

EXHIBIT A
AS of 11/16/06



**SITE NUMBER: WI-1011
CHERRY COURT APARTMENTS**

PROJECT INFORMATION

UNMANNED TELECOMMUNICATIONS FACILITY WITH NEW ANTENNAS, NEW MONOPOLE AND NEW EQUIPMENT SHELTER ON GRADE
1525 N. 24th STREET
MILWAUKEE, WI 53208
PROPERTY OWNER: HOUSING AUTHORITY
LATTITUDE: 43°-03'-02.55"
LONGITUDE: 87°-56'-38.04"
TOWN OF MILWAUKEE
TELECOMMUNICATIONS FACILITY

DRAWING INDEX

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2	ENLARGED SITE PLAN
2	LANDSCAPE DETAIL, SILT FENCE & GENERAL NOTES
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0	SITE SURVEY

NOTES

HANDICAPPED REQUIREMENTS
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS REQUIREMENTS
PLUMBING REQUIREMENTS
FACILITY HAS NO PLUMBING

A/E DOCUMENT REVIEW STATUS

STATUS CODE	Comments
1	Accepted-With or no comments, construction may proceed
2	Not Accepted resolve comments and resubmit

Acceptance does not constitute approval of design details, calculations, materials, test methods or materials developed or selected by the subcontractor and does not relieve subcontractor from full compliance with contractual obligations.

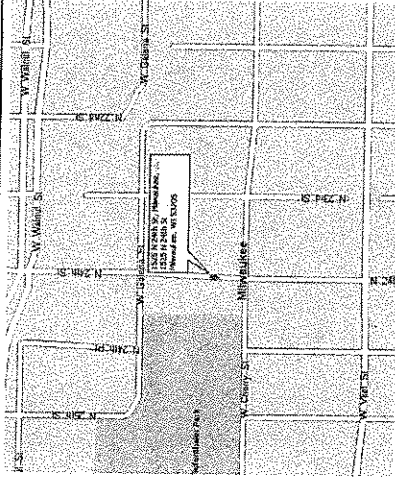
Reviewed	ENG	CONST	Date
By			

CINGULAR WIRELESS APPROVAL

Real Estate	Date
RF	Date
Operation	Date

VICINITY MAP

DIRECTION TO SITE: FROM MILWAUKEE START OUT GOING WEST ON E. WISCONSIN AVENUE TOWARD BROADWAY, TURN RIGHT ONTO N. 24th STREET, END AT 1525 N. 24th STREET.



APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LHA) FOR THE LOCATION. THE LATEST EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
[INTERNATIONAL BUILDING CODE (IBC), 2003 AS ADOPTED BY LOCAL BUILDING AUTHORITY]
ELECTRICAL CODE:
[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2002, NATIONAL ELECTRICAL CODE, AS ADOPTED BY LOCAL BUILDING AUTHORITY]
LIGHTNING PROTECTION CODE:
[NFPA 780 - 2000, LIGHTNING PROTECTION CODE]

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES;
TIA 807, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF LOW VOLTAGE SYSTEM EQUIPMENT
IEEE 62-41, RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TELECOM 68-1275, GENERAL INSTALLATION REQUIREMENTS
TELECOM 68-1503, COAXIAL CABLE CONNECTIONS
ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

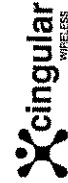
FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND ENVIRONMENTAL PROTECTION METHODS OF CONSTRUCTION, OR OTHER REGULATIONS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DETAIL 103

SITE QUALIFICATION PARTICIPANTS

NAME	COMPANY	NUMBER
RAJESH GOVAL	APEX ENGINEERS, INC.	(302) 627-1800
JIM KAYSING	SITE ACQUIS. CONSULTANTS, INC.	(847) 991-2100
JAMES KOHNER	CINGULAR	(414) 831-6242
XXXXXX	XXXXXXX	XXXXXXX
XXXXXX	XXXXXXX	XXXXXXX
ANTHONY LULLOFF	AERO-METRIC	(920) 848-7708

CHERRY COURT APARTMENTS
SITE NO. WI-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208

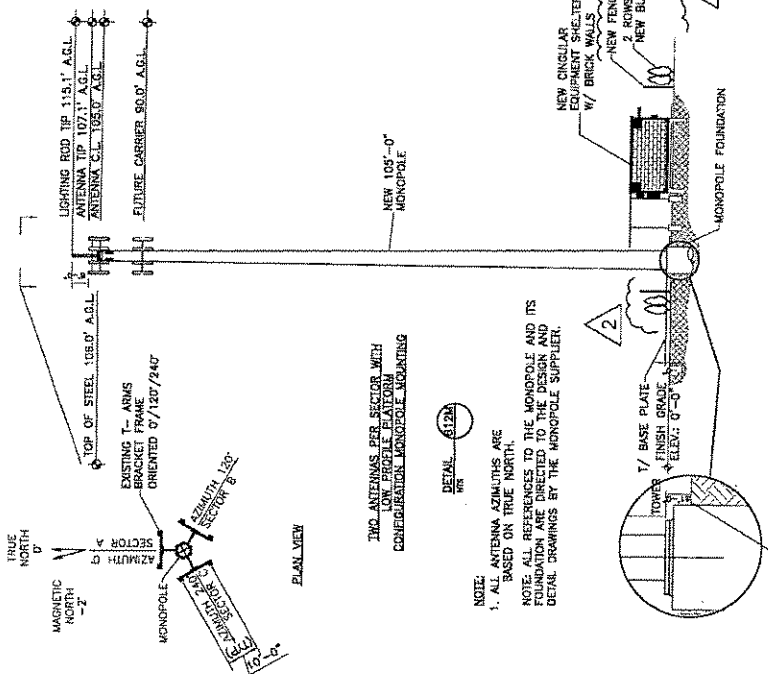
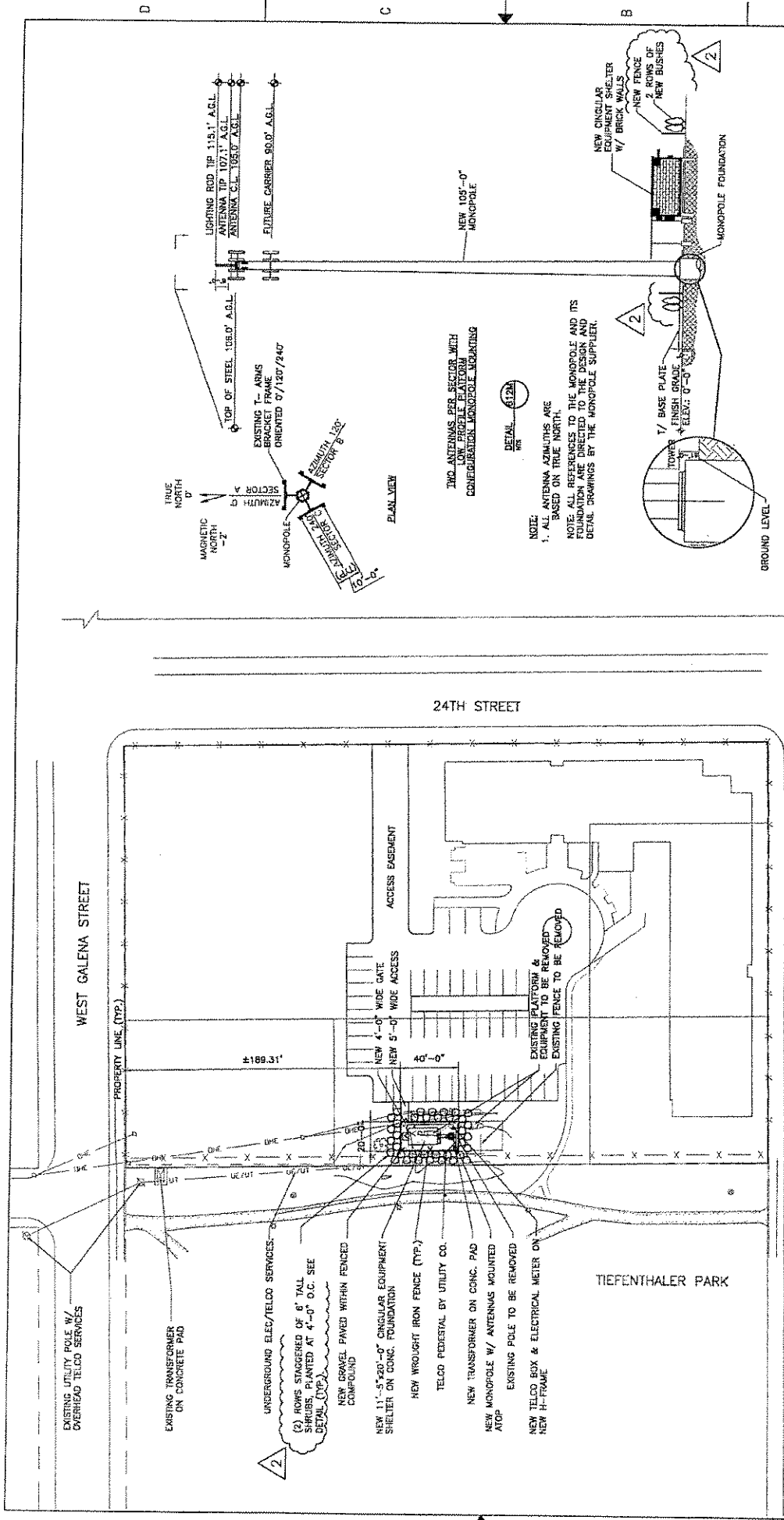


CINGULAR WIRELESS
TITLE SHEET
DRAWING NUMBER
WI-1011-01

NO.	DATE	REVISIONS	BY	CHK
2	10-16-06	ISSUED FOR CLIENT COMMENTS	LI	RF
1	10-28-06	REVISED FOR CLIENT COMMENTS	LI	RF
0	10-20-06	ISSUED FOR CONSTRUCTION	TR	RF

SCALE: AS SHOWN
DRAWN BY: B

Apex Engineers, Inc.
500 Corporate Center
Lombard, Illinois 60148
Ph. (630) 627-1800
Fax. (630) 627-1165
APEX JOB NO. C005-016



PLAN VIEW

NOTE:

1. ALL ANTENNA AZIMUTHS ARE BASED ON TRUE NORTH.

NOTE: ALL REFERENCES TO THE MONOPOLE AND ITS FOUNDATION ARE DIRECTED TO THE DESIGN AND DETAIL DRAWINGS BY THE MONOPOLE SUPPLIER.

DETAIL 612A

TWO ANTENNAS PER SECTOR WITH LOW PROFILE PLATFORM CONFIGURATION. MONOPOLE MOUNTING



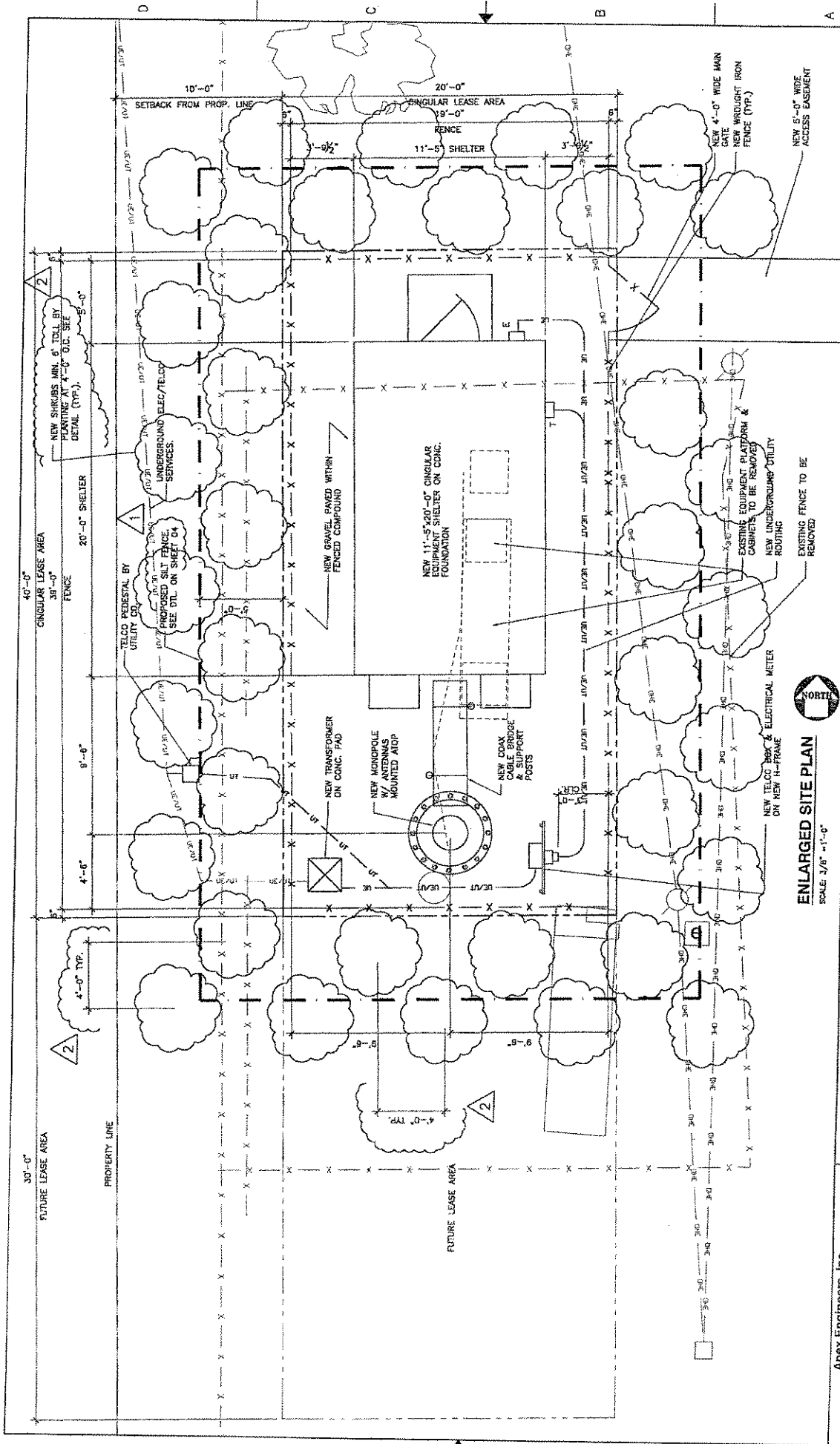
OVERALL SITE PLAN

SCALE: 1/8" = 1'-0"

