

WEST PALM BEACH, FLORIDA LEGAL BUILDING	1450 CENTREPARK BLVD. WEST PALM BEACH, FL 33401	VOICE/DATA DESIGN
	Allstate You're in good hands.	Š
DWN: PT	A INC.	
CKD: J.J		
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SHEET TITI	.E:	
VOICE/I DETAILS		
DRAWING	NUMBER:	
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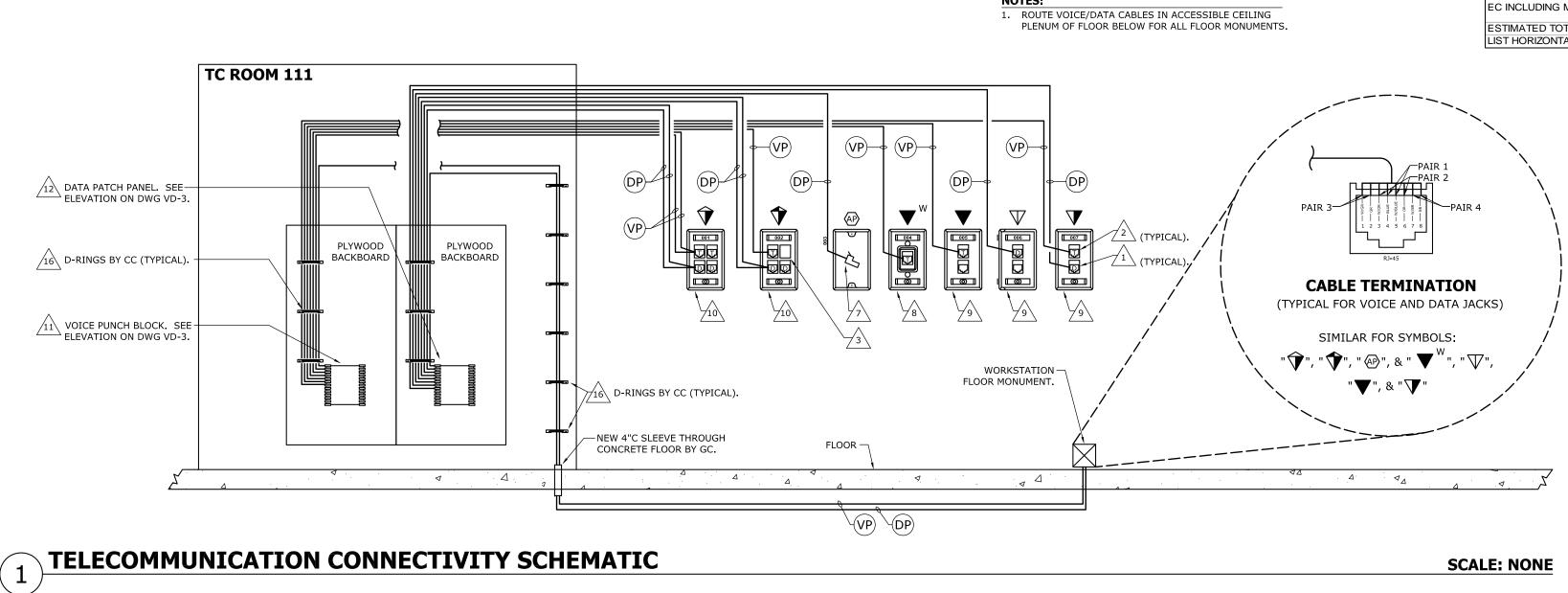
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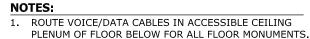
- C. PROVIDE ALL MISCELLANEOUS COMPONENTS FOR A COMPLETE CABLE TRAY

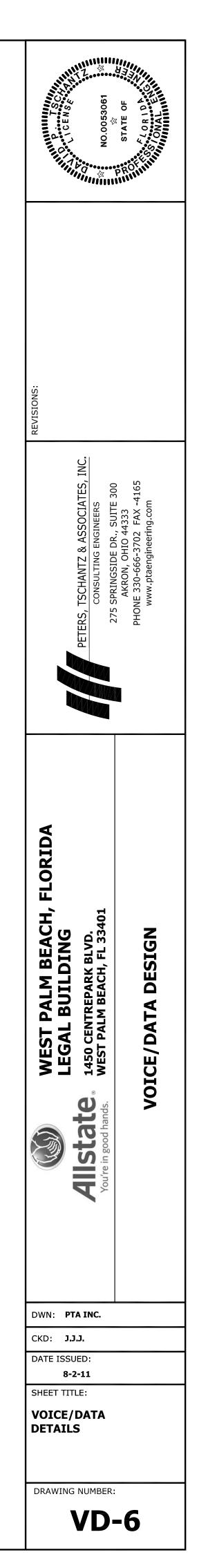
SCALE: NONE



	COMMUNICATIONS CABLE SCHEDULE			
TYPE	DESCRIPTION			
DP	DATA CABLE (PLENUM) - 4-PAIR CATEGORY 5E, 24 AWG, WITH WHITE OUTER JACKET.			
VP	VOICE CABLE (PLENUM)- 4-PAIR CATEGORY 5E, 24 AWG, WITH BLUE OUTER JACKET.			

