

CITY OF CHICAGO DEPARTMENT OF CONSTRUCTION AND PERMITS							
GENERAL BUILDING REQUIREMENTS Per Chicago Zoning Ordinance (CZO) and Chicago Building Code (CBC) 2019 Edition							
ITEM	ISSUE	CHAPTER/ARTICLE	Ordinance Requirement	Actual	Requirement Sheet	Location Sheet No.	Agency/ Test No.
ZONING REQUIREMENTS							
1.01	Zoning District	CHAPTER 17-1-000	N/A	N/A	N/A	N/A	N/A
1.02	Lot Area	N/A	N/A	N/A	N/A	N/A	N/A
1.03	Maximum Floor Area Ratio	N/A	N/A	N/A	N/A	N/A	N/A
1.04	Front Building Area	N/A	N/A	N/A	N/A	N/A	N/A
1.05	Building Height - No. of Floors	N/A	N/A	N/A	N/A	N/A	N/A
1.06	Minimum Yards	N/A	N/A	N/A	N/A	N/A	N/A
1.07	Grade Elevation (CCO)	N/A	N/A	N/A	N/A	N/A	N/A
1.08	Off Street Loading	CHAPTER 17-10-101	N/A	N/A	N/A	N/A	N/A
1.09	Off Street Parking	CHAPTER 17-10-207	N/A	N/A	N/A	N/A	N/A
1.10	Landscaping	CHAPTER 17-10-050	N/A	N/A	N/A	N/A	N/A
BUILDING REQUIREMENTS							
2.01	Occupancy Classification (S)	3 (13-26) page 115	N/A	N/A	N/A	N/A	N/A
2.02	Height and Area Limitations	3 (13-40) page 323	N/A	N/A	N/A	N/A	N/A
	a) Exceptions to Area Limitations	3 (13-40-090) page 325	N/A	N/A	N/A	N/A	N/A
	b) Exceptions to Area Limitations	3 (13-40-100) page 325	N/A	N/A	N/A	N/A	N/A
2.03	Types of Construction	3 (13-20) page 323	N/A	N/A	N/A	N/A	N/A
2.04	Means of Egress Separations	3 (13-25) page 118	N/A	N/A	N/A	N/A	N/A
2.05	Means of Egress - Stairways	3 (13-25) page 118	N/A	N/A	N/A	N/A	N/A
	Interior Landing Walls	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
	Interior Landing Walls	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
	Interior Landing Walls	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
	Columns Supporting Roofs Only	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
	Beams Supporting Roofs Only	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
	Floor Construction	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
2.06	Elevator Framing	Table 613-60-100	N/A	N/A	N/A	N/A	N/A
2.07	Mazzerline Floors	613-60-160) page 332	N/A	N/A	N/A	N/A	N/A
2.08	Basement Construction	613-60-170) page 332	N/A	N/A	N/A	N/A	N/A
2.09	Driveways and Loading Spaces	613-60-210) page 332	N/A	N/A	N/A	N/A	N/A
2.10	Fire - Resistive Requirements	715-5-410) page 335	N/A	N/A	N/A	N/A	N/A
	a) Fire Walls - Construction	715-5-100) page 335	N/A	N/A	N/A	N/A	N/A
	b) Firewalls	715-5-140) page 337	N/A	N/A	N/A	N/A	N/A
	c) Stairway Enclosures	715-5-180) page 337	N/A	N/A	N/A	N/A	N/A
	d) Enclosures of Heating Rooms	715-5-180) page 338	N/A	N/A	N/A	N/A	N/A
	e) Enclosures of Walls & Chutes	715-5-210) page 339	N/A	N/A	N/A	N/A	N/A
	f) Other Enclosures	715-5-280) page 341	N/A	N/A	N/A	N/A	N/A
	g) Stairway Enclosures	715-5-220) page 339	N/A	N/A	N/A	N/A	N/A
2.11	Structural Steel Connections and Construction	715-5-220) page 339	N/A	N/A	N/A	N/A	N/A
2.12	Accepted Engineering Practices	715-5-230) page 340	N/A	N/A	N/A	N/A	N/A
	Accepted Agencies	815-5-10) page 341	N/A	N/A	N/A	N/A	N/A
2.13	Fire Protection Equipment	815-5-10) page 341	N/A	N/A	N/A	N/A	N/A
	Sprinkler Systems	815-5-10) page 341	N/A	N/A	N/A	N/A	N/A
	Special Requirements	815-5-10) page 341	N/A	N/A	N/A	N/A	N/A
EXIT REQUIREMENTS							
3.01	Types of Exits	1013-160-040) page 388	N/A	N/A	N/A	N/A	N/A
3.02	Minimum Number of Exits	1013-160-050) page 388	N/A	N/A	N/A	N/A	N/A
3.03	Travel Distance to Exits	1013-160-10) page 388	N/A	N/A	N/A	N/A	N/A
	Approved Permitted	1013-160-10) page 388	N/A	N/A	N/A	N/A	N/A
	Approved Permitted	1013-160-10) page 388	N/A	N/A	N/A	N/A	N/A
3.04	Capacity of Exits	1013-160-210) page 391	N/A	N/A	N/A	N/A	N/A
3.05	Minimum Width of Exits	1013-160-220) page 391	N/A	N/A	N/A	N/A	N/A
3.06	Stairs at Exit Doors	1013-160-250) page 392	N/A	N/A	N/A	N/A	N/A
3.07	Exit Signs	1013-160-260) page 392	N/A	N/A	N/A	N/A	N/A
3.08	Exit Doors	1013-160-270) page 393	N/A	N/A	N/A	N/A	N/A
3.09	Locking Doors	1013-160-280) page 394	N/A	N/A	N/A	N/A	N/A
3.10	Handrails	1013-160-300) page 394	N/A	N/A	N/A	N/A	N/A
3.11	Construction	1013-160-310) page 394	N/A	N/A	N/A	N/A	N/A
3.12	Enclosures	1013-160-320) page 394	N/A	N/A	N/A	N/A	N/A
3.13	Hazard Rooms	1013-160-350) page 394	N/A	N/A	N/A	N/A	N/A



