

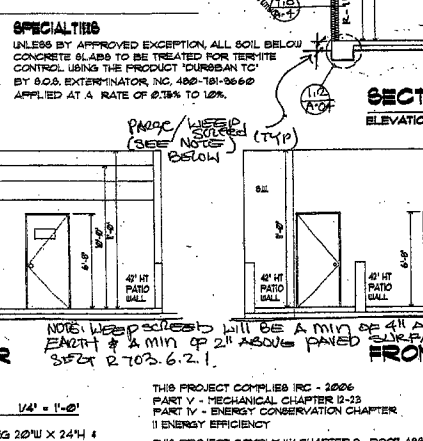
PROPOSED SITE PLAN
 City of Tucson TO7CM03843
 Willdan - 13090-7790
 2006 (R-1) 1997 UAC & 2006 UPC
 SPR (R-3) OCCUP. V-B Construction
 520 SF (ADDITION) - S-MK PREPARED
 01/11/07

SITE WORK
 SHOP DRAWINGS TO BE SUBMITTED TO GENERAL CONTRACTOR AND PROCESSED FOR REVIEW PRIOR TO EXECUTING OR FABRICATING THAT AREA OF WORK. NO DEVIATION FROM THE APPROVED DRAWINGS SHALL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND BUILDING OFFICIAL. BUILDING LIGHTING SHALL COMPLY WITH NEC & COT LIGHT POLLUTION ORDINANCE. ALL EXTERIOR LIGHTS TO BE LESS THAN 50W INCANDESCENT. CONTRACTOR TO BE AWARE OF EXISTING ELEC. BOXES, WATER METER, TEL. BOXES, ETC. & ADJUST AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE OF CONSTRUCTION AND ALL MATERIALS, SORTED AND IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL DRAWINGS OF THE CONTRACT DOCUMENTS.

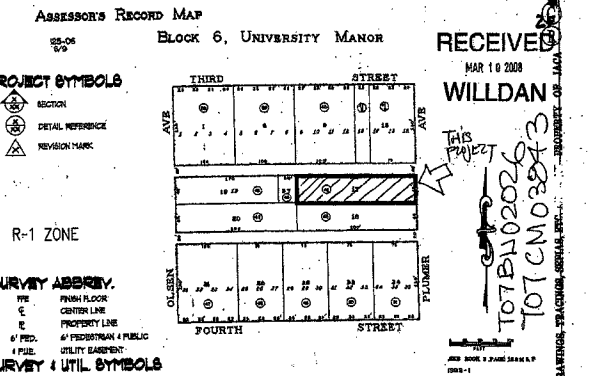
GENERAL NOTES:
 ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE LOCAL GOVERNING BUILDING CODE, LOCAL ZONING CODE, NATIONAL E. CODE, NFPA, OSHA, AND ALL OTHER APPLICABLE CODES, RULES AND REGULATIONS ALL IN THEIR LATEST EDITION OF ALL AUTHORITIES HAVING JURISDICTION OVER WORK OF THIS TYPE. THE CONTRACTOR SHALL POLICE ALL SUBCONTRACTORS TO COMPLY WITH THESE REGULATIONS. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THEIR BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE PROJECT SITE DURING THE PROGRESS OF THE WORK. THE SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR AND ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR.

