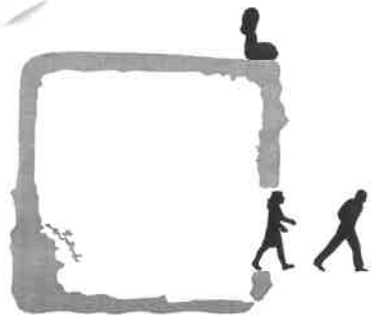
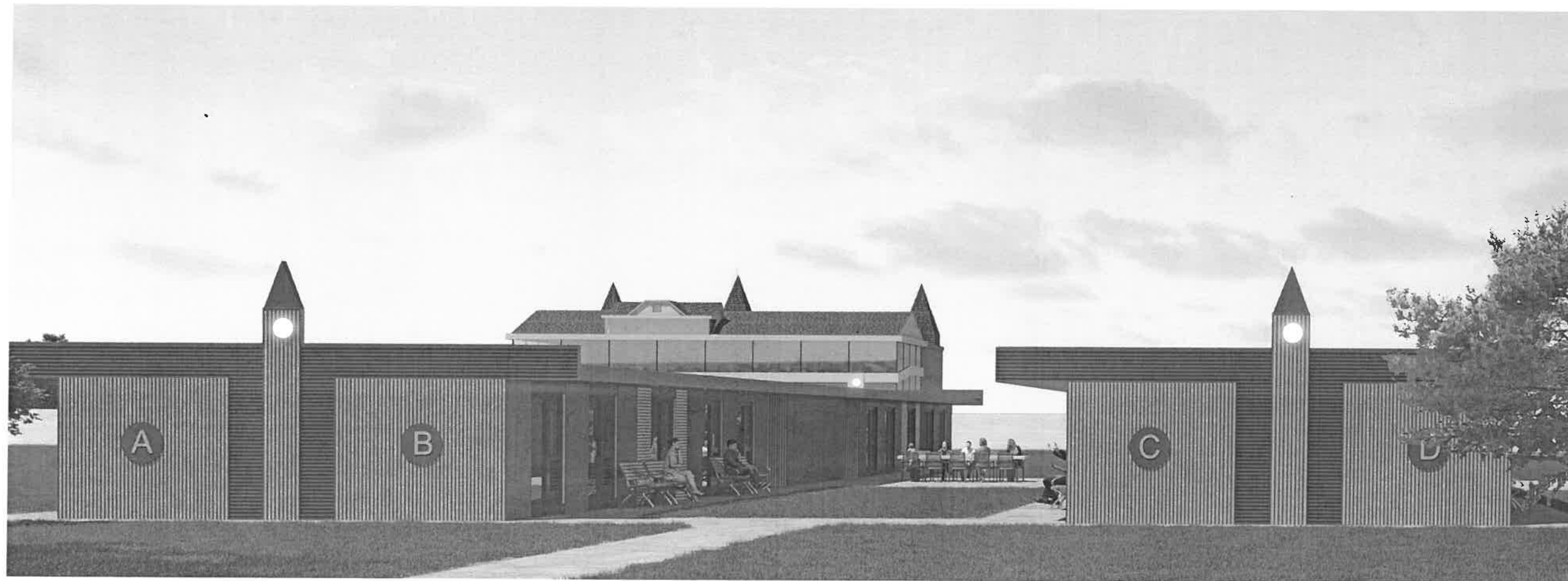
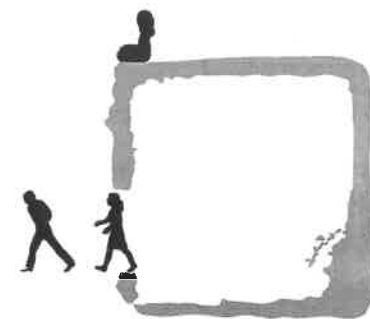




