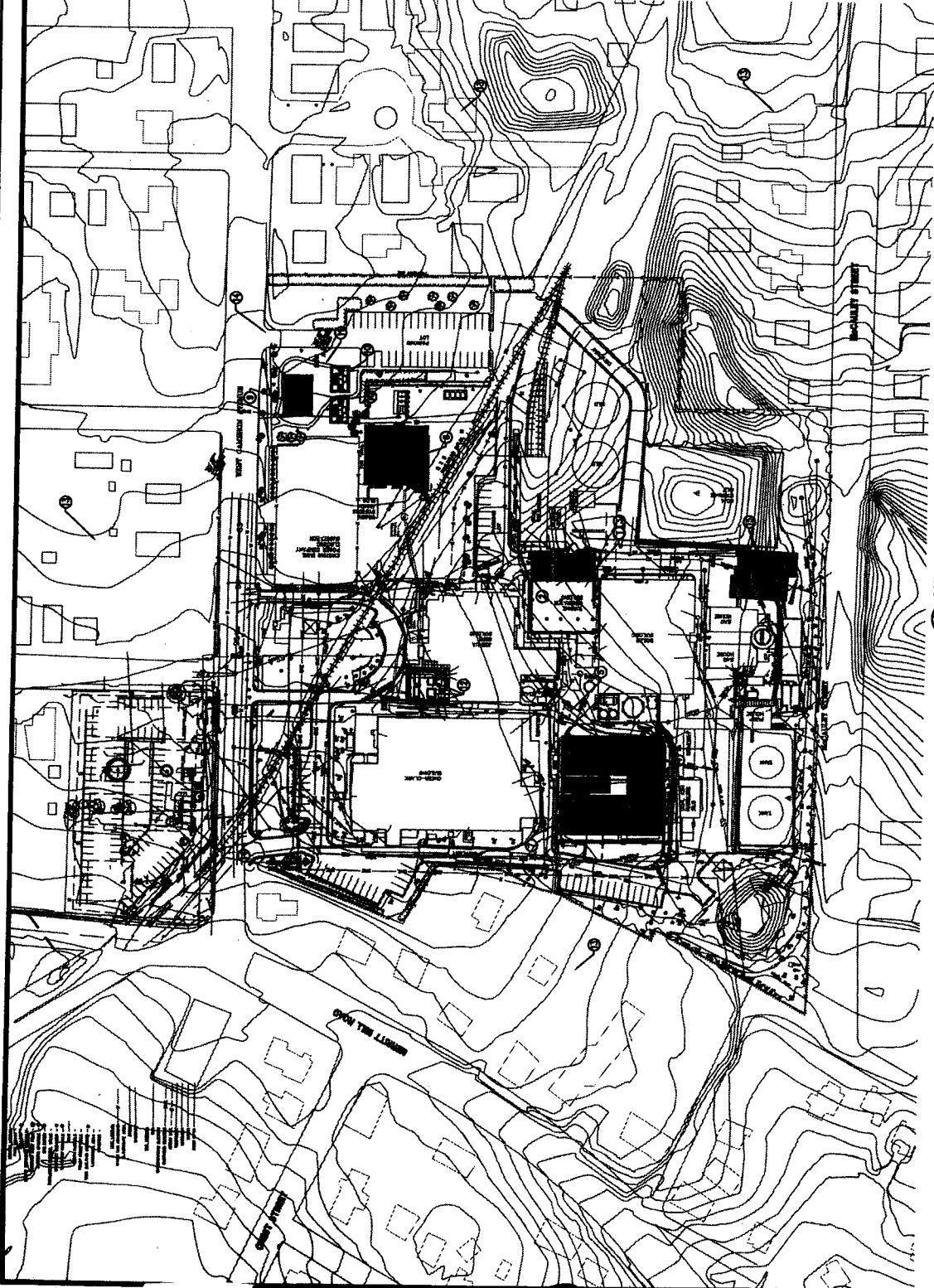


57

NOTES BY SYMBOL 'O'

1. NEW BUILDING FOR THREE-CORNER BARRACKS FOR INSTALLATION. BUILDING APPROXIMATELY 200' SQUARE FEET, HEIGHT = 20' TALL ABOVE ADJACENT GRADE LEVEL.
2. EXISTING BUILDING CONSIDERED THREE AND ASSOCIATED EQUIPMENT TO BE UPGRADED IN EXISTING BUILDING.
3. NEW BUILDING CONSIDERED FOUR BUILDING TO BE CONSTRUCTED TO MATCH EXISTING BUILDING MATERIALS. BUILDING APPROXIMATELY 200' SQUARE FEET, HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSIDERED ALUMINUM FRAME, CUSTOM WALLS WITH ALUMINUM AND GLASS GLAZING, AND FLAT ROOF WITH PARAPET.
4. NEW FIELD-ERECTED FIBERGLASS COOLING TOWER, APPROXIMATELY 30' TALL, 120' DIAMETER.
5. NEW ELECTRICAL BUILDING TO HOUSE EQUIPMENT ASSOCIATED WITH COOLING TOWER. BUILDING APPROXIMATELY 100' SQUARE FEET, HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSIDERED CONSTRUCTED OF SPILT-FAÇE CONCRETE WITH METAL ROOF, COLOR TO MATCH ADJACENT BUILDING.
6. NEW WATER TREATMENT BUILDING TO HOUSE EQUIPMENT ASSOCIATED WITH COOLING TOWER. BUILDING APPROXIMATELY 100' SQUARE FEET, HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSIDERED CONSTRUCTED OF SPILT-FAÇE CONCRETE WITH METAL ROOF, COLOR TO MATCH ADJACENT BUILDING.
7. THIRTY-ONE FOOT TALL ARCHITECTURAL SCREEN WALL. EXTENDING THE LENGTH OF THE COOLING TOWER. LOWER WALL PORTION OF WALL CONSTRUCTED OF SPILT-FAÇE CONCRETE. UPPER PORTION OF WALL CONSTRUCTED OF METAL PANELS. LOWER PORTION TOP OF WALL IS 27' ABOVE ADJACENT GRADE FROM THE FOOT TO TOP OF WALL. UPPER PORTION OF WALL IS 30' ABOVE ADJACENT GRADE FROM THE FOOT TO TOP OF WALL. WALL SHALL BE CONSTRUCTED OF PAINTED ARCHITECTURAL METAL PANELS.
8. NEW CAMERON SUBSTATION BUILDING, APPROXIMATELY 1000' SQUARE FEET. BUILDING CONSIDERED CONSTRUCTED OF SPILT-FAÇE CONCRETE WITH METAL ROOF. BUILDING CONSIDERED CONSTRUCTED OF SPILT-FAÇE CONCRETE WITH METAL ROOF.
9. NEW CAMERON GAS RELIEF BELLTOWER BUILDING, APPROXIMATELY 100' SQUARE FEET. BUILDING HEIGHT = 20' ABOVE GRADE. BUILDING CONSIDERED CONSTRUCTED OF INCK VESSEL OVER CAST-IN-PLACE CONCRETE WALLS WITH BUILT-UP ROOF.
10. 100-12.47 KV TRANSFORMER WITH OIL CONTAINMENT BASIN.
11. CHAIN LINK FENCE TO MATCH EXISTING.
12. EXISTING BULKER 4 TRANSFORMERS RELOCATED FROM CAMERON SUBSTATION SITE ON CONC. PADS AND 4' SLOTTED WALL.
13. SURROUNDING EXISTENTIAL ROADS.
14. CONSTRUCTION ACCESS TO SITE.
15. NEW STORAGE BUILDING, APPROXIMATELY 1000' SQUARE FEET.
16. NO BARRACKS TO BE BUILT ON SITE.
17. CONSTRUCTION ACTIVITY IN AREAS OF SLOPES GREATER THAN 5% SHALL BE CONSTRUCTED WITH CONSTRUCTION TECHNIQUES SECTION 3.3.3 OF THE CHAPEL HILL MANUAL.
18. NO HYDROLOGICAL FEATURES EXIST ON AND AFFECTED WITHIN THE LIMITS OF THE SITE.
19. SOLS TYPED WITHIN THE SITE LIMITS ARE BEING CORRECTED OR APPLIED - UNLESS PER THE ORANGE COUNTY SOIL SURVEY.



CARTER-BURGESS SITE PLAN

CAMERON HILL TANK BARRACKS IMPROVEMENTS - CAMERON SUBSTATION IMPROVEMENTS
OVERALL SITE PLAN

DATE: 04/14/05
 FILE NUMBER: C-05000007
 SHEET NO. 16 OF 16

The University of North Carolina
 at Chapel Hill
CAMERON SUBSTATION UPGRADE

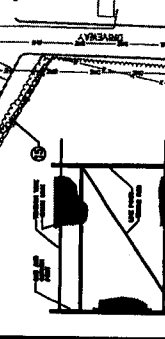
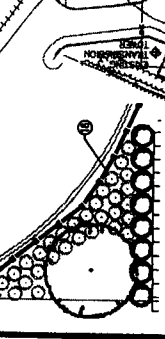
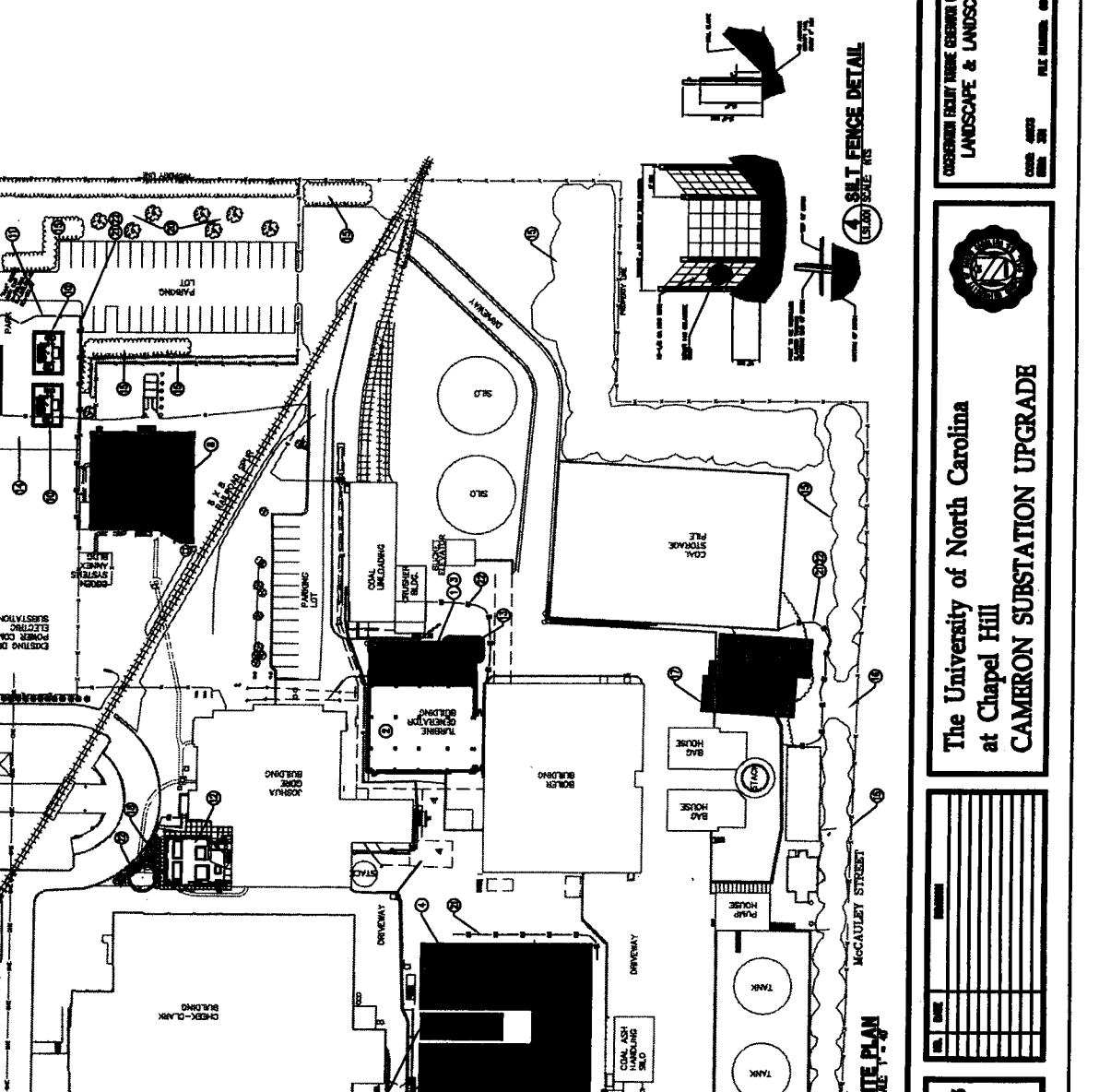
NO.	DATE	REVISION

