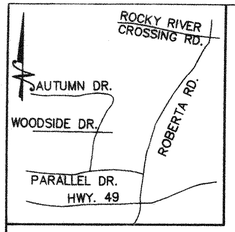

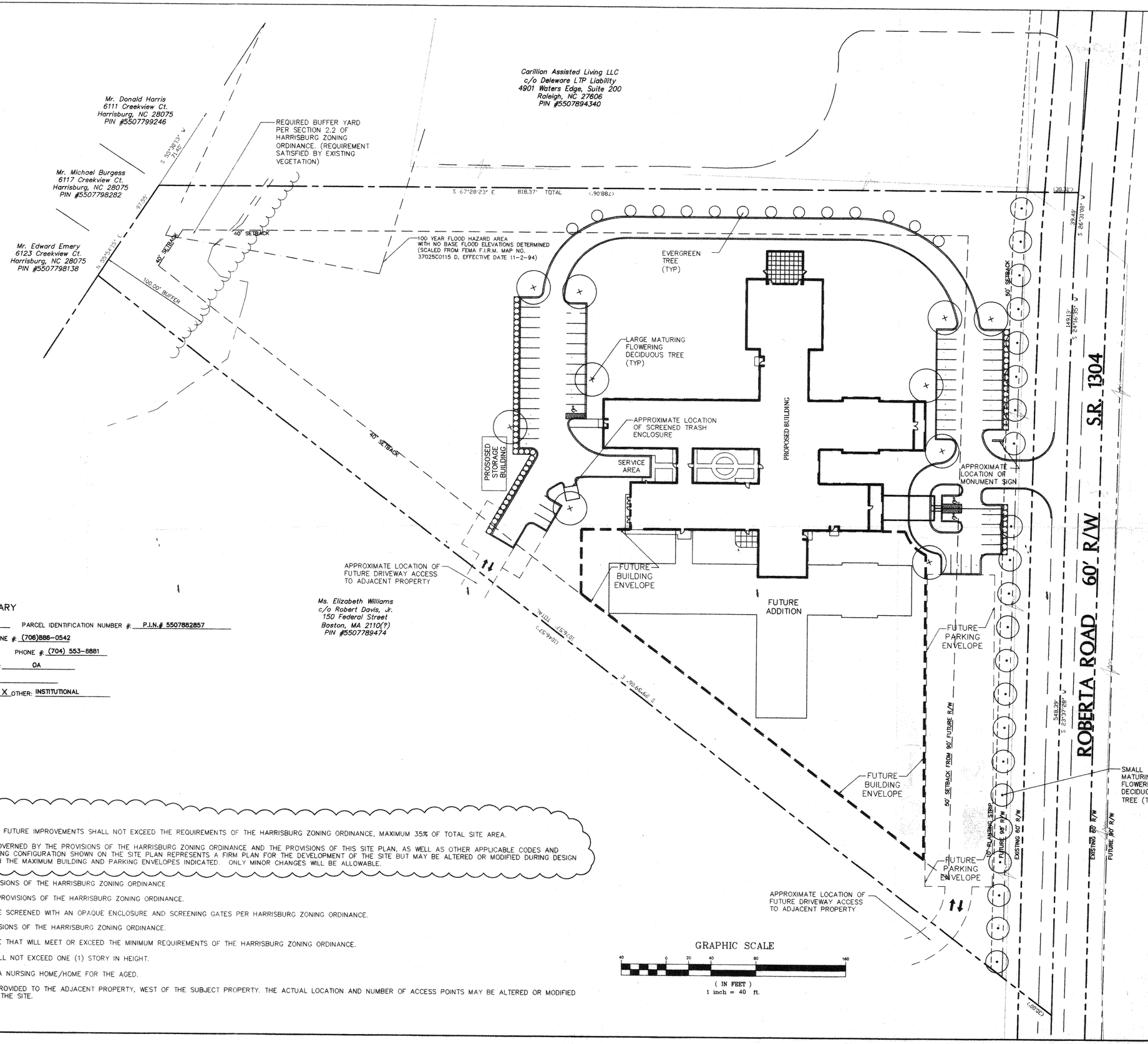

ZONING CODE SUMMARY

PROJECT NAME: CABARRUS HEALTH AND REHAB PARCEL IDENTIFICATION NUMBER #: P.I.N.# 5507882857

OWNER: PRUITT CORPORATION PHONE #: (706)886-0542

PLANS PREPARED BY: BURTON ENGINEERING ASSOC. PHONE #: (704) 553-8881

ZONING: RU PROPOSED ZONING: OA

PROPOSED USE: NURSING HOME

PROJECT TYPE: ___COMMERCIAL ___INDUSTRIAL X OTHER: INSTITUTIONAL

NOTES:

1. IMPERVIOUS AREA FOR PROPOSED AND FUTURE IMPROVEMENTS SHALL NOT EXCEED THE REQUIREMENTS OF THE HARRISBURG ZONING ORDINANCE, MAXIMUM 35% OF TOTAL SITE AREA.
2. DEVELOPMENT OF THE SITE WILL BE GOVERNED BY THE PROVISIONS OF THE HARRISBURG ZONING ORDINANCE AND THE PROVISIONS OF THIS SITE PLAN, AS WELL AS OTHER APPLICABLE CODES AND ORDINANCES. THE BUILDING AND PARKING CONFIGURATION SHOWN ON THE SITE PLAN REPRESENTS A FIRM PLAN FOR THE DEVELOPMENT OF THE SITE BUT MAY BE ALTERED OR MODIFIED DURING DESIGN AND DEVELOPMENT OF THE SITE WITHIN THE MAXIMUM BUILDING AND PARKING ENVELOPES INDICATED. ONLY MINOR CHANGES WILL BE ALLOWABLE.
3. BUFFERS WILL CONFORM TO THE PROVISIONS OF THE HARRISBURG ZONING ORDINANCE.
4. LANDSCAPING WILL CONFORM TO THE PROVISIONS OF THE HARRISBURG ZONING ORDINANCE.
5. ALL TRASH COLLECTION AREAS WILL BE SCREENED WITH AN OPAQUE ENCLOSURE AND SCREENING GATES PER HARRISBURG ZONING ORDINANCE.
6. SIGNAGE WILL CONFORM TO THE PROVISIONS OF THE HARRISBURG ZONING ORDINANCE.
7. PARKING WILL BE PROVIDED AT A RATE THAT WILL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE HARRISBURG ZONING ORDINANCE.
8. BUILDINGS PROPOSED FOR THE SITE WILL NOT EXCEED ONE (1) STORY IN HEIGHT.
9. THE PROPOSED USE FOR THE SITE IS A NURSING HOME/HOME FOR THE AGED.
10. FUTURE ACCESS DRIVEWAYS WILL BE PROVIDED TO THE ADJACENT PROPERTY, WEST OF THE SUBJECT PROPERTY. THE ACTUAL LOCATION AND NUMBER OF ACCESS POINTS MAY BE ALTERED OR MODIFIED DURING DESIGN AND DEVELOPMENT OF THE SITE.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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BURTON ENGINEERING ASSOCIATES
CIVIL ENGINEERS
LAND PLANNERS
5970 Fairview Road - Suite 100 - Charlotte, NC 28210
(704) 553-8881 - Fax (704) 553-8860

CABARRUS HEALTH AND REHAB

SITE PLAN

As approved for rezoning for 3rd submission

Project

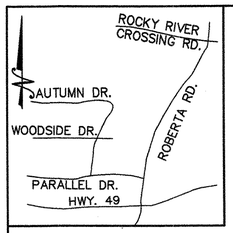
Sheet Title

CTB
Engineer
RD
Drawn By
04/14/00
Date

Revisions
1 6/5/00 PER ZONING REVIEW COMMENTS

Project Number
273-001

Sheet of
C1



ZONING CODE SUMMARY

PROJECT NAME: CABARRUS COUNTY NURSING FACILITY PARCEL INDENTIFICATION NUMBER: 5507-85-2857

OWNER: PRUITT CORPORATION PHONE #: (706)886-0542

PLANS PREPARED BY: BURTON ENGINEERING ASSOC. PHONE #: (704) 553-8881

ZONING: R 15 PROPOSED ZONING: N/A

PROPOSED USE: HEALTH CARE FACILITY

PROJECT TYPE: X COMMERCIAL ___INDUSTRIAL X OTHER: INSTITUTIONAL

BUILDING HEIGHT: 18 FEET, STORIES: 1

BUILDING COVERAGE: 33,000 SQ. FT. GROSS FLOOR AREA: 31,239 SQ. FT.

LOT SIZE: 8.098 ACRES NUMBER OF UNITS/SUITES: 70 BEDS

YARD REQUIREMENTS

SETBACK (FRONT): 50 FT. FROM R/W, _____ FT. FROM C/L OF R/W
SIDE YARD (L): 40 FT. SIDE YARD (R): 40 FT.
REAR YARD: 40 FT.

REQUIRED BUFFERS:

FRONT: NO/YES _____ FT. REAR: NO/YES _____ FT.
SIDE(L): NO/YES _____ FT. SIDE (R): NO/YES _____ FT.

REQUIRED SCREENING:

FRONT: NO / (YES) REAR: NO / YES
SIDE (L): NO / YES SIDE (R): NO / YES

PARKING ONLY: NO / YES

PERCENT IMPERVIOUS 70,131 SQ. FT. (SEE CALCULATIONS BELOW)
PAVEMENT COVERAGE: 35,390 SQ. FT.

INTERIOR LANDSCAPING: REQUIRED SEE LANDSCAPE PLAN SQ. FT.

PARKING DATA: (FOR CALCULATIONS, SEE CHART TO BELOW)
NUMBER OF EMPLOYEES: 42
NUMBER OF UNITS= NUMBER OF PARKING SPACES

REQUIRED: 61 PROVIDED: 61 HANDICAP: 3 COMPACT: _____
CARPOOL: _____ LOADING SPACES: 1

ALL SIGNAGE WILL BE APPROVED AND PERMITTED SEPARATELY.

THIS PROPERTY IS LOCATED IN A 100 YEAR FLOOD BOUNDARY TO THE EXTENT SHOWN ON SHEET ENTITLED "EXISTING CONDITIONS." FLOOD INSURACE RATE MAP No. 3702SC0115 D, EFFECTIVE DATE 11/2/94.

REQUIRED PARKING
1 SPACE PER EMPLOYEE OF GREATEST SHIFT ~ 42 SPACES
1 SPACE PER 4 PATIENT BEDS ~ 70/4=18 SPACES
1 SPACE PER VISTING DOCTOR ~ 1 SPACE
1 SPACE PER EACH VEHICLE PERMANENTLY ON-SITE ~ 0 SPACES
61 TOTAL SPACES

IMPERVIOUS AREA CALCULATIONS
TOTAL SITE AREA ~ 352,682 SQ. FT.
TOTAL IMPERVIOUS AREA ~ 74,095 SQ. FT.
35% IMPERVIOUS AREA ALLOWED ~ 123,432 SQ. FT.

GENERAL NOTES

ALTA SURVEY DATA PROVIDED BY:
CABARRUS SURVEYING
3 UNION STREET NORTH
CONCORD, N.C. 28025
PH: (704) 785-9655

B. OWNER/DEVELOPER:
PRUITT CORPORATION
P.O. BOX 1210
TOCCOA, GA. 30577
(706)886-8463

ARCHITECT:
DAVID R. POLSTON - ARCHITECT
3806 PARK AVENUE, SUITE 2-L
WILMINGTON, N.C. 28403

C. PAVING SPECIFICATIONS:

NORMAL DUTY	HEAVY DUTY
2" TYPE I-2 SURFACE COURSE OVER	2" TYPE I-2 SURFACE COURSE OVER
6" CABC OVER	2" TYPE H BINDER OVER
95% COMPACTED SUBGRADE (ASTM D-698), FINAL 24" - 100% (ASTM D-698)	8" CABC OVER 95% COMPACTED SUBGRADE (ASTM D-698), FINAL 24" - 100% (ASTM D-698)

D. ALL CONCRETE SIDEWALKS SHALL BE FULL 4" THICK 4000 PSI CONCRETE WITH 1" DEEP GROOVE CONTROL JOINTS AT INTERVALS INDICATED ON SITE PLAN. PROVIDE EXPANSION JOINTS ADJACENT TO ALL RIGID STRUCTURES. EXPANSION JOINT SPACING SHALL NOT EXCEED 30'.

E. ALL DIMENSIONS ARE TO FACE OF CURB OR TO FINISHED FACE OF BUILDING, UNLESS OTHERWISE NOTED.

F. ALL DRIVEWAYS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF CONCORD.

G. ACCESSIBLE PARKING:

a. AN ACCESSIBLE PARKING SPACE SHALL HAVE NO GREATER SLOPE THAN 1/4" PER FOOT ACROSS THE SPACE.

b. HANDRAILS ARE TO BE PROVIDED ON ACCESSIBLE RAMPS WITH A DROP OF TWO INCHES OR MORE.

c. MAXIMUM SLOPE FOR AN ACCESSIBLE ROUTE (SIDEWALK) SHALL BE 5.0% (1:20).

d. ALL ACCESSIBLE PARKING SPACES SHALL DISPLAY APPROVED RESERVED PARKING SPACE SIGNS AS PRESCRIBED BY THE N.C.D.O.T. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND APPROVED FOR USE UNDER N.C. GENERAL STATUTE. R7-8, R7-80 "PENALTY SIGN AND WHERE APPLICABLE, "VAN ACCESSIBLE" SIGN.

H. CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO COMMENCEMENT OF WORK.

I. ALL DISTANCES AND DATA SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION, IN CASE OF CONFLICT, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT CLARIFICATIONS MAY BE MADE PRIOR TO THE START OF CONSTRUCTION.

J. THE PROPOSED GRADES AS SHOWN ARE THE FINISH GRADES UNLESS OTHERWISE NOTED.

K. THE CONTRACTOR SHALL SUPPLY AND ESTABLISH SURVEY CONTROL, INCLUDING THE HORIZONTAL AND VERTICAL CONTROL POINTS. THE CONTRACTOR SHALL MAINTAIN THIS CONTROL AND PROVIDE ALL BENCHMARKS, STAKES, GRADES, LEVELS, AND LINES NECESSARY FOR CONSTRUCTION.

L. CONTRACTOR SHALL OBTAIN PERMISSION FROM CABARRUS COUNTY AND/OR N.C.D.O.T. FOR ALL WORK IN AND ADJACENT TO THE PUBLIC RIGHT-OF-WAY.

M. ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.

N. BURNING ON, OR NEAR THE JOB SITE WILL NOT BE PERMITTED.

O. CONSTRUCTION OF WATERLINE, SEWERLINE, INCLUDING METER AND BACKFLOW PREVENTION CONFIGURATION AT THE STREET SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF HARRISBURG AND CABARRUS CO.

P. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.

Q. THE CONTRACTOR SHALL NOTIFY LOCAL UTILITY COMPANIES AND UTILITY LOCATOR SERVICE PRIOR TO BEGINNING CONSTRUCTION.

Mr. Donald Harris
6111 Creekview Ct.
Harrisburg, NC 28075
PIN #5507799246
Zoned RU
Use: Single Family Residential

Mr. Michael Burgess
6117 Creekview Ct.
Harrisburg, NC 28075
PIN #5507798282
Zoned RU
Use: Single Family Residential

Mr. Edward Emery
6123 Creekview Ct.
Harrisburg, NC 28075
PIN #5507798138
Zoned RU
Use: Single Family Residential

Carillion Assisted Living LLC
c/o Deleware LTP Liability
4901 Waters Edge, Suite 200
Raleigh, NC 27606
PIN #5507894340
Zoned RU
Use: Assisted Living

Ms. Elizabeth Williams
c/o Robert Davis, Jr.
150 Federal Street
Boston, MA 2110(?)
PIN #5507789474
Zoned OA
Use: Undeveloped

REQUIRED BUFFER YARD PER SECTION 2.2 OF HARRISBURG ZONING ORDINANCE. (REQUIREMENT SATISFIED BY EXISTING VEGETATION)

100 YEAR FLOOD HAZARD AREA WITH NO BASE FLOOD ELEVATIONS DETERMINED SCALED FROM FEMA F.I.R.M. MAP NO. 3702SC0115 D, EFFECTIVE DATE 11-2-94)

SEE ENLARGED PLAN ON SHEET C5 FOR CONTINUATION

SITE NOTES

1. NEW NURSING HOME. SEE ARCHITECTURAL PLANS AND DIMENSIONS.
2. NEW 1'-6" CONCRETE CURB AND GUTTER. SEE DETAIL 10.17A & 10.17B ON SHEET C4.
3. NEW 2'-6" TO 1'-6" CONCRETE CURB TRANSITION. SEE DETAIL 10.20 ON SHEET C4.
4. NEW 2'-6" CONCRETE CURB AND GUTTER. SEE DETAIL 10.17A & 10.17B ON SHEET C4.
5. NEW 4" WIDE PAINT STRIPE. COLOR: WHITE
6. NEW CONCRETE SIDEWALK. SEE GENERAL NOTE D AND DETAIL 10.22 ON SHEET C4.
7. NEW ACCESSIBLE PARKING SIGNAGE. SEE DETAIL 50.10A ON SHEET C4.
8. NEW ACCESSIBLE CURB DEPRESSION. SEE SITE INSET "A", SHEET C5 FOR DEPRESSED CURB LAYOUT AT FRONT CANOPY.
9. NEW 3" DOMESTIC METER (NEPTUNE) IN BELOW GRADE CONC. VAULT. COORDINATE REQUIREMENTS W/TOWN OF HARRISBURG. CONTRACTOR SHALL PROVIDE AND INSTALL METER AND VAULT IN ADDITION TO PAYING REQUIRED TAP FEE.
10. NEW 12' x 40' LOADING SPACE.
11. NEW 6" DOUBLE CHECK VALVE W/ 3/4" BYPASS DETECTOR METER IN BELOW GRADE CONCRETE VAULT. COORDINATE REQUIREMENTS W/TOWN OF HARRISBURG.
12. NEW DUMPSTER PAD AND SCREEN. SEE ARCHITECTURAL PLANS FOR DETAIL.
13. NEW NORMAL DUTY PAVEMENT. SEE GENERAL NOTE C.
14. NEW HEAVY DUTY PAVEMENT. SEE GENERAL NOTE C.
15. NEW CONCRETE DUMPSTER PAD AND APPROACH APRON. 6" THICK, 4,000 P.S.I. CONCRETE W/6" x 6", W2.9 x W2.9 W.W.F. 2' CLEAR OF BOTTOM OVER 4" CABC OVER COMPACTED SUBGRADE.
16. NEW 3" DOUBLE CHECK VALVE IN BELOW GRADE CONC. VAULT. COORDINATE REQUIREMENTS W/TOWN OF HARRISBURG.
17. NEW 6" FIRELINE (PVC C900, PRESSURE CLASS 200)
18. NEW 3" WATERLINE (PVC 1120, SDR 21)
19. NEW FIRE HYDRANT AND VALVE ASSEMBLY. COORDINATE W/LOCAL FIRE DEPT. W/REGARD TO TYPE, OPENINGS AND THREAD PATTERNS.
20. NEW 6" SANITARY SEWER LATERAL (PVC SDR 26) @ 1.0% SLOPE. PROVIDE CLEANOUTS @ 100' O.C. AND AT ALL BENDS.
21. APPROXIMATE LOCATION OF NEW SIGN
22. CONTROL JOINT IN SIDEWALK
23. NEW STORAGE BUILDING. SEE ARCHITECTURAL PLANS AND DIMENSIONS.

NOTE:
FOR SANITARY SEWER CONTINUATION, SEE INSET "B" ON SHEET C5.0.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

APPROXIMATE LOCATION OF EXISTING 8" WATERLINE (VERIFY)

NEW 8" X 6" TAMPING SLEEVE AND VALVE

BORE AND JACK 16" DIA. (.250" WALL) STEEL CASING FOR NEW 6" FIRELINE.

ROBERTA ROAD 60' R/W S.R. 1304

50' SETBACK FROM 90' FUTURE R/W

10' PLANTING STRIP
FUTURE 90' R/W
EXISTING 60' R/W
FUTURE 80' R/W

DUKE POWER CO. DB 243 PG. 343 - ADB 243 PG. 371

CONCORD TELEPHONE CO. DB 353 PG. 36

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 12557 7-19-00 CHARLTON T. BURTON

BURTON ENGINEERING ASSOCIATES
CIVIL ENGINEERS
LAND PLANNERS
5970 Fairview Road - Suite 100 - Charlotte, NC 28210
(704) 553-8881 - Fax (704) 553-8860

Project: CABARRUS COUNTY NURSING FACILITY

Sheet Title: SITE, STAKING AND UTILITY PLAN

CTB
Engineer
JRD
Drawn By
03/02/00
Date

Revisions
1 04-28-00 REVD. PER CABARRUS CO
2 07-10-00 REVD. FLOOR PLAN & AND ADDED SIDEWALKS

Project Number
273-001

Sheet C1 of 6

P:\DWG\273-003\Site.dwg Wed Jul 19 11:47:17 2000

(B). The parties shall compare the total assets and total liabilities on the Second Closing Balance Sheets, with such adjustments, if any, as are required in arriving at the Final Second Closing Working Capital, above, to the total assets and total liabilities of TA's December 31, 2008 fiscal year end balance sheet and of TI's September 30, 2008 fiscal year end balance sheet (the "Historic Second Closing Balance Sheets"). If the net value of total assets and total liabilities on the Second Closing Balance Sheets are less than the net value of total assets and total liabilities on the Historic Second Closing Balance Sheets, to the extent such decrease is not the result of the ordinary course of business of TA and TI, an amount equal to the difference will be set off *pro rata* against the amounts due and owing under the Promissory Notes.

Section 2A.04 Second Closing. The closing of the purchase and sale of the TI Units and Partnership Interests (the *"Second Closing"*) shall take place no later than 5:00 p.m. Eastern Time on January 6, 2010 (the "*Second Closing Date*") or such other date and/or time as the parties hereto agree, and will be deemed effective as of 12:01 a.m. Eastern Time on the day after the Second Closing Date. The Second Closing shall take place at the office of Wyrick Robbins Yates & Ponton LLP, 4101 Lake Boone Trail, Raleigh, North Carolina 27607. At the Second Closing:

(a) the Sellers shall deliver to Mayview Properties the Assignment of Membership Interest for the TI Units,

(b) the Sellers shall deliver to WG Properties the Assignment of Partnership Interests,

(c) Mayview Properties shall deliver to the Sellers the Travis Tomlinson/Mayview Properties Promissory Note and the Parker Tomlinson/Mayview Properties Promissory Note,

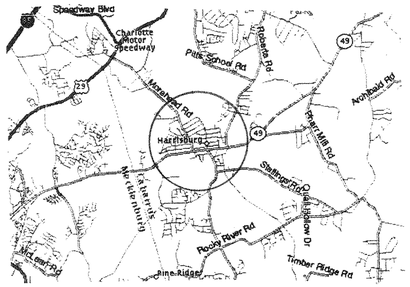
(d) WG Properties shall deliver to the Sellers the Travis Tomlinson/WG Properties Second Closing Promissory Note and the Parker Tomlinson/WG Properties Second Closing Promissory Note, and

(e) the parties hereto shall have satisfied or waived all other conditions to the Second Closing set forth in Article VIA hereof.

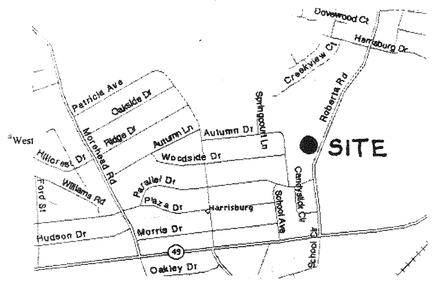
Section 2A.05 Second Closing Purchase Price Allocation. The Second Closing Purchase Price will be allocated among the TI Units and the Partnership Interests for all purposes (including Tax and financial accounting purposes) in accordance with Schedule 2.05(A) hereof (the "*Second Closing Purchase Price Allocation*"). It is agreed by the Parties that the Second Closing Purchase Price Allocation was arrived at by arm's length negotiation and in the judgment of the Parties properly reflects the fair market value of the TI Units and the Partnership Interests. Each of the Parties hereto will not take a position on any Tax Return, before any Governmental Body charged with the collection of any Tax, or in any Action or Proceeding, that is in any way inconsistent with the Second Closing Purchase Price Allocation and will cooperate with each other by timely filing consistent with the Second Closing Purchase Price Allocation on applicable forms with the IRS.

CABARRUS COUNTY NURSING FACILITY

Harrisburg–Cabarrus County, North Carolina



LOCATION MAP:



SCHEDULE OF DRAWINGS:

T 1- COVER SHEET
T 2- BUILDING DATA SHEET

SITE

C 1.0- SITE, STAKING, AND UTILITY PLAN
C 2.0- GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C 3.0- LANDSCAPE PLAN
C 4.0- SITE DETAILS
C 5.0- SITE INSETS
C 6.0- EXISTING CONDITIONS

STRUCTURAL

S 1- FOUNDATION PLAN
S 2- ROOF FRAMING PLAN
S 3- STRUCTURAL DETAILS
S 4- STRUCTURAL DETAILS
S 5- STRUCTURAL DETAILS AND NOTES

ARCHITECTURAL

LS 1- LIFE SAFETY PLAN
A 1- 1/16" SCALE COMPOSITE PLAN
A 2- 1/8" SCALE PARTIAL FLOOR PLAN
A 3- 1/8" SCALE PARTIAL FLOOR PLAN
A 4- 1/8" SCALE PARTIAL FLOOR PLAN
A 5- 1/4" SCALE ROOM PLANS AND INTERIOR ELEVATIONS
A 6- 1/4" SCALE NURSES' STATION PLANS AND DETAILS
A 7- 1/4" SCALE KITCHEN AND SERVICE AREA
A 8- INTERIOR MILLWORK AND ELEVATIONS
A 9- MISC. DETAILS AND WINDOW SCHEDULE
A 10- ROOM FINISH SCHEDULE
A 11- DOOR AND FRAME SCHEDULE
A 12- EXTERIOR ELEVATIONS
A 13- EXTERIOR ELEVATIONS
A 14- EXTERIOR ELEVATIONS AND MISC. DETAILS
A 15- WALL SECTIONS AND BUILDING CROSS-SECTIONS
A 16- WALL SECTIONS AND BUILDING CROSS-SECTION
A 17- KITCHEN HOOD DETAILS
A 18- MISC. DETAILS
A 19- PENETRATION DETAILS
A 20- STORAGE BUILDING

PLUMBING

P 1- PLUMBING SCHEDULES, DETAILS, AND LEGEND
P 2- PARTIAL PLUMBING PLAN
P 3- PARTIAL PLUMBING PLAN
P 4- PARTIAL PLUMBING PLAN AND DETAILS
P 5- 1/4" SCALE TYPICAL ROOMS AND NURSES' STATION PLUMBING PLANS
P 6- 1/4" SCALE KITCHEN AND SERVICE AREA PLUMBING PLAN

MECHANICAL

M 1- MECHANICAL SCHEDULES AND DETAILS
M 2- PARTIAL MECHANICAL PLAN
M 3- PARTIAL MECHANICAL PLAN
M 4- PARTIAL MECHANICAL PLAN

ELECTRICAL

E 1- PARTIAL LIGHTING PLAN
E 2- PARTIAL LIGHTING PLAN
E 3- PARTIAL LIGHTING PLAN
E 4- ATTIC LIGHTING AND FAN PLAN
E 5- PARTIAL POWER PLAN
E 6- PARTIAL POWER PLAN
E 7- PARTIAL POWER PLAN
E 8- KITCHEN ELECTRICAL PLAN
E 9- ADDRESSABLE FIRE ALARM PLAN
E 10- ADDRESSABLE FIRE ALARM RISER
E 11- SYSTEMS PLAN
E 12- PANEL SCHEDULES
E 13- PANEL SCHEDULES
E 14- POWER RISER

DAVID R. POLSTON REGISTERED ARCHITECT 3275 WILMINGTON, N.C.

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

10-BED FACILITY

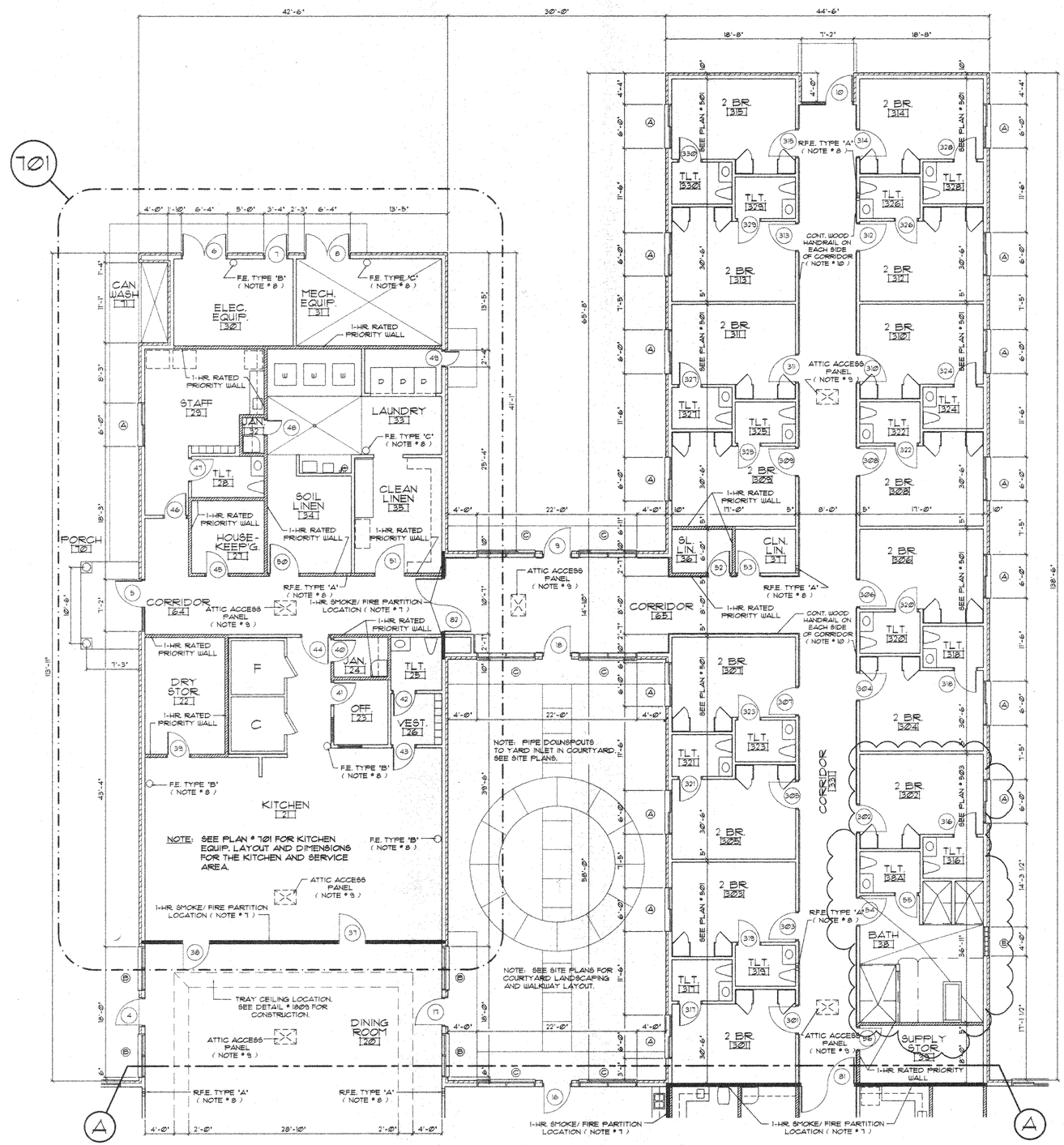
T 1

GENERAL FLOOR PLAN NOTES:

1. ALL GWB. THROUGH-OUT BUILDING TO BE 5/8" FIRECODE.
2. ALL EXTERIOR STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C.
   ALL INTERIOR LOAD-BEARING STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C.
   ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS, FIRE EXTINGUISHERS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE GWB. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL SMOKE/FIRE PARTITIONS TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODE®. SEE DETAIL # 15/G2 FOR CONSTRUCTION OF TYPICAL SMOKE PARTITIONS. SEE DETAIL # 15/G1 FOR CONSTRUCTION OF SMOKE PARTITIONS AT BEARING WALL LOCATIONS.
8. PROVIDE FULLY RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10lb. 4A 60 B-C. (RECESSED)
   TYPE 'B' - 20lb. 8C 120 B-C (NOT RECESSED)
   TYPE 'C' - 10lb. 4A 60 B-C (NOT RECESSED)

9. PROVIDE 2' X 3' 'B' LABEL ATTIC ACCESS PANELS (J.L. INDUSTRIES MODEL F D.) AS SHOWN ON FLOOR PLAN AND ROOF FRAMING PLAN. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF ATTIC ACCESS PANELS TO BE WITHIN 20 FEET OF AIR HANDLER UNITS IN ATTIC. CATWALKS TO BE PROVIDED CONTINUOUSLY FROM ACCESS PANELS TO AIR HANDLER UNITS.
10. PROVIDE WOOD HANDRAILS ON EACH SIDE OF CORRIDORS AS SHOWN ON PLANS.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (2) 16" VINYL COVERED WIRE SHELVES. PROVIDE (4) 16" VINYL COVERED WIRE SHELVES IN CLEAN LINEN AND STORAGE ROOMS AS SHOWN.
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.



3/01 FLOOR PLAN — WING '300' AND SERVICE AREA

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

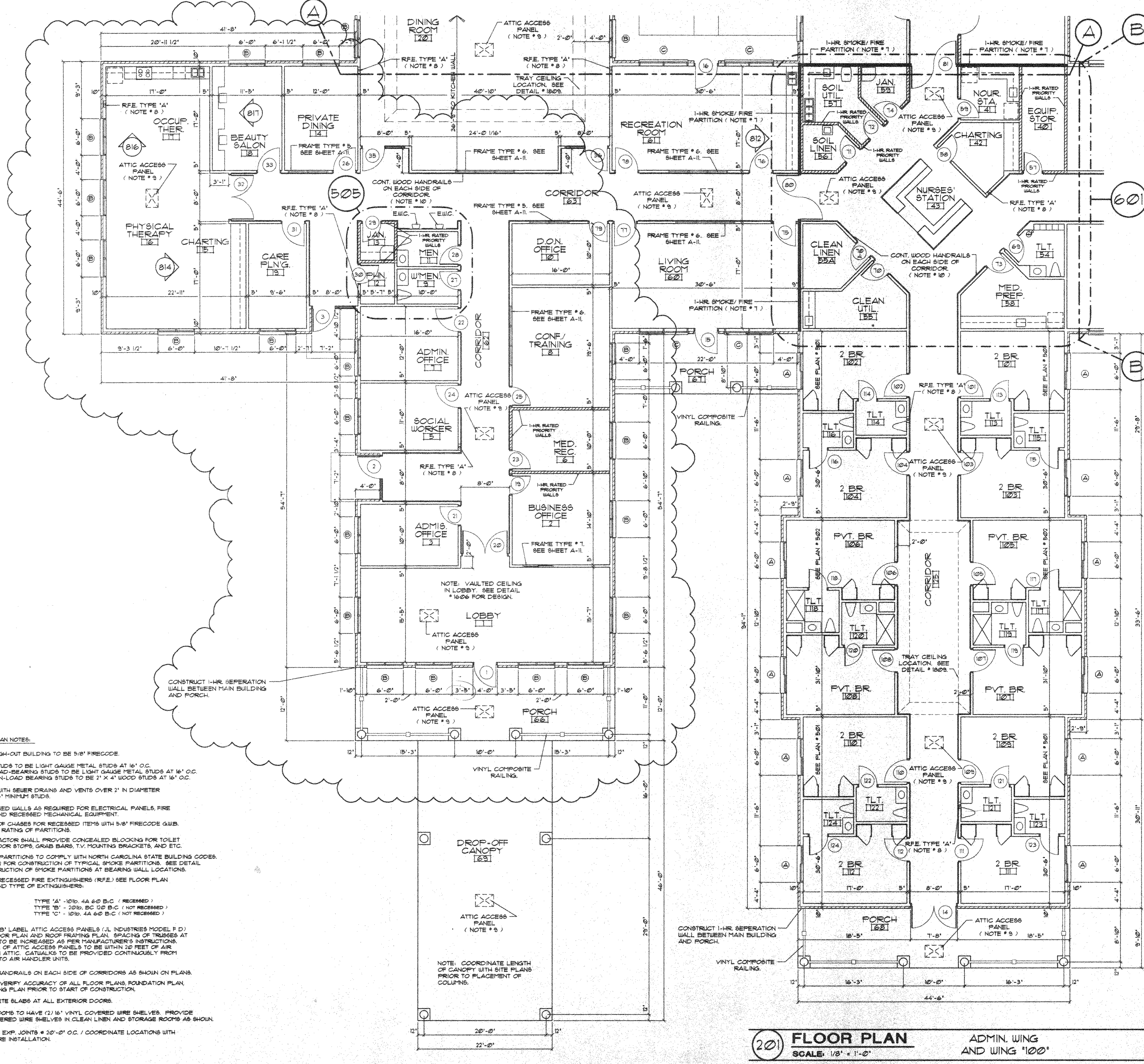
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

70-BED FACILITY

REVISED - 8-5-00 PER OWNER CHANGES

A 3



(201) FLOOR PLAN — ADMIN. WING AND WING "100"

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

GENERAL FLOOR PLAN NOTES:

1. ALL G.W.B. THROUGH-OUT BUILDING TO BE 5/8" FIRECODE.
2. ALL EXTERIOR STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C. ALL INTERIOR LOAD-BEARING STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C. ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS, FIRE EXTINGUISHERS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL SMOKE/FIRE PARTITIONS TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 1502 FOR CONSTRUCTION OF TYPICAL SMOKE PARTITIONS. SEE DETAIL # 1501 FOR CONSTRUCTION OF SMOKE PARTITIONS AT BEARING WALL LOCATIONS.
8. PROVIDE FULLY RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10lb. 4A 60 B:C (RECESSED)
   TYPE 'B' - 20lb. BC 120 B:C (NOT RECESSED)
   TYPE 'C' - 10lb. 4A 60 B:C (NOT RECESSED)

9. PROVIDE 2' X 3' 'B' LABEL ATTIC ACCESS PANELS (JL INDUSTRIES MODEL F.D) AS SHOWN ON FLOOR PLAN AND ROOF FRAMING PLAN. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF ATTIC ACCESS PANELS TO BE WITHIN 20 FEET OF AIR HANDLER UNITS IN ATTIC. CATWALKS TO BE PROVIDED CONTINUOUSLY FROM ACCESS PANELS TO AIR HANDLER UNITS.
10. PROVIDE WOOD HANDRAILS ON EACH SIDE OF CORRIDORS AS SHOWN ON PLANS.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (2) 16" VINYL COVERED WIRE SHELVES. PROVIDE (4) 16" VINYL COVERED WIRE SHELVES IN CLEAN LINEN AND STORAGE ROOMS AS SHOWN.
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

70-BED FACILITY

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A 2

101 **FLOOR PLAN** COMPOSITE PLAN

SCALE: 1/16" = 1'-0"

CABARRUS COUNTY NURSING FACILITY

Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

10-BED FACILITY

REVISED - 8-5-08 PER OWNER CHANGES

A 1

GENERAL FLOOR PLAN NOTES:

1. ALL G.W.B. THROUGH-OUT BUILDING TO BE 5/8" FIRECODE.
2. ALL EXTERIOR STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C.
   ALL INTERIOR LOAD-BEARING STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C.
   ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS, FIRE EXTINGUISHERS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF PARTITIONS.
6. GENERAL CONTRACTOR SHALL PROVIDE CONCEALED BLOCKING FOR TOILET ACCESSORIES, DOOR STOPS, GRAB BARS, T.V. MOUNTING BRACKETS, AND ETC.
7. ALL SMOKE/FIRE PARTITIONS TO COMPLY WITH NORTH CAROLINA STATE BUILDING CODES. SEE DETAIL # 1903 FOR CONSTRUCTION OF TYPICAL SMOKE PARTITIONS. SEE DETAIL # 1901 FOR CONSTRUCTION OF SMOKE PARTITIONS AT BEARING WALL LOCATIONS.
8. PROVIDE FULLY RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10lb. 4A 60 B-C (RECESSED)
   TYPE 'B' - 20lb. BC 120 B-C (NOT RECESSED)
   TYPE 'C' - 10lb. 4A 60 B-C (NOT RECESSED)

9. PROVIDE 2' X 3' "B" LABEL ATTIC ACCESS PANELS (JL INDUSTRIES MODEL # D) AS SHOWN ON FLOOR PLAN AND ROOF FRAMING PLAN. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF ATTIC ACCESS PANELS TO BE WITHIN 20 FEET OF AIR HANDLER UNITS IN ATTIC. CATWALKS TO BE PROVIDED CONTINUOUSLY FROM ACCESS PANELS TO AIR HANDLER UNITS.
10. PROVIDE WOOD HANDRAILS ON EACH SIDE OF CORRIDORS AS SHOWN ON PLANS.
11. CONTRACTOR TO VERIFY ACCURACY OF ALL FLOOR PLANS, FOUNDATION PLAN, AND ROOF FRAMING PLAN PRIOR TO START OF CONSTRUCTION.
12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (2) 16" VINYL COVERED WIRE SHELVES. PROVIDE (4) 16" VINYL COVERED WIRE SHELVES IN CLEAN LINEN AND STORAGE ROOMS AS SHOWN.
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.

401 **FLOOR PLAN** ALZHEIMER UNIT - WING '200'

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

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Architecture Planning Design

CABARRUS COUNTY NURSING FACILITY
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10-BED FACILITY

REVISED : 8-5-00 PER OWNER CHANGES

A 4

GENERAL FLOOR PLAN NOTES:

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   ALL INTERIOR LOAD-BEARING STUDS TO BE LIGHT GAUGE METAL STUDS AT 16" O.C.
   ALL INTERIOR NON-LOAD BEARING STUDS TO BE 2" X 4" WOOD STUDS AT 16" O.C.
3. ALL PARTITIONS WITH SEWER DRAINS AND VENTS OVER 2" IN DIAMETER MUST HAVE 2" X 6" MINIMUM STUDS.
4. PROVIDE THICKENED WALLS AS REQUIRED FOR ELECTRICAL PANELS, FIRE EXTINGUISHERS AND RECESSED MECHANICAL EQUIPMENT.
5. LINE ALL WALLS OF CHASES FOR RECESSED ITEMS WITH 5/8" FIRECODE G.W.B. TO INSURE 1-HOUR RATING OF PARTITIONS.
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8. PROVIDE FULLY RECESSED FIRE EXTINGUISHERS (R.F.E.) SEE FLOOR PLAN FOR LOCATION AND TYPE OF EXTINGUISHERS:

   TYPE 'A' - 10 lb. 4A 60 B:C (RECESSED)
   TYPE 'B' - 20 lb. BC 120 B:C (NOT RECESSED)
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9. PROVIDE 2' X 3' '1B' LABEL ATTIC ACCESS PANELS (J.L. INDUSTRIES MODEL # D) AS SHOWN ON FLOOR PLAN AND ROOF FRAMING PLAN. SPACING OF TRUSSES AT ACCESS PANELS TO BE INCREASED AS PER MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF ATTIC ACCESS PANELS TO BE WITHIN 20 FEET OF AIR HANDLER UNITS IN ATTIC. CATWALKS TO BE PROVIDED CONTINUOUSLY FROM ACCESS PANELS TO AIR HANDLER UNITS.
10. PROVIDE WOOD HANDRAILS ON EACH SIDE OF CORRIDORS AS SHOWN ON PLANS.
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12. PROVIDE CONCRETE SLABS AT ALL EXTERIOR DOORS.
13. ALL JANITOR'S ROOMS TO HAVE (2) 16" VINYL COVERED WIRE SHELVES. PROVIDE (4) 16" VINYL COVERED WIRE SHELVES IN CLEAN LINEN AND STORAGE ROOMS AS SHOWN.
14. PROVIDE CEILING EXP. JOINTS @ 20'-0" O.C. / COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.

401 **FLOOR PLAN** ALZHEIMER UNIT - WING '200'

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

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CABARRUS COUNTY NURSING FACILITY
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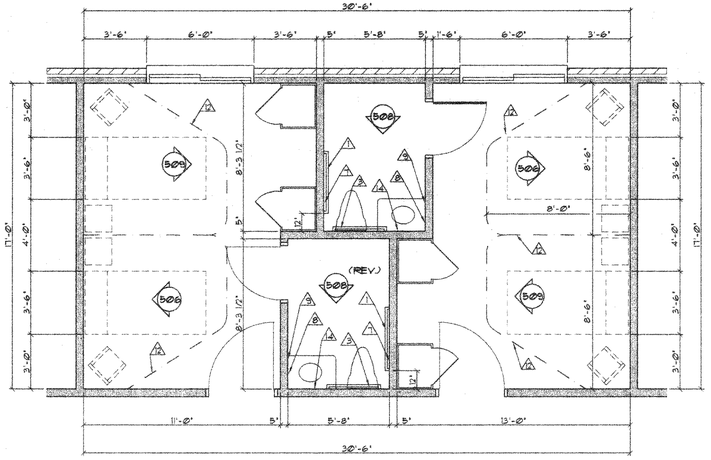
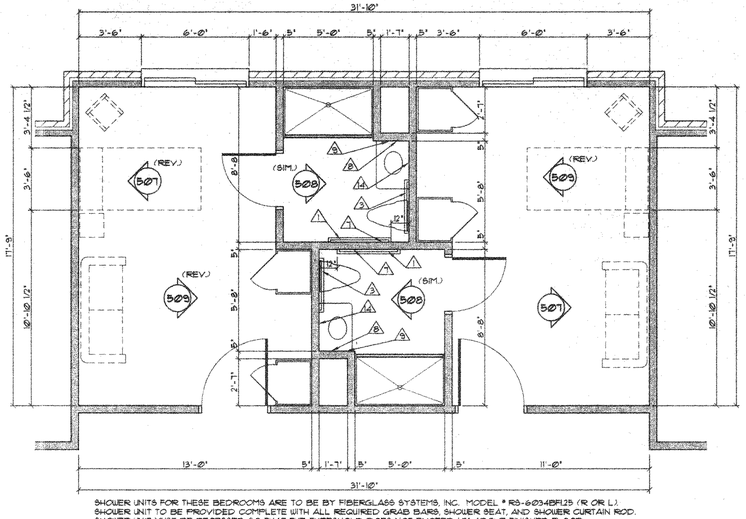
REVISED : 8-5-00 PER OWNER CHANGES

A 4

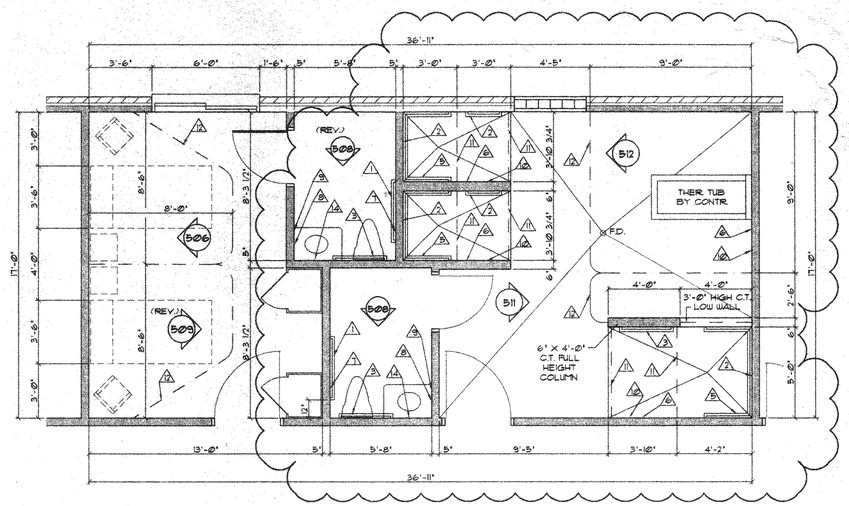


501 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — TYPICAL SEMI-PVT. BEDROOM SUITE



SHOWER UNITS FOR THESE BEDROOMS ARE TO BE BY FIBERGLASS SYSTEMS, INC. MODEL # RS-6036BFL2S (R OR L). SHOWER UNIT TO BE PROVIDED COMPLETE WITH ALL REQUIRED GRAB BARS, SHOWER SEAT, AND SHOWER CURTAIN ROD. SHOWER UNIT MUST BE RECESSED SO THAT THE THRESHOLD DOES NOT EXCEED 1/2" ABOVE FINISHED FLOOR.

502 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — TYPICAL PRIVATE BEDROOM SUITE



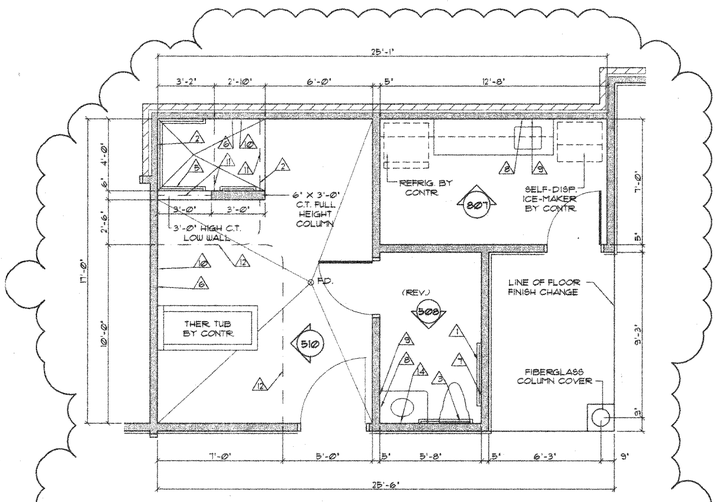
503 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — BATH # 38 / BEDROOM # 302

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUFACTURER	CATALOG NO.
1	GRAB BAR - 1 1/2" X 42" LONG	BOBRICK	B- 6806 x 42"
2	GRAB BAR - 1 1/2" X 24" LONG	BOBRICK	B- 6806 x 24"
3	GRAB BAR - 1 1/2" X 36" LONG	BOBRICK	B-6806 x 36"
4	GRAB BAR - 1 1/2" X 24 X 36 90°	BOBRICK	B-6866
5	GRAB BAR - 1 1/2" X CONTINUOUS	BOBRICK	B-6806x CONT.
6	TOWEL BAR - 18" LONG	BOBRICK	B- 7674 x 18"

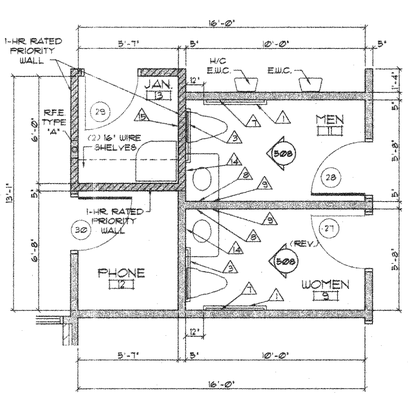
TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUFACTURER	CATALOG NO.
7	TOILET PAPER DISPENSER	BOBRICK	B- 7685
8	SOAP DISPENSER- WALL MOUNTED	BOBRICK	B- 2112
9	PAPER TOWEL DISPENSER	BOBRICK	B- 262
10	DOUBLE ROBE HOOK	BOBRICK	B- 7672
11	SHOWER CURTAIN ROD	BOBRICK	B- 6107
12	PRIVACY CURTAIN TRACK	WATROUS	36- 4102

TOILET ACCESSORIES SCHEDULE			
△	DESCRIPTION	MANUFACTURER	CATALOG NO.
13	MIRROR - 18" x 30"	BOBRICK	B- 290 1830
14	MIRROR (SIZE AS SHOWN)	BY GLAZING CONTRACTOR	
15	MOP HOOK RACK	SEE PLUMBING SCHEDULE	

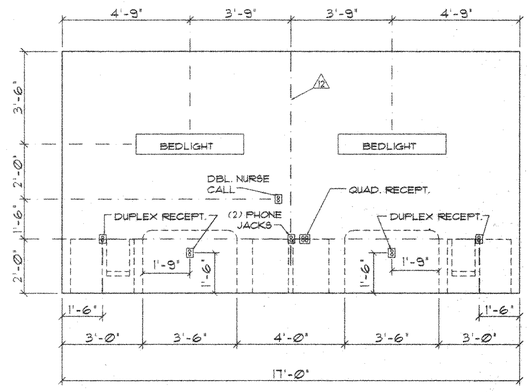
TOILET ACCESSORY NOTES:
1. SEE 1/4" SCALE FLOORPLANS AND INTERIOR ELEVATION FOR LOCATION OF TOILET ACCESSORIES.
2. G.C. SHALL PROVIDE CONCEALED BLOCKING IN WALLS AND ABOVE CEILING AS REQUIRED FOR SECURE MOUNTING OF ACCESSORIES.
3. PROVIDE MOP HOOK RACKS IN ALL JANITOR'S CLOSETS.
4. MOUNTING HEIGHTS SHALL MEET HANDICAPPED REQUIREMENTS AND STATE BUILDING CODES.
5. ITEMS * 8 AND * 9 ARE TO BE PROVIDED AND INSTALLED BY OWNER.



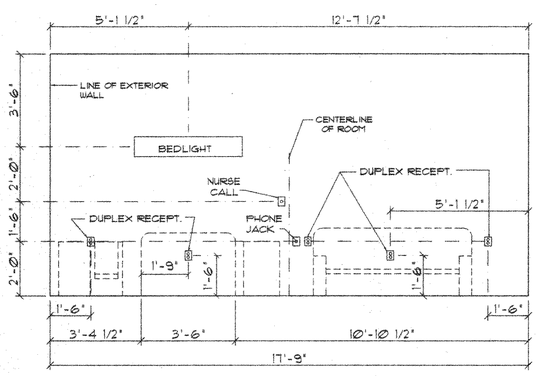
504 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — BATH # 53 / NOUR. STATION # 47



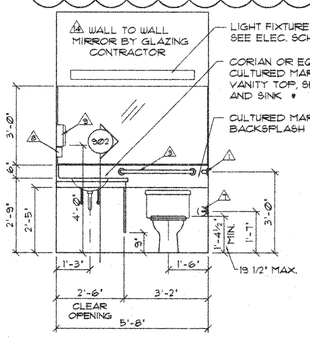
505 **FLOOR PLAN** SCALE: 1/4" = 1'-0" — PUBLIC TOILETS



506 **ELEVATION** SCALE: 3/8"=1'-0" — TYPICAL SEMI-PRIVATE BEDROOM BEDWALL



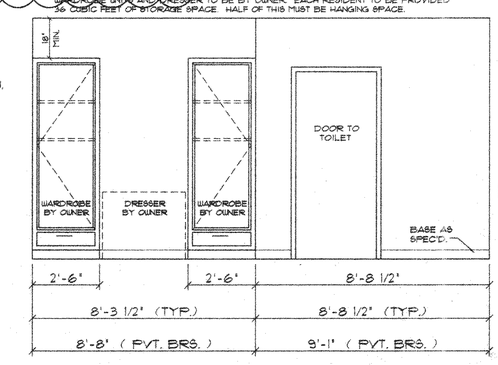
507 **ELEVATION** SCALE: 3/8"=1'-0" — TYPICAL PRIVATE BEDROOM BEDWALL



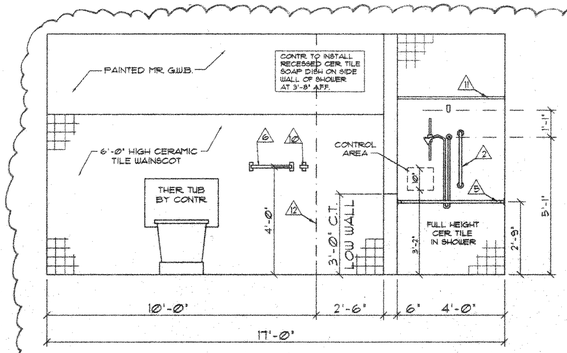
CONTR. TO INSULATE HOT WATER AND WASTE LINES.

508 **ELEVATION** SCALE: 3/8" = 1'-0" — TYP. TOILET ROOM

WARDROBE UNITS AND DRESSER TO BE BY OWNER. EACH RESIDENT TO BE PROVIDED 36 CUBIC FEET OF STORAGE SPACE. HALF OF THIS MUST BE HANGING SPACE.

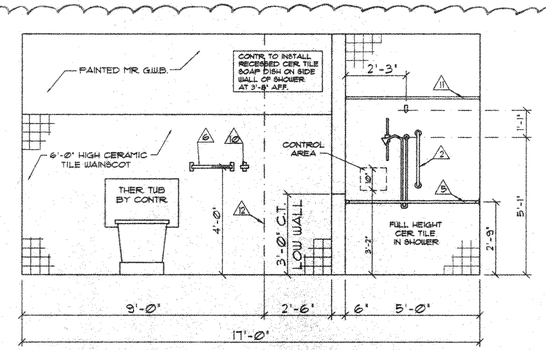


509 **ELEVATION** SCALE: 3/8"=1'-0" — TYPICAL BEDROOM MILLWORK



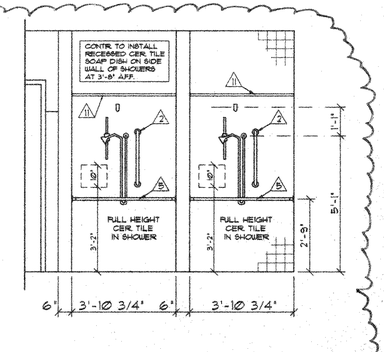
NOTE: CONTRACTOR TO VERIFY LOCATION AND COLOR OF CERAMIC TILE STRIPE AT THE CERAMIC TILE WAINSCOT AND SHOWER.

510 **ELEVATION** SCALE: 3/8"=1'-0" — BATH # 53



NOTE: CONTRACTOR TO VERIFY LOCATION AND COLOR OF CERAMIC TILE STRIPE AT THE CERAMIC TILE WAINSCOT AND SHOWER.

511 **ELEVATION** SCALE: 3/8"=1'-0" — BATH # 38



NOTE: CONTRACTOR TO VERIFY LOCATION AND COLOR OF CERAMIC TILE STRIP AT THE CERAMIC TILE WAINSCOT AND SHOWER.

512 **ELEVATION** SCALE: 3/8"=1'-0" — BATH # 38

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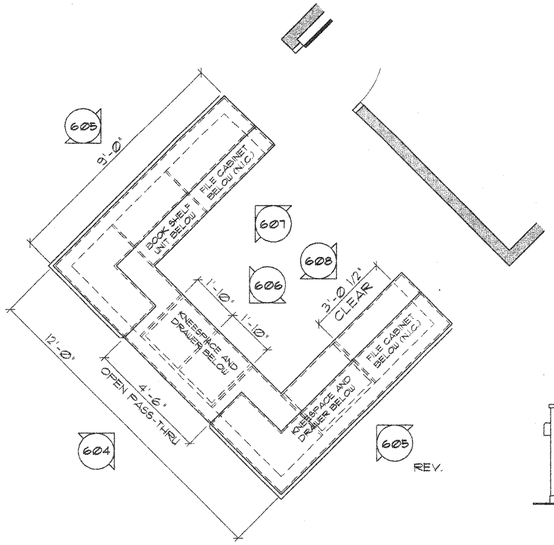
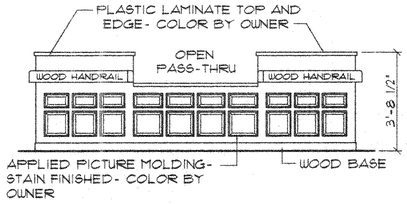
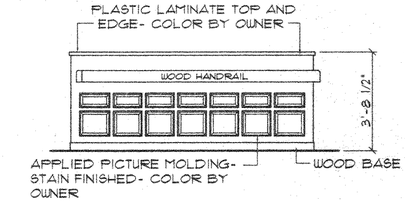


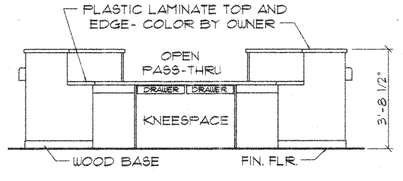
603 **FLOOR PLAN** COUNTER AT NURSES' STATION 43
SCALE: 3/8"=1'-0"



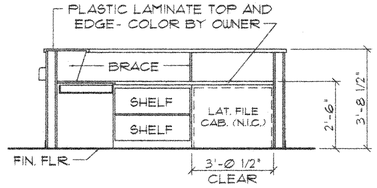
604 **ELEVATION** NURSES' STATION # 43
SCALE: 3/8"=1'-0"



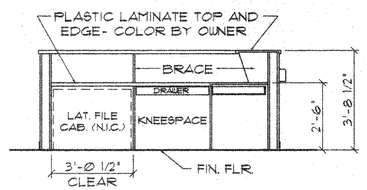
605 **ELEVATION** NURSES' STATION # 43
SCALE: 3/8"=1'-0"



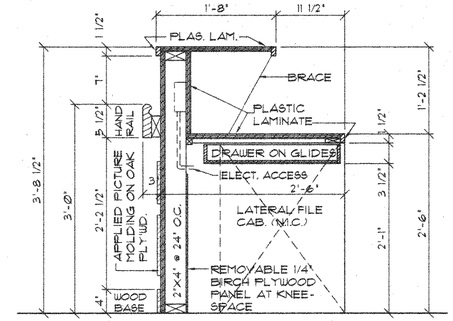
606 **ELEVATION** NURSES' STATION # 43
SCALE: 3/8"=1'-0"



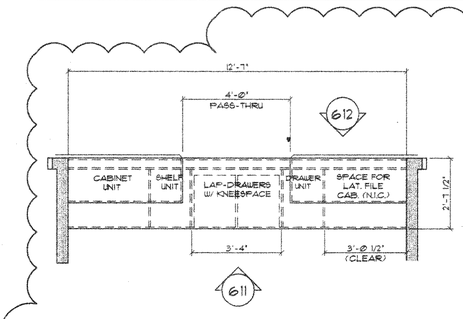
607 **ELEVATION** NURSES' STATION # 43
SCALE: 3/8"=1'-0"



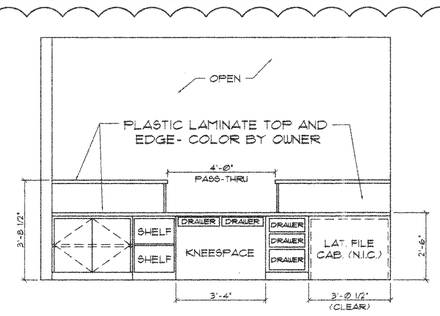
608 **ELEVATION** NURSES' STATION # 43
SCALE: 3/8"=1'-0"



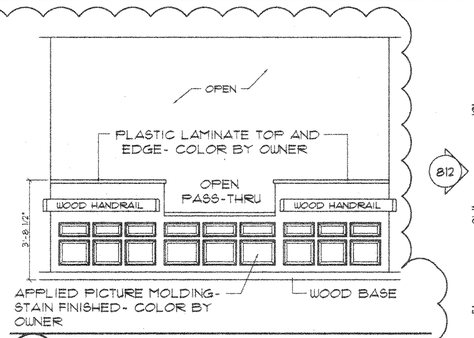
609 **SECTION** TYP. NURSES' STATION COUNTER
SCALE: 1"= 1'-0"



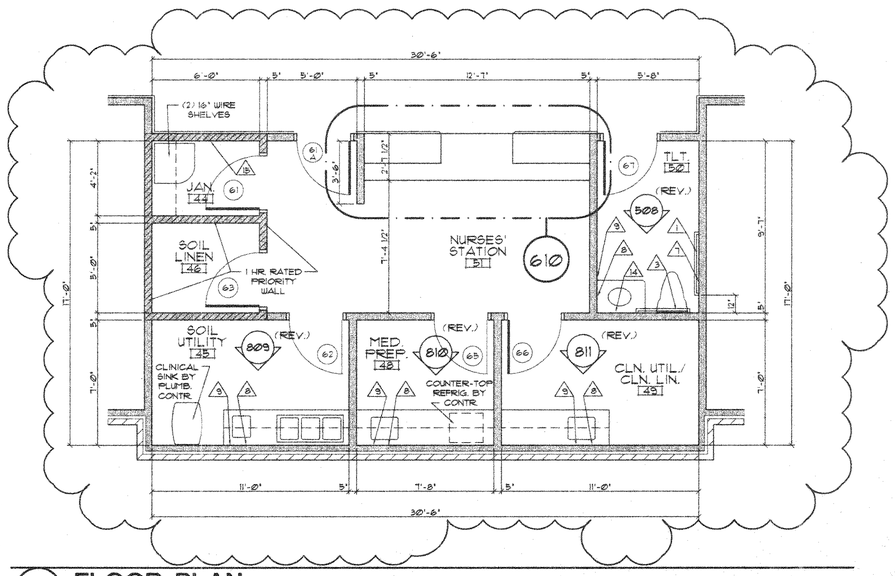
610 **FLOOR PLAN** ALZHEIMER NURSES' STATION # 51
SCALE: 3/8"=1'-0"



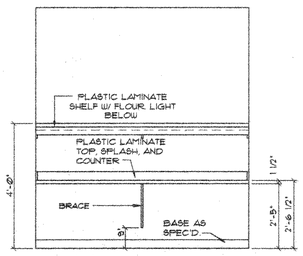
611 **ELEVATION** ALZHEIMER NURSES' STATION # 51
SCALE: 3/8"=1'-0"



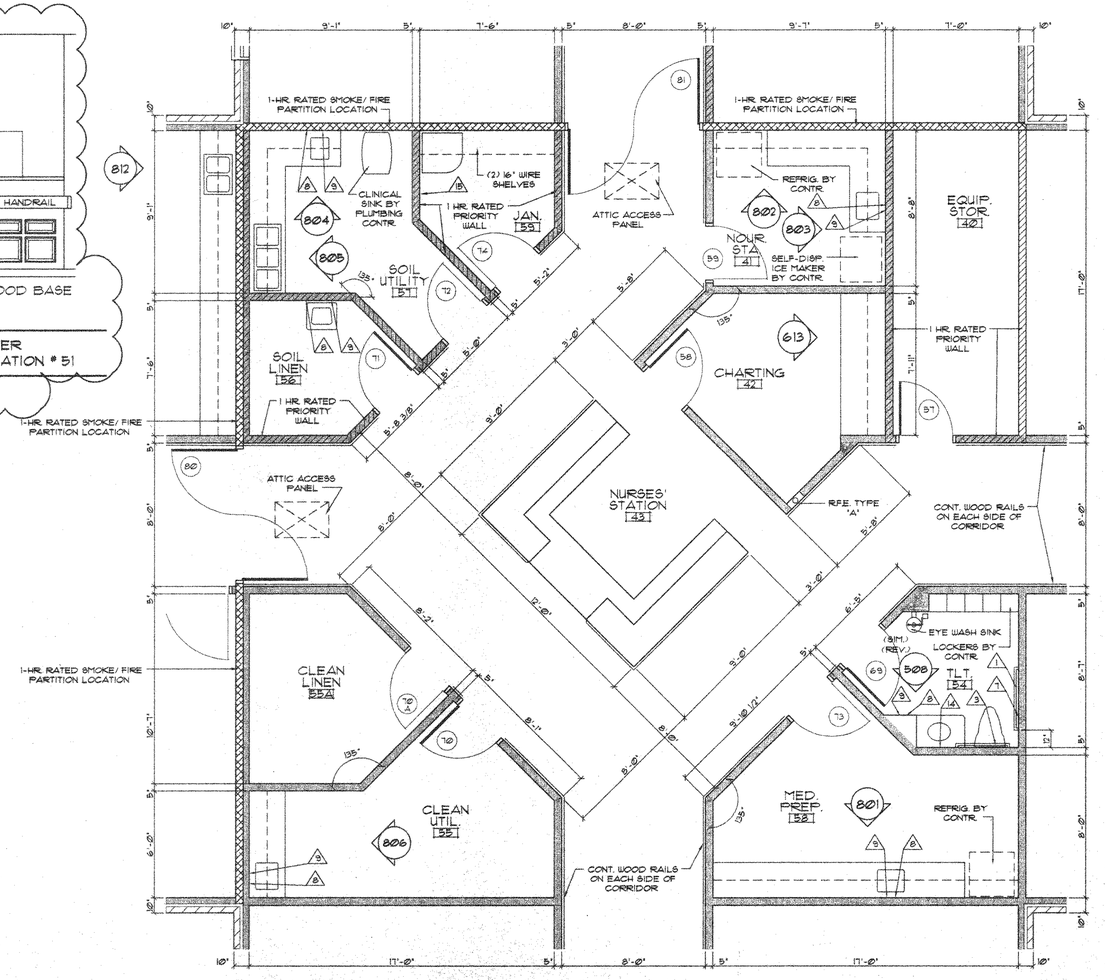
612 **ELEVATION** ALZHEIMER NURSES' STATION # 51
SCALE: 3/8"=1'-0"



602 **FLOOR PLAN** AREA AT NURSES' STATION 51
SCALE: 1/4" = 1'-0"



613 **ELEVATION** CHARTING # 42
SCALE: 3/8" = 1'-0"



601 **FLOOR PLAN** AREA AT NURSES' STATION 43
SCALE: 1/4" = 1'-0"

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CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

10-BED FACILITY

REVISED : 8-5-08 PER OWNER CHANGES

A 6

KITCHEN EQUIPMENT SCHEDULE

NO.	DESCRIPTION	QTY.
1	CUBE ICE MAKER	1
2	ICE STORAGE BIN	1
3	NOT USED	
4	NOT USED	
5	WORKTABLE: SS TOP & UNDERSHELF	1
6	REACH-IN REFRIGERATOR	1
7	BAKER'S TABLE: SS TOP & UNDERSHELF	1
8	MOBILE INGREDIENT BIN	3
9	FOOD BLENDER	1
10	FOOD PROCESSOR	1
11	WORKTABLE: SS TOP & UNDERSHELF	1
12	VENTILATING HOOD W/MAKE-UP AIR	1
13	FIRE SUPPRESSION SYSTEM	1
14	ROOF TOP EXHAUST FAN	1
15	ROOF TOP MAKE-UP AIR FAN	1
16	RANGE: 6 BURNERS, 24" GRIDDLE, & DBL. OVEN	1
17	CONVECTION OVEN	1
18	NOT USED	N/A
19	STEAMER	1
20	DEEP FAT FRYER	1

KITCHEN EQUIPMENT SCHEDULE

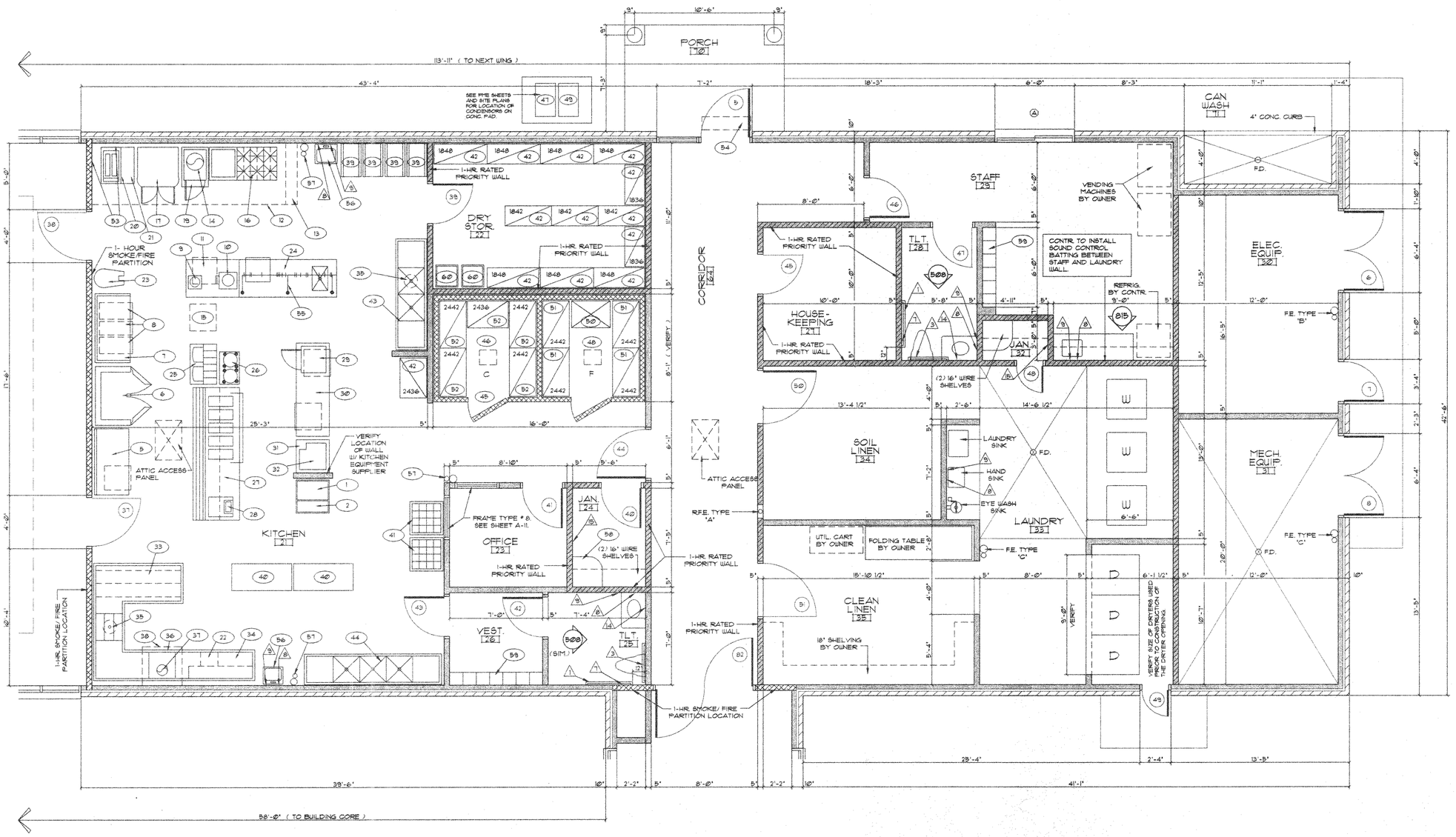
NO.	DESCRIPTION	QTY.
21	FRYER DUMP SHELF	1
22	BOOSTER HEATER	1
23	FOOD MIXER	1
24	TABLE: SS TOP, SINK, POT RACK, UNDERSHELF	1
25	TRAY CART/ CUTLERY PANS	1
26	DISH DISPENSER: HEATED, SELF LEVELING	1
27	CHEF'S TABLE	1
28	CONVEYOR TOASTER	1
29	MICROWAVE OVEN	1
30	WORKTABLE: SS TOP, 1 DRAWER EA. LONG SIDE	1
31	SLICER STAND	1
32	FOOD SLICER	1
33	SOILED DISH TABLE: SS	1
34	CLEAN DISH TABLE: SS	1
35	FOOD WASTE DISPOSER	2
36	DISHWASHING MACHINE	1
37	ROOF TOP EXHAUST FAN	1
38	CONDENSATION HOOD	1
39	MOBILE TRAY RACK	4
40	DOMED PLATE-COVER STORAGE RACK	2

KITCHEN EQUIPMENT SCHEDULE

NO.	DESCRIPTION	QTY.
41	RACK DOLLY	2
42	DRY STORAGE SHELVING	1-LOT
43	VEGETABLE PREP SINK: 2 COMPARTMENT	1
44	POT SINK: 3-COMPARTMENT	1
45	WALK-IN COOLER/ FREEZER	1
46	MEDIUM TEMPERATURE COIL	1
47	MEDIUM TEMPERATURE CONDENSOR	1
48	LOW TEMPERATURE COIL	1
49	LOW TEMPERATURE CONDENSOR	1
50	DUNNAGE RACK	1
51	FREEZER STORAGE SHELVING	1-LOT
52	COOLER STORAGE SHELVING	1-LOT
53	STAINLESS STEEL PANELS	NOTE #1
54	FLY FAN (AIR CURTAIN)	1
55	POT RACK	1
56	HANDSINK (IN KITCHEN)	2
57	FIRE EXTINGUISHER - TYPE "B" (IN KITCHEN)	3
58	MOP SINK (IN KITCHEN JAN. CLOSET)	1
59	LOCKERS (7 @ VEST./ 6 @ STAFF)	13
60	CAN STORAGE RACK	2

NOTES:

1. WALL SURFACE FROM BOTTOM OF HOOD TO TOP OF FLOOR BASE FOR LENGTH OF COOKING HOOD TO BE COVERED W/ STAINLESS STEEL PANELS.
2. ALL PIECES OF KITCHEN EQUIPMENT TO HAVE A NSF LABEL AND BE INSTALLED IN ACCORDANCE WITH CURRENT NSF STANDARDS.
3. ALL ELECTRICAL EQUIPMENT TO HAVE U.L. LABEL.
4. ALL GAS EQUIPMENT TO HAVE A.G.A. LABEL.
5. THE KITCHEN EXHAUST HOOD SHALL BE FACTORY FABRICATED FOR COMPLIANCE WITH NFPA 96, NSF 1362 AND HAVE A U.L. LABEL. SEE DETAIL # 11/01 ON SHEET A-11 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.
6. THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND HEAT TO ALL EQUIPMENT UNDER THE KITCHEN EXHAUST HOOD AND ALSO AUTOMATICALLY ACTIVATE THE BUILDING FIRE ALARM SYSTEM.
7. THE DISHWASHER CONDENSATE HOOD SHALL BE FACTORY FABRICATED AND HAVE BOTH A U.L. LABEL AND NSF LABEL. SEE DETAIL # 11/03 ON SHEET A-11 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.



101 FLOOR PLAN

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

KITCHEN & SERVICE AREA

DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N.C.