CANTERBURY PARK BACKSIDE HOUSING

1001 CANTERBURY ROAD
SHAKOPEE, MINNESOTA



BUILDING DATA

SITE DATA

TOTAL PROPERTY SURFACE	8,580 sq.ft.
Building previous surface	5,350 sq.ft.
Plaza	1,828 sq.ft.
Access Road Sidewalks	9,600 sq.ft.
Parking Space	Existing

CONSTRUCTION TYPE

Chapter 6 Types of Construction
Table 601c
Type V A
1hr walls 1 hr roof

ALLOWABLE OCCUPANCY

Chapter 3 Use and Occupancy Classifications
310.2 R-2 Dormitory
36 < Sleeping Units 2 occupancy per unit Total
Occupancy 72 occupancy

ALLOWABLE AREA

Chapter 5 General Building Heights and Areas
Table 503
Type V A 12,000 sq.ft.
Sprinkler Increase 300% 36,000 sq.ft.
Total Building Area 8,560 sq.ft. < 36,000 sq.ft.

EGRESS

Chapter 10 Means of Egress
Table 1015.1 10 < 2 per room
1008.1.1 Minimum 32" required < 36" provided

PLUMBING

Chapter 29
Table 2902.1
1 utility sink
1 drinking fountain
9 lavs
9 water closet
9 shower per room
1 HCP Toilet
1 HCP Room

ARCHITECTURAL

- A0 COVER DATA SHEET
- AS1 SITE PLAN
- A1 FLOOR PLAN
- A2 BUILDING ELEVATIONS
- A3 BUILDING SECTIONS
- A4 WINDOWS DOORS DETAILS
- A5 ROOF PLAN

STRUCTURAL

- S1 FOOTING FOUNDATION PLAN
- S2 STRUCTURAL DETAILS
- S3 ROOF FRAMING PLAN
- S4 WALL FRAMING PLAN

PLUMBING

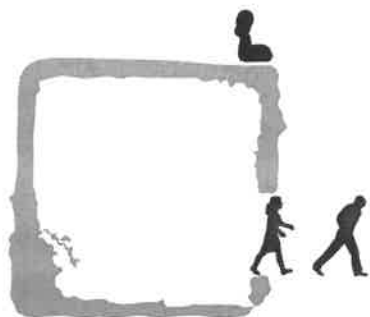
- P1 PLUMBING PLAN
- P2 PLUMBING PLAN

MECHANICAL

- M1 HVAC
- M2 DETAILS

ELECTRICAL

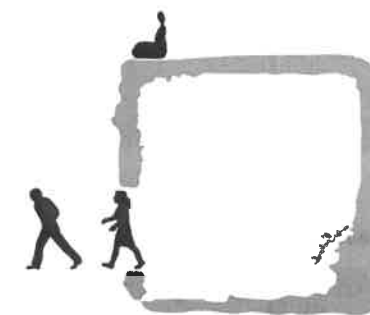
- E1 ELECTRICAL FLOOR PLAN
- E2 ELECTRICAL PANEL

