



KILGORE COLLEGE BOARD OF TRUSTEES

HERBERT KNAUTH, PRESIDENT
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 MARCUS BARNES, SECRETARY
 GEORGE F. KUTCH, D.V.M.
 D. B. LEVERETT
 CHARLEY MC CONNICO
 H. L. MC KAIG
 DON MEABON
 C. C. WILLOUGHBY

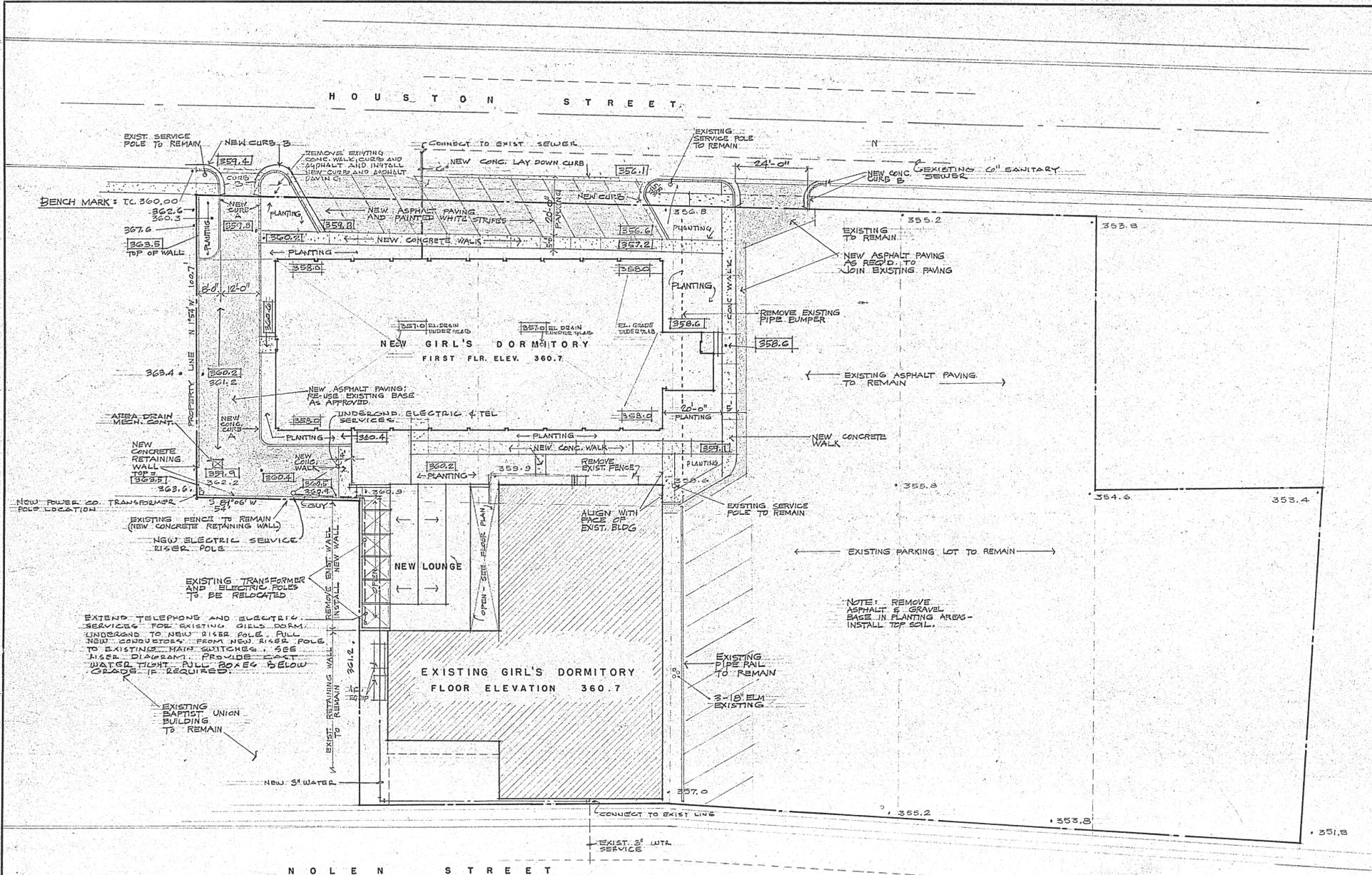
RANDOLPH C. WATSON
 COLLEGE PRESIDENT

JOHN W. BARNES, ED. D.
 COLLEGE DEAN

AUSTIN KAY
 ASSISTANT TO THE PRESIDENT

ALLEN & GUINN A.I.A.
 ARCHITECTS
 PETROLEUM BUILDING
 LONGVIEW, TEXAS

DATE: DEC 6 1965 REVISED: DRAWN BY:

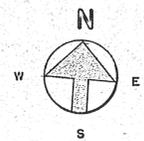


LIST OF DRAWINGS

- A1 PLOT PLAN BOARD OF TRUSTEES
- A2 FIRST FLOOR PLAN TERRACE PAVING
- A3 SECOND FLOOR PLAN THIRD FLOOR PLAN
- A4 EXTERIOR ELEVATIONS
- A5 WALL SECTIONS, STAIR NO.2
- A6 WALL SECTIONS, STAIR NO.1
- A7 BUILDING SECTIONS
- A8 SECTIONS THRU LOUNGE
- A9 TYP. ROOM FLOOR PLAN, INTERIOR ELEVATIONS

- S1 FOUNDATION PLAN FIRST FLOOR FRAMING
- S2 SECOND FLOOR FRAMING PLAN ROOF FRAMING PLAN (LOUNGE)
- S3 THIRD FLOOR FRAMING PLAN ROOF FRAMING PLAN
- S4 STAIR SECTIONS
- E1 ELECTRICAL FIRST FLOOR PLAN
- E2 ELECTRICAL SECOND AND THIRD FLOOR PLANS
- P1 PLUMBING FIRST FLOOR PLAN
- P2 PLUMBING SECOND AND THIRD FLOOR PLANS
- AC1 AIR CONDITIONING FIRST FLOOR PLAN
- AC2 AIR CONDITIONING SECOND AND THIRD FLOOR PLANS

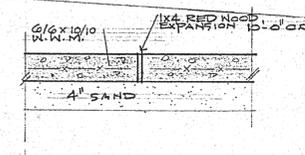
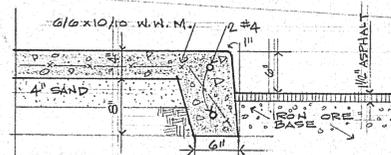
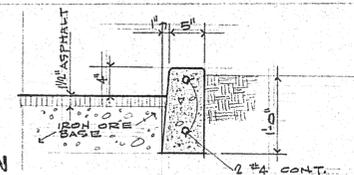
DETAIL SHEETS LISTED UNDER SEPARATE COVER



PLOT PLAN

1" = 20' - 0"

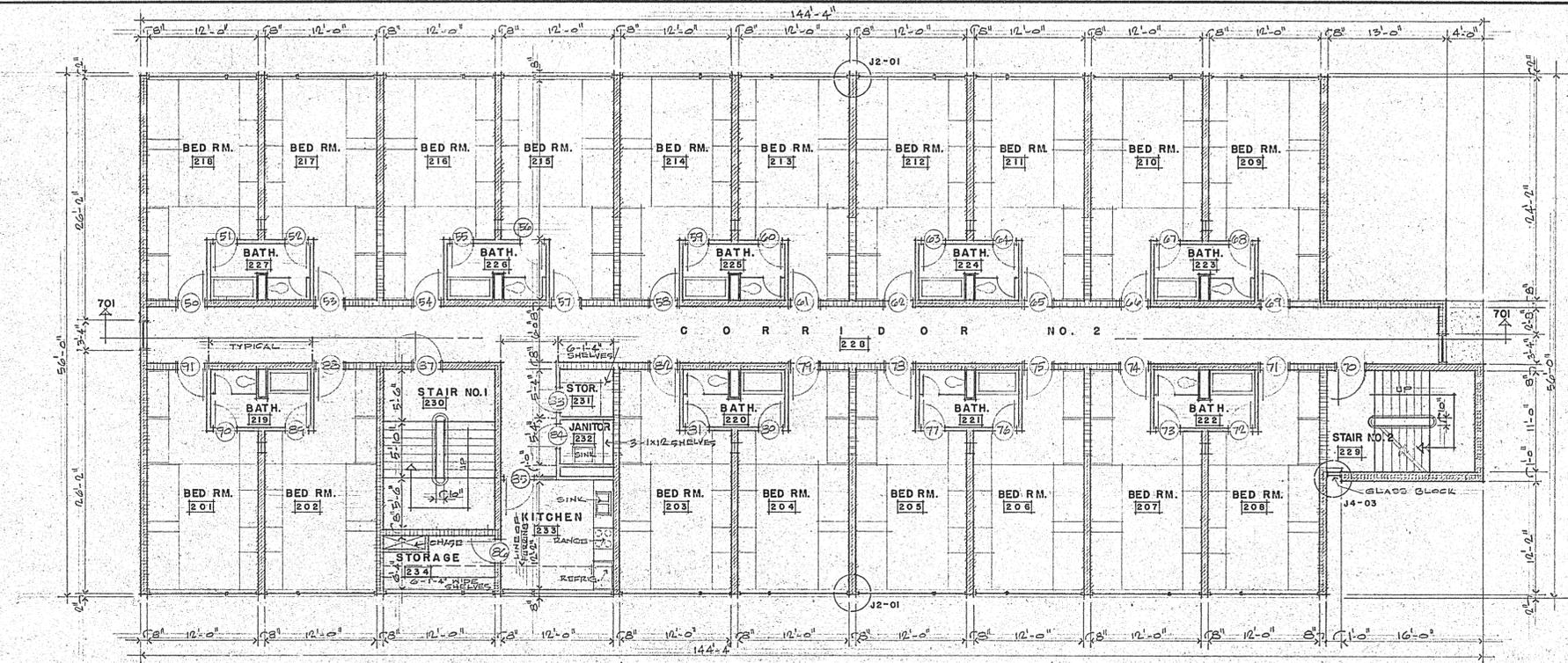
360.0 EXISTING GRADES
 360.0 NEW GRADES



ADDITIONS TO WOMEN'S DORMITORY KILGORE COLLEGE KILGORE, TEXAS

PLOT PLAN
 COLLEGE BOARD OF TRUSTEES
 LIST OF DRAWINGS

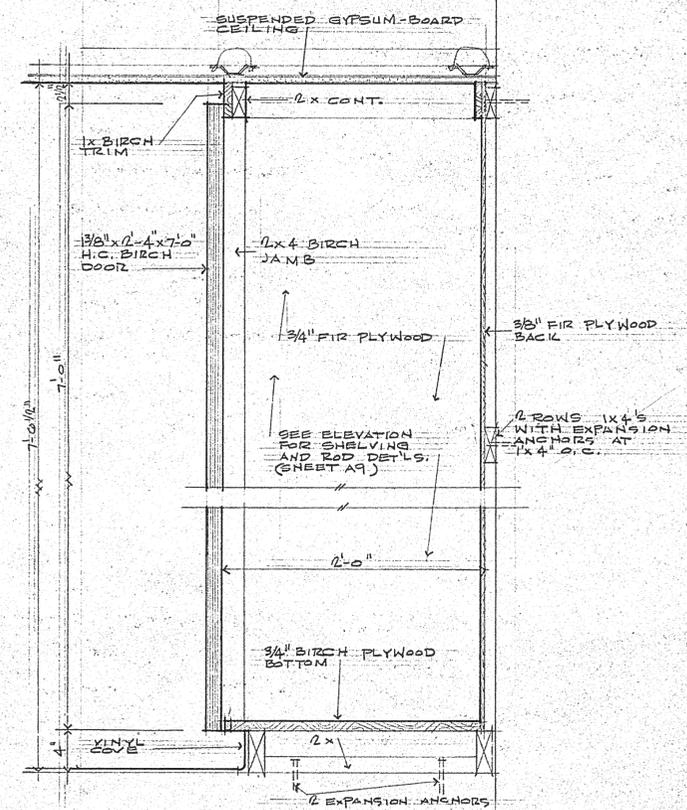
A1



SECOND FLOOR PLAN

1/8" = 1'-0"

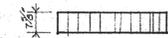
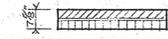
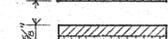
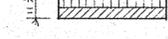
NOTE: SEE TYPICAL BEDROOM DETAILS SHEET A-9

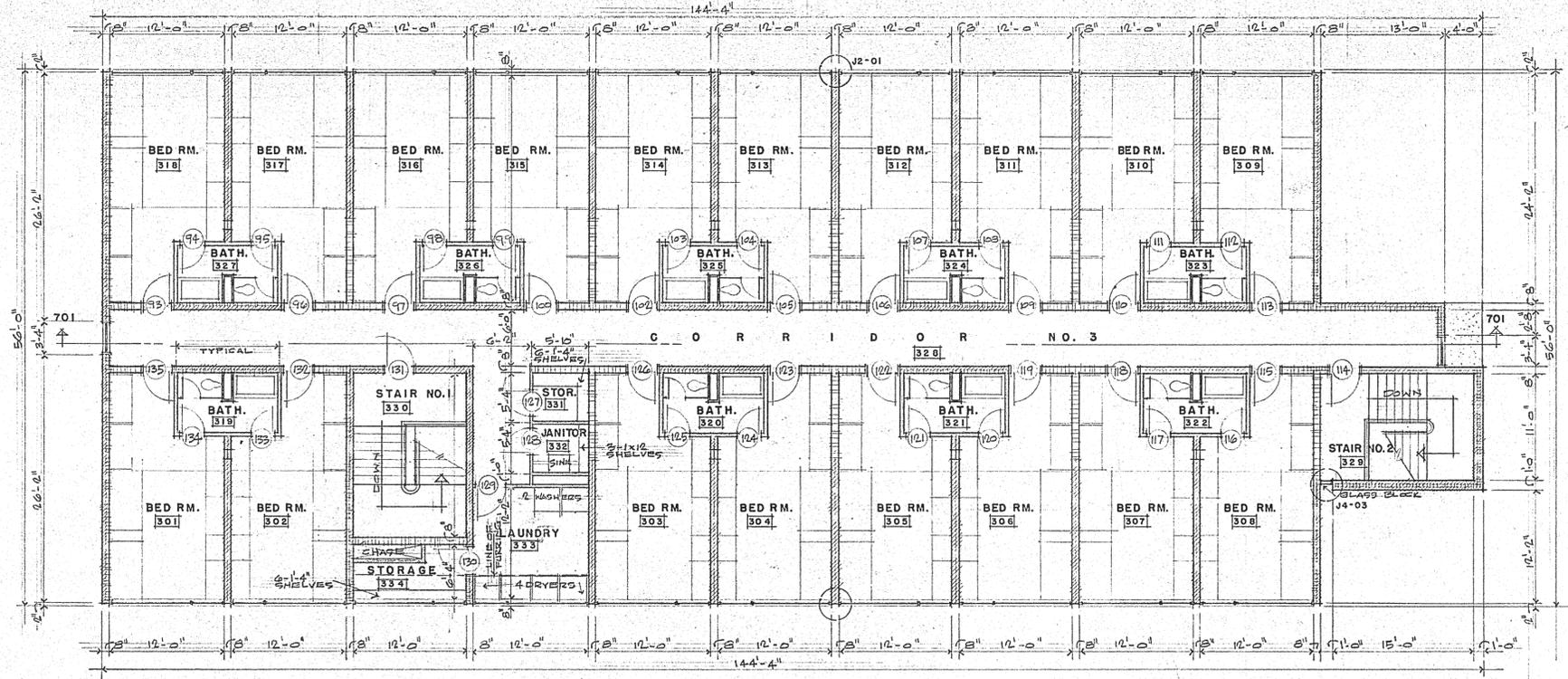


301 SECTION THRU CLOTHES STORAGE

1 1/2" = 1'-0"

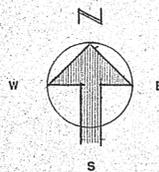
WALL LEGEND

-  8" CONCRETE BLOCK EXPOSED OR FACED WITH GYPSUM BOARD AND VINYL WALLCOVERING AS SCHEDULED
-  4" FACE BRICK EXPOSED AND 4" BLOCK EXPOSED OR FACED WITH GYPSUM BOARD AND VINYL WALLCOVERING AS SCHEDULED
-  2-4" FACE BRICK EXPOSED
-  4" FACE BRICK EXPOSED 4" CONCRETE BLOCK BACKUP
-  DRYWALL CONSTRUCTION 5/8" LAYER 1/2" GYPSUM BOARD EACH SIDE 2 1/2" METAL STUDS
-  2-4" FACE BRICK EXPOSED



THIRD FLOOR PLAN

1/8" = 1'-0"



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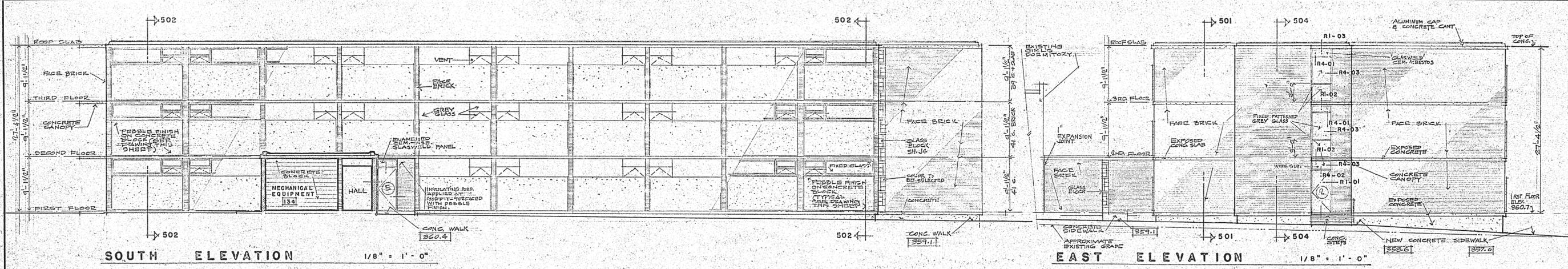
ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
KILGORE, TEXAS

FIRST AND SECOND
FLOOR PLANS

A 3

DATE: DEC 6 1953 REVISED: DRAWN BY:

PROSPECTS UNIT 500 1244

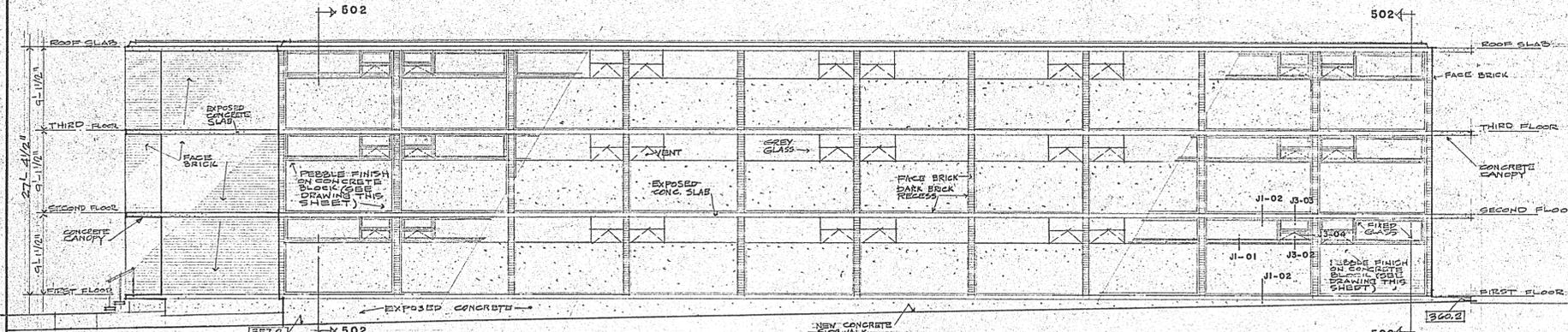


SOUTH ELEVATION

1/8" = 1'-0"