MOISTURE/THERMAL CONTROL
 ALL ROOFING SYSTEMS TO BE INSTALLED PER MANUFACTURERS WRITTEN SPECIFICATION. SEALINGS OF PENETRATIONS IN THE BUILDING ENVELOPE AND AT THE JUNCTION OF DISSEMBLY MATERIALS TO BE OF AN APPROVED TYPE AND INSTALLED TO INSURE WEATHER TIGHTNESS.
 MINIMUM INSULATION VALUES TO BE:
 ROOF: CEILING
 R-19
 FRAME WALLS
 R-13
 WHERE ATTIC VENTILATION IS REQUIRED, THE NET FREE AREA TO BE A FIFTH (1/5) OF THE SPACE TO BE VENTILATED OR 1/300 OF THE SPACE PROVIDED. THAT BOX OF THE VENTILATION AREA IS 3' ABOVE THE EAVE OR CORNICE. VENTILATION OPENINGS TO BE COVERED WITH A CORROSION RESISTANT FRESH AIR INTAKE. A FRESH OPENING LEAST 1/4" IN. PROVIDE A MINIMUM 1" CLEARANCE BETWEEN INSULATION AND ROOF SHEATHING.
 EXTERIOR SOFFITS REQUIRING STUCCO, TO BE APPLIED TO 1/2" MOISTURE RESISTANT GYPSUM WALLBOARD. ALL GYPSUM WALLBOARD USED AS A BASE FOR HARD SURFACE FINISHES IN SHOWERS, TUBS OR WATER CLOSET COMPARTMENTS SHALL BE OF WATER RESISTANT TYPE. VALLEYS WILL COMPLY WITH SECT R 309.2.2 CLAY AND CONCRETE TILE SHALL COMPLY WITH SECT R 309.3 THIS PROJECT COMPLY WITH CHAPTER 6 FOR WALL CONSTRUCTION. FOR FASTENER SCHEDULE FOR STRUCTURE MEMBERS SEE TABLE R 602.3 PAGE 104 FOR GIRDER SPANS AND HEADER SPANS FOR EXTERIOR BEARING WALLS (MAX. HEADER SPANS) SEE TABLE R 602.5 (1) AND (2)

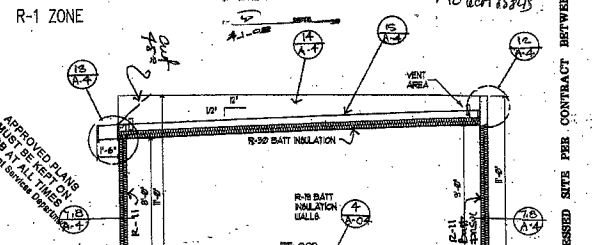
CITY OF TUCSON
 DSD ZONING APPROVAL
 Site Plan Egrading Plan & Wall
 Lot 5511 @ Sign # 1122
 SCZ @ 01/11/07
 11/11/07 4 beds



ELEVATIONS
 1/4" = 1'-0"
 TYP.-WINDOW SILL HEIGHT 44" MAX. WINDOW OPENING 20" W X 24" H THE TOTAL SQ. FT. OF THE OPENING MUST BE 51 SQ. FT.



MEG CALCULATION BASED ON:
 MTL WINDOW-DOUBLE PANE
 EXTERIOR DOOR
 CEILING WALLS - 4" WALLS
 11' Batt
 WASTEWATER MANAGEMENT (1/2" DIA) OTHERS
 2006 15cc - Comply chapter
 City of Tucson
 ENGINEERING APPROVAL
 5 EXISTING 5' DIA
 1 NEW 1 X 6 (WATTS) (250 LUMENS) = 5,000 LUMENS
 1 X 6 (WATTS) (250 LUMENS) = 5,000 LUMENS
 06/05/2006 10/10/07 8355



SECTION "A"
 ELEVATION
 1/4" = 1'-0"
 9-50 BATT INSULATION
 R-8 BATT INSULATION WALLS
 4" HT PATIO WALL
 4" HT PATIO WALL
 4" HT PATIO WALL

PLANCHICK
 BY [Signature]
 DATE: MAR 2 2007
 ASPME 1/7

J.A.C.A. DESIGN
 DRAFTING SERVICES
 TUCSON, ARIZONA
 CELL (520) 908-4522 FAX (520) 614-0000
 POOR ARCHITECTURE IS NOT THE SAME AS ARCHITECTURE FOR THE POOR

RECEIVED
 MAR 10 2008
 WILLDAN
 107CM03843
 107CM03843

CLIENT: THE CONTRACT BETWEEN J.A.C.A. AND [Name]
FOR THE ADDRESS: [Address]
DATE: SEPT 2007
DRAWING INDEX:
 A-01 SITE PLAN
 A-02 FOUND PLAN
 A-03 WALL PLAN
 A-04 ROOF PLAN
 A-05 MEG PLAN
 A-06 SECT. PLAN
 A-07 DETAILS
 A-08 GRN. NOTBS
PROJECT: GUEST QUARTER ADDITION
 Parcel 184-06-040
 670 N TRIMBER AVE
 TUCSON, AZ 85718
 UNIVERSITY MANOR
 LOT 17 BLK 6
 Docket 12477, Page 2543
 Book 8, Page 122
 Township 14S, Range 14E
 Section 6
SHEET NO.: A-01

