

TECHNOLOGY SYMBOL LEGEND

ABBREVIATIONS



1344 SOUTH FLORES
SUITE 301
SAN ANTONIO, TEXAS 78204
P 210.223.9588
F 210.223.9589

COMBS Consulting Group
10 years technology & security
SAN ANTONIO AUSTIN
8200 IH-10 West, Ste. 103 901 S. Mopac
San Antonio, Texas 78230 Bldg. 3, Ste. 400
Phone : 210-699-7887 Austin, Texas 78746
Phone : 512-433-2696

Final Plans for Bidding and Construction

Bicsi
COMMUNICATIONS DISTRIBUTION DESIGNERS
STEVEN R. ANDERSON
REG. NO. 151809R
EXPIRES 12-31-15
11/07/2014
SIGNATURE

FORT SAM HOUSTON INDEPENDENT SCHOOL DISTRICT



COLE HIGH SCHOOL BAND HALL SAN ANTONIO, TEXAS

CHECKED: Checker
SCALE: © 2014 Stantec
ISSUE: 11/07/2014

KEY PLAN (NTS)
SHEET TITLE:
TECHNOLOGY SYMBOLS, LEGEND & ABBREVIATIONS

T000
214000210

VOICE & DATA SYMBOLS		SECURITY SYMBOLS		AUDIO/VISUAL & VIDEO BROADBAND SYMBOLS		CABLE PLANT & RISER SYMBOLS	
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		SECURITY CAMERA		VIDEO SYSTEM HEADEND, EQUIPMENT AS SPECIFIED		CONDUIT FOR GROUND WIRE
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE. X-NUMBER OF CABLE TERMINATIONS PER LOCATION AS INDICATED		SECURITY CAMERA PAN/TILT/ZOOM CAMERA		POWER SUPPLY AS SPECIFIED		CONDUIT, SIZE AND TYPE AS INDICATED
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +52" A.F.F. UNLESS NOTED OTHERWISE		CARD READER		AMPLIFIER AS SPECIFIED		FIBER OPTIC TERMINATION PANEL, SIZE & TYPE AS SPECIFIED
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE		PROVIDE SINGLE DOOR RELEASE PUSHBUTTON MOUNTED IN KNEE SPACE OF DESK, TABLE OR COUNTER. PROVIDE ARMORED CABLE FROM PUSHBUTTON TO JUNCTION BOX.		DIRECTIONAL COUPLER, dB LOSS LEVEL AS INDICATED		FIBER OPTIC CABLE, STRAND COUNT & TYPE (SM/MM) AS INDICATED
	PUBLIC TELEPHONE OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED HEIGHT AS SPECIFIED		ELECTROMAGNETIC DOOR LOCK		2-WAY VIDEO SPLITTER		UNSHIELDED TWISTED PAIR (UTP) COPPER CABLE, SIZE & TYPE AS INDICATED
	VOICE OUTLET, NO INSTRUMENT, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		DOOR POSITION SWITCH		3-WAY VIDEO SPLITTER WITH HI-LEG INDICATED		SHIELDED TWISTED PAIR (STP) COPPER CABLE, SIZE & TYPE AS INDICATED
	VOICE OUTLET, KEYNOTE (1) APPLIES		GLASS BREAK SENSOR		2-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED		COAXIAL COPPER CABLE, SIZE & TYPE AS INDICATED
	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF VOICE TERMINATIONS PER LOCATION		REQUEST-TO-EXIT MOTION SENSOR		4-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED		HANDHOLE OR MANHOLE, SIZE & TYPE AS INDICATED
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED		INTERFACE TO SUMP PUMP TO MONITOR HIGH WATER ALARM TERMINALS WITHIN INTERFACE CABINET PROVIDED BY SUMP PUMP CONTRACTOR.		8-PORT VIDEO TAP, dB LOSS LEVEL AS INDICATED		PULLBOX, SIZE AND TYPE AS INDICATED
	VOICE OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT		INTERCOM		HIGH/LOW FREQUENCY EOL dB LEVELS		CONDUIT HOME RUN, QUANTITY, SIZE & TYPE AS INDICATED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		PROVIDE WALL MOUNTED INTRUSION KEYPAD.		VIDEO CABLE TERMINATION		CONDUIT RUN TURNED UP, QUANTITY, SIZE & TYPE AS INDICATED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE. X-NUMBER OF CABLE TERMINATIONS PER LOCATION		PROVIDE WALL MOUNTED INTRUSION MOTION DETECTOR.		VIDEO CABLE SPLICE		CONDUIT RUN TURNED DOWN, QUANTITY, SIZE & TYPE AS INDICATED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE		INTERFACE TO ELEVATOR CONTROL/MONITORING TERMINALS WITHIN INTERFACE CABINET PROVIDED BY ELEVATOR CONTRACTOR.		VIDEO IN-LINE EQUALIZER		CONDUIT BANK, QUANTITY, SIZE & TYPE AS INDICATED