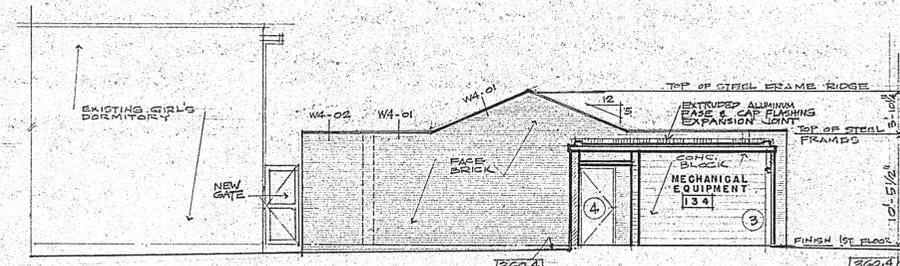
EAST ELEVATION

1/8" = 1'-0"



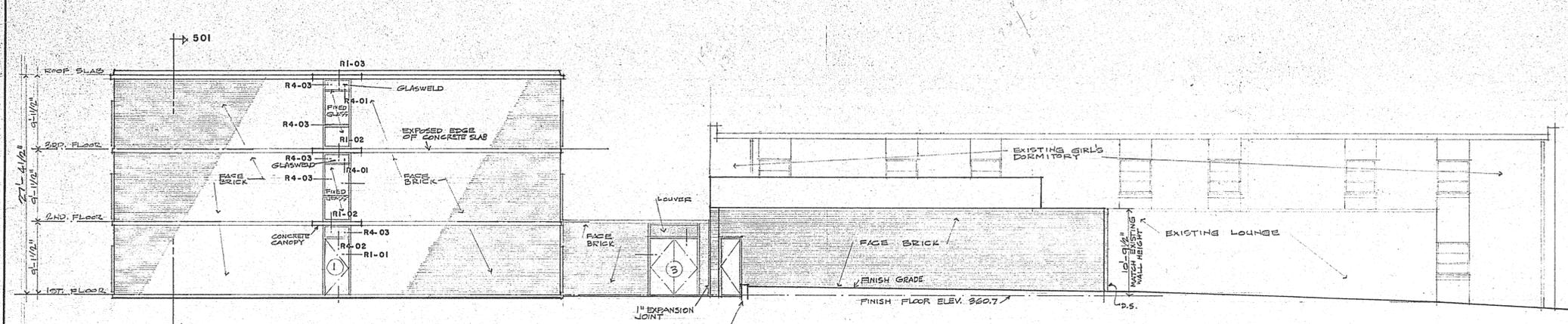
NORTH ELEVATION

1/8" = 1'-0"



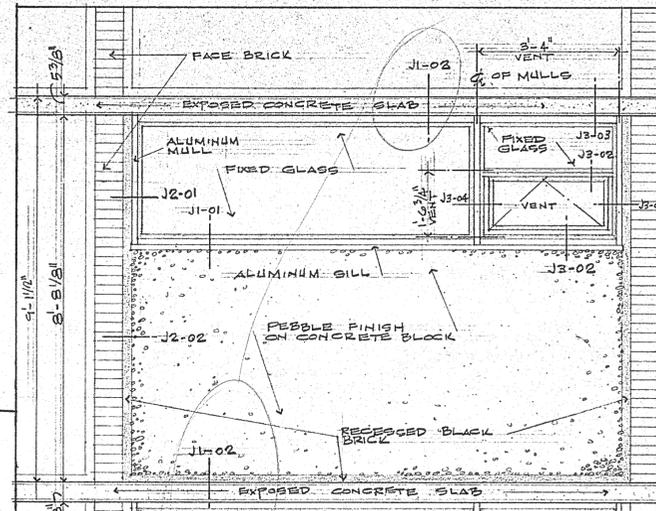
NORTH ELEVATION OF LOUNGE

1/8" = 1'-0"



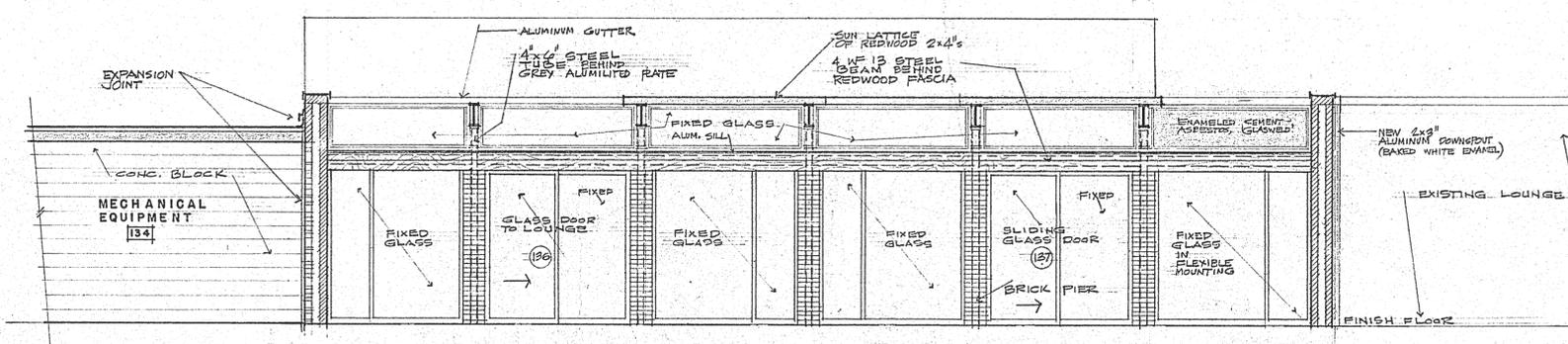
WEST ELEVATION OF DORMITORY AND LOUNGE

1/8" = 1'-0"



EXTERIOR ELEVATION OF TYPICAL BAY

1/2" = 1'-0"



WEST ELEVATION OF GARDEN - TERRACE

1/4" = 1'-0"



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ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
KILGORE, TEXAS

EXTERIOR ELEVATIONS

A 4

DATE: DEC. 6, 1955 REVISED:

COMM. NO. 6501

PROWERS 10281 500 1248



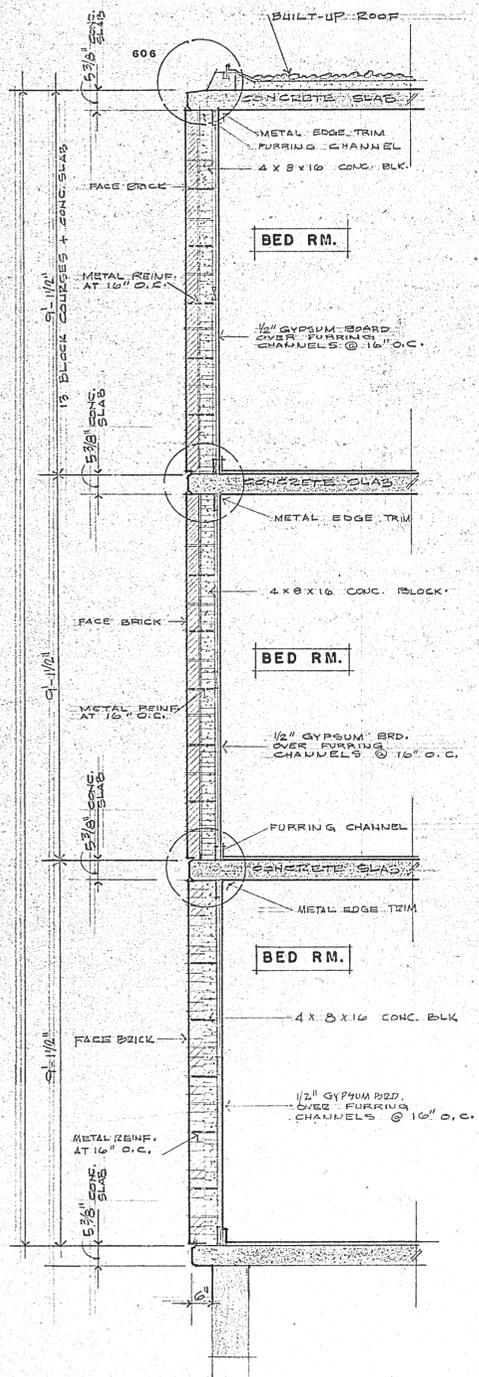
ALLEN & GUNN A.I.A.
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 LONGVIEW, TEXAS

ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
 KILGORE, TEXAS
 COMM. NO. 6501

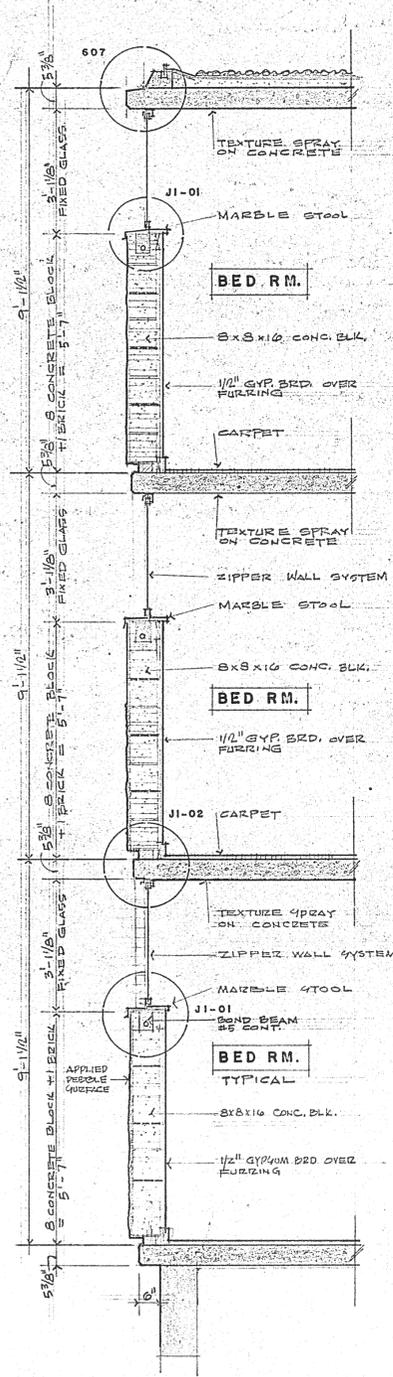
WALL SECTIONS
 SECTION THRU STAIR NO. 1

A5

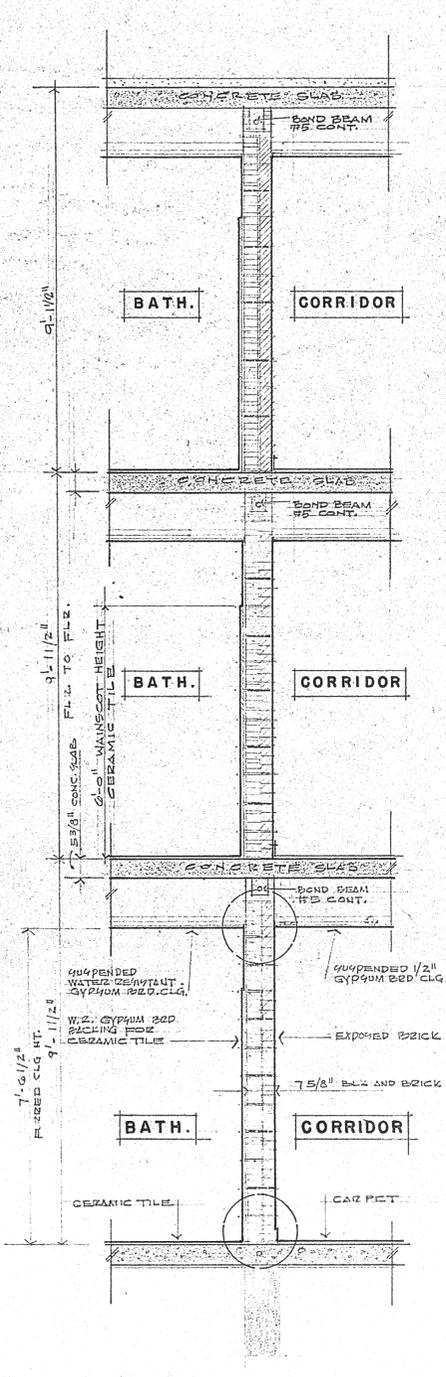
DATE: DEC. 6, 1965 REVISED: DRAWN BY:



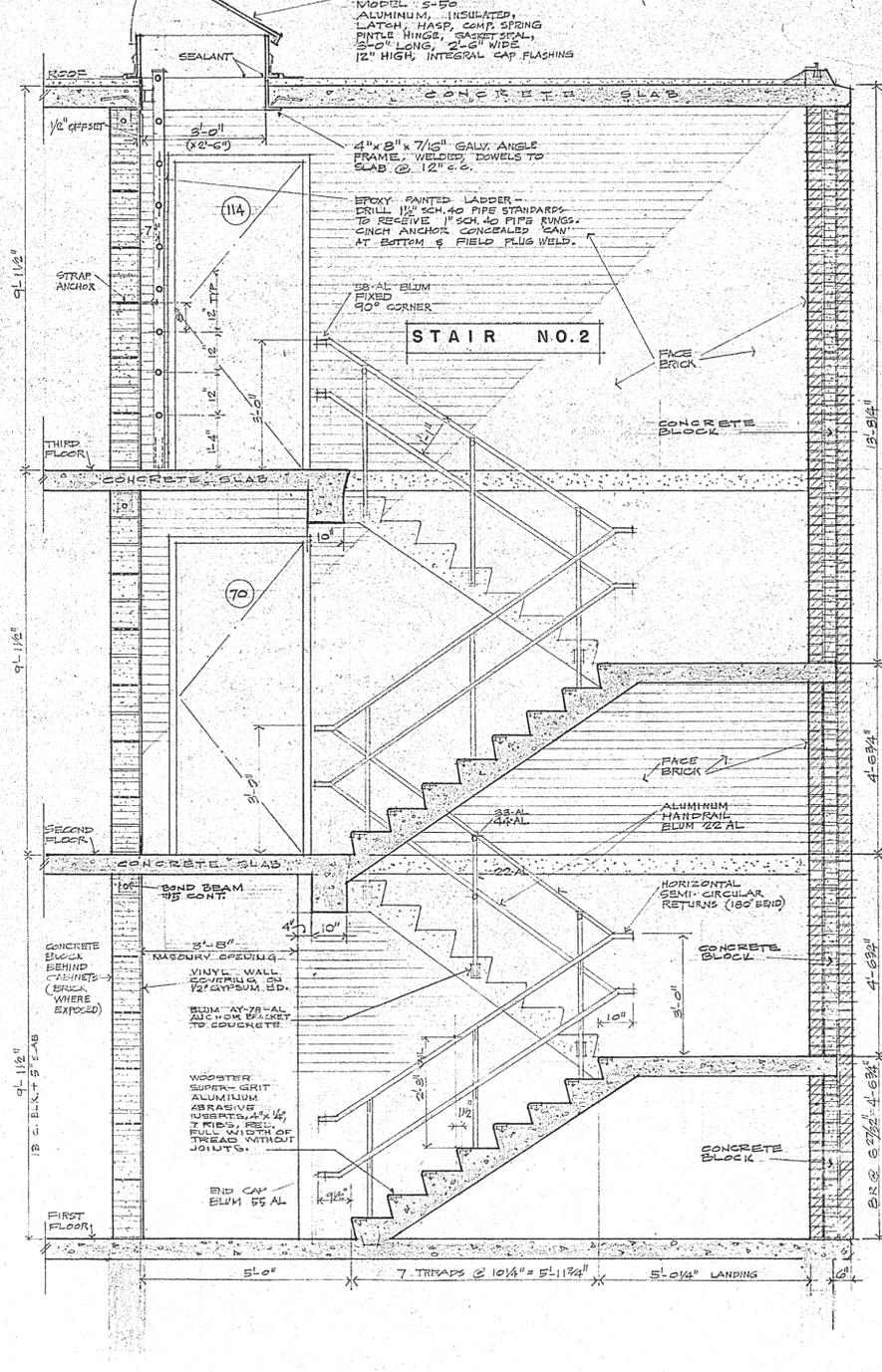
501 SECTION THRU EXT. EAST AND WEST WALLS
 SECTIONS
 1/2" = 1'-0"



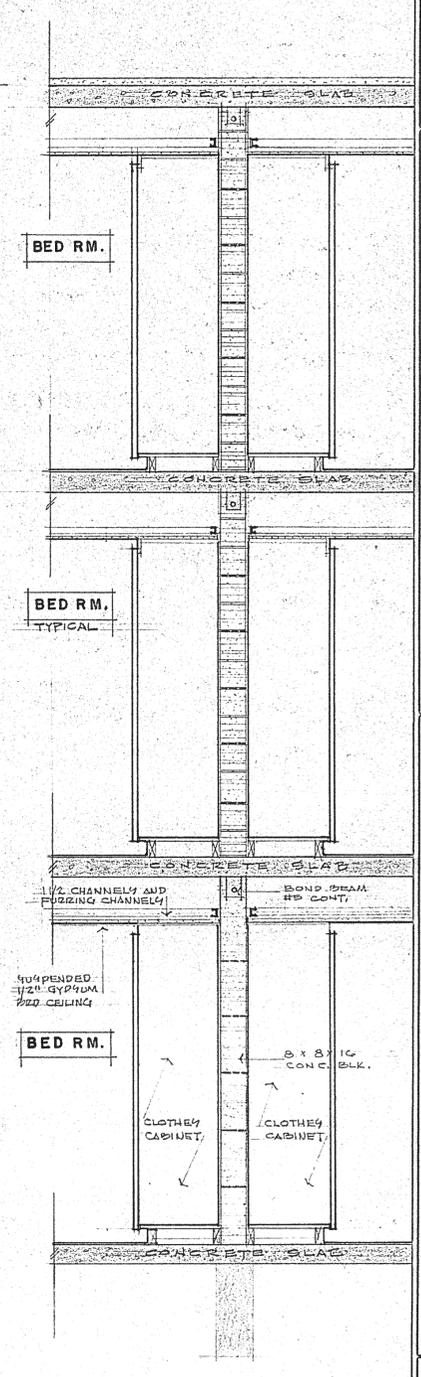
502 SECTION THRU EXT. NORTH AND SOUTH WALLS



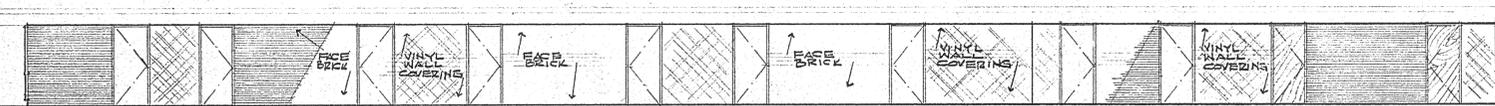
503 SECTION THRU CORRIDOR WALL AT EXPOSED BRICK



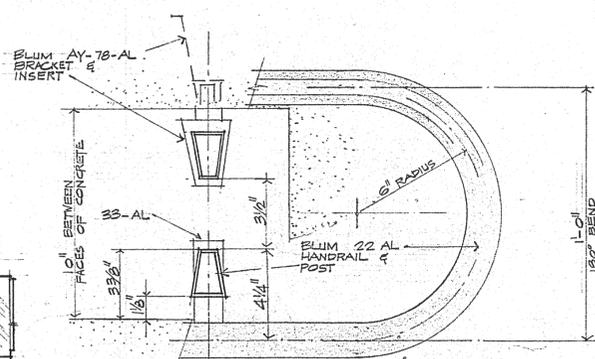
504 SECTION THRU STAIR NO. 2



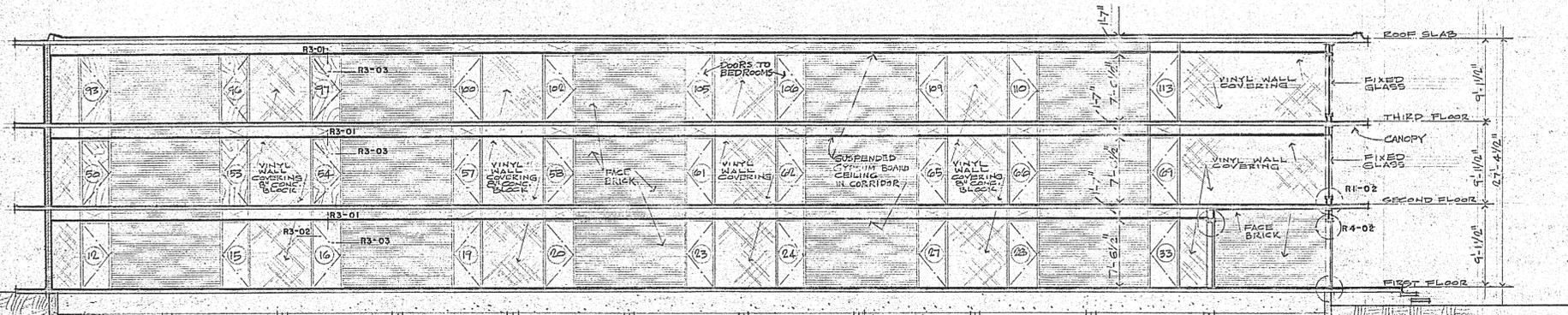
505 SECTION THRU TYP. WALL BETWEEN RMs. AT CLOTHES CAB.