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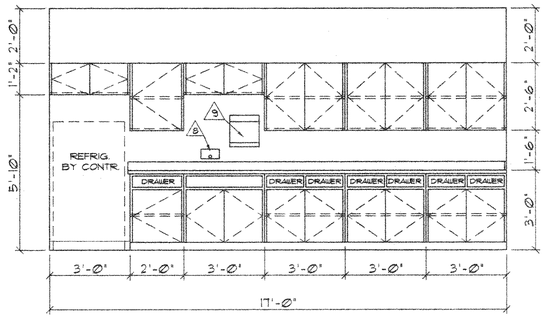
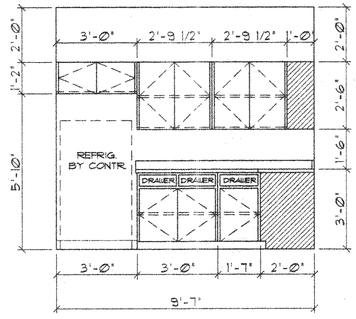
Cabarrus, North Carolina

70-BED FACILITY

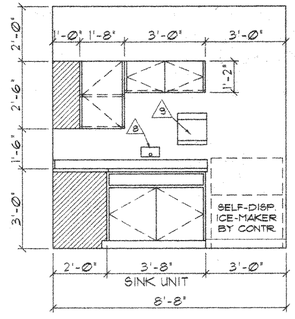
A 7



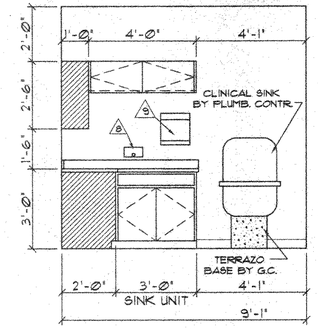
801 **ELEVATION** MED. PREP. # 58
SCALE: 3/8" = 1'-0"



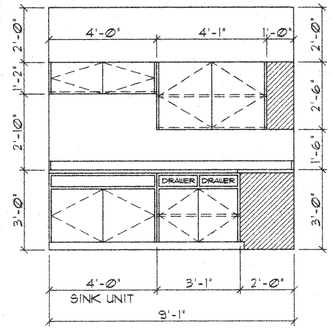
802 **ELEVATION** NOUR. STATION # 41
SCALE: 3/8" = 1'-0"



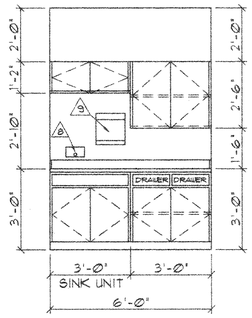
803 **ELEVATION** NOUR. STATION # 41
SCALE: 3/8" = 1'-0"



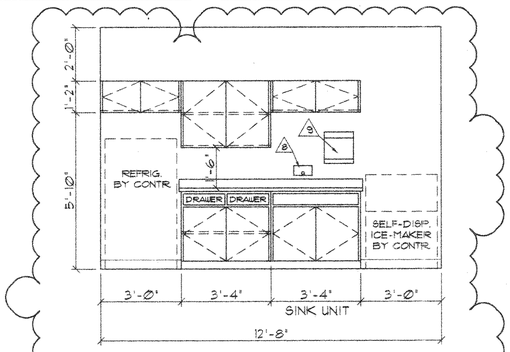
804 **ELEVATION** SOIL UTIL. # 57
SCALE: 3/8" = 1'-0"



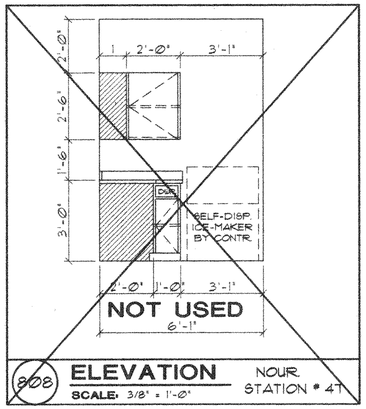
805 **ELEVATION** SOIL UTIL. # 57
SCALE: 3/8" = 1'-0"



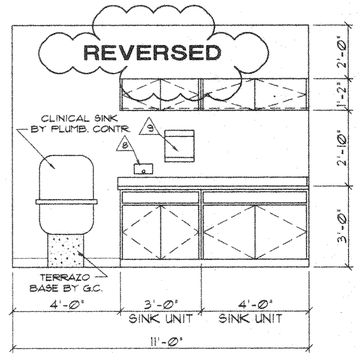
806 **ELEVATION** CLEAN UTIL. # 55
SCALE: 3/8" = 1'-0"



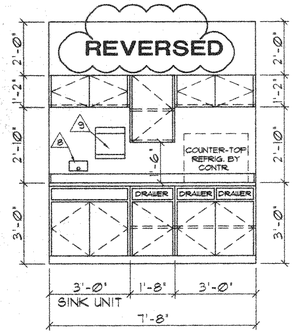
807 **ELEVATION** NOUR. STATION # 47
SCALE: 3/8" = 1'-0"



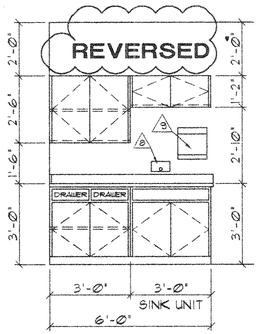
808 **ELEVATION** NOUR. STATION # 47
SCALE: 3/8" = 1'-0"



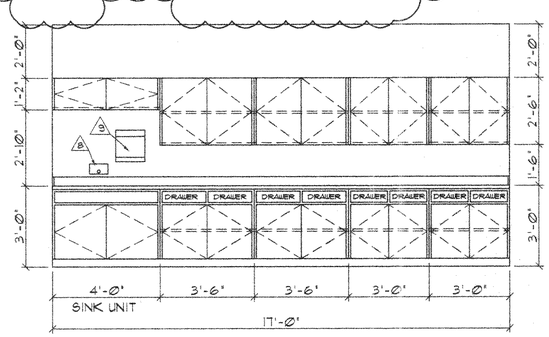
809 **ELEVATION** SOIL UTIL. # 45
SCALE: 3/8" = 1'-0"



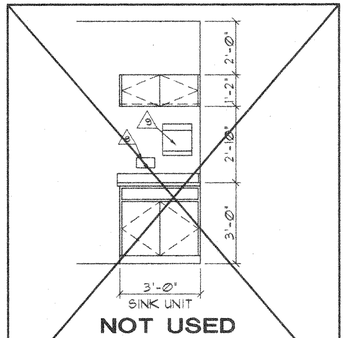
810 **ELEVATION** MED. PREP. # 48
SCALE: 3/8" = 1'-0"



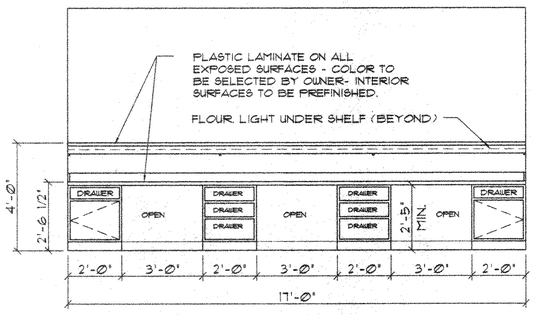
811 **ELEVATION** CLEAN UTIL./ CLEAN LINEN # 49
SCALE: 3/8" = 1'-0"



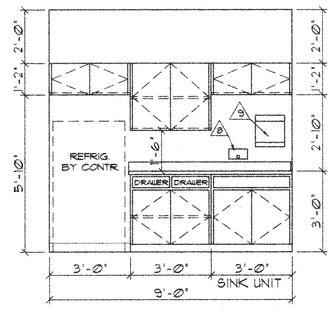
812 **ELEVATION** RECREATION ROOM # 61
SCALE: 3/8" = 1'-0"



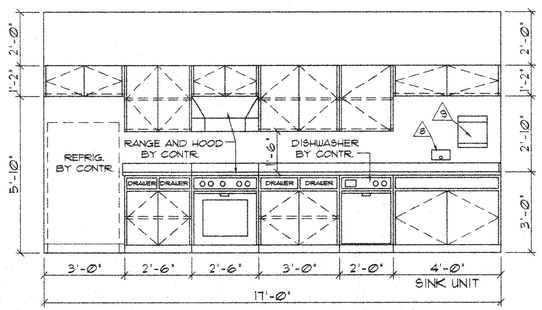
813 **ELEVATION** SPEECH THER. # 14
SCALE: 3/8" = 1'-0"



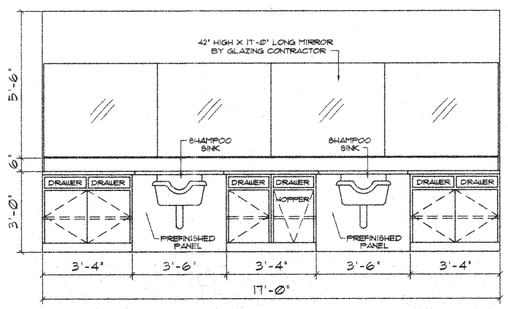
814 **ELEVATION** CHARTING AREA # 15
SCALE: 3/8" = 1'-0"



815 **ELEVATION** STAFF # 29
SCALE: 3/8"=1'-0"



816 **ELEVATION** OCCUP. THER # 17
SCALE: 3/8" = 1'-0"



817 **ELEVATION** BEAUTY SALON # 18
SCALE: 3/8"=1'-0"

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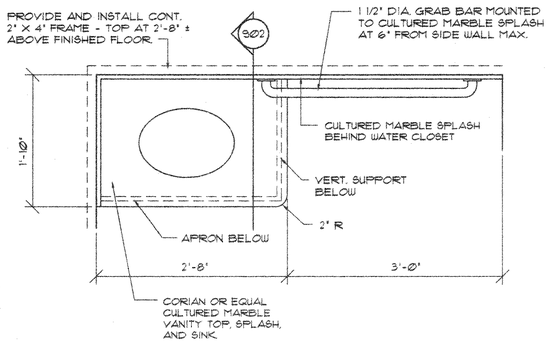
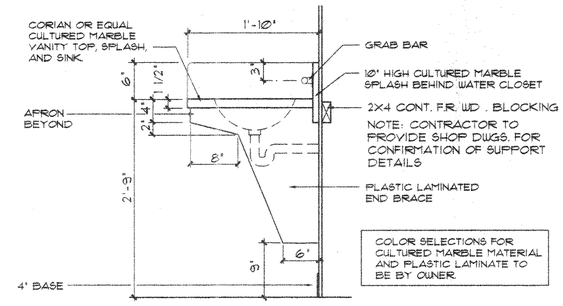
REVISED - 8-5-00 PER OWNER CHANGES

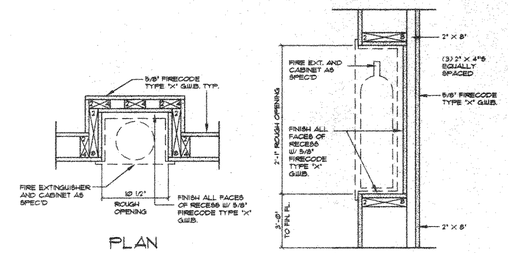
A 8



901 **DETAIL** TYP. PATIENT TOILET ROOM VANITY PLAN
SCALE: N.T.S.



902 **DETAIL** TYPICAL PATIENT TOILET ROOM VANITY SECTION
SCALE: 1" = 1'-0"



FIRE EXTINGUISERS SHALL BE:

TYPE 'A':
POTTER ROEMER 3010
10 LB. 4A:60 B:C
CLASS A B C FIRES
ABC MULTI-PURPOSE DRY CHEMICAL

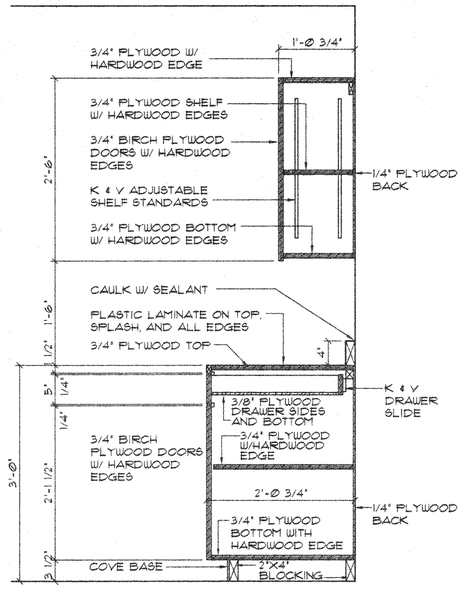
TYPE 'B':
POTTER ROEMER 3320
20 LB. BC 120 B:C
CLASS B C FIRES
BC DRY CHEMICAL

TYPE 'C':
SAME AS TYPE 'A' EXCEPT NOT RECESSED

CABINETS:
POTTER ROEMER 7020 A
OPENING SIZE 10" X 25" X 5 1/8"

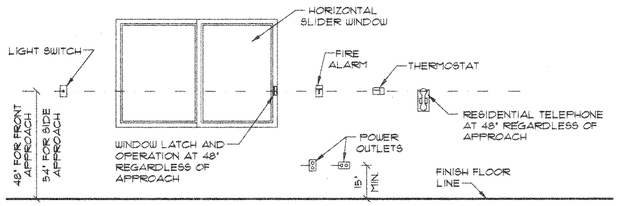
903 **DETAIL** TYPICAL FIRE EXT. CABINET
SCALE: 1" = 1'-0"

THE CONTRACTOR MAY SUBSTITUTE STOCK UNITS AS APPROVED BY THE ARCHITECT.

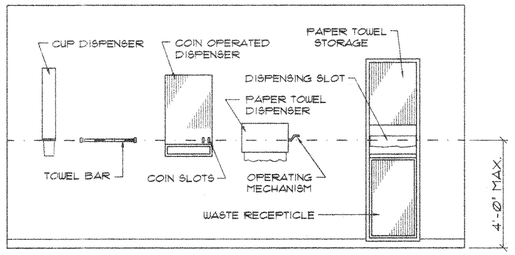


NOTE: CONTRACT TO VERIFY COLOR OF PLASTIC LAMINATE WITH OWNER PRIOR TO FABRICATION OF CABINETS.

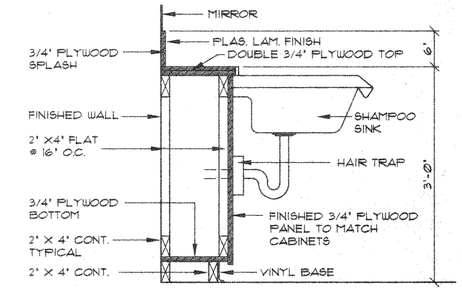
907 **DETAIL** TYPICAL CABINETS
SCALE: 1" = 1'-0"



904 **DETAIL** MOUNTING HEIGHT REQUIREMENTS
SCALE: N.T.S.

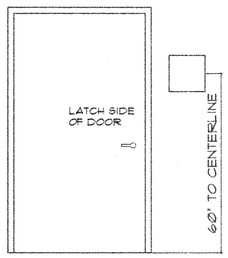


905 **ELEVATION** MOUNTING HEIGHTS- TOWEL BARS, DISPENSERS, DISPOSALS, ETC.
SCALE: 3/8"=1'-0"



906 **DETAIL** CABINETS @ BEAUTY SHOP SINK
SCALE: 1" = 1'-0"

SIGNAGE TO BE PROVIDED & INSTALLED BY OWNER.



NOTES:
CHARACTER PROPORTIONS:
WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 3:5 & 1:1. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10

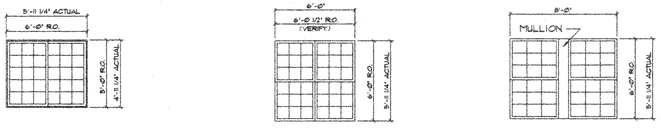
CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL BE 3".

RAISED & BRAILLED CHARACTERS & PICTORAL SYMBOL SIGNS (PICTOGRAMS): RAISED 1/32" MIN, UPPER CASE, SANS SERIF OR SIMPLE SERIF ACCOMPANIED W/ GRADE 2 BRAILLE. RAISED CHARACTERS AT LEAST 5/8" HIGH, NO HIGHER THAN 2". PICTO. ACCOMPANIED BY EQUIVALENT DESCRIPTION DIRECTLY BELOW PICTOGRAM. BORDER DIMENSION 6" MIN. HT.

FINISH & CONTRAST: CHARACTERS & BACKGROUND EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH SHALL CONTRAST WITH BACKGROUND A EITHER LIGHT ON DARK OR DARK ON LIGHT.

MOUNTING LOCATION & HEIGHT: PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ADJACENT TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE, SO THAT PERSON MAY APPROACH WITH 3" OF SIGNAGE WITHOUT PROTRUSIONS OR SWING OF DOOR.

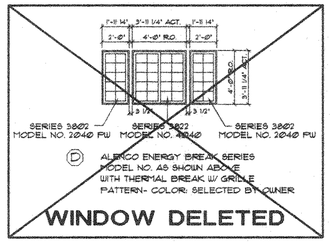
908 **DETAIL** SIGNAGE LOCATION
SCALE: 1/2" = 1'-0"



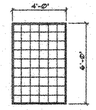
Ⓐ ALENCO ENERGY BREAK SERIES 3822 MODEL NO. 6030 - ALUM. HORIZ. SLIDER WITH THERMAL BREAK W/ GRILLE PATTERN- COLOR: SELECTED BY OWNER

Ⓑ ALENCO ENERGY BREAK SERIES 3810 MODEL NO. 3060 (2) - SINGLE HUNG WITH THERMAL BREAK W/ GRILLE PATTERN- COLOR: SELECTED BY OWNER

Ⓒ ALENCO ENERGY BREAK SERIES 3810 MODEL NO. 3060 (2) - SINGLE HUNG WITH THERMAL BREAK W/ GRILLE PATTERN- COLOR: SELECTED BY OWNER



Ⓓ ALENCO ENERGY BREAK SERIES MODEL NO. AS SHOWN ABOVE WITH THERMAL BREAK W/ GRILLE PATTERN- COLOR: SELECTED BY OWNER



Ⓔ REGULAR SERIES GLASS BLOCK IN 2" BRUSHED ALUM. FRAME. BLOCK NOM. SIZE : 8" X 8" X 3 7/8" PATTERN : ESSEX AA

GLASS BLOCK TO BE BY PITTSBURGH CORNING OR EQUAL AS APPROVED BY THE ARCHITECT. GLASS BLOCK TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.

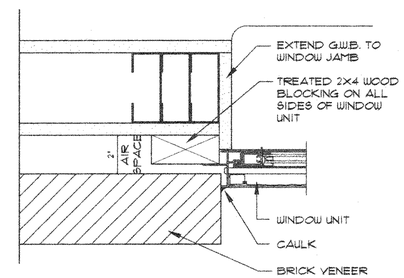
Ⓕ ALENCO FULL CIRCLE W/ 9 LITE GRILLE PATTERN LOCATED AT GABLE ENDS AS SHOWN ON ELEVATIONS

NOTES:
ALL WINDOW UNITS TO BE COMPLETE, INCLUDING FLASHING, INSULATING GLASS, OPERABLE HARDWARE, GRILLE PATTERN AND INSECT SCREENS FOR OPERABLE UNITS.

WINDOW UNITS 'B' AND 'C' ARE TO HAVE TEMPERED SAFETY GLAZING

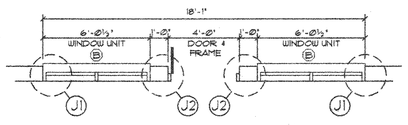
NOTE: ALL WINDOWS TO BE OPERABLE WITH AN OPEN AREA NOT LESS THAN ONE-HALF THE REQUIRED WINDOW AREA.

909 **DETAIL** WINDOW SCHEDULE
SCALE: 3/16" = 1'-0"

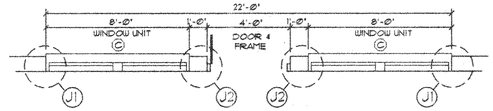


910 **DETAIL** JAMB AT HORIZONTAL SLIDER WINDOW UNIT
SCALE: N.T.S.

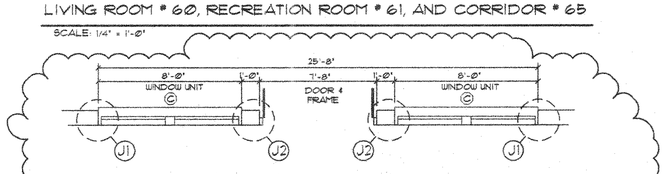
NOTE: VERIFY DOOR SWINGS SHOWN WITH 1/8" SCALE FLOORPLANS.



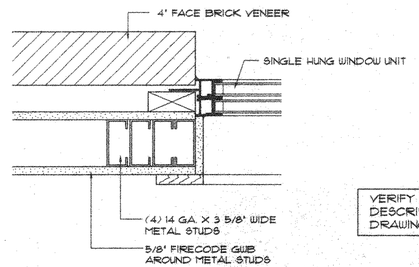
DINING ROOM # 20
SCALE: 1/4" = 1'-0"



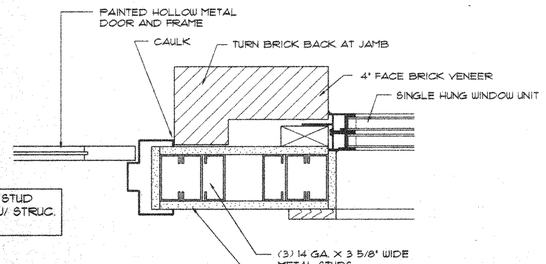
LIVING ROOM # 60, RECREATION ROOM # 61, AND CORRIDOR # 65
SCALE: 1/4" = 1'-0"



LIVING / DINING ROOM # 52
SCALE: 1/4" = 1'-0"



J1 JAMB DETAIL
SCALE: N.T.S.



J2 JAMB DETAIL
SCALE: N.T.S.

911 **PLANS AND DETAILS** WINDOW WALL FRAMING
SCALE: AS SHOWN

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

10-BED FACILITY

REVISED : 8-5-00 PER OWNER CHANGES

A 9

ROOM FINISH SCHEDULE

NOTES:
1. ALL GWB. TO 5/8" FIRECODE.
2. ALL MR GWB. TO BE PAINTED.
3. ALL CERAMIC TILE GWB. BACK-UP TO BE WONDER BD.
4. ALL CERAMIC TILE TO BE THIN SET.
5. ALL CER. TILE SHOWERS TO HAVE COMPOSITE PANS.
6. ALL BASE TO HAVE FACTORY MADE CORNERS.
7. RECESS SLABS 2" FOR CERAMIC AND QUARRY TILE.

NO.	ROOM	FLOOR: VINYL TILE	FLOOR: CARPET	FLOOR: CERAMIC TILE	FLOOR: QUARRY TILE	FLOOR: SHEET VINYL	FLOOR: PERGO	FLOOR: SEALED CONC.	BASE: 4" VINYL COVE	BASE: CERAMIC TILE	BASE: QUARRY TILE	BASE: FACE BRICK	WALLS: PAINTED GWB.	WALLS: PAINTED MR GWB.	WALLS: 6'-0" CERAMIC TILE WAINSCOT	WALLS: VINYL WALLCOVERING ON BEDWALL	WALLS: VWC. ABOVE RAIL	WALLS: VWC. BELOW RAIL	WALLS: FULL HEIGHT CERAMIC TILE IN SHOWERS	WALLS: VINYL WALLCOVERING ON ALL WALLS	WALLS: R.F.P. PANELS	CEILING: PAINTED GWB.	CEILING: PAINTED MR GWB.	CEILING: TEXTURED GWB.	CEILING: PAINTED EXT. GWB.	CEILING HEIGHT	REMARKS
1	LOBBY		●						●											●		●				VARIES	SLOPED CEILING IN LOBBY, SEE DETAIL # 1606 ON SHT. A-16.
2	BUSINESS OFFICE		●						●											●		●				9'-0"	
3	ADMIS. OFFICE		●						●											●		●				9'-0"	
4	~~ADMIN. OFFICE~~		●						●											●		●				~~9'-0"~~	ROOM DELETED
5	SOCIAL WORKER		●						●											●		●				9'-0"	
6	MED. RECORDS		●						●											●		●				9'-0"	
7	ADMIN. OFFICE		●						●											●		●				9'-0"	
8	CONF./TRAINING		●						●											●		●				9'-0"	
9	WOMEN			●						●										●			●				9'-0"	EPOXY PAINT
10	D.O.N. OFFICE		●						●											●		●				9'-0"	
11	MEN			●						●										●			●				9'-0"	EPOXY PAINT
12	PHONE ROOM		●						●											●		●				9'-0"	
13	JANITORS' CLOSET					●			●					●									●				9'-0"	EPOXY PAINT
14	PRIVATE DINING		●						●											●		●				9'-0"	
15	CHARTING	●							●				●									●				9'-0"	
16	PHYSICAL THERAPY	●							●				●									●				9'-0"	
17	OCCUP. THERAPY	●							●				●									●				9'-0"	
18	BEAUTY SALON	●							●											●		●				9'-0"	
19	CARE PLANNING		●						●											●		●				9'-0"	
20	DINING ROOM						●		●											●		●				VARIES	CEILING TRAY AS SHOWN ON PLAN. SEE DETAIL # 1609 ON SHT. A-16.
21	KITCHEN			●							●			●							●		●				9'-0"	EPOXY PAINT CEILING
22	DRY STORAGE			●							●			●									●				9'-0"	EPOXY PAINT
23	OFFICE			●							●			●									●				9'-0"	EPOXY PAINT
24	JANITORS' CLOSET			●							●			●									●				9'-0"	EPOXY PAINT
25	TOILET			●							●			●									●				9'-0"	EPOXY PAINT
26	VESTIBULE			●							●			●									●				9'-0"	EPOXY PAINT
27	HOUSE-KEEPING	●							●				●									●				9'-0"	
28	TOILET					●			●					●									●				9'-0"	EPOXY PAINT
29	STAFF	●							●				●									●				9'-0"	
30	ELEC. EQUIP.							●	●				●									●				9'-0"	
31	MECH. EQUIP.							●	●				●									●				9'-0"	
32	JANITORS' CLOSET					●			●					●									●				9'-0"	EPOXY PAINT
33	LAUNDRY	●							●					●									●				9'-0"	EPOXY PAINT
34	SOIL LINEN	●							●					●									●				9'-0"	EPOXY PAINT
35	CLEAN LINEN	●							●					●									●				9'-0"	EPOXY PAINT
36	SOIL LINEN	●							●				●										●				9'-0"	
37	CLEAN LINEN	●							●				●										●				9'-0"	
38	BATH			●						●				●	●				●				●				9'-0"	EPOXY PAINT
38A	TOILET			●						●				●	●				●				●				9'-0"	EPOXY PAINT
39	SUPPLY STORAGE	●							●				●										●				9'-0"	
40	EQUIP. STORAGE	●							●				●										●				9'-0"	
41	NOUR. STATION	●							●												●		●				9'-0"	
42	CHARTING	●							●				●										●				9'-0"	
43	NURSES' STATION	●							●														●				9'-0"	WOOD BASE @ COUNTER
44	JANITORS' CLOSET					●			●					●									●				9'-0"	EPOXY PAINT
45	SOIL UTILITY					●			●					●									●				9'-0"	EPOXY PAINT
46	SOIL LINEN	●							●				●										●				9'-0"	
47	NOUR. STATION	●							●												●		●				9'-0"	
47A	NOUR. SEATING	●							●												●		●				9'-0"	
48	MED. PREP.	●							●				●										●				9'-0"	
49	CLN. UTIL./ CLN. LINEN	●							●				●										●				9'-0"	
50	TOILET					●			●					●									●				9'-0"	EPOXY PAINT
51	NURSES' STATION	●							●												●		●				9'-0"	
52	LIVING/ DINING ROOM	●							●												●		●				9'-0"	
53	BATH																											
53A	TOILET																											
54	TOILET					●			●					●									●				9'-0"	EPOXY PAINT
55	CLEAN UTILITY	●							●				●										●				9'-0"	
55A	CLEAN LINEN	●							●				●										●				9'-0"	
56	SOIL LINEN	●							●				●										●				9'-0"	
57	SOIL UTILITY					●			●					●									●				9'-0"	EPOXY PAINT
58	MED. PREP.	●							●				●										●				9'-0"	
59	JANITORS' CLOSET					●			●					●									●				9'-0"	EPOXY PAINT
60	LIVING ROOM				●				●												●		●				9'-0"	
61	RECREATION ROOM	●							●												●		●				9'-0"	
62	CORRIDOR	●							●												●		●				9'-0"	
63	CORRIDOR	●							●												●		●				9'-0"	
64	CORRIDOR	●							●												●		●				9'-0"	
65	CORRIDOR	●							●												●		●				9'-0"	
66	PORCH						●					●										●					9'-0"	
67	PORCH						●					●										●					9'-0"	
68	PORCH						●					●										●					9'-0"	
69	DROP-OFF CANOPY						●					●										●					VERIFY	10'-0" MIN. TO BOTTOM OF BEAM FRAMING. SEE STRUCTURAL DRAWINGS.
70	PORCH						●					●										●					9'-0"	

SPECIAL FINISHES NOTES:

1. CONTRACTOR TO VERIFY ALL PAINT COLORS AND VINYL WALLCOVERING PATTERNS WITH OWNER PRIOR TO PAINTING AND INSTALLATION.
2. CONTRACTOR TO INSTALL CHAIR RAIL AND CROWN MOLDING IN LOBBY # 1, DINING ROOM # 20, PVT. DINING # 7, AND NOURISHMENT STATIONS # 41 AND # 47. PROFILES TO BE APPROVED BY OWNER.
3. CONTRACTOR TO INSTALL VINYL WALLCOVER BORDERS IN LOBBY # 1, DINING ROOM # 20, PVT. DINING # 7, AND NOURISHMENT STATIONS # 41 AND # 47.
4. CONTRACTOR TO INSTALL CERAMIC TILE STRIPE AT THE CERAMIC TILE WAINSCOT AND CERAMIC TILE SHOWERS IN THE COMMON BATHS # 38, # 53 AND TOILET # 38A. LOCATION AND COLOR TO BE SELECTED BY OWNER.
5. SEE SPECIFICATIONS FOR QUANTITIES AND TYPES OF CORNER GAURDS AND WHEELCHAIR BUMPERS REQUIRED.

ROOM FINISH SCHEDULE

NOTES:
1. ALL GWB. TO 5/8" FIRECODE.
2. ALL MR GWB. TO BE PAINTED.
3. ALL CERAMIC TILE GWB. BACK-UP TO BE WONDER BD.
4. ALL CERAMIC TILE TO BE THIN SET.
5. ALL CER. TILE SHOWERS TO HAVE COMPOSITE PANS.
6. ALL BASE TO HAVE FACTORY MADE CORNERS.
7. RECESS SLABS 2" FOR CERAMIC AND QUARRY TILE.

NO.	ROOM	FLOOR: VINYL TILE	FLOOR: CARPET	FLOOR: CERAMIC TILE	FLOOR: QUARRY TILE	FLOOR: SHEET VINYL	FLOOR: SEALED CONC.	BASE: 4" VINYL COVE	BASE: CERAMIC TILE	BASE: QUARRY TILE	BASE: FACE BRICK	WALLS: PAINTED GWB.	WALLS: PAINTED MR GWB.	WALLS: 6'-0" CERAMIC TILE WAINSCOT	WALLS: VINYL WALLCOVERING ON BEDWALL	WALLS: VWC. ABOVE RAIL	WALLS: VWC. BELOW RAIL	WALLS: FULL HEIGHT CERAMIC TILE IN SHOWERS	WALLS: VINYL WALLCOVERING ON ALL WALLS	WALLS: R.F.P. PANELS	CEILING: PAINTED GWB.	CEILING: PAINTED MR GWB.	CEILING: TEXTURED GWB.	CEILING: PAINTED EXT. GWB.	CEILING HEIGHT	REMARKS
71	CAN WASH						●				●														●	9'-0"	
101	BEDROOM	●						●				●										●				9'-0"	
102	BEDROOM	●						●				●										●				9'-0"	
103	BEDROOM	●						●				●										●				9'-0"	
104	BEDROOM	●						●				●										●				9'-0"	
105	BEDROOM	●						●				●										●				9'-0"	
106	BEDROOM	●						●				●										●				9'-0"	
107	BEDROOM	●						●				●										●				9'-0"	
108	BEDROOM	●						●				●										●				9'-0"	
109	BEDROOM	●						●				●										●				9'-0"	
110	BEDROOM	●						●				●										●				9'-0"	
111	BEDROOM	●						●				●										●				9'-0"	
112	BEDROOM	●						●				●										●				9'-0"	
113	TOILET			●					●				●										●			9'-0"	
114	TOILET			●					●				●										●			9'-0"	
115	TOILET			●					●				●										●			9'-0"	
116	TOILET			●					●				●										●			9'-0"	
117	TOILET			●					●				●										●			9'-0"	
118	TOILET			●					●				●										●			9'-0"	
119	TOILET			●					●				●										●			9'-0"	
120	TOILET			●					●				●										●			9'-0"	
121	TOILET			●					●				●										●			9'-0"	
122	TOILET			●					●				●										●			9'-0"	
123	TOILET			●					●				●										●			9'-0"	
124	TOILET			●					●				●										●			9'-0"	
125	CORRIDOR	●						●									●					●				VARIES	CEILING TRAY AS SHOWN ON PLAN. SEE DETAIL # 1609 ON SHT. A-16.
201	BEDROOM	●						●				●										●				9'-0"	
202	BEDROOM	●						●				●										●				9'-0"	
203	BEDROOM	●						●				●										●				9'-0"	
204	BEDROOM	●						●				●										●				9'-0"	
205	BEDROOM	●						●				●										●				9'-0"	
206	BEDROOM	●						●				●										●				9'-0"	
207	BEDROOM	●						●				●										●				9'-0"	
208	BEDROOM	●						●				●										●				9'-0"	
209	BEDROOM	●						●				●										●				9'-0"	
210	BEDROOM	●						●				●										●				9'-0"	
211	TOILET			●					●				●										●			9'-0"	
212	TOILET			●					●				●										●			9'-0"	
213	TOILET			●					●				●										●			9'-0"	
214	TOILET			●					●				●										●			9'-0"	
215	TOILET			●					●				●										●			9'-0"	
216	TOILET			●					●				●										●			9'-0"	
217	TOILET			●					●				●										●			9'-0"	
218	TOILET			●					●				●										●			9'-0"	
219	TOILET			●					●				●										●			9'-0"	
220	TOILET			●					●				●										●			9'-0"	
221	CORRIDOR	●						●									●					●				VARIES	CEILING TRAY AS SHOWN ON PLAN. SEE DETAIL # 1609 ON SHT. A-16.
222	VESTIBULE	●						●									●					●				9'-0"	
301	BEDROOM	●						●				●										●				9'-0"	
302	BEDROOM	●						●				●										●				9'-0"	
303	BEDROOM	●						●				●										●				9'-0"	
304	BEDROOM	●						●				●										●				9'-0"	
305	BEDROOM	●						●				●										●				9'-0"	
306	BEDROOM	●						●				●										●				9'-0"	
307	BEDROOM	●						●				●										●				9'-0"	
308	BEDROOM	●						●				●										●				9'-0"	
309	BEDROOM	●						●				●										●				9'-0"	
310	BEDROOM	●						●				●										●				9'-0"	
311	BEDROOM	●						●				●										●				9'-0"	
312	BEDROOM	●						●				●										●				9'-0"	
313	BEDROOM	●						●				●										●				9'-0"	
314	BEDROOM	●						●				●										●				9'-0"	
315	BEDROOM	●						●				●										●				9'-0"	
316	TOILET			●					●				●										●			9'-0"	
317	TOILET			●					●				●										●			9'-0"	
318	TOILET			●					●				●										●			9'-0"	
319	TOILET			●					●				●										●			9'-0"	
320	TOILET			●					●				●										●			9'-0"	
321	TOILET			●					●				●										●			9'-0"	
322	TOILET			●					●				●										●			9'-0"	
323	TOILET			●					●				●										●			9'-0"	
324	TOILET			●					●				●										●			9'-0"	
325	TOILET			●					●				●										●			9'-0"	
326	TOILET			●					●				●										●			9'-0"	
327	TOILET			●					●				●										●			9'-0"	
328	TOILET			●					●				●										●			9'-0"	
329	TOILET			●					●				●										●			9'-0"	
330	TOILET			●					●				●										●			9'-0"	
331	CORRIDOR	●						●									●					●				9'-0"	

CABARRUS COUNTY
NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

70-BED
FACILITY

REVISED : 8-5-02 PER OWNER CHANGES

A
10

DOOR AND FRAME SCHEDULE

DOOR NO.	SIZE	MATERIAL	TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	TYPE	HARDWARE SET	REMARKS
1	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	C	WHITE ALUM. FINISH
2	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
3	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
4	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	C	WHITE ALUM. FINISH
5	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
6	6'-0" x 7'-0"	HUM	3	——	HUM	——	2	E	FOAM CORE INSULATED
7	3'-0" x 7'-0"	HUM	2	——	HUM	——	2	O	FOAM CORE INSULATED
8	6'-0" x 7'-0"	HUM	3	——	HUM	——	2	E	FOAM CORE INSULATED
9	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	C	WHITE ALUM. FINISH
10	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
11	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
12	7'-4" x 7'-0"	ALUM.	6	——	ALUM.	——	2	C	WHITE ALUM. FINISH
13	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	3	C	WHITE ALUM. FINISH
14	7'-4" x 7'-0"	ALUM.	6	——	ALUM.	——	2	C	WHITE ALUM. FINISH
15	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	C	WHITE ALUM. FINISH
16	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	D	WHITE ALUM. FINISH
17	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	D	WHITE ALUM. FINISH
18	3'-8" x 7'-0"	ALUM.	1	——	ALUM.	——	2	D	WHITE ALUM. FINISH
19	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
20	7'-4" x 7'-0"	SCW	6	——	HUM	——	1	N	
21	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
22	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
23	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
24	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
25	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
26	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
27	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
28	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
29	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
30	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
31	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
32	7'-4" x 7'-0"	SCW	8	——	HUM	——	1	N	
33	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
34	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	DOOR DELETED
35	3'-8" x 7'-0"	SCW	7	——	HUM	——	4	J	
36	3'-8" x 7'-0"	SCW	7	——	HUM	——	4	J	
37	3'-8" x 7'-0"	SCW	4	C	HUM	C	1	J	
38	3'-8" x 7'-0"	SCW	4	C	HUM	C	1	J	
39	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
40	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
41	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
42	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
43	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	L	
44	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
45	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
46	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
47	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
48	2'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
49	2'-0" x 7'-0"	HUM	2	——	HUM	——	1	O	FOAM CORE INSULATED
50	4'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
51	4'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
52	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
53	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
54	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	K	
55	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
56	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
57	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
58	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
59	3'-0" x 7'-0"	SCW	1	——	HUM	——	1	J	
60	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
61	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
61A	3'-0" x 7'-0"	SCW	1	——	HUM	——	1	P	
62	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
63	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
64	3'-0" x 7'-0"	SCW	1	——	HUM	——	1	J	
65	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
66	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
67	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
68	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	K	
68A	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
69	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	L	
70	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
70A	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
71	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
72	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
73	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	J	
74	3'-0" x 7'-0"	SCW	2	C	HUM	C	1	J	
75	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
76	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
77	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
78	3'-8" x 7'-0"	SCW	7	——	HUM	——	1	J	
79	3'-0" x 7'-0"	SCW	7	——	HUM	——	1	J	
80	7'-4" x 7'-0"	SCW	5	20MIN	HUM	20MIN	1	F	DOUBLE EGRESS FRAME
81	7'-4" x 7'-0"	SCW	5	20MIN	HUM	20MIN	1	F	DOUBLE EGRESS FRAME

DOOR AND FRAME SCHEDULE

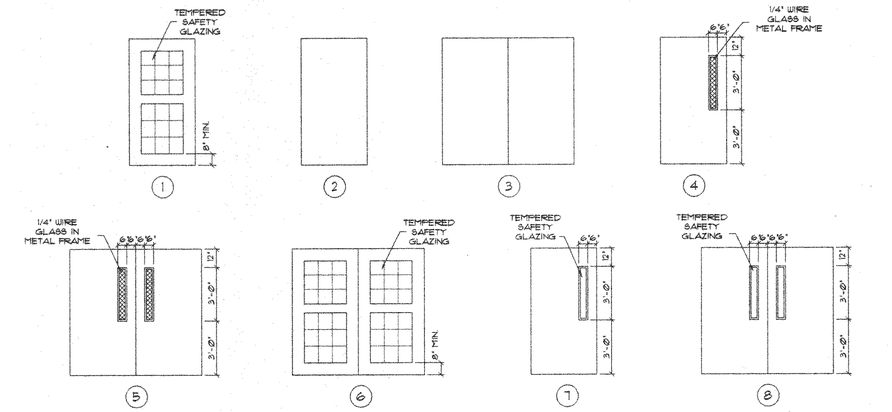
DOOR NO.	SIZE	MATERIAL	TYPE	DOOR LABEL	FRAME MATERIAL	FRAME LABEL	TYPE	HARDWARE SET	REMARKS
82	7'-4" x 7'-0"	SCW	5	20MIN	HUM	20MIN	1	F	DOUBLE EGRESS FRAME
83	7'-4" x 7'-0"	SCW	8	——	HUM	——	1	M	
101	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
102	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
103	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
104	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
105	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
106	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
107	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
108	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
109	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
110	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
111	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
112	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
113	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
114	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
115	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
116	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
117	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
118	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
119	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
120	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
121	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
122	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
123	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
124	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
201	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
202	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
203	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
204	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
205	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
206	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
207	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
208	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
209	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
210	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
211	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
212	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
213	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
214	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
215	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
216	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
217	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
218	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
219	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
220	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
301	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
302	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
303	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
304	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
305	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
306	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
307	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
308	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
309	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
310	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
311	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
312	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
313	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
314	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
315	3'-8" x 7'-0"	SCW	2	——	HUM	——	1	A	
316	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
317	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
318	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
319	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
320	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
321	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
322	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
323	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
324	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
325	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
326	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
327	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
328	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
329	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	
330	3'-0" x 7'-0"	SCW	2	——	HUM	——	1	B	

HARDWARE SCHEDULE

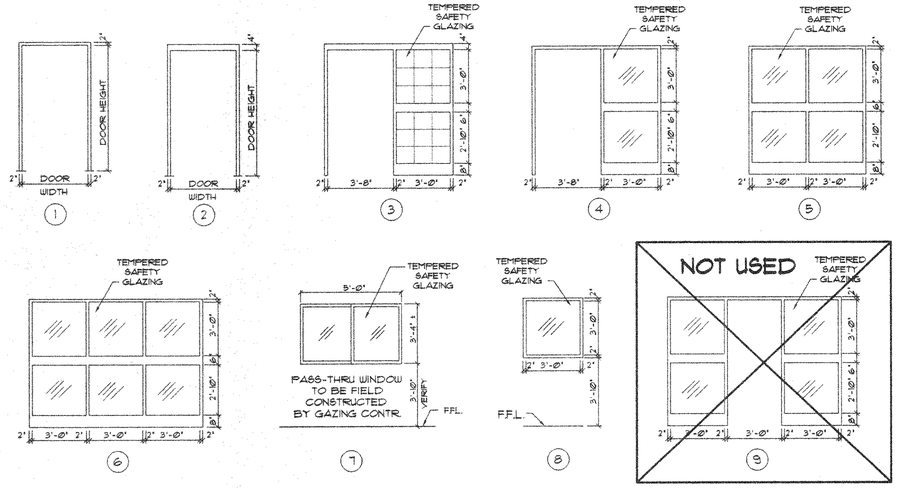
SET	ITEMS	SET	ITEMS
A	1,3,15,17,9, OR 21	L	1,4,8,9,15,17
B	1,3,12,15,17	M	1,7,8,11,13,15,25
C	1,8,10,14,18	N	1,8,3,11,13,24
D	1,3,8,14,18	O	1,22,14,18
E	1,22,14,16,18	P	1,11,19,8,9,17
F	1,7,8,11,13,15	Q	1,19,16,9
G	1,8,14,18,19	R	1,6,8,11,13,15
H	2,19,8,9,17	S	1,10,8,13,18
I	1,14,18,22	T	1,3,17
J	1,19,8,9,15,17	U	1,3,8,14,18
K	1,3,8,9,15,17		

LEGEND - HARDWARE SET

1) FULL MORTISE BALL BEARING HINGES
2) FULL MORTISE AVERAGE FREQUENCY HINGES
3) LEVER HANDLE PASSAGE LATCH
4) LEVER HANDLE PRIVACY LOCK
5) ORBIT KEYLOCK (OFFICE FUNCTION)
6) VERTICAL ROD EXIT DEVICE
7) PUSH-PULL SET
8) CLOSER
9) WALL MOUNTED DOOR BUMPER WITH ADEQUATE WOOD BLOCKING
10) UL LISTED EXIT DEVICE WITH EXTERIOR PULL AND KEYLOCK
11) ELECTRONIC HOLD-OPEN DEVICE TIED TO FIRE ALARM SYSTEM
12) SURFACE MOUNTED OVERHEAD DOOR STOP
13) METAL ASTRAGAL
14) ALUMINUM THRESHOLD
15) 16" HIGH KICK PLATE - VARYING WIDTH
16) STRIKE BOLTS
17) DOOR SILENCERS
18) WEATHER STRIPPING
19) LEVER HANDLE LOCKSET (OFFICE FUNCTION)
20) ORBIT KEYLOCK (STORAGE FUNCTION)
21) GJ RB4 ROLLER BUMPER
22) LEVER HANDLE LOCKSET (STORAGE FUNCTION) FALCON B-SERIES
23) AUTOMATIC FLUSH BOLTS
24) CLOSER COORDINATOR
25) MAGNETIC LOCK



DOOR TYPES



FRAME TYPES

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

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10-BED FACILITY

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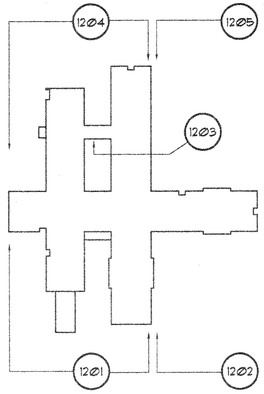
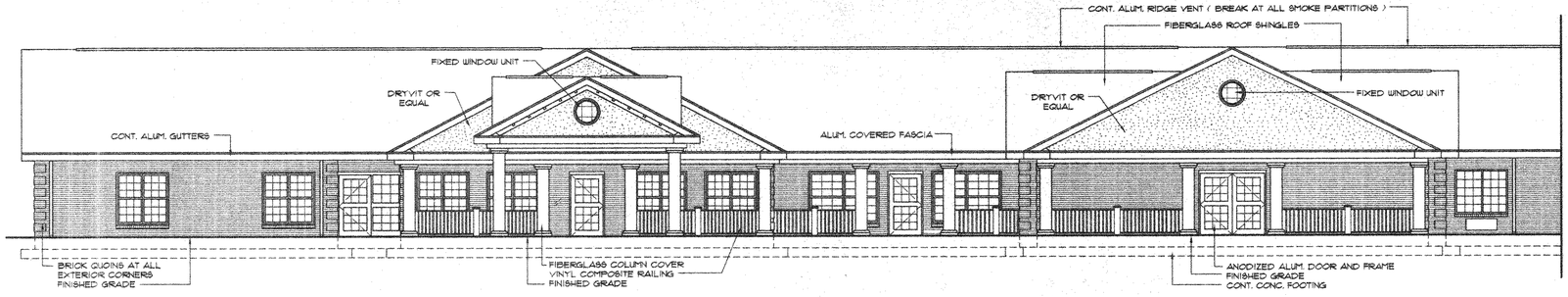
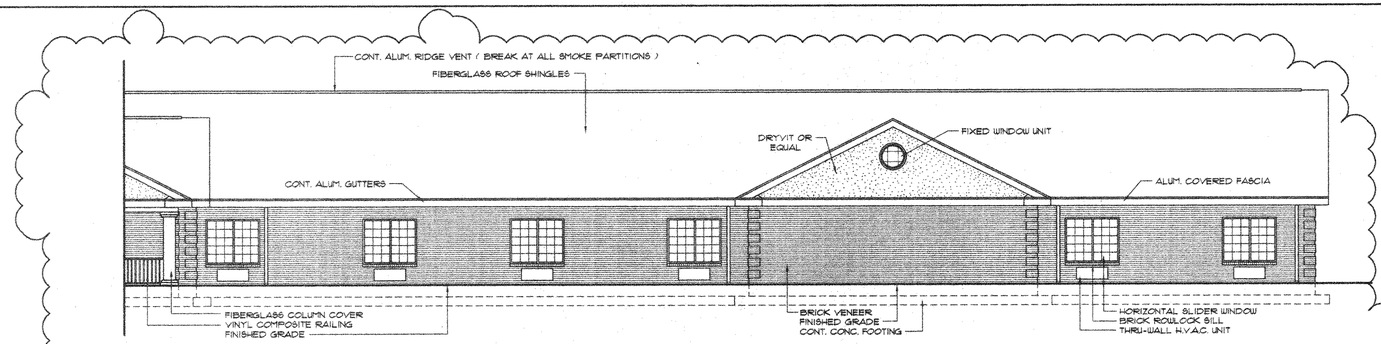
A 11



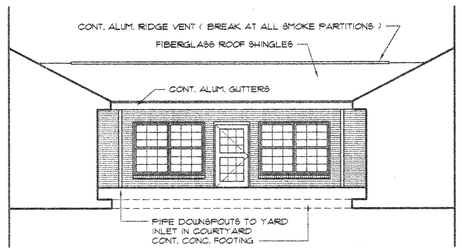
ELEVATION KEY



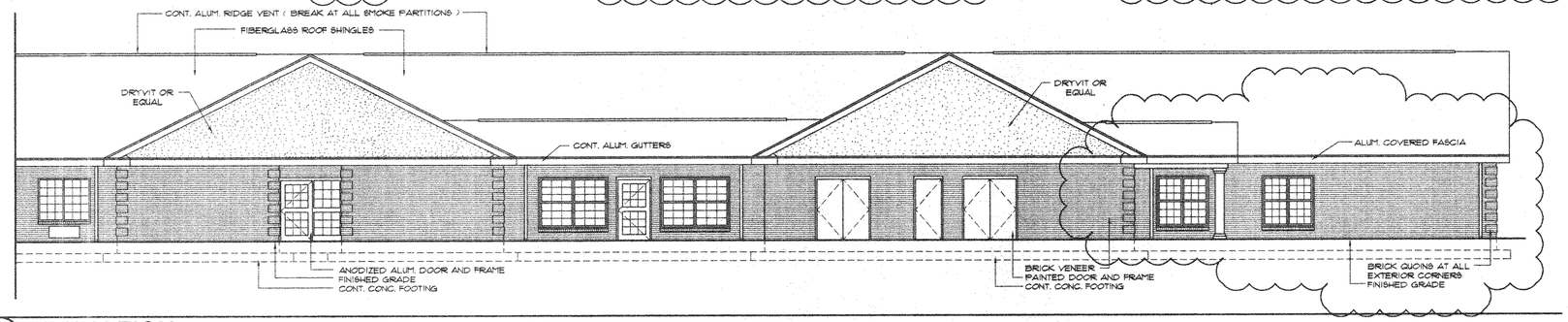
1201 **ELEVATION**
SCALE: 1/8" = 1'-0"



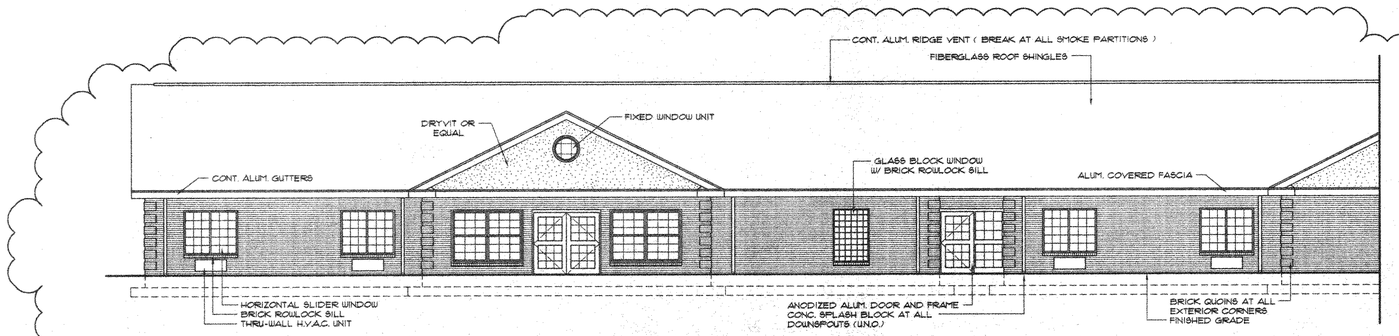
1202 **ELEVATION**
SCALE: 1/8" = 1'-0"



1203 **ELEVATION** SERVICE CORRIDOR AT COURTYARD
SCALE: 1/8" = 1'-0"



1204 **ELEVATION**
SCALE: 1/8" = 1'-0"



1205 **ELEVATION**
SCALE: 1/8" = 1'-0"

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Cabarrus, North Carolina

10-BED FACILITY

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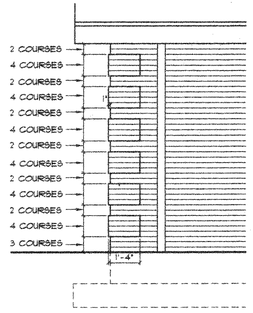
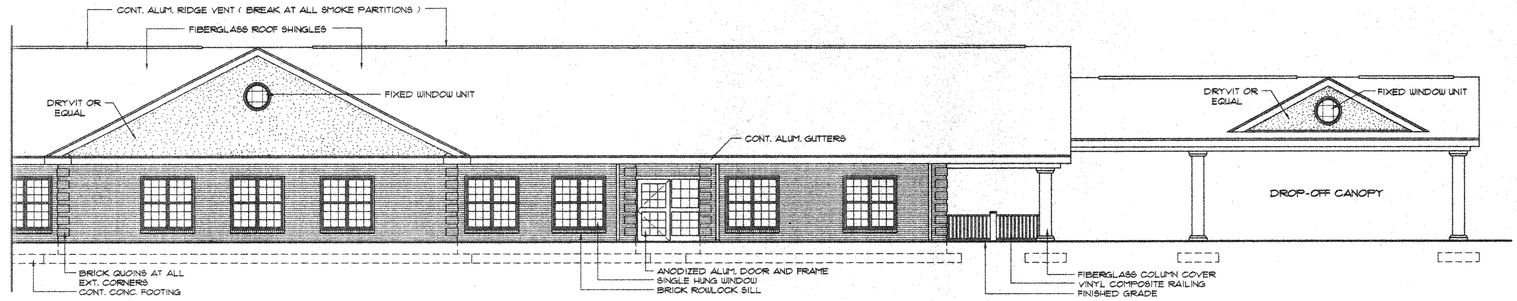
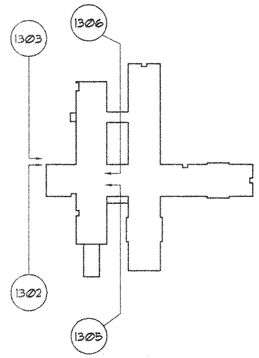
A 12



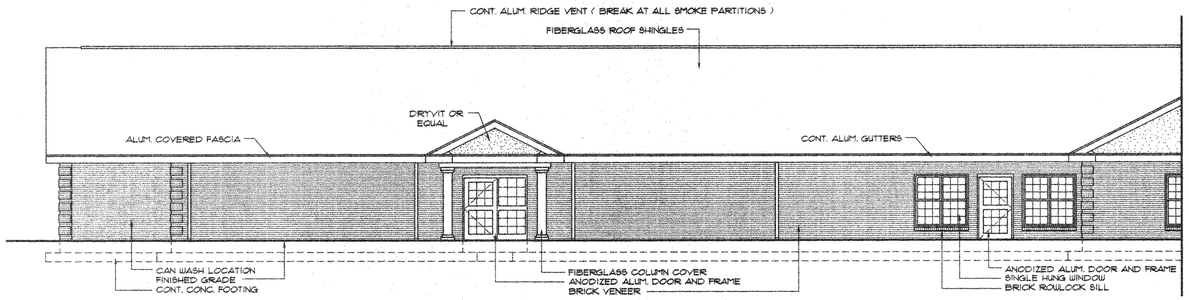
1301 DETAIL
SCALE: N.T.S. TYP. BRICK QUOINS



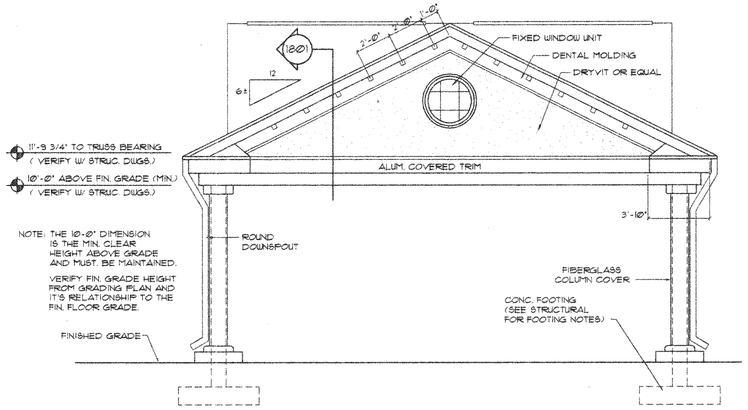
1302 ELEVATION
SCALE: 1/8" = 1'-0"



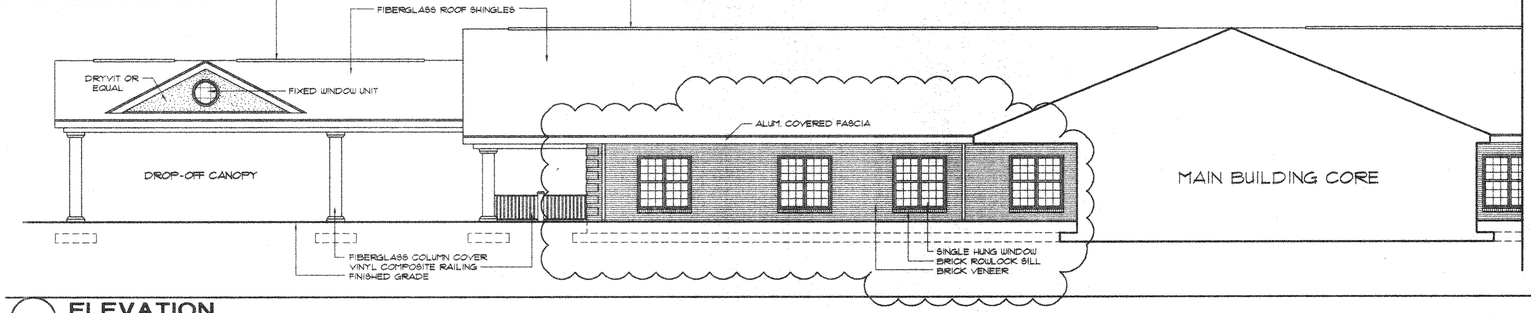
ELEVATION KEY



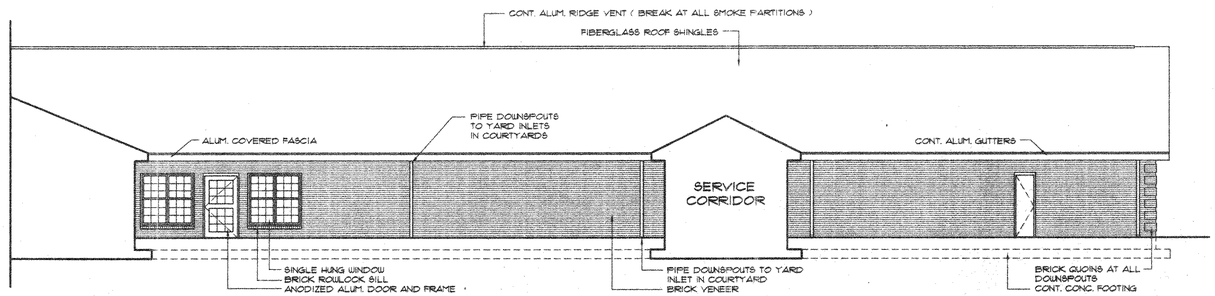
1303 ELEVATION
SCALE: 1/8" = 1'-0"



1304 ELEVATION
SCALE: N.T.S. DROP-OFF CANOPY DETAIL



1305 ELEVATION
SCALE: 1/8" = 1'-0"



1306 ELEVATION
SCALE: 1/8" = 1'-0"

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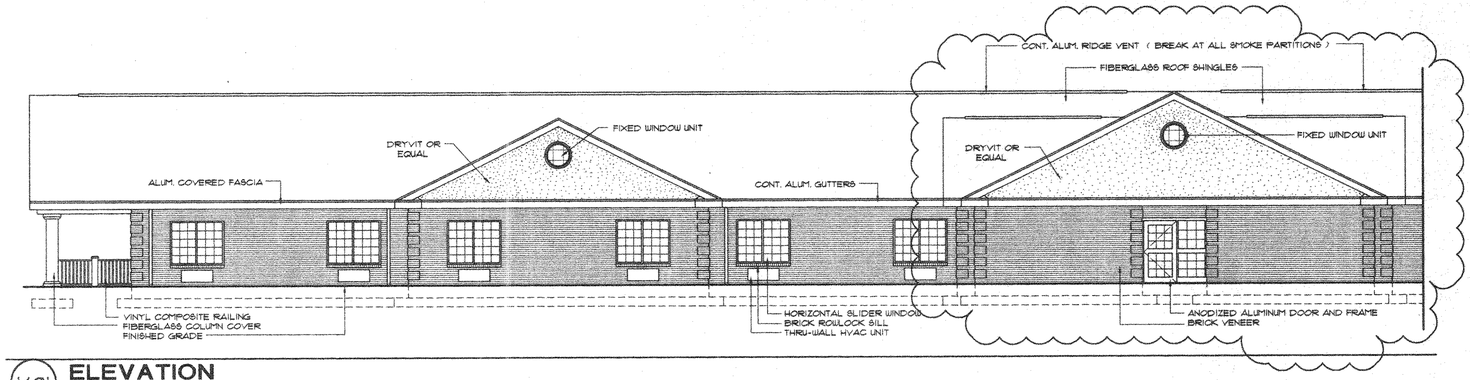
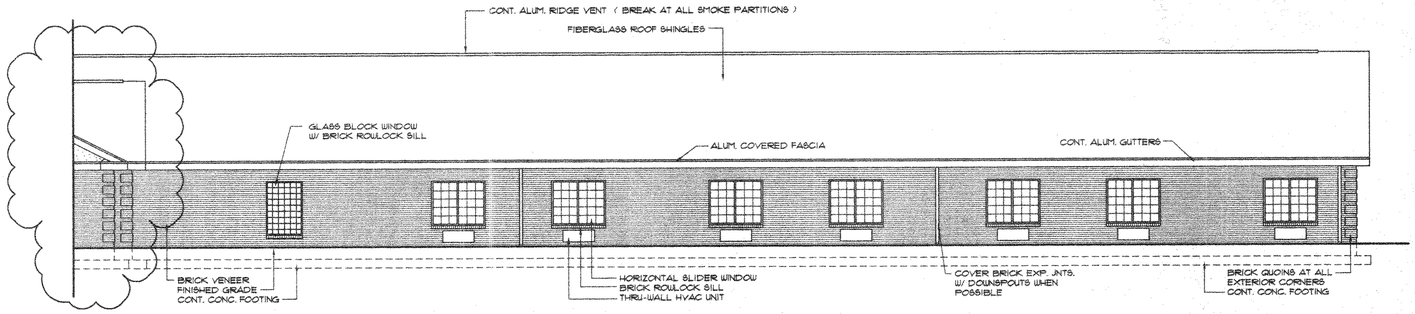


1401 **ELEVATION**
SCALE: 1/8" = 1'-0"



1402 **ELEVATION**
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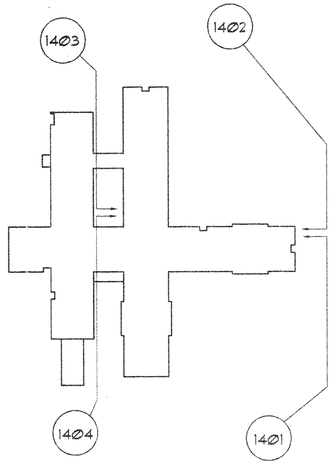
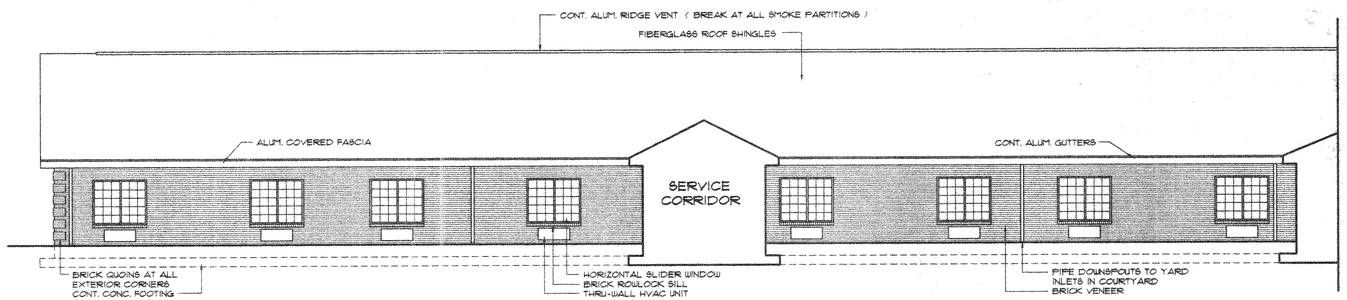


ELEVATION KEY



1403 **ELEVATION**
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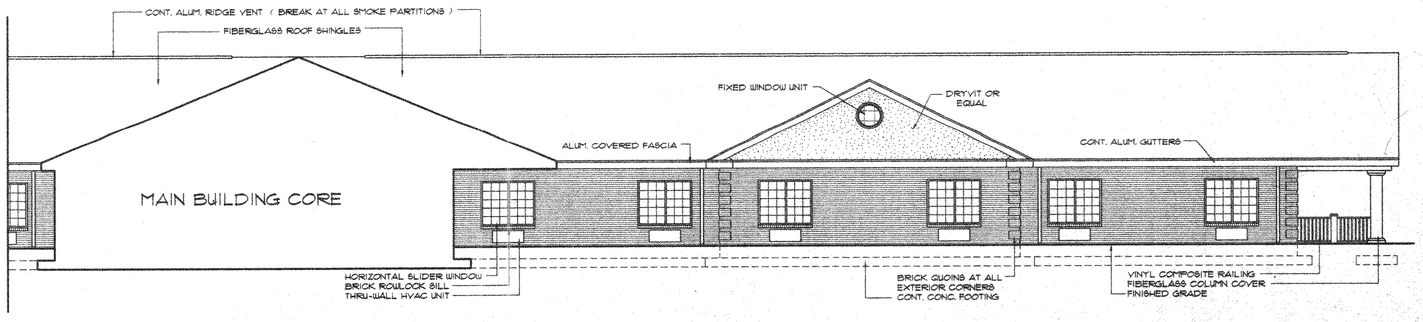

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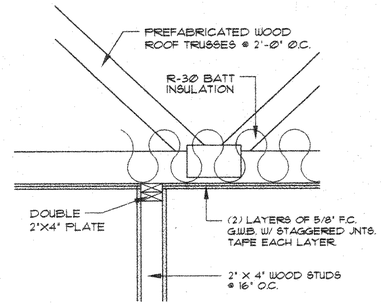
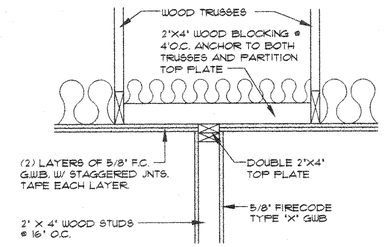
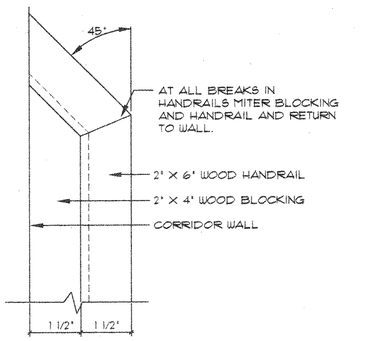


1405 **DETAIL** TYP. INTERIOR PARTITION PERPENDICULAR TO ROOF TRUSSES
SCALE: N.T.S.

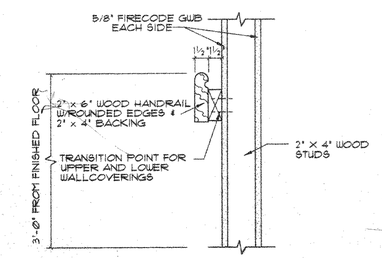


1406 **DETAIL** TYP. INTERIOR PARTITION PARALLEL TO ROOF TRUSSES
SCALE: N.T.S.



1407 **DETAIL** TYPICAL CORRIDOR HANDRAIL TURNBACK
SCALE: N.T.S

NOTE:
THE HANDRAILS SHALL COMPLY WITH 4.26 OF THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS. THE HANDRAILS AND FASTENERS MUST SUPPORT A SUSTAINED SHEAR AND TENSILE FORCE OF 250 POUNDS PER LINEAR FOOT.



1408 **DETAIL** TYPICAL CORRIDOR HANDRAIL
SCALE: N.T.S

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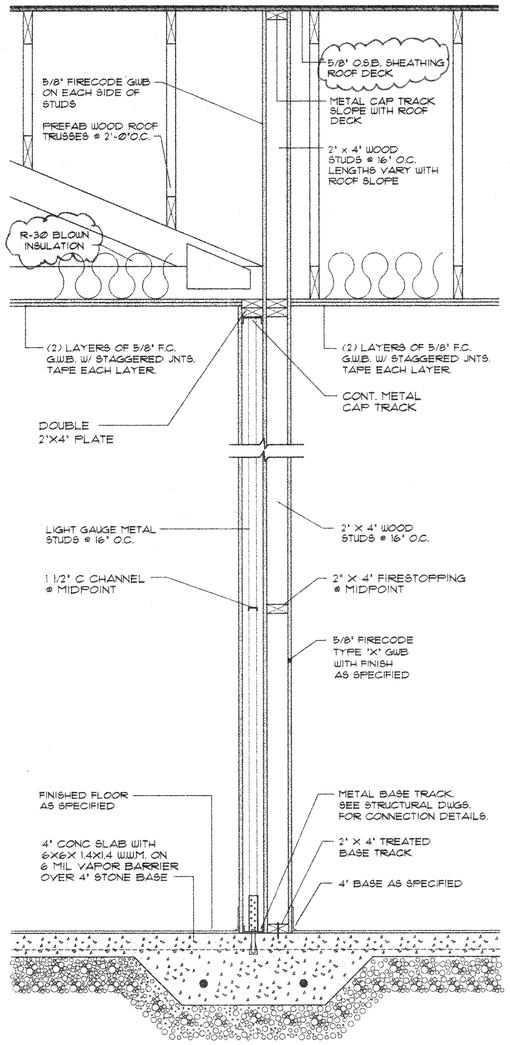
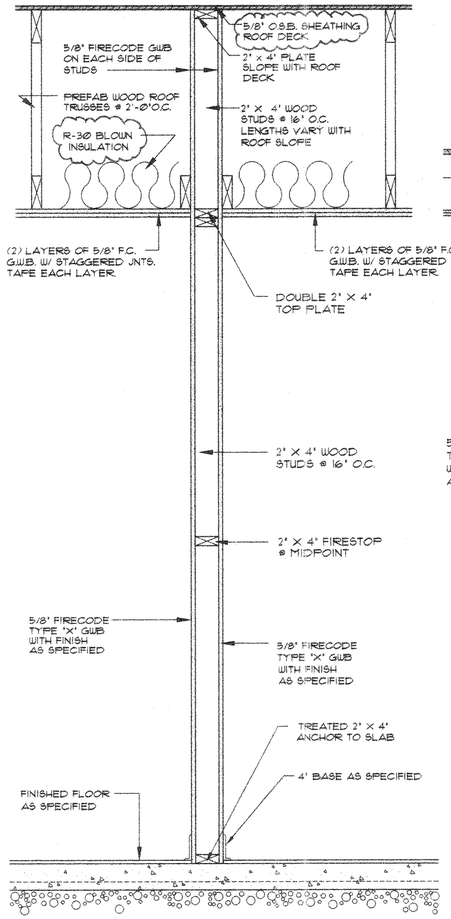


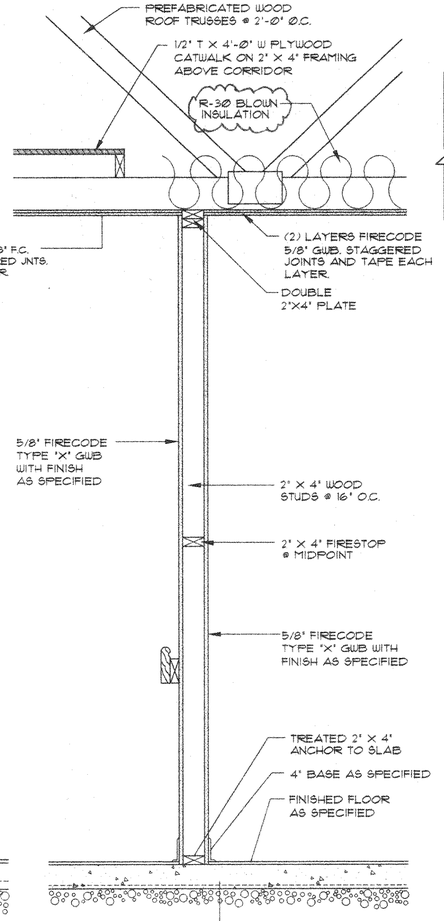
1501 **SECTION** TYP. 1-HR. SMOKE/ FIRE PARTITION AT BEARING WALL LOCATIONS
SCALE: 1"=1'-0"



CONTRACTOR MAY SUBSTITUTE A DOUBLE PRE-FAB. GABLE END TRUSS W/ 1/2" PLYWOOD SPACER ABOVE THE FINISHED CEILING. THE WALL THICKNESS MUST BE AT LEAST 3 1/2".

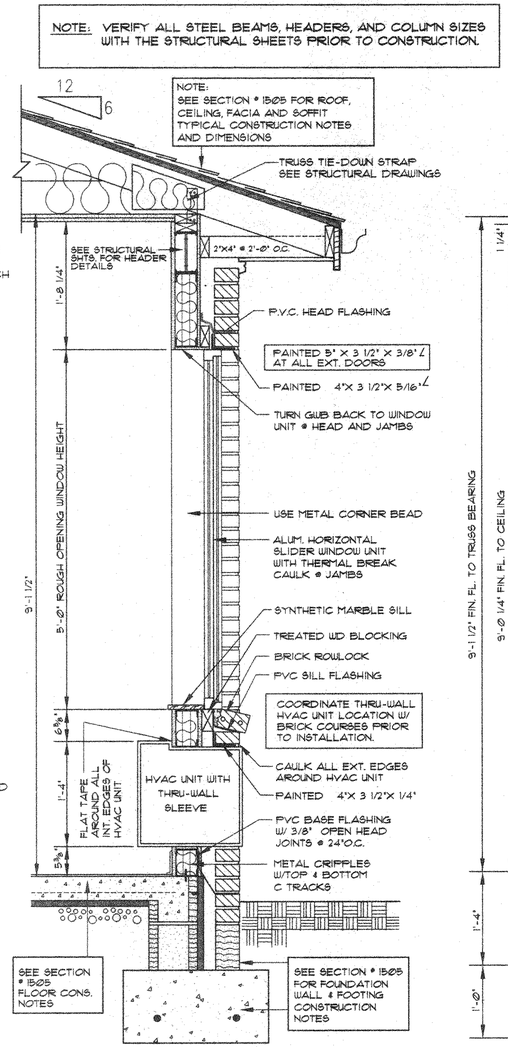
ALL SMOKE PARTITIONS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL TO EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. BREAK SOFFIT AND ROOF RIDGE VENT - 3'-0" ON EACH SIDE OF PARTITION.

1502 **SECTION** TYPICAL 1-HR. RATED SMOKE/ FIRE PARTITION
SCALE: 1"=1'-0"

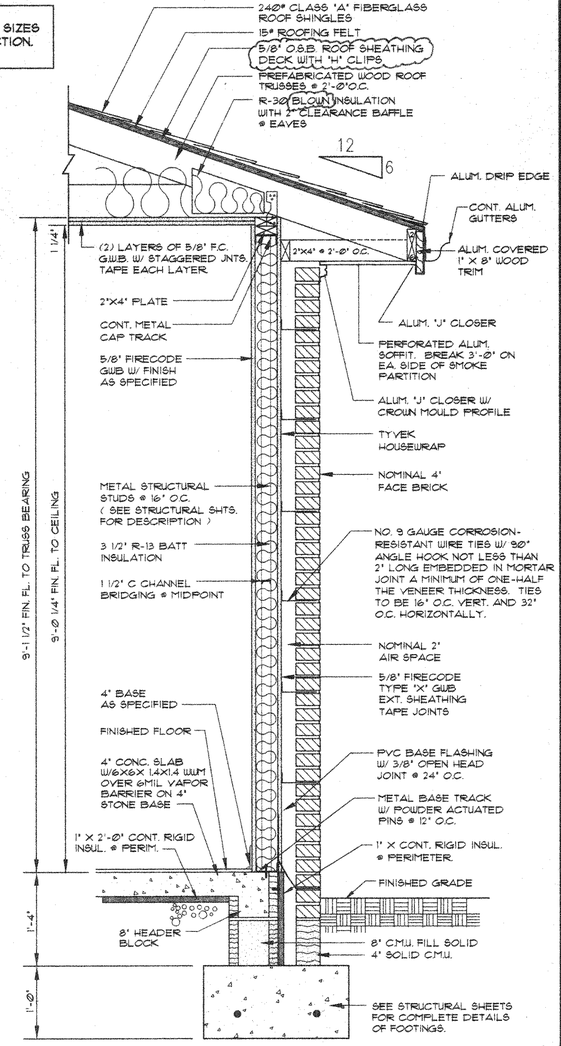


1503 **SECTION** TYPICAL CORRIDOR WALL
SCALE: 1"=1'-0"

NOTE: VERIFY ALL STEEL BEAMS, HEADERS, AND COLUMN SIZES WITH THE STRUCTURAL SHEETS PRIOR TO CONSTRUCTION.

