

TOWN OF FALMOUTH, MAINE

REQUEST FOR CONDITIONAL REZONING APPROVAL
TO INCREASE THE HEIGHT

OF AN EXISTING
TIER II PERSONAL WIRELESS SERVICE FACILITY
LOCATED AT
356 US RTE 1, FALMOUTH, ME

PROPOSAL BY
AT&T MOBILITY

EXHIBIT #11

EQUIPMENT SHELTER
SPECIFICATIONS

1.) ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AND AISC D1.1 SPECIFICATIONS.

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- STEP 1. URETHANE SEALANT REQUIRED ON ALL JOINTS.
- STEP 2. ROOF MEMBRANE APPLY SEALER TO ROOF PER MFG. DIRECTIONS. USE 1 GALLON PER 50. FEET.
- STEP 3. APPLY ARGENTIVE SEALER TO EXTERIOR WALLS. USE 1 GALLON PER 200 SQ. FEET.
- STEP 4. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES. USE CAUTIONOUS GRAY PAINT.

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STEEL DECK WITH FORMED
STRUCTURAL SLAB
HIGH STRENGTH
KEY WAY FASTENERS
OTHER BOLTS, ETC.
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- 1) ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODES 318 & 311, AND ASTM STANDARDS C-174, C-311, C-39, AND PROVISIONS OF C-94.
- 2) ALL PRECAST STRUCTURAL LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- 3) ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW MILLY STEEL CONFORMING TO ASTM A-615 GRADE 60 SPECIFICATIONS.
- 4) CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
- 5) ALL REBAR SHALL BE TIED TOGETHER AT THE PERIMETER, AND EACH REINFORCEMENT BAR SHALL BE TIED TO BE 16 GAUGE.

- STAINLESS STEEL REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED, BUT NOT OTHER THAN WAVE BATCHING OPERATION MORE EFFICIENT.

- WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-0" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS QUESTION SHALL BE RAISED FREQUENT IN CASES WHERE OPENINGS FREQUENT.

- TOLERANCES SHALL BE AS FOLLOWS:
- | | |
|-----------------------------|-------------|
| PANEL THICKNESS | $\pm 1/8"$ |
| PANEL SIZE | $\pm 1/16"$ |
| PANEL SQUARENESS | $\pm 1/8"$ |
| LOCATION OF BLOCKOUTS & PWS | $\pm 1/4"$ |
| BLACKOUT CRACKS | $\pm 1/4"$ |

- SECTIONS & DETAILS MAY BE FOUND ON THE FOLLOWING SHEETS.

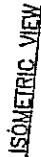
THESE REBAR SIZES AND SPACINGS REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO DELIVERED.

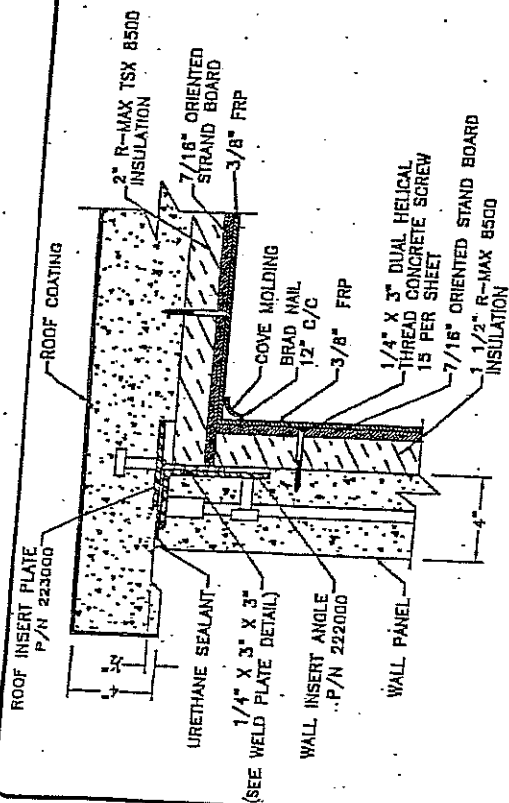
- THESE REBAR SIZES AND SPACINGS REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO DELIVERED.

- WALL PANELS THROUGHOUT.
WALL OPENINGS:
PORT AXIS) 12" O.C. AND #4 (LONG AXIS) AT 18" O.C.
#4 AT PERIMETER AND 4" X 4" X W4.5" X W4.5" UES;

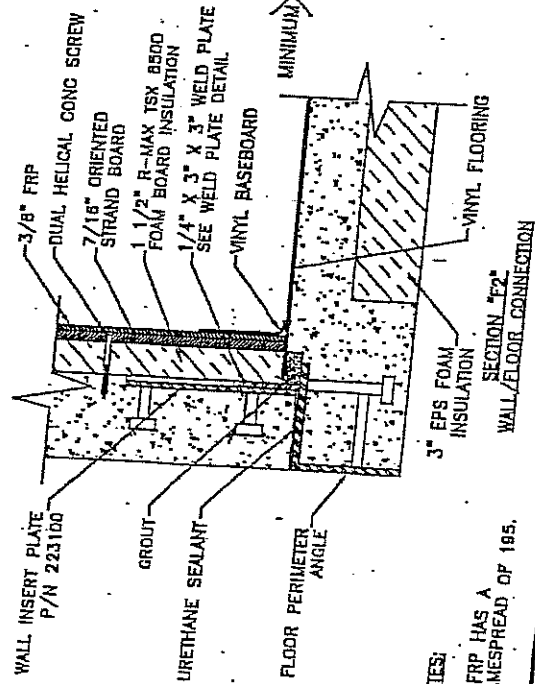
- (2) - /S (SHORT AXIS) EACH RIB, /S (LONG AXIS) AT PERIMETER, DECIM. IN. V. 1/4"

- and plates: 1/4" x 3" x 3", A36 steel.

[illegible]

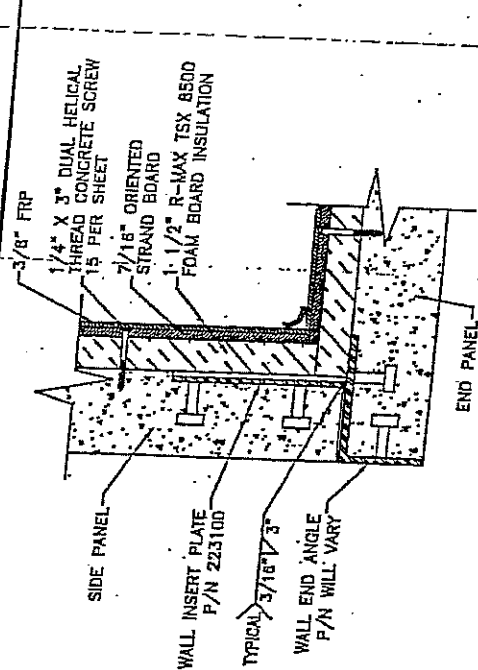


SECTION "F1"
WALL/ROOF CONNECTION

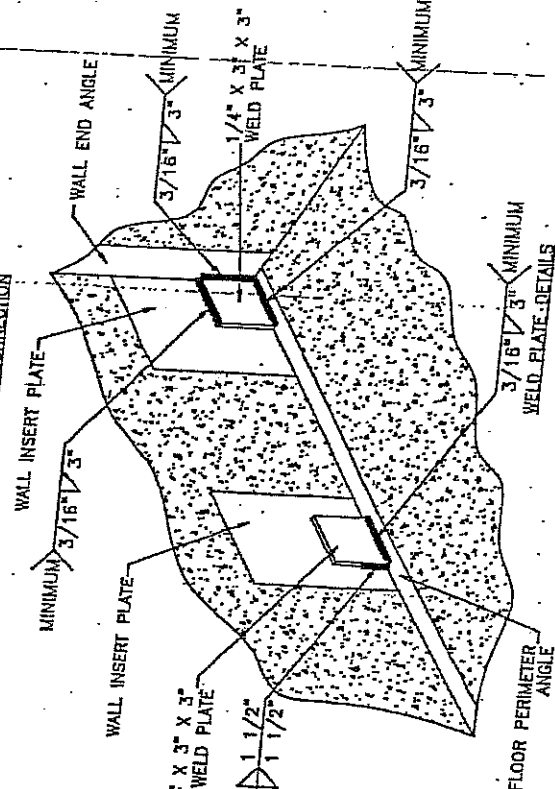


NOTES:

1. FRP HAS A FLAMESPREAD OF 195.



SECTION "F3"
WALL/WALL CONNECTION



ENGINEER SEAL

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Solutions for the
Manufacturing Facility
Corporate Office &
5001 Hazel Avenue Road
Boulder, CO 80501 (303) 440-1111
(toll-free) 1-877-217-2919
www.cellxion.com

CUSTOMER
CIRCULAR WIRELESS

11-5
CONCRETE
FINISH DETAILS

REVISION	DATE	BY	APP. BY	STATION	DESCRIPTION
1	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS
2	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS
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97	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS
98	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS
99	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS
100	2/25/02	J. J. JENSEN	J. J. JENSEN	11-5	CONCRETE FINISH DETAILS

SC0121
F

mile

11'5" x 20'

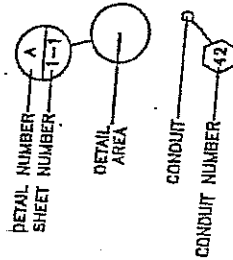
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- 0-2 CODE SUMMARY
- 0-3 ITEMS LIST
- 1-0 SCHEDULES
- 1-1 EXTERIOR ELEVATION "A & C"
- 1-2 EXTERIOR ELEVATION "B"
- 2-0 FLOOR PLAN
- 3-0 REFLECTED CEILING PLAN - ELECTRICAL
- 3-1 REFLECTED CEILING PLAN - MECHANICAL
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- 4-1 INTERIOR ELEVATION "B"
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* DENOTES SHEETS WHICH MAY CONTAIN FIELDWORK

NOTE: NOT ALL SHEETS LISTED ABOVE ARE INCLUDED IN "CUSTOMER" SET

SYMBOLS



DESIGN PARAMETERS

- ROOF LIVE LOAD: 82 PSF
- FLOOR LIVE LOAD: 196 PSF
- GROUND SNOW LOAD: 83 PSF
- WIND SPEED: 120 MPH/EXPOSURE D
- SEISMIC ZONE FOR SBC, UBC: 1
- SEISMIC DESIGN CATEGORY FOR SBC, UBC: D
- CONCRETE TYPE: 5000 PSI AT 28 DAYS
- FIRE RATING: 2 HOUR
- MODEL MAY BE MIRROR IMAGE
- SEE SHEET 0-1 FOR CODE SUMMARY

PHYSICAL PROPERTIES

- SHELTER DIMENSIONS: 11'-5" W X 20'-0" L
- SHIPPING DIMENSIONS: 11'-11" W X 20'-5" L X 9'-9" H 1/2"
- INTERIOR DIMENSIONS: 10'-4" W X 18'-11" H 1/4" X 8'-7" H 7/8"
- SHELTER WEIGHT (AS SHIPPED): 42,800 #