TO7CM03843

SPECIFICATION NOTES

INTERNATIONAL RESIDENTIAL CODE - IRC 2006 + UNIFORM PLUMBING CODE - UPC-2006

Structural

CHAPTER 4 - FOUNDATION
All work must conform to all requirements of the International Residential Code 2006 edition. Comply with all laws, ordinances, codes, rules & regulations of authorities having jurisdiction. Codes are minimal acceptable standards & do not relieve the contractor from complying with the more stringent requirements of the plans.

I. DESIGN LOADS

1. Design Loads 20 PSF
2. Horizontal Wind loads 15 PSF
3. Seismic Loading Zone C
4. Allowable Soil Pressure 1500 PSF Assumed

II. FOUNDATION AND EARTHWORK

1. All footing shall be founded at the depths indicated on construction drawings.
2. All earth fill under footing, floors, and other paved areas shall be machine compacted in 6 inch layers to the following maximum densities, at optimum moisture content in accordance with ASTM D698-05, Method D:
 - A. Below foundation level 95% compaction
 - B. Floor slab support & backfill 90% compaction
 - C. Floor base course 95% compaction
3. Floor slab base course shall be 4 inches of well-graded sand and gravel base course material.

III. CONCRETE

1. All concrete shall be ready-mixed, conforming with ASTM-C94, and attain the following minimum 28-day compressive strengths:
 - A. Footing, stemwalls and slabs on grade 28 00 psi (max)
 - B. Curbs, sidewalks 2500 psi
2. Concrete work shall conform with the latest editions of the following ACI STANDARDS OF RECOMMENDED PRACTICE & THE 2006 IBC
 - A- ACI 318-11 Building Code Requirements for reinforced concrete.
 - B- ACI 605-5B Practices for Hot Weather Concrete.
 - C- ACI 614-5B Practices for Measuring, Mixing & Placing.
 - D- ACI 317-11 Practice of Formwork.
3. All concrete shall have a minimum cement content of 5-1/2 sacks per cubic yard, and a maximum water content of 28 gallons per sack of cement. Maximum slump shall be 4 inches.
4. All concrete shall contain pozzolli water reducing agent.
5. All concrete slabs shall be cured with Edeco® 202 Curing Compound. All other concrete surfaces shall be kept moist and cured for a minimum of 7 days.

IV. REINFORCING STEEL

1. Reinforcing steel shall conform to ASTM Specification A615, Grade 40
2. Welded wire fabric shall have minimum strength of 65,000 PSI and conform with ASTM designation A-195
3. Minimum concrete protection, except as noted:
 - A. Slabs 3/4 inches.
 - B. Walls & Columns 1-1/2 inches.
 - C. Footings 3 inches.
4. Lap all reinforcing steel splices, double, wall corners, and footing corners, at minimum of 50 diameters. Min. lap for masonry splices shall be 50 diameters.
5. See Section VII - Masonry, Paragraph 7, below.

V. MISCELLANEOUS STEEL

1. All miscellaneous steel shapes shall conform to ASTM A36 with a minimum yield strength of 36,000 PSI.
2. Steel walls to conform with ASTM A500.

VI. LUMBER CONSTRUCTION

1. All wood construction shall conform to Chapter 6 of the International Residential Code 2003
2. All joists, rafters, studs, plates, and blocking shall be 1-1/2" LGE material.
3. Girts shall be 2x4 F.V.A.
4. Place 2" solid blocking between joist & rafters & supports.
5. Place bolts in wood not less than 1 Dia. from end & 4 Dia. from the edge. Place bolts not less than 4 Dia. on center.