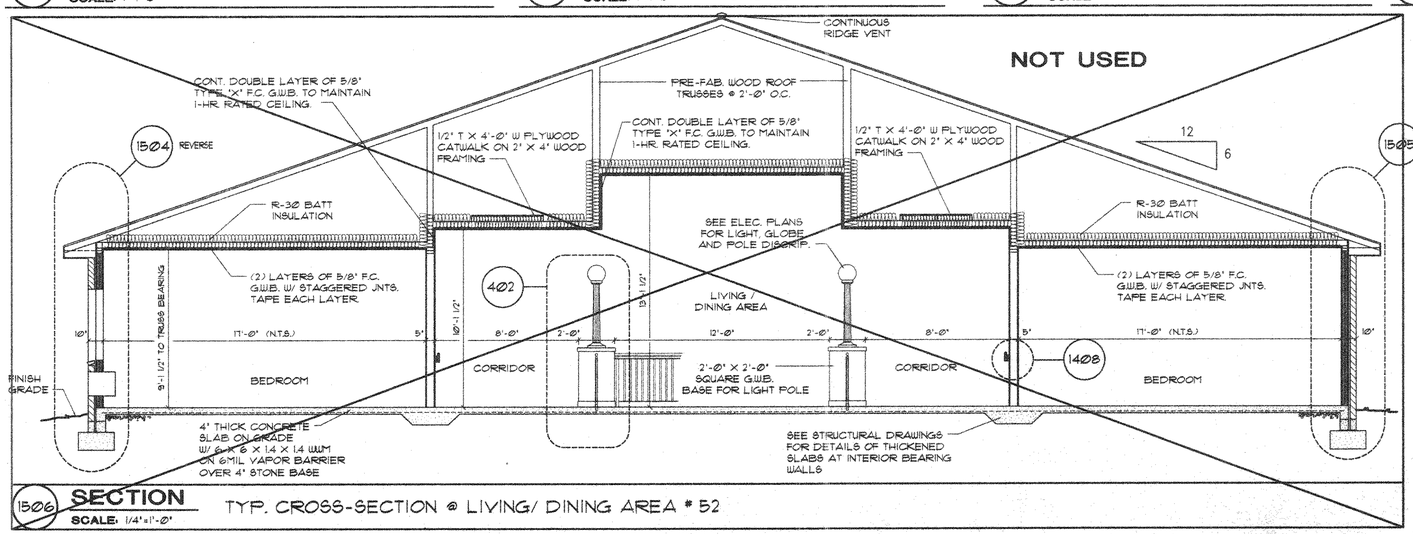


1504 **SECTION** TYP. BEDROOM WINDOW SECTION
SCALE: 1"=1'-0"



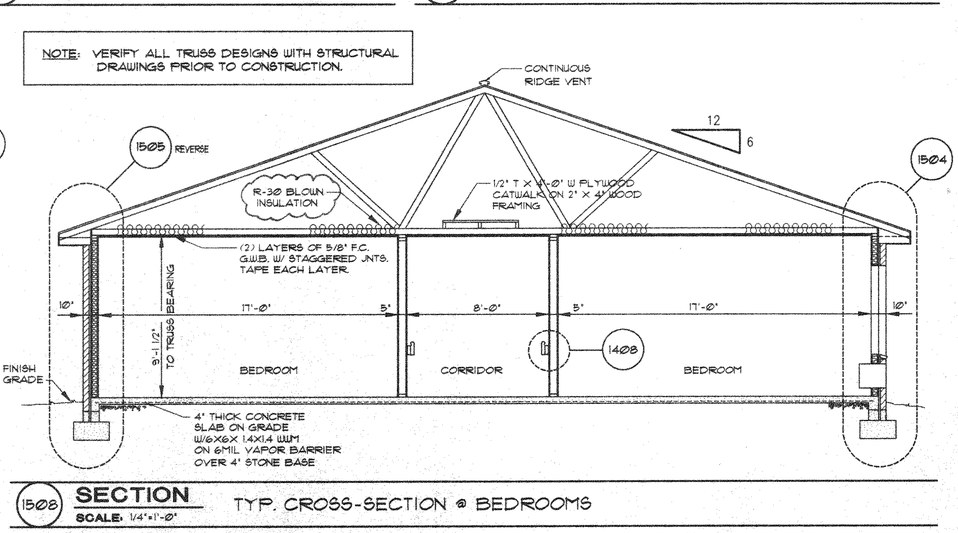
1505 **SECTION** TYP. EXTERIOR WALL SECTION
SCALE: 1"=1'-0"

NOT USED



1506 **SECTION** TYP. CROSS-SECTION @ LIVING/ DINING AREA # 52
SCALE: 1/4"=1'-0"

NOTE: VERIFY ALL TRUSS DESIGNS WITH STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.



1508 **SECTION** TYP. CROSS-SECTION @ BEDROOMS
SCALE: 1/4"=1'-0"

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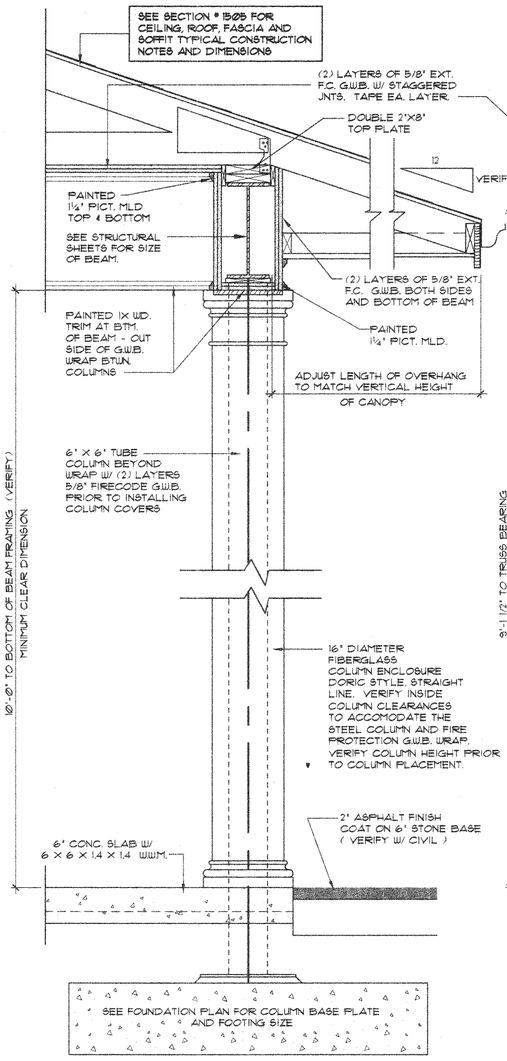
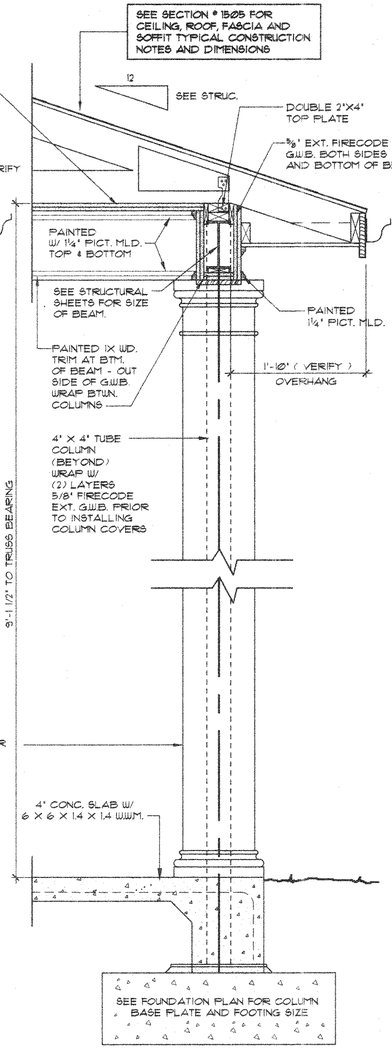
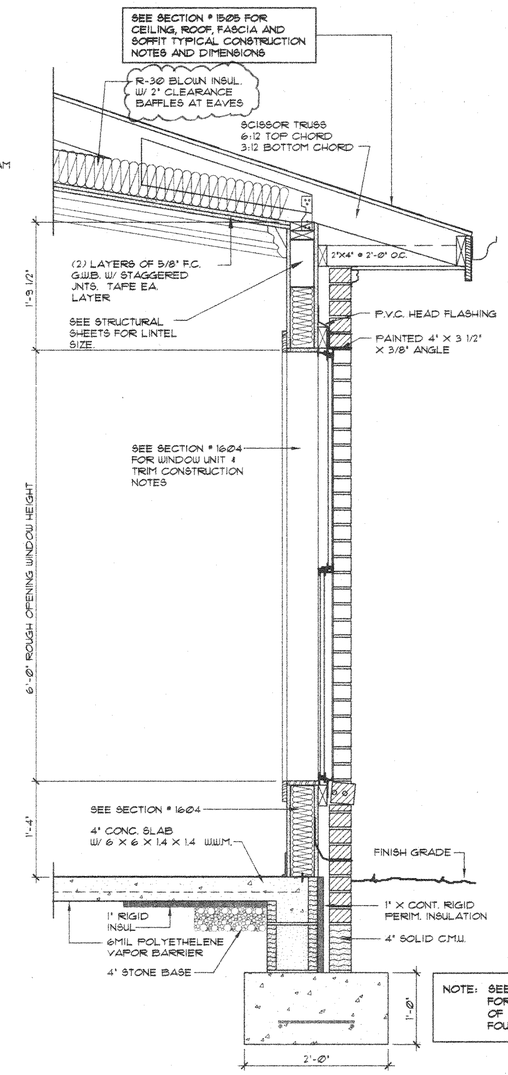


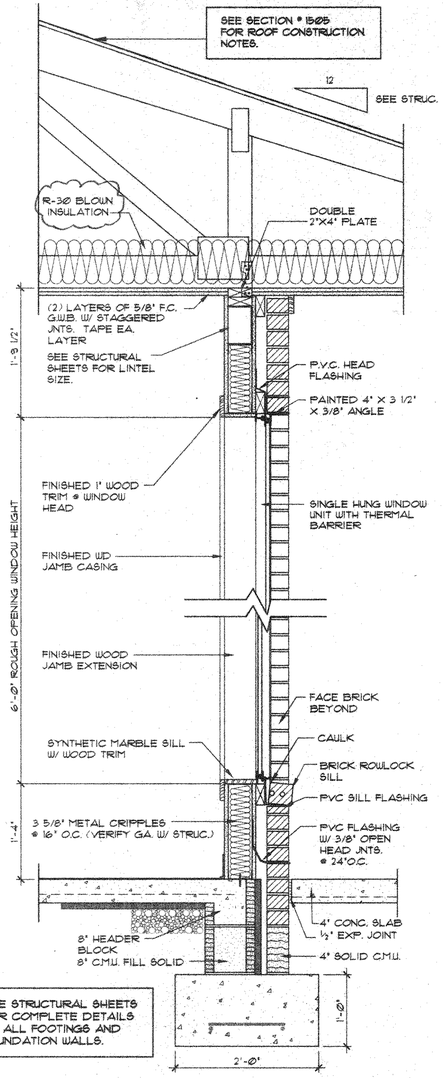
1601 **SECTION** BEAM & COLUMN AT DROP-OFF CANOPY # 69
SCALE: 1" = 1'-0"



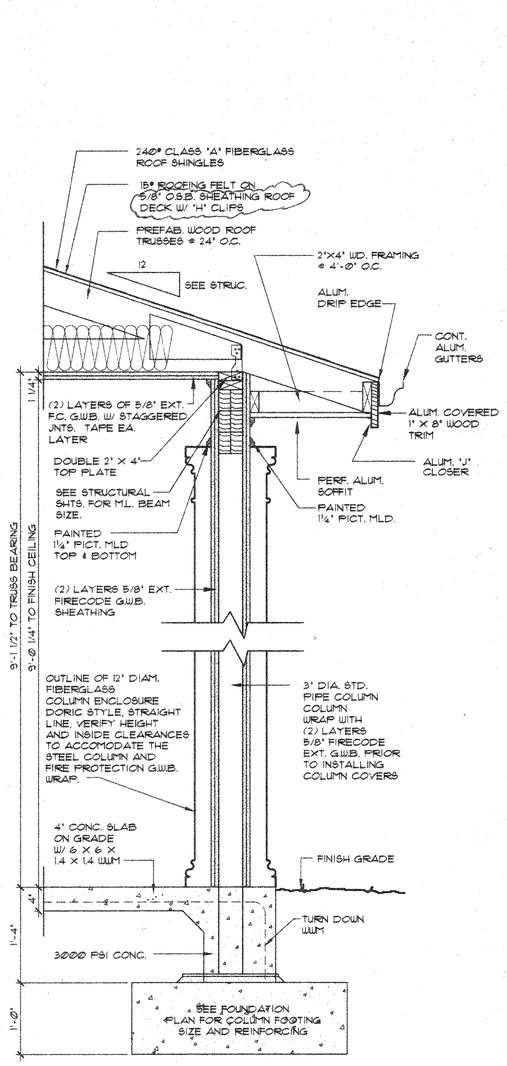
1602 **SECTION** BEAM & COLUMN AT PORCHES # 66 AND # 68
SCALE: 1" = 1'-0"



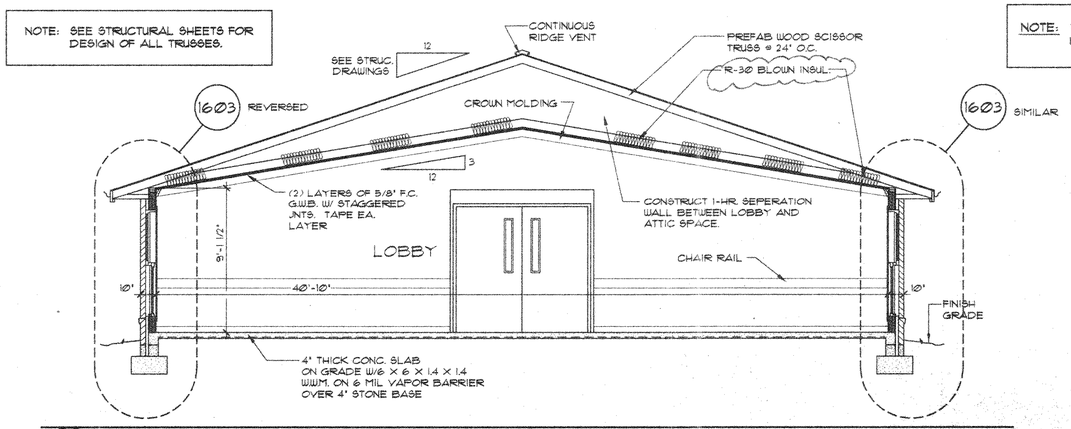
1603 **SECTION** SECTION AT LOBBY SINGLE HUNG WINDOW UNITS
SCALE: 1" = 1'-0"



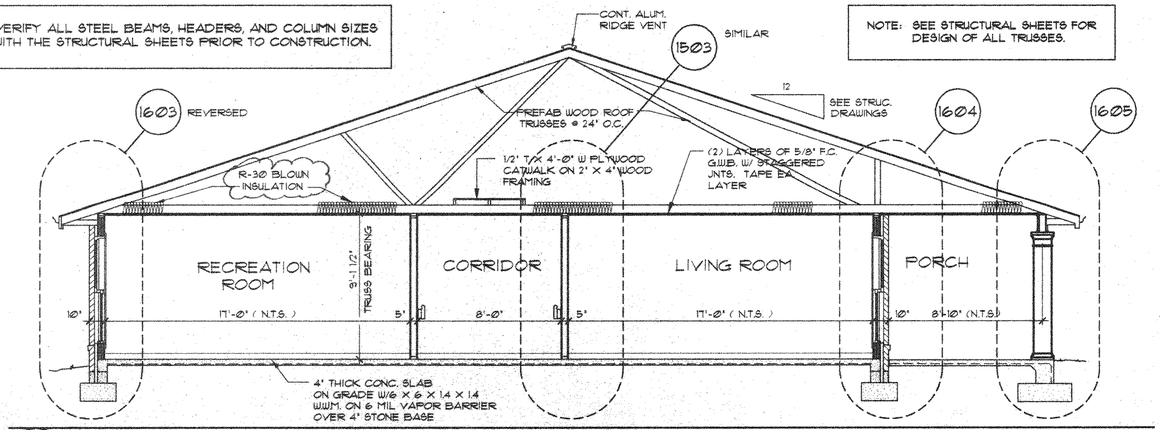
1604 **SECTION** EXT. WINDOW AT LIVING ROOM # 60
SCALE: 1" = 1'-0"



1605 **SECTION** BEAM & COLUMN AT PORCH # 67
SCALE: 1" = 1'-0"



1606 **SECTION** BUILDING CROSS SECTION AT LOBBY # 1
SCALE: 1/4" = 1'-0"



1607 **SECTION** BUILDING CROSS SECTION AT LIVING ROOM # 60 & RECREATION ROOM # 61
SCALE: 1/4" = 1'-0"

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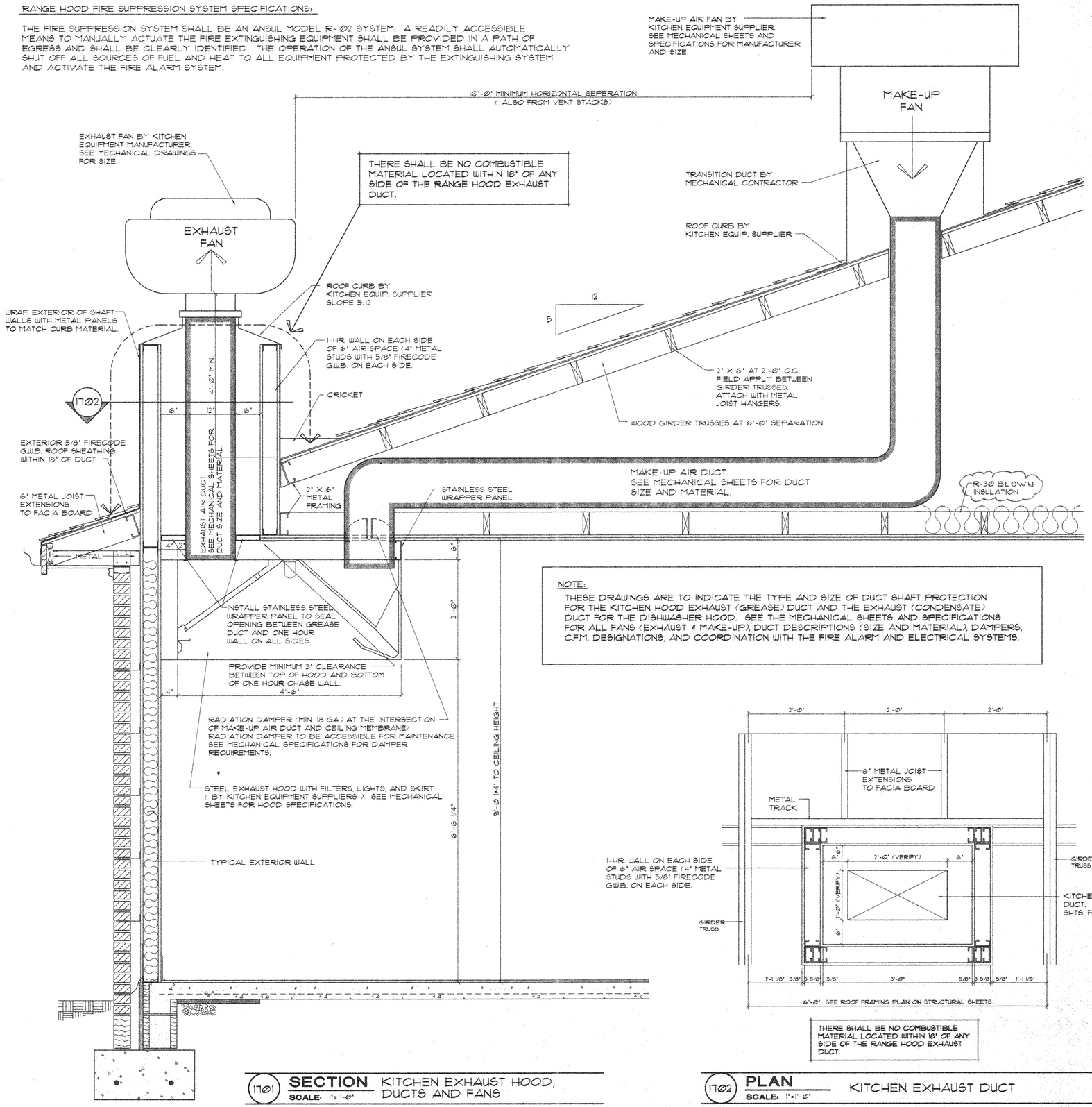
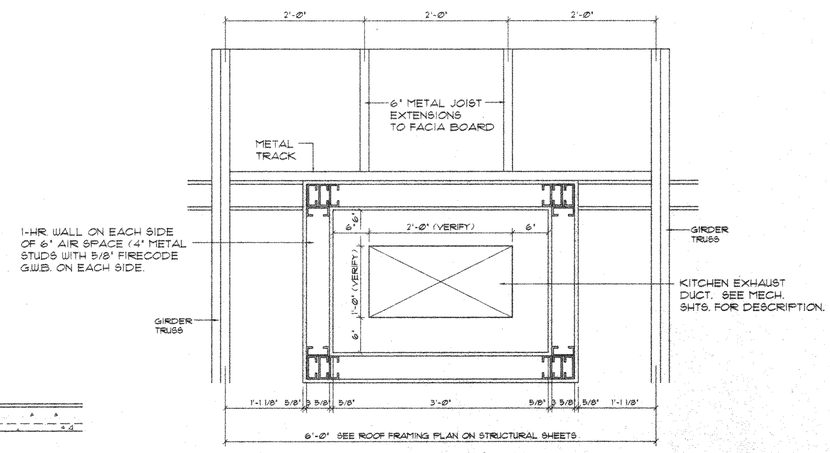
RANGE HOOD FIRE SUPPRESSION SYSTEM SPECIFICATIONS:

THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND HEAT TO ALL EQUIPMENT PROTECTED BY THE EXTINGUISHING SYSTEM AND ACTIVATE THE FIRE ALARM SYSTEM.



1701 **SECTION** KITCHEN EXHAUST HOOD, DUCTS AND FANS
SCALE: 1"=1'-0"

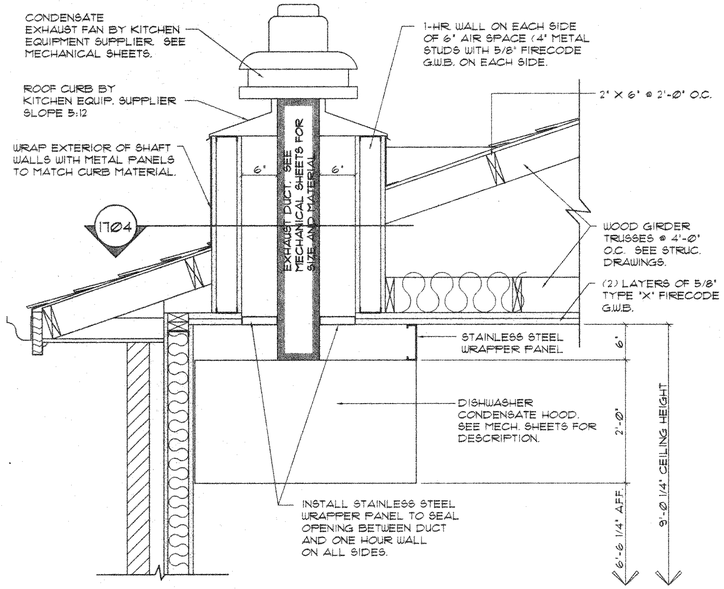
NOTE:
THESE DRAWINGS ARE TO INDICATE THE TYPE AND SIZE OF DUCT SHAFT PROTECTION FOR THE KITCHEN HOOD EXHAUST (GREASE) DUCT AND THE EXHAUST (CONDENSATE) DUCT FOR THE DISHWASHER HOOD. SEE THE MECHANICAL SHEETS AND SPECIFICATIONS FOR ALL FANS (EXHAUST & MAKE-UP), DUCT DESCRIPTIONS (SIZE AND MATERIAL), DAMPERS, C.F.M. DESIGNATIONS, AND COORDINATION WITH THE FIRE ALARM AND ELECTRICAL SYSTEMS.



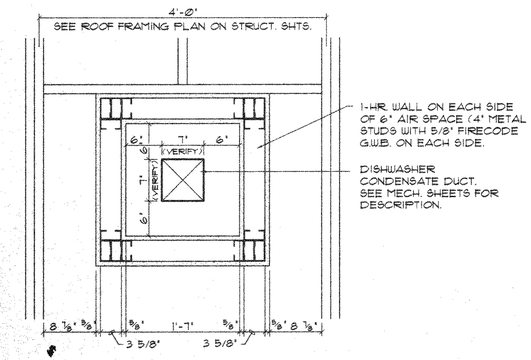
THERE SHALL BE NO COMBUSTIBLE MATERIAL LOCATED WITHIN 18" OF ANY SIDE OF THE RANGE HOOD EXHAUST DUCT.

1702 **PLAN** KITCHEN EXHAUST DUCT
SCALE: 1"=1'-0"

KITCHEN EQUIPMENT CONTRACTOR TO FURNISH HOODS, MAKE-UP FAN, EXHAUST FAN, AND CONDENSATE EXHAUST FAN. GENERAL CONTRACTOR TO PROVIDE STAINLESS STEEL DUCTWORK AND INSTALL ALL ABOVE.



1703 **SECTION** DISHWASHER CONDENSATE HOOD, DUCT AND FAN
SCALE: 1"=1'-0"



1704 **PLAN** DISHWASHER CONDENSATE DUCT
SCALE: 1"=1'-0"

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WILMINGTON, N.C.

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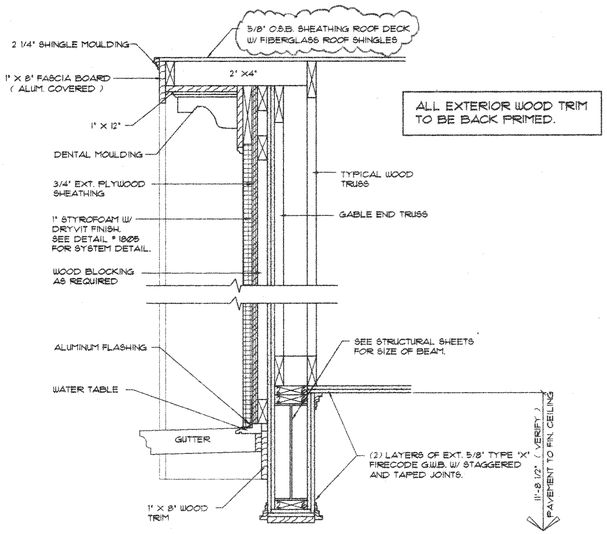
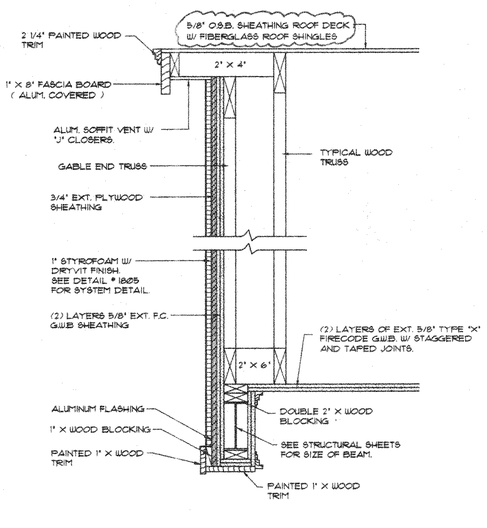
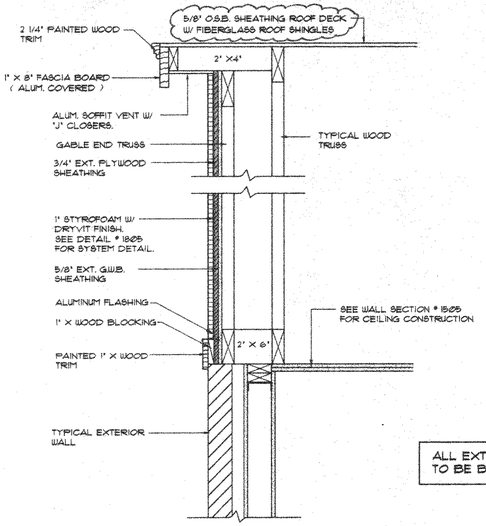


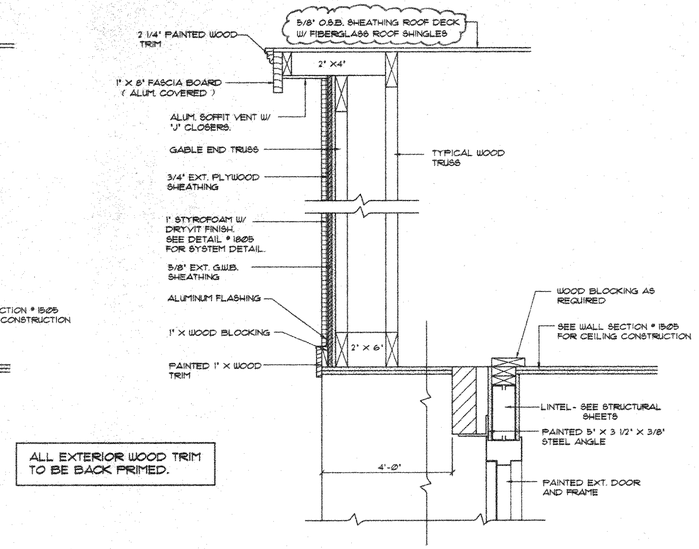
1801 **SECTION** — GABLE END AT CANOPY
SCALE: 1" = 1'-0"



1802 **SECTION** — GABLE END AT PORCH
SCALE: 1" = 1'-0"



1803 **SECTION** — SECTION AT GABLE END
SCALE: 1" = 1'-0"



1804 **SECTION** — SECTION AT RECESSED DOOR
SCALE: 1" = 1'-0"

SYNTHETIC STUCCO TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS AND WARRANTY REQUIREMENTS.

1805 **DETAIL** — DRYVIT SYSTEM DETAIL OR APPROVED EQUAL
SCALE: N.T.S.

ALL SMOKE PARTITIONS TO EXTEND FROM FLOOR SLAB TO ROOF DECK AND EXTERIOR WALL TO EXTERIOR WALL INCLUDING SOFFIT CAVITY AND STUD CAVITY. BREAK SOFFIT AND ROOF RIDGE VENTS 3'-0" ON EACH SIDE.

CONTRACTOR MAY SUBSTITUTE A DOUBLE PRE-FAB GABLE END TRUSS W/ ½" PLYWOOD SPACER ABOVE THE FINISHED CEILING. THICKNESS MUST BE AT LEAST 3 1/2". (SEE DETAIL # 1807)

1806 **DETAIL** — SMOKE PARTITION AT EXTERIOR WALL
SCALE: 1½" = 1'-0"

1807 **DETAIL** — SMOKE PARTITION AT SOFFIT
SCALE: 1½" = 1'-0"

1808 **SECTION** — TYPICAL ATTIC DRAFTSTOP
SCALE: 1 1/2" = 1'-0"

SECTION PARALLEL TO TRUSSES AT CORRIDOR

TYPICAL SECTION PERPENDICULAR TO TRUSSES

SECTION PARALLEL TO TRUSSES AT DINING ROOM

1809 **DETAIL** — CROSS-SECTIONS THRU TYPICAL TRAY CEILINGS
SCALE: N.T.S.

SIGNAGE TO BE PROVIDED & INSTALLED BY OWNER.

NOTES:

CHARACTER PROPORTIONS:
WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 3:5 & 1:1, STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10

CHARACTER HEIGHT: MIN. CHARACTER HEIGHT SHALL BE 3".

RAISED & BRAILLED CHARACTERS & PICTORAL SYMBOL SIGNS (PICTOGRAMS): RAISED 1/32" MIN, UPPER CASE, SANS SERIF OR SIMPLE SERIF ACCOMPANIED W/ GRADE 2 BRAILLE. RAISED CHARACTERS AT LEAST 5/8" HIGH, NO HIGHER THAN 2". PICTO. ACCOMPANIED BY EQUIVALENT DESCRIPTION DIRECTLY BELOW PICTOGRAM. BORDER DIMENSION 6" MIN. HT.

FINISH & CONTRAST: CHARACTERS & BACKGROUND EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH SHALL CONTRAST WITH BACKGROUND A EITHER LIGHT ON DARK OR DARK ON LIGHT.

MOUNTING LOCATION & HEIGHT: PERMANENT IDENTIFICATION INSTALLED ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ADJACENT TO THE LATCH SIDE, PLACE ON NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FIN. FLOOR TO CENTERLINE OF SIGNAGE, SO THAT PERSON MAY APPROACH W/IN 3" OF SIGNAGE W/OUT PROTRUSIONS OR SWING OF DOOR.

1810 **DETAIL** — SIGNAGE LOCATION
SCALE: 1/2" = 1'-0"

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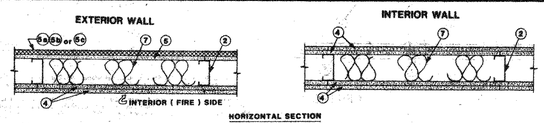


HORIZONTAL SECTION

Design No. U425
(For Exterior Walls, Ratings Applicable For Exposure To Fire On Interior Face Only, (See Items 4 and 5)
Bearing Wall Rating—45 Min, 1, 1-1/2 or 2 HR. (See Items 2 and 4)

1. **Steel Floor and Ceiling Tracks**—(Not Shown)—Top and bottom tracks of wall assemblies shall consist of steel members, min No. 20 GSG (0.038 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C.
2. **Steel Studs**—Corrosion-protected steel studs, min 3 5/8 in., min No. 20 GSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, cold-formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. OC (or 16 in. OC - See Item 5c). Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 pan head, self-drilling, self-tapping steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.
3. **Lateral Support Members**—(Not shown)—Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.
4. **Wallboard, Gypsum***—Gypsum wallboard bearing the ULI Classification Marking as to Fire Resistance. Applied vertically with joints between layers staggered. Outer layer of 3 layer construction may be applied horizontally. The thickness and number of layers and percent of design load for the 45 min, 1 hr, 1-1/2 hr and 2 hr ratings are as follows:

Interior Walls

Rating	Wallboard Protection Both Sides of Wall - Number of Layers and Thickness of Boards in Each Layer	Percent of Design Load
45 min	*1 layer, 1/2 in. thick	100
1 hr	*1 layer, 5/8 in. thick	100
1-1/2 hr	*2 layers, 1/2 in. thick	100
2 hr	*2 layers, 5/8 in. thick or	80
	*3 layers, 1/2 in. thick	100
	*2 layers, 3/4 in. thick	100

*Ratings applicable to assemblies serving as exterior walls where Classified fire resistive gypsum sheathing type wallboard is substituted on the exterior face.

Exterior Walls

Rating	Wallboard Protection On Interior Side of Wall - Number of Layers and Thickness of Boards in Each Layer	Percent of Design Load
45 min	1 layer, 5/8 in. thick	100
1 hr	2 layers, 1/2 in. thick	100
1-1/2 hr	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100
	2 layers, 3/4 in. thick	100

See Wallboard Gypsum (GKNH) Category for names of Classified Companies of 1/2 in. or 5/8 in. thick wallboard. See below for Classified Company of 3/4 in. thick wallboard.
United States Gypsum Co.—ULTRACODE or Type IP-X3.

4A. **Wallboard, Gypsum***—(As an alternate to Items 4 and 4A)—5/8 in. thick fiberglass reinforced wallboard (Item 4)—Nom 3/4 in. thick.
United States Gypsum Co.—Type AR.

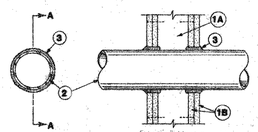
4B. **Wallboard, Gypsum***—(As an alternate to Items 4 and 4A)—5/8 in. thick fiberglass reinforced wallboard (Item 4)—Nom 3/4 in. thick.
United States Gypsum Co.—Type AR.

5. **Gypsum Sheathing**—For exterior walls, 1/2 or 5/8 in. thick exterior regular gypsum sheathing applied vertically and attached to studs and runner tracks with 1 in. long Type S-12 bugle head screws spaced 12 in. OC along studs and tracks. One of the following exterior facings are to be applied over the gypsum sheathing.
   A. **Siding, Brick, or Stucco**—Aluminum siding, steel siding, brick veneer, or stucco attached to studs over gypsum sheathing and meeting the requirements of local code agencies. When a min 3-3/4 in. thick brick veneer facing is used, the Exterior Wall Rating is applicable with exposure on either face. Brick veneer wall attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.
   B. **Mineral and Fiber Boards***—Exterior hardboard panelling, chemically treated vinyl gypsum sheathing with primed or finished face, 7/16 in. thick by 48 in. wide. Attached to studs over gypsum sheathing with 1-7/8 in. long buglehead TEK fasteners 16 in. OC at the intermediate supports Or, exterior lap siding, chemically treated, 7/16 in. thick by 8 in. or 12 in. wide. Attached to studs with 1-7/8 in. long, buglehead Type TEK fasteners at each lap. Panels lapped minimum 1 in.
   Masonite Corp.—Type PT.
   C. **Cementitious Backer Units***—1/2 or 5/8 in. thick, square edge boards, attached to steel studs over gypsum sheathing with 1-5/8 in. long, Type S-12, corrosion resistant, self-tapping wafer head steel screws, spaced 8 in. OC. Studs spaced a max of 16 in. OC. Joints covered with glass fiber mesh tape.
   United States Gypsum Co.—ECB or ICB.
   TEC Inc.—Type TEC.
6. **Fasteners**—(Not Shown)—Screws used to attach wallboard to studs: self-tapping bugle head sheet steel type, spaced 12 in. O.C. First layer Type S-12 by 1 in. long for 1/2 and 5/8 in. thick wallboards and 1-1/4 in. long for 3/4 in. thick wallboard. Second layer Type S-12 by 1-5/8 in. long for 1/2 and 5/8 in. thick wallboards and 2-1/4 in. long for 3/4 in. thick wallboard. Third layer Type S-12 by 1-7/8 in. long.
7. **Batts and Blankets***—Placed in stud cavities of all exterior walls. May or may not be used in interior walls. Any glass fiber or mineral wool batt material bearing the UL Classification Marking as to Fire Resistance, of a thickness to completely fill stud cavity.
   See Batts and Blankets (BLZZ) Category for names of Classified Companies.
8. **Joint Tape and Compound**—(Not Shown)—Vinyl or dessin, dry or premixed joint compound applied in two coats to joints and screwheads of outer layer. Perforated paper tape, 2 in. wide, embedded in first layer of compound over all joints of outer layer.

*Bearing the UL Classification Marking

1901 **DETAIL** U.L. U-425 WALL ASSEMBLY
SCALE: N.T.S.

System No. WL1001
(Formerly System No. 147)
F Ratings—1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings—0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient—less than 1 CFM/sq ft
L Rating At 400 F—less than 1 CFM/sq ft



SECTION A-A

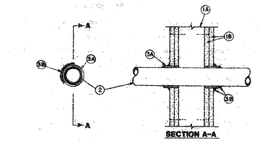
1. **Wall Assembly**—The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs (max 2 in fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber and plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13-1/2 in.
2. **Pipe or Conduit**—Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe, nom 6 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) Type L or (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of firestop system (Item 3) is 2 h. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. **Fill, Void or Cavity Material***—Caulk—Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is dependent upon the hourly F rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam, in	Annular Space, in	F Rating, Hr	T Rating, Hr
1	0 to 3/16	1 or 2	0 or 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
4	0 to 1-1/2‡	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+When copper pipe is used, T Rating is 0 h.
‡0 to 1-1/2 in. annular space applies only when Type CP-25 WB+ caulk is used and only when the min thickness of the gypsum wallboard is 5/8 in. for 1 hr rated walls and 1-1/4 in. for 2 hr rated walls.
Minnesota Mining & Mfg. Co.—CP 25WB+.
*Bearing the UL Classification Marking.

1902 **DETAIL** PENETRATION FIRESTOP FOR 12" MAX. DIAM. STEEL PIPE THROUGH G.W.B. ASSEMBY
SCALE: N.T.S.

System No. WL2003
(Formerly System No. 148)
F Ratings—1 and 2 Hr (See Item 3)
T Ratings—1 and 2 Hr (See Item 3)
L Rating At Ambient—7 CFM/sq ft (See Item 3B)
L Rating At 400 F—less than 1 CFM/sq ft (See Item 3B)



SECTION A-A

1. **Wall Assembly**—The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber and plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in.
2. **Nonmetallic Pipe**—Nom 6, 8 or 10 in. diam Schedule 40 polyvinyl chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be centered in the firestop system. Pipe to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. **Firestop System**—Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are dependent upon the size of nonmetallic pipe and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

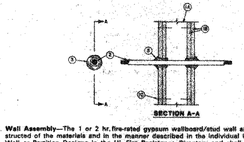
Nom Pipe Diam, in	Annular Space, in	Wall Fire Rating, Hr	F Rating, Hr	T Rating, Hr
3	3/4	1	1	1
6	3/4	2	2	2
8	1	1	1	3/4
8	1	2	2	1-1/2
10	1-1/2	1	1	3/4
10	1-1/2	2	1	3/4

The details of the firestop system shall be as follows:
   A. **Steel Sleeve**—Cylindrical sleeve fabricated from min 0.016 in. thick (No. 30 gauge) galv sheet steel and having a min 1 in. lap along the longitudinal seam. Length of steel sleeve shall be equal to thickness of wall plus 9-1/2 in., 10 in. or 11 in. for the 6, 8 and 10 in. diam pipe sizes, respectively. Inside diam of steel sleeve and diam of through opening in the gypsum wallboard layers to be equal to outside diam of wrap strip (Item 6) layers on pipe. Cylindrical sleeve inserted in annular space around nonmetallic pipe and centered in wall. After installation of wrap strip (Item 6) layers, min 1/2 in. wide by min 0.028 in. thick stainless steel band clamps installed around steel sleeve and cut to fit. Clamps fastened by with one band clamp located near the wall surface and another located approx 1 in. from the outer edge of the wrap strip layers. Edges of steel sleeve to be slit approx 1 in. OC around circumference of sleeve on both sides of wall, with length of slits approximately equal to thickness of mat wrap layers, to form retainer tabs. Retainer tabs bent 90 deg toward pipe to lock wrap strip layer(s) in position.
   B. **Fill, Void or Cavity Materials***—Wrap Strip—Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 4 in. wide by 24 in. long strips. Nom 4 in. wide wrap strips tightly-wrapped around nonmetallic pipe on each side of wall and slid into steel sleeve (Item A) such that inner edges are flush with or recessed max 1/4 in. into surface of wall. For nom 6 in. diam pipes, three layers of wrap strip are required. For nom 8 in. diam pipes, four layers of wrap strip are required. For nom 10 in. diam pipes, six layers of wrap strip are required. Each layer of wrap strip to be installed with butted seams, with the butted seams in successive layers staggered. Wrap strips temporarily held in position using aluminum foil tape, filament tape, steel wire ties, or equivalent.
   Minnesota Mining & Mfg. Co.—Type FS-195+.
   C. **Pipe Covering**—Nom 1 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Min 8 in. length of pipe covering installed around PVC pipe at its egress from the wrap strip layers (Item B) on both sides of the wall. Pipe covering secured to pipe with steel wire ties spaced max 4 in. OC. Edge of pipe covering abutting wrap strip to be sealed with a min 1/4 in. diam bead of caulk (Item D).
   See Pipe And Equipment Covering—Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   D. **Fill, Void or Cavity Materials***—Caulk—Generous bead of caulk to be applied to outer perimeter of steel sleeve at interface with wall surfaces and to perimeter of pipe covering material wrap at its interface with the wrap strip layers.
   Minnesota Mining & Mfg. Co.—CP 25WB+.

*Bearing the UL Classification Marking

1903 **DETAIL** PENETRATION FIRESTOP FOR 12" MAX. DIAM. INSULATED STEEL PIPE THROUGH G.W.B. ASSEMBY
SCALE: N.T.S.

System No. WL3001
(Formerly System No. 149)
F Ratings—1 and 2 Hr (See Item 3)
T Ratings—3/4, 1, 1-1/2 and 2 Hr (See Item 2)
L Rating At Ambient—15 CFM/sq ft (See Item 3)
L Rating At 400 F—less than 1 CFM/sq ft (See Item 3)



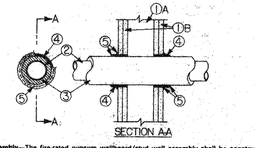
SECTION A-A

1. **Wall Assembly**—The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber and plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—Nom 1/2 or 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 13 in.
   C. **Fastening**—When wood stud framing is employed gypsum wallboard layers attached to studs with cement-coated nails as specified in the individual Wall or Partition Design. When steel channel stud framing is employed, gypsum wallboard attached to studs with Type S self-drilling, self-tapping bugle-head steel screws as specified in the individual Wall or Partition Design.
2. **Cables**—Individual cable installed in through opening with an annular space of min 0 in. (point contact) to max 3/4 in. Cable to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used:
   A. Max 150 pair No. 24 AWG copper conductor telephone cable with insulated (PVC) insulation and jacket materials. When max 25 pair telephone cable is used, T Rating is 2 hr. When 50 to 150 pair telephone cable is used in 1 hr fire rated wall, T Rating is 3/4 hr. When 50 to 150 pair telephone cable is used in 2 hr fire rated wall, T Rating is 1 hr.
   B. Max No. 10 AWG multiple copper conductor Type NM ("Romex") nonmetallic sheathed cable with PVC insulation and jacket materials. When Type NM cable is used, max T Rating is 1-1/2 hr.
   C. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 5/8 in. When fiber optic cable is used, max T Rating is 2 hr.
   D. Max 12 AWG multiconductor flex wires conforming power/control cable with cross-linked polyethylene (XLPE) insulation and XLPE or PVC jacket materials. When multiconductor power/control cable is used, max T Rating is 2 hr.
3. **Fill, Void or Cavity Materials***—Caulk or Putty—Caulk or putty fill material installed to completely fill annular space between cable and gypsum wallboard on both sides of wall and with a min 1/4 in. diam bead of caulk or putty applied to perimeter of cable at its egress from each side of the wall. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
   Minnesota Mining & Mfg. Co.—MPS-2+, Putty, CP 25WB+. Caulk. (Note: L Ratings apply only when Type CP 25WB+ caulk is used.)

*Bearing the UL Classification Marking

1904 **DETAIL** PENETRATION FIRESTOP FOR 2" MAX. DIAM. INSUL. COPPER PIPE THROUGH G.W.B. ASSEMBY
SCALE: N.T.S.

System No. WL5009
(Formerly System No. 566)
F Rating—2 Hr
T Rating—1/2 Hr
L Rating At Ambient—less than 1 CFM/sq ft
L Rating At 400 F—less than 1 CFM/sq ft



SECTION AA

1. **Wall Assembly**—The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Diam of opening cut in gypsum wallboard layers on each side of wall assembly (concentric with pipe), to be 1/2 to 3/4 in. larger than outside diam of pipe insulation (Item 3) such that, when installed, a 1/4 to 3/8 in. annular space will be present between the pipe insulation and the gypsum wallboard around the entire circumference of the opening. Max diam of opening is 4 in.
2. **Copper Pipe**—Nom 2 in. diam (or smaller) Type L (or heavier) copper pipe. A max of one pipe is permitted in the firestop system. Pipe to be installed near center of stud cavity width and is to be rigidly supported on both sides of wall assembly.
3. **Pipe Insulation—Plastic‡**—Nom 5/8 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam supplied in the form of tubes with slits. Pipe insulation to be sized to outside diam of copper pipe.
   See **Plastics (QMFZ) category** in the Recognized Component Directory for names of manufacturers. Any Recognized Component pipe insulation material meeting the above specifications and having a UL&E Flammability Classification of 94-5VA may be used.
4. **Fill, Void or Cavity Materials***—Wrap Strip—Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in wide strip tightly wrapped around pipe insulation (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 3/4 in. of the wrap strip width protrudes from the wall surface. Wrap strip installed symmetrically on both sides of wall.
   Minnesota Mining & Mfg. Co.—FS-195+.
5. **Fill, Void or Cavity Materials***—Caulk—Min 1/4 in. diam continuous bead applied to leading edge of wrap strip layer (Item 4) prior to insertion of wrap strip layer into annular space. After insertion of wrap strip layer, a nom 1/4 in. diam continuous bead is to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. from the wall surface.
   Minnesota Mining & Mfg. Co.—FS-195+.

*Bearing the UL Classification Marking
‡Bearing the UL Classification Marking

1905 **DETAIL** PENETRATION FIRESTOP FOR 4" MAX. DIAM. ABS, & PVC PLASTIC PIPE THROUGH G.W.B. ASSEMBLY
SCALE: N.T.S.

System No. WL2005
(Formerly System No. 148)
F Ratings—1 and 2 Hr
T Ratings—0, 3/4, 1, 1-1/2 and 2 Hr
L Rating At Ambient—7 CFM/sq ft
L Rating At 400 F—less than 1 CFM/sq ft

SECTION A-A

1. **Wall Assembly**—The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber and plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in.
2. **Nonmetallic Pipe**—Nom 6, 8 or 10 in. diam Schedule 40 polyvinyl chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be centered in the firestop system. Pipe to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. **Firestop System**—Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are dependent upon the size of nonmetallic pipe and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

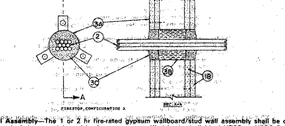
Nom Pipe Diam, in	Annular Space, in	Wall Fire Rating, Hr	F Rating, Hr	T Rating, Hr
3	3/4	1	1	1
6	3/4	2	2	2
8	1	1	1	3/4
8	1	2	2	1-1/2
10	1-1/2	1	1	3/4
10	1-1/2	2	1	3/4

The details of the firestop system shall be as follows:
   A. **Steel Sleeve**—Cylindrical sleeve fabricated from min 0.016 in. thick (No. 30 gauge) galv sheet steel and having a min 1 in. lap along the longitudinal seam. Length of steel sleeve shall be equal to thickness of wall plus 9-1/2 in., 10 in. or 11 in. for the 6, 8 and 10 in. diam pipe sizes, respectively. Inside diam of steel sleeve and diam of through opening in the gypsum wallboard layers to be equal to outside diam of wrap strip (Item 6) layers on pipe. Cylindrical sleeve inserted in annular space around nonmetallic pipe and centered in wall. After installation of wrap strip (Item 6) layers, min 1/2 in. wide by min 0.028 in. thick stainless steel band clamps installed around steel sleeve and cut to fit. Clamps fastened by with one band clamp located near the wall surface and another located approx 1 in. from the outer edge of the wrap strip layers. Edges of steel sleeve to be slit approx 1 in. OC around circumference of sleeve on both sides of wall, with length of slits approximately equal to thickness of mat wrap layers, to form retainer tabs. Retainer tabs bent 90 deg toward pipe to lock wrap strip layer(s) in position.
   B. **Fill, Void or Cavity Materials***—Wrap Strip—Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 4 in. wide by 24 in. long strips. Nom 4 in. wide wrap strips tightly-wrapped around nonmetallic pipe on each side of wall and slid into steel sleeve (Item A) such that inner edges are flush with or recessed max 1/4 in. into surface of wall. For nom 6 in. diam pipes, three layers of wrap strip are required. For nom 8 in. diam pipes, four layers of wrap strip are required. For nom 10 in. diam pipes, six layers of wrap strip are required. Each layer of wrap strip to be installed with butted seams, with the butted seams in successive layers staggered. Wrap strips temporarily held in position using aluminum foil tape, filament tape, steel wire ties, or equivalent.
   Minnesota Mining & Mfg. Co.—Type FS-195+.
   C. **Pipe Covering**—Nom 1 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Min 8 in. length of pipe covering installed around PVC pipe at its egress from the wrap strip layers (Item B) on both sides of the wall. Pipe covering secured to pipe with steel wire ties spaced max 4 in. OC. Edge of pipe covering abutting wrap strip to be sealed with a min 1/4 in. diam bead of caulk (Item D).
   See Pipe And Equipment Covering—Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   D. **Fill, Void or Cavity Materials***—Caulk—Generous bead of caulk to be applied to outer perimeter of steel sleeve at interface with wall surfaces and to perimeter of pipe covering material wrap at its interface with the wrap strip layers.
   Minnesota Mining & Mfg. Co.—CP 25WB+.

*Bearing the UL Classification Marking

1906 **DETAIL** PENETRATION FIRESTOP FOR 2" MAX. DIAM. FB, FP, & PVC, PLASTIC PIPE/ CONDUIT THROUGH G.W.B. ASSEMBLY
SCALE: N.T.S.

System No. WL3003
(Formerly System No. 235)
F Ratings—1 and 2 Hr (See Item, 1)
T Ratings—1/2 Hr



SECTION

1. **Wall Assembly**—The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC for 2 hr fire-rated assemblies, steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC. For 1 hr fire-rated assemblies, steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in.
   C. **Fastening**—The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Cables**—Aggregate cross-sectional area of cable in opening to be max 40 percent of the aggregate cross-sectional of the opening. Cables to be centered and rigidly supported on both sides of floor or wall assembly. The following types and sizes of copper conductor cables may be used:
   A. **Max 50 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride insulation and jacket materials.**
   B. Max 2/C (with ground)—12 AWG (or smaller) PVC insulated and jacketed nonmetallic sheated cable.
3. **Firestop System**—The firestop system shall consist of the following:
   A. **Steel Sleeve**—Cylindrical sleeve friction fitted into the opening with nom 1 in. by 1 in. long mounting flanges and secured to gypsum wallboard with 2 in. long Type S self-drilling, self-tapping steel screws and fender washers. Sleeve may be field fabricated from min 0.016 in. thick (No. 30 gauge) galv sheet metal in accordance with the manufacturer's installation instructions.
   B. **Packing Material**—Min 2-3/4 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. In 1 hr fire-rated assemblies, min 2-3/8 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
   C. **Fill, Void or Cavity Material***—Caulk or Putty—Min 1-1/4 in. thickness of fill material applied within annulus flush with both surfaces of wall. Fill material to be forced into interstices of cable bundle max extent possible. Additional fill material to be installed such that a min 1/2 in. crown is formed around the penetrating item.
   International Protective Coatings Corp.—FS900, FS901, FS903, FS903CG, FS905, FS905CG, FS925, FST901, FST903 or FST905 Sealant or FSP 1000 Putty.

*Bearing the UL Classification Marking

1907 **DETAIL** PENETRATION FIRESTOP FOR INSULATED CABLE THROUGH G.W.B. ASSEMBLY
SCALE: N.T.S.

System No. WL3005
(Formerly System No. 235)
F Ratings—1 and 2 Hr (See Item, 1)
T Ratings—1/2 Hr

SECTION

1. **Wall Assembly**—The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC for 2 hr fire-rated assemblies, steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC. For 1 hr fire-rated assemblies, steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
   B. **Wallboard, Gypsum***—5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in.
   C. **Fastening**—The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Cables**—Aggregate cross-sectional area of cable in opening to be max 40 percent of the aggregate cross-sectional of the opening. Cables to be centered and rigidly supported on both sides of floor or wall assembly. The following types and sizes of copper conductor cables may be used:
   A. **Max 50 pair No. 24 AWG (or smaller) copper conductor telephone cables with polyvinyl chloride insulation and jacket materials.**
   B. Max 2/C (with ground)—12 AWG (or smaller) PVC insulated and jacketed nonmetallic sheated cable.
3. **Firestop System**—The firestop system shall consist of the following:
   A. **Steel Sleeve**—Cylindrical sleeve friction fitted into the opening with nom 1 in. by 1 in. long mounting flanges and secured to gypsum wallboard with 2 in. long Type S self-drilling, self-tapping steel screws and fender washers. Sleeve may be field fabricated from min 0.016 in. thick (No. 30 gauge) galv sheet metal in accordance with the manufacturer's installation instructions.
   B. **Packing Material**—Min 2-3/4 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. In 1 hr fire-rated assemblies, min 2-3/8 in. thickness of min 4 pcf mineral wool insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
   C. **Fill, Void or Cavity Material***—Caulk or Putty—Min 1-1/4 in. thickness of fill material applied within annulus flush with both surfaces of wall. Fill material to be forced into interstices of cable bundle max extent possible. Additional fill material to be installed such that a min 1/2 in. crown is formed around the penetrating item.
   International Protective Coatings Corp.—FS900, FS901, FS903, FS903CG, FS905, FS905CG, FS925, FST901, FST903 or FST905 Sealant or FSP 1000 Putty.

*Bearing the UL Classification Marking

1908 **DETAIL** PENETRATION FIRESTOP FOR A 6" DIAM. MAX. INSULATED CABLE THROUGH G.W.B. ASSEMBLY
SCALE: N.T.S.

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CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

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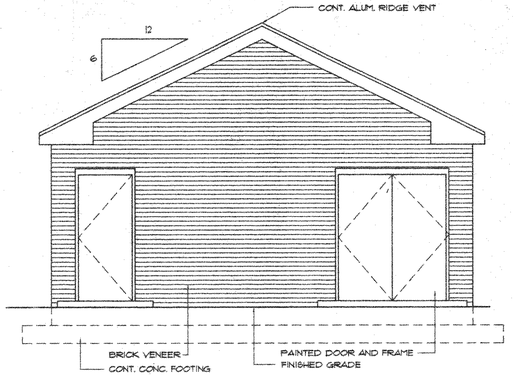
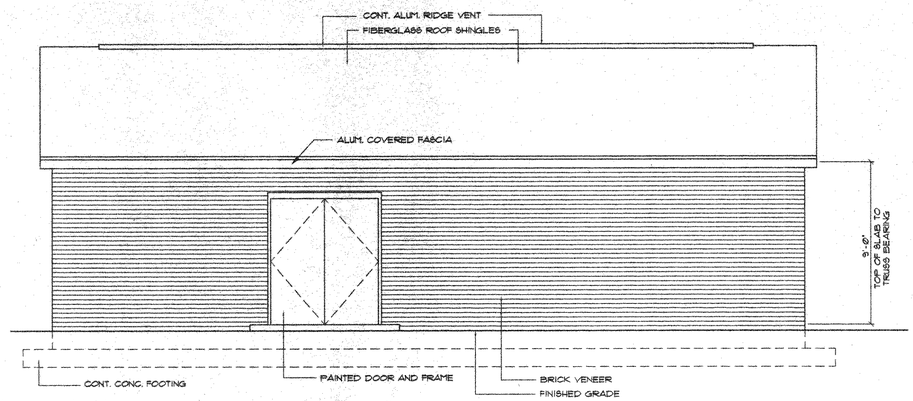
70-BED FACILITY

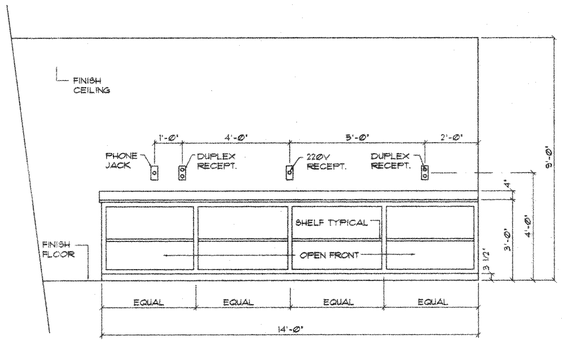
A 19



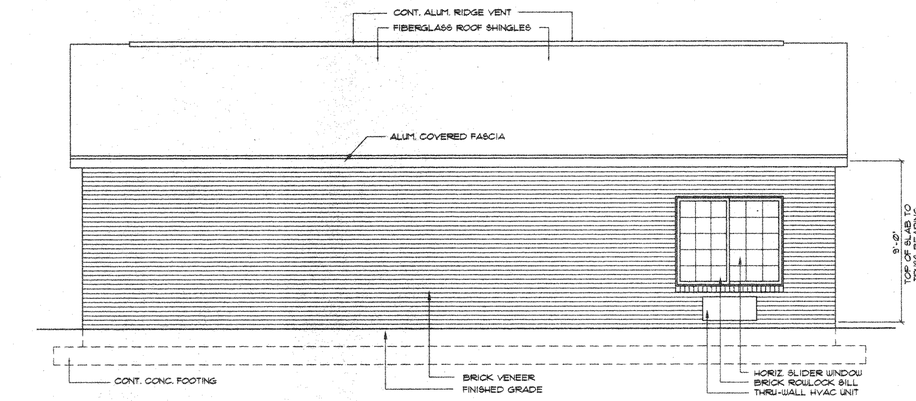
2001 **ELEVATION** FRONT ELEVATION
SCALE: 1/4"= 1'-0"



2002 **ELEVATION** RIGHT SIDE ELEVATION
SCALE: 1/4"= 1'-0"



2003 **ELEVATION** WORKTABLE
SCALE: 3/8"= 1'-0"

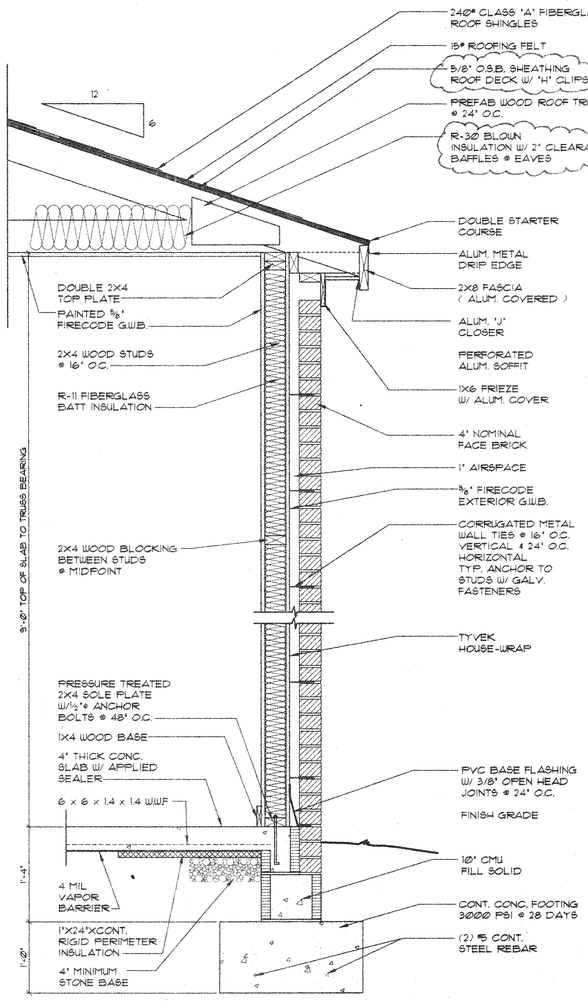


2004 **ELEVATION** LEFT SIDE ELEVATION
SCALE: 1/4"= 1'-0"

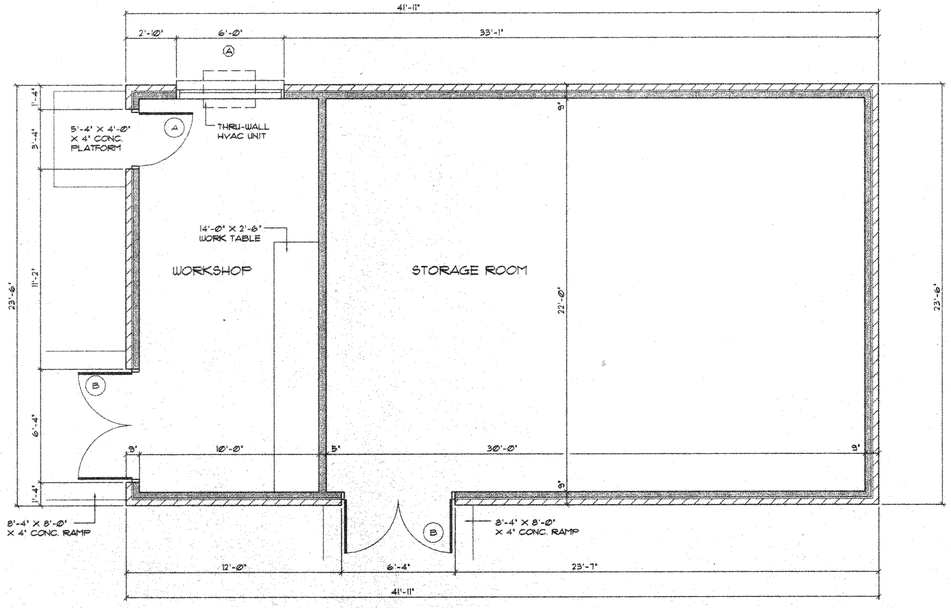
DOOR AND FRAME SCHEDULE

DOOR TYPE 'A'= 3'-0" X 7'-0"
DOOR MATERIAL: HMW
DOOR TYPE: 2
DOOR LABEL: NONE
FRAME MATERIAL: HMW
FRAME TYPE: 2
HARDWARE SET: 8/8 HINGES
OFFICE FUNCTION LOCKSET
DOOR CLOSURE
THRESHOLD
WEATHERSTRIPPING

DOOR TYPE 'B'= 6'-0" X 7'-0"
DOOR MATERIAL: HMW
DOOR TYPE: 3
DOOR LABEL: NONE
FRAME MATERIAL: HMW
FRAME TYPE: 2
HARDWARE SET: STANDARD HINGES
OFFICE FUNCTION
FLUSH BOLTS
THRESHOLD
WEATHERSTRIPPING



2006 **SECTION** TYPICAL STORAGE BUILDING WALL SECTION
SCALE: 1"= 1'-0"



2005 **FLOOR PLAN** STORAGE BUILDING
SCALE: 1/4"= 1'-0"

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Cabarrus, North Carolina

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10-BED FACILITY
REVISED : 8-5-00 PER OWNER CHANGES

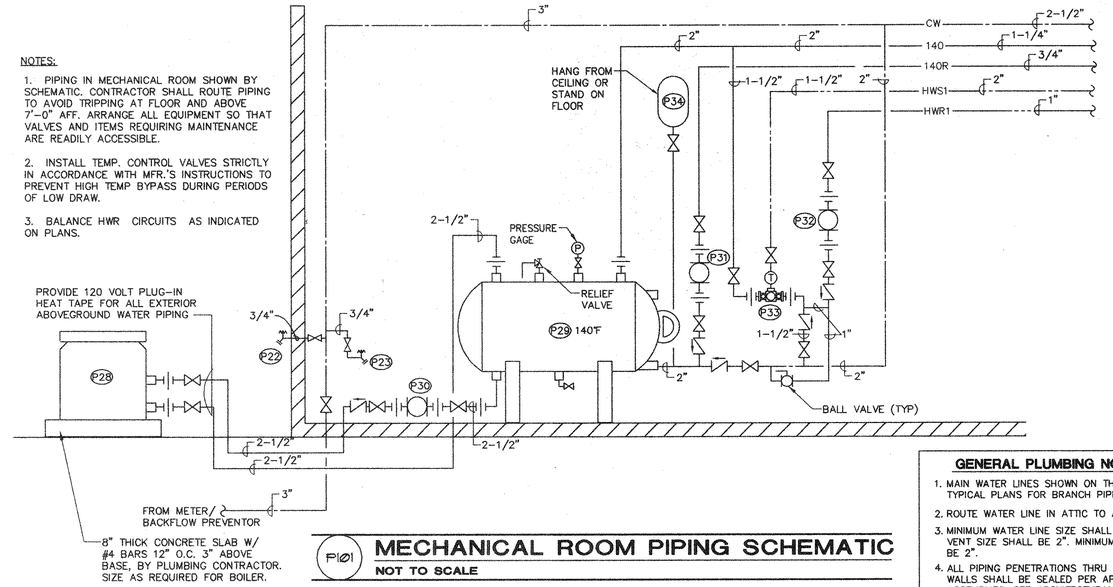
A 20

PLUMBING SCHEDULE

SYMBOL	FIXTURE	WATER HW	WATER CW	WATER WASTE	STOPS/ VALVES	MANUF.	MODEL	REMARKS
P1	WATER CLOSET HANDICAPPED	–	1/2"	3"	1/2"x3/8" ANGLE	AMERICAN STANDARD	2216.143	INSTALL PER HANDICAP REQ'MNTS, ELONGATED, 553 BENEKE SEAT OFLC
P2	LAVATORY WALL HUNG	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	AMERICAN STANDARD	0355.012	5401.142H AMERICAN STANDARD FAUCET, CHROME RISER, ANGLE STOP, CHROME ESCUTCHEON
P3	LAVATORY WALL HUNG, HANDICAP	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	AMERICAN STANDARD	0355.012	NOT USED
P4	LAVATORY COUNTER TOP	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	–	TOP/BASIN BY GC	5401.142H AMERICAN STANDARD FAUCET, CHROME RISER, ANGLE STOP, CHROME ESCUTCHEON
P5	LAVATORY COUNTER TOP HANDICAP	1/2"	1/2"	1-1/4"	1/2"x3/8" ANGLE	–	TOP/BASIN BY GC	5401.172H AMERICAN STANDARD FAUCET, CHROME RISER, ANGLE STOP, CHROME ESCUTCHEON
P6	25x22x6.5 (1) COMP. SINK ADA	1/2"	1/2"	1-1/2"	1/2"x3/8" ANGLE	JUST	SL-ADA-2225-A-GR	6830.372H AMERICAN STANDARD GOOSENECK FAUCET CHROME P-TRAP, RISER, ANGLE STOP, CHROME ESCUTCHEON, STRAINER JUST J-35
P7	BEAUTY SINK	1/2"	1/2"	2"	1/2"x3/8" ANGLE	BELVEDERE V/E Jeffrey 3300	3800	CAST IRON SINK, 622 FAUCET, 403C VAC BREAKER, CHROME P-TRAP, RISER, ANGLE STOP, CHROME ESCUTCHEON
P8	MOP SINK	1/2"	1/2"	2"	–	FLORESTONE	MSR-2424	MR-372 MOP HANGER, MR-370 HOSE & HASE BRACKET, MR-371 FAUCET w/VACUUM BREAKER
P9	LAUNDRY SINK FIBERGLASS	1/2"	1/2"	1-1/2"	1/2"x3/8" ANGLE	FIAT	FL-1	DELTA 2121 FAUCET, 8B VACUUM BREAKER CHROME P-TRAP, RISER, ANGLE STOP, CHROME ESCUTCHEON
P10	WHIRLPOOL TUB	3/4"	3/4"	2"	–	CENTURY TUBS	80	BY CONTRACTOR – PLUMBING SUB TO ROUGH-IN AND INSTALL COMPLETE
P11	SHOWER VALVE	1/2"	1/2"	3"	–	SYMMONS V/E Eljer 817-0013	96-500-B30	
P12	CLINICAL SINK WITH BEDPAN WASHER	1/2"	1" &1/2"	4"	–	AMERICAN STANDARD	9504.010	7880.024 BEDPAN CLEANSER, 8345.118.003 FAUCET, 1038 STERN WMS. TERRAZO BASE, 7832.017 RIM GD.
P13	WASHER BOX	1/2"	1/2"	2"	–	WATER-TITE	W8312	NOT USED
P14	FLOOR DRAIN	–	–	MATCH	–	J.R. SMITH	2005-AS-NB-94	ROUND TYPE
P15	FLOOR DRAIN	–	–	MATCH	–	J.R. SMITH	2005-AS-NB-94-P	ROUND TYPE, PROVIDE TRAP PRIMER
P16	–	–	–	–	–	–	–	NOT USED
P17	HUB DRAIN	–	–	MATCH	–	J.R. SMITH	2005-AS-NB-94-P	ROUND TYPE with FUNNEL, ZURN Z-328
P18	FLOOR SINK	–	–	3"	–	J.R. SMITH	3100-94	
P19	EMERGENCY EYE WASH	–	1/2"	2"	–	HAWS	7260BT	WALL MOUNTED ABS PLASTIC BOWL WITH TRAP
P20	–	–	–	–	–	–	–	NOT USED
P21	CAN WASH	3/4"	3/4"	3"	–	J.R. SMITH	2110	FUACET WITH V.B. WOODFORD HC67 NONFREEZE
P22	OUTSIDE HOSE BIBB	–	3/4"	–	GATE	WOODFORD	25CP	
P23	INTERIOR HOSE BIBB	–	1/2"	–	GATE	WOODFORD	24P	
P24	FINISH FLOOR CLEANOUT	–	–	MATCH	–	J.R. SMITH	4031	ROUND NICKEL BRONZE TOP
P25	EXTERIOR CLEANOUT	–	–	4"	–	J.R. SMITH	4470	
P26	WALL CLEANOUT	–	–	–	–	J.R. SMITH	4472	
P27	ELECTRIC WATER COOLER	–	1/2"	1-1/2"	–	OASIS	P8AM	
P28	HOT WATER BOILER	–	–	–	GATE/GAS	RAYPACK	W-1178 OUTDOOR	1160 GPH RECOVERY @ 100°F TEMP. RISE
P29	HOT WATER STOR. TANK	2-1/2"	2-1/2"	2"	GATE	ADAMSON	G72	379 GALLON INSULATE
P30	CIRCULATING PUMP	–	2"	–	–	GRUNDFOS	UPCC50-160	INSULATE, 70GPM @ 20FT HD 3/4HP @ 120V/1ø
P31	CIRCULATING PUMP	–	3/4"	–	–	GRUNDFOS	UP-15-42	5GPM @ 12FT HD 1/25HP @ 120V/1ø
P32	CIRCULATING PUMP	–	3/4"	–	GATE	GRUNDFOS	UP-26-99	15GPM @ 20FT HD 1/6HP @ 120V/1ø
P33	MIXING VALVE	1-1/2"	1-1/2"	–	–	SYMMONS	5-700A	
P34	DIAPHRAM TANK	–	1/2"	–	GATE	EXTROL	ST-30V-C	12.5 GAL. ACCEPTANCE
P35	–	–	–	–	–	–	–	NOT USED
P36	–	–	–	–	–	–	–	NOT USED
P37	GREASE INTERCEPTOR	–	–	4"	–	STAYRITE	–	VERIFY IF TRAFFIC RATING IS REQUIRED
P38	–	–	–	–	–	–	–	NOT USED
P39	33x22x6.5 (2) COMP. SINK ADA	1/2"	2"	1/2"	1/2"X3/8" ANGLE	JUST	DL-ADA-2233-A-GR	6275.172H AMERICAN STANDARD GOOSENECK FAUCET W/ CHROME P-TRAP, RISER, ANGLE STOP CHROME ESCUTCHEON, STRAINER JUST J-35
P40	49x22x6.5 (3) COMP. SINK ADA	1/2"	2"	1/2"	1/2"X3/8" ANGLE	JUST	TL-ADA-2249-A-GR	6275.170H AMERICAN STANDARD GOOSENECK FAUCET, CHROME P-TRAP, RISER, ANGLE STOP C.P. BRASS ESCUTCHEON, STRAINER JUST J-35

NOTES:

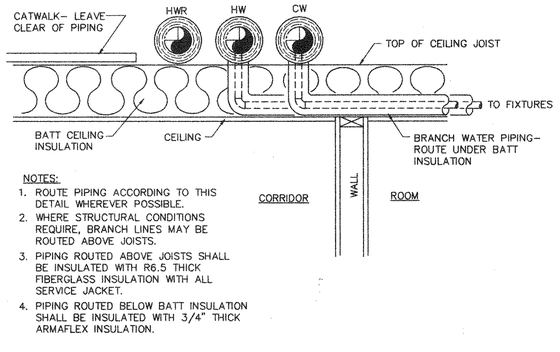
1. PIPING IN MECHANICAL ROOM SHOWN BY SCHEMATIC. CONTRACTOR SHALL ROUTE PIPING TO AVOID TRIPPING AT FLOOR AND ABOVE 7'-0" AFF. ARRANGE ALL EQUIPMENT SO THAT VALVES AND ITEMS REQUIRING MAINTENANCE ARE READILY ACCESSIBLE.
2. INSTALL TEMP. CONTROL VALVES STRICTLY IN ACCORDANCE WITH MFR.'S INSTRUCTIONS TO PREVENT HIGH TEMP BYPASS DURING PERIODS OF LOW DRAW.
3. BALANCE HWR CIRCUITS AS INDICATED ON PLANS.



P101 **MECHANICAL ROOM PIPING SCHEMATIC**
NOT TO SCALE

GENERAL PLUMBING NOTES:

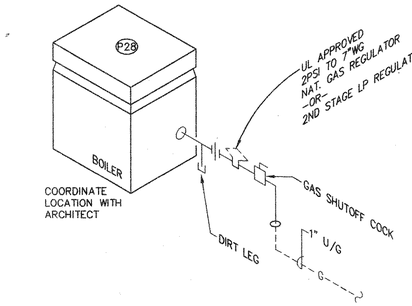
1. MAIN WATER LINES SHOWN ON THIS DRAWINGS. SEE TYPICAL PLANS FOR BRANCH PIPING NOT SHOWN
2. ROUTE WATER LINE IN ATTIC TO AVOID CATWALKS.
3. MINIMUM WATER LINE SIZE SHALL BE 1/2". MINIMUM VENT SIZE SHALL BE 2". MINIMUM WASTE SIZE SHALL BE 2".
4. ALL PIPING PENETRATIONS THRU SMOKE AND FIRE WALLS SHALL BE SEALED PER APPROPRIATE LISTED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
5. PLUMBING CONNECTIONS SHOWN ARE SCHEMATIC. ALL FITTINGS AND PIPING ARRANGEMENTS SHALL BE IN ACCORDANCE WITH APPLICABLE PLUMBING CODES.
6. PIPE ROUTING IS APPROXIMATE, ADJUST ROUTING AS REQUIRED TO CONFORM TO STRUCTURE.
7. ICE MAKERS SHALL DRAIN THRU 2" AIR GAP INTO FLOOR DRAIN. PROVIDE REMOVABLE No. 10 MESH SCREEN OVER PIPE DISCHARGE OPENING AND CUT VERTICAL DROP AT 45° ANGLE.
8. DO NOT INSTALL VTR'S ON FRONT FACING ROOF. EXTEND ALL VENTS TO EXIT BACK SIDE OF ROOF LINE.
9. RECESS ALL SHOWERS FLUSH WITH FLOOR FOR HANDICAPPED ACCESSIBILITY.
10. VERIFY AND COORDINATE PLUMBING CONNECTIONS WITH SITE UTILITY PLANS.
11. MAINTAIN 10'-0" MINIMUM BETWEEN ALL PLUMBING VENTS AND MECHANICAL INTAKES.



NOTES:

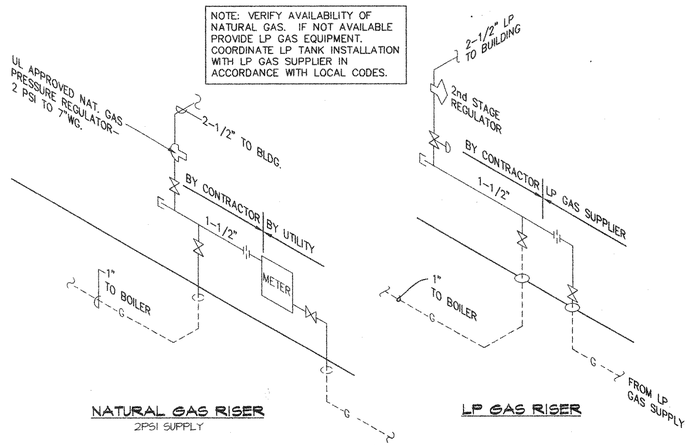
1. ROUTE PIPING ACCORDING TO THIS DETAIL WHEREVER POSSIBLE.
2. WHERE STRUCTURAL CONDITIONS REQUIRE, BRANCH LINES MAY BE ROUTED ABOVE JOISTS.
3. PIPING ROUTED ABOVE JOISTS SHALL BE INSULATED WITH R6.5 THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET.
4. PIPING ROUTED BELOW BATT INSULATION SHALL BE INSULATED WITH 3/4" THICK ARMAFLEX INSULATION.

P102 **WATER PIPING AT CORRIDOR**
NOT TO SCALE



P103 **BOILER GAS PIPING**
NOT TO SCALE

NOTE: VERIFY AVAILABILITY OF NATURAL GAS. IF NOT AVAILABLE PROVIDE LP GAS EQUIPMENT. COORDINATE LP TANK INSTALLATION WITH LP GAS SUPPLIER IN ACCORDANCE WITH LOCAL CODES.