CH-41799A
OPS THORP SCHOOL
6024 W. WARWICK AVE.
CHICAGO, IL 60634

CODE MATRIX SCHEDULE
T-2

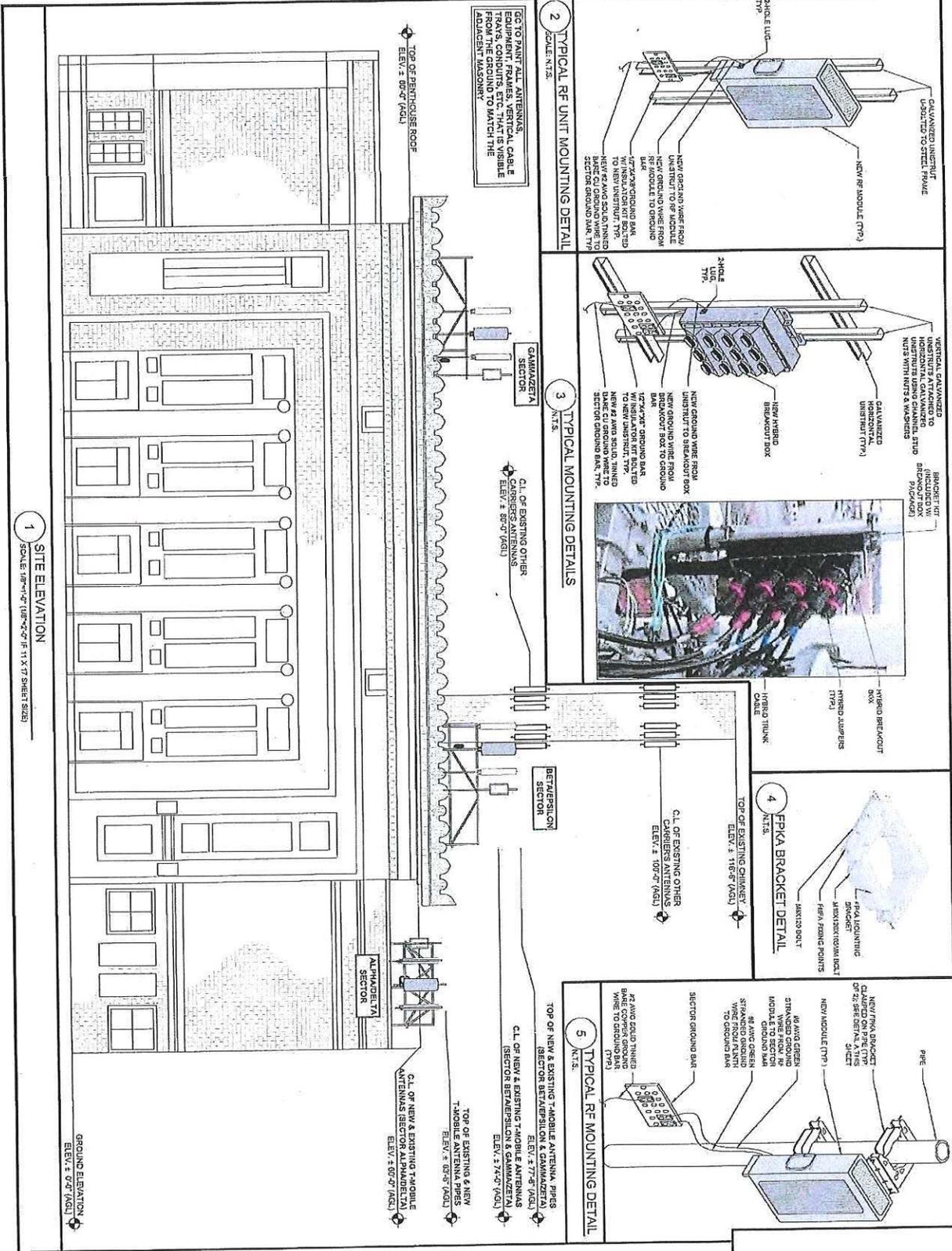
Mobile
T-MOBILE
1600 PINE PLAZA
SUITE 2000
CHICAGO, IL 60615
MAIN: (773) 844-4200

LCC
LCC TELECOM SERVICES, LLC
1110 N. LAUREL ST.
ROSEMONT, IL 60018
MAIN: (630) 520-0000

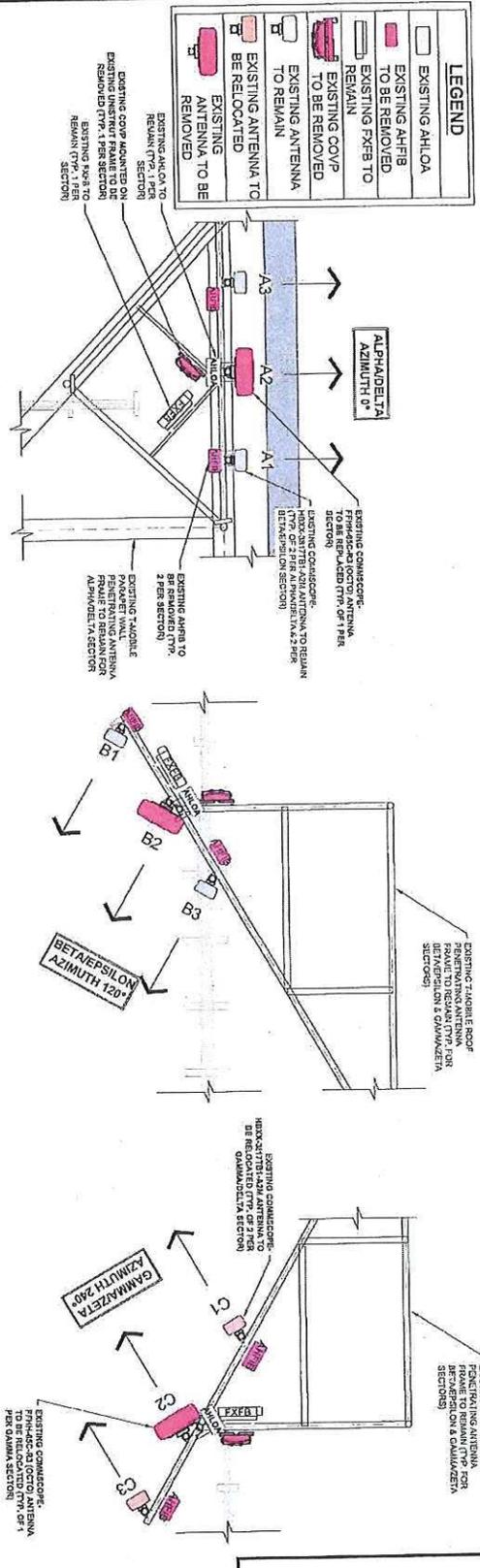
CONCORDIA ENGINEERING GROUP
3815 LAUREL AVE. SUITE 100
CHICAGO, IL 60658
MAIN: (773) 844-4200