CHERRY STREET

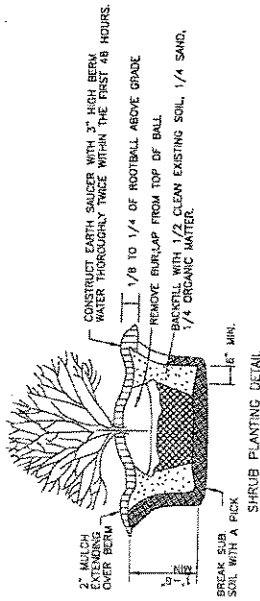
WEST GALENA STREET

<p>Apex Engineers, Inc. Structural & Civil Engineers 500 East 22nd Street, Suite 8 Chicago, Illinois 60601 Ph: (312) 927-1800 Fax: (312) 927-1185 APEX JOB NO. 0203-016</p>		<p>CHERRY COURT APARTMENTS SITE NO. WI-1011 1525 N. 24th STREET MILWAUKEE, WISCONSIN 53208</p>			
<p>OVERALL SITE PLAN & ELEVATION</p> <p>SCALE: AS SHOWN</p> <p>INSURANCE RATE: []</p> <p>ISSUED FOR CONSTRUCTION</p> <p>DATE: []</p> <p>BY: []</p>		<p>CINGULAR WIRELESS</p> <p>SCALE: N.T.S.</p>		<p>WI-1011-02</p> <p>DATE: 11/17/02</p>	
<p>2 10-18-02 REVISED FOR CLIENT COMMENTS</p> <p>0 03-03-02 ISSUED FOR CONSTRUCTION</p>		<p>LI RC RC</p> <p>TE RC RC</p> <p>BY: []</p>		<p>2</p>	



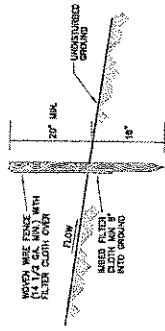
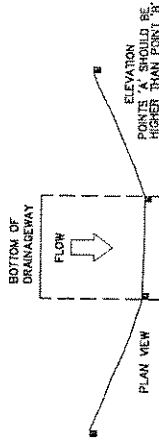
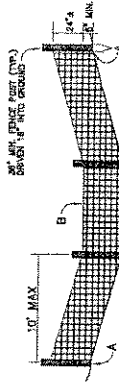
ENLARGED SITE PLAN
SCALE: 3/8" = 1'-0"

<p>Apex Engineers, Inc. Site Engineers 500 East Wisconsin Ave., Suite B Lombard, Illinois 60148 Ph. (630) 627-1800 Fax. (630) 627-1185 APEX JOB No. CUCS-01B</p>		<p>Cherry Court Apartments SITE NO. WI-1011 1525 N. 24th STREET MILWAUKEE, WISCONSIN 53208</p>		<p>cingular WIRELESS</p>																										
<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>CHK.</th> </tr> <tr> <td>1</td> <td>10-14-08</td> <td>REVISED PER CLIENT COMMENTS</td> <td>LI</td> <td>RC</td> </tr> <tr> <td>2</td> <td>08-28-08</td> <td>REVISED PER CLIENT COMMENTS</td> <td>LI</td> <td>RC</td> </tr> <tr> <td>3</td> <td>05-02-08</td> <td>ISSUED FOR CONSTRUCTION</td> <td>TR</td> <td>RC</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td>TR</td> <td>RC</td> </tr> </table>		NO.	DATE	DESCRIPTION	BY	CHK.	1	10-14-08	REVISED PER CLIENT COMMENTS	LI	RC	2	08-28-08	REVISED PER CLIENT COMMENTS	LI	RC	3	05-02-08	ISSUED FOR CONSTRUCTION	TR	RC	4			TR	RC	<p>CIRCULAR WIRELESS ENLARGED SITE PLAN</p>		<p>SCALE: AS SHOWN DRAWN BY: TRB CHECKED BY: RC DATE: 11/17/08</p>	
NO.	DATE	DESCRIPTION	BY	CHK.																										
1	10-14-08	REVISED PER CLIENT COMMENTS	LI	RC																										
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4			TR	RC																										



CONSTRUCT EARTH SAUCER WITH 3" HIGH BERM WATER THOROUGHLY TWICE WITHIN THE FIRST 48 HOURS.
 REMOVE BURLAP FROM TOP OF BALL.
 BACKFILL WITH 1/2 CLEAN EXISTING SOIL, 1/4 SAND, 1/4 ORGANIC MATTER.

SHRUB PLANTING DETAIL



GENERAL NOTES:

- EXISTING PROPERTY INFORMATION WAS TAKEN FROM SITE SURVEY.
- THIS PROPOSAL IS FOR THE PLACEMENT OF TELECOMMUNICATIONS STRUCTURES ON GRADE AND PANEL ANTENNAS ON EXISTING MONOPILE.
- THE NEW FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED)
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY CIRCULAR TECHNICIANS.
- NO NOISE, SMOKE, DUST OR ODOOR WILL RESULT FROM THIS PROPOSAL.
- ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION, DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
- SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND SITE SURVEY. SUBCONTRACTOR SHALL NOTIFY BECHTEL OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH CONSTRUCTION.
- SUBCONTRACTOR SHALL CALL DIGGERS HOTLINE, INC. FOR UNDERGROUND UTILITY THREE DAYS PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES FOR SILT FENCE.

- WOODEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY A MIN. OF 8" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - FENCES TO BE INSPECTED FOLLOWING EACH RAINFALL AND PRIOR TO THE ONSET OF FORECAST STORMS.
- SILT FENCE SPECIFICATIONS
- POSTS = STEEL TYPE "T" OR "U" OR 2" HARDWOOD.
 - FENCE = WOVEN WIRE 14.5 GAUGE.
 - FILTER CLOTH = FILTER X, HURAF 100X STABILINKA T-10N
 - PREFAB UNIT = GEFAB, ENVIROFENCE.
- NOTES:
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE FUNCTIONAL BEFORE LAND IS DISTURBED ON THE SITE.
 - THE SURFACE OF STRIPPED AREAS SHALL PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS NOT AT FINAL GRADE THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
 - IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED FOR SUCH STOCKPILE.
 - WATER PUMPED OR DISCHARGED FROM THE SITE DURING CONSTRUCTION SHALL BE FILTERED.



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APEX JOB NO. C035-016

CHERRY COURT APARTMENTS
 SITE NO. WI-1011
 1825 N. 24th STREET
 MILWAUKEE, WISCONSIN 53208



CINGULAR WIRELESS
 LANDSCAPE DETAIL, SILT FENCE &
 GENERAL NOTES

DRAWN BY: [blank]
 SCALE: AS SHOWN
 DESIGNED BY: [blank]
 CHECKED BY: [blank]
 DATE: [blank]

NO. DATE REVISIONS BY CHK/APP/DATE

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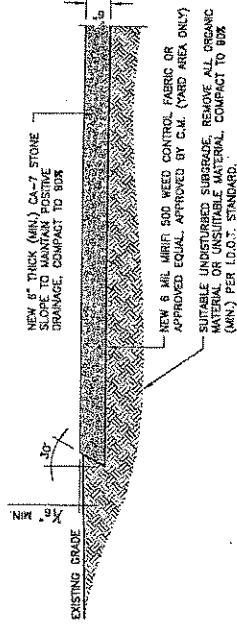
232 232

FOUNDATION GENERAL NOTES:

1. THE SITE SHALL BE STRIPPED OF ALL VEGETATION PRIOR TO RILL OR CONSTRUCTION OF THE FOUNDATION PAD.
2. ALL FILL SAND SHALL BE 0-15 P.S.I. WITH A COMPACTION TEST RUN ON EACH 6" LIFT - COMPACTED TO BOX ACCORDING PROCTOR.
3. ANY SOFT AREAS (TREE STUMP HOLES, ETC.) SHALL BE CUT OUT AND RECOMPACTED TO SAND PROCTOR.
4. THE CONTRACTOR SHALL KEEP THE SITE SO IT WILL HAVE POSITIVE DRAINAGE AT ALL TIMES.
5. ALL EXCAVATIONS SHALL BE FREE OF WATER BEFORE POURING CONCRETE.
6. MINIMUM SOIL BEARING CAPACITY OF 2,500 PSF IN ALL FOUNDATION AND SLAB AREAS.

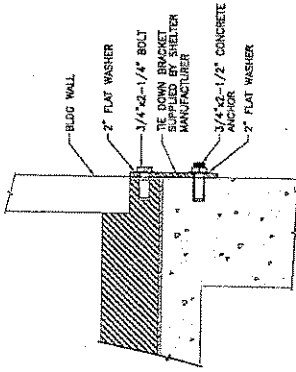
NOTES

NOTE:
WEED CONTROL FABRIC SHALL BE USED UNDER ALL AREAS OF THE YARD, AS NOTED ON SITE PLAN.



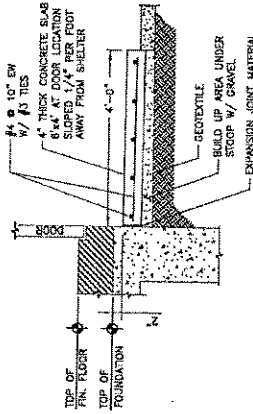
YARD PAVEMENT DETAIL

N.T.S.



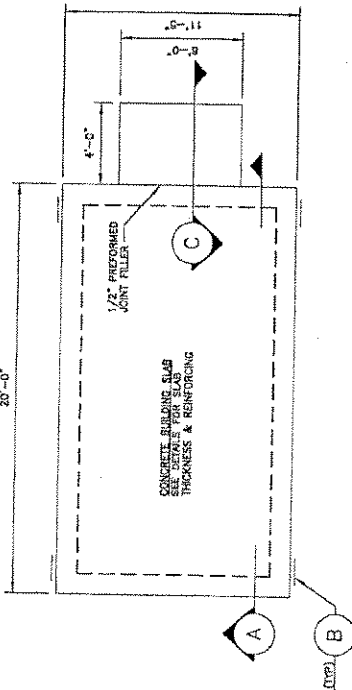
BLDG/FND ATTACHMENT DETAIL B

N.T.S.



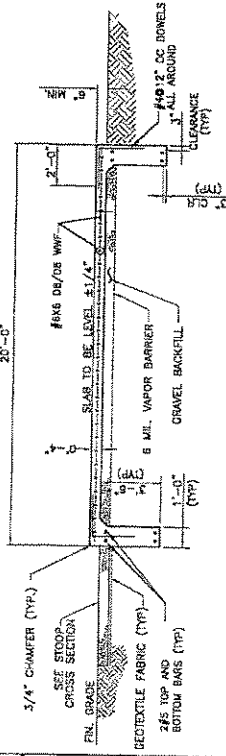
STOOP DETAIL C-C

N.T.S.



SHELTER FOUNDATION PLAN

N.T.S.



BLDG/FND ATTACHMENT SECTION A-A

N.T.S.

