

ABBREVIATIONS

AB	ANCHOR BOLT	LAM	LAMINATED
AC	ASPHALTIC CONCRETE	LBS	POUNDS
A/C	AIR CONDITIONING	LT	LIGHT
ADJ	ADJUSTABLE	LA	LIGHTNING ARRESTOR
A.F.F.	ABOVE FINISH FLOOR	LNA	LOW NOISE AMPLIFIER
ARCH	ARCHITECTURAL		
APPROX	APPROXIMATELY	MFR	MANUFACTURER
A.G.S.L.	ABOVE GRADE LEVEL	MAT	MATERIAL
	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
		MECH	MECHANICAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	ML	METAL LATH
BOT	BOTTOM	MO	MASONRY OPENING
BSMT	BASEMENT	MS	MACHINE SCREW
BTS	BASE TRANSCIEVER STATION	MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	NEW
CEM	CEMENT	NIC	NOT IN CONTRACT
CL	CHAIN LINK	NO	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
COL	COLUMN	OA	OVERALL
CONC	CONCRETE	O.C.	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CORR	CORRIDOR		
CO	CONDUIT ONLY	PARTN	PARTITION
		PL	PLATE
DIA	DIAMETER	PLAS	PLASTER
DBL	DOUBLE	PLYWD	PLYWOOD
DEPT	DEPARTMENT	POC	POINT OF CONNECTION
DEMO	DEMOLITION	PROP	PROPERTY
DN	DOWN	PT	PRESSURE TREATED
DR	DOOR		
DTL	DETAIL	R	RISER
DWG	DRAWING	REQD	REQUIRED
		RD	ROOF DRAIN
(E)	EXISTING	RM	ROOM
EA	EACH	RMS	ROOMS
ELEC	ELECTRIC	RO	ROUGH OPENING
ELEV	ELEVATION	SC	SOLID CORE
EQUIP	EQUIPMENT	SCHED	SCHEDULE
EXP	EXPANSION	SECT	SECTION
EXT	EXTERIOR	SHT	SHEET
		SIM	SIMILAR
FA	FIRE ALARM	SPECS	SPECIFICATIONS
FB	FLAT BAR	SS	STAINLESS STEEL
FF	FINISH FLOOR	STL	STEEL
FH	FLAT HEAD	STOR	STORAGE
FIN	FINISH(ED)	STRUC	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOS	FACE OF STUDS	SW	SWITCH
FS	FINISH SURFACE	SWBO	SWITCHBOARD
FT	FOOT	THK	THICK
FTG	FOOTING	TI	TENANT IMPROVEMENT
FW	FINISH WELL	TMA	TOWER MOUNTED AMPLIFIER
F.G.	FINISH GRADE	TOS	TOP OF SURFACE
FUT	FUTURE	TS	TUBE STEEL
		TYP	TYPICAL
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED		
GL	GLASS	VCT	VINYL COMPOSITION
GR	GRADE		
GYP	GYPSPUM		
GFCI	GROUND FAULT CIRCUIT INTERRUPT	VERT	VERTICAL
		V.I.F.	VERIFY IN FIELD
GND	GROUND	VG	VERTICAL GRAIN
HC	HOLLOW CORE		
HDW	HARDWARE	W/	WITH
HTR	HEATER	WD	WOOD
HM	HOLLOW METAL	WR	WATER RESISTANT
HORIZ	HORIZONTAL	WT	WEIGHT
HR	HOUR		
HT	HEIGHT	XFMR	TRANSFORMER
HV	HIGH VOLTAGE		
		@	AT
ID	INSIDE DIMENSION]	CHANNEL
INS	INSULATION]	CENTERLINE
INT	INTERIOR	∠	ANGLE
		∠	ANGLE
JT	JOINT	ℙ	PROPERTY LINE

SYMBOLS:

	SECTION NUMBER		BUILDING SECTION REFERENCE
	SHEET NUMBER		
	DETAIL NUMBER		DETAIL REFERENCE
	SHEET NUMBER		
	SECTION NUMBER		DETAIL SECTION REFERENCE
	SHEET NUMBER		
	DETAIL NUMBER		EXTERIOR ELEVATION REFERENCE
	SHEET NUMBER		
①	KEY NOTE REFERENCE	-----	PROPERTY LINE
X	DOOR NUMBER	-X-X-X-	FENCING
xx	AREA AND/OR ROOM NUMBER	-E-E-E-E-	ELECTRICAL SERVICE
	MECHANICAL UNIT	-T-T-T-T-	TELCO SERVICE
		-E/T-E/T-E/T-	ELECTRICAL & TELCO SERVICE

GENERAL:

- THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, AND NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.
- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.
- A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUM'S, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM START OF PROJECT TO COMPLETION OF PROJECT.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES.
- ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE 2007 C.B.C. AND ALL THE OTHER LATEST GOVERNING CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
- THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR UNLESS NOTED OTHERWISE IN THE PLANS.
- WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
- ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
- ALL DEBRIS AND REFUGE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
- ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
- THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSION, ELEVATION, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- 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 ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.
- ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

SITE PREPARATION NOTES:

- THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT WOULD BE DAMAGING TO THE FOOTINGS OF THE NEW STRUCTURE.
- BACK FILLING AT TRENCHES SHALL BE OF CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30 OR GREATER. BACK FILLING SHALL BE DONE IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.
- ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.
- SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE NEW FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
- WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
- THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
- PROOFROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
- FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.
- THE STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
- WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
- PRIOR TO PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SUBMITTALS:

SUBMITTALS FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ECT. FOR ITEMS DESIGNED BY THE ARCHITECT/ENGINEER OF RECORD SHALL BE MADE TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE SUBMITTAL BEFORE FORWARDING TO THE ARCHITECT. SUBMITTALS SHALL BE MADE IN ADVANCED TO ARCHITECT-ENGINEER. SUBMITTALS REQUIRED FOR EACH SECTION OF THESE NOTES ARE SPECIFIED IN THAT SECTION.

SHOP DRAWING REVIEW:

REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY. FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTION FABRICATION PROCESSES.