PROJECT: 1600 PINE PLAZA
DATE: 08/19/2024
PROJECT: 1600 PINE PLAZA

DESIGN BY: MC CHECKED BY: CMB
CHECKED BY: NH APPROVED BY: DLS



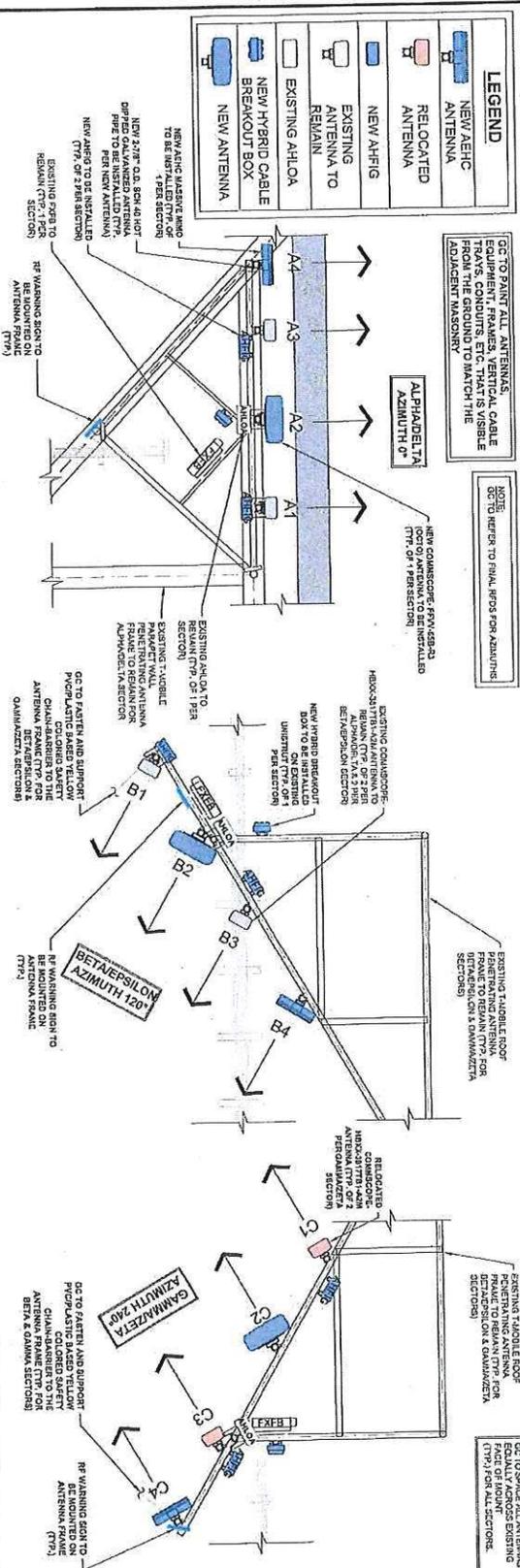
<p>MOBILE PLACE DOWNSIDE GROVE, IL 60515 MAIN: (773) 444-5400</p>	<p>THE LCC SYSTEMS 1001 TELECOM SERVICES, LLC 1001 TELECOM SERVICES, LLC ROSEMONT, IL 60018 MAIN: (631) 600-0000</p>	<p>CONCORDIA 201 BAYVIEW UNIT 100 MARIETTA, GA 30067 MAIN: (770) 390-0000</p>	<p>DESIGNER: KC / APPROVED BY: OMS</p> <p>CHECKED BY: RH / APPROVED BY: OMS</p>	<p>STATE OF ILLINOIS NATHAN FAMBRODER 2027 PE CIVIL RES. NO. 000000000000000000</p>	<p>CH41799A OFS THORP SCHOOL 6024 W. WARWICK AVE. CHICAGO, IL 60634</p>	<p>BUILDING ELEVATION & DETAILS</p>	<p>A-2</p>
			<p>CONCORDIA</p>			<p>CH41799A OFS THORP SCHOOL 6024 W. WARWICK AVE. CHICAGO, IL 60634</p>	<p>BUILDING ELEVATION & DETAILS</p>



1 EXISTING T-MOBILE ANTENNA CONFIGURATION



SCALE: N.T.S.



2 PROPOSED T-MOBILE ANTENNA CONFIGURATION



SCALE: 3/8\"/>

T-Mobile
 T-MOBILE
 1480 OPLUS PLACE
 DOWNERS GROVE, IL 60515
 MAIN: (773) 444-5400

LCC
 TELECOM SERVICES
 LCC TELECOM SERVICES, LLC
 1000 W. HIGHLAND RD., SUITE 500
 ROSEMONT, IL 60018
 MAIN: (817) 608-0000

concordia
 201 DAVENPORT LANE
 WILSON, ILLINOIS 60190
 MAIN: (815) 991-1900

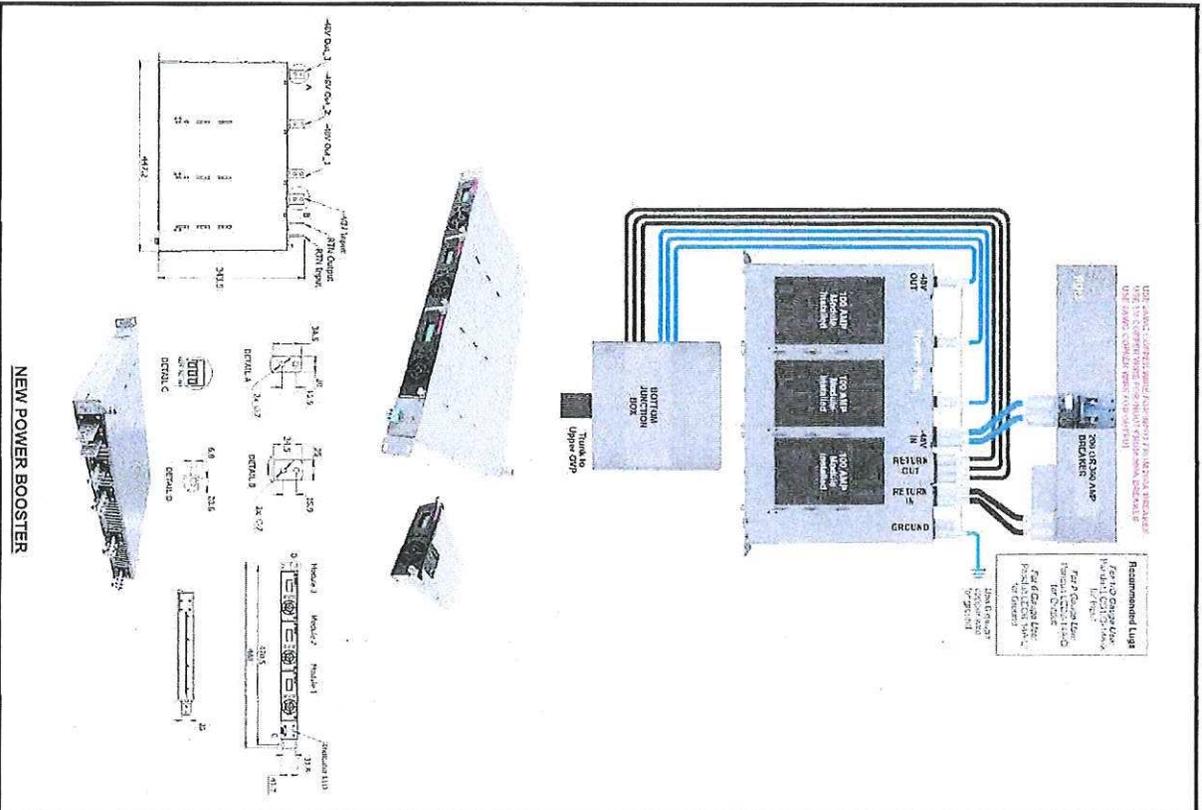
PROFESSIONAL DESIGN FIRM LICENSE # 3464628
 DRAWN BY: NC CHECKED BY: OMS
 CHECKED BY: RH APPROVED BY: OMS