VII. MASONRY

1. All masonry shall be constructed in accordance with International Residential Code 2003
2. Solid masonry units shall conform to ASTM C67, Grade III, with a compressive strength of 2,000 PSI.
3. Concrete masonry units shall be hollow load bearing conforming to ASTM C90, type I, grade U-1, with a minimum 28-day net compressive strength of 2,000 PSI.
4. Masonry mortar shall conform to ASTM C270-08, Type IS, with a minimum 28-day compressive strength of 2,000 PSI.
5. Ms. 500 grout shall conform to ASTM C416, coarse gr. wt. with a minimum 28-day compressive strength of 2,000 PSI.
6. All masonry shall be reinforced with truss type "Duro-Wall" horizontally at 16 inches o.c. unless indicated otherwise. Vertical reinforcement shall be shown on the drawings.
7. Provide 4x vertical rebar at all wall corners and intersections and joints of at all wall openings and ends of walls.
8. Provide "Duro-Wall" wide flange vertical expansion joints in masonry at maximum 32 feet o.c. or as indicated on drawings.

Plumbing

All work must conform to all requirements of the International Plumbing Code, 2006 Edition. Comply with all laws, ordinances, codes, rules & regulations of authorities having jurisdiction. Codes are minimal acceptable standards & do not relieve the contractor from complying with the more stringent requirements of the plans.

1. Secure & pay for permits, inspections & certificates required by authorities having jurisdiction.
2. Provide labor, materials, tools, machinery & equipment necessary for the construction of the plumbing system including miscellaneous items required for proper execution.
3. Drawings are diagrammatic & intended to show approximate location of outlets, equipment & piping.
4. Guarantee work to be free from defects in workmanship & material for a period of one year from date of final acceptance. Promptly repair or replace materials or equipment which prove defective within that period without cost to the owner.
5. Pipe & Pipe fittings, ABS (sch 40) & PVC (sch 40) may be used where approved by code.
6. Install cleanouts where indicated on the drawings & as required by the plumbing code. Distances between cleanouts not to exceed 15 feet.
7. Fixtures & trim as selected by Owner, furnished & installed by plumbing contractor, unless otherwise noted.
8. Wrap copper pipes leaning on or touching steel with poly-methylene tape.
9. Connection to Fixtures:
 - A. Make connections to all plumbing fixtures & other plumbing equipment indicated on the drawings.
 - B. Install joints between closets & flanges with asbestos composition gaskets or Sol-Max gaskets. Gaskets shall be germicidal, gas-tight, water-tight & stain-proof.

10. Tests:

- A. Make tests on water piping with hydrostatic pressure for a period of not less than one hour using an approved pressure gauge.
- B. Remove all items which may be damaged by test pressure & replace after tests have been approved.
- C. Promptly repair leaks & repeat test.
- D. Test pressures shall be as follows:
 - All water 150 PSI Hydrostatic
 - Sewer 10 PSI Hydrostatic

Nailing Schedule

CHAPTER 6 - WALL CONSTRUCTION

TABLE R602.3 FASTENER SCH FOR STRUCTURAL MEMBERS

NAILING SCHEDULE - IRC 2006

All framing to comply with CONNECTION	NAILING
1. Joist to sill or girder, toe-nail.	3-8d
2. Bridging to joist, toe-nail each end.	2-8d
3. 1x6" x 125mm x 152mm subfloor to each joist, face nail.	2-8d
4. Wider than 1x6" subfloor to each joist, face nail.	3-8d
5. 2" (51mm) subfloor to joist or girder, blind and face nail.	2-16d
6. Sole plate to joist or blocking, face nail.	1-6d @ 16" (406mm)
7. Sole plate to joist or blocking, at braced wall panels	2-16d
8. Top plate to stud, and nail.	4-8d toe-nail or 1-6d end-nail
9. Stud to sole plate.	1-6d @ 16" (406mm) o.c.
10. Doubled studs, face wall.	1-6d @ 16" (406mm) o.c.
11. Doubled top plates, typical face nail.	1-6d @ 16" (406mm) o.c.
12. Double top plates, lap splice.	3-16d
13. Blocking between joists or rafters to top plate, toe-nail	1-6d
14. Rim joist to top plate, toenail.	8d @ 6" (152mm) o.c.
15. Top plates, laps and intersections, face nail.	2-16d
16. Continuous header, two pieces.	1-6d @ 16" (406mm) o.c. along each edge
17. Ceiling joist to plate, toenail.	3-8d
18. Continuous header to stud, toenail.	4-8d
19. Ceiling joists, laps over partitions, face nail.	3-16d
20. Ceiling joists to parallel rafters, face nail.	3-8d
21. Rafter to plate, toenail.	2-8d
22. (25mm) bracing to each stud and plate, face nail	2-8d
23. 1x6" (25mm x 203mm) sheathing or less to each bearing, face nail	3-8d
24. Built-up girder and beams.	2-8d @ 24" o.c.
25. Built-up corner studs.	1-6d @ 32" (813mm) o.c. @ top bottom and staggered
26. 2" (51mm) planks	2-20d at ends & at each splice
	2-16d at each bearing

