERTY RIGHTS DOCUMENTS. WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH. IF EXISTING PATH IS MATERIALLY INCONSISTENT WITH THE "PWR AND TBR PATH DEPICTED ON A-1 AND E-1 AND SAID VARIANCE IS NOT NOTED ON CDS, PLEASE NOTIFY CROWN CASTLE REAL ESTATE AS FURTHER COORDINATION MAY BE NEEDED. WER CONDUIT TO EXISTING "-0"±). SEE NOTE 3 FIBER CONDUIT TO EXISTING FIBER CONDUIT TO MEET ME 282'-0"±). SEE NOTE 3	C POWER WIRING SHALL BE COLOR CODED AT EACH END FOR RED MARKINGS SHALL DENTIFY +244 AND BLUE MARKINGS SHA URING THE BID PERIOD IN REGARDS TO THE CONTRACTORS FO OTHER ISSUE RELATED TO THIS PROJECT SHALL BE REQUERT U MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS B 2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH O STATE AND LOCAL CODES, LWS, AND DOMINANCES, PROVIDE AL REQUIRED TO MEET NEC STANDARDS. 3. LOCATION OF EQUIPMENT, CONTULT AND DEVICES SHOWN ON TH COORDINATED WITH FILE DECONTIONS PROR TO CONSTRUCTION. 4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 3. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 4. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CR 5. CONTRACTOR SHALL BE IN ACCORDANCE WITH MALE CHARN VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR IN ALL CONDU- 1. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SI 4. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDE 1. NOTALLING SHALL BE IN ACCORDANCE WITH MALE CHARN VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR IN ALL CONDU- THE COUPMENT GROUNDING CONDUCTOR IN ALL CONDUCT 1. DISCONNECTS SHALL BE IN ACCORDANCE WITH MALE DEVICES 3. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDE 1. PAKEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLEC 1. ALL NEW MATERIAL SHALL HAVE A ULL LABEL 11. PAKEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLEC 12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PAKEL SCH 13. ALL TRENCHES IN COMPOUND TO BE HAND DUG 14. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PAKEL SCH 14. LINEW MATERIAL SHALL HAVE A ULL LABEL 14. TRENCHES IN COMPOUND TO BE HAND DUG 15. ALL TRENCHES IN COMPOUND TO BE HAND DUG 15. ALL TRENCHES IN COMPOUND TO BE HAND DUG 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION 14. SE REQUIRED FOR INSTALLATION OF ALL UTITION DESCREPTION OF EASEMENTS NOT PROVID WIRELESS LLC. SHALL BE RESPONSIBLE FOR AS-BUILT PAKE 15. FUEL CONDITIONS FOR DEVICE UTITIONS FOR THE PAKE 15. FUEL CONCENT ON THE AND ROLE OF INTERCEMENT OF TH
UTILITY ROUTE PLAN		ELECTRICAL NOTES
	3/16"=1'-0"	

D FOR IDENTIFYING +24V AND -48V CONDUCTORS. IS SHALL IDENTIFY -48V.

RIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING R°S FUNCTIONS, THE SCOPE OF WORK, OR ANY IGHT UP DURING THE BID PERIOD WITH THE PROJECT HAS BEEN AWARDED.

WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL IDE ALL COMPONENTS AND WIRING SIZES AS

ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE

ECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. ND COMPLY AS REQUIRED.

ND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.

BOXES AS REQUIRED BY THE NEC ARTICLE 314.

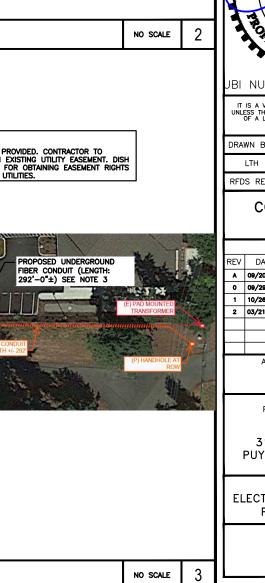
BLE SUPPORTS FOR ALL CABLE ASSEMBLIES. IRER'S SPECIFICATIONS AND RECOMMENDATIONS.

PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES STALLED ON, AND PANEL FIELD LOCATIONS FED FROM.

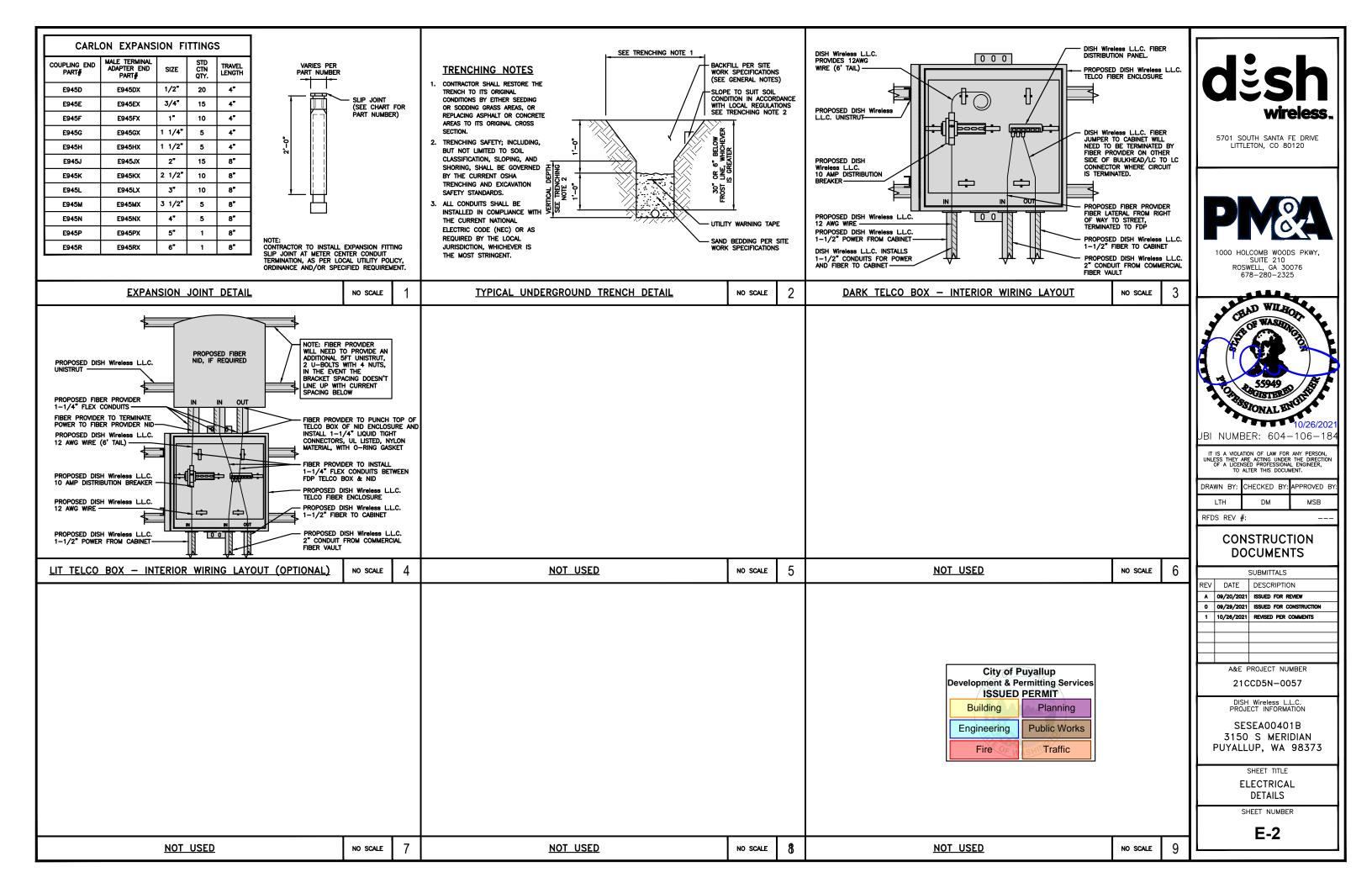
CONDUITS PER THE SPECIFICATIONS AND NEC 250. DED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL

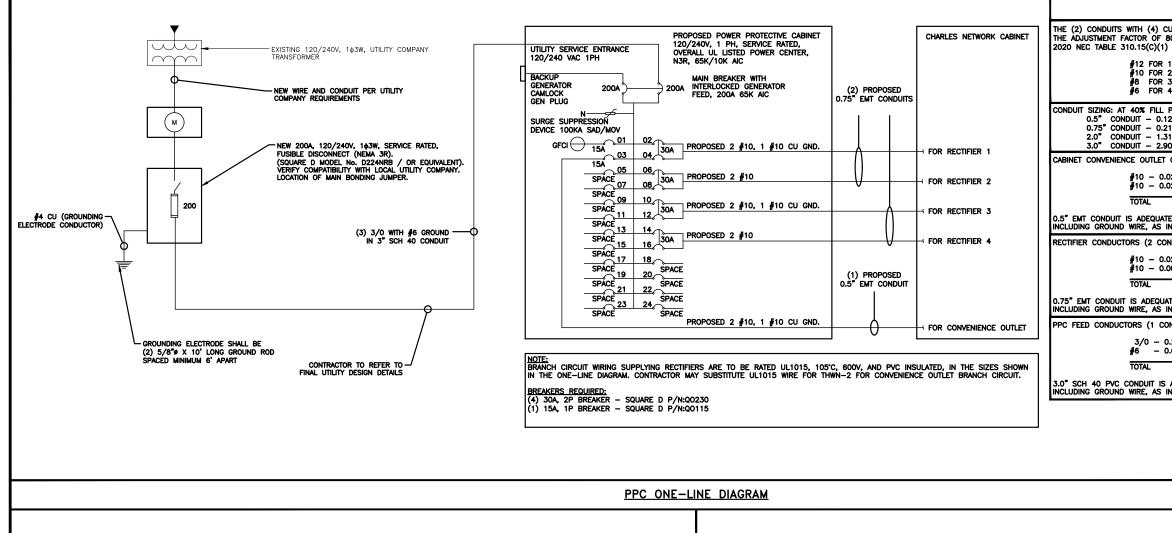
REFLECT POST-CONSTRUCTION EQUIPMENT.