Carter-Burgess
 615 UNIVERSITY / AVENUE, S.W.
 28117 CAMERON, NORTH CAROLINA, 27811
 P.O. BOX 10000
 CHAPEL HILL, NC 27517-1000



File Post-DNR 4-14-05

- 52
- ## NOTES BY SYMBOL 'O'
1. NEW BUILDING FOR TURNING GENERATOR NUMBER FOUR INSTALLATION - BUILDING APPROXIMATELY 8000 SQUARE FEET, HEIGHT = 7' TALL ABOVE ADJACENT GRADE LEVEL.
 2. EXISTING TURNING GENERATOR THREE AND ASSOCIATED EQUIPMENT TO BE UPGRADED IN EXISTING BUILDING.
 3. NEW TURNING GENERATOR FOUR BUILDING TO BE CONSTRUCTED TO MATCH EXISTING BUILDING CASE IN PLACE CONCRETE BASE WALL, ALUMINUM FRAME GLAZING WALLS WITH ALUMINUM AND GLASS CLADDING, AND FLAT ROOF.
 4. NEW NEW-ERECTED FRESH-AIR COOLING TOWER, (TWO TOWNS) APPROXIMATELY 25' TALL, 100' LONG EA.
 5. NEW WATER TREATMENT/ELECTROCAL BUILDING TO HOUSE EQUIPMENT ASSOCIATED WITH COOLING TOWER. BUILDING APPROXIMATELY 3000 SQUARE FEET, HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSTRUCTED OF CMU WITH BUILT-UP ROOF.
 6. NOT USED.
 7. THIRTY-FIVE FOOT TALL ACCESSIBLE SCREEN WALL - EXTENDING THE LENGTH OF THE COOLING TOWER. LOWER PORTION OF WALL TO BE CONSTRUCTED OF PRECAST CONCRETE. UPPER PORTION OF WALL TO BE CONSTRUCTED OF BRICK. WALL SHALL BE CONSTRUCTION WITH BRICK FACED WALL SPILL CONSTRUCTION OF STEEL PATTERNED ARCHITECTURAL FINISH TO MATCH PANELS OF ADJACENT BUILDING & TURNING BUILDING.
 8. NEW CAMERON SUBSTATION BUILDING, APPROXIMATELY 10000 SQUARE FEET, HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSTRUCTED OF CMU WITH BUILT-UP ROOF. CASE-IN-PLACE CONCRETE WALLS WITH BUILT-UP ROOF.
 9. NEW CAMERON GAS REGULATED INTERMEDIATE BUILDING - APPROXIMATELY 1200 SQUARE FEET, BUILDING HEIGHT = 20' ABOVE ADJACENT GRADE. BUILDING CONSTRUCTED OF BRICK WITH BUILT-UP ROOF.
 - 10-12.47 HV TRANFORMER WITH OIL CONTAINMENT BASIN, (TWO TOTAL)
 11. 17' TALL CHAIN LINK FENCE TO MATCH EXISTING AROUND PERIMETER OF NEW SUBSTATION YARD.
 12. EXISTING ISLAND & TRANSFORMER RELAYED FROM CAMERON SUBSTATION SITE ON CONCRETE PADS WITH 3'-SEED SCREEN WALL.
 13. NEW PLAYING ISLAND ADJACENT TO TURNING BUILDING.
 14. CANAL SUBSTATION SERVICE YARD.
 15. FOR EXISTING PLANTING SEE ATTACHED LINC-01 CONSTRUCTION FACILITY EXISTING LANDSCAPE PLAN BY GRS SWINNE DATED APRIL, 1998.
 16. EXISTING GATE IN FENCE.
 17. NEW 3-STORY STORAGE BUILDING - 10000 SQUARE FEET WITH BUILT-UP ROOF. BUILDING TO MATCH EXISTING BUILDING TO MATCH EXISTING BUILDING - TOTAL HEIGHT FROM REAR GRADE 80'-0".
 18. NEW PLANTING AREA TO INCLUDE (1) 20 GALLON CRUPE MYRTLE (O) 10 GALLON AMARANTH (2) 20 GALLON LANTANA (SEE ENLARGED PLANTED PLAN 1/8"=1'-0").
 19. NOT USED.
 20. EXISTING MATRIE OF TREES (240'), NOT TO BE DISTURBED.
 21. TREE PROTECTION FENCING AS PER TOWN OF CHAPEL HILL REQUIREMENTS.
 22. SEMI-TRAILER FENCING AS PER TOWN OF CHAPEL HILL REQUIREMENTS.



1 SITE PLAN

SCALE 1/8" = 1'-0"

DATE: 01/15/02

DRAWN: [Name]

CHECKED: [Name]

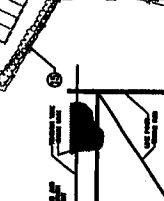
FILE NUMBER: 0000000000

SHEET NO. 08 OF 09

PROJECT NUMBER:
LS1001

**CHapel Hill TURNING GENERATOR UPDATES - CAMERON SUBSTATION UPDATES
LANDSCAPE & LANDSCAPE PROTECTION PLAN**

DATE: 01/15/02



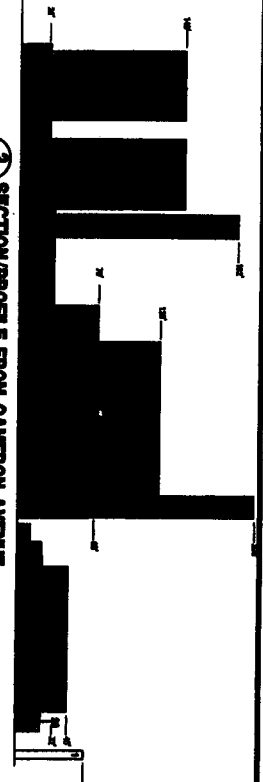
The University of North Carolina at Chapel Hill CAMERON SUBSTATION UPGRADE

Carter-Burgess

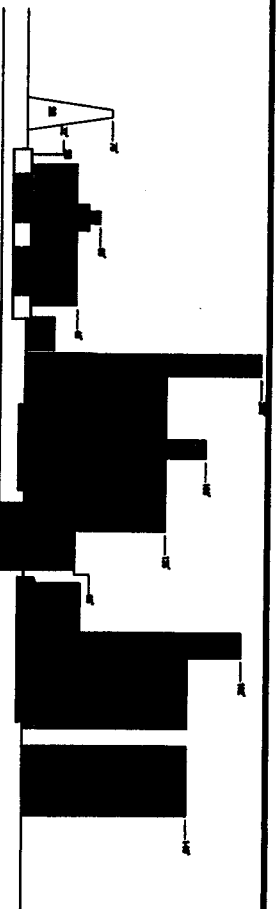
555 S. CLAYTON AVENUE / SUITE 200
RALEIGH, NORTH CAROLINA 27611
PH: 919-762-6600