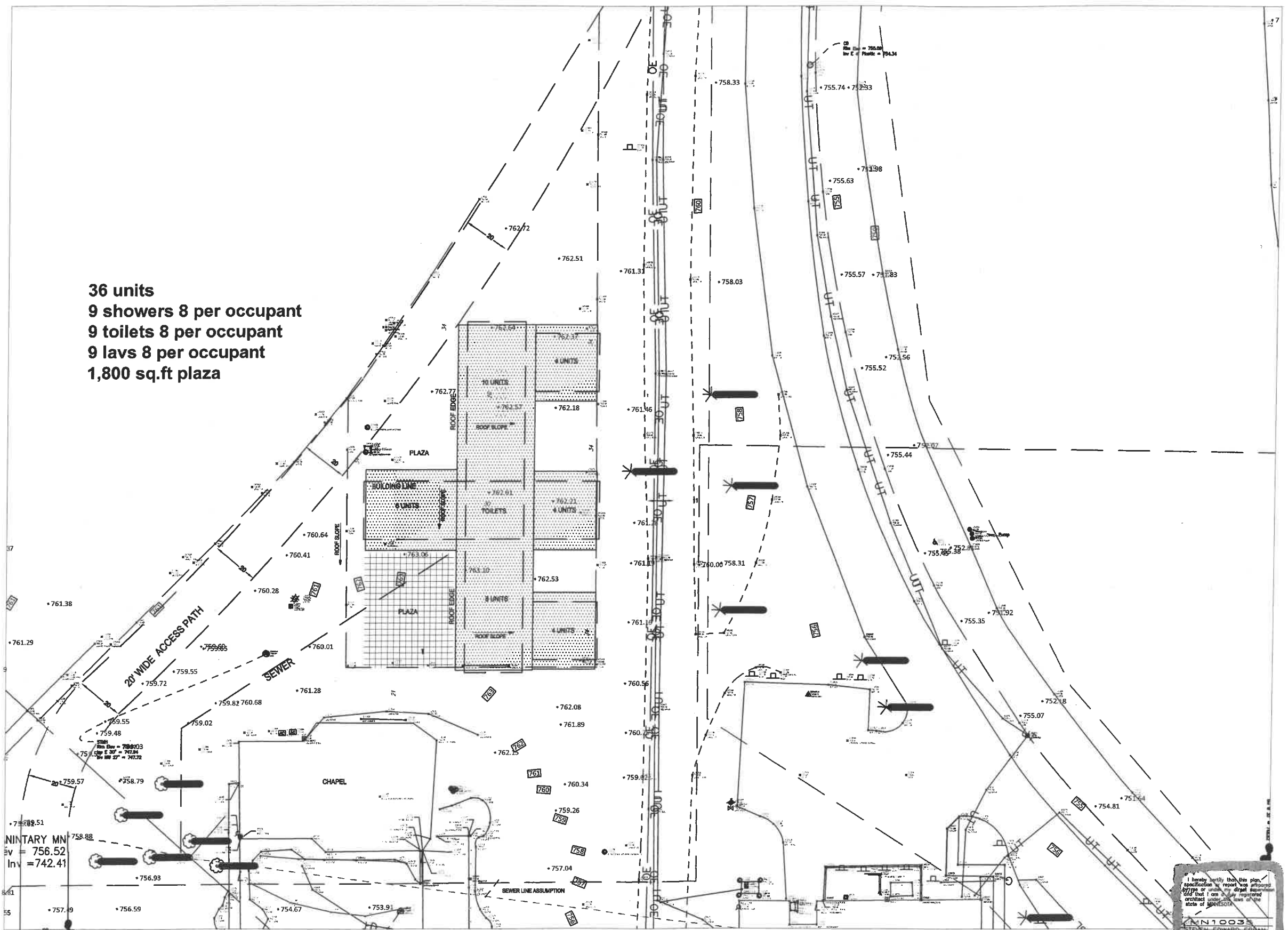


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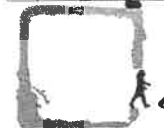
phone: 612 801 7141





36 units
 9 showers 8 per occupant
 9 toilets 8 per occupant
 9 lavs 8 per occupant
 1,800 sq.ft plaza

MINUTARY MN
 Elev = 756.52
 Inv = 742.41



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SITE PLAN

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 DATE SHOWN
 DATE DRAWN
 DATE REVISED
 SEE
 AS-1



ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	FINISH	CEILING	FINISH	WALL	FINISH	BASE	FINISH
A 101-112	SLEEPING ROOM	concrete		wood deck	sealer	5 / 8" s.r.	steel panel		
B 101-110	SLEEPING ROOM	concrete		wood deck	sealer	5 / 8" s.r.	steel panel		
C 101-108	SLEEPING ROOM	concrete		wood deck	sealer	5 / 8" s.r.	steel panel		
D 101-106	SLEEPING ROOM	concrete		wood deck	sealer	5 / 8" s.r.	steel panel		
T 101	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 102	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 103	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 104	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 105	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 106	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 107	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer	5 / 8" s.r.			
T 108	(1)TOILET (1)SHOWER (1) LAV	concrete		wood deck	sealer				
THCP 101	(1)TOILET (1)SHOWER (1) LAV								
A B C D	HALLWAYS								