ACCESSIBILITY NOTE:

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN HEREON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2007 C.B.C. CHAPTER 11, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

BID WALK NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS, START OF CONSTRUCTION AND/OR FABRICATION. AFTER THOROUGHLY EXAMINING THE PLANS AND EXISTING SITE CONDITIONS NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR ANY ITEMS NEEDING CLARIFICATIONS PRIOR TO SUBMITTING FINAL BIDS.
- IF THE ENGINEER IS NOT NOTIFIED OF ANY DISCREPANCIES OR CLARIFICATIONS IN WRITING AS DESCRIBED IN #1 IT WILL BE CONFIRMED THAT THE CONTRACTOR HAS CONSIDERED ALL ITEMS THAT WILL AFFECT THE COST OF THE CONSTRUCTION OF THE SITE UNDER THE MOST STRINGENT CONDITIONS. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION AFTER THE FINAL BIDS HAVE BEEN SUBMITTED AND AWARDED FROM THE CARRIER.

STRUCTURAL STEEL:

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE. IDENTIFY AND MARK STEEL PER 2007 C.B.C. SECTION 2203.
- STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ARCHITECT PRIOR TO FABRICATION.
- GROUTING OF COLUMN BASE PLATES: BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH NON-SHRINK, NON-FERROUS GROUT. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO GROUTING.
- ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.
- NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS NOTED OTHERWISE. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THIS ENGINEER.
- WELDING: CONFORM TO AWS D1 1. WELDERS SHALL BE CERTIFIED IN ACCORDANCE WITH WABO REQUIREMENTS. USE E70 ELECTRODES OF TYPE REQUIRED FOR MATERIALS TO BE WELDED.
- BOLTING: ASTM A307 BOLTS SHALL BE INSTALLED "SNUG TIGHT" PER AISC. SECTION RCSC 8(C) ASTM A325 BOLTS SHALL CONFORM TO THE RCSC SPECIFICATION SECTION 8 (D).
- FABRICATION: CONFORM TO AISC SPECIFICATION SEC M2 "FABRICATION" AND AISC CODE SEC 6 "FABRICATION AND DELIVERY" PERFORM WORK ON PREMISES OF A FABRICATOR APPROVED BY THE BUILDING OFFICIAL.
- GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER SPECIFICATIONS. PER ASTM A153.

STRUCTURAL STEEL:

MATERIALS:	CONFORM TO
ANCHOR BOLTS (HEADED):	ASTM A307
ANCHOR BOLTS (J-TYPE):	ASTM A36
BARS AND PLATES:	ASTM A36
BOLTS:	ASTM A307
C-, M-, AND ANGLE SHAPES:	ASTM A36
DEFORMED WELDED WIRE FABRIC:	ASTM A497
EPOXY AND EXPANSION ANCHORS:	HILTI OR EQUIVALENT
GROUT:	EMBECO OR EQUIVALENT
HIGH-STRENGTH BOLTS:	ASTM A325SC OR (A325N)
OTHER STRUCTURAL SHAPES:	ASTM A36
REINFORCING BARS:	ASTM A615, GRADE 60, DEFORMED BARS
SMOOTH WELDED WIRE FABRIC:	ASTM A185
STRUCTURAL WF SHAPES:	ASTM A572-GR50
STEEL PIPE:	ASTM A53, GRADE B
TIE WIRE:	16.5 GAGE OR HEAVIER, BLACK ANNEALED
TUBE STEEL AND PIPE COLUMNS:	ASTM A500, GRADE B
WELDING ELECTRODES:	E70XX
W - SHAPES:	ASTM A992, GRADE 50

STRUCTURAL STEEL NOTES:

- HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- ALL FRAMING CONNECTORS SUCH AS CONCRETE ANCHORS, HOLD-DOWNS, POST BASES, FRAMING CAPS, HANGER AND OTHER MISCELLANEOUS STRUCTURAL METALS SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE CO. OR APPROVED EQUAL.



4100 GUARDIAN ST., SUITE 101
SIMI VALLEY, CA 93063

PROJECT INFORMATION:

IE94439A
ORANGE TREE CONSTRUCTION/
NEXTEL PALM
5120 E BEVERLY BLVD
LOS ANGELES, CA 90022
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:

05-23-2014

ISSUED FOR:

PLAN CHECK

REV. DATE DESCRIPTION BY:

REV.	DATE	DESCRIPTION	BY:
3	05-23-14	REVISED CDs	LHC
2	04-29-14	100% CDs	LHC
1	04-16-14	90% CDs FOR REVIEW	LHC

PLANS PREPARED BY:



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SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: CHK. APV.:

SRS	LHC	LHC
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LICENSURE:



SHEET TITLE:

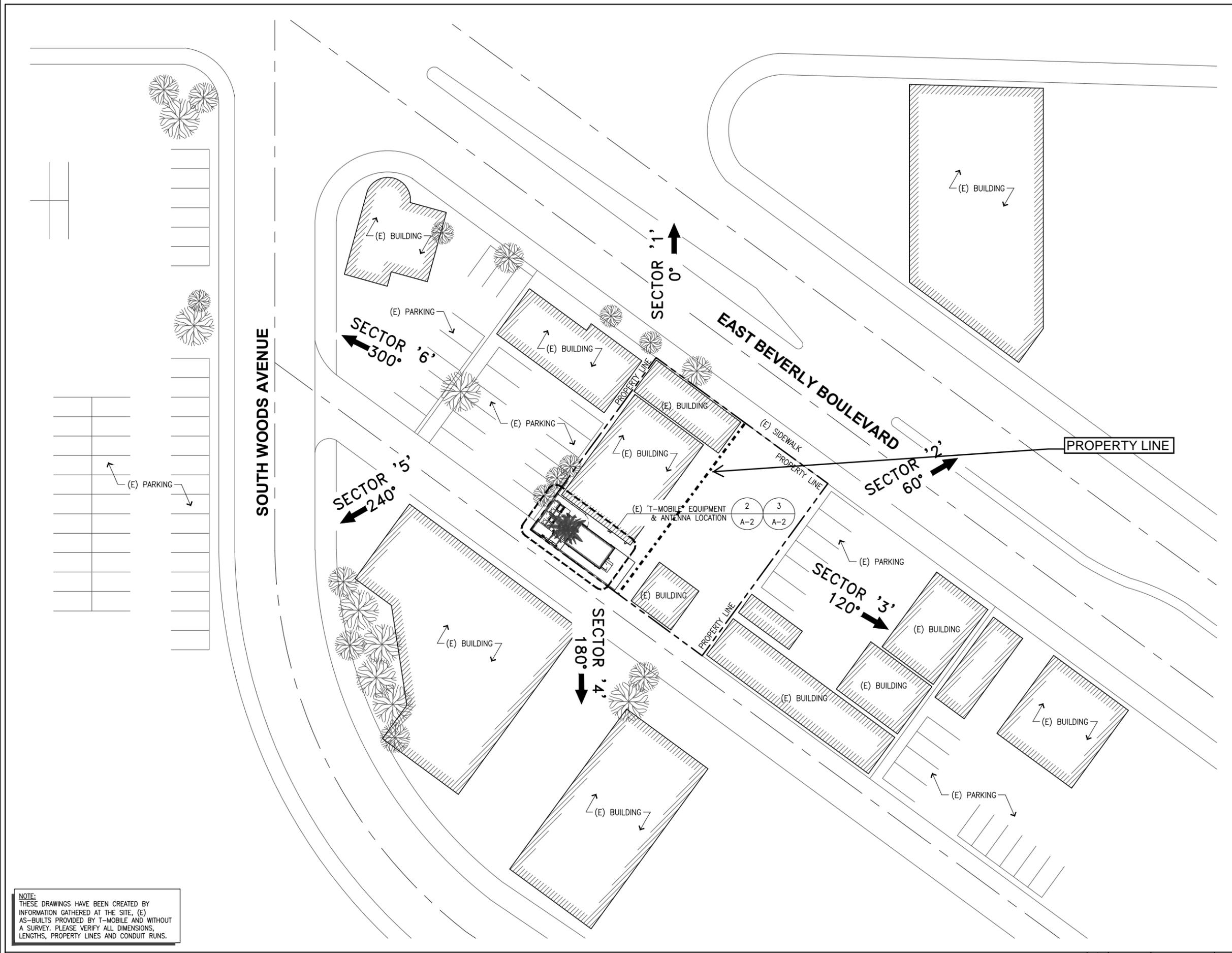
GENERAL NOTES,
SPECIFICATIONS,
ABBREVIATIONS AND
SYMBOLS

SHEET NUMBER: REVISION:

T2

3

IE94439A



NOTE:
 THESE DRAWINGS HAVE BEEN CREATED BY
 INFORMATION GATHERED AT THE SITE. (E)
 AS-BUILTS PROVIDED BY T-MOBILE AND WITHOUT
 A SURVEY. PLEASE VERIFY ALL DIMENSIONS,
 LENGTHS, PROPERTY LINES AND CONDUIT RUNS.

SITE PLAN

SCALE
 1"=20'
 0 10' 20' **1**

T-Mobile
 Stick Together
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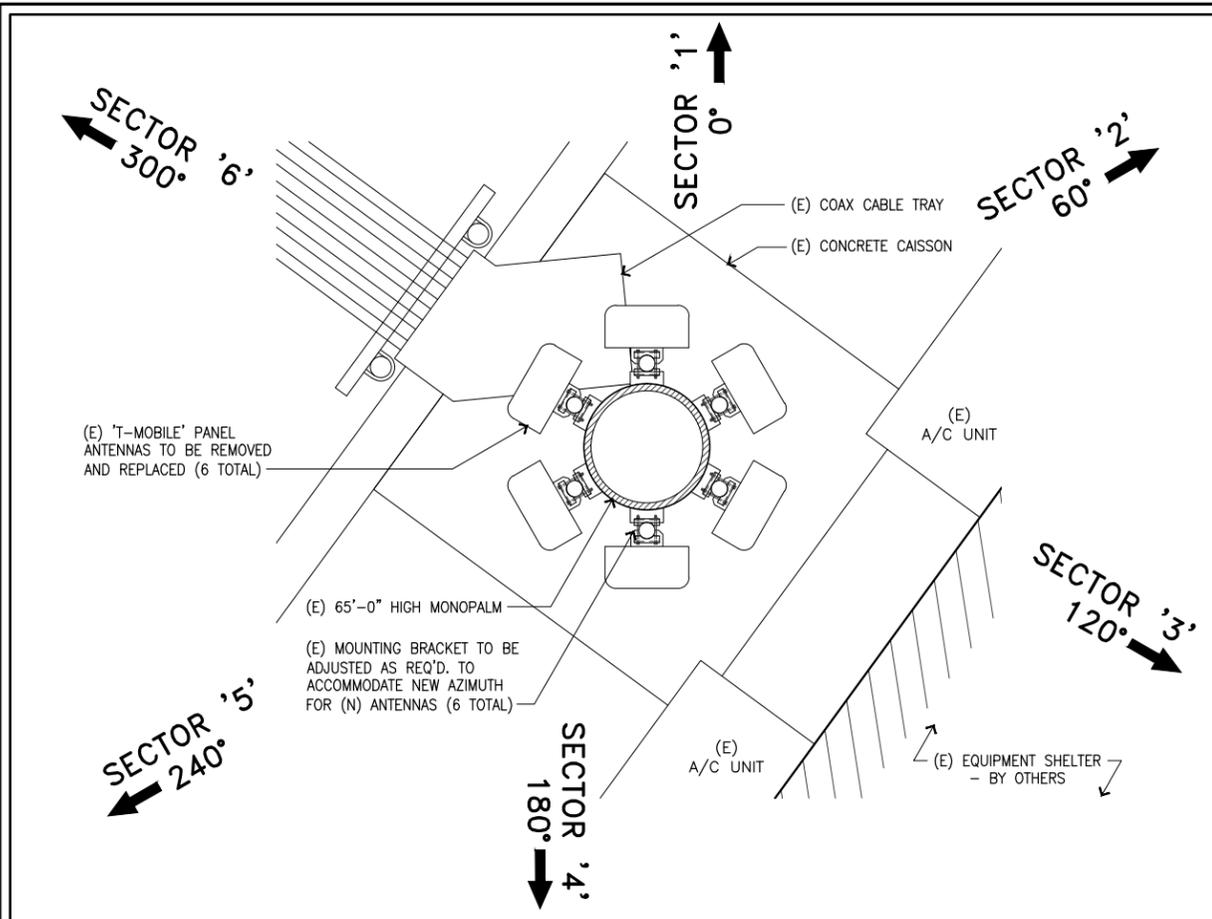
Cortel, LLC
 548A PRESIDIO BLVD.
 SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY:	CHK.:	APV.:
SRS	LHC	LHC