HVAC PART V - MECHANICAL CHAPTER 12 - 23

All work must conform to all requirements of the International Mechanical Code 2003 edition. Comply with all laws, ordinances, codes, rules & regulations of authorities having jurisdiction. Codes are minimal acceptable standards & do not relieve the contractor from complying with the more stringent requirements of the plans.

1. Secure & pay for permits, inspections & certificates required by authorities having jurisdiction.
2. Provide labor, materials, tools, machinery & equipment necessary for the construction of the plumbing system including miscellaneous items required for proper execution & completion of work.
3. Drawings are diagrammatic & intended to show approximate location of outlets, equipment, duct work & piping.
4. Guarantee work to be free from defects in workmanship & material for a period of one year from date of final acceptance. Promptly repair or replace materials or equipment which prove defective within that period without cost to the owner.
5. Duct sizes shown are sheet metal sizes.
6. Externally insulate all supply & return duct work below the roof with 1" thick fiberglass FRK 25, series ED-1B insulation. Secure to duct, insulate all lines to & from condensing units or roof.
7. Grills & diffusers shall be equal to the following Krueger figure no.
 - 8" Dual Grille (supply) 800V-0BD for A/C 800V coolers
 - Ceiling diffuser 193-0BD for A/C 193 coolers
 - Calling grille (return) 8-20 BFF with hinge
8. Supply ducts from above, do not rest on ceiling construction piping or electrical conduits.
9. Build ducts of galvanized steel. Gauges & construction shall be in accordance with the mechanical code & SMACNA "Ton Velocity Requirements"
10. Flash & counter flash all duct penetrations through roof or walls.
11. Tight seals shall be airtight & the joints shall be taped or painted with mastic.
12. Instruct the owner in the operation of the equipment.
13. Balance the CFM output from all outlets with an approved instrument & make all adjustments necessary to bring the delivery within 10% of the specified quantity.
14. Adjust the blades in all supply outlets to produce air distribution satisfactory to the occupants.
15. Contractor to verify all electrical characteristics of equipment prior to ordering & installing.

Electrical

PART VIII - ELECTRICAL CHAPTER 55 - 42

Electrical installation shall conform with electrical codes in this area & with the National Electrical Code. All work must conform to all requirements of the Int. Residential Code 2006 edition. Comply with all laws, ordinances, codes, rules & regulations of authorities having jurisdiction. Codes are minimal acceptable standards & do not relieve the contractor from complying with the more stringent requirements of the plans.

1. Electrical panels shall be square "D" type "QD" or equivalent.
2. Minimum wire size shall be # 14 (cu) in Kitchen, Dining Room, Rec/Family Room install # 2 (cu) All branch circuit wire shall be THW
3. Verify exact location of mech equipment, T-stats & control wiring, size of equip, eg. (HP, amps, voltage, etc) prior to rough-in & comply as required.
4. Electrical contr. shall do all wiring necessary & connect all special controls furnished by mech contr.
5. Fuses of A/C units & motors shall be type FRN. Fuses for panel feeders shall be type KTR.
6. All disconnect switches for motors shall be HP rated. Motors shall be protected with proper sized fuses.
7. If electrical conductors used are aluminum, terminate & splice as recommended by mfg. & as follows:
 - A. Clean conductors with a wire brush & apply "NO-OX-ID" grade Al special (sealing paste) thoroughly as soon as conductors are cleaned.
 - B. Use AL/CU type lugs. Connectors etc. with factory filled connector plates.
8. The following items may be used where permitted by code:
 - A. Non-metallic type cable.
 - B. Non-metallic device boxes.
 - C. Aluminum conductors.
9. Verify the telephone co. as to conduit & trenching requirements & comply as required for entire job.
10. Switches & receptacles shall be Leviton, Slatex or equal flush with ivory plates of proper gang as required.
11. Light fixtures as selected by owner, furnished & installed by electrical contractor unless otherwise noted.
12. All wire shall be THW/THHN or THLN INSULATION optional