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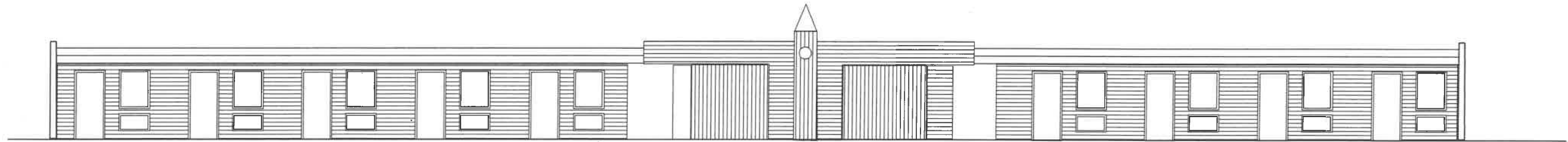
UNIT A - B - C - D
FLOOR PLAN

A2

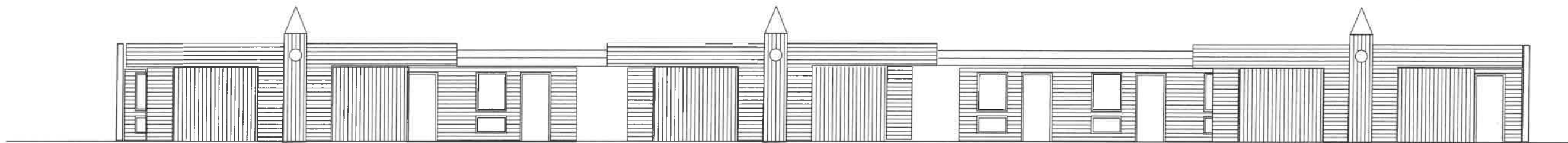


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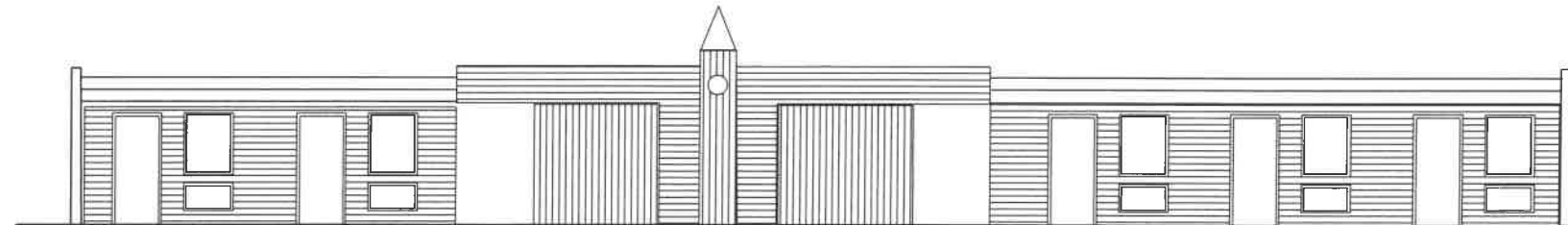
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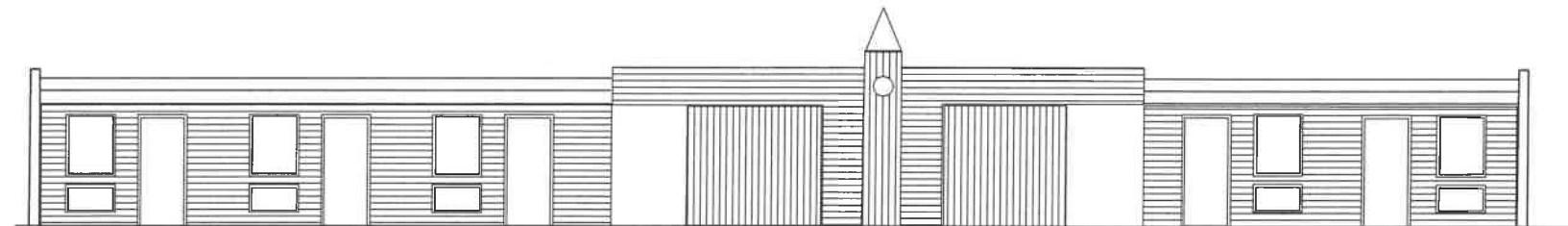
WEST ELEVATION