ABBREVIATIONS

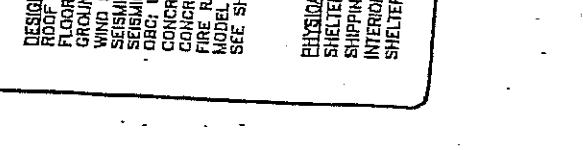
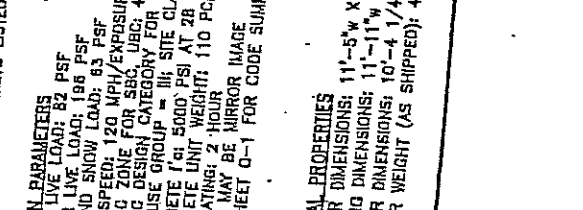
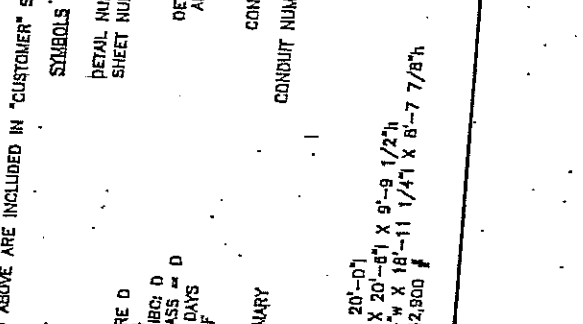
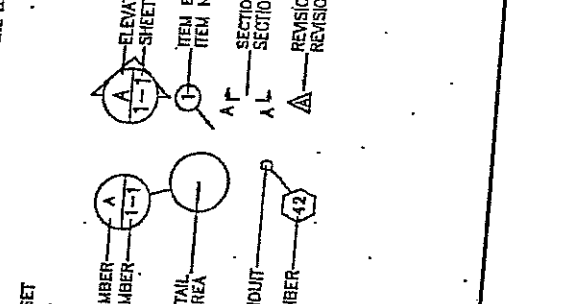
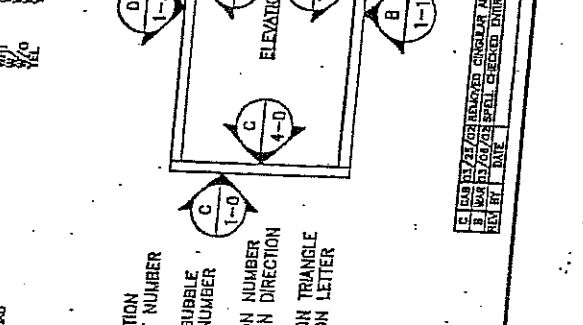
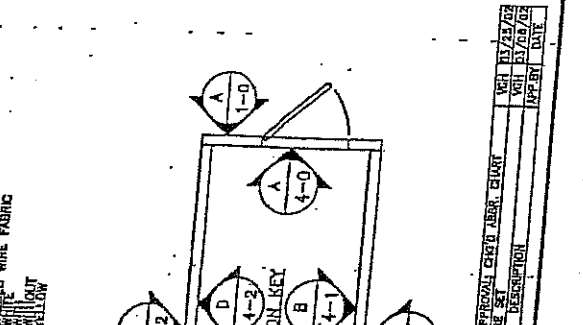
- A - ALUMINUM
- AL - ALUMINUM
- AS - AS SHOWN
- B - BRICK
- BS - BRICK SURFACE
- C - CONCRETE
- CL - CEILING LINE
- CO - COAT OF PAINT
- CP - CEMENT PLASTER
- CS - CEMENT STUCCO
- CT - CEMENT TERRAZZO
- D - DRYWALL
- DB - DRY BURN
- DC - DRY CLAY
- DE - DRY EARTH
- DF - DRY FILL
- DI - DRY INSULATION
- DL - DRY LUMBER
- DM - DRY MIX
- DN - DOWN
- DO - DOOR
- DP - DRY PLYWOOD
- DS - DRY STUCCO
- DT - DRY TERRAZZO
- DU - DRY UNIFORM
- DV - DRY VENEER
- DW - DRY WOOD
- DX - DRY EXTERIOR
- E - ELEVATION
- EL - ELEVATION
- EN - END
- EP - EXTERIOR PLASTER
- ES - EXTERIOR STUCCO
- ET - EXTERIOR TERRAZZO
- EV - EXTERIOR VENEER
- EX - EXTERIOR
- F - FINISH
- FL - FLOOR
- FM - FINISH MIX
- FO - FLOOR OAK
- FR - FLOOR RAIL
- FS - FLOOR STUCCO
- FT - FLOOR TERRAZZO
- FW - FLOOR WOOD
- FX - FLOOR EXTERIOR
- G - GROUND
- GL - GROUND LINE
- GO - GROUND OAK
- GR - GROUND RAIL
- GS - GROUND STUCCO
- GT - GROUND TERRAZZO
- GW - GROUND WOOD
- GX - GROUND EXTERIOR
- H - HATCH
- HL - HATCH LINE
- HO - HATCH OAK
- HR - HATCH RAIL
- HS - HATCH STUCCO
- HT - HATCH TERRAZZO
- HW - HATCH WOOD
- HX - HATCH EXTERIOR
- I - INTERIOR
- IL - INTERIOR LINE
- IO - INTERIOR OAK
- IR - INTERIOR RAIL
- IS - INTERIOR STUCCO
- IT - INTERIOR TERRAZZO
- IW - INTERIOR WOOD
- IX - INTERIOR EXTERIOR
- J - JOINT
- JO - JOINT OAK
- JR - JOINT RAIL
- JS - JOINT STUCCO
- JT - JOINT TERRAZZO
- JW - JOINT WOOD
- JX - JOINT EXTERIOR
- K - KITCHEN
- KL - KITCHEN LINE
- KO - KITCHEN OAK
- KR - KITCHEN RAIL
- KS - KITCHEN STUCCO
- KT - KITCHEN TERRAZZO
- KW - KITCHEN WOOD
- KX - KITCHEN EXTERIOR
- L - LUMBER
- LL - LUMBER LINE
- LO - LUMBER OAK
- LR - LUMBER RAIL
- LS - LUMBER STUCCO
- LT - LUMBER TERRAZZO
- LW - LUMBER WOOD
- LX - LUMBER EXTERIOR
- M - MASONRY
- ML - MASONRY LINE
- MO - MASONRY OAK
- MR - MASONRY RAIL
- MS - MASONRY STUCCO
- MT - MASONRY TERRAZZO
- MW - MASONRY WOOD
- MX - MASONRY EXTERIOR
- N - NAIL
- NL - NAIL LINE
- NO - NAIL OAK
- NR - NAIL RAIL
- NS - NAIL STUCCO
- NT - NAIL TERRAZZO
- NW - NAIL WOOD
- NX - NAIL EXTERIOR
- O - OAK
- OL - OAK LINE
- OR - OAK RAIL
- OS - OAK STUCCO
- OT - OAK TERRAZZO
- OW - OAK WOOD
- OX - OAK EXTERIOR
- P - PLASTER
- PL - PLASTER LINE
- PO - PLASTER OAK
- PR - PLASTER RAIL
- PS - PLASTER STUCCO
- PT - PLASTER TERRAZZO
- PW - PLASTER WOOD
- PX - PLASTER EXTERIOR
- R - RAIL
- RL - RAIL LINE
- RO - RAIL OAK
- RR - RAIL RAIL
- RS - RAIL STUCCO
- RT - RAIL TERRAZZO
- RW - RAIL WOOD
- RX - RAIL EXTERIOR
- S - STUCCO
- SL - STUCCO LINE
- SO - STUCCO OAK
- SR - STUCCO RAIL
- SS - STUCCO STUCCO
- ST - STUCCO TERRAZZO
- SW - STUCCO WOOD
- SX - STUCCO EXTERIOR
- T - TERRAZZO
- TL - TERRAZZO LINE
- TO - TERRAZZO OAK
- TR - TERRAZZO RAIL
- TS - TERRAZZO STUCCO
- TT - TERRAZZO TERRAZZO
- TW - TERRAZZO WOOD
- TX - TERRAZZO EXTERIOR
- U - UNIFORM
- UL - UNIFORM LINE
- UO - UNIFORM OAK
- UR - UNIFORM RAIL
- US - UNIFORM STUCCO
- UT - UNIFORM TERRAZZO
- UW - UNIFORM WOOD
- UX - UNIFORM EXTERIOR
- V - VENEER
- VL - VENEER LINE
- VO - VENEER OAK
- VR - VENEER RAIL
- VS - VENEER STUCCO
- VT - VENEER TERRAZZO
- VW - VENEER WOOD
- VX - VENEER EXTERIOR
- W - WOOD
- WL - WOOD LINE
- WO - WOOD OAK
- WR - WOOD RAIL
- WS - WOOD STUCCO
- WT - WOOD TERRAZZO
- WW - WOOD WOOD
- WX - WOOD EXTERIOR
- X - EXTERIOR
- XL - EXTERIOR LINE
- XO - EXTERIOR OAK
- XR - EXTERIOR RAIL
- XS - EXTERIOR STUCCO
- XT - EXTERIOR TERRAZZO
- XW - EXTERIOR WOOD
- XX - EXTERIOR EXTERIOR
- Y - YARD
- YL - YARD LINE
- YO - YARD OAK
- YR - YARD RAIL
- YS - YARD STUCCO
- YT - YARD TERRAZZO
- YW - YARD WOOD
- YX - YARD EXTERIOR
- Z - ZONE
- ZL - ZONE LINE
- ZO - ZONE OAK
- ZR - ZONE RAIL
- ZS - ZONE STUCCO
- ZT - ZONE TERRAZZO
- ZW - ZONE WOOD
- ZX - ZONE EXTERIOR

- LOW VOLTAGE WIRING
- LOW VOLTAGE WIRING, BARD
- LOW VOLTAGE WIRING, MARVAIR
- LOW VOLTAGE WIRING, SUN
- LOW VOLTAGE WIRING, FINE
- FOUNDATION PLAN
- CABLE TRAY DETAILS
- GROUNDING DETAILS
- GROUND BAR DETAILS
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- STRUCTURAL LAYOUT - ROOF
- STRUCTURAL LAYOUT - SIDE PANEL "A & C"
- STRUCTURAL LAYOUT - SIDE PANEL "B"
- STRUCTURAL LAYOUT - END PANELS "D"

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www.celexion.com

CUSTOMER	
CINGULAR WIRELESS	
PROJECT 11'-5" X 20'-0" CONCRETE SHELTER COVER SHEET	
REVISION	DATE
0-1	2/21/02
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100-1	2/21/02



DOOR HARDWARE SCHEDULE

QTY	U/M	PART NO.	DESCRIPTION
3	EA	801000	DOOR HINGE, SS
1	EA	801100	CLOSER, EGRESS 110L, ALUM.
1	EA	801113	HALF OPEN, Y-LATCH, 4" SS
1	EA	801192	WHEEL, RUBBER STOP, BRASS
1	SET	801200	WEATHER STRIPPING, ALUMINUM
1	EA	801201	SWEEP, WEATHER STRIPPED, 4"
1	EA	801300	LOCKING, 10" 3"
1	SET	801401	THRESHOLD, 40" 2 PCS, ALUMINUM
1	EA	801501	PULL HANDLE, CHROME
1	EA	801611	DOOR STOP, 40" 4"