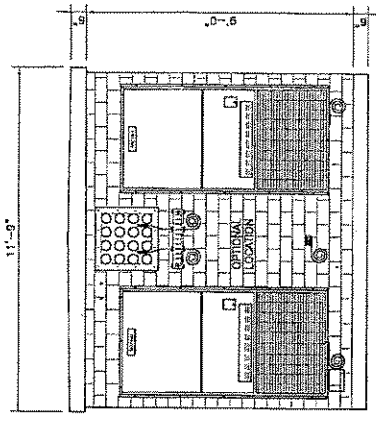
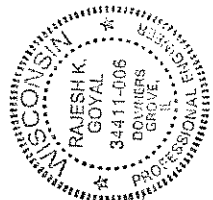
- NOTES:**
1. CONCRETE FINISH TO BE CLASS A TOLERANCE.
 2. BOTTOM OF FOUNDATION SHALL BE 6" BELOW FROST LINE AND BEAR ON UNDISTURBED SOIL.
 3. TEST FOR 3000 PSI AT 7, 14, & 28 DAYS PER POUR BY INDEPENDENT LAB.
 4. ALL CONCRETE TO BE SIX SACK MIX.
 5. PERFORM CONCRETE SLUMP TEST (4\"/>

Apex Engineers, Inc.
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Lombard, Illinois 60
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Fax. (630) 627-1765
APEX JOB NO. C095-016

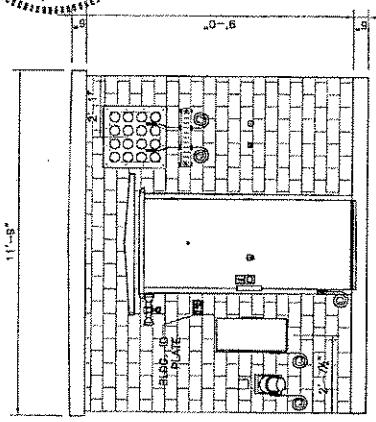
CHERRY COURT APARTMENTS
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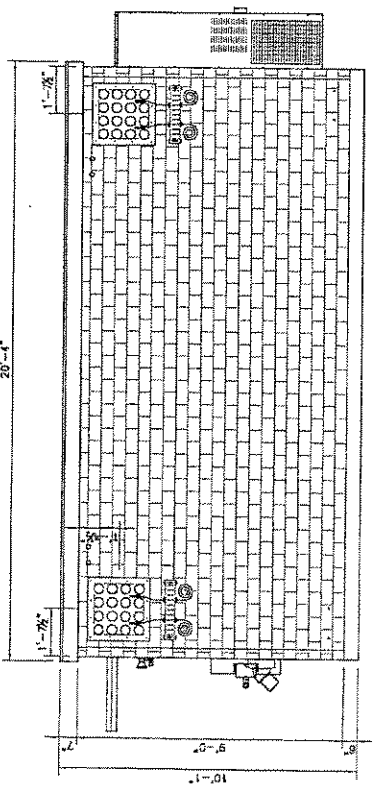
DATE	BY	SCALE
01-02-05	BY: DKA/PTD	AS SHOWN
ISSUED FOR CONSTRUCTION	REVISIONS	DESIGNED BY: WY
NO. 1	NO. 1	DRAWN BY: WY
NO. 2	NO. 2	SCALE: 1/4" = 1'-0"
NO. 3	NO. 3	DATE: 01-02-05
NO. 4	NO. 4	BY: DKA/PTD
NO. 5	NO. 5	SCALE: AS SHOWN
NO. 6	NO. 6	DESIGNED BY: WY
NO. 7	NO. 7	SCALE: 1/4" = 1'-0"
NO. 8	NO. 8	DATE: 01-02-05
NO. 9	NO. 9	BY: DKA/PTD
NO. 10	NO. 10	SCALE: AS SHOWN
NO. 11	NO. 11	DESIGNED BY: WY
NO. 12	NO. 12	SCALE: 1/4" = 1'-0"
NO. 13	NO. 13	DATE: 01-02-05
NO. 14	NO. 14	BY: DKA/PTD
NO. 15	NO. 15	SCALE: AS SHOWN
NO. 16	NO. 16	DESIGNED BY: WY
NO. 17	NO. 17	SCALE: 1/4" = 1'-0"
NO. 18	NO. 18	DATE: 01-02-05
NO. 19	NO. 19	BY: DKA/PTD
NO. 20	NO. 20	SCALE: AS SHOWN
NO. 21	NO. 21	DESIGNED BY: WY
NO. 22	NO. 22	SCALE: 1/4" = 1'-0"
NO. 23	NO. 23	DATE: 01-02-05
NO. 24	NO. 24	BY: DKA/PTD
NO. 25	NO. 25	SCALE: AS SHOWN
NO. 26	NO. 26	DESIGNED BY: WY
NO. 27	NO. 27	SCALE: 1/4" = 1'-0"
NO. 28	NO. 28	DATE: 01-02-05
NO. 29	NO. 29	BY: DKA/PTD
NO. 30	NO. 30	SCALE: AS SHOWN
NO. 31	NO. 31	DESIGNED BY: WY
NO. 32	NO. 32	SCALE: 1/4" = 1'-0"
NO. 33	NO. 33	DATE: 01-02-05
NO. 34	NO. 34	BY: DKA/PTD
NO. 35	NO. 35	SCALE: AS SHOWN
NO. 36	NO. 36	DESIGNED BY: WY
NO. 37	NO. 37	SCALE: 1/4" = 1'-0"
NO. 38	NO. 38	DATE: 01-02-05
NO. 39	NO. 39	BY: DKA/PTD
NO. 40	NO. 40	SCALE: AS SHOWN
NO. 41	NO. 41	DESIGNED BY: WY
NO. 42	NO. 42	SCALE: 1/4" = 1'-0"
NO. 43	NO. 43	DATE: 01-02-05
NO. 44	NO. 44	BY: DKA/PTD
NO. 45	NO. 45	SCALE: AS SHOWN
NO. 46	NO. 46	DESIGNED BY: WY
NO. 47	NO. 47	SCALE: 1/4" = 1'-0"
NO. 48	NO. 48	DATE: 01-02-05
NO. 49	NO. 49	BY: DKA/PTD
NO. 50	NO. 50	SCALE: AS SHOWN
NO. 51	NO. 51	DESIGNED BY: WY
NO. 52	NO. 52	SCALE: 1/4" = 1'-0"
NO. 53	NO. 53	DATE: 01-02-05
NO. 54	NO. 54	BY: DKA/PTD
NO. 55	NO. 55	SCALE: AS SHOWN
NO. 56	NO. 56	DESIGNED BY: WY
NO. 57	NO. 57	SCALE: 1/4" = 1'-0"
NO. 58	NO. 58	DATE: 01-02-05
NO. 59	NO. 59	BY: DKA/PTD
NO. 60	NO. 60	SCALE: AS SHOWN
NO. 61	NO. 61	DESIGNED BY: WY
NO. 62	NO. 62	SCALE: 1/4" = 1'-0"
NO. 63	NO. 63	DATE: 01-02-05
NO. 64	NO. 64	BY: DKA/PTD
NO. 65	NO. 65	SCALE: AS SHOWN
NO. 66	NO. 66	DESIGNED BY: WY
NO. 67	NO. 67	SCALE: 1/4" = 1'-0"
NO. 68	NO. 68	DATE: 01-02-05
NO. 69	NO. 69	BY: DKA/PTD
NO. 70	NO. 70	SCALE: AS SHOWN
NO. 71	NO. 71	DESIGNED BY: WY
NO. 72	NO. 72	SCALE: 1/4" = 1'-0"
NO. 73	NO. 73	DATE: 01-02-05
NO. 74	NO. 74	BY: DKA/PTD
NO. 75	NO. 75	SCALE: AS SHOWN
NO. 76	NO. 76	DESIGNED BY: WY
NO. 77	NO. 77	SCALE: 1/4" = 1'-0"
NO. 78	NO. 78	DATE: 01-02-05
NO. 79	NO. 79	BY: DKA/PTD
NO. 80	NO. 80	SCALE: AS SHOWN
NO. 81	NO. 81	DESIGNED BY: WY
NO. 82	NO. 82	SCALE: 1/4" = 1'-0"
NO. 83	NO. 83	DATE: 01-02-05
NO. 84	NO. 84	BY: DKA/PTD
NO. 85	NO. 85	SCALE: AS SHOWN
NO. 86	NO. 86	DESIGNED BY: WY
NO. 87	NO. 87	SCALE: 1/4" = 1'-0"
NO. 88	NO. 88	DATE: 01-02-05
NO. 89	NO. 89	BY: DKA/PTD
NO. 90	NO. 90	SCALE: AS SHOWN
NO. 91	NO. 91	DESIGNED BY: WY
NO. 92	NO. 92	SCALE: 1/4" = 1'-0"
NO. 93	NO. 93	DATE: 01-02-05
NO. 94	NO. 94	BY: DKA/PTD
NO. 95	NO. 95	SCALE: AS SHOWN
NO. 96	NO. 96	DESIGNED BY: WY
NO. 97	NO. 97	SCALE: 1/4" = 1'-0"
NO. 98	NO. 98	DATE: 01-02-05
NO. 99	NO. 99	BY: DKA/PTD
NO. 100	NO. 100	SCALE: AS SHOWN



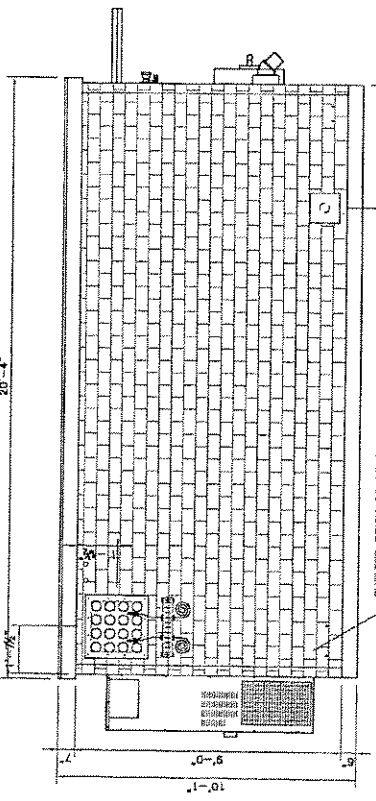
ELEVATION B



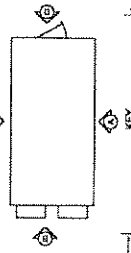
ELEVATION D



ELEVATION C



ELEVATION A



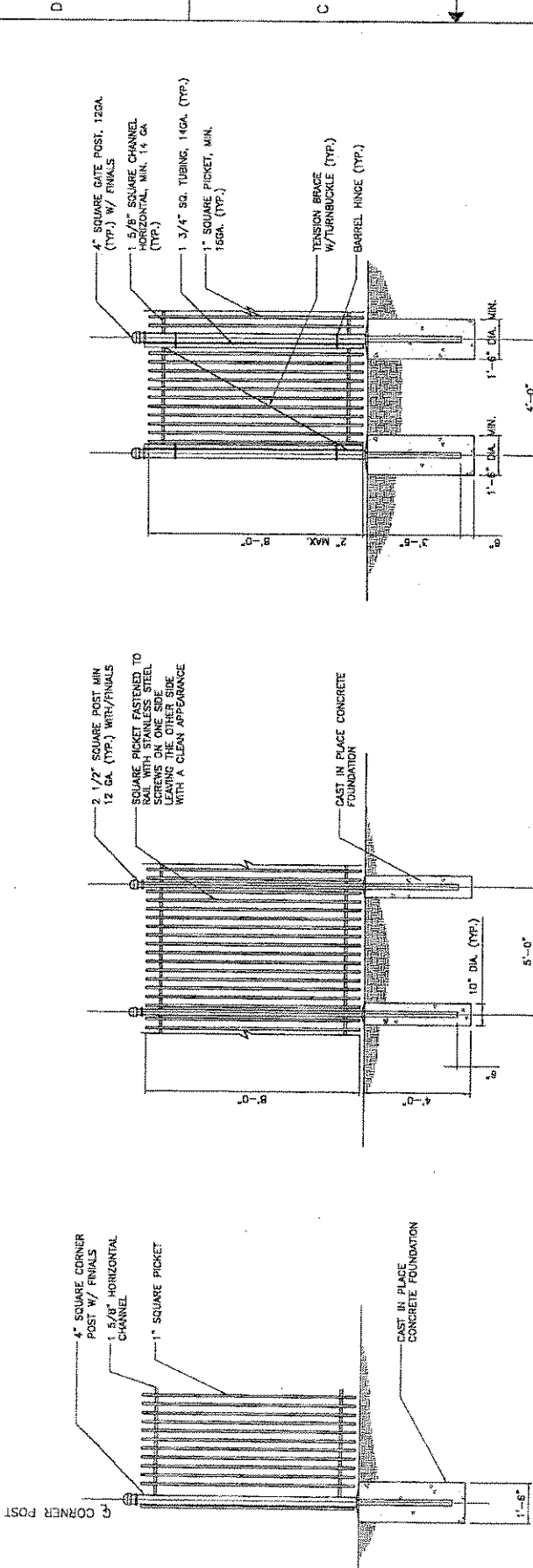
Apex Engineers, Inc.
 Structural & Civil Engineers
 500 East 22nd Street, Suite B
 Milwaukee, WI 53212
 Ph. (414) 627-1100
 Fax. (414) 627-1165
 APEX JOB NO. CDS-016