STATE OF ILLINOIS
 HARRIS
 RABODER
 RABODER
 627 CHERRY ST
 CHICAGO, ILLINOIS 60605
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE # 042-000000

CH41799A
 OPS THORP SCHOOL
 6024 W. WARWICK AVE.
 CHICAGO, IL 60634

EXISTING & PROPOSED
 ANTENNA PLANS

A-2A



Nokia AirScale SM Indoor Technical Datasheet

Category	TC-Capacity (max) 4x4 MIMO, 2T2R, 1T1R, 1T2R, 1R2T
Maximum configuration	1) Capacity (max) 4x4 MIMO, 2T2R, 1T1R, 1T2R, 1R2T 2) Capacity (max) 4x4 MIMO, 2T2R, 1T1R, 1T2R, 1R2T
Maximum configuration	1) Capacity (max) 4x4 MIMO, 2T2R, 1T1R, 1T2R, 1R2T 2) Capacity (max) 4x4 MIMO, 2T2R, 1T1R, 1T2R, 1R2T
Indicators visible	Visual (LED) and audio (buzzer) indicators for power, temperature, and fan status
Dimensions	Height: 15.7 in (400 mm) (max) (incl. 1.8 GHz LTE sub-rack)
Module depth	447 mm (17.6 in) (max) (incl. 1.8 GHz LTE sub-rack)
Weight	11.2 kg (24.7 lb) (max) (incl. 1.8 GHz LTE sub-rack)
Operating temperature range	0°C to 40°C (32°F to 104°F)
Power consumption	1) Power (max) 1.5 kW (incl. 1.8 GHz LTE sub-rack) 2) Power (max) 1.5 kW (incl. 1.8 GHz LTE sub-rack)

Minimum configuration (1x BTS)

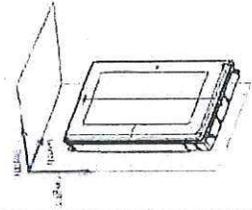
Minimum configuration (2x BTS, 1 BTS per half sub-rack)

Maximum AirScale SM Indoor configuration (1.8 GHz, 1 BTS per half sub-rack)

<p>T-Mobile 4800 CHRYSLER PLACE DOWNSIDE CHICAGO, IL 60616 MAIN: (773) 444-5400</p>	<p>TELEPOINT SERVICES LCC 10700 W. JACOBS RD. SUITE 240 ROSEMONT, IL 60018 MAIN: (630) 553-6520</p>	<p>301 N. WASHINGTON AVE. SUITE 200 MENARD, ILLINOIS 62450 PH: (618) 937-2222</p>	<p>STATE OF ILLINOIS JAMES R. HANCOCK COMMISSIONER 2017 875 CHAS. ST. SPRINGFIELD, IL 62701</p>	<p>CH41799A OPS THORP SCHOOL 6024 W. WARWICK AVE. CHICAGO, IL 60634</p>	<p>NEW EQUIPMENT SPECIFICATIONS</p>	<p>A-4</p>
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PRODUCT DESCRIPTION

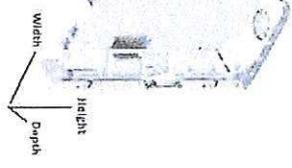
Band	B21 - 2495-2590 MHz
Supported Modulation Schemes	LDL, TBSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1UL, EPSK, QPSK, 16 QAM, 64 QAM
No. of TX/RX	5-TX&4-RX
MIMO Streams	16
Instantaneous RBW	194 MHz
Occupied Bandwidth (RBW)	190 MHz
Total Avg EIRP	74.8 dBm
Supported bandwidths	LTE: 3.20 MHz; 5G: 40/60/80/100MHz
Output Power	5 W / TRX (330 W total, 2 W/MHz up to 160 MHz)
Power Consumption	41330 W typical (75% DL duty cycle, 30% RF load) 41827 W max (75% DL duty cycle, 100% RF load)
Optical Ports	4 x SFP22 (OC15), 25 Gbps, SFPRI
Connector Type	APFC DC Pole connector
Dimensions (H x W x D)	38.2 in x 21.5 in x 5.9 in
Weights lbs	109.0 lb
H/W/SW Availability	SRAN20C/S620B
5G NR Support	Yes
Material Description	Nokia AirScale MAA 64T6AR-192AE BA1 320W AEHC



NOKIA AIRSCALE MAA 64T6AR 192AE BA1 320W AEHC ANTENNA AEHC-275124

PRODUCT DESCRIPTION

Band	B25 + B66
Instantaneous BW (DL/UL)	65MHz on Band 25, 80MHz on Band 66
Supported Modulation Schemes	up to 64QAM (UL) and up to 256QAM (DL)
Supported bandwidths	LTE 1.4, 3.5, 10, 15, 20 MHz 4T4R
No. of ports	80 W for Band 25 and 40 W for Band 66 (Total Power is 480W) Terminal block
Output Power	80 W for Band 25 and 40 W for Band 66 (Total Power is 480W) Terminal block
DC connector	2 x 9.8Gbps CR1, R2CT IP seal
Optical Fiber connector	4, 3-10+
RF Connector	AISG on all ports, DC on ANTT and ANT3
AISG	70.5 without cover
Dimensions (H x W x D) in	27.3 x 12.1 x 5.2
Weight lbs	Available now - SRAN15A
H/W/SW Availability	YES
5G NR Support	YES (in band, guardband, standalone)
NR-IoT Support	YES (in band, guardband, standalone)



