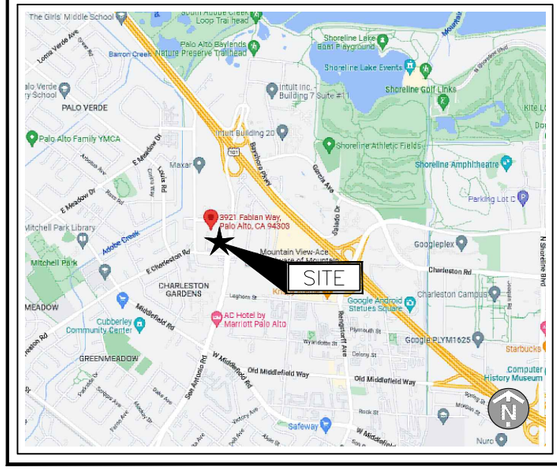
SHEET INDEX

DRIVING DIRECTIONS

FROM: NORMAN Y. MINETA SAN JOSE INTERNATIONAL AIRPORT
1701 AIRPORT BLVD, SAN JOSE, CA 95110
GET ON US-101 N FROM AIRPORT BLVD AND AIRPORT PKWY
FOLLOW US-101 N TO SAN ANTONIO RD. TAKE EXIT 400C FROM US-101 N
CONTINUE ON SAN ANTONIO RD. DRIVE TO FABIAN WAY
3921 FABIAN WAY
PALO ALTO, CA 94303

VICINITY MAP



PROJECT TEAM

Sirius XM SATELLITE RADIO
1500 ECKINGTON PLACE NE
WASHINGTON DC, 20002
(202) 380-4157

APPLICANT

FULLERTON
1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
www.FullertonEngineering.com

ENGINEER

CODE COMPLIANCE:

- HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED
- FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
- FACILITY HAS NO PLUMBING OR REFRIGERANTS
- THIS FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS

SCOPE OF WORK:

- INSTALL (1) NEW SIRIUS XM CABINET ON PROPOSED PLATFORM MOUNTED ON ELEVATED STEEL BEAM FRAME INSIDE SCREEN WALL
- INSTALL (1) NEW SIRIUS XM RX DISH ON PROPOSED MOUNT ATTACHED TO EXISTING SCREEN WALL
- INSTALL (1) NEW SIRIUS XM PANEL ANTENNA ON PROPOSED MOUNT ATTACHED TO EXISTING SCREEN WALL
- INSTALL (1) NEW SIRIUS XM VSAT ON PROPOSED MOUNT ATTACHED TO EXISTING SCREEN WALL
- INSTALL (1) NEW SIRIUS XM GPS ON EXISTING PENTHOUSE WALL
- ALL NEW MATERIAL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. CABINETS, ANTENNAS AND CABLES FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR

Sirius XM SATELLITE RADIO

TAUBE KORET CAMPUS

SITE I.D.

SFX631B

SITE ADDRESS

3921 FABIAN WAY
PALO ALTO, CA 94303

STRUCTURE TYPE

ROOFTOP

PROJECT SUMMARY

SITE NAME:	TAUBE KORET CAMPUS
SITE NO:	SFX631B
SITE ADDRESS:	3921 FABIAN WAY PALO ALTO, CA 94303
COUNTY:	SANTA CLARA COUNTY
SITE COORDINATES	RCRF
LATITUDE:	37.422177° (NAD 83)
LONGITUDE:	-122.102056° (NAD 83)
GROUND ELEVATION:	65' (AMSL)
JURISDICTION:	CITY OF PALO ALTO
ZONING:	PC-4918
APPLICANT:	SIRIUS XM 1500 ECKINGTON PL NE WASHINGTON, DC 20002 TEL: (202) 380-4157 FAX: (202) 380-4570
LANDLORD:	TAUBE KORET CAMPUS 3921 FABIAN WAY, PALO ALTO, CA 94303

BUILDING CODE: 2019 CALIFORNIA BUILDING CODE
ELECTRICAL CODE: 2019 CALIFORNIA ELECTRICAL CODE

CERTIFICATION STATEMENT

I HEREBY CERTIFY THAT THESE DRAWING WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

APPROVALS

CONST.		DATE
RF		DATE
OPS		DATE
LANDLORD		DATE

DRAWING SCALED TO 11"x17"

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APPROVED BY:	JP		
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A	03/18/22	90% REVIEW	KK
B	03/22/22	95% REVIEW	KK
0	03/28/22	FINAL	KK

SITE NAME
TAUBE KORET CAMPUS

SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
TITLE SHEET

SHEET NUMBER
T-1

2020.0030.0031

GENERAL CONSTRUCTION NOTES:

1. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL.
2. THESE PLANS ARE INTENDED TO BE USED TO DIRECT THE PROPOSED LAYOUT. DRAWINGS SHOULD NOT BE SCALED UNLESS OTHERWISE NOTED. PLANS, ELEVATIONS AND DETAILS ARE INTENDED TO SHOW THE END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
4. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED BY THE ENGINEER OF RECORD.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK PERFORMED AND MATERIALS INSTALLED TO BE IN STRICT CONFORMANCE, AS A MINIMUM STANDARD, WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION. ELECTRICAL SYSTEMS SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL OTHER LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND WITH LOCAL UTILITY COMPANY SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
6. THE CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DIRT, STUMPS, STONES, RUBBISH OR DEBRIS IN ACCORDANCE WITH ALL LOCAL AND ENVIRONMENTAL LAWS. NO MATERIALS OR EQUIPMENT SHALL BE PLACED ANYWHERE ON OR IN THE STRUCTURE WITHOUT MAKING ADEQUATE PROVISIONS TO PROTECT EXISTING PROPERTY. UPON COMPLETION, REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DURING CONSTRUCTION. REPAIR ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

WARRANTIES AND BONDS:

1. THE CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIALS USED IN THIS PROJECT FOR A MINIMUM PERIOD OF ONE (1) YEAR COMMENCING FROM THE DATE OF FINAL ACCEPTANCE BY THE CLIENT. THE CONTRACTOR IS NOT REQUIRED TO GUARANTEE MATERIAL SUPPLIED BY THE OWNER.
2. FINAL DATE OF ACCEPTANCE IS DEEMED AS THE DATE THAT ALL REQUIRED STATE AND FEDERAL APPROVAL HAVE BEEN OBTAINED INCLUDING, BUT NOT LIMITED TO:
   A. FINAL INSPECTION– D14
   B. CERTIFICATE OF OCCUPANCY
3. ANY DEFICIENCIES THAT COME EVIDENT DURING THIS ONE (1) YEAR PERIOD SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

DELIVERY, STORAGE AND HANDLING:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROCEDURES AND SCHEDULING ASSOCIATED WITH HOISTING, STAGING, AND ERECTING OF MATERIALS AND EQUIPMENT TO AND/OR UPON THE SITE.
2. ALL ELEMENTS OF THE EXISTING SITE, I.E. STRUCTURES, SITE PLANTINGS, ETC. SHALL BE PROTECTED AS NECESSARY FROM SAID ACTIONS. THIS WORK MUST BE DONE IN A SAFE, SECURE NONDESTRUCTIVE MANNER FOR PROTECTING PERSONNEL AND PROPERTY.

SITE WORK GENERAL NOTES:

1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWING AND STIPULATED IN THE SPECIFICATION PROJECT SUMMARY.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER FLOW AWAY FROM THE EQUIPMENT SHELTER AND TOWER AREAS.
5. 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.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. 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 ENGINEERING.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED AND SEEDED.
9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ALL BACK FILL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY AS DETERMINED BY ASTM STANDARD TEST PROCEDURES.

CONSTRUCTION SPECIFICATIONS:

1. THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY EXIST IN ORDER THAT ANY RESTRICTIONS PERTAINING TO THE WORK ARE UNDERSTOOD. ALL AREAS AND DIMENSIONS ARE INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, BUT ALL CONDITIONS SHALL BE VERIFIED BY EACH CONTRACTOR AND/OR SUBCONTRACTOR AT THE SITE. THE FAILURE OF THE CONTRACTOR TO EXAMINE OR RECEIVE ANY FORM, INSTRUMENT OR DOCUMENT, OR TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY OBLIGATION WITH RESPECT TO THEIR QUOTED PRICE. THE SUBMISSION OF A QUOTATION SHALL ACKNOWLEDGE THAT THE CONTRACTOR AND THEIR SUBCONTRACTORS HAVE FULLY EXAMINED THE SITE AND KNOW THE EXISTING CONDITIONS AND HAVE MADE PROVISIONS FOR OPERATING UNDER THE CONDITIONS AS THEY EXIST AT THE SITE AND HAVE INCLUDED ALL NECESSARY ITEMS.
2. THE GENERAL CONTRACTOR'S RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION OF THE EQUIPMENT FOUNDATION, INCLUDING ELECTRICAL SERVICE, TELEPHONE CONDUITS, GROUNDING SYSTEM AND COORDINATION WITH LOCAL UTILITY COMPANIES.
3. THE ANTENNA INSTALLERS RESPONSIBILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, CABLE TRAY INSTALLATION, ROUTING OF CABLES FROM RADIO EQUIPMENT TO ANTENNAS, ASSOCIATED HARDWARE FOR SECURING ANTENNA CABLES, ANTENNA MOUNTS, DETERMINING SUPPLIER OF ANTENNAS, GROUNDING OF ANTENNAS TO GROUNDING SYSTEM, INSTALLING ANTENNAS AND VERIFYING WITH RADIO FREQUENCY ENGINEERS, THE ALIGNMENT, LOCATION, AND PROPER ORIENTATION OF ANTENNAS.
4. THE CONTRACTORS SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE BUILDING LANDLORD IN ORDER TO AVOID CONFLICTS WITH CURRENT USE OF THE SITE.
5. THE OWNER MAY HAVE WORK PERFORMED UNDER SEPARATE CONTRACTS, CONCURRENTLY, WITH THE WORK OF THIS CONTRACT.
6. THE GENERAL CONTRACTOR SHALL PERMIT ACCESS TO THE PROJECT TO THESE CONTRACTORS TO PERFORM THEIR WORK.
7. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE LOCAL, COUNTY, STATE, AND FEDERAL CODES, LAWS AND REQUIREMENTS, INCLUDING OSHA.
8. THE CONTRACTOR SHALL APPLY AND PAY FOR THE CONSTRUCTION PERMIT, CERTIFICATE OF OCCUPANCY AND ALL OTHER REQUIRED PERMITS OR LICENSES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL INSPECTIONS.
9. CARE SHALL BE EXERCISED IN PROTECTING THE BUILDING OCCUPANTS DURING THE DEMOLITION AND CONSTRUCTION PERIODS OF THIS PROJECT. EVERY EFFORT SHALL BE MADE TO MAINTAIN A CLEAN OPERATION. DEBRIS SHALL NOT ACCUMULATE. ALL DEBRIS WILL BE DEPOSITED IN A SUITABLE CONTAINER ON A DAILY BASIS AND SHALL BE EMPTIED ON A REGULAR SCHEDULE. THE LOCATION OF THE CONTAINER SHALL BE COORDINATED WITH THE BUILDING MANAGER.
10. SAFETY PROCEDURES: ATTENTION IS DIRECTED TO FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH STANDARDS. THE CONSTRUCTION COMPANY AWARDED THIS PROJECT SHALL ENSURE ALL WORKING SURROUNDINGS AND CONDITIONS ARE SANITARY AND ARE NOT HAZARDOUS OR DANGEROUS TO THE HEALTH OR SAFETY OF THE WORK CREWS OR BUILDING OCCUPANTS. PRECAUTION SHALL BE EXERCISED AT ALL TIMES FOR THE PROTECTION OF PERSONS AND PROPERTY. IT IS MANDATORY THAT THE SAFETY PROVISIONS OF APPLICABLE LOCAL LAWS, OSHA REGULATIONS AND BUILDING AND CONSTRUCTION CODES, BE OBSERVED FOR ALL CONTRACTORS AND ANTENNA RIGGERS.
11. THE GENERAL CONTRACTOR MUST COORDINATE ALL ROOF RELATED WORK WITH THE LANDLORD'S PRE–APPROVED ROOFER. THE GENERAL CONTRACTOR MUST CONFIRM THE COMPATIBILITY OF ALL MATERIALS AND ENSURE THAT ALL EXISTING ROOF WARRANTIES, IF ANY, REMAIN IN EFFECT.