P104 **LP GAS RISER**
NOT TO SCALE

PLUMBING LOADS	
WASTE	356 F.U.
WATER	110 GPM

GAS LOADS	
DESCRIPTION	INPUT MBH
BOILER	1178
FRYER	90
RANGE	232
OVEN	80
DRYERS	600
STEAMER	90
TOTAL	2270

PLUMBING LEGEND

- COLD WATER PIPING
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- 140° HOT WATER PIPING
- 140°R HOT WATER RETURN PIPING
- G GAS PIPING – BELOW GRADE
- G GAS PIPING – ABOVE GRADE
- WASTE PIPING
- VENT PIPING
- WATER PIPING RUN UNDER FLOOR
- (P1) FIXTURE SYMBOL– SEE SCHEDULE & SPECS.
- VTR VENT THRU ROOF
- FCO FLOOR CLEANOUT
- WCO WALL CLEANOUT
- COG CLEANOUT ON GRADE
- AFG ABOVE FINISH GRADE
- AFF ABOVE FINISH FLOOR
- CONNECT NEW TO EXISTING
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- HOSE BIBB
- UNION
- STRAINER
- T TEMPERATURE GAUGE
- P PRESSURE GAUGE
- BALL VALVE
- CIRCUIT SETTER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 10592 JAMES R. BENSON
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Cabarrus, North Carolina

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SCHEDULE, DETAILS AND LEGEND

P 1

3-1-00

99177P1
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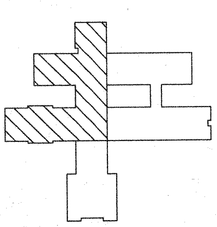
P201 **PLUMBING PLAN**

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

KEY PLAN



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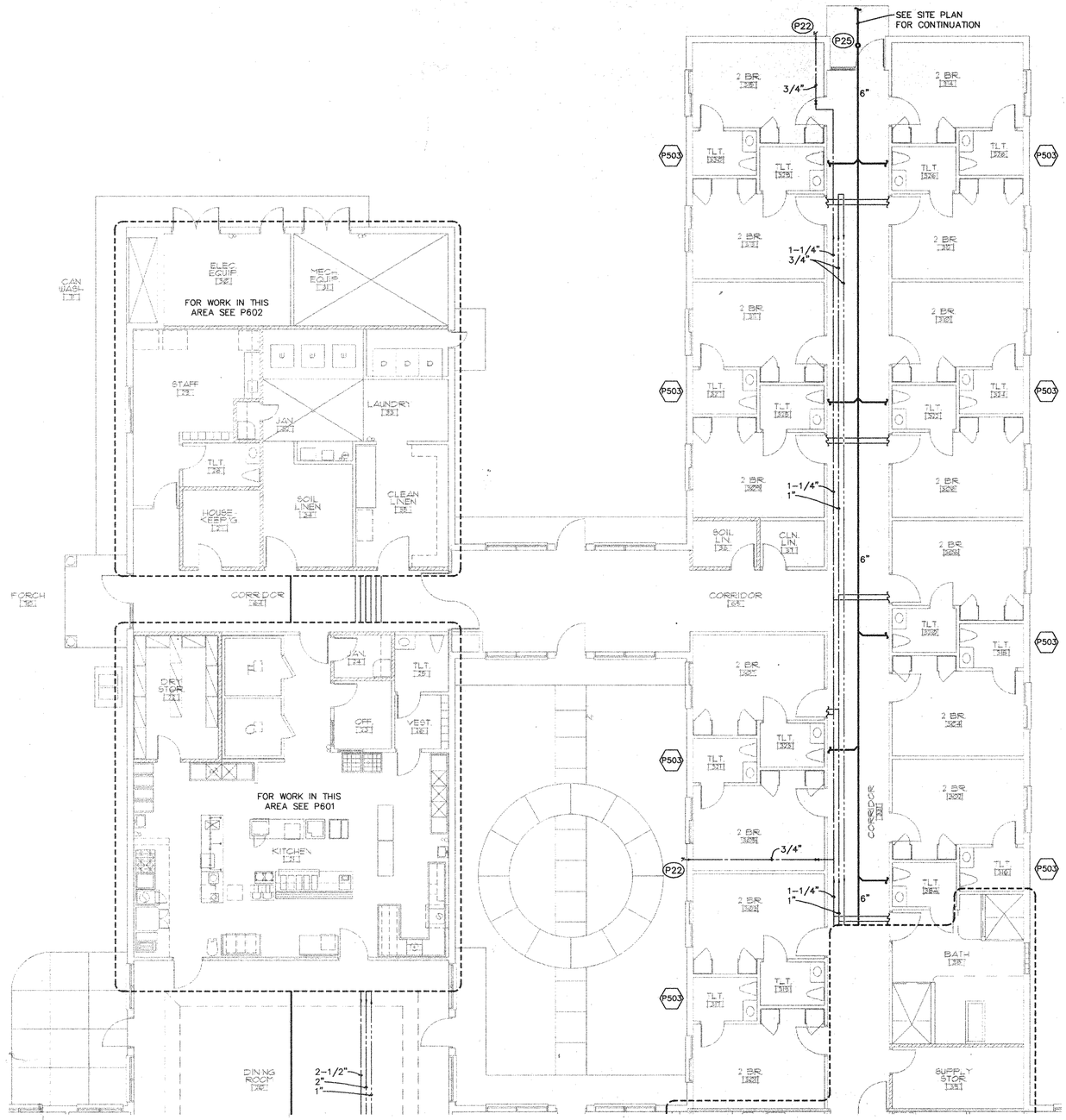
9917P2

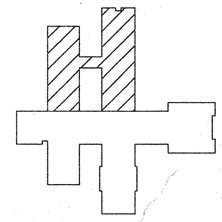
2 P	PLUMBING FLOOR PLANS	**David R. Polston - Architect** 3806 Park Ave. Suite 2-L, Wilmington, NC 28403 Architecture Planning Design	**CABARRUS COUNTY NURSING FACILITY** Cabarrus, North Carolina	NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 10692 JAMES R. MCFADYEN 3/1/00

3-1-00



P301 **PLUMBING PLAN**

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



KEYPLAN

99177P3

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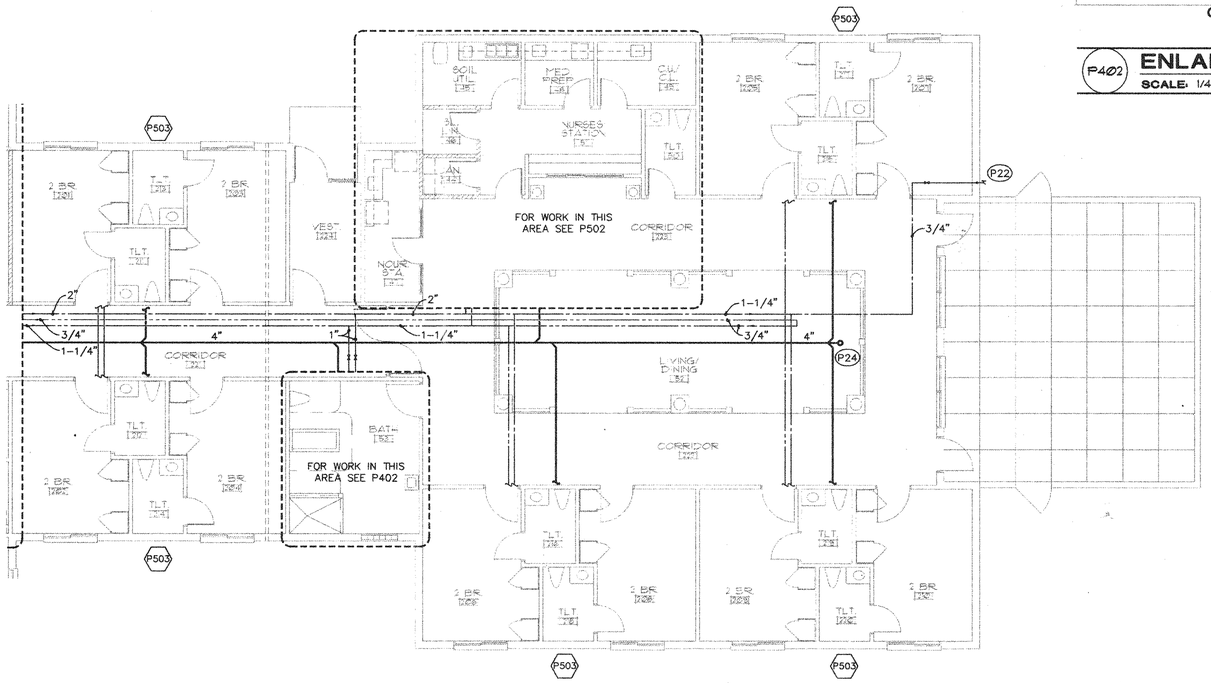
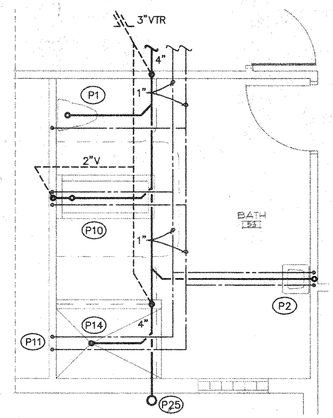
PLUMBING FLOOR PLANS

P3

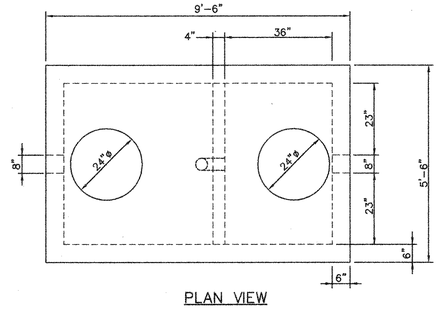
3-1-00



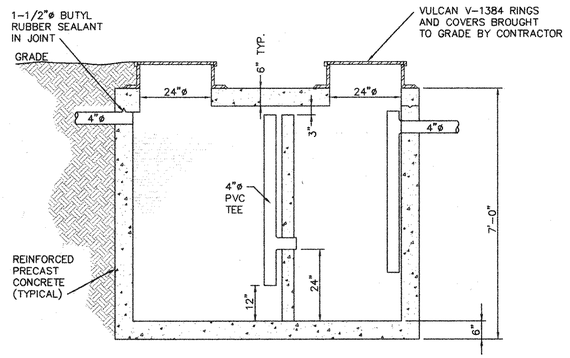
P401 **PLUMBING PLAN**
SCALE: 1/8" = 1'-0"



P402 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"

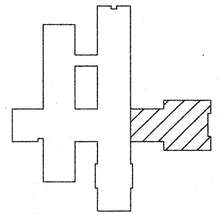


PLAN VIEW



SECTION

P403 **1500 GALLON GREASE INTERCEPTOR**
NOT TO SCALE



KEYPLAN

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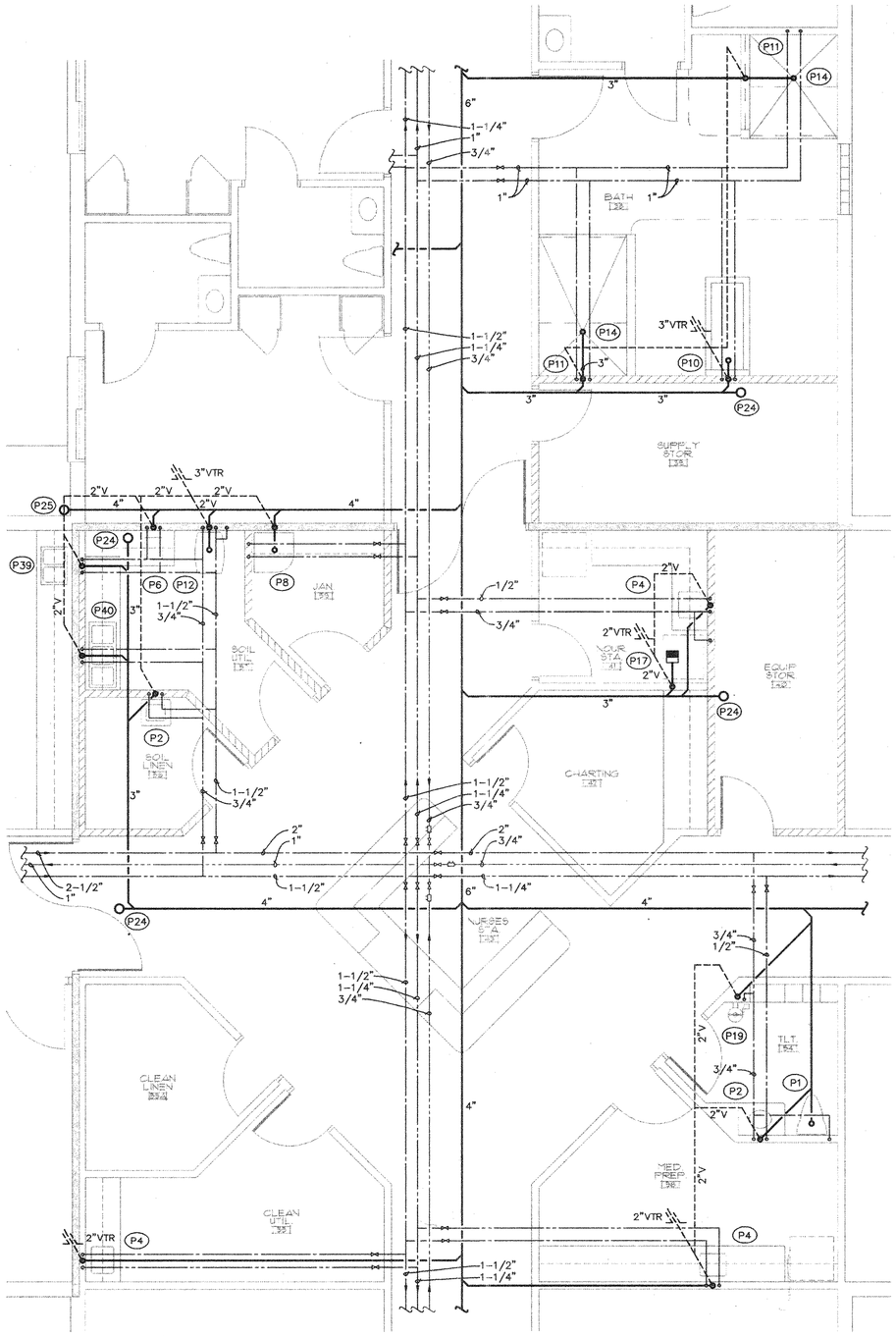
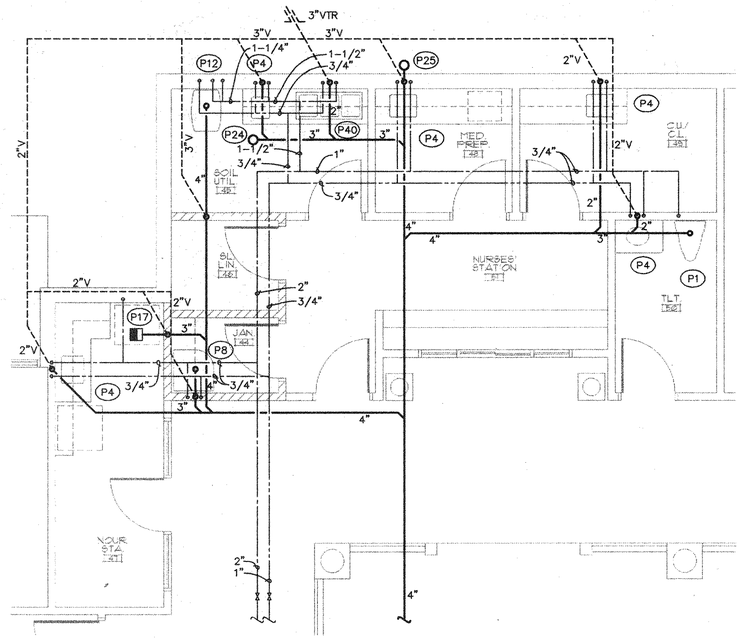
PLUMBING FLOOR PLANS

P 4

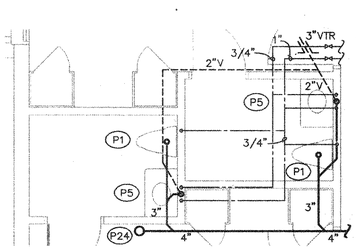
3-1-00



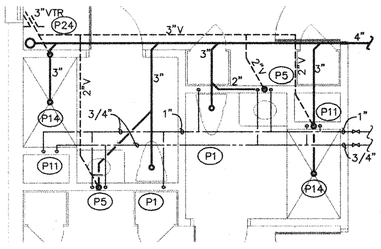
P501 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"



P502 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"



P503 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"



P504 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"

99177P5

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER JAMES R. BENSON
3/1/00

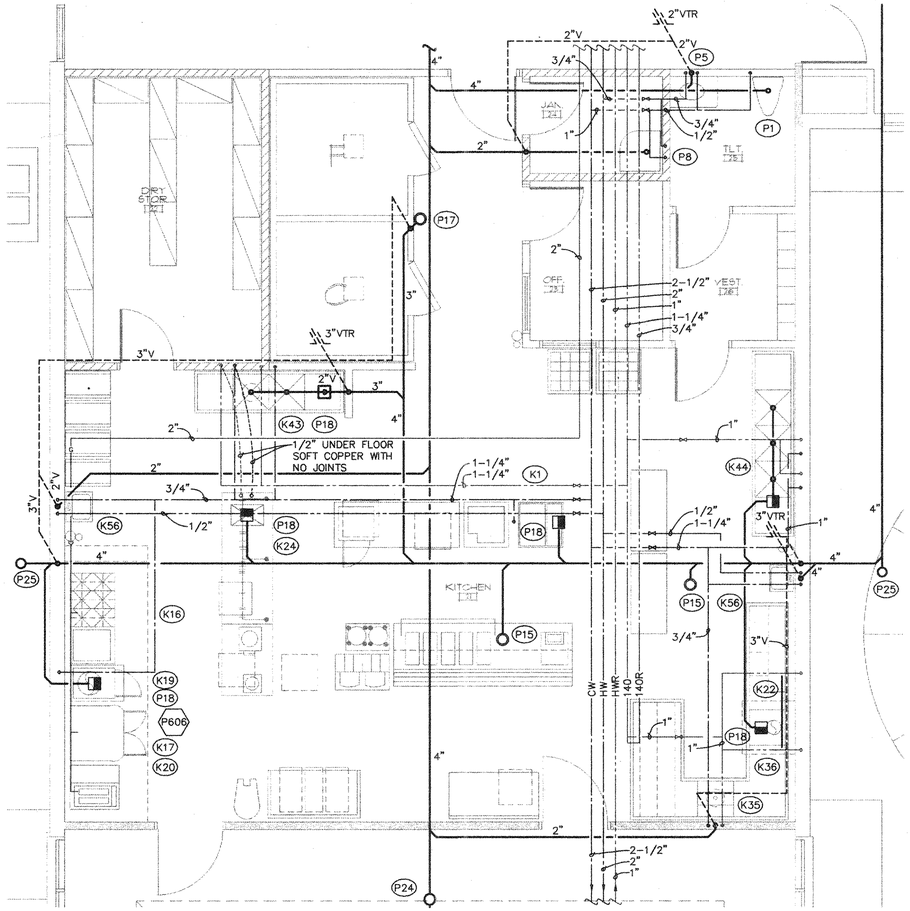
CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

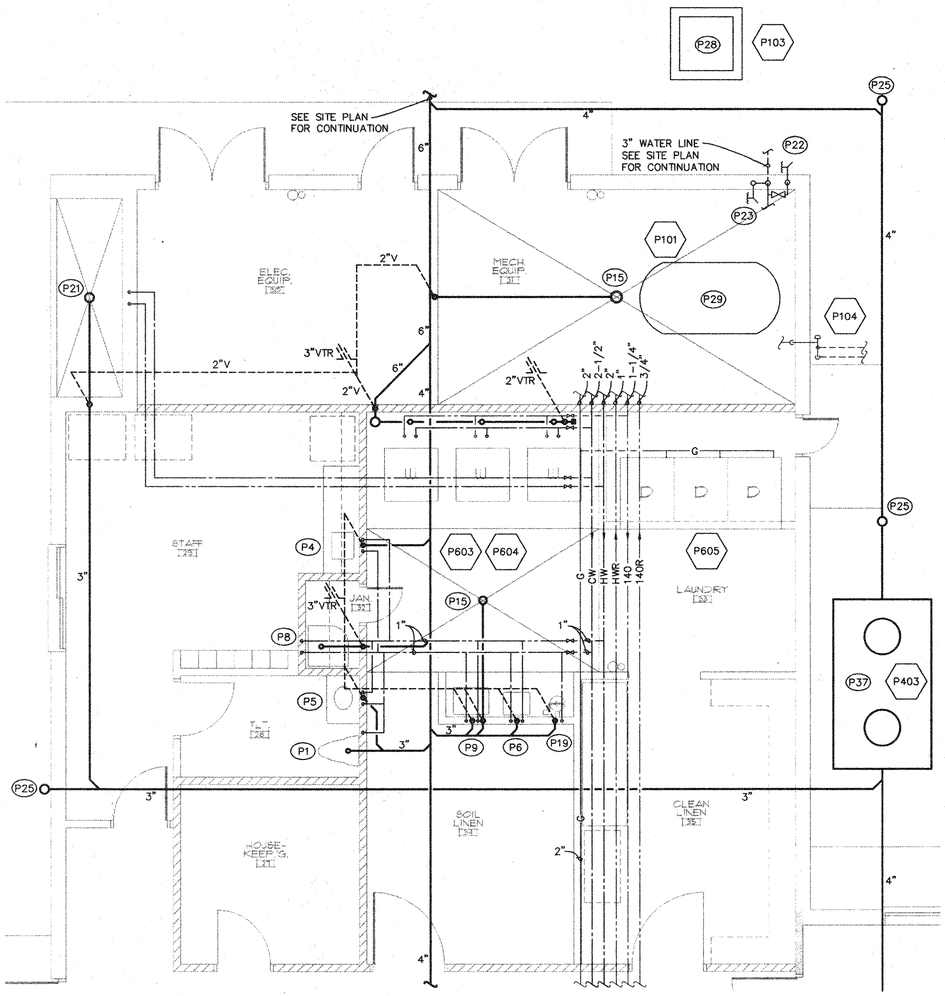
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

ENLARGED FLOOR PLANS

P5

3-1-00





P601 ENLARGED PLAN

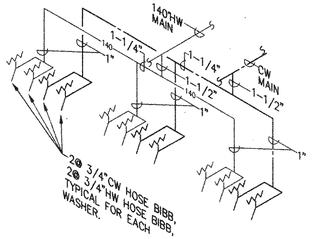
SCALE: 1/4" = 1'-0"

KITCHEN NOTES:

1. PLUMBING FOR KITCHEN EQUIPMENT BASED ON ASSUMED MODELS. VERIFY ACTUAL REQUIREMENTS WITH KITCHEN EQUIPMENT PROVIDED.
2. LOCATE ROUGH-INS FOR KITCHEN EQUIPMENT PER KITCHEN EQUIPMENT SHOP DRAWINGS. PROVIDE ALL PLUMBING CONNECTIONS, ACCESSORIES, ETC. REQUIRED FOR PROPER OPERATION OF KITCHEN EQUIPMENT.
3. VERIFY LOCAL HEALTH DEPT. REQUIREMENTS PRIOR TO INSTALLING KITCHEN PLUMBING.

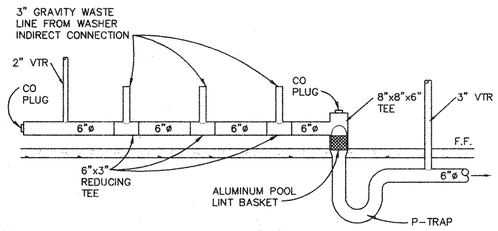
P602 ENLARGED PLAN

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



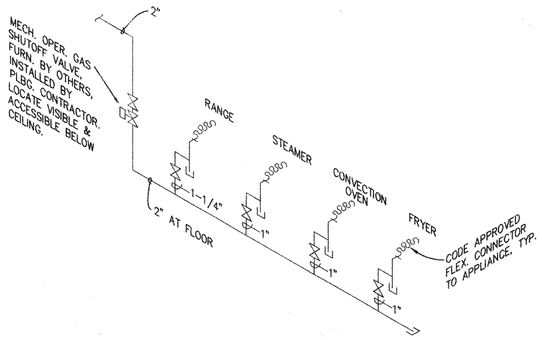
P603 WASHER WATER DETAIL

NOT TO SCALE



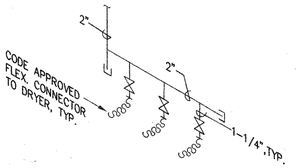
P604 WASTE DRAIN @ WASHER DETAIL

NOT TO SCALE



P606 KITCHEN GAS PIPING

NOT TO SCALE



P605 DRYER GAS PIPING

NOT TO SCALE

KITCHEN EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	HW	CW	WASTE	GAS	REMARKS
K1	CUBE ICE MAKER	–	1/2"	–	–	SPILL IN FLOOR SINK
K16	RANGE	–	–	–	1-1/4"	232 MBH INPUT
K17	CONVECTION OVEN	–	–	–	1"	80 MBH INPUT
K19	STEAMER	–	1/2"	–	1"	90 MBH INPUT, SPILL IN FLOOR SINK
K20	FRYER	–	–	–	1"	90 MBH INPUT
K24	TABLE	1/2"	1/2"	–	–	SPILL IN FLOOR SINK
K35	FOOD WASTE DISPOSER	1/2"	1/2"	2"	–	
K36	DISHWASHING MACHINE	3/4"	–	–	–	SPILL IN FLOOR SINK
K43	VEG. PREP SINK 2 COMPARTMENT	1/2"	1/2"	–	–	SPILL IN FLOOR SINK
K44	POT SINK 3 COMPARTMENT	1/2"	1/2"	–	–	SPILL IN FLOOR SINK
K56	HAND SINK	1/2"	1/2"	2"	–	

99177P6
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ENLARGED FLOOR PLANS

P 6

3-1-00

THROUGH WALL HEAT PUMP SCHEDULE

MARK	COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL				MODEL NO.	REMARKS
	TOTAL MBH	ENT. AIR °Fdb/°Fwb	O.D. AIR °F	TOTAL MBH	ENT. AIR °F	O.D. AIR °F	VOLTAGE	SUPPL. KW	MCA	RECPT AMPS		
TW-1	11.8	80/67	95	11.5	70	47	208/1ø	2.82	20	20	ZONELINE AZ31H12D3D	--

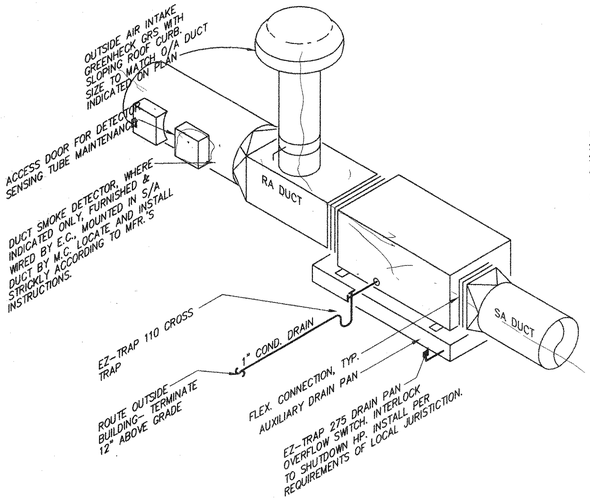
PROVIDE HEAT PUMP COMPLETE WITH WALL SLEEVE, ARCHITECTURAL GRILLE (IN COLOR SELECTED BY ARCHITECT), CORD/PLUG SET, UNIT MOUNTED FAN/TEMPERATURE CONTROLS, AND CONDENSATE REMOVAL SYSTEM. SET O/A IN BEDROOM UNITS TO MATCH TOILET EXHAUST AIR.

ENERGY RECOVERY UNIT SCHEDULE

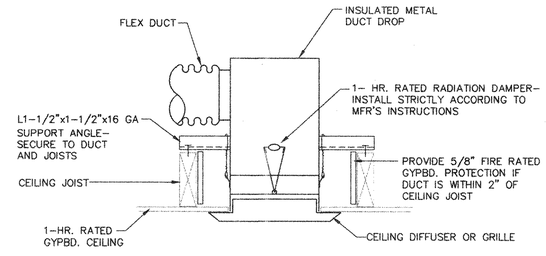
MARK	SUPPLY FAN			EXHAUST FAN			MIN. RCVY. EFF.	VOLTAGE	CONFIGURATION	REMARKS
	CFM	ESP I.W.G.	HP	CFM	ESP I.W.G.	HP				
ER-1	760	.20	.25	760	.20	.33	62%	120/1ø	HORIZ	SEMCO FV500
ER-2	525	.25	.25	525	.25	.33	64%	120/1ø	HORIZ	SEMCO FV500
ER-3	525	.25	.25	525	.25	.33	64%	120/1ø	HORIZ	SEMCO FV500

REGISTER AND DIFFUSER SCHEDULE

MARK	NECK SIZE	SERVICE	STYLE	REMARKS
A	6x6	SUPPLY	LOUVER DIFFUSER, 4-WAY, SURF. MTD.	PRICE SMD w/5"ø BRANCH
B	9x9	SUPPLY	LOUVER DIFFUSER, 4-WAY, SURF. MTD.	PRICE SMD w/8"ø BRANCH
C	12x12	SUPPLY	LOUVER DIFFUSER, 4-WAY, SURF. MTD.	PRICE SMD w/10"ø BRANCH
D	15x15	SUPPLY	LOUVER DIFFUSER, 4-WAY, SURF. MTD.	PRICE SMD w/12"ø BRANCH
AA	8x8	RETURN	CEILING GRILLE, 45° DEFL., SURF.MTD.	PRICE 530
BB	14x14	RETURN	CEILING GRILLE, 45° DEFL., SURF.MTD.	PRICE 530
CC	18x18	RETURN	CEILING GRILLE, 45° DEFL., SURF.MTD.	PRICE 530
DD	36x18	RETURN	CEILING GRILLE, 45° DEFL., SURF.MTD.	PRICE 530



M101 TYPICAL IDU DETAIL
NOT TO SCALE



INSTALL RADIATION DAMPER PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN LISTING

M103 RADIATION DAMPER DETAIL
NOT TO SCALE

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	ARI COOLING 80/67/95			ARI HEATING 70/47		INDOOR UNIT					OUTDOOR UNIT		REMARKS
	TOTAL MBH	SENS. MBH	EER	TOTAL MBH	COP	TOTAL CFM	O/A CFM	ESP IWG	AUX. KW	VOLTAGE	MCA/ MOCP	VOLTAGE	MCA/ MOCP	
HP-1	56.5	38.7	10	55.5	3	2000	*	.50	7.8	208V/3ø	35/35	208V/3ø	24/40	TRANE TWE060/TWA060
HP-2	56.5	38.7	10	55.5	3	2000	*	.50	7.8	208V/3ø	35/35	208V/3ø	24/40	TRANE TWE060/TWA060
HP-3	56.5	38.7	10	55.5	3	2000	*	.50	11.5	208V/3ø	45/45	208V/3ø	24/40	TRANE TWE060/TWA060
HP-4	56.5	38.7	10	55.5	3	2000	*	.50	11.5	208V/3ø	45/45	208V/3ø	24/40	TRANE TWE060/TWA060
HP-5A	56.5	38.7	10	55.5	3	2000	*	.50	11.5	208V/3ø	45/45	208V/3ø	24/40	TRANE TWE060/TWA060
HP-5B	56.5	38.7	10	55.5	3	2000	*	.50	11.5	208V/3ø	45/45	208V/3ø	24/40	TRANE TWE060/TWA060
HP-6	46.5	32.0	10	42.0	3	1600	*	.50	11.5	208V/3ø	45/45	208V/3ø	22/35	TRANE TWE048/TWA048
HP-7	24.2	17.6	10	22.2	3	800	*	.50	4.3	208V/1ø	29/30	208V/1ø	16/20	TRANE TWE024/TWR024
HP-8	24.2	17.6	10	22.2	3	800	*	.50	3.6	208V/1ø	25/30	208V/1ø	16/20	TRANE TWE024/TWR024
HP-9	56.5	38.7	10	55.5	3	2000	*	.50	11.5	208V/3ø	45/45	208V/3ø	24/40	TRANE TWE060/TWA060
HP-10	46.5	32.0	10	42.0	3	1600	*	.50	11.5	208V/3ø	45/45	208V/3ø	22/35	TRANE TWE048/TWA048
HP-11	24.2	17.6	10	22.2	3	800	*	.50	5.8	208V/1ø	38/40	208V/1ø	16/20	TRANE TWE024/TWR024
HP-12	30.0	19.9	10	30.0	3	1000	*	.50	7.8	208V/3ø	32/35	208V/3ø	15/25	TRANE TWE030/TWA030
HP-13	35.2	23.8	10	32.6	3	1200	*	.50	7.8	208V/3ø	33/35	208V/3ø	17/25	TRANE TWE036/TWA036

* SEE PLANS

BASEBOARD HEATER SCHEDULE

MARK	LENGTH	KW	VOLTAGE	REMARKS
BB-1	6'-0"	1.50	208/1ø	FASCO 208A6

PROVIDE 24 VOLT TEMPERATURE CONTROLS WITH WALL MOUNTED HEATING THERMOSTAT.

DUCT HEATER SCHEDULE

MARK	SIZE	KW	VOLTAGE	REMARKS
DH-1	10x8	4.0	208/1ø	INDEECO QUA-2 STEP

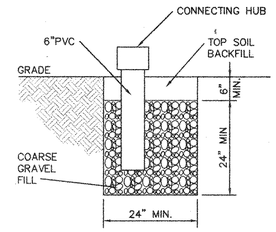
PROVIDE 24 VOLT TEMPERATURE CONTROLS WITH WALL MOUNTED 2 STAGE HEATING THERMOSTAT. INCLUDE HIGH TEMPERATURE CUTOFF SWITCH AND INTERLOCK TO OPERATE HEATER ONLY WHEN ERU FAN IS ON.

FAN SCHEDULE

MARK	STYLE	CFM	ESP	H.P.	VOLTAGE	REMARKS
F-1	CENTRIF	1000	.25	1/6	120V/1ø	GREENHECK G-130-B (1)(2)
F-2	CENTRIF	275	.25	1/30	120V/1ø	GREENHECK G-85-G (1)
F-3	CENTRIF	1115	.25	1/6	120V/1ø	GREENHECK G-130-B (1)
F-4	CENTRIF	835	.25	1/6	120V/1ø	GREENHECK G-120-B (1)
F-5	CENTRIF	765	.25	1/6	120V/1ø	GREENHECK G-120-B (1)
F-6	CENTRIF	700	.25	1/6	120V/1ø	GREENHECK G-100-B (1)
F-7	CENTRIF	1200	.25	1/6	120V/1ø	GREENHECK G-130-B (1)
F-8	CENTRIF	500	.25	1/12	120V/1ø	GREENHECK G-95-G (1)
F-9	CENTRIF	480	.25	1/12	120V/1ø	GREENHECK G-95-G (1)
AF-1	ATTIC VENT	1600	--	1/8	120V/1ø	BROAN 356

(1) PROVIDE WITH MATCHING SLOPED ROOF CURB AND AUTO BACKDRAFT DAMPER.

(2) PROVIDE LINE VOLTAGE COOLING THERMOSTAT SET TO START FAN AT 80°F.



M104 FRENCH DRAIN DETAIL
NOT TO SCALE

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

Prescriptive ☒ Energy Cost Budget ☐

Thermal Zone V

Exterior design conditions
- winter dry bulb 18°F
- summer dry bulb 94°F

Interior design conditions
- winter dry bulb 75°F
- summer dry bulb 75°F
- relative humidity 50%

Building heating load 621.4 MBH

Building cooling load 65.9 TONS

Mechanical Spacing Conditioning System
- Unitary
  - description of unit SEE SCHEDULES THIS SHEET
  - heating efficiency SEE SCHEDULES THIS SHEET
  - cooling efficiency SEE SCHEDULES THIS SHEET
  - heat output of unit SEE SCHEDULES THIS SHEET
  - cooling output of unit SEE SCHEDULES THIS SHEET
- boiler
  - total boiler output. If oversized, state reason. N/A
- chiller
  - total chiller capacity. If oversized, state reason. N/A

List equipment efficiencies

Equipment schedules with motors (mechanical systems)
- motor horsepower N/A
- number of phases
- minimum efficiency
- motor type
- of poles

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

SIGNED: James R Benson III

NAME: JAMES R. BENSON, III

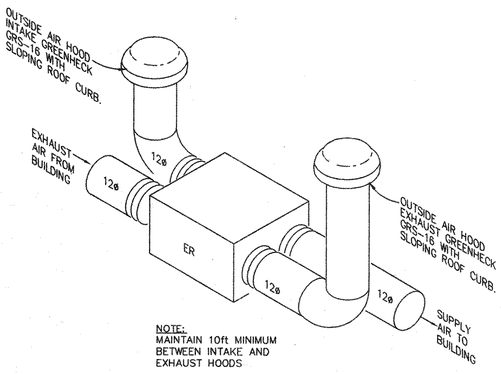
TITLE: MECHANICAL ENGINEER

MECHANICAL LEGEND

- OA OUTSIDE AIR
- SA SUPPLY AIR
- RA RETURN AIR
- IDU INDOOR UNIT
- ODU OUTDOOR UNIT
- OATR OUTSIDE AIR INTAKE THRU ROOF
- (T) THERMOSTAT
- (S) DUCT SMOKE DETECTOR
- (E) EMERGENCY FAN SWITCH, SEE SPECS.
- C CONDENSATE PIPING
- R REFRIGERANT PIPING
- ROUND BRANCH DUCT
- BRANCH DUCT CONNECTION- PROVIDE ADJ. AIR EXTRACTOR IN S/A DUCT
- MARK CFM REGISTER AND DIFFUSER MARK SEE SCHEDULE
- CEILING SUPPLY AIR DIFFUSER
- CEILING RETURN AIR REGISTER
- MVD MANUAL VOLUME DAMPER
- F=2 ROOF EXHAUST FAN- PROVIDE ROOF CURB AND AUTO. BACK-DRAFT DAMPER. SEE FAN SCHEDULE.
- FD FRENCH DRAIN - SEE M104.
- (+) POSITIVE ROOM PRESSURE
- (-) NEGATIVE ROOM PRESSURE

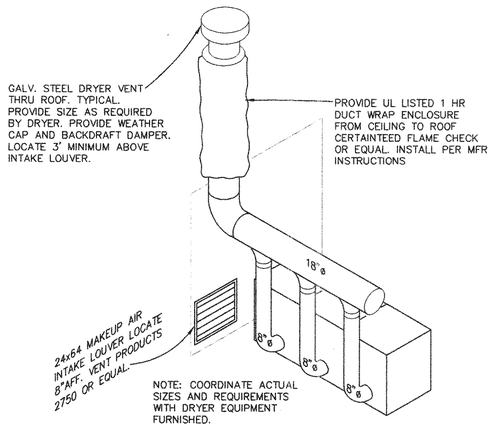
GENERAL MECHANICAL NOTES:

1. ALL CEILINGS ARE FIRE RATED. PROVIDE SUITABLE RADIATION DAMPERS AT ALL DUCT, DIFFUSER OR GRILLE LOCATIONS. SEE DETAIL M103.
2. ALL PIPING PENETRATIONS THRU RATED PARTITIONS SHALL BE PER PENETRATION DETAILS SHEET A002.
3. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 10'-0" MIN. FROM ANY PLUMBING VENT TERMINAL.
4. ALL ROOF MOUNTED EQUIPMENT, INTAKES, CAPS, ETC. SHALL BE LOCATED ON THE REAR FACE OF THE ROOF.
5. PAINT ALL OATR'S IN COLOR TO MATCH ROOF.
6. BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE MAY HAVE 6'-0" LONG MAX. FLEX DUCT CONNECTOR
7. ROOMS WITH POSITIVE OR NEGATIVE PRESSURE SHALL HAVE DOORS UNDERCUT BY 3/4". UNDERCUT SHALL NOT VOID RATING OF LABELED DOORS.
8. ROUTE DUCTWORK AND PIPING IN ATTIC TO AVOID CATWALKS.
9. BALANCE ALL FAN AND AIR CONDITIONING SYSTEMS TO CFM'S INDICATED ON PLANS. PROVIDE BALANCING DAMPERS ON ALL S/A AND R/A RUNOUTS.
10. SEE SPECS FOR PROCEDURE ON APPROVAL OF EQUIVALENT MATERIALS AND EQUIPMENT.
11. EQUIPMENT AND DUCTWORK LOCATIONS IN ATTIC ARE APPROXIMATE BASED ON ASSUMED ROOF FRAMING ARRANGEMENTS. ADJUST AND COORDINATE WITH ACTUAL FIELD CONDITIONS AS REQUIRED TO PROVIDE CLEARANCES FOR CODE AND MAINTENANCE.
12. REFRIGERANT PIPING RUNS SHALL BE SIZED AND ARRANGED IN STRICT ACCORDANCE WITH MFR'S RECOMMENDATIONS. PROVIDE ACCUMULATOR, DRYER, TXP VALVE AND OTHER ACCESSORIES AS RECOMMENDED.
13. COORDINATE REGISTER DIFFUSER LOCATIONS WITH LIGHTS, SMOKE DETECTORS ETC. ADJUST LOCATIONS AS REQUIRED.
14. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION THAT ALL EQUIPMENT INSTALLED IN ATTIC CAN BE REMOVED THROUGH ACCESS OPENINGS PROVIDED IN ACCORDANCE WITH CODE.
15. ALL ROOMS ARE NEUTRAL PRESSURE UNLESS OTHERWISE INDICATED.



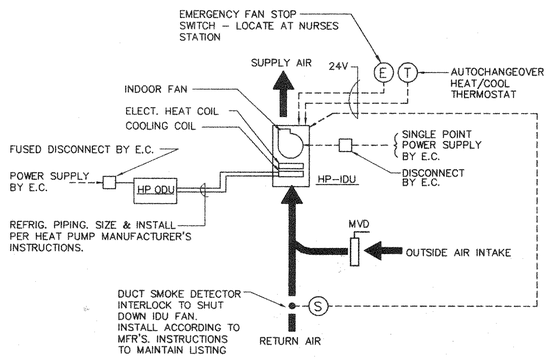
NOTE:
MAINTAIN 10ft MINIMUM BETWEEN INTAKE AND EXHAUST HOODS

M102 ENERGY RECOVERY UNIT DETAIL
NOT TO SCALE



NOTE: COORDINATE ACTUAL SIZES AND REQUIREMENTS WITH DRYER EQUIPMENT FURNISHED.

M106 DRYER EXHAUST DETAIL
NOT TO SCALE



M108 TYPICAL HEAT PUMP SYSTEM
NOT TO SCALE

99177M1

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3/1/00

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Cabarrus, North Carolina

David R. Polston - Architect
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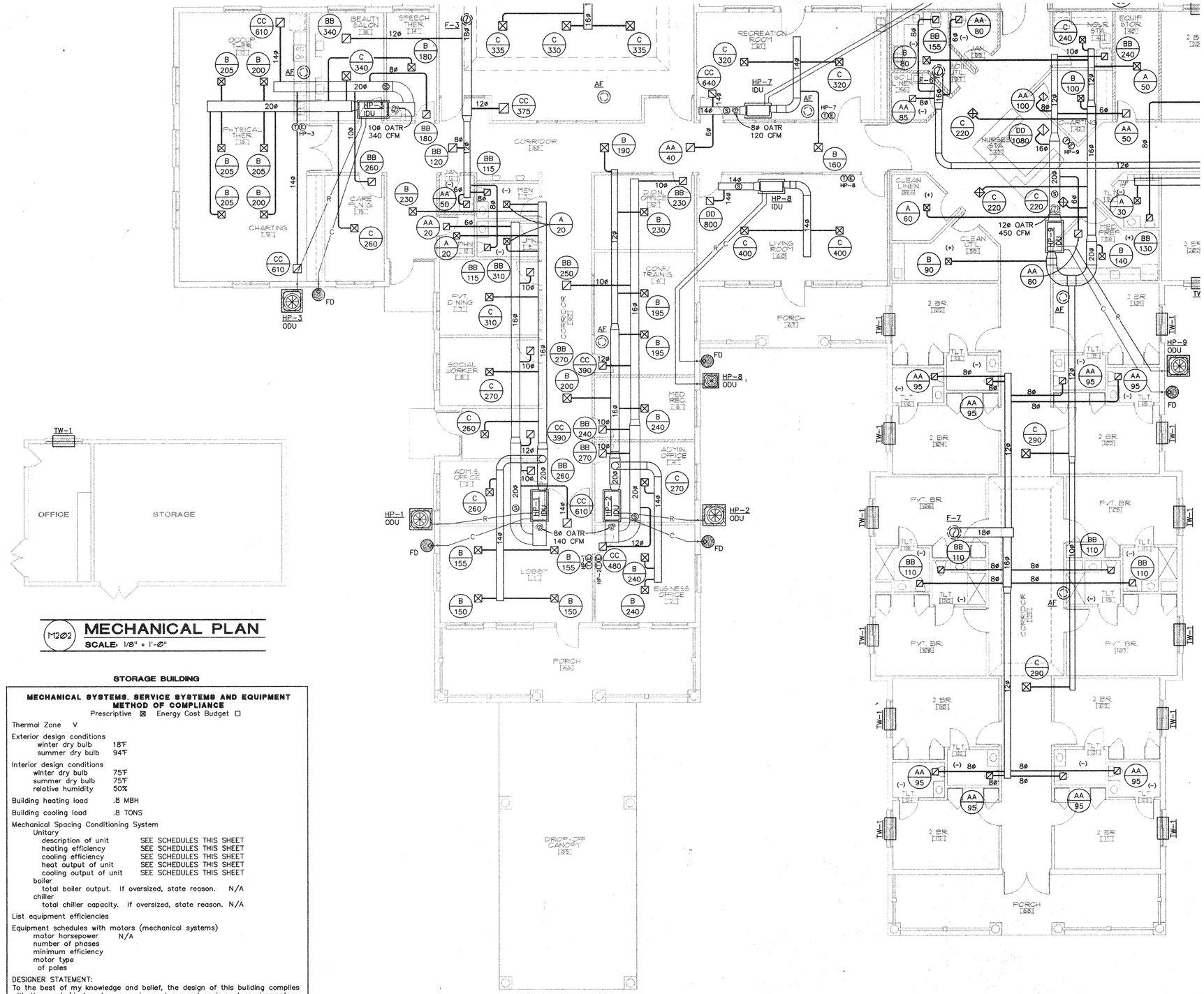
Architecture Planning Design

SCHEDULES, DETAILS AND LEGEND

M 1

3-1-00



M202 **MECHANICAL PLAN**
SCALE: 1/8" = 1'-0"

M201 **MECHANICAL PLAN**
SCALE: 1/8" = 1'-0"

KEYPLAN

STORAGE BUILDING

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

Prescriptive ☒ Energy Cost Budget ☐

Thermal Zone V

Exterior design conditions
- winter dry bulb 18°F
- summer dry bulb 94°F

Interior design conditions
- winter dry bulb 75°F
- summer dry bulb 75°F
- relative humidity 50%

Building heating load .8 MBH

Building cooling load .8 TONS

Mechanical Spacing Conditioning System
- Unitary
  - description of unit SEE SCHEDULES THIS SHEET
  - heating efficiency SEE SCHEDULES THIS SHEET
  - cooling efficiency SEE SCHEDULES THIS SHEET
  - heat output of unit SEE SCHEDULES THIS SHEET
  - cooling output of unit SEE SCHEDULES THIS SHEET
- boiler
  - total boiler output. If oversized, state reason. N/A
- chiller
  - total chiller capacity. If oversized, state reason. N/A

List equipment efficiencies

Equipment schedules with motors (mechanical systems)
- motor horsepower N/A
- number of phases
- minimum efficiency
- motor type
- of poles

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

SIGNED: James R. Benson

NAME: JAMES R. BENSON, III

TITLE: MECHANICAL ENGINEER

99177M2

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Architecture Planning Design

MECHANICAL FLOOR PLANS

M 2

3-1-00

KITCHEN VENTILATION EQUIPMENT SCHEDULE

MARK	DESCRIPTION	EXHAUST FAN				SUPPLY FAN				REMARKS
		CFM	S.P.	H.P.	VOLT	CFM	S.P.	H.P.	VOLT	
KH-1	KITCHEN HOOD	3500	.90	1.5	208/3ø	2700	.50	.75	208/3ø	CAS - CA18B/G-12
DW-1	DISHWASHER HOOD	390	.20	1/12	120/1ø	–	–	–	–	ACME CAD100

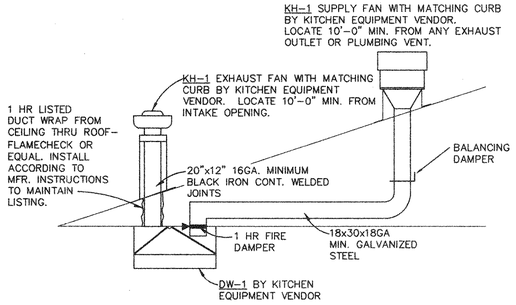
KITCHEN EQUIPMENT NOTES:

1. SEE ARCHITECTURAL SHEETS FOR EXACT ARRANGEMENTS AND INSTALLATION DETAILS FOR KITCHEN VENTILATION EQUIPMENT.

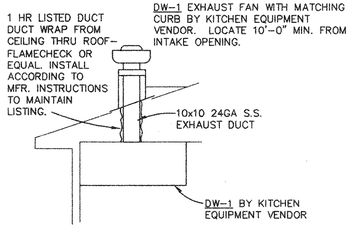
2. ALL KITCHEN VENTILATION EQUIPMENT FURNISHED BY KITCHEN EQUIPMENT VENDOR.

3. SIZES LISTED APPLICABLE TO SPECIFIED KITCHEN VENTILATION EQUIPMENT. MECHANICAL CONTRACTOR TO COORDINATE WITH KITCHEN EQUIPMENT VENDOR AND GENERAL CONTRACTOR TO PROVIDE COMPLETE OPERABLE SYSTEMS IN COMPLIANCE WITH ALL APPLICABLE CODES, FOR KITCHEN VENTILATION EQUIPMENT FURNISHED.

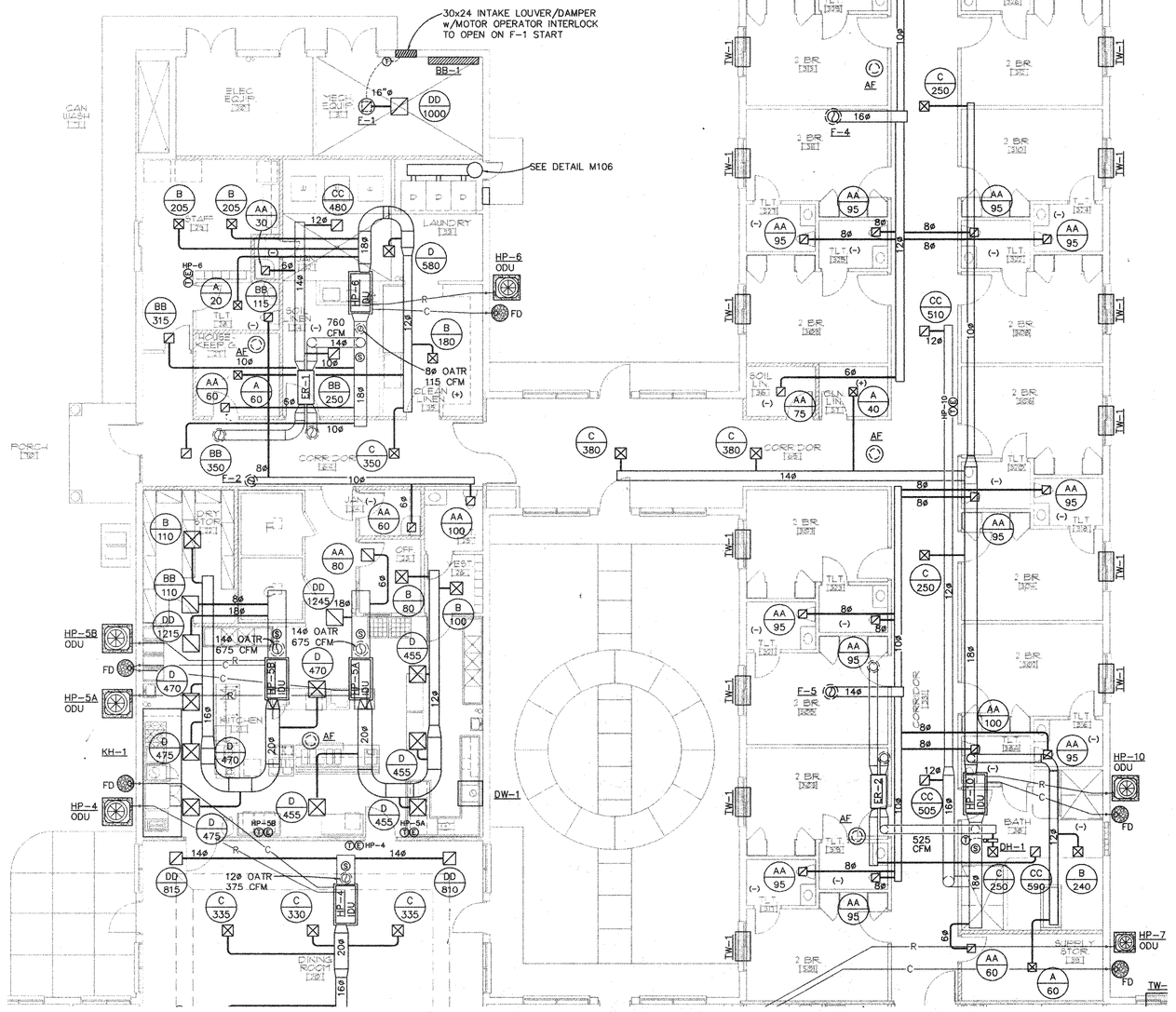
4. SEE ELECTRICAL DRAWINGS FOR FIRE SUPPRESSION INSTALLATION.



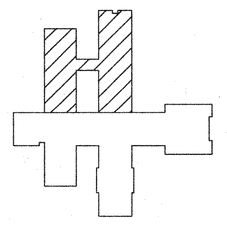
M302 **KITCHEN EXHAUST HOOD**
NOT TO SCALE



M303 **DISHWASHER EXHAUST DETAIL**
NOT TO SCALE



M301 **MECHANICAL PLAN**
SCALE: 1/8" = 1'-0"


KEYPLAN

McFadyen O'Briant Consulting Engineers, Inc.
3808 Park Avenue
Post Office Box 4184
Wilmington, NC 28406
telephone 910/791-4000
facsimile 910/791-5266
www.mcfadyenobriant.com

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9917M3

NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER JAMES R. ERNSON III
3/1/00

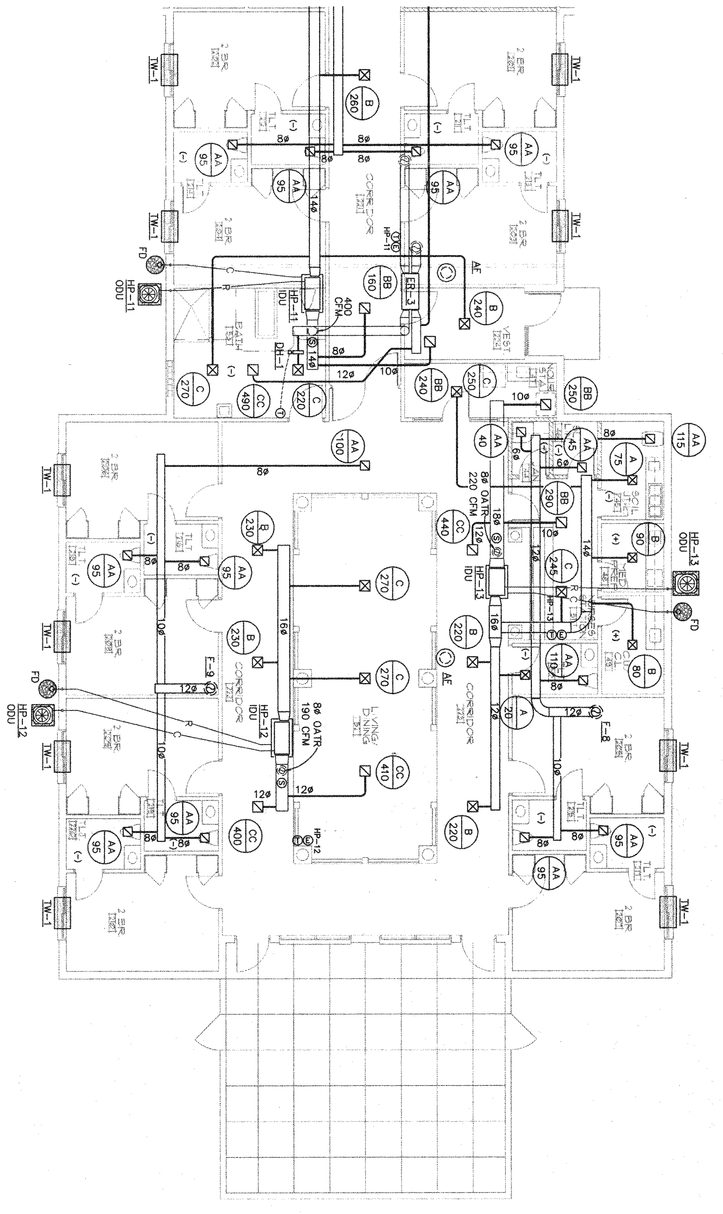
CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

MECHANICAL FLOOR PLANS

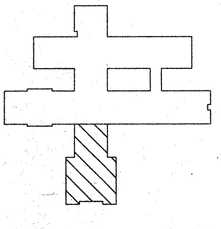
M 3

3-1-00



M4@1 MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

KEYPLAN



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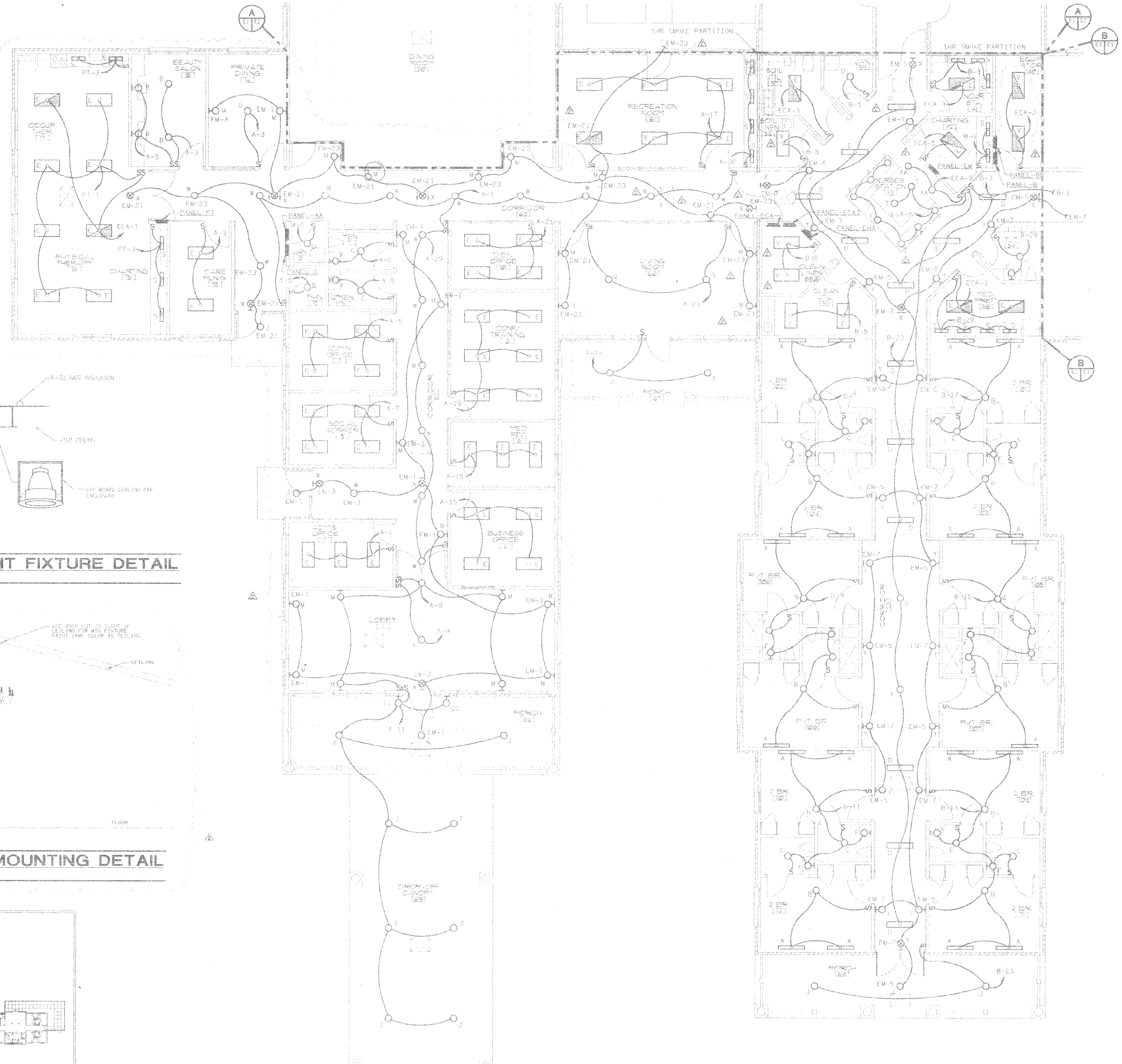
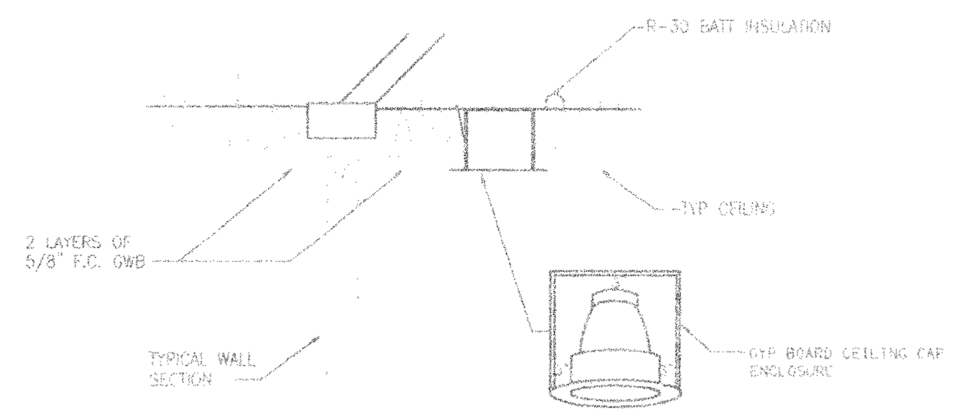
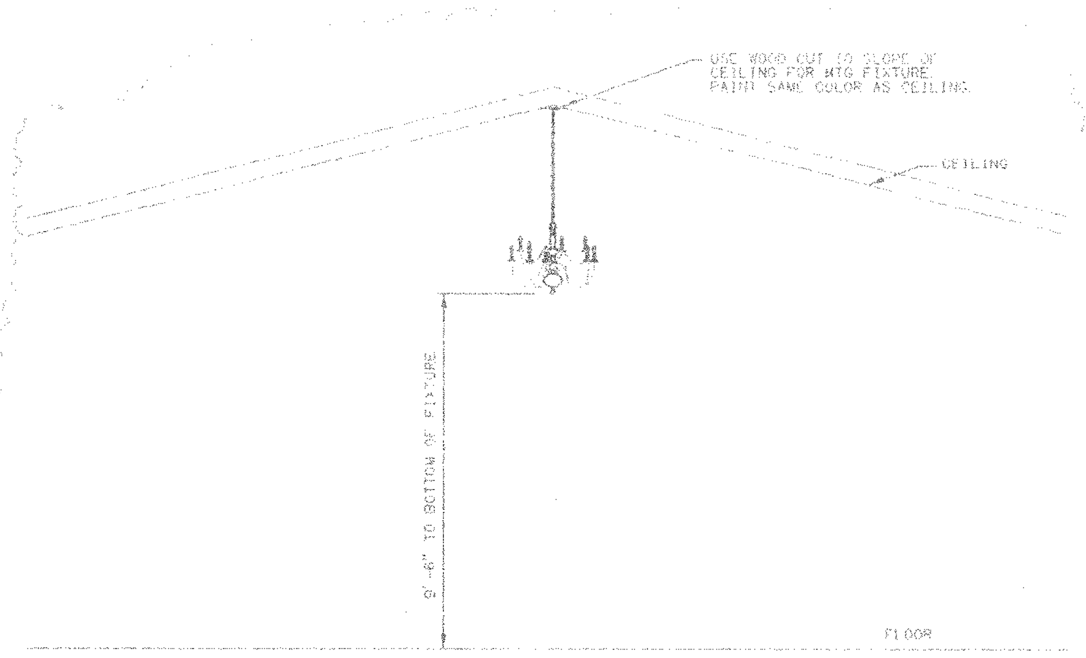
M 4 3-1-00	MECHANICAL FLOOR PLANS	David R. Polston - Architect 3806 Park Ave. Suite 2-L, Wilmington, NC 28403 Architecture Planning Design	CABARRUS COUNTY NURSING FACILITY Cabarrus, North Carolina	NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER JAMES 15962 3/00

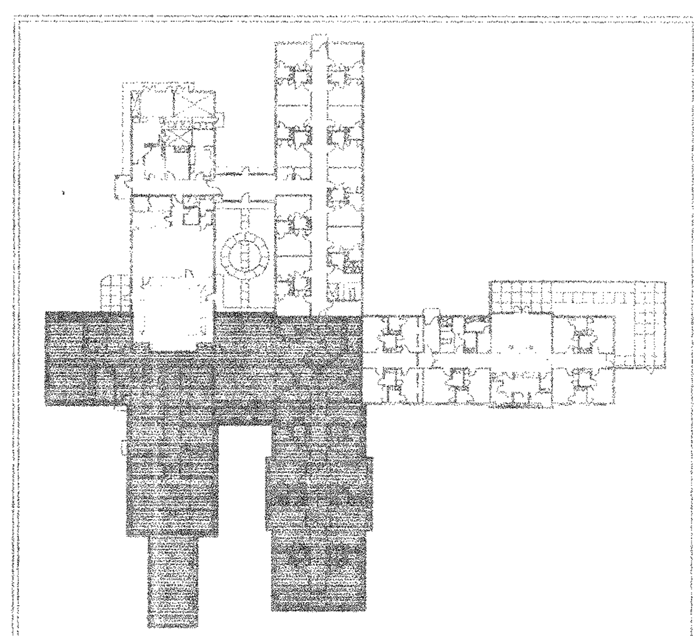




B/E1 RECESSED LIGHT FIXTURE DETAIL
SCALE: NTS



C/E1 FIXTURE "K" MOUNTING DETAIL
SCALE: NTS



KEY PLAN

A/E1 LIGHTING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

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2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60'0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 160'0" ON A 20A CIRCUIT BREAKER.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODES.
5. PROVIDE BLANKET OR GYPSUM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
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7. ALL WIRING FOR POWER & LIGHT FEEDERS, SUB-FEEDERS & BRANCH CIRCUITS SHALL BE INSTALLED IN METAL RACEWAY OR HFC CABLE. PVC SHALL NOT BE ALLOWED IN PATIENTS ROOMS.
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    A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.3.2.
    B. REFER TO THE NEC HANDBOOK 517 FOR FURTHER DESCRIPTION OF TESTING.
    C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
[o]	CEILING OUTLET WITH FLUORESCENT FIXTURE
	WALL OUTLET WITH INCANDESCENT FIXTURE
○	CEILING OUTLET WITH INCANDESCENT, FLUORESCENT OR HID FIXTURE
○-I	WALL OUTLET WITH INCANDESCENT, FLUORESCENT OR HID FIXTURE
⊗	CEILING OUTLET WITH EXIT SIGN FIXTURE, DIRECTIONAL ARROW AS INDICATED ON THE DRAWING WITH BATTERY BACK-UP
⊗-I	WALL OUTLET WITH EXIT SIGN FIXTURE, DIRECTIONAL ARROW AS INDICATED ON THE DRAWING WITH BATTERY BACK-UP
S	SWITCH, SINGLE POLE, 120VAC, MOUNTED AT 48" AFF TO CENTER OF OUTLET BOX
S_3	SWITCH, THREE WAY, 120VAC, MOUNTED AT 48" AFF TO CENTER OF OUTLET BOX
S_D	SWITCH, SINGLE POLE, 120VAC, WITH DIMMER CONTROL, MOUNTED AT 48" AFF TO CENTER OF OUTLET BOX (2)
S_P	SPST PILOT SWITCH, 120VAC, MOUNTED AT 48" AFF TO CENTER OF OUTLET BOX
S_M	MANUAL MOTOR STARTER (2)
	DUPLEX CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 24" AFF UNO
	RECEPTACLE 208VAC @ HEIGHT AS NOTED ON DRAWINGS
	DUPLEX CONVENIENCE RECEPTACLE, 120VAC, STUB-UP THRU FLOOR
	TELEPHONE OUTLET, MOUNTED AT 24" AFF UNO (2)
	TELEVISION OUTLET, MOUNTED AT HEIGHT AS NOTED
©	COMPUTER OUTLET, MOUNTED AT HEIGHT AS NOTED
Ⓙ	JUNCTION BOX
	ELECTRICAL PANEL
	DISCONNECT SWITCH, FUSIBLE
⊠	COMBINATION STARTER & DISCONNECT SWITCH
	ELECTRIC FAN
◇	ELECTRIC MOTOR

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTING
3R	WEATHERPROOF ENCLOSURE
UNO	UNLESS NOTED OTHERWISE
RGS	RIGID GALVANIZED STEEL
WP	WEATHERPROOF
EWC	ELECTRIC WATER COOLER
FACP	FIRE ALARM CONTROL PANEL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22465 EDGAR P. HAYES 1/29/01

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

LIGHTING PLAN

SHEET NO. E1 OF 14

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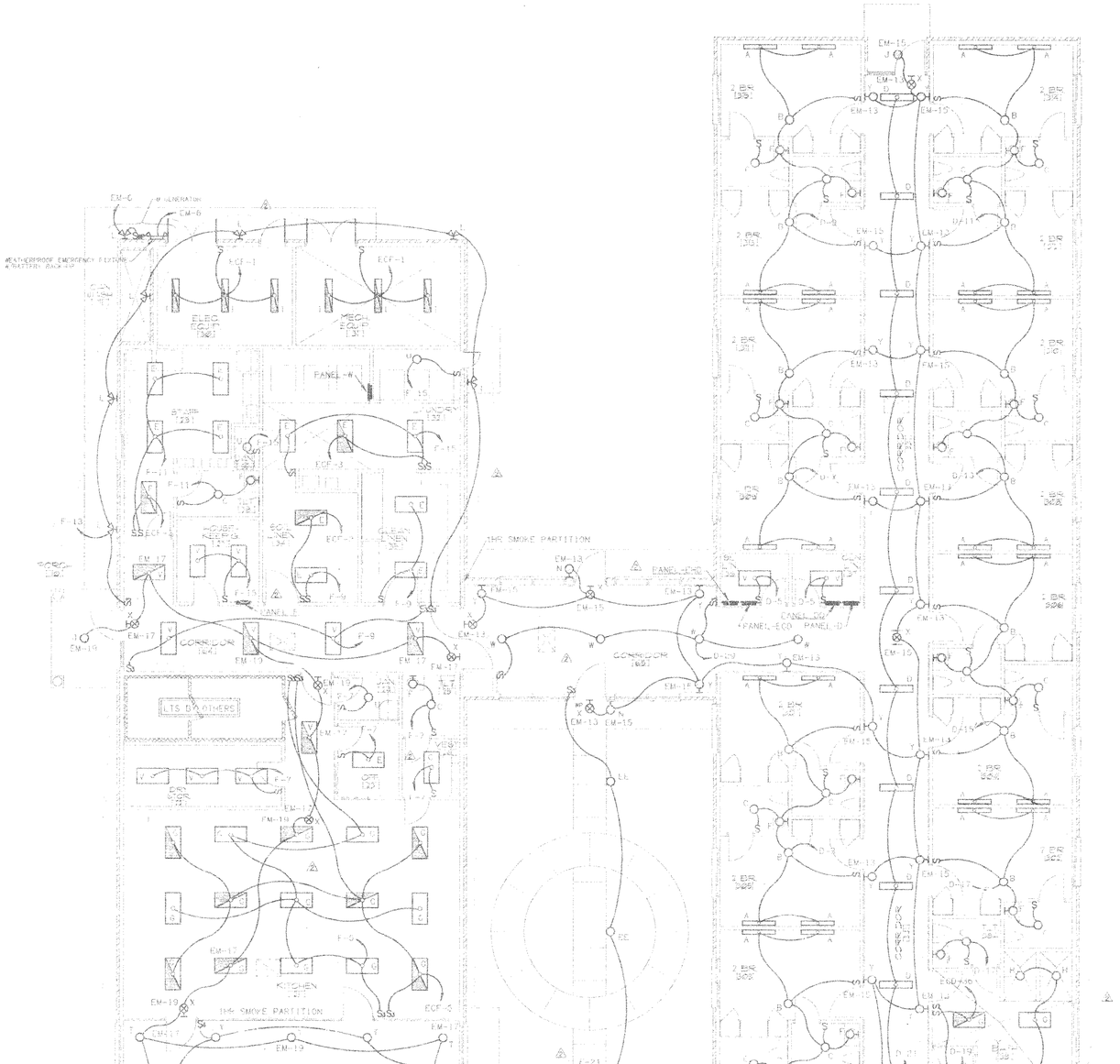
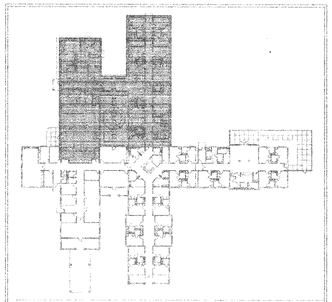
LIGHTING FIXTURE SCHEDULE - CABARRUS COUNTY NURSING FACILITY

SYMBOL	DESCRIPTION	NO	LAMP WATT	LAMP TYPE	VOLT	MANUF.	MODEL	MOUNTING	REMARKS
A	BEDLIGHT	2	32	T-8	120	BROWNLEE	5060 SWH-PC	OVER BED 5'-8" ±	3 POSITION PULL CHAIN WHITE FINISH
B	SURFACE INCANDESCENT	1	60	A-19	120	PROGRESS OR ACPTD EQUAL	P3659-69	CEILING SURFACE	RIBBED-ETCHED GLASS BOWL BRASS TRIM
C	SURFACE FLUORESCENT	2	20	Y-12	120	PROGRESS OR ACPTD EQUAL	P3278-60	SURFACE CEILING	SOFT CLOUD
D	SURFACE FLUORESCENT	2	32	T-8	120	PROGRESS OR ACPTD EQUAL	P7272-60CB	SURFACE CEILING	SOFT CLOUD
E	SURFACE FLUORESCENT	4	32	T-8	120	LITHONIA OR ACPTD EQUAL	LB-4-40 120 ES	SURFACE CEILING	-
F	VANITY FLUORESCENT	3	100	A-19	120	PROGRESS OR ACPTD EQUAL	P3085-10	MTD ABOVE MIRROR	POLISHED BRASS ⚠
G	WRAP AROUND FLUORESCENT	4	32	T-8	120	LITHONIA OR ACPTD EQUAL	LB440120 ES	CEILING SURFACE	U.L. LISTED AND LABELED DAMP LOCATION
H	RECESSED BATH LIGHT	1	150	A-23	120	LITHONIA OR ACPTD EQUAL	RG-7RW-FFL	CEILING RECESSED	U.L. LISTED AND LABELED WET LOCATION *
I	INDUSTRIAL FLUORESCENT	2	32	T-8	120	LITHONIA OR ACPTD EQUAL	LA240-120 ES	CEILING SURFACE	PROVIDE SHACER OR CHAIN
J	EXTERIOR CANOPY	2	60	A	120	PROGRESS OR ACPTD EQUAL	P5745-30	SURFACE CEILING	U.L. LISTED AND LABELED DAMP LOCATION
K	CHANDELIER	9	60	C	120	PROGRESS	P4065	SEE DETAIL	3'-6" TO BOTTOM OF FIXTURE POLISHED BRASS ⚠
L	FLOODLIGHT	2	150	PAR 38	120	PROGRESS OR ACPTD EQUAL	P5207	UNDER EAVES	U.L. LISTED AND LABELED WET LOCATION
M	WALL SCONCE	2	60	C	120	PROGRESS	P5815-30	WALL AT 6'-0"	POLISHED BRASS
N	EXTERIOR WALL	1	60	A	120	PROGRESS	P7191	BESIDE DOOR AT 6'-0"	CLEAR ACRYLIC PANELS U.L. LISTED WET LOCATION
P	PORCELAIN LAMP HOLDER	1	10	A-19	120	EAGLE OR ACPTD EQUAL	-	ON ATTIC TRUSS	CLEAR POLYCARBONATE LENS
Q	DECORATIVE INCANDESCENT	5	60	C	120	PROGRESS	P4186-10	SURFACE CEILING	POLISHED BRASS SWIRLED GLASS
R	BROADWAY	4	40	G	120	PROGRESS OR ACPTD EQUAL	P3206-10	ABOVE MIRROR	POLISHED BRASS
S	UNDERCOUNTER FLUORESCENT	1	20	F-20 T-12	-	PROGRESS OR ACPTD EQUAL	P3007-30	UNDER CABINET	-
T	RECESSED DOWNLIGHTS	1	75	A-19	120	LITHONIA	GOTHAM 6AR	RECESSED CEILING	-
U	UTILITY FIXTURE	2	100	A-19	120	PROGRESS	P3349-10	CEILING SURFACE	-
V	SURFACE FLUORESCENT	2	32	T-8	120	LITHONIA OR ACPTD EQUAL	LB 2 40 120 ES	SURFACE APPLING	-
W	RECESSED DOWNLIGHT	1	150	A-23	120	LITHONIA	GOTHAM 7AR	RECESSED CEILING	7" OPEN REFLECTOR
X	WALL SCONCE	2	13	PL	120	PROGRESS	P3166-10	WALL @ 6'-5"	APA P7200 3D BACKPLATE
AA	RETRACTABLE DOWNLIGHT	1	75	PAR-30	120	LITHONIA	GOTHAM 5Q	RECESSED CEILING	5"
BB	POST LAMPS	1	60	G	120	PROGRESS	P5614-30 P5705-30	POST MTD	INTERIOR: KR2580-30 W/PEDESTAL BASE EXTERIOR: POST MOUNTED W/2 B
CC	PORCH LANTERN	3	60	C	120	PROGRESS	P5808-20 W/ P5808 RD DOME	@ 7'-6" AFF	U.L. LISTED DAMP LOCATION
DD	NOT USED	-	-	-	-	-	-	-	-
EE	EXTERIOR BULLARD	1	75	A-19	120	NUMLER	K15205	MTD. @11' A15654	U.L. LISTED WET LOCATION, BLACK
X	EXIT SIGN	2	6	16-1/2	120	LITHONIA	QUANTUM MSDREL	UNIVERSAL	DIRECTIONAL ARROWS AS INDICATED

* MAINTAIN CEILING RATING





NOTES:

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027496 EDGAR R. HAYES 1/31/01

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

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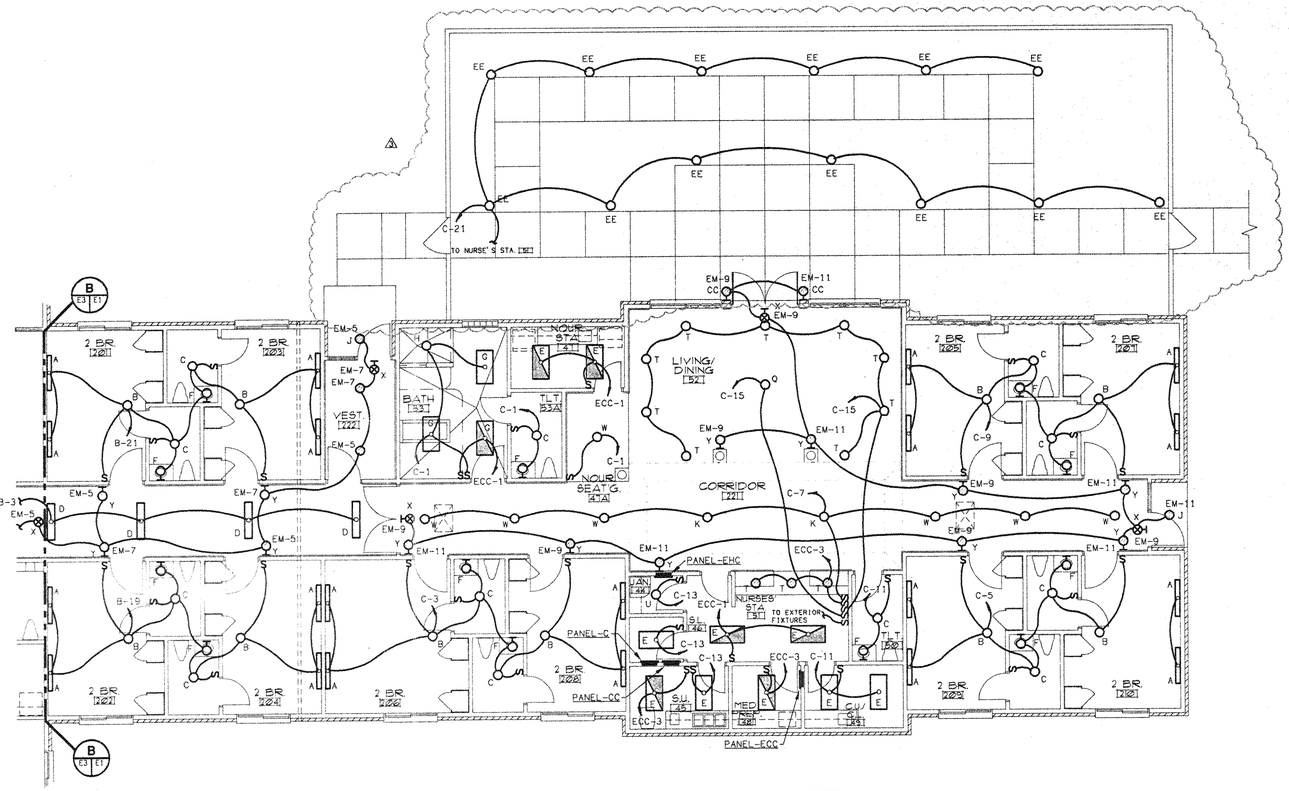
NO.	DESCRIPTION	DATE
1	ISSUE	02-16-00
2	ADDENDUM #1	11-06-00
3	ADDENDUM #2	01-26-01



A E3 LIGHTING PLAN

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

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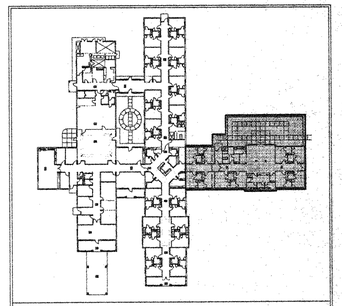

KEY PLAN

NORTH CAROLINA PROFESSIONAL SEAL 022466 ENGINEER EDGAR C. HINES

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

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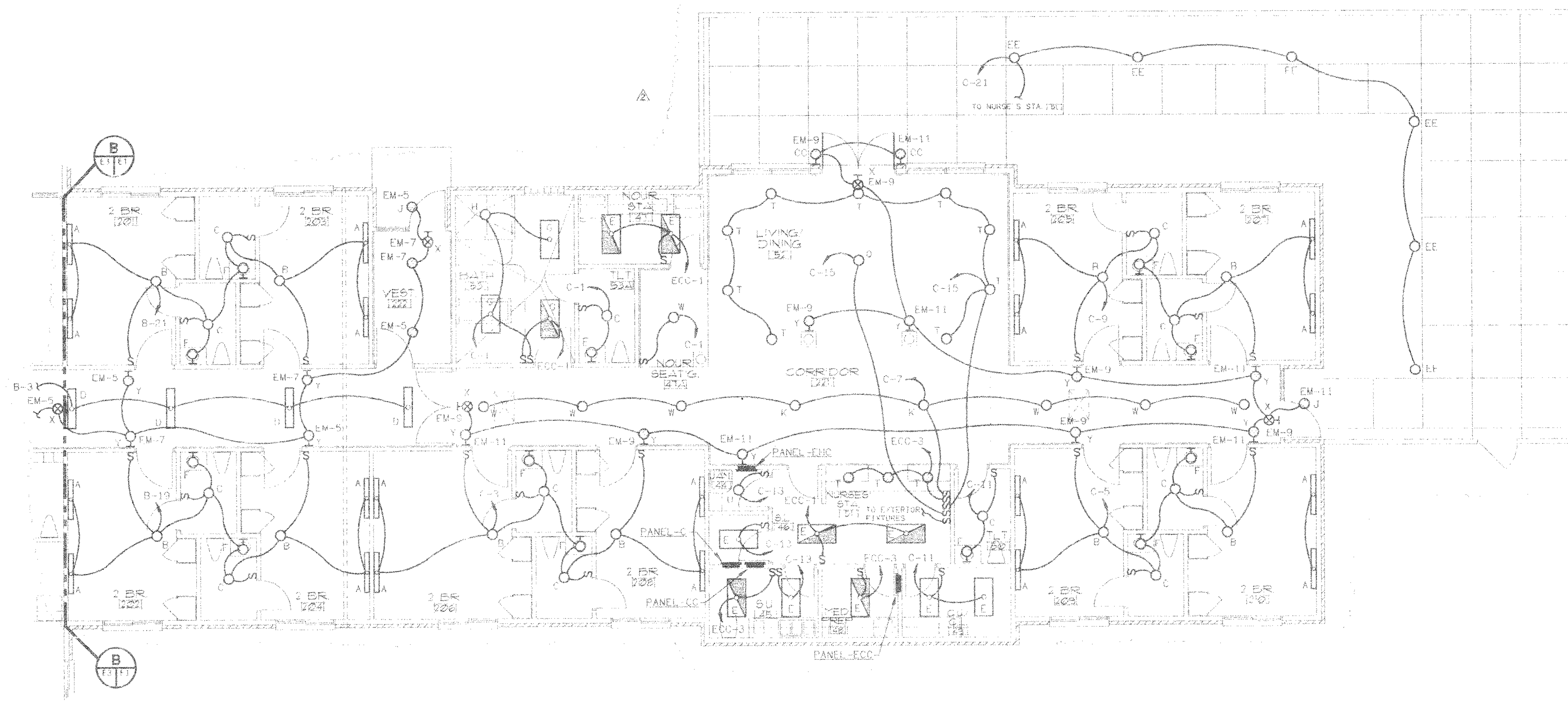
Rev #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-25-01
3	ELECTRICAL CHANGES	07-25-01

LIGHTING PLAN

SHEET NO.
E3
OF
14



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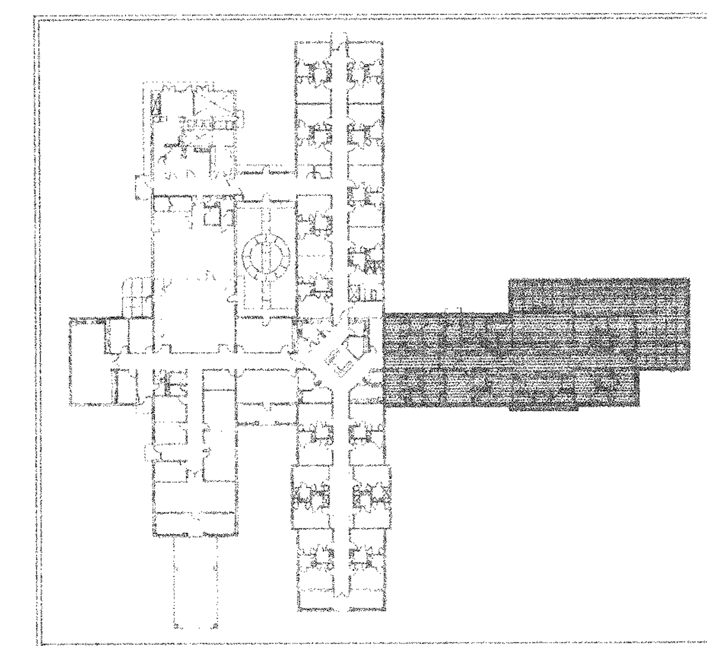
9. CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND WIRE IN ALL POWER WIRING CIRCUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES & EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. REQUIREMENTS. GROUNDING WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C.
10. USE HOSPITAL GRADE RECEPTACLES IN ALL PATIENT ROOMS.
11. CONNECT WHIRLPOOL PER NEC 680.62. PROVIDE GFI BREAKER IF NOT ON EQUIPMENT.
12. TESTING
    A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.3.2.
    B. REFER TO THE NEC HANDBOOK 517 FOR FURTHER DESCRIPTION OF TESTING.
    C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.



