

GENERAL STRUCTURAL NOTES

SOIL CONDITIONS AND FOUNDATION DESIGN

Soil in the general area of the site had been tested to show a bearing capacity of about 3 kips/sf. Footing and foundation design shown on drawings are based on this tested soil strength. Prior to construction, Owner shall conduct tests of the soil beneath the building footprint shown on drawings. Where additional footings and or foundations are required due to unacceptable soil conditions as revealed by new tests, Owner shall be responsible for both the design and construction costs of the additional footing and foundation work. Regardless of whether these new tests will be conducted or not, contractor shall conduct surface investigations of soil conditions during and at the completion of footing excavation and report unacceptable soil conditions, if any, to Owner.

CONCRETE REINFORCEMENTS

1. Concrete reinforcement bars & WWF in footing, foundation, floor slab, and stoops shall be epoxy coated.
2. Reinforcements shall extend 2'-0" into foundation.

MASONRY

1. Reinforced CMU wall: CMU Bearing wall is designed to be of reinforced construction. Reinforcements are as described below. All reinforced cores shall be grouted solid.
2. Vertical reinforcement shall consist of #8 bars at 24" o.c. for walls above 19' height, and at 40" o.c. for walls below 19' high, heights include non-structural vertical elements bearing on the wall.
3. Horizontal reinforcement shall consist of a #6 bar in bond beam cmu at 48" o.c.
4. Splicing of reinforcing bars shall be a min. of 24".
5. Corner of walls shall be reinforced with bent dowels overlapping horizontal wall reinforcing bars.
6. Wall ties shall be of truss type at 16" o.c., bridging the reinforced wyth and the veneer.
7. Units supporting beams, lintels, etc. shall be grouted solid to the floor or foundation.
8. All R/F shall be epoxy coated.