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CHECKED BY:	JS
APPROVED BY:	JP

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SITE NAME
TAUBE KORET CAMPUS

SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
GENERAL NOTES

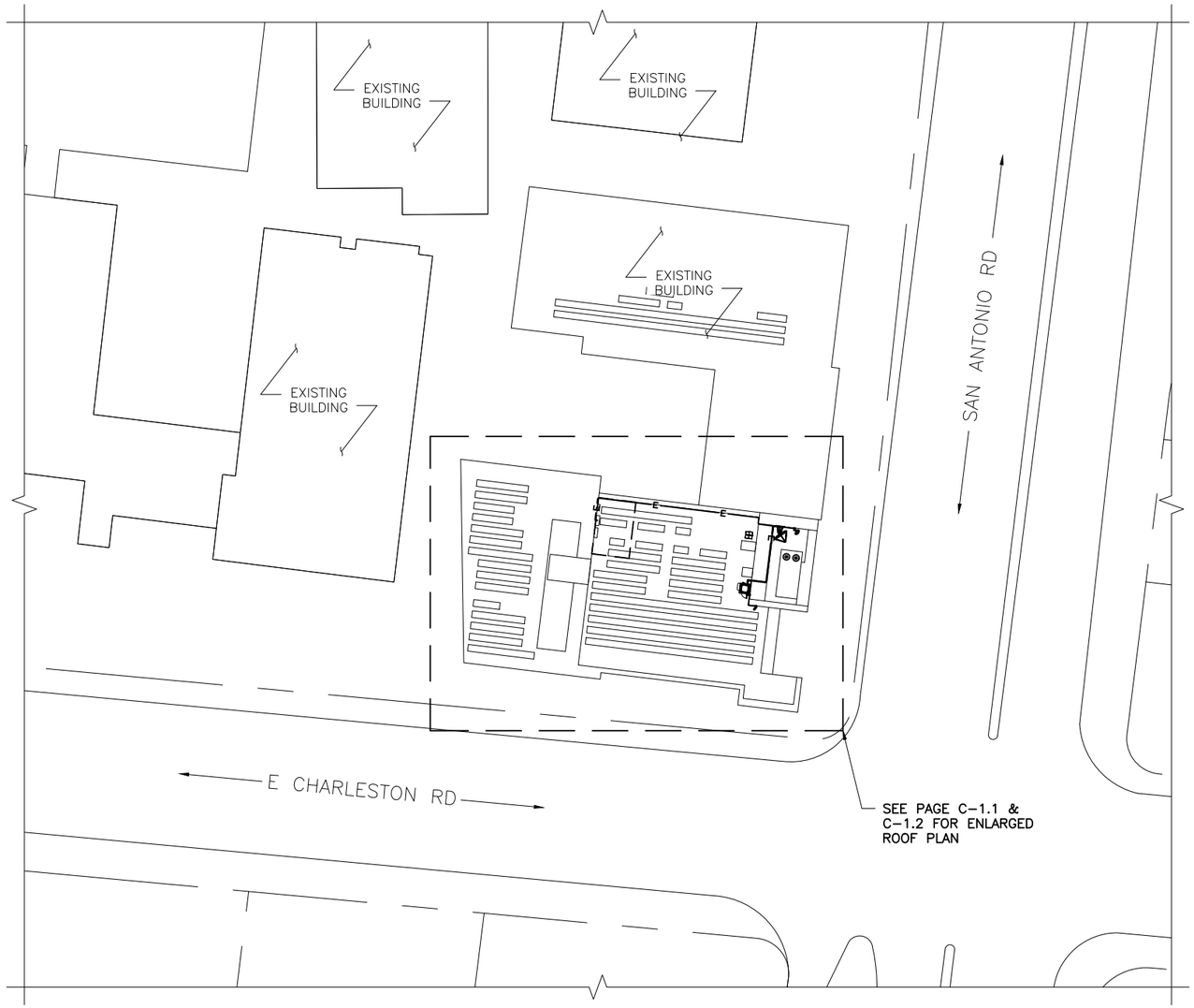
SHEET NUMBER
T-2

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AGL	ABOVE GRADE LEVEL
AMSL	ABOVE MEAN SEA LEVEL
APPROX	APPROXIMATE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BTS	BASE TRANSMISSION STATION
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CND	CONDUIT
DWG	DRAWING
FT	FOOT(FEET)
EGB	EQUIPMENT GROUND BAR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ELEV	ELEVATION
EQUIP	EQUIPMENT
EXISTING	EXISTING
EXT	EXTERIOR
FND	FOUNDATION
GA	GAUGE
GALV	GALVANIZED
GPS	GLOBAL POSITIONING SYSTEM
GND	GROUND
LTE	LONG TERM EVOLUTION
MAX	MAXIMUM
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
NTS	NOT TO SCALE
O.C.	ON CENTER
OE/OT	OVERHEAD ELECTRIC/TELCO
RGS	RIGID GALVANIZED STEEL
IN	INCH(ES)
INT	INTERIOR
LB.(#)	POUND(S)
RRU	REMOTE RADIO UNIT
SF	SQUARE FOOT
STL	STEEL
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELCO
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W/	WITH
XFMR	TRANSFORMER
℄	CENTERLINE
P̄L	PLATE

SYMBOLS

- ℄ CENTERLINE
- # REVISION
- WORK POINT
- UTILITY POLE
- BRICK
- COMPRESSED STONE
- CONCRETE
- EARTH
- GRAVEL
- MASONRY
- STEEL
- CENTERLINE
- PROPERTY LINE
- LEASE LINE
- EASEMENT LINE
- CHAIN LINK FENCE
- WOOD FENCE
- UE — BELOW GRADE ELECTRIC
- UT — BELOW GRADE TELEPHONE
- OE/OT — OVERHEAD ELECTRIC/TELEPHONE
- L A (S-1) L A — SECTION REFERENCE



SITE PLAN

SCALE: 1" = 60'-0" | 1

Sirius XM SATELLITE RADIO
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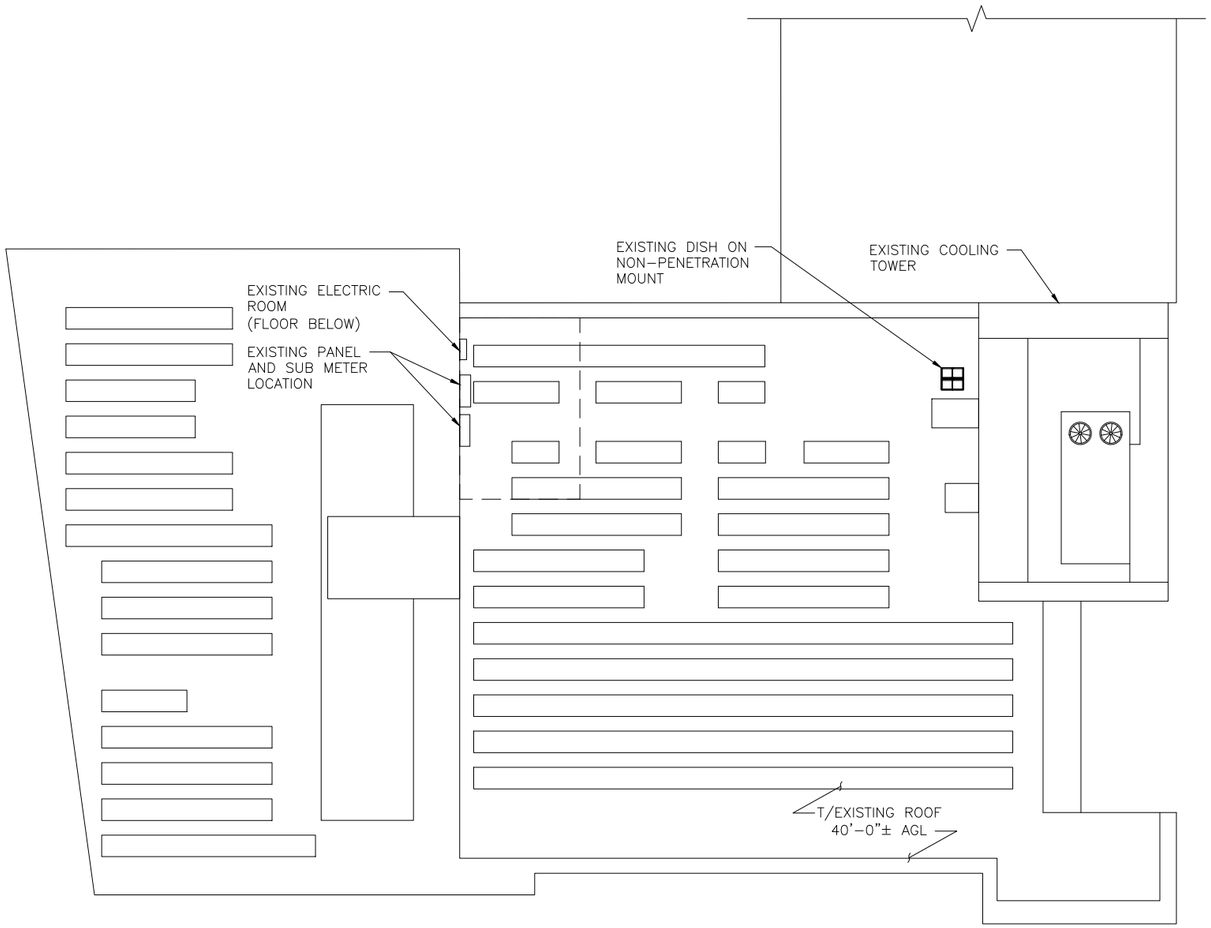
SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
SITE PLAN

SHEET NUMBER
C-1.0

2020.0030.0031



EXISTING ENLARGED ROOF PLAN

SCALE: 1" = 20'-0" | 1

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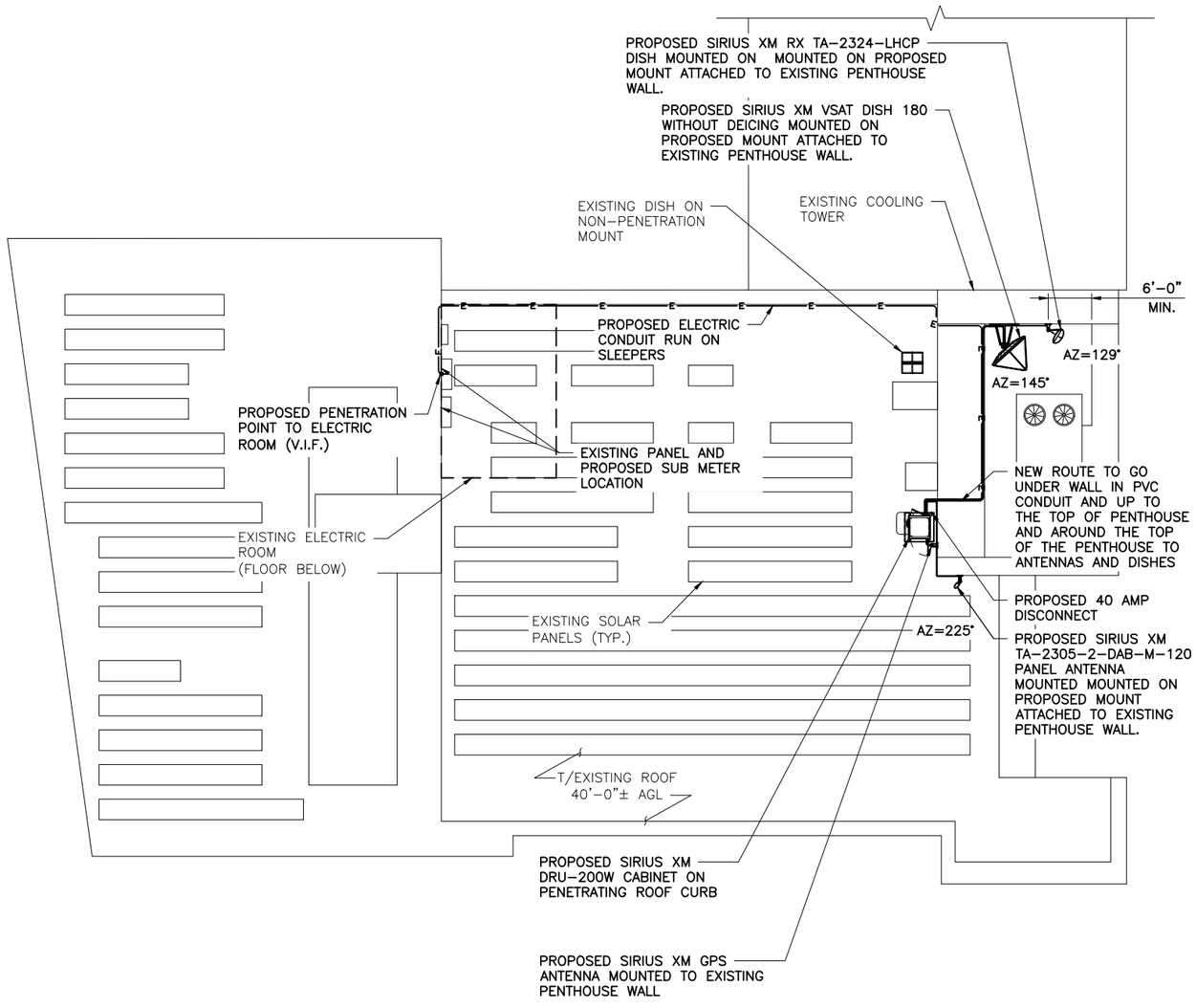
PALO ALTO, CA 94303