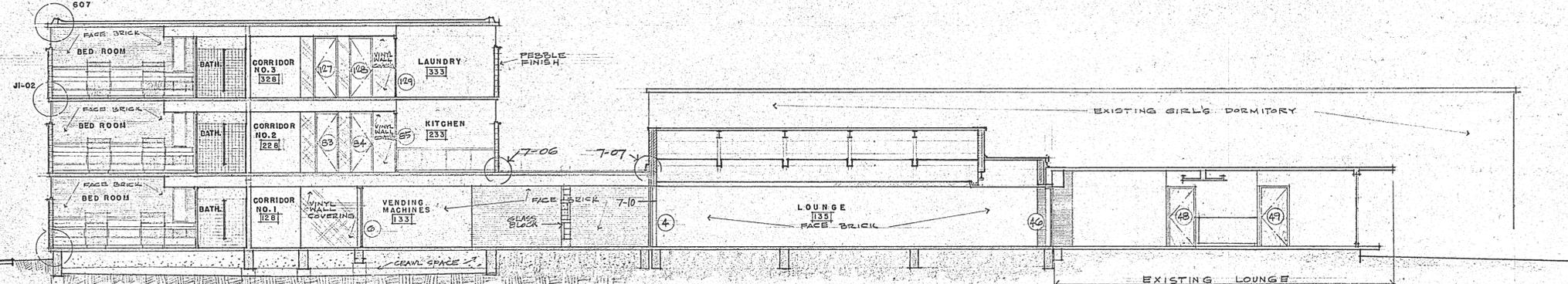
ELEVATION OF SECOND & THIRD FLOOR CORRIDOR SOUTH WALL (SOUTH WALL OF FIRST FLOOR CORRIDOR SIMILAR)
 1/8" = 1'-0"



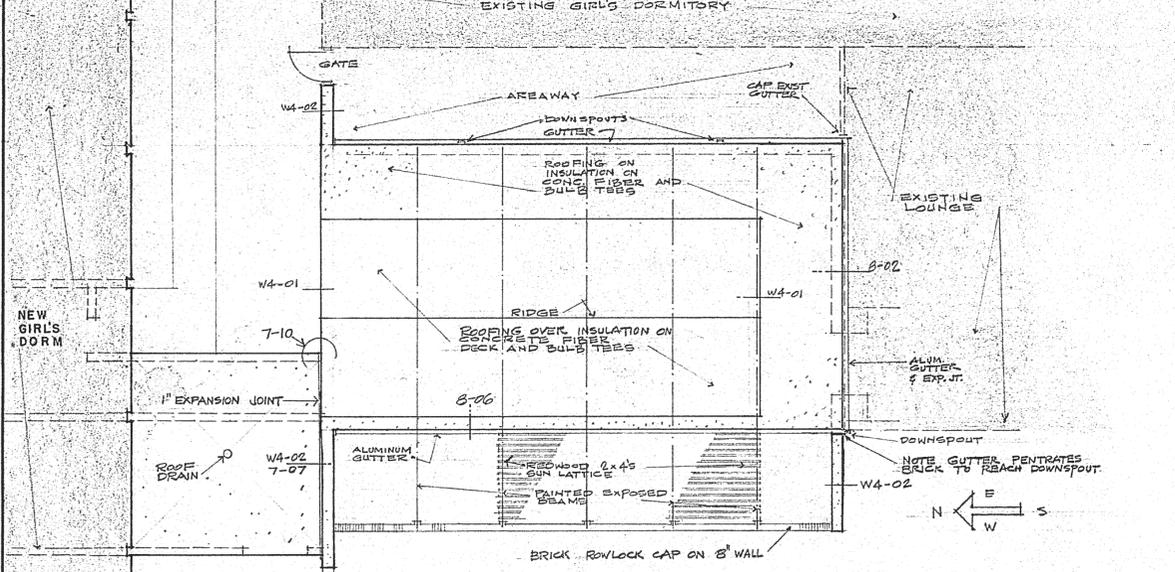
506 HANDRAIL PLAN
 3" = 1'-0"



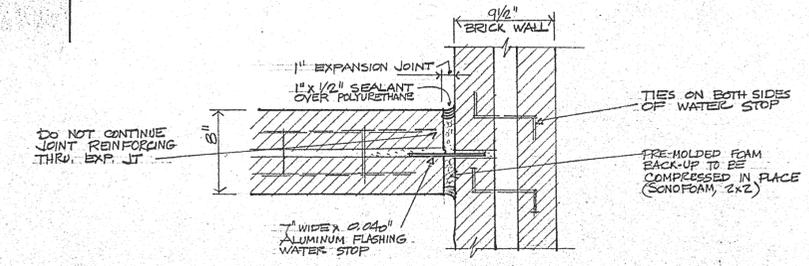
701 LONGITUDINAL SECTION THRU DORMITORY - LOOKING NORTH
1/8" = 1'-0"



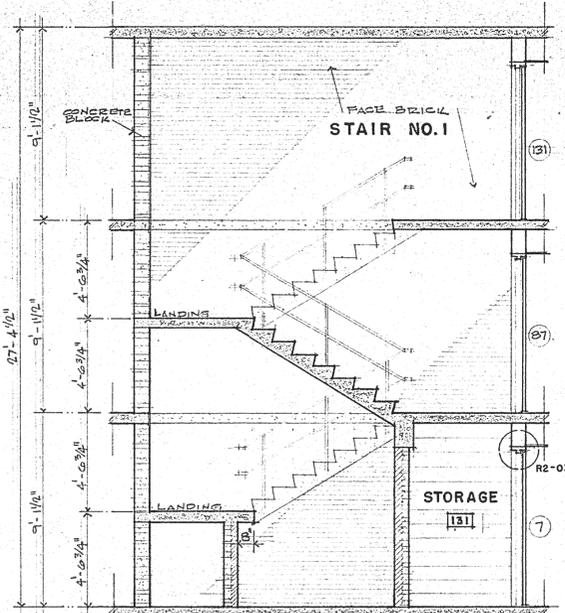
702 CROSS SECTION THRU DORMITORY AND LOUNGE - LK'NG EAST
1/8" = 1'-0"



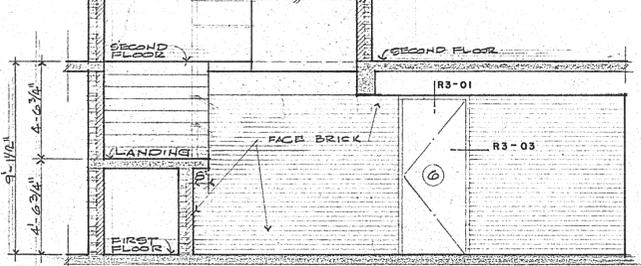
ROOF PLAN OF GIRL'S LOUNGE
1/8" = 1'-0"



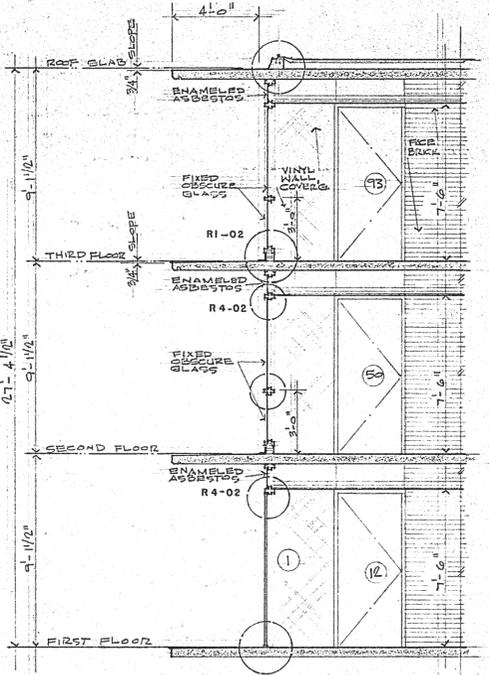
710 PLAN OF EXPANSION JOINT
1/2" = 1'-0" OTHER JOINTS SIMILAR



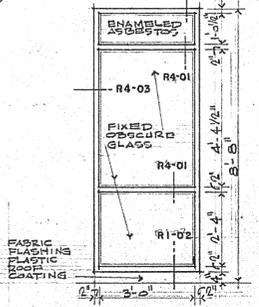
703 SECTION THRU STAIR NO.1
LOOKING WEST 1/4" = 1'-0"



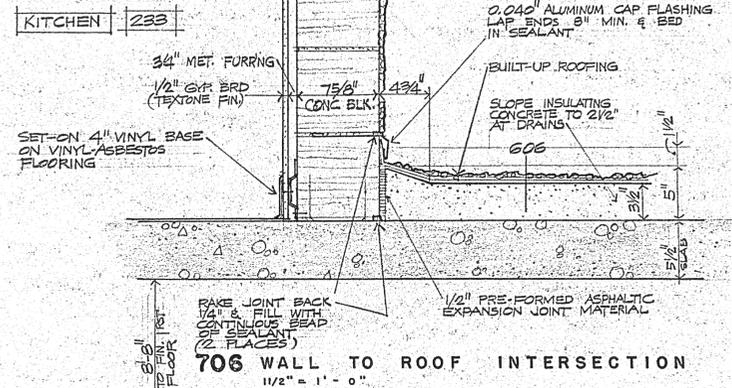
705 ELEVATION OF CORRIDOR NO. 2
1/4" = 1'-0"



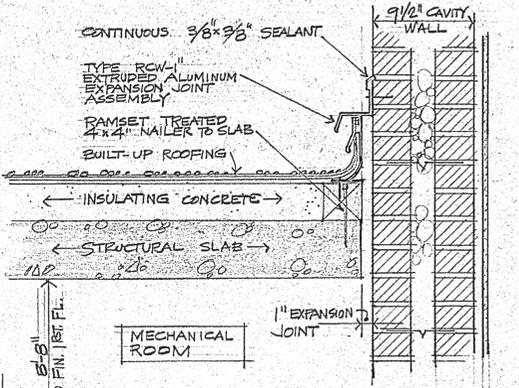
704 SECTION THRU WEST ENTRANCE
1/4" = 1'-0"



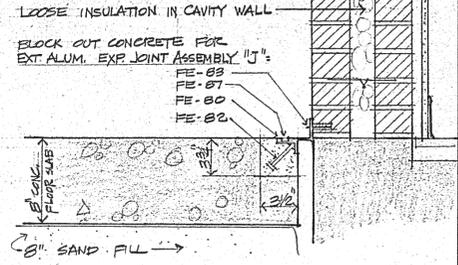
ELEVATION OF FIXED GLASS FRAME
3/8" = 1'-0"



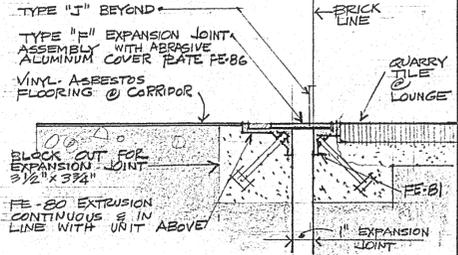
706 WALL TO ROOF INTERSECTION
1/2" = 1'-0"



707 EXP. JOINT AT ROOF
1/2" = 1'-0"



708 EXP. JOINT AT FLOOR
1/2" = 1'-0"



709 EXP. JOINT AT DOOR
1/2" = 1'-0"


ALLEN & GUNN A.I.A.
 ARCHITECTS
 PETROLEUM BUILDING
 LONGVIEW, TEXAS
 DATE: DEC 6 1955 REVISED: DRAWN BY:

ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
 KILGORE, TEXAS
 COMM. NO. 6501