Cherry Court Apartments
 SITE NO. WI-1011
 1525 N. 24th Street
 Milwaukee, Wisconsin 53208

Cingular
 WIRELESS

NO.	DATE	REVISIONS	DESIGNED BY TD	ISSUED BY TB	SCALE	AS SHOWN
1	02-02-08	SHIELD FOR CONSTRUCTION				
2						

CINGULAR WIRELESS
 SHIELD ELEVATIONS
 WI-1011-08



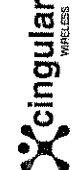
FENCE NOTES:

1. THE ORNAMENTAL METAL FENCING SHALL BE MANUFACTURED FROM COIL WITH A TENSILE STRENGTH OF 50,000 PSI. THE STEEL SHALL BE GALVANNEAL WITH MINIMUM WEIGHT REQUIREMENTS OF ASTM A653 WITH A MIN. ZINC COATING OF 0.8 OZ. PER SQFT.
2. THE FINISH COATING SHALL CONSIST OF BASE COAT OF THERMOSETTING EPOXY POWER COATING WITH MIN. THICKNESS OF 2-4 MILS AND A TOP-COAT OF "NO-MAR" POLYESTER POWDER COATING WITH MIN. THICKNESS OF 2-4 MILS. FINAL COLOR TO MATCH EXISTING (V.I.F.).
3. C.C. TO VERIFY IN FIELD AND TO MATCH EXISTING FENCE.



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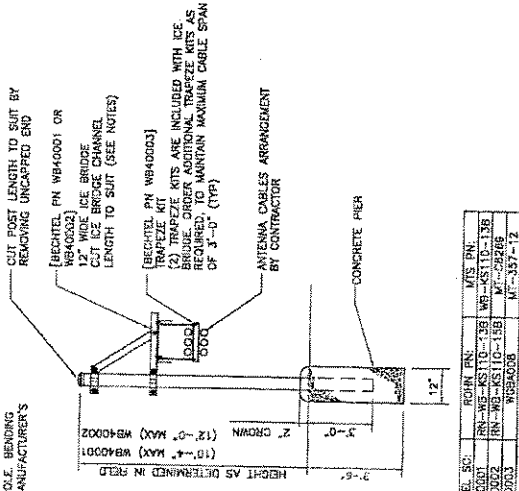
CHERRY COURT APARTMENTS
SITE NO. WI-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208



CINGULAR WIRELESS

DETAILS		
NO.	DATE	REVISIONS
C 01-07-08		START FOR CONSTRUCTION
	TR	NO. NO.
	BY	CHK/APP/RC
SCALE: AS SHOWN	DESIGNED BY/TH	DRAWN BY/TH

* INSTALL DRIP LOOP ON ANTENNA CABLES AT BOTTOM OF TOWER/MONOPOLE. BENDING RADIUS PER MANUFACTURER'S STANDARDS



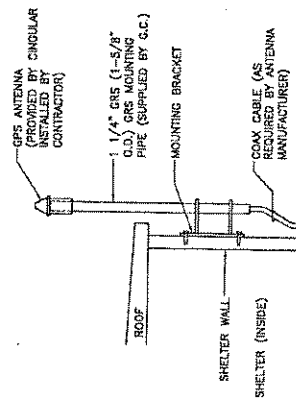
BECHTEL NO.	ROHR PN	MFG	PN
WB40001	WB-AS110-29	WB	AS110-138
WB40002	WB-AS110-199	WB	AS110-29269
WB40003	WB-AS110-199	WB	AS110-29269

- NOTES:
- WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 8 FEET FOR 10 FEET BRIDGE CHANNEL.
 - WHEN USING COMPONENTS FOR SPLICING BRIDGE CHANNEL SECTIONS, THE DRIVE SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
 - WHEN USING COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH MAXIMUM CENTER-TO-CENTER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
 - CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES, TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL OR EQUIVALENT, FINISH.
 - ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 - DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 - DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.

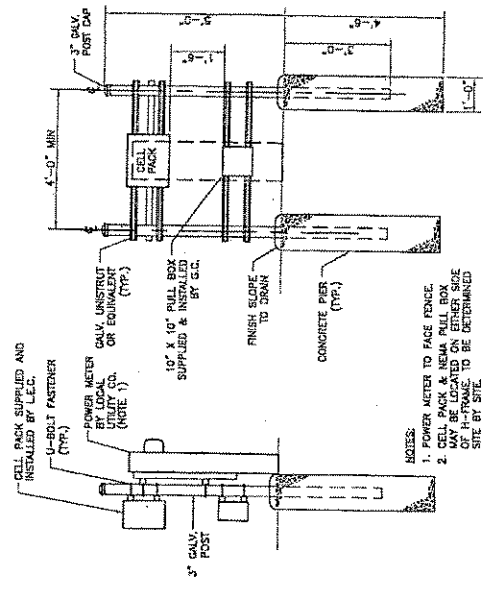
ICE BRIDGE
DETAIL 1.55
N.T.S.

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P.O. Box 6300 627-1150
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APEX JOB NO. C105-018

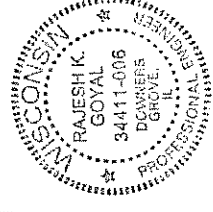
CHERRY COURT APARTMENTS
SITE NO. WI-1011
1325 N. 24th STREET
MILWAUKEE, WISCONSIN 53208



GPS ANTENNA MOUNTING DETAIL
N.T.S.



H-FRAME DETAIL
1010
N.T.S.



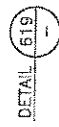
NO.	DATE	ISSUED FOR CONSTRUCTION	BY	CHK'D BY	SCALE	AS SHOWN	ISSUED BY	DATE
1	02-03-06	ISSUED FOR CONSTRUCTION	TR	RL	1/4" = 1'-0"		TR	02/03/06

CIRCULAR WIRELESS
DETAILS
WI-1011-06

NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. 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 CONTRACTOR. EXTREME CAUTION SHOULD BE EXERCISED BY SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE, BUT NOT BE LIMITED TO: A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBERSE, STUAPS, DEBRIS, STOPS, STRAPS AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LOCALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH DO NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BIS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR ENHANCEMENT MATERIAL SHALL BE PLACED ON FROZEN OR SOFT FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR ENHANCEMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT TO BE RECLAIMED OR RESTORED TO ORIGINAL CONDITION SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

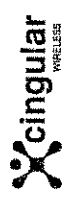
SITE WORK GENERAL NOTES:



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APEX JOB NO. CDS-016



Cherry Court Apartments
SITE NO. WI-1011
1545 N. 24th STREET
MILWAUKEE, WISCONSIN 53208



NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PREVIOUS EDITIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.
2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL BE WELDED TO THE MANUFACTURER'S SPECIFICATIONS. ALL WELDS SHALL PROVIDE THE MINIMUM SIZE PER TABLE 1.4 IN THESE DRAWINGS. PAINTED SURFACES SHALL BE TOUCHED UP.
3. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4") CONNECTIONS AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. NEW JET BOLTS UNLESS NOTED OTHERWISE.
5. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS. NO REBAR SHALL BE CUT WITHOUT APPROVAL ON THE DRAWINGS. APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.

STRUCTURAL STEEL NOTES:



CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. ALL PULSES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNB.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#5 AND LARGER 2 IN.
#3 AND SMALLER & W/F 1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
BEAMS AND WALLS 3/4 IN.
SLABS AND COLUMNS 1 1/2 IN.
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNB, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS. NO REBAR SHALL BE CUT WITHOUT APPROVAL ON THE DRAWINGS. APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.

CONCRETE AND REINFORCING STEEL NOTES

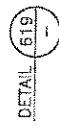


GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - BECHTEL
SUBCONTRACTOR (CONSTRUCTION)
OWNER - CINCINNATI
GEN - ORIGINAL EQUIPMENT MANUFACTURE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS AND STANDARDS. ALL MATERIALS SHALL BE APPROVED BY THE OWNER AND AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
ALL WORK SHOWN ON THIS DRAWING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
4. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR. CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING.
5. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS CORRAL MATERIALS FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
7. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 24792-000-3495-0001-0002, "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF DINGBARR 084 SITE".



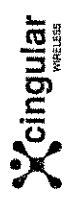
SITE WORK GENERAL NOTES:



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Fax. (931) 627-1185
APEX JOB NO. CDS-016



Cherry Court Apartments
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MILWAUKEE, WISCONSIN 53208



ABBREVIATIONS

- ACL ABOVE GRADE LEVEL
- BIS BASE TRANSMITTER STATION
- (E) EXISTING
- MIN MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- RF RADIO FREQUENCY
- T.B.D. TO BE DETERMINED
- T.B.R. TO BE RESOLVED
- TRP TYPICAL
- REQ REQUIRED
- EGR EQUIPMENT GROUND RING
- AMS AMERICAN WIRE GAUGE
- MCB MASTER GROUND BUS
- EG EQUIPMENT GROUND
- BCW BARE COPPER WIRE
- SMD SMART INTEGRATED ACCESS DEVICE
- GEN GENERATOR
- ISR INTERIOR GROUND RING (RAID)
- RBS RADIO BASE STATION

SYMBOLS

- 5/8" SOLID GROUND BUS BAR
- 5/8" SOLID NEUTRAL BUS BAR
- 2-POLE THERMAL-MAGNETIC SUPPLEMENTAL GROUND CONDUCTOR
- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- CHEMICAL GROUND ROD
- GROUND ROD
- DISCONNECT SWITCH
- METER
- EXOTHERMIC WELD (CROWWELD) (UNLESS OTHERWISE NOTED)
- 5/8" x 10' COPPER CLAD STEEL GROUND ROD WITH INSPECTION SLEEVE
- EXOTHERMIC WELD (CROWWELD) WITH INSPECTION SLEEVE
- GROUNDING WIRE

ABBREVIATIONS & SYMBOLS

CINCULAR WIRELESS	
CONSTRUCTION NOTES	
NO.	REVISIONS
1	ISSUED FOR CONSTRUCTION
2	REVISIONS
3	REVISIONS
4	REVISIONS
5	REVISIONS
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SCALE: AS SHOWN
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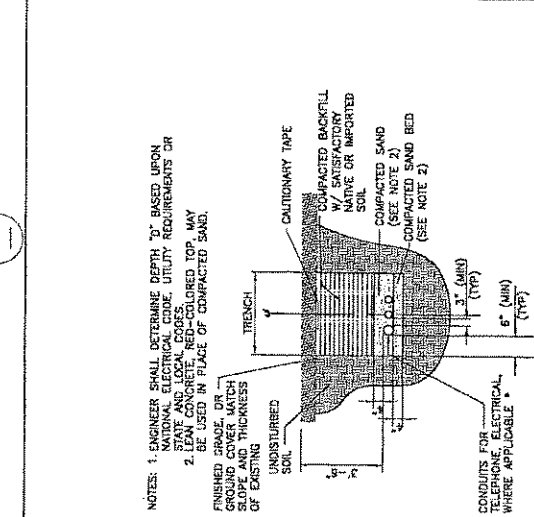
ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES. 2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND ILLINOIS.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND ILLINOIS.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-SHAPE CABLE TRAY RUNS.
- EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E. HOT), GROUNDING, AND TI CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & ILLINOIS.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BREAKER CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#8 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, WITH OUTER JACKET, LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WRENCHES BY THOMAS AND BECKETT (OR EQUAL). LUGS AND WRENCHES SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF APPLICABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEC, UL, ANS/IEEE, AND NEC.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC TUBING (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
- RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED FOR CONCEALED, DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEC, UL, ANS/IEEE, AND NEC.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD. SHALL BE PANELBUT TYPE E (OR EQUAL), AND RATED NEMA 1 (OR BETTER).

