

Farnsworth GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
Date: Description:

PROJECT:
LINCOLN COLLEGE

HARTS SCIENCE BUILDING

LINCOLN, ILLINOIS

Date: 08-19-14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.:

SHEET TITLE:

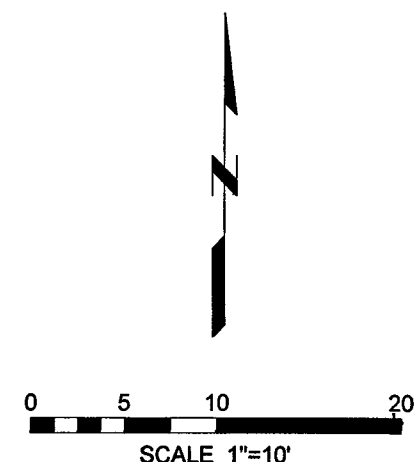
DRAINAGE IMPROVEMENTS

SHEET NUMBER:

1

File No.:

HARTS SCIENCE



LEGEND

EXISTING

- SAN MANHOLE
- CLEANOUT
- DOWN SPOUT
- UTILITY POLE
- UTILITY POLE DROP
- UTILITY POLE/TRANSFORMER
- DOWN GUY
- LIGHT
- COMMUNICATION PEDESTAL
- HVAC
- 8" SA
- ST
- OE
- T
- G
- U
- FO
- FO

PROPOSED

- CLEANOUT
- DOWNSPOUT
- DOWNSPOUT DRAIN TILE
- 4" FT
- FOUNDATION FOOTING TILE
- DRAIN TILE REMOVAL

General Notes:

- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - REQUIREMENTS OF THE CITY OF LINCOLN
- ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
- HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

Piping Notes:

- DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING
 - POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26, BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - JOINTS: ASTM D 3212
 - GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - FITTINGS: SAME AS PIPE
 - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - JOINTS: AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RING" GASKET JOINTS MEETING ASTM F-477.
 - FITTINGS: SAME AS PIPE
 - INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
 - INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS II OR III.
 - GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCP STORM SEWER.
 - ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.

UNIVERSITY HALL

HARTS SCIENCE BUILDING

more
relocate
options
no to
new walk

I:\projects\11 Lincoln College - Lincoln College Harts Science Bldg\Draw\Lincoln College\Site 2014 TDS.dwg | 8/14/2014 1:04 PM |



Farnsworth GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

www.f-w.com

Engineers | Architects | Surveyors | Scientists

ISSUE:

Date Description

PROJECT:

LINCOLN COLLEGE

HARTS SCIENCE BUILDING

LINCOLN, ILLINOIS

Date: 09-15-14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.: 0141009.00

SHEET TITLE:

DRAINAGE IMPROVEMENTS

SHEET NUMBER:

C1.0 of 1

File No.:

0 5 10 20
SCALE 1"=10'

LEGEND

EXISTING

- SAN MANHOLE
- CLEANOUT
- DOWN SPOUT
- UTILITY POLE
- UTILITY POLE DROP
- UTILITY POLE/TRANSFORMER
- DOWN GUY
- LIGHT
- COMMUNICATION PEDESTAL
- HVAC
- 8" SA
- ST
- OE
- T
- G
- U
- FO
- 597
- SAN SEWER
- STORM SEWER
- OVERHEAD ELECTRIC
- COMMUNICATION LINE
- GAS MAIN
- MISC UTILITY
- FIBER OPTIC LINE
- GROUND CONTOUR

PROPOSED

- CLEANOUT
- DT
- 4" FT
- FOUNDATION FOOTING TILE
- DRAIN TILE REMOVAL
- 597
- SILT FENCE
- DOWNSPOUT
- DOWNSPOUT DRAIN TILE

General Notes:

- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - REQUIREMENTS OF THE CITY OF LINCOLN
- ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
- HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

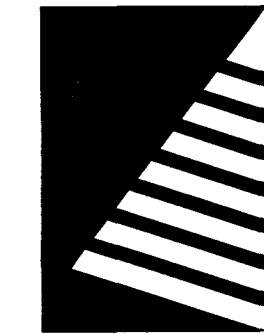
Piping Notes:

- DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING
 - POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26, BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - JOINTS: ASTM D 3212
 - GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - FITTINGS: SAME AS PIPE
 - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - JOINTS: AASHTO M-254, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RING" GASKET, JOINTS MEETING ASTM F-477.
 - FITTINGS: SAME AS PIPE
 - INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
 - INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.
 - GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCCP STORM SEWER.
 - ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.

UNIVERSITY HALL

HARTS SCIENCE BUILDING

ASPHALT PARKING



Farnsworth GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
Date: Description:

PROJECT:
LINCOLN COLLEGE

HARTS SCIENCE BUILDING

LINCOLN, ILLINOIS

Date: 09-15-14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.: 0141009.00

SHEET TITLE:

DRAINAGE IMPROVEMENTS

SHEET NUMBER:

C1.0 of 1

File No.:

0 5 10 20
SCALE 1"=10'

LEGEND

EXISTING

- SAN MANHOLE
- CLEANOUT
- DOWN SPOUT
- UTILITY POLE
- UTILITY POLE DROP
- UTILITY POLE/TRANSFORMER
- DOWN GUY
- LIGHT
- COMMUNICATION PEDESTAL
- HVAC
- 8" SA
- ST
- OE
- T
- G
- U
- FO
- 597
- GROUND CONTOUR

PROPOSED

- CLEANOUT
- DOWNSPOUT
- DOWNSPOUT DRAIN TILE
- 4" FT
- FOUNDATION FOOTING TILE
- DRAIN TILE REMOVAL
- 597
- GROUND CONTOUR
- SILT FENCE

General Notes:

- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS.
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - REQUIREMENTS OF THE CITY OF LINCOLN.
- ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
- HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

Piping Notes:

- DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING.
 - POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26; BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - JOINTS: ASTM D 3212
 - GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - FITTINGS: SAME AS PIPE
 - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - JOINTS: AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RING" GASKET JOINTS MEETING ASTM F-477.
 - FITTINGS: SAME AS PIPE.
 - INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
 - INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.
 - GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCOP STORM SEWER.
 - ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.

UNIVERSITY HALL

HARTS SCIENCE BUILDING

ASPHALT PARKING

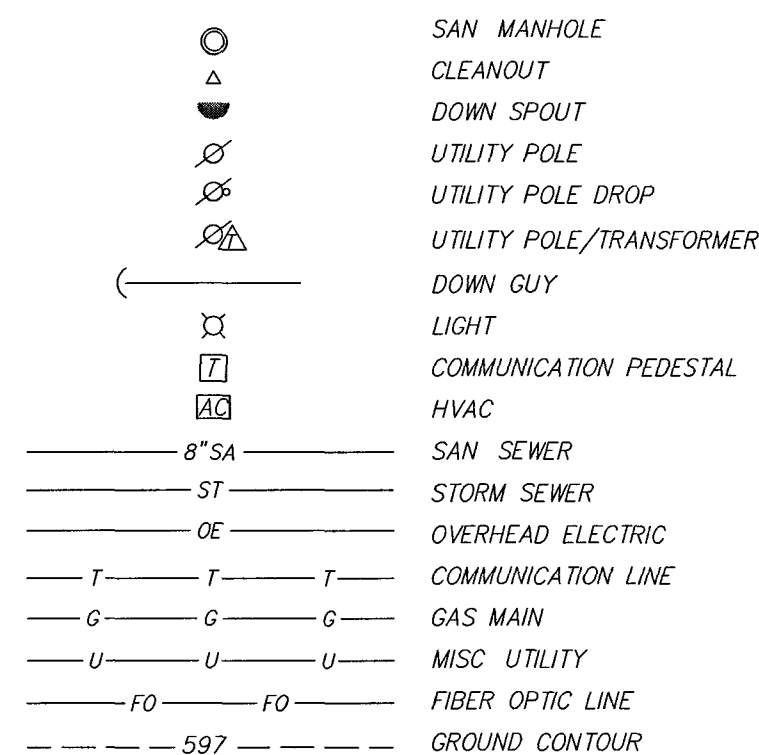
I:\data\Lincoln College - Lincoln\0141009.00 - Lincoln\College Harts Science\Bldg\0141009.00.dwg | 9/16/2014 3:13 PM |



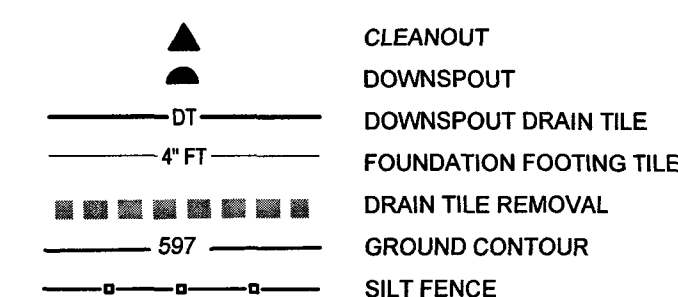
www.f-w.com
Engineers | Architects | Surveyors | Scientists



EXISTING



PROPOSED

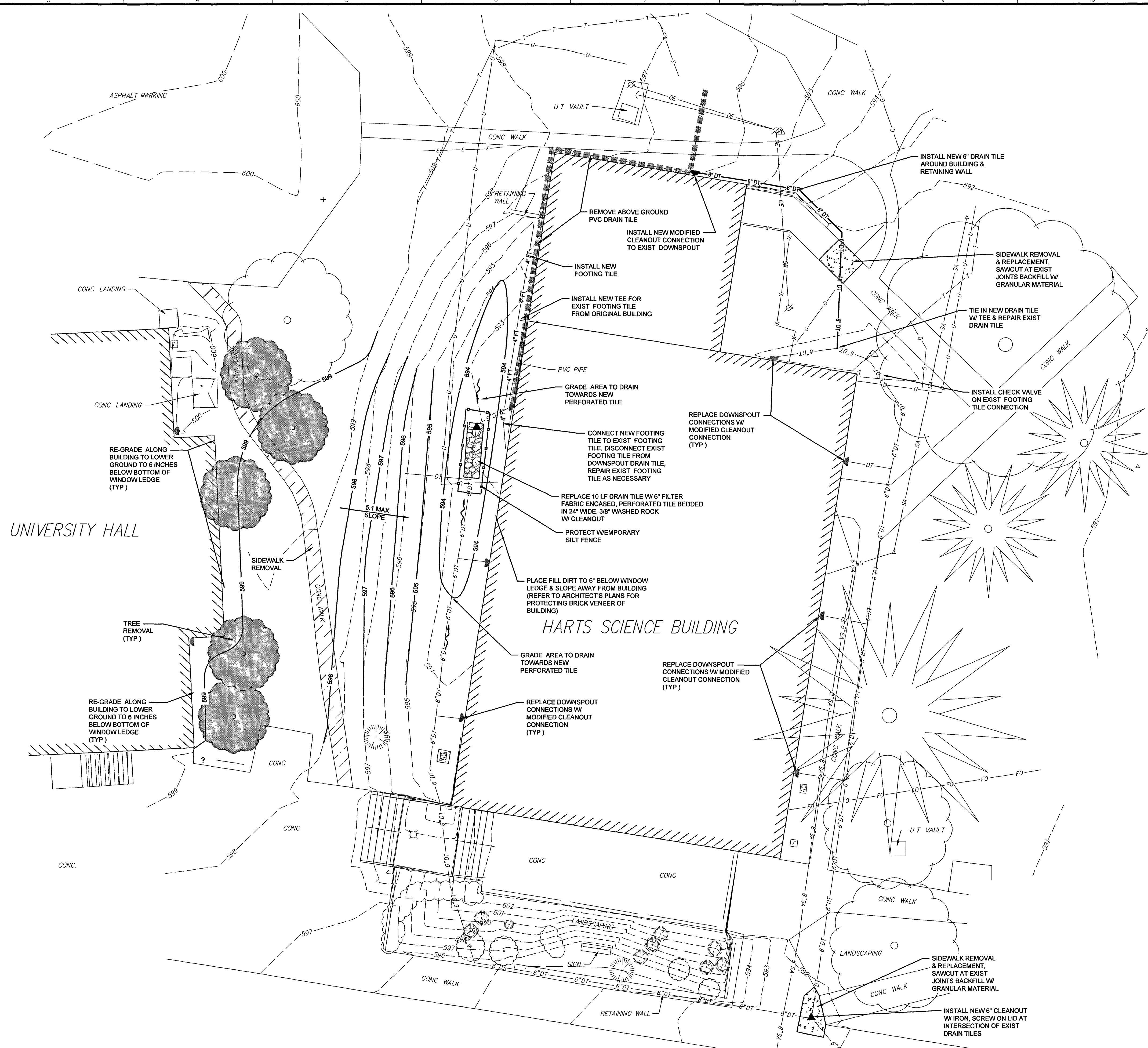


General Notes:

1. THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
 - a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION".
 - b. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION".
 - c. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - d. REQUIREMENTS OF THE CITY OF LINCOLN
2. ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
3. HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
4. CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

Piping Notes:

1. DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING:
- A. POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26; BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - a. JOINTS: ASTM D 3212
 - b. GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - c. FITTINGS: SAME AS PIPE
 - C. ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - a. JOINTS: HASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "ORING" GASKET JOINTS MEETING ASTM F-477.
 - b. FITTINGS: SAME AS PIPE.
 - c. INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS' (ADS) PRODUCT NOTE 3.115.
 - d. INITIAL BACKFILL SHALL EXTEND 12' ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.
 - e. GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCCP STORM SEWER.
 - f. ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.



PROJECT:
LINCOLN COLLEGE

**HARTS SCIENCE
BUILDING**

LINCOLN, ILLINOIS

Date: 09-15-14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.: 0141009.00

SHEET TITLE:

DRAINAGE IMPROVEMENTS



Farnsworth GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
Date: Description:

PROJECT:
LINCOLN COLLEGE

HARTS SCIENCE BUILDING

LINCOLN, ILLINOIS

Date: 09-15-14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.: 0141009.00

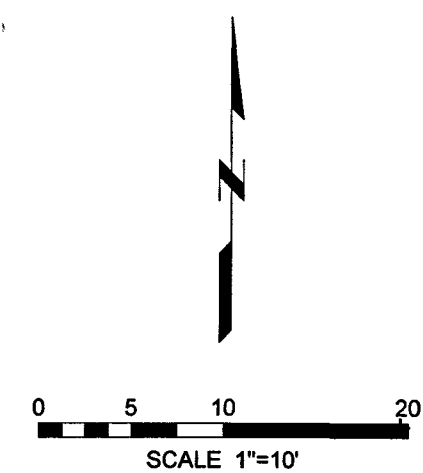
SHEET TITLE:

DRAINAGE IMPROVEMENTS

SHEET NUMBER:

C1.0 of 1

File No.:



LEGEND

EXISTING

- SAN MANHOLE
- CLEANOUT
- DOWN SPOUT
- UTILITY POLE
- UTILITY POLE DROP
- UTILITY POLE/TRANSFORMER
- DOWN GUY
- LIGHT
- COMMUNICATION PEDESTAL
- HVAC
- 8" SA
- ST
- OK
- T
- G
- U
- FO
- 597
- SAN SEWER
- STORM SEWER
- OVERHEAD ELECTRIC
- COMMUNICATION LINE
- GAS MAIN
- MISC. UTILITY
- FIBER OPTIC LINE
- GROUND CONTOUR

PROPOSED

- CLEANOUT
- DT
- 4" FT
- FOUNDATION FOOTING TILE
- DRAIN TILE REMOVAL
- 597
- GROUND CONTOUR
- SILT FENCE

General Notes:

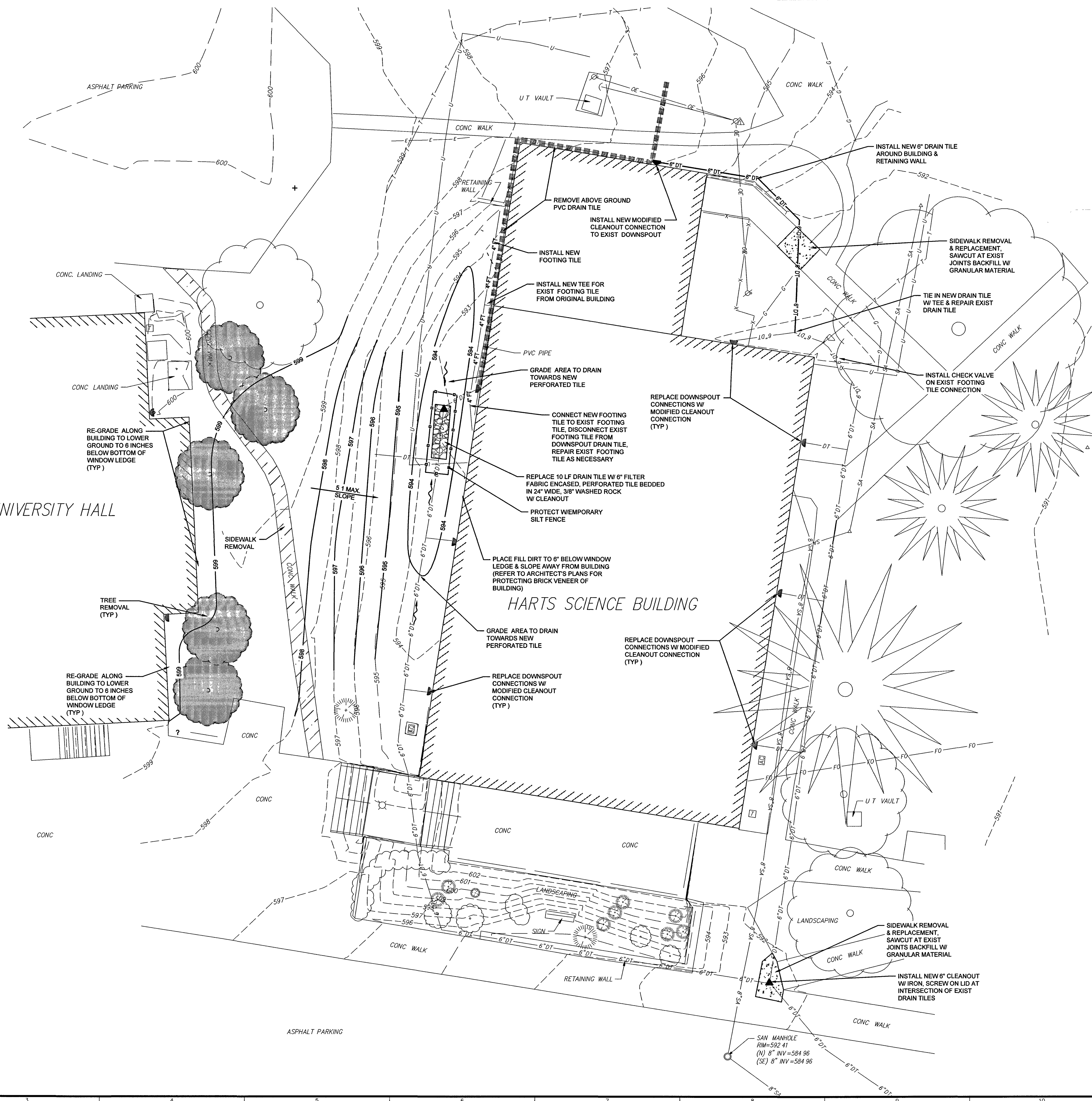
- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS.
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - REQUIREMENTS OF THE CITY OF LINCOLN
- ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
- HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

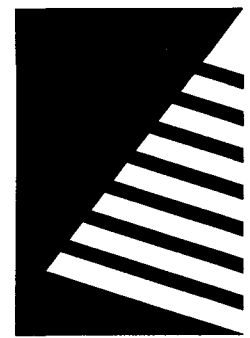
Piping Notes:

- DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING
 - POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26; BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - JOINTS: ASTM D 3212
 - GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - FITTINGS: SAME AS PIPE
 - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - JOINTS: AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RING" GASKET JOINTS MEETING ASTM F-477.
 - FITTINGS: SAME AS PIPE
 - INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
 - INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS II OR III.
 - GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCP STORM SEWER.
 - ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.

UNIVERSITY HALL

HARTS SCIENCE BUILDING





Farnsworth GROUP

2709 McGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
(309) 663-8435 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
Date Description:

PROJECT:
LINCOLN COLLEGE

HARTS SCIENCE BUILDING

LINCOLN, ILLINOIS

Date: 09 -15 -14

Design/Drawn: DJM

Reviewed: TDS

Book No.: 276131 Field: 8-14-14

Project No.: 0141009.00

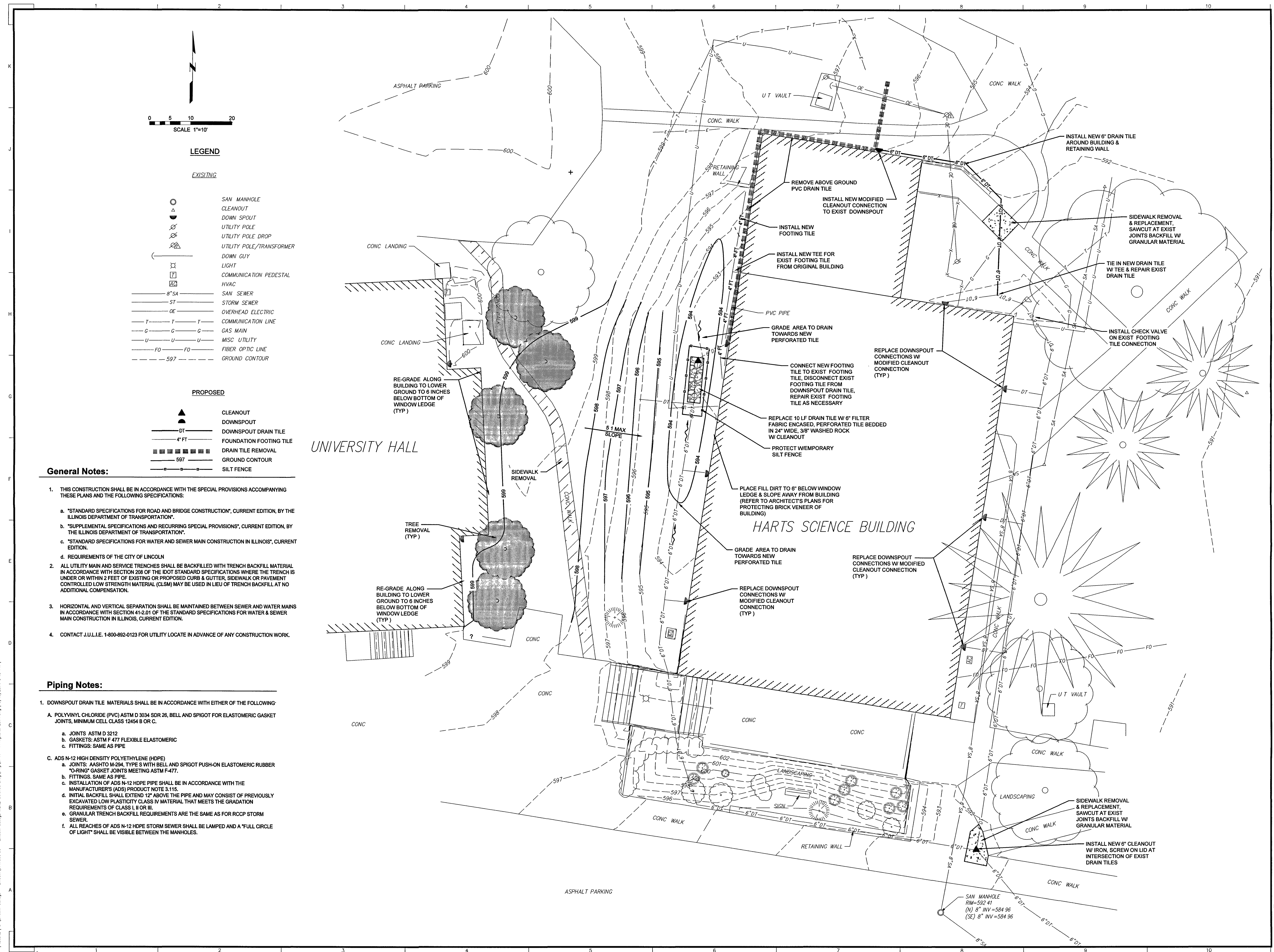
SHEET TITLE:

DRAINAGE IMPROVEMENTS

SHEET NUMBER:

C1.0 of 1

File No.:



LEGEND

EXISTING

- SAN MANHOLE
- △ CLEANOUT
- ▽ DOWN SPOUT
- UTILITY POLE
- UTILITY POLE/DROP
- UTILITY POLE/TRANSFORMER
- DOWN GUY
- LIGHT
- COMMUNICATION PEDESTAL
- HVAC
- 8" SA SAN SEWER
- ST STORM SEWER
- OE OVERHEAD ELECTRIC
- COMMUNICATION LINE
- G GAS MAIN
- U MISC UTILITY
- FO FIBER OPTIC LINE
- 597 GROUND CONTOUR

PROPOSED

- ▲ CLEANOUT
- ▽ DOWNSPOUT
- ▽ DT DOWNSPOUT DRAIN TILE
- ▽ 4" FT FOUNDATION FOOTING TILE
- ▽ DRAIN TILE REMOVAL
- ▽ 597 GROUND CONTOUR
- ▽ SILT FENCE

General Notes:

- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
 - REQUIREMENTS OF THE CITY OF LINCOLN
- ALL UTILITY MAIN AND SERVICE TRENCHES SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 208 OF THE IDOT STANDARD SPECIFICATIONS WHERE THE TRENCH IS UNDER OR WITHIN 2 FEET OF EXISTING OR PROPOSED CURB & GUTTER, SIDEWALK OR PAVEMENT CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE USED IN LIEU OF TRENCH BACKFILL AT NO ADDITIONAL COMPENSATION.
- HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN SEWER AND WATER MAINS IN ACCORDANCE WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.

Piping Notes:

- DOWNSPOUT DRAIN TILE MATERIALS SHALL BE IN ACCORDANCE WITH EITHER OF THE FOLLOWING:
 - POLYVINYL CHLORIDE (PVC) ASTM D 3034 SDR 26, BELL AND SPIGOT FOR ELASTOMERIC GASKET JOINTS, MINIMUM CELL CLASS 12454 B OR C.
 - JOINTS ASTM D 3212
 - GASKETS: ASTM F 477 FLEXIBLE ELASTOMERIC
 - FITTINGS: SAME AS PIPE
 - ADS N-12 HIGH DENSITY POLYETHYLENE (HDPE)
 - JOINTS: AASHTO M-294, TYPE S WITH BELL AND SPIGOT PUSH-ON ELASTOMERIC RUBBER "O-RING" GASKET JOINTS MEETING ASTM F-477.
 - FITTINGS: SAME AS PIPE
 - INSTALLATION OF ADS N-12 HDPE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S (ADS) PRODUCT NOTE 3.115.
 - INITIAL BACKFILL SHALL EXTEND 12" ABOVE THE PIPE AND MAY CONSIST OF PREVIOUSLY EXCAVATED LOW PLASTICITY CLASS IV MATERIAL THAT MEETS THE GRADATION REQUIREMENTS OF CLASS I, II OR III.
 - GRANULAR TRENCH BACKFILL REQUIREMENTS ARE THE SAME AS FOR RCPC STORM SEWER.
 - ALL REACHES OF ADS N-12 HDPE STORM SEWER SHALL BE LAMPED AND A "FULL CIRCLE OF LIGHT" SHALL BE VISIBLE BETWEEN THE MANHOLES.



www.f-w.com
Engineers | Architects | Surveyors | Scientists

PROJECT:
LINCOLN COLLEGE

LINCOLN, ILLINOIS

Design/Drawn: DJM

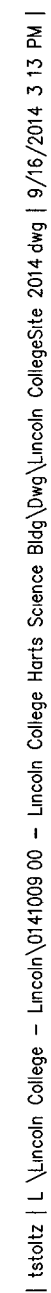
Book No.: 276131 Field: 8-14-14

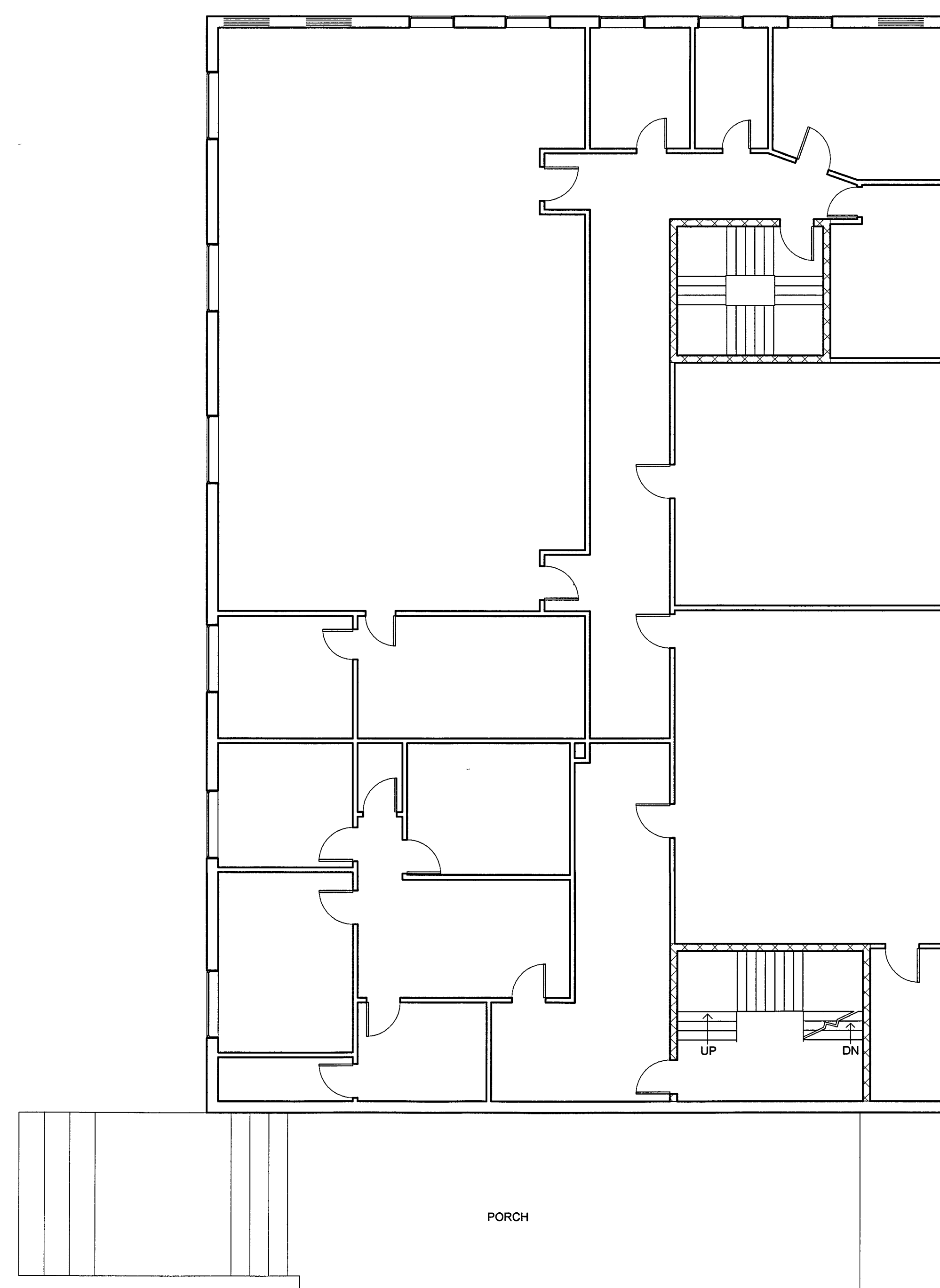
SHEET TITLE:

DRAINAGE IMPROVEMENTS

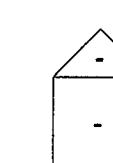
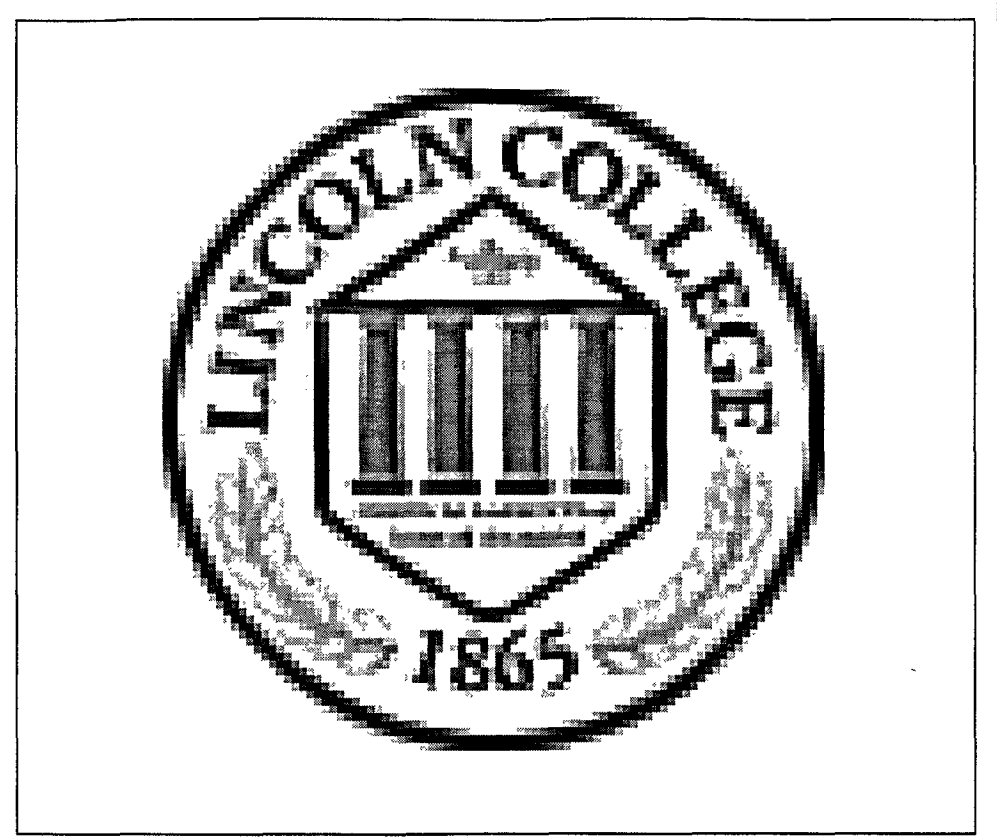
C1.0 of 1