AHFIG



FFV-65B-R3-V1
8-port sector antenna, 4x 617-894 and 4x 1695-2690 MHz, 65° HPBW, 3x RET

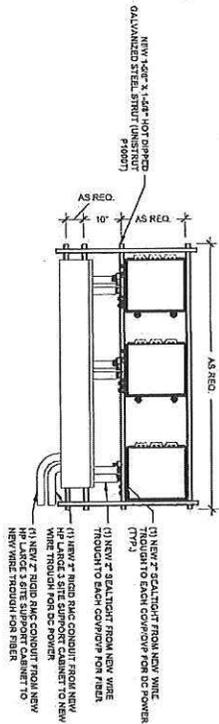
General Specifications

Operating Frequency Band	1695 - 2690 MHz 617 - 894 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage
Total Input Power, maximum	900 W @ 50 °C

Dimensions

Length	1828.0 mm 72.0 in
Width	640.0 mm 25.2 in
Depth	235.0 mm 9.3 in
Net Weight, without mounting kit	45.5 kg 100.3 lb

NEW ANTENNA (COMMSCOPE-FFV-65B-R3-V1)



COVER/UP UNISTRUTS FRAME ELEVATION DETAIL



T-MOBILE
1400 ORVIS PLACE
DOWNERS GROVE, IL 60515
NAXN: (773) 444-8000



TELECOM SERVICES
LCC TELECOM SERVICES, LLC
10700 W. HENSING RD, SUITE 200
ROSEMONT, IL 60018
NAXN: (630) 252-5250



PROFESSIONAL DESIGNER/REGISTERED ARCHITECT
341 RANGER RD, UNIT 107
CHICAGO, ILLINOIS 60618
PHONE: (773) 979-7000

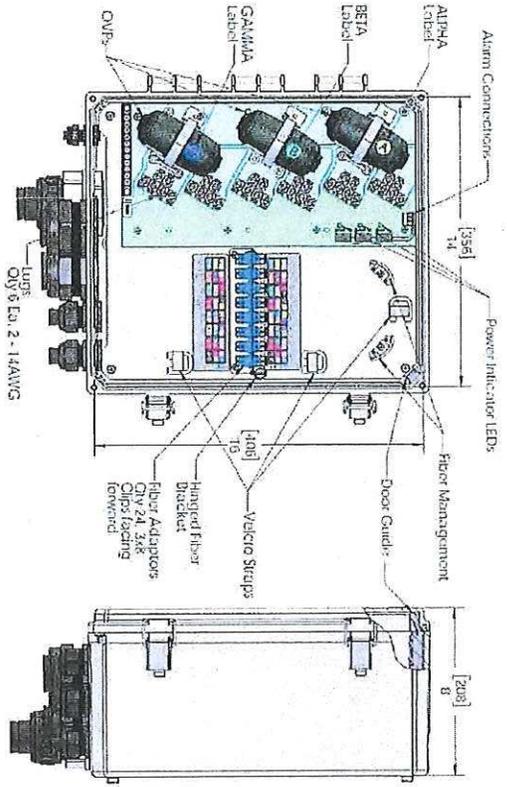
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DRAWN BY: N/C CHECKED BY: OMS

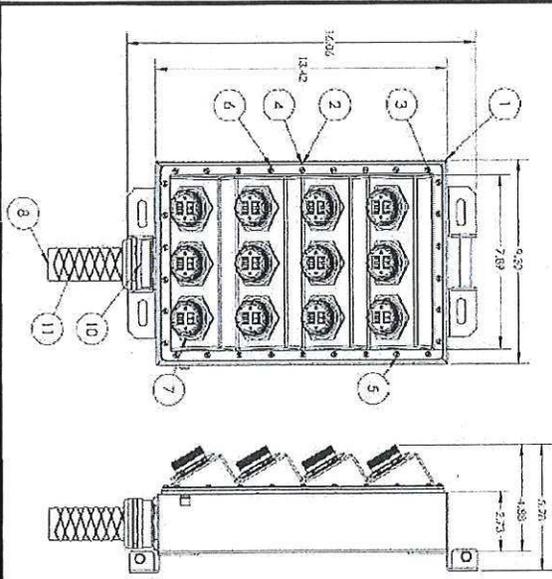
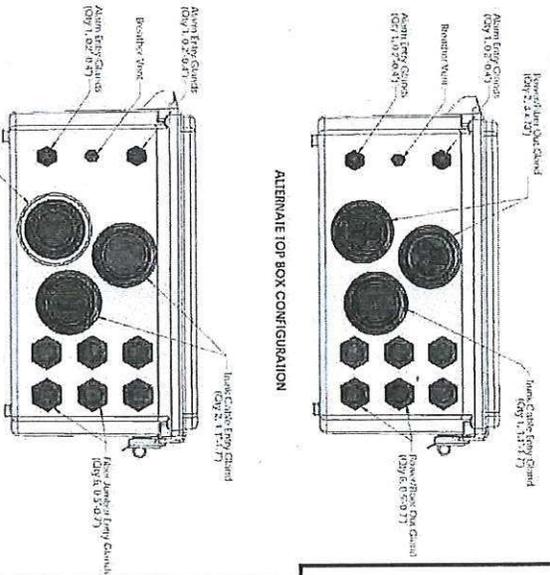


CH41789A
CPS THORP SCHOOL
6024 W. WARWICK AVE.
CHICAGO, IL 60634

NEW EQUIPMENT SPECIFICATIONS
A-4A



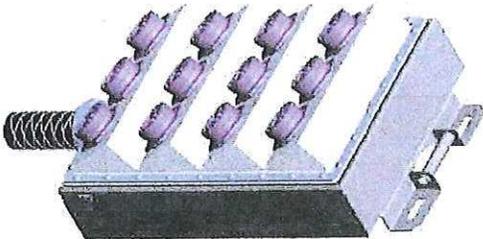
RTMDC-5634-PF-48 TOWER OVP/FIBER JUNCTION BOX



NOTE:
1. TOTAL VOLUME IS MAX 480.6 CUBIC INCH.