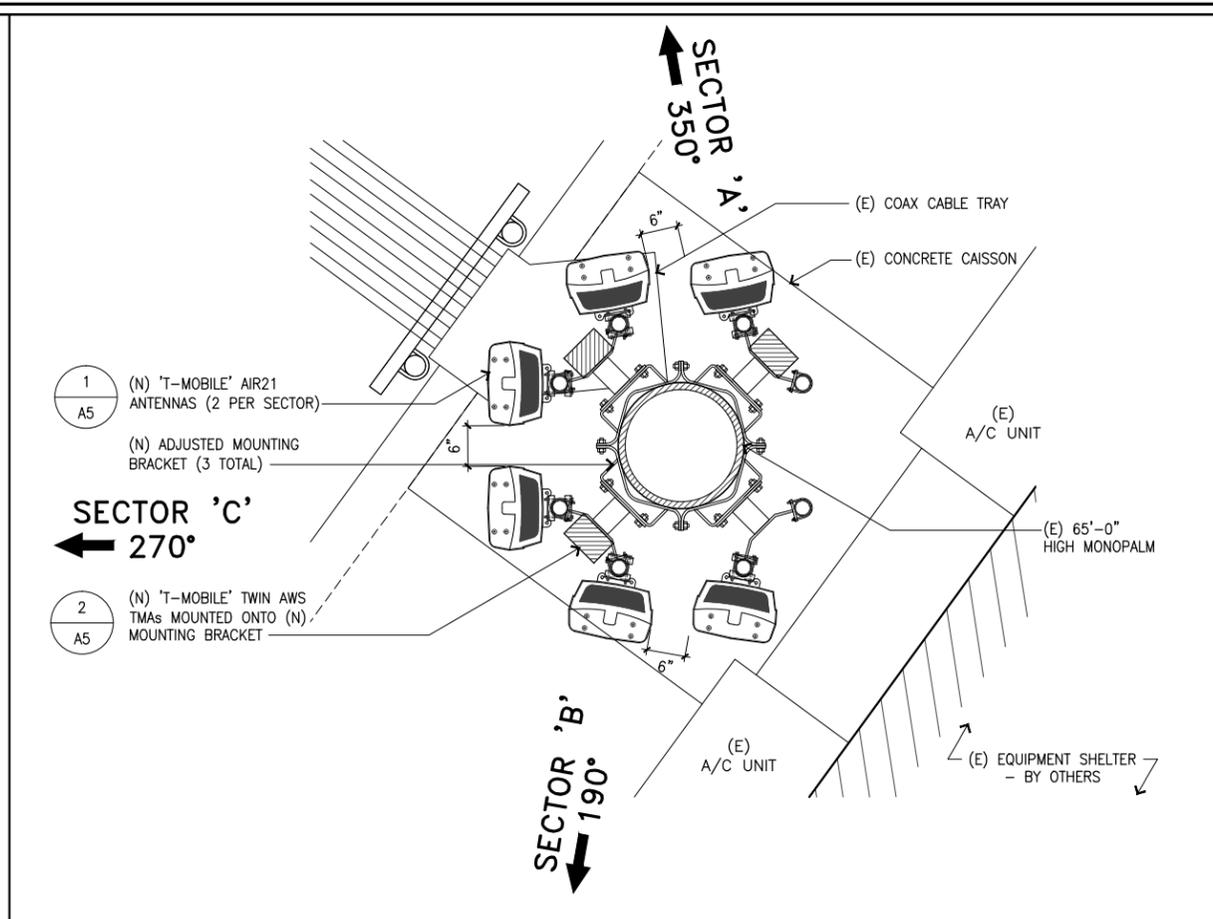
LICENSURE:

SHEET TITLE:
SITE PLAN

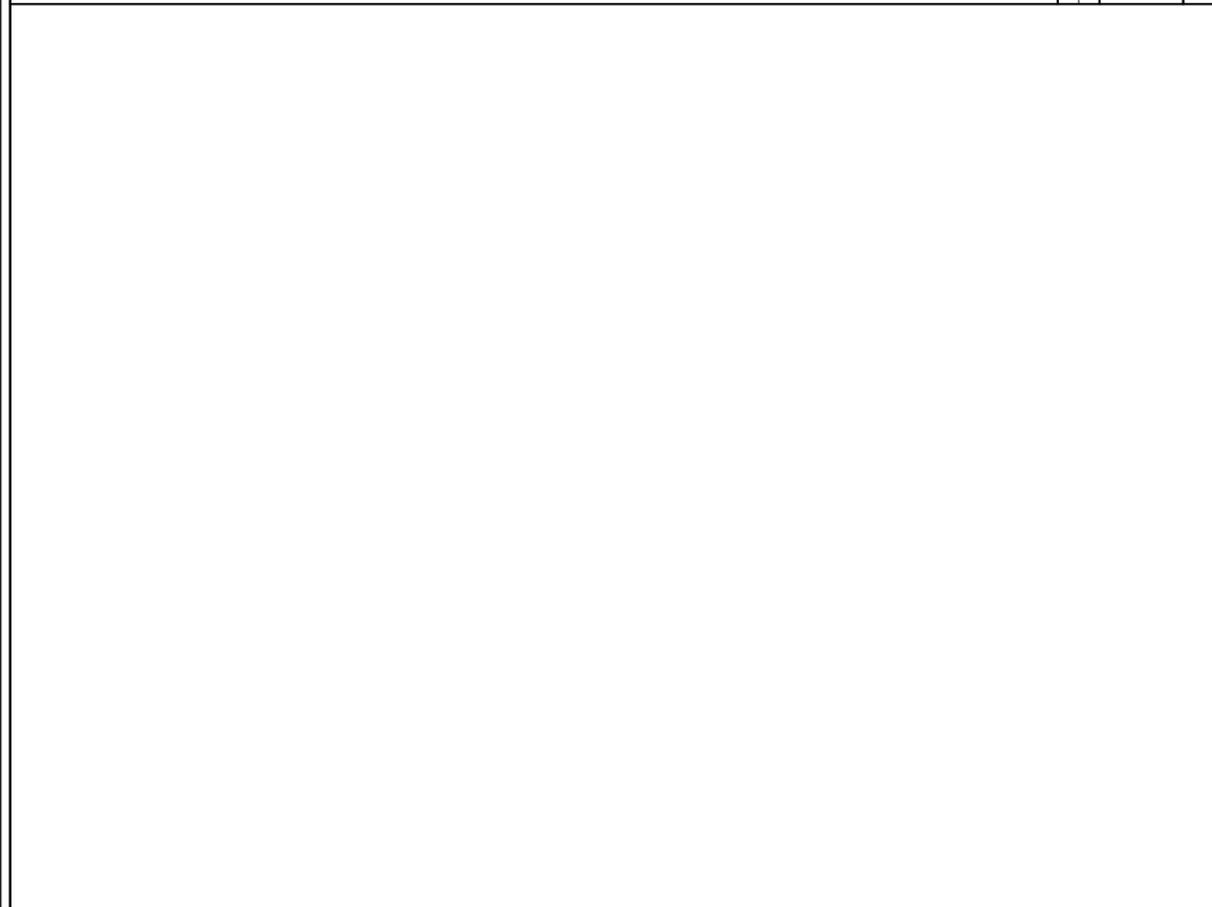
SHEET NUMBER: **A1** REVISION: **3**
 IE94439A



(E) ANTENNA LAYOUT PLAN SCALE 1"=1'-0" **3**



(N) ANTENNA LAYOUT PLAN SCALE 1"=1'-0" **1**



NOT USED SCALE 3/8"=1'-0" **4** **(E) EQUIPMENT LAYOUT PLAN** **2**

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DRAWN BY:	CHK.:	APV.:
SRS	LHC	LHC

LICENSURE:

SHEET TITLE:
EQUIPMENT AND ANTENNA LAYOUT PLAN

SHEET NUMBER: **A2** REVISION: **3**
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LICENSURE:



SHEET TITLE:

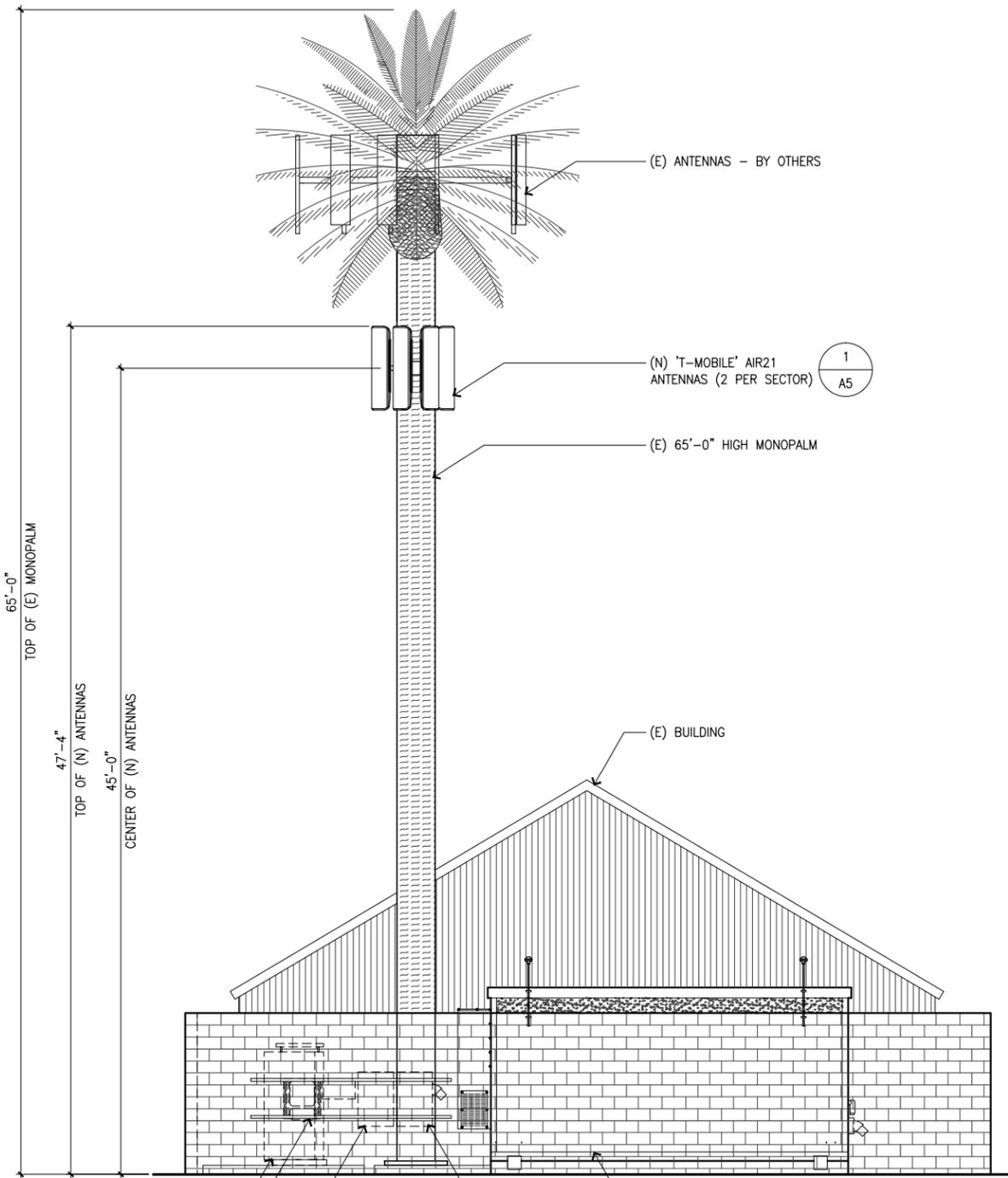
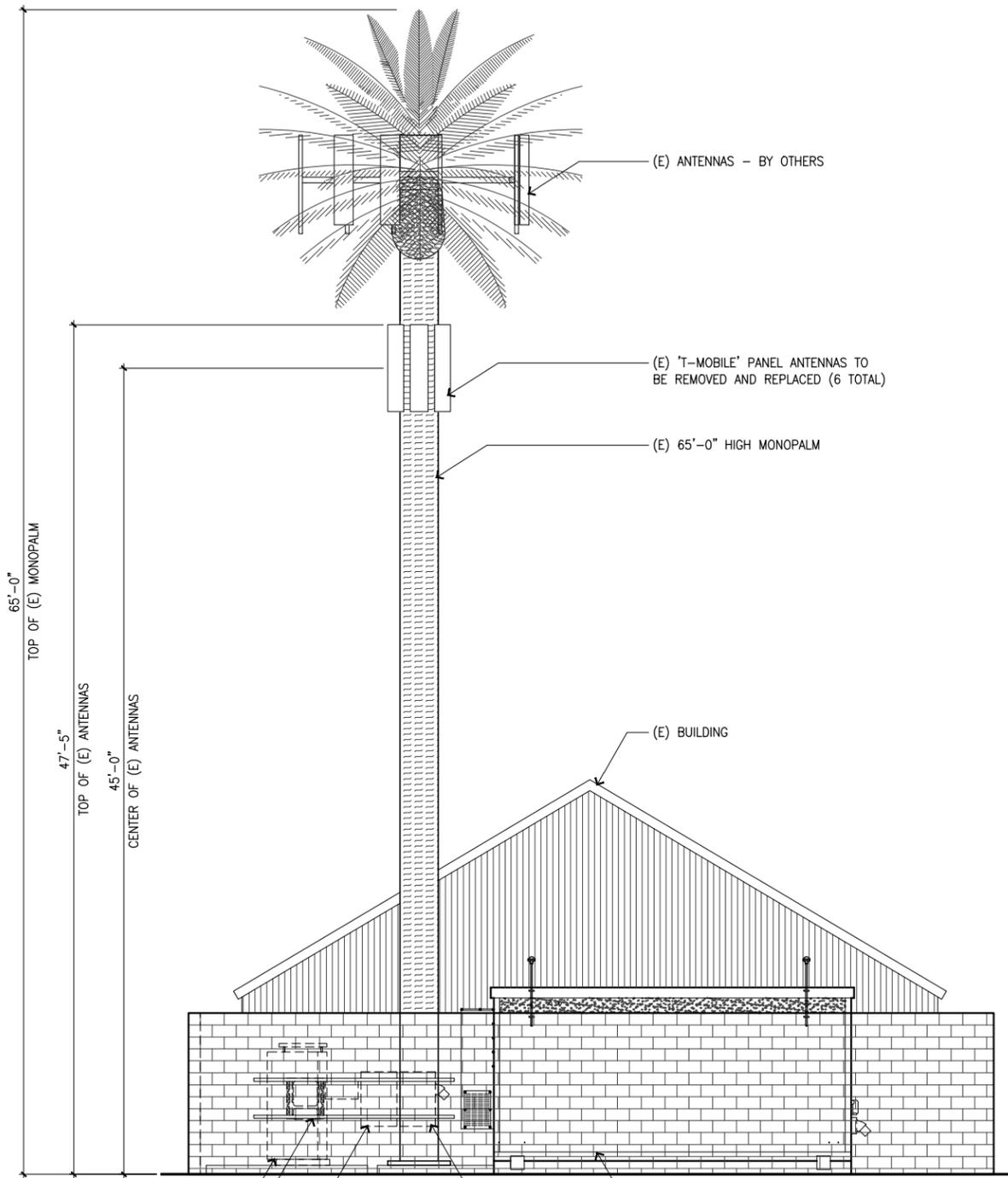
ELEVATIONS

SHEET NUMBER: REVISION:

A3

3

IE94439A



(E) SOUTH ELEVATION

SCALE
1/4"=1'-0"

2

(N) SOUTH ELEVATION

SCALE
1/4"=1'-0"

1

PROJECT INFORMATION:

IE94439A
**ORANGE TREE CONSTRUCTION/
NEXTEL PALM**
5120 E BEVERLY BLVD
LOS ANGELES, CA 90022
COUNTY OF LOS ANGELES

CURRENT ISSUE DATE:

05-23-2014

ISSUED FOR:

PLAN CHECK

REV. DATE DESCRIPTION BY:

REV.	DATE	DESCRIPTION	BY:
3	05-23-14	REVISED CDS	LHC
2	04-29-14	100% CDS	LHC
1	04-16-14	90% CDS FOR REVIEW	LHC

PLANS PREPARED BY:



1883 WEST 190TH STREET, SUITE 200
TORRANCE, CA 90504
TEL: (310) 464-8404
FAX: (310) 464-8408
www.breeneng.com

CONSULTANT:



548A PRESIDIO BLVD.
SAN FRANCISCO, CALIFORNIA 94129

DRAWN BY: CHK.: APV.:

SRS LHC LHC

LICENSURE:



SHEET TITLE:

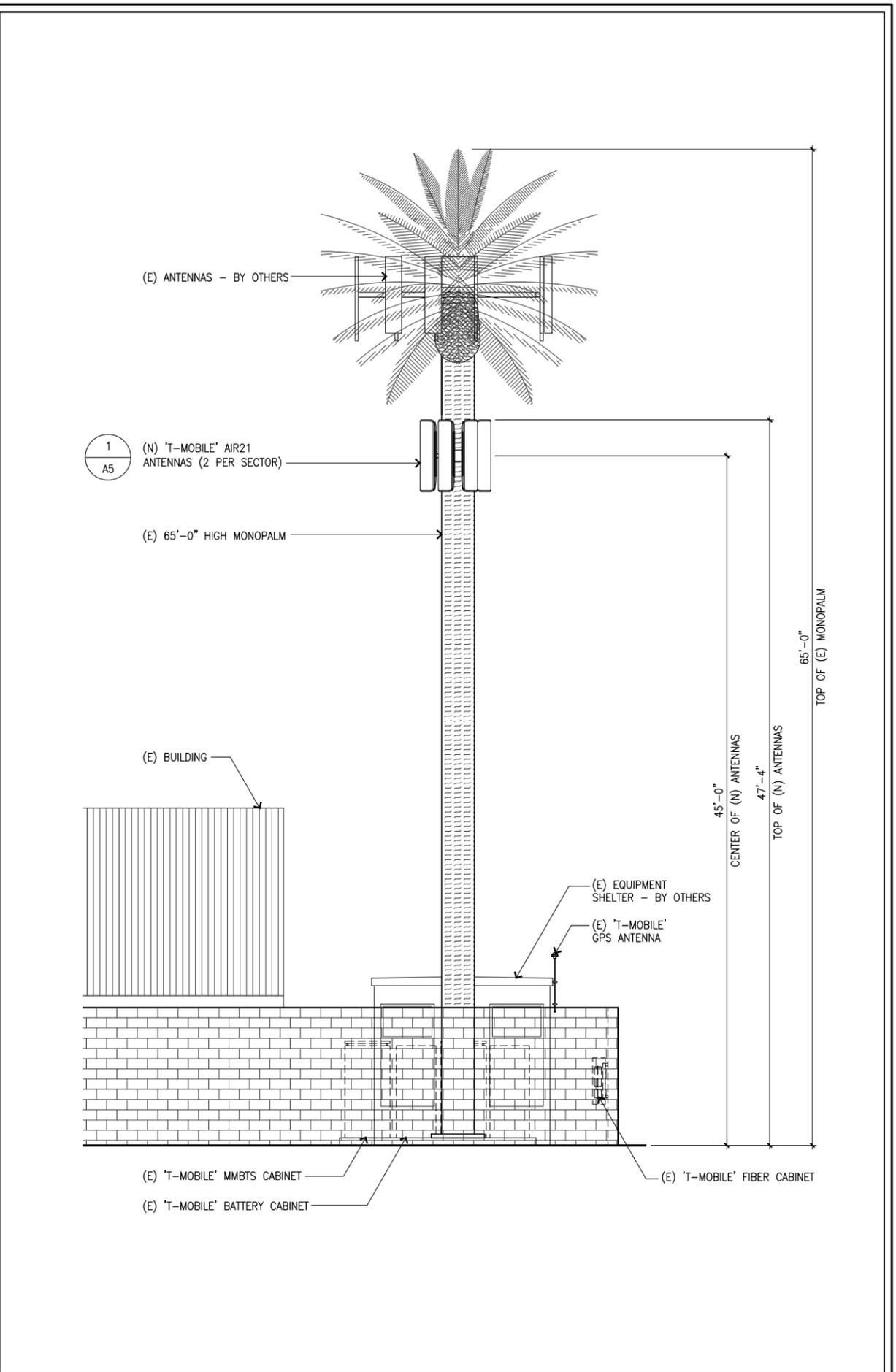
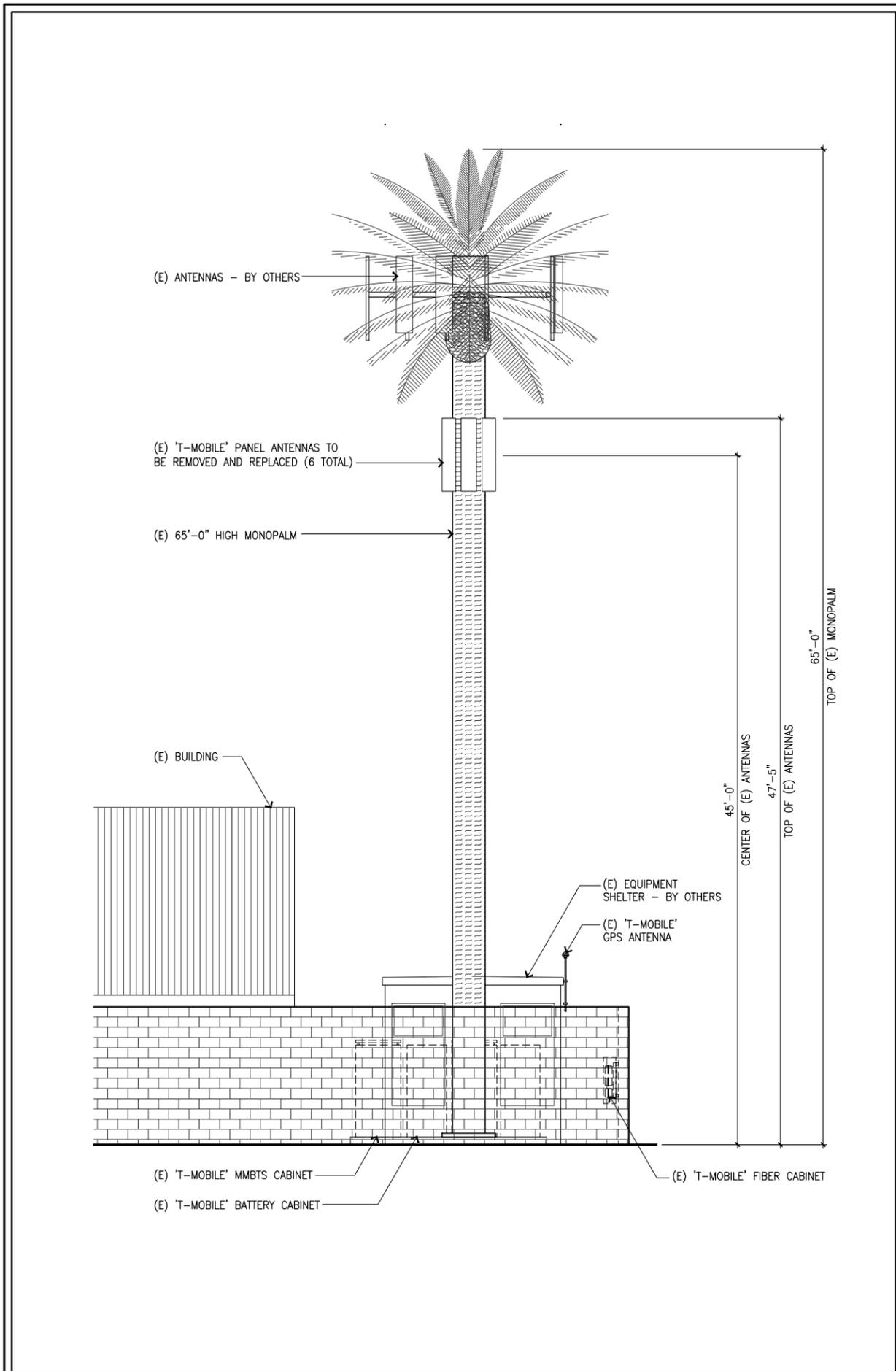
ELEVATIONS