File No.:



[illegible]

Scale $1/8" = 1'-0"$



①

[illegible]

Lincoln College

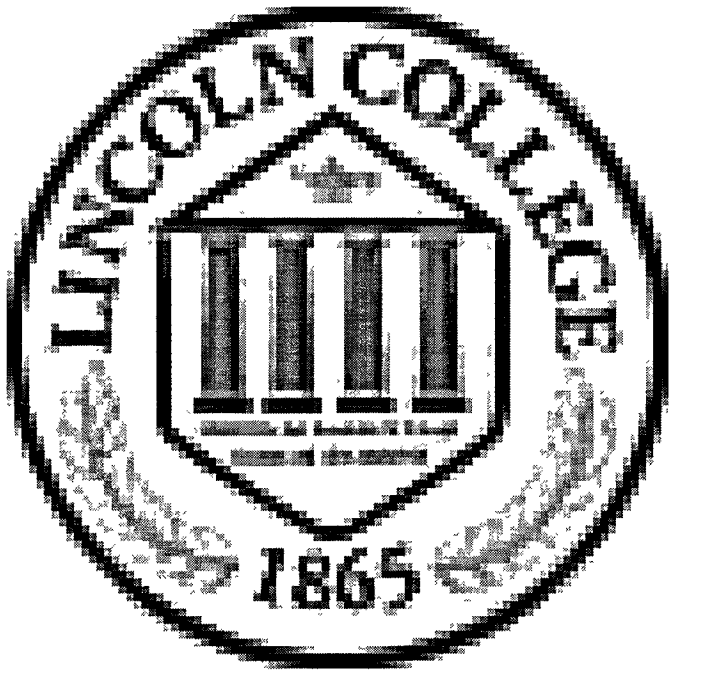
Existing Conditions

David Harts
Science Building

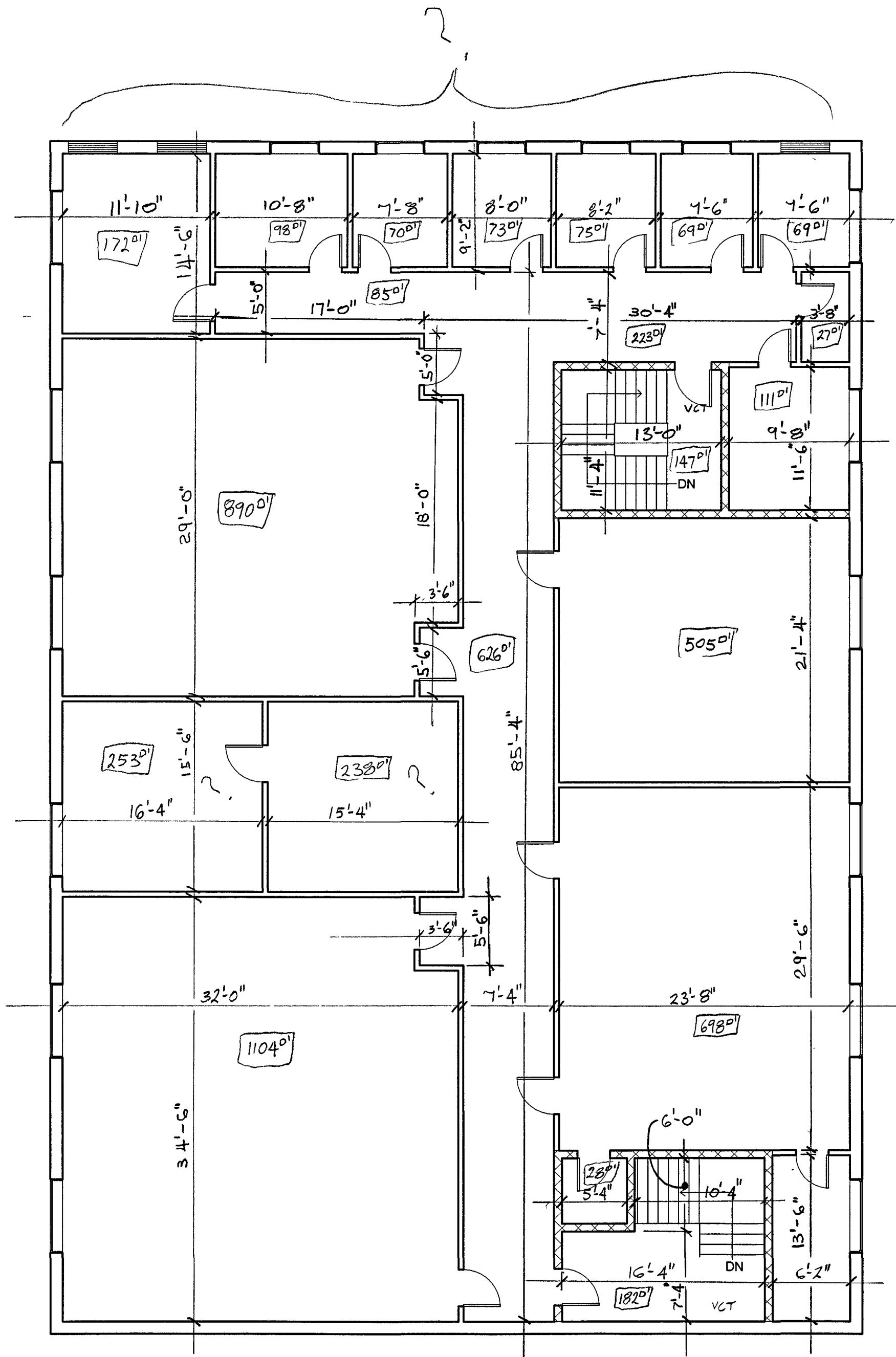
Project Number	Project Number
Date	Issue Date
Drawn By	Author
Checked By	Checker

2 A1.2	
Scale	1/8" = 1'-0"

Scale $1/8" = 1'-0"$



2nd Floor
Lab & 9x9 418 VCT
Corridors 9x9 VCT
@ double doors area to CPT
Restroom 2 Toilets
VCT 2 Sinks
3rd Floor
Restroom 1 Urinal
1 Toilet
1 Sink



1 3rd Floor Plan
1/8" = 1'-0"