KEY PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022465 EDGAR P. HAYES 1/26/01

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

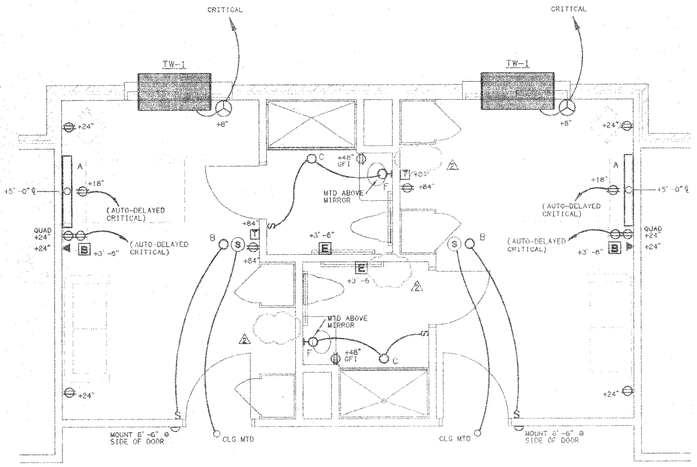
AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
212C CAPITAL DRIVE
WILMINGTON, NC 28405
PHONE: (910) 799-1434
FAX: (910) 799-3382

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

LIGHTING PLAN

SHEET NO. E3 OF 14

H:\DWGFILE\Cabrus-01301\01301E03.dwg Fri Jan 26 11:06:54 2001



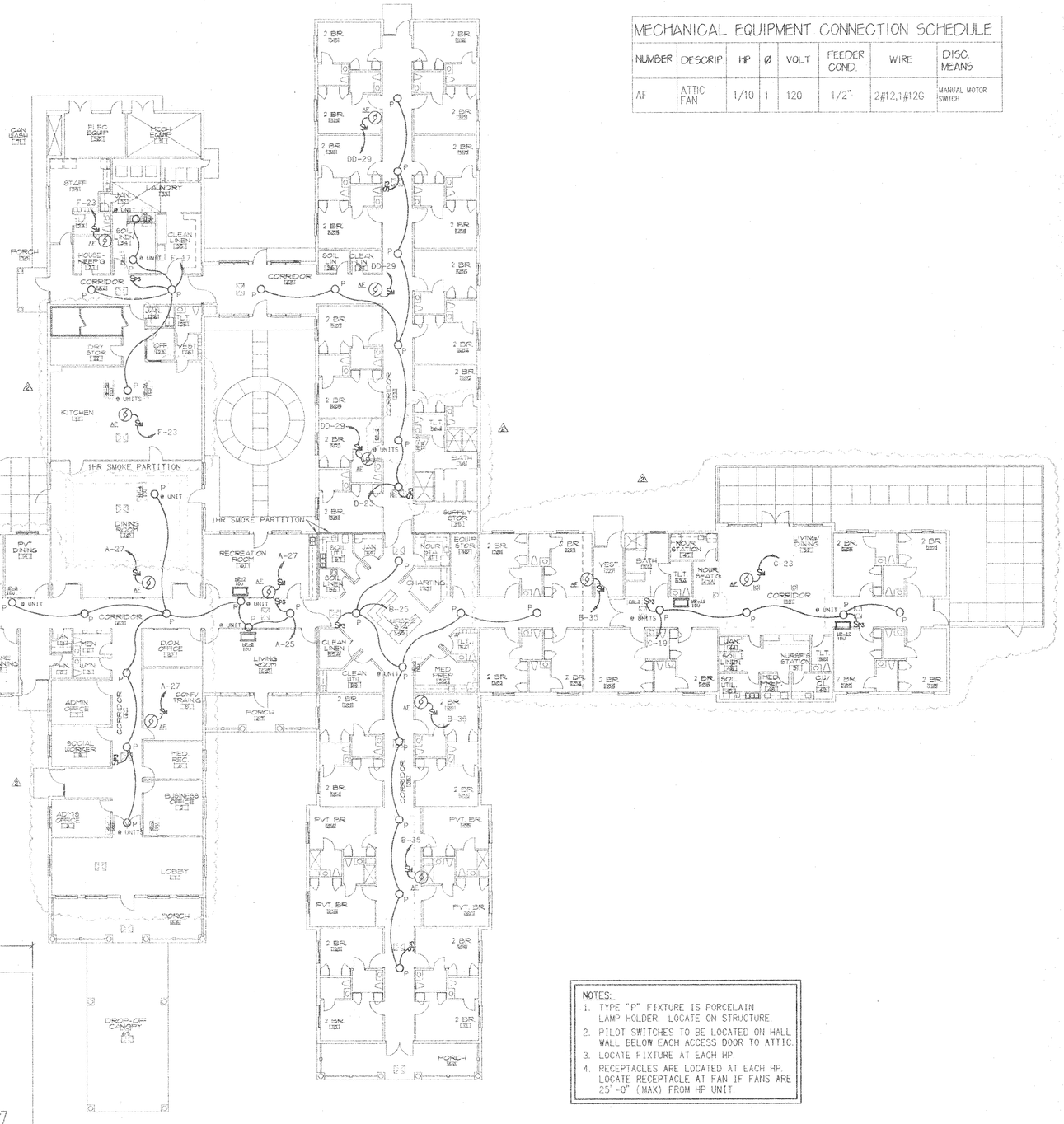
C/E4 **TYPICAL PRIVATE ROOM**
SCALE: 1/4" = 1'-0"

C/E4 **TYPICAL SEMI-PRIVATE ROOM**
SCALE: 1/4" = 1'-0"

TYPICAL ROOM NOTES

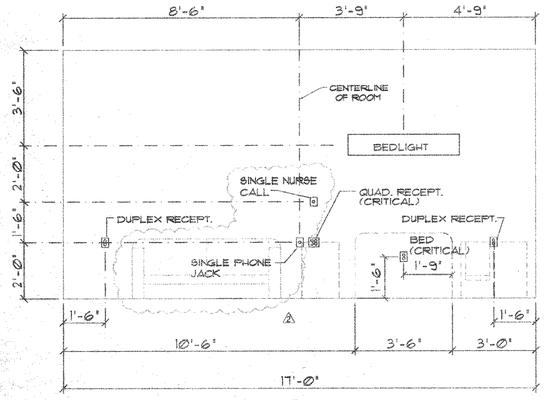
1. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH A GROUNDING PATH FOR FAULT CURRENT. CONDUIT MAY ELECTRICAL METALLIC TUBING OR AFC CABLE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS.
2. MOUNT RECEPTACLES FOR THRU THE WALL AIR CONDITIONING UNITS IN ACCORDANCE WITH AIR CONDITIONING UNIT MANUFACTURER'S RECOMMENDATIONS. RECEPTACLES SHALL BE 20 AMP, 208 VOLT, 2 POLE, 3 WIRE NEMA 6-20R. VERIFY EXACT RECEPTACLE WITH MECHANICAL CONTRACTOR.
3. ALL RECEPTACLES AND COVER PLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL BE RED IN COLOR TYPICAL THROUGHOUT.
4. CONTRACTOR SHALL INSTALL GREEN EQUIPMENT GROUNDING WIRES IN ALL POWER WIRING CONDUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES AND EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE REQUIREMENTS. GROUND WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C.
5. ROOMS ARE SHOWN FOR LOCATION AND HEIGHT OF DEVICES ONLY. CIRCUITS ARE SHOWN ON FLOOR PLANS.
6. OUTLET BOXES OR JUNCTION BOXES THAT ARE MOUNTED BACK TO BACK MUST MAINTAIN ONE HOUR FIRE RATING BY BOXING W/ APPROVED MATERIALS OR MUST BE STAGGERED 24" ON CENTER.
7. STROBE LIGHTS ARE IN DESIGNATED HANDICAP ROOMS ONLY. VERIFY HANDICAP ROOMS WITH ARCHITECT.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE							
NUMBER	DESCRIP.	HP	Ø	VOLT	FEEDER COND.	WIRE	DISC. MEANS
AF	ATTIC FAN	1/10	1	120	1/2"	2#12,1#12G	MANUAL MOTOR SWITCH

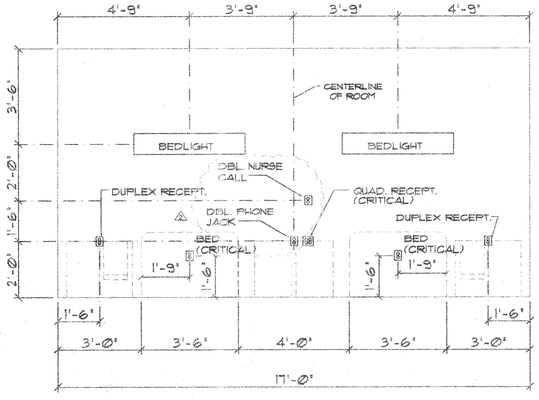


A/E4 **ATTIC LIGHTING & FAN PLAN**
SCALE: 1/16" = 1'-0"

NOTES:
1. TYPE "P" FIXTURE IS PORCELAIN LAMP HOLDER. LOCATE ON STRUCTURE.
2. PILOT SWITCHES TO BE LOCATED ON HALL WALL BELOW EACH ACCESS DOOR TO ATTIC.
3. LOCATE FIXTURE AT EACH HP.
4. RECEPTACLES ARE LOCATED AT EACH HP. LOCATE RECEPTACLE AT FAN IF FANS ARE 25'-0" (MAX) FROM HP UNIT.



D/E4 **ELEVATION** TYPICAL PRIVATE BEDROOM BEDWALL
SCALE: 3/8" = 1'-0"



D/E4 **ELEVATION** TYPICAL SEMI-PRIVATE BEDROOM BEDWALL
SCALE: 3/8" = 1'-0"

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILLINGTON, NC 28405
PHONE: (910) 799-1484
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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

ATTIC LIGHTING & FAN PLAN & TYPICAL ROOMS

SHEET NO.
E4
OF
14

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022405 EDGAR P. HAYES

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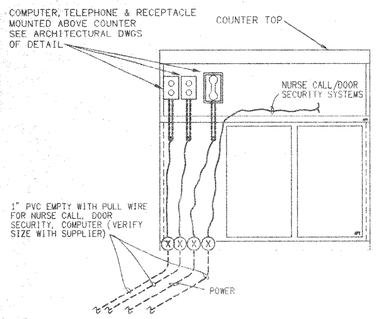
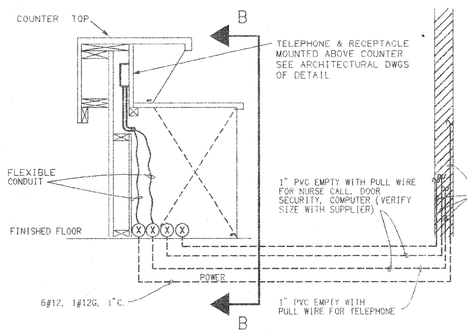
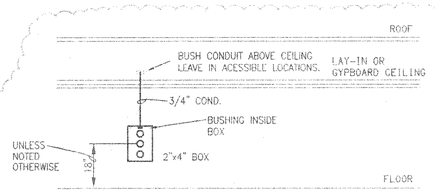


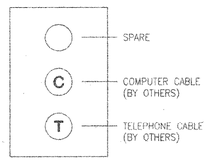
SECTION B-B
NOT TO SCALE



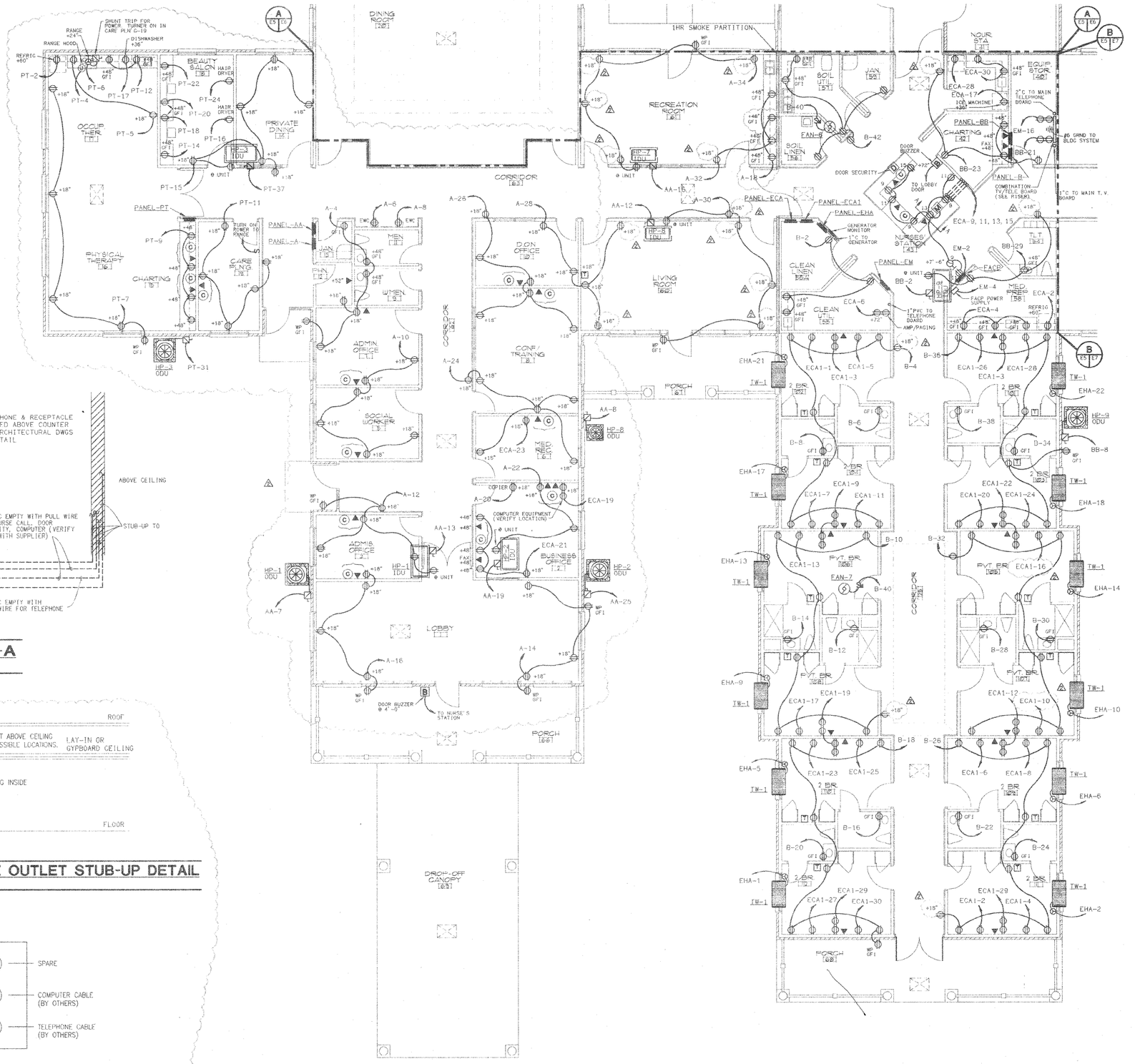
SECTION A-A
NOT TO SCALE



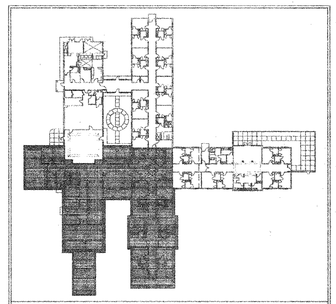
C / E5 COMPUTER/TELEPHONE OUTLET STUB-UP DETAIL
CABLE BY OTHERS



B / E5 COMPUTER/TELEPHONE OUTLET DETAIL
NTS



A / E5 POWER PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN

NOTES:

1. FURR OUT WALLS FOR PANELS.
2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60'-0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 160'-0" ON A 20A CIRCUIT BREAKER.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODES.
5. PROVIDE BLANKET OR GYPSUM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
6. ALL SWITCHES & COVER PLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL BE RED IN COLOR. TYPICAL THROUGHOUT.
7. ALL WIRING FOR POWER & LIGHT FEEDERS, SUB-FEEDERS & BRANCH CIRCUITS SHALL BE INSTALLED IN METAL RACEWAY OR MFC CABLE. PVC SHALL NOT BE ALLOWED IN PATIENTS' ROOMS.
8. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH A GROUND PATH FOR FAULT CURRENT. ELECTRICAL METALLIC TUBING OR MFC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS. HOSPITAL GRADE MCF CABLE SHALL BE ALLOWED IF ALLOWED BY STATE & LOCAL AUTHORITY ONLY.
9. CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND WIRE IN ALL POWER WIRING CIRCUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES & EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. REQUIREMENTS. GROUNDING WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C.
10. USE HOSPITAL GRADE RECEPTACLES IN ALL PATIENT ROOMS.
11. CONNECT WHIRLPOOL PER NEC. 680.62. PROVIDE GFI BREAKER IF NOT ON EQUIPMENT.
12. TESTING
    - A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.3.2.
    - B. REFER TO THE NEC HANDBOOK 517 FOR FURTHER DESCRIPTION OF TESTING.
    - C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.

NORTH CAROLINA PROFESSIONAL SEAL 022486 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

POWER PLAN

SHEET NO.
E5
OF
14

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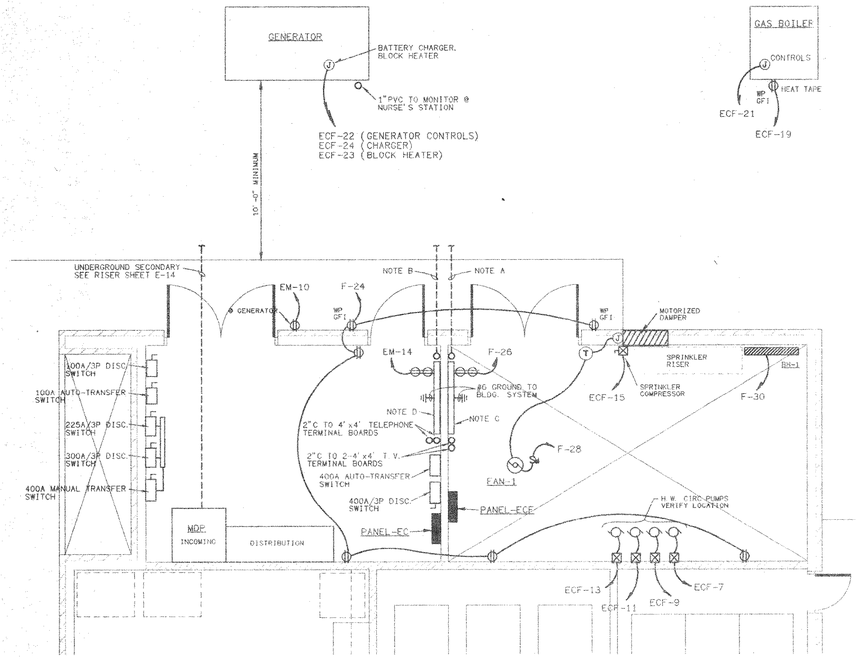
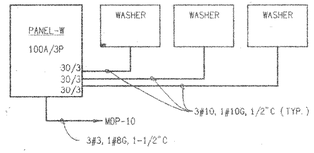


B / E6 ELECTRICAL/MECHANICAL ROOMS

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

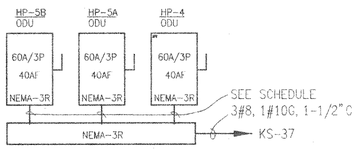


C / E6 WASHER CONNECTIONS

NTS

GENERAL NOTES:

A. PROVIDE ONE 2" PVC CONDUIT FOR INCOMING CABLE T.V. SERVICE TO COMPANY'S POINT OF DELIVERY. VERIFY LOCATION WITH LOCAL CABLE T.V. CO. TERMINATE CONDUIT WITHIN BUILDING AT THE TELEVISION TERMINAL BOARD. PROVIDE INSULATED BUSHING OR FLANGED COUPLING AT TERMINATION POINT WITHIN 6'-0" OF TVTB. COORDINATE INSTALLATION WITH LOCAL CABLE T.V. COMPANY.
B. PROVIDE TWO 4" PVC CONDUITS FOR INCOMING TELEPHONE SERVICE TO BUILDING. CAP CONDUITS AT PROPERTY LINE & MARK WITH A STAKE. VERIFY LOCATION WITH LOCAL TELEPHONE CO. TERMINATE CONDUITS WITH BUILDING AT TELEPHONE TERMINAL BOARD. PROVIDE INSULATED BUSHING ON FLANGED COUPLING AT TERMINATION POINT WITHIN 6'-0" OF TTB. ALL TURNS IN CONDUIT FOR TELEPHONE USE SHALL BE MADE WITH SWEEP ELBOWS. COORDINATE INSTALLATION WITH LOCAL TELEPHONE COMPANY.
C. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY TELEVISION CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY THE TELEVISION CONTRACTOR.
D. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY THE TELEPHONE CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY TELEPHONE COMPANY.

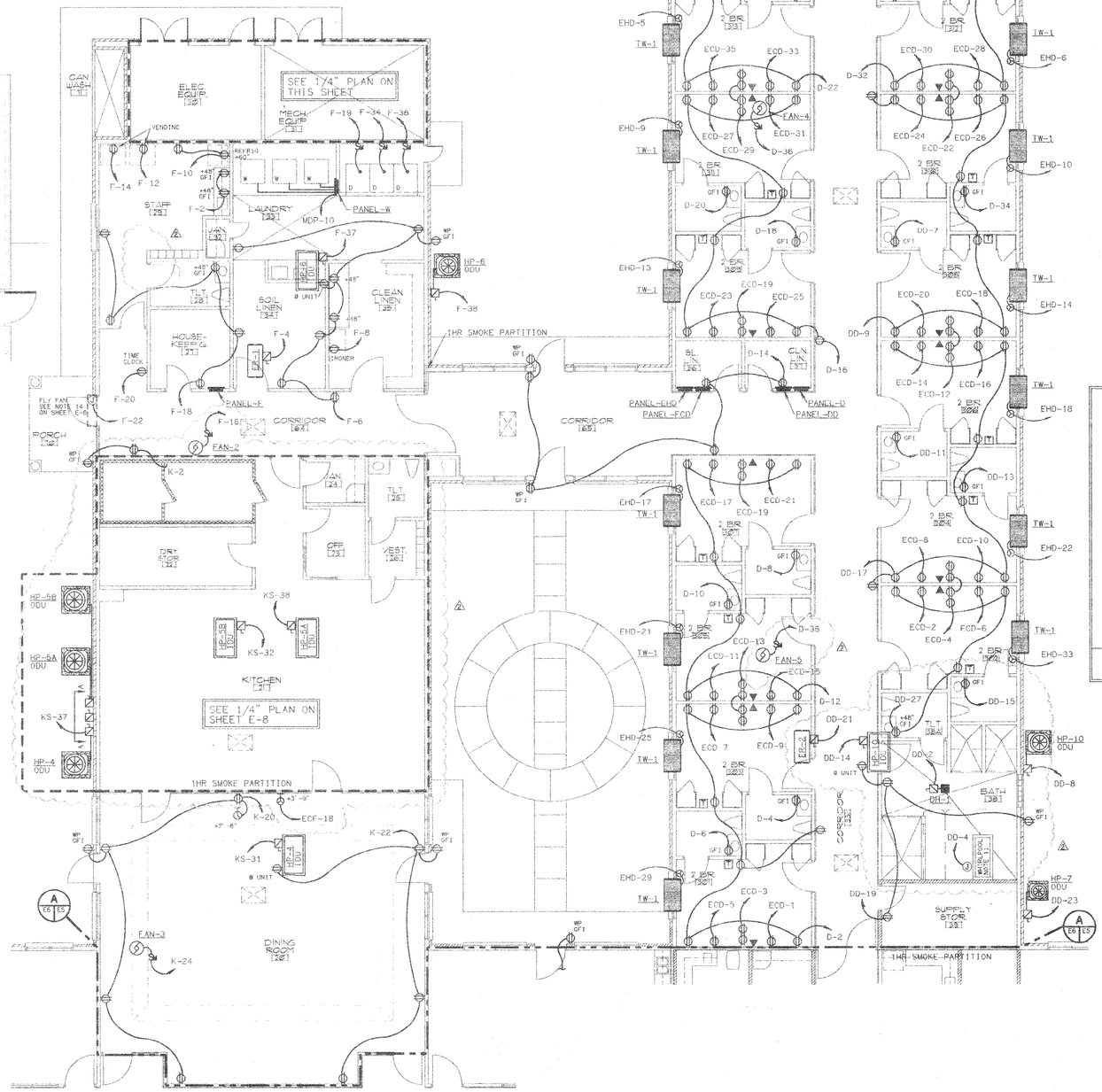


SECTION A-A

OUTDOOR HEAT PUMPS

NTS

NOTE: SIZE WIRE GUTTER PER NEC.

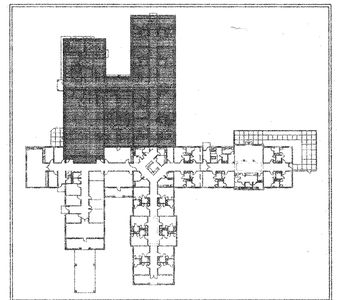


A / E6 POWER PLAN

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

NOTES:

1. FURR OUT WALLS FOR PANELS.
2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60'0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 160'0" ON A 20A CIRCUIT BREAKER.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODES.
5. PROVIDE BLANKET OR GYPSUM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
6. ALL SWITCHES & COVER PLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL BE RED IN COLOR. TYPICAL THROUGHOUT.
7. ALL WIRING FOR POWER & LIGHT FEEDERS, SUB-FEEDERS & BRANCH CIRCUITS SHALL BE INSTALLED IN METAL RACEWAY OR MFC CABLE. PVC SHALL NOT BE ALLOWED IN PATIENTS ROOMS.
8. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH A GROUND PATH FOR FAULT CURRENT. ELECTRICAL METALLIC TUBING OR HFC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS. HOSPITAL GRADE HCF CABLE SHALL BE ALLOWED IF ALLOWED BY STATE & LOCAL AUTHORITY ONLY.
9. CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND WIRE IN ALL POWER WIRING CIRCUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES & EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. REQUIREMENTS. GROUNDING WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C.
10. USE HOSPITAL GRADE RECEPTACLES IN ALL PATIENT ROOMS.
11. CONNECT WHIRLPOOL PER NEC 680.62. PROVIDE GFI BREAKER IF NOT ON EQUIPMENT.
12. TESTING
    A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.3.2.
    B. REFER TO THE NEC HANDBOOK 517 FOR FURTHER DESCRIPTION OF TESTING.
    C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.



KEY PLAN

NORTH CAROLINA PROFESSIONAL SEAL 022405 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE PHONE: (910) 799-1484
WILMINGTON, NC 28405 FAX: (910) 799-3382

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

POWER PLAN

SHEET NO. E6 OF 14

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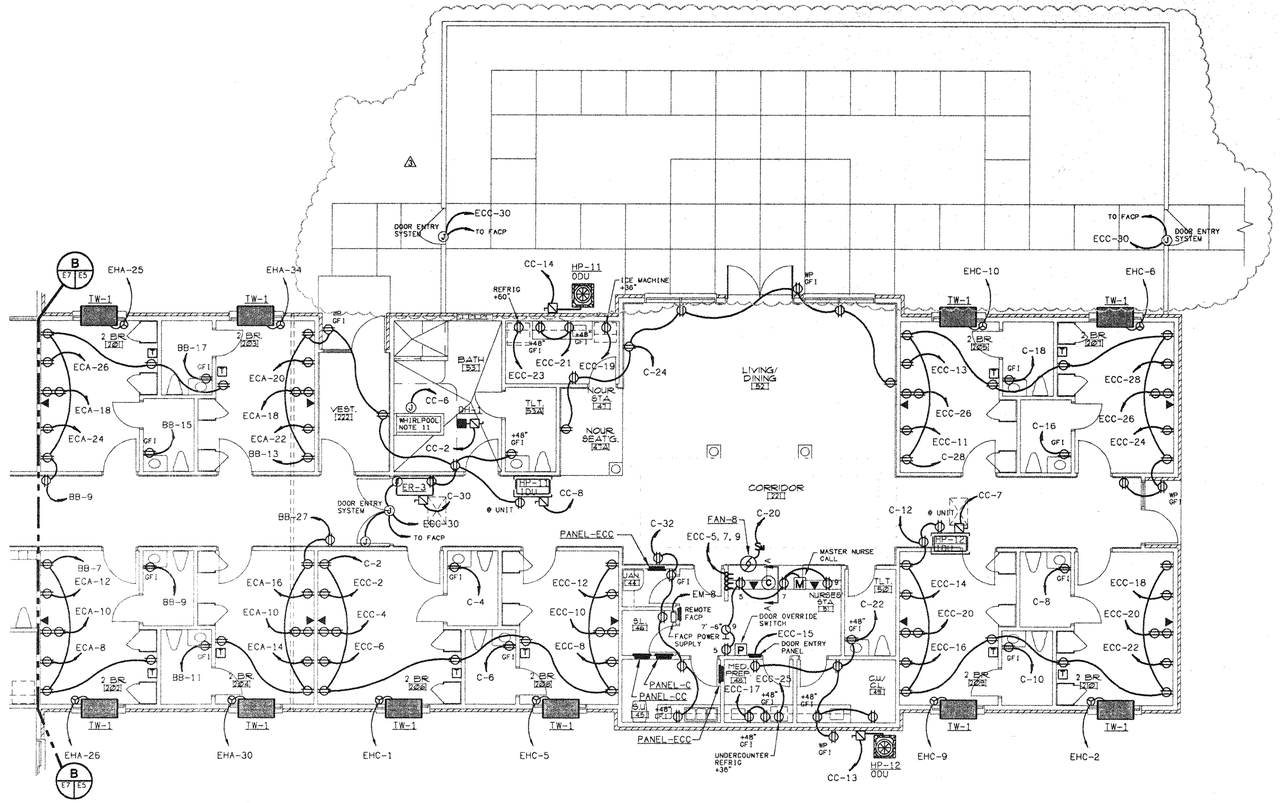
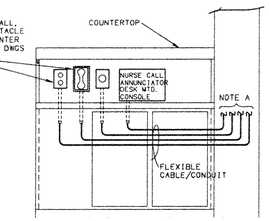
MECHANICAL EQUIPMENT CONNECTION SCHEDULE

NUMBER	DESCRIP.	KW	AMP	Ø	VOLT	FEEDER COND.	WIRE	DISC. MEANS
HP-1, 2	IDU	7.8	35	3	208	1"	3#8, 1#10G	60A/3P 50AF
	ODU		24	3	208	3/4"	3#8, 1#10G	60A/3P 40AF NEMA-3R
HP-3, 4, 5A, 5B, 9	IDU	11.5	45	3	208	1"	3#6, 1#10G	60A/3P 60AF
	ODU		24	3	208	3/4"	3#8, 1#10G	60A/3P 40AF NEMA-3R
HP-6, 10	IDU	11.5	45	3	208	1"	3#6, 1#10G	60A/3P 60AF
	ODU		22	3	208	3/4"	3#10, 1#10G	30A/3P 30AF NEMA-3R
HP-7	IDU	4.3	29	1	208	3/4"	2#8, 1#10G	60A/2P 40AF
	ODU		16	1	208	1/2"	2#12, 1#12G	30A/2P 20AF NEMA-3R
HP-8	IDU	3.6	25	1	208	1/2"	2#10, 1#10G	30A/2P 30AF
	ODU		16	1	208	1/2"	2#12, 1#12G	30A/2P 20AF NEMA-3R
HP-11, 12	IDU	7.8	33	3	208	3/4"	3#8, 1#10G	60A/3P 50AF
	ODU		17	3	208	3/4"	3#10, 1#10G	30A/3P 25AF NEMA-3R
BB-1	BASE BOARD HEATER	1.5		1	208	1/2"	2#12, 1#12G	DIRECT CONNECTION
DH-1	DUCT HEATER	2.0		1	208	1/2"	2#12, 1#12G	30A/2P 15AF
FANS				1	120	1/2"	2#12, 1#12G	INTERNAL SWITCH
TW-1	THRU WALL UNIT	2.82		1	208	1/2"	2#12, 1#12G	20A RECPT TO MATCH
ER-1 ER-2 ER-3	ENERGY RECOVERY UNITS	1/3 HP		1	120	1/2"	2#12, 1#12G	MOTOR SWITCH

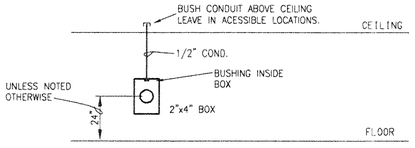


A/E7 POWER PLAN
SCALE: 1/8" = 1'-0"

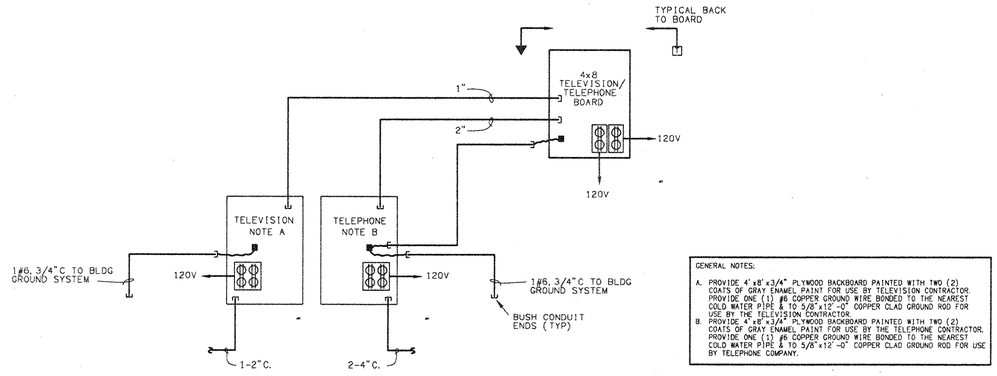


NOTE A: ROUTE TO NEAREST COLUMN AS SHOWN ON THE DRAWINGS & SIZE CONDUIT AS NECESSARY.

SECTION A-A
SCALE: NTS



C/E7 TV / TELEPHONE OUTLET DETAIL
CABLE BY OTHERS



GENERAL NOTES:

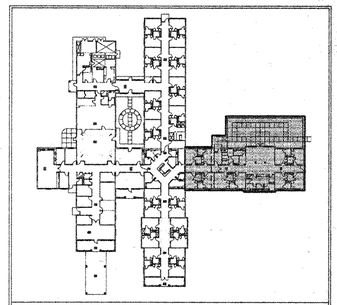
A. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY TELEVISION CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY THE TELEVISION CONTRACTOR.
B. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY THE TELEPHONE CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY TELEPHONE COMPANY.

B/E7 TELEPHONE/TELEVISION RISER
SCALE: NTS

NOTE
1. ALL CABLE BY OTHERS

NOTES:

1. FURR OUT WALLS FOR PANELS.
2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60'-0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 150'-0" ON A 20A CIRCUIT BREAKER.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODES.
5. PROVIDE BLANKET OR GYPSUM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
6. ALL SWITCHES & COVER PLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL BE RED IN COLOR, TYPICAL THROUGHOUT.
7. ALL WIRING FOR POWER & LIGHT FEEDERS, SUB-FEEDERS & BRANCH CIRCUITS SHALL BE INSTALLED IN METAL RACEWAY OR MFC CABLE. PVC SHALL NOT BE ALLOWED IN PATIENTS ROOMS.
8. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH A GROUND PATH FOR FAULT CURRENT. ELECTRICAL METALLIC TUBING OR MFC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS. HOSPITAL GRADE MCF CABLE SHALL BE ALLOWED IF ALLOWED BY STATE & LOCAL AUTHORITY ONLY.
9. CONTRACTOR SHALL INSTALL A GREEN EQUIPMENT GROUND WIRE IN ALL POWER WIRING CIRCUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES & EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. REQUIREMENTS. GROUNDING WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C.
10. USE HOSPITAL GRADE RECEPTACLES IN ALL PATIENT ROOMS.
11. CONNECT WHIRLPOOL PER NEC. 680.62. PROVIDE GFI BREAKER IF NOT ON EQUIPMENT.
12. TESTING
    A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.2.2.
    B. REFER TO THE NEC HANDBOOK 517 FOR FURTHER DESCRIPTION OF TESTING.
    C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.



KEY PLAN

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 22466 ENGINEER EDGAR A. HAYES

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILMINGTON, NC 28405
PHONE: (910) 799-1484
FAX: (910) 799-3382

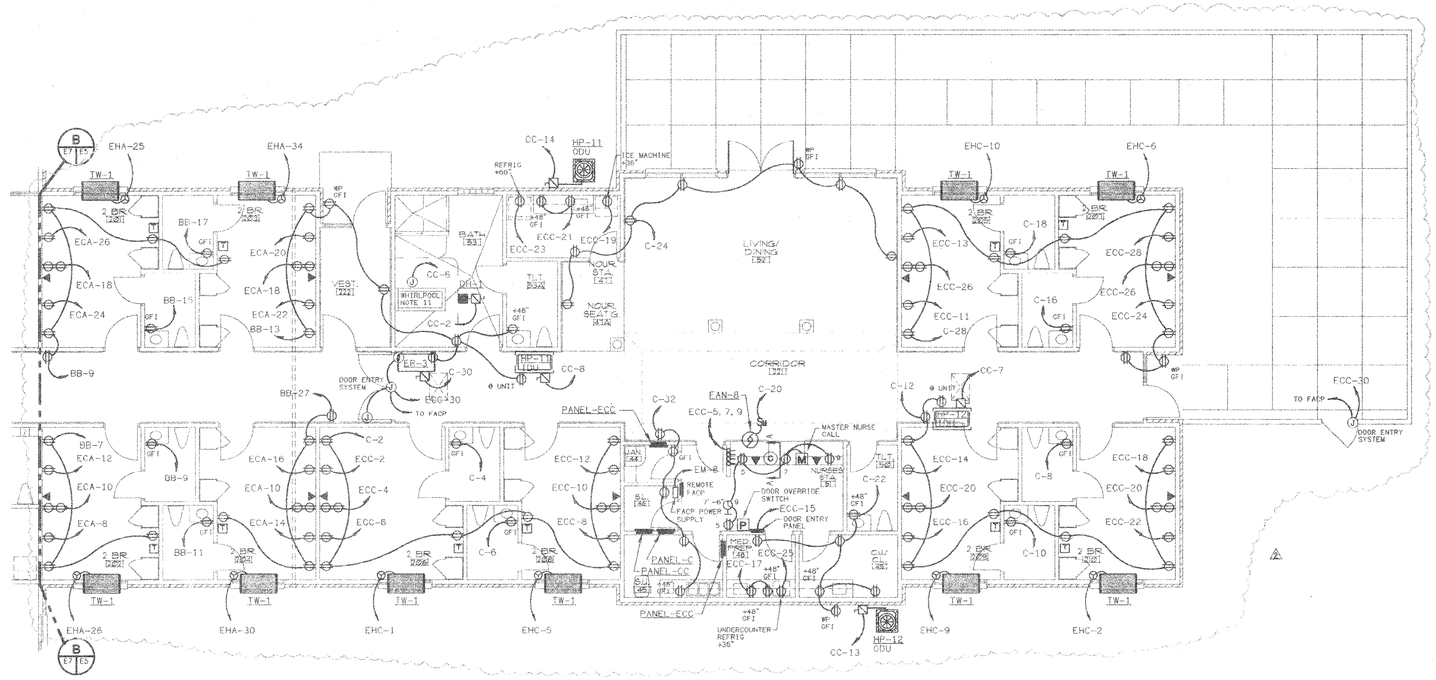
REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01
3	ELECTRICAL CHANGES	07-25-01

POWER PLAN

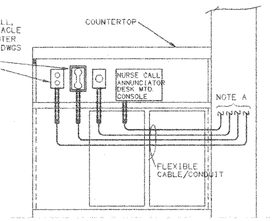
SHEET NO.
E7
OF
14

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

NUMBER	DESCRIP.	KW	AMP	Ø	VOLT	FEEDER COND.	WIRE	DISC. MEANS
HP-1,2	IDU	7.8	35	3	208	1"	3#8,1#10G	60A/3P 50AF
	ODU		24	3	208	3/4"	3#8,1#10G	60A/3P 40AF NEMA-3R
HP-3,4, 5A,5B,9	IDU	11.5	45	3	208	1"	3#6,1#10G	60A/3P 60AF
	ODU		24	3	208	3/4"	3#8,1#10G	60A/3P 40AF NEMA-3R
HP-6,10	IDU	11.5	45	3	208	1"	3#6,1#10G	60A/3P 60AF
	ODU		22	3	208	3/4"	3#10,1#10G	30A/3P 30AF NEMA-3R
⚠ HP-7	IDU	4.3	29	1	208	3/4"	2#8,1#10G	60A/2P 40AF
	ODU		16	1	208	1/2"	2#12,1#12G	30A/2P 20AF NEMA-3R
HP-8	IDU	3.6	25	1	208	1/2"	2#10,1#10G	30A/2P 30AF
	ODU		16	1	208	1/2"	2#12,1#12G	30A/2P 20AF NEMA-3R
⚠ HP-11,12	IDU	7.8 ⚠	33	3	208	3/4"	3#8,1#10G	60A/3P 50AF
	ODU		17	3	208	3/4"	3#10,1#10G	30A/3P 25AF NEMA-3R
BB-1	BASE BOARD HEATER	1.5		1	208	1/2"	2#12,1#12G	DIRECT CONNECTION
DH-1	DUCT HEATER	2.0		1	208	1/2"	2#12,1#12G	30A/2P 15AF
FANS				1	120	1/2"	2#12,1#12G	INTERNAL SWITCH
TW-1	THRU WALL UNIT	2.82 ⚠		1	208	1/2"	2#12,1#12G	20A RECPT TO MATCH
ER-1 ER-2 ER-3	ENERGY RECOVERY UNITS	⚠ 1/3 HP		1	120	1/2"	2#12,1#12G	MOTOR SWITCH

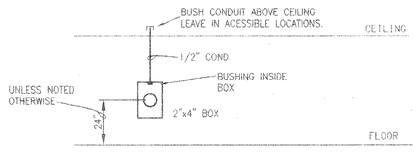


POWER PLAN
A / E7 SCALE: 1/8" = 1'-0"

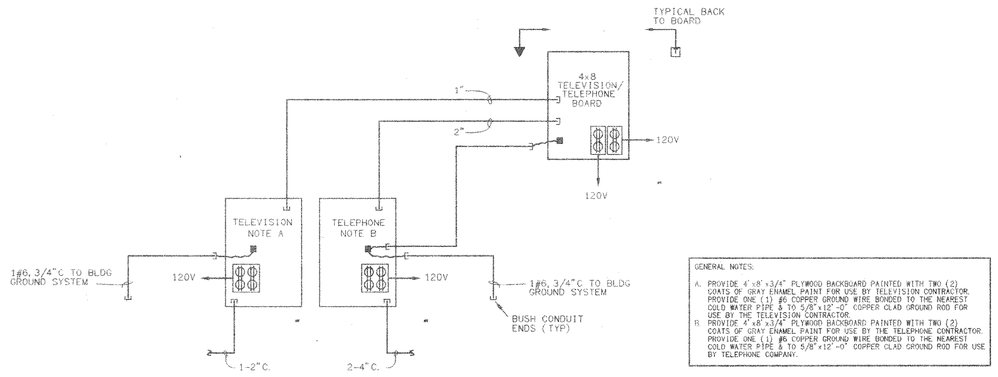


NOTE A. ROUTE TO NEAREST COLUMN AS SHOWN ON THE DRAWINGS & SIZE CONDUIT AS NECESSARY.

SECTION A-A
SCALE: NTS



TV / TELEPHONE OUTLET DETAIL
C / E7 CABLE BY OTHERS



GENERAL NOTES:

A. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY TELEVISION CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY THE TELEVISION CONTRACTOR.

B. PROVIDE 4'x8'x3/4" PLYWOOD BACKBOARD PAINTED WITH TWO (2) COATS OF GRAY ENAMEL PAINT FOR USE BY THE TELEPHONE CONTRACTOR. PROVIDE ONE (1) #6 COPPER GROUND WIRE BONDED TO THE NEAREST COLD WATER PIPE & TO 5/8"x12'-0" COPPER CLAD GROUND ROD FOR USE BY TELEPHONE COMPANY.

TELEPHONE/TELEVISION RISER
B / E7 SCALE: NTS

NOTE
1. ALL CABLE BY OTHERS

NOTES:

1. FURR OUT WALLS FOR PANELS.
2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60'0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 160'0" ON A 20A CIRCUIT BREAKER.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODES.
5. PROVIDE BLANKET OR GYPSUM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
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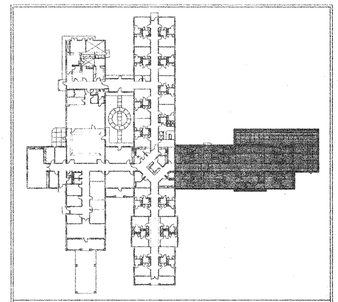
10. USE HOSPITAL GRADE RECEPTACLES IN ALL PATIENT ROOMS.
11. CONNECT WHIRLPOOL PER NEC. 680.62. PROVIDE GFI BREAKER IF NOT ON EQUIPMENT.
12. TESTING
    A. ALL CONDUCTIVE SURFACES IN THE PATIENT VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NFPA 99 SECTION 3-3.3.3.2.
    B. REFER TO THE NEC HANDBOOK 517.FOR FURTHER DESCRIPTION OF TESTING.
    C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
13. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.



KEY PLAN

NORTH CAROLINA PROFESSIONAL SEAL 022486 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY
NURSING FACILITY
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILMINGTON, NC 28405
PHONE: (910) 799-1484
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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
⚠	DFS COMMENTS	11-06-00
⚠	ARCHITECTURAL CHANGES	01-26-01

POWER PLAN

SHEET NO. E7 OF 14

H:\DWGFILES\Cabarrus-01301\01301E07.dwg Fri Jan 26 11:36:36 2001

PANEL- SB (STORAGE BUILDING)

TYPE LOADCENTER MOUNTING SURFACE ENCLOSURE NEMA-1 PHASE 3 WIRE 4

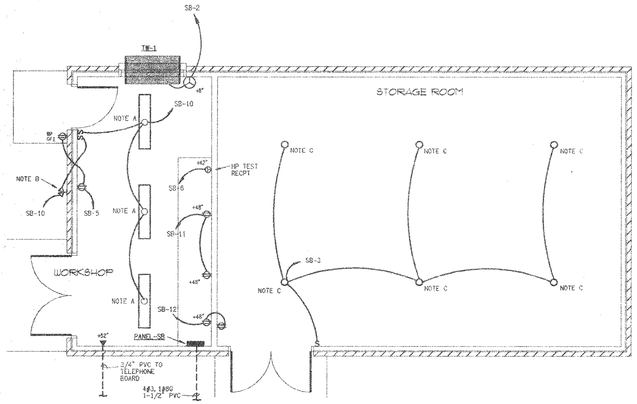
VOLTS 120/208 MAIN 60A MCB FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	A B C	LOADING A	B	C	PHASE	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	SPARE	–				14				HP	20/2	2
3	20/1	LTS		4				14					4
5	20/1	RECPT			4				14		HP TEST	20/2	6
7	20/1	SPARE	–				14						8
9	20/1	SPARE		–				4			LTS	20/1	10
11	20/1	RECPT			4				4		RECPT	20/1	12
13	–	BLANK	–				–				BLANK	–	14
15	–	BLANK		–				–			BLANK	–	16
17	–	BLANK			–				–		BLANK	–	18
19	–	BLANK	–				–				BLANK	–	20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
SUBTOTAL			–	4	8		28	18	18				

NOTES:

TOTAL PANEL LOAD: A@ 28A B@ 22A C@ 26A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]



FIXTURES:
NOTE A: PROVIDE GENERAL INDUSTRIAL FLUORESCENT - CHAIN HUNG - 2-40W F LAMPS
NOTE B: PROVIDE FLOODLIGHT OVER DOOR - U.L. DAMP LOCATION -2-150W-PAR 38 LAMPS
NOTE C: PROVIDE PORCELAIN LAMPHOLDER W/100 WATT LAMPS. ATTACH TO TRUSSES.

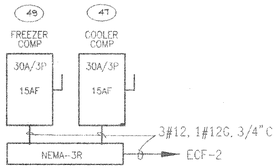
B/E8 STORAGE BUILDING

SCALE: 3/16" = 1'-0"

SEE SITE PLAN BY OTHERS FOR ACTUAL LOCATION.

KITCHEN ELECTRICAL NOTES:

1. ALL CONVENIENCE OUTLETS TO BE SET HORIZONTALLY. ALL 120 VOLT OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 20 AMPS. ALL EQUIPMENT RECEPTACLES TO BE POLARIZED. PROVIDE STANDARD U-SLOT DUPLEX 3-WIRE GROUNDING TYPE RECEPTACLES.
2. ALL CONDUIT TO BE ROUGHED IN THE WALLS RATHER THAN UP THROUGH THE FLOOR WHENEVER POSSIBLE.
3. SEE FOOD SERVICE PLAN FOR EXACT LOCATION AND DIMENSIONS.
4. STUB-UP ALL ELECTRICAL OUTLETS IN THE FLOOR TO A MAXIMUM OF 6" TO CLEAR EQUIPMENT BASES.
5. EXHAUST HOOD FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH LIGHT FIXTURES AND EMPTY CONDUIT TO JUNCTION BOX READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
6. FIRE CONTROL SYSTEM FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH GAS SHUT-OF VALVE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO GAS SOLENOID VALVE PER MANUFACTURERS'S DIAGRAM, SO AS TO SHUT-OFF GAS SUPPLY VALVE WHEN ACTIVATED. VALVE TO BE MECHANICALLY OPERATED.
7. IN FIRE ALARM CONDITIONS, FURNISH SHUNT TRIP CIRCUIT BREAKERS TO CUT-OFF ALL POWER TO COOK UNITS, SOLENOID VALVE, AND SUPPLY FAN.
8. DISH MACHINE TO BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR PRE-WIRED TO INTEGRAL CONTROL PANEL READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTORS.
9. COLD STORAGE ROOMS TO BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH LIGHTS PRE-WIRED TO JUNCTION BOX ON ASSEMBLY, COMPLETE WITH SWITCH AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
10. REFRIGERATION SYSTEM TO BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR, READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. CONDUIT AND WIRING BETWEEN FREEZER EVAPORATOR COILS AND CONDENSING UNITS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH MANUFACTURER'S WIRING DIAGRAM.
11. DISPOSAL TO BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH WATERPROOF ON/OFF SWITCH, MAGNETIC STARTER AND SOLENOID VALVE FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
12. ELECTRICAL CONTRACTOR SHALL VERIFY ALL KITCHEN ELECTRICAL LOADS BEFORE ORDERING EQUIPMENT OR RUNNING SERVICE.
13. SWITCHES TO HOOD, LIGHTS AND FANS SHALL BE LOCATED ON THE FRONT OF HOOD AND PROVIDED BY ELECTRICAL CONTRACTOR.
14. FLY FAN SWITCH SHALL BE CONTACT SWITCH LOCATED IN THE DOOR FRAME. WHEN DOOR IS OPEN, FAN IS ON. SWITCH TO BE SPECIFICATION GRADE DEVICE.
15. DISCONNECT SWITCHES FOR DISHWASHER ARE TO BE MOUNTED AT EXACT LOCATION AND HEIGHT AS SHOWN ON THE KITCHEN MANUFACTURER'S DRAWINGS.

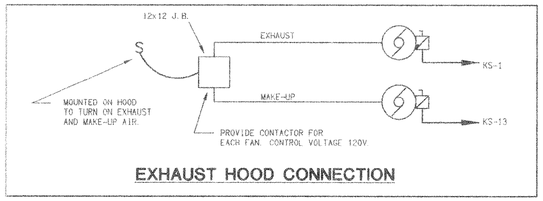


SECTION A-A

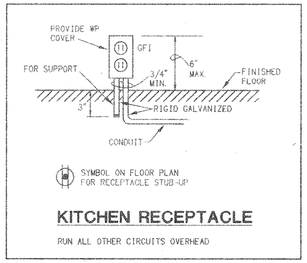
FREEZER/COOLER CONDENSERS

NTS

NOTE: SIZE WIRE CUTTER PER NEC.



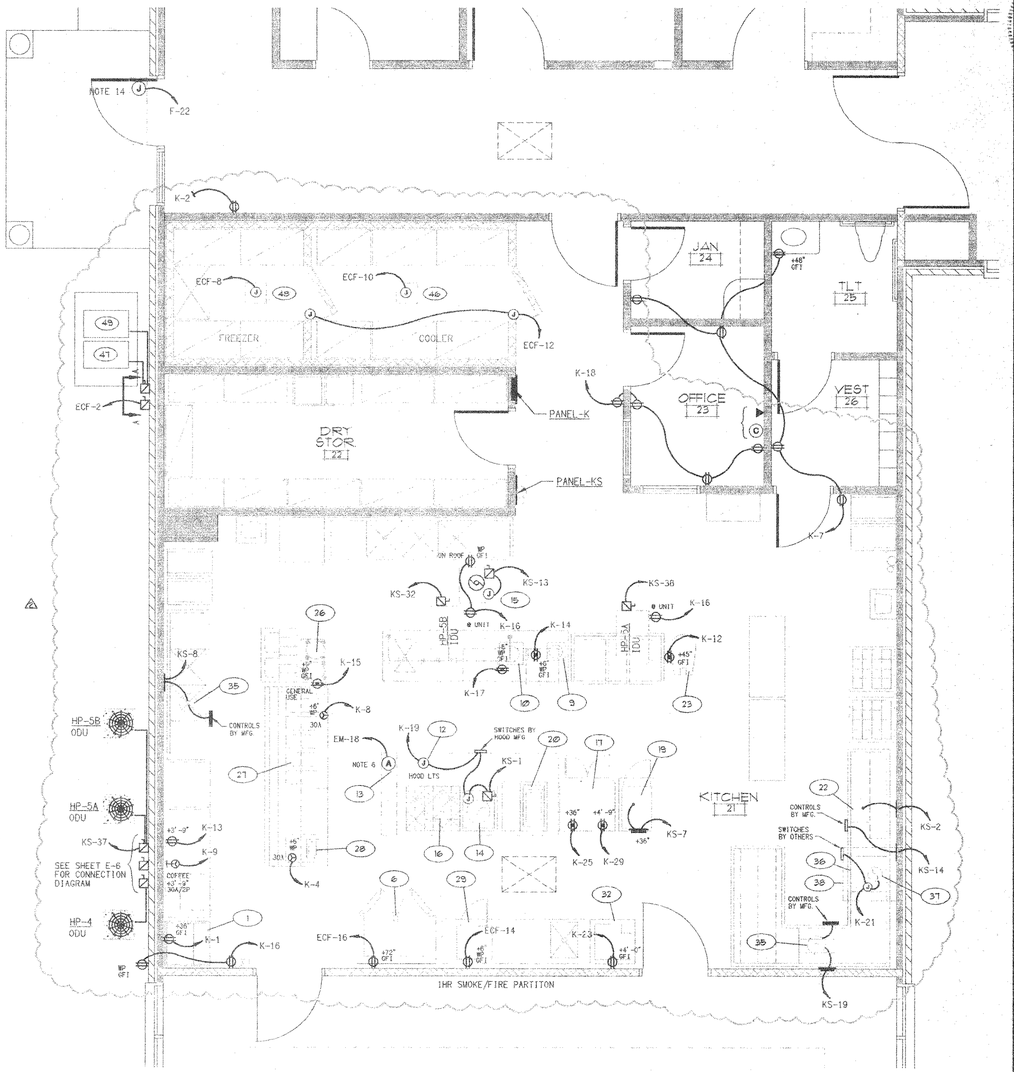
EXHAUST HOOD CONNECTION



KITCHEN RECEPTACLE

RUN ALL OTHER CIRCUITS OVERHEAD

JUNCTION BOXES TO BE INSTALLED BY SAME METHOD.



A/E8 KITCHEN PLAN

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

KITCHEN EQUIPMENT SCHEDULE - CABARRUS COUNTY NURSING FACILITY

NO.	DESCRIPTION	HP	AMP	KW	PHASE	VOLT	FEEDER COND.	FEEDER WIRE	DISCONNECT MEANS	REMARKS
1	CUBE ICE MAKER	–	16	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
6	REACH-IN REFRIGERATOR	–	10	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-30P
9	FOOD BLENDER	1	–	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
10	FOOD PROCESSOR	1/2	–	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
12	EXHAUST HOOD SYSTEM (LTS)	–	–	–	1	120	1/2"	2#12, 1#12G	MANUAL SWITCH	J.B. FURNISHED BY MFG.
13	FIRE SUPPRESSION SYSTEM (ANSUL)	–	–	–	1	120	1/2"	2#12, 1#12G	DIRECT CONN	TIE TO FACP
14	ROOFTOP EXHAUST FAN	1/2	–	–	3	208	1/2"	3#12, 1#12G	30A/3P, 15AF	ON ROOF
15	ROOFTOP MAKE-UP AIR FAN	1	–	–	3	208	1/2"	3#12, 1#12G	30A/3P, 15AF	NEMA-3R
16	RANGE, 6 BRNRS ,24" GRDL (GAS), DBL OVEN	–	–	–	1	120	1/2"	2#12, 1#12G	DIRECT CONN	CONTROL CIRCUIT
17	CONVECTION OVEN	1/2	–	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
19	STEAMER	–	25	–	3	208	3/4"	3#8, 1#10G	DIRECT CONN	+4'-0"
20	DEEP FAT FRYER (GAS) (NO ELEC.)	–	–	–	–	–	–	–	–	–
22	BOOSTER HEATER	–	–	9	3	208	3/4"	3#8, 1#10G	60A/3P, 40AF	NEMA-3R
23	FOOD MIXER	1/2	–	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
26	DISH DISPENSER: HEATED, SELF-LEVELING	–	–	1.0	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
27	HOT FOOD WELLS	–	–	3.75	1	208	1/2"	2#10, 1#10G	DIRECT CONN.	+6" AFF, NEMA-6-30P
28	CONVEYOR TOASTER	–	–	3.8	1	208	1/2"	2#10, 1#10G	CORD & PLUG	NEMA-6-20P
29	MICROWAVE OVEN	–	–	1.4	1	120	1/2"	2#12, 1#12G	CORD & PLUG	NEMA-5-20P
32	FOOD SLICER	–	10	–	1	120	1/2"	2#12, 1#12G	CORD & PLUG	VERIFY AMP, VOLTS
35	FOOD WASTE DISPOSER (2)	1 1/2	–	–	3	208	1/2"	3#12, 1#12G	DIRECT CONN	CONTROLS BY MFG
36	DISHWASHING MACHINE	1.0	–	–	3	208	1"	3#4, 1#8G	DIRECT CONN	CONTROLS BY MFG
37	EXHAUST FAN (DISHWASHER)	–	–	–	1	120	1/2"	2#12, 1#12G	MANUAL SWITCH	SW-BY HOOD MFG.
45	WALK-IN FREEZER/COOLER (LTS, HTRS)	–	–	–	1	120	1/2"	2#12, 1#12G	DIRECT CONN	J.B. FURNISHED BY MFG.
46	MED. TEMP COIL	1/6	–	–	1	120	1/2"	2#12, 1#12G	DIRECT CONN	J.B. FURNISHED BY MFG.
47	MED. TEMP CONDENSOR	3/4	–	–	3	208	1/2"	3#12, 1#12G	30A/3P, 15AF	NEMA-3R
48	LOW TEMP COIL	1/6	–	–	1	120	1/2"	2#12, 1#12G	DIRECT CONN	J.B. FURNISHED BY MFG.
49	LOW TEMP CONDENSOR	1-1/2	–	–	3	208	1/2"	3#12, 1#12G	30A/3P, 15AF	NEMA-3R
54	FLY FAN	–	–	–	1	120	1/2"	2#12, 1#12G	DOOR CONTACT SW.	–

PANEL-K (NORMAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4

VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	A B C	LOADING A	B	C	PHASE	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	ICE MAKER (1)	16				6				RECPTS	20/1	2
3	20/1	SPARE		–				18			TOASTER (28)	30/2	4
5	20/1	SPARE			–				18				6
7	20/1	RECPTS	6				17				CHEF'S TABLE (27)	30/2	8
9	30/2	COFFEE		18				17					10
11					18				6		MIXER (23)	20/1	12
13	20/1	BEVERAGE COUNTER	6				8				FOOD BLENDER (9)	20/1	14
15	20/1	PLATE DISPENSER (26)		6				6			GEN. RECPT.	20/1	16
17	20/1	FOOD PROCESSOR (10)			8				6		RECPTS-OFFICE	20/1	18
19	20/1	HOOD LTS (12)	6				9				RECPTS-20	20/1	20
21	20/1	DISHWASHER HOOD(37)		6				9			RECPTS-20	20/1	22
23	20/1	FOOD SLICER (32)			10				4		FAN-3	20/1	24
25	20/1	CONVECTION OVEN (17)	12				–				BLANK	–	26
27		(SHUNT TRIP)		–			–				BLANK	–	28
29	20/1	CONVECTION OVEN (17)			12			–			BLANK	–	30
31		(SHUNT TRIP)	–					–			BLANK	–	32
33	–	BLANK		–					–		BLANK	–	34
35	–	BLANK			–					–	BLANK	–	36
37	–	BLANK	–				–				BLANK	–	38
39	–	BLANK		–				–			BLANK	–	40
41	–	BLANK			–				–		BLANK	–	42
SUBTOTAL			46	30	48		40	50	34				

TOTAL PANEL LOAD: A@ 86A B@ 80A C@ 82A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

PANEL-KS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4

VOLTS 120/208 MAIN 400A MLO FRAME 400A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	A B C	LOADING A	B	C	PHASE	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	15/3*	EXHAUST FAN (14)	4				25				BOOSTER HEATER (22)	40/3	2
3				4				25					4
5					4				25				6
7	40/3*	STEAMER (19)	25				5				DISPOSAL (35)	15/3	8
9				25				5					10
11					25				5				12
13	15/3	MAKE-UP AIR (15)	4				4				DISHWASHER (36)	15/3	14
15				4				4					16
17					4				4				18
19	15/3	DISPOSAL (35)	5				–				BLANK	–	20
21				5				–			BLANK	–	22
23					5				–		BLANK	–	24
25	100/3	PANEL-K	86						–		BLANK	–	26
27				80						–	BLANK	–	28
29					82					–	BLANK	–	30
31	60/3	HP-4 IDU	36				45				HP-5B IDU	60/3	32
33				36				45					34
35					36				45				36
37	100/3	HP-5A, 5B & 4 ODU	72				45				HP-5A IDU	60/3	38
39				72				45					40
41					72				45				42
SUBTOTAL			232	226	228		124	124	124				

TOTAL PANEL LOAD: A@ 356A B@ 350A C@ 352A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

NORTH CAROLINA PROFESSIONAL SEAL 022466 ENGINEER EDGAR P. HAYES 1/31/01

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
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REV. #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

KITCHEN PLAN

SHEET NO. E8 OF 14

H:\DWGFILE\Cabrus-01\01\01\01E08.dwg Mon Jan 29 13:24:24 2001

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
F	MANUAL PULL STATION MTD. AT 4'-0" TO CENTER
S	SMOKE DETECTOR, IONIZATION TYPE, CEILING MOUNTED
FD	CHIME/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
FH	HORN/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
H	HEAT DETECTOR, RATE OF RISE INDICATED IN DEGREES
F	FLOW SWITCH BY OTHERS
LP	LOW PRESSURE INDICATOR
HP	HIGH PRESSURE INDICATOR
PIV	POST INDICATOR VALVE BY OTHERS
T	TAMPER SWITCH BY OTHERS
■	MAGNETIC DOOR CONTACTS
FACP	FIRE ALARM PANEL
D	DUCT DETECTOR
	AIR HANDLING UNIT BY MECHANICAL CONTRACTOR - SHUTDOWN, SHUTDOWN RELAY & WIRING BY ELECTRICAL CONTRACTOR
S	STROBE ONLY, ADA, +80" ABOVE THE FLOOR OR 6" BELOW CEILING
C	CONTROL MODULE
M	MONITOR MODULE
A	ANSUL
WP	WEATHERPROOF
S	SMOKE DETECTOR WITH DOME LIGHT, TIE TO SYSTEM F.A.
	NURSE CALL/WHITE LIGHT - FIRE ALARM/RED LIGHT, MOUNTED AT SIDE OF DOOR

NOTES:

1. IN THE EVENT OF A VALVE CLOSURE THAT ACTIVATES A TAMPER SWITCH, THE TROUBLE SIGNALS (BOTH AUDIBLE AND VISUAL) SHALL ACTIVATE AT THE CONTROL PANEL. IN ADDITION, THE ASSOCIATED CIRCUIT TROUBLE LED SHALL ILLUMINATE TO INDICATE THE TAMPER SWITCH CLOSURE. BY MEANS OF A SILENCING SWITCH, IT SHALL BE POSSIBLE TO TEMPORARILY SILENCE THE AUDIBLE ALARM. THE AUDIBLE ALARM SHALL REACTIVATE AUTOMATICALLY ON A PERIODIC BASIS UNTIL THE SYSTEM IS CORRECTED. IT SHALL NOT BE POSSIBLE TO EXTINGUISH THE TROUBLE LIGHT UNTIL THE SYSTEM IS CORRECTED.
2. ALL FIRE ALARM CONDUIT SHALL BE 3/4" UNLESS FIRE RATED CABLE IS APPROVED BY THE STATE AND LOCAL AUTHORITIES.
3. ALL WIRE SHALL BE SIZED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE RELAY MODULE FOR:
   A. MAGNETIC DOOR HOLDERS
   B. AHU SHUTDOWN
5. PHONE DIALER SHALL BE CONNECTED TO A CENTRAL MONITORING STATION. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED FOR THIS CONNECTION AND SHALL PAY ALL FEES REQUIRED FOR THIS CONNECTION. PHONE DIALER SHALL BE A DUAL LINE DIALER PROVIDED BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PROVIDE ANY REQUIRED SHUT DOWN RELAYS AT THE HVAC UNIT AND SHALL PROVIDE ALL WIRING AND CONNECTIONS.
6. ALL AHU'S SHALL SHUT DOWN ON GENERAL ALARM.
7. ALL SECURITY OPERATED DOORS SHALL OPEN UPON GENERAL ALARM CONDITIONS.
8. INTERIOR TAMPER SWITCHES, PRESSURE OR FLOW SWITCHES AND TAMPER SWITCH AT POST INDICATING VALVE SHALL BE BY OTHERS WITH CONNECTION AND INSTALLATION BY THE CONTRACTOR. ALL OTHER EQUIPMENT AND INSTALLATION SHALL BE BY THE CONTRACTOR INCLUDING DUCT DETECTORS AND TAMPER SWITCHES IN THE BACKFLOW PREVENTER PIT.
9. SYSTEM SHALL BE ADDRESSABLE. LOOPS SHALL BE CONTINUOUS WITHOUT SPLICES. POWER SUPPLIES AND BATTERIES TO BE PROVIDED PER MFG. CALCULATIONS.
10. UPON COMPLETION OF THE INSTALLATION THE CONTRACTOR SHALL PROVIDE SMOKE DETECTOR SENSITIVITY REPORT AT THE FINAL STATE INSPECTION - SEE SPECS FOR COPY OF REPORT.
11. SYSTEM SHALL BE POWER LIMITED TYPE.
12. ALL COMPONENTS SHALL REFLECT U.L. LISTING AND LABELING FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE.
13. SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 72E, 70, ARTICLE 760-15, -16, -21, 7 NFPA 101 ARTICLE 7-6 AND ANSI A 17.1, 4.26

DIGITAL COMMUNICATOR:

A. THE COMMUNICATOR SHALL TRANSMIT SIGNALS TO A CENTRAL STATION AND SHALL BE UL OR FM LISTED FOR FIRE REPORTING TO A CENTRAL STATION. THE COMMUNICATOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA 71.

THE DIGITAL COMMUNICATOR SHALL PROVIDE POWER AND NECESSARY COMPONENTS FOR FOUR SUPERVISED DETECTION CIRCUITS. ONE SHALL BE CLASS A AND THREE SHALL BE CLASS B.

