The Crunch

Business Center

Drawing 1 = 3D Rendered View

Drawing 2 = 3D Black and White View

Drawing 3 = South Wall Elevation and Floor Plan

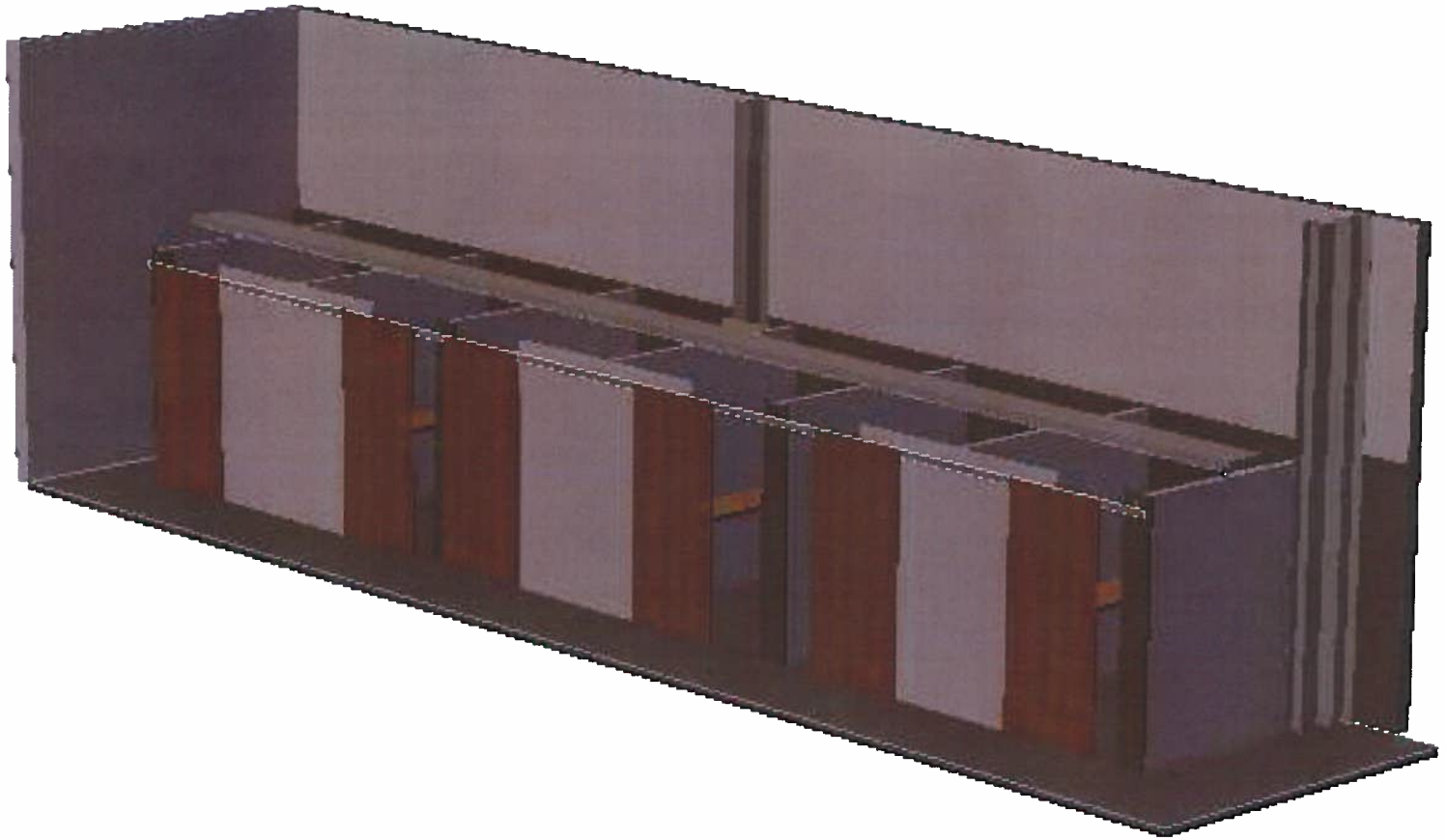
Drawing 4 = Front Wall Dimensions

Drawing 5 = South Wall – East Section

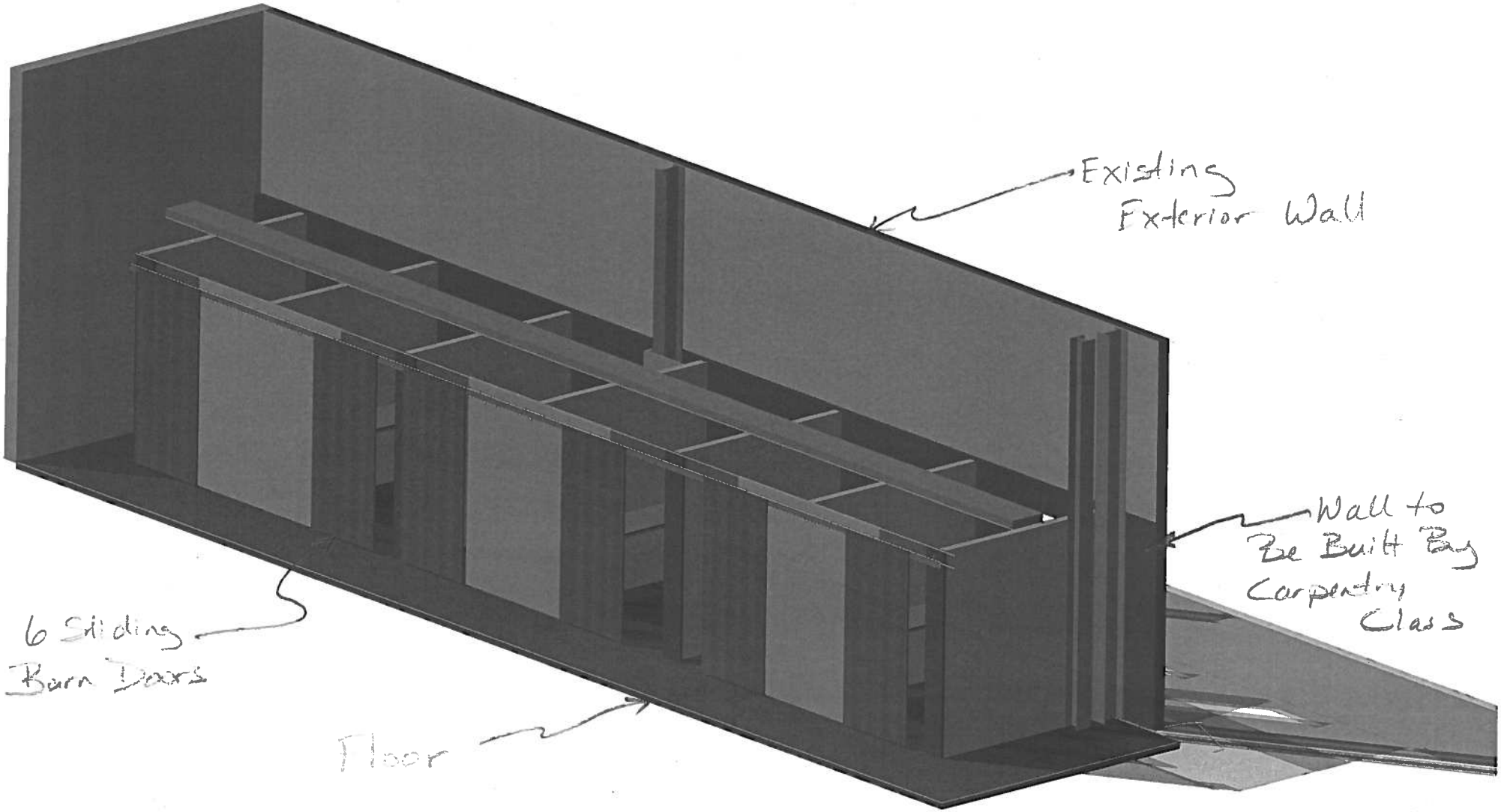
Drawing 6 = South Wall – West Section

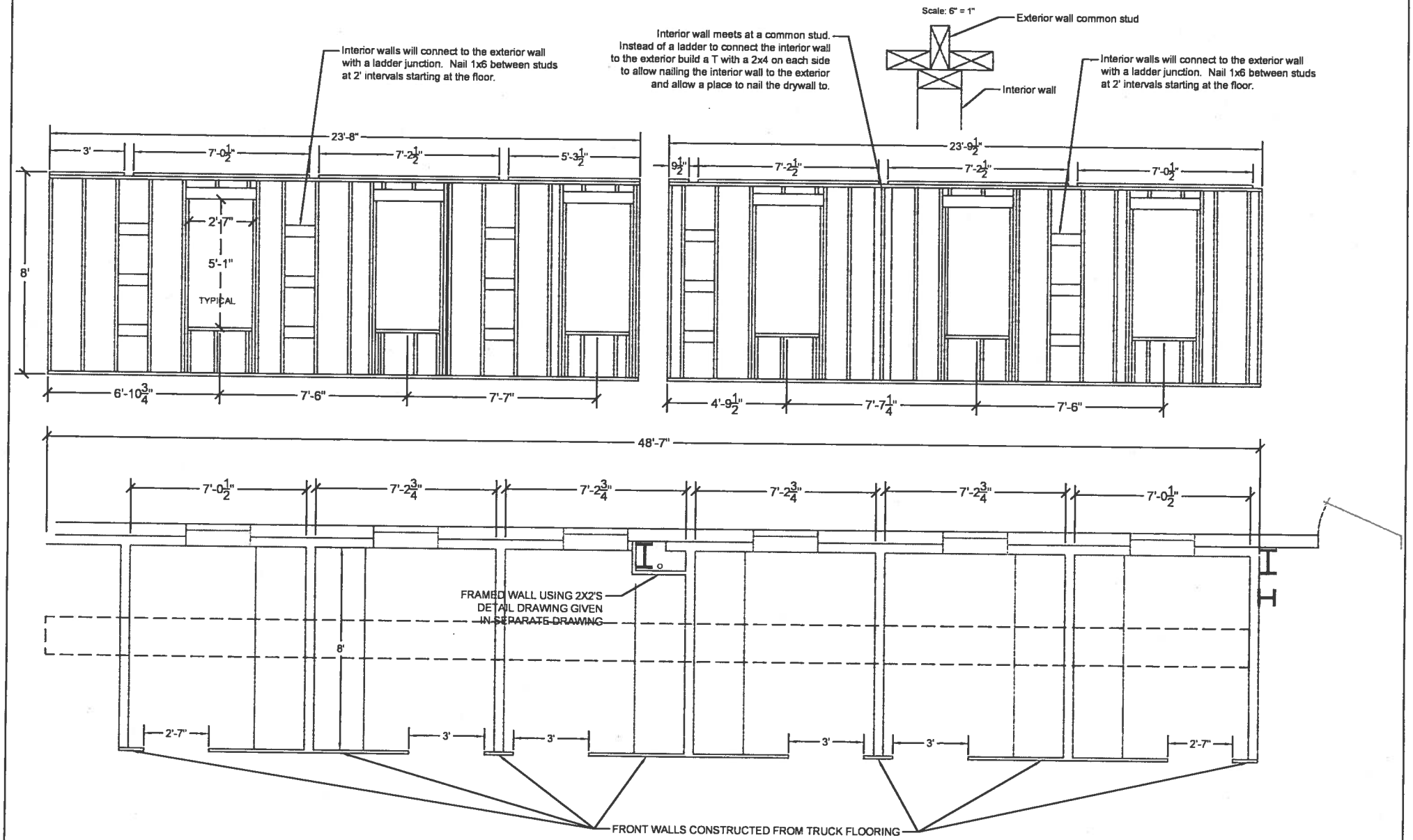
Drawing 7 = Detail of I-beam Framed Wall