BUILDING SECTIONS
 DETAILS
A 7

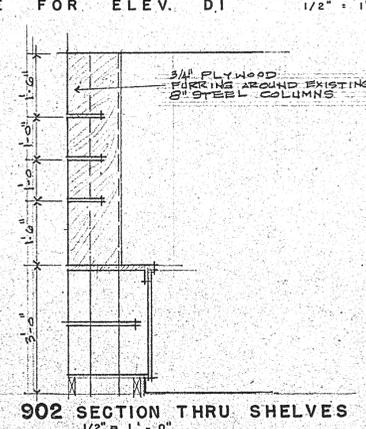
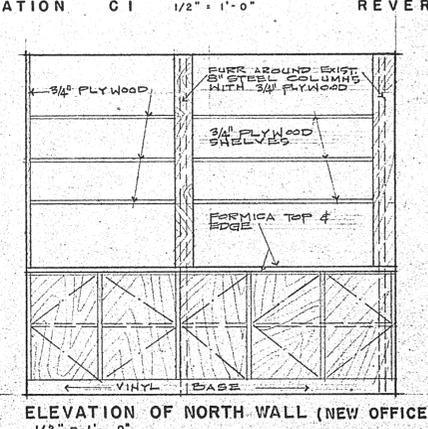
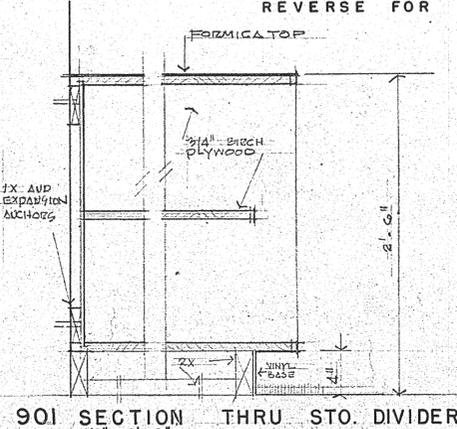
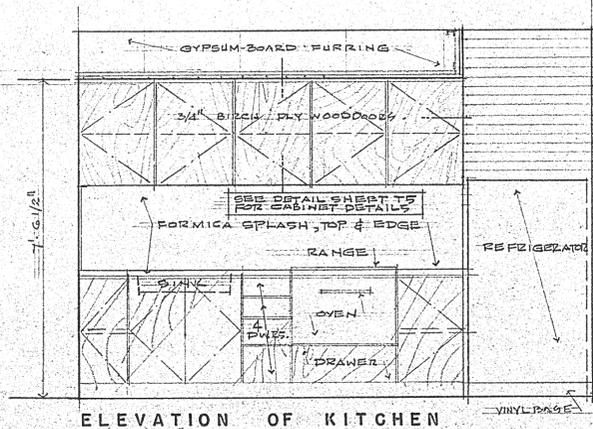
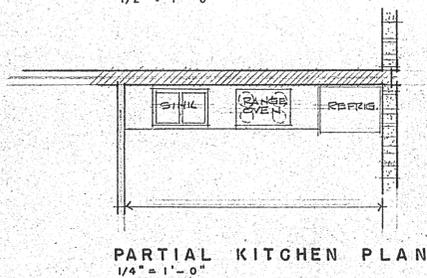
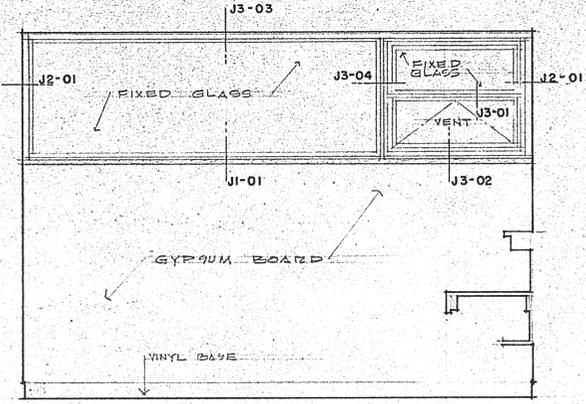
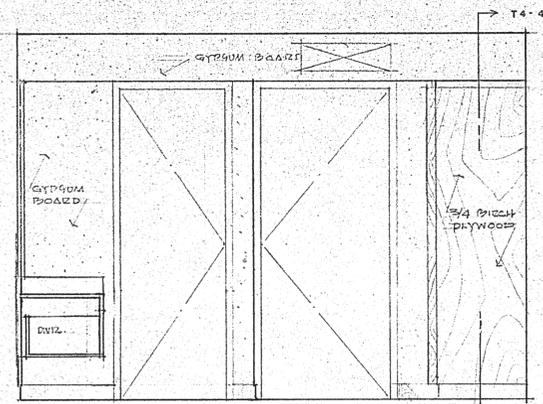
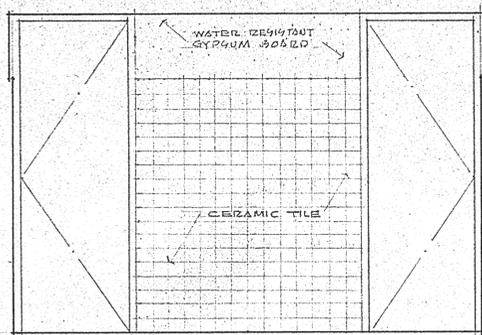
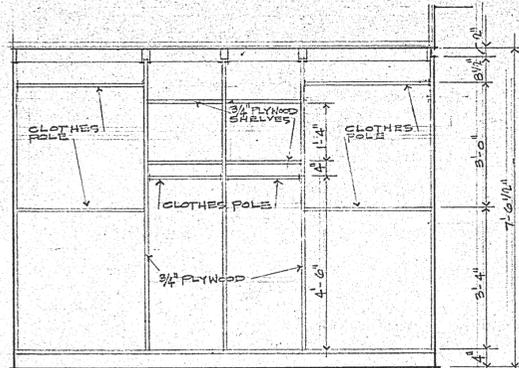
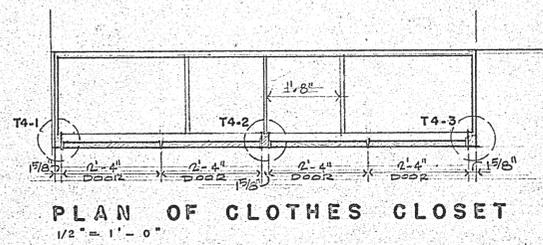
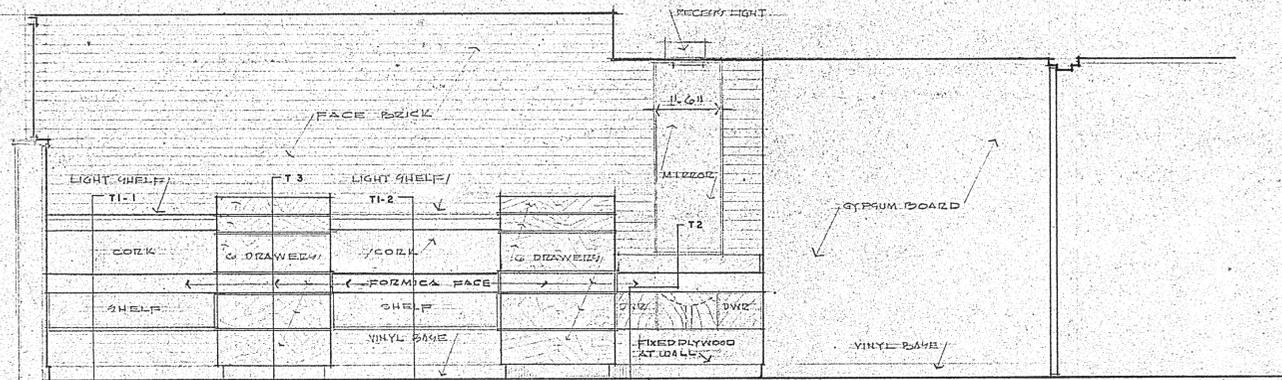
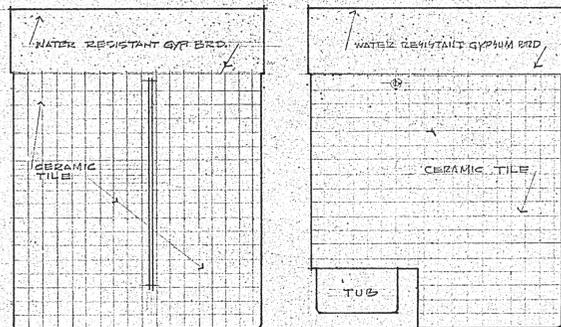
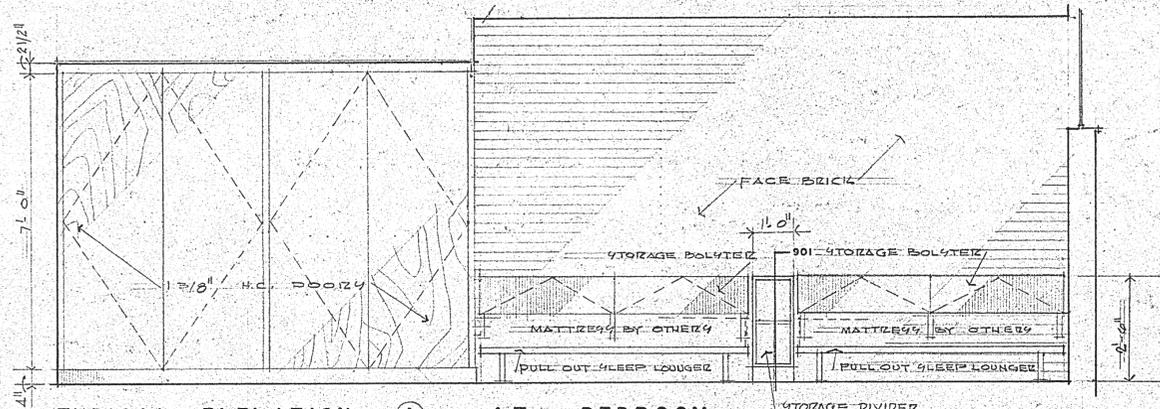
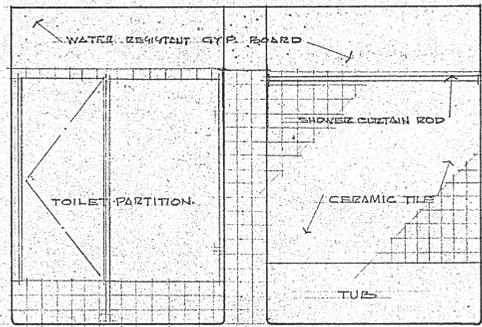
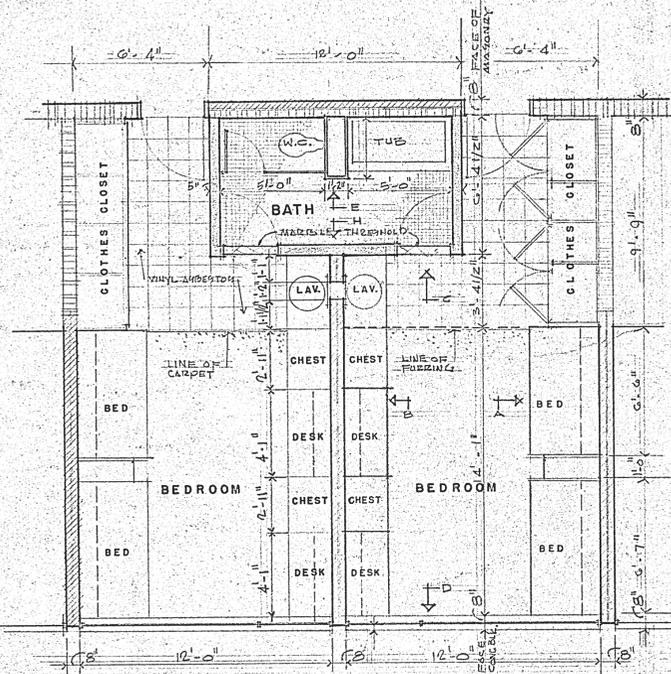


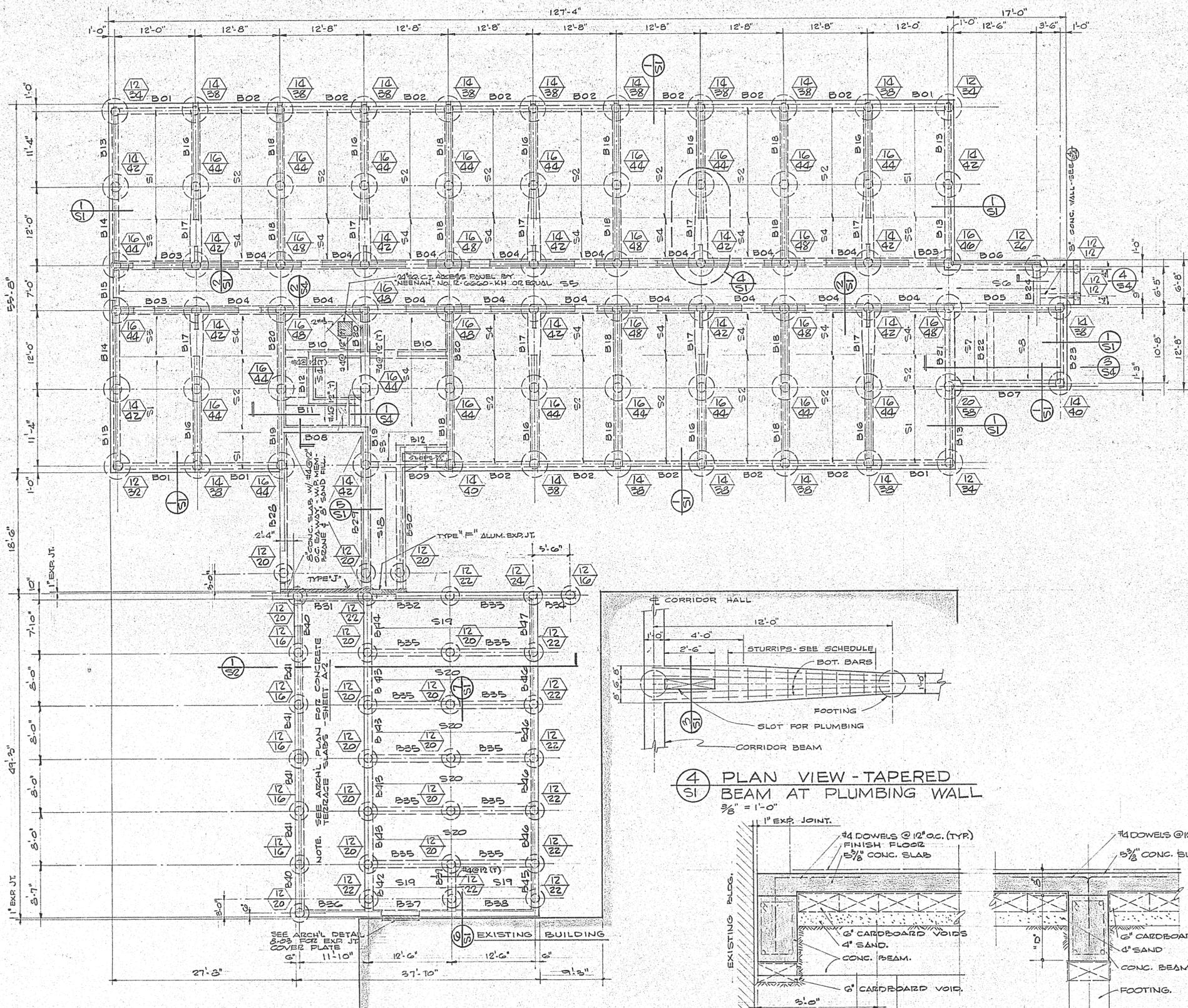
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 ARCHITECTS
 PETROLEUM BUILDING
 LONGVIEW, TEXAS

ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
 KILGORE, TEXAS

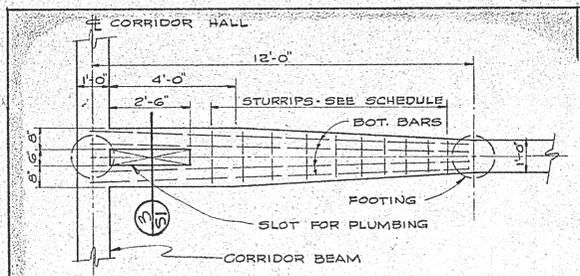
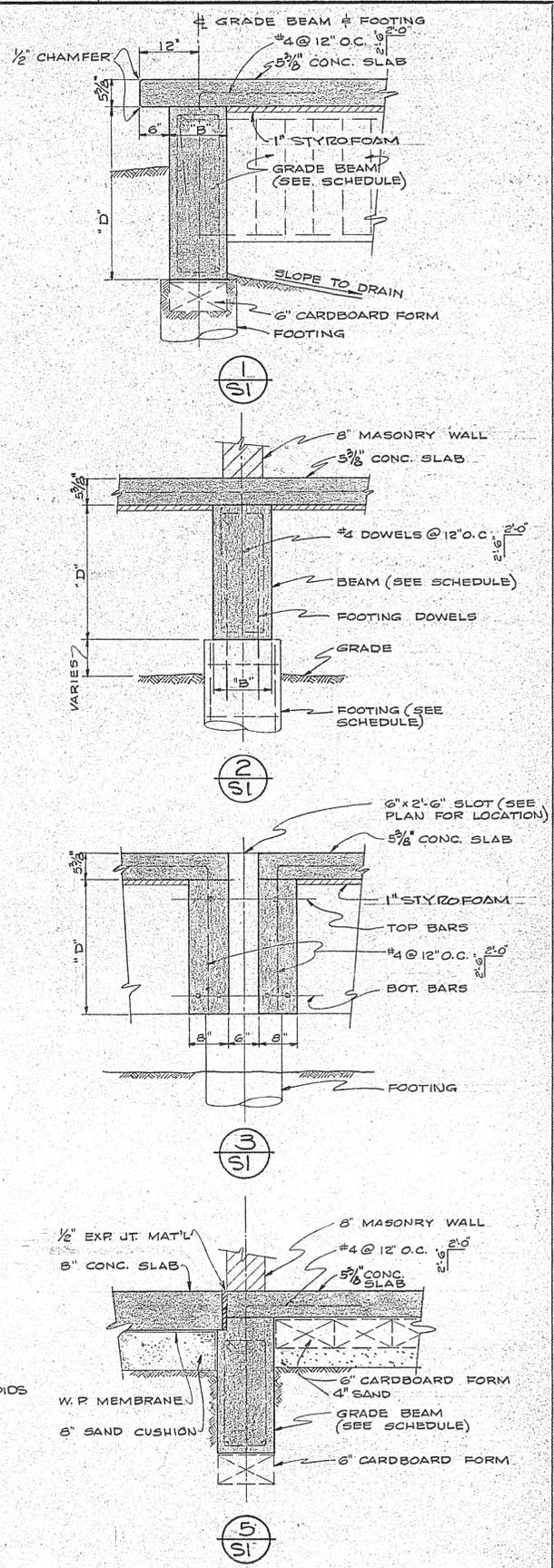
TYPICAL DORM ROOM FLOOR PLAN
 INTERIOR ELEVATIONS

DATE: DEC 6 1955 REVISED: DRAWN BY: COMM. NO. 6501

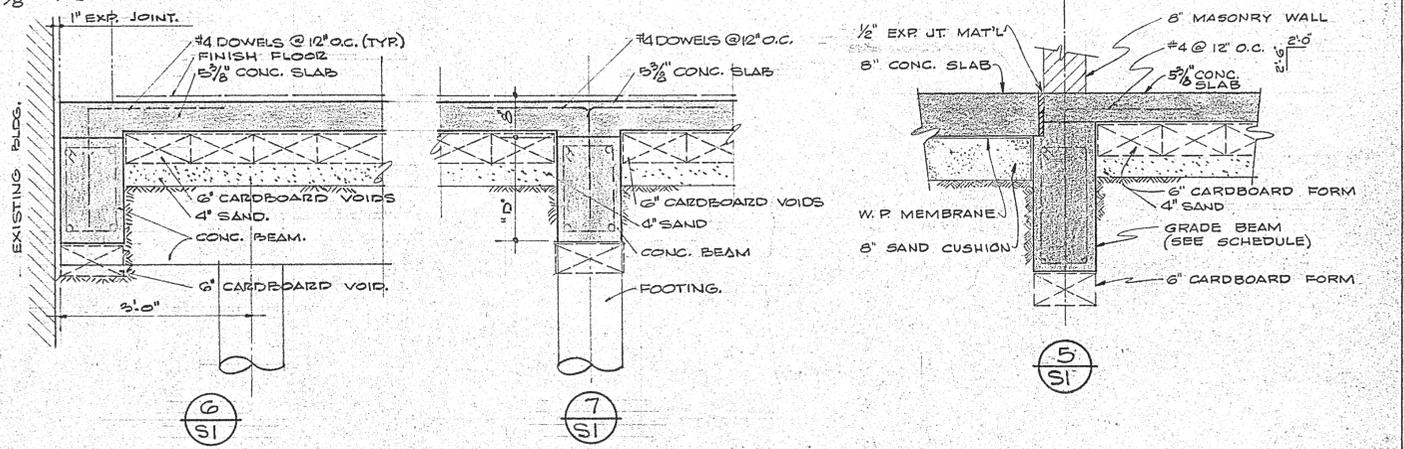




FOUNDATION & FIRST FLOOR FRAMING PLAN
 1/8" = 1'-0"



4 PLAN VIEW - TAPERED BEAM AT PLUMBING WALL
 3/8" = 1'-0"



ALLEN & GUINN A.I.A.
 ARCHITECTS
 PETROLEUM BUILDING
 LONGVIEW, TEXAS

ADDITION TO WOMEN'S DORMITORY
 KILGORE COLLEGE
 KILGORE, TEXAS



FOUNDATION & FIRST FLOOR
 ALLET, FENNER, JOLLY & McCLELLAND, INC.
 CONSULTING CIVIL & STRUCTURAL ENGINEERS
 SHREVEPORT, LOUISIANA

DATE: DEC. 1965 REVISED: DRAWN BY: R.C.