ELECTRICAL INSTALLATION NOTES (cont.):

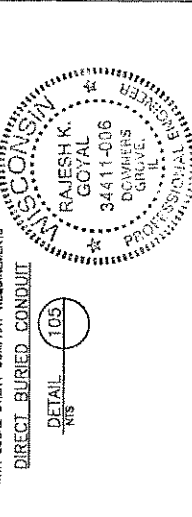
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL SHALL BE EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS OR NEMA 3R (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

DETAIL 622



* CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

DETAIL 105



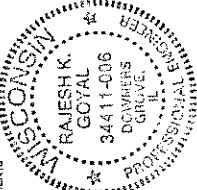
* CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTING PROTECTION, AND OTHER USES) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (SEE IEEE 100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE SUB-CONTRACTOR SHALL FURNISH A TEST REPORT WITH THE TEST RESULTS AND RECORDS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND BONDING AND INSULATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #8 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CONDUITS TO ITS EQUIPMENT.
- EACH ITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BITS; 2 AWG STRANDED COPPER FOR OUTDOOR BITS. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE FURNISHED.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/SIGNAL BARS AND THE GROUND RING, SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED, ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- USE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BUS.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRES WITH 1-#2 AWG TIN-PLATED COPPER GROUND CONDUCTOR.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM PART OF THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET PLEASANT APPEARANCE, USE OF METALLIC CONDUIT IS UNACCEPTABLE. NON-METALLIC CONDUIT SHALL BE USED FOR ALL METALLIC CONDUIT IS UNACCEPTABLE (I.E., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

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500 East 22nd Street, Suite 6
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APEX JOB NO. CDS-016

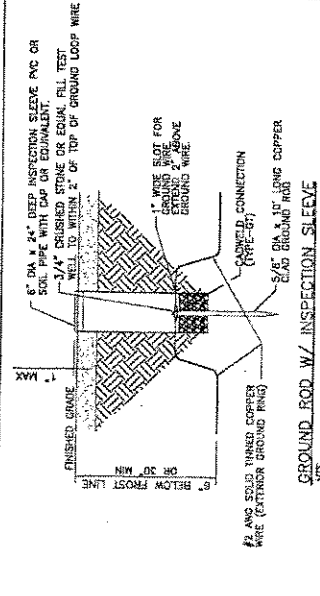
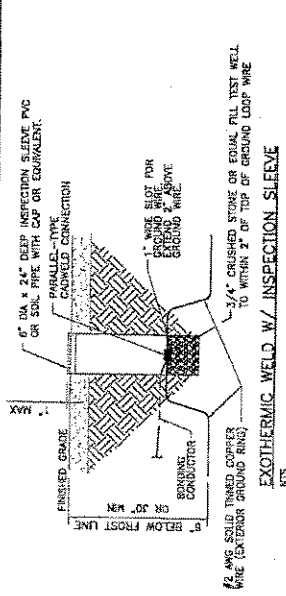
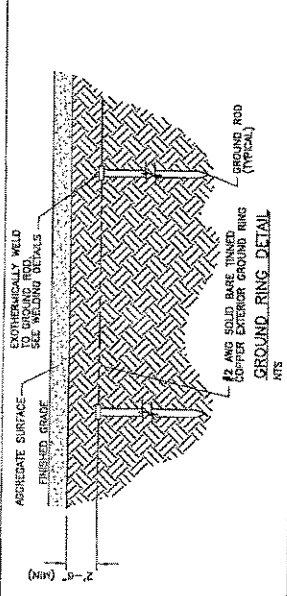
CHERRY COURT APARTMENTS
SITE NO. WI-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208



NO.	DATE	REVISION	DESIGNED BY	DRAWN BY	SCALE	AS SHOWN	2
1	03-10-06	ISSUED FOR CONSTRUCTION					
CINGULAR WIRELESS							
ELECTRICAL NOTES & DETAIL							
DRAWING NUMBER							WI-1011-10
PROJECT							1117700

GENERAL NOTES:

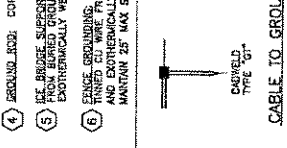
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SPECIFIC SITE CONDITIONS.
- ALL EXTERIOR GROUNDING CABLE AND TIP OF GROUNDING RODS SHALL BE BURIED A MINIMUM DEPTH OF 2'-0" BELOW FINISHED GRADE, OR 6" BELOW FROST LINE, WHICHEVER IS DEEPER.
- ALL GROUNDING CONDUCTORS SHALL BE #2 SOLID TINNED COPPER CABLE.
- GROUND SYSTEM SHALL BE TESTED PER SPECIFICATIONS AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS.
- ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.



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 APEX JOB NO. D035-016

KEYED NOTES:

- INTERNAL GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO BURNING TOWER AND MAKE EXOTHERMIC CONNECTION.
- HATCHPLATE GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE HATCHPLATE GROUND BAR AND MAKE A MECHANICAL CONNECTION.
- GROUNDING OF INTERNAL GROUND RING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE HATCHPLATE GROUND BAR AND MAKE A MECHANICAL CONNECTION.
- GROUND ROD: COPPER/ALU STEEL, 5/8" DIA. TEN (10) FEET LONG.
- ICE BRIDGE SUPPORT POST GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO ALL ICE BRIDGE SUPPORT POSTS AND EXOTHERMICALLY WELD.
- FENCE GROUNDING: IF FENCE IS WITHIN 5' OF GROUND RING, EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO FENCE CORNER POSTS AND EXOTHERMICALLY WELD. BOND INTERMEDIATE POSTS IF REQUIRED TO MAINTAIN 25' MAX SPACING.



EXOTHERMIC WELDING DETAILS
 NTS



7 HANG GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE HANG UNIT AND MAKE A MECHANICAL CONNECTION.

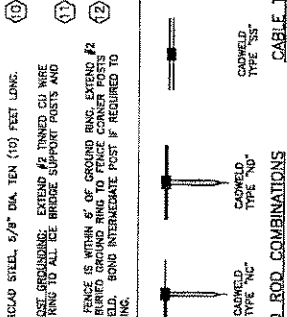
8 TOWER GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE TOWER AND MAKE A MECHANICAL CONNECTION.

9 CELL REFERENCE GROUND BAR: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE CELL REFERENCE GROUND BAR (INSIDE SHELTER) AND MAKE A MECHANICAL CONNECTION.

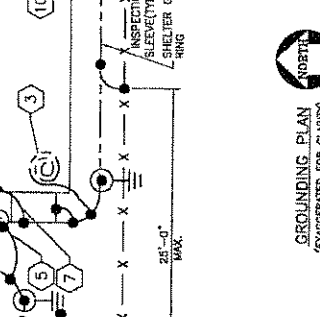
10 TOWER GROUND BAR: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING UP TO TOWER GROUND BAR (INSIDE SHELTER) AND MAKE A MECHANICAL CONNECTION.

11 ANTENNA GROUND BAR: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING UP TO TOWER GROUND BAR (INSIDE SHELTER) AND MAKE A MECHANICAL CONNECTION.

12 GATE GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO GATE POSTS AND EXOTHERMICALLY WELD.



EXOTHERMIC WELDING DETAILS
 NTS



7 HANG GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE HANG UNIT AND MAKE A MECHANICAL CONNECTION.

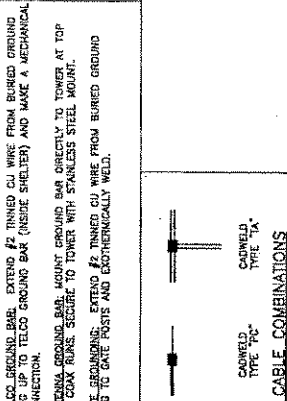
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9 CELL REFERENCE GROUND BAR: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE CELL REFERENCE GROUND BAR (INSIDE SHELTER) AND MAKE A MECHANICAL CONNECTION.

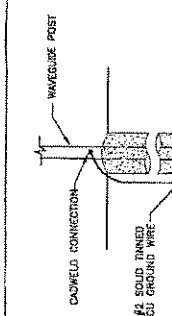
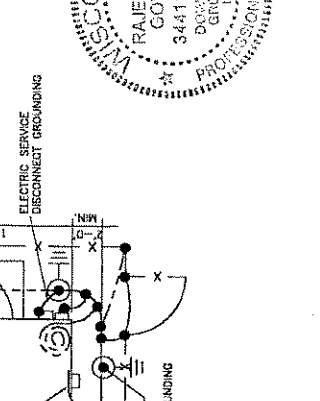
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12 GATE GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO GATE POSTS AND EXOTHERMICALLY WELD.

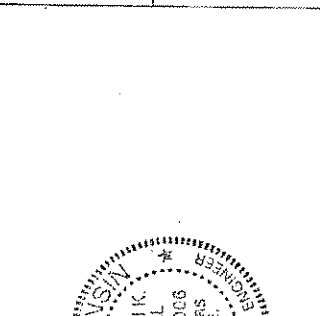


EXOTHERMIC WELDING DETAILS
 NTS

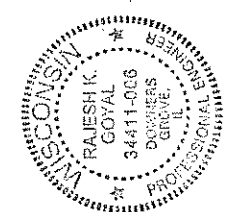


WAVEGUIDE POST GROUNDING DETAIL
 NTS

EXOTHERMIC WELDING DETAILS
 NTS



Cherry Court Apartments
 SITE NO. WI-1011
 1525 N. 24th STREET
 MILWAUKEE, WISCONSIN 53208



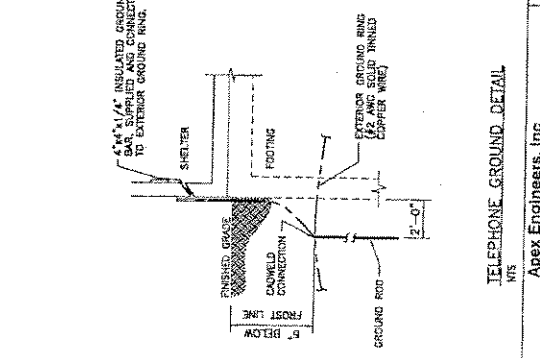
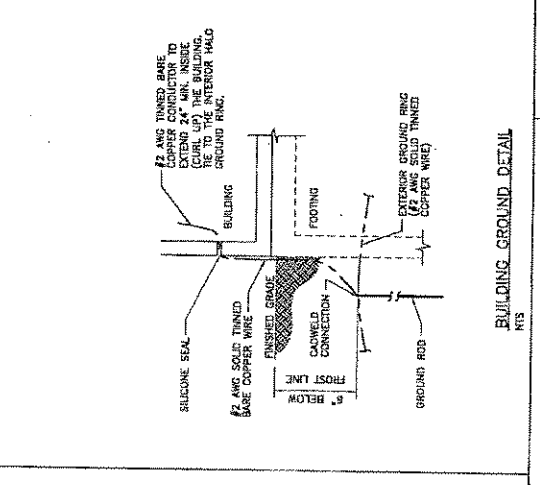
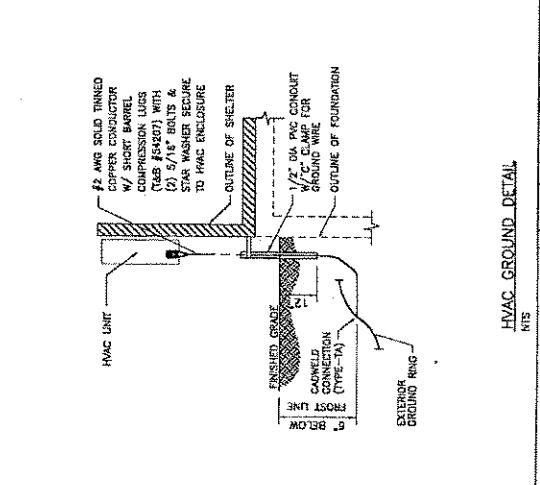
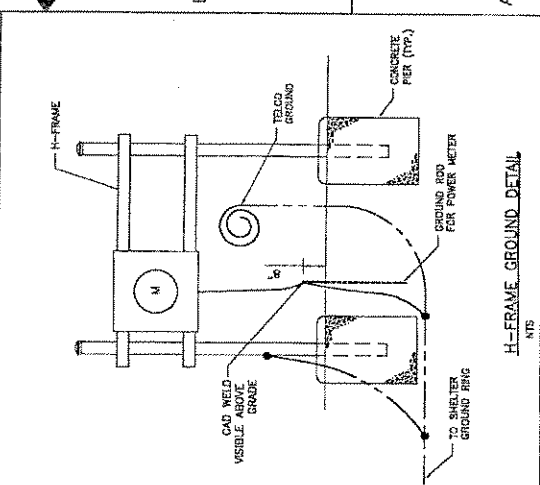
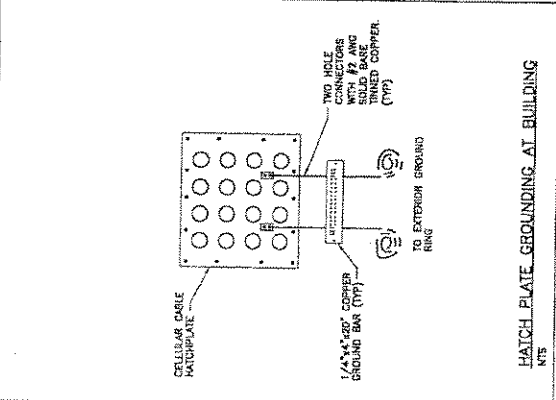
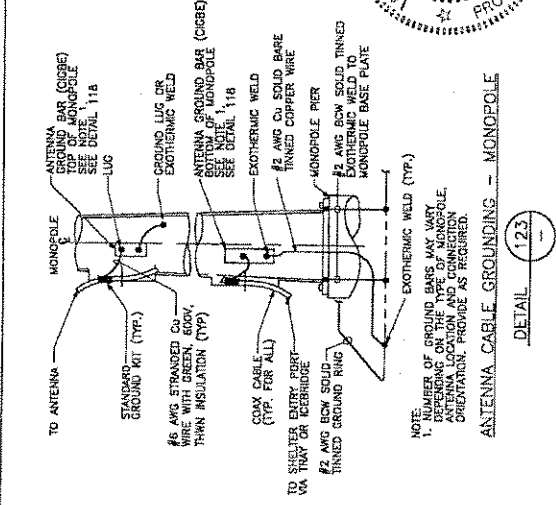
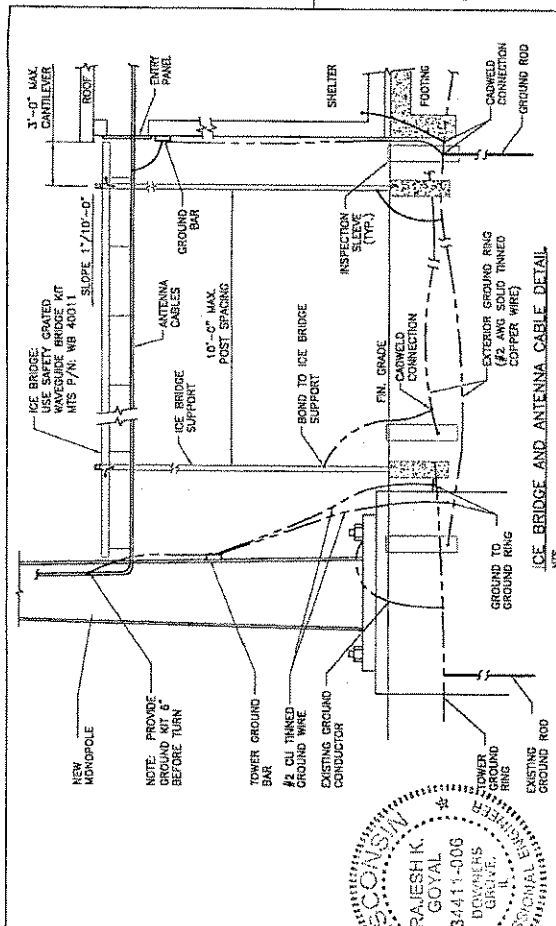
ISSUED FOR CONSTRUCTION	DATE	BY	REVISIONS
3-10-20-04		RAJESH K. GOVAL	