Sheet 8 =Information on Ladder Junction and T Junction

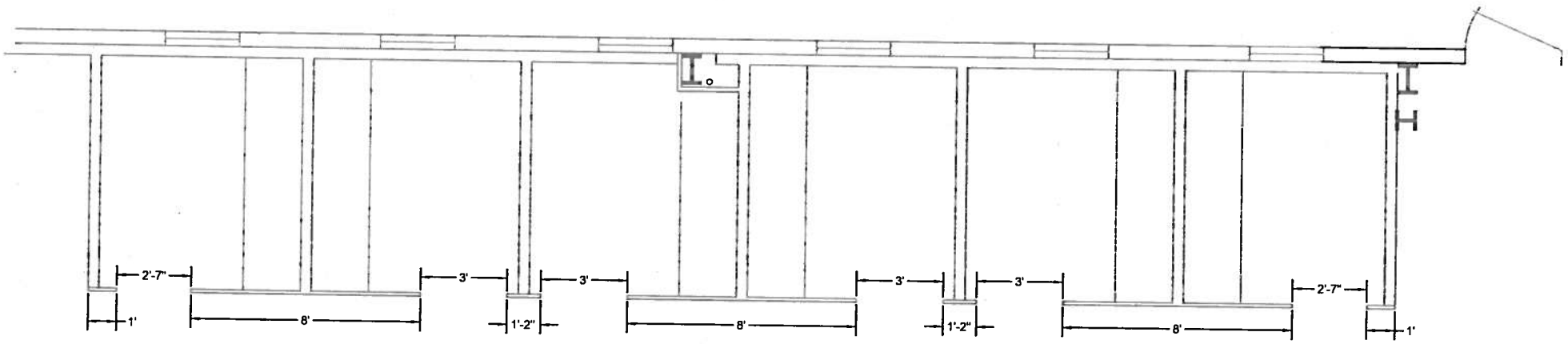


PRODUCTION CENTER	3D	SCALE: TO FIT	7-22-2021


Existing
Exterior Wall
Wall to
Be Built By
Carpentry
Class
6 Sliding
Barn Doors
Floor



CRUNCH BUSINESS CENTER	SOUTH WALL ELEVATION AND FLOORPLAN	SCALE: 3/16" = 1'-0"

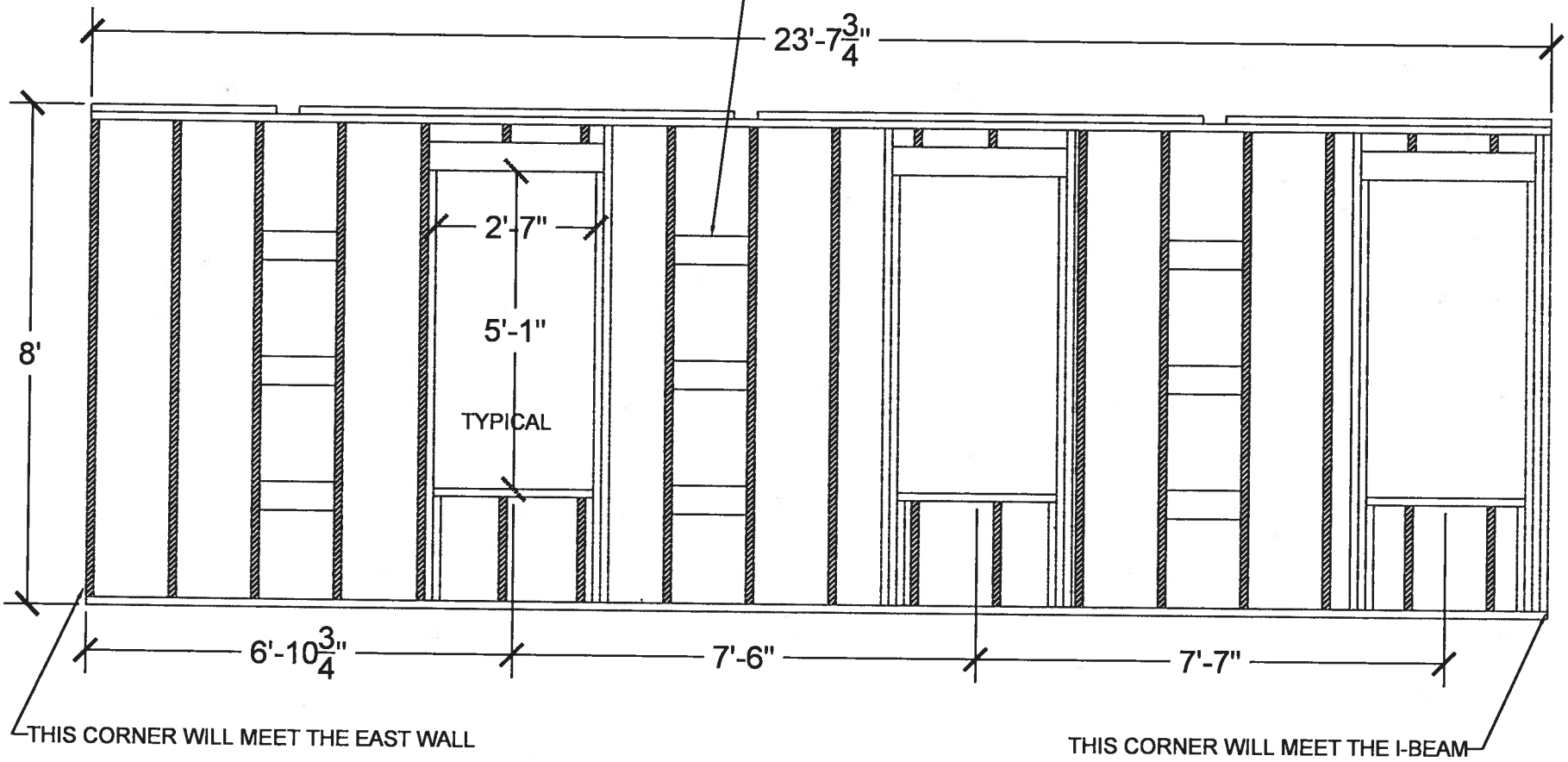


THE FRONT WALL WILL BE BUILT OUT OF THE TRUCK FLOOR MATERIAL.
GLUING PIECES TOGETHER VERTICALLY WITH A HEIGHT OF 8'-0".

CRUNCH BUSINESS CENTER	FRONT WALL DIMENSIONS	SCALE: 3/16" = 1'-0"

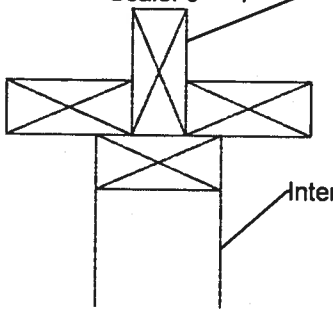
Interior walls will connect to the exterior wall with a ladder junction. Nail 1x6 between studs at 2' intervals starting at the floor.

SHADED STUDS ARE 16" 0.C.