EL SCHEDULE AND SITE DRAWINGS.







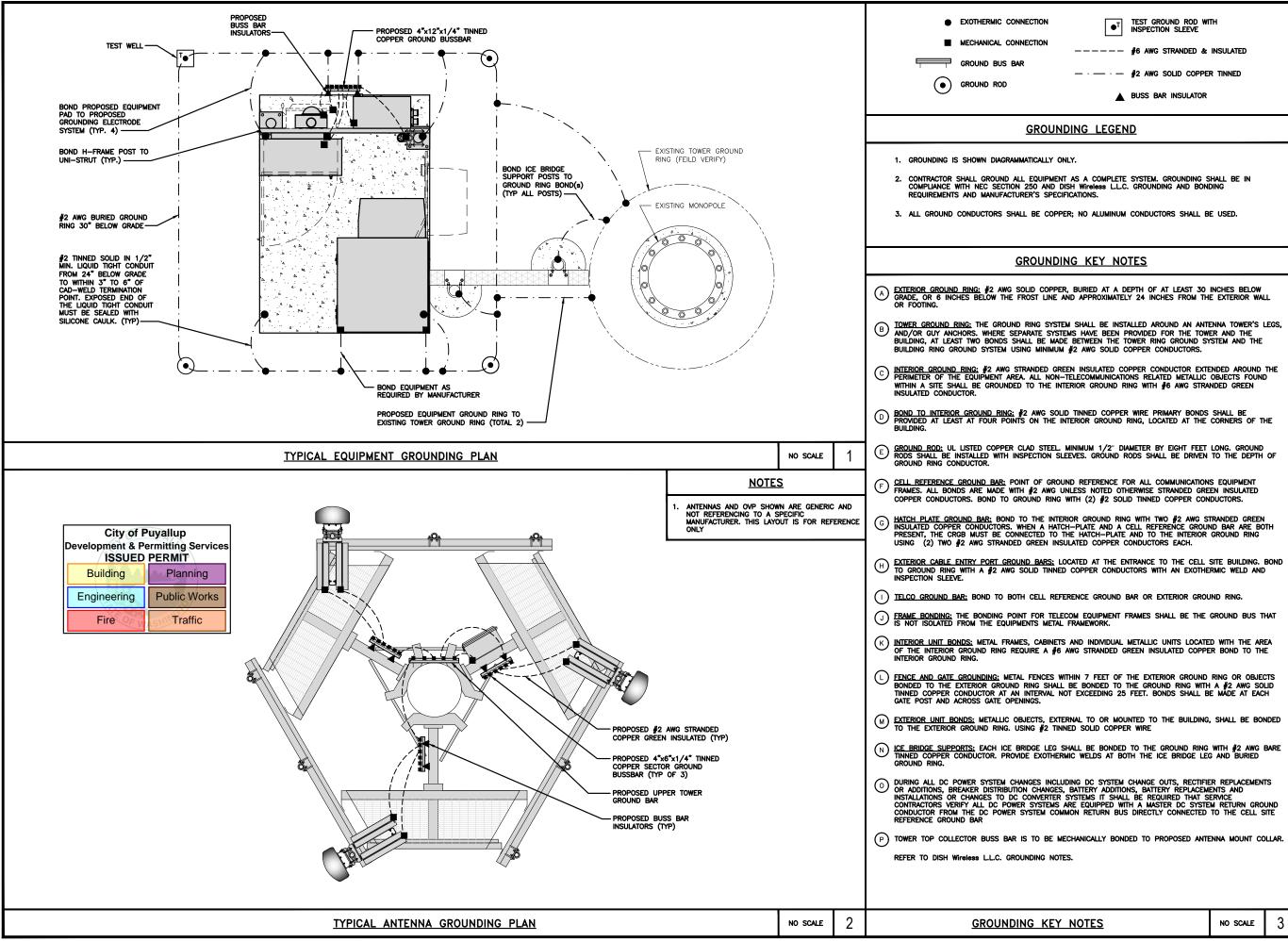


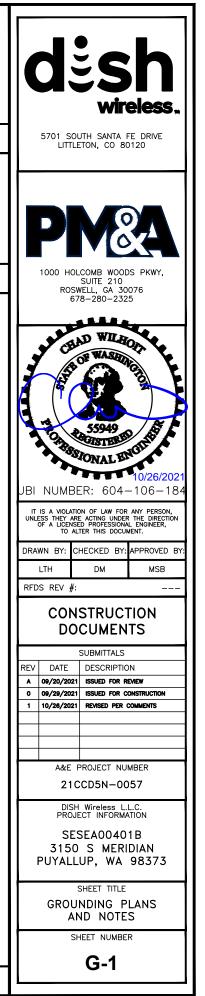
LOAD SERVED	(WA	AMPS TTS)	TRIP	скт #	Р	HAS	E	скт #	TRIP	(WA	AMPS TTS)	LOAD SERVED
	L1	L2								L1	L2	
PPC GFCI OUTLET CHARLES GFCI OUTLET	180	180	15A 15A	$\frac{1}{3}$	臣	B	臣	4	30A	2880	2880	ABB/GE INFINITY RECTIFIER 1
-SPACE-				5	Σ	A	<u>۲</u>	6	30A	2880		ABB/GE INFINITY
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-SPACE-				15	$\sim$	В	┢╲	16	001		2880	RÉCTIFIER 4
-SPACE-				17	$\sim$	Α	$\sim$	18				-SPACE-
-SPACE-				19		B	$\sim$	20				-SPACE-
-SPACE-				21		A	$\sim$	22				-SPACE-
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VOLTAGE AMPS	180	180								11520	11520	
200A MCB, 1¢, 24 SPACE, 120/240V L1 L2												
MB RATING: 65,000 AIC			1170	0	1	170	0	VO	LTAGE AM	PS		
			98 98				AMPS					
			98					MAX AMPS				
				1:	23			MA	K 125%			

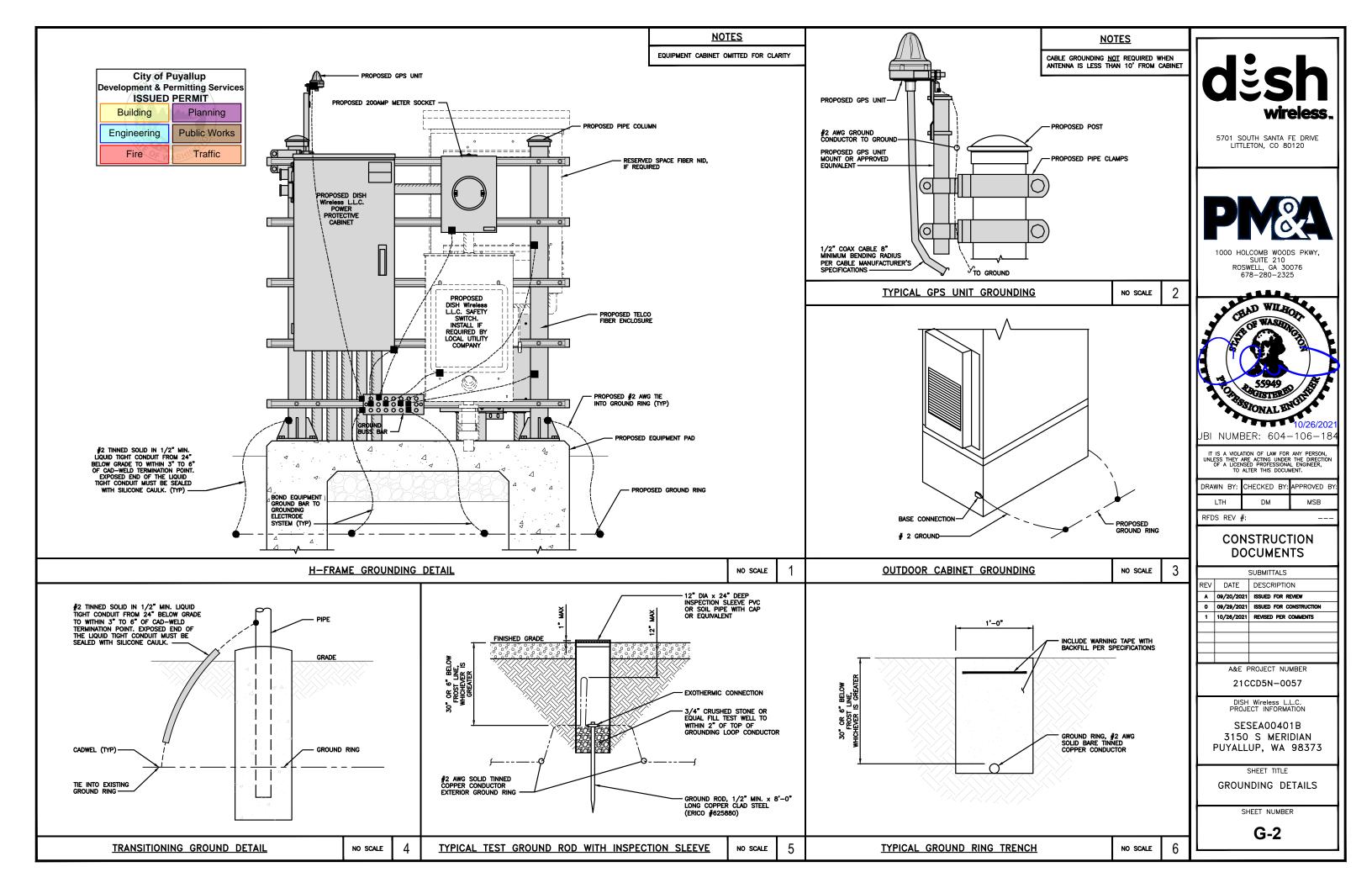
	Puyallup ermitting Services PERMIT
Building	Planning
Engineering	Public Works
Fire	Traffic