ITEM NO.	PART NUMBER	DESCRIPTION	AC DISTS, 48P, SHROUDED
1	AC DISTS 24P-DC	IP SHEETMETAL BOX	1
2	AC-CNTD-FB-H-CAP	CASNET EPDM	1
3	AC-FS-FRONT-ASTEP-SCON	HYBRID MODULE INCLINE MOUNT THERMO-SHELL	1
4	AC-STBOS-HICAP	METAL O-RING	30
5	3EG5147 (V) 0125	WASHER	30
6	3CGMR3050U9	TAMPERED PROOF #6-32 SCREW	30
7	CF-9729650-101 100 W/LC	JAM NUT RECEIVABLE	12
8	1A5U9325TYR02	HYBRID CABLE H-CAP	1
9	4223342	LOCKNUT FOR CABLE GLAND	1
10	4223342	CABLE GLAND	1
11	HQD12 CRP	CABLE HOIST GRIP	1

HYBRID CABLE HIGH-CAP BREAKOUT BOX



T-Mobile

T-MOBILE
1400 ORVIS PLACE
DOWNERS GROVE, IL 60515
MAIL: (708) 444-5800

LCC

TELECOM SERVICES
LCC TELECOM SERVICES, LLC
6705 W. HOGANS RD, SUITE 240
MARIETTA, GA 30067
MAIL: (877) 655-6000

Concordia
301 RAYOR RD, SUITE 101
CANTON, IL 61824
MAIL: (618) 242-5000
PROFESSIONAL SERVICE REPRESENTATIVE # 1448692

DRAWN BY: KC
CHECKED BY: RMI
APPROVED BY: GMS



OH41789A
CPS THORP SCHOOL
6024 W. WARRICK AVE
CHICAGO, IL 60634

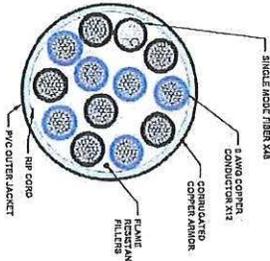
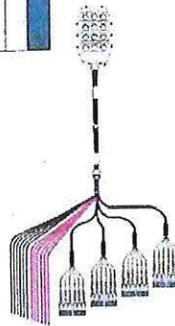
NEW EQUIPMENT
SPECIFICATIONS

A-4B

HybridConnect

NWS-HCS2-HC4-XXX HCS 2.0 Trunk HiCap 12 RRU 12XA4WG

General Specifications		
Nominal OD	1210µm (47.63 mil)	
Cable Weight	2350 lb/mil (3650 kg/km)	
Jacket Color	Black	
Minimum Bend Radius - Installed	16.25"	
DC Cable Specifications		
DC Rate	5	
DC Conductor Size	4 AWG	
DC Resistance Maximum	0.234 Ohm/1000 ft.	
Insulation Thickness	31 mil (0.79 mm)	
Insulation Material	Material to be determined	
Product Coding		
Part Number	Description	TC-able to SRU
NWS-HCS2-HC4-250	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 250 FT	TRD
NWS-HCS2-HC4-375	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 375 FT	TRD
NWS-HCS2-HC4-500	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 500 FT	TRD
NWS-HCS2-HC4-625	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 625 FT	TRD
NWS-HCS2-HC4-750	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 750 FT	TRD
NWS-HCS2-HC4-875	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 875 FT	TRD
NWS-HCS2-HC4-1000	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1000 FT	TRD
NWS-HCS2-HC4-1125	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1125 FT	TRD
NWS-HCS2-HC4-1250	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1250 FT	TRD
NWS-HCS2-HC4-1375	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1375 FT	TRD
NWS-HCS2-HC4-1500	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1500 FT	TRD
NWS-HCS2-HC4-1625	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1625 FT	TRD
NWS-HCS2-HC4-1750	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1750 FT	TRD
NWS-HCS2-HC4-1875	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 1875 FT	TRD
NWS-HCS2-HC4-2000	HC 2.0 Trunk HiCap 12 RRU 12XA4WG 2000 FT	TRD



1 NEW HCS 2.0 TRUNK
NTS

COMMSCOPE

HFT410-ASNOK2-150 HELIX® FiberFeed® Hybrid Cable Assembly, HQLC

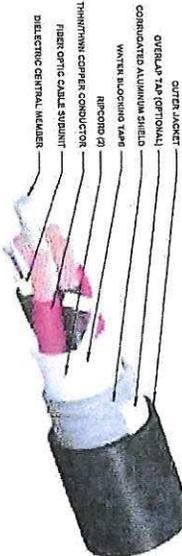
End 1: 4 fibers terminated DLC for Nokia RRU with flush cut power cord/black conductors). End 2: 4 fibers terminated LC and 4x10 AWG conductors terminated at hybrid trunk connector. 15 ft



Property	Value
Cord Length	4.57m (15.000 ft)
Diameter Over Jacket	18.31mm (0.721 in)
Cable Conductor Gauge	10 AWG
Minimum Bend Radius	227mm (8.901 in)

COMMSCOPE

HTC-4SM-410-APVA HELIX® FiberFeed® Hybrid Cable, UL Type TC-OF-ER



Description	Value
Buffer Tab/Subcut Diameter	3.556 mm (0.14 in)
Diameter Over Jacket	18.31mm (0.721 in)
Cable Conductor Gauge	10 AWG
Minimum Bend Radius, Multiple bends loaded	365.76 mm (14.4 in)
Minimum Bend Radius, Multiple bends loaded	220.09 mm (8.7 in)
Minimum Bend Radius, Multiple bends loaded	127 mm (5 in)
Cable Weight	456.12kg/km (1005.54lb)