CRUNCH BUSINESS CENTER	SOUTH WALL-EAST SECTION	SCALE: 3/8" = 1'-0"

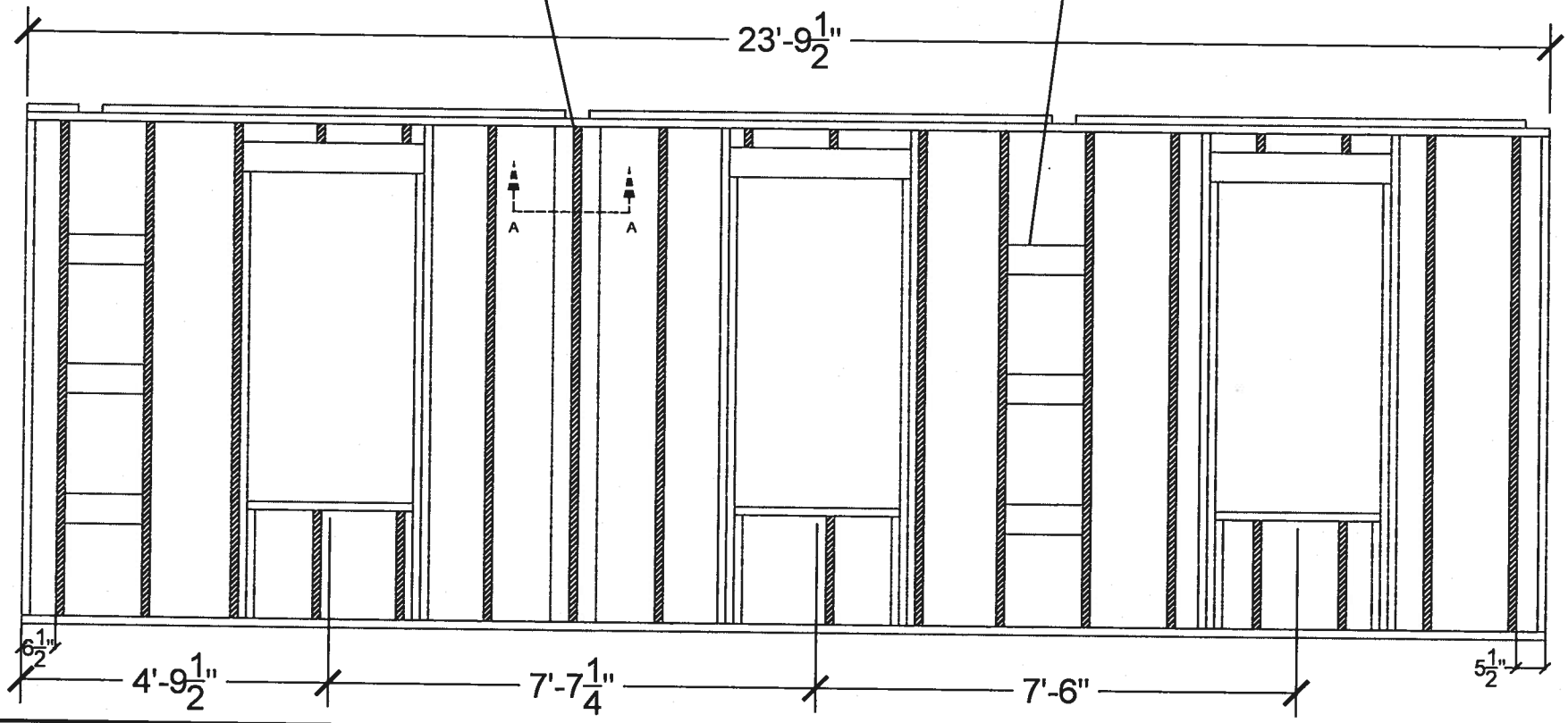
DETAIL A-A
Scale: 6" = 1"



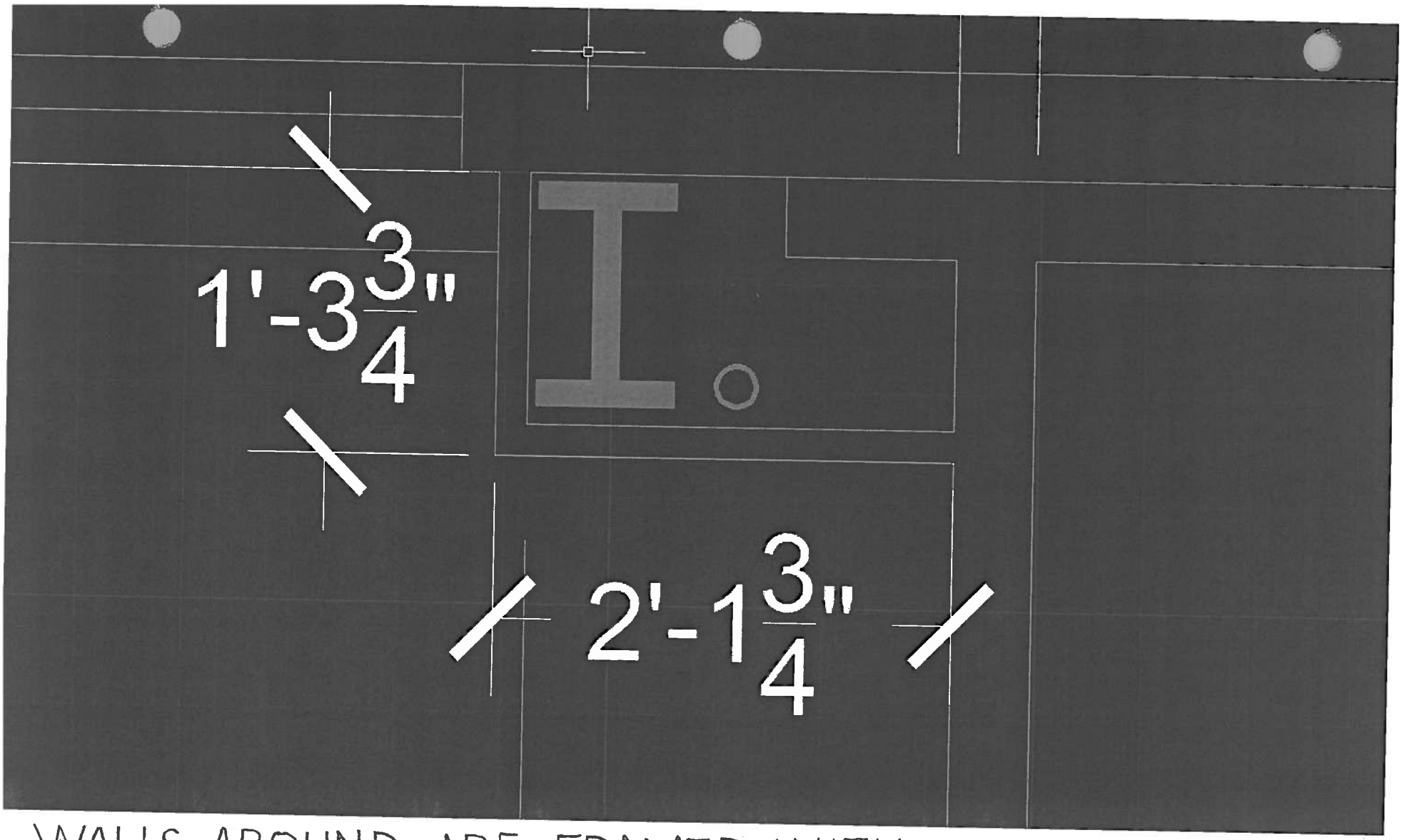
Interior wall meets at a common stud. Instead of a ladder to connect the interior wall to the exterior build a T with a 2x4 on each side to allow nailing the interior wall to the exterior and allow a place to nail the drywall to.

Interior walls will connect to the exterior wall with a ladder junction. Nail 1x6 between studs at 2' intervals starting at the floor.

SHADED STUDS ARE 16" O.C.



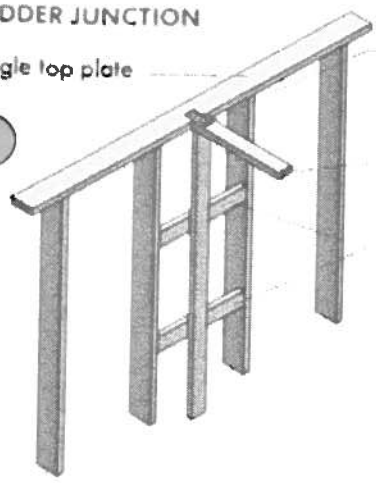
CRUNCH BUSINESS CENTER	SOUTH WALL-WEST END	SCALE: 3/8" = 1'-0"



WALLS AROUND ARE FRAMED WITH 2×2's.

INTERIOR WALL INTERSECTION OPTIONS

LADDER JUNCTION

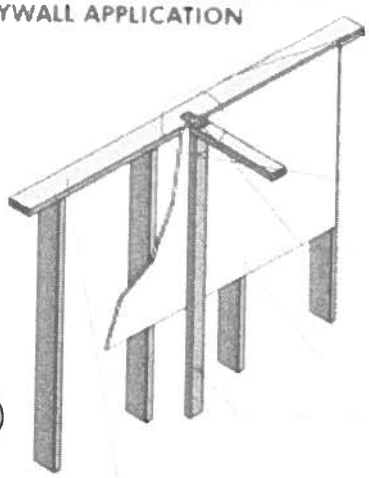


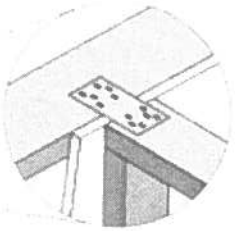
3" x 6" x 0.036" galvanized steel plate (see: PRESCRIPTIVE AND ALTERNATE CONNECTION DETAILS, Figure 6)

Interior wall plate tight to exterior wall plate

2x ladder blocking at 24" o.c. Install blocking with wide face vertical for maximum backing to wall finish materials and for maximum insulation to exterior walls.