SHEET NAME
EXISTING ENLARGED ROOF PLAN

SHEET NUMBER
C-1.1

2020.0030.0031



PROPOSED ENLARGED ROOF PLAN

SCALE: 1" = 20'-0" | 1

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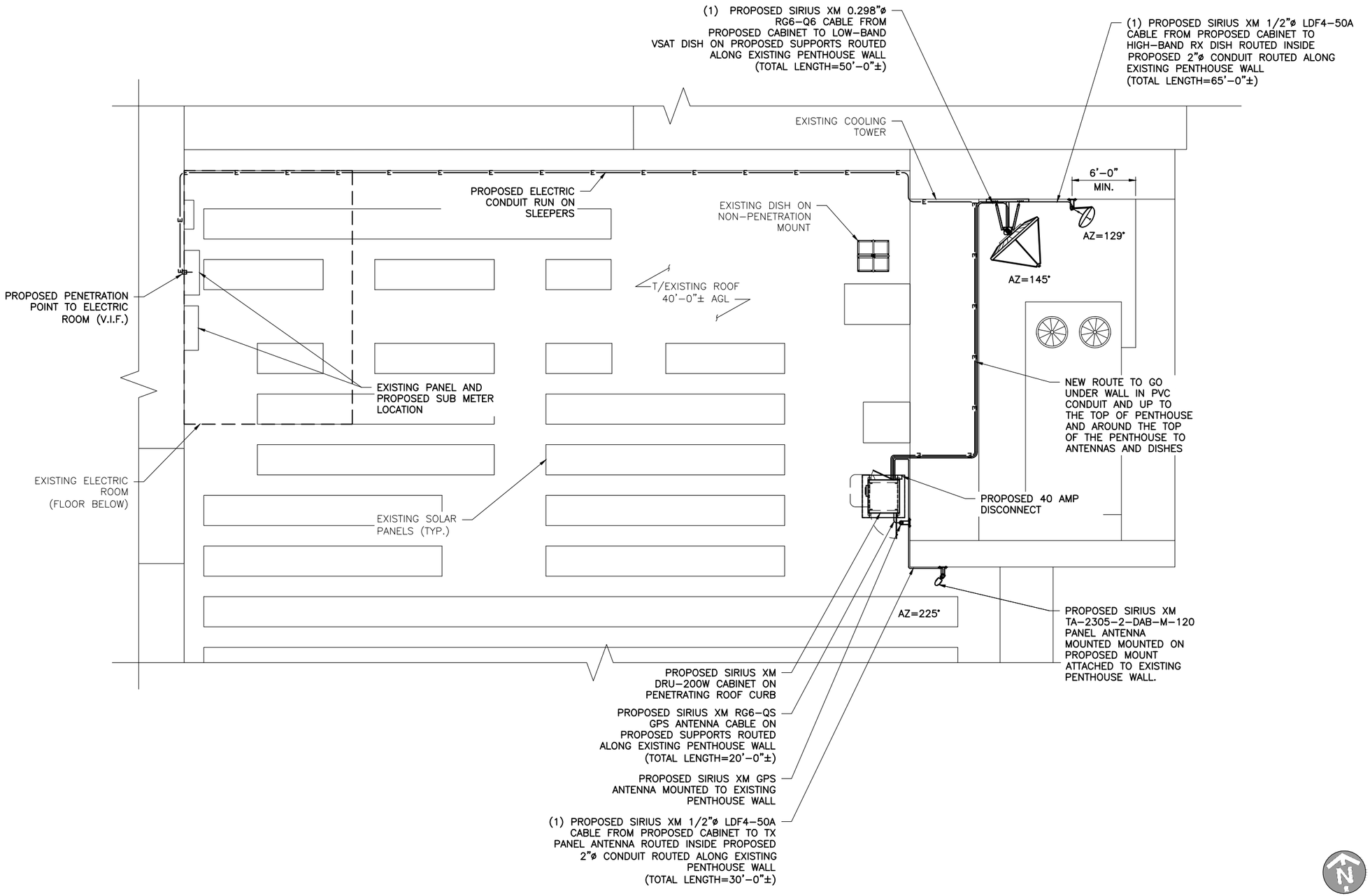
SHEET NAME
PROPOSED ENLARGED ROOF PLAN

SHEET NUMBER
C-1.2

2020.0030.0031



ENLARGED EQUIPMENT LAYOUT

SCALE 1" = 10'-0" | 1

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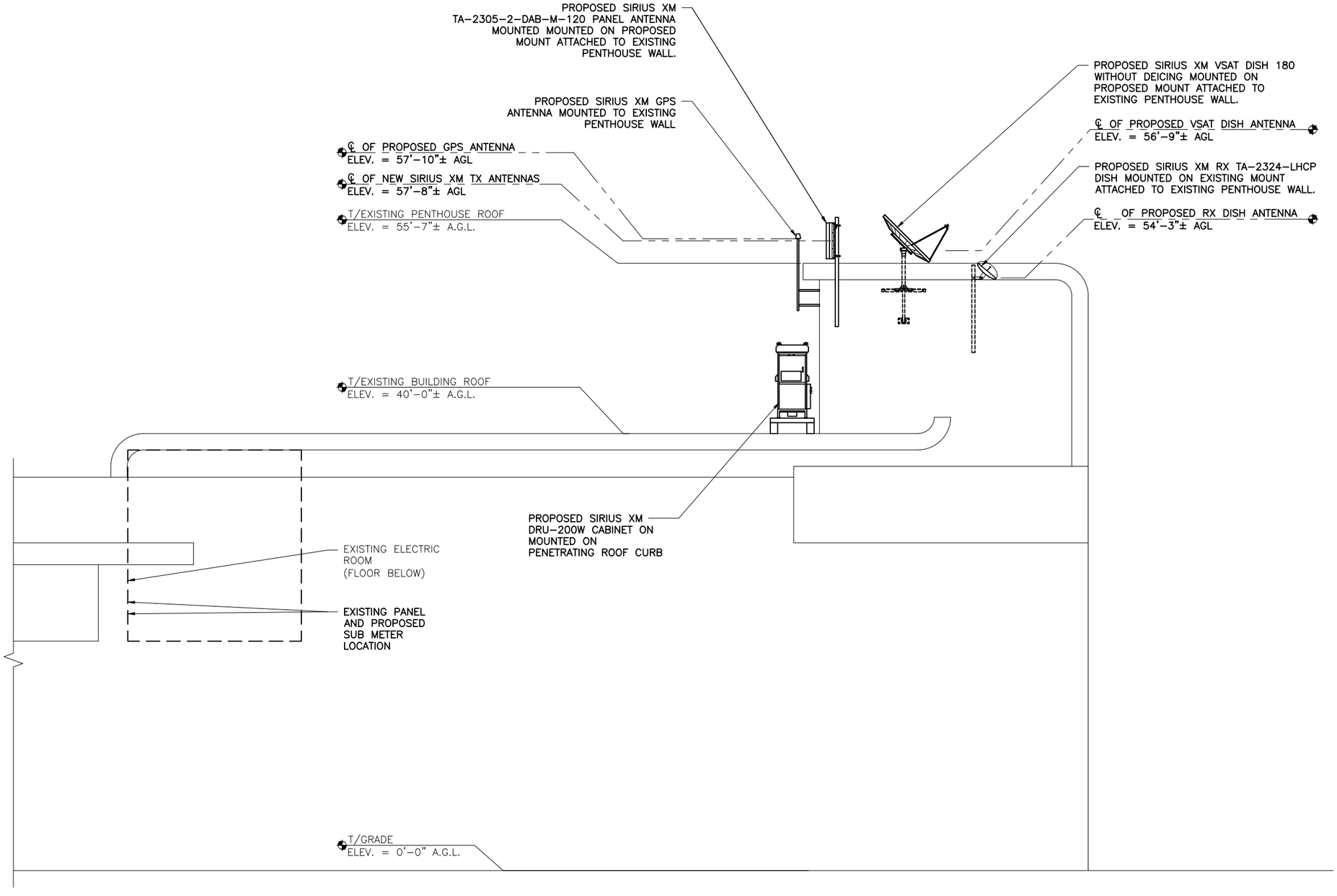
SHEET NAME
ENLARGED EQUIPMENT LAYOUT

SHEET NUMBER
C-2.0

2020.0030.0031



SOUTH ELEVATION

SCALE 1" = 10'-0" | 1

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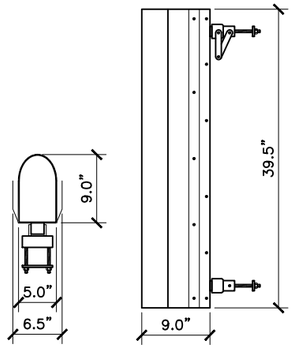
SHEET NAME
SITE ELEVATION

SHEET NUMBER
C-3

2020.0030.0031

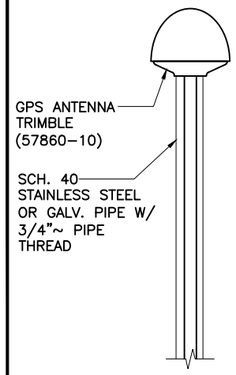


PLAN VIEW SIDE VIEW

TIL–TEK
TA–2305–2–DAB–M–120

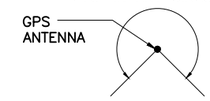
FREQUENCY RANGE	2305–2360 MHz
ANTENNA WITH CLAMPS	31 lb

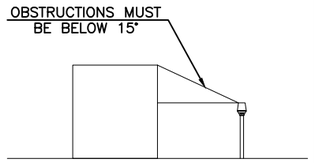
ANTENNA SPEC SCALE: N.T.S. 1



GPS MINIMUM SKY VIEW REQUIREMENTS

MINIMUM OF 75% OR
270° IN ANY DIRECTION



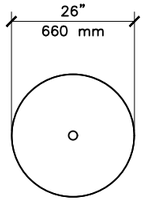


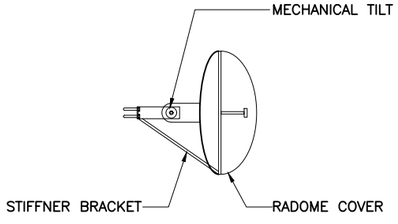
NOTES:

1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A 0.5" STD. GALV. STEEL OR STAINLESS STEEL PIPE WITH 3/4"~ PIPE THREAD AT ANTENNA MOUNT.
3. CONTRACTOR TO VERIFY THAT GPS MOUNT IS INSTALLED AND PLUMBED CORRECTLY
4. DO NOT SWEEP TEST GPS ANTENNA.

GPS SPEC SCALE: N.T.S. 2

NOT USED SCALE: N.T.S. 3

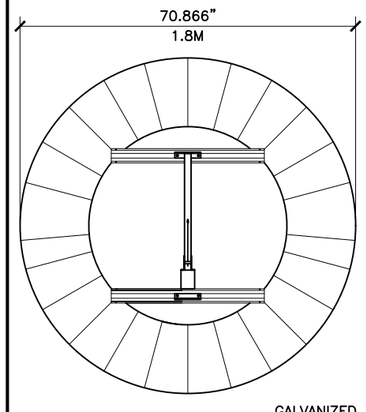


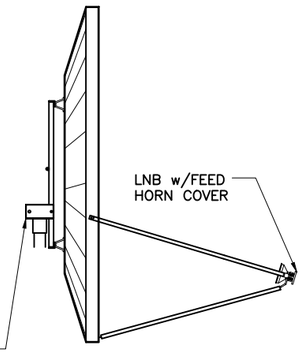


REAR VIEW SIDE VIEW

MANUFACTURER:	TIL–TEK
MODEL#:	TA–2324–LHCP
WEIGHT:	;26 LBS

RX DISH SPECS SCALE: N.T.S. 4



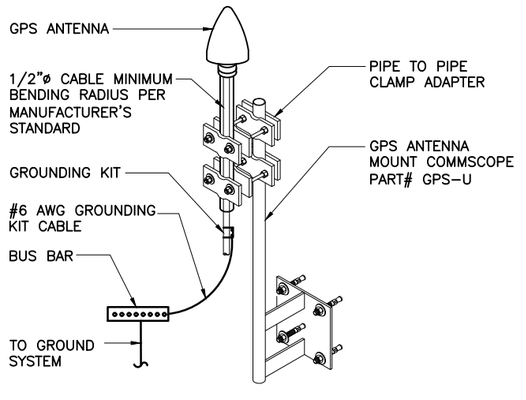


REAR VIEW SIDE VIEW

MANUFACTURER:	SKYWARE
MODEL#:	180
WEIGHT:	±160 LBS

VSAT DISH SPECS SCALE: N.T.S. 5

NOTE:
CONTRACTOR TO PLACE GPS ANTENNA SO EXPOSURE TO SKY IS UNOBSTRUCTED.