TAG	DESCRIPTION	COLOR & FINISH	MFR & MODEL NUMBER	COMPONENT QUANTITY ESTIMATED BY BIDDING CONSTRUCTION
OPE OF THE BID TALL A (UANTITY RESPONSIBILITY: THE PURPOSE OF THE VOICE DATA EQUIPMENT BID FOR IS TO PROVIDE THE BIDDING CONTRACTOR WORK VIA DOCUMENTING THE EQUIPMENT QUANTITY TAKE-OFFS. IT SHALL ALSO PROVIDE THE OWNER WITH A METHOD OF CO DING CONTRACTOR ARE NOT ABSOLUTE. THE COMMUNICATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SYSTEM C OMPLETE AND OPERATIONAL SYSTEM AS IDENTIFIED WITHIN THE BID DOCUMENTS, WHETHER THE COMPONENT IS LISTED IN T OR WILL NOT BE PERMITTED TO CHARGE FOR ADDITIONAL LABOR OR MATERIAL COSTS SHOULD THERE BID FORM QUANTITIES B	OMPARING CONTRACTOR PR COMPONENTS, MATERIAL AN THE BID FORM OR NOT. THEF	OPOSALS. THE QUANTITIES SUBMITTED ID LABOR REQUIRED TO FURNISH AND	
	MODULAR 8-POSITION (RJ-45) UNIVERSAL CAT-5E EIA/TIA-568, NON-KEYED, UNSHIELDED JACK (FOR DATA)	WHITE	HUBBELL # HXJ5EW	
2	MODULAR 8-POSITION (RJ-45) UNIVERSAL CAT-5E EIA/TIA-568, NON-KEYED, UNSHIELDED JACK (FOR VOICE)	BLUE	HUBBELL # HXJ5EB	
3	KEYSTONE SINGLE JACK BLANK INSERT FOR UNUSED WALL PLATE OPENINGS (PACK OF 10)	WHITE	HUBBELL # SFBW10	
\wedge	SNAP-IN IDENTIFICATION ICONS FOR DATA/VOIP JACKS (PACK OF 100)	WHITE	HUBBELL # IW100C	
4	SNAP-IN IDENTIFICATION ICONS FOR VOICE JACKS (PACK OF 100)	BLUE	HUBBELL # IB100T	
$\sqrt{6}$	JACK DUST COVER FOR ALL RJ-45 JACKS INSTALLED WITHIN FLOOR MONUMENTS	N/A	HUBBELL # HXJDC25	
7	MODULAR 8-POSITION (RJ-45) UNIVERSAL CAT-5E E1A/T1A-568, NON-KEYED, UNSHIELDED PLUG (PACK OF 25)		HUBBELL # BRMOD4PSN25	
8	1-PORT, 1-GANG WALL PHONE FACEPLATE	STAINLESS STEEL	HUBBELL # P630SR1GJ8	
	2-PORT, 1-GANG LOW PROFILE FACEPLATE 4-PORT, 1-GANG LOW PROFILE FACEPLATE	WHITE	HUBBELL # IFP12W HUBBELL # IFP14W	
10	4-FORT, 1-GAING LOW FROFILE FACEFLATE	WHITE	HUBBELL # IFF 14W	
11	110 STYLE / 300 PAIR (288 USABLE), WALL MOUNTING PUNCHBLOCK ASSEMBLILY WITH "C4" CONNECTING BLOCKS (FOR VOICE STATION CABLE TERMINATIONS)	IVORY	SIEMON # S110AB2-300FT	
	110 STYLE / 144 PAIR, WALL MOUNTING PUNCHBLOCK ASSEMBLY WITH 36, RJ-45, CAT-5E EIA/TIA-568A JACKS	BLACK	ORTRONICS # OR-851044562	
12	(FOR DATA TERMINATIONS)			
13	19"W X 84"H X 24" DEEP 2-POST RACK WITH STEEL FRAME AND RAILS WITH EIA MOUNTING PATTERN (MIGHTY MO-III)	BLACK	ORTRONICS # OR-60400169	
14	19"W X 3-1/2"H (2U) HORIZONTAL CABLE MANAGEMENT BRACKET	BLACK	HUBBELL # HC219ME6N	
15	6"W X 83" HIGH VERTICAL CABLE MANAGEMENT BRACKET	BLACK	HOMACO # VO-84-T6E	
16	4" WIDE WALL/FLOOR MOUNTING CLOSED LOOP SQUARE METAL D-RINGS.	GRAY	SENIOR INDUSTRIES # SI-4754	
17	3/4"W X 12" LONG PLENUM RATED VELCRO CABLE MANAGEMENT TIE-STRAPS (PACK OF 10)	BLACK	PANDUIT # HLSP3S-X0	
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/18	METAL J-HOOK CABLE SUPPORT DEVICE WITH 3/4" DIAMETER LOOP (PACK OF 100)			
19	METAL J-HOOK CABLE SUPPORT DEVICE WITH 2" DIAMETER LOOP (PACK OF 50)	GALVANIZED METAL	ERICO/CADDY: CABLECAT # CAT32	
20	ADJUSTABLE CLOTH CABLE SUPPORT WRAP FOR UP TO 425 4-PAIR CAT 5E CABLES (PACK OF 20)	BLACK	ERICO/CADDY: CABLECAT # CAT425	
21	18"W X 1-1/2" HIGH STEEL CABLE LADDER TRAY WITH POWDERCOAT FINISH FOR OVERHEAD CABLE MANAGEMENT	FLAT BLACK	B-LINE # SB-17-18-FB	
22	CABLE LADDER TRAY C-CHANNEL BRACKET CEILING SUPPORT KIT	BLACK	B-LINE # SB-2116-ABZ	
23	CABLE LADDER TRAY ANGLE BRACKET WALL SUPPORT KIT	FLAT BLACK	B-LINE # SB-2113-18-FB	
24	CABLE LADDER TRAY GROUNDING STRAP	COPPER	B-LINE # SB-669-1X7 3/4	
25	CABLE LADDER TRAY / RACK SUPPORT BRACKET (ONE PER 19" RACK)	BLACK	ORTRONICS # OR-60400429	
26	CABLE LADDER TRAY SUPPORT BRACKET PLATE (ONE PER 19" RACK)	BLACK	ORTRONICS # OR-60400430	
27	5-CHANNEL MONITOR PANEL WITH 3" SPEAKER	BLACK	ATLAS SOUND # MVX-193	
28	2-CHANNEL DSP SOUND MASKING GENERATOR	BLACK	ATLAS SOUND # ASP-MG24	
29	SOUND MASKING SPEAKER	WHITE	ATLAS SOUND # M1000-W	
30	2-CHANNEL AMPLIFIER	BLACK	CROWN # CTS-600	
31	4"x12"x1/4" COPPER TELECOMMUNICATIONS GROUND BUS BAR	COPPER	HARGER # TGBI-14412TMGB	
	# 6 AWG COMPRESSION TYPE TWO-HOLE GROUNDING LUG (FOR BONDING TO RACKS, OVERHEAD CABLE LADDER TRAY,	COPPER	PANDUIT # LCC6-14JAW-L	
/32	CABINET OR CONSOLES, ETC.)			
33	FIRE STOPPING MATERIAL	RED	HILTI # WL1054	
34	4" FIRE STOPPING SPEED SLEEVE WITH ADJUSTABLE IRIS	RED	HILTI # CP653	
	VOICE/DATA CABLE SCHEDULE			
TAG	DESCRIPTION	COLOR & FINISH	MFR & MODEL NUMBER	
DP VP	CAT-5E, 4-PAIR #24 AWG WITH PLENUM RATED OVERALL JACKET (FOR DATA) CAT-5E, 4-PAIR #24 AWG WITH PLENUM RATED OVERALL JACKET (FOR VOICE)	BLUE	BERK-TEK LANMARK 350 # 10032072 BERK-TEK LANMARK 350 # 10032065	
	PATCH CORD SCHEDULE			
TAG	DESCRIPTION	COLOR & FINISH	MFR & MODEL NUMBER	
P1 P2	10-FOOT CAT-5E UTP PATCH CORD (FOR DATA AT RACK) - ASSUME 72 FOR BID 10-FOOT CAT-5E UTP PATCH CORD (FOR VOICE AT RACK) - ASSUME 68 FOR BID	BLUE	HUBBELL # PCX5EW10 HUBBELL # PCX5EB10	
P3	15-FOOT CAT-5E UTP PATCH CORD (FOR VOICE/DATA AT WORKSTATIONS) - 72 FOR BID	WHITE	HUBBELL # PCX5EW15	
	SOUND MASKING CABLE SCHEDULE			
TAG S	DESCRIPTION 2-PAIR #16 AWG WITH PLENUM RATED OVERALL JACKET (FOR SOUND MASKING)	COLOR & FINISH GRAY	MFR & MODEL NUMBER WEST PENN # 25245B	
			TOTALS TO BE LISTED BY BIDDING	
	BID PRICING REQUIREMENTS		CONTRACTOR	
	AL SELL PRICE INCLUDING CAT 5E SYSTEM WITH ALL LABOR, PERMITS AND PATCH CORD INSTALLATION BREAK-OUTS			
EAK-OUT	VOICE/DATA SYSTEM LABOR ONLY			
	VOICE/DATA MATERIAL ONLY SOUND MASKING SYSTEM LABOR ONLY			
EAK-OU1	SOUND MASKING SYSTEM MATERIAL ONLY			
ICE/DAT	# 1: (VOICE/DATA OUTLET) PROVIDE THE COST FOR ALL LABOR AND MATERIALS TO ADD/DEDUCT ONE TYPICAL 2-PORT, 2 JACK, OUTLET. THIS COST SHALL ASSUME 300-FEET OF CABLE LENGTH FROM THE TC ROOM TO THE WORK AREA OUTLET. ADDITIO UDING OUTLET BOX, CONDUIT STUB TO ACCESSIBLE CEILING SPACE, SUPPORTS, BUSHINGS, ETC. SHALL BE QUOTED SEPARA	NAL WORK REQUIRED BY		
	# 2: (FLOOR MONUMENT) PROVIDE THE COST FOR ALL LABOR AND MATERIALS TO ADD/DEDUCT ONE TYPICAL 2 JACK, 2 CABLE IIS COST SHALL ASSUME 300-FEET OF CABLE LENGTH FROM THE SERVER TC ROOM TO THE WORK AREA OUTLET. ADDITIONAL			