JUNCTION FOR CONTINUOUS DRYWALL APPLICATION





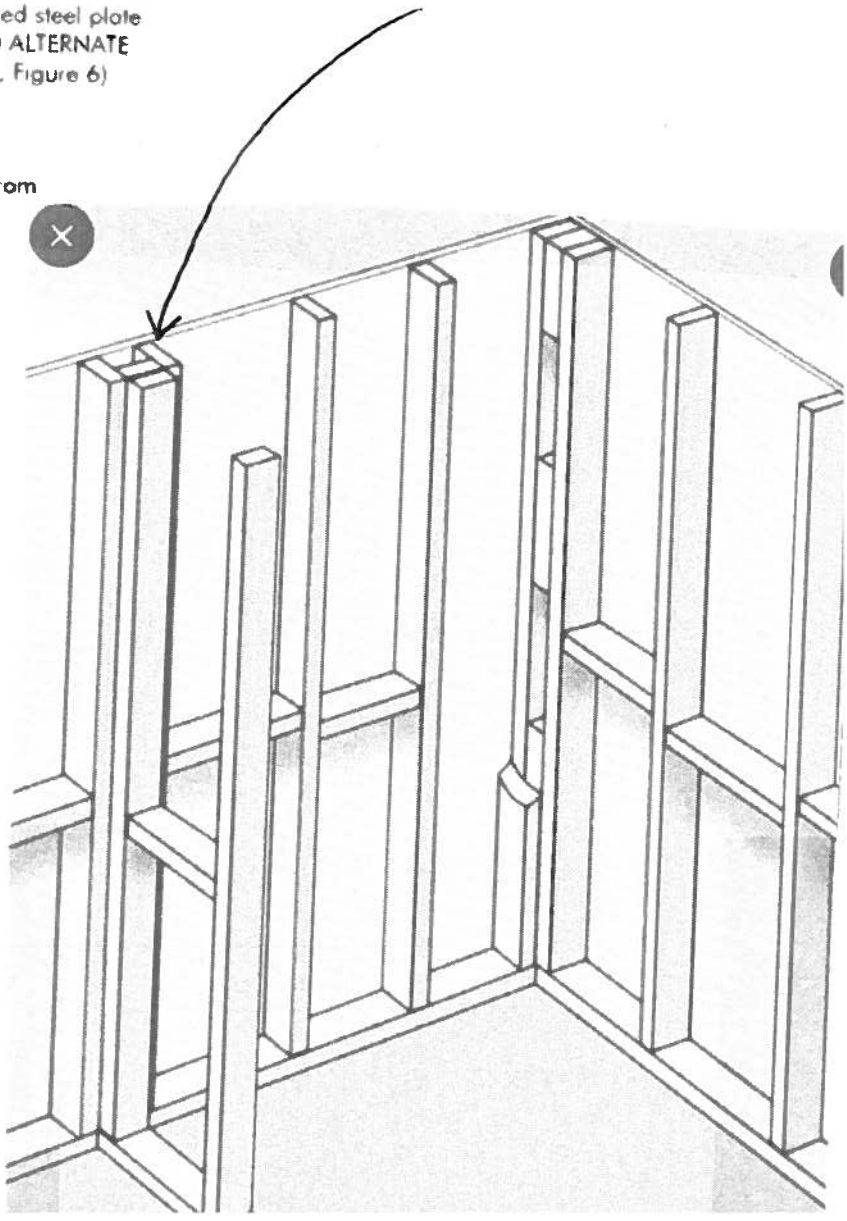
3" x 6" x 0.036" galvanized steel plate (see: PRESCRIPTIVE AND ALTERNATE CONNECTION DETAILS, Figure 6)

Drywall

Interior stud set in 1/2" from exterior wall studs

Single top plate

Detail courtesy of NAHB Research Center.