53



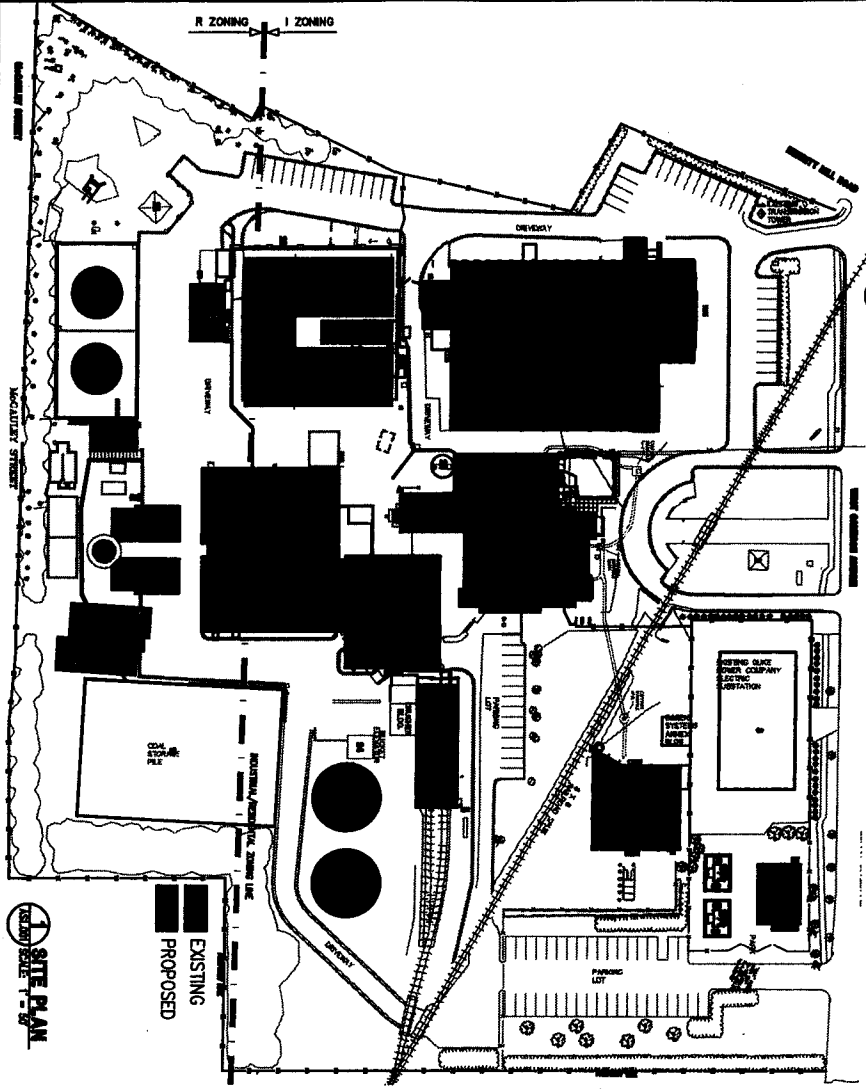
SECTION/PROFILE FROM CAMERON AVENUE



SECTION/PROFILE FROM McCALLEY STREET



SECTION/PROFILE FROM MERRITT MILL ROAD



1 SITE PLAN

NOTES BY SYMBOL

- | | |
|---|------------------------------------|
| 1. TRANSMISSION TOWER (EXISTING), | 21. STORAGE BUILDING (PROPOSED). |
| 2. TRANSMISSION TOWER (EXISTING), | 22. TRANSMISSION TOWER (EXISTING). |
| 3. DUNE POWER UNIVERSITY SUBSTATION (EXISTING), | 23. SCREEN WALL (PROPOSED). |
| 4. GAS INSULATED SWITCHGEAR BUILDING (PROPOSED), | 24. BUCKET ELEVATOR (EXISTING). |
| 5. SUBSTATION BUILDING (PROPOSED), | 25. STACK (EXISTING). |
| 6. OFFICE WOODWORKING SHOP (EXISTING), | |
| 7. JOSHUA CORNE BUILDING (EXISTING), | |
| 8. TURBINE GENERATOR #3 BUILDING (EXISTING), | |
| 9. TURBINE GENERATOR #4 BUILDING (PROPOSED), | |
| 10. COAL UNLOADING BUILDING (EXISTING), | |
| 11. COAL SILD #1 AND #2 (EXISTING), | |
| 12. WATER TREATMENT/ELECTRICAL BUILDING (PROPOSED), | |
| 13. COOLING TOWERS (PROPOSED), | |
| 14. BOILER BUILDING (EXISTING), | |
| 15. ASH SILD BUILDING (EXISTING), | |
| 16. LONG TERM COAL STORAGE (EXISTING), | |
| 17. FUEL OIL TANKS #1 AND #2 (EXISTING), | |
| 18. FUEL OIL PUMPHOUSE (EXISTING), | |
| 19. BAY HOUSE #1 AND #2 (EXISTING), | |
| 20. STACK (EXISTING), | |

BUILDING HEIGHT INFORMATION

AS PER TOWN OF CHAPEL HILL LAND SECTION 3.6-1
 MAX. BUILDING HEIGHT AS LISTED:
 PRIMARY - 8 - 10'
 SECONDARY - 1 - 3'
 R - R - 3'

Carter-Burgess
 C & B ARCHITECTURAL ENGINEERS, P.A.
 3811 CLAYTON AVENUE, SUITE 300
 RALEIGH, NORTH CAROLINA 27612

NO.	DATE	DESCRIPTION

**The University of North Carolina
 at Chapel Hill
 COGENERATION ENGINEERING**

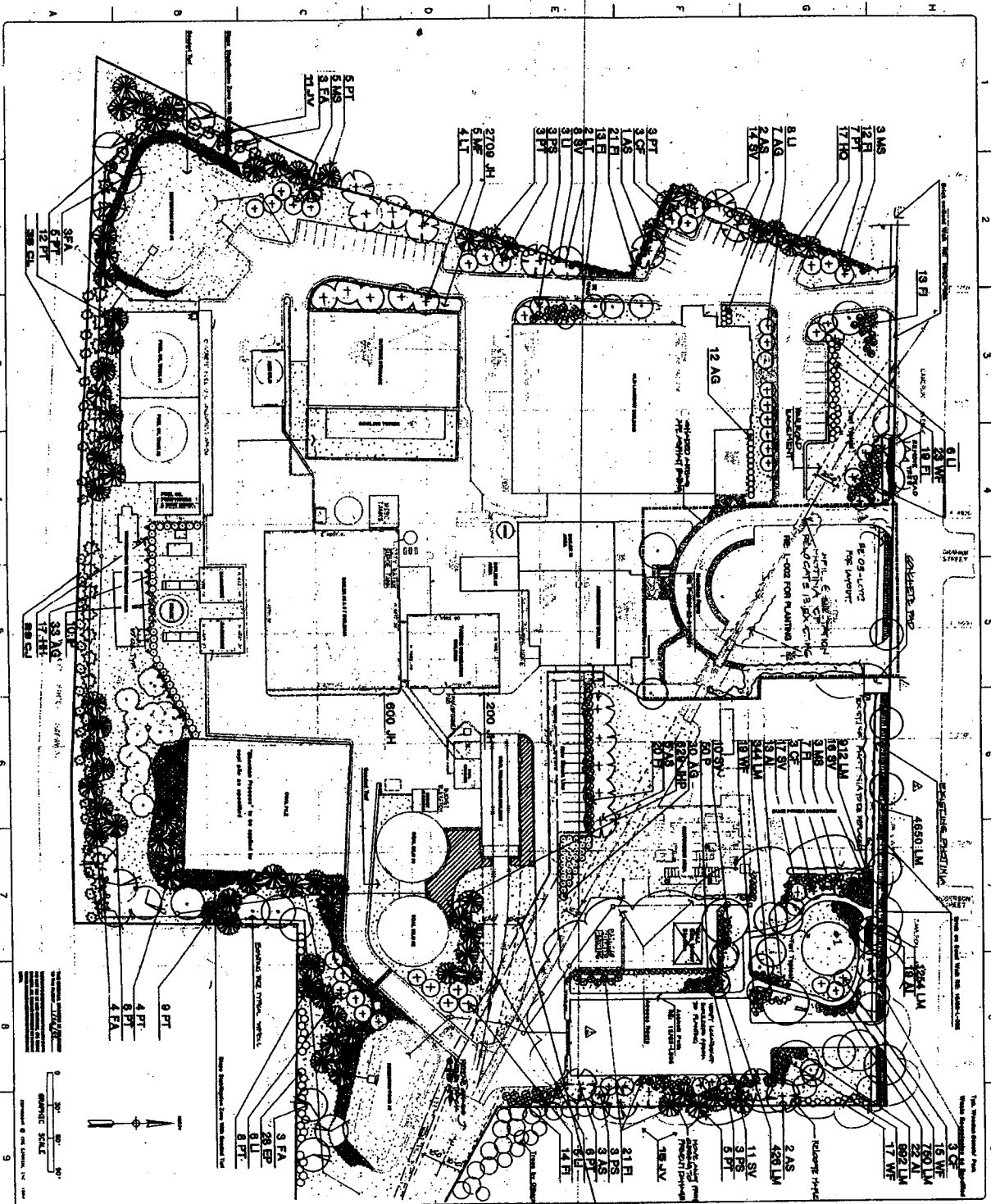


CORNERSTONE FACILITY ENGINEERING SERVICES - BEI SERVICE BUILDING
 SITE SECTIONS W/ BUILDING PROFILES

OWNER: UNCS
 DATE: 08/15/11
 PROJECT: BEI SERVICE BUILDING
 SHEET NO: 50 OF 65

PROJECT NUMBER: 1661001
 SHEET NO: 50





NOTES

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
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10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

LEGEND

1	ASPHALT DRIVE
2	CONCRETE DRIVE
3	GRAVEL DRIVE
4	GRAVEL DRIVE
5	GRAVEL DRIVE
6	GRAVEL DRIVE
7	GRAVEL DRIVE
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59	GRAVEL DRIVE
60	GRAVEL DRIVE

CLIENT INFORMATION

CLIENT: **CRSS**

PROJECT: **CRSS**

DATE: **11/11/78**

SCALE: **AS SHOWN**

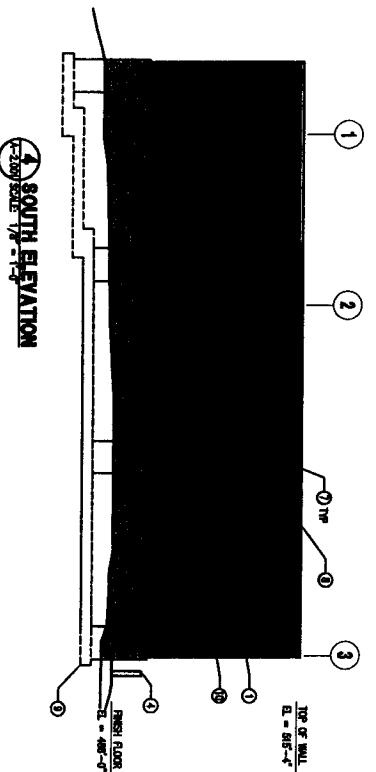
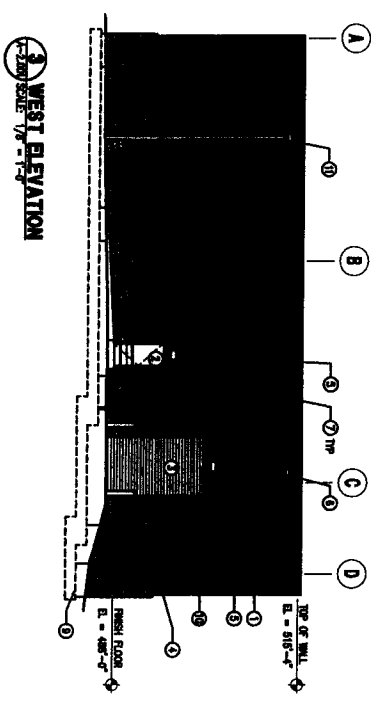
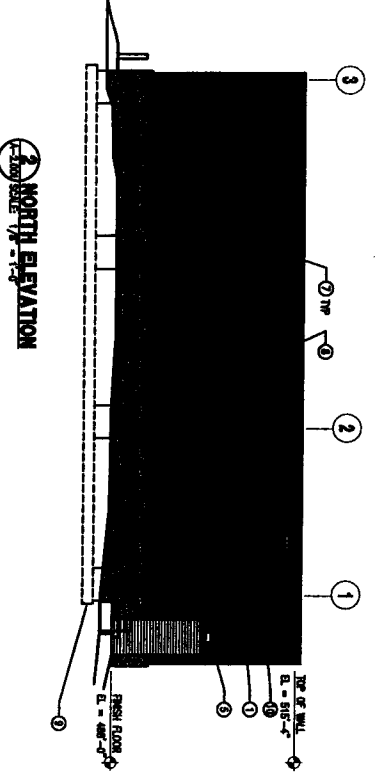
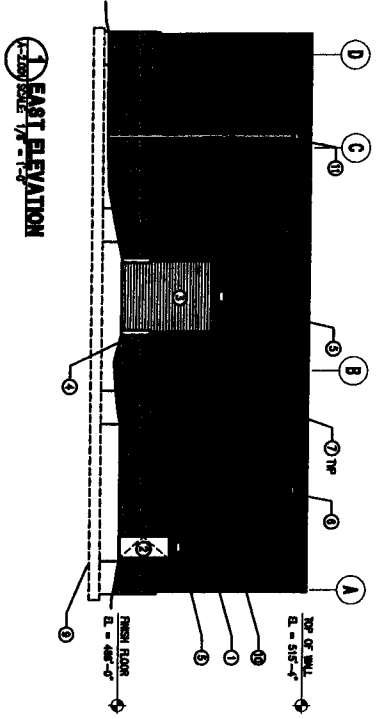
PROJECT TITLE: **CRSS**