PANEL SCHEDULE	NO SCALE	2	NOT_USED
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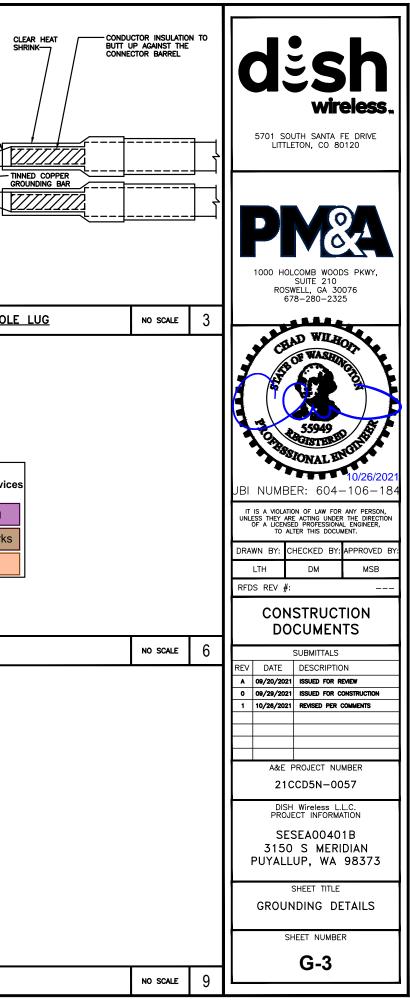
<u>NOTES</u>						
CURRENT CARRYING CONDUCTORS 80% PER 2014/17 NEC TABLE 3 1) FOR UL1015 WIRE.						
15A-20A/1P         BREAKER:         0.8 × 3           25A-30A/2P         BREAKER:         0.8 × 4           35A-40A/2P         BREAKER:         0.8 × 5           45A-60A/2P         BREAKER:         0.8 × 7	10A = 32.0A 55A = 44.0A				ž S	eless.
PER NEC CHAPTER 9, TABLE 4, 122 SQ. IN AREA 213 SQ. IN AREA 316 SQ. IN AREA 907 SQ. IN AREA	ARTICLE 358.		57		DUTH SANTA LETON, CO 8	FE DRIVE
t conductors (1 conduit): Usi	NG THWN—2, CU.	,				
0.0211 SQ. IN X 2 = 0.0422 SQ. 0.0211 SQ. IN X 1 = 0.0211 SQ. = 0.0633 SQ.	. IN <ground< td=""><td></td><td></td><td></td><td></td><td></td></ground<>					
ATE TO HANDLE THE TOTAL OF (3 INDICATED ABOVE.	) WIRES,				M	
ONDUITS): USING UL1015, CU.	15.1					
0.0266 SQ. IN X 4 = 0.1064 SQ. 0.0082 SQ. IN X 1 = 0.0082 SQ. = 0.1146 SQ.	. IN <bare grou<="" td=""><td>JND</td><td>10</td><td>ROS</td><td>DLCOMB WOO SUITE 210 SWELL, GA 3 578-280-23</td><td>0076</td></bare>	JND	10	ROS	DLCOMB WOO SUITE 210 SWELL, GA 3 578-280-23	0076
JATE TO HANDLE THE TOTAL OF ( INDICATED ABOVE. CONDUIT): USING THWN, CU.	5) WIRES,					<b>.</b>
0.2679 SQ. IN X 3 = 0.8037 S				CE	ND WILL	IOIT.
0.0507  SQ. IN X 1 = 0.0507  SQ $= 0.8544  SG$			1		OF WASH	AGI 🖡
S ADEQUATE TO HANDLE THE TOT/ INDICATED ABOVE.						Î.
				Y	55040	
				OF RO	COISTERS	S THE
			•		SOISTERS SIONAL F	NU
	, ,					<b>10/26/2021</b> -106-184
	NO SCALE	1	IT IS		TION OF LAW FO	
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			DRAWN LTI		CHECKED BY	: APPROVED BY: MSB
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					CCD5N-0	
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					SEA0040	
			PL PL		O S MER LUP, WA	
						: INE, FAULT SCHEDULE
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			1		<b>Г</b> 2	
					<b>F</b> = 5	
	NO SCALE	3			E-3	







<ol> <li>EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO C BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHER WELD.</li> <li>ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFAC AN ANTI-OXIDANT COMPOUND BEFORE MATING.</li> <li>FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COI BEFORE MATING.</li> <li>DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND COI DOWN TO GROUNDING BUS.</li> <li>NUT &amp; WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND B THE BACK SIDE.</li> <li>ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AND REQUIRED.</li> <li>ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHIR SUPPLIED ADDITIONS AND ADDITIONAL GROUND BAR AND B THE BACK SIDE.</li> </ol>	LARGER. ES WITH MPOUND NDUCTOR OLTED ON CTOR. AS		TOOTHED EXTERIOR TWO-HOLE SHRINK IV / BUTT	JCTOR INSULATIO UP AGAINST THE ECTOR BARREL		EXTERNAL INSPECTION WINDOW IN BARREL, REQUIRED FOR ALL INTERIOR TWO-HOLE CONNECTORS S/S LOCK WASHER S/S FLAT S/S FLAT S/S FLAT S/S BOLT (1 OF 2) 1/16" MINIMUM SPACING
TYPICAL GROUNDING NOTES	NO SCALE	1	TYPICAL EXTERIOR TWO HOLE LUG	NO SCALE	2	TYPICAL INTERIOR TWO HOLE
2 HOLE LONG BARREL TINNED SOLID COPPER	WASHER (TYP) WASHER (TYP)					City of Puyallup         Development & Permitting Service         ISSUED PERMIT         Building       Planning         Engineering       Public Works         Fire       Traffic
LUG DETAIL	NO SCALE	4	NOT_USED	NO SCALE	5	NOT USED
NOT USED	NO SCALE	7	NOT_USED	NO SCALE	8	<u>NOT_USED</u>
		-		-		•