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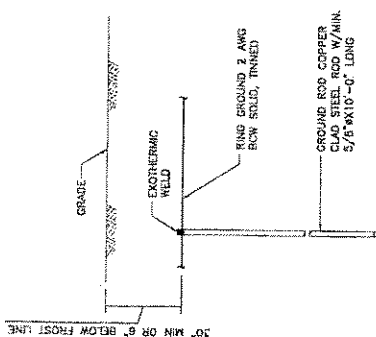
CHERRY COURT APARTMENTS
 SITE NO. WI-1011
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 APEX JOB NO. CR05-076

NO.	DATE	ISSUED FOR CONSTRUCTION	BY	CHK'D BY
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2			BY	DC, EC, JPL

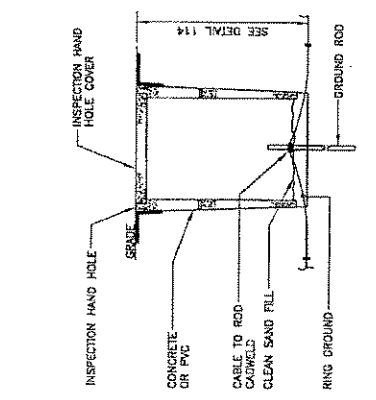
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DATE: 01-10-08 PROJECT: CHERRY COURT APARTMENTS SHEET: WI-1011-13



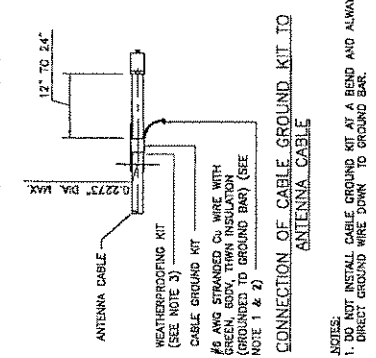
NOTE:
GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.

GROUND ROD
DETAIL 114
NTS



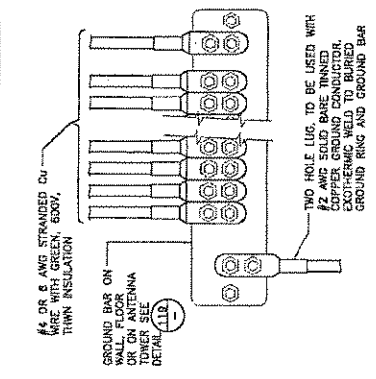
NOTE: INSPECTION HAND HOLE MAY BE CONCRETE OR PVC AND SHALL BE A MINIMUM OF 8" IN WIDTH/DIAMETER

GROUND ROD WITH ACCESS AREA
DETAIL 644
NTS



CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

DETAIL 121
NTS



INSTALLATION OF GROUND WIRE TO GROUND BAR

DETAIL 118
NTS

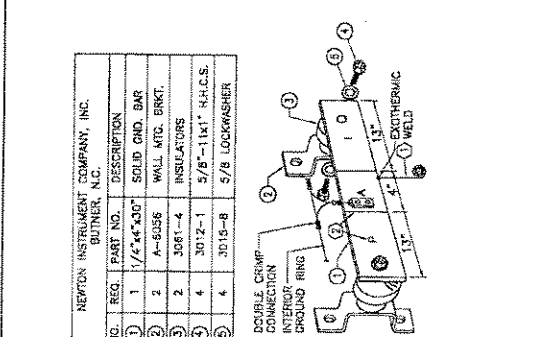
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END. TAGS WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION 1 - SURGE PROTECTORS
CABLE ENTRY POINTS (HATCH PLATES) (#2)
GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
TELCO GROUNDING BAR (#2)
COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
+24V POWER SUPPLY RETURN BAR (#2)
-48V POWER SUPPLY RETURN BAR (#2)
COAX SUPPRESSION

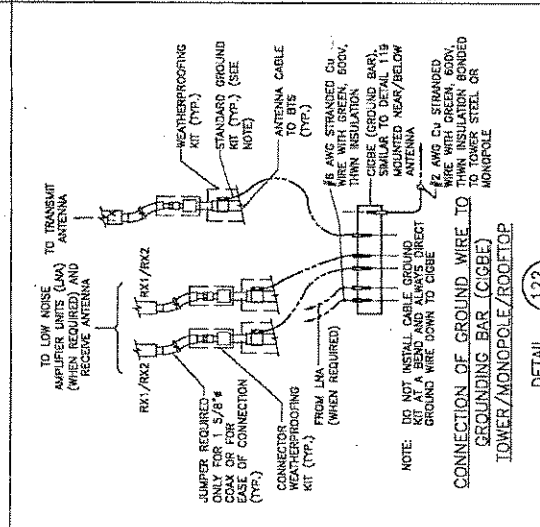
SECTION 2 - SURGE ABSORBERS
INTERIOR GROUND RING (#2)
RINGS WITH GROUND RING (BURIED GROUND RING) (#2)
METALLIC COILS (IF AVAILABLE) (#2)
BUILDING STEEL (IF AVAILABLE) (#2)

SECTION 3 - ISOLATED GROUND ZONE
ALL COMMUNICATIONS EQUIPMENT FRAMES.
ISOLATED GROUND BAR - 10B (#2)

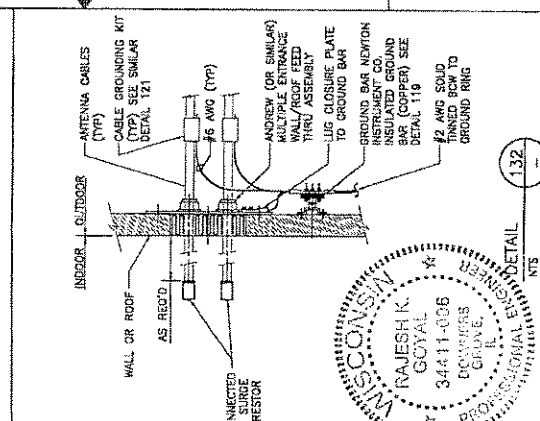
DETAIL NOTES:
1. EXOTHERMICALLY WELD #2 AWG BARE TRINED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "T") WITH 1" HIGH LETTERS.



GROUND BAR - DETAIL
DETAIL 119
NTS



CONNECTION OF GROUND WIRE TO TOWER/MONOPOLE/ROOFTOP GROUNDING BAR (CIGBE)
DETAIL 122
NTS



ANTENNA WIRELESS
GROUNDING DETAILS
DETAIL 132
NTS

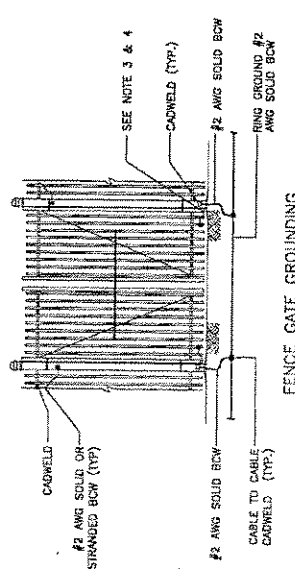
NO.	REQ.	PART NO.	DESCRIPTION
1	1	1/2"x4"x30"	SOLID END. BAR
2	4	A-6355	WALL MTC. BRKT.
3	2	3061-4	INSULATORS
4	4	3012-1	5/8"-11X1" A.H.C.S.
5	4	3018-B	5/8" LOCKWASHER

Apex Engineers, Inc.
300 E. 22nd Street, Suite B
Lombard, Illinois 60
Ph. (630) 627-1100
Fax. (630) 627-1165
APEX_JOB_NO. CRIS-015

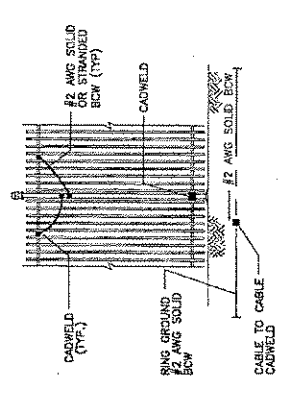
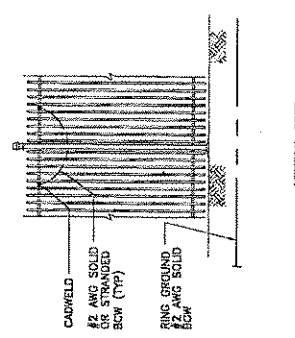
Cherry Court Apartments
SITE NO. WH-1011
1325 N. 24th Street
MILWAUKEE, WISCONSIN 53208

NO. 2
DATE 02-02-04
SCALE AS SHOWN
BY CH-PPC

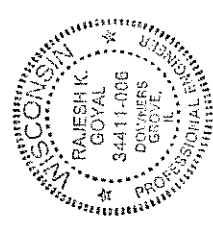
NO. 2
DATE 02-02-04
SCALE AS SHOWN
BY CH-PPC