GPS MOUNTING DETAIL SCALE: N.T.S. 6

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TEL: 847-908-8400
www.FullertonEngineering.com

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APPROVED BY:	JP

#	DATE	DESCRIPTION	INT.
A	03/18/22	90% REVIEW	KK
B	03/22/22	95% REVIEW	KK
0	03/28/22	FINAL	KK

SITE NAME
TAUBE KORET CAMPUS

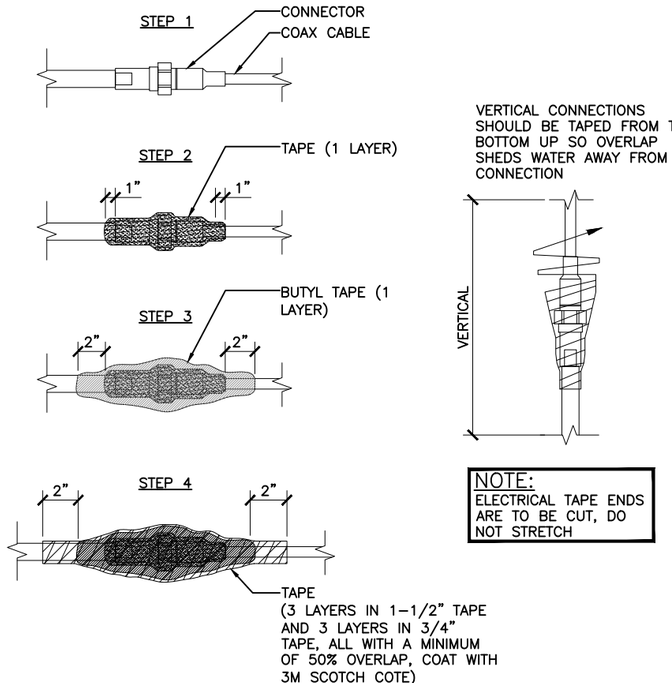
SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

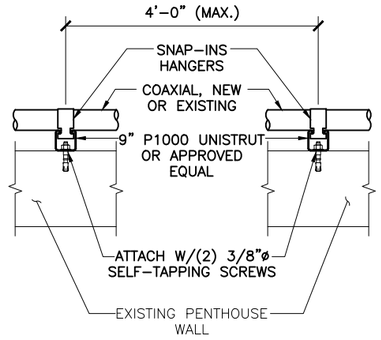
SHEET NAME
ANTENNA DETAILS

SHEET NUMBER
C-4

2020.0030.0031



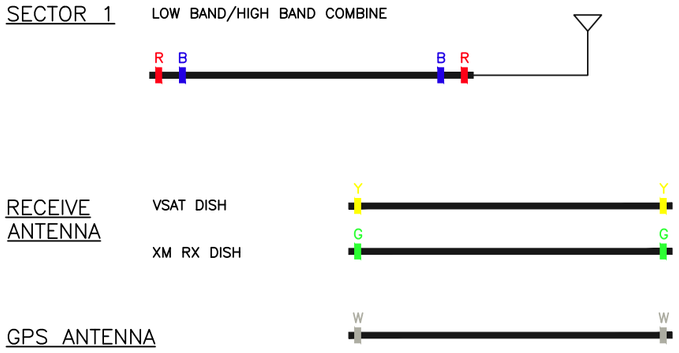
WEATHERPROOFING DETAIL SCALE: N.T.S. 1



TYPICAL CONDUIT SUPPORT @ PENTHOUSE WALL SCALE: N.T.S. 2

NOT USED SCALE: N.T.S. 3

1. COAX MAINLINE FOR TX & RX ANTENNAS WILL BE LABELED AT THE TOP AND BOTTOM WITHIN 12" OF THE CONNECTORS.
2. FOR COAX MAIN LINE CABLE CONNECTS TO A POWER SPLITTER, LABEL MUST ALSO BE PLACED ON THE JUMPER CABLE 12" FROM THE ANTENNA CONNECTOR.
3. ANY COAX MAKING A WALL PENETRATION WILL BE LABELED ON EACH SIDE OF THE PENETRATION.
4. LOW BAND DIVERSITY IS NOT INSTALLED IN ALL THE SITES, ONLY THE CORE SITE FOR THE MARKET.
5. ALL COLOR CODED TAPE SHOULD BE 1-1/2" IN WIDTH.
6. ANTENNA LINE COLORS WILL BE AS FOLLOWS:
   A. LB-RED (R)
   B. HB-BLUE (B)
   C. GPS-WHITE (W)
   D. VSAT-YELLOW (Y)
   E. RX DISH-GREEN (G)
   F. DIVERSITY-ORANGE (O)



TYPICAL COLOR CODING SCALE: N.T.S. 4

NOT USED SCALE: N.T.S. 5

NOT USED SCALE: N.T.S. 6

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www.FullertonEngineering.com

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APPROVED BY:	JP

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A	03/18/22	90% REVIEW	KK
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0	03/28/22	FINAL	KK

SITE NAME
TAUBE KORET CAMPUS

SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
SITE DETAILS

SHEET NUMBER
C-5

2020.0030.0031

NEW ANTENNA CONFIGURATION

ANTENNA								CABLE			
ANTENNA NUMBER	NEW OR EXISTING	ANTENNA MANUFACTURER	ANTENNA TYPE	MODEL NUMBER	AZIMUTH (TN)	TILT (+ OR −)	℄ OF ANTENNA FROM GROUND LEVEL (FT)	NEW OR EXISTING	CABLE TYPE	CABLE SIZE (DIA. IN)	CABLE LENGTH (FT)
1	NEW	TIL-TEK	PANEL	TA-2305-2-DAB-M-120	225°	0°	57'-8"	NEW	LDF4-50A	0.5"	35'
2	NEW	SKYWARE	VSAT DISH	180 W/O DEICING	145°	+40°	56'-9"	NEW	RG6-QS	0.298"	50'
3	NEW	TIL-TEK	RX DISH	TA-2324-LHCP	129°	+32°	54'-3"	NEW	LDF4-50A	0.5"	65'
4	NEW	TRIMBLE	GPS	57860-10	N/A	N/A	57'-10"	NEW	RG6-QS	0.298"	20'

NEW EQUIPMENT SCHEDULE

CABINET NUMBER	CABINET MANUFACTURER	CABINET TYPE	MODEL NUMBER	NOTES
1	UBS	REPEATER	DRU-200W	PROPOSED

NEW POWER SCHEDULE

AMPERE	VOLTAGE	PHASE	NOTES
40 AMPS	120/208V	SINGLE	DISTRIBUTION PANEL SUBMETERED TO AN EMON DMON LOCATED IN ELECTRIC ROOM

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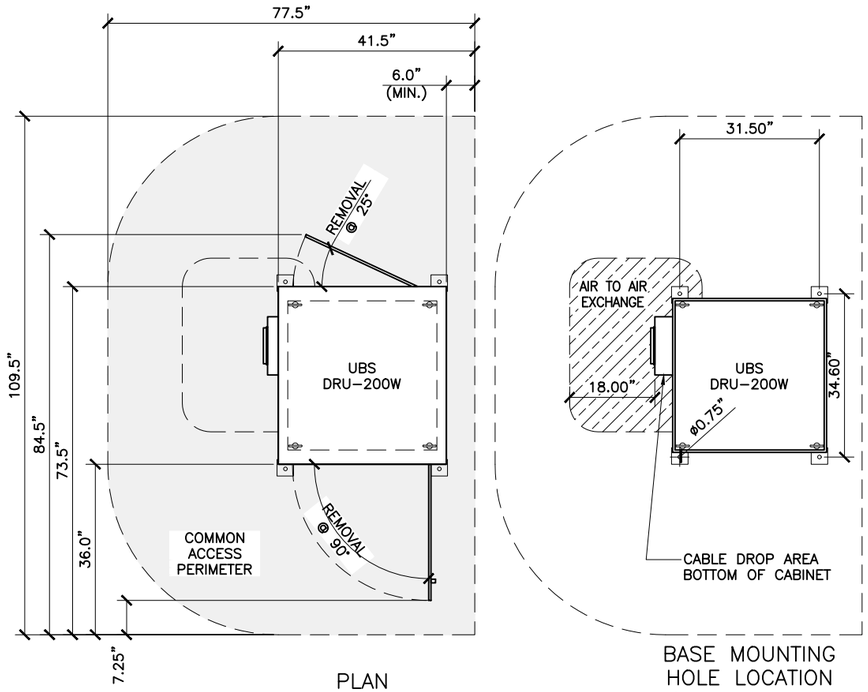
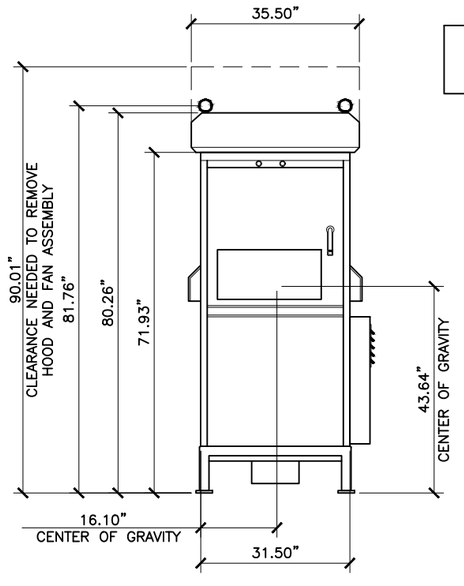
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
ANTENNA SCHEDULES

SHEET NUMBER
C-6





CABINET INSTALLATION
WEIGHT: 817 LBS.

UBS DRU–200W CABINET DETAIL

SCALE: 3/8" = 1'–0" | 1

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3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
EQUIPMENT SPECS

SHEET NUMBER
C-7

2020.0030.0031

SERVICE EQUIPMENT NOTES:

1. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS
2. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK

CONDUCTOR NOTES:

1. ALL CONDUCTORS SHALL BE COPPER
2. ALL WIRING SHALL BE COPPER WITH THHN/THWN DUAL RATED 600 VOLTS INSULATION
3. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER UNLESS OTHERWISE NOTED

CONDUIT NOTES:

1. SCH 80 PVC CONDUIT SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH EARTH, OR EXPOSED ABOVE GRADE
2. EMT SHALL BE USED ONLY FOR INTERIOR RUNS AND SHALL HAVE COMPRESSION TYPE FITTINGS
3. SEAL TIGHT, FLEXIBLE CONDUIT MAY BE USED WHERE CODE PERMITS. ALL CONDUIT SHALL HAVE FULL SIZE EQUIPMENT GROUND WIRE
4. SERVICE CONDUITS SHALL HAVE NO MORE THAN (3) – 90° BENDS IN ANY SINGLE RUN. THE CONTRACTOR SHALL PROVIDE PULL BOXES AS NEEDED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDITIONS
5. ALL CABLES, POWER AND/OR TELEPHONE AND/OR FIBER SYSTEM CONDUITS SHALL HAVE A MINIMUM 24" RADIUS SWEEPS TO EQUIPMENT, PULL BOXES, ETC., UNLESS OTHERWISE NOTED, OR AS REQUIRED BY UTILITY COMPANIES

NEW CABLE GROUNDING NOTES:

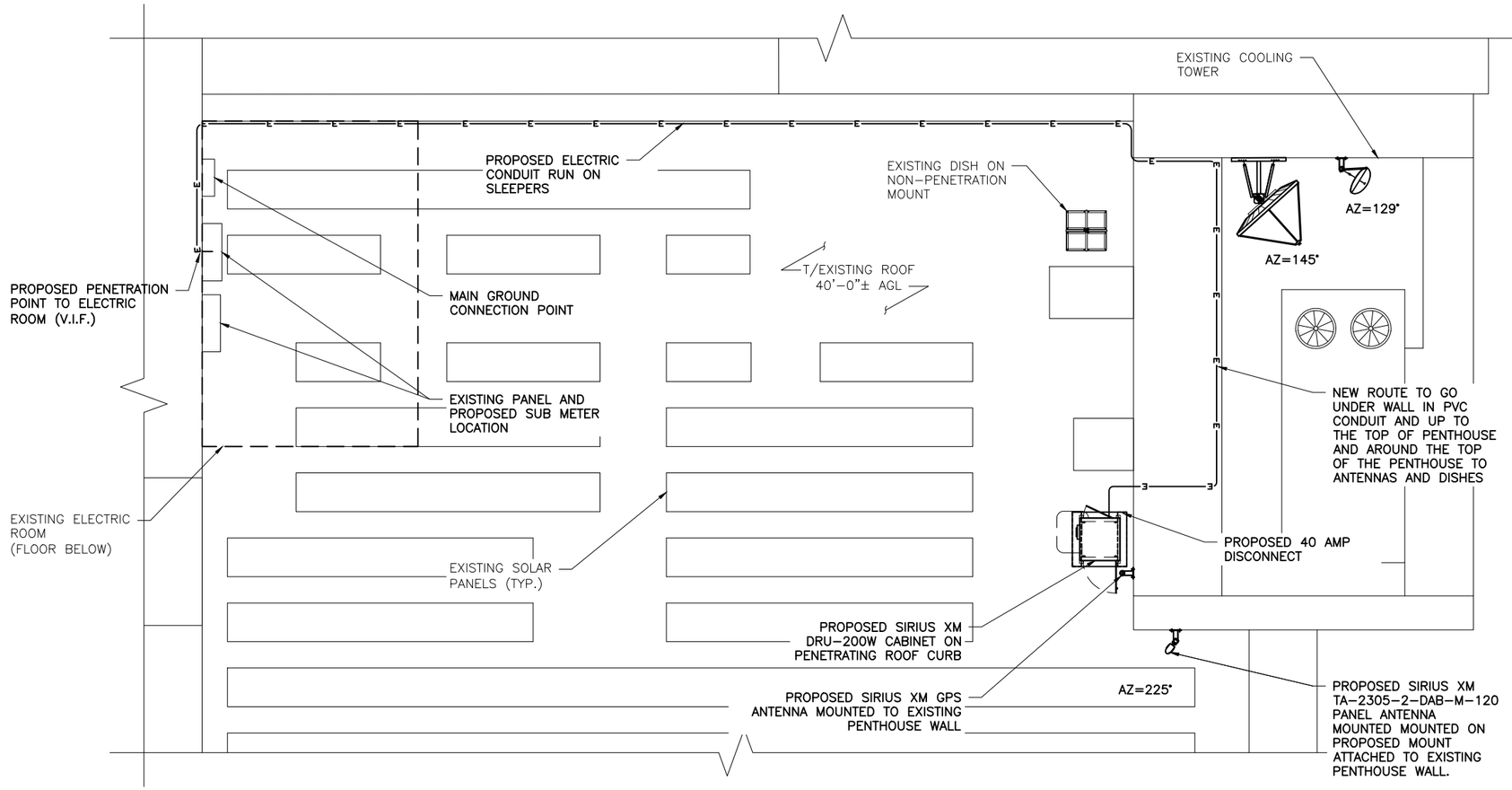
1. AVOID DISRUPTION OF EXISTING GROUNDING SYSTEM. REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER
2. CONTRACTOR SHALL CONNECT GROUND KITS TO THE EXISTING GROUND BARS AT THE TOP AND BASE OF TOWER
3. CONTRACTOR SHALL CONNECT GROUND KITS TO THE NEW GROUND BAR BEFORE ENTRY TO CABINET
4. NO BACK TO BACK LUGGING OF GROUNDS