Lincoln College

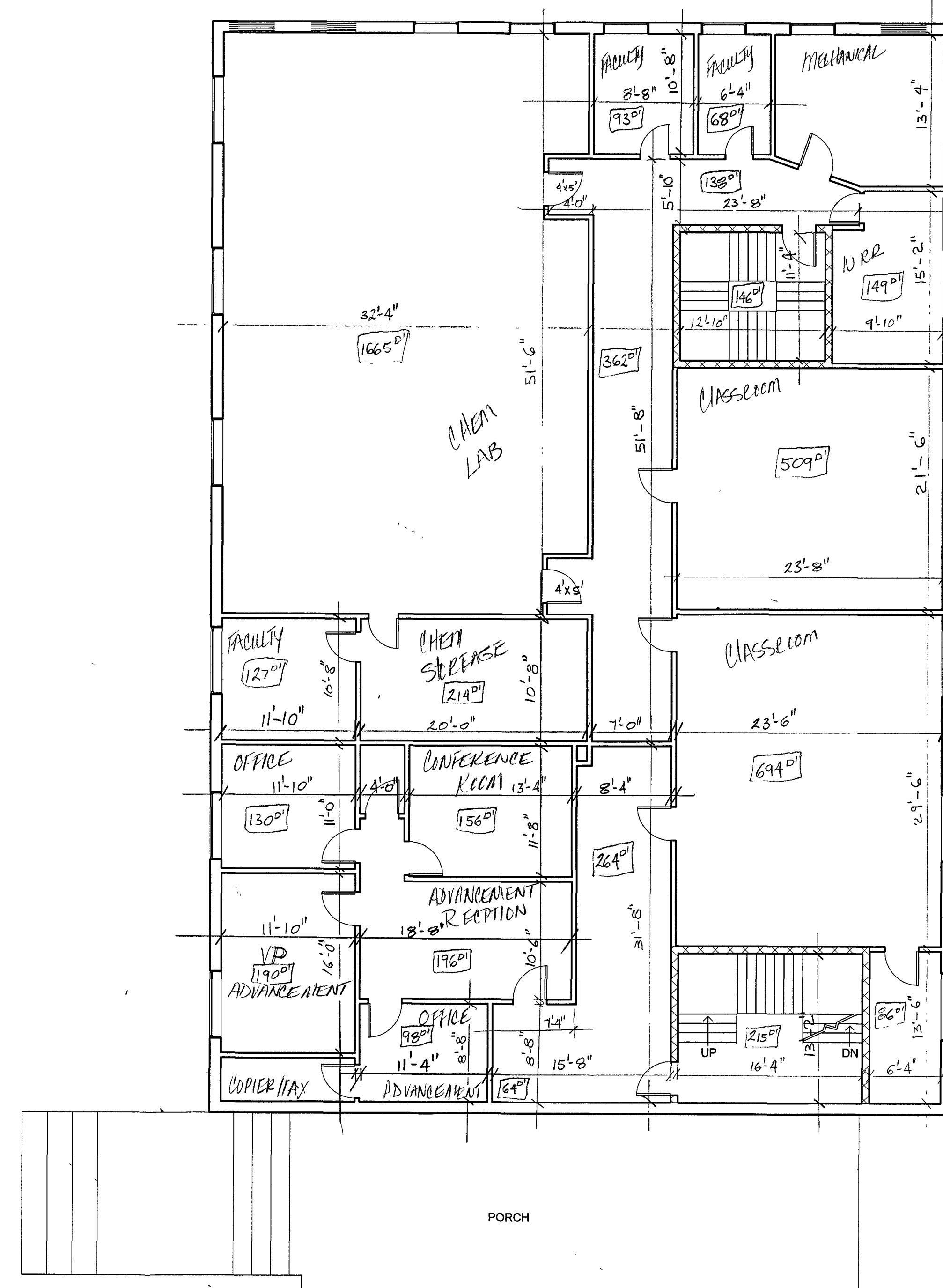
Existing Conditions

David Harts
Science Building

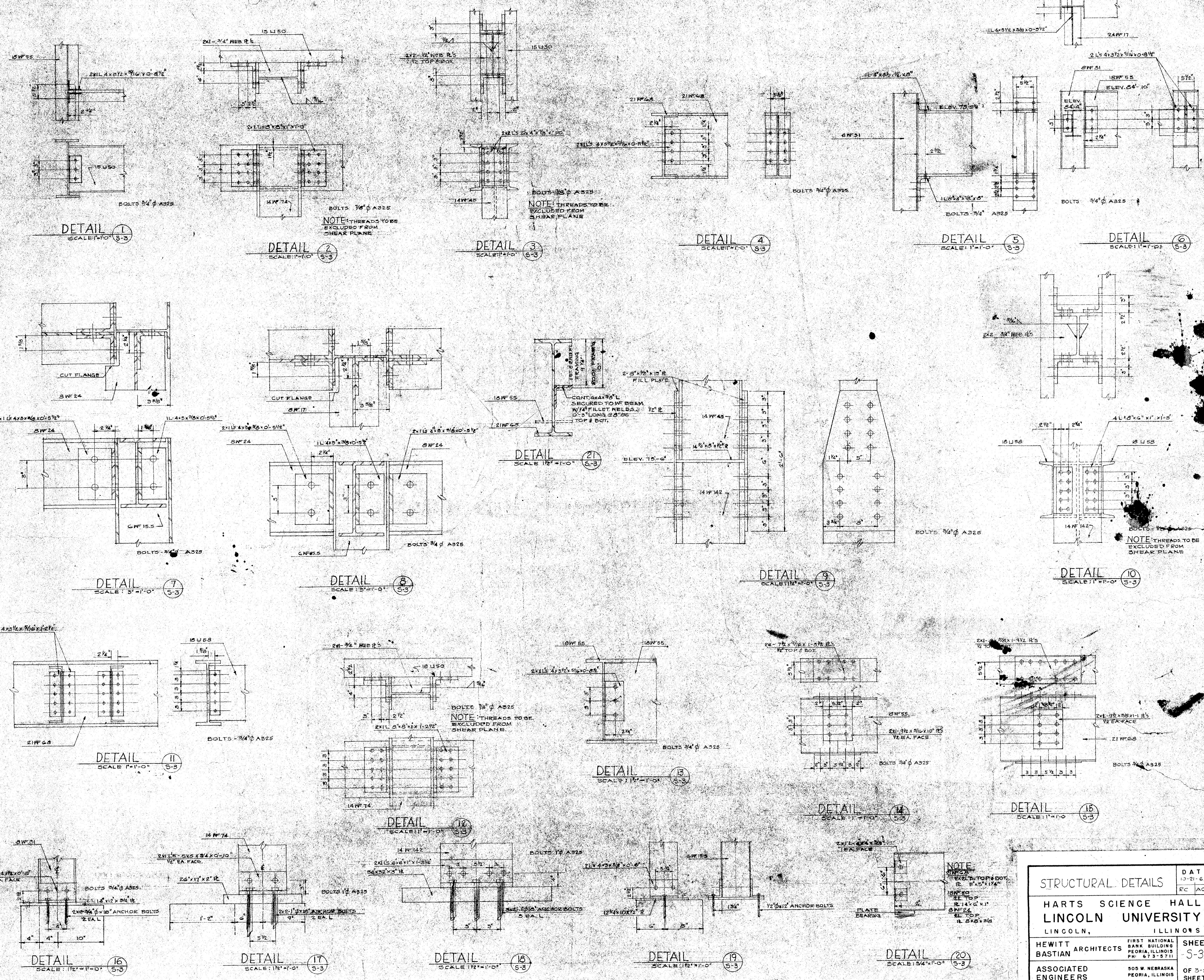
Project Number	Project Number
Date	Issue Date
Drawn By	Author
Checked By	Checker

2 A1.2

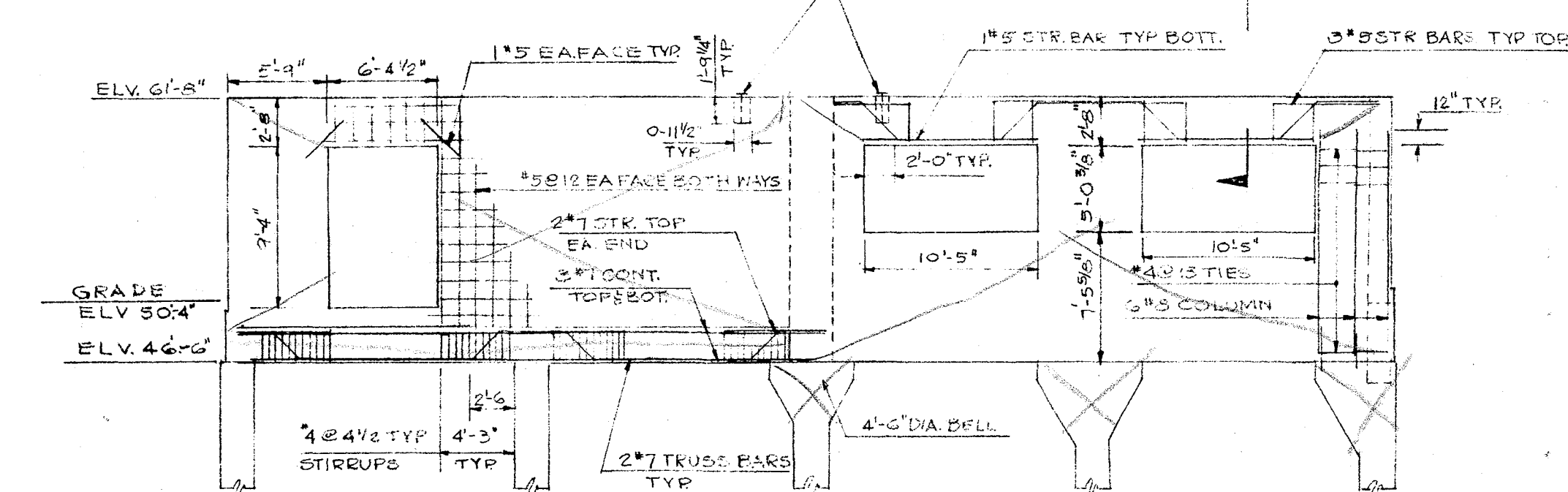
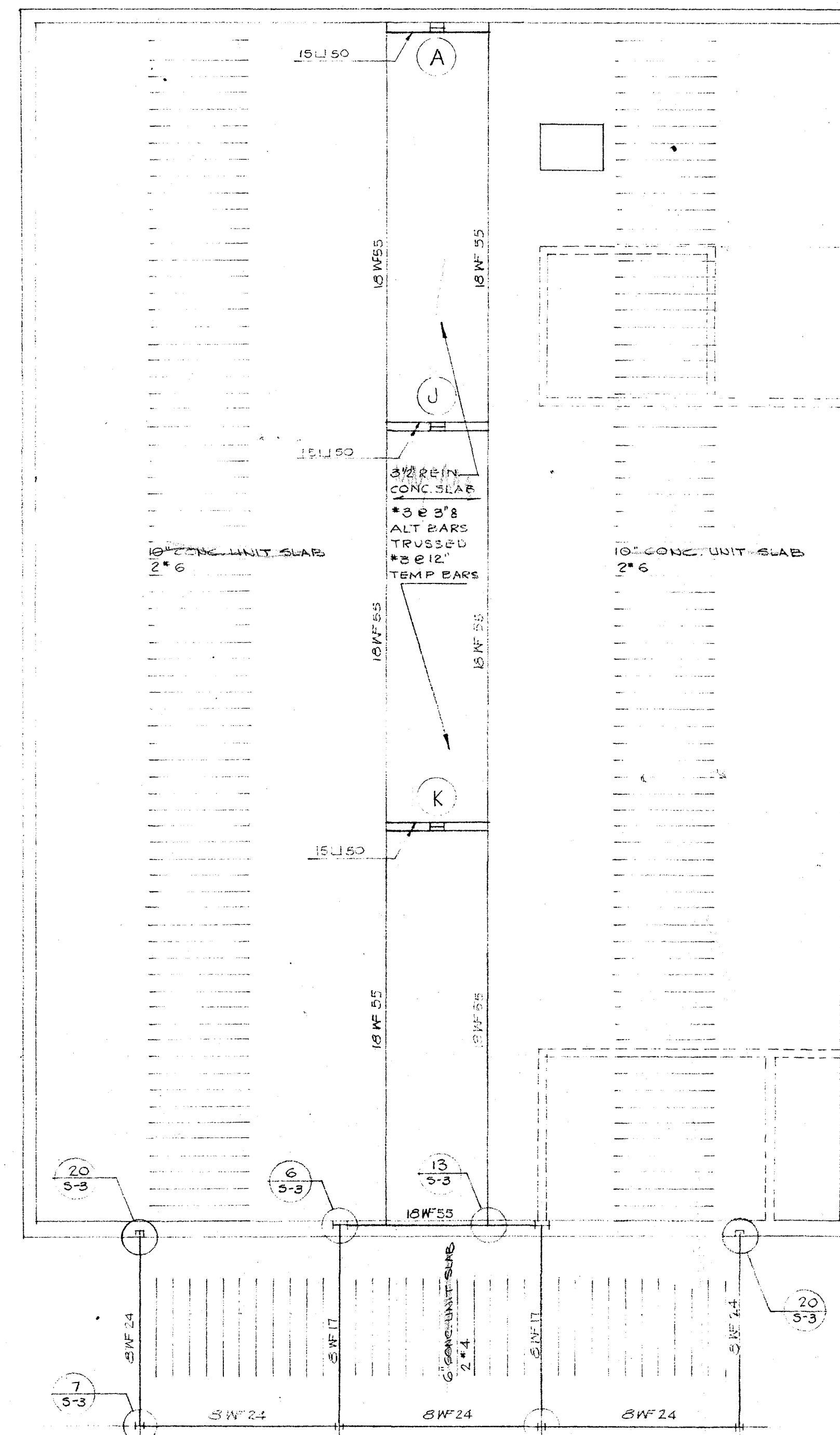
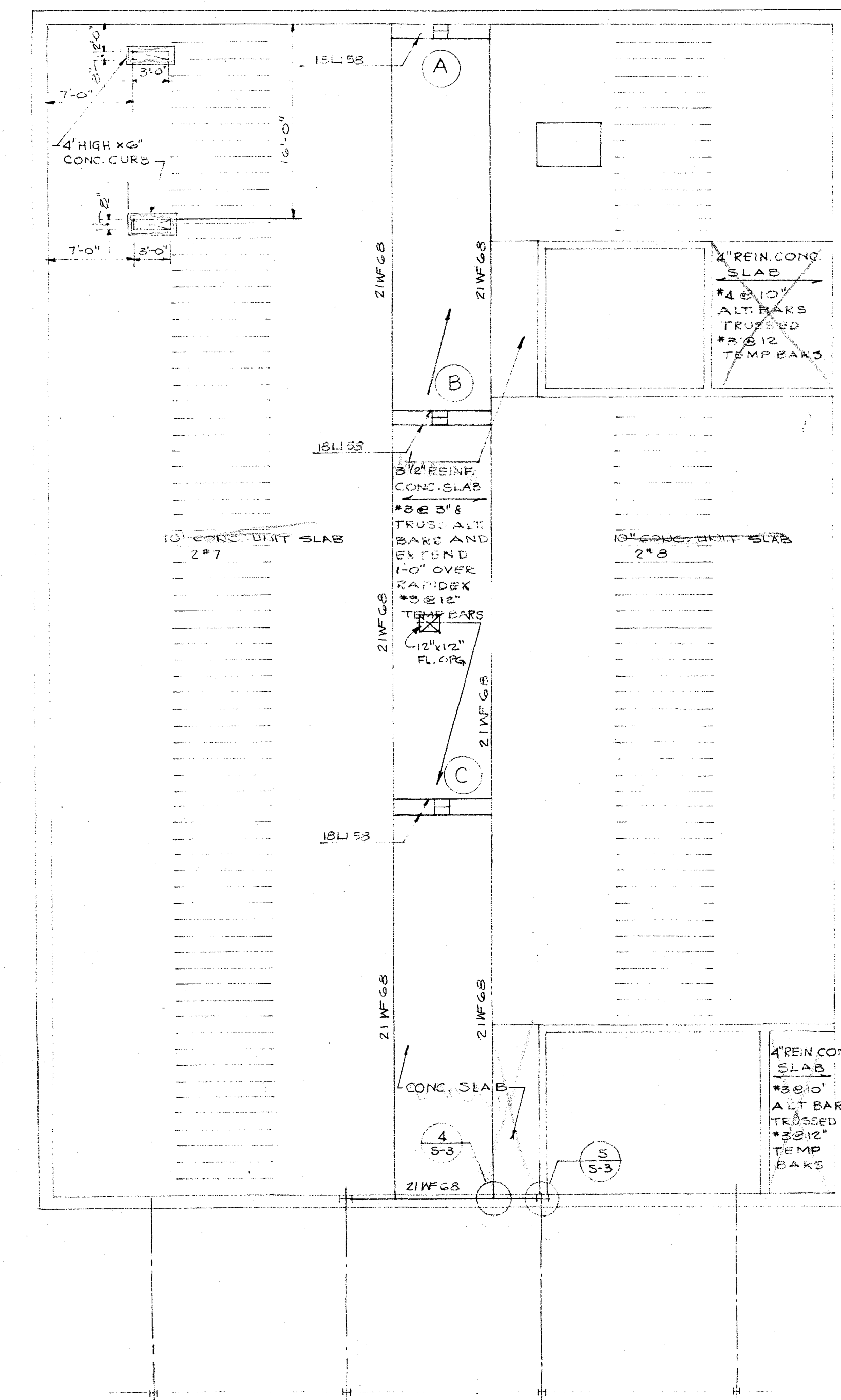
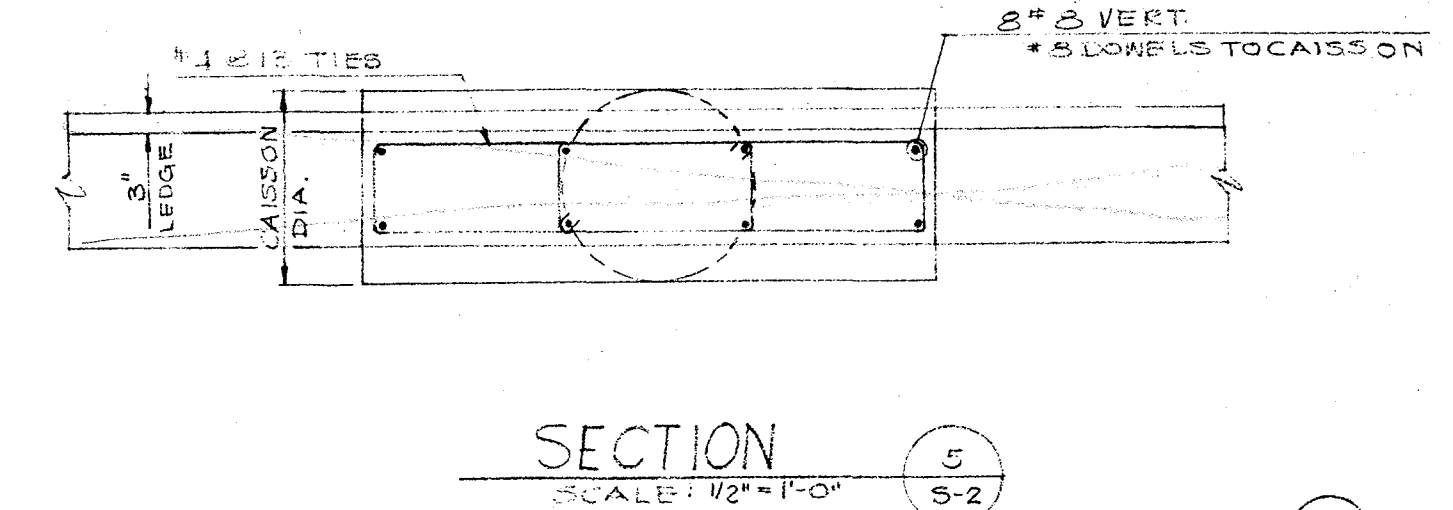
Scale 1/8" = 1'-0"