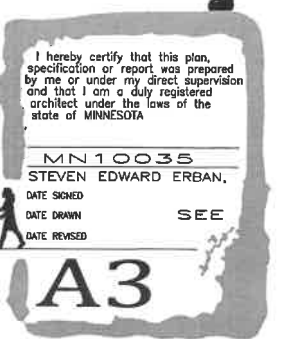
EAST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION



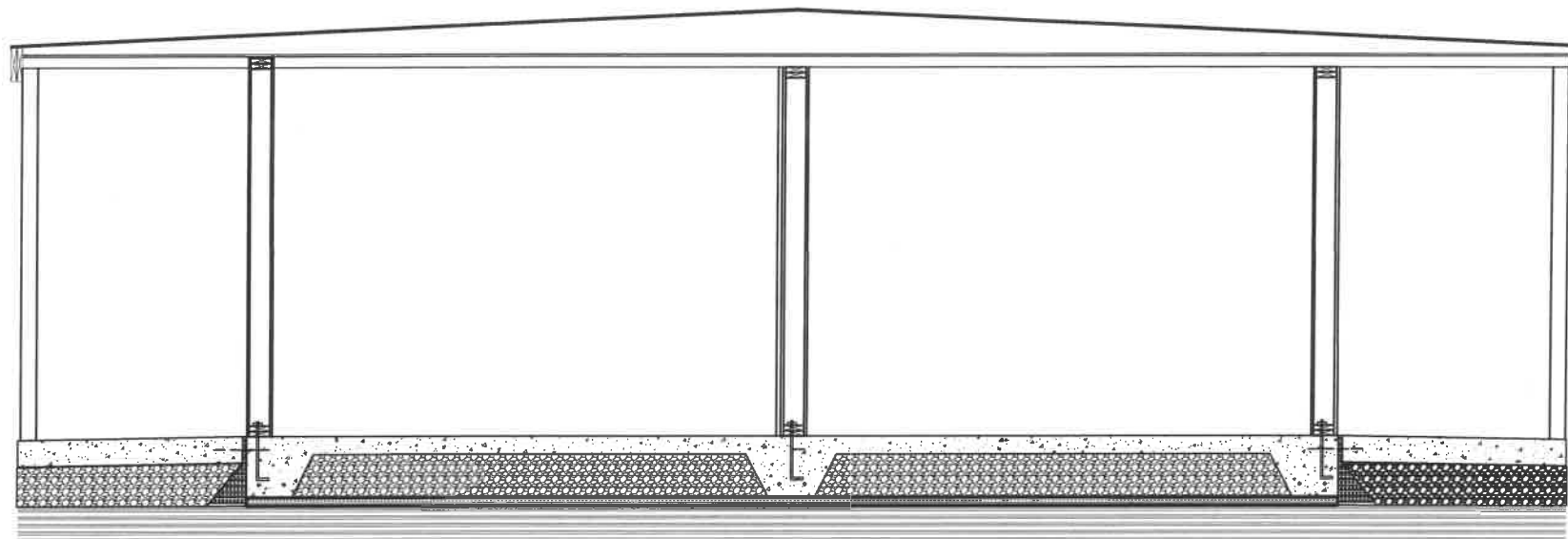
