TEMPORARY CLASSROOM SHELTER

DETROIT WALDORF SCHOOL 09/04/2020



PROJECT INFORMATION

2555 BURNS PROJECT LOCATION: DETROIT, MI 48214

DETROIT WALDORF SCHOOL OWNER:

2555 BURNS

DETROIT, MI 48214

KRAEMER DESIGN GROUP, LLC ARCHITECT OF RECORD:

BRIAN REBAIN, RA, NCARB

STATE OF MICHIGAN CERTIFICATE NO. 1301040246

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(313) 965-3399

RESURGET STRUCTURAL ENGINEER:

> MARC STEINHOBEL 4219 WOODWARD AVE

SUITE 306

DETROIT, MI 48201

CODE SUMMARY

PROJECT DESCRIPTION: EMERGENCY ERECTION OF TEMPORARY OUTDOOR WOOD CLASSROOM SHELTERS TO SERVE THE SCHOOL DURING THE COVID PANDEMIC. THERE ARE 14 PROPOSED SHELTERS. TEN MEASURE 20'X20', AND FOUR MEASURE 12'X12'. THE SHELTERS ARE SPACED THROUGHOUT THE SCHOOL GROUNDS TO ALLOW FOR EFFECTIVE PHYSICAL DISTANCING BETWEEN THE CLASSROOMS, WHILE ALSO PROVIDING GOOD LOCATIONS FOR OVERSIGHT OF THE STUDENTS AS WELL AS MAINTAIN EXISTING PLAYFIELD LOCATIONS. TWLEVE SHELTERS ARE LOCATED ON LOTS IN THE INDIAN VILLAGE HISTORIC DISTRICT CURRENTLY ZONED R1 AND APPROVED FOR EDUCATIONAL USE. TWO SHELTERS ARE LOCATED ON LOTS ADJACENT TO THE IV-HD ON FISCHER ST, CURRENTLY ZONED R2.

R1-H; R2 - SEE ATTACHED SITE PLAN

ZONING ORDINANCE SUMMARY: SHELTERS ARE BEING PROPOSED AS TEMPORARY ACCESSORY STRUCTURES TO THE PRIMARY SCHOOL FUNCTIONS AT THE MAIN BUILDING LOCATED AT 2555 BURNS, AT THE CORNER OF CHARLEVOIX AND BURNS ST. THE OWNER IS SEEKING TEMPORARY APPROVAL TO USE THESE STRUCTURES AS PART OF THEIR IN-SCHOOL LEARNING COVID PREPAREDNESS PLAN. APPROVAL IS BEING SOUGHT PURSUANT TO THE REQUIREMENTS OF THE FOLLOWING SECTIONS OF THE CITY OF DETROIT ZONING ORDINANCE:

Sec. 50-12-553. - Natural disasters and emergencies.

Temporary uses and structures needed as the result of a natural disaster or other health and safety emergencies are allowed for the duration of the emergency.

FURTHERMORE:

Sec. 50-12-559. - Other uses.

The Buildings, Safety Engineering, and Environmental Department may approve other temporary uses and activities or special events where it is determined that such uses would not jeopardize the health, safety or general welfare, or be injurious or detrimental to properties adjacent to, or in the vicinity of, the proposed location of

OCCUPANCY CLASSIFICATION: EDUCATIONAL (ACCESSORY USE)

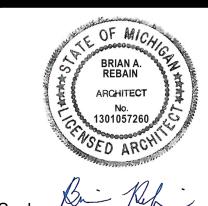
CONSTRUCTION TYPE: OUTDOOR WOOD SHADE STRUCTURE