[illegible]

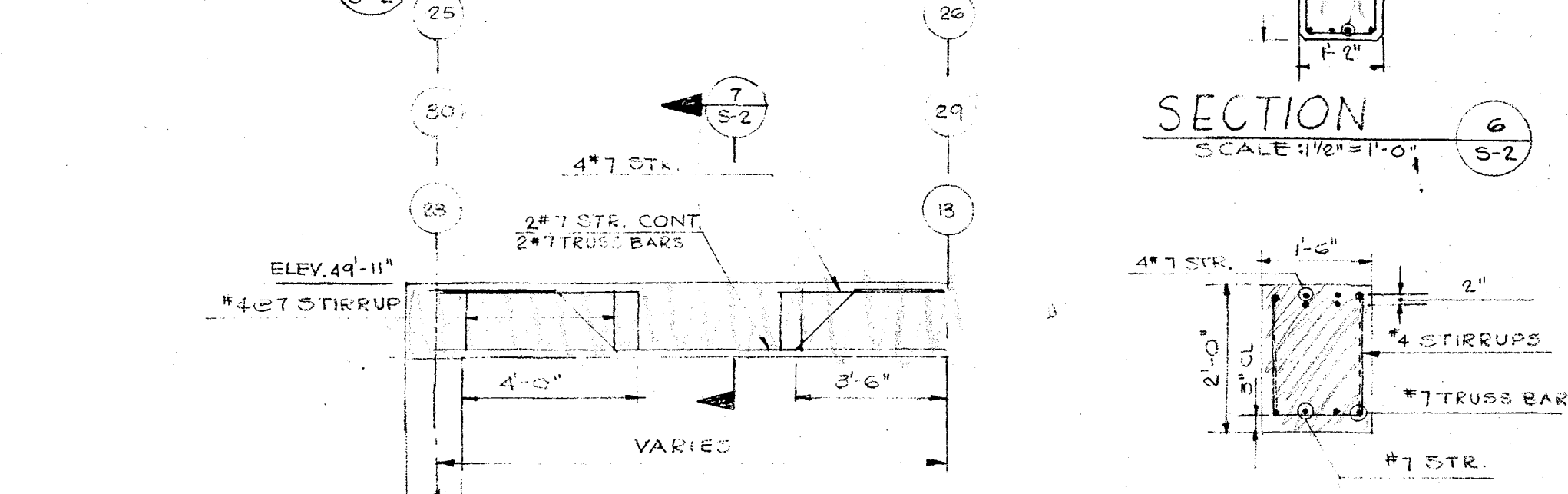
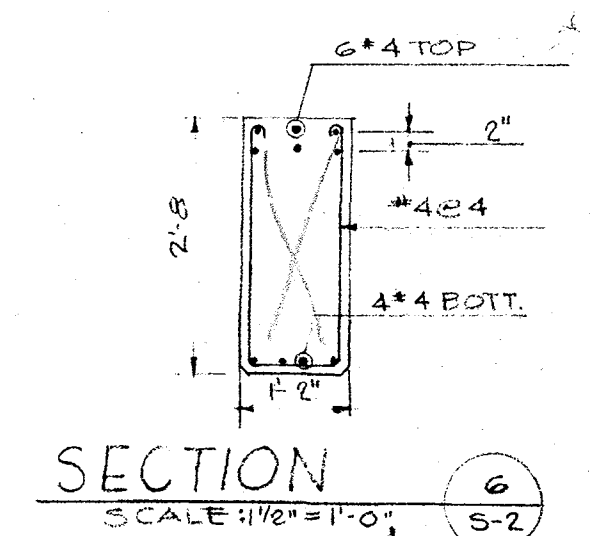
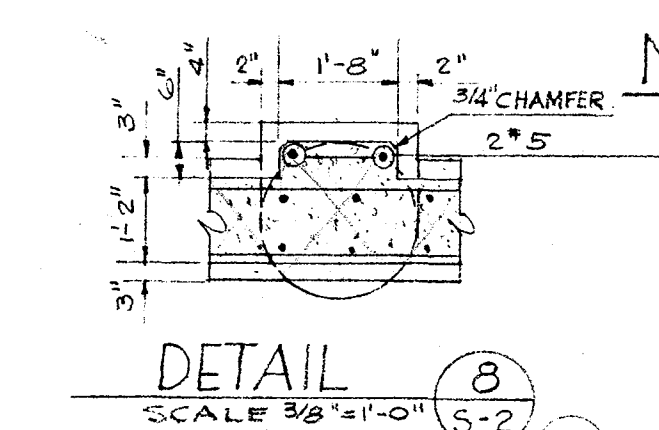
Scale $1/8" = 1'-0"$



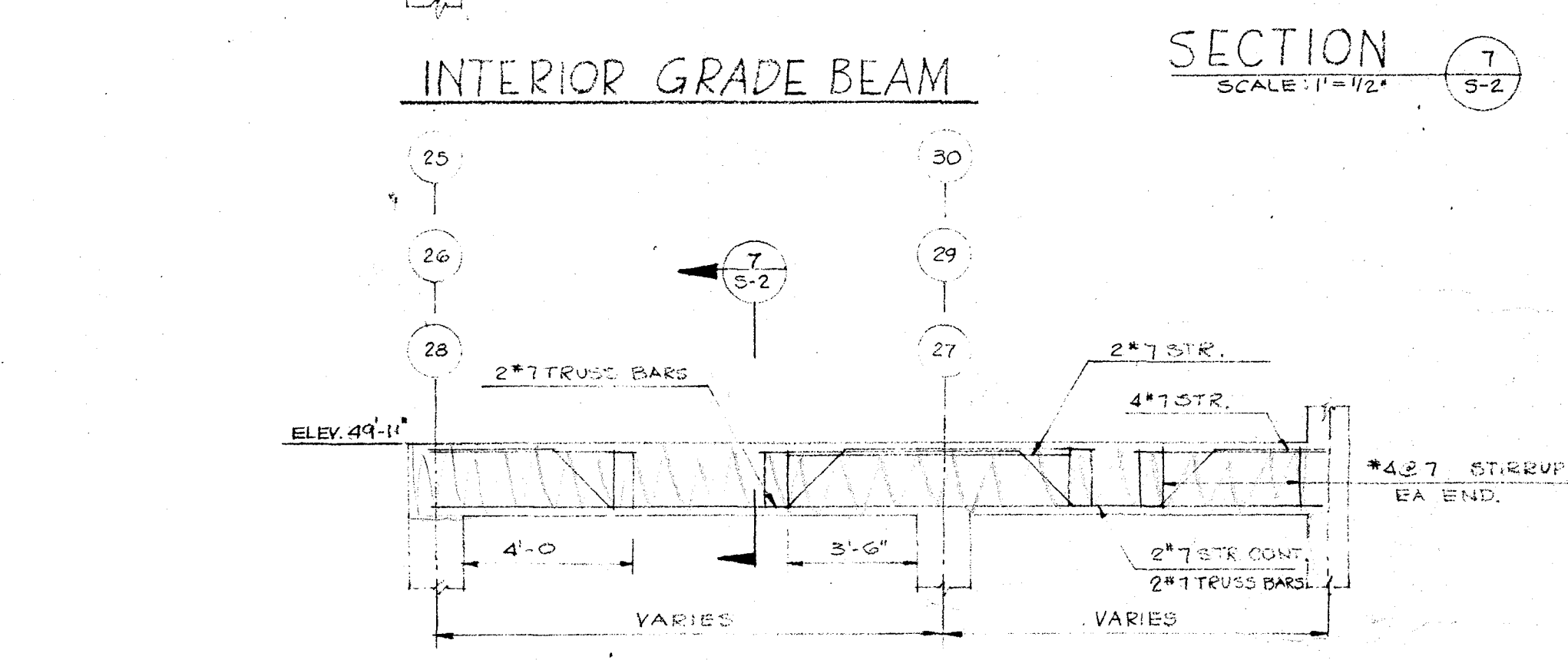
STRUCTURAL DETAILS		DATE
HARTS SCIENCE HALL LINCOLN UNIVERSITY LINCOLN, ILLINOIS		10-21-63 RC ACB
HEWITT ARCHITECTS BASTIAN		SHEET S-3
ASSOCIATED ENGINEERS		OF 3-5 SHEETS