FINISH SCHEDULE

WALLS	CEILING	FLOOR
EXTERIOR	EXTERIOR	EXTERIOR
EXPOSED AGGREGATE	EXPOSED AGGREGATE	EXPOSED AGGREGATE
1/2" R-LUX MARGLE BASE-TX	1/2" R-LUX MARGLE BASE-TX	1/2" R-LUX MARGLE BASE-TX
7/16" OSB SHEATHING	7/16" OSB SHEATHING	7/16" OSB SHEATHING
3/8" FIP	3/8" FIP	3/8" FIP
1/2" R-LUX MARGLE BASE-TX	1/2" R-LUX MARGLE BASE-TX	1/2" R-LUX MARGLE BASE-TX
7/16" OSB SHEATHING	7/16" OSB SHEATHING	7/16" OSB SHEATHING
3/8" FIP	3/8" FIP	3/8" FIP
100 WWT, T.S. COMPLEXION CH-14, COLOR "WHITE/LIGHT PINK"	100 WWT, T.S. COMPLEXION CH-14, COLOR "WHITE/LIGHT PINK"	100 WWT, T.S. COMPLEXION CH-14, COLOR "WHITE/LIGHT PINK"

EQUIPMENT LABEL SCHEDULE

QTY	U/M	PART NO.	DESCRIPTION
1	EA	410001	LABEL, "QTY"
1	EA	410002	LABEL, "ALARM BUSH"
1	EA	410003	LABEL, "INTERIOR LIGHT"
1	EA	410004	LABEL, "NO PANEL"
1	EA	410005	LABEL, "LOW TEMP" - OFFICIAL
1	EA	410006	LABEL, "LOW TEMP"
1	EA	410007	LABEL, "LEAD-LOG CONTROLLER"
1	EA	410008	LABEL, "TAG 1"
1	EA	410009	LABEL, "TAG 2"
1	EA	410010	LABEL, "TAG 3"
1	EA	410011	LABEL, "TAG 4"
1	EA	410012	LABEL, "TAG 5"
1	EA	410013	LABEL, "TAG 6"
1	EA	410014	LABEL, "TAG 7"
1	EA	410015	LABEL, "TAG 8"
1	EA	410016	LABEL, "TAG 9"
1	EA	410017	LABEL, "TAG 10"
1	EA	410018	LABEL, "TAG 11"
1	EA	410019	LABEL, "TAG 12"
1	EA	410020	LABEL, "TAG 13"
1	EA	410021	LABEL, "TAG 14"
1	EA	410022	LABEL, "TAG 15"
1	EA	410023	LABEL, "TAG 16"
1	EA	410024	LABEL, "TAG 17"
1	EA	410025	LABEL, "TAG 18"
1	EA	410026	LABEL, "TAG 19"
1	EA	410027	LABEL, "TAG 20"

BREAKER SCHEDULE

QTY	U/M	PART NO.	DESCRIPTION
1	EA	400241	BREAKER, 500 2P 40A BOAT ON
1	EA	400242	BREAKER, 500 2P 10A BOAT ON
1	EA	400243	BREAKER, 500 1P 10A BOAT ON

REV	BY	DATE	DESCRIPTION
1	ENG	11/4/03	REVISED PRINT AND DOOR ARE CUP
2	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP
3	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP
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82	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP
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84	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP
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99	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP
100	ENG	8/17/02	REVISED PRINT AND DOOR ARE CUP

ENGINEER SEAL

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CELEXION
Solutions for the
Corporate Office &
Manufacturing Facility

CUSTOMER
CINCULAR WIRELESS

PROJECT
11'-5" X 20'-0" CONCRETE SHELTER SCHEDULES

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

DATE: 2/21/03

DATE: 2/21/03

DATE: 2/21/03

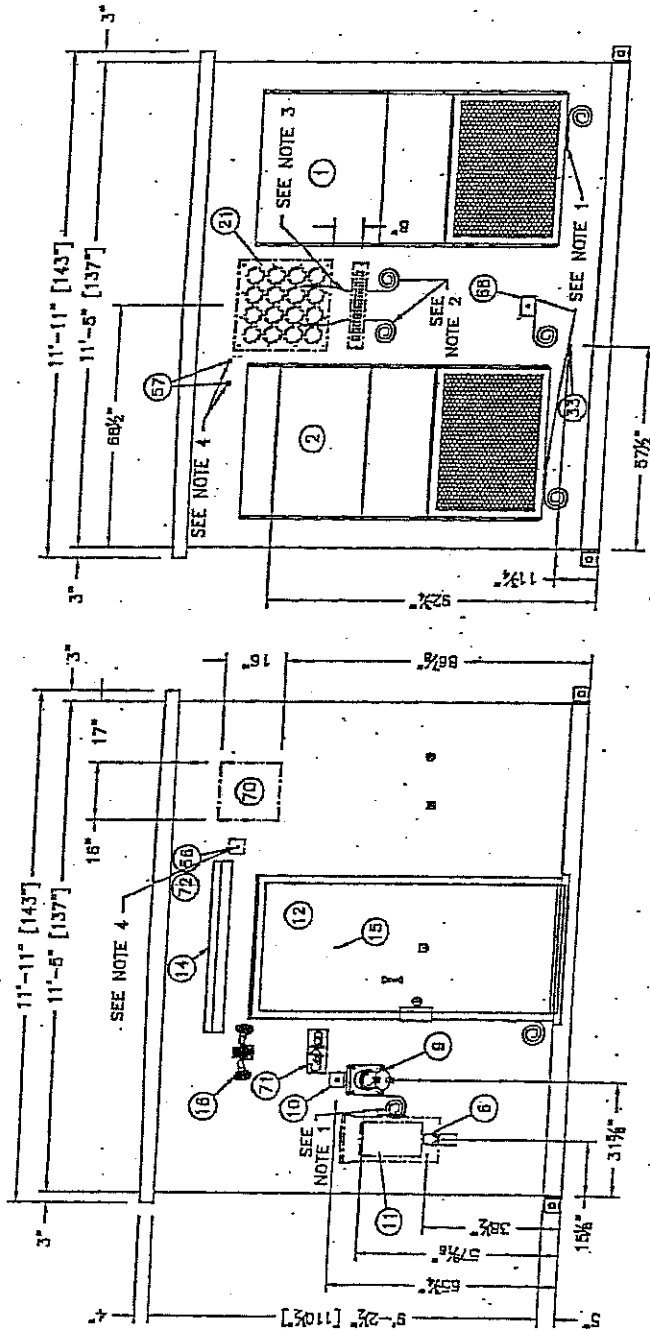
DATE: 2/21/03

DATE: 2/21/03

SHEET NO./PART NO.: 1/1

DRAWING NO.: SCGV21

REV: F



EXTERIOR ELEVATION A

NOTES:

1. CONNECT #2 SOLID TINNED WITH TWO-BOLT HOLE LUG, PULL TO GROUND AND COIL 8'-0" SPARE.
2. CADWELD #2 SOLID TINNED, COIL 12'-0" SPARE.
3. CONNECT #2 SOLID TINNED TO WAVEGUIDE W/ TWO-BOLT HOLE LUG, CADWELD TO GROUND BAR.
4. SECURE WITH LOCKNUTS, REDUCING WASHER, AND CAP.

EXTERIOR ELEVATION C

LEGEND:

1. --- = OPTIONAL ITEMS OR ITEMS WITH
OPTIONAL BRANDS. SEE ITEM LIST (SHEET 0-2).

ENGINEER SEAL

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Cellixion
Subsidiary for the
Corporate Office &
Manufacturing Facility
5001 Hard Rock Road
Bossier City, LA 70111
(toll-free) 318-213-2500 (local) 318-213-2518
www.cellixion.com

CUSTOMER:

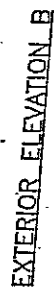
CINGULAR WIRELESS

PROJECT
11'-5" x 10'-0" x 10'-0"
CONCRETE SHEET PILE
EXTERIOR ELEVATION
PANEL A1 & C

FILENAME	CON/SCHEM11-0
SCALE	3/4" = 1'-0"
TOLERANCE	
DESIGNED BY	S. ALSTON
CHECKED BY	V. HASTELL
DATE	2/21/02
DATE	2/21/02
DATE	2/21/02
DATE	2/21/02
DATE	2/21/02
SHEET NO./PART NO.	1-0
REVISION NO.	
DATE	
BY	
DATE	

REVISION NO.
SCGIV21

REV	DATE	DESCRIPTION	NOTES
1	11/28/01		
2	03/21/02	ADD THIS PROJECT BLOCK	
3	03/21/02	ADD THIS PROJECT BLOCK	
4	03/21/02	ADD THIS PROJECT BLOCK	
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..... COUNCILS, REDUCING WASHER, AND CAP.

REV	BY	DATE	DESCRIPTION	VER	DATE
0	CAR	04/03/02	CORRECTED NOTES CHRGD TEL 1 TO 10	VER	04/03/02
				APP	BT



EXTERIOR ELEVATION D

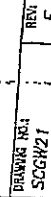
- NOTES:
1. CADWELD #2 SOLID TINNED. COIL 12'-0" SPARE.
 2. CONNECT #2 SOLID TINNED TO WAVEGUIDE W/ TWO GROUND BAR. (NON-COMPRESSION TYPE LUG W/ 1)
 3. SECURE WITH LOCKNUTS, REDUCING WASHER, AND
 4. EXTERIOR FINISH MAY VARY.

LEGEND:

1. _____ OPTIONAL ITEMS OR ITEMS
WITH OPTIONAL BRANDS, SEE ITEMS LIST
(SHEET Q-2).

SECRETED SEAL		THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF CELLXION, INC. AND THE SECRETS OF CELLXION, INC. ANY USE OF THESE DRAWINGS OR ANY INFORMATION CONTAINED HEREIN FOR ANY PURPOSE OTHER THAN THAT AS EXPRESSLY AUTHORIZED BY CELLXION, INC. IS STRICTLY PROHIBITED. THIS DRAWING IS LOANED TO YOU BY CELLXION, INC. UNDER A NON-EXCLUSIVE LICENSE. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CELLXION, INC.		CellXion Solutions for the Corporate Office & Manufacturing Facility 8031 Hazel Avenue Road Boulder CO, LA 71111 (Voice) 318-213-2800 (Fax) 318-213-2818 www.cellxion.com		CUSTOMER CINGULAR WIRELESS		11'-0" SECTION CONCRETE A 20'-0" EXTERIOR SHELTER ELEVATION PANEL D		<table border="1"> <tr> <td>FINISHES</td> <td>CONCRETE #11-2</td> <td>TOLERANCES</td> </tr> <tr> <td>SCALES</td> <td>3/4" = 1'-0"</td> <td>NOTES</td> </tr> <tr> <td>DRAWN BY</td> <td>S. MURPHY</td> <td>DATE</td> </tr> <tr> <td>CHECKED BY</td> <td>V. HUSSELL</td> <td>DATE</td> </tr> <tr> <td>DESIGNED BY</td> <td>K. BARNETT</td> <td>DATE</td> </tr> <tr> <td>APP. BY</td> <td>J. MOORE</td> <td>DATE</td> </tr> <tr> <td colspan="3">SHEET NO./PANEL NO.</td> </tr> <tr> <td colspan="3">1-2</td> </tr> </table>		FINISHES	CONCRETE #11-2	TOLERANCES	SCALES	3/4" = 1'-0"	NOTES	DRAWN BY	S. MURPHY	DATE	CHECKED BY	V. HUSSELL	DATE	DESIGNED BY	K. BARNETT	DATE	APP. BY	J. MOORE	DATE	SHEET NO./PANEL NO.			1-2			DRAWING NO. 1 SCG0421 REV. 1 F	
FINISHES	CONCRETE #11-2	TOLERANCES																																			
SCALES	3/4" = 1'-0"	NOTES																																			
DRAWN BY	S. MURPHY	DATE																																			
CHECKED BY	V. HUSSELL	DATE																																			
DESIGNED BY	K. BARNETT	DATE																																			
APP. BY	J. MOORE	DATE																																			
SHEET NO./PANEL NO.																																					
1-2																																					