GENERAL GROUNDING NOTES:

1. VERTICAL DROPS SHALL BE 20'–0" OF #2 AWG SOLID TINNED COPPER WIRE. CADWELD TO GROUND BAR
2. ALL BENDS MINIMUM 8" RADIUS
3. APPLY ANTI–OXIDATION COMPOUND TO ALL CONNECTIONS
4. BARE COPPER CONDUCTORS SHALL NOT BE IN CONTACT WITH ANY DISSIMILAR MATERIAL. PLACE ON STANDOFFS, IF NECESSARY TO ALLOW FOR PROPER INSTALLATION
5. SHARP BENDS IN GROUNDING CONDUCTORS SHALL BE AVOIDED. 90° BENDS SHALL NOT BE USED
6. ALL GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AS POSSIBLE. THE SHORTEST PRACTICAL ROUTE SHALL BE CHOSEN WITH THE LEAST AMOUNT OF BENDS AND SPLICES. USE THIS RULE AT ALL TIMES
7. ALL CONNECTIONS TO GROUND BARS SHALL BE WITH A 2–HOLE LUG UNLESS OTHERWISE SPECIFIED
8. WHEN GROUNDING MORE THAN ONE PIECE OF EQUIPMENT, DO NOT USE THE EQUIPMENT AS A GROUNDING CONDUCTOR. DOUBLE–STACKING OF LUGS SHALL BE USED TO GET FROM EQUIPMENT TO EQUIPMENT
9. REMOVE ALL PAINT BENEATH THE SURFACE OF GROUND LUGS

ELECTRICAL NOTES

SCALE: N.T.S. | 1



NOT USED

SCALE 1" = 10'–0" | 2

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APPROVED BY:	JP

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TAUBE KORET CAMPUS

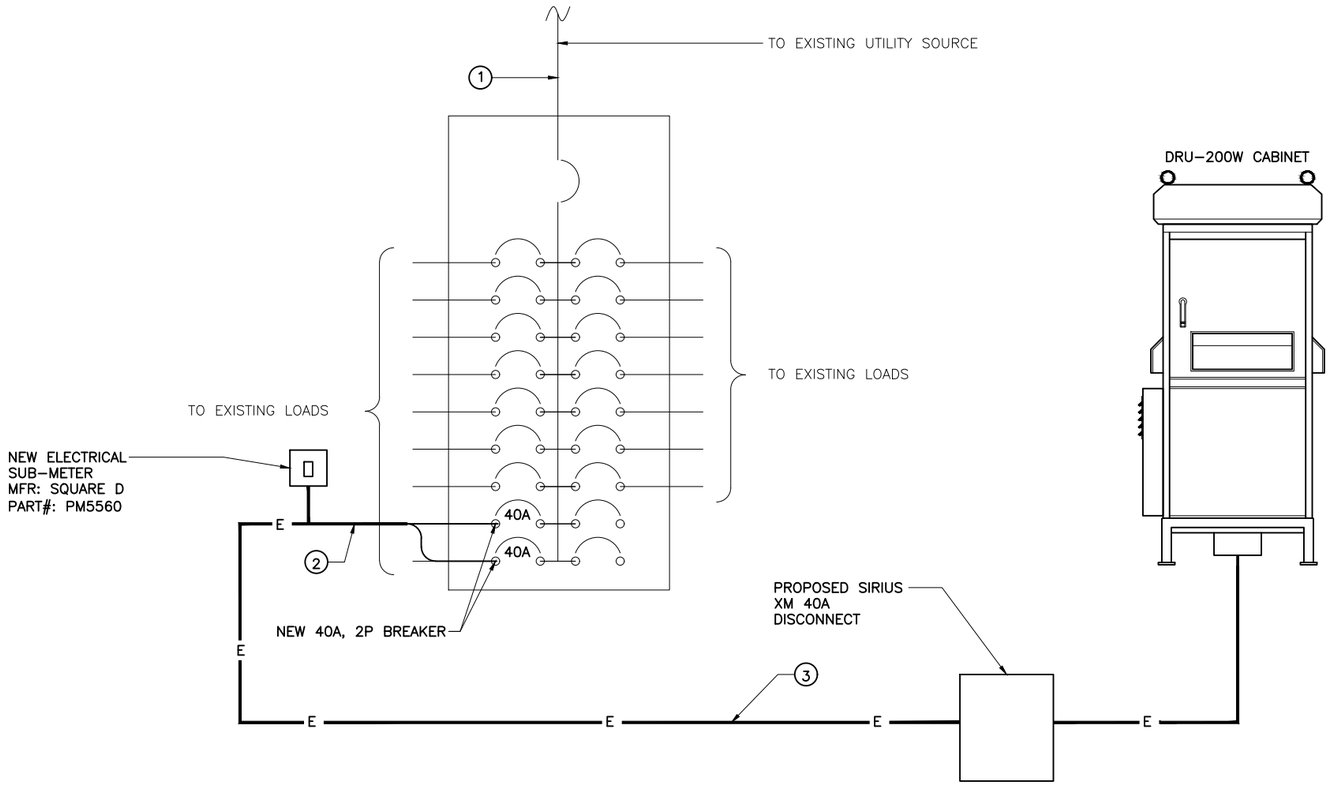
SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
ENLARGED UTILITY PLANS

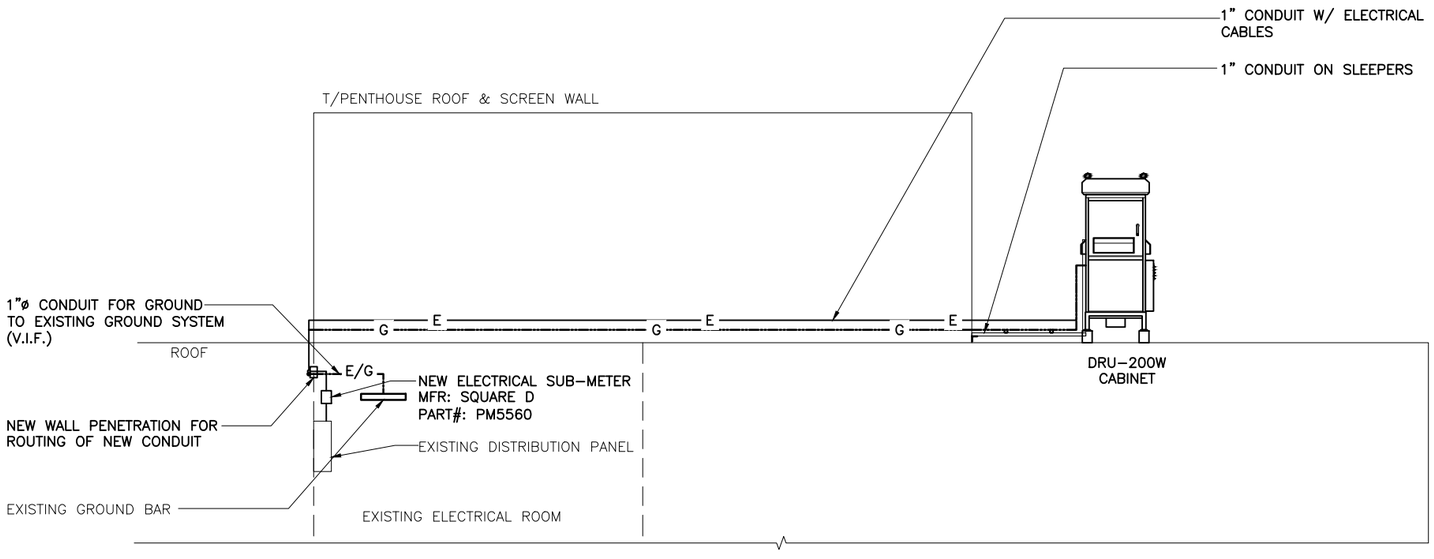
SHEET NUMBER
E-1

2020.0030.0031



CIRCUIT SCHEDULE			
NO	FROM	TO	CONFIGURATION
1	UTILITY SOURCE	LOAD CENTER	EXISTING
2	LOAD CENTER	SUB=METER	BRANCH CIRCUIT W/(3) #10 AWG AND (1) #10 AWG FOR GND (75° RATED) IN 3/4" MIN. CONDUIT
3	SUB-METER	DRU-200W	BRANCH CIRCUIT W/(3) #10 AWG AND (1) #10 AWG FOR GND (75° RATED) IN 3/4" MIN. CONDUIT

SINGLE LINE DIAGRAM — SCALE: N.T.S. — 1



UTILITY RISER DIAGRAM — SCALE: N.T.S. — 2

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SITE NAME
TAUBE KORET CAMPUS

SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
FINAL SINGLE LINE DIAGRAMS

SHEET NUMBER
E-2

2020.0030.0031

CONDUCTOR NOTES:

1. ALL CONDUCTORS SHALL BE COPPER
2. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER UNLESS OTHERWISE NOTED.

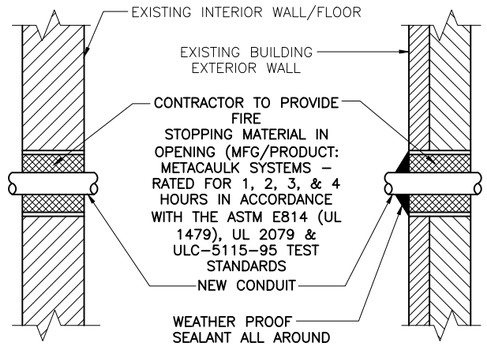
NEW CABLE GROUNDING NOTES:

1. AVOID DISRUPTION OF EXISTING GROUNDING SYSTEM. REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER
2. CONTRACTOR SHALL CONNECT GROUND KITS TO THE EXISTING GROUND BARS AT THE TOP AND BASE OF TOWER
3. CONTRACTOR SHALL CONNECT GROUND KITS TO THE NEW GROUND BAR BEFORE ENTRY TO CABINET
4. NO BACK TO BACK LUGGING OF GROUNDS

GENERAL GROUNDING NOTES:

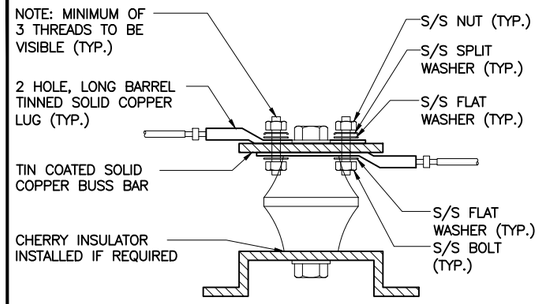
1. VERTICAL DROPS SHALL BE 20'-0" OF #2 AWG SOLID TINNED COPPER WIRE. CADWELD TO GROUND BAR.
2. ALL BENDS MINIMUM 8" RADIUS.
3. APPLY ANTI-OXIDATION COMPOUND TO ALL CONNECTIONS.
4. BARE COPPER CONDUCTORS SHALL NOT BE IN CONTACT WITH ANY DISSIMILIAR MATERIAL. PLACE ON STANDOFFS, IF NECESSARY TO ALLOW FOR PROPER INSTALLATION.
5. SHARP BENDS IN GROUNDING CONDUCTORS SHALL BE AVOIDED. 90° BENDS SHALL NOT BE USED.
6. ALL GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AS POSSIBLE. THE SHORTEST PRACTICAL ROUTE SHALL BE CHOSEN WITH THE LEAST AMOUNT OF BENDS AND SPLICES. USE THIS RULE AT ALL TIMES.
7. ALL CONNECTIONS TO GROUND BARS SHALL BE WITH A 2-HOLE LUG UNLESS OTHERWISE SPECIFIED.
8. WHEN GROUNDING MORE THAN ONE PIECE OF EQUIPMENT, DO NOT USE THE EQUIPMENT AS A GROUNDING CONDUCTOR. DOUBLE-STACKING OF LUGS SHALL BE USED TO GET FROM EQUIPMENT TO EQUIPMENT.
9. REMOVE ALL PAINT BENEATH THE SURFACE OF GROUND LUGS
10. GROUND SYSTEM TO BE TESTED TO 5 OHMS OR LESS

NOTES — SCALE: N.T.S. — 1



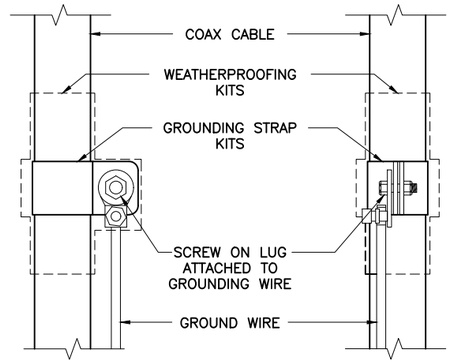
NOTE:
WHEN CORING INTO EXISTING WALL / FLOOR, CONTRACTOR TO REPAIR ALL OPENING TO EXISTING CONDITION, AND MAINTAIN ALL EXISTING FIRE RATINGS.