TC ROOM READY NOTES:

- 1. TC ROOM MUST BE READY FOR THE OWNERS IT EQUIPMENT 2 WEEKS PRIOR TO MOVE IN. 2. TC ROOM "READY FOR ALLSTATE" IS DEFINED AS: GC AND GC MANAGED SUBS INCLUDING EC AND MC RESPONSIBILITY
- A. ALL WALL AND FLOORING FINISHES COMPLETE.
- B. WALL MOUNTED PLYWOOD COMPLETE.
- C. ROOM IS CLEAN AND DUST FREE. INCLUDES REMOVAL OF DUST FROM RACKS AND CABINETS.
- D. DOOR IS LOCKABLE.
- E. AC COOLING SYSTEM OPERATIONAL AND RUNNING WITH THE STARTUP CERTIFICATION COMPLETE BY MANUFACTURER. NOTE: FILTERS SHOULD BE REPLACED PRIOR TO TURNOVER.
- E UPS SYSTEM INSTALLED ALL BRANCH POWER FEEDERS AND RACK PLUG STRIPS INSTALLED AND SYSTEM OPERATION WITH CERTIFICATION STARTUP COMPLETE.
- G. PRIOR TO SCHEDULING LIEBERT GLOBAL SERVICES FOR UPS START-UP. THE
- FOLLOWING ITEMS SHOULD BE COMPLETED:
- (1) PERMANENT BUILDING POWER IS AVAILABLE (2) ALL UPS INPUT CONDUITS AND OVER-CURRENT PROTECTION HAVE BEEN INSTALLED
- (3) THE UPS IS INSTALLED IN ITS FINAL LOCATION AND ALL FINAL OUTPUT CONNECTIONS HAVE BEEN INSTALLED
- (4) NO OTHER CONTRACTORS SHALL BE ALLOWED WITHIN THE TC ROOM DURING
- UPS START-UP (5) IF A LIEBERT CE IS DELAYED IN PERFORMING THE UPS START-UP DUE TO ANY OF
- THE ITEMS ABOVE, THE EC SHALL BE FINANCIALLY RESPONSIBLE. (6) CONTACT THE UPS VENDOR TO SCHEDULE DELIVERY OF THE UPS TO THE SITE. CONTACT: JOHN KAROL, PHONE: 847-541-1129 EXT. 245.
- H. ALL PERMANENT LIGHTING COMPLETE
- I. CONDUIT PENETRATIONS AND FIRE STOPPING COMPLETE.
- J. GROUND BUS BAR INSTALLED.
- K. FIRE PROTECTION SYSTEMS COMPLETE AND TESTED.
- 3. ALLSTATE MANAGED CC RESPONSIBILITY:
- A. ALL HORIZONTAL CABLING TO THE WORK AREA OUTLET INSTALLED AND TESTED. B. ALL RACKS AND WIRE MANAGEMENT INSTALLED.
- C. BRANCH GROUNDING CONDUCTORS INSTALLED.
- D. PATCH CORDS ON-SITE AND PACKAGE LABELED.
- 4. THE GC SHALL NOTIFY THE ALLSTATE PROJECT MANAGER OF ENGINEER IMMEDIATELY IF WORK CANNOT BE COMPLETED PRIOR TO THE DATES INDICATED

TELECOMMUNICATIONS SPECIFICATIONS

- 1 PROJECT DESCRIPTION A. THIS PROJECT INVOLVES THE BUILD OUT OF THE ALLSTATE WEST PALM BEACH. FL BUILDING AT 1450 CENTREPARK BLVD, WEST PALM BEACH, FLORIDA. THE SCOPE OF THESE DOCUMENTS ARE LIMITED TO THE TELECOMMUNICATIONS SYSTEM FOR VOICE/DATA
- 2. CODES AND STANDARDS: ALL MATERIALS AND INSTALLATION SHALL COMPLY WITH THE NATIONAL AND LOCAL CODES AND LAWS OF THE FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION.

APPLICABLE CODES:

- NATIONAL ELECTRICAL CODE (NEC-2011).
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).
- INTERNATIONAL BUILDING CODE (IBC) 2009
- ELECTRONICS INDUSTRIES ASSOCIATION (EIA) SECTIONS: 568B, 1, .2, .3, 568A-REV.5, 569, 606, 607, 526-14, TSB-72 AND TSB-95, INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) / INTERNATIONAL
- ELECTROTECHNICAL COMMISSION (IEC) 11801 GENERAL REQUIREMENTS:
- A. ALL PRODUCTS AND MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE, AND SHALL BE CLEAN AND FREE OF DEFECTS, DAMAGE AND CORROSION.
- B. ALL PRODUCTS AND MATERIALS SHALL BE LISTED AND LABELED BY UL, CSA, ETL, OR ANOTHER CERTIFIED TESTING LABORATORY
- C. THE EC AND CC IS RESPONSIBLE FOR OBTAINING AND PAYMENT OF ALL PERMITS. INSPECTIONS, TESTS, ETC., NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED TO OBTAIN CERTIFICATE OF OCCUPANCY
- D. THE EC AND CC SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY FIELD CONFLICTS, UNSUITABLE MATERIALS, DIMENSIONAL INCONSISTENCIES WHICH AFFECT THE DESIGN INTENT AND/OR FUNCTIONALITY OF THE ELECTRICAL
- E. THE EC AND CC SHALL INCLUDE PROVISIONS FOR PREMIUM TIME WORK FOR ANY
- REQUIRED SHUTDOWNS. INCLUDE PREMIUM TIME HOURLY RATE IN BID. F. THE EC AND CC SHALL PROVIDE A WRITTEN, ONE YEAR GUARANTEE OF ALL WORK
- AND MATERIAL UPON PROJECT COMPLETION AND ACCEPTANCE. G. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL BUILDING
- STANDARDS, RULES AND REGULATIONS.
- H. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR: ROOM NAMES AND NUMBERS.
- MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES. DIMENSIONS AND FINAL LOCATIONS OF FURNITURE AS RELATED TO (3)
- ELECTRICAL DEVICES. I. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. ALL CONDUIT, JUNCTION BOXES, HANGERS, SUPPORT CHANNELS, ETC, SHALL BE INSTALLED STRAIGHT AND/OR PERPENDICULAR TO BUILDING CONSTRUCTION. SPECIAL CARE SHALL BE TAKEN TO ALIGN HANGING DEVICES AT EXPOSED "OPEN" CEILINGS.
- 4. CONTRACTOR REQUIREMENTS:
- A. THE CC MUST BE PRE-QUALIFIED BY ALLSTATE. UNSOLICITED BIDS WILL NOT BE ACCEPTED B. THE BIDDING CONTRACTOR MUST BE CERTIFIED IN ONE OF THE FOLLOWING
- SOLUTIONS: (1) SUREBIT - HUBBELL/MOHAWK
- (2) NETCLEAR BERK-TEK/ORTRONICS
- C. THE CC MUST EMPLOY A BICSI CERTIFIED RCDD (REGISTERED COMMUNICATION DISTRIBUTION DESIGNER). D. NOTE: THIS PROJECT DOES NOT REQUIRE VENDOR CERTIFICATION. THE ABOVE
- CERTIFICATION REQUIREMENT IS FOR CONTRACTOR QUALIFICATION PURPOSES
- 5. ACCEPTANCE OF MATERIAL: A. THE CC SHALL INCLUDE THE MISCELLANEOUS LABOR AND MANAGEMENT TIME TO ACCEPT DELIVERY OF THE MATERIAL INCLUDED WITHIN THE VOICE/DATA DRAWINGS AND SAFELY STORE THIS EQUIPMENT ON THE CONSTRUCTION SITE OR
- AT THEIR WAREHOUSE B. ADDITIONAL TRANSPORTATION COSTS FOR RELOCATING THIS EQUIPMENT AFTER RECEIPT BY THE CONTRACTOR THE MATERIAL IS THE CONTRACTORS RESPONSIBILITY
- C. PHASING OF MATERIAL QUANTITIES AND DELIVERY COORDINATION WILL ALSO BE THE RESPONSIBILITY OF THE CC. 6. CABLE MANAGEMENT:
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SUPPORTING AND MANAGING ALL EXPOSED AND CONCEALED VOICE/DATA CABLING. THE HORIZONTAL CABLING SHALL BE ROUTED IN THE ACCESSIBLE CEILING (1) PLENUM AND BELOW THE STRUCTURAL FLOOR IN THE ACCESSIBLE CEILING PLENUM OF THE FLOOR BELOW. THESE CABLE ROUTES SHALL BE INSTALLED
- ADJACENT TO ELECTRIC HOMERUNS AND PARALLEL TO FLOOR BUILDING
- ALL CABLES INSTALLED IN THE ACCESSIBLE CEILING PLENUM SHALL BE (2) SUPPORTED VIA METAL J-HOOKS SECURED TO THE STRUCTURAL CEILING
- (3) THE MAXIMUM J-HOOK SPACING IS 4-FEET. THE MAXIMUM NUMBER OF 4-PAIR
- CABLES PER J-HOOK IS 16 (3/4" HOOK) AND 80 (2" HOOK). WHERE CABLE QUANTITIES EXCEED 2" J-HOOK CAPACITY, CLOTH HANGERS (4)
- SHALL BE USED. THE MAXIMUM NUMBER OF 4-PAIR CABLES PER CLOTH HANGER IS 425. VELCRO STRAPS SHALL BE USED AT ALL EXPOSED CABLE LOCATIONS WITHIN (5)
- THE TC ROOM. PLASTIC TIE-WRAPS SHALL NOT BE USED. VELCRO STRAPS SHALL BE USED TO SECURE CABLES TO EVERY OTHER (6) J-HOOK AND AT EVERY CHANGE IN CABLE DIRECTION. PLASTIC TIE-WRAPS SHALL NOT BE USED.
- 7. WORK AREA CONNECTIVITY REQUIREMENTS:
- A. WALL MOUNTED PHONE OUTLETS: ONE (1) VOICE RJ-45 OUTLET. B. LITTCO MONUMENT OUTLETS: ONE (1) DATA RJ-45 JACK AND ONE (1) VOICE RJ-45
- C. TYPICAL WALL MOUNTED VOICE/DATA OUTLETS (EXCLUDING TRAINING ROOMS 105
- & 108): ONE (1) DATA RJ-45 JACK AND ONE (1) VOICE RJ-45 JACK.
- D. TRAINING RM 105 VOICE/DATA OUTLETS: TWO (2) DATA RJ-45 JACKS AND TWO (2) VOICE RJ-45 JACKS.
- E. TRAINING RM 108 VOICE/DATA OUTLETS: TWO (2) DATA RJ-45 JACKS AND ONE (1) VOICE RJ-45 JACK.
- F. ALL STATIONS TO BE TERMINATED USING 568A PIN-OUT CONFIGURATION. G. PROVIDE 15FT WORK AREA PATCH CORDS: ONE (1) PER OUTLET PLUS 5% SPARE. H. REFER TO STATION IDENTIFICATION PARAGRAPH OF THESE SPECIFICATIONS FOR REQUIRED LABELING.
- 8. HORIZONTAL TRANSMISSION MEDIA: A. VOICE (PLENUM): 4-PAIR #24 AWG CATEGORY 5E, WITH PLENUM RATED BLUE OUTER
- B. DATA (PLENUM): 4-PAIR #24 AWG CATEGORY 5E, WITH PLENUM RATED WHITE OUTER JACKET.
- 9. DATA ACTIVATION PATCH CABLES: A. THE CC SHALL FURNISH ALL DATA ACTIVATION PATCH CABLES BETWEEN THE WALL
- MOUNTED PATCH PANELS AND THE RACK MOUNTED NETWORK SWITCHES.
- B. PATCH CABLES SHALL BE RJ-45 TO RJ-45, FACTORY MANUFACTURED, TESTED AND ULLISTED FOR CAT-5E PERFORMANCES.
- C. MANUFACTURER AND MODEL NUMBER OF PATCH CORDS MUST MATCH THE CABLE VENDOR SYSTEM RATING.
- D. THE OWNER SHALL IDENTIFY PORT LOCATIONS AND QUANTITIES FOR INSTALLATION OF PATCH CABLES. THE CC SHALL PROVIDE A CERTIFIED END-TO-END SOLUTION AND MUST COMPLY WITH THE CERTIFICATION REQUIREMENTS.
- E. CC SHALL PERFORM INSTALLATION (SEE PARTS LIST FOR BID QUANTITIES). F. COPPER PATCH CORD LABELING: ALL PATCH CORDS SHALL BE PROVIDED WITH A UNIQUE, 3-DIGIT NUMERIC IDENTIFIER CODE AT EACH END WITHIN 2 INCHES OF THE END. THIS LABEL SHALL BE TYPE WRITTEN, 1/8" HIGH BOLD TEXT, SELF LAMINATING
- STICKER. 10. SUMMARY OF OWNER PROVIDED TELECOMMUNICATION ITEMS: A. ALL RACK AND CABINET MOUNTED ELECTRONICS, ETHERNET LAN SWITCHES, ROUTERS ETC
- B. VOICE MAIL SERVER AND VOICE MAIL. C. PHONE LINE CORDS AND PHONE HANDSETS.
- 11. CONDUIT STUB: ALL CONDUIT PATHWAYS, BACKBOXES AND DRYWALL RACEWAYS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 12. HORIZONTAL CABLE PATHWAY LENGTH LIMITS: A. THE CABLE PATHWAY SYSTEM LENGTH SHALL NOT EXCEED 275-FEET FROM
- OUTLET TO PATCH PANEL. B. THERE SHALL BE NO MORE THAN THREE 90-DEGREE BENDS IN ONE CONTINUOUS RACEWAY BETWEEN PULL POINTS.
- C. COMMUNICATION CABLES CONDUIT FILL SHALL NOT EXCEED 40% FOR ALL CONDUIT SLEEVES AND STUB UPS.
- D. CONDUIT ENDS SHALL BE PROVIDED WITH A PLASTIC BUSHING OR PLASTIC SLEEVE AT EACH END.
- E. IF A COMPLETED CABLE SYSTEM RESULTS IN COMMUNICATION CABLE MEASUREMENT IN EXCESS OF 295-FEET, THE FOLLOWING CORRECTIVE MEASURES WILL BE THE RESPONSIBILITY OF THE CC. (1) THE CC SHALL BE LIABLE FOR ALL ADDED COSTS (INCLUDING PREMIUM TIME)
- ASSOCIATED WITH REWORKING OF ALL EFFECTED CABLING. RE-TERMINATION AND RE-TESTING TO MAKE THE COMMUNICATION CABLING SYSTEM TIA-568 COMPLIANT. IT IS THE CC AND EC RESPONSIBILITIES TO IDENTIFY ANY LOCATIONS WHERE
- IT IS NOT PHYSICALLY POSSIBLE TO MEET THESE REQUIREMENTS PRIOR TO INSTALLATION.