REV	BY	DATE	APPROVED BY	DATE	DESCRIPTION	YCH	13/25/02
5	CAB	13/25/02	ADDED OPT W/LD GRD PER				



ENGINEER SEAL

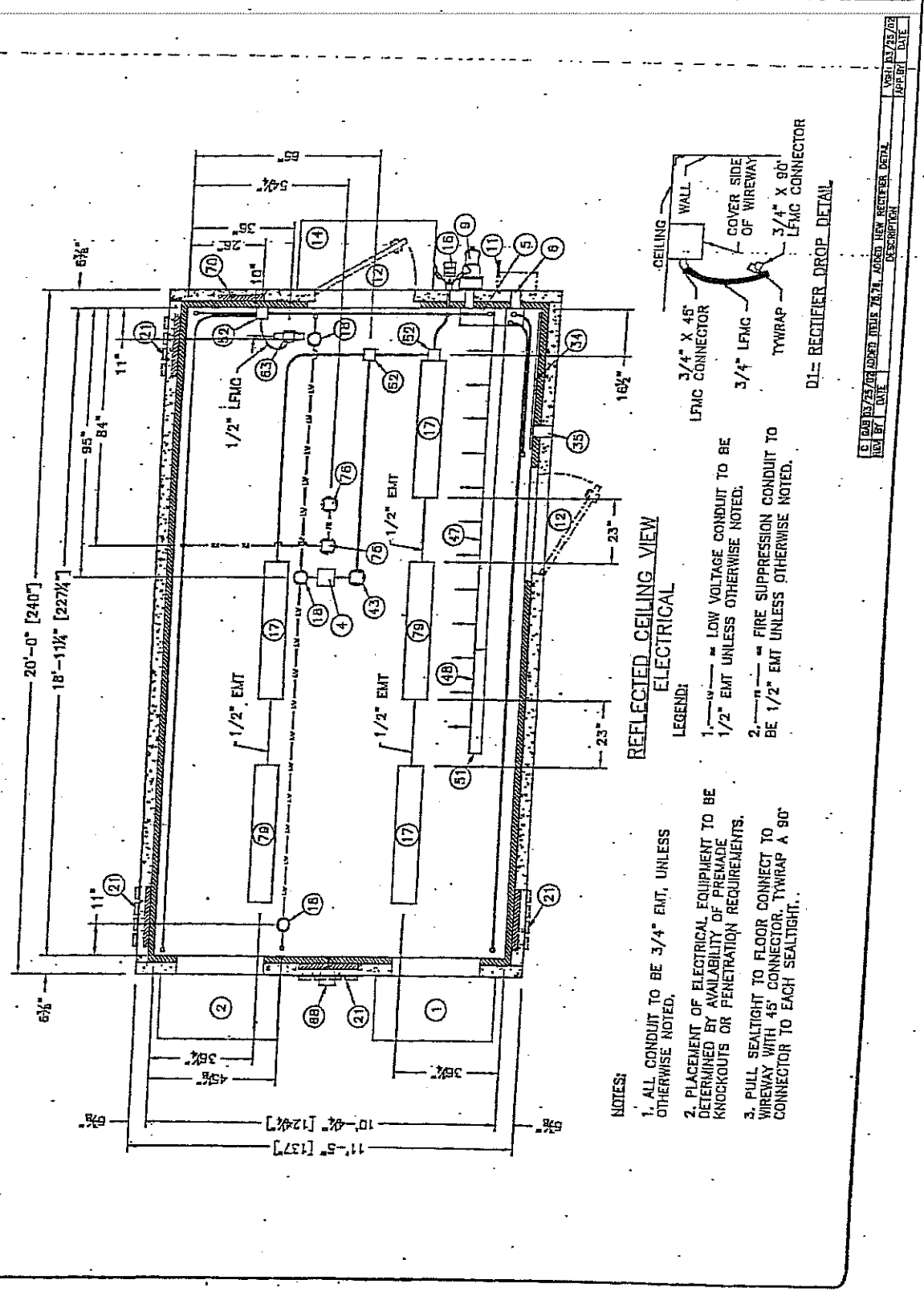
Celxion
Solutions for the
Manufacturing Facility

Corporate Office
5001 Metairie Avenue
Bossier City, LA 70711
(985) 318-2131
www.celxion.com

CUSTOMER
CINGULAR WIRELESS

PROJECT
11'-5" X 120'-0" CONCRETE SHELTER REFLECTED CEILING VIEW ELECTRICAL

REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
2	DATE: 2/22/02
3	DATE: 2/22/02
4	DATE: 2/22/02
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100	DATE: 2/22/02



NO.	DATE	DESCRIPTION	APP'D	DATE
1	02/22/02	ADDED NEW RECTIFIER DETAIL		



1. ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.

2. PLACEMENT OF ELECTRICAL EQUIPMENT TO BE DETERMINED BY AVAILABILITY OF PREMADE KNOCKOUTS OR PENETRATION REQUIREMENTS.

1. 19 = LOW VOLTAGE CONDUIT TO BE
1/2" EMT UNLESS OTHERWISE NOTED.

2. ~~--- 46 ---~~ = HALO GROUND WIRE TO BE #2 STRANDED GREEN COPPER WIRE AND DROPS TO BE #2 BARE SOLID TINNED COPPER WIRE.

Q	WAR	04/30/62	ADDED	ITEM	17
REV	BY	DATE			

NOTES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Abstract

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CellXion
Solutions for the
Manufacturing Industry

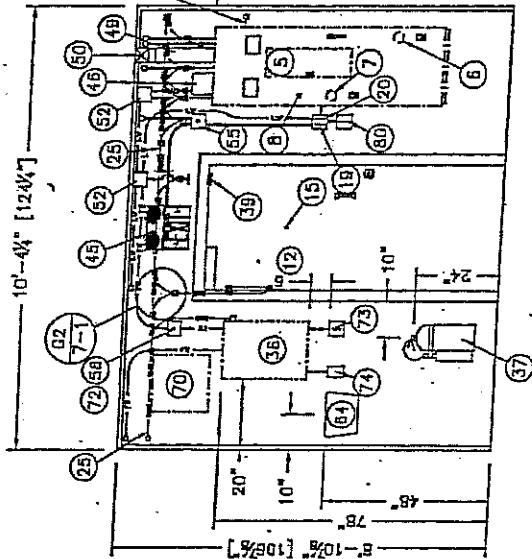
**Corporate Office &
Manufacturing Facility**
5021 Hazel Haven Road
Boulder, CO, 80511
(970) 516-2131-2900 (fax) 516-213-2918
www.cellxion.com

CUSTOMER
CINGULAR WIRELESS

PROJECT
11'-5" X 20'-0"
CONCRETE SHELTER
REFLECTED CEILING VENT
MECHANICAL

[illegible]

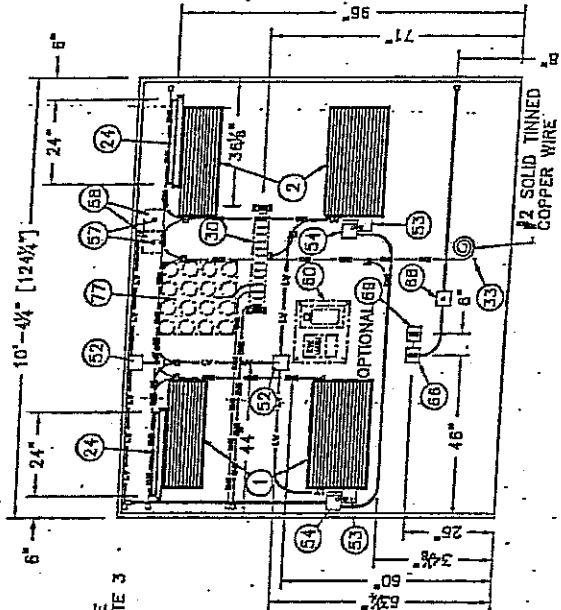
1-1	FORM NO. 104	REV. 5
1-1	CGWZ	



INTERIOR ELEVATION A

NOTES:

1. ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
2. PLACEMENT OF ELECTRICAL EQUIPMENT TO BE DETERMINED BY AVAILABILITY OF PREMISE KNOCKOUTS OR PENETRATION REQUIREMENTS.
3. CONNECT #2 AWG GREEN TO GROUND BAR IN ITEM (5) AND CONNECT TO CELL REF. GROUND BAR (30).
4. INSTALL ALL CONDUIT TO FIVE SYSTEM, ITEMS #36, 72, 73, & 74 ARE OPTIONAL.



INTERIOR ELEVATION C

LEGEND:

1. --- W --- = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
2. --- G --- = HALO GROUND WIRE TO BE #2 STRANDED GREEN COPPER WIRE AND DROPS TO BE #2 BARE SOLID TINNED COPPER WIRE.
3. --- O --- = OPTIONAL ITEMS OR ITEMS WITH OPTIONAL BRANDS, SEE ITEMS LIST (SHEET 0-2).

ENGINEER SEAL

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CellXion
Solutions for the
Manufacturing Facility
Corporate Office &
Booster City, IA 51111
(762) 318-213-2900 (fax) 318-213-2918
www.cellxion.com

CUSTOMER

CINGULAR WIRELESS

PROJECT
11'-5" X 20'-0"
CONCRETE SHELTER
INTERIOR ELEVATION
PANELS A & C

FILED	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE
CGW/SCG21	2/20/03	DATE	2/20/03	DATE	2/20/03	DATE	2/20/03	DATE	2/20/03
SOLE	3/4" x 1'-0"	DATE	3/4" x 1'-0"	DATE	3/4" x 1'-0"	DATE	3/4" x 1'-0"	DATE	3/4" x 1'-0"
DRAWN BY	S. HATH	DATE	S. HATH	DATE	S. HATH	DATE	S. HATH	DATE	S. HATH
CHKD BY	J. HUSSELL	DATE	J. HUSSELL	DATE	J. HUSSELL	DATE	J. HUSSELL	DATE	J. HUSSELL
DATE	2/20/03	DATE	2/20/03	DATE	2/20/03	DATE	2/20/03	DATE	2/20/03
APP. BY	K. GUNSETT	DATE	K. GUNSETT	DATE	K. GUNSETT	DATE	K. GUNSETT	DATE	K. GUNSETT
SHEET NO./PART NO.	4-0	SHEET NO./PART NO.	4-0	SHEET NO./PART NO.	4-0	SHEET NO./PART NO.	4-0	SHEET NO./PART NO.	4-0

DRAWING NO.
SCGW21
REV
F

REV	DATE	DESCRIPTION
1	12/27/02	ADD CONDUIT TO EMT RICH
2	02/20/03	ADD CONDUIT & ITEMS 73, 74
REV	DATE	DESCRIPTION
1	12/27/02	ADD CONDUIT TO EMT RICH
2	02/20/03	ADD CONDUIT & ITEMS 73, 74