CLIENT: **CRSS**

PROJECT: **CRSS**

DATE: **11/11/78**

SCALE: **AS SHOWN**



- NOTES BY SYMBOL**
- 1. CAST-IN-PLACE CONCRETE WALL; FINISH AS SCHEDULED AND STROPPED.
 - 2. HOLLOW METAL DOOR AND FRAME AS SCHEDULED.
 - 3. CORNER OVERHEAD DOOR AS SCHEDULED.
 - 4. PAINTED STEEL PIPE COLUMN FILLED WITH CONCRETE AS DETAIL.
 - 5. SERVICE WALL MOUNTED LIGHT FIXTURE; SEE ELECTRICAL.
 - 6. CAST-IN-PLACE THROUGH WALL FOOT SCOPES AS DETAIL.
 - 7. RECESSED ACCESS PANELS WITH CAST-IN-PLACE CONCRETE WALL.
 - 8. LINE OF FOOT FINISH (SHOWN DASHED).
 - 9. LINE OF FOUNDATION FOOTING BEYOND (SHOWN DASHED).
 - 10. ALL MATERIAL TO BE TREATED WITH WATER REPELLANT - SEE SPECIFICATIONS SECTION OTHER.
 - 11. COLLECTION BOX AND DOWNSPOUT.



Carter-Burgess
INCORPORATED
1001 GARDNER AVENUE, SUITE 200
RALEIGH, NORTH CAROLINA 27612
TEL: 754-155-0000

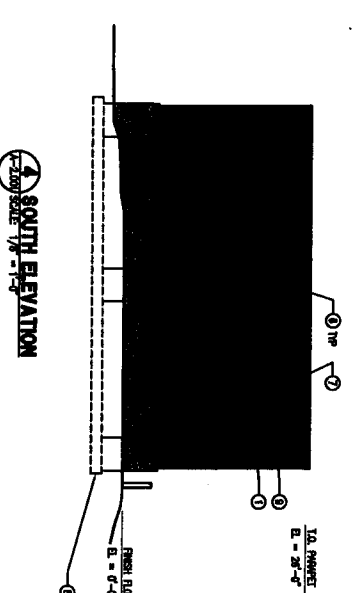
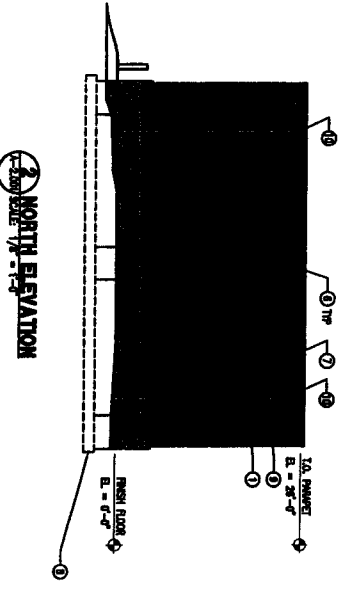
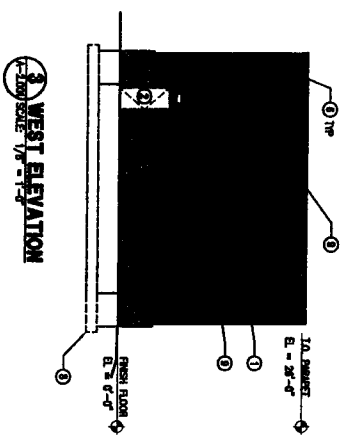
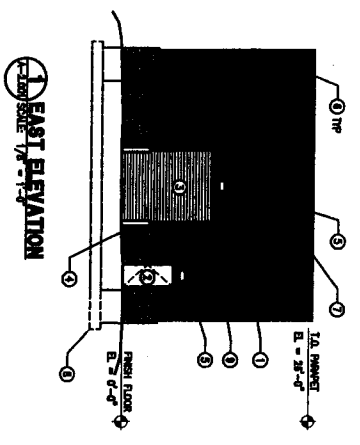
NO.	REVISION	DATE

The University of North Carolina
at Chapel Hill
CAMERON SUBSTATION UPGRADE

CONCRETE REINFORCING BARS - GREEN STAINLESS BARS
EXTERIOR ELEVATIONS
DATE: 10/20/04
SCALE: 1/8" = 1'-0"

PROJECT NUMBER:
A-2.001

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



- NOTES BY SYMBOL**
1. CAST-IN-PLACE CONCRETE WALL; FINISH AS SCHEDULED AND SPOILED.
 2. HOLLOW METAL DOOR AND FRAME AS SCHEDULED.
 3. GALVANIZED OPENED DOOR AS SCHEDULED.
 4. PAINTED STEEL PIPE RAILING FILLED WITH CONCRETE AS DETAIL.
 5. SURFACE WALL MOUNTED LIGHT FIXTURE; RE ELECTRICAL.
 6. RECESSED ACCESS INSERTE WITH CAST-IN-PLACE CONCRETE WALL.
 7. LINE OF ROOF EXTEND (SHOWN DASHED).
 8. LINE OF FOUNDATION FINISH EXTEND (SHOWN DASHED).
 9. ALL UNUSUAL TO BE TYPICAL WITH WATER PENETRANT - SEE SPECIALTIES SECTION OTHER.
 10. THROUGH WALL ROOF SUPPORT WITH COLLECTION AND DOWNSPOUT.



Carter-Burgess
 ENGINEERS / ARCHITECTS, INC.
 6011 GARDNER AVENUE, SUITE 300
 RALEIGH, NORTH CAROLINA 27612
 TEL: 919-286-9000

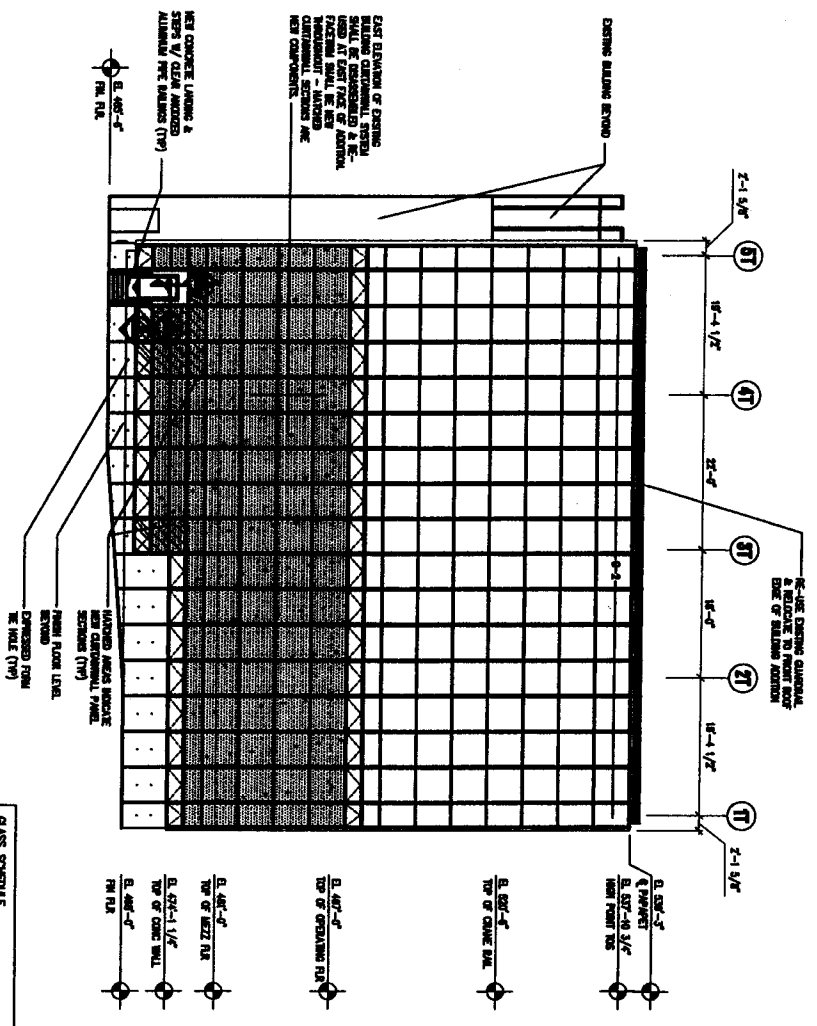
NO.	DATE	REVISION

The University of North Carolina
 at Chapel Hill
 CAMERON SUBSTATION UPGRADE

OPERATION RAILWAY CROSSING UPGRADE - CAMERON SUBSTATION UPGRADE
 EXTERIOR ELEVATIONS - GAS INSULATED SWITCHGEAR BUILDING

DATE: 08/15/02
 DRAWN BY: J. BURNESS
 CHECKED BY: J. BURNESS
 SCALE: AS SHOWN

A-2.002



GLASS SCHEDULE

SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND CONFORMANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS, EXTERIOR GLASS IS SCHEDULED AS FOLLOWS:

NO.	DESIGNATION	DESCRIPTION
G-1	TINTED VISION GLASS, 1/4 INCH THICK	
G-2	TINTED HEAT STRENGTHENED VISION GLASS, 1/4 INCH THICK	
G-3	TINTED FULLY TAPERED VISION GLASS, 1/4 INCH THICK	

THE UNIVERSITY OF NORTH CAROLINA
 CHAPEL HILL, NC 27515

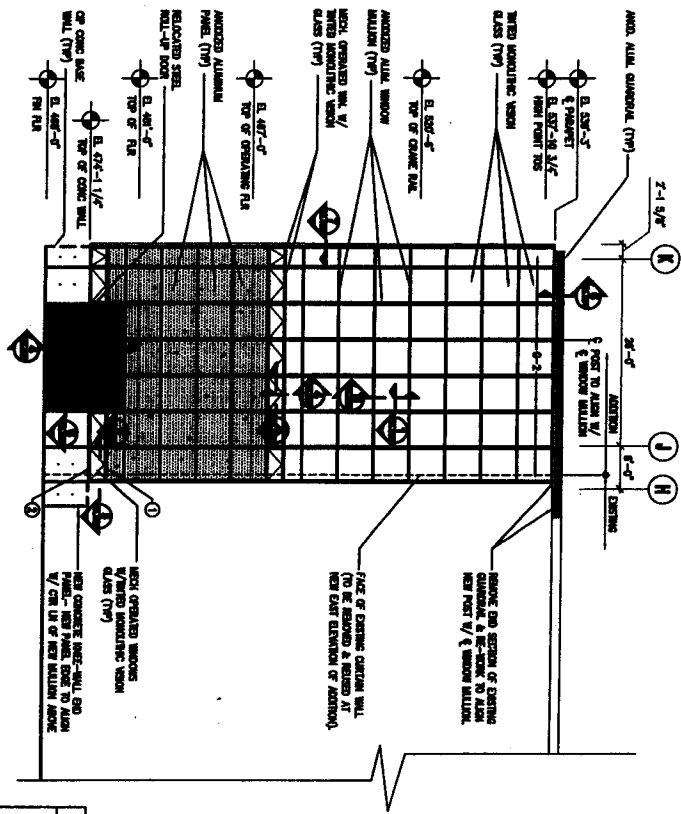
Carter-Burgess
 6119 UNIVERSITY AVENUE, SUITE 300
 RALEIGH, NORTH CAROLINA 27612