- 13. HORIZONTAL SERVICE LOOP: A. PROVIDE A 36-INCH SERVICE LOOP AT EACH TERMINATION IN THE TC ROOM. B. PROVIDE A 24-INCH SERVICE LOOP ABOVE EACH WALL MOUNTED VOICE/DATA OUTLET AND BELOW EACH LITTCO FLOOR MONUMENT.
- 14. STATION IDENTIFICATION: A. OUTLET IDENTIFICATION SCHEME SHALL INCLUDE SEQUENTIAL - "VOICE/DATA ID NUMBER" (I.E. 001, 002, 003, ETC) B. EACH 4-PAIR UTP CABLE TERMINATION AND ASSOCIATED FACEPLATE AND PATCH
- PANEL JACK SHALL BE PROVIDED WITH A TYPEWRITTEN, SELF-LAMINATING STATION ID LABEL. CABLE TAGS SHALL BE INSTALLED ON THE CABLE JACKET 6" TO 12" FROM THE END OF THE TERMINATION AT BOTH ENDS. C. WORK AREA FACEPLATE TAGS, CABLE TAGS, AND PATCH PANEL TAGS SHALL
- MATCH IDENTICALLY FOR EACH PATCH PANEL JACK. 15. PROJECT CLOSE-OUT REQUIREMENTS: F. THE CC SHALL BE REQUIRED TO COMPLETELY TEST AND CERTIFY ALL CABLE TERMINATIONS AND MEET THE SPECIFIED SYSTEM PERFORMANCE SPECIFICATION BY TESTING AND RECORDING ALL CABLES AND TERMINATIONS INSTALLED ON THIS
- PROJECT: (1) CERTIFICATION OF THE UTP HORIZONTAL WIRING SYSTEM SHALL BE
- PERFORMED AND DOCUMENTED BY THE COMMUNICATIONS CONTRACTOR. (2) THE TEST TO BE CONDUCTED MUST BE THE LATEST TIA/EIA 568-A.
- CATEGORY 5E PERMANENT LINK FROM 0-100 MHZ. (3) 100 OHM UTP, 4-PAIR CABLE. TEST PARAMETERS SHALL INCLUDE:
- (A) WIRE MAP (B) LENGTH
- (C) ATTENUATION
- (D) NEAR-END-CROSS-TALK (NEXT) (E) FAR-END-CROSS-TALK (FEXT)
- (F) ACR (G) RESISTANCE
- (H) PROPAGATION DELAY (I) DELAY SKEW.
- EACH CABLE TESTED SHALL BE DISPLAYED ON A SINGLE SHEET OF THE REPORT. THE FIRST PAGE OF THE REPORT SHALL BE A SUMMARY OF ALL TEST RESULTS INDICATING THE FOLLOWING.
- (A) CABLE ID (B) TIME/DATE OF TEST
- (C) LONGEST PAIR LENGTH
- (D) PASS/FAIL (5) LEVEL III-E TEST EQUIPMENT IS REQUIRED. FLUKE DSP-4300 SERIES AND MICROTEST OMNI SCANNER. THE CONTRACTOR IS REQUIRED TO GET WRITTEN AUTHORIZATION TO USE TEST EQUIPMENT THAT IS NOT LISTED AS
- APPROVED (6) THE CC SHALL SUBMIT (1) ELECTRONIC COPY (IN .PDF FORMAT) OF ALL TEST RESULTS/SUMMARY REPORT VIA (1) CD-ROM.
- THE CC SHALL BE RESPONSIBLE FOR SUBMITTING A COMPLETE SET OF (7) AS-BUILT DOCUMENTS AT THE COMPLETION OF THE PROJECT. (A) SUBMITTAL SHALL INCLUDE ALL DRAWINGS REVISED AS PER ACTUAL INSTALLATION FOR THE RISER AND STATION IDENTIFICATION PLANS.
- (B) THE ELECTRONIC FORMAT SHALL BE SUBMITTED VIA CD-ROM OR E-MAIL IN (.DWG) AUTOCAD VERSION 2006 AND (.PDF) ACROBAT VERSION 8.0. (C) THE COMMUNICATION CONTRACTOR SHALL ALSO BE REQUIRED TO
- MOUNT ONE HALF SIZE PLOT OF THE "AS-BUILT" STATION TAGGING PLAN IN THE SERVER ROOM AS REQUIRED PER THE DRAWINGS