SHREVEPORT, LOUISIANA 70504



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 ARCHITECTS
 PETROLEUM BUILDINGS
 LONGVIEW, TEXAS

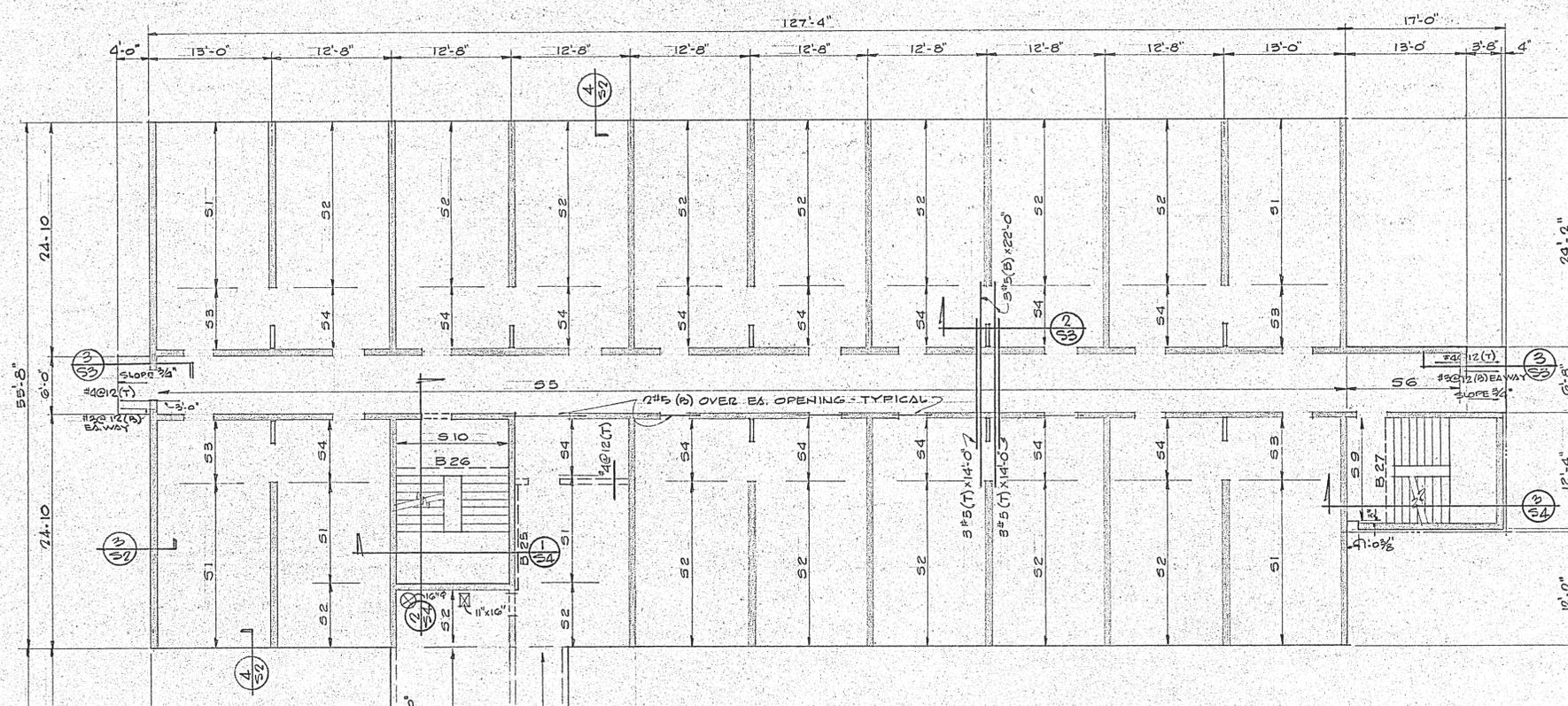
**ADDITION TO WOMEN'S DORMITORY
 KILGORE COLLEGE**
 KILGORE, TEXAS



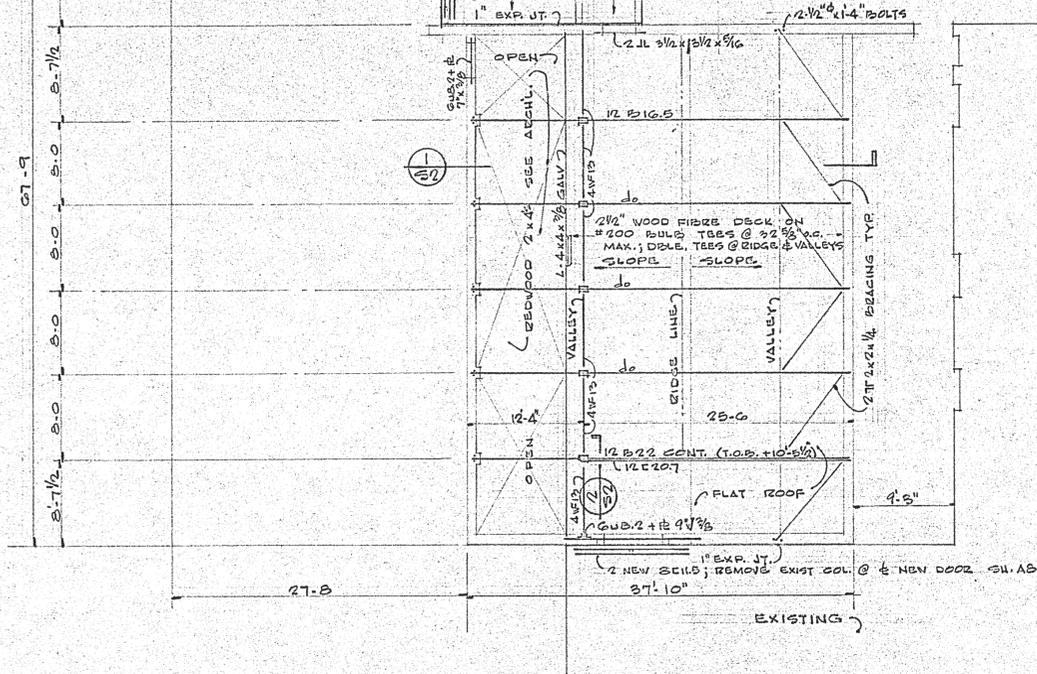
2ND FLOOR & LOUNGE ROOF
 ALLET, FENNER, JOLLY & MCCLELLAND, INC.
 CONSULTING CIVIL & STRUCTURAL ENGINEERS
 SHREVEPORT, LOUISIANA



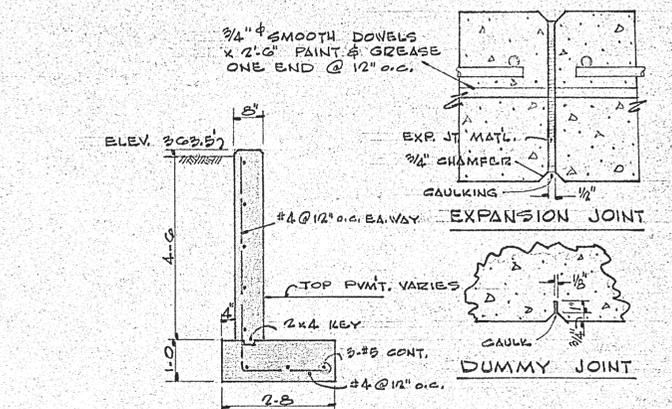
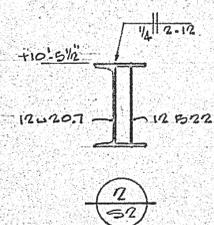
DATE: DEC. 1965 REVISED: DRAWN BY: B.F.



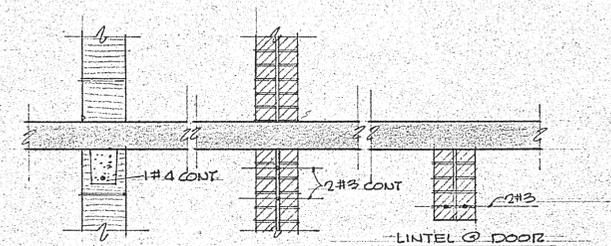
2ND FLOOR FRAMING PLAN
 1/8" = 1'-0"



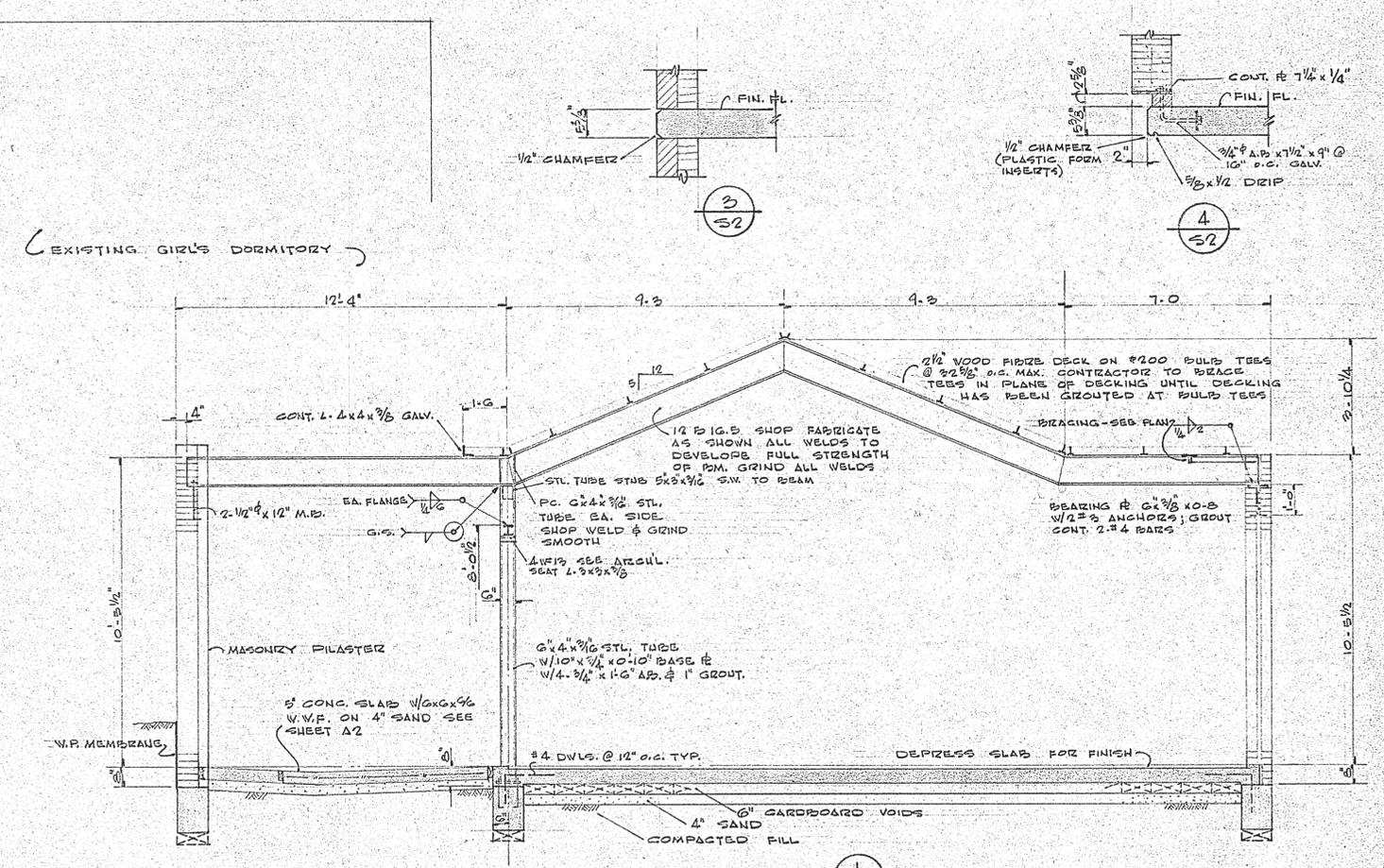
ROOF FRAMING PLAN (LOUNGE)
 1/8" = 1'-0"



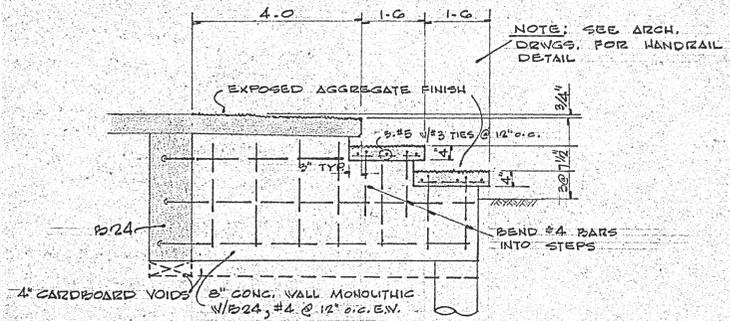
RETAINING WALL (SEE SH. A-1)
 EXPANSION JTS. @ 50' O.C. ±
 DUMMY JOINTS @ 10' O.C. ±