	DATA OUTLET, KEYNOTE (1) APPLIES		PROVIDE COOLER/FREEZER TEMPERATURE MONITORING SENSOR.		FIBER OPTIC RECEIVER		CONDUIT BANK, CONCRETE ENCASED, QUANTITY, SIZE & TYPE AS INDICATED
	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF DATA TERMINATIONS PER LOCATION		AUDIO/VISUAL TEMPERATURE DISPLAY		FIBER OPTIC TRANSMITTER		CABLE CHASE SLOT, SIZE AS INDICATED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED		INTERFACE TO 24VDC FAIL SECURE STOREROOM FUNCTION, ELECTROMECHANICAL CYLINDRICAL LOCKSET AND POWER TRANSFER HINGE PROVIDED BY DOOR HARDWARE CONTRACTOR (PROVIDE POWER SUPPLY AND LOCK WIRING).		.500 COAXIAL CABLE AS SPECIFIED		CABLE SLACK, LENGTH AS INDICATED
	DATA OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT		ELECTRIFIED RIM STRIKE WITH REQUEST TO EXIT DEVICE BUILT-IN TO PANIC BAR.		.750 COAXIAL CABLE AS SPECIFIED		
	CEILING DATA OUTLET, CABLE TYPE AS SPECIFIED WITH X-NUMBER OF CABLE TERMINATIONS PER LOCATION		LOCK DOWN SWITCH - PROVIDE 4" X 4" X 2 1/8" DEEP BOX WITH SINGLE GANG DEVICE RING FLUSH MOUNTED 3'-6" A.F.F.		RG6 COAXIAL CABLE AS SPECIFIED		
	VOICE AND DATA OUTLET WITH 1 VOICE RUN AND 1 DATA RUN, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		PROVIDE WALL MOUNTED ALARM SOUNDER.		VIDEO OUTLET, CABLE TYPE AND TERMINATION AS SPECIFIED		
	VOICE AND DATA OUTLET WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		SECURITY BACKBOARD LOCATION FOR DATA GATHERING PANEL, INTRUSION PANELS, AND POWER SUPPLIES.		VIDEO OUTLET, KEYNOTE (1) APPLIES		
	VOICE AND DATA OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE		WALL MOUNTED WALL CLOCK, MOUNTING HEIGHT AS SPECIFIED		VIDEO BROADCAST OUTLET, CABLE TYPE AND TERMINATION AS SPECIFIED.		
	VOICE AND DATA OUTLET, KEYNOTE (1) APPLIES		DOUBLE SIDED WALL MOUNTED WALL CLOCK, MOUNTING HEIGHT AS SPECIFIED		MULTIMEDIA OUTLET, CABLE TYPES AND TERMINATIONS AS SPECIFIED		
	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS PER LOCATION				MULTIMEDIA OUTLET, CABLE TYPES AND TERMINATIONS AS SPECIFIED, FLUSH FLOOR MOUNTED		
	VOICE AND DATA OUTLET WITH X-NUMBER OF VOICE TERMINATIONS AND Y-NUMBER OF DATA TERMINATIONS, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED				PROGRAM SPEAKER, WALL MOUNTED, MOUNTING HEIGHT AS SPECIFIED		
	VOICE AND DATA OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT				DISTRIBUTED SPEAKER, CEILING MOUNTED		
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE				MICROPHONE OUTLET, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		
	FIBER OPTIC OUTLET WITH X-NUMBER OF FIBER OPTIC STRANDS, CABLE TYPE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE				CEILING MOUNTED PROJECTOR, MOUNTING HEIGHT AND TYPE AS SPECIFIED		
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, MOUNTED +6" ABOVE COUNTER OR SPLASH UNLESS NOTED OTHERWISE				CONTROL PANEL, AS SPECIFIED		
	FIBER OPTIC OUTLET, KEYNOTE (1) APPLIES				ROUGH-IN LOCATION, INFRASTRUCTURE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE		
	POWER/COMMUNICATIONS POLE WITH X-NUMBER OF FIBER OPTIC STRANDS PER LOCATION				LARGE FORMAT FLOOR BOX - OUTLET TYPES AND QUANTITIES AS SPECIFIED		
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, FLUSH FLOOR MOUNTED				CEILING ENCLOSURE		
	FIBER OPTIC OUTLET, CABLE TYPE AS SPECIFIED, SURFACE MOUNTED MONUMENT				INTERCOM SYSTEM PUSH BUTTON		
	ROUGH-IN LOCATION, INFRASTRUCTURE AS SPECIFIED, MOUNTED +18" A.F.F. UNLESS NOTED OTHERWISE						
	WIRELESS ACCESS POINT						