RF JUMPER COLOR CODING		3/4" TAPE WIDTHS WITH 3/4" SPA	CING				
LOW-BAND RRH – (600MHz N71 BASEBAND) + (850MHz N26 BAND) + (700MHz N29 BAND) – OPTIONAL PER MARKET	+ SLANT - SLANT + SLANT -	BETA RRH       PORT 1     PORT 2     PORT 3       + SLANT     - SLANT     + SLANT       RED     BLUE     BLUE     BLUE	- SLANT + SLANT -	CAMMA     RRH       DRT 2     PORT 3     PORT 4       SLANT     + SLANT     - SLANT       IREEN     GREEN     GREEN		LOW BANDS (N71+N26) OPTIONAL - (N29) ORANGE	
ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)	WHITE () PORT ORANGE OR	/HITE		RANGE GREEN GREEN WHITE ) PORT ORANGE ORANGE (-) PORT		CBRS TECH (3 GHz) YELLOW	
MID–BAND RRH – (AWS BANDS N66+N70)		RED BLUE BLUE BLUE RED PURPLE PURPLE BLUE		REEN GREEN GREEN		ALPHA SECTOR	beta se Blui
ADD FREQUENCY COLOR TO SECTOR BAND (CBRS WILL USE YELLOW BANDS)		HITE I	PURPLE (-)	WHITE PURPLE PURPLE ) PORT WHITE (-) PORT		COLOR IDENTIFIER	
HYBRID/DISCREET CABLES	EXAMPLE 1 EXAMPLE 2	EXAMPLE 3					
INCLUDE SECTOR BANDS BEING SUPPORTED	RED RED BLUE	RED					
ALONG WITH FREQUENCY BANDS EXAMPLE 1 – HYBRID, OR DISCREET, SUPPORTS ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS	GREEN GREEN	ORANGE PURPLE					ity of F
EXAMPLE 2 – HYBRID, OR DISCREET, SUPPORTS CBRS ONLY, ALL SECTORS	ORANGE         YELLOW           PURPLE					Developme	
FIBER JUMPERS TO RRHs	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH	HIGH BAND RRH		Buildi	
LOW-BAND RRH FIBER CABLES HAVE SECTOR STRIPE ONLY	RED RED PURPLE	BLUE BLUE PURPLE	GREEN	GREEN PURPLE		Fire	
POWER CABLES TO RRHs	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH HIGH BAND RRH	LOW BAND RRH	HIGH BAND RRH			
LOW-BAND RRH POWER CABLES HAVE SECTOR STRIPE ONLY	RED RED	BLUE BLUE	GREEN	GREEN			
	PURPLE	PURPLE	GREEN	PURPLE		<u>NOT_USED</u>	
RET MOTORS AT ANTENNAS	ANTENNA 1 ANTENNA 1 LOW BAND/ "IN" RED RED PURPLE	ANTENNA 1 ANTENNA 1 LOW BAND/ HIGH BAND/ "IN" BLUE BLUE PURPLE	ANTENNA 1 LOW BAND/ H "IN" GREEN	ANTENNA 1 HIGH BAND/ "IN" GREEN PURPLE			
		FORWARD AZIMUTH OF 120-240 DEGREES	FORWARD AZIMUTH OF				
LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE. ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH ADDITIONAL MW RADIO.	PRIMARY SECONDARY	PRIMARY SECONDARY	PRIMARY WHITE	SECONDARY			
MICROWAVE CABLES WILL REQUIRE P-TOUCH LABELS INSIDE THE CABINET TO IDENTIFY THE LOCAL AND REMOTE SITE ID'S	RED     RED       WHITE     WHITE       RED     WHITE	BLUE     BLUE       WHITE     WHITE       BLUE     BLUE       WHITE     WHITE	GREEN WHITE	GREEN WHITE GREEN WHITE			
					I		

AWS (N66+N70+H-BLOCK) PURPLE NEGATIVE SLANT PORT ON ANT/RRH WHITE	_	dissipation of the second seco
ECTOR GAMMA SECTOR		1000 HOLCOMB WOODS PKWY, SUITE 210 ROSWELL, GA 30076
NO SCALE	2	678-280-2325
Puyallup Permitting Services PERMIT Planning Public Works Traffic		DRAWN BY: CHECKED BY: APPROVED BY: LTH DM MSB RFDS REV #:
NO SCALE	3	SUBMITTALS
		REV     DATE     DESCRIPTION       A     09/20/2021     ISSUED FOR REVIEW       0     09/20/2021     ISSUED FOR CONSTRUCTION       1     10/26/2021     REVISED FOR CONSTRUCTION       A&E     PROJECT NUMBER       21CCD5N-0057       DISH     Wireless       LLC.     PROJECT INFORMATION       SESEA00401B     3150       3150     S       SHEET TITLE     RF       CABLE     COLOR       SHEET     NUMBER       RF-1
NO SCALE	4	