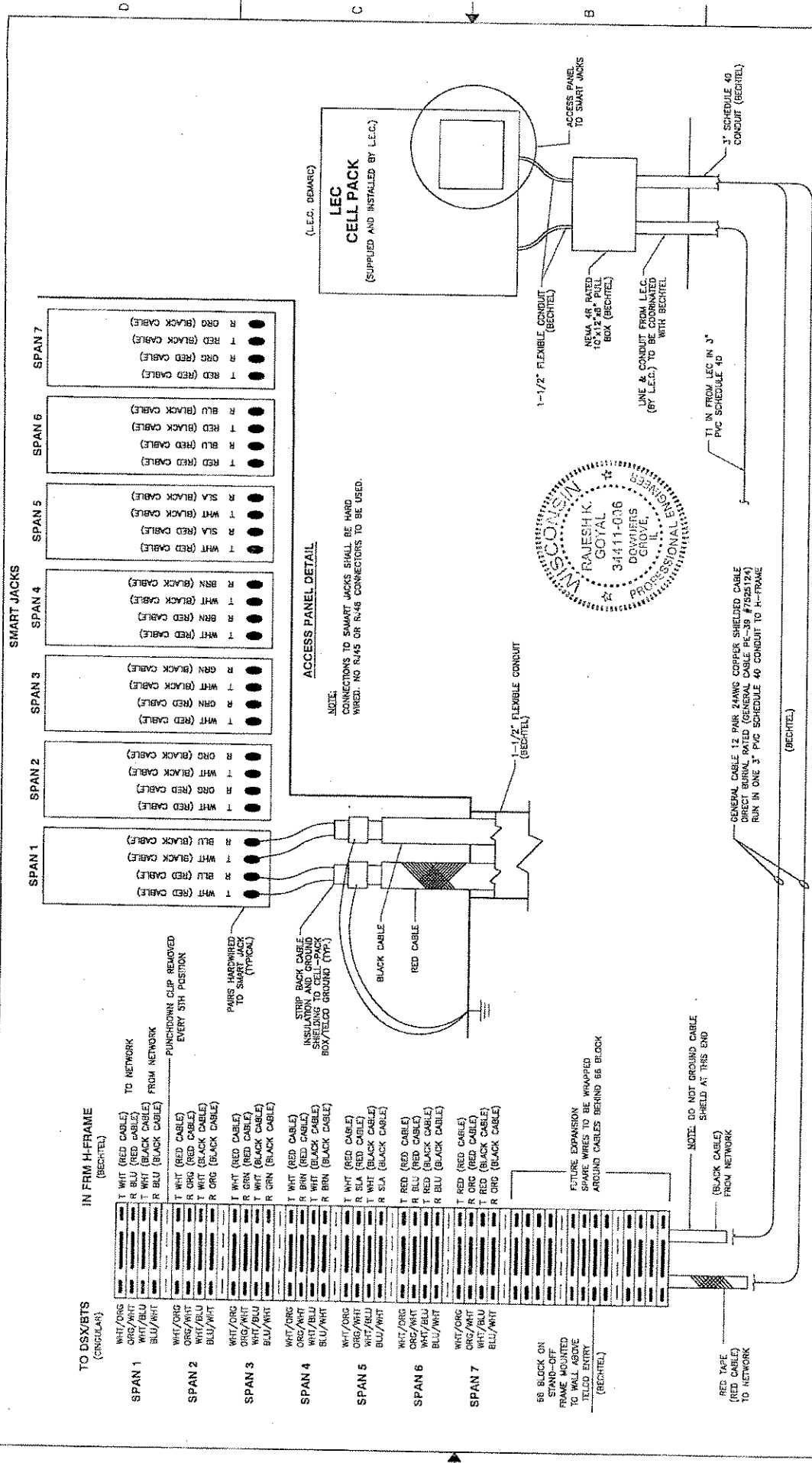
- NOTES:**
1. THE #2 AWG BCW FROM THE RING GROUND SHALL BE CADWELDED TO THE POST ABOVE GRADE.
 2. BOND EACH HORIZONTAL POLE/BRAZE TO EACH OTHER AND TO EACH VERTICAL POLE BONDED TO THE EXTERIOR GROUND RING.
 3. GATE JUMPER SHALL BE #4/D AWG WELDING CABLE OR FLEXIBLE COPPER BRAID BURNED TYPE B WITH SLEEVES ON EACH END DESIGNED FOR EXPLOSTHERMIC WELDING.
 4. GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.



- NOTE:**
1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST, AS A MINIMUM ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT STRAIGHT RUN OF FENCE.
 2. HORIZONTAL POLES SHALL BE BONDED TO EACH OTHER.
 3. BOND EACH HORIZONTAL POLE / BRACE TO EACH OTHER AND TO EACH VERTICAL POST THAT IS BONDED TO THE EXTERIOR GROUND RING.



Apex Engineers, Inc. Structural & Civil Engineers 1000 North Lincoln Street, Suite B Lombard, Illinois 60148 Ph. (630) 627-1800 Fax. (630) 627-1165 APEX JOB NO. CUS-018		Cherry Court Apartments SITE NO. WI-1011 1525 N. 24th Street Mt. Walpole, Wisconsin 53208		Cingular WIRELESS		CINGULAR WIRELESS FENCE GROUNDING DETAILS DRAWING NUMBER WI-1011-15	
D. 10-12-04 NO. DATE SCALE AS SHOWN	DESIGNED BY/BS [UNKN] BCB/B	CHECKED BY/BS [UNKN] BCB/B	TO: RING FROM: RING	BY: CHW-RFC	2	3	4
APEX JOB NO. CUS-018		CHERRY COURT APARTMENTS		CINGULAR WIRELESS		5	



TO DSX/BTS
(CINGULAR)

SPAN 1
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 2
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 3
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 4
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 5
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 6
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 7
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

IN FRM H-FRAME
(BECHTEL)

SPAN 1
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 2
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 3
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 4
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 5
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 6
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 7
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SMART JACKS

SPAN 1
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 2
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 3
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 4
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 5
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 6
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

SPAN 7
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)
T WHT (RED CABLE)
R BLU (BLACK CABLE)
R BRN (BLACK CABLE)

ACCESS PANEL DETAIL

NOTE: CONNECTIONS TO SMART JACKS SHALL BE HARD WIRED. NO RJ45 OR RJ46 CONNECTORS TO BE USED.

LEADING WIRE

1-1/2" FLEXIBLE CONDUIT (BECHTEL)

ACCESS PANEL TO SMART JACKS

NEW 4-1/2" RATED METALLIC BOX (BECHTEL)

LINE & CONDUIT FROM L.E.C. (BY L.E.C.) TO BE COORDINATED WITH BECHTEL

3" SCHEDULE 40 CONDUIT (BECHTEL)

1/4" IN FRM L.E.C. IN 3" PVC SCHEDULE 40

GENERAL CABLE 12 PAIR 24AWG COPPER SHIELDED CABLE DIRECT BURIAL RATED (GENERAL CABLE PC-39 #7525124) RUN IN ONE 3" PVC SCHEDULE 40 CONDUIT TO H-FRAME (BECHTEL)

RAJESH K. GOYAL
344 11-036
DOVER, ILL.
PROFESSIONAL ENGINEER

56 BLOCK ON STAND-OFF FRAME MOUNTED TO WALL ABOVE TELCO ENTRY
(BECHTEL)

RED TAPE (RED CABLE) TO NETWORK

NOTE: DO NOT GROUND CABLE SHIELD AT THIS END (BLACK CABLE) FROM NETWORK

FIGURE EXPANSION SHALL BE WRAPPED AROUND CABLES BEHIND 56 BLOCK

STRIP BACK CABLE INSULATION AND GROUND SHIELD TO METALLIC BOX/TELCO GROUND (TYP.)

PASS HARDBURED TO SMART JACK (TYPICAL)

PARALLEL PUNCHDOWN CLIP REMOVED EVERY 5TH POSITION

TO NETWORK (RED CABLE)
FROM NETWORK (BLACK CABLE)

LEADING WIRE
(L.E.C. DEMARC)

CELL PACK
(SUPPLIED AND INSTALLED BY L.E.C.)

CINGULAR WIRELESS

TELCO INTERFACE

DATE: 11-11-15

SCALE: AS SHOWN

DESIGNED BY: []

CHECKED BY: []

DATE: []

NO. []

BY: []

DATE: []

Cherry Court Apartments
SITE NO. WP-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208

Apex Engineers, Inc.
Civil Engineers
500 West 24th Street, Suite 8
Lombard, Illinois 60148
Ph. (630) 627-1600
Fax. (630) 627-1165
A/E/C No. CD05-016

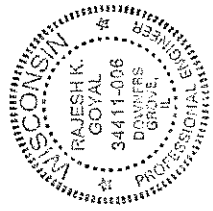
D

C

B

A

BLOCK 1		BLOCK 2	
POS ALARM #	DESCRIPTION	POS ALARM #	DESCRIPTION
1	AL-00	1	AL-24
2	AL-01	2	LOW TEMP.
3	AL-02	3	FF FIRE ALARM
4	AL-03	4	FF PARAGON ALARM
5	AL-04	5	HIGH HUMIDITY
6	AL-05	6	SURGE ARRESTOR
7	AL-06	7	HYDROGEN DETECTOR
8	AL-07	8	PP FIRE ALARM
9	AL-08	9	PP AUDIBLE ALARM
10	AL-09	10	PP HIGH VOLTAGE
11	AL-10	11	PP AC FAIL
12	AL-11	12	PP PDU FAIL ALARM MINOR
13	AL-12	13	PP PDU FAIL ALARM MAJOR
14	AL-13	14	
15	AL-14	15	
16	AL-15	16	
17	AL-16	17	
18	AL-17	18	
19	AL-18	19	
20	AL-19	20	
21	AL-20	21	
22	AL-21	22	
23	AL-22	23	
24	AL-23	24	



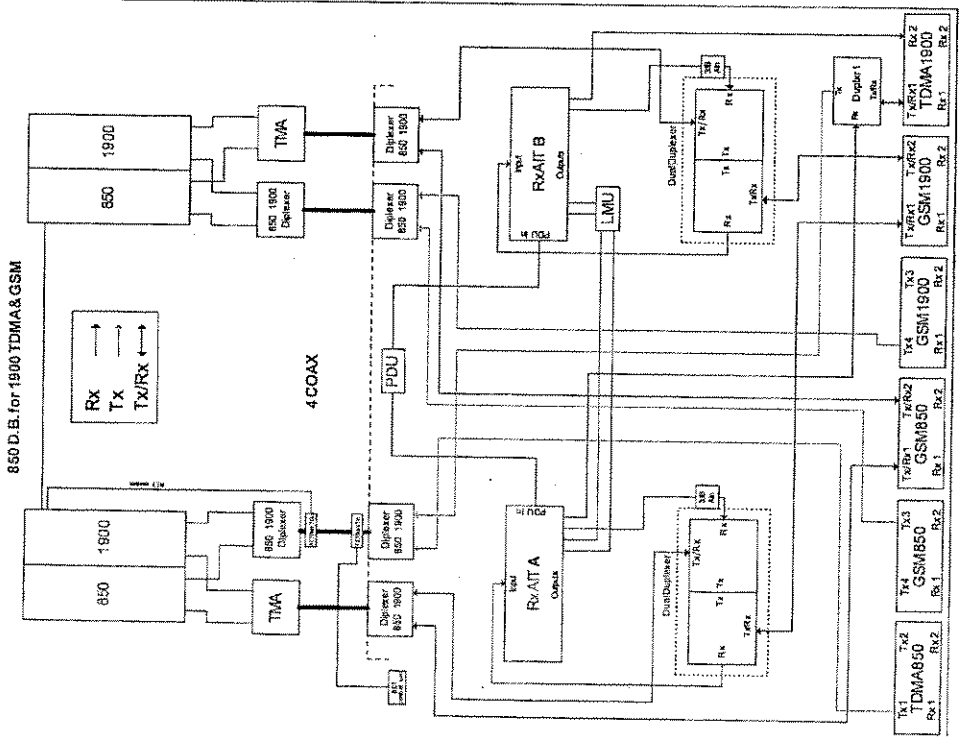
* DENOTES BECKETT PUNCHDOWN RESPONSIBILITY.
 ** PDU ALARM TERMINATION WHEN APPLICABLE.