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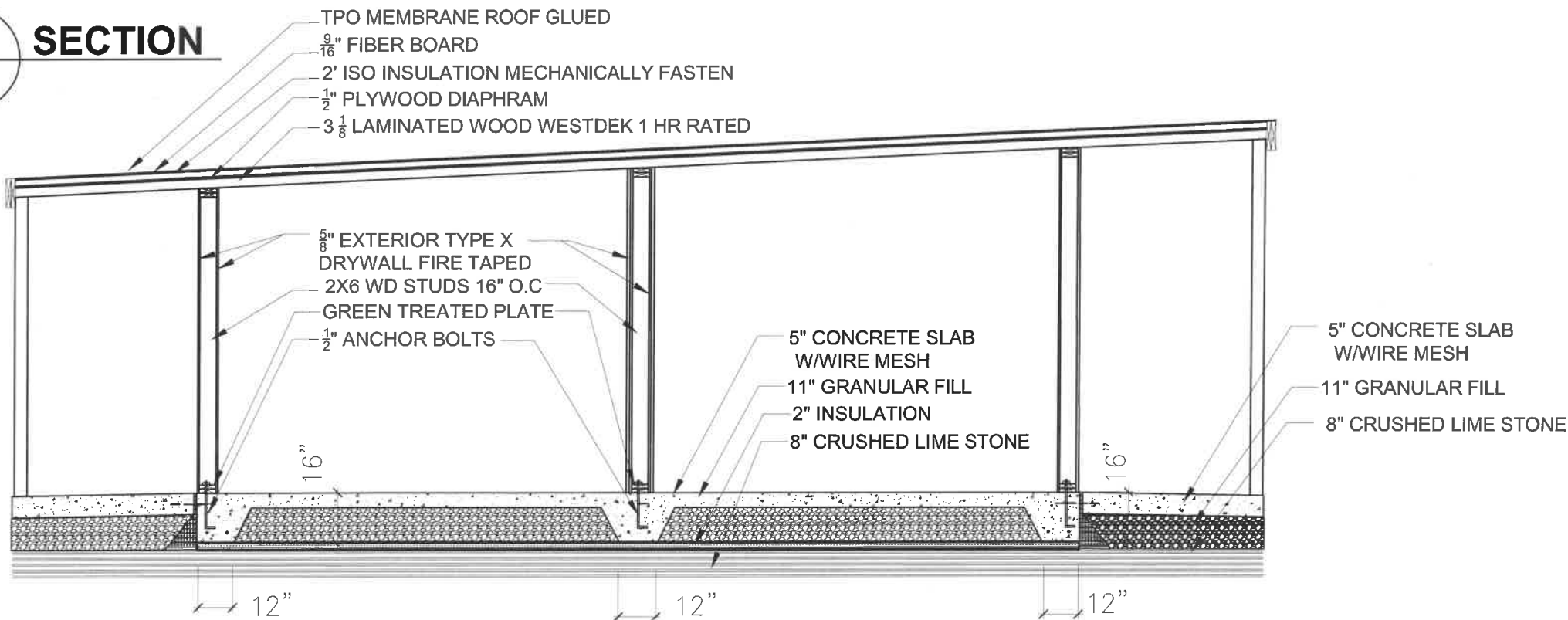
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ELEVATIONS