NO.	DATE	REVISIONS

The University of North Carolina
 at Chapel Hill
COGENERATION ENGINEERING

COGENERATION FRONT FRAME GENERATOR ROOMS - EAST TOWER GENERATOR EAST BUILDING ELEVATION
 DATE: 05/05/2010
 TIME: 09:00 AM
 PROJECT: COGENERATION
 DRAWING NO: 05/05/2010

PROJECT NUMBER: A-2-001



1 NORTH BUILDING ELEVATION

GLASS SCHEDULE

SUBJECT TO THE REQUIREMENTS OF THE CONTRACT AND MATERIALS AND PERFORMANCE WITH ALL APPLICABLE REGULATORY AND AGENCIES, EXISTING GLASS IS SCHEDULED AS FOLLOWS:

NO DESCRIPTION	TINTED VISION GLASS, 1/4 INCH THICK
G-2	TINTED HEAT STRENGTHENED VISION GLASS, 1/4 INCH THICK
G-3	TINTED FULLY TEMPERED VISION GLASS, 1/4 INCH THICK

THE UNIVERSITY OF NORTH CAROLINA
 ARCHITECTURAL DEPARTMENT
 101 SOUTH SOUTHWEST STREET
 CHAPEL HILL, NC 27515-7500
 TEL: 919-957-5800
 FAX: 919-957-5801

Carter-Burgess
 ARCHITECTS
 100 SOUTH PINE STREET
 RALEIGH, NORTH CAROLINA 27601
 TEL: 919-833-4600
 FAX: 919-833-4601

NO.	DATE	REVISIONS

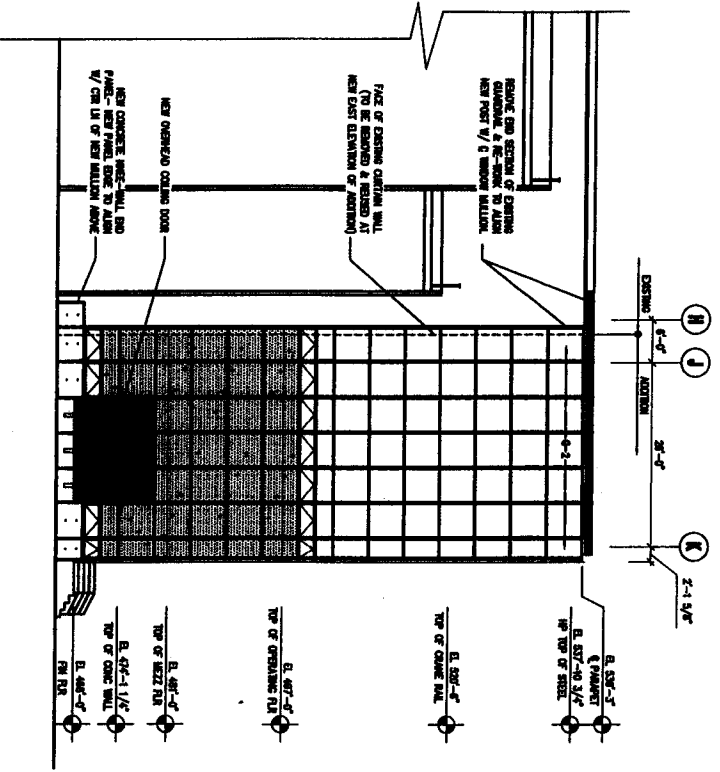
The University of North Carolina
 at Chapel Hill
COGENERATION ENGINEERING



COGENERATION PROJECT ENGINEERING - NEW TOWER COGENERATION
 NORTH BUILDING ELEVATION
 DATE: 08/20/01
 FILE NUMBER: COG01001
 DRAWING NO: 01-201
 SHEET NO: 01 OF 02

PROJECT NUMBER
 A-2002





1 SOUTH BUILDING ELEVATION

GLASS SCHEDULE

SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS, EXTERIOR GLASS IS SCHEDULED AS FOLLOWS:

NO DESCRIPTION	TINTED VISION GLASS, 1/4 INCH THICK
G-2	TINTED HEAT STRENGTHENED VISION GLASS, 1/4 INCH THICK
G-3	TINTED FULLY TEMPERED VISION GLASS, 1/4 INCH THICK

DATE: 08/20/2009
 DRAWN BY: [redacted]
 CHECKED BY: [redacted]
 PROJECT NO.: 03-00000000000000

Carter-Burgess
 633 ASHTON DRIVE, SUITE 100
 RALEIGH, NORTH CAROLINA 27602
 TEL: 919-286-0500
 FAX: 919-286-0505
 WWW.CARTERBURGESS.COM

NO.	REV.	DATE	DESCRIPTION

**The University of North Carolina
 at Chapel Hill
 COGENERATION ENGINEERING**



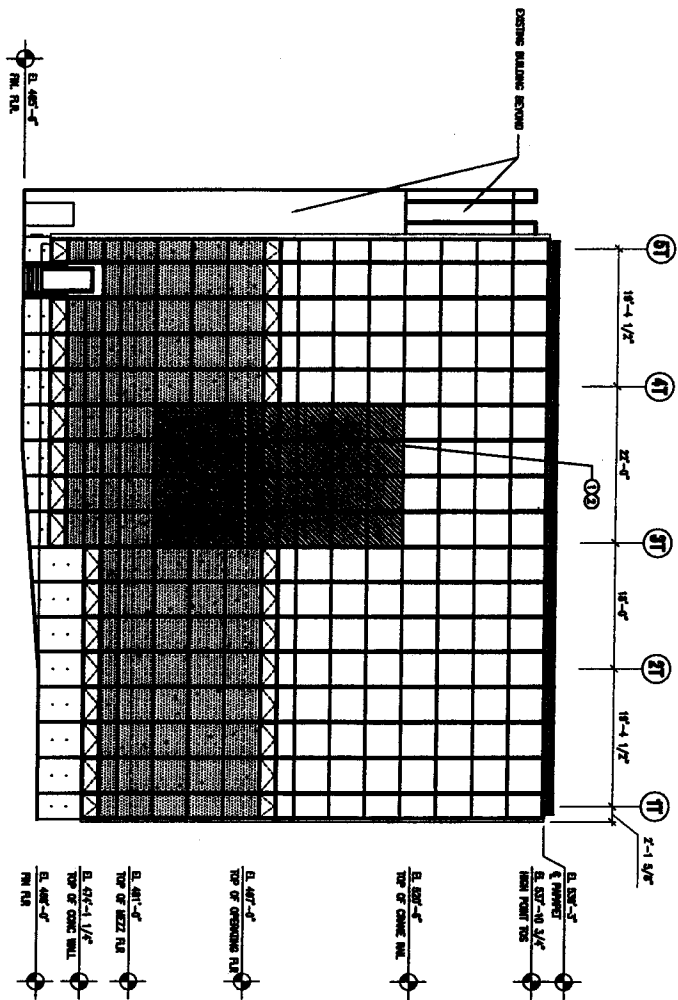
COGENERATION FUELS TRADING GENERATION TRADING - NEW TRADING COGENERATION
SOUTH BUILDING ELEVATION
 DATE: 08/20/2009
 TIME: 08:00
 PROJECT NO.: 03-00000000000000
 DRAWN BY: [redacted]
 CHECKED BY: [redacted]

DATE PLOTTED: 08/20/2009
 TIME PLOTTED: 08:00
A-2009
 SHEET NO. 1 OF 1
 PROJECT NO. 03-00000000000000



NOTES BY SYMBOL 0 0

1. CONCRETE AND MASONRY SHALL BE CAST IN PLACE AND SHALL BE CURED PROPERLY. ALL REINFORCING BARS SHALL BE PROTECTED WITH 1" MINIMUM CLEARANCE FROM FORMS. ALL REINFORCING BARS SHALL BE SPACED UNIFORM INTENSIFICATION OF THE TENSILE STRENGTH AND PROTECTIVE COATINGS SHALL BE APPLIED TO ALL REINFORCING BARS.
2. METAL THERMAL BREAKING - INSULATION PROVIDED IN CONCRETE SHALL BE INSTALLED AS SHOWN AND SHALL BE PROTECTED BY AN APPROPRIATE FINISH.



EAST BUILDING ELEVATION



Carter-Burgess
 1111 CALDWELL AVENUE, SUITE 300
 RALEIGH, NORTH CAROLINA 27613
 PH 919-782-8888