The Crunch

Production Center

Drawing 1: 3D Skeleton Frame

Drawing 2: 3D Perspective of Skeleton Frame, Front

Drawing 3: East Wall Assembly

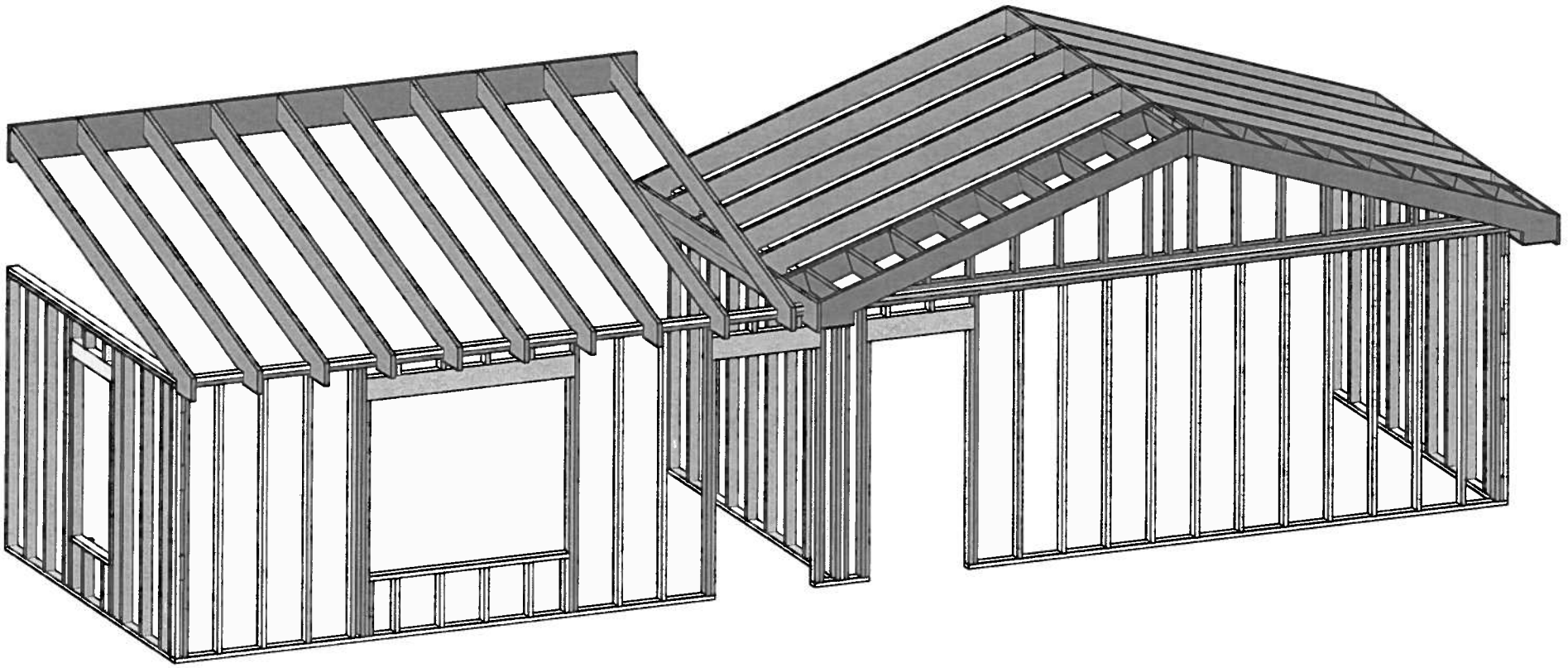
Drawing 4: East Wall Detail Drawing

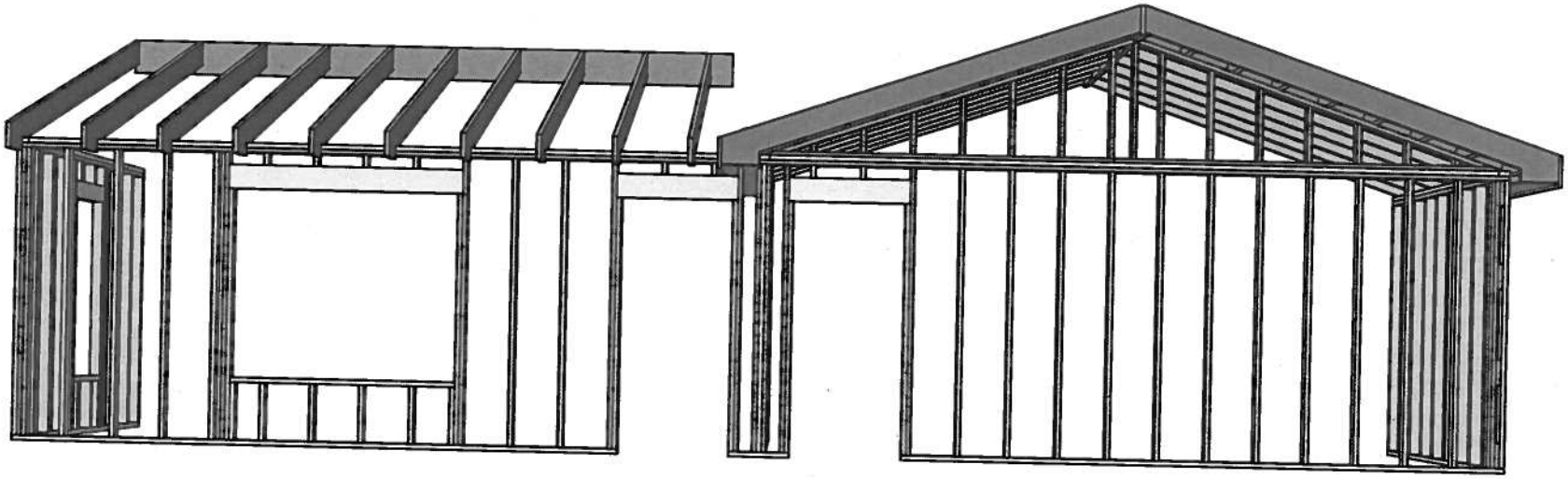
Drawing 5: Middle and North Wall Detail

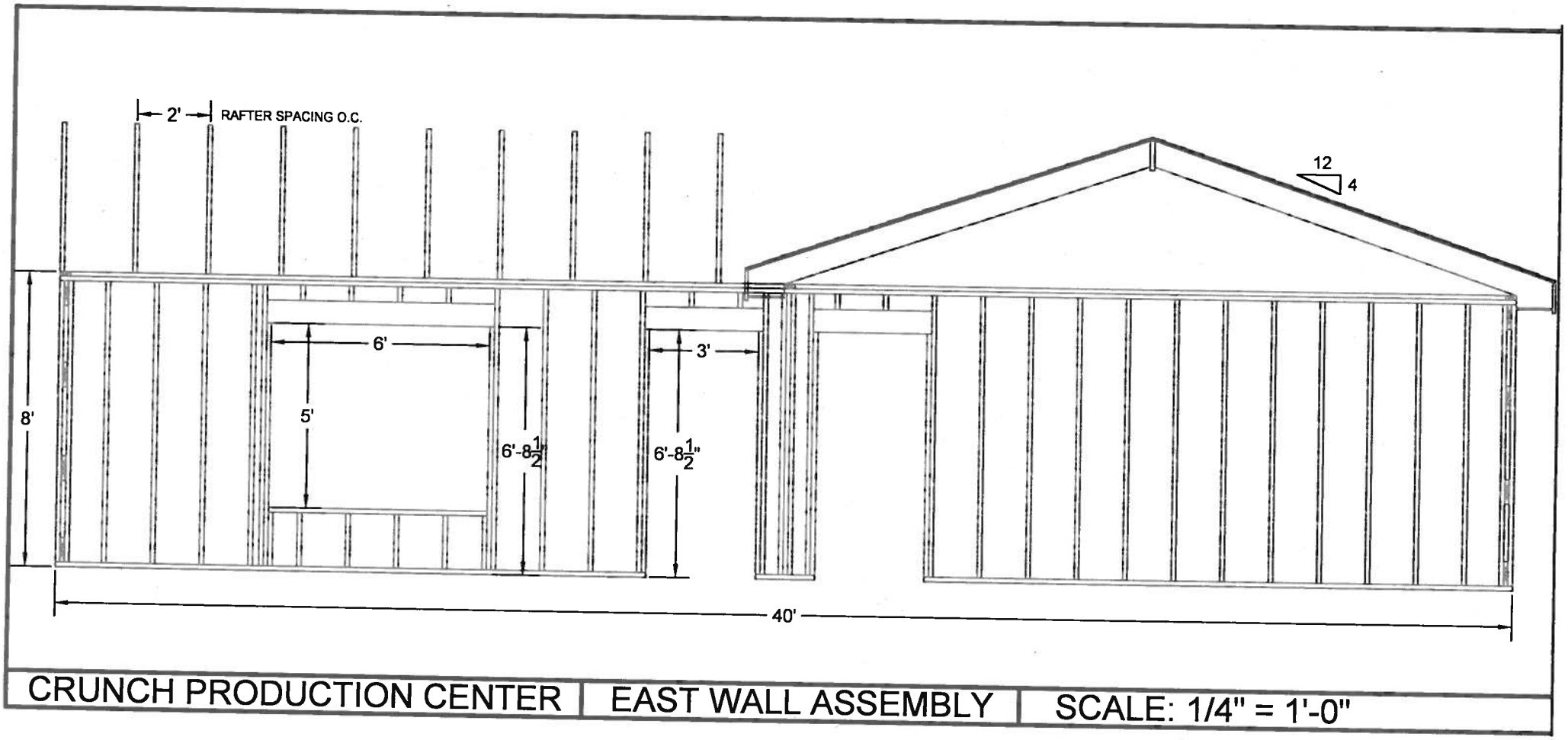
Drawing 6: South Framed Wall Detail Drawing

Drawing 7: Gable Rafter Detail

Drawing 8: Rafter to Wall Detail

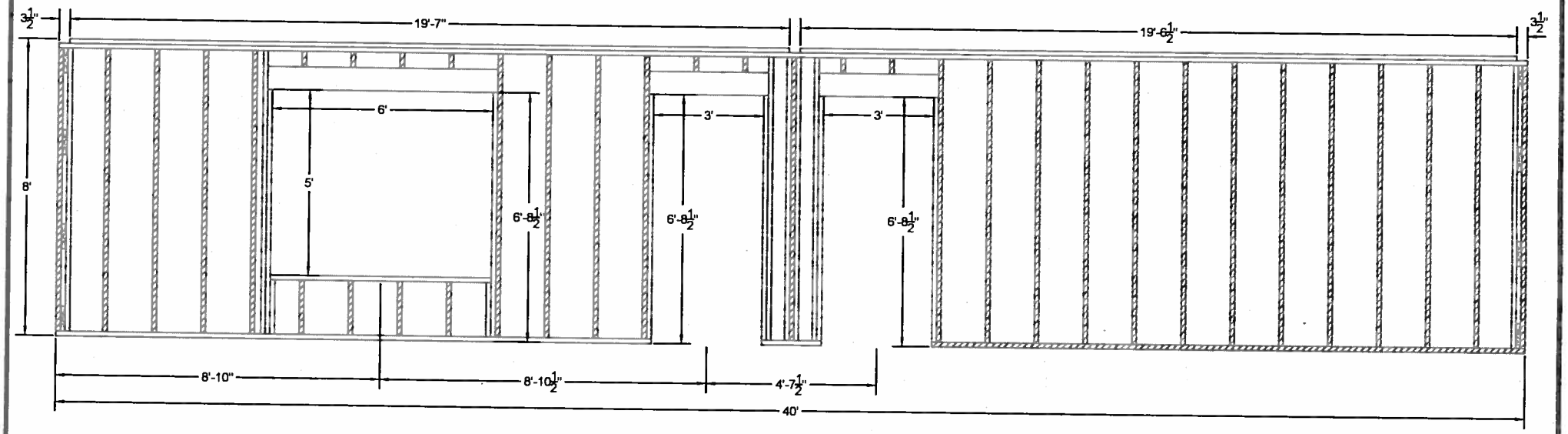






CRUNCH PRODUCTION CENTER | EAST WALL ASSEMBLY | SCALE: 1/4" = 1'-0"

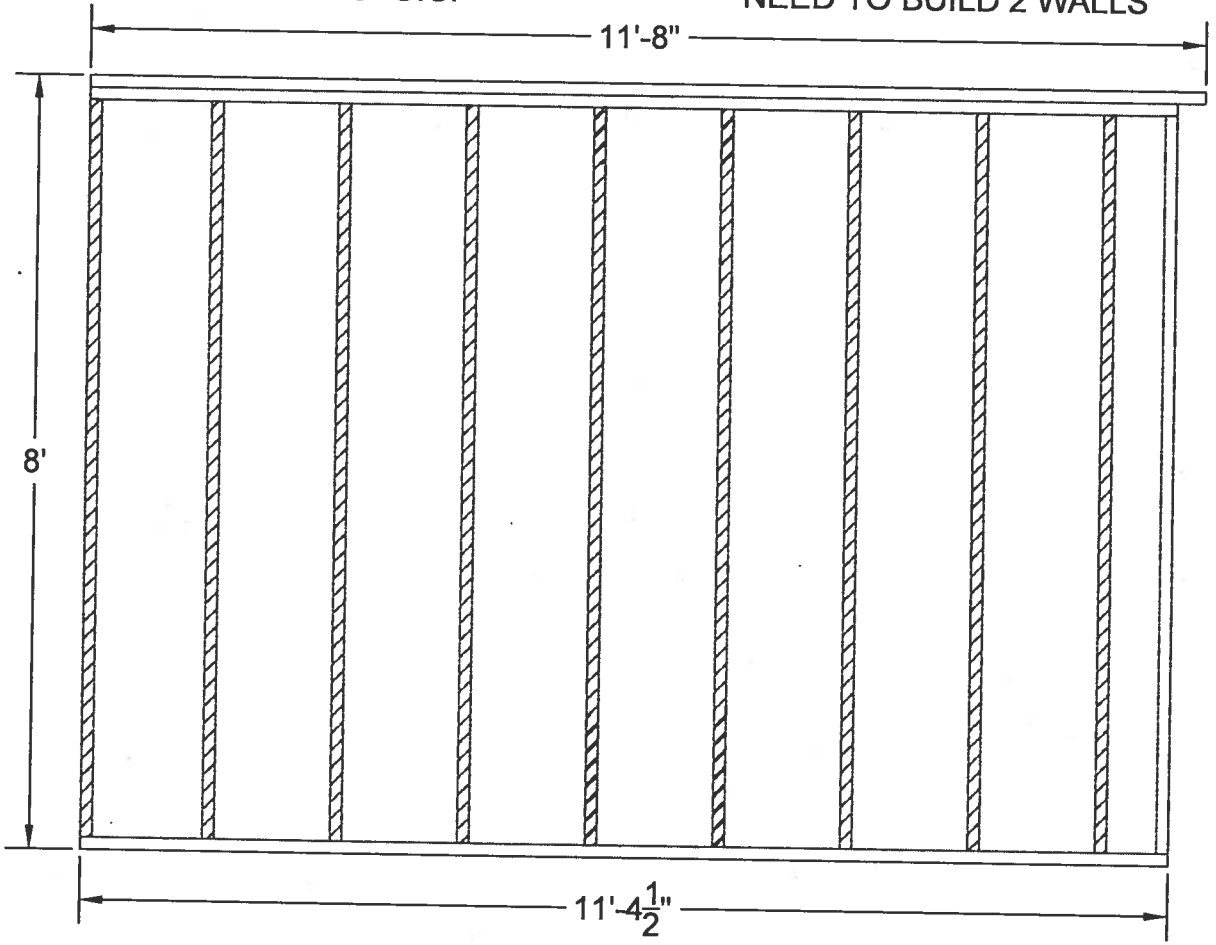
SHADED STUDS ARE 16" O.C.