A3



1
A4 SECTION



2
A4 SECTION



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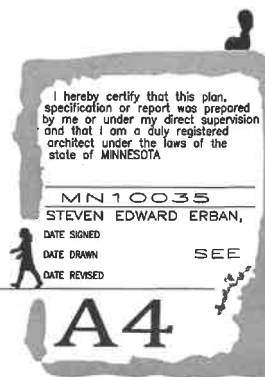
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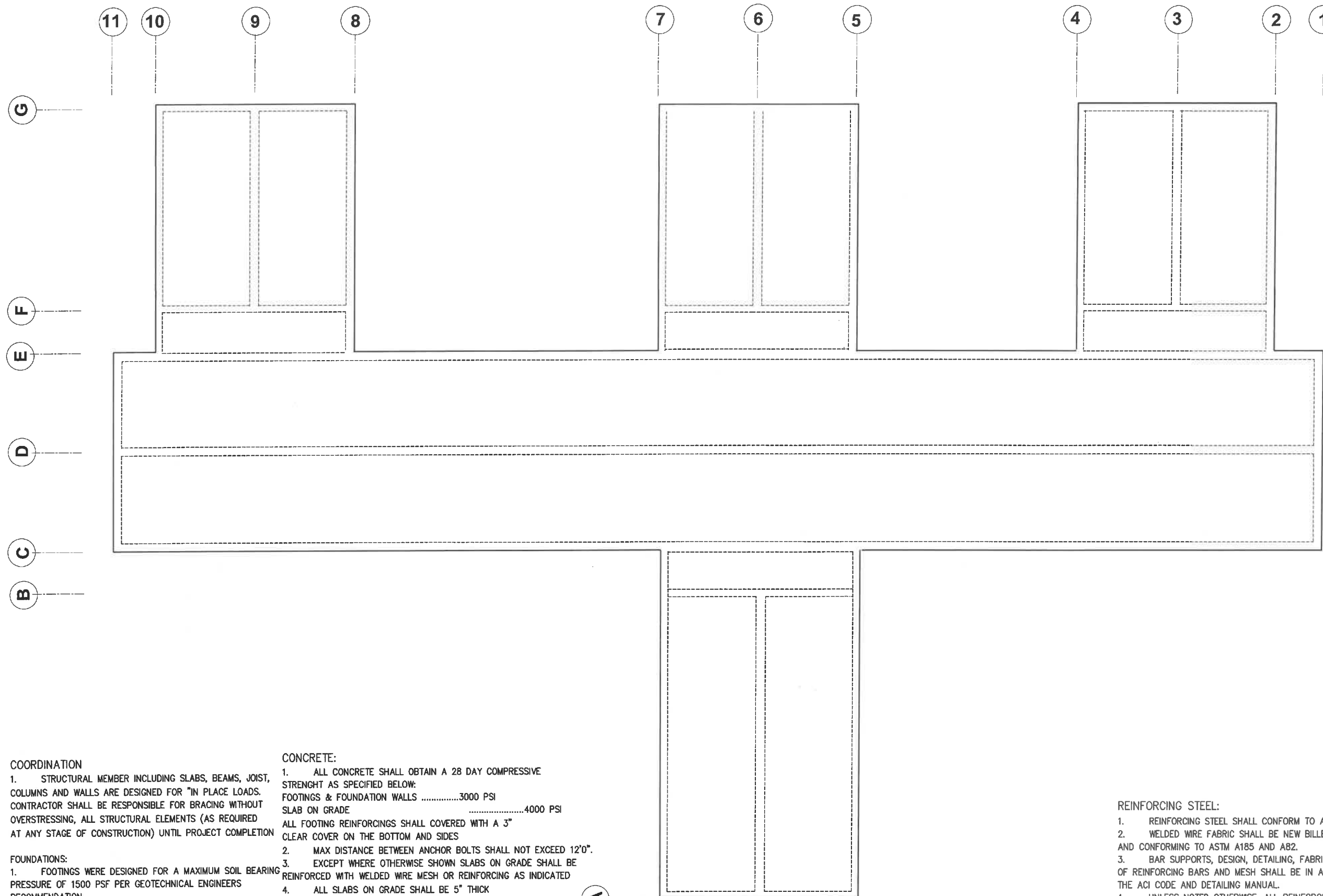
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SECTIONS

A4



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COORDINATION

1. STRUCTURAL MEMBER INCLUDING SLABS, BEAMS, JOIST, COLUMNS AND WALLS ARE DESIGNED FOR "IN PLACE LOADS. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING WITHOUT OVERSTRESSING, ALL STRUCTURAL ELEMENTS (AS REQUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL PROJECT COMPLETION

FOUNDATIONS:

1. FOOTINGS WERE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 1500 PSF PER GEOTECHNICAL ENGINEERS RECOMMENDATION.