NO.	DATE	DESCRIPTION

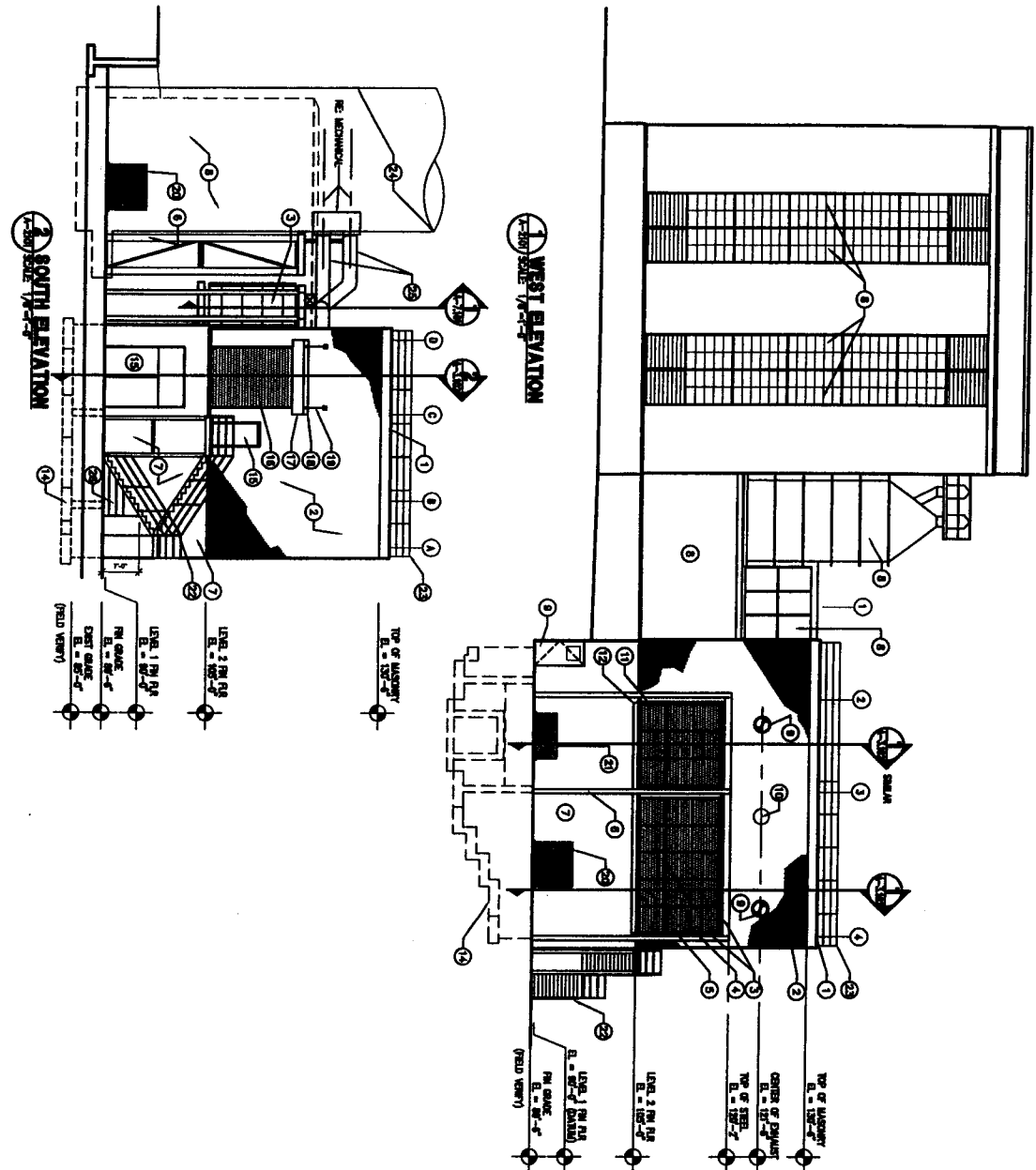
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 at Chapel Hill
COGENERATION ENGINEERING



CONCRETE AND MASONRY SHALL BE CAST IN PLACE AND SHALL BE CURED PROPERLY. ALL REINFORCING BARS SHALL BE PROTECTED WITH 1" MINIMUM CLEARANCE FROM FORMS. ALL REINFORCING BARS SHALL BE SPACED UNIFORM INTENSIFICATION OF THE TENSILE STRENGTH AND PROTECTIVE COATINGS SHALL BE APPLIED TO ALL REINFORCING BARS.

A-22001





GENERAL NOTES

- SEE ELEVATIONS FOR ARCHITECTURAL MATERIALS.
- EXPLODED ELEVATIONS ARE TO BE SET INTO CONCRETE, FINISHED AND PAINTED WITH HIGH PERFORMANCE COATING.
- EXPLODED ELEVATIONS SHALL BE INSTALLED WITH SPACERS TO BE PRE-FABRICATED TO MATCH COLOR OF EXISTING WALL PANELS FOR EXISTING STRUCTURE.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK UNDER THIS CONTRACT.
- EXISTING SCHEDS ARE TO REMAIN UNLESS OTHERWISE NOTED.

NOTES BY SYMBOL

- EXISTING CLAY TILE FLUENT CAP TO REMAIN.
- EXISTING FACE BRICK.
- 3" SOLID BATTLE ENCLAVE STRUCTURAL INSULATION TO REMAIN.
- 4" RUBBER MEMBRANE ROOFING SHEET OVER INSULATION AT TOP.
- 4" AIR-TIGHT LAMBERS REFER TO ARCHITECTURAL.
- GLAZED STEEL COLUMN (TYPICAL) REFER TO ARCHITECTURAL.
- EXISTING CONCRETE STEEL WALL.
- EXISTING MASONRY TO REMAIN.
- GENERATOR CHIMNEY FLUE PENETRATION AS DETAIL ON 1/4"-3/16".
- FINISH CHIMNEY RISE CAP AS DETAIL ON 1/4"-3/16".
- EXISTING FLUENT AT EXISTING BUILDING, 2" CONCRETE PROTECTION OVER TOP.
- GLAZED STEEL WALL REFER TO ARCHITECTURAL.
- EXISTING DOOR TO REMAIN.
- EXISTING FOUNDATION TO REMAIN.
- DOOR AND FRAME AS SPECIFIED.
- OVER HEAD CABLE DOWN AS SPECIFIED.
- OVER HEAD DOOR COIL WINDING.
- FINISHED STEEL CHIMNEY.
- CANOPY SUSPENSION ROD.
- PAID MAINTAINED DIMENSIONAL REFER TO ELECTRICAL.
- PAID STORAGE TANK.
- 22 STEPS AS DETAIL ON SHEET A-2-104.
- FINISH GLASSING, SET AT TOP OF EXISTING PARTIAL WALL. CONCRETE SHALL BE 1 1/2" THICK AND SHALL BE FINISHED WITH ALUMINA FIVE TERN HONOLULU FINISH AT TOP OF AND NEXT AT TOP OF AND NEXT AT TOP OF ABOVE REAR LEVEL; TRUSS (S) SHALL BE EXISTING ROOF.
- LINE OF EXISTING MASONRY FLUE STACK.
- GENERATOR CHIMNEY FLUES, RE REWORKING.
- 1 1/2" SCHEDULE 40 STEEL PIPE 4" HIGH GALVANIZED WITH PAINT AT 12" OC.

Scale: 1/4" = 1'-0"



Carter-Burgess
 315 S. BRIDGES AVENUE / SUITE 200
 FAYETTEVILLE, NORTH CAROLINA 28401
 PHONE: 704-785-1500

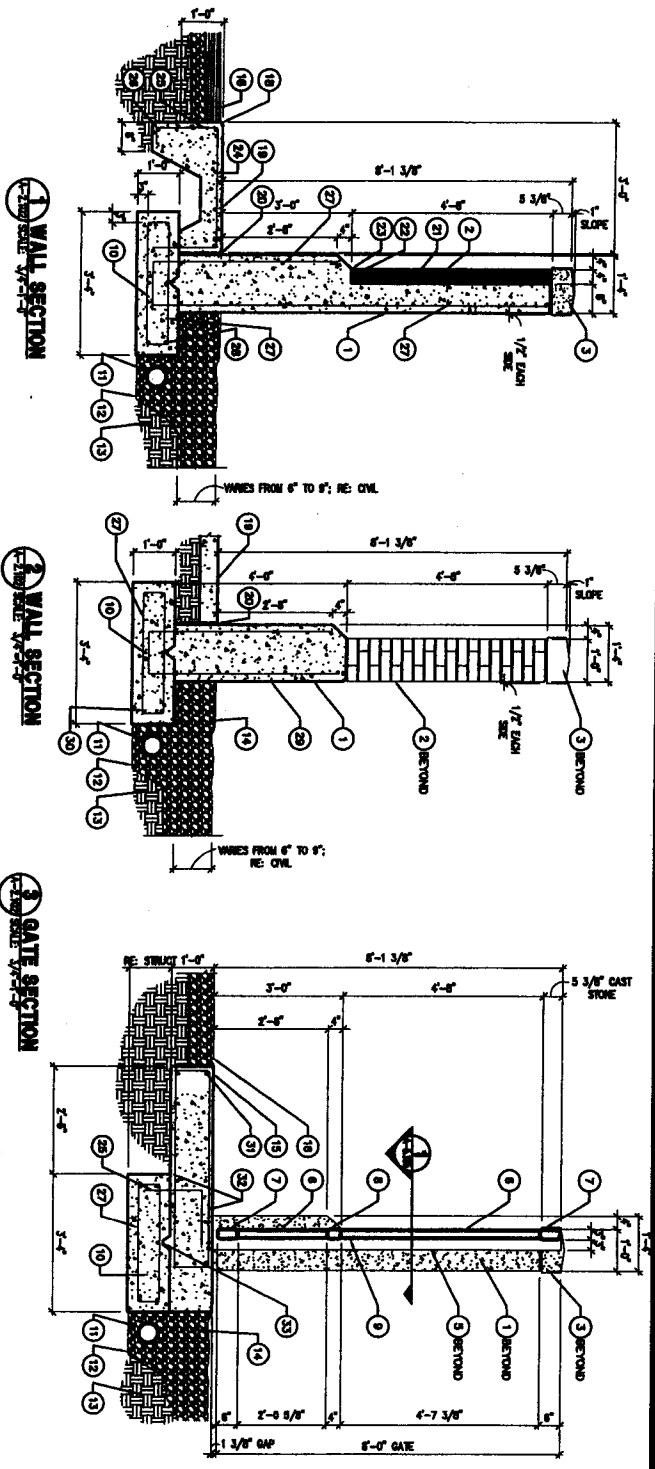
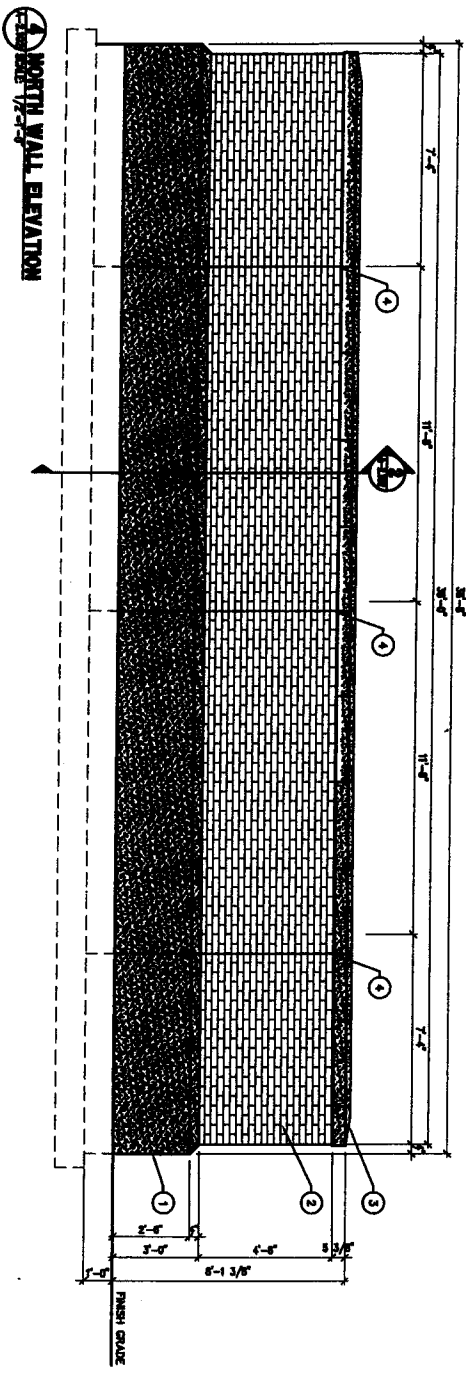
NO.	DATE	DESCRIPTION

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COGENERATION ENGINEERING



COGENERATION HEAT TUBE GENERATOR ROOMS - BLOCK START GENERATORS
 EXTERIOR ELEVATIONS

A-2-101



- GENERAL NOTES**
- 1. STEEL REINFORCING TO BE USED UNLESS OTHERWISE SPECIFIED.
 - 2. EXPOSED CONCRETE SURFACE SHALL BE FINISHED TO MATCH EXISTING COLOR AND TEXTURE.
 - 3. MATCH TO EXISTING CONCRETE COLOR AND TEXTURE.
 - 4. REFER TO CIVIL, STRUCTURAL, AND ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
 - 5. CONCRETE FOR FOOTINGS, WALLS AND SLABS TO BE 4000 PSI NORMAL WEIGHT AT 28 DAYS UNLESS OTHERWISE SPECIFIED TO BE 1.000.