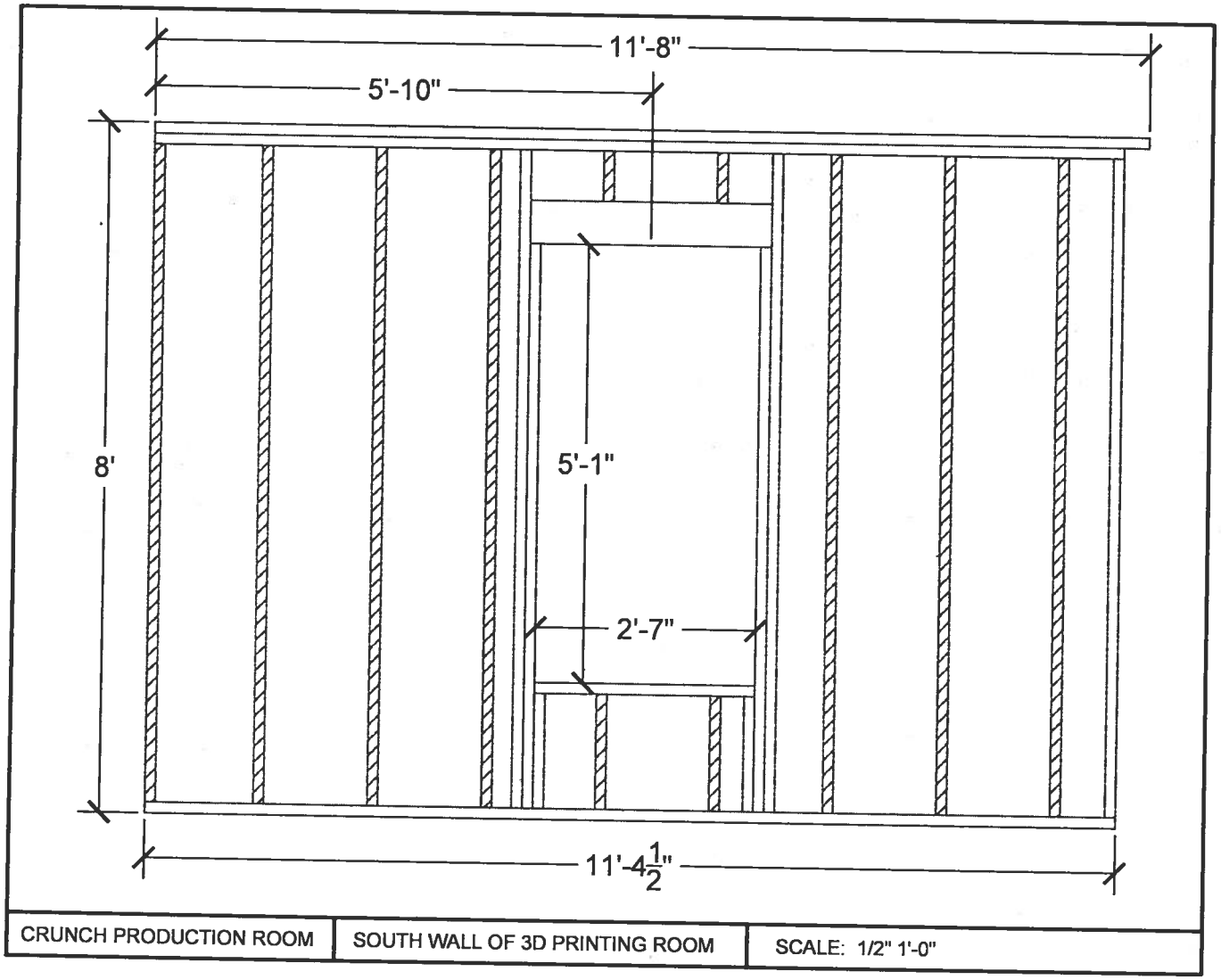
CRUNCH PRODUCTION CENTER	EAST WALL DETAIL	SCALE: 1/4" = 1'-0"

SHADED WALLS ARE 16" O.C.

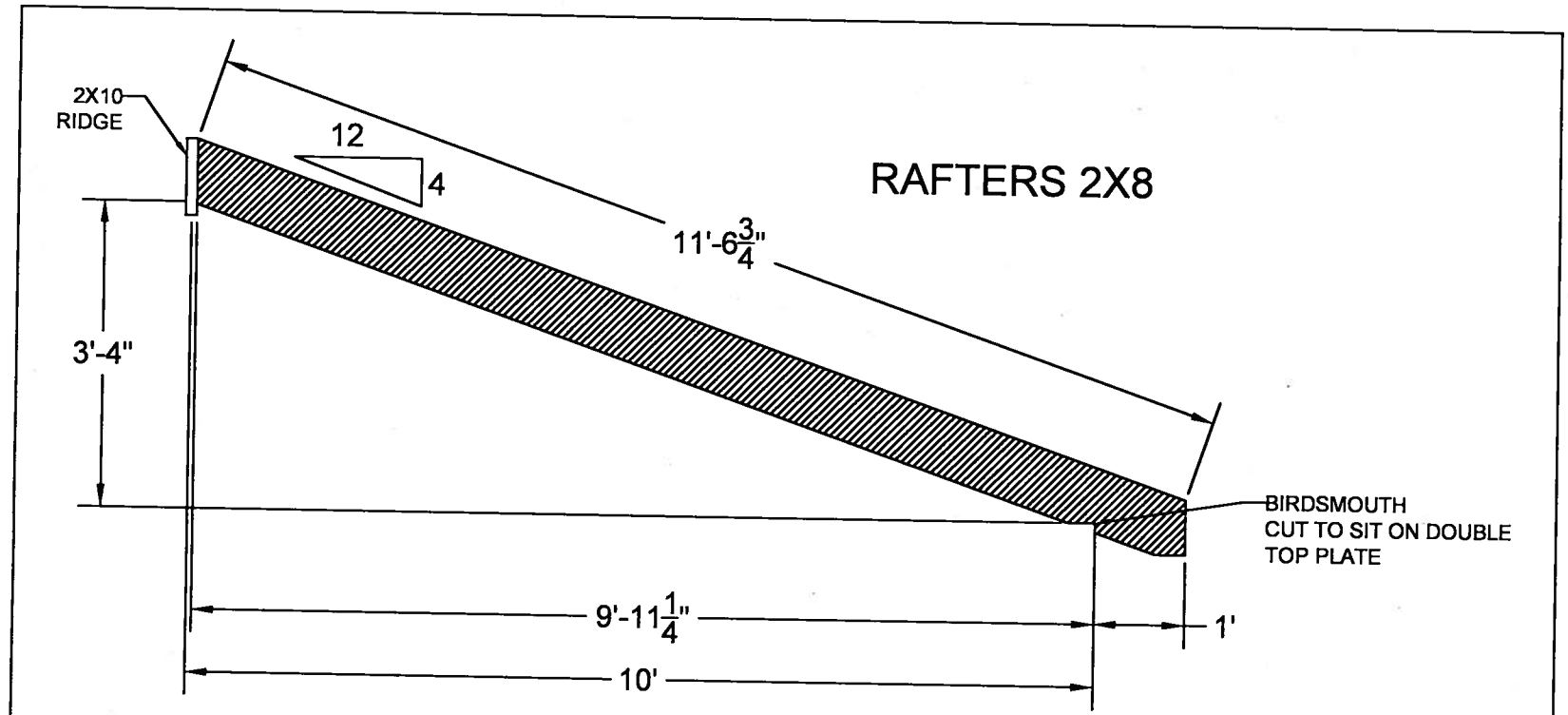
NEED TO BUILD 2 WALLS



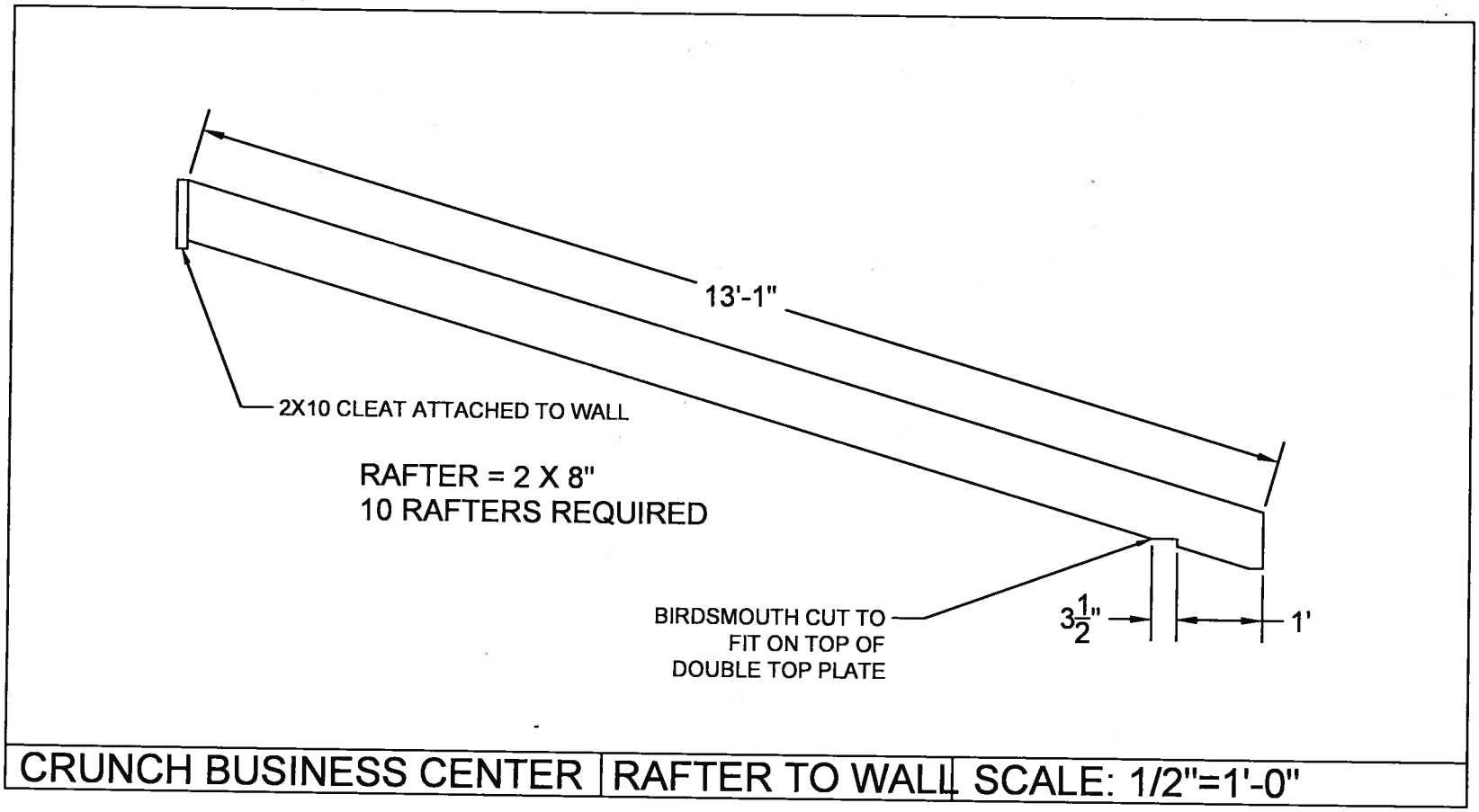
CRUNCH PRODUCTION ROOM	MIDDLE AND NORTH WALL	SCALE: 1/2" 1'-0"



CRUNCH PRODUCTION ROOM	SOUTH WALL OF 3D PRINTING ROOM	SCALE: 1/2" 1'-0"



CRUNCH BUSINESS CENTER	GABLE RAFTER	SCALE: 1/2"=1'-0"



CRUNCH BUSINESS CENTER | RAFTER TO WALL | SCALE: 1/2"=1'-0"