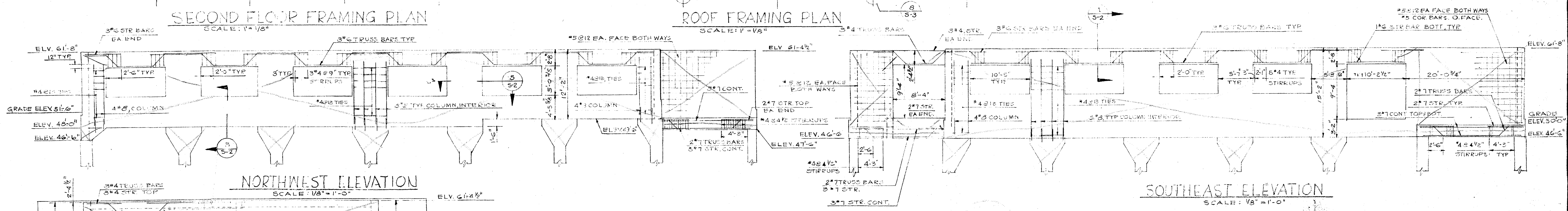
NORTHEAST ELEVATION



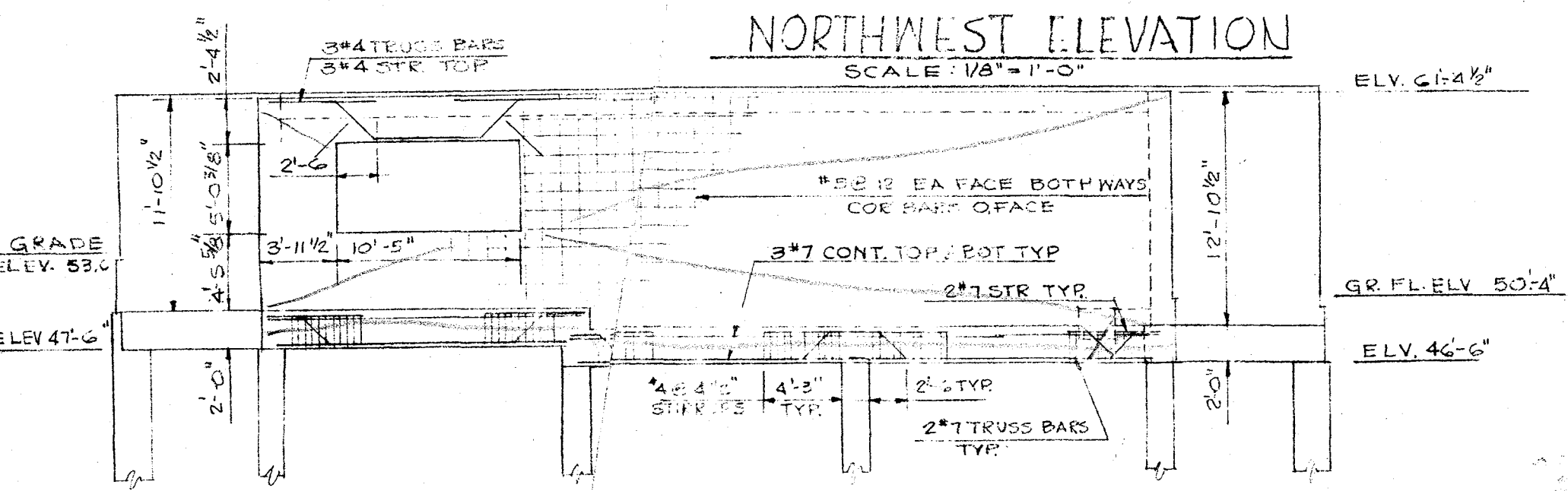
INTERIOR GRADE BEAM



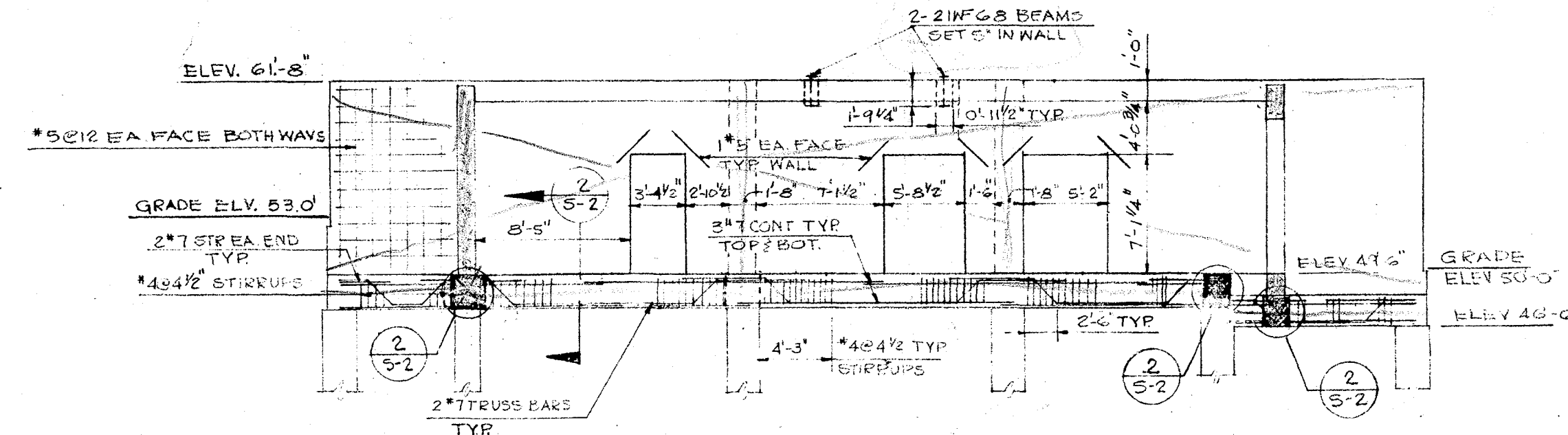
INTERIOR GRADE BEAM



SOUTHEAST ELEVATION
SCALE: $\frac{1}{8}" = 1'-0"$

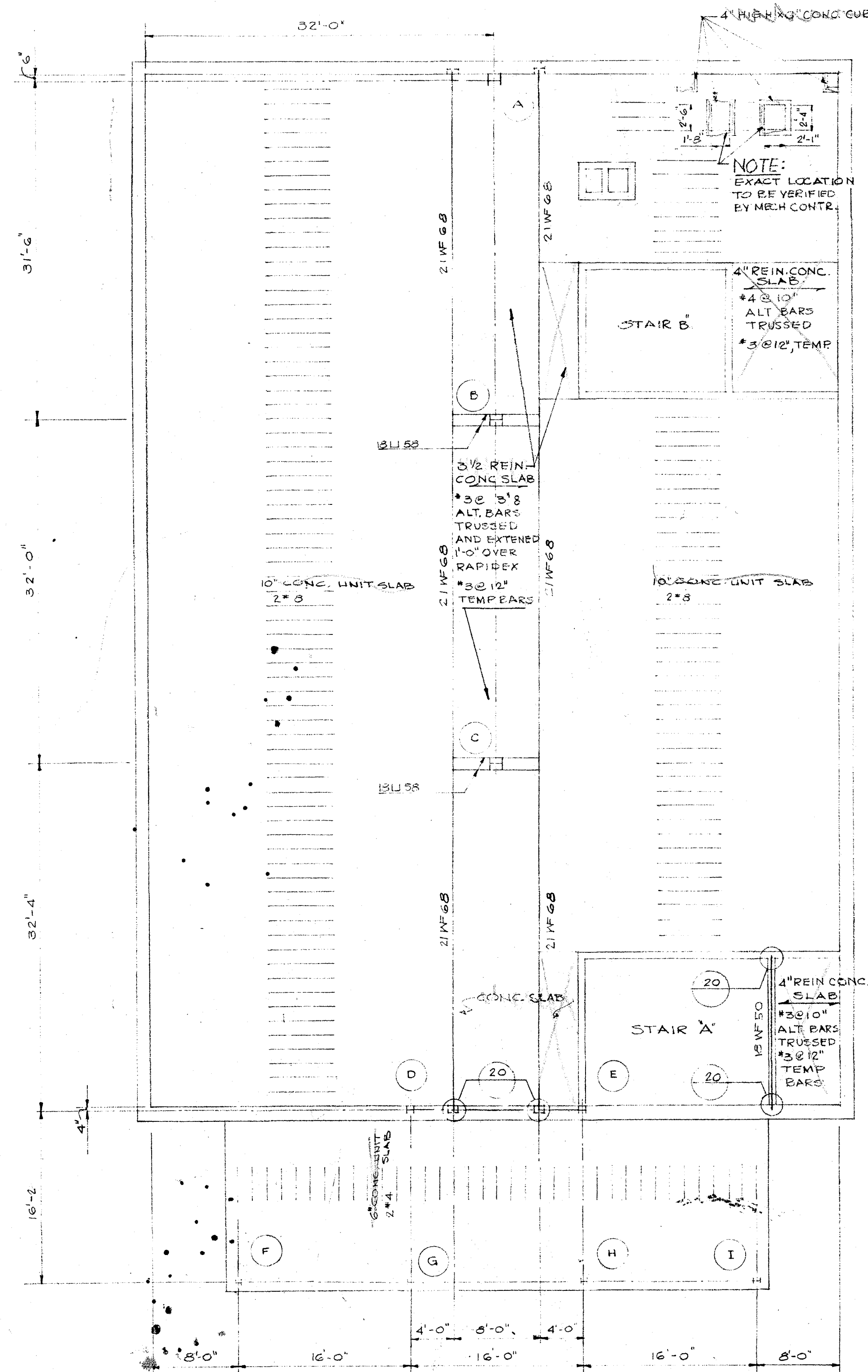
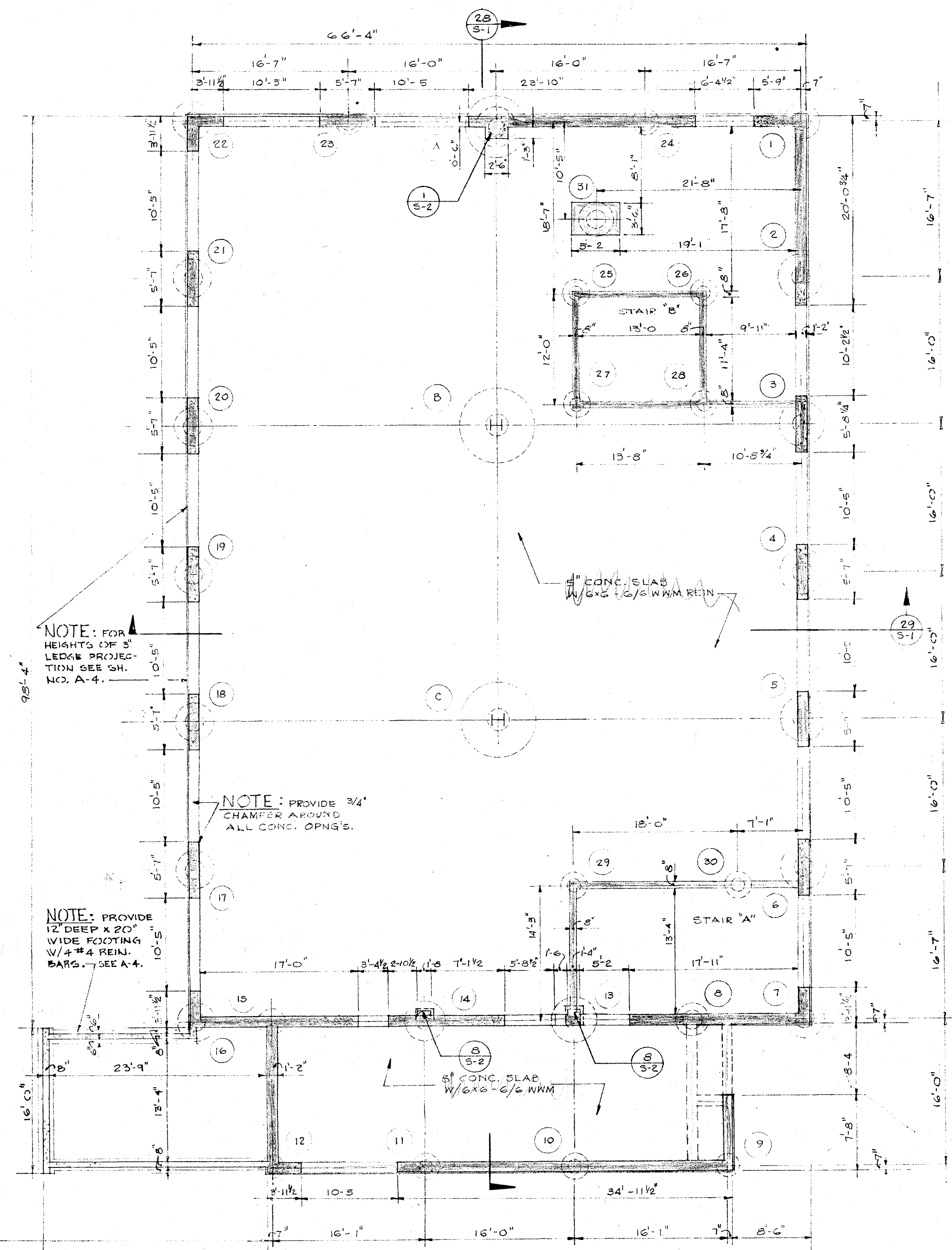