CONCRETE:

- ALL CONCRETE SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH AS SPECIFIED BELOW:
FOOTINGS & FOUNDATION WALLS 3000 PSI
SLAB ON GRADE 4000 PSI
ALL FOOTING REINFORCINGS SHALL COVERED WITH A 3" CLEAR COVER ON THE BOTTOM AND SIDES
- MAX DISTANCE BETWEEN ANCHOR BOLTS SHALL NOT EXCEED 12"0".
- EXCEPT WHERE OTHERWISE SHOWN SLABS ON GRADE SHALL BE REINFORCED WITH WELDED WIRE MESH OR REINFORCING AS INDICATED
- ALL SLABS ON GRADE SHALL BE 5" THICK
CONTRACTOR SHALL SUBMIT CONCRETE DESIGN MIX
- ALL SLAB CONCRETE SHALL BE 4000 PSI WITH WATER CONTENT RATION LESS THAN .50.

REINFORCING STEEL:

- REINFORCING STEEL SHALL CONFORM TO ASTM (GRADE 60).
- WELDED WIRE FABRIC SHALL BE NEW BILLET STEEL COLD DRAWN AND CONFORMING TO ASTM A185 AND A82.
- BAR SUPPORTS, DESIGN, DETAILING, FABRICATION AND PLACING OF REINFORCING BARS AND MESH SHALL BE IN ACCORDANCE WITH THE ACI CODE AND DETAILING MANUAL.
- UNLESS NOTED OTHERWISE, ALL REINFORCING LAP SPLICES SHALL BE 40 BAR DIAMETERS.

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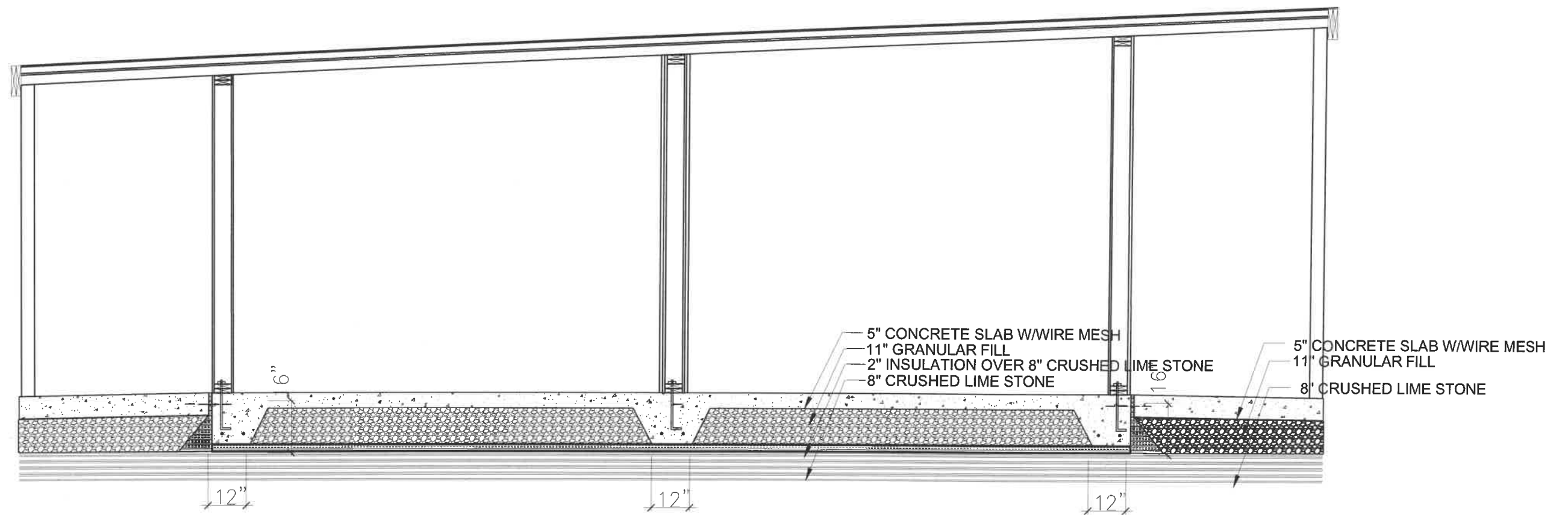


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BERNIE STROH, P.L. JANUARY 20, 2021 REG NO.



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S2

FOOTING - FOUNDATION DETAILS

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