EXCITENTIAL     And	EXCIDENTIAL CONNECTION     #AC       RECENTAL CONNECTION     #AC       BUSS BAR INSULATOR     #AC       CHEMICAL ELECTROLYTIC GROUNDING SYSTEM     #C       GROUNDING BAR     #AC       GROUNDING BAR     #AC       GROUNDING BAR     #AC       GROUNDING BAR     #AC       GROUND ROD     WITH INSPECTION SLEEVE     #E       UPLEX RECEPTACLE     #AC     #AC       DUPLEX RECEPTACLE     #F     #AC       SINGLE POLE SWITCH     #BC     #AC       SINGLE FOLE SWITCH     #BC     #C       SUBCE DETECTION (DC)     #BC     #C       COMPUTATION FENCE     #C     #C       FLUDRESCENT LIGHTING (DC)     #C     #C       CHAIN LINK FENCE     #C     #C       PROFERTY LINE (PL)     #C     #C       UNDERGROUND FOWER     #W     W     W       UNDERGROUND FOWER     #W     W     W       UNDERGROUND FOWER     #AF			40
BUSS BAR INSULATOR     AAAP       CHEMICAL ELECTROLYTIC GROUNDING SYSTEM     T       CHEMICAL ELECTROLYTIC GROUNDING SYSTEM     T       EXOTHERMIC WITH INSPECTION SLEEVE     T       COUNDING BAR     ALT       GROUNDING CO     Import       JUPLEX RECEPTACLE     Import       DUPLEX RECEPTACLE     Import       SINGLE POLE SWITCH     Import       DUPLEX RECEPTACLE     Import       FLUORESCENT LIGHTING (DC)     Import       SECONT LIGHTING (DC)     Import       SECOND STRUCH     Import       BLOC     Import       SUMKE DETECTION (DC)     Import       SECONT LIGHTING (DC)     Import       SECONT VIGHT WORD FENCE     Import       VALL STRUCTURE     Import       VALL	BUSS BAR INSULATOR CHEMICAL ELECTROLITIC GROUNDING SYSTEM TEST GROUND ROD WITH INSPECTION SLEEVE TEST GROUND ROTHER TES	EXOTHERMIC CONNECTION	•	AB ABV
BUDS BAR INSULATION     AFG       CHENICAL LECTROLYTIC GROUNDING SYSTEM     T       EXTCHEMICAL ELECTROLYTIC GROUNDING SYSTEM     T       CROUNDING BAR     T       GROUNDING BAR     T       SINGLE POLE SWITCH     S       DUPLEX FRECEPTACLE     T       FLUGRESCENT LIGHTING FXTURE     F       C(2) TWO LIMPS 48-TB     S       SINGLE DETECTION (DC)     SB       SECURTY LIGHT W/PHOTOCELL LITHONIA ALXW     CCL       LED-1-25M400/51K-SR-120-PE-DBETKD     CCL       VBOD/WROUND FENCE     C       WOOD/WROUND FENCE     C       WOOD/WROUND FENCE     C       VBOD/WROUND FOWER     USP UOP UOP UOP UOP       VALL STRUCTURE     SSTBACKS       UNDERGROUND FOWER     USP UOP UOP UOP UOP       UNDERGROUND FOWER     USP UOP UOP UOP       UNDERGROUND FOWER     USP UOP UOP       UNDERGROUND FOWER     UST/P       AGE     UST/P       UNDERGROUND TELCO     UST/P       UNDERG	BUSS BWX INSULATOR     Image: Constraint of the constrain	MECHANICAL CONNECTION	•	
TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM EXOTHERMIC WITH INSPECTION SLEEVE GROUNDING BAR GROUND ROD TEST GROUND ROD WITH INSPECTION SLEEVE SINGLE POLE SWITCH DUPLEX RECEPTACLE DUPLEX RECEPTACLE DUPLEX GFCI RECEPTACLE FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48-T8 SINGLE DETECTION (DC) SECURITY LIGHT W/PHOTOCELL LITHONN ALXW LED -1-28A/00/STM-STM-2PE-D0BTKO CHAIN LINK FENCE WALL STRUCTURE LEASE AREA PROPERTY LINE (PL) SETBACKS IC E BRIDGE CABLE TRAY WITER LINE UNDERGROUND FOWER UNDERGROUND FOWER UNDERGROUND TELCO OVERHEAD FOWER ABY SECURIN LICO CHAIN LINE CABLE TRAY WITER LINE UNDERGROUND TELCO OVERHEAD FOWER ABY COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP COMP C	TEST CHEMACH. ELECTROLITIC GROUNDING SYSTEM EXOTHERMIC WITH INSPECTION SLEEVE GROUNDING BAR ALT GROUND ROD UNDER FOLE SWITCH SINGLE POLE SWITCH DUPLEX RECEPTACLE UNDERSECTION GOD UPLEX RECEPTACLE ELERGENCY LIGHTING FORTURE ELORESCENT LIGHTING FORT ELORESCENT LIGHTING FORTURE ELORESCENT LIGHTI	BUSS BAR INSULATOR		
LEST OFENIALE ELECTION SLEEVE EXOTHERMIC WITH INSPECTION SLEEVE EXOTIE SWITCH UPLEX RECEPTACLE EXOTE EXOTOR FILL E EXOTE EXOTIC EXOTIC E EXOTE EXOTIC EXOTIC E EXOTE EXOTIC EXOTIC E EXOTIE EXOTIE EXOTIE E EXOTIE	ILSI CHARLA ELEURO IN GRUNDING SISTEM       AC         GRUNDING BAR       ALM         GRUNDING BAR       ALM         GRUNDING BAR       AT         GRUNDING BAR       AT         GRUNDING BAR       AT         GRUNDING BAR       AT         GRUNDING DAR       AT         GRUNDING DAR       AT         GRUNDING DAR       AT         GRUNDING DAR       AT         SINGLE POLE SWITCH       AC         DUPLEX RECEPTACLE       AR         FLUORESCENT LIGHTING FIXTURE       F         CUDRESCENT LIGHTING FIXTURE       F         CLUORESCENT LIGHTING FIXTURE       F         CHAIN LINK FENCE       CA         WOOD/WROUGHT IRON FENCE       CO         CHAIN LINK FENCE       CO         WOOD/WROUGHT IRON FENCE       CO         CHAIN LINK FENCE       CO         WALL STRUCTURE       CO         CALIN LINK FENCE       CO         WOOD/WROUGHT IRON FENCE       CO         CABLE TRAY       CA         CABLE T	CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	•	
EXOTHERMIC WITH INSPECTION SLEEVE     ALT       GROUNDING BAR     AT       AT     AT       GROUNDING BAR     AT       GROUND ROD     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	EXOTHERING WITH INSPECTION SLEEVE  ALL  GROUNDING BAR  GROUND ROD WITH INSPECTION SLEEVE  III IIIIIIIIIIIIIIIIIIIIIIIIIIIIII	TEST CHEMICAL ELECTROLYTIC GROUNDING SYS	TEM 😝 T	
ANT     ANT       GROUND ROD     IIIIII       TEST GROUND ROD     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	GIOLONIAL EX.     ATT       GIOLONIA DO     III       TEST GROUND ROD WITH INSPECTION SLEEVE     IIII       SINGLE POLE SWITCH     SLDG       DUPLEX RECEPTACLE     BLDG       DUPLEX RECEPTACLE     BLDG       CILONESCENT LIGHTING FORTURE     F       FLUORESCENT LIGHTING (DC)     SD       SMOKE DETECTION (DC)     SD       CHART LINK FENCE     F       CHART LINK FENCE     SD       PROPERTY LINK FENCE     SD       CHART LINK FENCE     SD       CHART LINK FENCE     SD       CABLE TRAY     SD       WATER LINE     SD       UNDERGROUND TELCO     UGT       UNDERGROUND TELCO     UGT       UNDERGROUND TELCO     UGT       OVERHEAD POWER     UGT/P       UNDERGROUND TELCO     UGT       UNDERGROUND TELCO     UGT       UNDERGROUND TELCO     UGT       UNDERGROUND TELCO     UGT       CONT     STAT       SECTION REFERENCE     SN       CONT     SN       SECTION REFERENCE     SN       CONT     SCTON       SECTION REFERENCE     SN       SECTION REFERENCE     SN       SECTION REFERENCE     SN       SECTION REFERENCE     SN	EXOTHERMIC WITH INSPECTION SLEEVE		
GROUND ROD     Image: Construct and the second and the	GROUND ROD       III       APPRO         TEST GROUND ROD WITH INSPECTION SLEEVE       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	GROUNDING BAR		
Index Notions for the main field both order to the main field both orde	INCLE POLE SWITCH       \$         SINGLE POLE SWITCH       \$         DUPLEX RECEPTACLE       \$         BUDGESCENT LIGHTING (PXTURE       \$         C(2) TWO LAMPS 48-T8       \$         SMOKE DETECTION (DC)       \$         SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW       \$         LED-1-25AM00/51K-SR4-120-PE-DOBTXD       \$         CHAR ERRER       \$         WOOD/WROUGHT IRON FENCE       \$         DYPERTY LINE (PL)       \$         SETTACKS       \$         ILE RINCE       \$         UNDERGROUND POWER       \$         UNDERGROUND TELCO       \$         OVERHEAD FOWER       \$         UNDERGROUND TELCO       \$         SETTACKS       \$         UNDERGROUND TELCO       \$         OVERHEAD FOWER       \$         UNDERGROUND TELCO       \$         OVERHEAD TELCO       \$         SETTACKS       \$         UNDERGROUND TELCO/POWER       \$         SAVE AROUND TELCO/POWER       \$         SAVE AROUND TELCO       \$         SAVE AROUND TELCO/POWER       \$         SECTION REFERENCE       \$         SECTION REFERENCE       \$	GROUND ROD	─●	APPROX