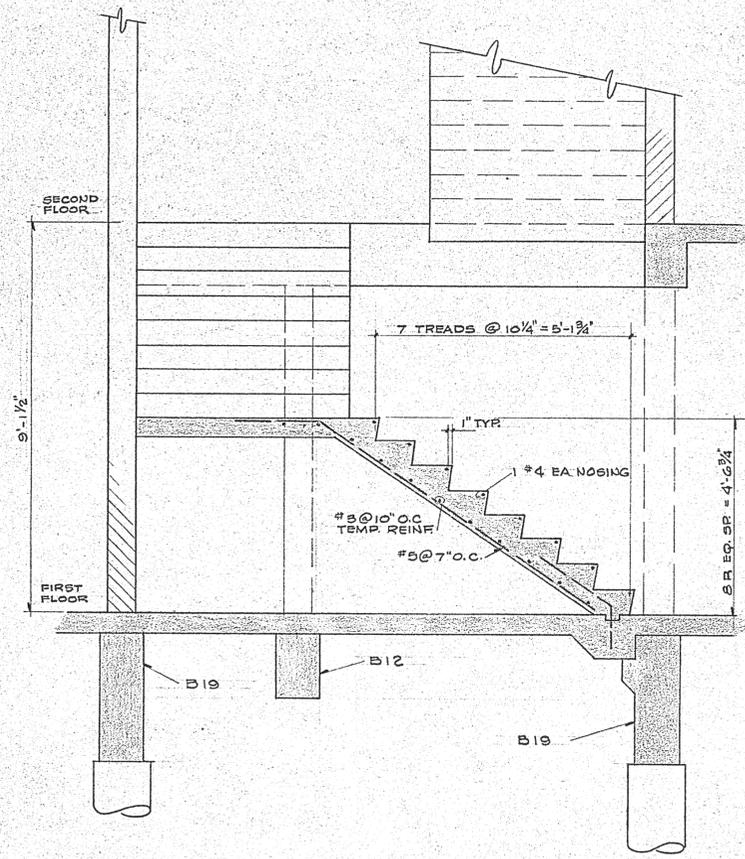
TYPICAL BOND BEAMS & LINTEL



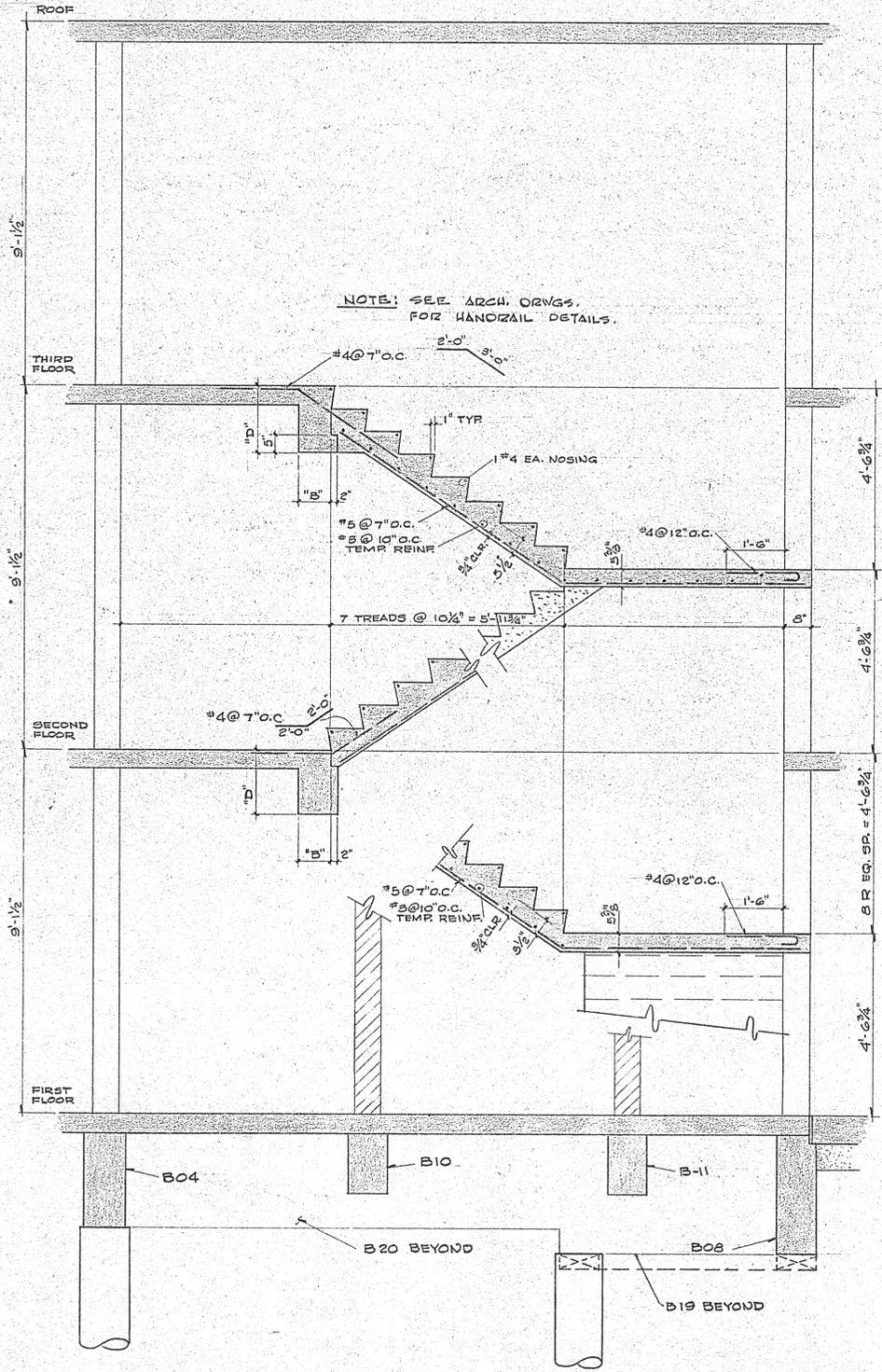
EXISTING GIRL'S DORMITORY



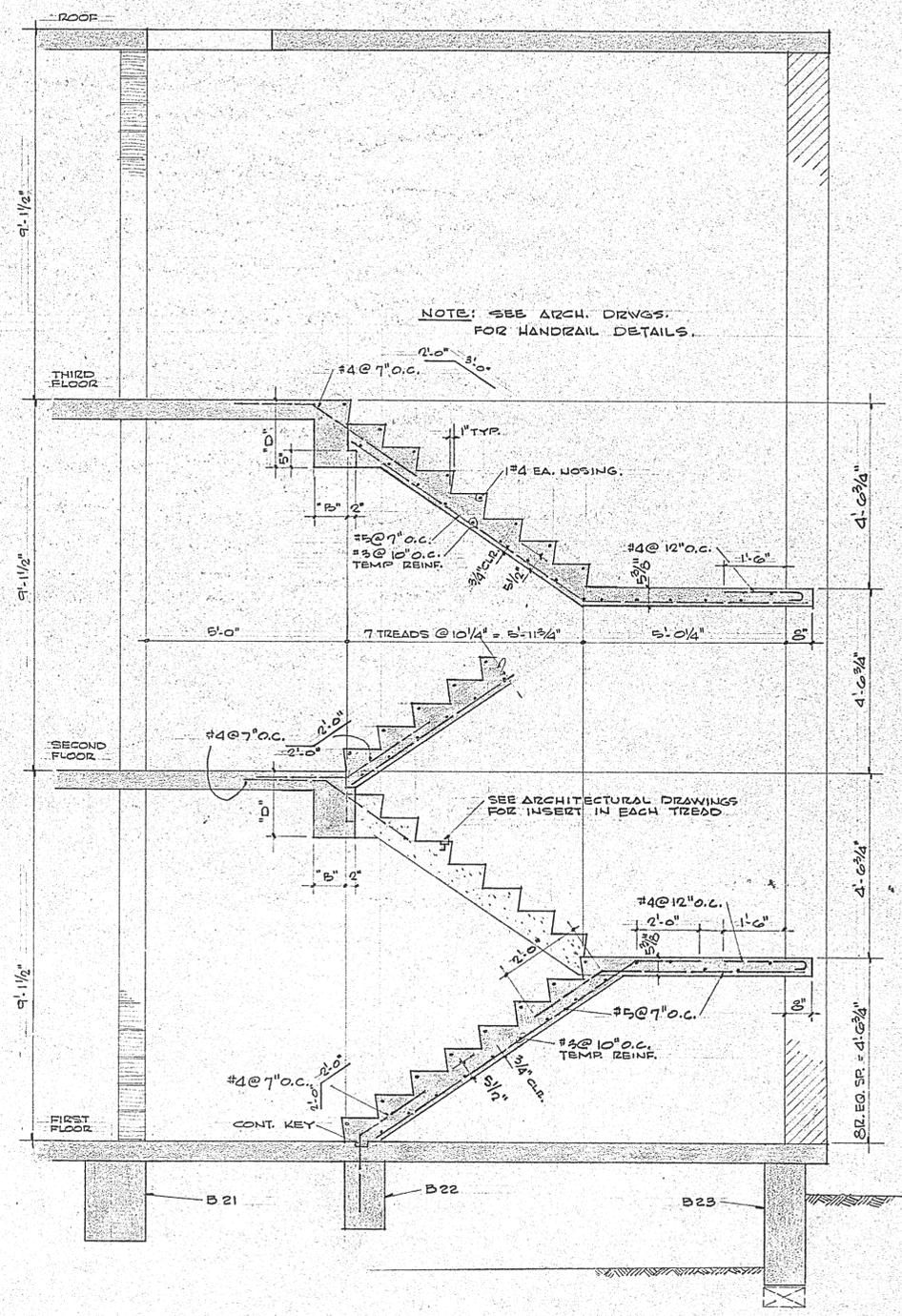
4
SA



1 SECTION - STAIR #1
1/2" = 1'-0"



2 SECTION - STAIR #1
1/2" = 1'-0"



3 SECTION - STAIR #2
1/2" = 1'-0"



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LONGVIEW, TEXAS

ADDITION TO WOMEN'S DORMITORY
KILGORE COLLEGE
KILGORE, TEXAS
COMM. NO. 6501

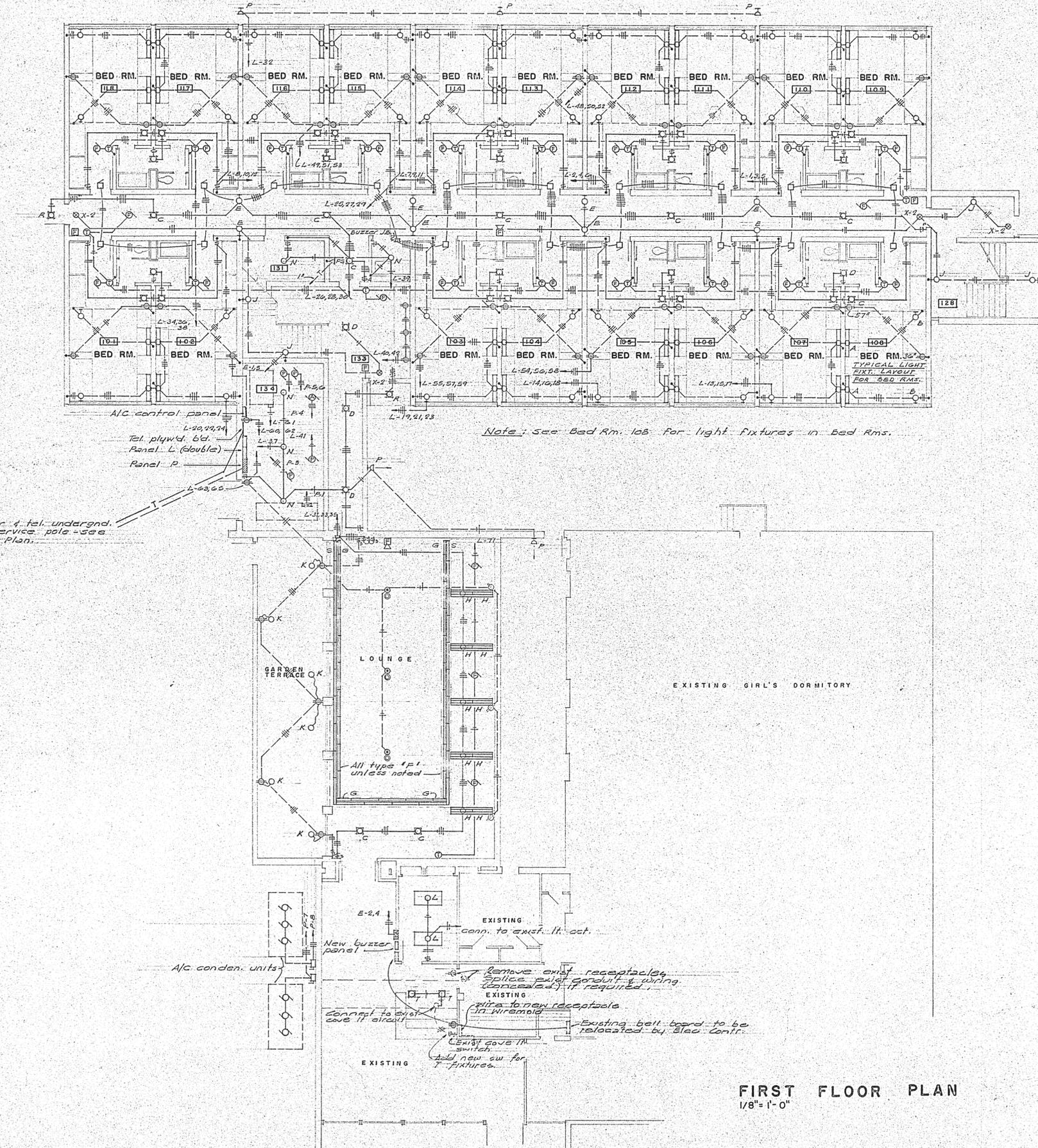


STAIR SECTIONS
ALLET, FENNER, JOLLY & McCLELLAND, INC.
CONSULTING CIVIL & STRUCTURAL ENGINEERS
SHREVEPORT LOUISIANA

SA

DATE: DEC. 1965 REVISED: DRAWN BY: IZC.

PROWAYS 5004K 500 13-64



FIRST FLOOR PLAN
1/8" = 1'-0"

| ELECTRICAL SYMBOLS | | | |
|--------------------|--------------------------------------|--------|--|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| ○ | Fluorescent light fixture | ⊕ | 1-pole toggle switch |
| ○ | Incandescent " surface | ⊕ | 3-way " " |
| ⊕ | " " recessed | ⊕ | 1-pole " " w/pilot |
| ⊕ | " " bracket | ⊕ | Safety switch |
| ⊕ | Floodlight fixture | ⊕ | Thermostat & multi-speed fan switch |
| ⊕ | Exit light | ⊕ | Clock outlet |
| ⊕ | Duplex receptacle - 120v. | ⊕ | Equipment outlet as noted |
| ⊕ | Simplex " - 220v.-30A. | ⊕ | Signal system buzzer outlet above door |
| ⊕ | Floor " - 120v. | ⊕ | Fire alarm station-breakglass |
| ⊕ | " for TV antenna | ⊕ | " signal-flush horn |
| ⊕ | Fan-coil unit | ⊕ | " control panel |
| ⊕ | Telephone outlet, pay station-up 54" | ⊕ | Power homerun w/circuit no. |
| ⊕ | " conduit - 3/4" unless noted | ⊕ | Signal system wiring (#22 bell wire) |
| ⊕ | Power conduit in ceiling or wall | ⊕ | Power conduit in floor or underghd. |
| ⊕ | Conduit riser in wall | ⊕ | Exhaust fan on roof |

| LIGHTING FIXTURES | | | | |
|-------------------|-----------------|-----------|------------|--|
| MARK | MANUFACTURER | CAT. NO. | LAMP | REMARKS |
| A | Harris | S-1-40H | 1-40W-RS | w/ pull switch & gnd. conv. recept. see arch. det. for mtg. |
| * B | Prescolite | S-61-2 | 2-100W-A19 | Color as selected by Arch. |
| C | " | 7A | 150W-R40 | Matte white fin. |
| D | " | 1015-G315 | 150W-A23 | " " " |
| E | Wagner/Woodruff | 3242/14 | 100W-A19 | " " " |
| F | Harris | S-1-40H | 1-40W-RS | Mtd. in cove - see arch. det. |
| G | " | S-1-20H | 1-20W-TS | " " " |
| H | " | S-3-30H | 3-30W-RS | w/sink Parahex Louver, sat. alum. fin., 2-10"x30" pieces per fixt. unit - see arch. det. |
| J | Prescolite | WB-17 | 2-100W-A19 | Eq. lamp on sep. cct., mtg. hgt. as direct. |
| K | " | 5325 | 150W-A23 | Complete w/stake & cordset; color as sel. |
| L | Daybrite | 4F12-784 | 4-40W-R5 | Verify cig. type prior to ordering |
| M | " | 4F21-734 | 2-40W-R5 | " " " |
| N | Arrow | 434A | 100W-A19 | " " " |
| P | Moldcast | M-140 | 150W-R40 | For conduit mtg. to outlet box |
| X-1 | Prescolite | WTN-52 | 2-25W-A19 | " " " |
| X-2 | " | GN-52 | 2-25W-A19 | " " " |
| R | " | 70XFP | 150W-A23 | " " " |
| S | Harris | S-1-30H | 1-30W-RS | Same as "F" |
| T | Prescolite | 90AR | 150W | Matte white finish |

* One light up & one light down. Hgt. ab. floor as direct by Arch.

| PANELBOARD & FEEDER SCHEDULE | | | | | |
|------------------------------|--|------------|-------------|---------------------|------------------------|
| MARK | MAINS | BRANCHES | CIR. NO. | FEEDER | FEEDING |
| P | 120/208V-3φ-4W 600A. main lugs w/split bus sect. | 1-300A-3p. | 1 | 3#300MCM-THW-2 1/2" | A/C chiller |
| | | 1-300A-3p. | 2 | 4#300MCM-THW-3" | Panel L |
| | | 1-100A-3p. | 3 | 3#2 cables | Split bus |
| | | 1-20A-3p. | 3 | 3#12-1/2" c. | Ch. Hot wtr pump |
| | | 2-15A-3p. | 4, 5, 6 | 3#12-1/2" c. | Air unit |
| L | 120/208V-3φ-4W 400A. main lugs. | 2-20A-2p. | 7, 8 | 3#12-1/2" c. | Duplex cond. ret. unit |
| | | 3-20A-1p. | | 3#12-1/2" c. | A/C condensing units |
| | | 4-30A-2p. | | 3#6-11" c. | |
| E | 120/240V-1φ-3W 50A. main lugs. | 2-20A-1p. | 1, 3 | 3#12-1/2" c. | Lts. outlets, etc. |
| | | 2-15A-1p. | 2, 4 | 3#12-1/2" c. | Spares |
| | | 1-50A-2p. | 6, 8, 9, 10 | Eq. 3#10-3/4" c. | Elec. dryers |
| | | | 6, 8 | 3#6-11" c. | " range |

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

ALLEN & GUNN A.I.A.

ARCHITECTS

PETROLEUM BUILDING

LONGVIEW, TEXAS

DATE: _____

REVISED: _____

DRAWN BY: _____

ADDITION TO WOMEN'S DORMITORY

KILGORE COLLEGE

KILGORE, TEXAS

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

JOHN L. GUTH, JR.

14405

MECHANICAL & ELECTRICAL ENGINEERS

FIRST NATIONAL BANK BLDG.

LONGVIEW, TEXAS

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

JOHN L. GUTH, JR.

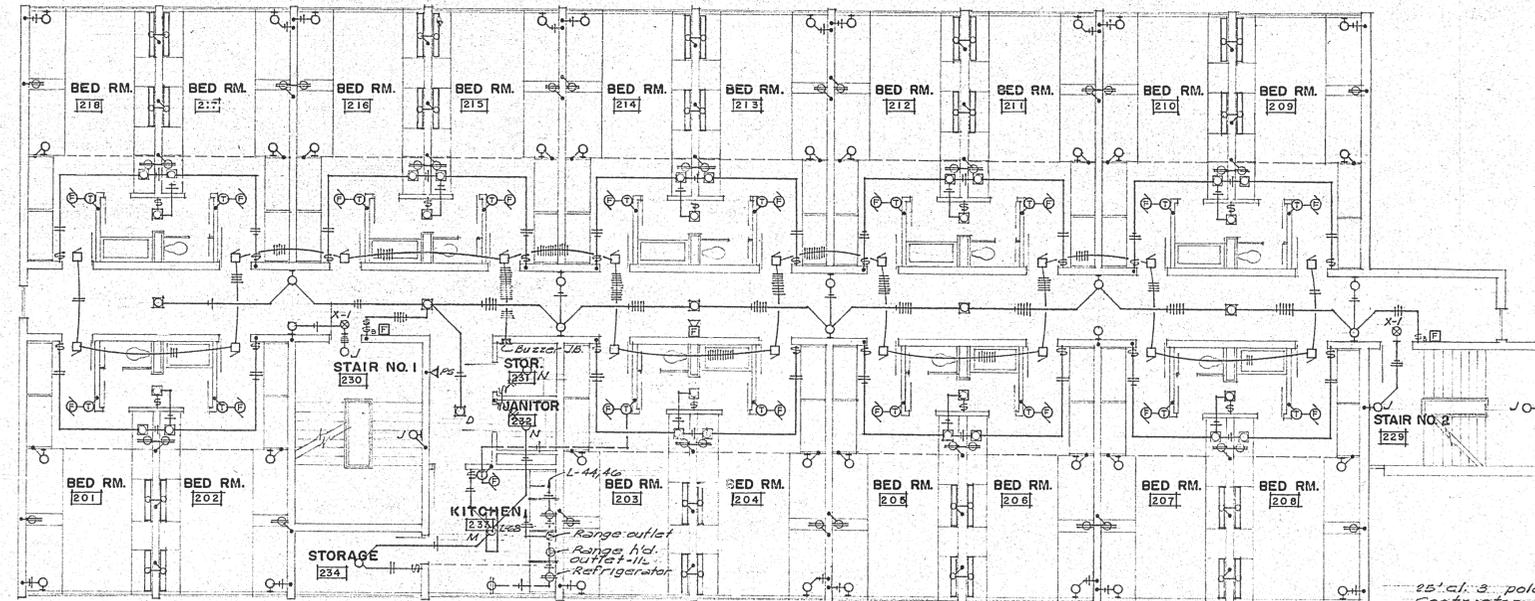
14405

MECHANICAL & ELECTRICAL ENGINEERS

FIRST NATIONAL BANK BLDG.

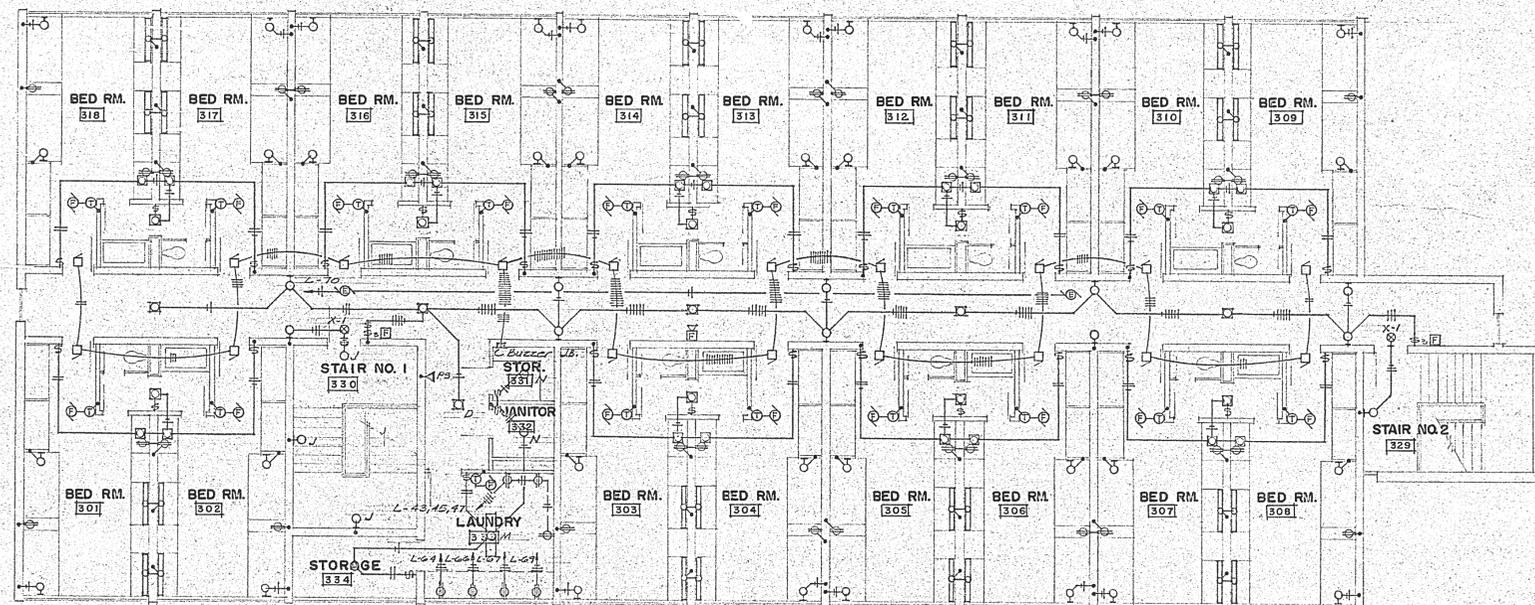
LONGVIEW, TEXAS

COMM. NO. 6501



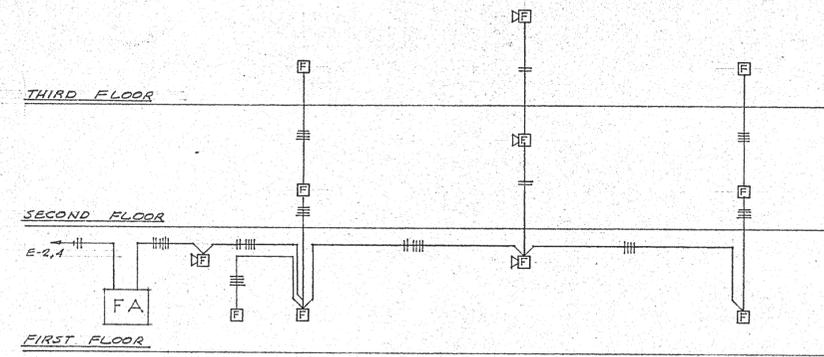
Note: See specs. for kit. equip.
See Bed Rm. 108 for typ. lt. fixt. type & mtg. hghts.

SECOND FLOOR PLAN
1/8" = 1' - 0"



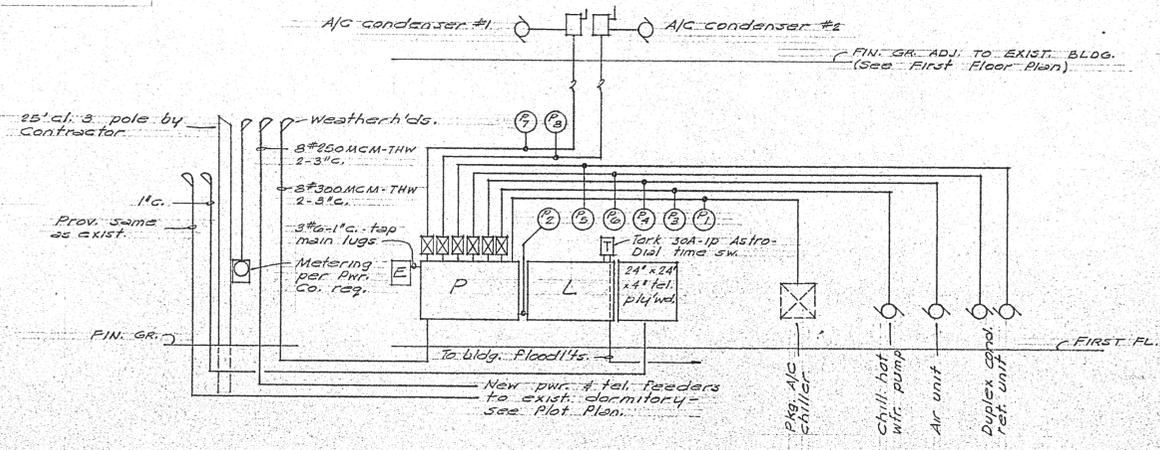
Note: See Bed Rm. 108 for typ. lt. fixt. type & mtg. hghts.