APPLICABLE CODES: BUILDING: MICHIGAN BUILDING CODE (MBC) 2015

Consultant

TEMPORARY OUTDOOR CLASSROOM SHELTER

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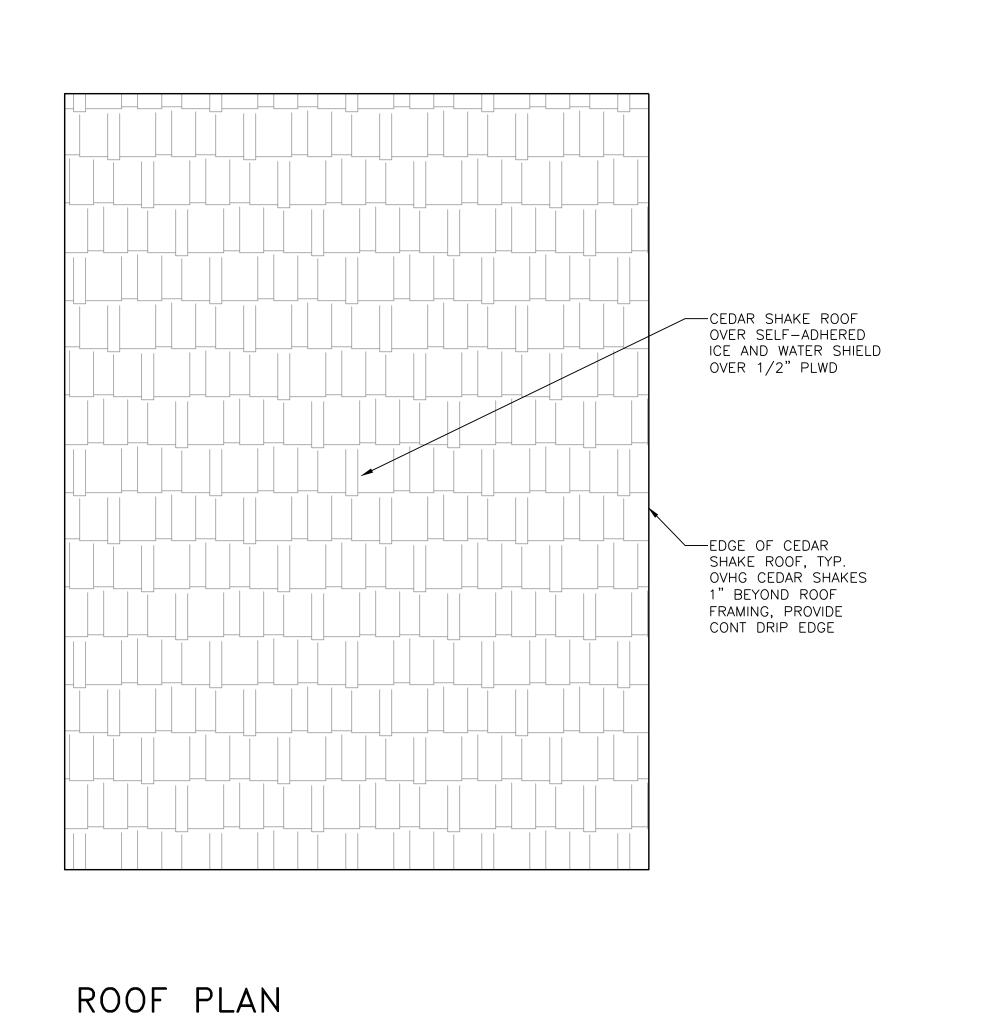
09/04/20