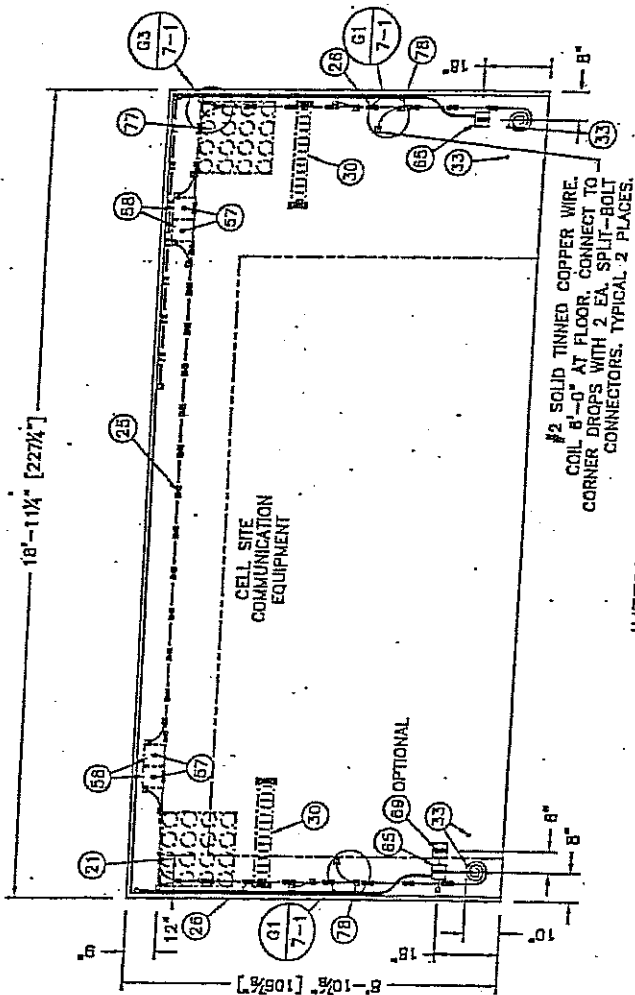


2. PLACEMENT OF ELECTRICAL EQUIPMENT, TO BE DETERMINED BY AVAILABILITY OF PREMADE KNOCKOUTS OR PENETRATION REQUIREMENTS.

4. _____ CUSTOMER EQUIPMENT

CD	DATE	BY	DATE	DESCRIPTION	APPLY	DATE
G	04/03/02	TXD	DOOR	CH20 LV RHT ADDD	18	04/03/02

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REVISIONS	DATE	BY	DATE	BY	DATE	BY	DATE		
1. 11'-5" X 80'-0"	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09		
2. 11'-5" X 80'-0"	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09		
3. 11'-5" X 80'-0"	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09		
4. 11'-5" X 80'-0"	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09	J. HUSSELL	2/22/09		
DRAWING NO. SCG121				SHEET NO. 1 OF 1					
DRAWING NO. SCG121				SHEET NO. 1 OF 1					



INTERIOR ELEVATION D

NOTES:

1. ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
2. PLACEMENT OF ELECTRICAL EQUIPMENT TO BE DETERMINED BY AVAILABILITY OF PREMADE KNOCKOUTS OR PENETRATION REQUIREMENTS.

LEGEND:

1. --- = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
2. --- = HALD GROUND WIRE TO BE #2 STRANDED GREEN COPPER WIRE AND DROPS TO BE #2 BARE SOLID TINNED COPPER WIRE.
3. --- = OPTIONAL ITEMS OR ITEMS WITH OPTIONAL BRANDS. SEE ITEMS LIST (SHEET 0-2).
4. --- = CUSTOMER EQUIPMENT

REV	DATE	DESCRIPTION	APP'D	DATE
1	02/22/09	ADD 11'-5" X 80'-0" CONCRETE SHELTER	J. HUSSELL	02/22/09

NOTES

1. CONDUCTOR COLOR CODE AS FOLLOWS:

- 120/240 SINGLE PHASE
PHASE "A" = BLACK
PHASE "B" = RED
PHASE "C" = BLUE
120/240 THREE PHASE
PHASE "A" = BLACK
PHASE "B" = RED
PHASE "C" = BLUE
277/480 THREE PHASE
PHASE "A" = WHITE
PHASE "B" = BLUE
PHASE "C" = BROWN
NEUTRAL = GRAY

ALL ELECTRICAL GROUNDING - GREEN
ALL ISOLATED GROUND - GREEN/YELLOW STRIPE
ALL SWITCHED - VIOLET

2. ALL CONDUCTORS (UNLESS OTHERWISE NOTED) TO BE STRAPPED THIN, THIN ON TOP.

3. ALL CONDUIT TO BE 3/4" EMT UNLESS OTHERWISE NOTED.

4. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-16 NATIONAL ELECTRICAL CODE.

5. CONDUIT FULL BASED ON CHAPTER 9 - NATIONAL ELECTRICAL CODE.

6. PLACEMENT OF ELECTRICAL COMPONENTS TO BE DETERMINED BY THE AVAILABILITY OF PRE-WORK KNOCKOUTS AND/OR PENETRATION REQUIREMENTS.

7. DASHED LINES (---) DENOTE FIELD WORK.

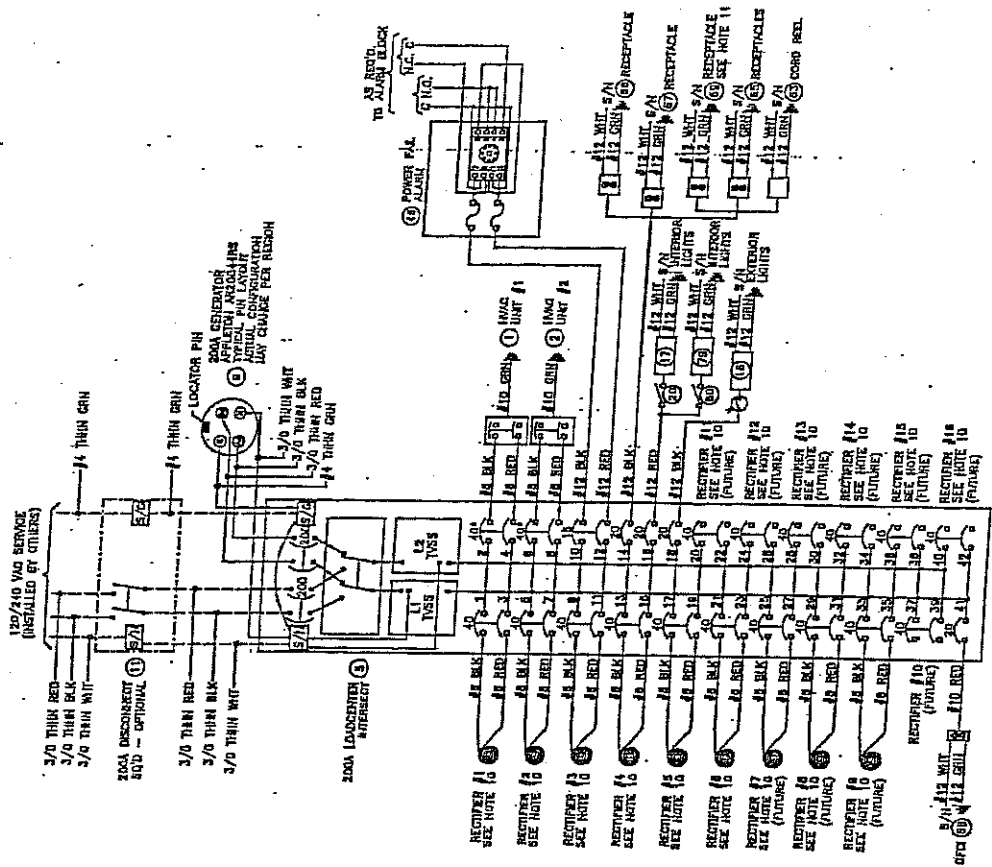
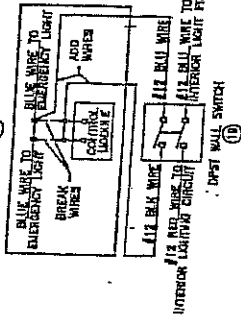
8. ALL CONDUIT ON 20 AMP THROUGH 60 AMP BREAKER MUST USE #10 UNLESS OTHERWISE NOTED PER NEC TABLE 310-16.

9. CONDUCTORS SMALLER THAN 4 AWG MUST HAVE CORRECT COLOR IDENTIFICATION. 4 AWG AND LARGER MAY BE IDENTIFIED BY COLOR. ONLY THE ONLY COLOR FOR INSULATED CONDUCTORS ARE RED, BLACK, WHITE, AND GREEN. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE IDENTIFIED BY COLOR. WHITE, GRAY AND GREEN CONDUCTORS SHALL NOT BE IDENTIFIED.

10. PULL WIRE TO END OF RACEWAY OR 3'-0" AT END OF RACEWAY & T/O, PULL #10 GROUND PER 3 SETS.

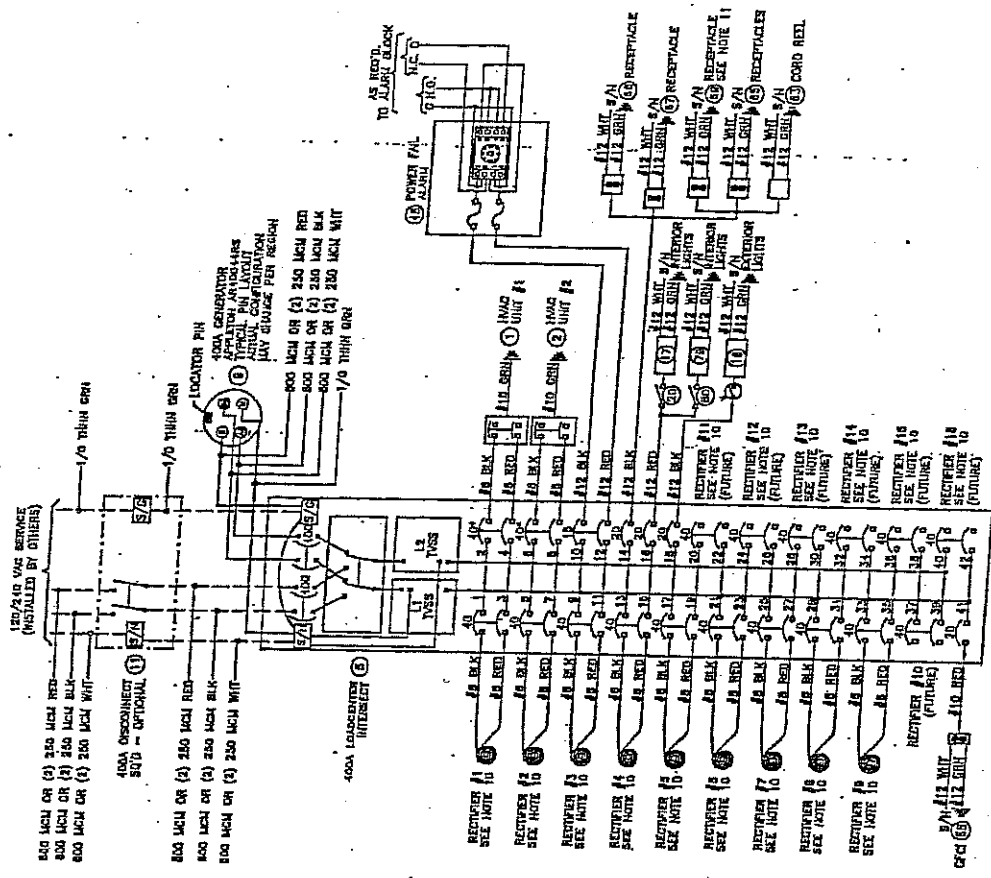
11. ITM #10 TO ONLY BE INSTALLED UNDER INSTALLED WATERPROOF.