The Crunch

Window Frame

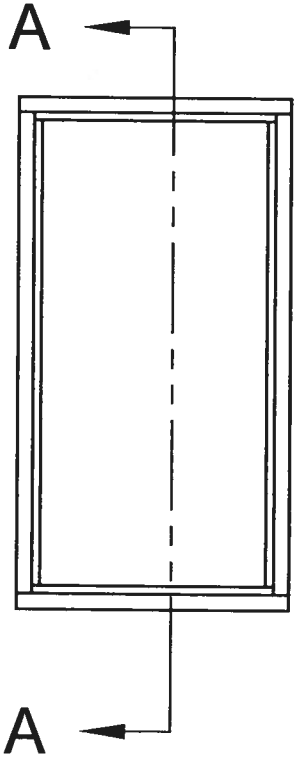
Drawing 1: Assembly and Detail Drawings

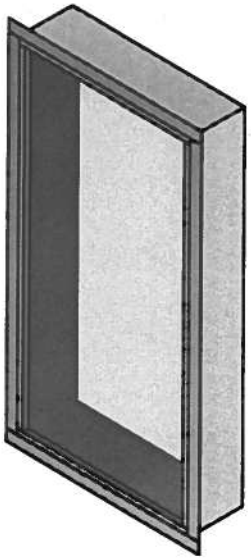
Drawing 2: 20 Gauge Box Frame

Drawing 3: Bottom and Top Rail Detail Drawing

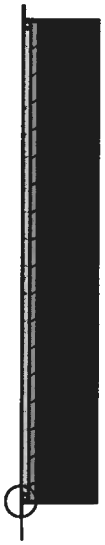
Drawing 4: Side Rail Detail Drawing

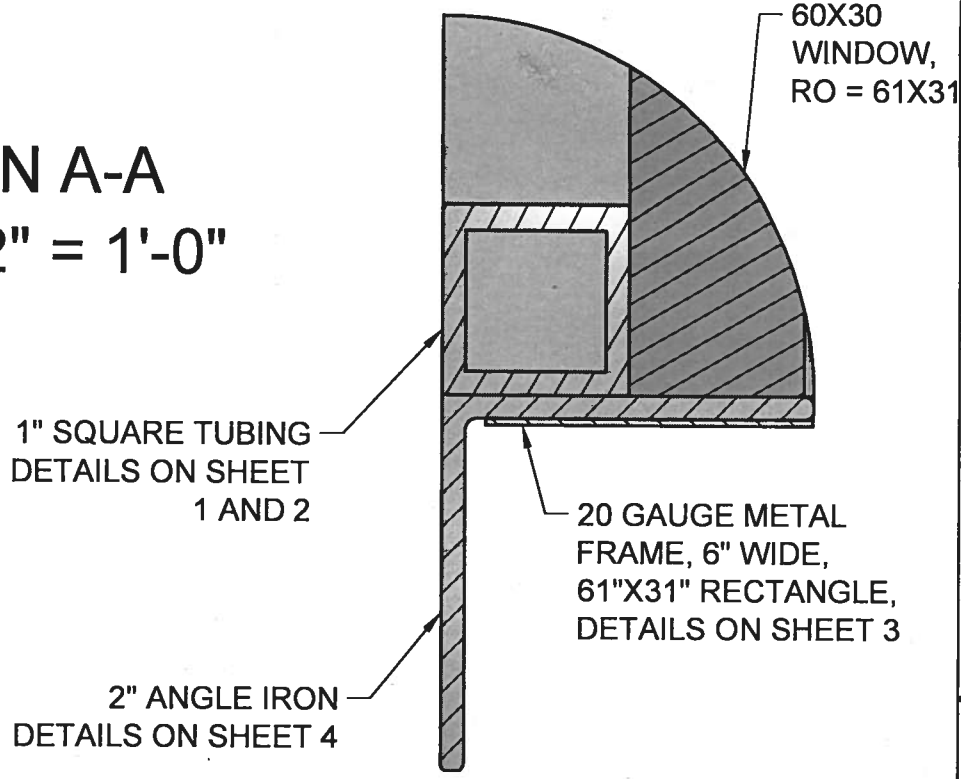
Drawing 5: Angle Iron Frame





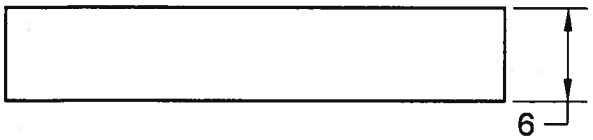
SECTION A-A
SCALE 1/2" = 1'-0"

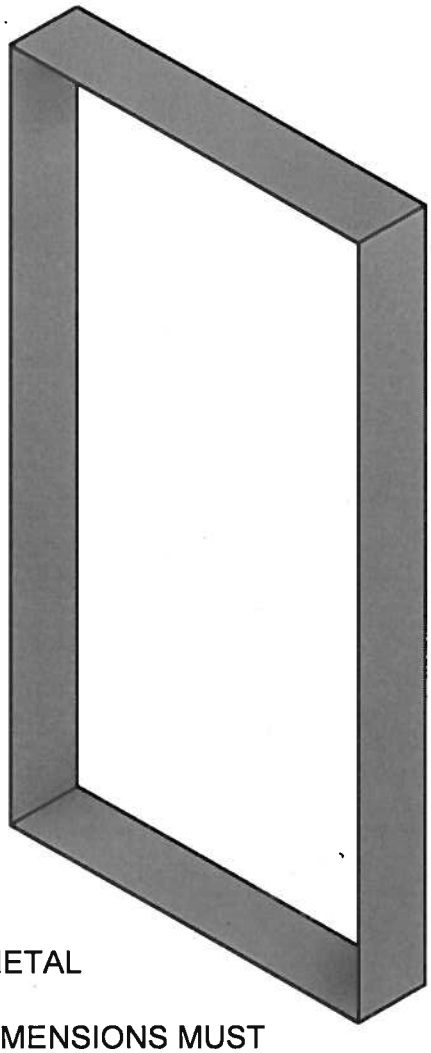


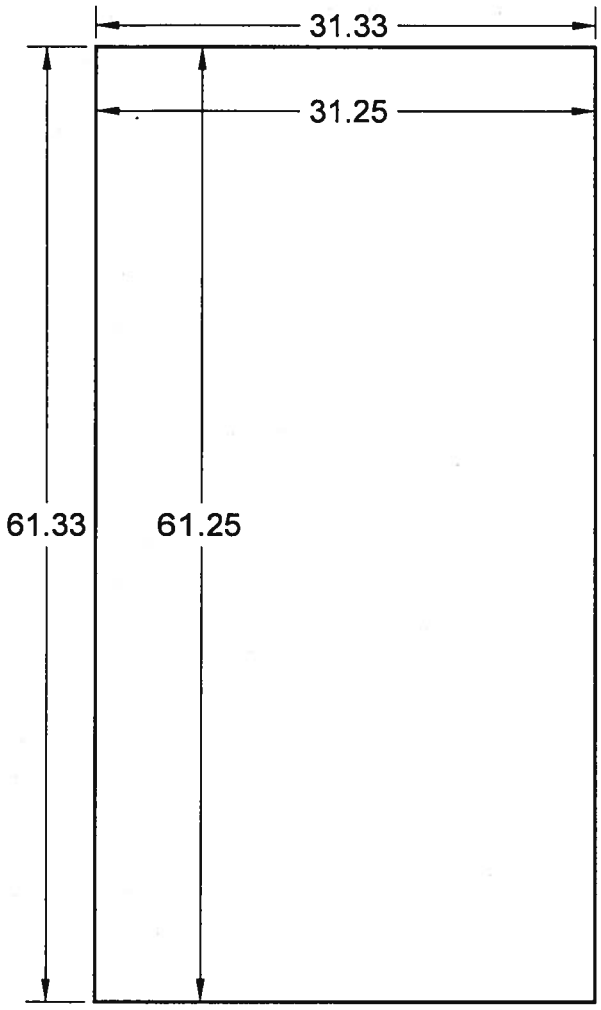


DETAIL B
SCALE 1'-0" = 1'-0"

PROJECT: CRUNCH EXTERIOR WINDOW				
TITLE: Peaslee Window Frame ASSEMBLY AND DETAIL DWGS				
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN Charlie Lauts 6/16/2021	SCALE 1/2" = 1'-0"	WEIGHT	SHEET 5	







MATERIAL:
20 GAUGE METAL

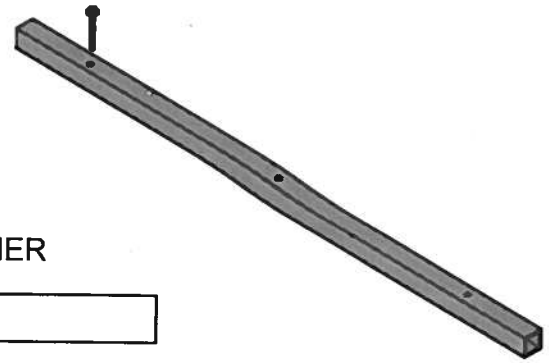
INTERIOR DIMENSIONS MUST EQUAL 61.25" X 31.25". METAL THICKNESS MUST BE OUTSIDE THE REQUIRED SIZE.