SOUNDMASKING SPECIFICATIONS

- A. ALL SOUND MASKING SCOPE OF WORK SHALL BE FURNISHED AND INSTALLEI THE COMMUNICATIONS CONTRACTOR (CC) UTILIZING THE SERVICES OF AN A VISUAL CONTRACTOR (AVC) WITH AT LEAST 5 YEARS EXPERIENCE IN INSTALLATION OF SOUNDMASKING SYSTEMS OF THIS TYPE.
- B. EQUIPMENT
- (1) SOUND MASKING GENERATOR SHALL BE DUAL CHANNEL WITH INTEGR DSP BASED PINK NOISE GENERATOR WITH LINE LEVEL AUX INPUT, AND ADJUSTABLE GAIN, EQUALIZER, AND DELAY. UNIT SHALL BE SUITABLE 19" RACK MOUNTING. ATLAS SOUND # ASP-MG24, OR APPROVED EQUA
- (2) AUDIO AMPLIFIERS SHALL BE DUAL CHANNEL WITH ADJUSTABLE GAIN EACH CHANNEL, AND A RACK MOUNTED CHASSIS. AMPLIFIER TO BE 30 PER CHANNEL (600W TOTAL). CROWN CTS-600 SERIES, OR APPROVED FQUAL
- (3) MONITOR PANEL SHALL PROVIDE LOCAL MONITORING OF THE MASKING SYSTEM, AND SHALL INCLUDE A 3" LOUDSPEAKER, ANALOG VU METER, RACK MOUNTED CHASSIS. ATLAS SOUND # MVX-193 SERIES, OR APPRO EQUAL
- (4) SPEAKER ASSEMBLY SHALL CONTAIN AN 8" LOUDSPEAKER. 70.7V TRANSFORMER, AND EXTERNAL TAP SELECTOR WITH 1/4, 1/2, 1, 2, & 4 TAPS. ENCLOSURE, BAFFLE, AND MOUNTING HARDWARE SHALL BE SUITABLE FOR UPWARD DISPERSION. ATLAS SOUND # M1000-W, OR APPROVED EQUAL.
- C. THE CONTRACTOR SHALL FURNISH AND INSTALL THE SOUND MASKING SPEA THE SOUND MASKING SPEAKER OPTIMAL RANGE IS AT 1/3 OF THE PLENUM CEILING SPACE - ABOVE THE CEILING TILES. FOR TIGHT PLENUM AREAS POS UNITS AS LOW AS POSSIBLE WITHIN CEILING SPACE, WHILE KEEPING AT LEAS 2-INCHES ABOVE CEILING TILE. THE CONTRACTOR SHALL INSTALL CABLING SPEAKERS LEAVING 6" SLACK AT EACH SPEAKER DROP. INDEPENDENTLY SUPPORT THE SPEAKER ENCLOSURE FROM THE STRUCTURAL CEILING.
- D. THE MASTER/SATELLITE WIRING SHALL BE 16 AWG/4 CONDUCTOR TWISTED NON-SHIELDED PLENUM RATED CABLE AS OUTLINED ON THE PLANS. OBSER POLARITY FOR ALL CONNECTIONS. ALL WIRING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- E. THE COMMUNICATIONS AND AV CONTRACTOR SHALL COORDINATE WITH TH OWNER FOR FINAL ADJUSTMENT TO THE SOUND MASKING SYSTEM. ADJUST VOLUME LEVELS AND TAP VALUES TO ACHIEVE OPTIMUM LEVELS. THE AV CONTRACTOR SHALL TAKE THE FOLLOWING MEASURES TO TUNE THE SYSTE
- (1) TUNE THE SYSTEM AND TAKE INTO CONSIDERATION THE BUILDING SYSTEMS AMBIENT NOISE AND THE LEVEL OF ACTIVITY IN THE SPACE DURING THE COURSE OF NORMAL WORKING HOURS.
- (2) AFTER INSTALLATION, THE AVC SHALL FINE-TUNE TO ACHIEVE A SPAT UNIFORMITY OF +/- 1/2 DBA, WITH FURNISHINGS IN PLACE. THE AVC SHALL MAKE ALL FINAL ADJUSTMENTS AND TESTS TO COMMI (3) THE SYSTEM. ALL WORK TO MAKE THE FINAL ADJUSTMENTS SHALL BE
- INCLUDED IN THE BASE PRICE. (4) UPON COMPLETION, THE AVC SHALL PERFORM A TEST AND DEMONSTRATION TO THE OWNER FOR FINAL APPROVAL AND SIGN-OF
- F. THE INFORMATION ON THE DRAWINGS IS FOR BIDDING PURPOSES ONLY. TH CONTRACTOR SHALL BECOME FAMILIAR WITH THE BUILDING CONSTRUCTION GEOMETRY AS NEEDED TO PROVIDE A FULLY FUNCTIONING INSTALLATION. SCHEMATIC IS FOR DIAGRAMMATIC PURPOSES ONLY. THE CONTRACTOR SH FOLLOW ALL MANUFACTURER'S INSTALLATION TECHNIQUES AND GUIDELINE

SYMBOL SCHEDULE

- 2-PORT DATA OUTLET WITH ONE CATEGORY 5E JACK. INSTALL IN A TWO GANG OUTLET BOX WITH SINGLE GANG PLASTER RING AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FROM BOX TO ACCESSIBLE CEILING PLENUM. REFER TO COMMUNICATIONS EQUIPMENT SCHEDULE FOR DESCRIPTION. 2-PORT VOICE OUTLET WITH ONE CATEGORY 5E JACK. INSTALL IN A TWO GANG OUTLET BOX WITH SINGLE GANG PLASTER RING AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FORM BOX TO ACCESSIBLE CEILING PLENUM. REFER TO COMMUNICATIONS EQUIPMENT SCHEDULE FOR DESCRIPTION. 2-PORT VOICE / DATA OUTLET WITH TWO CATEGORY 5E JACKS (ONE DATA, ONE VOICE). INSTALL IN A TWO-GANG OUTLET BOX WITH SINGLE GANG PLASTER RING FLUSH IN WALL AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FROM BOX TO ACCESSIBLE CEILING PLENUM. REFER TO COMMUNICATIONS
- EQUIPMENT SCHEDULE FOR DESCRIPTION. 4-PORT VOICE / DATA OUTLET WITH FOUR CATEGORY 5E JACKS (TWO DATA, TWO VOICE). INSTALL IN A TWO-GANG OUTLET BOX WITH SINGLE GANG PLASTER RING FLUSH IN WALL AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FROM BOX TO ACCESSIBLE CEILING PLENUM. REFER TO COMMUNICATIONS
- 4-PORT VOICE / DATA OUTLET WITH THREE CATEGORY 5E JACKS (TWO DATA, ONE VOICE, ONE BLANK). INSTALL IN A TWO-GANG OUTLET BOX WITH SINGLE GANG PLASTER RING FLUSH IN WALL AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FROM BOX TO ACCESSIBLE CEILING PLENUM. REFER TO COMMUNICATIONS EQUIPMENT SCHEDULE FOR DESCRIPTION.

EQUIPMENT SCHEDULE FOR DESCRIPTION.