EXIT/EMERGENCY LIGHT

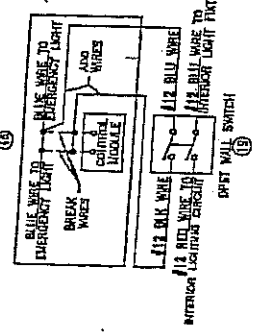


REV	BY	DATE	DESCRIPTION
1	WCH	7/7/02	UPDATED GENERATOR RECEPTACLE SCHEDULING
2	WCH	7/7/02	CHG'D RECEPTACLE NUMBERS
3	WCH	3/17/02	CHG'D EMERGENCY LIGHT SCHEDULING
4	WCH	3/17/02	DESCRIPTION

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Cellxion Solutions for the Wireless Industry Corporate Office & Manufacturing Facility 5001 West Loop Road Houston, TX 77056 (713) 215-2000 (Fax) 713-215-2010 www.cellxion.com		CUSTOMER: CINGULAR WIRELESS	
PROJECT: 11-5' x 8'0" CONCRETE SHELTER ELECTRICAL SCHEMATIC 200A PANEL		DRAWN BY: DATE: 2/27/02 CHK. BY: DATE: 2/27/02 ENG. BY: DATE: 2/27/02 APP. BY: DATE: 2/27/02 SCALE: 1" = 100'	
SHEET NO. 1 OF 1 5-0		SHEET NO. 1 OF 1 5-0	
DRAWING NO. SCOW21		REV. F	



- UNITED STATES GOVERNMENT
1. CONDUCTION COLORS ARE AS FOLLOWS:
PHASE "A" - RED
PHASE "B" - BLACK
PHASE "C" - BLUE
NEUTRAL - WHITE
GROUND - GREEN
ALL ELECTRICAL GROUND - GREEN
ALL ELECTRICAL GROUND - GREEN/YELLOW STRIPE
ALL ELECTRICAL - WHITE
2. ALL CONDUCTORS (WIRELESS CONDUCTIONS) MUST BE IDENTIFIED WITH TAPE ON THE
3. ALL CONDUIT TO BE 3/4" BUT NOT OTHERWISE NOTED.
4. ALL CONDUCTOR WIRELESS ARE BASED ON TABLE 310-18 NATIONAL ELECTRICAL CODE
5. CONDUIT MUST BE ON CHAPTER 8 - NATIONAL ELECTRICAL CODE
6. PLACEMENT OF ELECTRICAL COMPONENTS TO BE DETERMINED BY THE AUTHORITY OF THE LOCAL INSPECTOR
7. POWER LINES (---) BEHIND FIELD WORK.
8. ALL CEMENTS OF 25 PSI THROUGH 80 PSI BREAKER MUST USE #10 CEMENT CONCRETE (SEE TABLE 190-8, 190-9, 190-10, 190-11, 190-12, 190-13, 190-14, 190-15, 190-16, 190-17, 190-18, 190-19, 190-20, 190-21, 190-22, 190-23, 190-24, 190-25, 190-26, 190-27, 190-28, 190-29, 190-30, 190-31, 190-32, 190-33, 190-34, 190-35, 190-36, 190-37, 190-38, 190-39, 190-40, 190-41, 190-42, 190-43, 190-44, 190-45, 190-46, 190-47, 190-48, 190-49, 190-50, 190-51, 190-52, 190-53, 190-54, 190-55, 190-56, 190-57, 190-58, 190-59, 190-60, 190-61, 190-62, 190-63, 190-64, 190-65, 190-66, 190-67, 190-68, 190-69, 190-70, 190-71, 190-72, 190-73, 190-74, 190-75, 190-76, 190-77, 190-78, 190-79, 190-80, 190-81, 190-82, 190-83, 190-84, 190-85, 190-86, 190-87, 190-88, 190-89, 190-90, 190-91, 190-92, 190-93, 190-94, 190-95, 190-96, 190-97, 190-98, 190-99, 190-100, 190-101, 190-102, 190-103, 190-104, 190-105, 190-106, 190-107, 190-108, 190-109, 190-110, 190-111, 190-112, 190-113, 190-114, 190-115, 190-116, 190-117, 190-118, 190-119, 190-120, 190-121, 190-122, 190-123, 190-124, 190-125, 190-126, 190-127, 190-128, 190-129, 190-130, 190-131, 190-132, 190-133, 190-134, 190-135, 190-136, 190-137, 190-138, 190-139, 190-140, 190-141, 190-142, 190-143, 190-144, 190-145, 190-146, 190-147, 190-148, 190-149, 190-150, 190-151, 190-152, 190-153, 190-154, 190-155, 190-156, 190-157, 190-158, 190-159, 190-160, 190-161, 190-162, 190-163, 190-164, 190-165, 190-166, 190-167, 190-168, 190-169, 190-170, 190-171, 190-172, 190-173, 190-174, 190-175, 190-176, 190-177, 190-178, 190-179, 190-180, 190-181, 190-182, 190-183, 190-184, 190-185, 190-186, 190-187, 190-188, 190-189, 190-190, 190-191, 190-192, 190-193, 190-194, 190-195, 190-196, 190-197, 190-198, 190-199, 190-200, 190-201, 190-202, 190-203, 190-204, 190-205, 190-206, 190-207, 190-208, 190-209, 190-210, 190-211, 190-212, 190-213, 190-214, 190-215, 190-216, 190-217, 190-218, 190-219, 190-220, 190-221, 190-222, 190-223, 190-224, 190-225, 190-226, 190-227, 190-228, 190-229, 190-230, 190-231, 190-232, 190-233, 190-234, 190-235, 190-236, 190-237, 190-238, 190-239, 190-240, 190-241, 190-242, 190-243, 190-244, 190-245, 190-246, 190-247, 190-248, 190-249, 190-250, 190-251, 190-252, 190-253, 190-254, 190-255, 190-256, 190-257, 190-258, 190-259, 190-260, 190-261, 190-262, 190-263, 190-264, 190-265, 190-266, 190-267, 190-268, 190-269, 190-270, 190-271, 190-272, 190-273, 190-274, 190-275, 190-276, 190-277, 190-278, 190-279, 190-280, 190-281, 190-282, 190-283, 190-284, 190-285, 190-286, 190-287, 190-288, 190-289, 190-290, 190-291, 190-292, 190-293, 190-294, 190-295, 190-296, 190-297, 190-298, 190-299, 190-300, 190-301, 190-302, 190-303, 190-304, 190-305, 190-306, 190-307, 190-308, 190-309, 190-310, 190-311, 190-312, 190-313, 190-314, 190-315, 190-316, 190-317, 190-318, 190-319, 190-320, 190-321, 190-322, 190-323, 190-324, 190-325, 190-326, 190-327, 190-328, 190-329, 190-330, 190-331, 190-332, 190-333, 190-334, 190-335, 190-336, 190-337, 190-338, 190-339, 190-340, 190-341, 190-342, 190-343, 190-344, 190-345, 190-346, 190-347, 190-348, 190-349, 190-350, 190-351, 190-352, 190-353, 190-354, 190-355, 190-356, 190-357, 190-358, 190-359, 190-360, 190-361, 190-362, 190-363, 190-364, 190-365, 190-366, 190-367, 190-368, 190-369, 190-370, 190-371, 190-372, 190-373, 190-374, 190-375, 190-376, 190-377, 190-378, 190-379, 190-380, 190-381, 190-382, 190-383, 190-384, 190-385, 190-386, 190-387, 190-388, 190-389, 190-390, 190-391, 190-392, 190-393, 190-394, 190-395, 190-396, 190-397, 190-398, 190-399, 190-400, 190-401, 190-402, 190-403, 190-404, 190-405, 190-406, 190-407, 190-408, 190-409, 190-410, 190-411, 190-412, 190-413, 190-414, 190-415, 190-416, 190-417, 190-418, 190-419, 190-420, 190-421, 190-422, 190-423, 190-424, 190-425, 190-426, 190-427, 190-428, 190-429, 190-430, 190-431, 190-432, 190-433, 190-434, 190-435, 190-436, 190-437, 190-438, 190-439, 190-440, 190-441, 19



	DATE	7/1/01	UPDATED GENERATION RECEIPT OF SCHEDULE		VER.	7/1/01
6	SIN	3/27/03	CFO ACCEPTANCE NUMBERS		VER	3/27/09
7	REV BY	3/1/03	RPO EMBROIDERY LOT NUMBERS		VER	3/1/03
			DESCRIPTION		APP BY	DATE

Cellion Solutions for the
Krafts Industry
Corporate Office &
Manufacturing Facility
2001 Hazen Avenue Road
Beverly City, VA 21111
(phone) 318-212-2900 (fax) 318-212-2918
www.cellion.com

CUSTOMER:
CINCULAR WIRELESS

PROJECT:
11'-5" X 20'-0"
CONCRETE SHELTER
ELECTRICAL SCHEMATIC
400A PANEL

FILENAME	DATE/SCORE/IN-1	TELEPHONE
SCW21	N.T.S.	
SCW21	DORWAL, BR	
SCW21	S. LATIN	DATE 3/28/02
SCW21	CHURCH, BR	DATE 3/28/02
SCW21	V. HASTELL	DATE 3/28/02
SCW21	LEUNG, BR	DATE 3/28/02
SCW21	K. BURKE	DATE 3/28/02
SCW21	APP. P.	DATE 3/28/02
SCW21	J. HODG	DATE 3/28/02
SCW21	DORWAL, BR/PART HQ1	
SCW21	5-1	
SCW21	DRAWING HQ1	
SCW21	REV	F

ENGINEER SEAL

CellXion
Solutions for the
Manufacturing Industry

Corporate Office
8001 West Lake Road
Boling, IN 46106
(402) 315-2133 (fax) 315-213-2918

CUSTOMER

CINGULAR WIRELESS

11'-5" PROXIMITY
CONCRETE SHELTER
LOW VOLTAGE WIRING

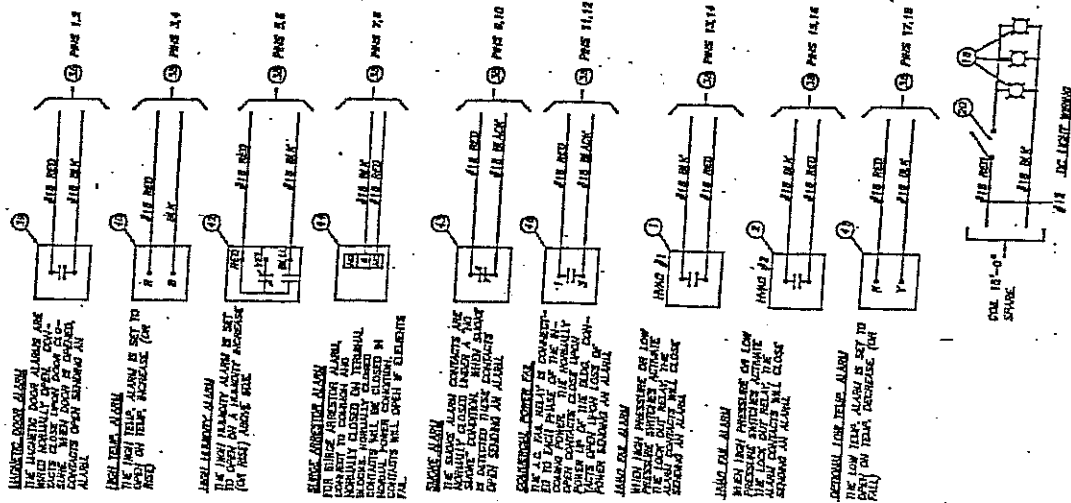
REVISION		DATE	BY	DESCRIPTION
1	REVISED	2/28/02	V. HASSELL	INITIALS
2	REVISED	2/28/02	V. HASSELL	INITIALS
3	REVISED	2/28/02	V. HASSELL	INITIALS
4	REVISED	2/28/02	V. HASSELL	INITIALS
5	REVISED	2/28/02	V. HASSELL	INITIALS