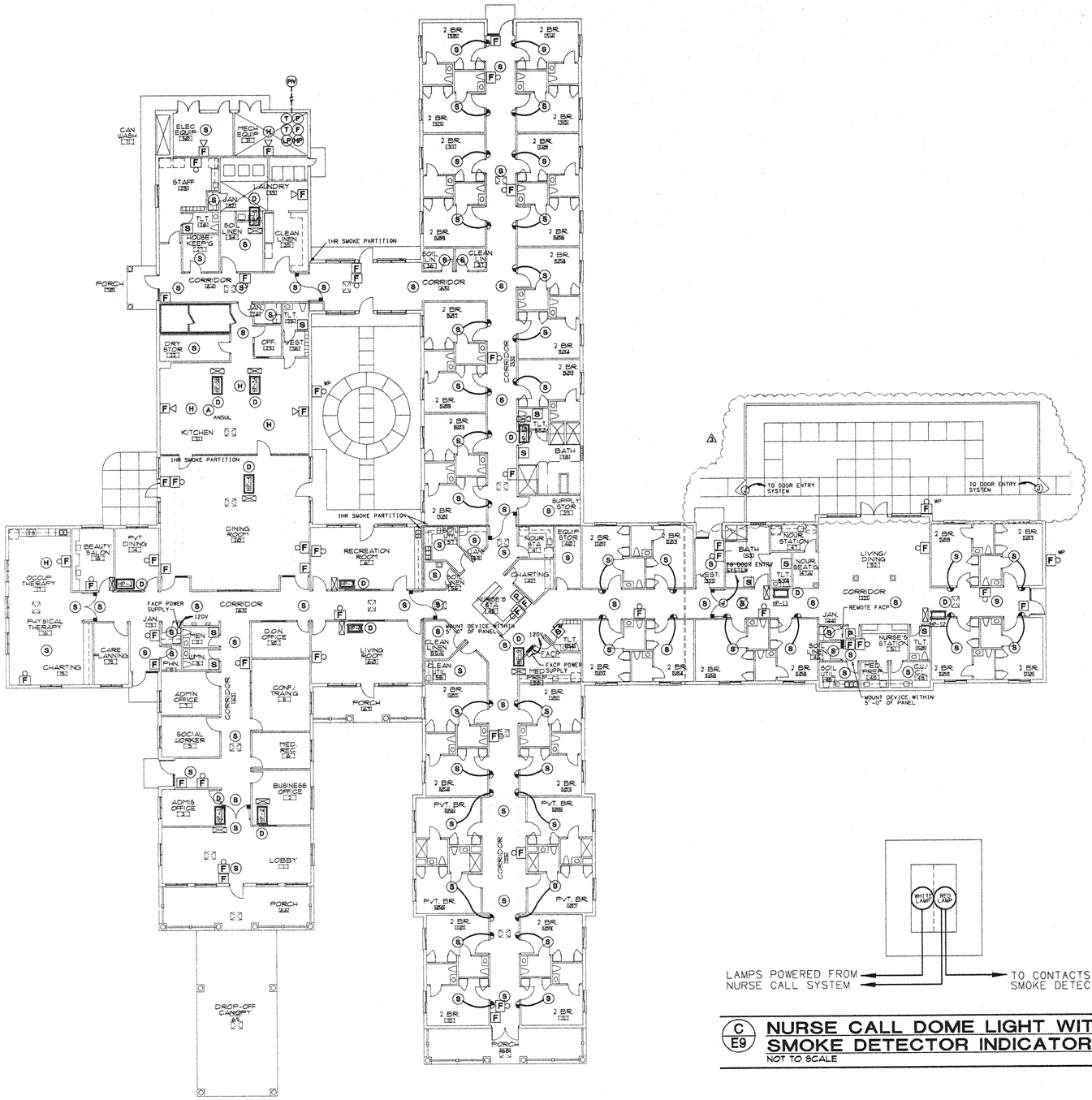
THE CONTROL/COMMUNICATOR SHALL HAVE THE CAPABILITY TO SUPERVISE TWO TELEPHONE LINES, SEIZE THE PHONE LINE AND SEND THE ALARM SIGNAL ON ONE OR BOTH LINES WITHOUT THE ADDITION OF ANY MORE EQUIPMENT. IT SHALL SOUND A LOCAL TROUBLE SIGNAL IF THE TELEPHONE SERVICE IS INTERRUPTED FOR LONGER THAN 45 SECONDS AND IT SHALL TRANSMIT A SIGNAL INDICATING THE LOSS OF PHONE LINE SERVICE TO THE CENTRAL STATION OVER THE REMAINING PHONE LINE. A SIGNAL SHALL ALSO BE TRANSMITTED INDICATING THE RESTORAL OF PHONE SERVICE. THE CONTROL/COMMUNICATOR SHALL BE ABLE TO REPORT THE LOSS OF EITHER PHONE LINE WITHOUT REGARD TO WHICH PHONE LINE FAILED FIRST. IF BOTH LINES FAIL, A LOCAL SIGNAL SHALL SOUND.

THE CONTROL/COMMUNICATOR SHALL HAVE THE ABILITY TO SEND A TEST SIGNAL TO THE CENTRAL STATION EVERY 24-HOURS. THE TEST SIGNAL SHALL BE ABLE TO BE TRANSMITTED AT A SPECIFIC TIME OF DAY OR NIGHT BY SETTING A PROGRAM WITHIN THE PANEL.

THE COMMUNICATOR SHALL BE ABLE TO TRANSMIT ALL SIGNALS IN THE STANDARD SIA FORMAT (SECURITY INDUSTRY ASSOCIATION).

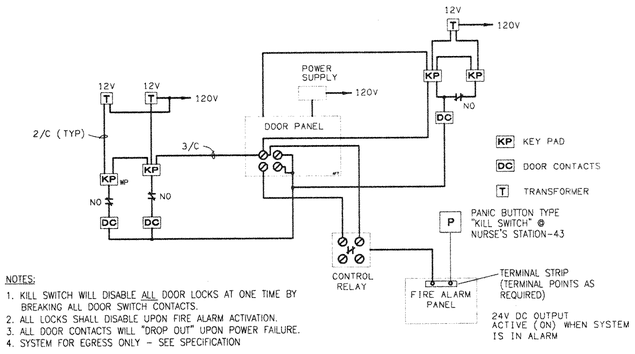
THE ALARM SIGNALS TRANSMITTED TO THE CENTRAL STATION SHALL INDICATE WHICH OF THE ZONES IS IN ALARM AND WHICH ZONES ARE IN TROUBLE. RESTORAL FROM ALARM OR TROUBLE SHALL ALSO BE TRANSMITTED BY ZONE.

B. ALL WIRING FROM THE FACP TO THE DIGITAL COMMUNICATOR SHALL BE IN 3/4" CONDUIT.



A/E9 ADDRESSABLE FIRE ALARM PLAN

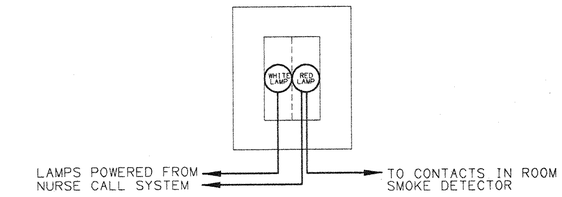
SCALE: 1/16" = 1'-0"



NOTES:
1. KILL SWITCH WILL DISABLE ALL DOOR LOCKS AT ONE TIME BY BREAKING ALL DOOR SWITCH CONTACTS.
2. ALL LOCKS SHALL DISABLE UPON FIRE ALARM ACTIVATION.
3. ALL DOOR CONTACTS WILL "DROP OUT" UPON POWER FAILURE.
4. SYSTEM FOR EGRESS ONLY - SEE SPECIFICATION

B/E9 MAGNETIC DOOR LOCKING SYSTEM

NOTE: ALL WIRE & CONDUIT SIZED BY MFG.



C/E9 NURSE CALL DOME LIGHT WITH SMOKE DETECTOR INDICATOR LAMP

NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 022466 ENGINEER EDGAR L. HAYES

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
	DFS COMMENTS	11-06-00
1	ARCHITECTURAL CHANGES	01-26-01
2	ELECTRICAL CHANGES	07-25-01

ADDRESSABLE FIRE ALARM PLAN

SHEET NO. E9 OF 14

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
F	MANUAL PULL STATION MTD. AT 4'-0" TO CENTER
S	SMOKE DETECTOR, IONIZATION TYPE; CEILING MOUNTED
FD	CHIME/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
FH	HORN/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
H	HEAT DETECTOR, RATE OF RISE INDICATED IN DEGREES
F	FLOW SWITCH BY OTHERS
LP	LOW PRESSURE INDICATOR
HP	HIGH PRESSURE INDICATOR
PIV	POST INDICATOR VALVE BY OTHERS
T	TAMPER SWITCH BY OTHERS
	MAGNETIC DOOR CONTACTS
	FIRE ALARM PANEL
D	DUCT DETECTOR
	AIR HANDLING UNIT BY MECHANICAL CONTRACTOR - SHUTDOWN, SHUTDOWN RELAY & WIRING BY ELECTRICAL CONTRACTOR
B	STROBE ONLY, ADA, +80" ABOVE THE FLOOR OR 6" BELOW CEILING
C	CONTROL MODULE
M	MONITOR MODULE
A	ANSUL
WP	WEATHERPROOF
S	SMOKE DETECTOR WITH DOME LIGHT, TIE TO SYSTEM F.A.
	NURSE CALL/WHITE LIGHT - FIRE ALARM/RED LIGHT, MOUNTED AT SIDE OF DOOR

DIGITAL COMMUNICATOR:

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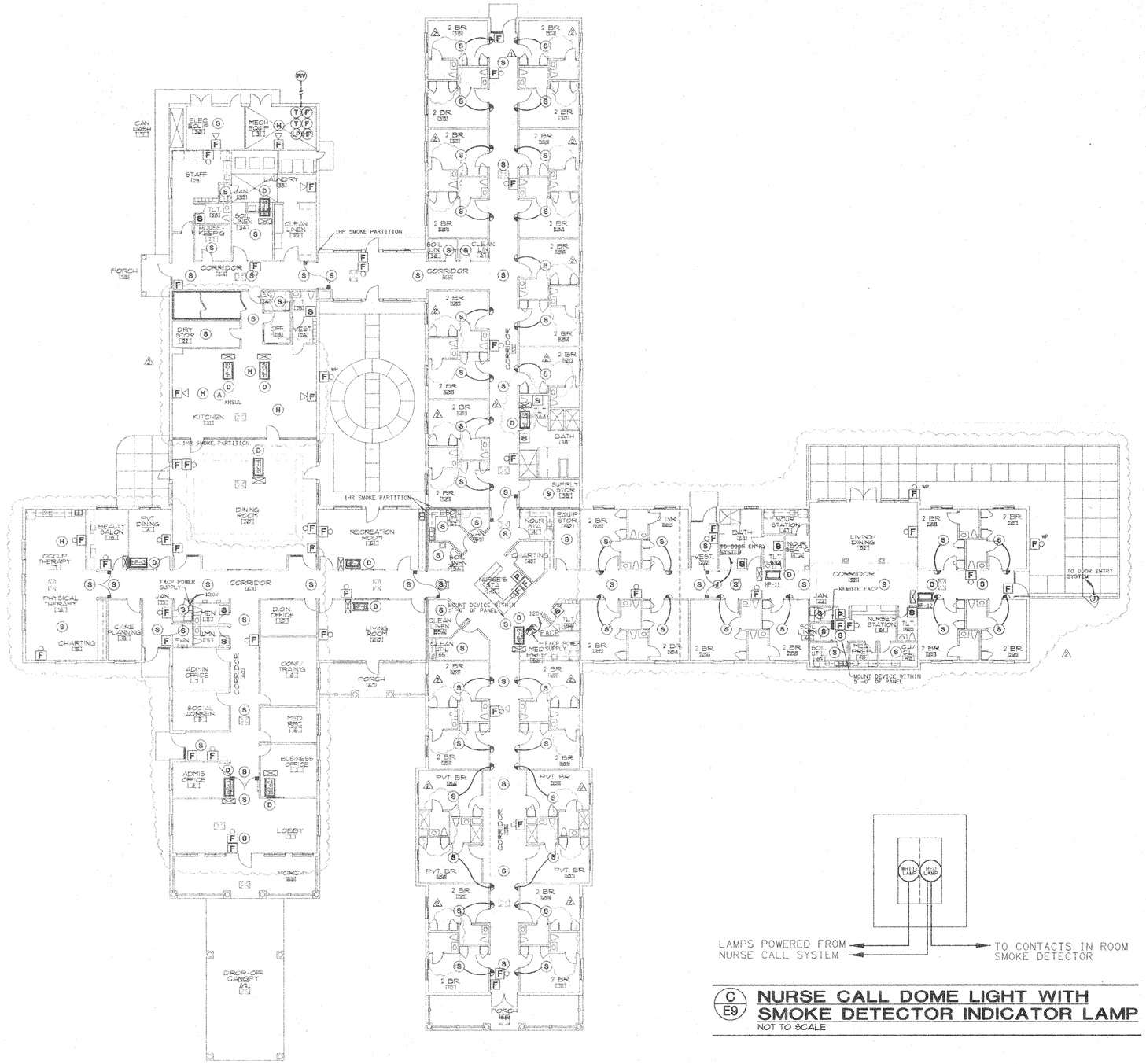

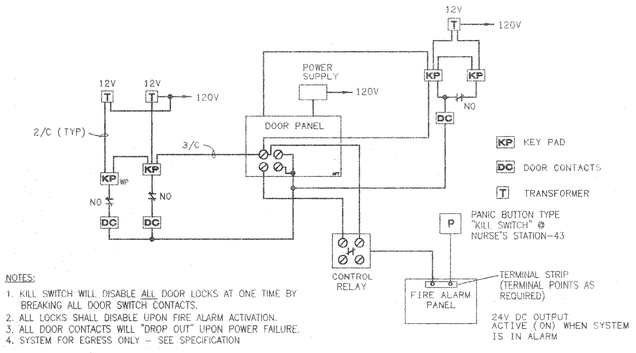

NOTES:
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2. ALL LOCKS SHALL DISABLE UPON FIRE ALARM ACTIVATION.
3. ALL DOOR CONTACTS WILL "DROP OUT" UPON POWER FAILURE.
4. SYSTEM FOR EGRESS ONLY - SEE SPECIFICATION

B / E9 MAGNETIC DOOR LOCKING SYSTEM
NOTE: ALL WIRE & CONDUIT SIZED BY MFG.

A / E9 ADDRESSABLE FIRE ALARM PLAN
SCALE: 1/16" = 1'-0"

C / E9 NURSE CALL DOME LIGHT WITH SMOKE DETECTOR INDICATOR LAMP
NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 022405 ENGINEER EDGAR R. HAYES 12/7

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

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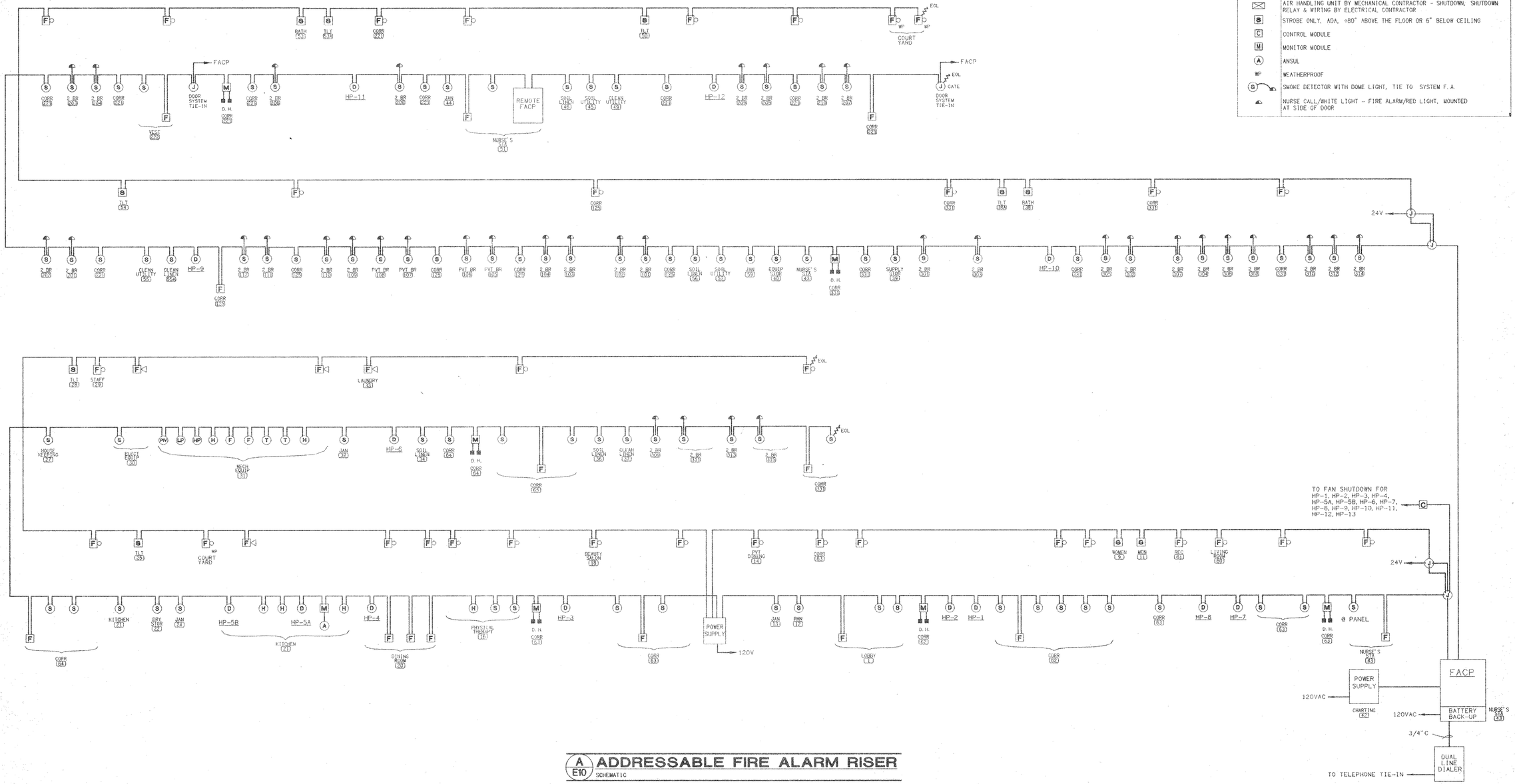
REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-15-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

ADDRESSABLE FIRE ALARM PLAN

SHEET NO. E9 OF 14

H:\DWGFILE\Cabrus-01301\01301E09.dwg Mon Jan 29 09:12:32 2001

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
F	MANUAL PULL STATION MTD. AT 4'0" TO CENTER
S	SMOKE DETECTOR, IONIZATION TYPE, CEILING MOUNTED
Fp	CHIME/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
Fh	HORN/STROBE, MOUNTED AT 80" ABOVE THE FLOOR OR 6" BELOW CEILING
H	HEAT DETECTOR, RATE OF RISE INDICATED IN DEGREES
F	FLOW SWITCH BY OTHERS
LP	LOW PRESSURE INDICATOR
HP	HIGH PRESSURE INDICATOR
PIV	POST INDICATOR VALVE BY OTHERS
T	TAMPER SWITCH BY OTHERS
	MAGNETIC DOOR CONTACTS
	FIRE ALARM PANEL
D	DUCT DETECTOR
	AIR HANDLING UNIT BY MECHANICAL CONTRACTOR - SHUTDOWN, SHUTDOWN RELAY & WIRING BY ELECTRICAL CONTRACTOR
S	STROBE ONLY, ADA, +80" ABOVE THE FLOOR OR 6" BELOW CEILING
C	CONTROL MODULE
M	MONITOR MODULE
A	ANSUL
WP	WEATHERPROOF
S	SMOKE DETECTOR WITH DOME LIGHT, TIE TO SYSTEM F.A.
	NURSE CALL/WHITE LIGHT - FIRE ALARM/RED LIGHT, MOUNTED AT SIDE OF DOOR



A E10 ADDRESSABLE FIRE ALARM RISER
SCHEMATIC

H:\DWGFILE\Cabarrus-01\2a\10\30\E10.dwg Mon Jan 29 09:17:00 2001

NORTH CAROLINA PROFESSIONAL 022466 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

ADDRESSABLE FIRE ALARM RISER

SHEET NO.
E10
OF
14

REMOTE GENERATOR MONITOR & GENERATOR CONTROL PANEL.

THE REMOTE GENERATOR MONITOR SHALL BE LOCATED AT THE NURSE'S STATION(S) AND SHALL BE A CONSOLE UNIT OR A WALL MOUNTED UNIT.

THE ANNUNCIATOR CONTROL PANEL SHALL INDICATE THE FOLLOWING CONDITIONS AND POSSIBLE MALFUNCTION OF THE EMERGENCY ELECTRIC PLANT WITH AN LED AND AN AUDIBLE ALARM.

HIGH WATER TEMPERATURE LIGHT.

LOW WATER TEMPERATURE LIGHT.

HIGH BATTER VOLTAGE LIGHT.

LOW BATTER VOLTAGE LIGHT.

GENERATOR POWER LIGHT.

SYSTEM READY LIGHT

ALARM SWITCH OFF LIGHT.

LINE POWER LIGHT.

OVERCRANK LIGHT.

OVERSPEED LIGHT.

LOW FUEL LIGHT.

LOW OIL PRESSURE LIGHT.

ALARM ON/OFF SWITCH.

RESET SWITCH.

TEST SWITCH.

BATTERY FUSE.

ANNUNCIATOR HORN.

48 HOUR LOW LEVEL ALARM ON FUEL CAPACITY.

IF FOR ANY REASON THE GENERATOR SYSTEM WERE TO BECOME DISABLED, THE ANNUNCIATOR PANEL OF THE GENERATOR IS TO BE POWERED BY THE BATTERY WHICH IS USED TO START THE GENERATOR SET. PROVIDE NECESSARY WIRING CONNECTIONS TO ACCOMPLISH THIS TASK.

NURSE'S CALL LEGEND

SYMBOL	DESCRIPTION
⌓	NURSE'S CALL, DOME LIGHT, MOUNT @ SIDE OF DOOR
◒	NURSCE CALL/WHITE LIGHT - FIRE ALARM/RED LIGHT, MOUNTED AT SIDE OF DOOR
B	NURSE'S CALL, BEDSIDE STATION, @ 4'-6" AFF
C	NURSE'S CALL, EMERGENCY STATION IN TOILET AND BATHS 3'-6" TO CENTERLINE, WEATHERPROOF
◓	NURSE'S CALL, DIRECTIONAL DOME LIGHT TO INDICATE AREA OF PATIENT NEED
D	DUTY STATION @ 4'-6" AFF
M	MASTER NURSE CALL STATION

NOTES: 1. ALL EMERGENCY PULL STATIONS IN SHOWERS TO BE WATERPROOF.
2. PULL CORD FOR EMERGENCY STATIONS SHALL BE WITHIN 2" OF FLOOR.

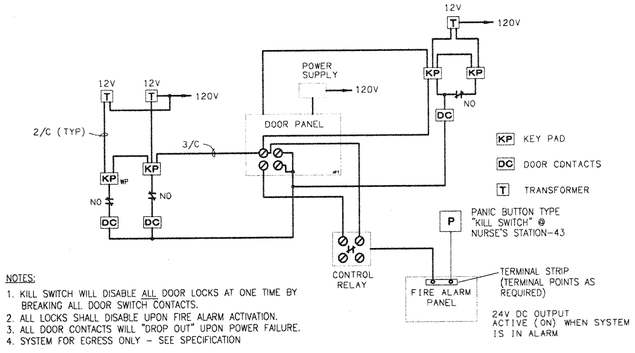
PAGING LEGEND

SYMBOL	DESCRIPTION
◎	PAGING SPEAKER ASSEMBLY
V	VOLUME CONTROL

NOTES:
1. MAINTAIN CEILING FIRE RATING WITH "BOX" OR "BLANKET" FOR RECESSED SPEAKERS OR USE SURFACE MOUNTED SPEAKERS.
2. THE PAGING SYSTEM SHALL BE CONNECTED TO THE TELEPHONE SYSTEM.
3. SYSTEM SHALL BE ONE WAY COMMUNICATION.
4. PAGING SYSTEM SHALL HAVE CONNECTION FOR MUSIC/ RADIO/C.D.

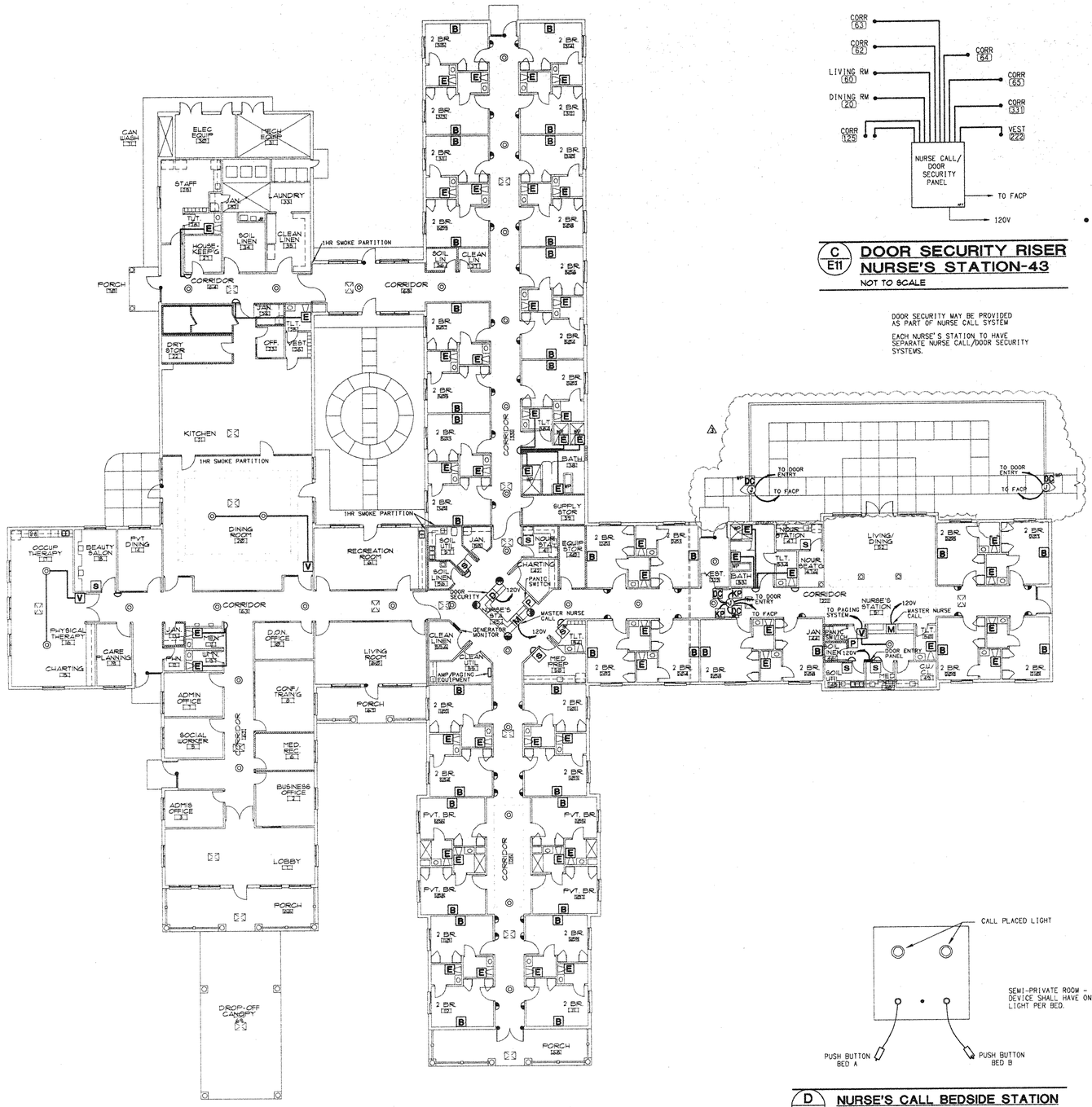
DOOR SECURITY LEGEND

SYMBOL	DESCRIPTION
•	DOOR CONTACT



NOTES:
1. KILL SWITCH WILL DISABLE ALL DOOR LOCKS AT ONE TIME BY BREAKING ALL DOOR SWITCH CONTACTS.
2. ALL LOCKS SHALL DISABLE UPON FIRE ALARM ACTIVATION.
3. ALL DOOR CONTACTS WILL "DROP OUT" UPON POWER FAILURE.
4. SYSTEM FOR EGRESS ONLY - SEE SPECIFICATION

B / E11 MAGNETIC DOOR LOCKING SYSTEM
NOTE: ALL WIRE & CONDUIT SIZED BY MFG.



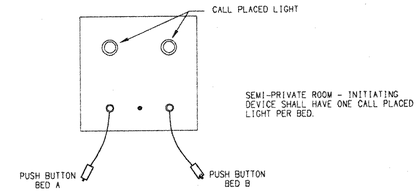
A / E11 SYSTEMS PLAN
SCALE: 1/16" = 1'-0"

C / E11 DOOR SECURITY RISER NURSE'S STATION-43
NOT TO SCALE

DOOR SECURITY MAY BE PROVIDED AS PART OF NURSE CALL SYSTEM

EACH NURSE'S STATION TO HAVE SEPARATE NURSE CALL/DOOR SECURITY SYSTEMS.

• DOOR SWITCH



D / E11 NURSE'S CALL BEDSIDE STATION
NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 022468 ENGINEER EDGAR C. HAYES
AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
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PHONE: (910) 799-1484
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CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01
3	ELECTRICAL CHANGES	07-25-01

SYSTEMS PLAN

SHEET NO. E11 OF 14

REMOTE GENERATOR MONITOR & GENERATOR CONTROL PANEL. THE REMOTE GENERATOR MONITOR SHALL BE LOCATED AT THE NURSE'S STATION(S) AND SHALL BE A CONSOLE UNIT OR A WALL MOUNTED UNIT. THE ANNUNCIATOR CONTROL PANEL SHALL INDICATE THE FOLLOWING CONDITIONS AND POSSIBLE MALFUNCTION OF THE EMERGENCY ELECTRIC PLANT WITH AN LED AND AN AUDIBLE ALARM. HIGH WATER TEMPERATURE LIGHT. LOW WATER TEMPERATURE LIGHT. HIGH BATTER VOLTAGE LIGHT. LOW BATTER VOLTAGE LIGHT. GENERATOR POWER LIGHT. SYSTEM READY LIGHT	ALARM SWITCH OFF LIGHT. LINE POWER LIGHT. OVERCRANK LIGHT. OVERSPEED LIGHT. LOW FUEL LIGHT. LOW OIL PRESSURE LIGHT. ALARM ON/OFF SWITCH. RESET SWITCH. TEST SWITCH. BATTERY FUSE. ANNUNCIATOR HORN. 48 HOUR LOW LEVEL ALARM ON FUEL CAPACITY.
IF FOR ANY REASON THE GENERATOR SYSTEM WERE TO BECOME DISABLED, THE ANNUNCIATOR PANEL OF THE GENERATOR IS TO BE POWERED BY THE BATTERY WHICH IS USED TO START THE GENERATOR SET. PROVIDE NECESSARY WIRING CONNECTIONS TO ACCOMPLISH THIS TASK.	

NURSE'S CALL LEGEND

SYMBOL	DESCRIPTION
⌓	NURSE'S CALL, DOME LIGHT, MOUNT @ SIDE OF DOOR
◭	NURSCE CALL/WHITE LIGHT - FIRE ALARM/RED LIGHT, MOUNTED AT SIDE OF DOOR
B	NURSE'S CALL, BEDSIDE STATION, @ 4'-6" AFF
E	NURSE'S CALL, EMERGENCY STATION IN TOILET AND BATHS 3'-6" TO CENTERLINE, WEATHERPROOF
◓	NURSE'S CALL, DIRECTIONAL DOME LIGHT TO INDICATE AREA OF PATIENT NEED
S	DUTY STATION @ 4'-6" AFF
M	MASTER NURSE CALL STATION

NOTES: 1. ALL EMERGENCY PULL STATIONS IN SHOWERS TO BE WATERPROOF.
2. PULL CORD FOR EMERGENCY STATIONS SHALL BE WITHIN 2" OF FLOOR.

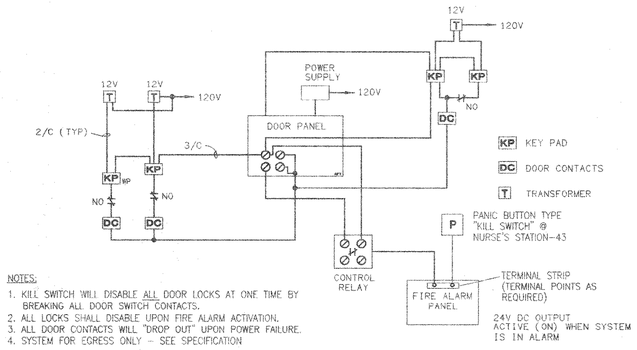
PAGING LEGEND

SYMBOL	DESCRIPTION
◎	PAGING SPEAKER ASSEMBLY
V	VOLUME CONTROL

NOTES:
1. MAINTAIN CEILING FIRE RATING WITH "BOX" OR "BLANKET" FOR RECESSED SPEAKERS OR USE SURFACE MOUNTED SPEAKERS.
2. THE PAGING SYSTEM SHALL BE CONNECTED TO THE TELEPHONE SYSTEM.
3. SYSTEM SHALL BE ONE WAY COMMUNICATION.
4. PAGING SYSTEM SHALL HAVE CONNECTION FOR MUSIC/RADIO/C.D.

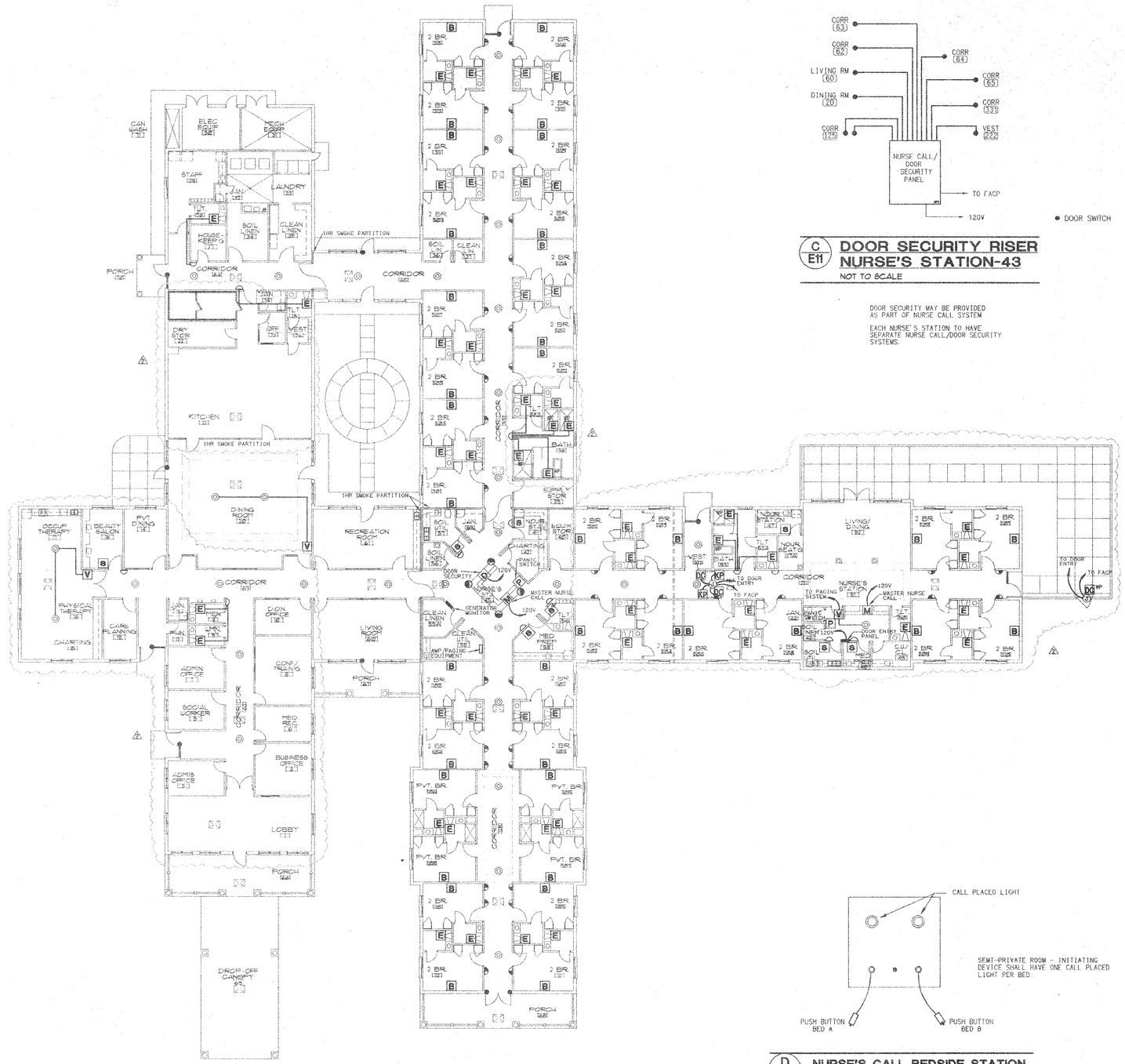
DOOR SECURITY LEGEND

SYMBOL	DESCRIPTION
●	DOOR CONTACT



NOTES:
1. KILL SWITCH WILL DISABLE ALL DOOR LOCKS AT ONE TIME BY BREAKING ALL DOOR SWITCH CONTACTS.
2. ALL LOCKS SHALL DISABLE UPON FIRE ALARM ACTIVATION.
3. ALL DOOR CONTACTS WILL "DROP OUT" UPON POWER FAILURE.
4. SYSTEM FOR EGRESS ONLY - SEE SPECIFICATION

B / E11 MAGNETIC DOOR LOCKING SYSTEM
NOTE: ALL WIRE & CONDUIT SIZED BY MFG.



A / E11 SYSTEMS PLAN
SCALE: 1/16" = 1'-0"

C / E11 DOOR SECURITY RISER NURSE'S STATION-43
NOT TO SCALE

DOOR SECURITY MAY BE PROVIDED AS PART OF NURSE CALL SYSTEM

EACH NURSE'S STATION TO HAVE SEPARATE NURSE CALL/DOOR SECURITY SYSTEMS.

D / E11 NURSE'S CALL BEDSIDE STATION
NOT TO SCALE

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILMINGTON, NC 28405
PHONE: (910) 799-1484
FAX: (910) 799-3382

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

NORTH CAROLINA PROFESSIONAL SEAL 022405 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

SYSTEMS PLAN

SHEET NO. E11 OF 14

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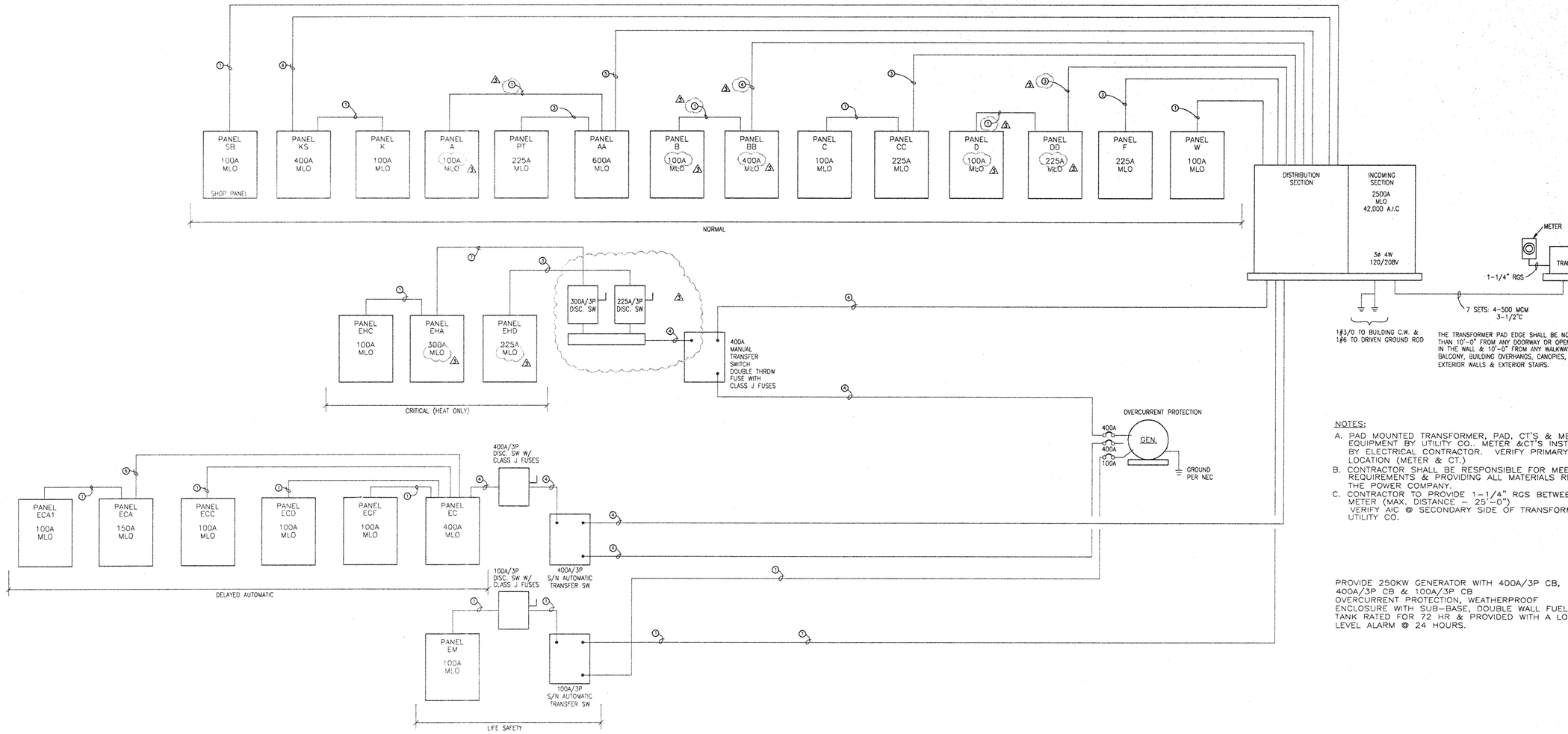


NOTES:

A. PAD MOUNTED TRANSFORMER, PAD, CT'S & METERING EQUIPMENT BY UTILITY CO. METER &CT'S INSTALLATION BY ELECTRICAL CONTRACTOR. VERIFY PRIMARY SERVICE LOCATION (METER & CT.)
B. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL REQUIREMENTS & PROVIDING ALL MATERIALS REQ'D BY THE POWER COMPANY.
C. CONTRACTOR TO PROVIDE 1-1/4" RGS BETWEEN CT & METER (MAX. DISTANCE - 25'-0") VERIFY AIC @ SECONDARY SIDE OF TRANSFORMER WITH UTILITY CO.

PROVIDE 250KW GENERATOR WITH 400A/3P CB, 400A/3P CB & 100A/3P CB OVERCURRENT PROTECTION, WEATHERPROOF ENCLOSURE WITH SUB-BASE, DOUBLE WALL FUEL TANK RATED FOR 72 HR & PROVIDED WITH A LOW LEVEL ALARM @ 24 HOURS.

PANEL MDP (SPLIT BUSS)

TYPE SWBRD MOUNTING FLOOR ENCLOSURE NEMA-1 PHASE 3 WIRE 4

VOLTS 120/208 MAIN 2500A MLO FRAME 2500A SHORT CIRRATING 42 ,000 RMS SYM

CKT NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	ABC	ABC	PHASE LOADING A	B	C	DESCRIPTION	CKT BKR TRIP	CKT NO.
1	600/3	PANEL-AA	380					176			PANEL-BB	400/3	2
				388					171				
					376					184			
3	400/3	PANEL-KS	356					162			PANEL-CC	225/3	4
				350					176				
					352					174			
5	400/3	PANEL-EC	303					187			PANEL-DD	225/3	6
		(AUTO-DELAYED)		277					191				
					305					182			
7	400/3	DISC. SW-EH	350					142			PANEL-F	225/3	8
		(HEAT-CRITICAL)		350					141				
					336					154			
9	-/3	S/O	-					66			PANEL-W	100/3	10
				-					66				
					-					66			
11	1000/3	SUB-FEED	811					50			PANEL-EM	100/3	12
				813					46				
					828					42			
								28			PANEL-SB	60/3	14
									22				
										26			
								-			S/O	-/3	16
									-				
										-			
								-			S/O	-/3	18
									-				
										-			
								811	813	828			SUBTOTAL

TOTAL PANEL LOAD: A@ 2208A B@ 2178A C@ 2197A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

NOTES: 1. U.L. LISTED FOR SERVICE ENTRANCE.
2. CONTRACTOR TO VERIFY A.I.C. RATING WITH UTILITY CO.
3. BREAKERS TO BE SERIES RATED.

TOTAL CONNECTED LOAD	
LIGHTING	82
RECEPTACLES	178
KITCHEN	66
LAUNDRY	27
HVAC	
THRU THE WALL UNITS	146
AHU'S	181
COMPRESSORS	99
DUCT HEATERS	6
MISCELLANEOUS	6
TOTAL	791
USE 2500A-3ø-120/208V SERVICE	

WIRE/COND SIZE	
1	4#3, 1#8G, 1-1/2"C
2	4#3/0, 1#6, 2"C
3	4#4/0, 1#4G, 2-1/2"C
4	4#500MCM, 1#2G, 4"C
5	2 SETS: 4#350, 1#1G, 3-1/2"C
6	4#1/0, 1#6G, 2"C
7	4#350, 1#1G, 3-1/2"C

EMERGENCY CONNECTED LOAD	A@	B@	C@
LIFE SAFETY BRANCH	50	45	42
AUTO-DELAYED BRANCH	303	277	305
CRITICAL BRANCH (HEAT)	350	350	336
TOTAL	703	673	683
1.25 FACTOR	879	841	853
USE 250 KW-3ø-120/208V			

SYSTEM VOLTAGE - 120/208-3ø-4W

A/E14 POWER RISER
SCALE: NTS

NOTE: ALUMINUM SERVICE ENTRANCE & PANEL FEEDERS ARE ACCEPTABLE. CONTRACTOR MUST SUBMIT RISER DIAGRAM TO ENGINEER INDICATING WIRE & CONDUIT SIZED FOR ALUMINUM.

NORTH CAROLINA PROFESSIONAL SEAL 022456 ENGINEER EDGAR P. WATTS 12/97

CABARRUS COUNTY NURSING FACILITY

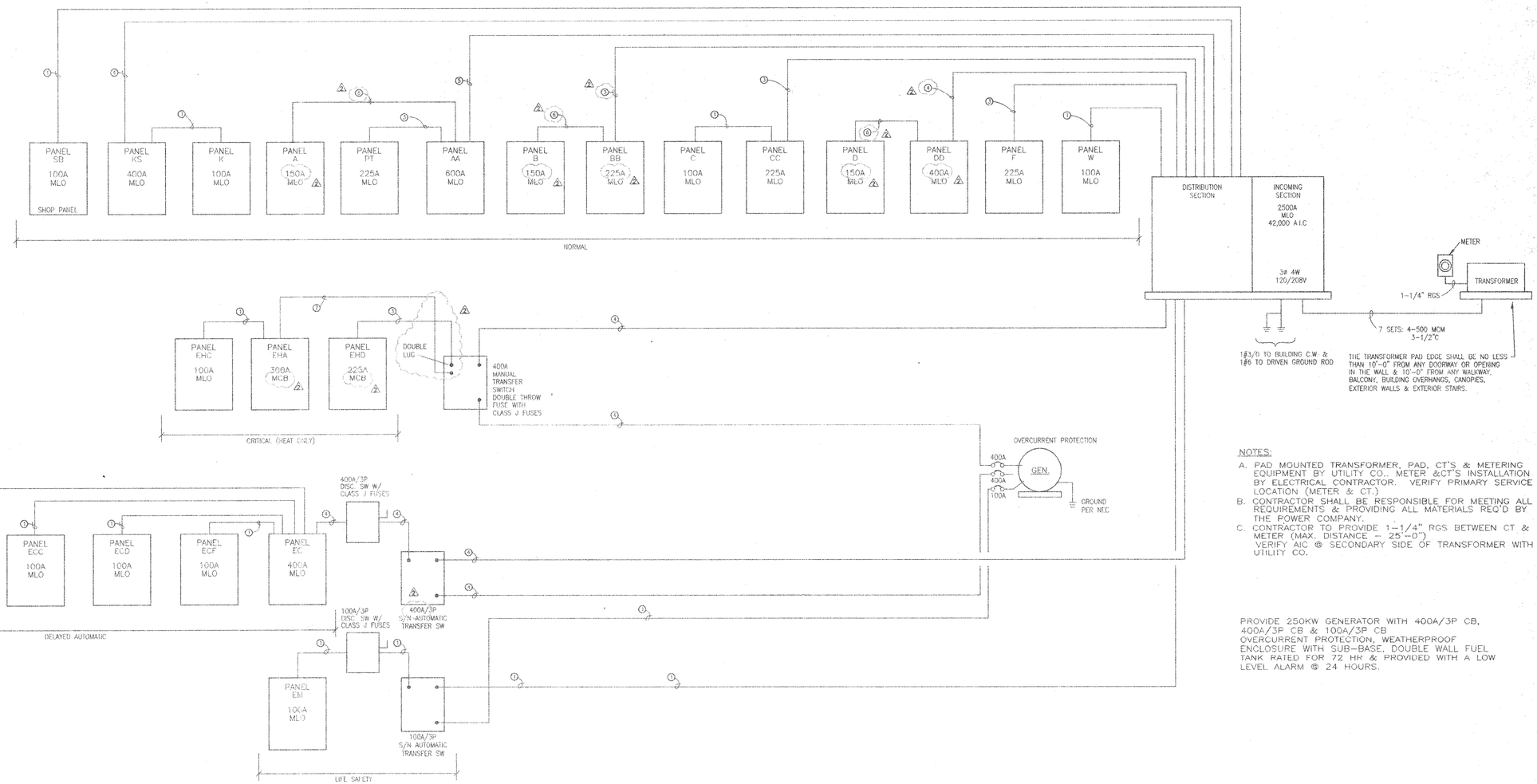
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE PHONE: (910) 799-1484
WILMINGTON, NC 28405 FAX: (910) 799-3362

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01
3	ELECTRICAL CHANGES	07-25-01

POWER RISER

SHEET NO.
E14
OF
14



NOTES:

A. PAD MOUNTED TRANSFORMER, PAD, CT'S & METERING EQUIPMENT BY UTILITY CO.. METER &CT'S INSTALLATION BY ELECTRICAL CONTRACTOR. VERIFY PRIMARY SERVICE LOCATION (METER & CT.)

B. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL REQUIREMENTS & PROVIDING ALL MATERIALS REQ'D BY THE POWER COMPANY.

C. CONTRACTOR TO PROVIDE 1-1/4" RGS BETWEEN CT & METER (MAX. DISTANCE - 25'-0") VERIFY AIC @ SECONDARY SIDE OF TRANSFORMER WITH UTILITY CO.

PROVIDE 250KW GENERATOR WITH 400A/3P CB, 400A/3P CB & 100A/3P CB OVERCURRENT PROTECTION, WEATHERPROOF ENCLOSURE WITH SUB-BASE, DOUBLE WALL FUEL TANK RATED FOR 72 HR & PROVIDED WITH A LOW LEVEL ALARM @ 24 HOURS.

PANEL MDP (SPLIT BUSS)

TYPE SWBRD MOUNTING FLOOR ENCLOSURE NEMA-1 PHASE 3 WIRE 4

VOLTS 120/208 MAIN 2500A MLO FRAME 2500A SHORT CIRRATING 42 ,000 RMS SYM

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	ARC	ARC	LOADING A	PHASE B	C	DESCRIPTION	CKT BKR. TRIP	CKT. NO.
1	600/3	PANEL-AA	390					176			PANEL-BB	225/3	2
				389					171				
					376					184			
3	400/3	PANEL-KS	356					162			PANEL-CC	225/3	4
				350					176				
					352					174			
5	400/3	PANEL-EC	303					187			PANEL-DD	225/3	6
		(AUTO-DELAYED)		277					191				
					305					188			
7	400/3	DISC. SW.-EH	350					142			PANEL-F	225/3	8
		(HEAT-CRITICAL)		350					141				
					336					154			
9	- /3	S/O	-					66			PANEL-W	100/3	10
				-					66				
					-					66			
11	1000/3	SUB-FEED	611					50			PANEL-EH	100/3	12
				813					46				
					828					42			
								28			PANEL-SB	60/3	14
									28				
										26			
								-			S/O	- /3	16
									-				
										-			
										-	S/O	- /3	18
								911	813	828			SUBTOTAL

TOTAL PANEL LOAD: A= 2200A B= 2178A C= 2197A

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

NOTES: 1. U.L. LISTED FOR SERVICE ENTRANCE.
2. CONTRACTOR TO VERIFY A.I.C. RATING WITH UTILITY CO.
3. BREAKERS TO BE SERIES RATED.

TOTAL CONNECTED LOAD	
LIGHTING	82
RECEPTACLES	178
KITCHEN	66
LAUNDRY	27
HVAC	
THRU THE WALL UNITS	146
AHU'S	181
COMPRESSORS	99
DUCT HEATERS	6
MISCELLANEOUS	6
TOTAL	791
USE 2500A-3ø-120/208V SERVICE	

	WIRE/COND SIZE
1	4#3, 1#8G, 1-1/2"C
2	4#3/0, 1#6, 2"C
3	4#4/0, 1#4G, 2-1/2"C
4	4#500MCM, 1#2G, 4"C
5	2 SETS: 4#350, 1#1G, 3-1/2"C
6	4#1/0, 1#6G, 2"C
7	4#350, 1#1G, 3-1/2"C

EMERGENCY CONNECTED LOAD	Aø	Bø	Cø
LIFE SAFETY BRANCH	50	46	42
AUTO-DELAYED BRANCH	303	277	305
CRITICAL BRANCH (HEAT)	350	350	336
TOTAL	703	673	683
1.25 FACTOR	879	841	853
USE 250 KW-3ø-120/208V			

SYSTEM VOLTAGE - 120/208-3ø-4W

A/E14 POWER RISER
SCALE: NTS

NOTE: ALUMINUM SERVICE ENTRANCE & PANEL FEEDERS ARE ACCEPTABLE. CONTRACTOR MUST SUBMIT RISER DIAGRAM TO ENGINEER INDICATING WIRE & CONDUIT SIZED FOR ALUMINUM.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022406 EDGAR F. HAYES 1/29/01

CABARRUS COUNTY NURSING FACILITY

CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

POWER RISER

SHEET NO.
E14
OF
14

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PANEL-A (NORMAL) — ADMIN. AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO (3) FRAME 100A (3) SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-63	9			–			SPARE	20/1	2
3	20/1	LTS-18,14		10			8		RECPTS-13,11,9,7	20/1	4
5	20/1	LTS-13,12,11,9,7			9			6	EWC	20/1	6
7	20/1	LTS-5,3	14			6			EWC	20/1	8
9	20/1	LTS-1		6			8		RECPTS-7,5	20/1	10
11	20/1	LTS-69			8			7	RECPTS-3,62	20/1	12
13	20/1	SPARE	–			9			RECPTS-3,1,66	20/1	14
15	20/1	LTS-4,6		14			6		RECPTS-1	20/1	16
17	20/1	LTS-61			10			6	RECPTS-61	20/1	18
19	20/1	LTS-8	12			10			COPIER	20/1	20
21	20/1	LTS-10		8			9		RECPTS-4,2	20/1	22
23	20/1	LTS-60,67			6			9	RECPTS-8,6	20/1	24
25	20/1	LTS-ATTIC	6			8			RECPTS-8,10	20/1	26
27	20/1	ATTIC FAN		6			7		RECPTS-10,60	20/1	28
29	20/1	LTS-62			8			7	RECPTS-67,60	20/1	30
31	–	BLANK	–			6			RECPTS-61	20/1	32
33	–	BLANK		–			9		RECPTS-61	20/1	34
35	–	BLANK			–			4	LTS-61	20/1	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			41	44	41	39	47	39			

TOTAL PANEL LOAD: Aφ 80A Bφ 91A Cφ 80A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-PT (NORMAL) — PHYSICAL THERAPY

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-16	12			6			REFRIG-16	20/1	2
3	20/1	LTS-16		5			2		RANGE HOOD-16	20/1	4
5	20/1	RECPTS-16			4			36	RANGE	50/2	6
7	20/1	RECPTS-16	6			36					8
9	20/1	RECPTS-16		6			–		SHUNT	–	10
11	20/1	RECPTS-19			8			4	RECPTS-16	20/1	12
13	20/1	SPARE	–			6			BEAUTY SALON	20/1	14
15	20/1	RECPTS-18,14		8			6		HAIR DRYER	20/1	16
17	20/1	SPARE			–			6	BEAUTY SALON	20/1	18
19	20/1	SPARE	–			6			BEAUTY SALON	20/1	20
21	20/1	DISHWASHER-16		10			6		BEAUTY SALON	20/1	22
23	–	BLANK			–			6	HAIR DRYER	20/1	24
25	–	BLANK	–			–			SPARE	20/1	26
27	–	BLANK		–			3		ATTIC FAN	20/1	28
29	–	BLANK			–			–	BLANK	–	30
31	40/3	HP-3 ODU	24			–			BLANK	–	32
33				24			–		BLANK	–	34
35					24			–	BLANK	–	36
37	60/3	HP-3 IDU	45			–			BLANK	–	38
39				45			–		BLANK	–	40
41					45			–	BLANK	–	42
SUBTOTAL			87	98	81	54	17	52			

TOTAL PANEL LOAD: Aφ 141A Bφ 115A Cφ 133A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-AA (NORMAL) — ADMIN. AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 600A MLO FRAME 600A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3 (3)	PANEL-A	80			141			PANEL-PT	225/3	2
3				91			125				4
5					80			133			6
7	40/3	HP-1 ODU	24			25			HP-8 IDU	30/2	8
9				24			25				10
11					24			16	HP-8 ODU	20/2	12
13	50/3	HP-1 IDU	35			16					14
15				35			29		HP-7 IDU	40/2	16
17					35			29			18
19	50/3	HP-2 IDU	35			–			BLANK	–	20
21				35			–		BLANK	–	22
23					35			–	BLANK	–	24
25	30/3	HP-2 ODU	24			–			BLANK	–	26
27				24			–		BLANK	–	28
29					24			–	BLANK	–	30
31	–	BLANK	–			–			BLANK	–	32
33	–	BLANK		–			–		BLANK	–	34
35	–	BLANK			–			–	BLANK	–	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			198	209	198	182	179	178			

TOTAL PANEL LOAD: Aφ 380A Bφ 388A Cφ 376A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-B (NORMAL) — 100 & 200 WINGS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 150A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-59,41,42	4			6			RECPTS-55A,55	20/1	2
3	20/1	LTS-221	(2)	11			9		RECPTS-102,104	20/1	4
5	20/1	LTS-56,55,54			10			3	RECPTS-102	20/1*	6
7	20/1	LTS-102,104	13			3			RECPTS-104	20/1*	8
9	20/1	LTS-106,108		11			9		RECPTS-106,108	20/1	10
11	20/1	LTS-110,112			13			3	RECPTS-108	20/1*	12
13	20/1	LTS-109,111	13			3			RECPTS-106	20/1*	14
15	20/1	LTS-105,107		11			3		RECPTS-110	20/1*	16
17	20/1	LTS-101,103			13			9	RECPTS-110,112	20/1	18
19	20/1	LTS-202,204	13			3			RECPTS-112	20/1*	20
21	20/1	LTS-201,203		13			3		RECPTS-111	20/1*	22
23	20/1	LTS-125			10			3	RECPTS-109	20/1*	24
25	20/1	LTS-ATTIC	6			9			RECPTS-109,111	20/1	26
27	20/1	SPARE		–			3		RECPTS-107	20/1*	28
29	20/1	LTS-58,54			6			3	RECPTS-105	20/1*	30
31	–	BLANK	–			9			RECPTS-105,107	20/1	32
33	–	BLANK		–			3		RECPTS-103	20/1*	34
35	20/1	ATTIC FAN			6			9	RECPTS-101,103	20/1	36
37	–	BLANK	–			3			RECPTS-101	20/1*	38
39	–	BLANK		–			8		FANS-6 & 7	20/1	40
41	–	BLANK			–			8	RECPTS-59,58,57	20/1	42
SUBTOTAL			49	46	58	36	38	38			

TOTAL PANEL LOAD: Aφ 85A Bφ 84A Cφ 96A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-BB (NORMAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 400A MLO (2) FRAME 400A (2) SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1 (3)	100/3	PANEL-B	85			45			HP-9 IDU	60/3	2
3				84			45				4
5					96			45			6
7	20/1	RECPTS-202	6			24			HP-9 ODU	40/3	8
9	20/1*	RECPT-202		3			24				10
11	20/1*	RECPT-204			3			24			12
13	20/1	RECPTS-224,203	7			–			BLANK	–	14
15	20/1*	RECPT-203		3			–		BLANK	–	16
17	20/1*	RECPT-201			3			–	BLANK	–	18
19	20/1	RECPTS-201,203	9			–			BLANK	–	20
21	20/1	T.V. BOARD		6			–		BLANK	–	22
23	20/1	RECPTS-40,42			7			–	BLANK	–	24
25	20/1	SPARE	–			–			BLANK	–	26
27	20/1	RECPTS-204		6			–		BLANK	–	28
29	20/1	RECPTS-54,55			6			–	BLANK	–	30
31	–	BLANK	–			–			BLANK	–	32
33	–	BLANK		–			–		BLANK	–	34
35	–	BLANK			–			–	BLANK	–	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			107	102	115	69	69	69			

TOTAL PANEL LOAD: Aφ 176A Bφ 171A Cφ 184A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-C (NORMAL) — 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-53,47A	9			9			RECPTS-206,208	20/1	2
3	20/1	LTS-206,208		13			3		RECPTS-206	20/1*	4
5	20/1	LTS-209,210			13			3	RECPTS-208	20/1*	6
7	20/1	LTS-221	10			3			RECPTS-209	20/1*	8
9	20/1	LTS-205,207		13			3		RECPTS-210	20/1*	10
11	20/1	LTS-50,49			5			9	RECPTS-209,210	20/1	12
13	20/1	LTS-46,45,44	7			–			SPARE	20/1	14
15	20/1	LTS-52		8			3		RECPTS-205	20/1*	16
17	20/1	SPARE			–			3	RECPTS-207	20/1*	18
19	20/1	LTS-ATTIC	4			4			FAN-8	20/1	20
21	20/1	LTS-COURTYARD		6			8		RECPTS-50,49,48	20/1	22
23	20/1	ATTIC FAN			6			7	RECPTS-52	20/1	24
25	–	BLANK	–			–			SPARE	20/1	26
27	–	BLANK		–			9		RECPTS-205,207	20/1	28
29	–	BLANK			–			10	ER-3	20/1	30
31	–	BLANK	–			6			RECPTS-44,45	20/1	32
33	–	BLANK		–			–		BLANK	–	34
35	–	BLANK			–			–	BLANK	–	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			30	40	24	22	26	32			

TOTAL PANEL LOAD: Aφ 52A Bφ 66A Cφ 56A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-CC (NORMAL) — 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	100/3	PANEL-C	52			10			DH-1	20/2	2
3				66			10				4
5					56			18	WHIRLPOOL	30/1*	6
7	50/3	HP-12 IDU	33			33			HP-11 IDU	50/3	8
9				33			33				10
11					33			33			12
13	25/3	HP-12 ODU	17			17			HP-11 ODU	25/3	14
15				17			17				16
17					17			17			18
19	–	BLANK	–			–			BLANK	–	20
21	–	BLANK		–			–		BLANK	–	22
23	–	BLANK			–			–	BLANK	–	24
25	–	BLANK	–			–			BLANK	–	26
27	–	BLANK		–			–		BLANK	–	28
29	–	BLANK			–			–	BLANK	–	30
31											32
33											34
35											36
37											38
39											40
41											42
SUBTOTAL			102	116	106	60	60	68			

TOTAL PANEL LOAD: Aφ 162A Bφ 176A Cφ 174A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-D (NORMAL) — 300 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO (3) FRAME 100A (3) SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-301,303	13			9			RECPTS-301,303	20/1	2
3	20/1	LTS-305,307		13			3		RECPT-303	20/1*	4
5	20/1	LTS-36,37			2			3	RECPT-301	20/1*	6
7	20/1	LTS-309,311	13			3			RECPT-305	20/1*	8
9	20/1	LTS-313,315		13			3		RECPT-307	20/1*	10
11	20/1	LTS-312,314			13			9	RECPTS-305,307	20/1	12
13	20/1	LTS-310,308	13			9			RECPTS-65,36,37	20/1	14
15	20/1	LTS-304,306		13			9		RECPTS-311,309	20/1	16
17	20/1	LTS-302,38A			7			3	RECPT-309	20/1*	18
19	20/1	LTS-38,39	6			3			RECPT-311	20/1*	20
21	20/1	LTS-331		14			11		RECPTS-313,315	20/1	22
23	20/1	LTS-ATTIC			6			3	RECPT-313	20/1*	24
25	20/1	SPARE	–			3			RECPT-315	20/1*	26
27	20/1	SPARE		–			3		RECPT-314	20/1*	28
29	20/1	LTS-65			6			3	RECPT-312	20/1*	30
31	–	BLANK	–			9			RECPTS-314,312	20/1	32
33	–	BLANK		–			3		RECPT-310	20/1*	34
35	–	BLANK			–			8	FANS-4 & 5	20/1	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			45	53	34	36	32	29			

TOTAL PANEL LOAD: Aφ 81A Bφ 85A Cφ 63A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-DD (NORMAL) — 300 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO (3) FRAME 225A (3) SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3	PANEL-D	81			10			DH-1	20/2	2
3				85			10				4
5					63			18	WHIRLPOOL	30/1*	6
7	20/1*	RECPT-308	3			22			HP-10 ODU	40/3	8
9	20/1	RECPTS-308,310		9			22				10
11	20/1*	RECPT-306			3			22			12
13	20/1*	RECPT-304	3			45			HP-10 IDU	60/3	14
15	20/1*	RECPT-302		3			45				16
17	20/1	RECPTS-304,306			9			45			18
19	20/1	RECPTS-302,38	7			–			BLANK	–	20
21	20/1	ER-2		10			–		BLANK	–	22
23	20/2	HP-7 ODU			16			–	BLANK	–	24
25			16			–			BLANK	–	26
27	20/1	RECPTS-302		7			–		BLANK	–	28
29	20/1	ATTIC FANS			6			–	BLANK	–	30
31	20/1	SPARE	–			–			BLANK	–	32
33	–	BLANK		–			–		BLANK	–	34
35	–	BLANK			–			–	BLANK	–	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			110	114	97	77	77	85			

TOTAL PANEL LOAD: Aφ 187A Bφ 191A Cφ 182A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-F (NORMAL) — SERVICE AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-20	9			4			RECPTS-29	20/1	2
3	20/1	LTS-20		6			10		ER-1	20/1	4
5	20/1	LTS-21			10			11	RECPTS-33,34,35	20/1	6
7	20/1	LTS-22,23,24,26	10			10			IRONER-35	20/1	8
9	20/1	LTS-64,35,34		10			6		REFRIG-129	20/1	10
11	20/1	LTS-29,28			10			6	VENDING-129	20/1	12
13	20/1	LTS-EXTERIOR	8			6			VENDING-129	20/1	14
15	20/1	LTS-32,33,27		10			4		FAN-2	20/1	16
17	20/1	LTS-ATTIC			6			9	RECPTS-27,28,29	20/1	18
19	20/1	DRYER	10			2			TIME CLOCK	20/1	20
21	20/1	LTS-COURTYARD		6			6		FLY FAN (50)	20/1	22
23	20/1	ATTIC FAN			6			9	RECPTS-30,31	20/1	24
25	–	BLANK	–			6			T.V. BOARD	20/1	26
27	–	BLANK		–			6		FAN-1,T'STAT	20/1	28
29	–	BLANK			–			10	BH-1	20/2	30
31	–	BLANK	–			10					32
33	–	BLANK		–			10		DRYER	20/1	34
35	–	BLANK			–			10	DRYER	20/1	36
37	60/3	HP-6 IDU	45			22			HP-6 ODU	35/3	38
39				45			22				40
41					45			22			42
SUBTOTAL			82	77	77	60	64	77			

TOTAL PANEL LOAD: Aφ 142A Bφ 141A Cφ 154A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-W (NORMAL) — LAUNDRY

TYPE LOADCENTER MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	30/3	WASHER	22			22			WASHER	30/3	2
3				22			22				4
5					22			22			6
7	30/3	WASHER	22			–			S/O	–/3	8
9				22			–				10
11					22			–			12
13	–	BLANK	–			–			BLANK	–	14
15	–	BLANK		–			–		BLANK	–	16
17	–	BLANK			–			–	BLANK	–	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
SUBTOTAL			44	44	44	22	22	22			

TOTAL PANEL LOAD: Aφ 66A Bφ 66A Cφ 66A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-K (NORMAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	ICE MAKER (1)	16			6			RECPTS	20/1	2
3	20/1	SPARE		–			18		TOASTER (28)	30/2	4
5	20/1	SPARE			–			18			6
7	20/1	RECPTS	6			17			CHEF'S TABLE (27)	30/2	8
9	30/2	COFFEE		18			17				10
11					18			6	MIXER (23)	20/1	12
13	20/1	BEVERAGE COUNTER	6			8			FOOD BLENDER (9)	20/1	14
15	20/1	PLATE DISPENSER (26)		6			6		GEN. RECPT.	20/1	16
17	20/1	FOOD PROCESSOR (10)			8			6	RECPTS-OFFICE	20/1	18
19	20/1	HOOD LTS (12)	6			9			RECPTS-20	20/1	20
21	20/1	DISHWASHER HOOD (37)		6			9		RECPTS-20	20/1	22
23	20/1	FOOD SLICER (32)			10			4	FAN-3	20/1	24
25	20/1	CONVECTION OVEN (17)	12			–			BLANK	–	26
27		(SHUNT TRIP)		–			–		BLANK	–	28
29	20/1	CONVECTION OVEN (17)			12			–	BLANK	–	30
31		(SHUNT TRIP)	–			–			BLANK	–	32
33	–	BLANK		–			–		BLANK	–	34
35	–	BLANK			–			–	BLANK	–	36
37	–	BLANK	–			–			BLANK	–	38
39	–	BLANK		–			–		BLANK	–	40
41	–	BLANK			–			–	BLANK	–	42
SUBTOTAL			46	30	48	40	50	34			

TOTAL PANEL LOAD: Aφ 86A Bφ 80A Cφ 82A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

PANEL-KS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 400A MLO FRAME 400A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	15/3*	EXHAUST FAN (14)	4			25			BOOSTER HEATER (22)	40/3	2
3				4			25				4
5					4			25			6
7	40/3*	STEAMER (19)	25			5			DISPOSAL (35)	15/3	8
9				25			5				10
11					25			5			12
13	15/3	MAKE-UP AIR (15)	4			4			DISHWASHER (36)	15/3	14
15				4			4				16
17					4			4			18
19	15/3	DISPOSAL (35)	5			–			BLANK	–	20
21				5			–		BLANK	–	22
23					5			–	BLANK	–	24
25	100/3	PANEL-K	86			–			BLANK	–	26
27				80			–		BLANK	–	28
29					82			–	BLANK	–	30
31	60/3	HP-4 IDU	36			45			HP-5B IDU	60/3	32
33				36			45				34
35					36			45			36
37	100/3	HP-5A, 5B & 4 ODU	72			45			HP-5A IDU	60/3	38
39				72			45				40
41					72			45			42
SUBTOTAL			232	226	228	124	124	124			

TOTAL PANEL LOAD: Aφ 356A Bφ 350A Cφ 352A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

NORTH CAROLINA PROFESSIONAL SEAL 022465 ENGINEER EDGAR P. HAYES

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

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REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01
3	ELECTRICAL CHANGES	07-25-01

PANEL SCHEDULES

SHEET NO. E12 OF 14

PANEL-A (NORMAL) — ADMIN. AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 150A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-63	9			-			SPARE	20/1	2
3	20/1	LTS-18,14		10			8		RECPTS-13,11,9,7	20/1	4
5	20/1	LTS-13,12,11,9,7			9			6	EWC	20/1	6
7	20/1	LTS-5,3	14			6			EWC	20/1	8
9	20/1	LTS-1		6			8		RECPTS-7,5	20/1	10
11	20/1	LTS-69			8			7	RECPTS-3,62	20/1	12
13	20/1	SPARE	-			9			RECPTS-3,1,66	20/1	14
15	20/1	LTS-4,6		14			6		RECPTS-1	20/1	16
17	20/1	LTS-61			10			6	RECPTS-61	20/1	18
19	20/1	LTS-8	12			10			COPIER	20/1	20
21	20/1	LTS-10		8			9		RECPTS-4,2	20/1	22
23	20/1	LTS-60,67			6			9	RECPTS-8,6	20/1	24
25	20/1	LTS-ATTIC	6			8			RECPTS-8,10	20/1	26
27	20/1	ATTIC FAN		6			7		RECPTS-10,60	20/1	28
29	20/1	LTS-62			8			7	RECPTS-67,60	20/1	30
31	-	BLANK	-			6			RECPTS-61	20/1	32
33	-	BLANK		-			9		RECPTS-61	20/1	34
35	-	BLANK			-			4	LTS-61	20/1	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK			-			-	BLANK	-	42
SUBTOTAL			41	44	41	39	47	39			

TOTAL PANEL LOAD: A∅ 80A B∅ 91A C∅ 80A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-PT (NORMAL) — PHYSICAL THERAPY

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-16	12			6			REFRIG-16	20/1	2
3	20/1	LTS-16		5			2		RANGE HOOD-16	20/1	4
5	20/1	RECPTS-16			4			36	RANGE	50/2	6
7	20/1	RECPTS-16	6			36					8
9	20/1	RECPTS-16		6			-		SHUNT	-	10
11	20/1	RECPTS-19			8			4	RECPTS-16	20/1	12
13	20/1	SPARE	-			6			BEAUTY SALON	20/1	14
15	20/1	RECPTS-18,14		8			6		HAIR DRYER	20/1	16
17	20/1	SPARE			-			6	BEAUTY SALON	20/1	18
19	20/1	SPARE	-			6			BEAUTY SALON	20/1	20
21	20/1	DISHWASHER-16		10			6		BEAUTY SALON	20/1	22
23	-	BLANK			-			6	HAIR DRYER	20/1	24
25	-	BLANK	-			-			SPARE	20/1	26
27	-	BLANK		-			3		ATTIC FAN	20/1	28
29	-	BLANK			-			-	BLANK	-	30
31	40/3	HP-3 ODU	24			-			BLANK	-	32
33				24			-		BLANK	-	34
35					24			-	BLANK	-	36
37	60/3	HP-3 IDU	45			-			BLANK	-	38
39				45			-		BLANK	-	40
41					45			-	BLANK	-	42
SUBTOTAL			87	98	81	54	17	52			

TOTAL PANEL LOAD: A∅ 141A B∅ 115A C∅ 133A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-AA (NORMAL) — ADMIN. AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 600A MLO FRAME 600A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3	PANEL-A	80			141			PANEL-PT	225/3	2
3				91			125				4
5					80			133			6
7	40/3	HP-1 ODU	24			25			HP-8 IDU	30/2	8
9				24			25				10
11					24			16	HP-8 ODU	20/2	12
13	50/3	HP-1 IDU	35			16					14
15				35			29		HP-7 IDU	40/2	16
17					35			29			18
19	50/3	HP-2 IDU	35			-			BLANK	-	20
21				35			-		BLANK	-	22
23					35			-	BLANK	-	24
25	30/3	HP-2 ODU	24			-			BLANK	-	26
27				24			-		BLANK	-	28
29					24			-	BLANK	-	30
31	-	BLANK	-			-			BLANK	-	32
33	-	BLANK		-			-		BLANK	-	34
35	-	BLANK			-			-	BLANK	-	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK			-			-	BLANK	-	42
SUBTOTAL			198	209	198	182	179	178			

TOTAL PANEL LOAD: A∅ 380A B∅ 388A C∅ 376A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-B (NORMAL) — 100 & 200 WINGS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 150A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-59,41,42	4			6			RECPTS-55A,55	20/1	2
3	20/1	LTS-221		11			9		RECPTS-102,104	20/1	4
5	20/1	LTS-56,55,54			10			3	RECPTS-102	20/1*	6
7	20/1	LTS-102,104	13			3			RECPTS-104	20/1*	8
9	20/1	LTS-106,108		11			9		RECPTS-106,108	20/1	10
11	20/1	LTS-110,112			13			3	RECPTS-108	20/1*	12
13	20/1	LTS-109,111	13			3			RECPTS-106	20/1*	14
15	20/1	LTS-105,107		11			3		RECPTS-110	20/1*	16
17	20/1	LTS-101,103			13			9	RECPTS-110,112	20/1	18
19	20/1	LTS-202,204	13			3			RECPTS-112	20/1*	20
21	20/1	LTS-201,203		13			3		RECPTS-111	20/1*	22
23	20/1	LTS-125			10			3	RECPTS-109	20/1*	24
25	20/1	LTS-ATTIC	6			9			RECPTS-109,111	20/1	26
27	20/1	SPARE		-			3		RECPTS-107	20/1*	28
29	20/1	LTS-58,54			6			3	RECPTS-105	20/1*	30
31	-	BLANK	-			9			RECPTS-105,107	20/1	32
33	-	BLANK		-			3		RECPTS-103	20/1*	34
35	20/1	ATTIC FAN			6			9	RECPTS-101,103	20/1	36
37	-	BLANK	-			3			RECPTS-101	20/1*	38
39	-	BLANK		-			8		FANS-6 & 7	20/1	40
41	-	BLANK			-			8	RECPTS-59,58,57	20/1	42
SUBTOTAL			49	46	58	36	38	38			

TOTAL PANEL LOAD: A∅ 85A B∅ 84A C∅ 96A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-BB (NORMAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3	PANEL-B	85			45			HP-9 IDU	60/3	2
3				84			45				4
5					96			45			6
7	20/1	RECPTS-202	6			24			HP-9 ODU	40/3	8
9	20/1*	RECPT-202		3			24				10
11	20/1*	RECPT-204			3			24			12
13	20/1	RECPTS-224,203	7			-			BLANK	-	14
15	20/1*	RECPT-203		3			-		BLANK	-	16
17	20/1*	RECPT-201			3			-	BLANK	-	18
19	20/1	RECPTS-201,203	9			-			BLANK	-	20
21	20/1	T.V. BOARD		6			-		BLANK	-	22
23	20/1	RECPTS-40,42			7			-	BLANK	-	24
25	20/1	SPARE	-			-			BLANK	-	26
27	20/1	RECPTS-204		6			-		BLANK	-	28
29	20/1	RECPTS-54,55			6			-	BLANK	-	30
31	-	BLANK	-			-			BLANK	-	32
33	-	BLANK		-			-		BLANK	-	34
35	-	BLANK			-			-	BLANK	-	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK							BLANK	-	42
SUBTOTAL			107	102	115	69	69	69			

TOTAL PANEL LOAD: A∅ 176A B∅ 171A C∅ 184A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-C (NORMAL) — 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-53,47A	9			9			RECPTS-206,208	20/1	2
3	20/1	LTS-206,208		13			3		RECPTS-206	20/1*	4
5	20/1	LTS-209,210			13			3	RECPTS-208	20/1*	6
7	20/1	LTS-221	10			3			RECPTS-209	20/1*	8
9	20/1	LTS-205,207		13			3		RECPTS-210	20/1*	10
11	20/1	LTS-50,49			5			9	RECPTS-209,210	20/1	12
13	20/1	LTS-46,45,44	7			-			SPARE	20/1	14
15	20/1	LTS-52		8			3		RECPTS-205	20/1*	16
17	20/1	SPARE			-			3	RECPTS-207	20/1*	18
19	20/1	LTS-ATTIC	4			4			FAN-8	20/1	20
21	20/1	LTS-COURTYARD		6			8		RECPTS-50,49,48	20/1	22
23	20/1	ATTIC FAN			6			7	RECPTS-52	20/1	24
25	-	BLANK	-			-			SPARE	20/1	26
27	-	BLANK		-			9		RECPTS-205,207	20/1	28
29	-	BLANK			-			10	ER-3	20/1	30
31	-	BLANK	-			6			RECPTS-44,45	20/1	32
33	-	BLANK		-			-		BLANK	-	34
35	-	BLANK			-			-	BLANK	-	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK			-			-	BLANK	-	42
SUBTOTAL			30	40	24	22	26	32			

TOTAL PANEL LOAD: A∅ 52A B∅ 56A C∅ 56A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-CC (NORMAL) — 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	100/3	PANEL-C	52			10			DH-1	20/2	2
3				66			10				4
5					56			18	WHIRLPOOL	30/1*	6
7	50/3	HP-12 IDU	33			33			HP-11 IDU	50/3	8
9				33			33				10
11					33			33			12
13	25/3	HP-12 ODU	17			17			HP-11 ODU	25/3	14
15				17			17				16
17					17			17			18
19	-	BLANK	-			-			BLANK	-	20
21	-	BLANK		-			-		BLANK	-	22
23	-	BLANK			-			-	BLANK	-	24
25	-	BLANK	-			-			BLANK	-	26
27	-	BLANK		-			-		BLANK	-	28
29	-	BLANK			-			-	BLANK	-	30
31											32
33											34
35											36
37											38
39											40
41											42
SUBTOTAL			102	116	106	60	60	68			

TOTAL PANEL LOAD: A∅ 162A B∅ 176A C∅ 174A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-D (NORMAL) — 300 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 150A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-301,303	13			9			RECPTS-301,303	20/1	2
3	20/1	LTS-305,307		13			3		RECPT-303	20/1*	4
5	20/1	LTS-36,37			2			3	RECPT-301	20/1*	6
7	20/1	LTS-309,311	13			3			RECPT-305	20/1*	8
9	20/1	LTS-313,315		13			3		RECPT-307	20/1*	10
11	20/1	LTS-312,314			13			9	RECPTS-305,307	20/1	12
13	20/1	LTS-310,308	13			9			RECPTS-65,36,37	20/1	14
15	20/1	LTS-304,306		13			9		RECPTS-311,309	20/1	16
17	20/1	LTS-302,38A			7			3	RECPT-309	20/1*	18
19	20/1	LTS-38,39	6			3			RECPT-311	20/1*	20
21	20/1	LTS-331		14			11		RECPTS-313,315	20/1	22
23	20/1	LTS-ATTIC			6			3	RECPT-313	20/1*	24
25	20/1	SPARE	-			3			RECPT-315	20/1*	26
27	20/1	SPARE		-			3		RECPT-314	20/1*	28
29	20/1	LTS-65			6			3	RECPT-312	20/1*	30
31	-	BLANK	-			9			RECPTS-314,312	20/1	32
33	-	BLANK		-			3		RECPT-310	20/1*	34
35	-	BLANK			-			8	FANS-4 & 5	20/1	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK			-			-	BLANK	-	42
SUBTOTAL			45	53	34	36	32	29			

TOTAL PANEL LOAD: A∅ 81A B∅ 85A C∅ 63A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-DD (NORMAL) — 300 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 400A MLO FRAME 400A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3	PANEL-D	81			10			DH-1	20/2	2
3				85			10				4
5					63			18	WHIRLPOOL	30/1*	6
7	20/1*	RECPT-308	3			22			HP-10 ODU	40/3	8
9	20/1	RECPTS-308,310		9			22				10
11	20/1*	RECPT-306			3			22			12
13	20/1*	RECPT-304	3			45			HP-10 IDU	60/3	14
15	20/1*	RECPT-302		3			45				16
17	20/1	RECPTS-304,306			9			45			18
19	20/1	RECPTS-302,38	7			-			BLANK	-	20
21	20/1	ER-2		10			-		BLANK	-	22
23	20/2	HP-7 ODU			16			-	BLANK	-	24
25			16			-			BLANK	-	26
27	20/1	RECPTS-302		7			-		BLANK	-	28
29	20/1	ATTIC FANS			6			-	BLANK	-	30
31	20/1	SPARE	-			-			BLANK	-	32
33	-	BLANK		-			-		BLANK	-	34
35	-	BLANK			-			-	BLANK	-	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK							BLANK	-	42
SUBTOTAL			110	114	97	77	77	85			

TOTAL PANEL LOAD: A∅ 187A B∅ 191A C∅ 182A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * GFI PER NEC.