Date Revision

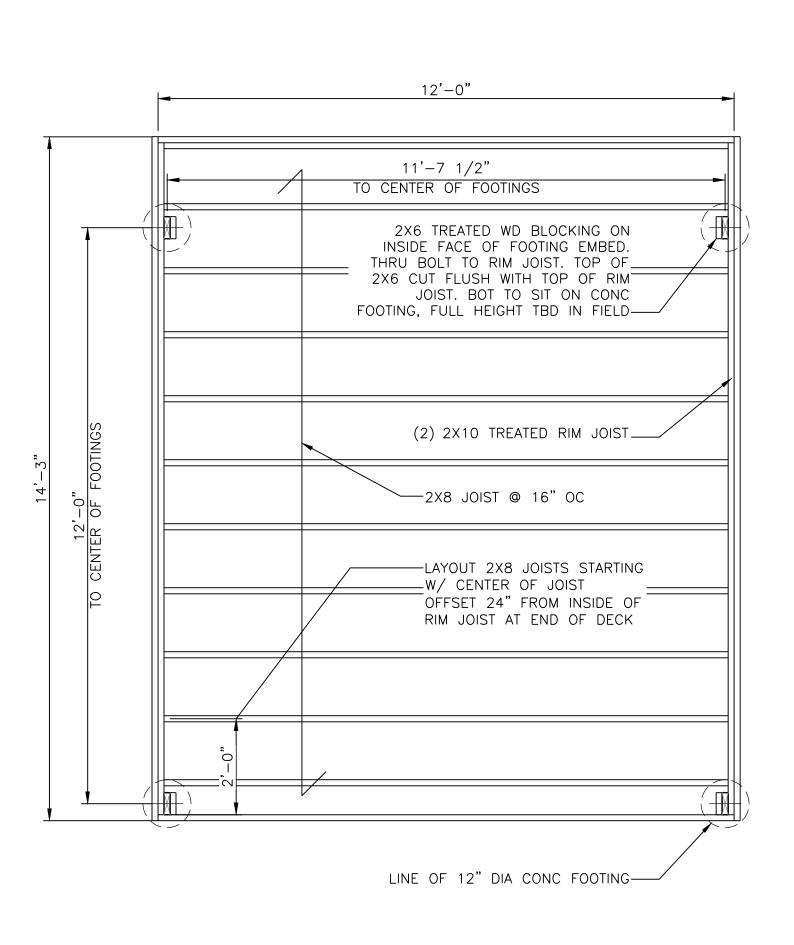
Sheet Title COVER

Sheet Number





-2X10 CEDAR RIM JOIST —THRU BOLT INNER AND OUTER RIM JOIST @ 2X6 CEDAR COL EXTENSION, TYP -2X10 INNER RIM — 2X10 CEDAR OUTER RIM JOIST —THRU BOLT INNER AND OUTER RIM JOIST @ 2X4 CEDAR DIAG BRACE, TYP ─_2X8 JOIST @ 16" OC -2X4 LEDGER BD UNDER ROOF JOISTS ATTACHED TO INSIDE OF INNER RIM JOIST W/ SS SCREWS, TYP BOTH SIDES OF ROOF FRAME —TAPERED 2X6 ON
LEDGER BD ATTACHED
TO SIDE OF JOIST
W/ SS SCREWS ROOF FRAMING PLAN

