TILTWALL PANEL NOTES

The tilt wall contractor shall review and verify all dimensions, openings, and weld plate connections. Report any discrepancies to the Structural Engineer prior to casting panels.

The panels are drawn viewed from the inside of the building, unless noted other wise and shall be cast with the exterior face down.

Concrete shall be normal weight Type II with a 28 day compressive strength of 4,000 psi.
See specs for additional criteria. Concrete shall reach a minimum of 3,000 psi minimum compressive strength and 500 psi flexural strength minimum.

All reinforcing steel shall conform to ASTM A-615 Gr. 60

Reinforcing steel to be welded shall conform to ASTM A706.

Casting slab shall be cured and sealed. Saw cuts, cracks, or joints shall be filled and leveled with a sealant to minimize transfer of lines to the exterior panel face.

The contractor shall be responsible for the compatibility of the curing agents, sealants, and releasing agents required for this project.

All burrs, honey comb and pockets shall be removed and repaired after erection.

The centerline of single mat steel shall coincide with the structural thickness of the panel. Panels with 2 layers of mat steel shall have a minimum of 1 1/4" at interior face, 1 3/4" @ exterior face.
See panel drawings for reinforcing requirements. Chairs shall be all plastic.

Provide 2 – #5 continuous each face at the bottom, top, and sides of each panel and at the head, jambs, and sill of each opening and future knock-out unless noted otherwise.

Provide 1-#5 x 3'-0" each face placed diagonally at the corner of each opening and at corner notches in the panels.

Exposed edges of panels shall be chamfered, except at the inside edge of overhead doors and where otherwise noted.

See Architectural drawings for panel finishes, reveals, chamfers, and details not shown. Unless otherwise indicated, All panels shall receive a steel troweled finish on the interior surface.

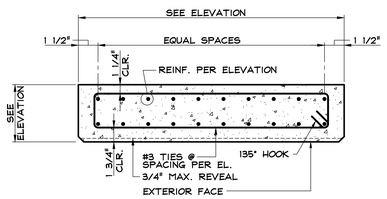
The panels have been designed for in service conditions only. The contractor shall be responsible for the panel lifting design and methods. No allowance has been provided for stress created in the panels during erection. The contractor shall have the panels investigated by a professional Engineer to design panel lifting system.

Lifting inserts visible after final construction shall be patched and finished. Holes in the slab on grade due to braces and/or nailing shall be patched and ground smooth.

Temporary bracing of the panels shall not be removed until after the slab leave out has been poured and the roof diaphragm construction has been completed.

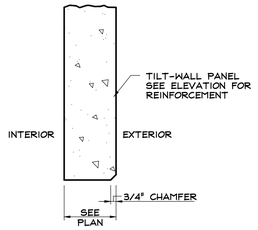
The contractor shall provide the following submittals:

1. Reinforcement layout
2. Embed layout
3. Additional reinforcement for panel erection
4. Erection hardware and lift Engineering



TYP. PANEL LEG DETAIL

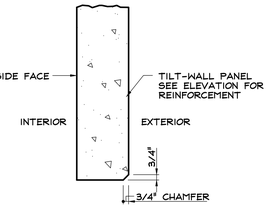
SCALE: NONE



TYPICAL EDGE CONDITION @ OPNGS.

SCALE: NONE

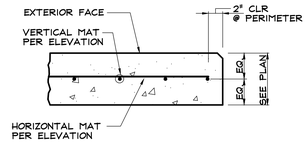
NOTE: REINFORCEMENT NOT SHOWN FOR CLARITY



TYP. OPENING DETAIL @ JAMB

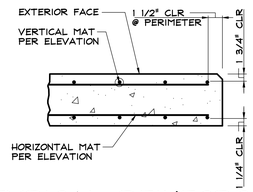
SCALE: NONE

NOTE: REINFORCEMENT NOT SHOWN FOR CLARITY



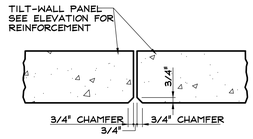
TYPICAL REINFORCEMENT SECTION AT PANEL WITH 1 LAYER OF STEEL

SCALE: NONE



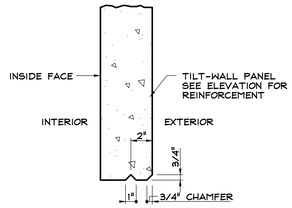
TYPICAL REINFORCEMENT SECTION AT PANEL WITH 2 LAYERS OF STEEL

SCALE: NONE



TYP. PANEL JOINT DETAIL

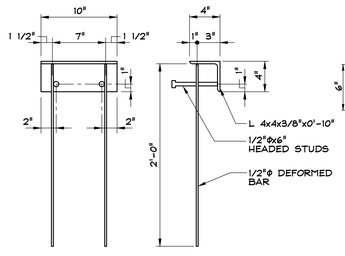
SCALE: NONE



NOTE: REINFORCEMENT NOT SHOWN FOR CLARITY

TYP. OVERHEAD DOOR HEAD DETAIL

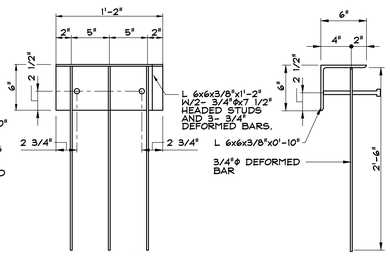
SCALE: NONE



PLAN SECTION

P1

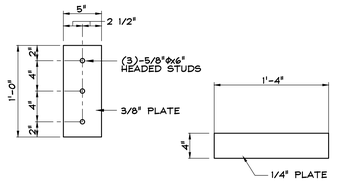
SCALE: 1 1/2" = 1'-0"



PLAN SECTION

P2

SCALE: 1 1/2" = 1'-0"

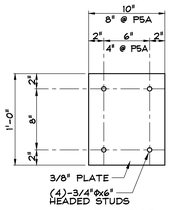


P3

SCALE: 1 1/2" = 1'-0"

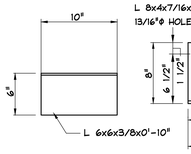
P4

SCALE: 1 1/2" = 1'-0"



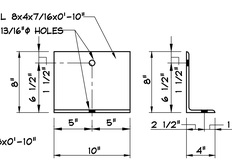
P5/P5A

SCALE: 1 1/2" = 1'-0"



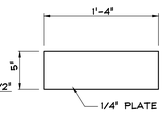
P6

SCALE: 1 1/2" = 1'-0"



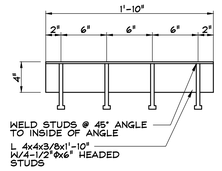
P7

SCALE: 1 1/2" = 1'-0"



P8

SCALE: 1 1/2" = 1'-0"



P9

SCALE: 1 1/2" = 1'-0"

PRINTED: ARCH E1 30" x 42"

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ARCO

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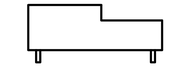
KEY PLAN



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SUBMITTALS

NO.	DATE	DESCRIPTION
	04.12.22	100% TILTWALL REVIEW
	06.09.22	PERMIT

PROJECT NO. AS286-21 | NY131 | 21-154

DRAWN BY CEO

SHEET TITLE

TILTWALL DETAILS

SHEET NO.

T2.3