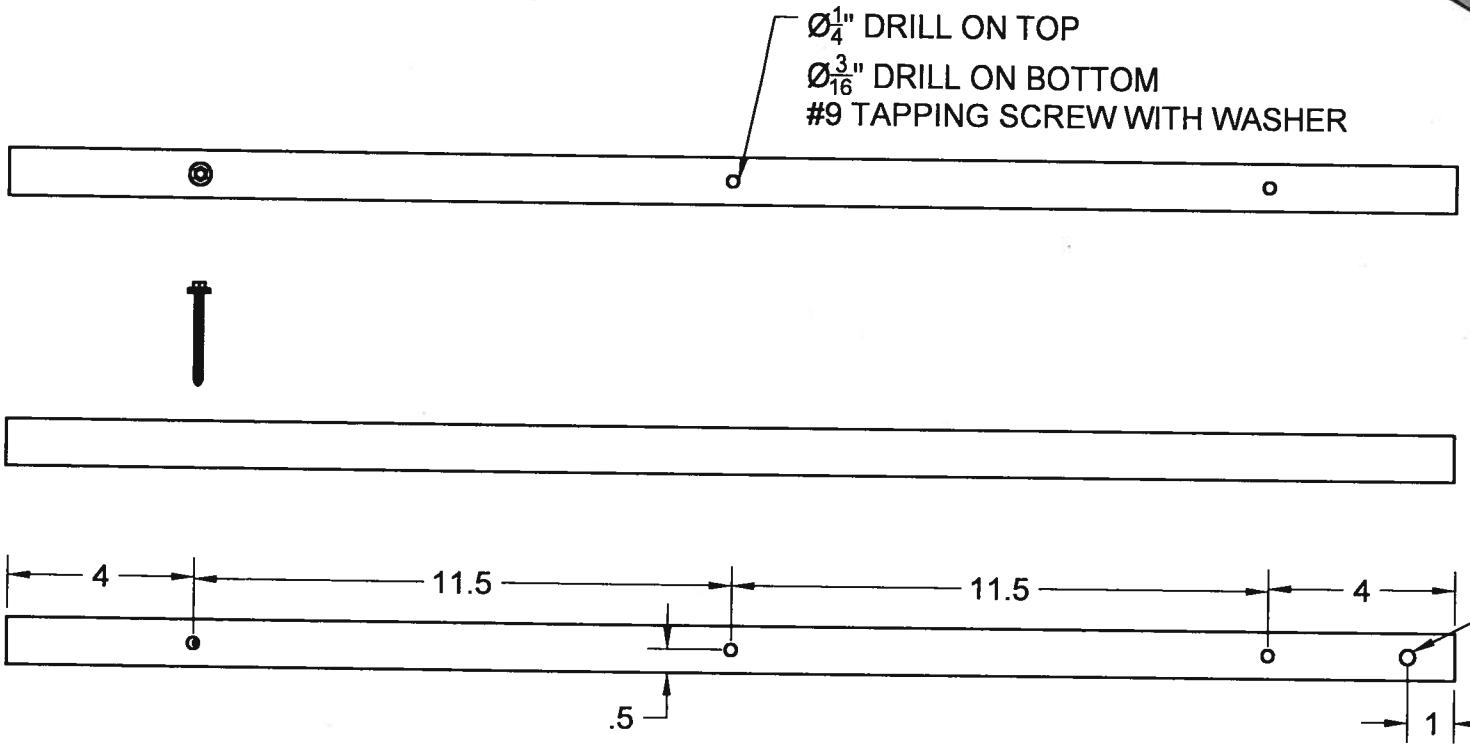
FRAME IS ONE PIECE FOLDED AT 90° AT EACH CORNER AND WELDED TO CLOSE THE FRAME.

PROJECT
CRUNCH EXTERIOR WINDOW

TITLE
WINDOW METAL FRAME

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN Charlie Lauts 6/16/2021	SCALE 1" = 1'-0"	WEIGHT	SHEET 1/1	



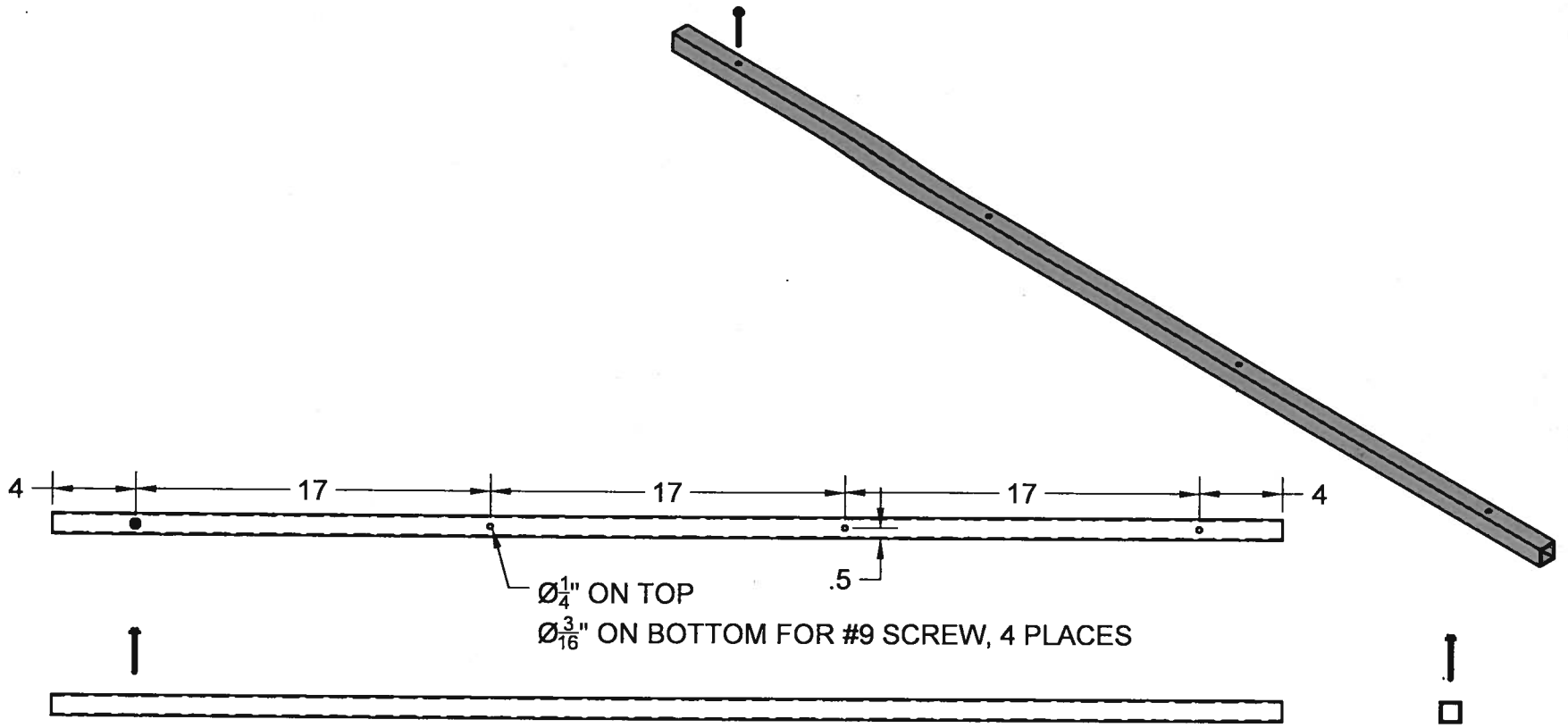


MATERIAL:
1"X1" SQUARE TUBING
CUT 2 = 31"

PROJECT
CRUNCH EXTERIOR WINDOW

TITLE
BOTTOM AND TOP 1X1X31" OUTSIDE WINDOW FRAME

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN Charlie Lauts 6/2/2021	SCALE 1/4" = 1"	WEIGHT	SHEET 1/1	

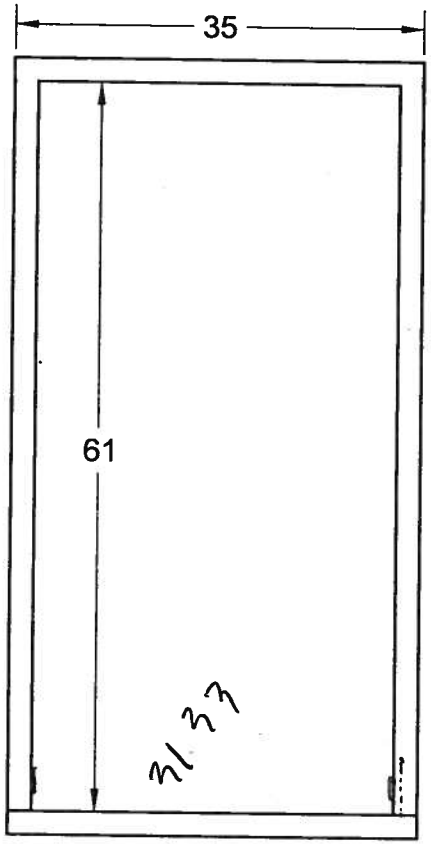


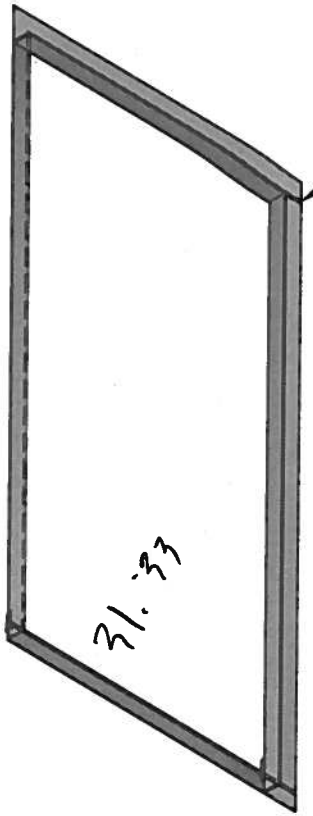
MATERIAL:
1"X1" SQUARE TUBING
CUT 2 = 59"

PROJECT
CRUNCH EXTERIOR WINDOW

TITLE
SIDE 1X1X59 OUTSIDE WINDOW FRAME

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN Charlie Lauts 6/2/2021	SCALE .125"=1"	WEIGHT	SHEET 2	





REMOVE FLANGE FROM ALL 4 CORNERS SO FRAME WILL SIT FLAT TO THE EXTERIOR WALL.

MATERIAL:
2X2X35 ANGLE IRON, 2 REQUIRED

2X2X61 ANGLE IRON, 2 REQUIRED

61" PIECES ARE BETWEEN THE TWO 35" PIECES AND WELDED THEN GRIND TO SMOOTH.

PROJECT
CRUNCH EXTERIOR WINDOW

TITLE
ANGLE IRON FRAME

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	A			
DRAWN Charlie Lauts 6/3/2021	SCALE .0625=1	WEIGHT	SHEET 4	