SINCLE FOLE SMICH DUPLEX RECEPTACLE DUPLEX GFCI RECEPTACLE FLUORESCENT LIGHTING FOXTURE (2) TWO LAMPS 48-T8 SMOKE DETECTION (DC) EMERGENCY LIGHTING (DC) SS SMOKE DETECTION (DC) EMERGENCY LIGHTING (DC) CHAIN LINK FENCE WOOD/WROUGHT IRCON FENCE WALL STRUCTURE ELESE AREA PROPERTY LINE (PL) SETBACKS ICE BRIDGE CABLE TAY WALL STRUCTURE UNDERGROUND FOWER UNDERGROUND FOWER UNDERGROUND TELCO OVERHEAD FOWER MACE MOUSE MALL STRUCTURE UNDERGROUND FOWER UNDERGROUND TELCO OVERHEAD FOWER AGD AND AND ALLON SECTION REFERENCE W.P. SECTION REFERENCE W.P. SECTION REFERENCE W.P. SECTION REFERENCE W.P. STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE STRUCTURE S	SINCLE POLL SWITCH UNPLEX RECEPTACLE UPLEX RECEPTACLE UPLEX GFCI RECEPTACLE UDRESCENT LIGHTING FXTURE (2) TWO LAMPS 48-T8 (5) SMOKE DETECTION (DC) (5) SMOKE DETECTION (DC) (5) SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CHAIN LINK FENCE UCASS SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CONST SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CONST SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25M00/51K-SR4-120-PE-D0BTXD CONST SECURITY LINK (PL) SECURITY LINK (PL) SECURITY LINK (PL) SECURITY LINK (PL) SECURITY SECU	TEST GROUND ROD WITH INSPECTION SLEEVE	<del>  ■</del> T	
DUPLEX RECEPTACLE     BLK       DUPLEX GFCI RECEPTACLE     BLK       FLUORESCENT LIGHTING FIXTURE     F       (2) TWO LAMPS 48-T8     F       SMOKE DETECTION (DC)     SD       SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW     COL       LED-1-25K0/05/1K-SK4-120-PE-DOBTXD     COM       CHAIN LINK FENCE	DUPLEX RECEPTACLE     BLK       BUR     BUR       PLUORESCENT LIGHTING FIXTURE     F       FLUORESCENT LIGHTING FIXTURE     F       (2) TWO LAMPS 48-T8     GO       SMOKE DETECTION (DC)     GO       SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW     GO       LEMERGENCY LIGHT W/PHOTOCELL LITHONIA ALXW     GO       LEMERGENCY LIGHT W/PHOTOCELL LITHONIA ALXW     GO       LEMAL STRUCTURE     COMMIN CONC       WOOD/WROUGHT IRON FENCE	SINGLE POLE SWITCH	\$	BATT
DUPLEX GFCI RECEPTACLE     Image: Construct of the construction of the construct	DUPLEX GFCI RECEPTACLE     Image: Construct of the construction of the construct	DUPLEX RECEPTACLE	$\bigoplus_{i=1}^{n}$	BLK
FLUGRESSENT LIGHTING FIXTURE       F         (2) TWO LAMPS 48-T8       GOF         SMOKE DETECTION (DC)       GO         SECURITY LIGHTING (DC)       GO         SECURITY LIGHTING (DC)       GO         CHAIN LINK FENCE       X         WOOD/WROUGHT IRON FENCE       CO         WALL STRUCTURE       Z         VALL STRUCTURE       Z         VALL STRUCTURE       Z         URDERGROUND HILE (PL)       CO         STRACKS       CO         UNDERGROUND POWER       UGP         UNDERGROUND TELCO       UGF         UNDERGROUND TELCO       UGT/P         UNDERGROUND TELCO       UGT/P         UNDERGROUND TELCO       UGT/P         UNDERGROUND TELCO/POWER       AGT /P         AGT       AGT /P         AGT       AGT /P         AGT /P       AGT /P         AGT /P       AGT /P         MORE GROUND TELCO/POWER       MGF /P         AGT /P       AGT /P       AGT /P         AGT /P       AGT /P       AGT /P         MORE GROUND TELCO/POWER       AGT /P       AGT /P         AGT /P       AGT /P       AGT /P         AGT /P       AGT /P	FLUDRESCENT LIGHTING FIXTURE       F         (2) TWO LAMPS 48-T8       (3)         SMOKE DETECTION (DC)       (3)         SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW       (3)         LED-1-25A400/51K-SR4-120-PE-DDBTXD       (3)         CHAIN LINK FENCE       (4)         WOOD/WROUGHT IRON FENCE       (4)         ULL STRUCTURE       (2)         LEASE AREA       (2)         PROPERTY LINE (PL)       (2)         SETBACKS       (2)         UNDERGROUND FENCE       (3)         UNDERGROUND FUNCO       (4)         UNDERGROUND POWER       (4)         UNDERGROUND TELCO       (4) <t< td=""><td>DUPLEX GFCI RECEPTACLE</td><td></td><td>ВМ</td></t<>	DUPLEX GFCI RECEPTACLE		ВМ
SMOKE DETECTION (DC)       Image: Construction of the second	SMOKE DETECTION (DC)       Image: Construction of the construction		[]   F    ]	BOF
EMERGENCY LIGHTING (DC)       Image: Comparison of the compari	EMERGENCY LIGHTING (DC)     Image: Construction of the const	SMOKE DETECTION (DC)	SD	СНС
SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW       COL         LED-1-25A400/51K-SR4-120-PE-DDBTXD       COMS         CHAIN LINK FENCE	SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW       COL         CHAIN LINK FENCE       X       X       X       X       COMM         WOOD/WROUGHT IRON FENCE	EMERCENCY LIGHTING (DC)		
LED-1-25A400/51K-SR4-120-PE-DDBTXD       CONC         CHAIN LINK FENCE	LED-1-25A400/51K-SR4-120-PE-DDBTXD       CONC         CHAIN LINK FENCE			COL
ONDAL LINK TENCE	CIDEN LINK TENCE			CONC
WOOD/WROUGHT IRON FENCE	WOOD/WROUGHT IRON FENCE	CHAIN LINK FENCE	x x x x	
UNALL SINCE INTERACTION OF THE SINCE OF	UNALL SINCOUNE     DF       LEASE AREA     DIA       PROPERTY LINE (PL)     DIA       SETBACKS     DWG       ICE BRIDGE     DWA       CABLE TRAY     DIAP       WATER LINE     WW W W W W W       UNDERGROUND POWER     UGP       UNDERGROUND TELCO     UGT       OVERHEAD POWER     UGT/P       UNDERGROUND TELCO     UGT/P       OVERHEAD TELCO     UGT/P       UNDERGROUND TELCO/POWER     UGT/P       UNDERGROUND TELCO/POWER     AGP       ABOVE GROUND TELCO     UGT/P       UNDERGROUND TELCO/POWER     MGT/P       ABOVE GROUND TELCO/POWER     AGT /P       ABOVE GROUND TELCO/POWER     AGT /P       AGT /P     AGT /P       AGT /P     AGT /P       VP.     FN       FOR     FO       FOR     FN       FOR     FN       FOR     FN       FOR     FN	WOOD/WROUGHT IRON FENCE	-000	DC
LEASE AREA	LEASE AREA     DIA       PROPERTY LINE (PL)     DIA       SETBACKS     DIM       ICE BRIDGE     DIA       CABLE TRAY     DIA       WATER LINE     WW       UNDERGROUND POWER     UGP       UNDERGROUND POWER     UGP       UNDERGROUND TELCO     UGT       OVERHEAD POWER     UGT/P       UNDERGROUND TELCO     OHP       OVERHEAD TELCO     OHF       UNDERGROUND TELCO     OHF       UNDERGROUND TELCO     OHF       OVERHEAD TELCO     OHF       UNDERGROUND TELCO/POWER     UGT/P       UNDERGROUND TELCO/POWER     AGP       AGP     AGP       AGP     AGF       AGT     AGT       AGT	WALL STRUCTURE		
PROPERTIT LINE (PL)     DIM       SETBACKS	PROPERTY LINE (PC)     DIM       SETBACKS     DWG       ICE BRIDGE     DWL       CABLE TRAY     EA       WATER LINE     WW W W W W       UNDERGROUND POWER     UGP UGP UGP UGP UGP UGP       UNDERGROUND TELCO     UGT UGT UGT UGT UGT UGT UGT       OVERHEAD POWER     OHP OHP OHP OHP       OVERHEAD TELCO     OHT OHT OHT OHT       UNDERGROUND TELCO/POWER     UGT/P UGT/P UGT/P UGT/P       ABOVE GROUND TELCO/POWER     AGP AGP AGP AGP AGP AGP       ABOVE GROUND TELCO/POWER     AGT AGT AGT AGT AGT AGT AGT       FG     ABOVE GROUND TELCO/POWER     FG       ABOVE GROUND TELCO/POWER     AGT/P AGT/P AGT/P AGT/P     FIN       WORKPOINT     W.P.     FDN       SECTION REFERENCE     X X X     FOX       DETAIL REFERENCE     X X     X X	LEASE AREA		
SETBACKS     DWG       ICE BRIDGE     INAC       CABLE TRAY     EA       WATER LINE     W W W W W W W       UNDERGROUND POWER     UGP UGP UGP UGP UGP UGP       UNDERGROUND TELCO     UGT UGT UGT UGT UGT UGT UGT       OVERHEAD POWER     OHP OHP OHP OHP       OVERHEAD TELCO     OHT OHT OHT OHT       UNDERGROUND TELCO/POWER     UGT/P UGT/P UGT/P UGT/P       ABOVE GROUND TELCO     OHT AGP AGP AGP AGP AGP       ABOVE GROUND TELCO     AGT AGT AGT AGT AGT       FG     ABOVE GROUND TELCO       W.P.     FDN       SECTION REFERENCE     XX	SETBACKS	PROPERTY LINE (PL)		
INDERGROUND FOWER       WATER LINE       WATER WARK       WARK       EL         UNDERGROUND POWER       UGP       UGP       UGP       UGP       UGP       UGP       UGP       ENG         OVERHEAD POWER       UGT       UGT       UGT       UGT       UGT       EXP         OVERHEAD TELCO       OHP       OHP       OHP       OHP       OHP       EXP         OVERHEAD TELCO       OHT       OHT       OHT       OHT       EXP         OVERHEAD TELCO/POWER       UGT/P       UGT/P       UGT/P       EXP         ABOVE GROUND TELCO/POWER       AGP       AGP       AGP       AGT       FG         ABOVE GROUND TELCO/POWER       AGT       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT       AGT       AGT       AGT       FI         BOVE GROUND TELCO/POWER       AGT       AGT       AGT       AGT       FI         SECTION REFERENCE       W.P.       FON       FON       FON       FON	INDECTION REFERENCE       EXTRACT X X X X X X X X X X X X X X X X X X X	SETBACKS		
CABLE TRAY	CABLE TRAY       EC         WATER LINE	ICE BRIDGE		