THIRD FLOOR PLAN
1/8" = 1' - 0"

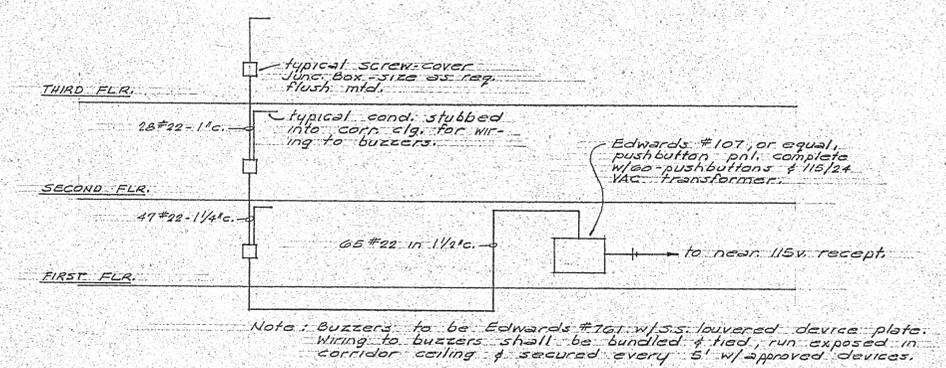


Note: All wiring to be #14AWG.

FIRE ALARM RISER DIAGRAM



ELECTRICAL AND TELEPHONE DIAGRAM



Note: Buzzers to be Edwards #101 w/ 5.5. covered device plate. Wiring to buzzers shall be bundled & tied, run exposed in corridor ceiling & secured every 5' w/ approved devices.

SIGNAL SYSTEM RISER DIAGRAM



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ELECTRICAL
MALAHY & GUTH
MECHANICAL & ELECTRICAL ENGINEERS
FIRST NATIONAL BANK BLDG.
LONGVIEW, TEXAS



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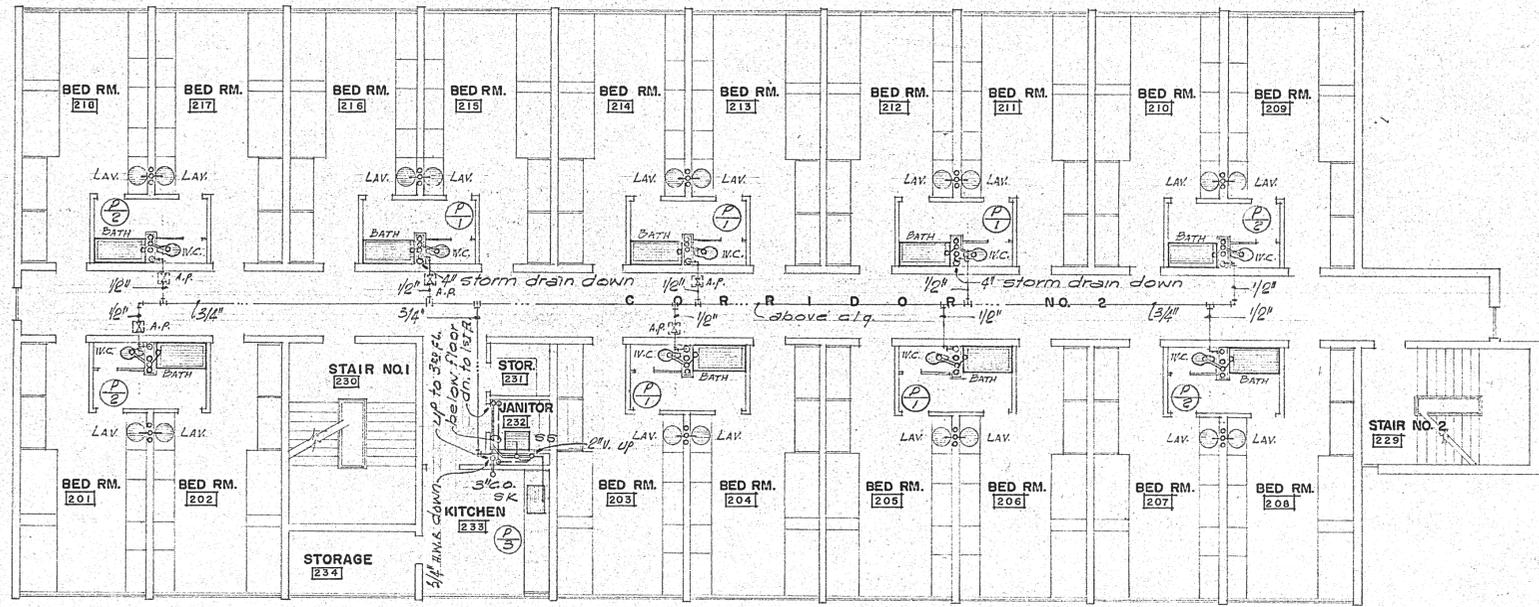
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 LONGVIEW, TEXAS
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 REVISED:
 DATE:

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 KILGORE COLLEGE
 KILGORE, TEXAS
 COMM. NO. 6501

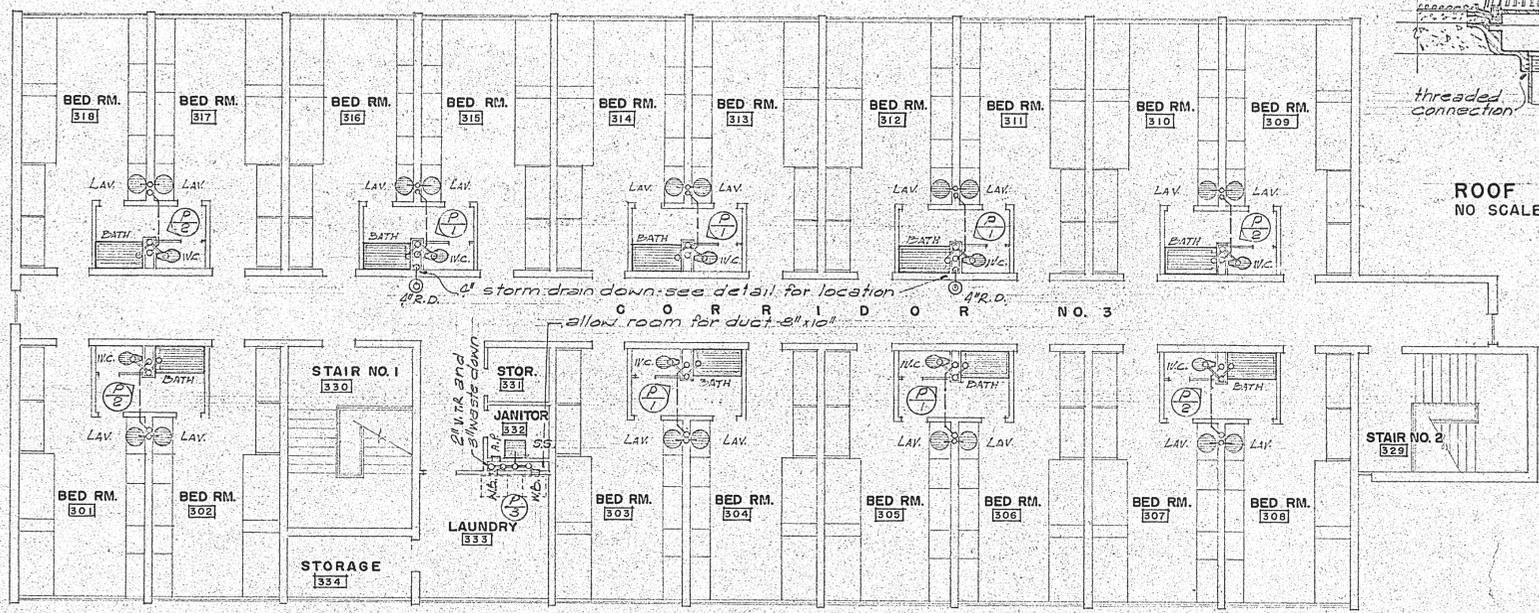


PLUMBING
 MALAHY & GUTH
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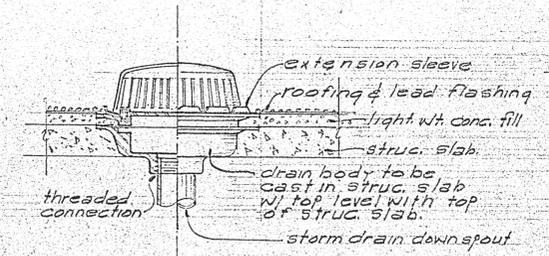
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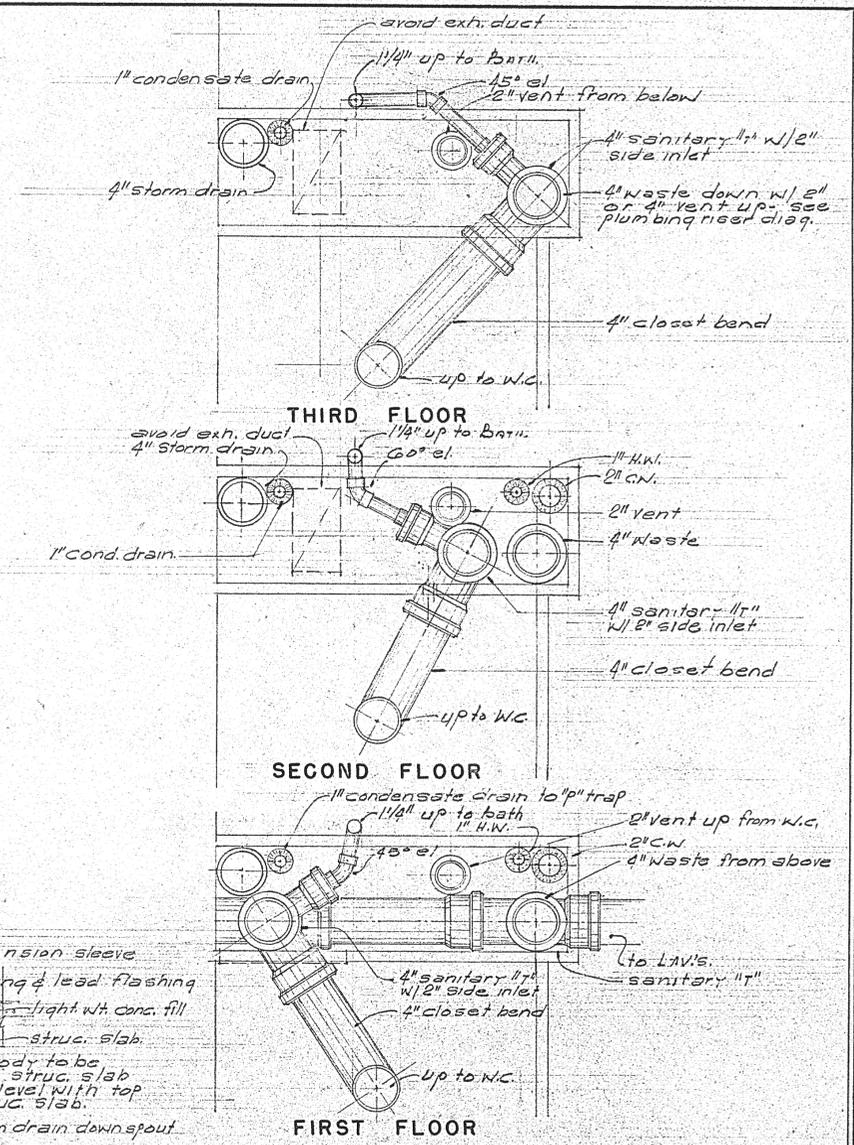
SECOND FLOOR PLAN
 1/8" = 1' - 0"



THIRD FLOOR PLAN
 1/8" = 1' - 0"

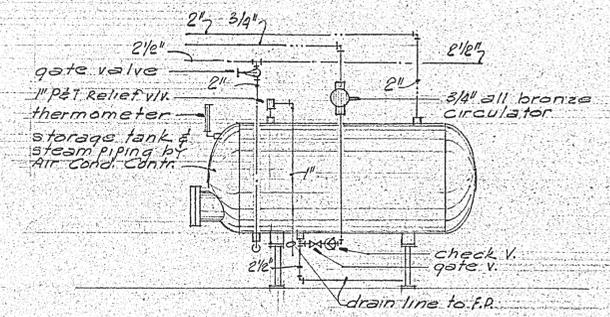


ROOF DRAIN DETAIL
 NO SCALE



DETAILS OF SOIL AND VENT STACK
 AT WATER CLOSETS

SCALE 1/2" = 1' - 0"
 NOTE: condensate drain lines are by Air Conditioning Contractor.



HOT WATER STORAGE HEATER
 PIPING DIAGRAM
 NO SCALE



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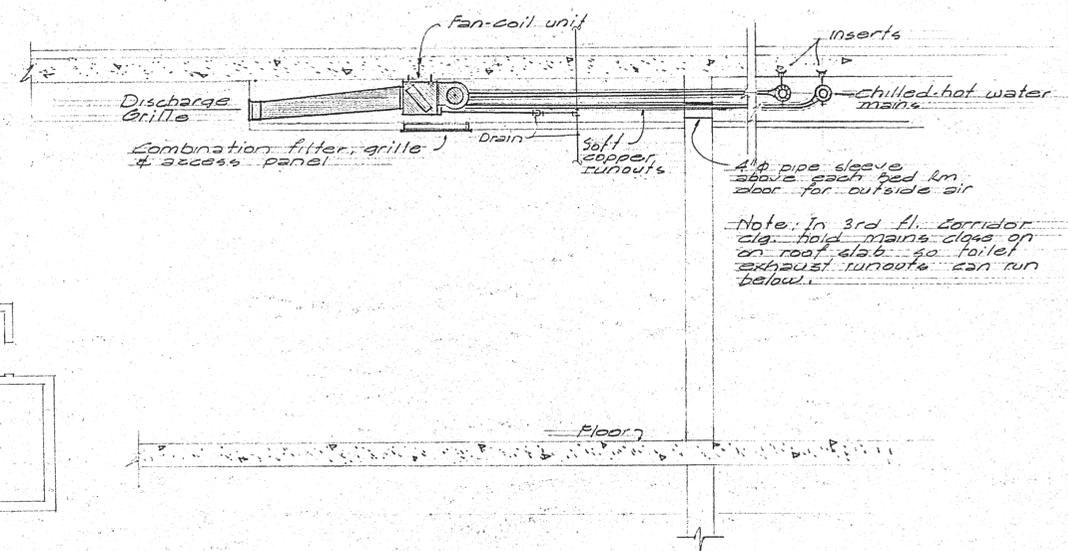
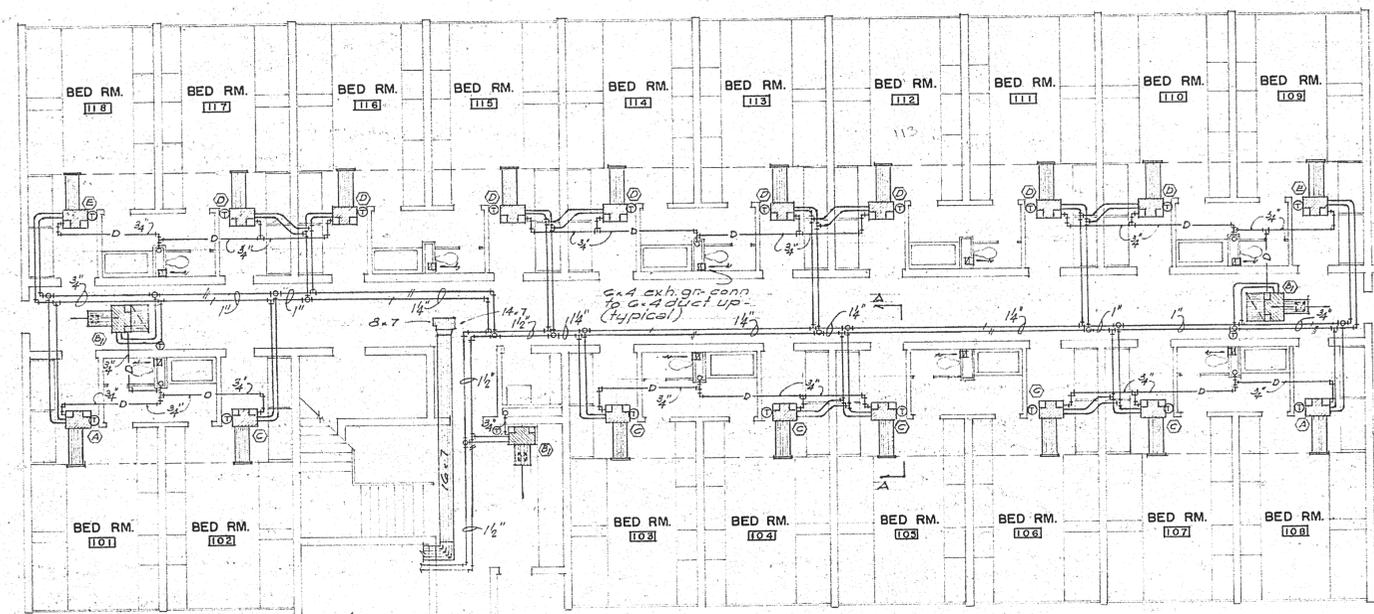


AIR CONDITIONING
MALAHY & GUTH
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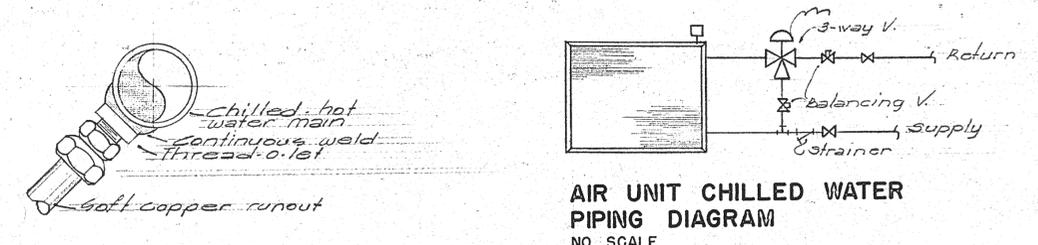


ENGINEERS 30041 500 1544

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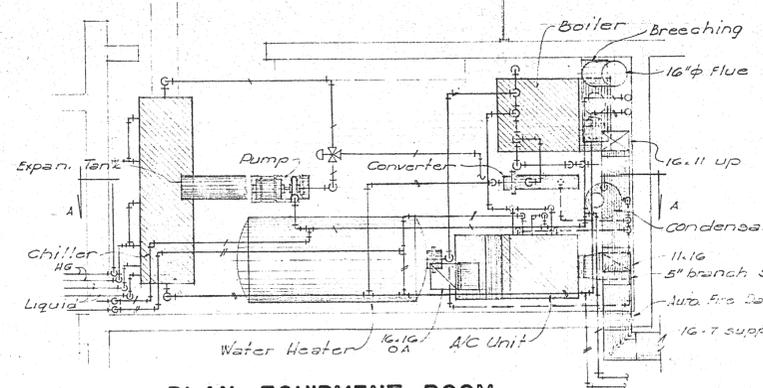