2 NEW HYBRID JUMPER
NTS

Mobile

7000 B
DOWNSIDE PLACE
ROSEMONT, IL 60018
MAIN: (773) 444-5400

TELECOM SERVICES
COMMUNICATIONS LLC
10701 W. HODGINS RD. SUITE 940
ROSEMONT, IL 60018
MAIN: (630) 604-2500

concordia

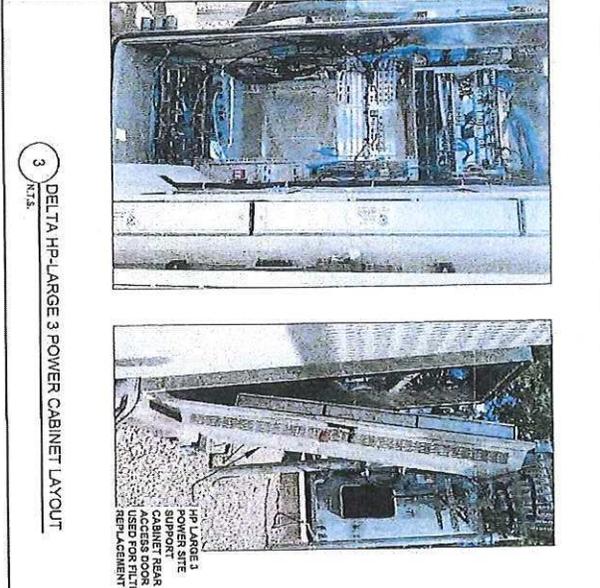
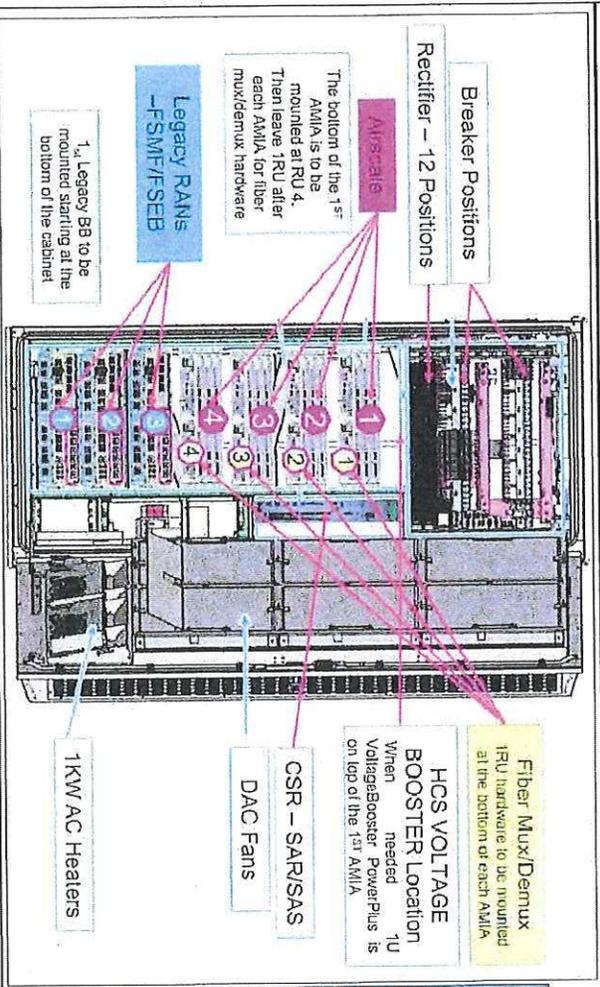
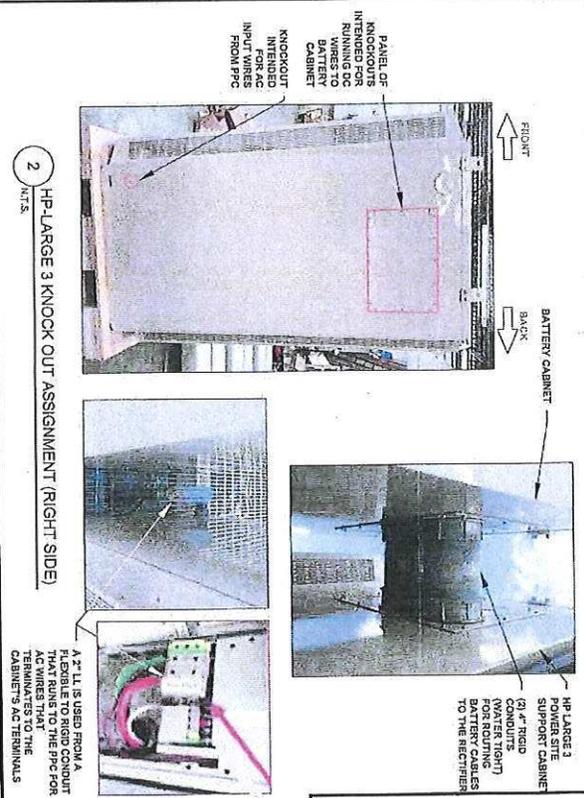
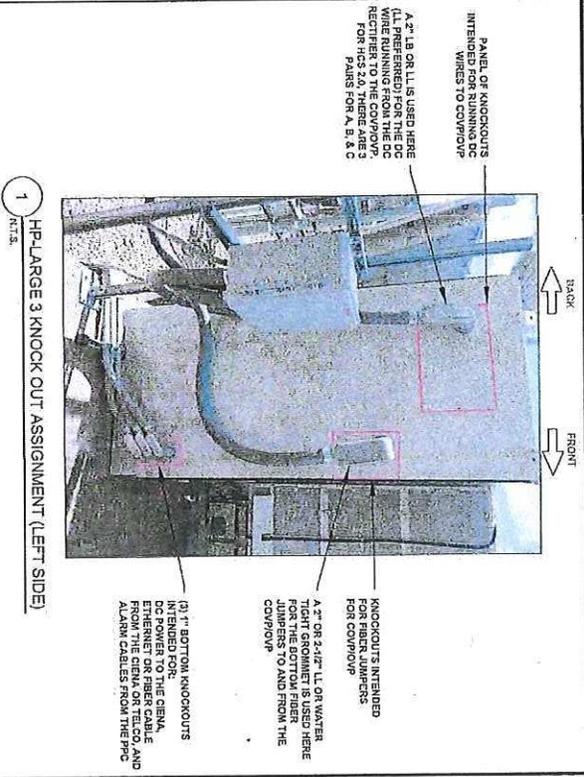
CONCORDIA GROUP OF COMPANIES

DESIGNED BY: XG CHECKED BY: DMS
DRAWN BY: HK APPROVED BY: DMS



CH41799A
OPS THORP SCHOOL
6024 W. WARRICK AVE.
CHICAGO, IL 60634

EQUIPMENT
SPECIFICATIONS
A-4C



<p>Mobile</p> <p>1-MODULE</p> <p>1400 OGDEN PLACE</p> <p>CHICAGO, IL 60615</p> <p>MAIN: (773) 444-5100</p>	<p>LCC</p> <p>THE TELECOM SERVICES, LLC</p> <p>1000 N. LAKE STREET, SUITE 200</p> <p>ROSEMOUNT, IL 60016</p> <p>MAIN: (631) 908-8200</p>	<p>Concordia</p> <p>380 BANGOR ROAD, SUITE 200</p> <p>MADEIRA PARK, ILLINOIS</p> <p>60131-1000</p> <p>PROFESSIONAL DESIGN PROFESSIONAL ENGINEER & SURVEYOR</p>	<p>DESIGNED BY: INC</p> <p>CHECKED BY: INC</p> <p>APPROVED BY: OWS</p>	<p>DATE: _____</p> <p>DATE: _____</p> <p>DATE: _____</p>	<p>STATE OF ILLINOIS</p> <p>MADE BY: _____</p> <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>NO. _____</p> <p>EXPIRES: _____</p>	<p>OH41799A</p> <p>CPS THORP SCHOOL</p> <p>8024 W. WARRICK AVE.</p> <p>CHICAGO, IL 60634</p>	<p>NEW EQUIPMENT SPECIFICATIONS</p> <p>A-4D</p>
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CONDUIT LEGEND