CHAPTER 8 - ROOF CEILING CONSTRUCTION

TABLE R802 + R802.5

HARDWARE SCHEDULE

All Hardware Strong tie by Simpson (or equal)	BEARING	NON-BEARING
EXTERIOR WALL LS		
WITH LEDGER OR NAILED		
Stud to sole plate	H2B every stud	H2B every other stud
Stud to 2x6/rafter	A3B every stud	A3B every other stud
Stud to top plate	none	none
WITH TRUSSES OR RAFTER		
Stud to sole plate	H2B every stud	H2B every other stud
Stud to top plate	A3B every stud	A3B every other stud
Truss/rafter to top plate	H2B every stud	NA
Gable to top plate	NA	H2B Flat o/c @ 32" o.c. or A3B inside @ 52" o.c.
WINDOWS, DOORS		
Header to king stud	H2B Flat o/c, and	H2B Flat o/c, and
King stud/trimmer to sole pl.	2-H2B 1 o/c, 1/6	2-H2B 1 o/c, 1/6
Cripples under sill	none	none

INTERIOR WALLS

Bearing walls - Same hardware as exterior nonbearing non-bearing - no hardware required.	OTHER NOTES
26. Wood structural panels & partitionboard: Subfloor, roof & wall sheathing (to framing) (1 inch = 25.4mm)	2-16d at each bearing
1/2" and less	6d (3)
1/2" - 3/4"	8d (4) or 6d (5)
3/4" - 1"	8d (4)
1-1/8" - 1-1/4"	10d (4) or 8d (5)
Combination subfloor - underlayment (to framing): 1/2" and less	8d (5)
7/8" - 1"	8d (3)
1-1/8" - 1-1/4"	10d (4) or 8d (5)
27. Panel siding (to framing): 1/2" (13mm) or less	6d (6)
5/8" (16mm)	8d (6)
28. Fiberglass sheathing 1/2" (13mm)	N # 11 ga. (8)
	8d (6)
	N # 16 ga. (9)
	N # 11 ga. (8)
	8d (4)
	N # 11 ga. (8)
	4d (10)
	6d (11)
29. Interior paneling: 1/4" (6.4mm)	
3/8" (9.5mm)	

APPROVED PLANS MUST BE KEPT ON SITE AT ALL TIMES Development Services Department

PLAN CHECK BY DATE 05/26/2007 ASPME/T/P

JOB NO. 95-2K7
STAR DATE SEPT 2007
DRAWING INDEX:
A-01 SITE PLAN
A-02 ELEVATIONS
A-03 FOUND. PLAN
A-04 WALL PLAN
A-05 ROOF PLAN
A-06 MECH. PLAN
A-07 ELEC. PLAN
A-08 DETAIL SHEETS
A-09 GEN. NOTES
PROJECT: GUEST QUARTER ADDITION
Parcel 120-04-040
BROOKS TATIANA A
TR 11 FULBURN AVE
TUCSON, ARIZONA

DWG by J.A.C.A. DESIGN
DRAWING SERVICES TUCSON, ARIZONA
Book 8, Page 132
Township 14S, Range 14E
Section 8
SHEET NO. GN-1
AS ARCHITECTURE FOR THE POOR

CLIENT: THE REPRODUCIBLE DRAWINGS, TRACING, REPAIR, ETC. ARE THE PROPERTY OF JACA. THESE DOCUMENTS ARE TO BE USED ONLY FOR THE ADDRESSED SITE PER CONTRACT BETWEEN JACA.