water line	water line       w w w w w w w w w w w w w       w       EL         UNDERGROUND POWER       UGP       UGP       UGP       UGP       UGP       EMT         UNDERGROUND TELCO       UGT       UGT       UGT       UGT       UGT       ENG         OVERHEAD POWER       OHP       OHP       OHP       OHP       OHP       EXP         OVERHEAD TELCO       OHT       OHT       OHT       OHT       EXT         UNDERGROUND TELCO/POWER       UGT/P       UGT/P       UGT/P       EXP         ABOVE GROUND TELCO       AGP       AGP       AGP       FF         ABOVE GROUND TELCO       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT/P       AGT       AGT       FI         VORKPOINT       W.P.       FO       FO       FO       FO         SECTION REFERENCE       XX       XX       XX       FO       FO         DETAIL REFERENCE       YX       XX       YX       FO       FO         FOW       FS       FOW       FS       FOW       FS	CABLE TRAY		
UNDERGROUND POWER       UGP       UGP       UGP       UGP       UGP       UGP       UGP       UGP       UGP       EMT         UNDERGROUND TELCO       UGT       UGT       UGT       UGT       UGT       UGT       ENG         OVERHEAD POWER       0HP       0HP       0HP       0HP       0HP       0HP       EXT         UNDERGROUND TELCO       0HT       0HT       0HT       0HT       0HT       EXT         UNDERGROUND TELCO/POWER       UGT/P       UGT/P       UGT/P       UGT/P       FAB         ABOVE GROUND POWER       AGP       AGP       AGP       AGT       FG         ABOVE GROUND TELCO       AGT       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT/P       AGT/P       AGT/P       FIN         WORKPOINT       W.P.       FDN       FDN       FON         SECTION REFERENCE       XX       XX       FOS       FOS	UNDERGROUND POWER     UGP     UGP     UGP     UGP     UGP     UGP     UGP     EMT       UNDERGROUND TELCO     UGT     UGT     UGT     UGT     UGT     UGT     EQ       OVERHEAD POWER     0HP     0HP     0HP     0HP     0HP     EXP       OVERHEAD TELCO     0HT     0HT     0HT     0HT     EXT       UNDERGROUND TELCO/POWER     UGT/P     UGT/P     UGT/P     EW       ABOVE GROUND POWER     AGP     AGP     AGP     AGT       ABOVE GROUND TELCO     AGT     AGT     AGT     AGT       ABOVE GROUND TELCO/POWER     AGT/P     AGT/P     AGT/P     FIN       WORKPOINT     W.P.     FON     FOC       SECTION REFERENCE     XX     XX     XX     FON       DETAIL REFERENCE     XX     XX     FON     FON	WATER LINE	w w w w	
UNDERGROUND TELCO       — UGT — UGT — UGT — UGT — UGT — UGT —       ENG         OVERHEAD POWER       — 0HP — 0HP — 0HP — 0HP —       EQ         OVERHEAD TELCO       — 0HT — 0HT — 0HT — 0HT —       EXT         UNDERGROUND TELCO/POWER       — UGT/P — UGT/P — UGT/P — UGT/P —       EXT         ABOVE GROUND TELCO       — AGP — AGP — AGP — AGP — AGP —       FF         ABOVE GROUND TELCO/POWER       — AGT — AGT — AGT — AGT —       FIF         ABOVE GROUND TELCO/POWER       — AGT/P — AGT/P — AGT/P —       FIN         SECTION REFERENCE       — XX       — VP.       FOO	UNDERGROUND TELCO       UGT       UGT       UGT       UGT       UGT       UGT       UGT       ENG         OVERHEAD POWER       OHP       OHP       OHP       OHP       OHP       OHP       EXP         OVERHEAD TELCO       OHT       OHT       OHT       OHT       OHT       EXT         UNDERGROUND TELCO/POWER       UGT/P       UGT/P       UGT/P       UGT/P       EXT         ABOVE GROUND POWER       AGP       AGP       AGP       AGP       FF         ABOVE GROUND TELCO       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT/P       AGT       FI       FG         ABOVE GROUND TELCO/POWER       AGT/P       AGT       AGT       FI         ABOVE GROUND TELCO/POWER       AGT/P       AGT/P       AGT/P       FIN         VORKPOINT       WORKPOINT       W.P.       FON       FOC         SECTION REFERENCE       XX       XX       X-X       FOW       FOW         DETAIL REFERENCE       XX       X-X       FOW       FS       FOW	UNDERGROUND POWER	UGP UGP UGP UGP	
OVERHEAD POWER     OHP     OHP     OHP     OHP     OHP       OVERHEAD TELCO     OHT     OHT     OHT     OHT     EXT       UNDERGROUND TELCO/POWER     UGT/P     UGT/P     UGT/P     UGT/P     EXT       ABOVE GROUND POWER     AGP     AGP     AGP     AGP     FF       ABOVE GROUND TELCO     AGT     AGT     AGT     AGT       ABOVE GROUND TELCO/POWER     AGT/P     AGT/P     AGT/P     FIN       VORKPOINT     W.P.     FDN     FOC       SECTION REFERENCE     XX     XX     FOC	OVERHEAD POWER $OHP$ $OHP$ $OHP$ $OHP$ $OHP$ $OHP$ OVERHEAD TELCO $OHT$ $OHT$ $OHT$ $OHT$ $OHT$ $OHT$ $EXT$ UNDERGROUND TELCO/POWER $UGT/P$ $UGT/P$ $UGT/P$ $UGT/P$ $UGT/P$ $EW$ ABOVE GROUND TELCO $AGP$ $AGP$ $AGP$ $AGP$ $FF$ ABOVE GROUND TELCO/POWER $AGT$ $AGT$ $AGT$ $AGT$ $FG$ ABOVE GROUND TELCO/POWER $AGT/P$ $AGT/P$ $AGT/P$ $FI$ BOVE GROUND TELCO/POWER $AGT/P$ $AGT/P$ $FI$ $FI$ BOVE GROUND TELCO/POWER $GT/P$ $GT/P$ $FI$ $FI$ BOVE GROUND TELCO/POWER<	UNDERGROUND TELCO	UGT UGT UGT UGT	
OVERHEAD TELCO    OHT     OHT     OHT     OHT     OHT     EXT       UNDERGROUND TELCO/POWER    UGT/P    UGT/P    UGT/P     EW     FAB       ABOVE GROUND POWER	OVERHEAD TELCO    OHT     OHT     OHT     OHT     OHT     EXT       UNDERGROUND TELCO/POWER    UGT/P    UGT/P    UGT/P     FAB       ABOVE GROUND POWER    AGP     AGP     AGP     FF       ABOVE GROUND TELCO	OVERHEAD POWER	OHP OHP OHP	
UNDERGROUND TELCO/POWEROGI/POGI/POGI/POGI/P ABOVE GROUND POWERAGPAGPAGPAGPAGPAGPAGF ABOVE GROUND TELCOAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGT AGTAGTAGTAGT AGT	UNDERGROUND TELCO/POWER $0GI/P$ $0GI/P$ $0GI/P$ $0GI/P$ $0GI/P$ $GI/P$ $FAB$ ABOVE GROUND POWER $AGP$ $AGP$ $AGP$ $AGP$ $FF$ ABOVE GROUND TELCO $AGT$ $AGT$ $AGT$ $AGT$ $FG$ ABOVE GROUND TELCO/POWER $AGT/P$ $AGT/P$ $AGT/P$ $FIF$ VORKPOINT $W.P.$ $FIR$ $FOR$ SECTION REFERENCE $XX$ $XX$ $Y$ DETAIL REFERENCE $XX$ $X \times X$ $FOW$ FS $FS$ $FS$ $FS$	OVERHEAD TELCO	онт онт онт	
ABOVE GROUND POWER — AGP — AGT	ABOVE GROUND POWER       AGP       AGP       AGP       AGP       FF         ABOVE GROUND TELCO       AGT       AGT       AGT       AGT       FG         ABOVE GROUND TELCO/POWER       AGT/P       AGT/P       AGT/P       FIN         WORKPOINT       W.P.       FON       FOC         SECTION REFERENCE       XX       XX       FOS         DETAIL REFERENCE       XX       XX       FOW			
ABOVE GROUND TELCO     — AGT — AGT — AGT — AGT — AGT —     FG       ABOVE GROUND TELCO/POWER     — AGT/P — AGT/P — AGT/P —     FIF       WORKPOINT     W.P.     FDN       SECTION REFERENCE     XX     XX	ABOVE GROUND TELCO       — AGT — AGT — AGT — AGT — AGT —       FG         ABOVE GROUND TELCO/POWER       — AGT/P — AGT/P — AGT/P — AGT/P —       FIF         WORKPOINT       W.P.       FDN         SECTION REFERENCE       XX       FOC         DETAIL REFERENCE       XX       XX         FOW       FS			
ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — AGT/P — FIN WORKPOINT W.P. FDN SECTION REFERENCE W.P. FOO FOO FOO FOO	ABOVE GROUND TELCO/POWER     AGT/P     AGT/P     AGT/P     AGT/P     Fin       WORKPOINT     W.P.     FDN     FOC       SECTION REFERENCE     XX     FOC     FOM       DETAIL REFERENCE     XX     XX     FOW			FG
WORKPOINT SECTION REFERENCE SECTION REFERENCE W.P. W.P. FDN FOC FOC FOC FOC FOC FOC	WORKPOINT SECTION REFERENCE DETAIL REFERENCE W.P. W.P. FDN FOC FOM FOS FOW FS			
SECTION REFERENCE	WORKPOINT     W.P.     FDN       SECTION REFERENCE     XX     FOC       DETAIL REFERENCE     XX     FOS       FOW     FS		רעיןיי העיקי — אפוןיד	
SECTION REFERENCE FOM FOS	SECTION REFERENCE FOM DETAIL REFERENCE FOW FOS FOW FS	WURKPUINI	W.P.	FDN
	DETAIL REFERENCE FOW FS	SECTION REFERENCE		FOM
Fow Fow		DETAIL REFERENCE		FOW
FT FTG				GA
FTG				GEN
FTG GA GEN	GA GEN			GLB
FTG GA GEN GFCI	GA GEN GFCI			GLV
FTG GA GEN GFCI GLB GLY	GA GEN GFCI GLB GLV			GPS GND
FTG GA GEN GFCI GLB GLV GPS	GA GEN GFCI GLB GLV GPS			GND
FTG GA GEN GFCI GLB GLV GPS GND	GA GEN GFCI GLB GLV GPS GND			HDG
FTG GA GEN GFCI GLV GPS GND GSM HDG	GA GEN GFCI GLB GLV GPS GND GSM HDG			HDR
FTG GA GEN GFCI GLD GLV GPS GPS GND GSM HDG HDR	GA GEN GFC1 GLU GLV GPS GND GSM HDG HDR			HGR
FTG GA GEN GFCI GLB GLV GPS GND GSM HDG HDR HDR	GA GEN GFC1 GLU GLV GPS GND GSM HDG HDR HGR			нт
FTG GA GEN GCCI GLB GLV GPS GND GSM HDG HDR HDR HDR	GA GEN GFC1 GLV GPS GND GSM HDG HDG HDR HDR HCR			IGR