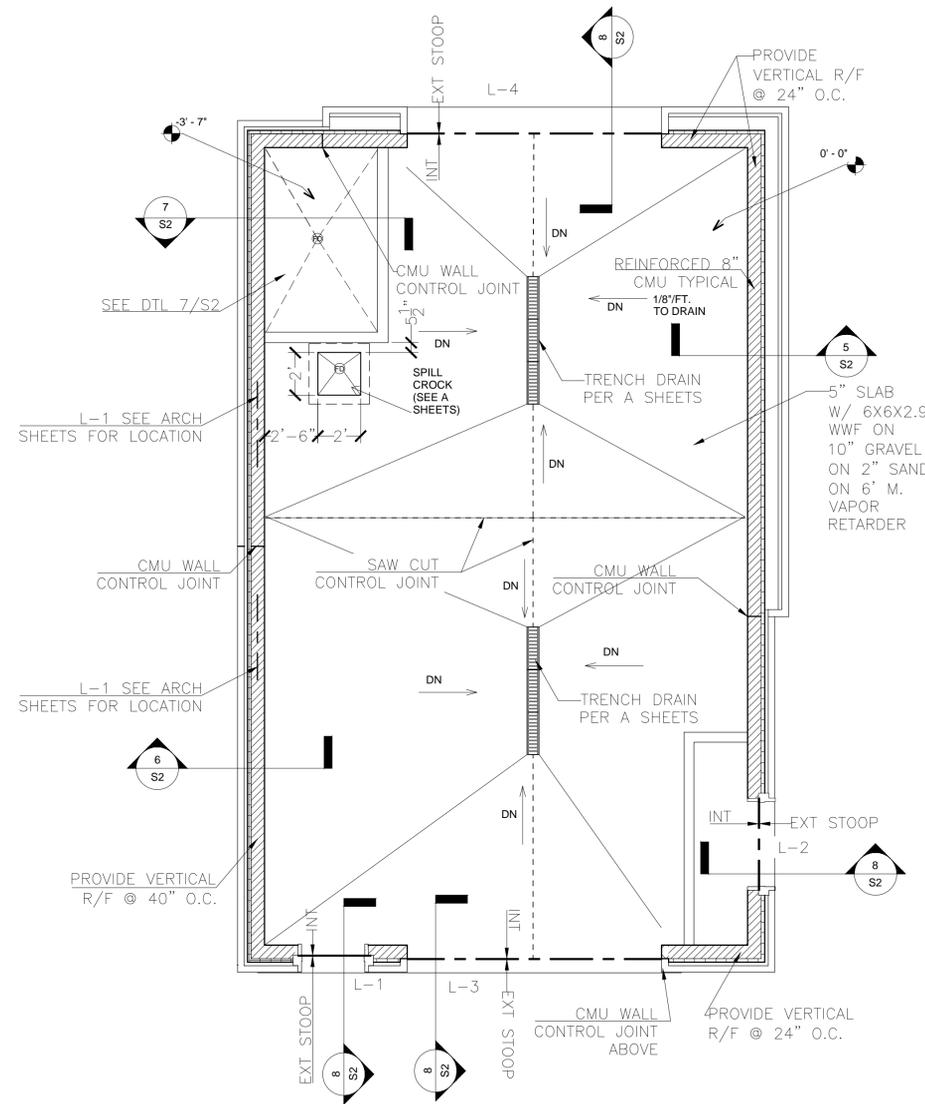
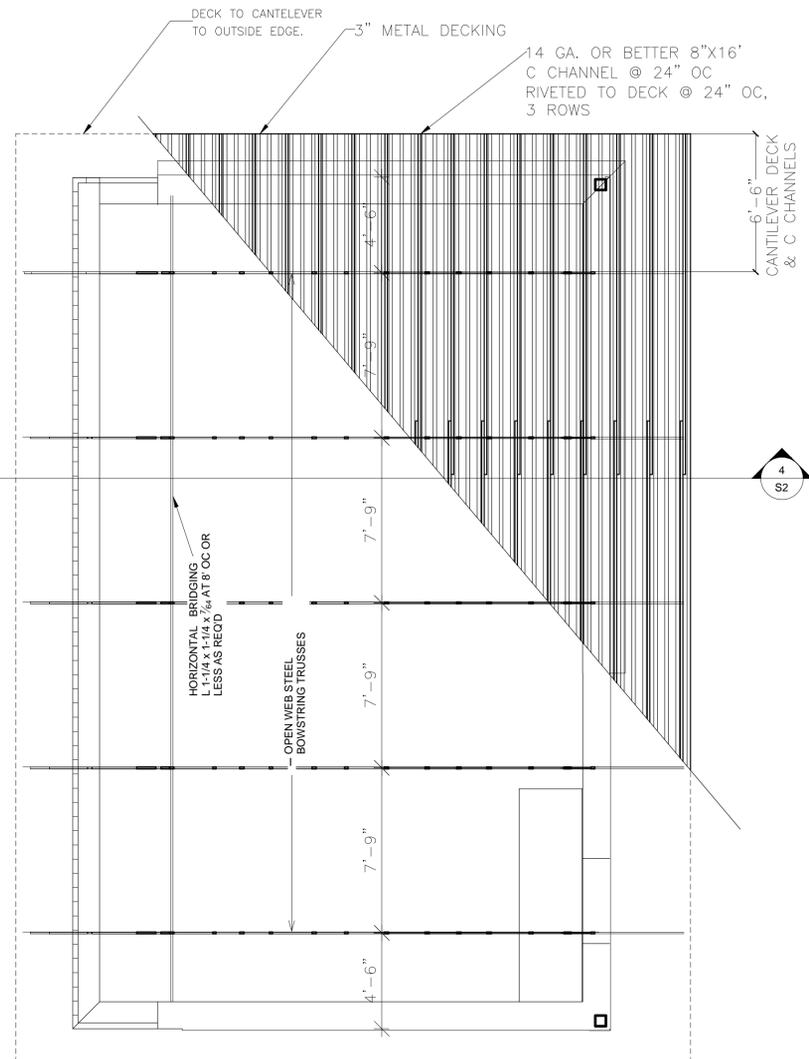
ROOF TRUSS (JOIST)

1. Roof joist (truss) shall be designed and sealed by a professional engineering licensed by the state of Wisconsin and representing the contractor. Design drawings and calculation shall be submitted to Owner prior to preparation of fabrication drawings.
2. Design loads shall be 30 psf snow load, 25 psf wind load, 10 psf roofing load, 10 psf ceiling load. Isolated loads, if any, are shown on plans. Additional traveling provisional load shall be 300 lb.
3. At minimum, provide bridging as shown on drawings. Other bridging as needed shall be added to conform to code and structural performance requirements.