SOUTHWEST ELEVATION PORCH WALL

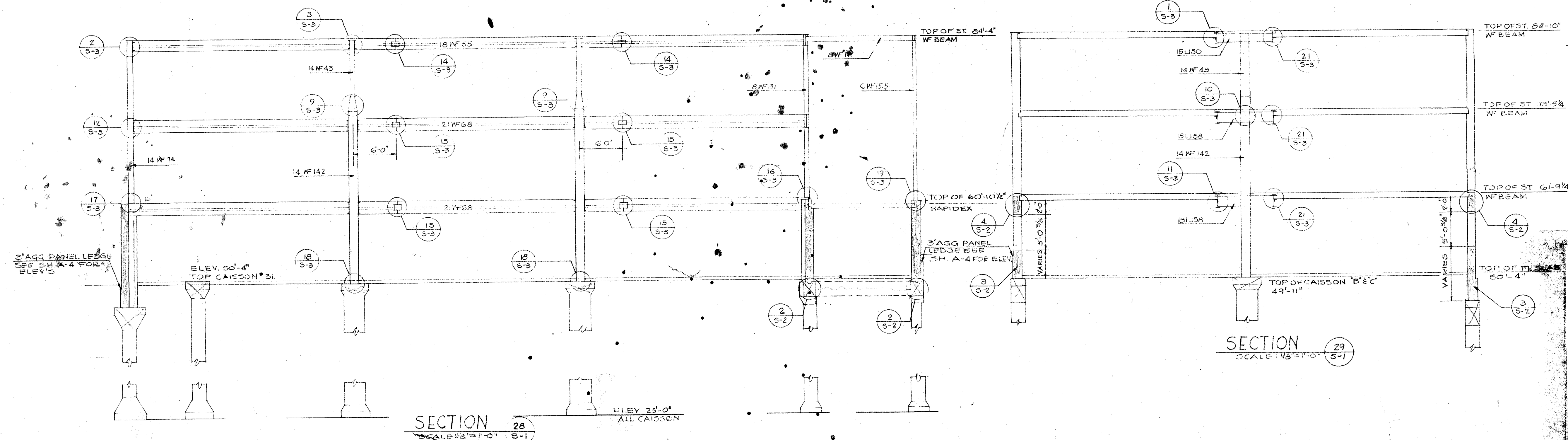
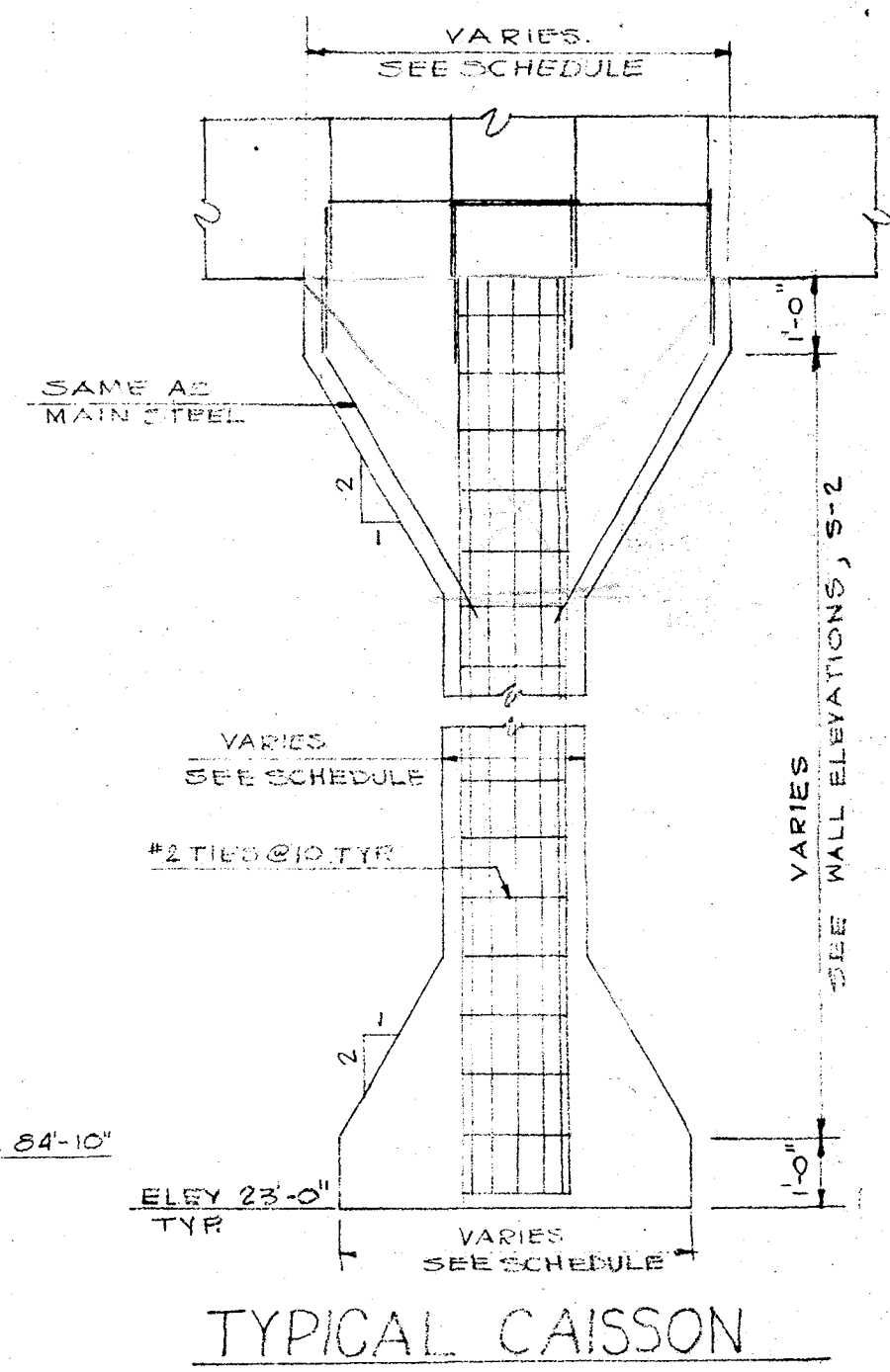


SOUTHWEST ELEVATION MAIN WALL

SECOND & ROOF FRAMING PLANS, WALL ELEV, DETAILS		DATE 10-21-68
		RC ACB
HARTS SCIENCE HALL LINCOLN UNIVERSITY LINCOLN, ILLINOIS		
HEWITT BASTIAN ARCHITECTS	FIRST NATIONAL BANK BUILDING PEORIA, ILLINOIS PK: 673-5711	SHEET 5-2
ASSOCIATED ENGINEERS	505 W. NEBRASKA PEORIA, ILLINOIS	OF 3-8 SHEETS



MARK	COLUMN SIZE	COLUMN BASE PLATE	STEM SIZE	FTG. BELL SIZE	CAISSON REIN.
A	14 WF 74	26x17x2"	2'-0"	4'-0"	12#5
B	14 WF 142	34x25x3"	3'-0"	4'-0"	12#7
C	14 WF 142	34x25x3"	3'-0"	4'-0"	12#7
D	8 WF 31	16x12x3/4"	---	---	---
E	8 WF 31	16x12x3/4"	---	---	---
F	6 WF 15.5	12x10x1/2"	---	---	---
G	6 WF 15.5	12x10x1/2"	---	---	---
H	6 WF 15.5	12x10x1/2"	---	---	---
I	6 WF 15.5	12x10x1/2"	---	---	---
J	14 WF 43	---	---	---	---
K	14 WF 43	---	---	---	---
1	NONE	NONE	2'-0"	4'-0"	12#5
2	---	---	2'-0"	5'-0"	12#5
3	---	---	2'-0"	5'-0"	12#5
4	---	---	2'-0"	5'-0"	12#5
5	---	---	2'-0"	5'-0"	12#5
6	---	---	2'-0"	5'-0"	12#5
7	---	---	2'-0"	5'-0"	12#5
8	---	---	2'-0"	5'-0"	12#5
9	---	---	1'-6"	3'-0"	8#4
10	---	---	1'-6"	3'-0"	8#4
11	---	---	1'-6"	3'-0"	8#4
12	---	---	1'-6"	3'-0"	8#4
13	---	---	2'-0"	5'-0"	12#5
14	---	---	2'-0"	5'-0"	12#5
15	---	---	2'-0"	5'-0"	12#5
16	---	---	2'-0"	5'-0"	12#5
17	---	---	2'-0"	5'-0"	12#5
18	---	---	2'-0"	5'-0"	12#5
19	---	---	2'-0"	5'-0"	12#5
20	---	---	2'-0"	5'-0"	12#5
21	---	---	2'-0"	5'-0"	12#5
22	---	---	2'-0"	5'-0"	12#5
23	---	---	2'-0"	5'-0"	12#5
24	---	---	2'-0"	5'-0"	12#5
25	---	---	1'-6"	3'-0"	8#4
26	---	---	1'-6"	3'-0"	8#4
27	---	---	1'-6"	3'-0"	8#4
28	---	---	1'-6"	3'-0"	8#4
29	---	---	1'-6"	3'-0"	8#4
30	---	---	1'-6"	3'-0"	8#4
31	NONE	NONE	2'-0"	5'-0"	12#5



FOUNDATION & FIRST FLOOR FRAMING PLANS, DETAILS

HARTS SCIENCE HALL, LINCOLN UNIVERSITY, LINCOLN, ILLINOIS

HEWITT ARCHITECTS BASTIAN

FIRST NATIONAL BANK BUILDING PEORIA, ILLINOIS PH: 673-5711

505 W. NEBRASKA PEORIA, ILLINOIS

DATE 10-21-63 RC ACB

SHEET S1

OF 3-5 SHEETS