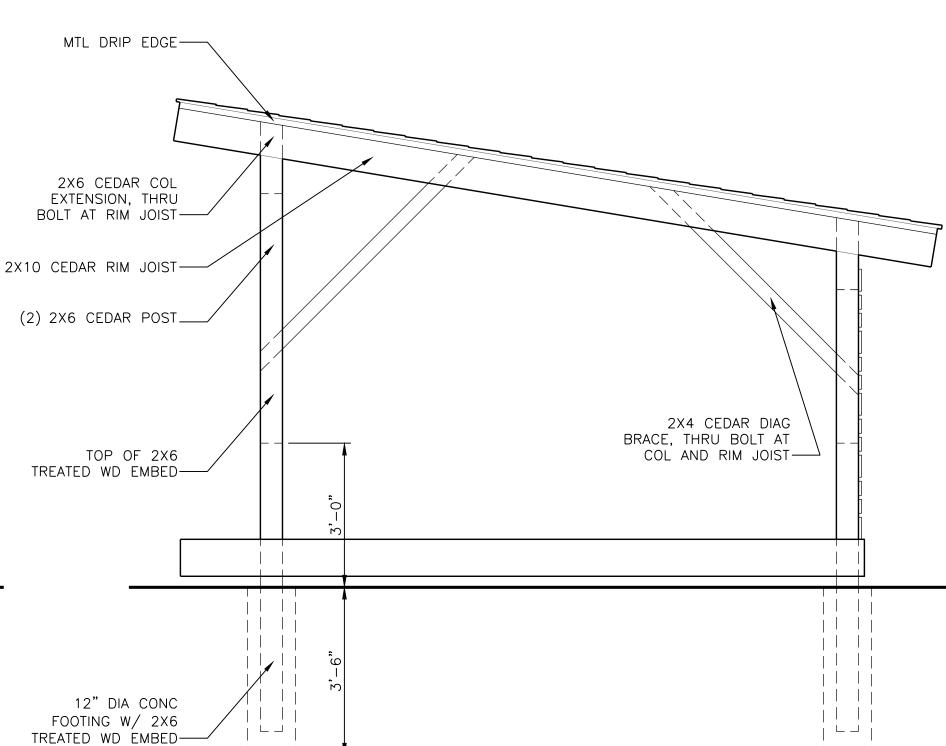


FLOOR FRAMING PLAN SCALE: 1/2"=1'-0"

—2X8 WD JOIST © 16" OC ON LEDGER BD ∠2X4 CONT LEDGER BD —1X CEDAR CLADDING -HOLD 2X4 LEDGER DOWN FROM TOP OF RIM JOIST DEPTH OF 5/4 DECKING

CEDAR SHAKE ROOF-2X10 CEDAR RIM JOIST-CEDAR CLADDING, TYP PATTERN 1X6-1X4-1X4 W/ 1" SPACE BETWEEN_ 1X4 CEDAR CROSS BRACING, FASTEN AT EACH CLADDING BD-1X6 CEDAR CLADDING AT BOT— 5/4X6 CEDAR GUSSET
PLATE, FASTEN THROUGH
1X CEDAR CLADDING BD
AND DIAG BRACE—

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



SHELTER SECTION

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

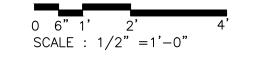
SCALE: 1/2"=1'-0"