- NOTES BY SYMBOL**
- 1. FINISH TO MATCH EXISTING CONCRETE WALL AND FINISH TO MATCH EXISTING.
 - 2. MODULAR FACE BRICK TO MATCH EXISTING.
 - 3. CAST STONE CUR SET OVER DAMPINGING MEMBRANE; ANCHOR WITH TWO STEELBARS PER JOINT.
 - 4. 1/2" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 5. 1/2" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 6. 3/8" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 7. 1/2" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 8. 3/8" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 9. 3/8" WIRE MESH REINFORCING JOINTS REFER TO 6.1/4"-1.000.
 - 10. CONCRETE FORMING.
 - 11. 6" NUMBER REINFORCING JOINTS WITH FIBER FIBER FROM SLABS REFER TO CIVIL.
 - 12. UNREINFORCING MEMBRANE.
 - 13. REINFORCING MEMBRANE REFER TO SPECIFICATION.
 - 14. FINISHED STONE BASE.
 - 15. CONCRETE FORMING REFER TO 100 LAYERS OF #4 AT 12" OC.
 - 16. EXISTING FINISH PATCH TO MATCH EXISTING.
 - 17. TWO #4 COMBRIALS AT END.
 - 18. NUMBER END 1/2".
 - 19. 5" THICK CONCRETE JAMB; REINFORCE WITH #4 AT 12" OC.
 - 20. 1/2" THICK REINFORCING JOINT FILLER; HOLD 1/2" DOWN FROM TOP SURFACE; FILL WITH SEMI-RIGID.
 - 21. DOWN-TIL SLOTTED MASONRY JOINTS AT 9" OC.
 - 22. WIPER HILLS AT 9" OC.
 - 23. CONTINUOUS DAMPINGING MEMBRANE SHEET ON BRICK SL.
 - 24. #4 AT 12" OC, TOP.
 - 25. #4 AT 12" OC, DOWN.
 - 26. 1 #4 COMBRIAL.
 - 27. #4 W/ 12" OC.
 - 28. 3 #4 COMBRIALS, TOP.
 - 29. #4 AT 12" OC EACH FACE EACH WAY.
 - 30. 3 #4 COMBRIALS, BOTTOM.
 - 31. 3 #4 COMBRIALS.
 - 32. #4 AT 12" OC, TOP AND BOTTOM.
 - 33. 2" x 4" COMBRIALS SHOWN IN EX.

Carter-Burgess

CONSULTING ENGINEERS, ARCHITECTS AND INTERIORS

1000 WEST 10TH STREET, SUITE 200
FAYETTEVILLE, NORTH CAROLINA 28404

The University of North Carolina

at Chapel Hill

COGENERATION ENGINEERING

COGENERATION PLANT NAME GENERATOR BRIGS - BLACK STONE GENERATORS
TRANSFORMER YARD
ELEVATIONS AND SECTIONS

SCALE: 1/2" = 1'-0"

SCALE: 3/4" = 1'-0"

DATE: 11/10/01

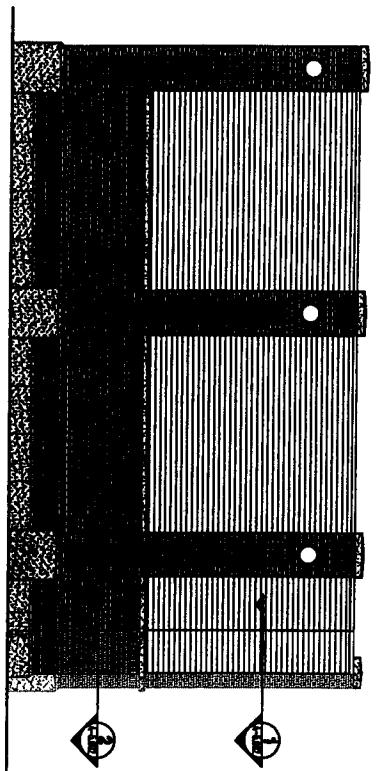
BY: [Signature]

CHECKED: [Signature]

PROJECT: COGENERATION PLANT

NO. 1000

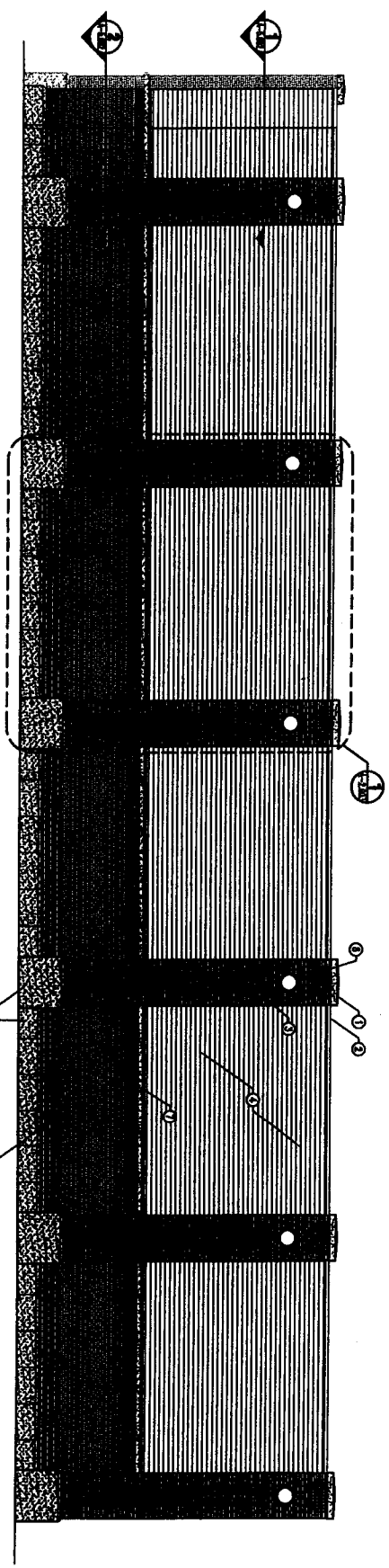
REV. 1000



1 WEST OUTER ELEVATION
1/8" SCALE 7/8" = 1'-0"

2 EAST OUTER ELEVATION
1/8" SCALE 7/8" = 1'-0"

- NOTES BY SYMBOL** ○
- 1. CAST STONE FLASHER CAP.
 - 2. PRE-FINISHED METAL CAP TRAIL.
 - 3. BRICK FLASHER.
 - 4. PREFINISHED METAL WALL PANEL.
 - 5. PAINTED CONCRETE BASE.
 - 6. BRICK WALL.
 - 7. CAST STONE WALL CAP.
 - 8. CAST STONE ROSETTE.




3 SOUTH OUTER ELEVATION
1/8" SCALE 7/8" = 1'-0"



Carter-Burgess
 5555 Alexander / Charlotte, NC
 8011 SHILOH AVENUE, SUITE 200
 RALEIGH, NORTH CAROLINA, 27612
 TEL: 774-765-6888

NO.	DATE	REVISION

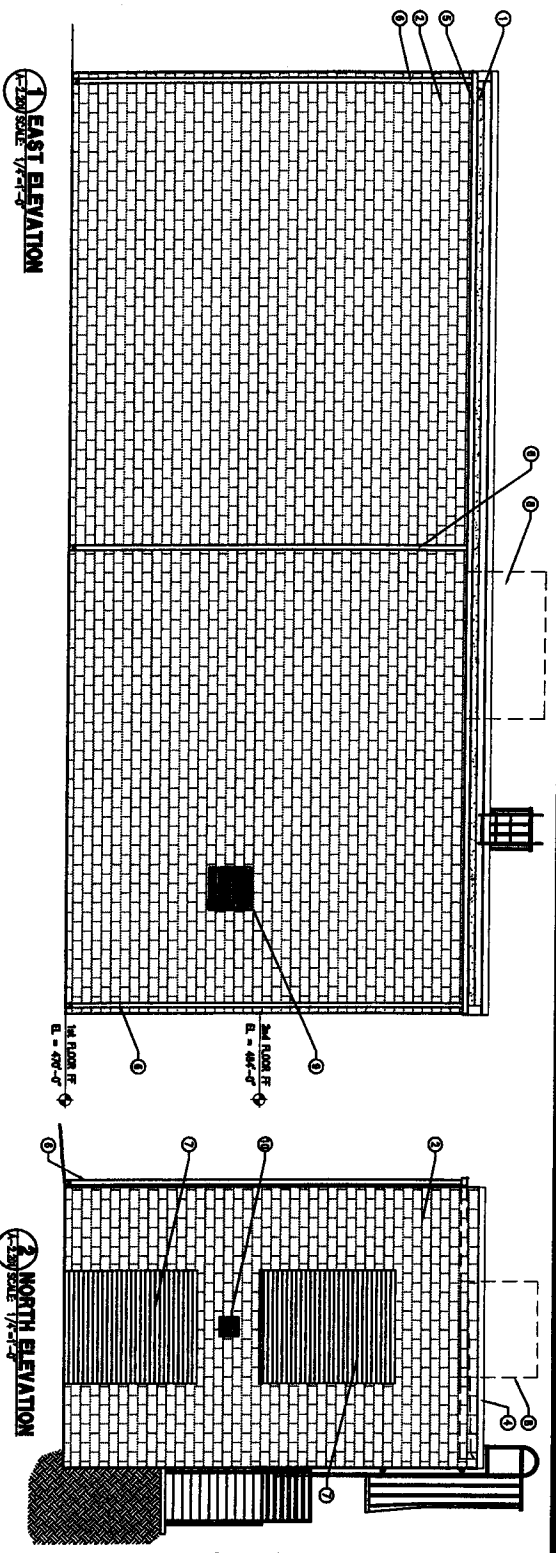
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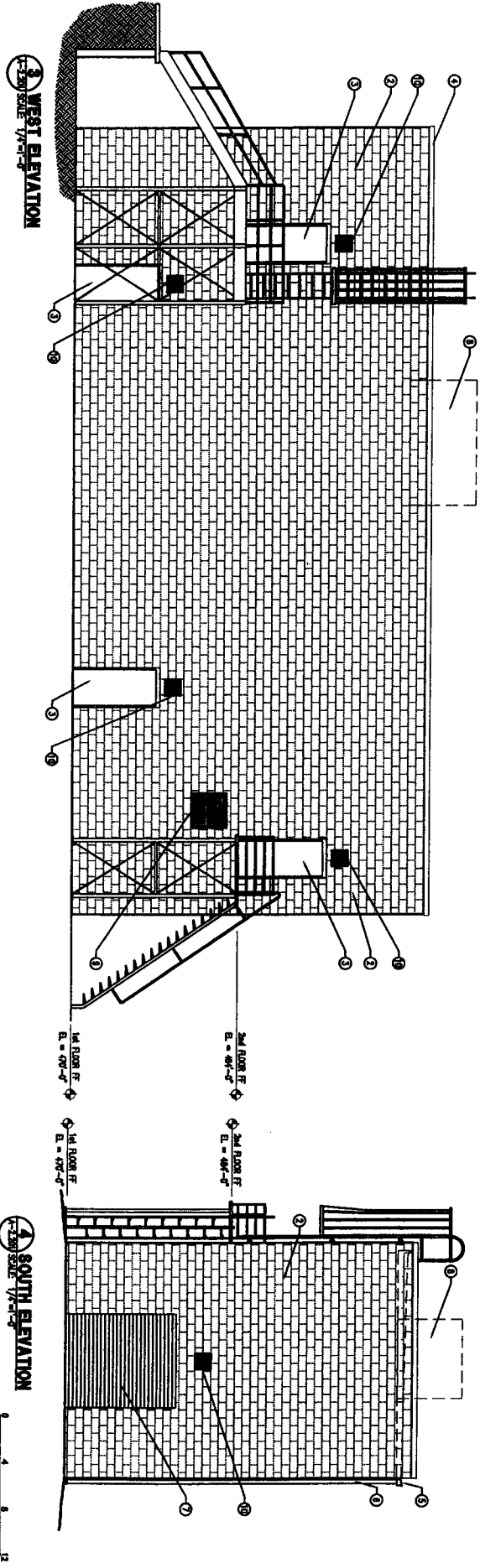
COGENERATION PLANT TUNING GENERATOR ISSUES - HOT COOLING TOWER
 ACOUSTICAL SCREEN WALL ELEVATIONS
 PHASE I CONSTRUCTION