A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AER	AERIAL
B	BURIED
CAT.3/5	CATEGORY 3/5
CAV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLT	CLOSET
CO	CENTRAL OFFICE
DEMARC	DEMARICATION POINT
EXT	ELECTRIC METALLIC TUBE
F.O.C.	FIBER OPTIC CABLE
GIP	GALVANIZED IRON PIPE
HH	HANDHOLE
IRC	INTERMEDIATE RIGID CONDUIT
ISP	INSIDE CABLE PLANT
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
MH	MANHOLE
MM	MULTIMODE
OSP	OUTSIDE CABLE PLANT
PB	PULLBOX
PR	PAIR
PBX	PRIVATE BRANCH EXCHANGE
PVC	POLYVINYL CHLORIDE
SM	SINGLE MODE
SP	SERVICE PROVIDER
STP	SHIELDED TWISTED PAIR
TB	TERMINAL BLOCK
TR	TELECOMMUNICATIONS REGION
UTP	UNSHIELDED TWISTED PAIR

NOTES

- CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS THAT MAKE UP THE CONTRACT DOCUMENTS AND COMPLETE ALL WORK INCLUDED THEREIN.
- SCALE OF TECHNOLOGY DRAWINGS IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER CABLE LENGTHS, SIZE OF PATHWAYS, DIMENSIONS, ETC.
- TECHNOLOGY DRAWINGS SHALL BE USED TO COMPLEMENT THE WRITTEN SPECIFICATIONS.
- ANY DISCREPANCY OR CONFLICT WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. DISCREPANCIES OR CONFLICTS NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SUBSEQUENTLY CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE ARCHITECT'S/ENGINEER'S INTERPRETATION.

INDEX OF DRAWINGS

T000	TECHNOLOGY SYMBOLS, LEGEND & ABBREVIATIONS
T001	TECHNOLOGY SITE PLAN
T111	TECHNOLOGY FIRST FLOOR PLAN
T112	TECHNOLOGY MEZZANINE FLOOR PLAN
T200	TECHNOLOGY TYPICAL DETAILS
T201	AUDIO/VISUAL SIGNAL FLOW DIAGRAMS

