

NOTES:

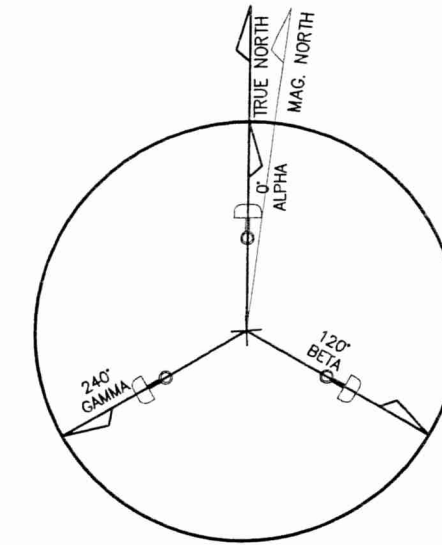
1. ALL MAIN CABLES WILL BE COLOR CODED W/ 2" WIDE VINYL TAPE @ THREE (3) LOCATIONS:
 - a. TOP OF TOWER
 - b. BOTTOM OF TOWER
 - c. OUTSIDE EQUIP CABINET
2. ALL MAIN CABLES WILL UTILIZE GROUND KITS GROUNDED @ THREE (3) POINTS AS FOLLOWS:
 - a. TOP OF TOWER (ANTENNA LEVEL) ONE END MECHANICALLY CONNECTED TO TOWER
 - b. BOTTOM OF TOWER, ONE END MECHANICALLY CONNECTED TO GROUND BAR, SEE ELEC DWGS
 - c. PRIOR TO ENGINEERING EQUIP CABINET, ONE END MECHANICALLY CONNECTED TO EXTERIOR GROUND BAR (EGB), SEE ELEC DWGS
3. ALL TOP JUMPERS WILL BE MAX. 10' IN LENGTH & MIN. OF 3' IN LENGTH
4. ALL COAXIAL CABLES SHOULD BE INSTALLED W/ANY & ALL BENDS WITHIN THE ALLOWABLE BENDING RADIUS AS SPECIFIED IN TABLE FOR EACH SIZE CABLE.
5. COLD SHRINK VAPOR WRAP WILL BE USED TO SEAL ALL COAXIAL CABLE CONNECTIONS
6. ALL COAXIAL CABLE WILL BE SECURED TO SUPPORT HARDWARE @ DISTANCES NOT TO EXCEED 3'-0"

ALPHA SECTOR	1	YELLOW	BROWN	WHITE
	2	FUTURE	FUTURE	FUTURE
	3	YELLOW	WHITE	WHITE
BETA SECTOR	4	RED	BROWN	WHITE
	5	FUTURE	FUTURE	FUTURE
GAMMA SECTOR	6	RED	WHITE	WHITE
	7	GREEN	BROWN	WHITE
	8	FUTURE	FUTURE	FUTURE
	9	GREEN	WHITE	WHITE

3 COLOR CODING

CABLE LENGTHS	CABLE SIZE	MIN. BEND RADIUS
UNDER 100'	= 7/8" DIA	10 INCHES
100' TO 150'	= 1 1/4" DIA	15 INCHES
150' +	= 1 5/8" DIA	20 INCHES

4 COAX BENDING RADIUS



5 ANTENNA ORIENTATION PLAN

2 CABLE REQUIREMENTS



RF Design Template Form

Date: 18-Oct-05		Site Latitude: 29.73925000	
Site Name: Church of the Redeemer		Site Longitude: 95.33439000	
Site Number: HO70XC883-B		Site Address: 4411 2/3 Dallas Street Houston, Texas 77023	
RF Engineer: _____			
Switch: Hou-Vantage 1			
Information from RF Data Form:			
% Pops Improved	122.58	% dB Increase	
% Must Have Met		EVA Index	
Cell Site Equipment Type	Nortel Metrocell		If Other, Explain
If Repeater or DBS			
Repeater Manufacturer	Repeater Model	Number of Carriers to Repeat	
Donor Antenna Type	Donor Antenna Azimuth	Donor Antenna Centerline (ft)	
Donor Site Cascade (for Repeater)	Donor Sector (Repeater)		
Antenna Configuration			
	Sector 1	Sector 2	Sector 3
Parapet Clearance (ft)			
Rad Center (AGL) (ft)	80	80	80
Antenna Manufacturer	Andrew	Andrew	Andrew
Antenna Model Number	UMVD-065-16XD	UMVD-065-16XD	UMVD-065-16XD
Antenna Dimension Height (ft)	6	6	6
Azimuth	0	120	240
Electrical Tilt	2	2	2
Mechanical Tilt	0	0	0
Coax Length (ft)	100	100	100
Coax Diameter (in)	1 5/8	1 5/8	1 5/8
Number of Coax Runs to Order	2	2	2
Number of Antennas to Order	1	1	1
RF Site Design Notes			
Notes			

1 RF CONFIGURATION

ArchComm Design, Inc. Architects
1840 Lockhill-Selma, Suite 101
San Antonio, Texas 78213
(210)308-9905

DATE: OCT 28 2005

EXP. DATE: 02/28/06

CHURCH OF THE REDEEMER
HO70XC883B
4411 2/3 DALLAS STREET, HOUSTON, TX 77023 (911 ADDRESS)

SHEET TITLE
ANTENNA DATA W/ RF CONFIG.

SHEET HISTORY

10.28.05 ISSUE FOR CONSTRUCTION

1. _____

2. _____

3. _____

4. _____

A7

SA055053

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