DATE: 08/21/00
 DRAWN BY: PLS
 CHECKED BY: PLS

PROJECT NUMBER: A-2.001



- NOTES BY SYMBOL**
1. 4x4 V-MOUNTED BRUSHING BLOCK-UP ROOF.
 2. FINISHED GULL EXTERIOR.
 3. 3'-4" x 7'-0" HOLLOW METAL DOOR AND FRAME.
 4. PRE-FINISHED METAL CORNER CAP.
 5. PRE-FINISHED METAL SILLER.
 6. PRE-FINISHED 5" METAL EXTERIOR.
 7. 6'-0" x 5'-4" HOLLOW CORNER DOOR.
 8. METAL UNIT (REFER TO KEY DRESS).
 9. 3'-0" x 3'-0" LAMIN. WINDOW (12'-0" AFF. REFER TO KEY DRESS).
 10. SURFACE WILL WANTED LEAF FINISH (REFER TO GULL DRAW).
- EXTERIOR FINISH SCHEDULE**
1. EXTERIOR WALLS - 2 COATS ALUMINUM PAINT ON ONE COAT BLOCK FILL.
 2. GULLY STEEL STRIPS AND RAINWAYS.



PREPARED BY THE ARCHITECT

Carter-Burgess
 ARCHITECTS, INC.
 3011 SHILOH AVENUE, SUITE 200
 FAYETTEVILLE, NORTH CAROLINA 28403
 TEL: 910-782-4500

NO.	DATE	REVISION

The University of North Carolina
 at Chapel Hill
COGENERATION ENGINEERING

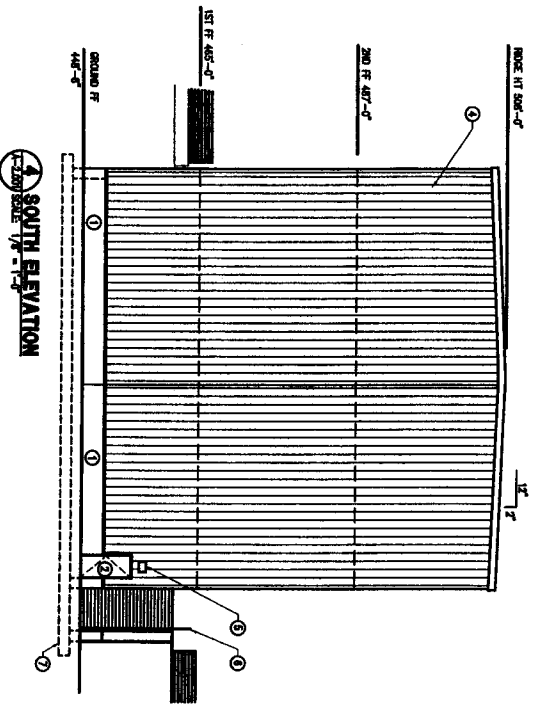
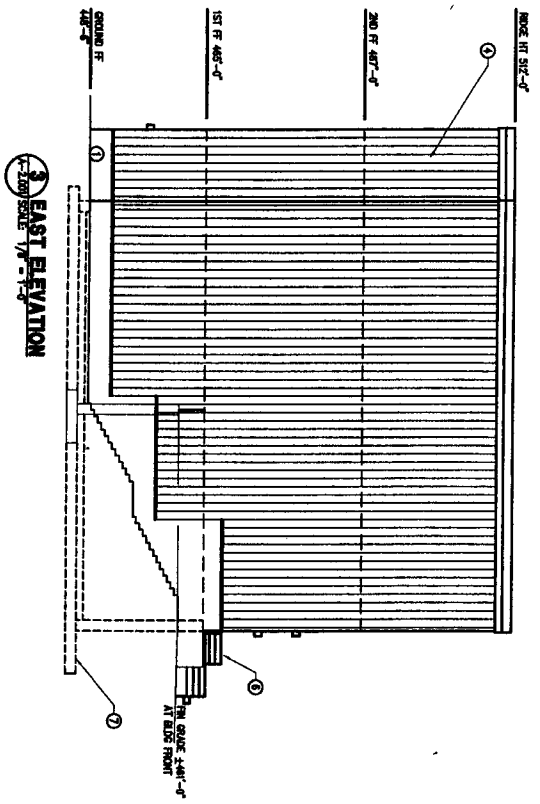
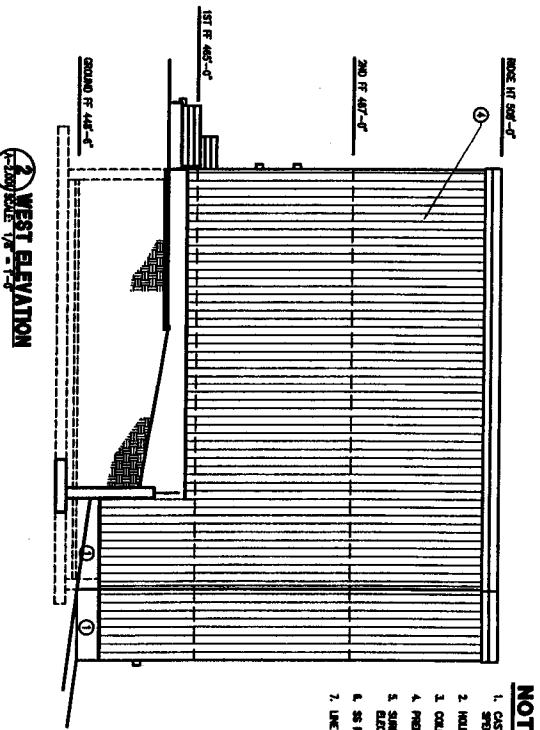
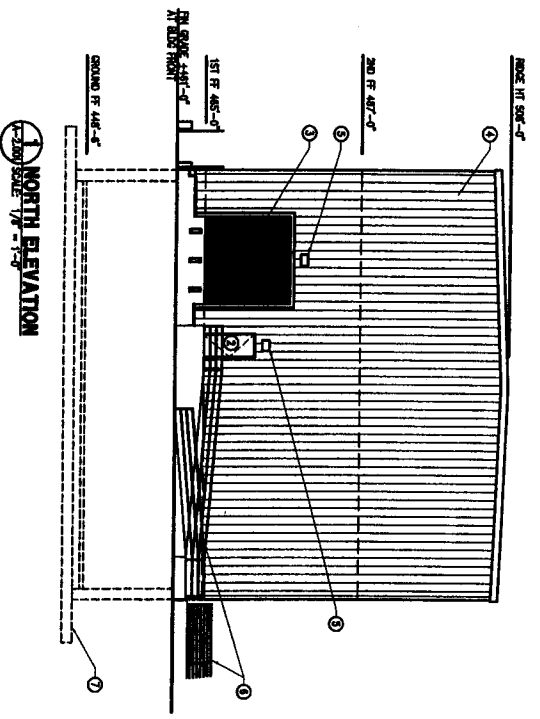
COGENERATION FACILITY THERMAL GENERATOR UPGRADES - HEAT EXCHANGER TOWER WATER TREATMENT/ELECTROCHEMICAL BUILDING EXTERIOR ELEVATIONS

DESIGN TEAM
 ARCHITECT: CARTER-BURGESS ARCHITECTS, INC.
 ENGINEER: COGENERATION ENGINEERING, INC.
 CONTRACT ADMINISTRATION: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

PROJECT NUMBER: **A-2301**

DATE: 11/17/93

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



- NOTES BY SYMBOL**
- 1. CAST-IN-PLACE CONCRETE WALL, FINISH AS SCHEDULED AND PROTECTED.
 - 2. HOLLOW METAL DOOR AND FRAME AS SCHEDULED.
 - 3. COLOR OVERHEAD DOOR AS SCHEDULED.
 - 4. FINISHED METAL SIGN.
 - 5. SURFACE WILL MOUNT LIGHT FIXTURE, REFER TO ELECTRICAL.
 - 6. SS BALCONY.
 - 7. LINE OF FINISHWORK PROFILE EXTEND (SHOWN DASHED).



Carter-Burgess
 ARCHITECTS / ENGINEERS, P.A.
 5001 GARDWOOD AVENUE, SUITE 300
 RALEIGH, NORTH CAROLINA 27612
 TEL: 919-790-5000

NO.	DATE	REVISION

The University of North Carolina
 at Chapel Hill
 COOPERATION ENGINEERING

COOPERATION FACULTY SIGNATURE BUILDING - ARCHITECTS
 EXTERIOR ELEVATIONS
 DATE FOR THE SET
 1/18/2001

A-2001