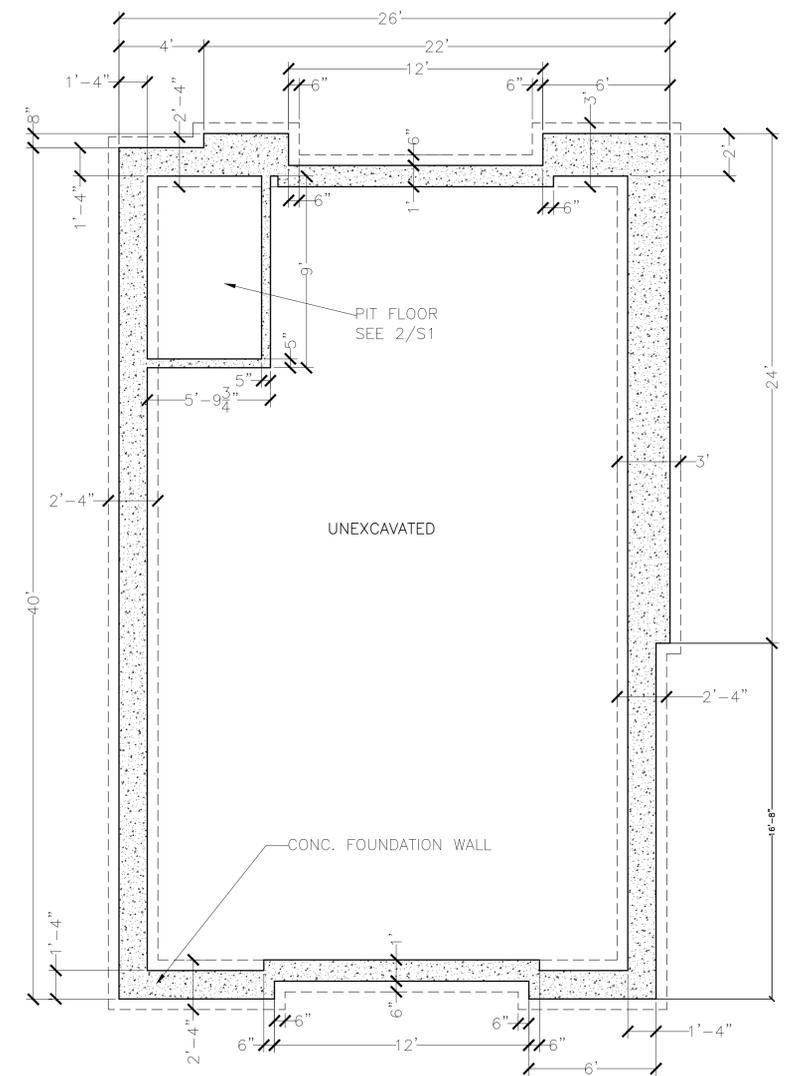
CANTILEVERING ROOF DECK

1. The combination deck and c channel cantilevering assembly shall be designed to project 7' from the nearest support member with a deflection of not greater than 1/360.
2. Joist (truss) supporting the cantilevering assembly shall be designed for the additional load.

LINTEL Schedule				
LINTEL Number	Type	Door		Remarks
		R.O.	Size	
L-1	STEEL	3' - 4"	(1)4X4X $\frac{1}{2}$ and (2)6X4X $\frac{1}{2}$ STEEL	min 8: bearing ea. side
L-2	STEEL	4' - 4"	(1)4X4X $\frac{1}{2}$ and (2)6X4X $\frac{1}{2}$ STEEL	min 8: bearing ea. side
L-3	STEEL	12' - 0"	W8x28 w/ studs, L4X6X5/16, 7/16x16" bottom plate	min 8: bearing ea. side
L-4	STEEL	12' - 0"	W8x28 w/ studs, L4X6X5/16, 7/16" PL.	min 8: bearing ea. side



NOTE: SEE ARCHITECTURAL SHEETS FOR APPLICABLE DIMENSIONS



3 ROOF FRAMING
S1 1/4" = 1'-0"

2 MASONRY LAYOUT
S1 1/4" = 1'-0"

1 FOUNDATION PLAN
S1 1/4" = 1'-0"



REVISIONS:

DATE: 6-30-10
PROJECT NO: A104 - 08454
SITE NO:
290
BUILDING NO: 252