WALL PENETRATION — SCALE: N.T.S. — 2



NOTES:
1. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING SPLIT WASHERS.
2. COAT WIRE END WITH ANTI-OXIDATION COMPOUND PRIOR TO INSERTION INTO LUG BARREL AND CRIMPING.
3. APPLY ANTI-OXIDATION COMPOUND BETWEEN ALL LUGS AND BUSS BARS PRIOR TO MATING AND BOLTING.

GROUND LUG DETAIL — SCALE: N.T.S. — 3



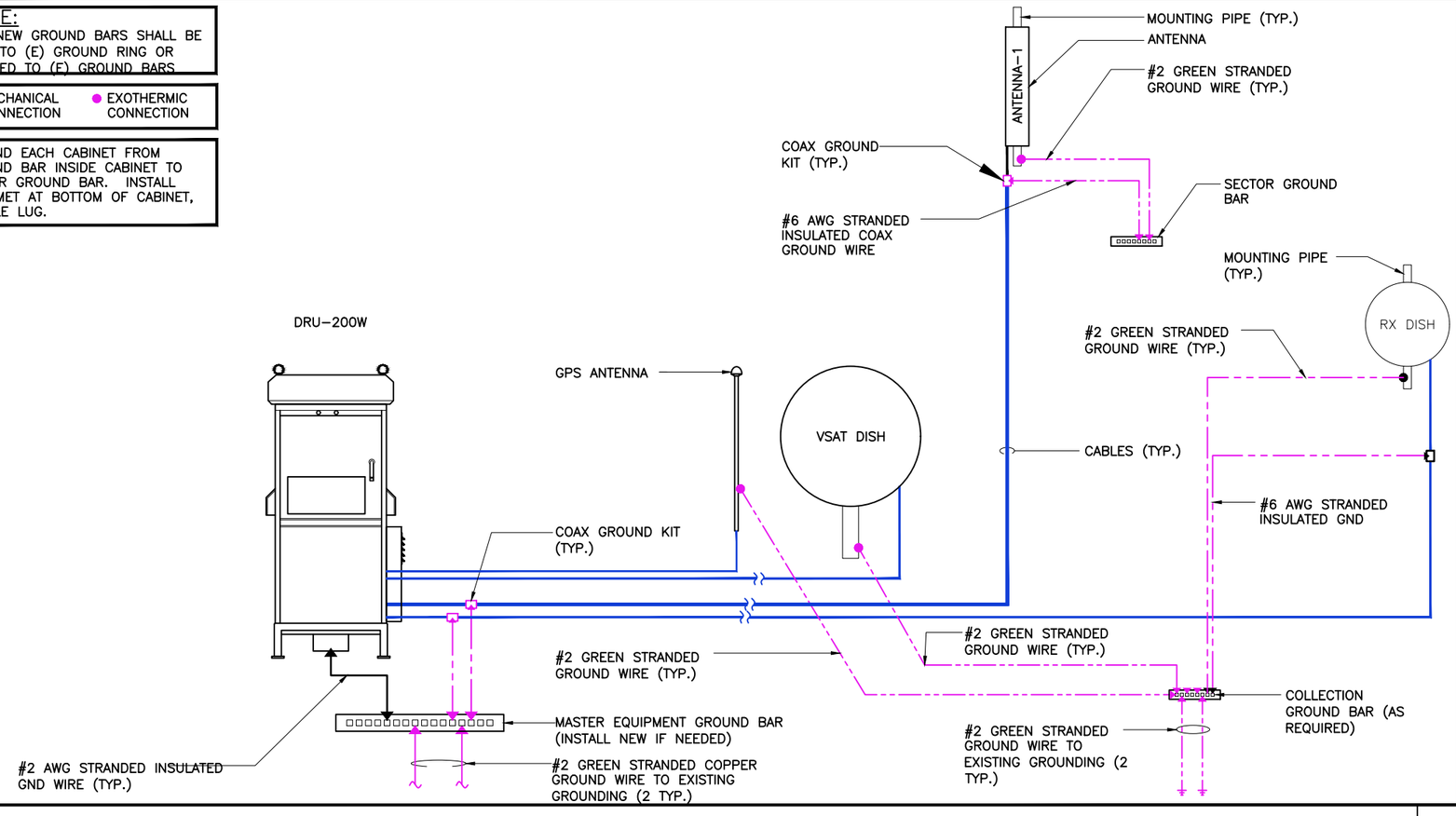
NOTES:
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- THIS DETAILS IS TYPICAL FOR EACH CABLE WHERE IT IS SPECIFIED TO BE GROUNDED

COAX GROUND KIT — SCALE: N.T.S. — 4

NOTE:
ALL NEW GROUND BARS SHALL BE TIED TO (E) GROUND RING OR BONDED TO (E) GROUND BARS

▲ MECHANICAL CONNECTION ● EXOTHERMIC CONNECTION

GROUND EACH CABINET FROM GROUND BAR INSIDE CABINET TO MASTER GROUND BAR. INSTALL GROMMET AT BOTTOM OF CABINET, 2 HOLE LUG.



FINAL SINGLE LINE GROUNDING DIAGRAM — SCALE: N.T.S. — 5

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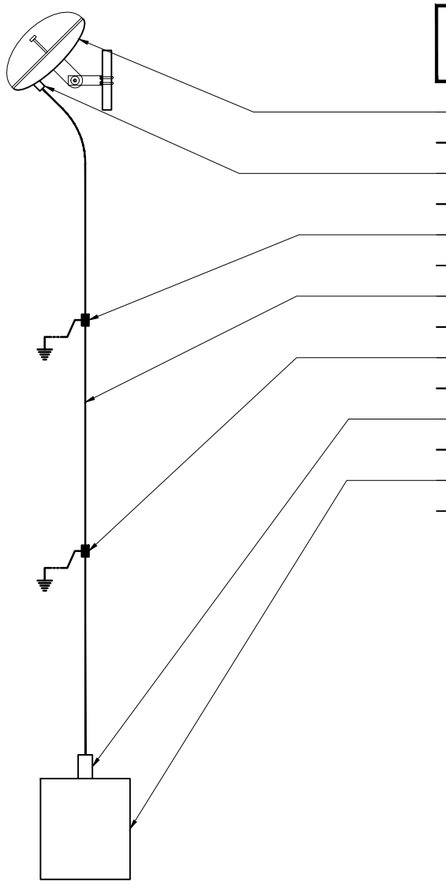
SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
GROUNDING DETAILS AND NOTES

SHEET NUMBER
E-3

2020.0030.0031



ITEM #	DESCRIPTION	SIZE	QUANTITY	LENGTH	MANUFACTURER	PART NUMBER	REMARKS	PROVIDED BY
1	HB RX DISH (2320–2345 MHz)	25.25"	1 NEW	N/A	TIL–TEK	TA–2324–LHCP	CIRCULAR POLARIZED SOLID PARABOLIC DISH ANTENNA	SIRIUS XM
2	7–16 DIN MALE CONNECTOR	N/A	1 NEW	N/A	COMMSCOPE	L4TDM–PSA	ATTACH TO CABLE PRIOR TO INSTALLATION	VENDOR
3	GROUNDING KIT	N/A	1 NEW	N/A	COMMSCOPE	SG12–06B2A	INCLUDES 59" #6 GROUND WIRE, INSTALL 1 KIT EVERY 100 FT. MIN.	VENDOR
4	COAXIAL CABLE	1/2"	1 NEW	65'	COMMSCOPE	LDF4–50	MINIMUM BEND RADIUS PER MANUFACTURER SPECS	VENDOR
5	GROUNDING KIT	1/2"	1 NEW	N/A	COMMSCOPE	SG12–06B2A	INCLUDES 59" #6 GROUND WIRE, INSTALL 1 KIT EVERY 100 FT. MIN.	VENDOR
6	N MALE CONNECTOR	N/A	1 NEW	N/A	COMMSCOPE	L4TNM–PSA	–	VENDOR
7	CABINET	N/A	1 NEW	N/A	UBS	DRU–200W	–	SIRIUS XM

RX ANTENNA CONFIGURATION

SCALE: N.T.S. | 1

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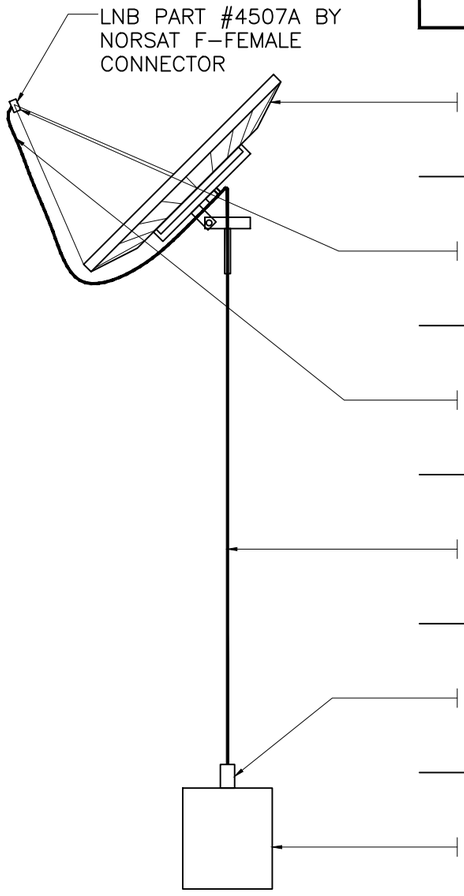
PALO ALTO, CA 94303

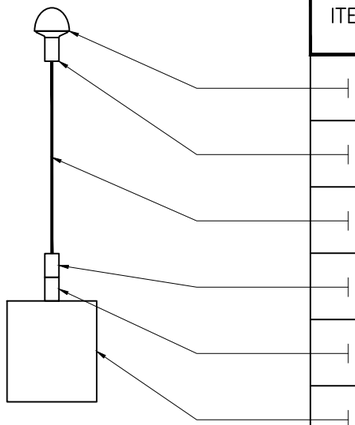
SHEET NAME
SITE CONFIGURATIONS MATERIAL LIST

SHEET NUMBER
E-4



ITEM #	DESCRIPTION	SIZE	QUANTITY	LENGTH	MANUFACTURER	PART NUMBER	REMARKS	PROVIDED BY
1	VSAT DISH	1.8M	1 NEW	N/A	SKYWARE	180 W/O DEICING	SKYWARE VSAT DISH ANTENNA	VENDOR
2	LNB	N/A	1 NEW	N/A	NORSAT	4507A	–	VENDOR
3	F-MALE CONNECTOR	N/A	1 NEW	N/A	THOMAS AND BETTS	SNS1P6QS	–	VENDOR
4	COAX CABLE	0.298"	1 NEW	50'	BELDEN	RG6-SQ	–	VENDOR
5	F-MALE CONNECTOR	N/A	1 NEW	N/A	THOMAS AND BETTS	SNS1P6QS	–	VENDOR
6	CABINET	N/A	1 NEW	N/A	UBS	DRU-200W	–	SIRIUS XM

VSAT ANTENNA CONFIGURATION — SCALE: N.T.S. — 1



ITEM #	DESCRIPTION	SIZE	QUANTITY	LENGTH	MANUFACTURER	PART NUMBER	REMARKS	PROVIDED BY
1	GPS ANTENNA	N/A	1 NEW	N/A	TRIMBLE	57860-10	–	SIRIUS XM
2	F CONNECTOR	N/A	1 NEW	N/A	THOMAS AND BETTS	SNS1P6QS	–	VENDOR
3	COAX CABLE	0.298"	1 NEW	20'	BELDEN	RG6-SQ	–	VENDOR
4	F CONNECTOR	N/A	1 NEW	N/A	THOMAS AND BETTS	SNS1P6QS	–	VENDOR
5	F TO N CONNECTOR	N/A	1 NEW	N/A	EMERSON	26-8020	–	SIRIUS XM
6	CABINET	N/A	1 NEW	N/A	UBS	DRU-200W	–	SIRIUS XM

GPS ANTENNA CONFIGURATION — SCALE: N.T.S. — 2

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APPROVED BY:	JP

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B	03/22/22	95% REVIEW	KK
0	03/28/22	FINAL	KK

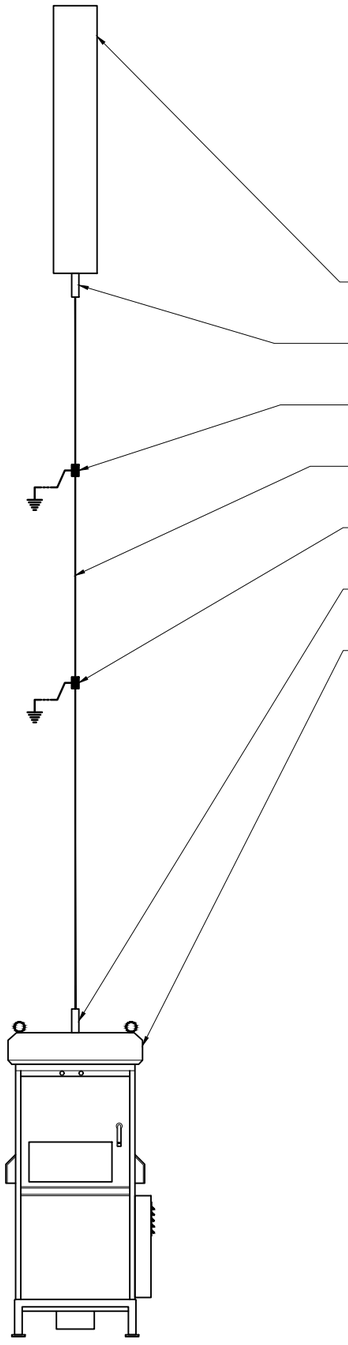
SITE NAME
TAUBE KORET CAMPUS

SITE I.D.
SFX631B

SITE ADDRESS
3921 FABIAN WAY
PALO ALTO, CA 94303

SHEET NAME
SITE CONFIGURATIONS MATERIAL LIST

SHEET NUMBER
E-5



ITEM #	DESCRIPTION	SIZE	QUANTITY	LENGTH	MANUFACTURER	PART NUMBER	REMARKS	PROVIDED BY
1	TRANSMIT ANTENNA	N/A	1 NEW	N/A	TIL-TEK	TA-2305-2-DAB-M-120	–	SIRIUS XM
2	7-16 DIN MALE	N/A	1 NEW	N/A	COMMSCOPE	L4TDM-PSA	ATTACH TO CABLE PRIOR TO INSTALLATION	VENDOR
7	GROUNDING KIT	N/A	1 NEW	N/A	COMMSCOPE	SG12-06B2A	INCLUDES 59" #6 GROUND WIRE, INSTALL 1 KIT EVERY 100 FT. MIN.	VENDOR
8	COAXIAL CABLE	1/2"	1 NEW	35'	COMMSCOPE	LDF4-50	MINIMUM BEND RADIUS PER MANUFACTURER SPECS	VENDOR
9	GROUNDING KIT	N/A	1 NEW	N/A	COMMSCOPE	SG12-06B2A	INCLUDES 59" #6 GROUND WIRE, INSTALL 1 KIT EVERY 100 FT. MIN.	VENDOR
14	7/8" EIA CONNECTOR	N/A	1 NEW	N/A	COMMSCOPE	L4E78-PS	ATTACH TO CABLE PRIOR TO INSTALLATION	VENDOR
15	CABINET	N/A	1 NEW	N/A	UBS	DRU-200W	–	SIRIUS XM

FINAL ANTENNA CONFIGURATION

SCALE: N.T.S.