DETAIL 4017
 NTS

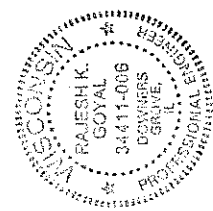
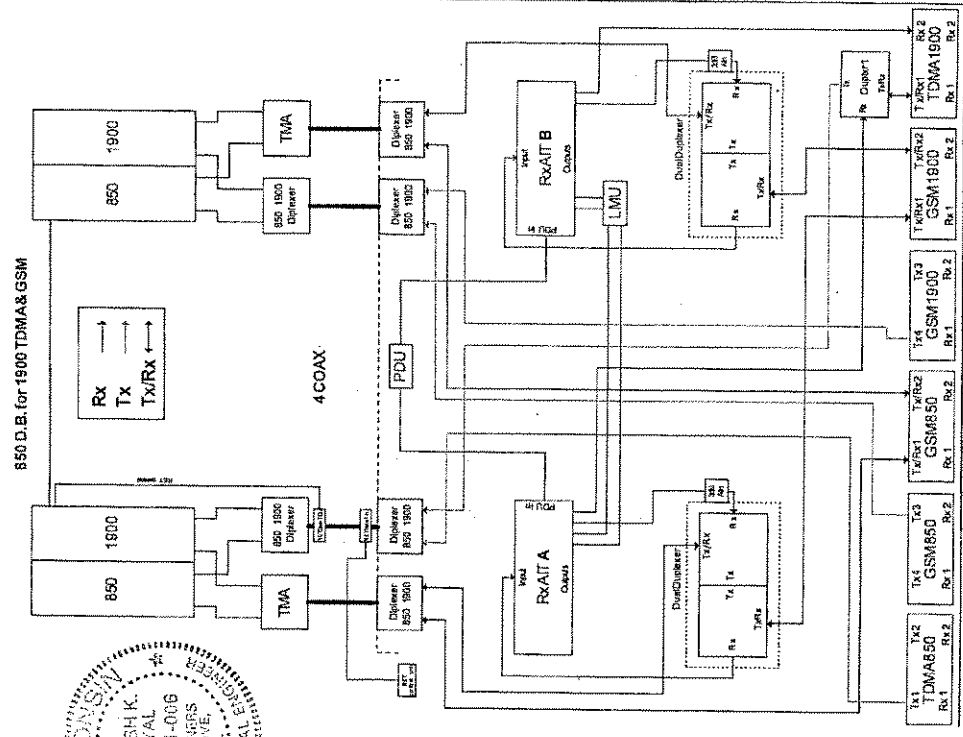
66 PUNCHDOWN BLOCK

<p>Apex Engineers, Inc. Structural Engineers 5200 East 22nd Street, Suite B Lombard, Illinois 60148 Ph. (630) 627-1800 Fax. (630) 627-1165 APEX JOB NO. C05-016</p>	<p>CHERRY COURT APARTMENTS SITE NO. WI-1011 1525 N. 24th STREET MILWAUKEE, WISCONSIN 53208</p>		<p>66 PUNCHDOWN BLOCK</p>	<p>DATE: AS SHOWN</p>	<p>REVISIONS</p>	<p>NO. DATE</p>	<p>BY</p>	<p>CHK</p>	<p>DATE</p>	<p>BY</p>	<p>CHK</p>
				<p>SCALE: AS SHOWN</p>	<p>REVISIONS</p>	<p>NO. DATE</p>	<p>BY</p>	<p>CHK</p>	<p>DATE</p>	<p>BY</p>	<p>CHK</p>
<p>CINGULAR WIRELESS</p>			<p>66 BLOCK TERMINATIONS</p>			<p>WI-1011-17</p>			<p>8</p>		

850 D.B. for 1900 TDMA & GSM



850 D.B. for 1900 TDMA & GSM

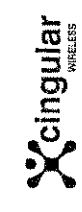


SECTOR "A"

SECTOR "B"

Apex Engineers, Inc.
Structural & Civil Engineers
1000 Lakeside Blvd., Suite 9
Lombard, Illinois 60148
Ph. (630) 627-1800
Fax (630) 627-1165
APEX Job No. C105-018

CHERRY COURT APARTMENTS
SITE NO. WI-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208

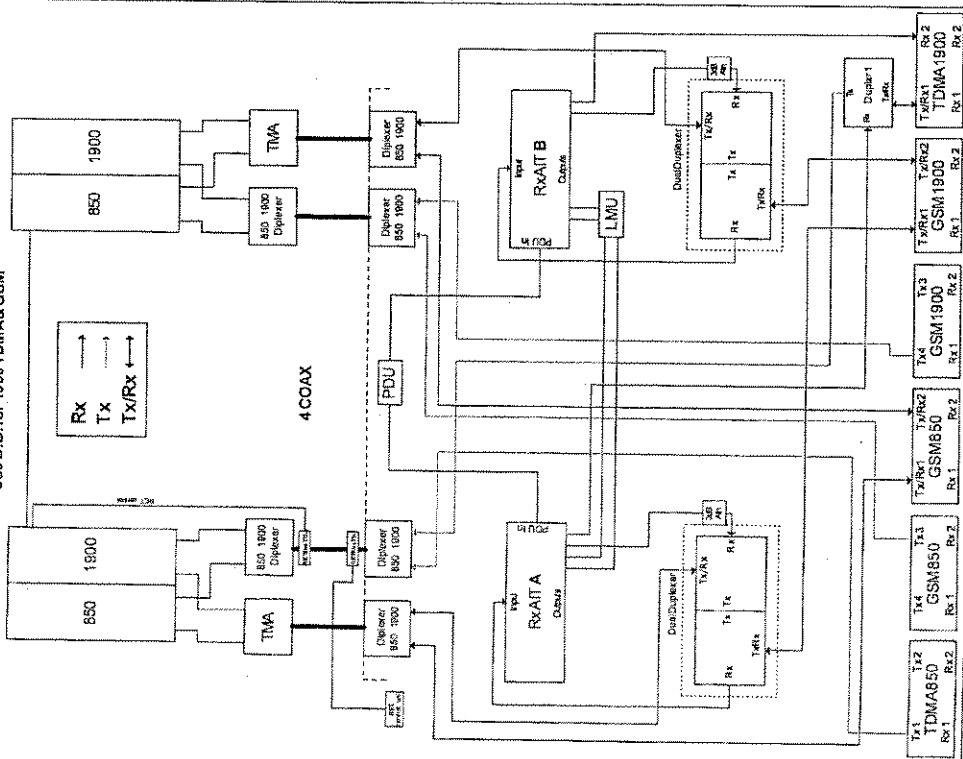


CINGULAR WIRELESS

SECTIONS A & B

NO.	DATE	BY	FOR	ISSUED BY	ISSUED DATE
1	10-27-04	GOULD FOR CONSTRUCTION	TO NO. 10	BY CONRAD	10/27/04
2					
3					
4					
5					
6					

850 D.B. for 1900 TDMA & GSM



SECTOR 'C'

Apex Engineers, Inc.
Structural & Civil Engineering
500 East 22nd Street, Suite B
Lombard, Illinois 60
Ph. (630) 627-1800
Fax. (630) 627-1155
APEX JOB No. CDS-016

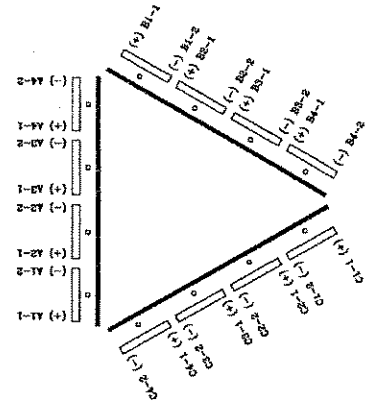


CHERRY COURT APARTMENTS
SITE NO. WI-1011
1526 N. 24th STREET
MILWAUKEE, WISCONSIN 53208

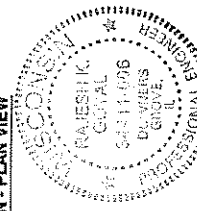


NO.	DATE	REVISIONS	BY	CHK BY
0	01-21-00	ISSUE FOR CONSTRUCTION		
1		REVISED B/B'S		
2		ISSUED B/B'S		
3		SCALE AT SIGN		
4		ISSUED B/B'S		
5		ISSUED B/B'S		
6		ISSUED B/B'S		

ALPHA
(SECTOR A)
(SECTOR 1)
0'



ANTENNA CONFIGURATION - PLAN VIEW

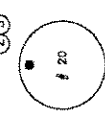


CINGULAR WIRELESS
SECTOR C &
ANTENNA CONFIGURATION
DRAWING NUMBER
WI-1011-19

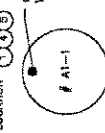
GENERAL NOTES:

- SECTOR ORIENTATIONS/ALPHABET WILL VARY FROM REGION TO REGION AND IS SITE SPECIFIC. REFER TO RF CONFIGURATION SHEETS TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
- REFER TO THE ANTENNA INFORMATION TABLES ON THE BOTTOM JUMPER DETAIL SHEET AND THE RF CONFIGURATION SHEETS FOR TAG NUMBERS.

EXAMPLE COAX TAG LOCATION



EXAMPLE JUMPER TAG LOCATION

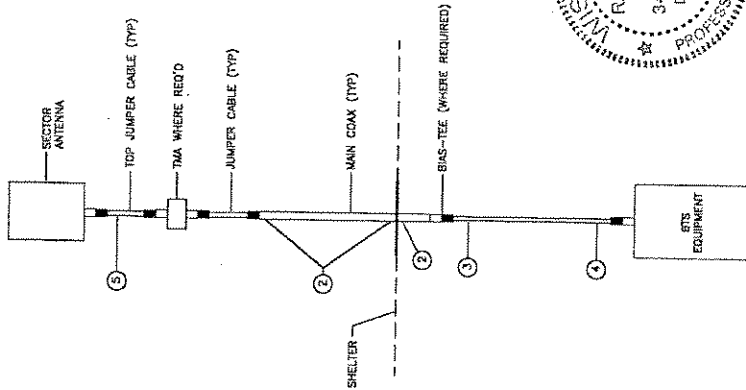


GSM LINE TAG

RF CABLES SHALL BE IDENTIFIED WITH A LAMACORD TAG MADE OF 1-1/2" DIAMETER, 1/8" THICK, UV RESISTANT PLASTIC, LABELED WITH THE CABLE LOCATION, ANTENNA POSITION, AND CABLE NUMBER. THE ID MARKING LOCATIONS SHALL BE IDENTIFIED AS PER CABLE TAG LOCATIONS TABLE. EXTERIOR TAGS SHALL BE MOUNTED WITH BLACK NYLON TIE-WRAPS. INTERNAL TAGS SHALL BE MOUNTED WITH BLACK NYLON TIE-WRAPS. THE TAGS SHALL BE AS SHOWN ON THE "GSM LINE TAG" DETAILS.

CABLE MARKING TAGS

NO.	LOCATIONS
1.	EACH MAIN COAX SHALL BE TAGGED NEAR THE TOP JUMPER OR NEAR THE END OF THE LINE ENTERING THE BITE OR TRANSMITTER BUILDING.
2.	ON CABLE NEAR ENTRY PORT ON THE INTERIOR OF THE SHELTER (IF SHELTER IS USED)
3.	TAG BOTTOM JUMPERS NEAR DIPLEXER, BIAS TEE OR MAIN COAX.
4.	ALL BOTTOM JUMPERS SHALL BE TAGGED 1 FOOT FROM THE END CONNECTOR AT THE BITE
5.	ALL TOP JUMPERS SHALL BE TAGGED 1 FOOT FROM THE END CONNECTOR



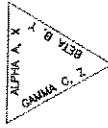
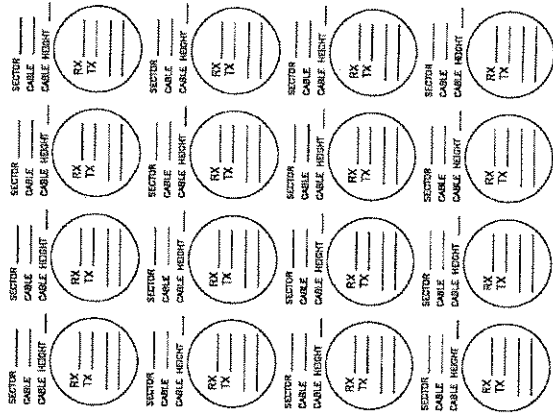
CABLE MARKING LOCATIONS DIAGRAM

COAX TAG IDENTIFICATION DETAIL



CABLE PORT DIAGRAM

CAUTION: HARMFUL RF ENERGY EXISTS ON THESE LINES



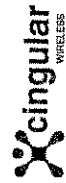
- CABLE PORT NOTES:**
- LOWER PLAN VIEW CONNECTION SHALL BE LEFT THE CABLE PORT DIAGRAM UPON COAX INSTALLATION. CABLE PORT DIAGRAM SHALL BE LEFT IN SHELTER NEAR THE SHELTER ENTRY WALL NEAR THE CABLE ENTRY PORT TO AID IN CABLE IDENTIFICATION. THE PORT DIAGRAM SHALL BE USED TO RECORD THE LINE AND CORRESPONDING ANTENNA POSITION ON THE TOWER AT THE TIME OF INSTALLATION.
 - ONE COMPLETED COPY PLUS TWO BLANK COPIES OF THE CHART SHOULD BE POSTED IN THE SHELTER IN A PROTECTIVE PLASTIC SLEEVE.



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Phone: (414) 627-1150
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APEX JOB NO. CDS-016



CHERRY COURT APARTMENTS
SITE NO. WI-1011
1525 N. 24th STREET
MILWAUKEE, WISCONSIN 53208



NO.	DATE	ISSUED FOR	REVISIONS	BY	CHK'D BY
1	03-27-08	ISSUED FOR CONSTRUCTION			

SCALE AS SHOWN
UNLESS NOTED OTHERWISE

2

4

5

6

11/17/08