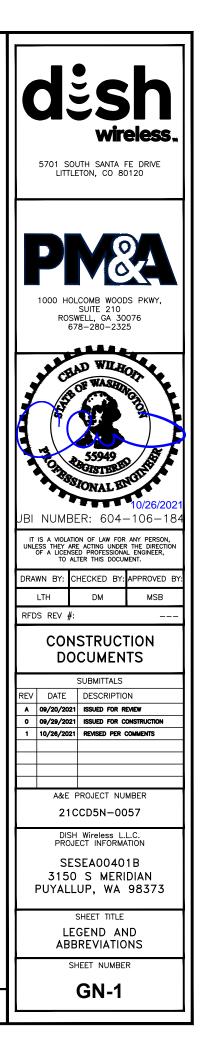
<u>LEGEND</u>

	ANCHOR BOLT	IN	1
	ABOVE	INT	I
		LB(S)	F
•	ADDITIONAL ABOVE FINISHED FLOOR	lf LTE	L
	ABOVE FINISHED GRADE	MAS	N
	ABOVE GROUND LEVEL	MAX	N
	AMPERAGE INTERRUPTION CAPACITY ALUMINUM	MB	N
•	ALTERNATE	MECH	N
	ANTENNA	MGB	N
юx	APPROXIMATE	MIN	N
ł	ARCHITECTURAL	MISC	N
	AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE	MTL MTS	N
	BATTERY	MW	N
	BUILDING	NEC	N
	BLOCK	NM	N
,	BLOCKING BEAM	NO.	1
	BARE TINNED COPPER CONDUCTOR	# NTS	N
	BOTTOM OF FOOTING	oc	c
	CABINET	OSHA	C
	CANTILEVERED CHARGING	OPNG	C
	CEILING	P/C PCS	F
	CLEAR	PCU	F
	COLUMN	PRC	F
M C	COMMON CONCRETE	PP	F
STR	CONSTRUCTION	PSF	F
	DOUBLE	PSI PT	F
	DIRECT CURRENT	PWR	F
	DEPARTMENT DOUGLAS FIR	QTY	Ç
	DIAMETER	RAD	F
	DIAGONAL	RECT	F
	DIMENSION	REINF	F
	DRAWING DOWEL	REQ'D	F
	EACH	RET	F
	ELECTRICAL CONDUCTOR	RF RMC	F
	ELEVATION	RRH	F
	ELECTRICAL ELECTRICAL METALLIC TUBING	RRU	F
	ENGINEER	RWY	F
	EQUAL	SCH SHT	5
	EXPANSION	SIAD	5
	EXTERIOR EACH WAY	SIM	S
	FABRICATION	SPEC	S
	FINISH FLOOR	SQ SS	S
	FINISH GRADE	STD	s
	FACILITY INTERFACE FRAME FINISH(ED)	STL	S
	FLOOR	TEMP	1
	FOUNDATION	thk Tma	1
	FACE OF CONCRETE	TN	1
	FACE OF MASONRY FACE OF STUD	TOA	1
	FACE OF WALL	TOC	1
	FINISH SURFACE	tof Top	1
	FOOT	TOS	1
	FOOTING GAUGE	TOW	1
	GENERATOR	TVSS	1
	GROUND FAULT CIRCUIT INTERRUPTER	TYP	1
	GLUE LAMINATED BEAM	UG UL	ι ι
	GALVANIZED GLOBAL POSITIONING SYSTEM	UNO	ι
	GLOBAL POSITIONING STSTEM GROUND	UMTS	ι
	GLOBAL SYSTEM FOR MOBILE	UPS	ι
	HOT DIPPED GALVANIZED	VIF	۱ ۷
	HEADER	w w/	V
	HANGER HEAT/VENTILATION/AIR CONDITIONING	WD	v
	HEIGHT	WP	V
	INTERIOR GROUND RING	WT	۷
			_

	INCH	
	INTERIOR	
)	POUND(S)	
	LINEAR FEET	
	LONG TERM EVOLUTION MASONRY	
	MAXIMUM	
	MACHINE BOLT	
H	MECHANICAL	
	MANUFACTURER MASTER GROUND BAR	
	MINIMUM	
:	MISCELLANEOUS	
	METAL	
	MANUAL TRANSFER SWITCH	
	MICROWAVE NATIONAL ELECTRIC CODE	
	NEWTON METERS	
	NUMBER	
	NUMBER	
	NOT TO SCALE	
4	ON-CENTER OCCUPATIONAL SAFETY AND HEALTH ADMINISTR	RATION
G	OPENING	U.I.O.V
	PRECAST CONCRETE	
	PERSONAL COMMUNICATION SERVICES	
	PRIMARY CONTROL UNIT	
	PRIMARY RADIO CABINET POLARIZING PRESERVING	
	POUNDS PER SQUARE FOOT	
	POUNDS PER SQUARE INCH	
	PRESSURE TREATED	
	POWER CABINET	
	QUANTITY RADIUS	
г	RECTIFIER	
	REFERENCE	
F	REINFORCEMENT	
D	REQUIRED REMOTE ELECTRIC TILT	
	RADIO FREQUENCY	
	RIGID METALLIC CONDUIT	
	REMOTE RADIO HEAD	
	REMOTE RADIO UNIT RACEWAY	
	SCHEDULE	
	SHEET	
	SMART INTEGRATED ACCESS DEVICE	
	SIMILAR	
2	SPECIFICATION SQUARE	<b>_</b>
	STAINLESS STEEL	Develop
	STANDARD	
_	STEEL	Bui
•	TEMPORARY THICKNESS	Engir
	TOWER MOUNTED AMPLIFIER	
	TOE NAIL	F
	TOP OF ANTENNA	
	TOP OF CURB TOP OF FOUNDATION	
	TOP OF PLATE (PARAPET)	
	TOP OF STEEL	
	TOP OF WALL	
;	TRANSIENT VOLTAGE SURGE SUPPRESSION	
	TYPICAL UNDERGROUND	
	UNDERWRITERS LABORATORY	
	UNLESS NOTED OTHERWISE	
5	UNIVERSAL MOBILE TELECOMMUNICATIONS SYS	
	UNITERRUPTIBLE POWER SYSTEM (DC POWER	PLANT)
	VERIFIED IN FIELD WIDE	
	WITH	
	WOOD	
	WEATHERPROOF	
	WEIGHT	

**ABBREVIATIONS** 

City of Puyallup Development & Permitting Ser ISSUED PERMIT				
Building	Plannin			
Engineering	Public Wo			
Fire	Traffic			





## SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED - NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.

2. "LOOK UP" - DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.

4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH WIRELESS L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).

5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."

6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.

10. 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 CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.

11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.

12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH WIRELS LL.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.

14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.

15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.

16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.

18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

22. 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.

## GENERAL NOTES:

1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER:DISH Wireless L.L.C.

TOWER OWNER: TOWER OWNER

2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.

4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.

5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.

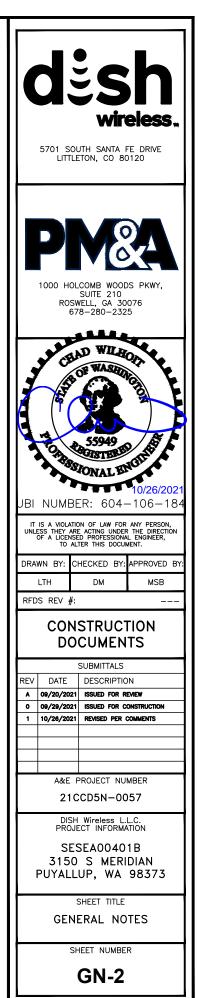
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH Wireless L.L.C. AND TOWER OWNER

13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

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## CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS (THE CONCRETE HAS BEEN 3. DESIGNED BASED ON 2500 PSI), UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90'F AT TIME OF PLACEMENT

CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.

ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- · CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER 2"
- #5 BARS AND SMALLER 1-1/2"
- · CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2"

A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE. UNLESS NOTED OTHERWISE. 7 IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

# ELECTRICAL INSTALLATION NOTES:

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.

WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC. 3.

ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT 4.2. CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.

EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.

ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE 6. CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).

PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS. 7.

TIE WRAPS ARE NOT ALLOWED

ALL POWER AND FOUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) a WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS 11 OTHERWISE SPECIFIED.

POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).

RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS. 16.

17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.

LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION 18. OCCURS OR FLEXIBILITY IS NEEDED.

CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET 19. SCREW FITTINGS ARE NOT ACCEPTABLE.

CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE 20. NEC.

21 WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).

22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).

23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.

EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET 24. STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.

METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR 25. EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED 26. NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

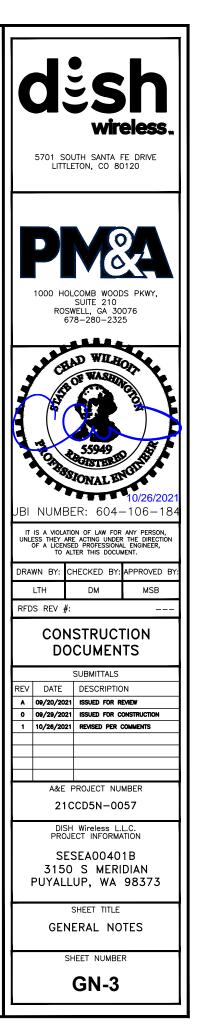
THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND 27 TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE 28. WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless L.L.C.".

30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

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### GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.

4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.

6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.

7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.

8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.

11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.

13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.

14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.

15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.

17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.

19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).

21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.

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