SHEET NUMBER: REVISION:

A4

3

IE94439A



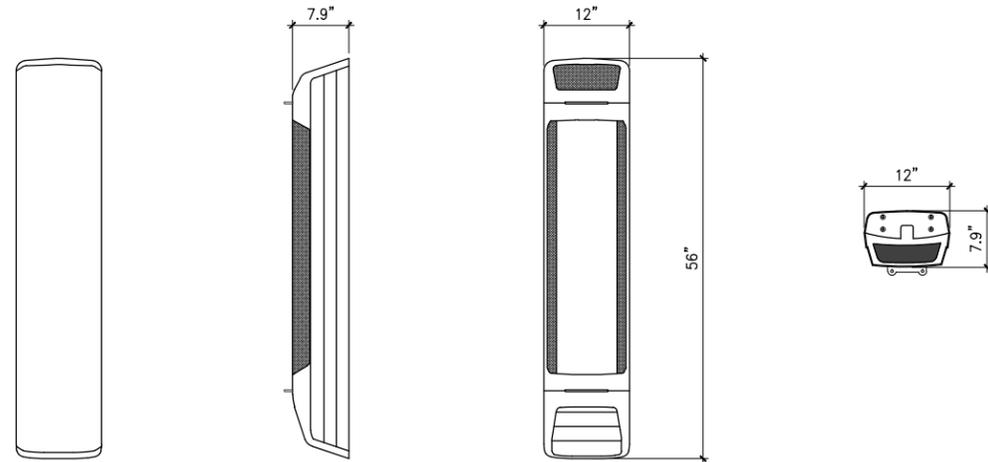
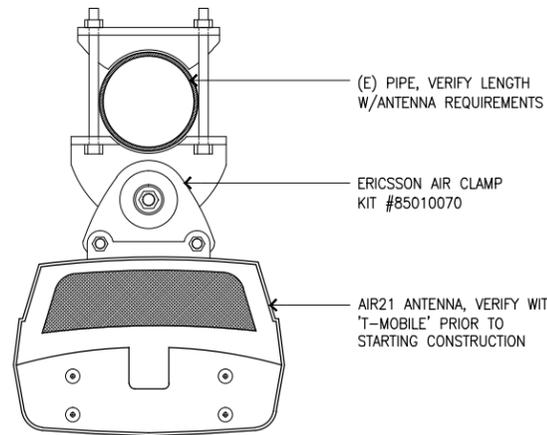
(E) WEST ELEVATION

SCALE
1/4"=1'-0"

2 (N) WEST ELEVATION

SCALE
1/4"=1'-0"

1



AIR21 MOUNTING

3 AIR21 SPECIFICATIONS

1

NOT USED

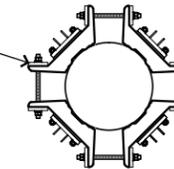
4

NOT USED

5 ANTENNA / TMA MOUNTING

2

QUAD UNIVERSAL RING MOUNT FOR POLES 12" TO 60" BY VALMONT OR APPROVED EQUAL (PART# UQB4)



QUAD UNIVERSAL RING MOUNT FOR POLES 12" TO 60" BY VALMONT OR APPROVED EQUAL (PART# UQB4)

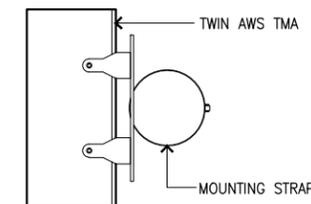
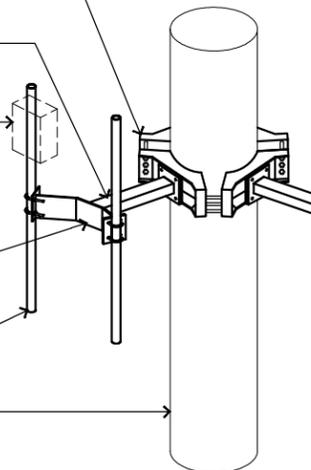
DUAL STAND OFF ARM PART# SA2-24

(N) TMA MOUNTED TO (N) PIPE, SEE DETAIL A

(N) MOUNTING BRACKET

(N) ANTENNA MOUNTING PIPE

(E) MONOPALM



REV.	DATE	DESCRIPTION	BY
3	05-23-14	REVISED CDs	LHC
2	04-29-14	100% CDs	LHC
1	04-16-14	90% CDs FOR REVIEW	LHC

PLANS PREPARED BY:

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DRAWN BY:	CHK.:	APV.:
SRS	LHC	LHC

LICENSURE:

SHEET TITLE:
DETAILS

SHEET NUMBER: **A5** REVISION: **3**
IE94439A