FO — FIBER OPTIC CONDUIT

E — ELECTRIC CONDUIT

EQUIPMENT LEGEND

NEW EQUIPMENT

EXISTING EQUIPMENT TO BE REMOVED

EXISTING EQUIPMENT TO BE RELOCATED

EXISTING EQUIPMENT TO REMAIN



PROPOSED EQUIPMENT LAYOUT

SCALE: 1/2"=1'-0" (1/2"=2'-0" @ 1:4, 1:7 SHEET SIZE)



UTILITY LEGEND

NO.	FROM	TO	WIRE QTY. & WIRE TYPE	GROUND	CONDUIT SIZE	FUNCTION	APPROXIMATE CONDUIT LENGTH
1	PIC	HP LANGE 3 SSC	(2) 30'S (2) 12'S	(1) #4 & (1) #12	2" THREADED L TYPE RIGID CONDUIT ON FRONT 2" KNEECUT OF SSC	ELECTRIC CONDUIT (POWER FOR SS OUTLET)	N/A
2	PIC	HP LANGE 3 SSC FROM FIBER	1 PAIR OF RIBBON FIBER	N/A	1" RIGID RMC	ELECTRIC CONDUIT	N/A
3	FIBER RACK4	HP LANGE 3 SSC	(1) CAT-6 CABLE	N/A	1" RIGID RMC	FIBER CONDUIT	N/A
4	FIBER RACK4	HP LANGE 3 SSC	(2) 12'S	(1) #4	1" RIGID RMC	ELECTRIC CONDUIT	N/A
5	HP LANGE 3 SSC	FIBER & POWER	3 PAIRS OF RIBBON FIBER & 3P GPR CABLE	N/A	2" RIGID RMC	ELECTRIC CONDUIT	22'
6	HP LANGE 3 SSC	HP LANGE 3 PULL BOX	POWER WIRE & FIBER	N/A	2" RIGID RMC	ELECTRIC CONDUIT	22'
7	HP LANGE 3 SSC	BATTERY 3 CABINET	24'S 4'S	N/A	4" RIGID RMC	TELECOM CONDUIT FOR BATTERY (ALARM)	N/A
8	HP LANGE 3 SSC	BATTERY 3 CABINET	4 PAIRS OF 24'S 4'S	(1) #10	4" RIGID RMC	ELECTRIC CONDUIT	N/A

NOTE: THE CONDUIT LENGTH GIVEN IS BASED ON THE DRAWING. A 10% THE EXACT LENGTH TO BE VERIFIED IN FIELD. OCTO VERIFY LENGTH AFTER CONSTRUCTION IN SERVICE UTILITY DRAWINGS.

IMPORTANT NOTE:

ALL UNSTRUCTURED FASTENERS, HANGERS, ETC. ARE TO BE EITHER HOT-DIP GALVANIZED OR SHALL BE STAINLESS STEEL. UNLESS OTHERWISE SPECIFIED, NOT USE SINK-IN OR PRE-GALVANIZED.

FIBER & POWER ROUTES TO BE CONFIRMED WITH FAVORABLE PRIOR TO CONSTRUCTION START.

BIDDING & CONSTRUCTION NOTE:

WIRE SIZES SHOWN ARE ESTIMATED MINIMUMS. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE BUILDING CODES IN ADDITION TO NEC 2011 AND FOLLOW WHICH EVER IS MORE CONSERVATIVE. CONTRACTOR SHALL ESTIMATE PROPER CONDUIT SIZE & UTILIZE THE "NEED" CONTRACTOR TO CONFIRM WITH LOCAL ELECTRICAL INSPECTOR PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO CONSTRUCTION START.

PROPOSED UTILITY PLAN

E-1

CH4-1798A
 OPS THORP SCHOOL
 6024 W. WARWICK AVE
 CHICAGO, IL 60634



Concordia

INTERNATIONAL DESIGN FIRM LIMITED, INCORPORATED

CONCORDIA

2700 W. LINDEN RD. SUITE 540
 ROSEMONT, IL 60018
 MAIN: (630) 520-8000

DESIGNED BY: KIC
 CHECKED BY: GMS

Mobile

7400 N. RIVER PLACE
 DOWNERS GROVE, IL 60515
 MAIN: (773) 444-6300

Mobile

EXHIBIT "B"

PAYMENTS

TERM	ANNUAL LICENSE PAYMENTS
<p style="text-align: center;">1</p> <p>September 1, 2023 – August 31, 2024 September 1, 2024 – August 31, 2025 September 1, 2025 – August 31, 2026 September 1, 2026 – August 31, 2027 September 1, 2027 – August 31, 2028</p>	<p style="text-align: right;">60,000.00 61,800.00 63,654.00 65,564.00 67,531.00</p>
<p style="text-align: center;">2</p> <p>September 1, 2028 – August 31, 2029 September 1, 2029 – August 31, 2030 September 1, 2030 – August 31, 2031 September 1, 2031 – August 31, 2032 September 1, 2032 – August 31, 2033</p>	<p style="text-align: right;">69,557.00 71,644.00 73,793.00 76,007.00 78,287.00</p>
<p style="text-align: center;">3</p> <p>September 1, 2033 – August 31, 2034 September 1, 2034 – August 31, 2035 September 1, 2035 – August 31, 2036 September 1, 2036 – August 31, 2037 September 1, 2037 – August 31, 2038</p>	<p style="text-align: right;">80,636.00 83,055.00 85,547.00 88,113.00 90,756.00</p>
<p style="text-align: center;">4</p> <p>September 1, 2038 – August 31, 2039 September 1, 2039 – August 31, 2040 September 1, 2040 – August 31, 2041 September 1, 2041 – August 31, 2042 September 1, 2042 – August 31, 2043</p>	<p style="text-align: right;">93,479.00 96,283.00 99,171.00 102,146.00 105,210.00</p>