DRAWING NO. SC0121

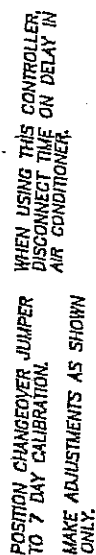
REV. 5-2

SHEET NO. / PART NO. 5-2

REV	BY	DATE	DESCRIPTION
1	V. HASSELL	2/28/02	INITIALS
2	V. HASSELL	2/28/02	INITIALS
3	V. HASSELL	2/28/02	INITIALS
4	V. HASSELL	2/28/02	INITIALS
5	V. HASSELL	2/28/02	INITIALS



REV	BY	DATE	DESCRIPTION
1	V. HASSELL	2/28/02	INITIALS
2	V. HASSELL	2/28/02	INITIALS
3	V. HASSELL	2/28/02	INITIALS
4	V. HASSELL	2/28/02	INITIALS
5	V. HASSELL	2/28/02	INITIALS

[illegible]

DRAWING NO.: SC0421	REV: F
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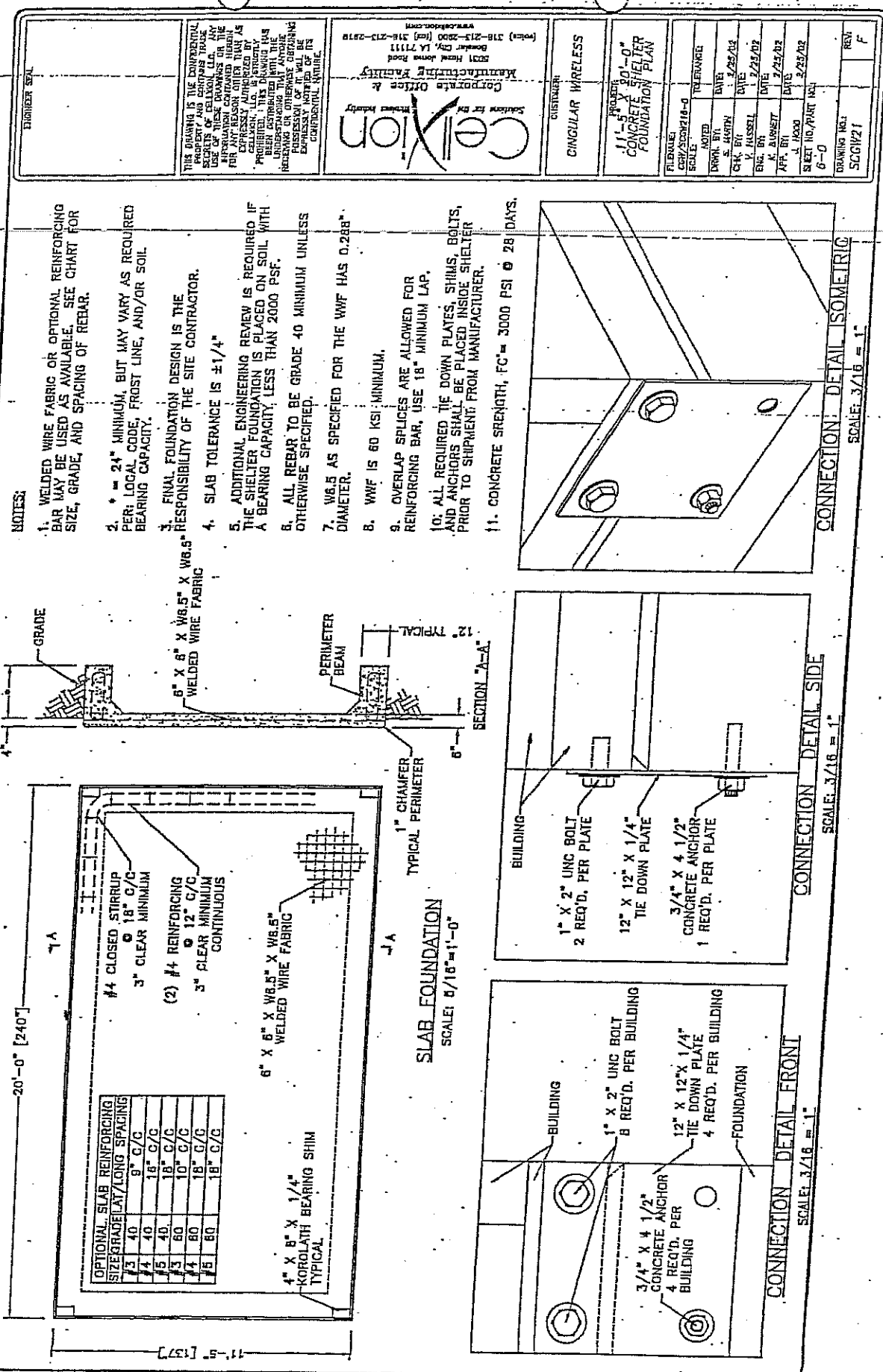


EXHIBIT 201

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www.cellulose.com

CUSTOMER
CINGULAR WIRELESS

PROJECT
11'-5" X 20'-0" CONCRETE SHELTER FOUNDATION PLAN

FILED:
COW/SCW218-0

SCALE	DATE	BY	REVISION
1/8" = 1'-0"	7/25/02	S. HART	1
1/8" = 1'-0"	7/25/02	V. HUSSELL	2
1/8" = 1'-0"	7/25/02	A. BARNETT	3
1/8" = 1'-0"	7/25/02	A. HAZO	4

DRAWING NO.
SCW21

REV.
F

CONNECTION: DETAIL ISOMETRIC
SCALE: 3/4" = 1"

CONNECTION: DETAIL SIDE
SCALE: 3/4" = 1"

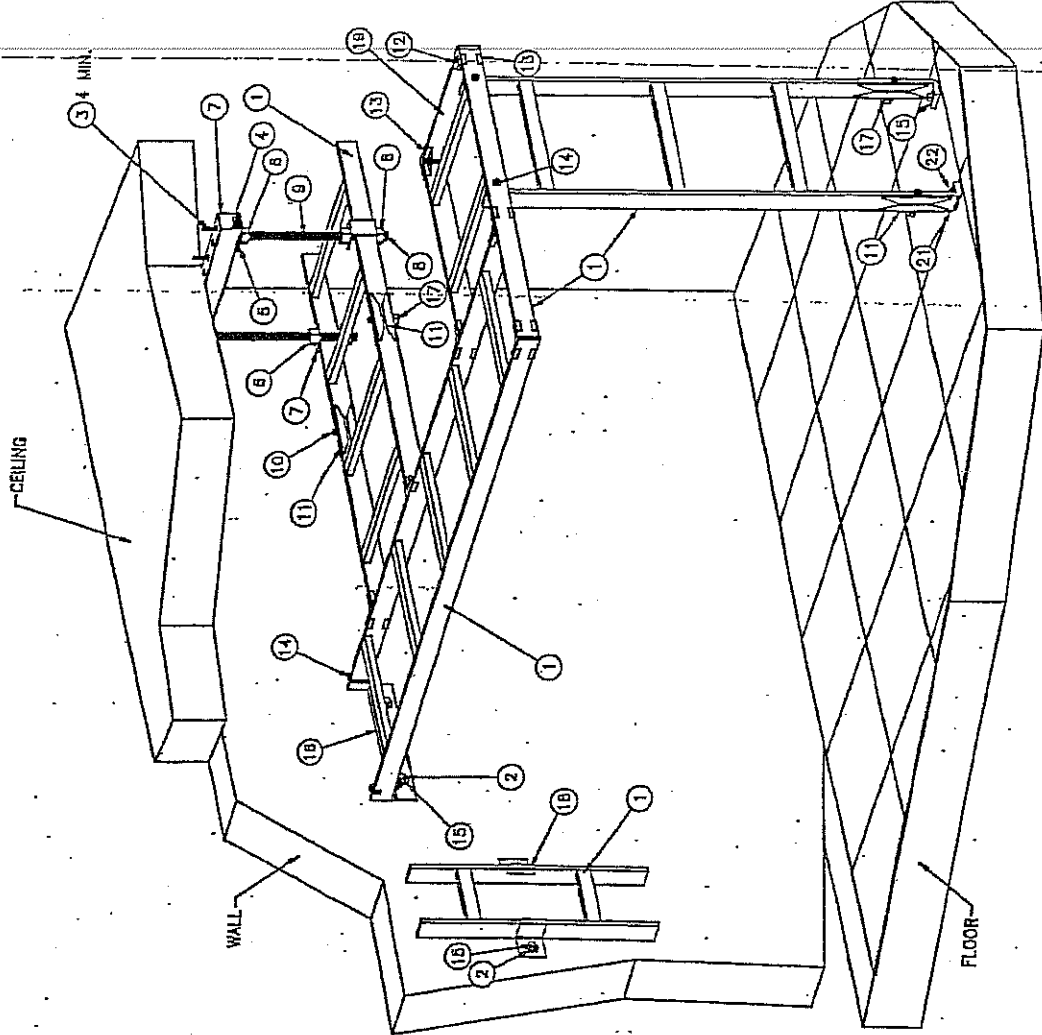
CONNECTION: DETAIL FRONT
SCALE: 3/4" = 1"

MATERIAL LIST

ITEM NO.	DESCRIPTION	PART NO.
1	CABLE TRAY (SIZE VARIES)	VARIES
2	3/8" X 2" LAG SCREW	184263
3	5/8" X 1 1/4" GALV. SCREW	186022
4	5/8" SPRING LESS TWIRL NUT	186048
5	5/8" SO. YELLOW ZINC WASHER	510012
6	5/8" HEX YELLOW ZINC NUT	510013
7	HANGING BRACKET	510017
8	5/8" ALL-THREAD CAP	510021
9	5/8" ZINC PLATED ALL-THREAD	186026
10	3/8" X 2 1/4" BOLT	510010
11	STRAIGHT CLAMP	510010
12	3/8" X 1 1/2" BOLT	510002
13	CORNER CLAMP	510002
14	1/4" X 2 1/4" J-BOLT	510004
15	3/8" FLAT WASHER (SIZE VARIES)	186038
16	WALL ANGLE (SIZE VARIES)	VARIES
17	3/8" HEX NUT	186038
18	WALL S CLAMP	510017
19	CLOSING BAR	VARIES
20	1/4" X 1" FENDER WASHER	186052
21	CABLE LADDER, FLOOR BRACKET	510074
22	SLEEVE ANCHOR, 5/16" X 1 1/2"	186055
23		
24		
25		

NOTES:

1. PARTS AND DETAILS SHOWN ARE TYPICAL. SOME PARTS AND DETAILS MAY BE OMITTED FROM SHELTER.
2. CABLE TRAY FINISH, SIZES AND LOCATION MAY VARY. REFER TO CEILING VIEW, INTERIOR ELEVATIONS AND/OR ITEM LIST FOR LOCATIONS AND SIZES.
3. HANGING BRACKET ASSEMBLY MAY VARY IN LOCATION.
4. CLOSING BARS ARE USED TO TERMINATED CABLE TRAY RUN AS REQUIRED.