- 1-PORT OUTLET WITH ONE CATEGORY 5E JACK. INSTALL IN A TWO-GANG OUTLET BOX WITH SINGLE GANG PLASTER RING FLUSH IN WALL AT 54" AFF WITH 3/4" CONDUIT (WITH INSULATING BUSHING EACH END) FROM BOX TO ACCESSIBLE CEILING PLENUM. PROVIDE COVERPLATE WITH INTEGRAL MOUNTING STUDS FOR WALL TELEPHONE. REFER TO COMMUNICATIONS EQUIPMENT SCHEDULE FOR DESCRIPTION.
- X LITCO FLOOR MONUMENT WITH POWER AND VOICE/DATA CONDUIT STUBS TO ACCESSIBLE CEILING PLENUM OF FLOOR BELOW BY EC. REFER TO VOICE / DATA DETAILS ON DWG VD-4 FOR DESCRIPTION.
- 120V DUPLEX RECEPTACLE MOUNTED FLUSH IN LAY-IN CEILING TILE ADJACENT TO PROJECTOR ASSEMBLY BY EC. VERIFY EXACT LOCATION WITH ARCHITECT.

- (AP) WIRELESS ACCESS POINT DATA OUTLET WITH ONE CATEGOR 12" SLACK CABLE FOR DIRECT CONNECTION TO WIRELESS AC INSTALL IN A TWO-GANG OUTLET BOX WITH SINGLE GANG PL/ FLUSH IN CEILING WITH 3/4" BUSHED OPENING IN OUTLET BO COMMUNICATIONS EQUIPMENT SCHEDULE FOR DESCRIPTION.
 - SOUND MASKING SYSTEM SPEAKER SUSPENDED FACING UPWA LAY-IN CEILING. PROVIDE SLACK CABLE CONNECTION AND C DETAILS AND SPECIFICATIONS.

S

(XXXX)

_____C

- AUDIO/VISUAL OUTLET WITH HDMI (QUICKTRON #2212-424) COMBINATION VGA/3.5MM AUDIO (QUICKTRON #2212-40854 STYLE, RAPIDRUN DEVICES. INSTALL IN A TWO-GANG 2-1/8" TWO-GANG PLASTER RING FLUSH IN WALL AT HEIGHT INDICA ARCHITECTURAL DRAWINGS. EC TO FURNISH AND INSTALL (WITH INSULATING BUSHING EACH END) TO CEILING MOUNT LOCATION. RAPIDRUN HDMI (QUICKTRON #2212-42404-035 #2212-42417-006) AND VGA/AUDIO (QUICKTRON #2212-4213 #2212-42107-006) CABLES BY CC. EXACT CABLE LENGTH SHAL CONFIRMED BY CC PRIOR TO ORDERING CABLES.
- 1-1/4" CONDUIT STUBBED DOWN FROM ACCESSIBLE CEILING BELOW LAY-IN CEILING WITH WHITE PLASTIC BUSHING, WHIT COVERPLATE, AND NYLON PULLSTRING BY EC. EC TO INSTAL TIGHT TO BOTTOM OF CEILING TILE AND LOCATE ADJACENT ASSEMBLY FOR AUDIO/VISUAL CABLE INSTALLTION BY CC. VE LOCATION WITH ARCHITECT.
- 4" DIA. FIRESTOPPING CABLE SLEEVE WITH EXPANDABLE IRIS PENETRATION OF FIRE RATED WALLS IN ACCESSIBLE CEILING TO DETAIL FOR DESRIPTION.
- TRIANGLE IDENTIFIES REFERENCE TO VOICE / DATA EQUIPME NUMBER IDENTIFIES CORRESPONDING ITEM NUMBER.
- WORKSTATION VOICE / DATA STATION ID.
- COMMUNICATIONS SYSTEM CABLES INSTALLED CONCEALED CEILING PLENUM AND IN WALLS. CC SHALL FURNISH AND INS PER COMMUNICATIONS SYSTEM CABLE SCHEDULE. EC SHALL INSTALL MINIMALLY A 1" CONDUIT SLEEVE (WITH INSULATING BOTH ENDS) WHERE CABLES PASS THROUGH WALLS ABOVE F (SIZE FOR 40% CONDUIT FILL).
- S SOUND MASKING SYSTEM PLENUM RATED CABLING ROUTED F LAY-IN CEILING. CC SHALL FURNISH AND INSTALL WIRING P COMMUNICATIONS EQUIPMENT SCHEDULE.