1

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SHEET NUMBER
E-6

STRUCTURAL NOTES:

2019 CALIFORNIA BUILDING CODE
ACI 318-14 BUILDING CODE REQUIREMENT FOR STRUCTURAL CONCRETE
ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS

DESIGN CRITERIA:

DEAD LOADS: SEE PLANS FOR EQUIPMENT WEIGHT

ASCE 7-16 DESIGN CATEGORIES

RISK CATEGORY IV

WIND LOAD 92 MPH (BASIC DESIGN WIND SPEED)
RISK CATEGORY II

SEISMIC DESIGN CRITERIA

Ss = 1.538 Sds = 1.23 Fa = 1.2
S1 = 0.60 Sd1 = 0.68 Fv = 1.7
Sms = 1.845 Sm1 = 1.02 TL = 12 sec
SOIL SITE CLASS D - DEFAULT (ASSUMED)
SEISMIC IMPORTANCE FACTOR 1.0
SEISMIC DESIGN CATEGORY D

SEISMIC DEMAND NON STRUCTURAL COMPONENTS (ASCE 13.3)
ap = 2.5
Rp = 6.0
Ip = 1.5
Wp = SEE PLANS
z/h = 1.0
omega sub 0 = 2.0 (OVERSTRENGTH FACTOR)

MANDATORY SUBMITALS AND INSPECTIONS:

POST- INSTALLED ANCHORS IN CONCRETE (CBC 1901.3.4)

STEEL BOLTING

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL LAWS, REGULATIONS, AND RULES SET FORTH BY FEDERAL, STATE, AND LOCAL AUTHORITIES WITH JURISDICTION OVER THE PROJECT. THIS RESPONSIBILITY IS IN EFFECT REGARDLESS OF WHETHER THE LAW, ORDINANCE, REGULATION OR RULE IS MENTIONED IN THESE SPECIFICATIONS.
2. ALL WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS, PROJECT SPECIFICATIONS, AND THE CONSTRUCTION CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL HAVE AND MAINTAIN A VALID CONTRACTOR'S LICENSE FOR THE LOCATION IN WHICH THE WORK IS TO BE PERFORMED. FOR JURISDICTIONS THAT LICENSE INDIVIDUAL TRADES, THE TRADESMAN OR SUBCONTRACTOR PERFORMING THOSE TRADES SHALL BE LICENSED.
4. FOLLOW ALL APPLICABLE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND STATE LAW AS DEFINED IN THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT.
5. PRIOR TO THE SUBMISSION OF THE BID, THE CONTRACTOR SHALL VISIT THE JOB SITE, VERIFY ALL DIMENSIONS AND BECOME FAMILIAR WITH THE FIELD CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
6. DRAWING PLANS SHALL NOT BE SCALED.
7. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK NOT CLEARLY IDENTIFIED ON THE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE PROJECT MANAGER.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE NOTED.
9. ALL MEANS AND METHODS OF CONSTRUCTION DEALING WITH TOWER CONSTRUCTION AND SAFETY, STEEL ERECTION, EXCAVATIONS, TRENCHING, SCAFFOLDING, FORMWORK, ELECTRICAL, AND WORK IN CONFINED SPACES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
11. THE CONTRACTOR SHALL BE EXPERIENCED IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY AND THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED.
12. THE CONTRACTOR SHALL PROVIDE SUFFICIENT TEMPORARY BRACING AND/OR SHORING OF ALL STRUCTURAL AND NON-STRUCTURAL ELEMENTS DURING CONSTRUCTION UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN PROPERLY INSTALLED.
13. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS SHALL BE REPORTED TO THE PROJECT MANAGER AND ENGINEER, AND SHALL REQUIRE APPROVAL PRIOR TO PERFORMING ANY REMEDIAL OR CORRECTIVE ACTION.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MATERIALS CONFORM TO THE LATEST EDITION OF APPLICABLE STANDARDS AND TO ALL APPLICABLE CODES AND REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE REQUIREMENTS OF AISC, ASTM, ACI, CRSI, AWS AND ALL OTHER APPLICABLE STANDARDS
2. ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 UNLESS NOTED ON THE CONSTRUCTION DRAWINGS.
3. ROLLED STEEL SHAPES, PLATES AND BARS SHALL BE NO LESS THAN 3/16 INCHES IN THICKNESS AND SHALL COMPLY WITH ASTM A-36 AS A MINIMUM.
4. STEEL PIPE SHALL COMPLY WITH ASTM A-501 OR ASTM A-53, TYPE E OR S, GRADE B. A-500 GRADE B STEEL MAY BE SUBSTITUTED.
5. GALVANIZED STEEL GRATING SHALL BE A MINIMUM 1-1/4 INCH X 1/8 INCH AT 3/16 INCHES ON CENTER.
6. COLD FORMED CHANNELS, C'S AND Z'S USED AS GIRTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD A607 GRADE 50.
7. CONNECTIONS:
   A. CONTRACTOR SHALL PROVIDE ALL HARDWARE REQUIRED TO COMPLETE FIELD ERECTION OF STRUCTURE AS INDICATED BY CONTRACT DOCUMENTS OR THESE SPECIFICATIONS.
   B. HIGH STRENGTH THREADED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 BOLTS. USE A-325N BEARING-TYPE CONNECTION BOLTS UNLESS NOTED OTHERWISE.
   C. GRATING AND PLATES SHALL BE FASTENED WITH SADDLE CLIPS. THE NECESSARY HOLES TO COMPLETE ALL PHASES OF CONSTRUCTION SHALL BE PROVIDED AND CALLED OUT ON THE APPROVED SHOP DRAWINGS. ALL HOLES SHALL BE DRILLED OR PUNCHED PERPENDICULAR TO METAL SURFACES, FLAME CUT OR BURNED HOLES WILL NOT BE PERMITTED.
   D. ALL UNFINISHED THREADED FASTENERS SHALL COMPLY WITH ASTM A-307, GRADE A, REGULAR LOW-CARBON STEEL BOLTS AND NUTS WITH HEXAGONAL HEADS.
   E. ALL HIGH STRENGTH THREADED FASTENERS SHALL BE HEAVY HEXAGONAL BOLTS AND NUTS WITH HARDENED WASHERS, ALL FROM QUENCHED AND TEMPERED MEDIUM CARBON STEEL COMPLYING WITH ASTM A-325.

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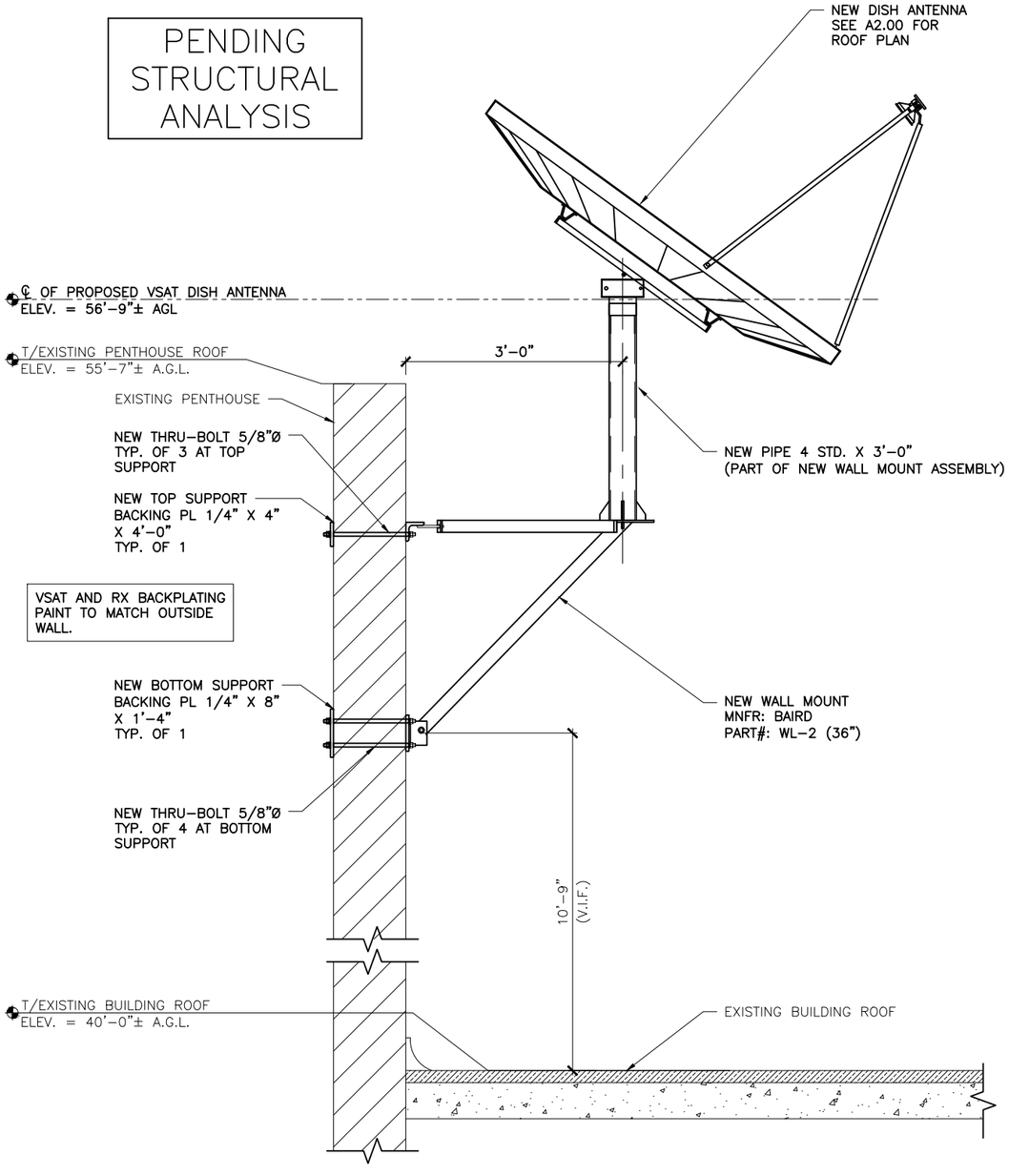
PALO ALTO, CA 94303

SHEET NAME
STRUCTURAL NOTES

SHEET NUMBER
S-1

PENDING STRUCTURAL ANALYSIS

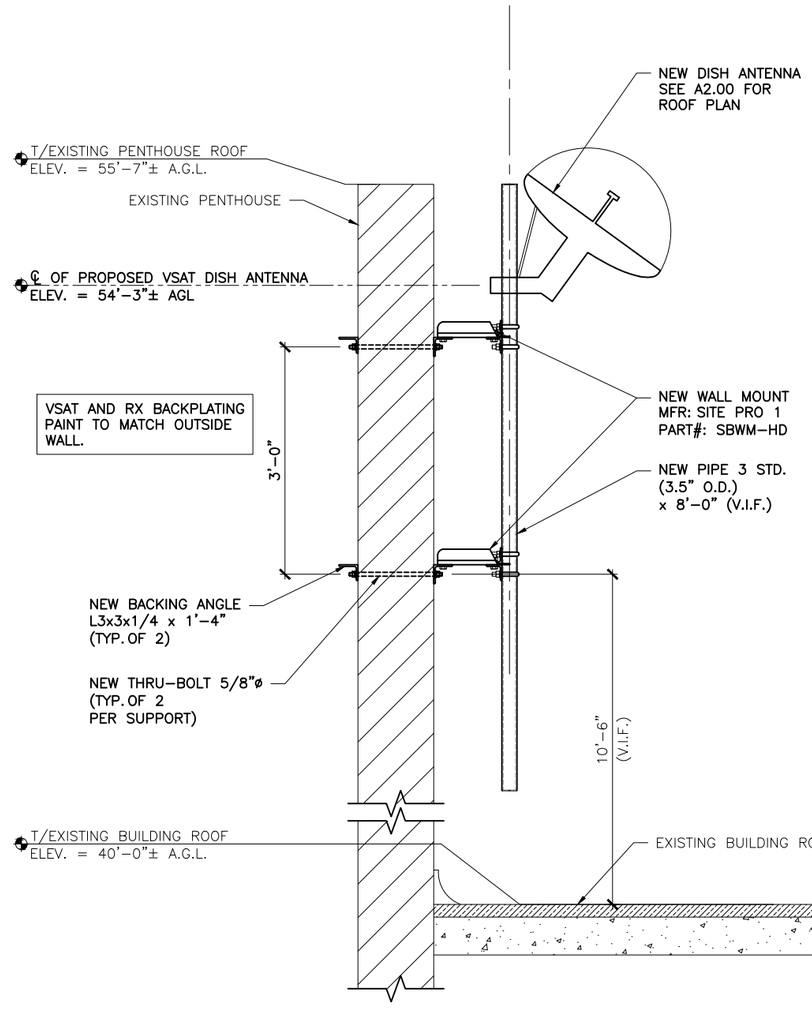


MAXIMUM WEIGHT = *** LBS.