SECTION A-A THRU FAN COIL UNIT
 1/2" = 1'-0" Typical for all Bed Rm. units

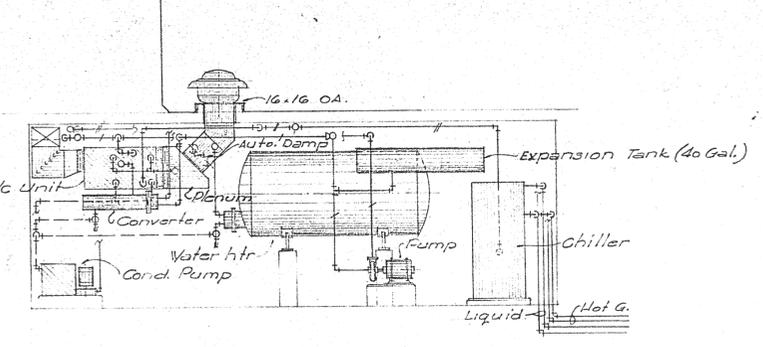


AIR UNIT CHILLED WATER PIPING DIAGRAM
 NO SCALE

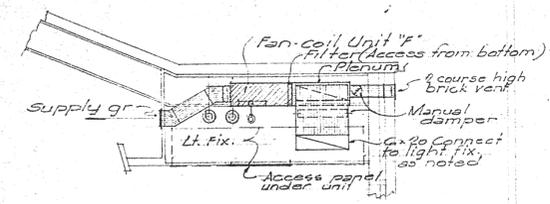
TYPICAL CHILLED-HOT WTR. FAN COIL UNIT RUNOUT
 NO SCALE



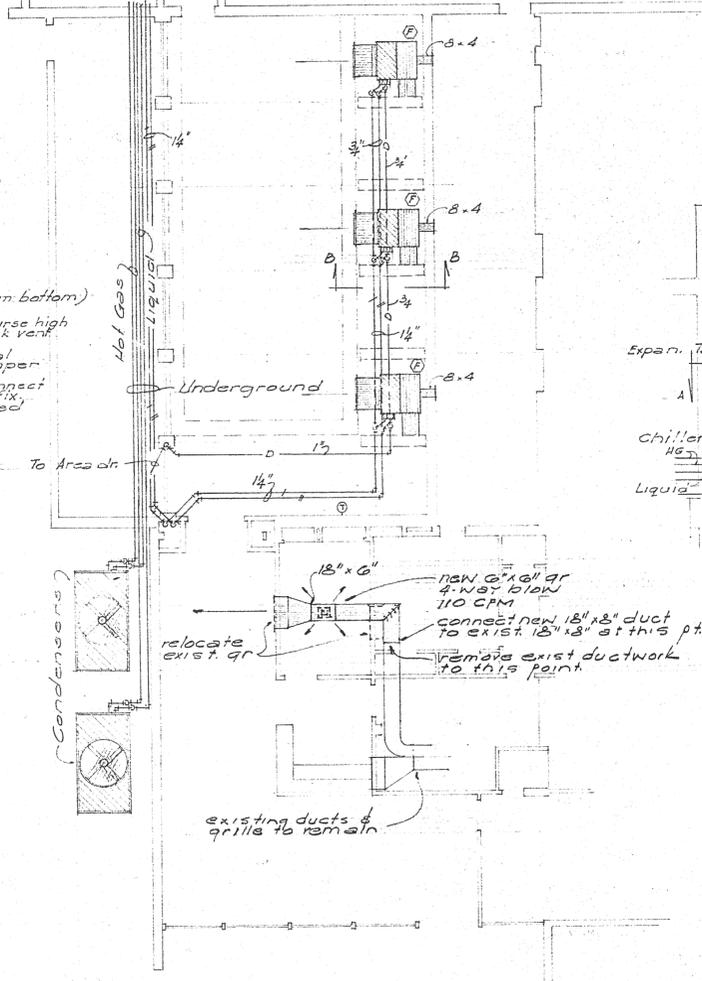
PLAN EQUIPMENT ROOM
 1/4" = 1'-0"



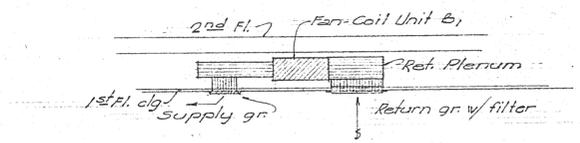
SECTION A-A
 1/4" = 1'-0"



SECTION B-B
 3/8" = 1'-0"



FIRST FLOOR PLAN
 1/8" = 1'-0"



CORRIDOR FAN-COIL UNIT
 3/8" = 1'-0"



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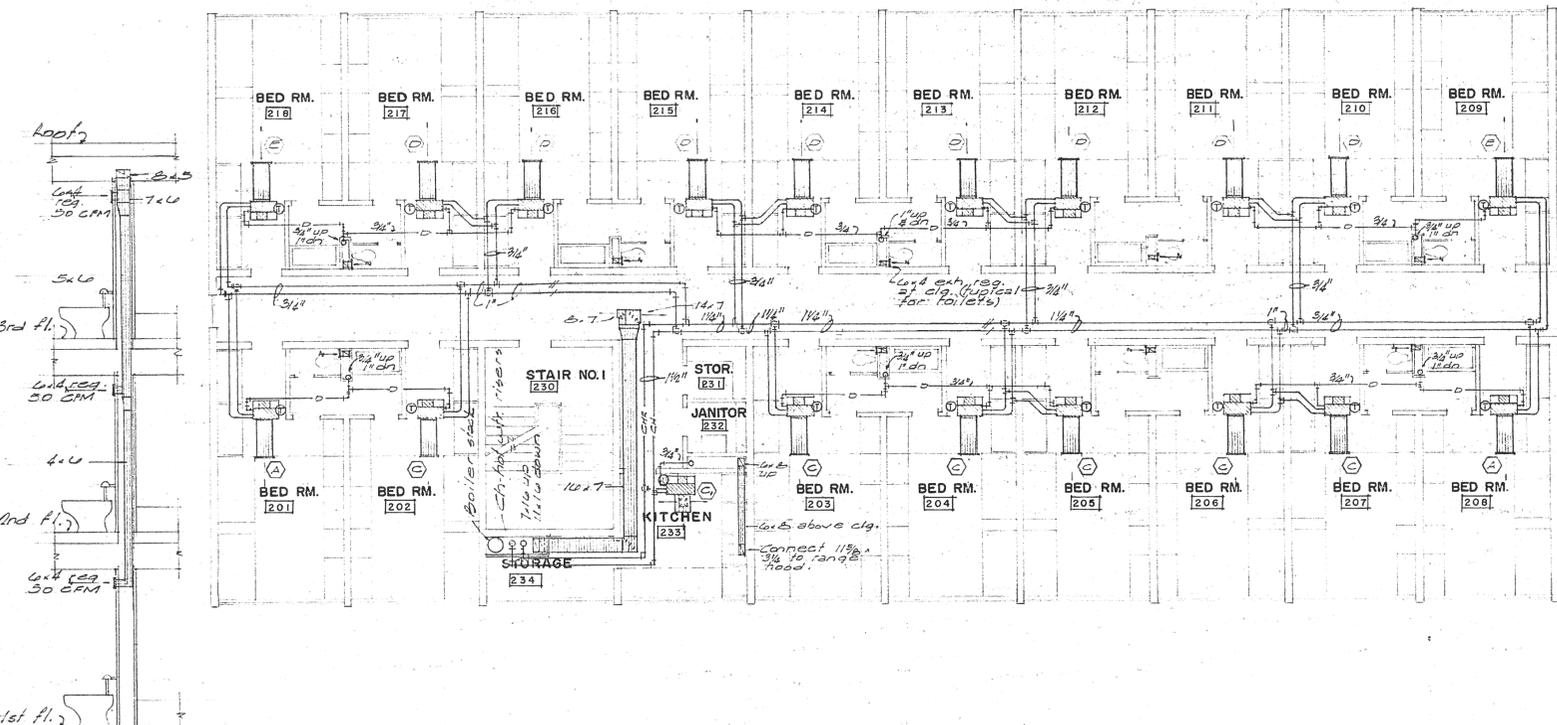


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AC 2

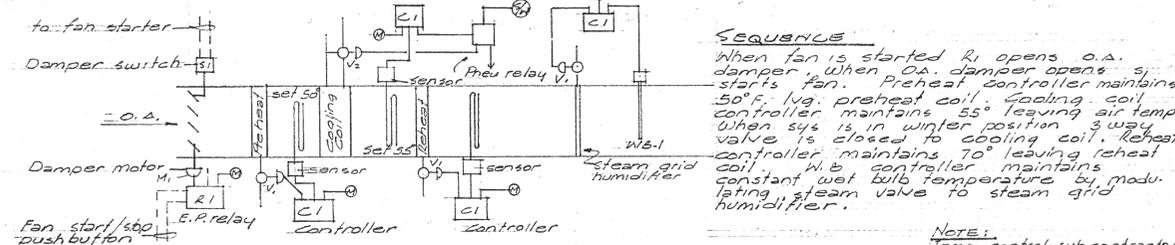
| FAN COIL UNIT SCHEDULE | | | | | | | | | | | | | | | | | | |
|------------------------|-----|-------|--------|--------|------------|---------------|--------|--------|--------|--------|----------------|--------------|--------------|-----------------|------------|--------|--------|-------|
| MARK | CFM | WATTS | R.P.M. | VOLTS | TOTAL HEAT | SENSIBLE HEAT | E.D.B. | E.W.B. | E.W.T. | G.P.M. | MAX. COL. P.D. | DISCH. GRILL | ACCESS PANEL | RETURN & FILTER | GRILL SIZE | SUPPLY | RETURN | DRAIN |
| A | 300 | 62 | 1050 | 120 1φ | 7410 | 6750 | 76° | 65° | 45° | 1.85 | 10' | 24.5" | 20.5" | 27.5" | 3/4" | 3/4" | 3/4" | |
| B | 300 | 62 | 1050 | 120 1φ | 6432 | 7972 | 76° | 65° | 45° | 2.10 | 10' | 24.5" | 20.5" | 27.5" | 3/4" | 3/4" | 3/4" | |
| C | 300 | 62 | 1050 | 120 1φ | 3262 | 4802 | 76° | 65° | 45° | 1.32 | 10' | 24.5" | 20.5" | 27.5" | 3/4" | 3/4" | 3/4" | |
| D | 200 | 44 | 1050 | 120 1φ | 3532 | 3072 | 76° | 65° | 45° | 0.87 | 10' | 18.5" | 20.5" | 27.5" | 3/4" | 3/4" | 3/4" | |
| E | 300 | 62 | 1050 | 120 1φ | 5660 | 5420 | 76° | 65° | 45° | 1.42 | 10' | 24.5" | 20.5" | 27.5" | 3/4" | 3/4" | 3/4" | |
| F | 600 | 110 | 1050 | 120 1φ | 17,500 | 17,000 | 80° | 67° | 45° | 4.0 | 10' | 36.0" | 20.5" | 40.5" | 3/4" | 3/4" | 3/4" | |

(B), same as B except 9.9" dia. supply outlet see plan for disch. pattern.
 (C), same as C except 9.9" dia. supply outlet see plan for disch. pattern.
 (A), same as A except 9.9" dia. supply outlet see plan for disch. pattern.
MISC. EQUIPMENT RATINGS:
 1. PACKAGE WATER CHILLER: Cool 130 G.P.M. from 54° to 45° at 120 cond. temp. Cooling factor = 0.0005, max. pd. thru chiller = 15', approx 65 kw 205v 3φ.
 2. AIR COOLED CONDENSERS: Two reqd. matched with chiller at 100° ambient & 120° condensing temp. Each 3-1 hp 205v 3φ.
 3. BOILER: 1,400,000 btu/hr 108 rated output.
 4. CONDENSATE PUMP AND RECEIVER: 6" dia. 2" gal. receiver. Each pump 12 gpm at 20' disch. pres. 1750 rpm 2-1/2 hp 205v 3φ.
 5. CONVERTER: 124 G.P.M. from 170.5° to 150° at 5 psi steam, max. vel. 7 FPS.
 6. CHILLED HOT WATER PUMP: 130 G.P.M. at 50' head, 1750 rpm 3 hp 205v 3φ.
 7. FAN #1: 600 cfm at 1/2" s.p., 500 rpm 1/2 hp 120v 1φ with Jenn-Air type QT sound curb & gravity shutter.
 8. FAN #2: 750 cfm at 1/2" s.p., 500 rpm 1/2 hp 120v 1φ with Jenn-Air type QT sound curb & gravity shutter.
 9. HOT WATER STORAGE HEATER: 48" dia., 108" length, 770 gallon storage, 674 g.p.h. recovery from 40° to 140° with 5 psi steam.
 10. AIR HANDLING UNIT: 1020 cfm at 0.53" ext. s.p. 3/4 hp 205v 3φ Max coil vel. = 550' / min, max filler vel. = 375' / min.
 Preheat coil: EAT = 10°, LAT = 50° with 5 psi steam
 Cooling coil: EWB = 100°, EWB = 79°, LWB = 53°, EWT = 45°, G.P.M. = 37
 Reheat coil: EAT = 55°, LAT = 75° with 5 psi steam
 Humidifier: Steam grid type, 36.5 #/hr with 5 psi steam.



SECOND FLOOR PLAN
 1/8" = 1'-0"

TYPICAL TOILET EXHAUST RISER
 1/4" = 1'-0"

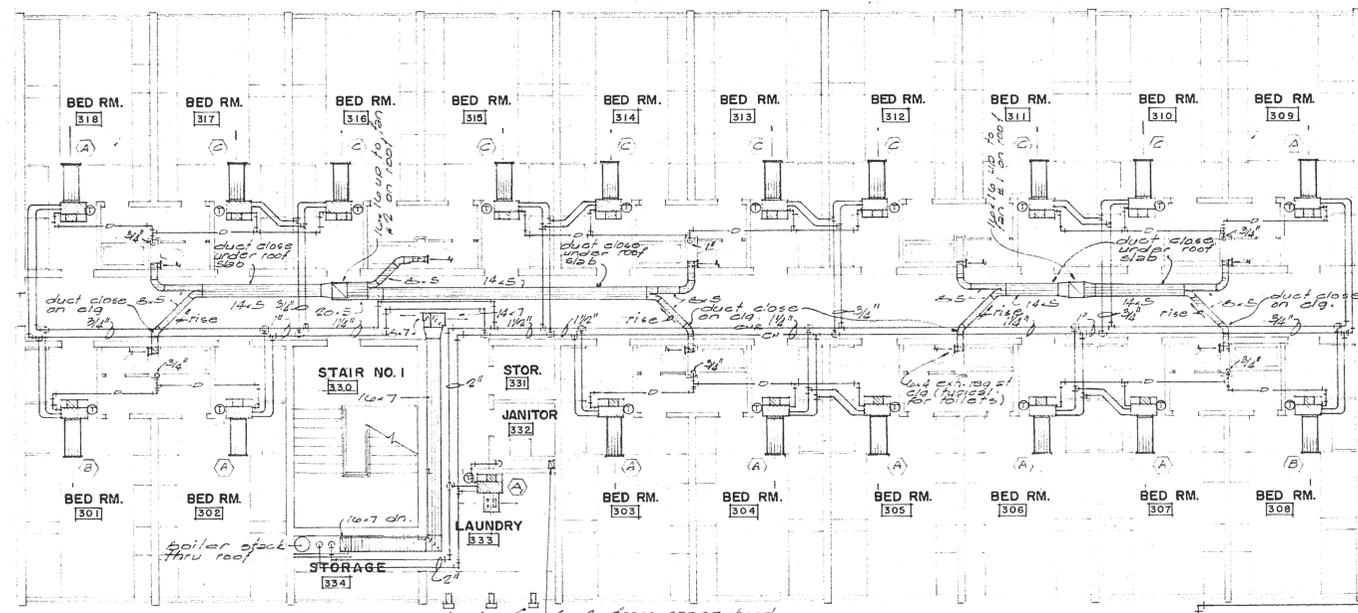


AIR HANDLING UNIT CONTROL DIAGRAM
 NO SCALE

SEQUENCE
 When fan is started R₁ opens o.a. damper. When o.a. damper opens S₁ starts fan. Preheat controller maintains 50°F. Wg. preheat coil. Cooling coil controller maintains 55° leaving air temp. When 54° is in winter position 3 way valve is closed to cooling coil. Reheat controller maintains 70° leaving reheat coil. W.B. controller maintains constant wet bulb temperature by modulating steam valve to steam grid humidifier.

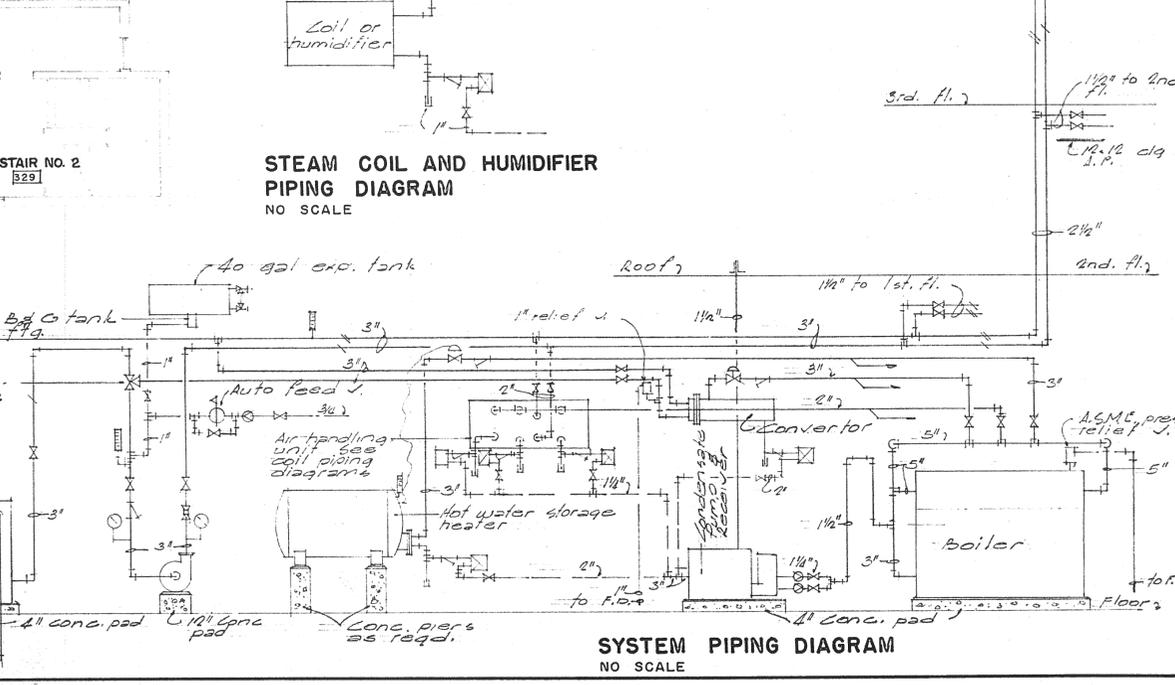
NOTE:
 Temp control subcontractor shall provide surface mtd. control panel with the following items:
 1. All remote mtd. temp controllers,
 2. Air unit start stop p.b. station,
 3. Summer winter off sw
 4. Switches for each exh fan.

LEGEND:
 M₁ = Damper motor
 R₁ = E.P. relay
 S₁ = Adj. damper switch
 V₁ = Steam valve, mod., N.C. stainless steel trim.
 V₂ = 3 way mod. ch. wtr valve
 C₁ = Controller mounted w/ set point adjustment for sensor
 W.B. = Wet bulb controller. Consist of porous wick assay with separator & fan assay, standpipe & drain assay.
 R₂ = Pneumatic relay
 ⊕ = Main air supply
 ⊗ = Summer winter sw.



THIRD FLOOR PLAN
 1/8" = 1'-0"

| AIR CONDITIONING SYMBOLS | | |
|--------------------------|-------------------------|---------------------------------|
| — | Ch-hot wtr. sup. piping | A.P. Access panel |
| — | Ch-hot wtr. ret. piping | reg. Register |
| — | Steam piping | gr. Grille |
| — | Steam cond. piping | gr. Thermostat d 3 speed switch |
| — | Refrig. liquid piping | |
| — | Refrig. hot gas piping | |
| — | Drain piping | |
| — | Gate valve | |
| — | Gate Cock | |
| — | Strainer | |
| — | Check V. | |
| — | Auto. control valve | |
| — | F & T trap | |



SYSTEM PIPING DIAGRAM
 NO SCALE