REAR ELEVATION

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

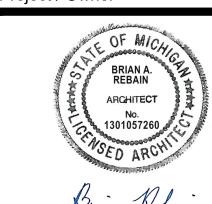
SIDE ELEVATION

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



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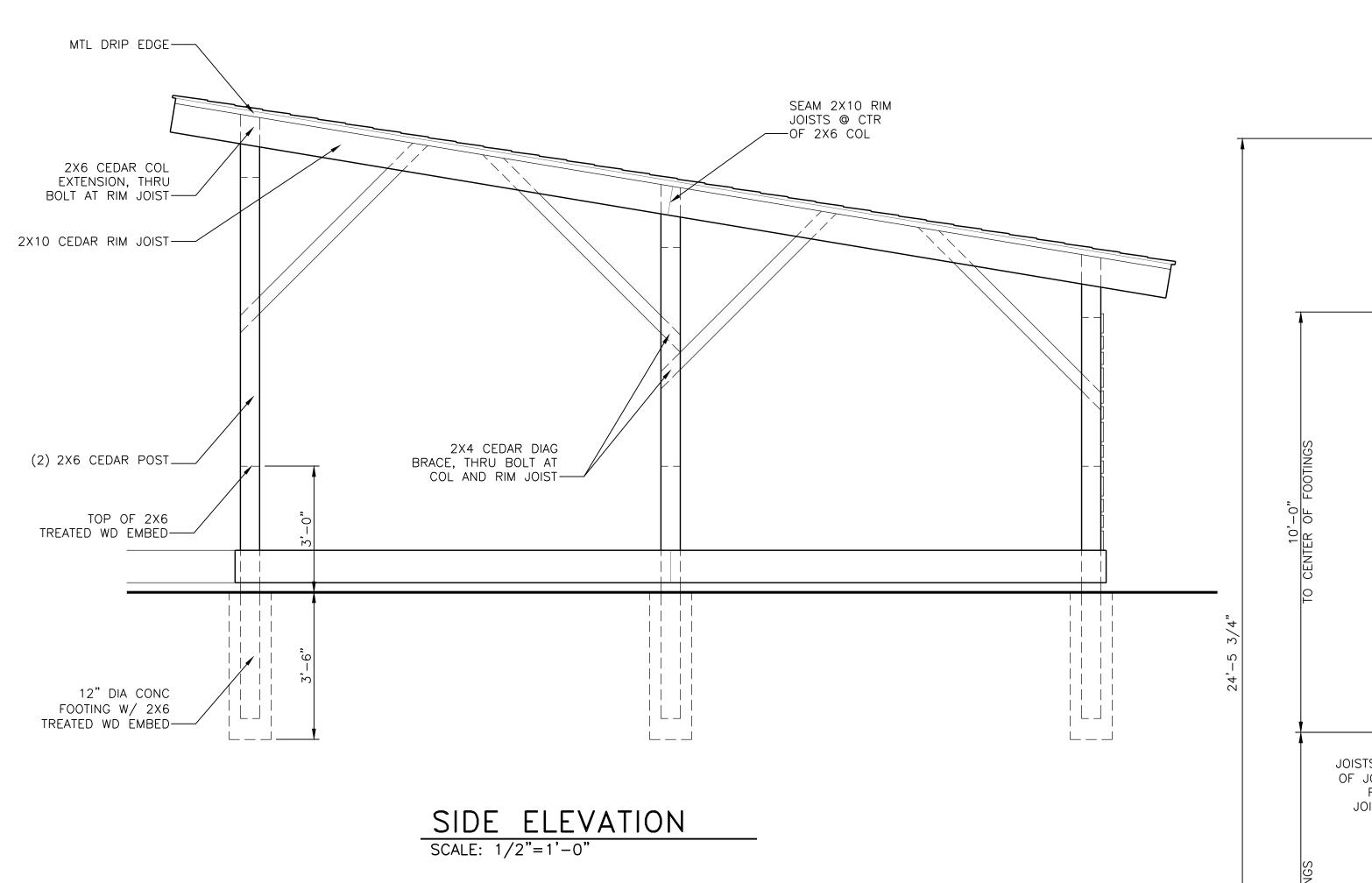
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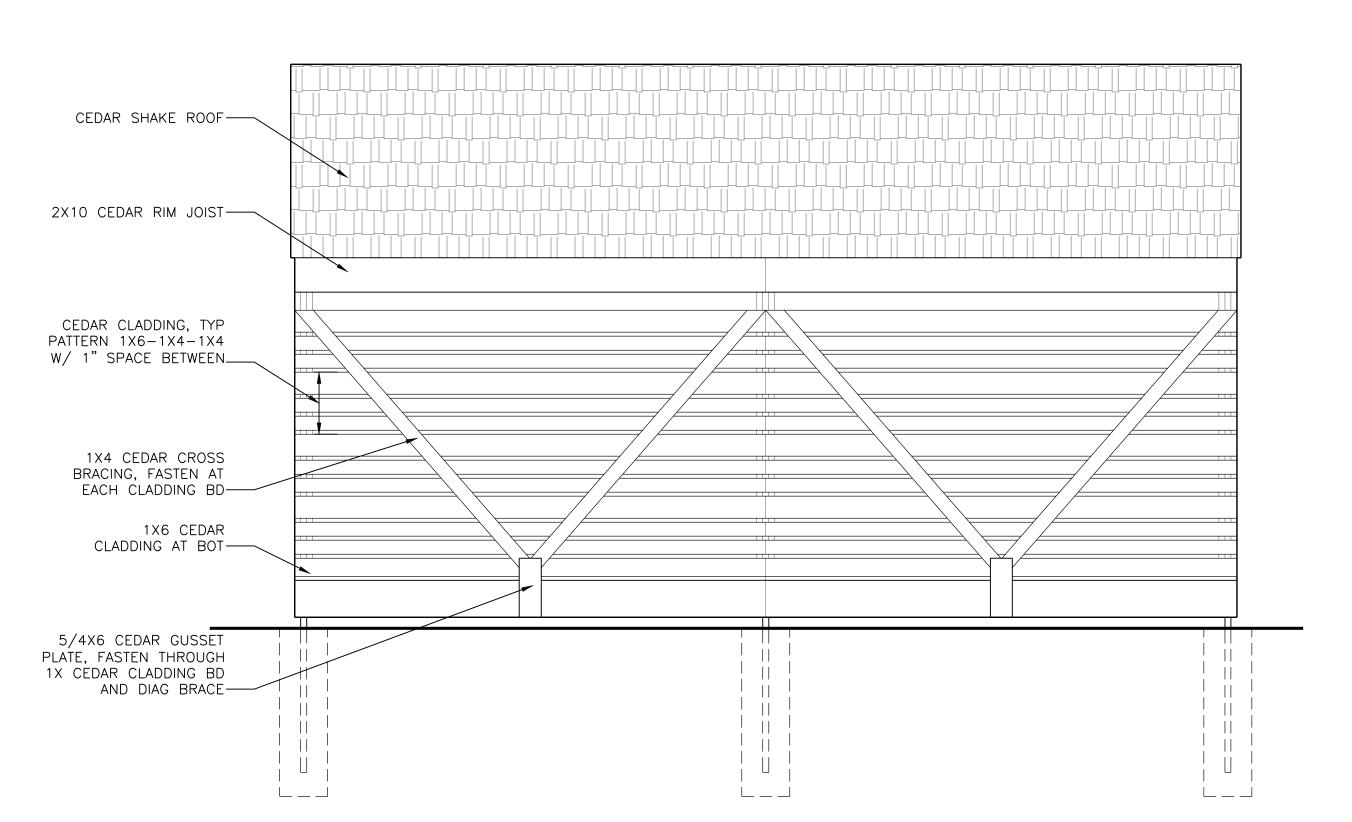
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Sheet Title 12X12 SHELTER PLANS, ELEVS AND SECTION