PANEL-F (NORMAL) — SERVICE AREA

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-20	9			4			RECPTS-29	20/1	2
3	20/1	LTS-20		6			10		ER-1	20/1	4
5	20/1	LTS-21			10			11	RECPTS-33,34,35	20/1	6
7	20/1	LTS-22,23,24,26	10			10			IRONER-35	20/1	8
9	20/1	LTS-64,35,34		10			6		REFRIG-129	20/1	10
11	20/1	LTS-29,28			10			6	VENDING-129	20/1	12
13	20/1	LTS-EXTERIOR	8			6			VENDING-129	20/1	14
15	20/1	LTS-32,33,27		10			4		FAN-2	20/1	16
17	20/1	LTS-ATTIC			6			9	RECPTS-27,28,29	20/1	18
19	20/1	DRYER	10			2			TIME CLOCK	20/1	20
21	20/1	LTS-COURTYARD		6			6		FLY FAN (50)	20/1	22
23	20/1	ATTIC FAN			6			9	RECPTS-30,31	20/1	24
25	-	BLANK	-			6			T.V. BOARD	20/1	26
27	-	BLANK		-			6		FAN-1,T'STAT	20/1	28
29	-	BLANK			-			10	BH-1	20/2	30
31	-	BLANK	-			10					32
33	-	BLANK		-			10		DRYER	20/1	34
35	-	BLANK			-			10	DRYER	20/1	36
37	60/3	HP-6 IDU	45			22			HP-6 ODU	35/3	38
39				45			22				40
41					45			22			42
SUBTOTAL			82	77	77	60	64	77			

TOTAL PANEL LOAD: A∅ 142A B∅ 141A C∅ 154A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-W (NORMAL) — LAUNDRY

TYPE LOADCENTER MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	30/3	WASHER	22			22			WASHER	30/3	2
3				22			22				4
5					22			22			6
7	30/3	WASHER	22			-			S/O	-/3	8
9				22			-				10
11					22			-			12
13	-	BLANK	-			-			BLANK	-	14
15	-	BLANK		-			-		BLANK	-	16
17	-	BLANK			-			-	BLANK	-	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
SUBTOTAL			44	44	44	22	22	22			

TOTAL PANEL LOAD: A∅ 66A B∅ 66A C∅ 66A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES:

PANEL-K (NORMAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	ICE MAKER (1)	16			6			RECPTS	20/1	2
3	20/1	SPARE		-			18		TOASTER (28)	30/2	4
5	20/1	SPARE			-			18			6
7	20/1	RECPTS	6			17			CHEF'S TABLE (27)	30/2	8
9	30/2	COFFEE		18			17				10
11					18			6	MIXER (23)	20/1	12
13	20/1	BEVERAGE COUNTER	6			8			FOOD BLENDER (9)	20/1	14
15	20/1	PLATE DISPENSER (26)		6			6		GEN. RECPT.	20/1	16
17	20/1	FOOD PROCESSOR (10)			8			6	RECPTS-OFFICE	20/1	18
19	20/1	HOOD LTS (12)	6			9			RECPTS-20	20/1	20
21	20/1	DISHWASHER HOOD (37)		6			9		RECPTS-20	20/1	22
23	20/1	FOOD SLICER (32)			10			4	FAN-3	20/1	24
25	20/1	CONVECTION OVEN (17)	12			-			BLANK	-	26
27		(SHUNT TRIP)		-			-		BLANK	-	28
29	20/1	CONVECTION OVEN (17)			12			-	BLANK	-	30
31		(SHUNT TRIP)	-			-			BLANK	-	32
33	-	BLANK		-			-		BLANK	-	34
35	-	BLANK			-			-	BLANK	-	36
37	-	BLANK	-			-			BLANK	-	38
39	-	BLANK		-			-		BLANK	-	40
41	-	BLANK			-			-	BLANK	-	42
SUBTOTAL			46	30	48	40	50	34			

TOTAL PANEL LOAD: A∅ 86A B∅ 80A C∅ 82A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

PANEL-KS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 400A MLO FRAME 400A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE LOADING A	B	C	LOADING PHASE A	B	C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	15/3*	EXHAUST FAN (14)	4			25			BOOSTER HEATER (22)	40/3	2
3				4			25				4
5					4			25			6
7	40/3*	STEAMER (19)	25			5			DISPOSAL (35)	15/3	8
9				25			5				10
11					25			5			12
13	15/3	MAKE-UP AIR (15)	4			4			DISHWASHER (36)	15/3	14
15				4			4				16
17					4			4			18
19	15/3	DISPOSAL (35)	5			-			BLANK	-	20
21				5			-		BLANK	-	22
23					5			-	BLANK	-	24
25	100/3	PANEL-K	86			-			BLANK	-	26
27				80			-		BLANK	-	28
29					82			-	BLANK	-	30
31	60/3	HP-4 IDU	36			45			HP-5B IDU	60/3	32
33				36			45				34
35					36			45			36
37	100/3	HP-5A, 5B & 4 ODU	72			45			HP-5A IDU	60/3	38
39				72			45				40
41					72			45			42
SUBTOTAL			232	226	228	124	124	124			

TOTAL PANEL LOAD: A∅ 356A B∅ 350A C∅ 352A
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]
NOTES: * SHUNT TRIP BREAKERS, CONNECT TO ANSUL SYSTEM.
NOTE 1: USE HACR BREAKER.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022466 EDGAR P. HAYES 1/29/01

CABARRUS COUNTY NURSING FACILITY
CABARRUS, NORTH CAROLINA

AMERICAN DESIGN TECHNOLOGIES
DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILMINGTON, NC 28405
PHONE: (910) 799-1484
FAX: (910) 799-3382

REV #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
1	DFS COMMENTS	11-06-00
2	ARCHITECTURAL CHANGES	01-26-01

PANEL SCHEDULES

H:\DWGFILE\Cabrus-01301\01301E12.dwg Mon Jan 29 09:55:31 2001

PANEL-EM (LIFE SAFETY)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-62	6			6			FACP	20/1	2
3	20/1	LTS-62		6			6		FACP POWER SUPPLY	20/1	4
5	20/1	LTS-221,125			9			2	LT @ GENERATOR	20/1	6
7	20/1	LTS-221,125 ⚠	9			6			FACP POWER SUPPLY	20/1	8
9	20/1	LTS-223,222		9			2		GENERATOR RECPT	20/1	10
11	20/1	LTS-223,222			9			--	SPARE	20/1	12
13	20/1	LTS-65,331 ⚠	9			6			TELEPHONE BOARD	20/1	14
15	20/1	LTS-65,331		9			6		TELEPHONE BOARD	20/1	16
17	20/1	LTS-20,21,64			8			6	ANSUL SYSTEM	20/1	18
19	20/1	LTS-20,21,64	6			--			BLANK	--	20
21	20/1	LTS-63,16,60,61		8			--		BLANK	--	22
23	20/1	LTS-63,16,60,61			8			--	BLANK	--	24
25	20/1	SPARE	--			--			BLANK	--	26
27	20/1	SPARE		--			--		BLANK	--	28
29	--	BLANK			--			--	BLANK	--	30
31	--	BLANK	--			--			BLANK	--	32
33	--	BLANK		--			--		BLANK	--	34
35	--	BLANK			--			--	BLANK	--	36
37	--	BLANK	--			--			BLANK	--	38
39	--	BLANK		--			--		BLANK	--	40
41	--	BLANK			--			--	BLANK	--	42
SUBTOTAL			32	32	34	18	14	8			

TOTAL PANEL LOAD: A# 50A B# 46A C# 42A

NOTES: # GFI PER NEC. ⚠

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-ECA (AUTO-DELAYED CRITICAL) 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 150A MLO FRAME 150A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-16	4			6			REFRIG-58	20/1	2
3	20/1	LTS-57,41,58		10			4		RECPTS-58	20/1	4
5	20/1	LTS-43,41,40 ⚠			12			6	PAGING/AMP	20/1	6
7	20/1	SPARE	--			6			RECPT-202(BED)	20/1	8
9	20/1	RECPTS-43		6			6		RECPTS-202,204	20/1	10
11	20/1	RECPTS-43			6			6	RECPT-202(BED)	20/1	12
13	20/1	NURSE CALL	6			6			RECPT-204(BED)	20/1	14
15	20/1	DOOR SECURITY		6			6		RECPT-204(BED)	20/1	16
17	20/1	ICE MACHINE			6			6	RECPTS-203,201	20/1	18
19	20/1	COMPUTER EQUIPMENT	6			6			RECPT-203(BED)	20/1	20
21	20/1	RECPTS-2		6			6		RECPT-203(BED)	20/1	22
23	20/1	RECPTS-6			6			6	RECPT-201(BED)	20/1	24
25	--	BLANK	--			6			RECPT-201(BED)	20/1	26
27	--	BLANK		--			6		REFRIG-41	20/1	28
29	--	BLANK			--			6	RECPTS-41	20/1	30
31	--	BLANK	--			--			BLANK	--	32
33	--	BLANK		--			--		BLANK	--	34
35	--	BLANK			--			--	BLANK	--	36
37	--	BLANK	--			54			PANEL-ECA1	100/3	38
39	--	BLANK		--			48				40
41	--	BLANK			--			54			42
SUBTOTAL			16	28	30	84	76	84			

TOTAL PANEL LOAD: A# 100A B# 104A C# 114A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-ECA1 (AUTO-DELAYED CRITICAL) 100 & 200 WINGS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	RECPT-102(BED)	6			6			RECPT-111(BED)	20/1	2
3	20/1	RECPTS-102,101		6			6		RECPT-111(BED)	20/1	4
5	20/1	RECPT-102(BED)			6			6	RECPT-109(BED)	20/1	6
7	20/1	RECPT-104(BED)	6			6			RECPT-109(BED)	20/1	8
9	20/1	RECPTS-104,106		6			6		RECPT-107(BED)	20/1	10
11	20/1	RECPT-104(BED)			6			6	RECPTS-107,109	20/1	12
13	20/1	RECPT-106(BED)	6			--			SPARE	20/1	14
15	20/1	SPARE		--			6		RECPT-105(BED)	20/1	16
17	20/1	RECPT-108(BED)			6			--	SPARE	20/1	18
19	20/1	RECPTS-108,110	6			6			RECPT-103(BED)	20/1	20
21	20/1	SPARE		--			6		RECPTS-105,103	20/1	22
23	20/1	RECPT-110(BED)			6			6	RECPT-103(BED)	20/1	24
25	20/1	RECPT-110(BED)	6			6			RECPT-101(BED)	20/1	26
27	20/1	RECPT-112(BED)		6			6		RECPT-101(BED)	20/1	28
29	20/1	RECPTS-112,111			6			6	RECPT-112(BED)	20/1	30
31	20/1	SPARE	--			--			BLANK	--	32
33	--	BLANK		--			--		BLANK	--	34
35	--	BLANK			--			--	BLANK	--	36
37	--	BLANK	--			--			BLANK	--	38
39	--	BLANK		--			--		BLANK	--	40
41	--	BLANK			--			--	BLANK	--	42
SUBTOTAL			30	18	30	24	30	24			

TOTAL PANEL LOAD: A# 54A B# 48A C# 54A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-ECC (AUTO-DELAYED CRITICAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 18,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-47,51 ⚠	6			6			RECPT-206(BED)	20/1	2
3	20/1	LTS-53,51		6			4		RECPTS-206	20/1	4
5	20/1	RECPTS-51			4			6	RECPT-206(BED)	20/1	6
7	20/1	NURSE CALL SYSTEM	6			6			RECPT-208(BED)	20/1	8
9	20/1	RECPTS-51		4			6		RECPTS-208,209	20/1	10
11	20/1	RECPT-205(BED)			6			6	RECPT-208(BED)	20/1	12
13	20/1	RECPT-205(BED)	6			6			RECPT-209(BED)	20/1	14
15	20/1	DOOR ENTRY PANEL		6			6		RECPT-209(BED)	20/1	16
17	20/1	RECPTS-48			6			6	RECPT-210(BED)	20/1	18
19	20/1	ICE MACHINE-47			4				RECPT-210	20/1	20
21	20/1	RECPTS-47				6			RECPT-210(BED)	20/1	22
23	201/	REFRIG-47					6		RECPT-207(BED)	20/1	24
25	20/1	REFRIG-48			6				RECPTS-205,207	20/1	26
27	20/1	SPARE		--		6			RECPT-207(BED)	20/1	28
29	--	BLANK						6	DOOR ENTRY SYSTEM	20/1	30
31	--	BLANK			--				BLANK	--	32
33	--	BLANK				--			BLANK	--	34
35	--	BLANK					--		BLANK	--	36
37	--	BLANK						--	BLANK	--	38
39	--	BLANK			--				BLANK	--	40
41	--	BLANK						--	BLANK	--	42
SUBTOTAL	⚠		18	16	10	28	28	30			

TOTAL PANEL LOAD: A# 46A B# 44A C# 40A ⚠

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-ECD (AUTO-DELAYED CRITICAL) 300 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	RECPT-301(BED)	6			6			RECPTS-302(BED)	20/1	2
3	20/1	RECPTS-301		4			6		RECPTS-302,304	20/1	4
5	20/1	RECPT-301(BED)			6			6	RECPT-302(BED)	20/1	6
7	20/1	RECPT-303(BED)	6			6			RECPT-304(BED)	20/1	8
9	20/1	RECPT-303(BED)		6			6		RECPT-304(BED)	20/1	10
11	20/1	RECPT-305(BED)			6			6	RECPTS-306,308	20/1	12
13	20/1	RECPTS-303,305	6			6			RECPT-306(BED)	20/1	14
15	20/1	RECPT-305(BED)		6			6		RECPT-306(BED)	20/1	16
17	20/1	RECPT-307(BED)			6			6	RECPT-308(BED)	20/1	18
19	20/1	RECPTS-307,309	6			6			RECPT-308(BED)	20/1	20
21	20/1	RECPT-307(BED)		6			6		RECPTS-310,312	20/1	22
23	20/1	RECPT-309(BED)			6			6	RECPT-310(BED)	20/1	24
25	20/1	RECPT-309(BED)	6			6			RECPT-310(BED)	20/1	26
27	20/1	RECPT-311(BED)		6			6		RECPT-312(BED)	20/1	28
29	20/1	RECPTS-311,313			6			6	RECPT-312(BED)	20/1	30
31	20/1	RECPT-311(BED)	6			6			RECPT-314(BED)	20/1	32
33	20/1	RECPT-313(BED)		6			6		RECPT-314(BED)	20/1	34
35	20/1	RECPT-313(BED)			6			2	LTS-38	20/1	36
37	20/1	RECPT-315(BED)	6			--			BLANK	--	38
39	20/1	RECPTS-315		6			--		BLANK	--	40
41	20/1	RECPT-315(BED)			6			--	BLANK	--	42
SUBTOTAL			42	40	42	36	36	32			

TOTAL PANEL LOAD: A# 78A B# 78A C# 74A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-ECF (AUTO-DELAYED CRITICAL)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/1	LTS-30,31	6			5			FRZR/CLR COND. (49) (47)	20/3	2
3	20/1	LTS-29,34,31		6			5				4
5	20/1	LTS-21			12			5			6
7	20/1	H.W. CIRC. PUMP	6			6			LOW TEMP COIL (46)	20/1	8
9	20/1	H.W. CIRC. PUMP		6			6		MED. TEMP COIL (46)	20/1	10
11	20/1	H.W. CIRC. PUMP			6			6	FRZR/CLR-LTS/HTR (45)	20/1	12
13	20/1	H.W. CIRC. PUMP	6			16			MICROWAVE (29)	20/1	14
15	20/2	SPRINKLER COMPRESSOR		10			10		REFRIG (6)	20/1	16
17					10			18	COFFEE (4)	30/2	18
19	20/1	HEAT TAPE	10			18					20
21	20/1	BOILER CONTROLS		10			10		GENERATOR CONTROLS	20/1	22
23	20/1	BLOCK HEATER			10			10	BATTERY CHARGER	20/1	24
25	--	BLANK	--			--			BLANK	--	26
27	--	BLANK		--			--		BLANK	--	28
29	--	BLANK			--			--	BLANK	--	30
31	--	BLANK	--			--			BLANK	--	32
33	--	BLANK		--			--		BLANK	--	34
35	--	BLANK			--			--	BLANK	--	36
37	--	BLANK	--			--			BLANK	--	38
39	--	BLANK		--			--		BLANK	--	40
41	--	BLANK			--			--	BLANK	--	42
SUBTOTAL			28	32	38	45	31	39			

TOTAL PANEL LOAD: A# 73A B# 63A C# 77A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-EC (AUTO-DELAYED CRITICAL-DISTRIBUTION)

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 400A MLO FRAME 400A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	150/3	PANEL-ECA	100			78			PANEL-ECD	100/3	2
3				104			76				4
5					114			74			6
7	100/3	PANEL-ECC	46			73			PANEL-ECF	100/3	8
9		⚠2		44			53				10
11					40			77			12
13	--	BLANK	--			--		S/O		-- /3	14
15	--	BLANK		--			--				16
17	--	BLANK			--			--			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
SUBTOTAL		⚠2	146	148	154	151	129	151			

TOTAL PANEL LOAD: A# 297A B# 277A C# 305A ⚠2

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-EHA (CRITICAL) 100 & 200 WINGS

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 300A MLO FRAME 300A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/2	TW-112	14			14			TW-111	20/2	2
3				14			14				4
5	20/2	TW-110			14			14	TW-109	20/2	6
7			14			14					8
9	20/2	TW-108		14			14		TW-107	20/2	10
11					14			14			12
13	20/2	TW-106	14			14			TW-105	20/2	14
15				14			14				16
17	20/2	TW-104			14			14	TW-103	20/2	18
19			14			14					20
21	20/2	TW-102		14			14		TW-101	20/2	22
23					14			14			24
25	20/2	TW-201	14			14			TW-202	20/2	26
27				14			14				28
29	--	BLANK			--			14	TW-204	20/2	30
31	--	BLANK	--			14					32
33	--	BLANK		--			14		TW-201	20/2	34
35	--	BLANK			--			14			36
37	100/3	PANEL-EHC	56			--			BLANK	--	38
39				56			--		BLANK	--	40
41					56			--	BLANK	--	42
SUBTOTAL			126	126	112	84	84	84			

TOTAL PANEL LOAD: A# 210A B# 210A C# 196A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-EHC (CRITICAL) 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 100A MLO FRAME 100A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/2	TW-206	14			14			TW-201	20/2	2
3				14			14				4
5	20/2	TW-208			14			14	TW-207	20/2	6
7			14			14					8
9	20/2	TW-209		14			14		TW-205	20/2	10
11					14			14			12
13	--	BLANK	--			--			BLANK	--	14
15	--	BLANK		--			--		BLANK	--	16
17	--	BLANK			--			--	BLANK	--	18
19	--	BLANK	--			--			BLANK	--	20
21	--	BLANK		--			--		BLANK	--	22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
SUBTOTAL			28	28	28	28	28	28			

TOTAL PANEL LOAD: A# 56A B# 56A C# 56A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

PANEL-EHD (CRITICAL) 200 WING

TYPE BOLT-ON MOUNTING FLUSH ENCLOSURE NEMA-1 PHASE 3 WIRE 4
VOLTS 120/208 MAIN 225A MLO FRAME 225A SHORT CIR.RATING 10,000 RMS SYM MIN

CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE A	PHASE B	PHASE C	LOADING A	LOADING B	LOADING C	DESCRIPTION	CKT. BKR. TRIP	CKT. NO.
1	20/2	TW-315	14			14			TW-314	20/2	2
3				14			14				4
5	20/2	TW-313			14			14	TW-312	20/2	6
7			14			14					8
9	20/2	TW-311		14			14		TW-310	20/2	10
11					14			14			12
13	20/2	TW-309	14			14			TW-308	20/2	14
15				14			14				16
17	20/2	TW-307			14			14	TW-306	20/2	18
19			14			14					20
21	20/2	TW-305		14			14		TW-304	20/2	22
23					14			14			24
25	20/2	TW-303	14			--			BLANK	--	26
27				14			--		BLANK	--	28
29	20/2	TW-301			14			--	BLANK	--	30
31			14			--			BLANK	--	32
33	20/2	TW-302		14			--		BLANK	--	34
35					14			--	BLANK	--	36
37	--	BLANK	--			--			BLANK	--	38
39	--	BLANK		--			--		BLANK	--	40
41	--	BLANK			--			--	BLANK	--	42
SUBTOTAL			84	84	84	56	56	56			

TOTAL PANEL LOAD: A# 140A B# 140A C# 140A

NOTES:

NEUTRAL TERMINAL BAR [X]
GROUND TERMINAL BAR [X]

DESIGN TECHNOLOGIES
AMERICAN FIRE TECHNOLOGIES, INC.
PHONE: (910) 799-1484
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DIVISION OF AMERICAN FIRE TECHNOLOGIES, INC.
2120 CAPITAL DRIVE
WILMINGTON, NC 28405

REV. #	DESCRIPTION	DATE
0	ORIGINAL ISSUE	02-16-00
⚠1	DFS COMMENTS	11-06-00
⚠2	ARCHITECTURAL CHANGES	01-26-01

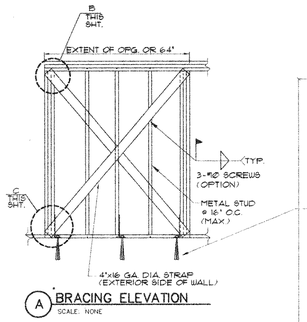
CABARRUS COUNTY
NURSING FACILITY
CABARRUS, NORTH CAROLINA

PANEL SCHEDULES

SHEET NO.
E13
OF
14

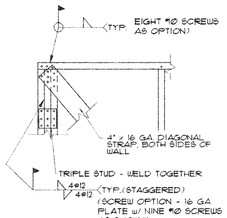
NORTH CAROLINA PROFESSIONAL SEAL 22486 ENGINEER EDGAR P. HAYES

H:\DWGFILES\Cabrus-01301\01301E13.dwg Mon Jan 29 11:03:21 2001

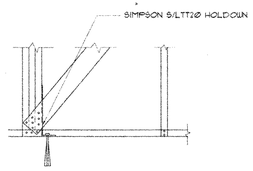


A BRACING ELEVATION
SCALE: NONE

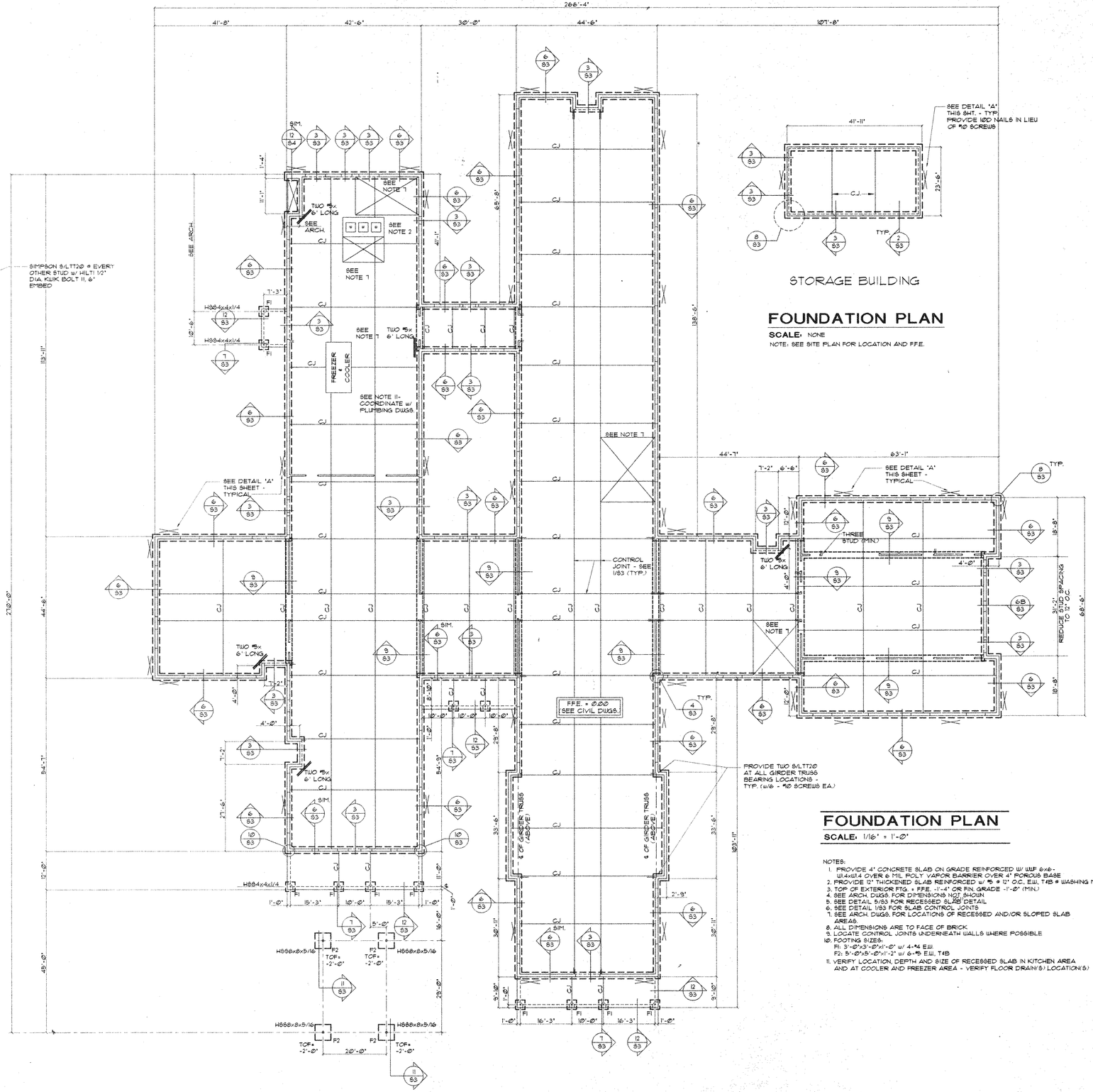
PROVIDE STUD OR 4" WIDE, 16 GA. STRAP BLOCKING AT ALL SHEATHING JOINTS. PROVIDE #10 SCREWS @ 4" O.C. AT ALL STUDS AND BLOCKING. TYPICAL AT ALL BRACING LOCATIONS.



B BRACING DETAIL
SCALE: NONE



C BRACING DETAIL
SCALE: NONE



FOUNDATION PLAN
SCALE: NONE
NOTE: SEE SITE PLAN FOR LOCATION AND F.F.E.

FOUNDATION PLAN
SCALE: 1/16" = 1'-0"

NOTES:
1. PROVIDE 4" CONCRETE SLAB ON GRADE REINFORCED W/ WWF 6x6 - W1.4xW1.4 OVER 6 MIL POLY VAPOR BARRIER OVER 4" POROUS BASE
2. PROVIDE 12" THICKENED SLAB REINFORCED W/ #5 @ 12" O.C. E.W., T4B @ WASHING MACHINES
3. TOP OF EXTERIOR FTG. = F.F.E. -1'-4" OR FIN. GRADE -1'-0" (MIN.)
4. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN
5. SEE DETAIL 5/S3 FOR RECESSED SLAB DETAIL
6. SEE DETAIL 1/S3 FOR SLAB CONTROL JOINTS
7. SEE ARCH. DWGS. FOR LOCATIONS OF RECESSED AND/OR SLOPED SLAB AREAS.
8. ALL DIMENSIONS ARE TO FACE OF BRICK
9. LOCATE CONTROL JOINTS UNDERNEATH WALLS WHERE POSSIBLE
10. FOOTING SIZES:
    F1: 3'-0"x3'-0"x1'-0" w/ 4-#4 E.W.
    F2: 5'-0"x5'-0"x1'-2" w/ 6-#5 E.W., T4B
11. VERIFY LOCATION, DEPTH AND SIZE OF RECESSED SLAB IN KITCHEN AREA AND AT COOLER AND FREEZER AREA - VERIFY FLOOR DRAIN(S) LOCATION(S)

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CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

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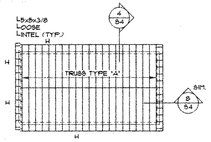
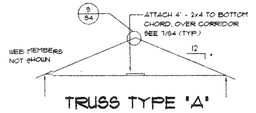


STORAGE BUILDING

ROOF FRAMING PLAN

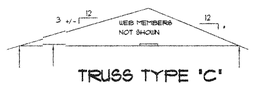
SCALE: NONE

NOTE: TRUSS BEARING = 8'-0" AFF.
PROVIDE 2-2x8's FOR HEADERS (H) (VERIFY LOCATIONS AND AMOUNTS)



TRUSS TYPE 'A'
(TYPICAL UNLESS NOTED OTHERWISE)

TRUSS TYPE 'B'

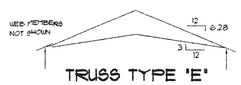


TRUSS TYPE 'C'

NOTE: ALL ROOF SLOPES ARE 6:12 UNLESS SHOWN OTHERWISE ON PLAN (ADMIN. WING AREA IS 6.28:12)

TRUSS TYPE 'D'

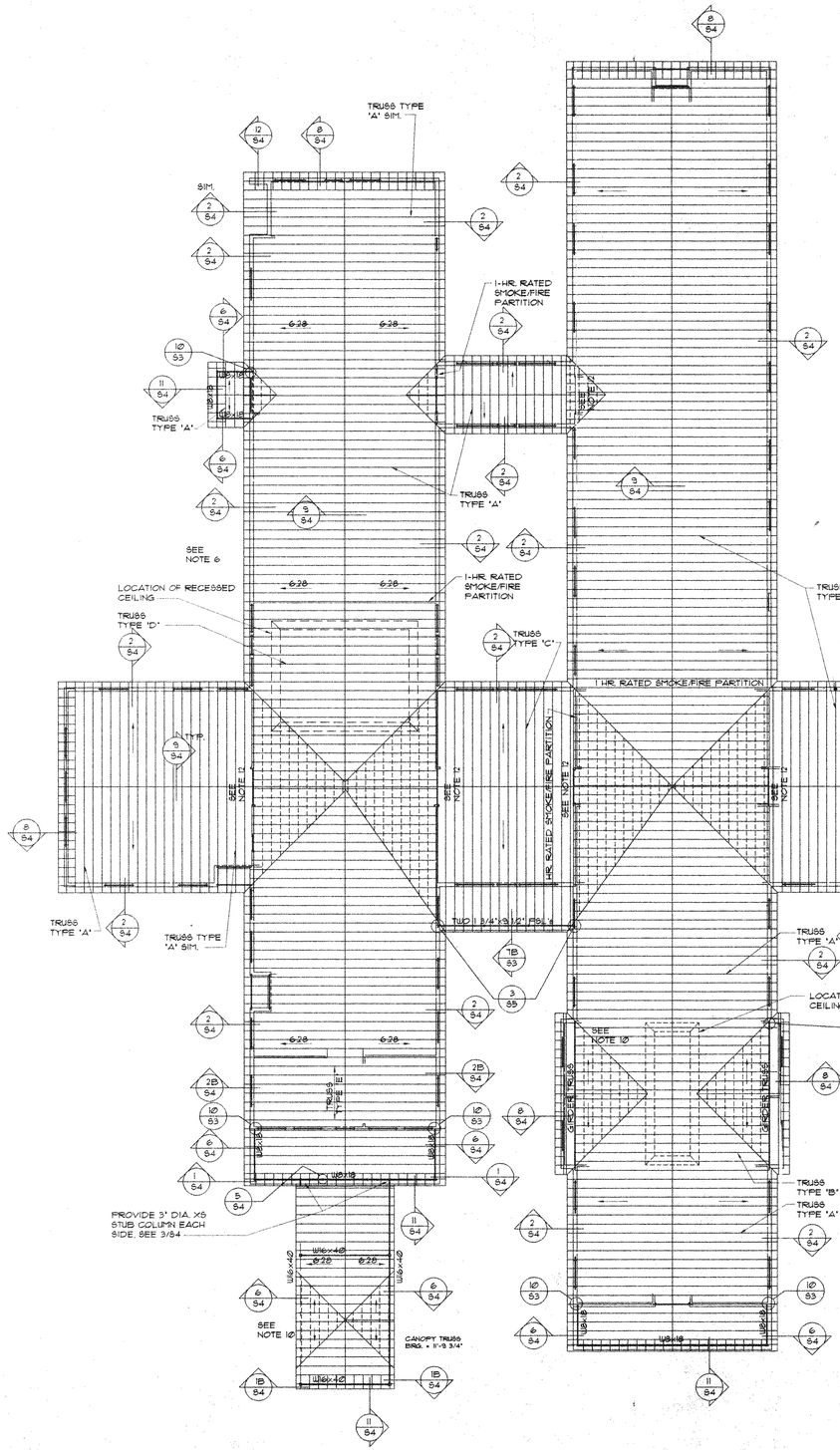
OMIT EXTENSION WHERE SHOWN ON PLAN



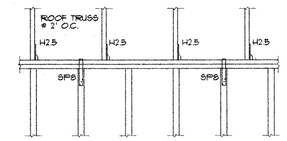
TRUSS TYPE 'E'
(LOBBY)
(LIMIT HORIZ. DEFLECTION TO L/600)
(DESIGN BOTTOM CHORD FOR AN ADDITIONAL 5 PSF DEAD LOAD)

TRUSS TYPE 'F'

TRUSS TYPE 'G'



NOTE: PROVIDE SIMPSON TIES OR EQUAL - SPB TO ALIGN WITH S/LTT2Ø BELOW



NOTE: ROOF TRUSS TO ALIGN WITH STUD BELOW AT EVERY OTHER TRUSS

Ⓐ TRUSS TIE-DOWN ELEV.
SCALE: NONE

ROOF FRAMING PLAN

SCALE: 1/16" = 1'-Ø"

NOTES:
1. ALL TRUSS SPACING IS AT 2'-Ø" O.C. UNLESS NOTED OTHERWISE.
2. TRUSS FABRICATOR SHALL VERIFY ALL DIMENSIONS, LAYOUTS AND COORDINATE WITH BEARING WALL AND BEAM LOCATIONS. ALTERNATE LAYOUT PLANS MAY BE SUBMITTED FOR APPROVAL.
3. REFER TO FOUNDATION PLAN FOR DIMENSIONS AND TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
4. DESIGN ROOF TRUSSES FOR ADDITIONAL MECHANICAL, SPRINKLER AND ARCHITECTURAL LOADS AS REQUIRED.
5. SEE DETAIL 1Ø/S4 FOR ROOF DECK NAILING PATTERN
6. VERIFY KITCHEN VENTILATION DOES NOT REQUIRE CHASED OPENINGS
7. PROVIDE L6x4x5/8 BRICK LINTEL FOR ALL OPENINGS 8' OR LESS
8. TRUSS BEARING = 9'-1 1/2"
9. VERIFY LOCATIONS AND AMOUNTS OF ALL HEADERS
10. PRE-FAB. O/ERBUILT TRUSS FRAMING
11. COORDINATE w/ ARCH. DWGS. FOR LOCATIONS OF FIRE/SMOKE WALLS AND DRAFT PARTITIONS
12. PROVIDE TWO 1 3/4"x11 7/8" PARALLAM'S ABOVE CEILING, HANGERS BY TRUSS DESIGNER/SUPPLIER
    ATTACH w/ TWO SIMPSON LTS2Ø EACH END (12 16d NAILS EA. TIE)
    12B. PROVIDE THREE 1 3/4"x14" PARALLAM'S ABOVE CEILING, HANGERS BY TRUSS DESIGNER/SUPPLIER
    ATTACH w/ TWO SIMPSON HTS28 TIES EACH END (2Ø 16d NAILS EACH)
13. ALL TRUSS HANGERS TO BE SIZED BY TRUSS DESIGNER
14. PROVIDE DIAGONAL 2x BRACING TO EXTERIOR WALL AS SHOWN
15. SEE DETAIL 4/S8 FOR TOP PLATE SPLICE DETAIL
16. COORDINATE ATTIC ACCESS DOORS WITH ARCH. DWGS. AND SPACE TRUSSES AS REQ'D FOR PROPER DOOR INSTALLATION
17. SEE MECH. DWGS. FOR LOCATIONS OF ATTIC HVAC UNITS - UNITS WEIGH 8ØØ# EACH

HEADER SCHEDULE

H1 TWO 825C5/14 (SEE 1/S5)

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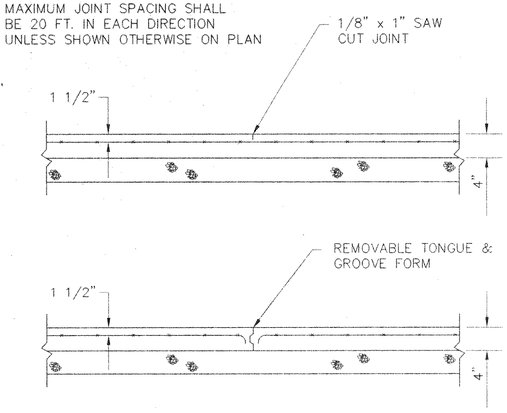
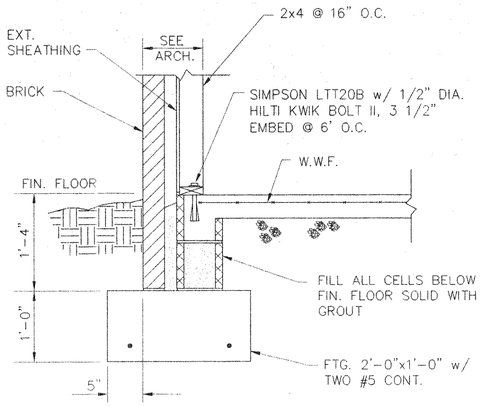
NOTE:
MAXIMUM JOINT SPACING SHALL
BE 20 FT. IN EACH DIRECTION
UNLESS SHOWN OTHERWISE ON PLAN



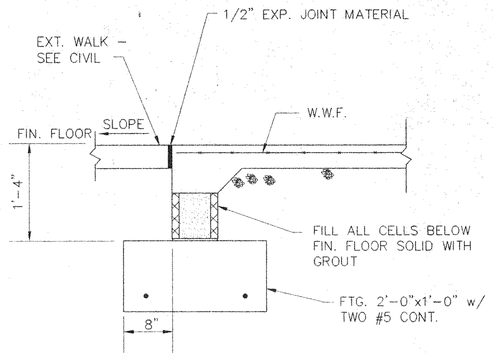
1 SLAB ON GRADE JOINTS
SCALE: NONE

ATTACH SHEATHING WITH 10d NAILS @ 6" O.C.,
INTERIOR AND EXTERIOR

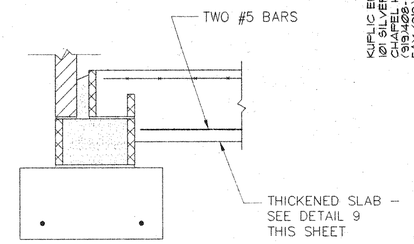


2 EXTERIOR WALL SECTION
SCALE: NONE

STORAGE BUILDING



3 EXTERIOR DOOR SECTION
SCALE: NONE



SEE DETAIL 6 THIS
SHEET FOR INFO.
NOT SHOWN

4 SECTION @ THICK. SLAB
SCALE: NONE

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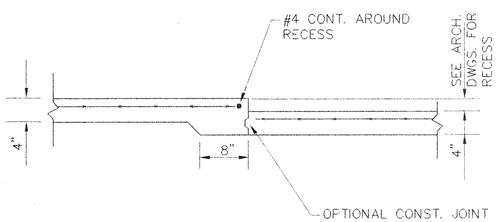
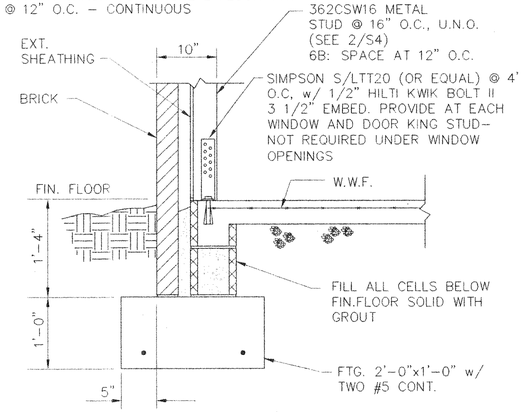


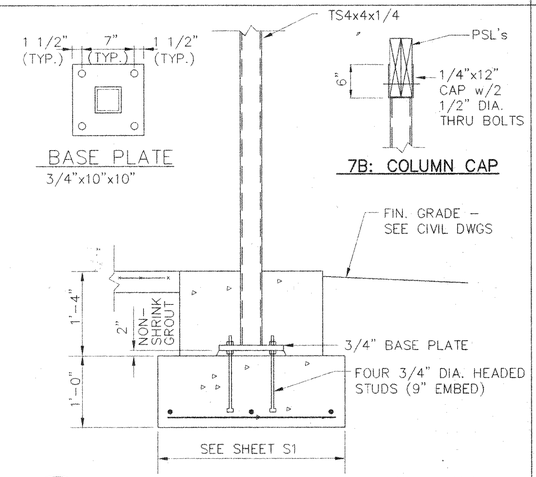
NOTE:
SEE ARCH. DWGS. AND FINISH
SCHEDULE FOR DIMENSIONS AND
LOCATIONS OF REQUIRED RECESSES

5 TYP. RECESSED SLAB
SCALE: NONE

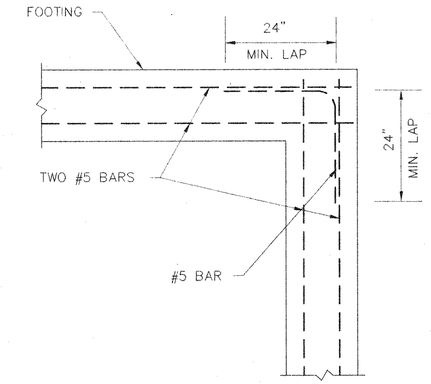
ATTACH SHEATHING @ 7" O.C. @ EDGES AND @ INTERMEDIATE STUDS
ATTACH TRACK TO CONCRETE FLOOR WITH .145 PINS
@ 12" O.C. – CONTINUOUS



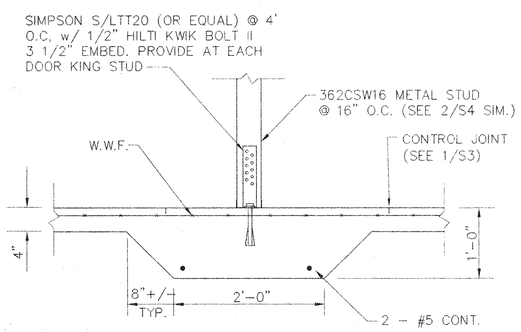
6 EXTERIOR WALL SECTION
SCALE: NONE



7 SECTION @ PORCH COLUMN
SCALE: NONE

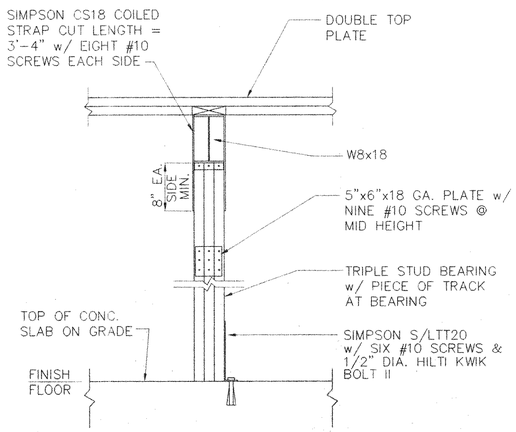


8 TYP. CONTINUITY CORNER
SCALE: NONE

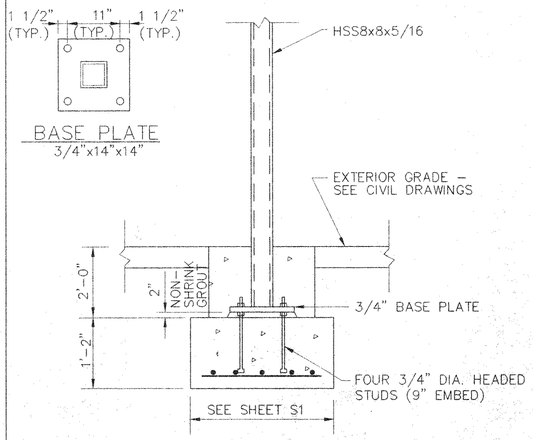


SEE PLAN FOR LOCATION OF CONTROL JOINTS

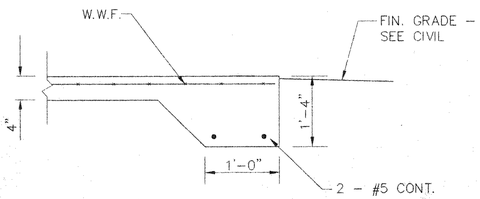
9 THICKENED SLAB
SCALE: NONE



10 PORCH BEAM BEARING
SCALE: NONE



11 EXTERIOR COLUMN
SCALE: NONE



12 SECTION @ PORCH
SCALE: NONE

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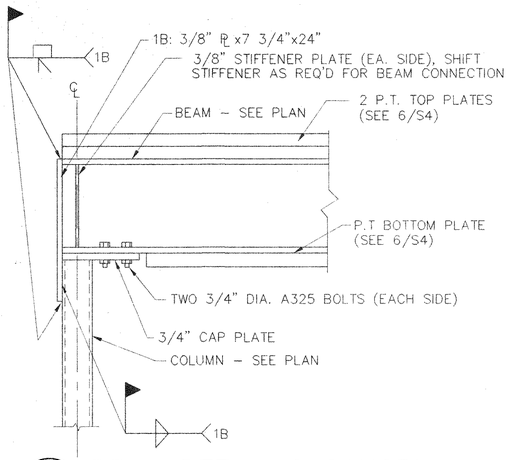
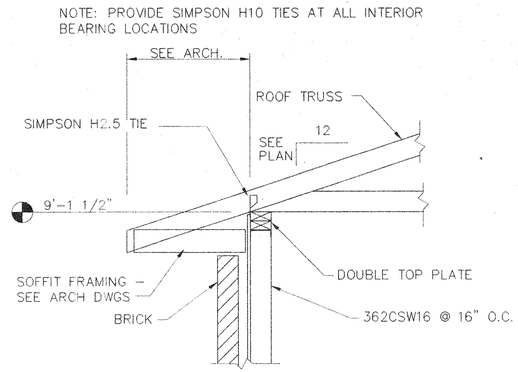


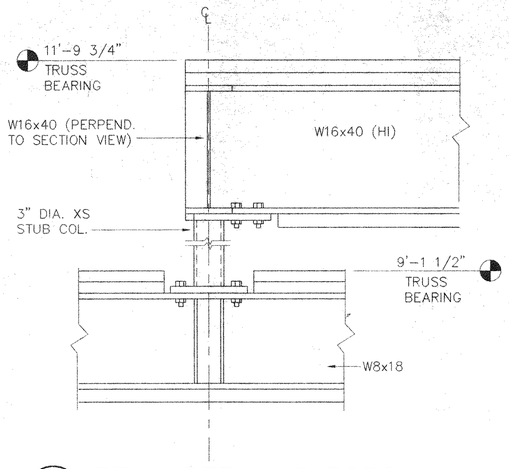
1 BEAM DETAIL @ CANOPY

SCALE: NONE



2 PREFAB. TRUSS @ EXT. WALL

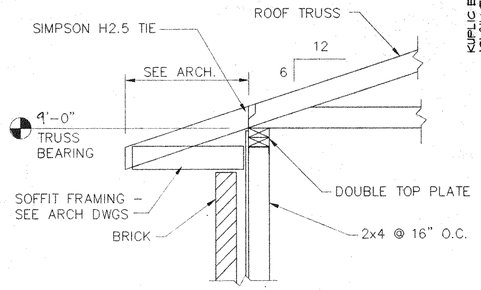
SCALE: NONE



3 BEAM DETAIL @ PORCH

SCALE: NONE

SEE DETAILS 1 & 5 FOR INFO. NOT SHOWN



4 EXT. WALL – STORAGE BLDG.

SCALE: NONE

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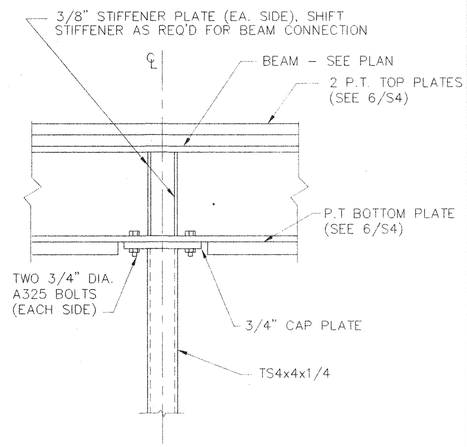
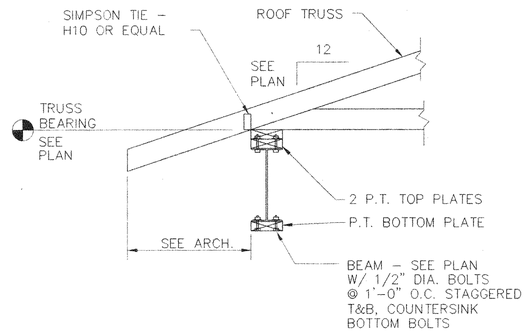


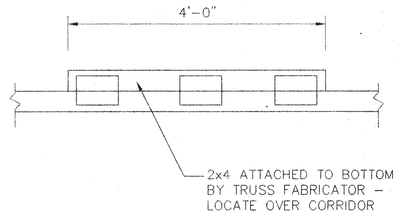
5 BEAM DETAIL

SCALE: NONE



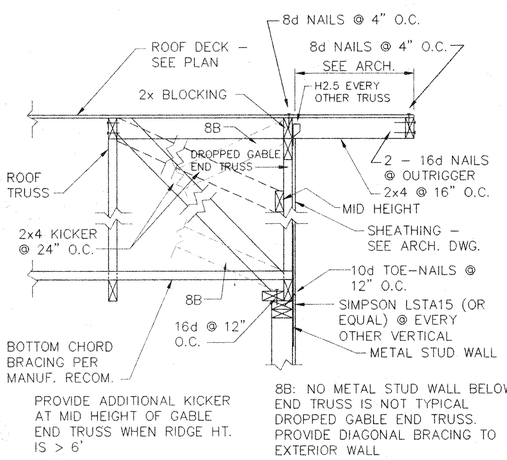
6 TRUSS BRG. AT BEAM

SCALE: NONE



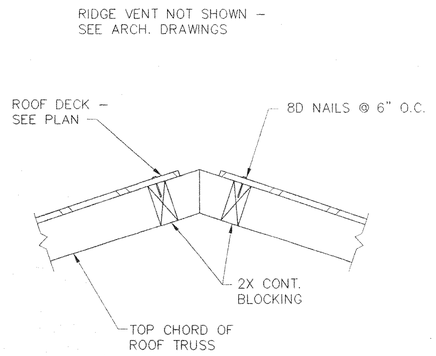
7 DETAIL OVER CORRIDOR

SCALE: NONE



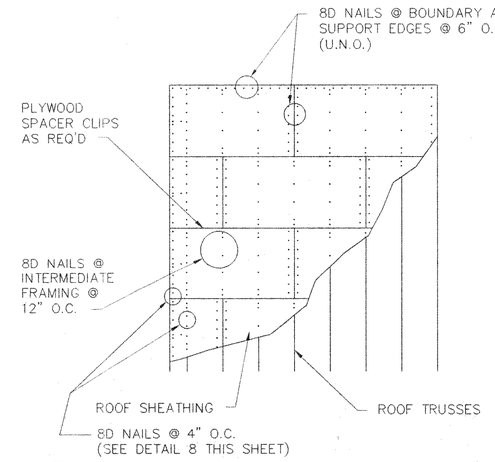
8 EAVE SECTION

SCALE: NONE



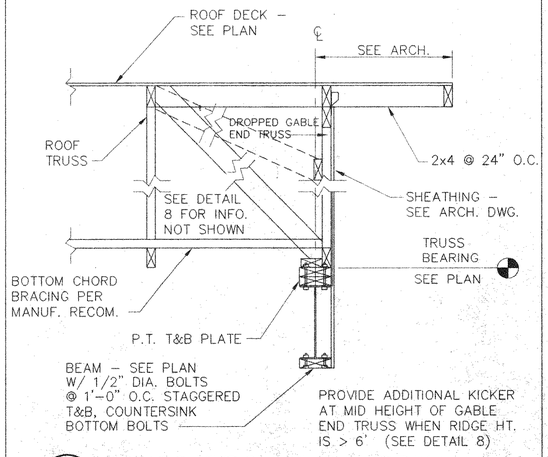
9 DETAIL AT RIDGE

SCALE: NONE



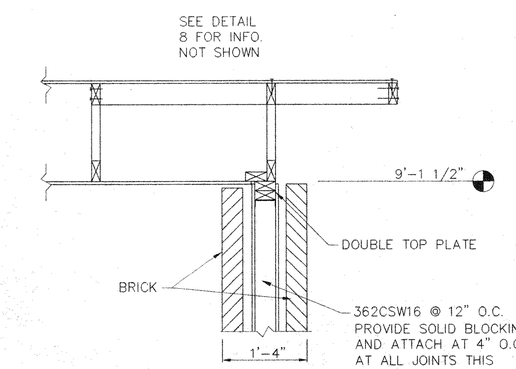
10 ROOF DECK NAIL PATTERN

SCALE: NONE



11 TRUSS BRG. @ CANOPY

SCALE: NONE



12 EXTERIOR WALL SECTION

SCALE: NONE

CABARRUS COUNTY
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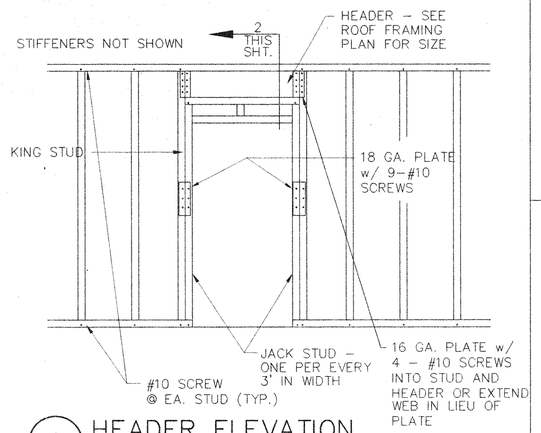
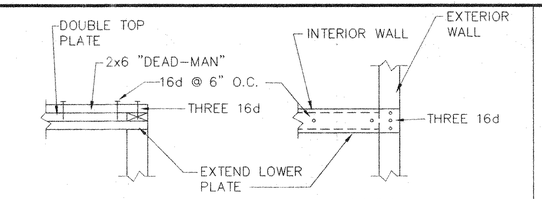
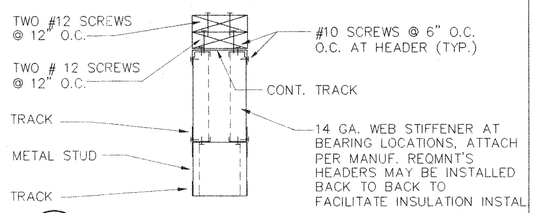


1 HEADER ELEVATION

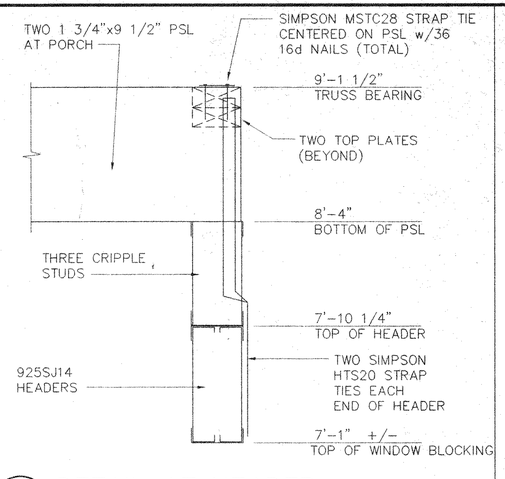
SCALE: NONE





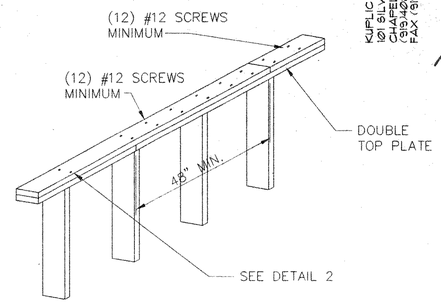
2 HEADER & TOP PLATE DETAIL

SCALE: NONE



3 DETAIL AT HEADER

SCALE: NONE



4 TOP PLATE SPLICE DETAIL

SCALE: NONE

KUPLIC ENGINEERING, INC.
101 SILVER GLADE PLACE
CHAPEL HILL, NC 27514
(919) 489-6949
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NORTH CAROLINA PROFESSIONAL ENGINEER
NEIL J. KUPLIC
SEAL 20295
12/14/99
934

CABARRUS COUNTY
NURSING FACILITY
Cabarrus, North Carolina

DESIGN AND CODE INFORMATION:

1. ALL CONSTRUCTION SHALL CONFORM TO THE NORTH CAROLINA STANDARD BUILDING CODE, 1996 EDITION AND ASCE 7–93 (EXPOSURE C) (ROBESON COUNTY)
2. VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE WORKED WITH ARCHITECTURAL DWGS.
3. THE DESIGN ADEQUACY, SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. FOR LOCATION OF MISCELLANEOUS ITEMS (SUCH AS INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
5. DESIGN WIND SPEED: 80 MPH (FIG. 1606 & TABLE 1606)
6. SEISMIC DESIGN DATA: $V = C_s W$ $C_s = \frac{2.5\ A_a}{R}$ SPC = B; $A_a = 0.075$ SHEG = II; $R = 6\ 1/2$ $A_v = 0.075$ $R_{x/y} = 6\ 1/2$; (WIND GOVERNS) $C_d = 4$ NO HT. LIMIT; $I = 1.05$
7. DESIGN LIVE LOADS : ROOFS = 16 PSF; CATWALK = 40 PSF; SNOW = 10 PSF

FOUNDATION NOTES

1. FOUNDATION DESIGN IS BASED UPON AN ASSUMED VALUE.
2. FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2000 PSF.
3. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE BUILDING LIMITS BY A REGISTERED GEOTECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 2'–0" MINIMUM BELOW FINISHED GRADE. (U.N.O.)
4. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED OR CLEAN SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
5. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

REINFORCED CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," (ACI 318, LATEST EDITION)
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A–615 (GRADE 60)
3. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE 3000 P.S.I. (SEE CIVIL DRAWINGS FOR SITE CONCRETE)
4. LAP SPLICES FOR REINFORCING BARS SHALL BE 24" MIN., U.N.O.
5. CLEAR CONCRETE COVER FOR REINFORCING STEEL:
   MASONRY WALLS – LOCATE IN CENTER OF WALL (U.N.O.)
   FOOTINGS – 2" FORMED EDGES
   – 3" CAST AGAINST GROUND

REINFORCED CONCRETE CONT.:

6. THE LONGITUDINAL REINFORCING STEEL IN BOND BEAMS, WALLS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS. SEE TYPICAL DETAILS.
7. ALL CONCRETE SHALL BE VIBRATED BY MECHANICAL VIBRATORS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE A.I.S.C. "MANUAL OF STEEL CONSTRUCTION ALLOWABLE STRESS DESIGN" NINTH EDITION AND "MANUAL OF STEEL CONSTRUCTION LOAD AND RESISTANCE FACTOR DESIGN" FIRST EDITION.
2. STRUCTURAL STEEL SHALL BE ASTM A–36.
3. STRUCTURAL TUBES SHALL BE ASTM A500, GRADE B.
4. STEEL FRAMING CONNECTIONS SHALL BE BOLTED OR WELDED. BOLTS SHALL BE 3/4" DIAMETER MINIMUM AND SHALL BE ASTM A–325–N U.N.O.
5. ANCHOR BOLTS SHALL BE ASTM A–307 HEADED BOLTS. MINIMUM ANCHOR BOLT EMBEDMENT LENGTH SHALL BE 12 BOLTS DIAMETERS U.N.O. CLEAN ANCHOR BOLTS OF ALL GREASE, DIRT, ETC., BEFORE INSTALLATION.
6. WELDS SHOWN ON THE STRUCTURAL DRAWINGS ARE THE MINIMUM REQ'D BY DESIGN. THE FABRICATOR'S DRAWINGS SHALL SHOW WELDS AND THEY SHALL CONFORM TO A.W.S. SPECIFICATIONS. ALL WELDING SHALL BE DONE WITH E–70 SERIES ELECTRODES.
7. HARDENED WASHERS SHALL BE INSTALLED OVER SHORT SLOTTED OR OVERSIZED HOLES OCCURING IN AN OUTER PLY OF A CONNNECTION.
8. PAINT ALL STRUCTURAL STEEL WITH ONE COAT OF RED OXIDE RUST–INHIBITIVE PRIMER 2.5 MILS IN THICKNESS. THE COMPATABILITY OF PRIMER AND ANY TOP COAT SHALL BE VERIFIED BEFORE ANY PAINTING IS PERFORMED. TOUCH–UP ALL EXPOSED METAL AFTER FIELD INSTALLATION. ALL STRUCTURAL STEEL WHICH IS EXPOSED TO THE ELEMENTS SHALL RECEIVE TWO COATS OF EXTERIOR ENAMEL WHICH IS COMPATIBLE TO THE PRIMED SURFACE.
9. THE SHOP DRAWINGS SHALL INCLUDE COMPLETE DETAILS AND SCHEDULES FOR FABRICATION AND ASSEMBLY OF STRUCTURAL STEEL MEMBERS. SUBMIT ONE REPRODUCIBLE SEPIA AND TWO BLUELINE PRINTS OF EACH DRAWING. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.

WOOD TRUSSES

1. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:
   TOP CHORD: 10 PSF DEAD LOAD; 16 PSF LIVE LOAD
   BOTTOM CHORD: 10 PSF DEAD LOAD; 40 PSF LIVE LOAD AT CATWALK
2. IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR TRUSS DESIGN, THE TRUSS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR M,P &E EQUIPMENT OR MATERIALS AND BY SPRINKLER LOADS IN THE TRUSS DESIGN.
3. TRUSSES SHALL BE DESIGNED BY A REGISTERED ENGINEER IN THE STATE OF NORTH CAROLINA AND SHOP DRAWINGS AND PLACEMENT DRAWING BEARING THE ENGINEER'S SEAL SHALL BE SUBMITTED FOR APPROVAL
4. TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE TRUSS PLATE INSTITUTE.
5. LIMIT LIVE LOAD DEFLECTION TO L/400, TOTAL LOAD DEFLECTION TO L/360 OR 1" (MAX.)
6. MEAN ROOF HEIGHT FOR WIND DESIGN CALCULATIONS = 15'

LUMBER FRAMING (NON – PREFABRICATED LUMBER)

1. STRUCTURAL MEMBERS SHALL BE SOUTHERN PINE, NO. 2 OR EQUAL

CONCRETE MASONRY

1. OMITTED
2. CONCRETE MASONRY SHALL CONFORM TO THE NATIONAL CONCRETE MASONRY ASSOCIATION SPECIFICATIONS, AND HAVE A DENSITY OF 125 P.C.F. AND SHALL HAVE A MINIMUM PRISM STRENGTH (F'm) OF 1500 P.S.I.
3. GROUT FOR FILLING CONCRETE MASONRY CELLS SHALL CONFORM TO STANDARD SPECIFICATIONS FOR "MORTAR AND GROUT FOR REINFORCED MASONRY", ASTM C–476, AND SHALL HAVE A COMPRESSIVE PRISM STRENGTH (F'm) OF 3000 P.S.I. AT 28 DAYS. THE SLUMP SHALL BE BETWEEN 9" AND 11". WHERE THE MINIMUM DIMENSION OF ANY CONTINUOUS VERTICAL CELL IS 3" OR LESS, USE FINE GROUT, OTHERWISE USE COARSE (PEA GRAVEL) GROUT.
4. MORTAR FOR CONCRETE MASONRY SHALL BE TYPE "M" OR "N" AND SHALL CONFORM TO ASTM C–270.

COLD–FORMED STEEL

1. ALL MEMBERS SHALL CONFORM TO THE AISI "SPECIFICATION FOR THE DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS" AND SHALL BE OF THE TYPE AND SIZE AS INDICATED ON THE PLANS. ALL STRUCTURAL MEMBERS SHALL MEET THE REQUIREMENTS OF ASTM A446, GRADE D (50 KSI) FOR STUDS AND RUNNERS SHALL BE GRADE A (33 KSI). ALL MEMBERS SHALL BE ZINC COATED MEETING ASTM A525, G–60 OR EQUAL.
2. THE PHYSICAL AND STRUCTURAL PROPERTIES AS LISTED BY UNIMAST, INC. SHALL BE THE MINIMUM PERMITTED FOR FRAMING MEMBERS. ANY SUBSTITUTIONS MUST BE APPROVED PRIOR TO CONSTRUCTION BY THE ENGINEER. MINIMUM PROPERTIES ARE LISTED BELOW:

   362CSW16
   $I_x = .973\ in^4$ $A_e = .283\ in^2$
   $S_x = .458\ in^3$

3. FASTENING OF COMPONENTS SHALL BE WITH SELF–DRILLING SCREWS OR WELDING. SCREWS AND WELDS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. ALL WELDS SHALL BE TOUCHED–UP WITH ZINC–RICH PAINT.
4. STUDS SHALL BE PUNCHED; HEADERS SHALL NOT BE PUNCHED.
5. SPLICES IN FRAMING COMPONENTS, OTHER THAN RUNNER TRACK, SHALL NOT BE PERMITTED.
6. TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETE.
7. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR, AS REQUIRED, FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS.
8. PROVIDE ADDITIONAL STUDS, WHEN NECESSARY, TO RESIST VERTICAL COMPONENTS OF LOADS.
9. STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS.
10. PROVIDE STIFFENERS IN HEADERS AT EACH POINT LOAD AND AT BEARING LOCATIONS.
11. PROVIDE LATERAL BRACING AT ALL METAL BEARING STUDS @ 48" O.C. (MAX.). PROVIDE LATERAL BRACING w/ 1 1/2" 20 GA. STRAP SCREW ATTACHED TO BOTH SIDES OF EVERY OTHER STUD (START AND STOP ON SOLID BLOCKING) w/ MIN. 18 GA. RUNNER TRACK SOLID BRIDGING @ 10' O.C. (MAX.) HORIZONTALLY, OR w/ 1 1/2" COLD ROLLED CHANNELS ATTACHED TO ALL STUDS w/ CLIP ANGLE. ATTACH 2"x2"x16 GA. CLIP ANGLE w/ EITHER 3 WELDS (ONE TO CHANNEL, TWO TO STUD) OR w/ 4 FRAMING SCREWS, TWO INTO STUD, TWO INTO CHANNEL. FOLLOW REQUIREMENTS OF UNIMAST TECHNICAL MANUAL.
12. ATTACH ALL SIMPSON TIES AS DETAILED AND NOTED IN SIMPSON TECHNICAL MANUALS, PROVIDE #10 SCREW OR NAIL ATTACHMENT AS SPECIFIED.

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

10-BED FACILITY

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A. NOTES:

1. APPLICABLE CODES: STANDARD BUILDING CODE - 1996/1997 EDITION
   STANDARD MECHANICAL CODE - 1996/1997 EDITION
   W/ LOCAL AUTHORITY AMENDMENTS - LATEST EDITION
   STANDARD PLUMBING CODE - 1996/1997 EDITION
   W/ LOCAL AUTHORITY AMENDMENTS - LATEST EDITION
   NATIONAL ELECTRICAL CODE - 1996/1997 EDITION
   W/ LOCAL AUTHORITY AMENDMENTS - LATEST EDITION
   NFPA 101 - 1997 EDITION

2. USE: 70-BED HEALTH CARE FACILITY

3. OCCUPANCY: INSTITUTIONAL - UNRESTRAINED

4. TYPE OF CONTRUCTION: TYPE V - 1 HR. PROTECTED
   FULLY SPRINKLERED (SBC)
   NFPA-13 WITH QUICK RESPONSE HEADS

5. CONSTRUCTION:
   A.) FLOORS - 4" CONCRETE SLAB ON GRADE.
   B.) EXTERIOR BEARING WALLS - 1 5/8" x 3 5/8" METAL STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE. U.L. ASSEMBLY U-425 1-HR.
   C.) INTERIOR BEARING WALLS - 1 5/8" x 3 5/8" METAL STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE / U.L. ASSEMBLY U-425 1-HR.
   D.1) INTERIOR RATED NON-BEARING PRIORITY WALLS - 2" x 4" WOOD STUDS W/ 5/8" FIRECODE GWB. ON EACH SIDE / U.L. ASSEMBLY U-305 1-HR. THESE WALLS ARE MARKED AS 1-HOUR PRIORITY WALLS ON THE FLOOR PLAN.
   D.2) INTERIOR NON-RATED NON-BEARING WALLS - 2" x 4" WOOD STUDS W/ 5/8" FIRECODE GWB ON EACH SIDE.
   E) CANOPY COLUMNS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / MODIFIED U.L. ASSEMBLY X-528 1-HR.
   F) CANOPY BEAMS - DOUBLE LAYER 5/8" FIRECODE GWB WRAP / MODIFIED U.L. ASSEMBLY N-507 1-HR.
   G) CEILING - MANUFACTURED WOOD TRUSSES W/ PLYWOOD DECK AND FIBERGLASS CLASS "A" SHINGLES / FIRE PROTECTION TO BE TWO LAYERS 5/8" FIRECODE GWB CEILING THROUGHOUT / CEILING HUNG REGISTER OPENINGS TO BE PROTECTED W/U.L. RADIATION DAMPERS / GYPSUM ASSOCIATION RC 2601

6. ALLOWABLE BUILDING AREA: 1996/1997 STANDARD BUILDING CODE
   TABLE 500 / INSTITUTIONAL UNRESTRAINED / TYPE V PROTECTED / FULLY SPRINKLED - 31500 S.F.
   PROPOSED BUILDING AREA: 31,239 S.F.

7. SMOKE COMPARTMENT: EACH COMPARTMENT LESS THAN 22,500 S.F.

8. SMOKE COMPARTMENT "C" IS GREATER THAN 9,000 S.F. THEREFORE, AN ATTIC DRAFTSTOP IS PROVIDED.

9. TRAVEL DISTANCES: ALL TRAVEL DISTANCES LESS THAN 200 FEET (SPRINKLED).

10. FIRE EXTINGUISHERS: PORTABLE FIRE EXTINGUISHERS INSTALLED THROUGHTOUT THE BUILDING SO AS NOT TO EXCEED 75' OF TRAVEL TO REACH AND WITHIN 25' OF EACH EXIT WAY.

11. FIRE EXTINGUISHERS TYPES: TYPE 'A' - 10 LB. 4A:60: B:C (FULLY RECESSED)
    TYPE 'B' - 20 LB. BC 120 B:C (NOT RECESSED)
    TYPE 'C' - 10 LB. 4A:60: B:C (NOT RECESSED)

B. SEPARATION SYSTEMS

1. ONE-HOUR RATED SMOKE / FIRE PARTITION

   THIS SYMBOL INDICATES ONE HOUR RATED SMOKE PARTITIONS. THIS WALL MAY OR MAY NOT BE LOAD BEARING AND IS CONSTRUCTED OF WALL TYPES INDICATED ON THE FLOOR PLANS. THIS PARTITION SHALL BE CONSTRUCTED CONTINUOUS FROM FLOOR SLAB TO UNDERSIDE OF ROOF DECK ABOVE AND FROM OUTSIDE TO OUTSIDE FACE OF EXTERIOR WALLS. ALL OPENINGS IN THESE PARTITIONS SHALL BE FILLED WITH APPROVED NON-COMBUSTIBLE MATERIALS RESISTANT TO THE PASSAGE OF SMOKE. PENETRATIONS OF THESE PARTITIONS SHALL BE SEALED PER APPROVED DETAILS. THIS PARTITION TYPE SHALL BE CONSTRUCTED AS A PRIORITY WALL, UNINTERRUPTED BY ANY OTHER PARTITION.

2. ONE-HOUR RATED PARTITIONS

   THIS SYMBOL INDICATES ONE HOUR RATED SEPERATION PARTITIONS AT HAZARDOUS AREAS AND SHAFT ENCLOSURES AS INDICATED ON THE FLOOR PLANS. THIS WALL MAY BE BEARING OR NON-BEARING AND IS CONSTRUCTED OF WALL TYPES INDICATED ON THE FLOOR PLANS. THIS PARTITION SHALL BE CONSTRUCTED CONTINUOUS FROM FLOOR SLAB TO UNDERSIDE OF CEILING ABOVE. ALL OPENINGS IN THESE PARTITIONS SHALL BE FILLED WITH APPROVED NON-COMBUSTIBLE MATERIALS RESISTANT TO THE PASSAGE OF SMOKE. PENETRATIONS OF THESE PARTITIONS SHALL BE SEALED PER APPROVED DETAILS.

3. EXIT ACCESS (CORRIDOR) PARTITIONS

   THIS WALL MAY BE BEARING OR NON-BEARING AND IS CONSTRUCTED OF WALL TYPES INDICATED ON THE FLOOR PLANS. THIS PARTITION SHALL BE CONSTRUCTED CONTINUOUS FROM FLOOR SLAB TO UNDERSIDE OF GYPSUM MEMBRANE CEILING ABOVE. ALL OPENINGS IN THESE PARTITIONS SHALL BE FILLED WITH APPROVED NON-COMBUSTIBLE MATERIALS RESISTANT TO THE PASSAGE OF SMOKE. PENETRATIONS OF THESE PARTITIONS SHALL BE SEALED PER APPROVED DETAILS.

C. LIFE SAFETY DATA: (70-BED NEW FACILITY)

1. APPLICABLE CODES: STANDARD BUILDING CODE 1996/1997 EDITION
   NFPA 101, FIRE SAFETY CODE, 1996/1997 EDITION
2. EGRESS CAPACITY: NFPA 101, SECTION 12-2.3.2.
   .2 PER PERSON FOR HORIZONTAL TRAVEL W/O STAIRS
3. OCCUPANT LOAD: NFPA 101, SECTION 12-1.7
   BASED ON 120 SF./PERSON - SLEEPING AREAS
   BASED ON 240 SF./PERSON - TREATMENT AREAS
   BASED ON 15 SQFT./PERSON - DINING ROOM

SMOKE COMPART.	MAXIMUM OCCUPANCY LOAD	CORRIDOR EGRESS PROVIDED FOR	EXIT DOORS PROVIDED FOR
SC- A	3,993 S.F. / 120 = 33	96" CLEAR / .2 = 480 PEOPLE	42" CLEAR / .2 = 210 PEOPLE
SC- B	6,579 S.F. / 120 = 55	96" CLEAR / .2 = 480 PEOPLE	42" CLEAR / .2 = 210 PEOPLE
SC- C	12,503 S.F. / 120 = 104	96" CLEAR / .2 = 480 PEOPLE	42" CLEAR / .2 = 210 PEOPLE
SC- D	8,164 S.F. / 120 = 68	96" CLEAR / .2 = 480 PEOPLE	42" CLEAR / .2 = 210 PEOPLE
	TOTAL 31239 S.F. = 260		

D. BUILDING DATA: (70-BED NEW FACILITY)

1. OCCUPANCY: INSTITUTIONAL - UNRESTRAINED

2. BEDROOM MIX:

   N.H. BEDS: 4 PVT. BRS. = 4 BEDS
   33 SEMI-PVT. BRS. = 66 BEDS
   TOTAL N.H. BEDS = 70 BEDS

   ALL PRIVATE BEDROOMS EXCEED 100 SF.
   ALL SEMI-PRIVATE BEDROOMS EXCEED 160 S.F.