MOUNT DETAIL- TYP. @ NEW SKYWARE 180 DISH ANTENNA SCALE: 1/2" = 1'-0" | 1

NOTE:
ALL NEW ANCHOR PENETRATIONS SHALL CONTAIN WATERPROOF SILICONE SEALANT AROUND PERIMETER

PENDING STRUCTURAL ANALYSIS



MAXIMUM WEIGHT = *** LBS.

MOUNT DETAIL- TYP. @ NEW TIL-TEK TA-2324-LHCP DISH ANTENNA SCALE: 1/2" = 1'-0" | 1

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SHEET NAME
ANTENNA MOUNTING DETAILS

SHEET NUMBER
S-2

2020.0030.0031

NOTE:
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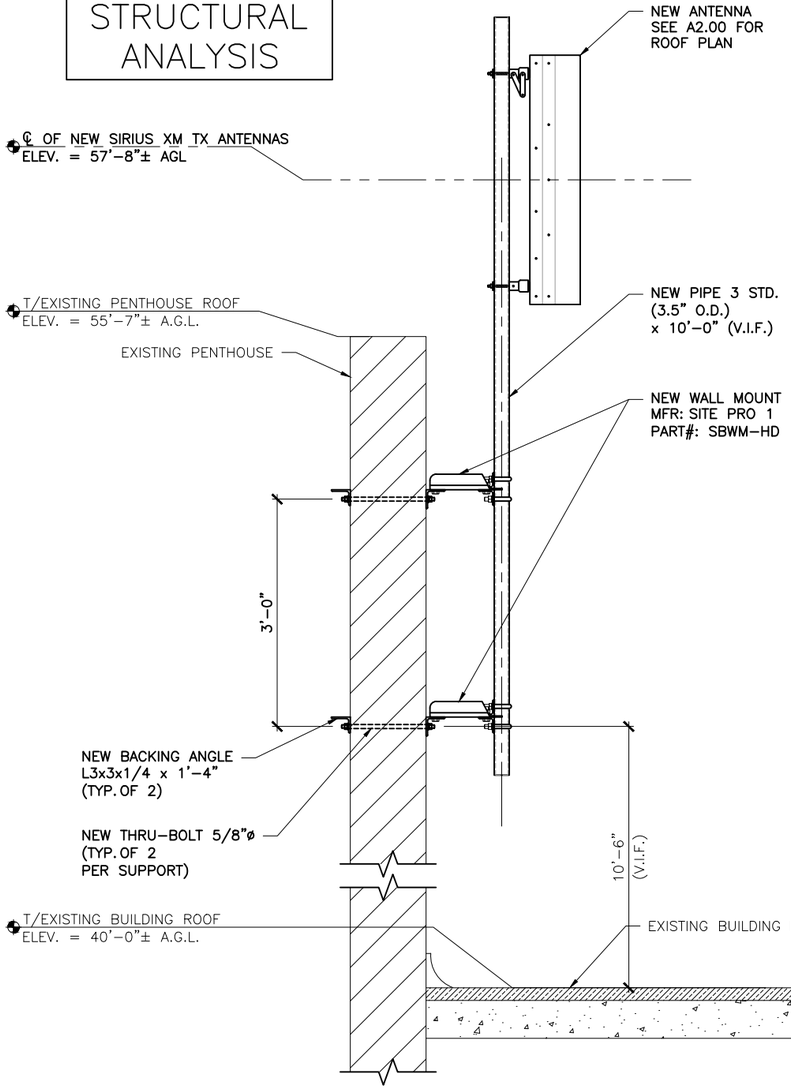
PENDING STRUCTURAL ANALYSIS



MAXIMUM WEIGHT = *** LBS.

MOUNT DETAIL- TYP. @ NEW TIL-TEK TA-2304-2-DAB-L-060 ANTENNA — SCALE: 1/2" = 1'-0" | 1

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

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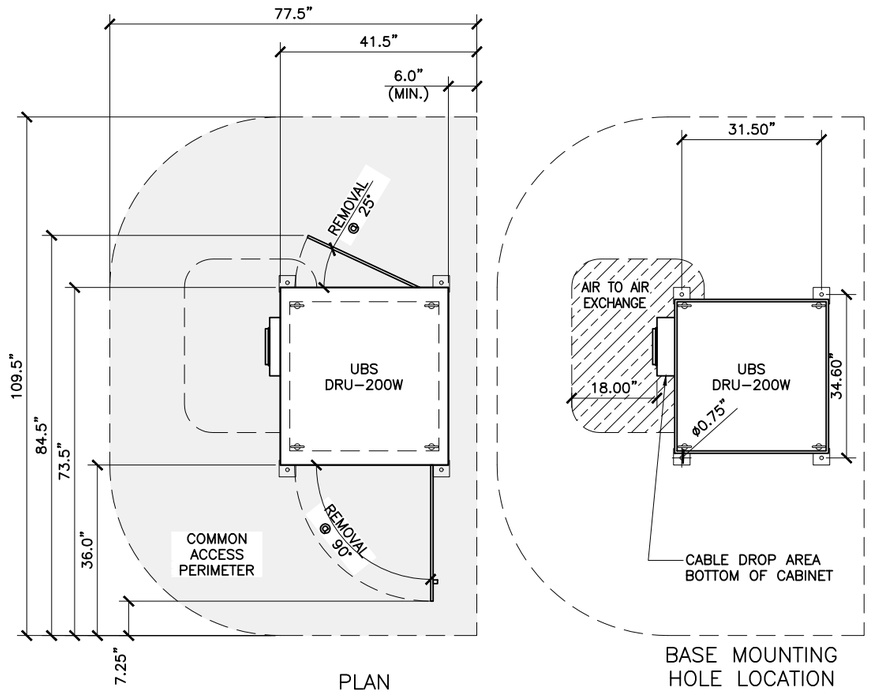
SHEET NAME
ANTENNA MOUNTING DETAILS

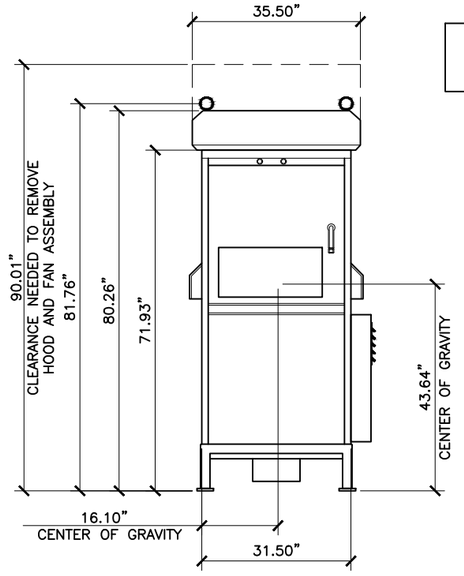
SHEET NUMBER
S-3

2020.0030.0031



PLAN

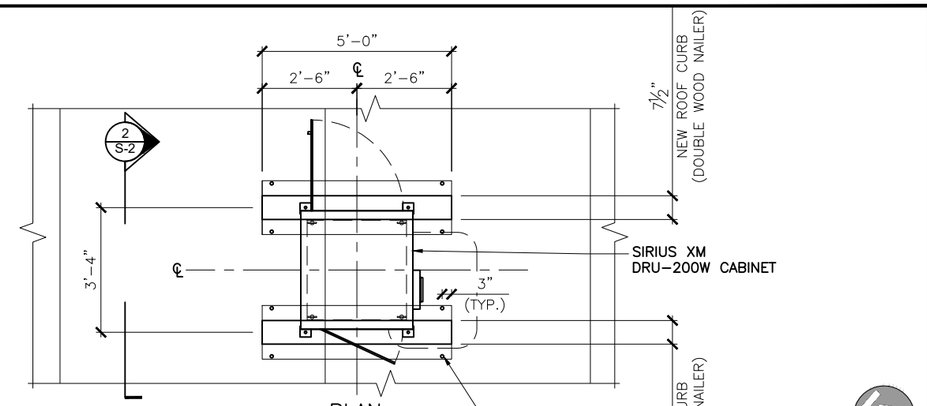
BASE MOUNTING
HOLE LOCATION
(BOTTOM VIEW)



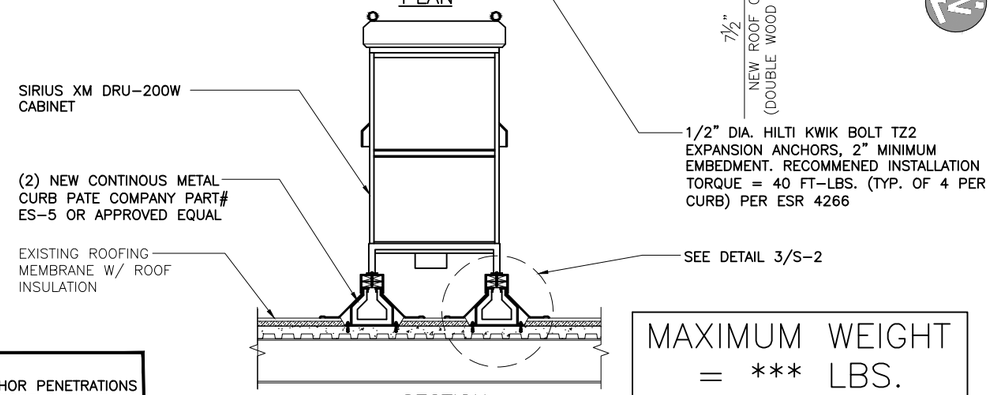
FRONT

CABINET INSTALLATION
WEIGHT: 817 LBS.

UBS DRU–200W CABINET DETAIL — SCALE: 3/8" = 1'–0" — 1



PLAN

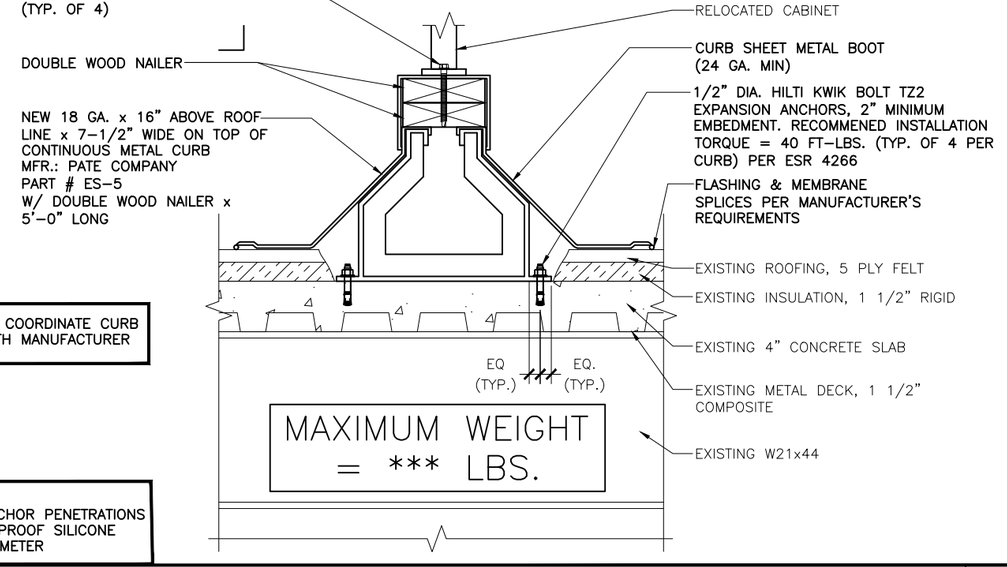


SECTION

MAXIMUM WEIGHT
= *** LBS.

NOTE:
ALL NEW LAG AND ANCHOR PENETRATIONS SHALL CONTAIN WATERPROOF SILICONE SEALANT AROUND PERIMETER

EQUIPMENT DETAILS — SCALE: N.T.S. — 2



CONTRACTOR TO COORDINATE CURB INSTALLATION WITH MANUFACTURER

NOTE:
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CURB DETAIL — SCALE: N.T.S. — 3

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SHEET NAME
EQUIPMENT SPECS

SHEET NUMBER
S-4

2020.0030.0031