ENGINEER SEAL

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www.cellxion.com

CUSTOMER
CINGULAR WIRELESS

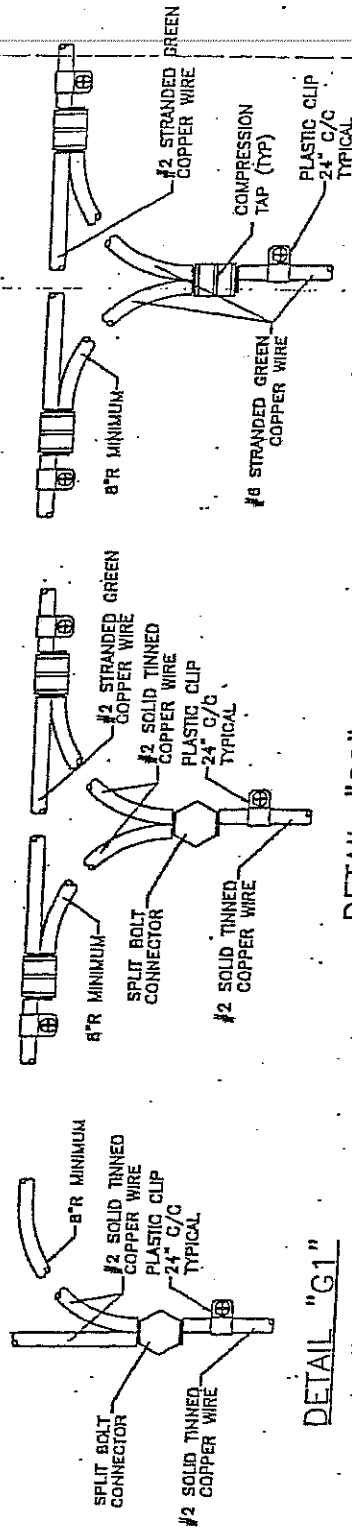
PROJECT:
11'-0" x 20'-0" CONCRETE SHELTER
CABLE TRAY DETAILS

REVISION	DATE	TOLERANCE
1	2/25/02	1/4" ± 1/8"
2	2/25/02	
3	2/25/02	
4	2/25/02	
5	2/25/02	
6	2/25/02	
7	2/25/02	

DRAWING NO.1
SCGH21
REV. F

LEGEND:

= COMPRESSION TAP
 = SPLIT BOLT CONNECTOR



DETAIL "G1"

N.T.S.

DETAIL "G2"

N.T.S.

DETAIL "G3"

N.T.S.

- HALO GROUND TO BE #2 GREEN INSULATED STRANDED COPPER WIRE.
- VERTICAL DROPS TO BE #2 SOLID TINNED COPPER WIRE. PULL TO FLOOR AND COIL ADDITIONAL 10'-0".
- ALL BENDS MIN. 8" RADIUS.
- APPLY ANTI-OXIDATION COMPOUND TO ALL CONNECTIONS.
- GROUND CABLE TRAY AS SHOWN WITH #6 STRANDED GREEN COPPER CONDUCTOR AND 2-HOLE LUG.
- GROUNDING OF CONDUIT TO HALO SHOULD NOT EXCEED 3 CONDUITS PER CONNECTION.
- CONNECT CABLE BACK TO HALO GROUND WITH #2 AWG GREEN CONDUCTOR AND 2-HOLE LUG.
- CONNECT #2 AWG GREEN TO GROUND BAR IN ITEM (5) AND CONNECT TO CELL REF. GROUND BAR (30).
- CONNECT TELCO GROUND BAR TO CELL REF. GROUND BAR (36) WITH #2 AWG GREEN.
- USE DOUBLE CRIMP C-TAPS FOR ALL CONNECTIONS TO HALO GROUND. USE (2) SPLIT BOLTS FOR ALL SOLID TO SOLID WIRE CONNECTIONS.
- MOUNT T1 ARRESTORS (44) TO TELCO BOARD DIRECTLY ABOVE TELCO GROUND BAR (31). USE #6 STRANDED GREEN COPPER CONDUCTOR & 2-HOLE LUG, STRAIGHT RUNS.
- ALL GROUND CONNECTIONS TO THE HALO TO BE NON-DIRECTIONAL. SEE DETAIL G1.
- CONDUCTORS TO BE INSTALLED AFTER WAVEGUIDE ENTRY HAS BEEN INSTALLED. USE PLASTIC WIRE CLIPS TO WALL. RUN CONDUCTORS WHERE POSSIBLE AT 86" ABOVE FINISHED FLOOR.
- EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN & DESTINATION.
- EACH GROUND BAR TO BE LABELED.
- INSTALL GROUND BAR UNDER INSTALLED WAVEGUIDE.
- BOND ALL BOXES LARGER THAN 4" X 4" TO THE HALO GROUND.
- TINNED SOLID #2 CORNER DOWN LEADS AS IT PASSES WITHIN 6" OF THE ITEM.

ENGINEER SEAL

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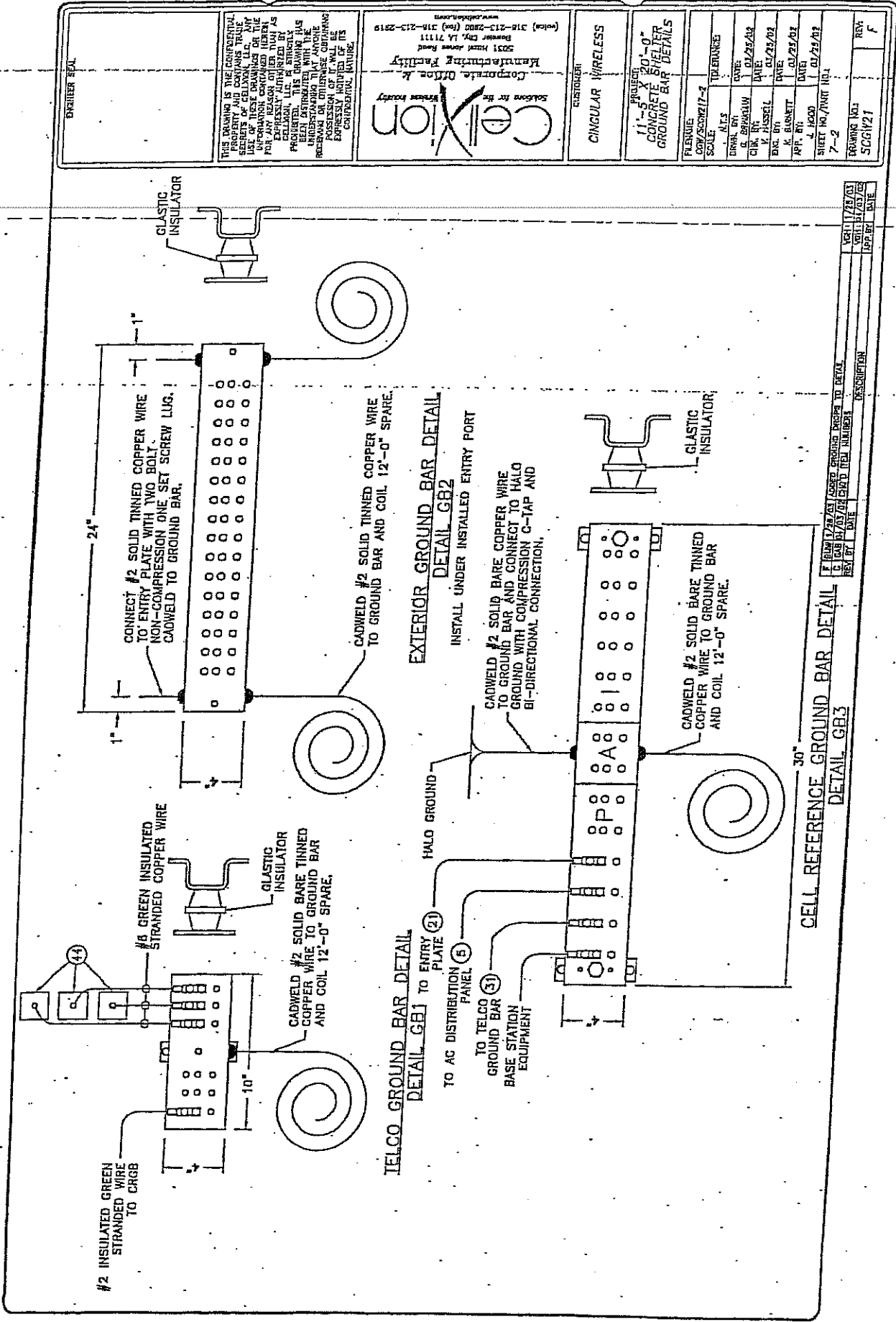
Cellxion
 Corporate Office
 5001 Hiram Avenue Road
 Houston, TX 77061
 (713) 213-2132
 (713) 213-2132

CUSTOMER: CINGULAR WIRELESS

PROJECT: 11'-5" X 20'-0" CONCRETE BELTER GROUNDING DETAILS

FILE NUMBER	SCG21/SCG217-1
SCALE	TO BE DETERMINED
DATE	N.T.S.
DATE	2/23/02
DATE	2/23/02
DATE	2/23/02
DATE	2/23/02
DATE	2/23/02
SHEET NO./PART NO.	7-1
DRAWING NO.	SCG21
REV	F

REV	BY	DATE	DESCRIPTION	APP'D	DATE
0	CAB	01/03/02	CONCRETE BELTER AND ADDED TELCO NUMBERS		01/03/02
1	CAB	01/03/02	ADDED TELCO NUMBERS		01/03/02



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Cellxion Corporate Office & Manufacturing Facility 5053 Hazel Avenue Road Bossier City, LA 71111 (713) 318-2123-2500 (fax) 318-213-2519 www.cellxion.com	
CUSTOMER CINCULAR WIRELESS	
11'-0" THROUGH 12'-0" CONCRETE STEELER GROUND BAR DETAILS	
FLEXURE CORR/SW/ST/7-2 SCALE ALLS DIMEN. IN C. BR/MLLW CLK. IN BML. IN APP. IN	TOLERANCE DIMEN. IN C. BR/MLLW CLK. IN BML. IN APP. IN
DATE 01/23/03 DATE 01/23/03 DATE 01/23/03 DATE 01/23/03	DATE 01/23/03 DATE 01/23/03 DATE 01/23/03 DATE 01/23/03
SHEET NO./PART NO. 7-2	
DRAWING NO. SCGH21	
REV.	

REV.	DATE	DESCRIPTION
1	01/23/03	CELL REFERENCE GROUND BAR DETAIL
2	01/23/03	CELL REFERENCE GROUND BAR DETAIL
3	01/23/03	CELL REFERENCE GROUND BAR DETAIL
4	01/23/03	CELL REFERENCE GROUND BAR DETAIL
5	01/23/03	CELL REFERENCE GROUND BAR DETAIL
6	01/23/03	CELL REFERENCE GROUND BAR DETAIL
7	01/23/03	CELL REFERENCE GROUND BAR DETAIL
8	01/23/03	CELL REFERENCE GROUND BAR DETAIL
9	01/23/03	CELL REFERENCE GROUND BAR DETAIL
10	01/23/03	CELL REFERENCE GROUND BAR DETAIL