3. HANDICAPPED ACCESSIBILITY:
   ALL BEDROOMS ARE TO BE HANDICAPPED ACCESSIBLE.

4. BATHING FIXTURES:

   BATH # 38 : TWO SHOWERS AND ONE THERAPEUTIC TUB
   BATH # 53 : ONE SHOWER AND ONE THERAPEUTIC TUB
   TOTAL BATHING FIXTURES = 5

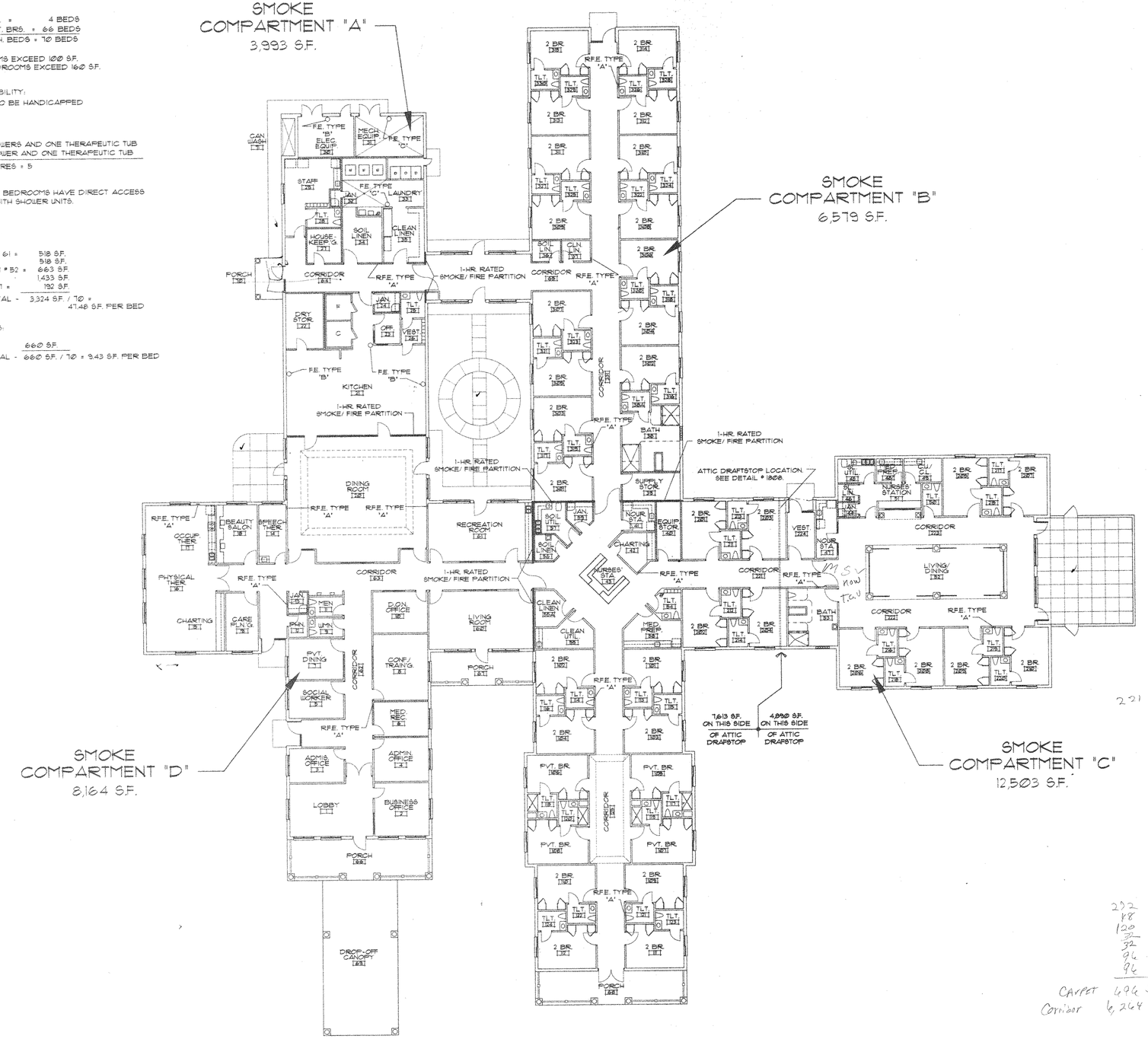
   * ALSO, ALL PRIVATE BEDROOMS HAVE DIRECT ACCESS TO TOILET ROOMS WITH SHOWER UNITS.

E. COMMON SPACE AREAS:

RECREATION ROOM # 61 =	518 S.F.
LIVING ROOM # 60 =	518 S.F.
LIVING/ DINING ROOM # 52 =	663 S.F.
DINING ROOM # 120 =	1,433 S.F.
PVT. DINING ROOM # 71 =	192 S.F.
TOTAL -	3,324 S.F. / 70 = 47.48 S.F. PER BED

F. STORAGE SPACE AREAS:

EXT. STORAGE BLDG. - 660 S.F.
TOTAL - 660 S.F. / 70 = 9.43 S.F. PER BED



LS101 **FLOOR PLAN** LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

221

222
48
120
32
96
96

CARPET 496 SQ Yd
Corridor 6,264 SQ FT

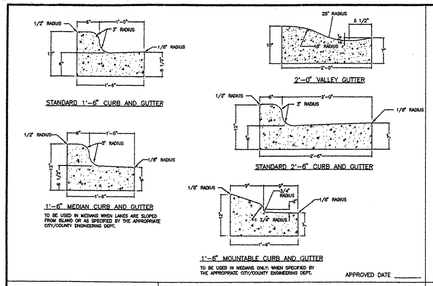
DAVID R. POLSTON
REGISTERED ARCHITECT
No. 10000
NORTH CAROLINA
WILMINGTON, N. C.

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

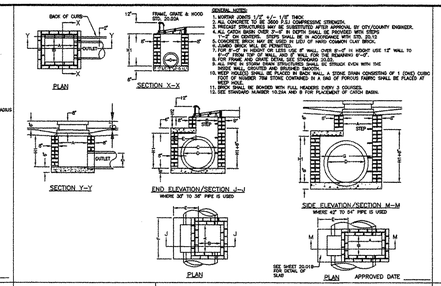
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

70-BED FACILITY

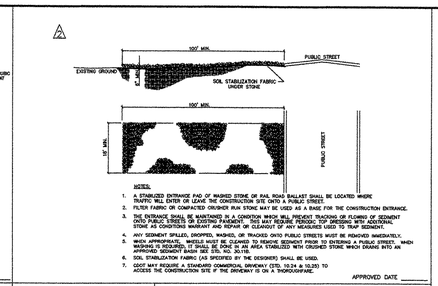
LS 1



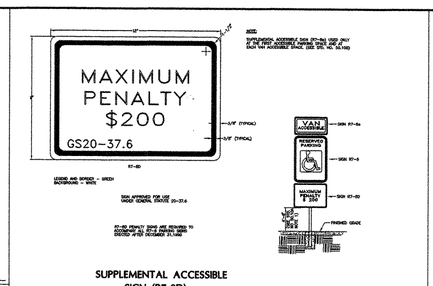
CURB AND GUTTER

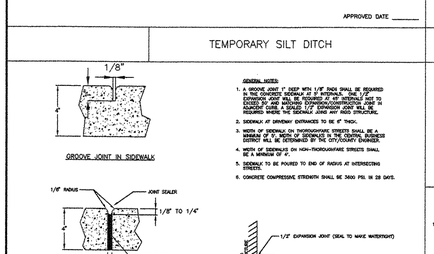


BRICK CATCH BASIN
15" THRU 54" PIPE



STABILIZED CONSTRUCTION ENTRANCE





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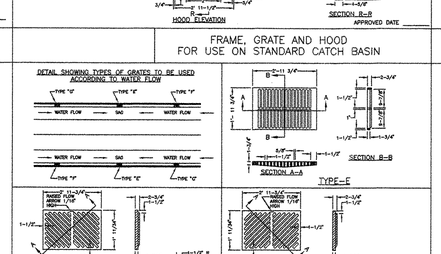
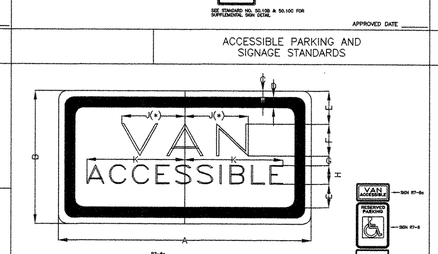
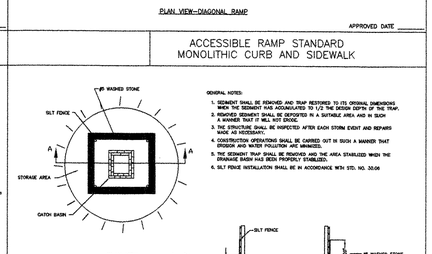


BRICK CATCH BASIN
15" THRU 54" PIPE



TEMPORARY SILT FENCE



RISER TYPE SEDIMENT BASIN

TEMPORARY SILT DITCH

FRAME, GRATE AND HOOD
FOR USE ON STANDARD CATCH BASIN

ACCESSIBLE PARKING AND
SIGNAGE STANDARDS

ACCESSIBLE RAMP STANDARD
MONOLITHIC CURB AND SIDEWALK

CONCRETE SIDEWALKS

FRAME, GRATE AND HOOD
FOR USE ON STANDARD CATCH BASIN

SUPPLEMENTAL ACCESSIBLE
SIGN (R7-8a)

SILT FENCE
STORM INLET SEDIMENT TRAP

BACKFLOW PREVENTION ASSEMBLY

MANHOLE FRAME AND COVER

SANITARY SEWER LATERAL

6" DOUBLE CHECK VALVE

THIS DRAWING IS THE PROPERTY OF BURTON ENGINEERING ASSOCIATES AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR ANY OTHER PROJECT AND IS TO BE RETURNED UPON REQUEST.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 12557 7-19-00 CARLTON Y. BURTON

BURTON ENGINEERING ASSOCIATES
CIVIL ENGINEERS
LAND PLANNERS
5970 Fairview Road - Suite 100 - Charlotte, NC 28210
(704) 553-8881 - Fax (704) 553-8660

Project: CABARRUS COUNTY NURSING FACIITY

Sheet Title: SITE DETAILS

CTB
Engineer
JRD
Drawn By
03/02/00
Date

Revisions
05/19/00 REVD. SILT FENCE DETAIL & CONST. ENTRANCE DETAIL
06/8/00 ADDED NOTE ON SEDIMENT DETAIL

Project Number
273-001

Sheet C4 of C5

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NORTH CAROLINA BUILDING CODE SUMMARY

70-BED NURSING FACILITY

APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS

Name of Project: CABARRUS COUNTY NURSING FACILITY

Address: ROBERTA RD. - HARRISBURG, NORTH CAROLINA

Proposed Use: 70 BED NURSING FACILITY

Owner / (Contact Person) LARRY WILLIAMS Phone (706) 886-8493

Code Enforcement Jurisdiction:

DESIGNER OF RECORD:

DESIGNER	NAME	LICENSE NO.	TELEPHONE NO
Architectural	DAVID R. POLSTON	3275	(910) 350-8900
Electrical	EDGAR HAYES	022466	(910) 799-1484
Plumbing	JAMES BENSON	10592	(910) 791-4000
Mechanical	JAMES BENSON	10592	(910) 791-4000
Structural	NEIL KUPLIC	20295	(919) 408-0563
Sprinkler-Standpipe	DESIGN / BUILD BY SPRINKLER CONTRACTOR		
Fire Alarm	EDGAR HAYES	022466	(910) 799-1484
Other			

BUILDING DATA:

Occupancy:

☐ Assembly ☐ Business ☐ Educational ☐ Merchantile
☐ Hazardous ☐ Factory-industrial ☒ Institutional (unrestrained)
☐ Institutional (restrained) Use Condition
☐ Residential ☐ Storage

Mixed Occupancy? Yes ____ No X Separation: ____ Hr.

Construction Type: I ☐ II ☐ III ☐ IV(P) ☐ IV(UP) ☐
V(P) ☒ V(UP) ☐ VI(P) ☐ VI(UP) ☐

Mixed Construction ____ Yes ____ (No) Type ____

Sprinkled? Yes X No ____ (13) 13R 13D):

Fire District? Yes ____ No X

Building Height: 18 Feet ONE Number of Stories

Mezzanine? Yes ____ No X

High Rise? Yes ____ No X

Gross Building Area:

Floor:	Footprint (sq. ft.)		Footprint (sq. ft.)
Basement		4th Floor	
1st Floor	30,7959F.	5th Floor	
2nd Floor		6th Floor	
3rd Floor		7th Floor	

Total Gross Area: 30,7959F. sq. ft.

Area Increase? Yes ____ No X (If yes), Code Reference: ____

(If yes), Calculations: ____

FIRE RESISTANCE RATINGS [3]

	Required Hourly [2]	Detail no. & Sheet no.	% Wall Opening [1]	Design No. for Rated Assemblies
Party/Firewalls:	N/A			
Exterior bearing Walls:				
North	1-HR	* 1505/A-15		U-425
East	1-HR	* 1505/A-15		U-425
West	1-HR	* 1505/A-15		U-425
South	1-HR	* 1505/A-15		U-425
Exterior non-bearing Walls:				
North	1-HR	* 1505/A-15		U-425
East	1-HR	* 1505/A-15		U-425
West	1-HR	* 1505/A-15		U-425
South	1-HR	* 1505/A-15		U-425
Interior Walls:				
Bearing	1-HR			U-425
Non-Bearing	0			
Tenant Separation	N/A			
Ceiling-Floors Assembly:	4" CONC. SLAB ON GRADE			
Beams:	1 HR.	* 1601/A-16		N-80(SIM.)
Columns:	1 HR.	* 1601/A-16		X-528
Ceiling-Roof Assembly:	1 HR. 2 HR. RADIATION			
Vertical Shafts:	N/A			
Chases-P.E.M.:	N/A			
Mixed Occupancy Separation:	N/A			
Tenant Separation:	N/A			

LIFE SAFETY SYSTEM:

Emergency Lighting and Exit Signs: Yes X No ____
Fire Alarm and Smoke Detection Systems Yes X No ____
Panic Hardware: Yes ____ No X

EXIT REQUIREMENTS:

Dead end limit-maximum condition ____ 0 ____ Feet
Travel distance to exit-maximum condition ____ 150 ____ Feet
Number of exits:
Total Square footage of floor 30,7959F. divided by net/sq. ft. per-occupancy 120 = 257 Total number of people on floor.
Number of doors provided 10 number of doors required 2

FOOTNOTES:
1. Required if wall to property line or assumed line is less than 30 feet.
2. All fire rated walls shall be identified on plans by hatching, shading, etc.; show legend.
3. Identify code section when using any special exceptions, etc.
4. Stairs, elevators and/or atrium.
5. Deatils of Reproductions of rated assemblies/penetrations shall be incorporated on the drawings.

DESIGN LOADS:
Roof Live Load: 16 psf
Wind: Zone: 90 mph Importance Factor: 1.00
ASCE-7 93 Exposure: C
Snow: 10 psf
Lateral design Control: Seismic Wind XX
Basic Structural System: Light Framed walls with X Bracing and sheathing resistance

Calculated Wind Base Shears (for MWFRS): V_x = 124,512# V_y = 119,563#
Calculated Seismic Base Shear: V = 23,793# ELF Procedure

SEISMIC PERFORMANCE CATEGORY A:
(Compliance with Section 1607.3.6.1.1 Ties and continuity? YES

SEISMIC PERFORMANCE CATEGORY B & C:
Effective peak velocity-related acceleration: A_v= 0.10
Peak acceleration coefficient: A_a= 0.10
Seismic Hazard Exposure Group: SHEG= II
Seismic Performance Category: SPC= C
Site Coefficient: S=N/A
Response Modification factor: R_x= R_z= 6 1/2
Deflection Amplification factor: C_d= 4
Building Height limit, feet: NL

Architectural Components required to be anchored per force $A_pC_pW_p$? YES (See 1607.5) (By Others) C_p = see table 1607.6.3; P = see table 1607.6.3
Mech. and Elect. Components required to be anchored per force $A_pC_pW_p$? YES (See 1607.6.4) C_p = see table 1607.6.4A; P = see table 1607.6.4A; a_p = see table 1607.6.4B

SOIL BEARING CAPACITIES:
Field Test (N/A)
Presumptive Bearing Capacity 2000 psf
Pile size, type, and capacity (N/A)

WIND ANALYSIS:
BASIC DESIGN WIND PRESSURE q = 13.11 PSF
TYPICAL TRUSS UPLIFT = 2738 (Simpson H2.5 = 415# capacity)

PARKING SPACES: ____ 2 ____ **REQUIRED** ____ 2 ____ **PROVIDED**
Handicap Spaces: ____ 3 ____ Provided (13' wide and R7-8 sign)

Special Approval by Department of Insurance or by Local Jurisdiction, describe below:

ENERGY REQUIRMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet and shall sign the Designer's statement for the appropriate portion, as required by G.S. 143-151.33. If energy cost budget method, state the annual energy cost budget vs. allowable annual cost budget.

THERMAL ENVELOPE:

METHOD OF COMPLIANCE:
Prescriptive ☒ Performance ☐ Energy Cost Budget ☐

Roof/Ceiling Assembly (each assembly)
Description of assembly GWB, WOOD TRUSSES, DECKING, SHINGLES
U-Value of total assembly .0316
R-Value of insulation 30
Skylights in each assembly NOT APPLICABLE
U-Value of skylight
total square footage of skylights in each assembly

Exterior Walls (each assembly)
Description of assembly BRICK, METAL STUDS, GWB.
U-Value of total assembly .1208
R-Value of insulation 13
Openings (windows or doors w/ glazing)
U-Value of assembly .055
shading coefficient N/A
projection factor N/A
low e required, if applicable N/A
Door R-Values 2.1

Walls adjacent to unconditioned space (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation
Openings (windows or doors w/ glazing)
U-Value of assembly
low e required, if applicable
Door R-Values

Walls below grade (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation

Floors over unconditioned space (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation

Floors - slab on grade
Description of assembly CONC. SLAB ON GRADE
U-Value of total assembly N/A
R-Value of insulation 5
Horizontal/Vertical Requirment 24' HORIZONTAL, 16' VERTICAL
Slab Heated

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the thermal envelope requirments of the North Carolina State Building Code, Volume X - Energy.

SIGNED: David R Polston
NAME: DAVID R. POLSTON
TITLE: ARCHITECT

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
METHOD OF COMPLIANCE
Prescriptive ☒ Energy Cost Budget ☐

Thermal Zone V
Exterior design conditions
winter dry bulb 18°
summer dry bulb 94°
Interior design conditions
winter dry bulb 75°
summer dry bulb 75°
relative humidity 50%
Building heating load 621.4 MBH
Building cooling load 65.9 TONS
Mechanical Spacing Conditioning System
Unitary
description of unit SEE SCHEDULES THIS SHEET
heating efficiency SEE SCHEDULES THIS SHEET
cooling efficiency SEE SCHEDULES THIS SHEET
heat output of unit SEE SCHEDULES THIS SHEET
cooling output of unit SEE SCHEDULES THIS SHEET
boiler
total boiler output. If oversized, state reason. N/A
chiller
total chiller capacity. If oversized, state reason. N/A
List equipment efficiencies
Equipment schedules with motors (mechanical systems)
motor horsepower N/A
number of phases
minimum efficiency
motor type
of poles

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

SIGNED: James R Benson, III
NAME: JAMES R. BENSON, III
TITLE: MECHANICAL ENGINEER

ELECTRIC SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE
PRESCRIPTIVE ☐ PERFORMANCE ☑ ENERGY COST BUDGET ☐

PROVIDE A STANDARD RISER DIAGRAM WHICH INDICATES DESIGNATED POINTS FOR CHECK METERING.
PROVIDE A STANDARD PANEL SCHEDULE DESCRIPTION WHICH IDENTIFIES DIFFERENT END USE LOADS.

LIGHTING SCHEDULE
LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN THE FIXTURE — SEE LIGHTING FIXTURE SCHEDULE ON DRAWINGS
TOTAL WATTAGE PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED

EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)
MOTOR HORSEPOWER
NUMBER OF PHASES
MINIMUM EFFICIENCY N/A
MOTOR TYPE
OF POLES

DESIGNER STATEMENT
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, VOLUME X-ENERGY.

SIGNED Glenna Kelley
NAME American Fire Tech.
TITLE Designer

STORAGE BUILDING

APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS

Name of Project: CABARRUS COUNTY NURSING FACILITY

Address: ROBERTA RD. - HARRISBURG, NORTH CAROLINA

Proposed Use: STORAGE BUILDING

Owner / (Contact Person) LARRY WILLIAMS Phone (706) 886-8493

Code Enforcement Jurisdiction:

DESIGNER OF RECORD:

DESIGNER	NAME	LICENSE #	TELEPHONE #
Architectural	DAVID R. POLSTON	3275	(910) 350-8900
Electrical	EDGAR HAYES	022466	(910) 799-1484
Plumbing	JAMES BENSON	10592	(910) 791-4000
Mechanical	JAMES BENSON	10592	(910) 791-4000
Structural	NEIL KUPLIC	20295	(919) 408-0563
Sprinkler-Standpipe	N/A		
Fire Alarm	N/A		
Other			

BUILDING DATA:

Occupancy:

☐ Assembly ☐ Business ☐ Educational ☐ Merchantile
☐ Hazardous ☐ Factory-industrial ☐ Institutional (unrestrained)
☐ Institutional (restrained) Use Condition
☐ Residential ☒ Storage

Mixed Occupancy? Yes ____ No X Separation: ____ Hr.

Construction Type: I ☐ II ☐ III ☐ IV(P) ☐ IV(UP) ☐
V(P) ☐ V(UP) ☐ VI(P) ☐ VI(UP) ☒

Mixed Construction ____ Yes ____ No X Type ____

Sprinkled? Yes ____ No X (13 13R 13D): ____

Fire District? Yes ____ No X

Building Height: 16 Feet ONE Number of Stories

Mezzanine? Yes ____ No X

High Rise? Yes ____ No X

Gross Building Area:

Floor:	Footprint (sq. ft.)		Footprint (sq. ft.)
Basement		4th Floor	
1st Floor	985 SF.	5th Floor	
2nd Floor		6th Floor	
3rd Floor		7th Floor	

Total Gross Area: 985 SF. sq. ft.

Area Increase? Yes ____ No X (If yes), Code Reference: ____

(If yes), Code Reference: ____

FIRE RESISTANCE RATINGS [3]

	Required Hourly [2]	Detail no. & Sheet no.	% Wall Opening [1]	Design No. for Rated Assemblies
Party/Firewalls:	N/A			
Exterior bearing Walls:				
North	0	2006/A-20		
East	0	2006/A-20		
West	0	2006/A-20		
South	0	2006/A-20		
Exterior non-bearing Walls:				
North	0	2006/A-20		
East	0	2006/A-20		
West	0	2006/A-20		
South	0	2006/A-20		
Interior Walls:				
Bearing	0			
Non-Bearing	0			
Tenant Separation	0			
Ceiling-Floors Assembly:	N/A			
Beams:	N/A			
Columns:	0			
Ceiling-Roof Assembly:	N/A			
Vertical Shafts:	N/A			
Chases-P.E.M.:	N/A			
Mixed Occupancy Separation:	N/A			
Tenant Separation:	N/A			

LIFE SAFETY SYSTEM:

Emergency Lighting and Exit Signs: Yes ____ No X
Fire Alarm and Smoke Detection Systems Yes ____ No X
Panic Hardware: Yes ____ No X

EXIT REQUIREMENTS:

Dead end limit-maximum condition ____ N/A ____ Feet
Travel distance to exit-maximum condition ____ N/A ____ Feet
Number of exits:
Total Square footage of floor N/A divided by net/sq. ft. per-occupancy N/A = N/A Total number of people on floor.
Number of doors provided 3 number of doors required 1

FOOTNOTES:
1. Required if wall to property line or assumed line is less than 30 feet.
2. All fire rated walls shall be identified on plans by hatching, shading, etc., show legend.
3. Identify code section when using any special exceptions, etc.
4. Stairs, elevators and/or atrium.
5. Deatils of Reproductions of rated assemblies/penetrations shall be incorporated on the drawings.

DESIGN LOADS:
Roof Live Load: 16 psf
Wind: Zone: 90 mph Importance Factor: 1.00
ASCE-7 93 Exposure: C
Snow: 10 psf
Lateral design Control: Seismic Wind XX
Basic Structural System: Light Framed walls with X Bracing and sheathing resistance

Calculated Wind Base Shears (for MWFRS): V_x = 4,175# V_y = 11,402#
Calculated Seismic Base Shear: V = 561# ELF Procedure

SEISMIC PERFORMANCE CATEGORY A:
(Compliance with Section 1607.3.6.1.1 Ties and continuity? YES

SEISMIC PERFORMANCE CATEGORY B & C:
Effective peak velocity-related acceleration: A_v= 0.10
Peak acceleration coefficient: A_a= 0.10
Seismic Hazard Exposure Group: SHEG= I
Seismic Performance Category: SPC= C
Site Coefficient: S=N/A
Response Modification factor: R_x= R_z= 6 1/2
Deflection Amplification factor: C_d= 4
Building Height limit, feet: NL

Architectural Components required to be anchored per force $A_pC_pW_p$? NO (See 1607.5) (By Others) C_p = see table 1607.6.3; P = see table 1607.6.3
Mech. and Elect. Components required to be anchored per force $A_pC_pW_p$? NO (See 1607.6.4) C_p = see table 1607.6.4A; P = see table 1607.6.4A; a_p = see table 1607.6.4B

SOIL BEARING CAPACITIES:
Field Test (N/A)
Presumptive Bearing Capacity 2000 psf
Pile size, type, and capacity (N/A)

WIND ANALYSIS:
BASIC DESIGN WIND PRESSURE q = 13.11 PSF

PARKING SPACES: ____ N/A ____ **REQUIRED** ____ N/A ____ **PROVIDED**
Handicap Spaces: ____ N/A ____ Provided (13' wide and R7-8 sign)

Special Approval by Department of Insurance or by Local Jurisdiction, describe below:

ENERGY REQUIRMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet and shall sign the Designer's statement for the appropriate portion, as required by G.S. 143-151.33. If energy cost budget method, state the annual energy cost budget vs. allowable annual cost budget.

THERMAL ENVELOPE:

METHOD OF COMPLIANCE:
Prescriptive ☒ Performance ☐ Energy Cost Budget ☐

Roof/Ceiling Assembly (each assembly)
Description of assembly GWB, WOOD TRUSSES, DECKING, SHINGLES
U-Value of total assembly .0316
R-Value of insulation 30
Skylights in each assembly NOT APPLICABLE
U-Value of skylight
total square footage of skylights in each assembly

Exterior Walls (each assembly)
Description of assembly BRICK, WOOD STUDS, GWB.
U-Value of total assembly .1208
R-Value of insulation 11
Openings (windows or doors w/ glazing)
U-Value of assembly .055
shading coefficient N/A
projection factor N/A
low e required, if applicable N/A
Door R-Values 2.1

Walls adjacent to unconditioned space (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation
Openings (windows or doors w/ glazing)
U-Value of assembly
low e required, if applicable
Door R-Values

Walls below grade (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation

Floors over unconditioned space (each assembly) NOT APPLICABLE
Description of assembly
U-Value of total assembly
R-Value of insulation

Floors - slab on grade
Description of assembly CONC. SLAB ON GRADE
U-Value of total assembly N/A
R-Value of insulation 5
Horizontal/Vertical Requirment 24' HORIZONTAL, 16' VERTICAL
Slab Heated

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the thermal envelope requirments of the North Carolina State Building Code, Volume X - Energy.

SIGNED: David R Polston
NAME: DAVID R. POLSTON
TITLE: ARCHITECT

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
METHOD OF COMPLIANCE
Prescriptive ☒ Energy Cost Budget ☐

Thermal Zone V
Exterior design conditions
winter dry bulb 18°
summer dry bulb 94°
Interior design conditions
winter dry bulb 75°
summer dry bulb 75°
relative humidity 50%
Building heating load .8 MBH
Building cooling load .8 TONS
Mechanical Spacing Conditioning System
Unitary
description of unit SEE SCHEDULES THIS SHEET
heating efficiency SEE SCHEDULES THIS SHEET
cooling efficiency SEE SCHEDULES THIS SHEET
heat output of unit SEE SCHEDULES THIS SHEET
cooling output of unit SEE SCHEDULES THIS SHEET
boiler
total boiler output. If oversized, state reason. N/A
chiller
total chiller capacity. If oversized, state reason. N/A
List equipment efficiencies
Equipment schedules with motors (mechanical systems)
motor horsepower N/A
number of phases
minimum efficiency
motor type
of poles

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

SIGNED: James R Benson, III
NAME: JAMES R. BENSON, III
TITLE: MECHANICAL ENGINEER

ELECTRIC SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE
PRESCRIPTIVE ☐ PERFORMANCE ☑ ENERGY COST BUDGET ☐

PROVIDE A STANDARD RISER DIAGRAM WHICH INDICATES DESIGNATED POINTS FOR CHECK METERING.
PROVIDE A STANDARD PANEL SCHEDULE DESCRIPTION WHICH IDENTIFIES DIFFERENT END USE LOADS.

LIGHTING SCHEDULE
LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN THE FIXTURE — SEE LIGHTING FIXTURE SCHEDULE ON DRAWINGS
TOTAL WATTAGE PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED

EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)
MOTOR HORSEPOWER
NUMBER OF PHASES
MINIMUM EFFICIENCY N/A
MOTOR TYPE
OF POLES

DESIGNER STATEMENT
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, VOLUME X-ENERGY.

SIGNED Glenna Kelley
NAME American Fire Tech.
TITLE Designer

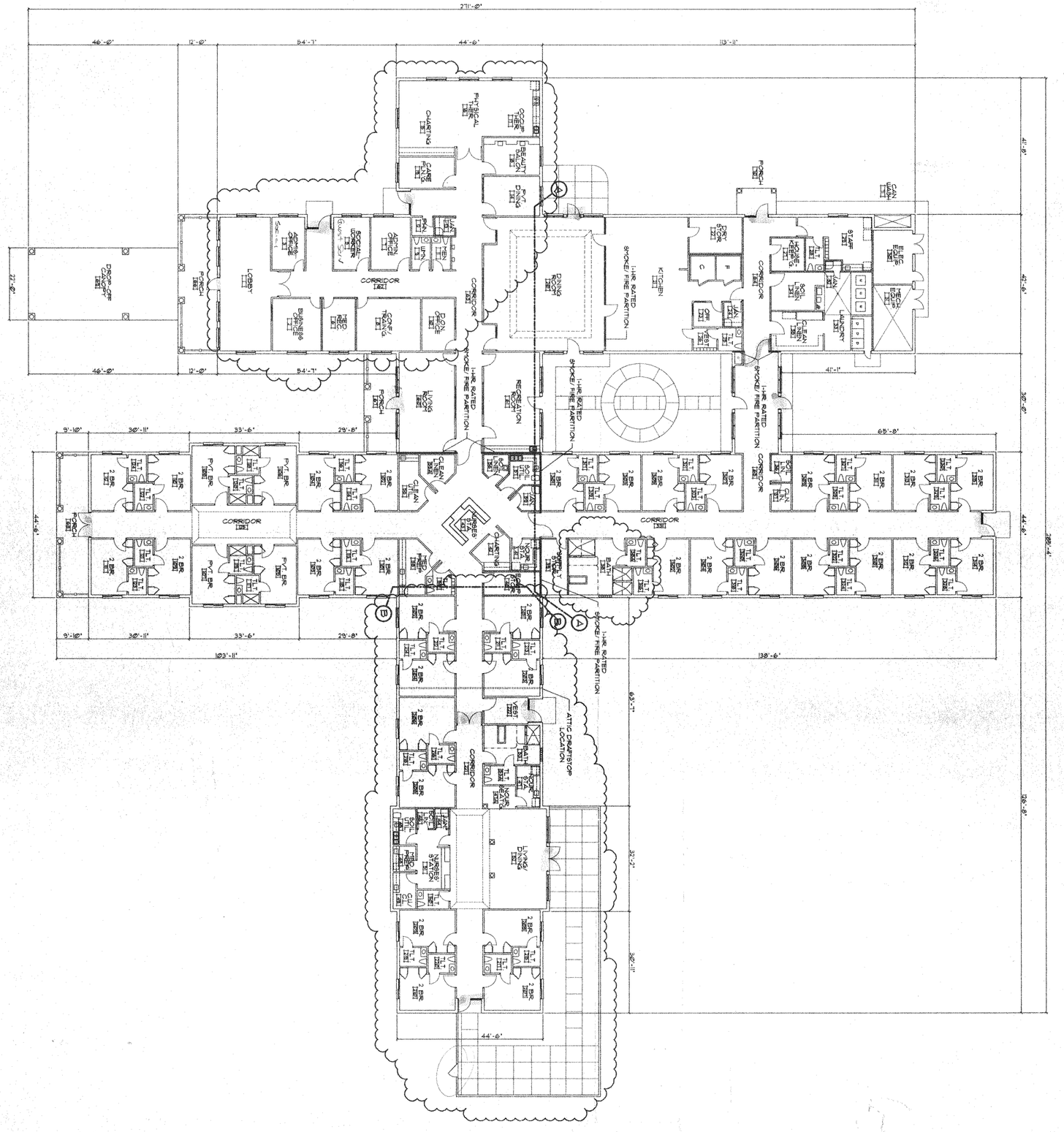
DAVID R. POLSTON REGISTERED ARCHITECT 3275 NORTH CAROLINA WILMINGTON, N. C.

CABARRUS COUNTY NURSING FACILITY
Cabarrus, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

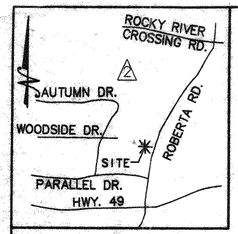
70-BED FACILITY

2 T



(1) FLOOR PLAN
SCALE: 1/16" = 1'-0"
COMPOSITE PLAN

1 A	70-BED FACILITY REVISED : 8-5-00 PER OWNER CHANGES	**David R. Polston - Architect** 3806 Park Ave. Suite 2-L, Wilmington, NC 28403 Architecture Planning Design	**CABARRUS COUNTY NURSING FACILITY** Cabarrus, North Carolina	



LEGEND

EXISTING CONTOURS	
PROPOSED CONTOURS	
BREAK POINT	BP
PROP. ELEV	604.5 77.3
DENUDED AREA	
SILT FENCE	
TOP OF WALL	TW
BOTTOM OF WALL	BW
PROPOSED RETAINING WALL	
PROPOSED CONCRETE	
DIVERSION DITCH	
STORM INLET PROTECTION	

SEDIMENT BASIN DESIGN DATA

BASIN #1	
DENUDED AREA	4.4 AC
DRAINAGE AREA	6.4 AC
Q_{10} =CIA	22.4 CFS
STORAGE REQ'D.	11,520 CF
STORAGE PROVIDED	11,628 CF
BOTTOM DIM'S	38 FT X 82 FT
TOP OF DAM DIM'S	56 FT X 100 FT
WEIR WIDTH	6 FT
WEIR DEPTH	1.0 FT
WEIR LENGTH	10 FT
BOTTOM ELEV	574
TOP ELEV	579
MAXIMUM SED. DEPTH	3 FT
RISER DIA.	30 IN
BARREL DIA.	24 IN
LENGTH OF BARREL	24 FT
TOP OF RISER	577
EMS ELEV.	578
CONCRETE ANCHOR DIM.	3 FT X 3 FT
TOP OF DAM WIDTH	26 FT

RIP RAP APRON DIMENSION DATA

STRUCTURE NO.	Q-FLOW	DIA. OF PIPE	OUTLET VEL.(FPS)	ZONE	APRON LENGTH	APRON WIDTH	APRON THICK	STONE CLASS
FES-17	37.9	30"	8.0	2	15 FT.	17.5 FT	12"	B
FES-6 RISER	15.4	24"	4.90	1	5 FT.	10 FT	9"	A

STORM DRAINAGE DESIGN DATA SHEET:

DATE: 5-25-99
PROJECT: CABARRUS COUNTY NURSING FACILITY
REVISED: 10-31-00
LOCATION: HARRISBURG, NC
JOB NO: 273-001
STORM FREQUENCY: 10 YEAR OFFSITE C=0.40 ON SITE C=0.95 I=6.8 IN/HR
CTB

PIPE: CLASS III RCP (UNO)

LINE FROM	LINE TO	AREA (AC.) SUBTOT.	AREA (AC.) TOTAL	COEF. C	Q (CFS) CIA	N	% SLOPE	FT. LENGTH	IN. SIZE	UP.ST.INV.	DWN.ST.INV.	VEL.(FPS)	GR.EL./ RIM EL. STRUCT. - ELEV.	REMARKS
DI-1	CB-2	1.73	1.73	0.40	4.7	0.12	0.5	54	15	80.25	79.98		DI-1 82.5	
AD-2B	AD-2A	.01	.01	0.95	.06		0.5	35	12	82.5	82.33		AD-2B 85.5	DIP
AD-2A	AD-2F	.01	.02	0.95	.12		0.5	40	12	82.13	81.93		AD-2A 85.5	DIP
AD-2D	AD-2C	.01	.01	0.95	.06		0.5	35	12	82.5	82.33		AD-2D 85.5	DIP
AD-2C	AD-2E	.01	.02	0.95	.12		0.5	40	12	82.13	81.93		AD-2C 85.5	DIP
AD-2E	AD-2F	.01	.03	0.95	.18		0.5	15	12	81.73	81.65		AD-2E 85.5	DIP
AD-2F	CB-2	.01	.06	0.95	.40		0.5	60	12	81.45	81.15		AD-2F 85.5	DIP
CB-2	CB-3	.32	2.08	0.95	13.2		0.5	132	18	79.73	79.07		CB-2 84.5	
CB-3	DI-5	.18	2.29	0.95	14.8		0.5	56	24	78.57	78.29		CB-3 83.5	
DI-5	CB-8	.69	2.98	0.95	19.3		1.17	29	24	78.09	77.80		DI-5 82.5	
DI-15	CB-14	.21	.21	.90	1.3		0.5	25	12	81.39	81.26		DI-15 84.39	
CB-14	SMH-16	.15	.36	0.80	2.0		0.5	40	12	81.06	80.86		CB-14 84.76	
DI-12	CB-13	1.14	1.14	0.50	3.8		0.5	17	15	80.51	80.43		DI-12 83.34	
CB-13	DI-11	.36	1.50	0.70	5.8		0.5	60	18	80.25	79.83		CB-13 84.76	
DI-11	SMH-16	.09	1.85	0.85	7.7		0.5	49	18	79.72	79.50		DI-11 85.17	
SMH-16	DI-8	–	1.85	0.85	7.7		0.5	160	18	79.30	78.50		SMH-16 85.6	
DI-8	SMH-10	.28	2.70	0.85	17.4		0.63	147	24	78.30	77.37		DI-8 82.5	
SMH-10	CB-6	–	2.70	0.85	17.4		0.5	137	24	77.17	76.48		SMH-10 85.2	
CB-9	DI-8	0.49	0.49	0.70	2.3		1.32	31	12	78.0	78.5		CB-9 82.0	
CB-6	FES-17	.19	5.87	0.85	37.9		0.83	210	30	76.28	73.50	8.0	CB-6 82.1	

GENERAL EROSION CONTROL NOTES

1. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
2. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
3. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 30 DAYS OF COMPLETION OF GRADING. ALL REMAINING AREAS ARE TO BE SEEDED AND MULCHED WITHIN 120 DAYS.
4. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATION.
5. LAND DEVELOPMENT INSPECTOR TO BE GIVEN 24 HOURS NOTICE PRIOR TO START OF CONSTRUCTION.
6. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
7. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.

SLOPES SHALL BE GRADED NO STEEPER THAN 2:1

SEEDBED PREPARATION

1. AREAS TO BE SEEDED SHALL BE RIPPED OR TILLED AND SPREAD WITH AVAILABLE TOPSOIL 4" DEEP. TOTAL SEEDED PREPARED DEPTH SHALL BE 6" DEEP.
2. ROCKS, ROOTS AND OTHER OBSTRUCTIONS AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE SEEDBED. SURFACE OF COMPLETED PREPARED SEEDBED SHALL BE LOOSE SMOOTH AND UNIFORM. CONTRACTOR SHALL TILL, DISC AND/OR HARROW IF NECESSARY TO
3. IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHALL BE APPLIED ACCORDING TO THE SEEDING SPECIFICATIONS.
4. IF SOIL TEST IS TAKEN, APPLY FERTILIZER AND LIME IN ACCORDANCE W/SOIL TEST RECOMMENDATIONS.
5. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
6. IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH A THIN DENSE LAYER OF CLEAN WHEAT STRAW.

TEMPORARY EROSION CONTROL SEEDING SPECIFICATIONS

3:1 SLOPES OR FLATTER

1. APPLY AGRICULTURAL LIME AT A RATE OF 50 LBS/1000 S.F.
2. APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS/1000 S.F.
3. SEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE AND APPLICATION RATES.

DATE	TYPE	PLANTING RATE
MAY 1 TO AUG. 15	ANNUAL RYEGRASS	100 LBS / ACRE
AUG. 15 TO NOV. 1	AND TURF TYPE TALL FESCUE	100 LBS / ACRE
	GERMAN MILLET	60 LBS / ACRE
	AND TURF TYPE TALL FESCUE	100 LBS / ACRE
	TURF TYPE TALL FESCUE	250 LBS / ACRE

4. MULCH WITH STRAW APPLIED AT THE RATE OF 70 – 100 LBS/1000 S.F.
← HEAVILY MULCHED DURING JANUARY – MARCH PERIOD.
5. IF GERMAN MILLET IS USED FOR TEMPORARY COVER DURING SUMMER MONTHS, CONTRACTOR MUST KEEP TEMPORARY MILLET MOWED AND CONTRACTOR MUST OVERSEED WITH THE SPECIFIED RATE OF TURF TYPE TALL FESCUE AFTER THE HEAT OF SUMMER IS PAST BUT NOT BEFORE SEPT. 15 NOR LATER THAN NOV. 1.

PERMANENT SEEDING SPECIFICATIONS

3:1 SLOPES OR FLATTER

1. APPLY AGRICULTURAL LIME AT A RATE OF 90 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
2. APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
3. SEED AT A RATE OF 8 LBS/1000 S.F.

DATE	TYPE
NOV. 1 TO MAY 1	ANNUAL RYE GRAIN AND TURF TYPE TALL FESCUE
MAY 1 TO AUG. 15	TURF TYPE TALL FESCUE
AUG. 15 TO NOV. 1	TURF TYPE TALL FESCUE

4. MULCH WITH UNCHOPPED, UNWEATHERED SMALL GRAIN STRAW FREE OF SEEDS APPLIED AT THE RATE OF 1 – 2 TONS/ACRE
← HEAVILY MULCHED DURING JANUARY – MARCH PERIOD.
5. THE CONTRACTOR SHALL MAINTAIN THE PERMANENT VEGETATIVE COVER BY MOWING, IRRIGATION, REPAIR OF PLANTING FAILURES OR OTHER METHODS FOR THE DURATION OF THE PROJECT AND UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

TOTAL DENUDED AREA = 4.35 ACRES

CONSTRUCTION SEQUENCE

1. SET UP PRE-CONSTRUCTION CONFERENCE ON SITE WITH CABARRUS CO. EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
2. INSTALL SILT FENCES, CLEAN WATER DIVERSIONS, SILT DITCHES, SEDIMENT BASIN, TREE PROTECTION, AND ALL OTHER INITIAL MEASURES AS SHOWN ON THE PLANS. CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
3. CALL FOR ONSITE INSPECTION BY THE CABARRUS CO. EROSION CONTROL INSPECTOR. WHEN APPROVED, BEGIN CLEARING AND GRUBBING.
4. MAINTAIN EROSION CONTROL DEVICES AS NEEDED. INSPECT AND REPAIR AFTER EACH RAINFALL.
5. INSTALL AGGREGATE BASE COURSE ON ALL AREAS TO BE PAVED TO STABILIZE. STABILIZE ALL OTHER DENUDED AREAS AS FINISHED GRADE IS ATTAINED.
6. INSTALL INLET SEDIMENT TRAPS AROUND STORM DRAINAGE STRUCTURES AS THEY ARE INSTALLED AND AT THE END OF EACH DAYS WORK. REPLACE INLET SEDIMENT TRAPS AS INLETS ARE COMPLETED TO FINISHED GRADE.
7. ESTABLISH VEGETATION ON ALL DENUDED AREAS EXCEPT BUILDING PAD AND AREAS TO BE PAVED.
8. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, CABARRUS CO. ENGINEERING DEPT. AND THE U.S. SOIL CONSERVATION SERVICE.
9. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE CABARRUS CO. EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL REMOVE THE SEDIMENT BASIN WITH THE CONSENT OF THE INSPECTOR AT THE AGREED TIME SEQUENCE (WHEN THE SITE HAS BEEN STABILIZED) AND THE AREA OF THE BASIN SHALL THEN BE STABILIZED.

PRELIMINARY
NOT FOR CONSTRUCTION

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

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LAND PLANNERS
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(704) 553-8881 • Fax (704) 553-8660

Project: CABARRUS COUNTY NURSING FACILITY

Sheet Title: GRADING, DRAINAGE, AND EROSION CONTROL PLAN

CTB
Engineer
JRD
Drawn By
03/02/00
Date

Revisions
1 04-28-00 REVD. SEDIMENT BASIN
2 05-19-00 REVD. SITE VICINITY MAP
3 05-26-00 REVD. SED. POND INFO.
4 06-14-00 ADDED TREE SAVE NOTE
5 07-19-00 REVD. GRADING AND INV. @ FES-17
6 11-06-00 RAISED F.F.E. 2.50 FT. AND REVISED STORM DRAINAGE
7 11-13-00 RAISED F.F.E. ADDITIONAL 1.5 FT. & REVISED STORM DRAINAGE

Project Number
273-001

Sheet C2 of C6

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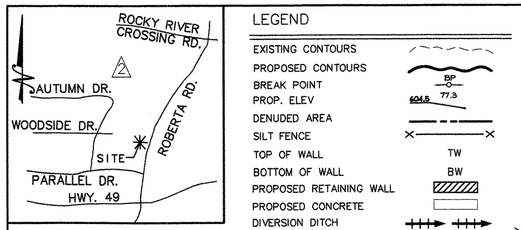

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- BREAK POINT (BP)
- PROP. ELEV (624.5 / 77.3)
- DENUDED AREA
- SILT FENCE
- TOP OF WALL (TW)
- BOTTOM OF WALL (BW)
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- DIVERSION DITCH
- STORM INLET PROTECTION

SEDIMENT BASIN DESIGN DATA

BASIN #1

DENUDED AREA	4.4 AC
DRAINAGE AREA	6.4 AC
Q_{10} =CIA	22.4 CFS
STORAGE REQ'D.	11,520 CF
STORAGE PROVIDED	11,628 CF
BOTTOM DIM'S	38 FT X 82 FT
TOP OF DAM DIM'S	56 FT X 100 FT
WEIR WIDTH	6 FT
WEIR DEPTH	1.0 FT
WEIR LENGTH	10 FT
BOTTOM ELEV	574
TOP ELEV	579
MAXIMUM SED. DEPTH	3 FT
RISER DIA.	30 IN
BARREL DIA.	24 IN
LENGTH OF BARREL	24 FT
TOP OF RISER	577
EMS ELEV.	578
CONCRETE ANCHOR DIM.	3 FT X 3 FT
TOP OF DAM WIDTH	26 FT

RIP RAP APRON DIMENSION DATA

STRUCTURE NO.	Q-FLOW	DIA. OF PIPE	OUTLET VEL.-(FPS)	ZONE	APRON LENGTH	APRON WIDTH	APRON THICK	STONE CLASS
FES-17	24.8	30"	5.0	2	15 FT.	17.5 FT	12"	B
FES @ RISER	15.4	24"	4.90	1	8 FT.	10 FT	9"	A

STORM DRAINAGE DESIGN DATA SHEET:													DATE: 5-25-99
PROJECT: CABARRUS COUNTY NURSING FACILITY													REVISED: 10-11-99
LOCATION: HARRISBURG, NC													JOB NO: 248-002
STORM FREQUENCY: 10 YEAR OFFSITE C=0.40 ON SITE C=0.95 I=6.8 IN/HR													CTB
LINE		AREA (AC.)		COEF.	Q (CFS)	PIPE: CLASS III RCP (UNO)							GR.EL./ RIM EL.	REMARKS
FROM	TO	SUBTOT.	TOTAL		CIA	N	SLOPE	LENGTH	SIZE	UP.ST.INV.	DWN.ST.INV.	VEL.(FPS)	STRUCT. - ELEV.	
DI-1	CB-2	1.73	1.73	0.40	4.7	0.12	0.50%	55'	15"	576.50	576.23		#1	
AD-2B	AD-2C	.01	.01	0.95	.06	0.12	1.00	35'	12"	580.00	579.65		#3	DIP
AD-2A	AD-2F	.01	.02	0.95	.12	0.12	1.00	40	12"	579.65	579.45		#2	DIP
AD-2D	AD-2C	.01	.01	0.95	.06	0.12	1.00	35'	12"	580.0	579.65		#6	DIP
AD-2C	AD-2E	.01	.02	0.95	.12		1.00	40'	12"	579.65	579.45		#5	DIP
AD-2E	AD-2F	.01	.03	0.95	.18		1.00	15'	12"	579.45	579.30		#4	DIP
AD-2F	CB-2	.01	.06	0.95	.40		1.00	60'	12"	579.30	576.48		#1	DIP
CB-2	SMH-3	.32	.38	0.95	7.2	0.12	0.50	60'	18"	575.98	575.68		#1	
SMH-3	DI-5	.18	0.56	0.95	8.3		0.50	160'	24"	575.18	574.38		#3	
DI-5	CB-6	.69	1.25	0.95	11.6		0.50	50'	24"	574.18	573.93		#2	
DI-12	CB-13	1.14	1.14	0.50	3.9	0.12	0.5%	15'	15"	578.00	577.93		#6	
CB-13	CB-14	.36	1.50	0.70	5.6	0.12	0.5%	50'	18"	577.88	577.43		#5	
CB-11	CB-14	.15	.15	0.80	.82	0.12	1.00	25'	12"	577.50	577.25		#4	
DI-15	CB-14	.21	.21	.90	1.3	0.12	1.00	20'	12"	577.50	577.30		#1	
CB-14	SMH-11	.09	1.95	0.95	7.7	0.12	0.50	50'	18"	577.23	576.98		#2	
SMH-11	DI-8	–	1.95	0.95	7.7		0.50	160'	18"	576.78	575.98		#3	
DI-8	CB-9	0.49	2.44	0.70	10.0		0.50	35'	24"	575.48	575.31		#6	
CB-9	SMH-10	.26	2.70	0.95	11.7		0.50	160'	24"	575.11	574.31		#5	
SMH-10	CB-6	–	2.70	0.95	11.7		0.50	125'	24"	574.11	573.49		#4	
CB-6	FES-17	.19	4.14	0.95	24.5	0.12	0.50	300'	30"	572.99	571.49	5.8	#1	

* SEE PLAN FOR RIM ELEV.

GENERAL EROSION CONTROL NOTES

1. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
2. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
3. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 30 DAYS OF COMPLETION OF GRADING. ALL REMAINING AREAS ARE TO BE SEEDED AND MULCHED WITHIN 120 DAYS.
4. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATION.
5. LAND DEVELOPMENT INSPECTOR TO BE GIVEN 24 HOURS NOTICE PRIOR TO START OF CONSTRUCTION.
6. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
7. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.

SLOPES SHALL BE GRADED NO STEEPER THAN 2:1

SEEDBED PREPARATION

1. AREAS TO BE SEEDED SHALL BE RIPPED OR TILLED AND SPREAD WITH AVAILABLE TOPSOIL 4" DEEP. TOTAL SEEDED PREPARED DEPTH SHALL ACHIEVE THIS.
2. ROCKS, ROOTS AND OTHER OBSTRUCTIONS AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE SEEDBED. SURFACE OF COMPLETED PREPARED SEEDBED SHALL BE LOOSE SMOOTH AND UNIFORM. CONTRACTOR SHALL TILL, DISC AND/OR HARROW IF NECESSARY TO
3. IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHALL BE APPLIED ACCORDING TO THE SEEDING SPECIFICATIONS.
4. IF SOIL TEST IS TAKEN, APPLY FERTILIZER AND LIME IN ACCORDANCE W/SOIL TEST RECOMMENDATIONS.
5. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
6. IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH A THIN DENSE LAYER OF CLEAN WHEAT STRAW.

TEMPORARY EROSION CONTROL SEEDING SPECIFICATIONS

3:1 SLOPES OR FLATTER

1. APPLY AGRICULTURAL LIME AT A RATE OF 90 LBS/1000 S.F.
2. APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS/1000 S.F.
3. NOW, SEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE AND APPLICATION RATES.

DATE	TYPE	PLANTING RATE
MAY 1 TO AUG. 15	ANNUAL RYEGRASS AND TURF TYPE TALL FESCUE	150 LBS / ACRE 100 LBS / ACRE
AUG. 15 TO NOV. 1	GERMAN MILLET AND TURF TYPE TALL FESCUE	80 LBS / ACRE 100 LBS / ACRE
	TURF TYPE TALL FESCUE	250 LBS / ACRE

4. MULCH WITH STRAW APPLIED AT THE RATE OF 75 – 100 LBS/1000 S.F.
   ← HEAVILY MULCHED DURING JANUARY – MARCH PERIOD.
5. IF GERMAN MILLET IS USED FOR TEMPORARY COVER DURING SUMMER MONTHS, CONTRACTOR MUST KEEP TEMPORARY MILLET MOWED AND CONTRACTOR MUST OVERSEED WITH THE SPECIFIED RATE OF TURF TYPE TALL FESCUE AFTER THE HEAT OF SUMMER IS PAST BUT NOT BEFORE SEPT. 15 NOR LATER THAN NOV. 1.

PERMANENT SEEDING SPECIFICATIONS

3:1 SLOPES OR FLATTER

1. APPLY AGRICULTURAL LIME AT A RATE OF 90 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
2. APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
3. SEED AT A RATE OF 6 LBS./1000 S.F.

DATE	TYPE
NOV. 1 TO MAY 1	ANNUAL RYE GRAIN AND TURF TYPE TALL FESCUE
MAY 1 TO AUG. 15	TURF TYPE TALL FESCUE
AUG. 15 TO NOV. 1	TURF TYPE TALL FESCUE

4. MULCH WITH UNCHOPPED, UNWEATHERED SMALL GRAIN STRAW FREE OF SEEDS APPLIED AT THE RATE OF 1 – 2 TONS/ACRE
   ← HEAVILY MULCHED DURING JANUARY – MARCH PERIOD.
5. THE CONTRACTOR SHALL MAINTAIN THE PERMANENT VEGETATIVE COVER BY MOWING, IRRIGATION, REPAIR OF PLANTING FAILURES OR OTHER METHODS FOR THE DURATION OF THE PROJECT AND UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

TOTAL DENUDED AREA = 4.35 ACRES

RISER TYPE SEDIMENT BASIN
TOP OF DAM - 579.0
BOTTOM OF DAM -574.0
SEE DETAIL ON SHEET C5

NOTE:
DO NOT INSTALL SD PIPE PAST THIS POINT UNTIL SED. BASIN IS REMOVED.

INSTALL TEMPORARY TAIL DITCH FROM RISER ASSEMBLY TO GRADE APPROX. 100' @ 1.0% DURING CONSTRUCTION. REMOVE WITH THE SEDIMENT POND.

100 YEAR FLOOD HAZARD AREA WITH NO BASE FLOOD ELEVATIONS DETERMINED (SCALED FROM FEMA FIRE MAP NO. 3702530015 D, EFFECTIVE DATE: 11-2-94)

NOTE: NO CLEARING OR GRADING ALLOWED BEYOND DENUDED LIMITS AND SILT FENCE. EXISTING VEGETATION AND TREES BEYOND DENUDED LIMITS TO REMAIN UNDISTURBED.

NOTE:
DIP PIPE TO BE PLACED IN 2 DIP SLEEVES UNDER CORRIDOR

F.F.E.= 582.70

F.F.E.=583.00'
PROPOSED BUILDING
(N 22°51'37" E)

GRAVEL CONST. ENTRANCE

CONSTRUCTION SEQUENCE

1. SET UP PRE-CONSTRUCTION CONFERENCE ON SITE WITH CABARRUS CO. EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
2. INSTALL SILT FENCES, CLEAN WATER DIVERSIONS, SILT DITCHES, SEDIMENT BASIN, TREE PROTECTION, AND ALL OTHER INITIAL MEASURES AS SHOWN ON THE PLANS. CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
3. CALL FOR ONSITE INSPECTION BY THE CABARRUS CO. EROSION CONTROL INSPECTOR. WHEN APPROVED, BEGIN CLEARING AND GRUBBING.
4. MAINTAIN EROSION CONTROL DEVICES AS NEEDED. INSPECT AND REPAIR AFTER EACH RAINFALL.
5. INSTALL AGGREGATE BASE COURSE ON ALL AREAS TO BE PAVED TO STABILIZE. STABILIZE ALL OTHER DENUDED AREAS AS FINISHED GRADE IS ATTAINED.
6. INSTALL INLET SEDIMENT TRAPS AROUND STORM DRAINAGE STRUCTURES AS THEY ARE INSTALLED AND AT THE END OF EACH DAYS WORK. REPLACE INLET SEDIMENT TRAPS AS INLETS ARE COMPLETED TO FINISHED GRADE.
7. ESTABLISH VEGETATION ON ALL DENUDED AREAS EXCEPT BUILDING PAD AND AREAS TO BE PAVED.
8. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, CABARRUS CO. ENGINEERING DEPT. AND THE U.S. SOIL CONSERVATION SERVICE.
9. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE CABARRUS CO. EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
9. THE CONTRACTOR SHALL REMOVE THE SEDIMENT BASIN WITH THE CONSENT OF THE INSPECTOR AT THE AGREED TIME SEQUENCE (WHEN THE SITE HAS BEEN STABILIZED) AND THE AREA OF THE BASIN SHALL THEN BE STABILIZED.

SEE SHEET C5 FOR ENLARGED DETAIL OF THIS AREA

GRAPHIC SCALE
40 0 20 40 80 180
(IN FEET)
1 inch = 40 ft.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 12557 CARLTON T. BURTON

BURTON ENGINEERING ASSOCIATES
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5970 Fairview Road - Suite 100 - Charlotte, NC 28210
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CABARRUS COUNTY NURSING FACIITY

Sheet Title: GRADING & EROSION CONTROL PLAN

Project: CTB
Engineer: JRD
Drawn By: 03/02/00
Date:

Revisions
- 04-28-00 REVD. SEDIMENT BASIN
- 05-19-00 REVD. SITE VICINITY MAP
- 05-26-00 REVD. SED. POND INFO.
- 06-14-00 ADDED TREE SAVE NOTE
- 07-19-00 REVD. GRADING AND INV. @ FES-17

Project Number: 273-001
Sheet: C2 of C6

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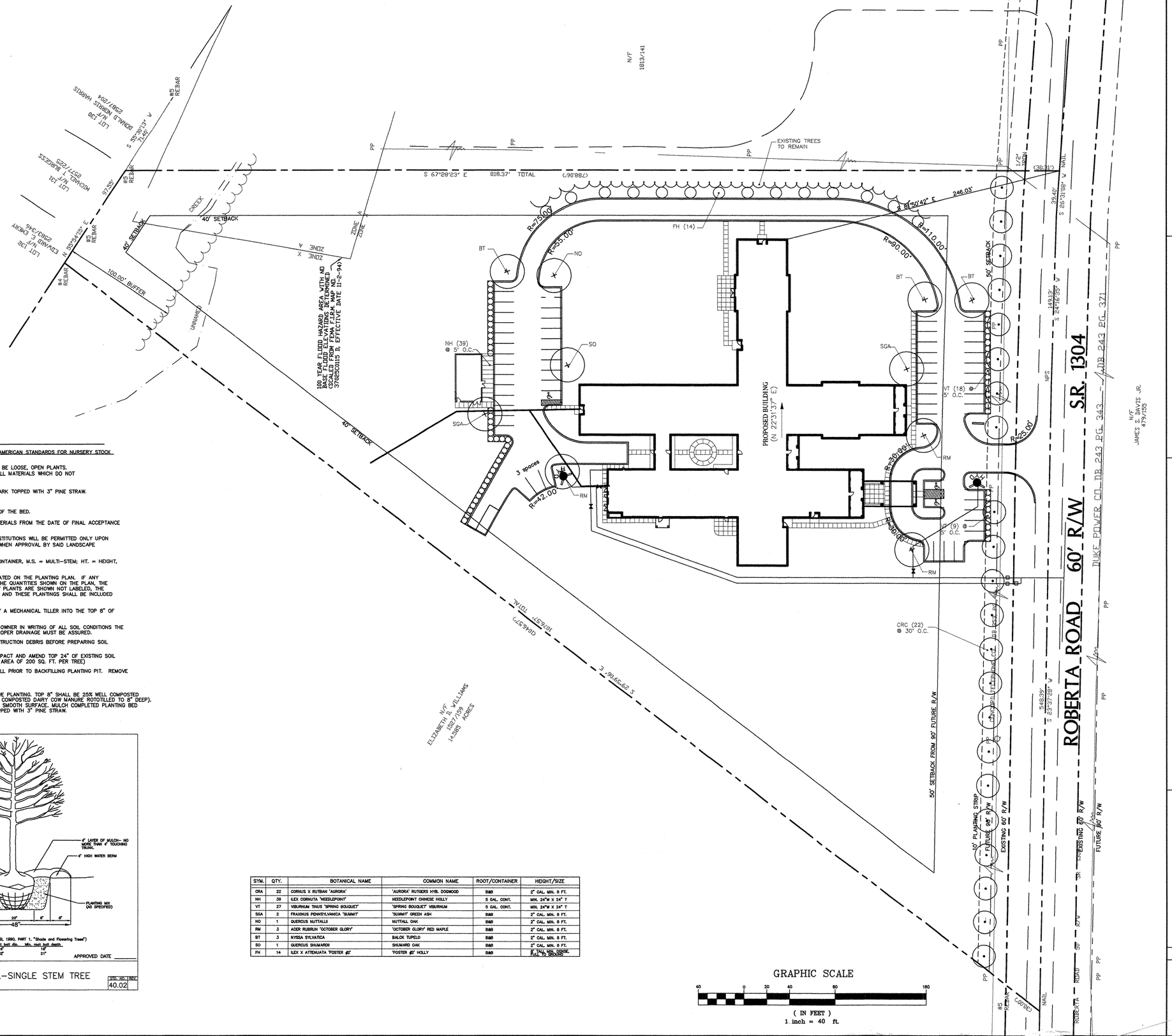
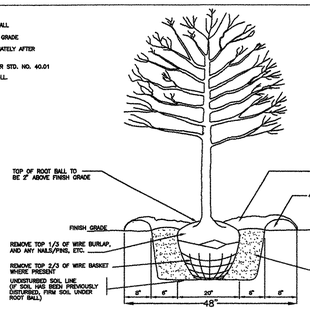


PLANTING NOTES:

1. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC., WASHINGTON, D.C.
2. ALL PLANTS SHALL BE COMPACT, UNIFORM, AND WELL GROWN. PLANTS SHALL NOT BE LOOSE, OPEN PLANTS. THE CLIENT'S LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY AND ALL MATERIALS WHICH DO NOT MEET THESE REQUIREMENTS.
3. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" THICK COMPOSTED/MILLED PINE BARK TOPPED WITH 3" PINE STRAW.
4. ALL PLANTS SHALL BE FREE FROM DISEASE, INSECT INFESTATIONS, AND INJURIES.
5. ALL PLANT BEDS SHALL HAVE A 4" V-CUT TRENCH INSTALLED AT THE PERIMETER OF THE BED.
6. CONTRACTOR MUST PROVIDE A ONE YEAR WRITTEN GUARANTEE FOR ALL PLANT MATERIALS FROM THE DATE OF FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT.
7. THE SPECIES, VARIETIES, AND SIZE LISTED SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE PERMITTED ONLY UPON WRITTEN APPLICATION BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT, AND WHEN APPROVAL BY SAID LANDSCAPE ARCHITECT IS IN WRITING.
8. SYMBOLS: B&B = BALLED AND BURLAPPED; O.C. = ON CENTER; GAL. = GALLON CONTAINER, M.S. = MULTI-STEM; HT. = HEIGHT, CAL. = CALIPER.
9. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PLANTS ILLUSTRATED ON THE PLANTING PLAN. IF ANY DISCREPANCIES EXIST BETWEEN THE QUANTITIES LISTED ON THE PLANT LIST AND THE QUANTITIES SHOWN ON THE PLAN, THE CONTRACTOR SHALL PROVIDE ALL QUANTITIES ILLUSTRATED ON THE PLAN. IF ANY PLANTS ARE SHOWN NOT LABELED, THE CONTRACTOR SHALL VERIFY THE PLANT IDENTITY WITH THE LANDSCAPE ARCHITECT AND THESE PLANTINGS SHALL BE INCLUDED IN THE CONTRACTOR'S INITIAL BID.
10. SOIL AMENDMENTS SHALL BE UNIFORMLY SPREAD AND CULTIVATED THOROUGHLY BY A MECHANICAL TILLER INTO THE TOP 8" OF SOIL THROUGHOUT SHRUB BEDS.
11. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND THE OWNER IN WRITING OF ALL SOIL CONDITIONS THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF PLANT MATERIALS. PROPER DRAINAGE MUST BE ASSURED.
12. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS BEFORE PREPARING SOIL AND PLANTING TREES.
13. REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL/PLANTING MIX -OR- UNCOMPACT AND AMEND TOP 24" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS FOR TREES. (WITHIN ENTIRE MINIMUM AREA OF 200 SQ. FT. PER TREE)
14. ALL STRAPPING AND TOP 2/3 OF WIRE BASKET MUST BE REMOVED FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL.
15. NO TREE SHALL BE PLANTED ON A SLOPE NO GREATER THAN 3:1 .
16. PROVIDE AND INSTALL PREPARED PLANTING BED FOR ALL AREAS SHOWN TO RECEIVE PLANTING. TOP 8" SHALL BE 25% WELL COMPOSTED DIARY COW MANURE AND 75% NATIVE TOPSOIL THOROUGHLY MIXED (2" LAYER OF COMPOSTED DAIRY COW MANURE ROTOTILLED TO 8" DEEP). PREPARED SOIL SHALL BE FINE TEXTURED AND FRIABLE AND RAKED TO CREATE A SMOOTH SURFACE. MULCH COMPLETED PLANTING BED W/ 3" THICK LAYER OF MILLED (PREFERABLY COMPOSTED) PINE BARK MULCH, TOPPED WITH 3" PINE STRAW.

NOTES:
1. REMOVE WIRE OR NYLON TWINE FROM BALL
2. INSTALL TOP OF BALL 2" ABOVE FINISH GRADE
3. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION
4. 3" STAKING IS REQUIRED USE DETAIL FOR STD. NO. 40.01
5. 4" SAUCER WILL BE OUTSIDE OF BACKFILL.
6. SEE SPECIFICATIONS FOR OTHER PLANTING REQUIREMENTS.



ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI, 1990, PART 1, "Shade and Flowering Trees")

For Example:	Caliper	Height (range)	Min. height	Min. root ball dia.	Min. root ball depth
	2"	12-14'	10'	24"	18"
	3"	14-16'	12'	32"	21"

APPROVED DATE _____

PLANTING DETAIL-SINGLE STEM TREE — STD. NO. / REV. 40.02

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	ROOT/CONTAINER	HEIGHT/SIZE
CRA	22	CORNUS X RUTBAN 'AURORA'	'AURORA' RUTGERS HYB. DOGWOOD	B&B	2" CAL. MIN. 8 FT.
NH	39	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY	5 GAL. CONT.	MIN. 24"W X 24" T
VT	27	VIBURNUM TINUS 'SPRING BOUQUET'	'SPRING BOUQUET' VIBURNUM	5 GAL. CONT.	MIN. 24"W X 24" T
SGA	2	FRAXINUS PENNSYLVANICA 'SUMMIT'	'SUMMIT' GREEN ASH	B&B	2" CAL. MIN. 8 FT.
NO	1	QUERCUS NUTTALLII	NUTTALL OAK	B&B	2" CAL. MIN. 8 FT.
RM	3	ACER RUBRUN 'OCTOBER GLORY'	'OCTOBER GLORY' RED MAPLE	B&B	2" CAL. MIN. 8 FT.
BT	3	NYSSA SYLVATICA	BALOK TUPELO	B&B	2" CAL. MIN. 8 FT.
SO	1	QUERCUS SHUMARDII	SHUMARD OAK	B&B	2" CAL. MIN. 8 FT.
FH	14	ILEX X ATTENUATA 'FOSTER #2'	'FOSTER #2' HOLLY	B&B	8' TALL MIN. DENSE, FULL TO GROUND

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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Project: CABARRUS COUNTY NURSING FACITY

Sheet Title: LANDSCAPE PLAN

CTB
Engineer
RD
Drawn By
03/02/00
Date

Revisions

Project Number
273-001

Sheet C3 of 6

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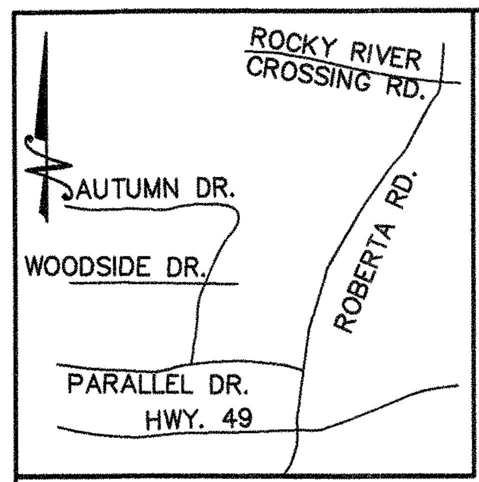
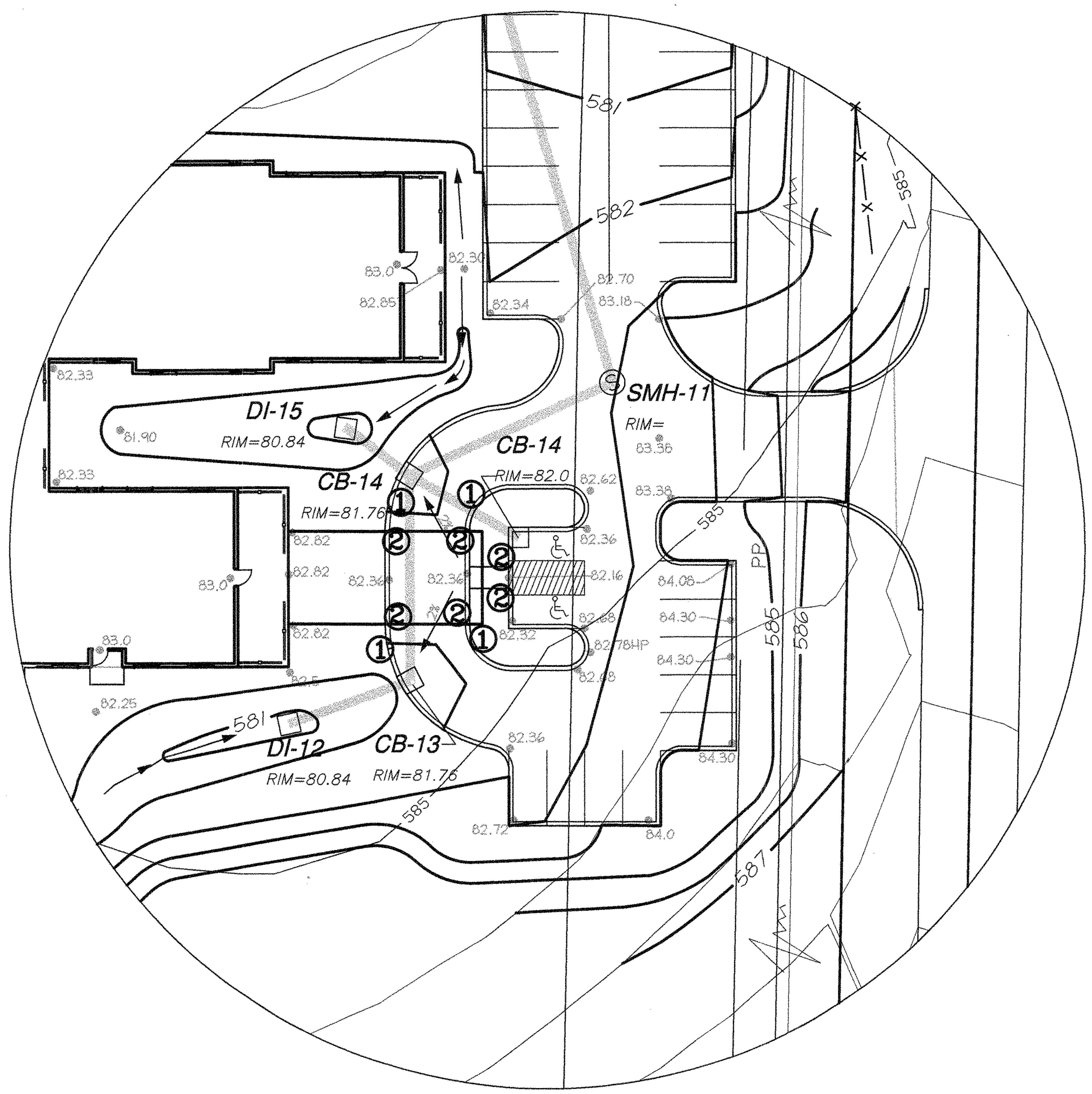


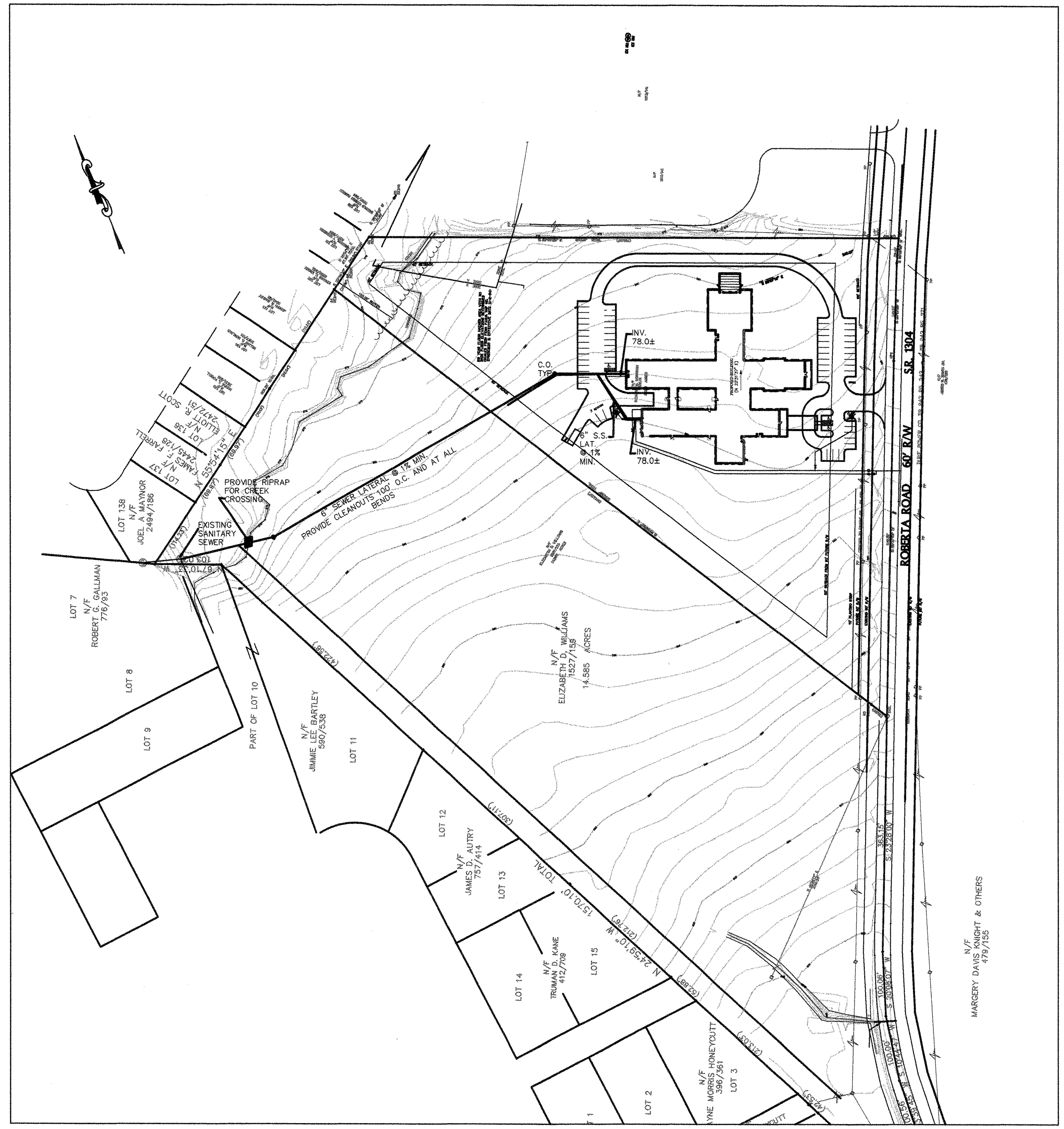


SITE INSET "A"

SCALE 1"=20'

1 — BEGIN VERTICAL TAPER CURB FROM 6" HIGH TO 0" HIGH IN 6'-0"

2 — CONC. CURB & GUTTER FLUSH BETWEEN THESE POINTS



SEWER LATERAL LOCATION PLAN

SCALE 1"=100'

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 12557 CARLTON T. BURTON 2-19-00

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Project: CABARRUS COUNTY NURSING FACIITY

Sheet Title: SITE INSETS

CTB
Engineer
JRD
Drawn By
03/02/00
Date

Revisions

Project Number
273-001

Sheet C5 of 6

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Mr. Michael Burgess
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Harrisburg, NC 28075
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Mr. Edward Emery
6123 Creekview Ct.
Harrisburg, NC 28075
PIN #5507798138

Ms. Elizabeth Williams
c/o Robert Davis, Jr.
150 Federal Street
Boston, MA 2110(?)
PIN #5507789474

Pruitt Corporation
Db 1526-Pg 3
PIN #5507882857
8.096 Acres

100 YEAR FLOOD HAZARD AREA
WITH NO BASE FLOOD ELEVATIONS DETERMINED
SCALED FROM FEMA F.I.R.M. MAP NO.
3758CO510 D, EFFECTIVE DATE 11-2-94)

APPROXIMATE LOCATION
OF EXISTING TREELINE
(WOODED AREA)

SR 1304
ROBERTA ROAD
60' R/W
EXISTING 60' R/W
FUTURE 90' R/W

50' SETBACK FROM 90' FUTURE R/W

10' PLANTING STRIP

DUKE POWER CO. DB 243 PG 343 & DB 243 PG 371

CONCORD TELEPHONE CO. DB 283 PG

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Project
CABARRUS HEALTH AND REHAB

Sheet Title
EXISTING CONDITIONS

CTB
Engineer
JRD
Drawn By
04/14/00
Date

Revisions

Project Number
273-001

Sheet C6 of 6

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