Sheet Number

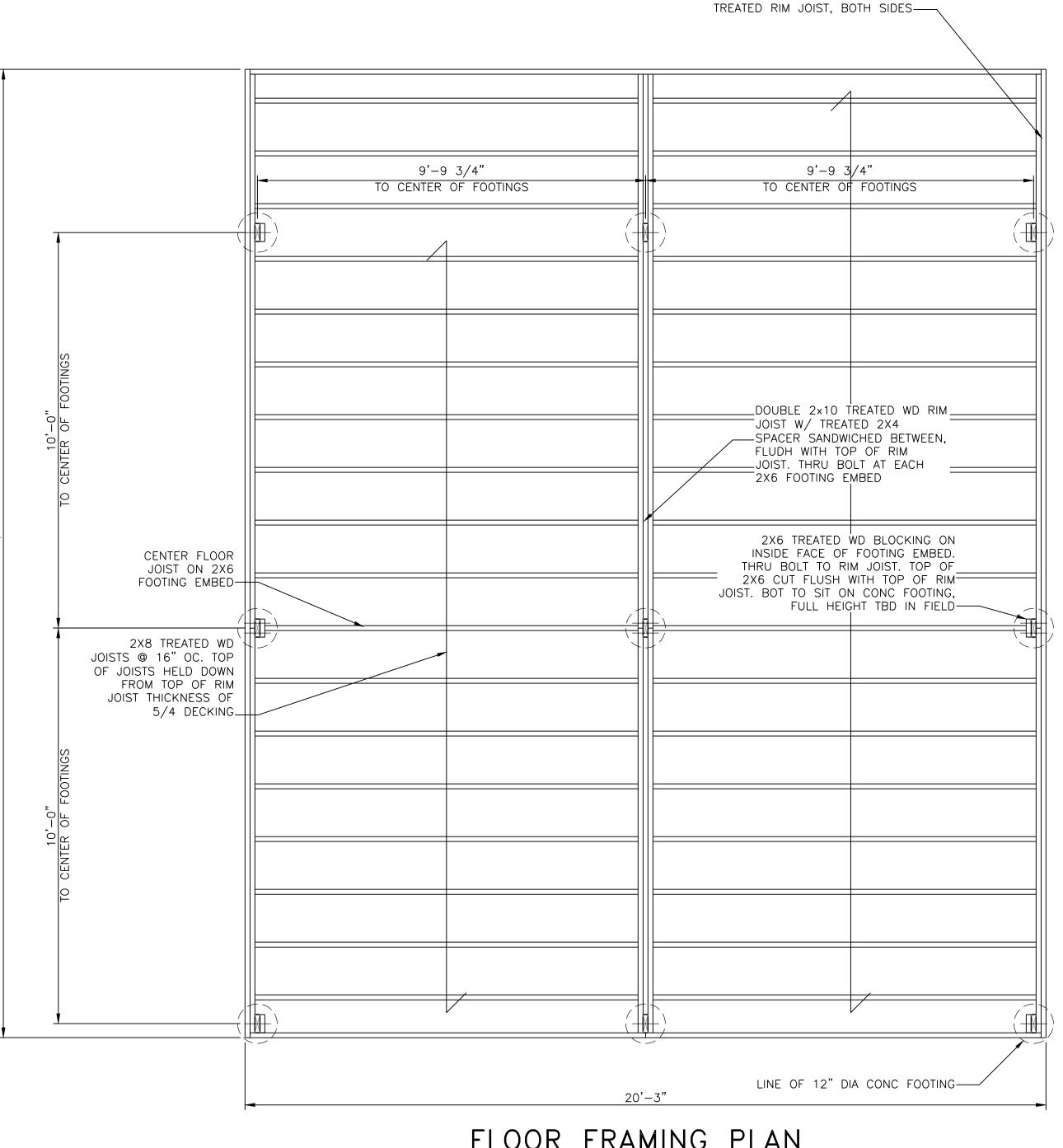
A1





REAR ELEVATION

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



FLOOR FRAMING PLAN

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

CANTILEVERED 14' DOUBLE 2X10

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Archited

Consultant

DETROIT WALDORF
2555 BURNS
DETROIT, MI

Project / Owner



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Revision Date

Date

Sheet Title
20X20 SHELTER
PLANS AND ELEVS

Sheet Number

A2

0 6" 1' 2' SCALE : 1/2" =1'-0"

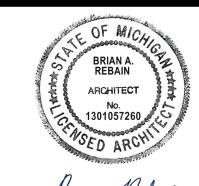
10'-0" 10'-0" ---2X10 CEDAR RIM JOIST 2X10 INNER RIM JOIST DOUBLE 1.75" X 9.5" LVL W/ 2X WD SPACERS, —2X10 CEDAR OUTER RIM JOIST THRU BOLTED @ 5'-0" OC-CEDAR SHAKE ROOF
OVER SELF-ADHERED
ICE AND WATER SHIELD
OVER 1/2" PLWD — THRU BOLT INNER AND OUTER RIM JOIST @ 2X6 CEDAR COL EXTENSION, TYP — THRU BOLT INNER AND OUTER RIM JOIST @ 2X4 CEDAR DIAG BRACE, TYP EDGE OF CEDAR
SHAKE ROOF, TYP.
OVHG CEDAR SHAKES
1" BEYOND ROOF FRAMING, PROVIDE CONT DRIP EDGE ___2X8 JOIST @ 16" OC —2X4 LEDGER BD
UNDER ROOF JOISTS
ATTACHED TO INSIDE
OF INNER RIM JOIST
W/ SS SCREWS, TYP
BOTH SIDES OF
ROOF FRAME —2X10 CEDAR RIM JOIST, CAP W/ MTL FLASHING ROOF PLAN

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

ROOF FRAMING PLAN
SCALE: 1/2"=1'-0"