D BY	REQUEST FOR PROPOSAL PROJECT: ALLSTATE WEST PALM BEACH, LEGAL BUILDING	
AUDIO	1450 CENTREPARK BLVD, WEST PALM BEACH, FLORIDA	
	1. ALLSTATE INSURANCE COMPANY IS SUBMITTING THIS REQUEST FOR PROPOSAL (RFP) TO	P.: T.S.
	SELECT A CONTRACTOR TO INSTALL THE VOICE/DATA AND SOUNDMASKING IN A NEW SPACE AND ON A NEW FLOOR OF THEIR EXISTING FACILITY IN WEST PALM BEACH, FLORIDA.	0.00 0.00 0.00 0.00 0.00
RAL D	THIS RFP IS COMPRISED OF THE DRAWINGS VD-1 THRU VD-7.	
E FOR AL.	2. THESE DOCUMENTS DESCRIBE THE CABLING AND COMPONENTS THAT ARE TO BE INSTALLED AND THE REQUIRED SERVICES ASSOCIATED WITH THE INSTALLATION OF THE	PROFINIT
FOR	SYSTEMS. THE WORK AND SERVICES SPECIFIED HEREIN INCLUDE THE SUBMITTAL OF PRODUCT SPECIFICATIONS, COORDINATION WITH OTHER TRADES, INSTALLATION OF THE	
DOW	SYSTEMS, SUBMITTAL OF TESTING REPORTS, AND SUBMITTAL OF AS-BUILT DOCUMENTATION.	
G	3. IT IS EXPECTED THAT ALL BIDDING CONTRACTORS WILL HAVE CAREFULLY READ AND	
AND OVED	UNDERSTOOD THE BID DOCUMENTS, AND SURVEYED ALL SPACES INVOLVED IN THIS PROJECT. THE PROJECT WILL BE AWARDED TO THE CONTRACTING COMPANY THAT	
JVED	INDICATES THE BEST UNDERSTANDING OF THE PROJECT AND BEST DEMONSTRATES AN ABILITY TO COMPLETE THE PROJECT WITH THE HIGHEST QUALITY AND LOWEST COST	
VATT	WITHIN THE ASSIGNED SCHEDULE.	
	 MATERIAL DISTRIBUTION CONTACT: THE SUCCESSFUL COMMUNICATION CONTRACTOR WILL BE REQUIRED TO OBTAIN THEIR MATERIAL QUOTES THROUGH ANIXTER OF CHICAGO. 	
	THE CONTACT IS: HEATHER HILL (PHONE: 847-390-4522).	
KERS.	A. THE MAXCELL INNERDUCT (#MXC2003) HAS BEEN PRE-PURCHASED BY ALLSTATE FROM ANIXTER AND THE CC SHALL COORDINATE SHIPPING AND DELIVERY TO THE JOB SITE.	
ITION ST	5. ALL COMMUNICATIONS PROPOSALS MUST INCLUDE THE FOLLOWING:	
Ō	A. SCOPE OF WORK DESCRIPTION LIST OF TEST EQUIPMENT TO BE USED. B. LIST OF CLARIFICATIONS OR EXCLUSIONS.	
	C. COPY OF VENDOR'S ORTRONICS/BERK-TEK NET CLEAR CERTIFICATION OR	Ю
·-	HUBBELL/MOHAWK SURBEIT CERTIFICATION. D. MATERIAL ESTIMATE WORKSHEET WITH ESTIMATED QUANTITIES OF EACH MAJOR	NOI
/E	SYSTEM COMPONENTS. THIS IS MANDATORY TO CONFIRM BIDDERS UNDERSTANDING OF THE PROJECT SCOPE. MATERIAL WORKSHEET SHALL INCLUDE THE FOLLOWING	REVISIONS
	HEADINGS:	_ <u>∝</u>
	(1) ITEM DESCRIPTION(2) MANUFACTURER AND PART NUMBER	ان
м:	(3) QUANTITY OR LENGTH	5, INC.
	E. AN EXCEL SPREADSHEET OF THE PRE-FORMATTED COMPONENT EQUIPMENT BID FORM MUST BE COMPLETED BY THE BIDDING CONTRACTOR AND SUBMITTED WITH THEIR	ATES, 300 4165
	PROPOSAL SEND AN E-MAIL REQUEST TO JJENNINGS@PTAENGINEERING.COM FOR THIS DOCUMENT.	SOCIA INEERS SUITE 4333 FAX ng.com
AL.	 F. ALL PROPOSAL PRICING MUST INCLUDE THE FOLLOWING INFORMATION: (1) GRAND TOTAL SELL PRICE: 	
SION	(1) GRAND TOTAL SELL PRICE:(2) LABOR + MATERIAL:	Z & AS NG ENGI OHIO 4., 0HIO 4. ngineeri
	(3) TOTAL LABOR ONLY COST	ANTZ JLTING GSIDE ON, O 5-666- traeng
	(4) TOTAL MATERIAL ONLY COST(5) ESTIMATED TOTAL MANHOURS	TSCHANTZ { CONSULTING SPRINGSIDE AKRON, OF NE 330-666-' www.ptaengi
E	G. PRICING SHALL NOT INCLUDE TAX AND SHIPPING. TAX AND SHIPPING WILL BE ISSUED AS A CHANGE ORDER TO ALLSTATE AT THE COMPLETION OF THE PROJECT.	
AND	H. UNIT PRICE: REFER TO BID FORM FOR UNIT PRICING REQUIREMENTS.	Z75 PHO
ALL	6. FINAL SUBMITTAL FORMAT:	PETERS, 27
	A. ALL PROPOSALS MUST BE SUBMITTED IN ELECTRONIC FORMAT AND SHALL BE APPROPRIATE SIZE TO BE SENT VIA E-MAIL. SUBMIT (1) ELECTRONIC VERSION	
	(MICROSOFT WORD AND/OR EXCEL FORMAT ONLY). PDF FILES OF VOICE/DATA EQUIPMENT SCHEDULE WILL NOT BE ACCEPTED.	
	B. ADDRESS ALL PROPOSALS TO:	
	ALLSTATE INSURANCE COMPANY - MARK ANGERAME REAL ESTATE & CONSTRUCTION	
	3075 SANDERS ROAD - SOUTH PLAZA, STE G1D NORTHBROOK, IL 60602	
	C. E-MAIL PROPOSAL TO: ALLSTATE INSURANCE COMPANY	
	MARK ANGERAME E-MAIL: MARK.ANGERAME@ALLSTATE.COM	
	D. CC PROPOSAL TO:	
	PETERS, TSCHANTZ & ASSOCIATES, INC. JON JENNINGS	
	E-MAIL: JJENNINGS@PTAENGINEERING.COM E. REQUESTS FOR INFORMATION:	
	REFER ALL DESIGN QUESTIONS TO: JON JENNINGS	A
	PETERS, TSCHANTZ & ASSOCIATES, INC.	
	PHONE: 330-666-3702	
	PHONE: 330-666-3702 FAX: 330-666-4165 E-MAIL: JJENNINGS@PTAENGINEERING.COM	ORIC
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	FAX: 330-666-4165	
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	FAX: 330-666-4165	1 BEACH, FL LDING RK BLVD. CH, FL 33401 CH, FL 33401 ESIGN
	FAX: 330-666-4165	LM BEACH, FL JILDING PARK BLVD. EACH, FL 33401 EACH, FL 33401
	EAX: 330-666-4165 E-MAIL: JJENNINGS@PTAENGINEERING.COM PROJECT SCOPE 1. <u>GENERAL PROJECT SCOPE:</u>	LM BEACH, FL JILDING PARK BLVD. EACH, FL 33401 EACH, FL 33401
	 FAX: 330-666-4165 E-MAIL: JJENNINGS@PTAENGINEERING.COM PROJECT SCOPE <u>GENERAL PROJECT SCOPE</u>: THE CONSTRUCTION DOCUMENTS PREPARED BY PETERS, TSCHANTZ & ASSOCIATES, INC. DEFINE THE VOICE/DATA AND SOUNDMASKING SYSTEMS SCOPE OF WORK. THE 	LM BEACH, FL JILDING PARK BLVD. EACH, FL 33401 EACH, FL 33401
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	 FAX: 330-666-4165 E-MAIL: JJENNINGS@PTAENGINEERING.COM PROJECT SCOPE <u>GENERAL PROJECT SCOPE</u> <u>SCOPEINE THE VOICE/DATA AND SOUNDMASKING SYSTEMS SCOPE OF WORK. THE ELECTRICAL DRAWING PACKAGE IS BY OTHERS. THIS DRAWING PACKAGE (DRAWINGS VD-1 THRU VD-7) IS A SUB-SET OF THE ELECTRICAL DRAWING PACKAGE.</u> THE FOLLOWING IS A BRIEF SUMMARY OF THE SCOPE OF WORK IDENTIFIED BY THESE 	LM BEACH, FL JILDING PARK BLVD. EACH, FL 33401 EACH, FL 33401
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ESS POINT. STER RING	 FAX: 330-666-4165 E-MAIL: JJENNINGS@PTAENGINEERING.COM PROJECT SCOPE <u>GENERAL PROJECT SCOPE:</u> THE CONSTRUCTION DOCUMENTS PREPARED BY PETERS, TSCHANTZ & ASSOCIATES, INC. DEFINE THE VOICE/DATA AND SOUNDMASKING SYSTEMS SCOPE OF WORK. THE ELECTRICAL DRAWING PACKAGE IS BY OTHERS. THIS DRAWING PACKAGE. THE FOLLOWING IS A BRIEF SUMMARY OF THE SCOPE OF WORK IDENTIFIED BY THESE DOCUMENTS BROKEN OUT BY TRADE. EACH CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: 	WEST PALM BEACH, FL LEGAL BUILDING LEGAL BUILDING 1450 CENTREPARK BLVD. WEST PALM BEACH, FL 33401 WEST PALM BEACH, FL 33401 VOICE/DATA DESIGN
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