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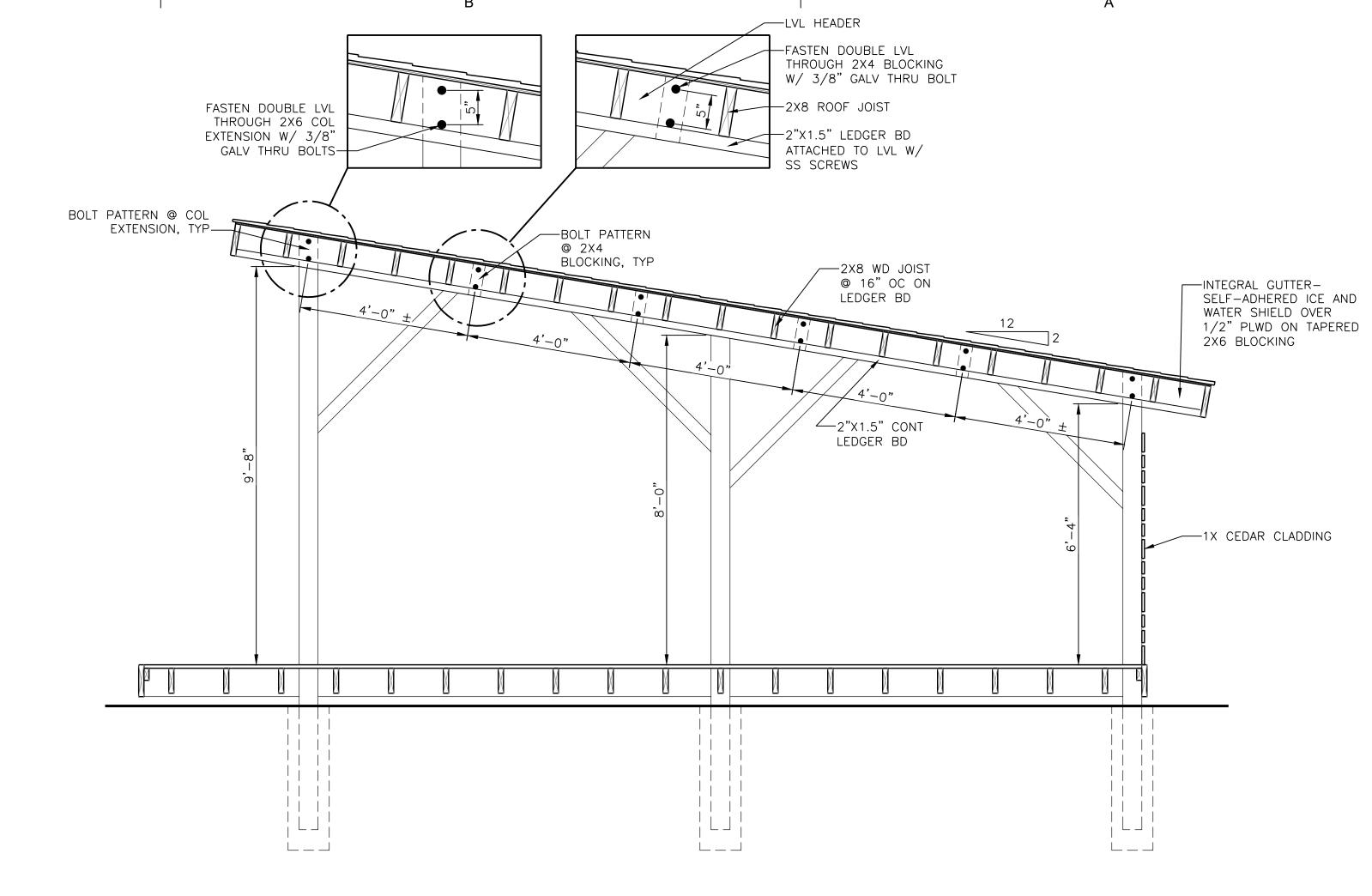
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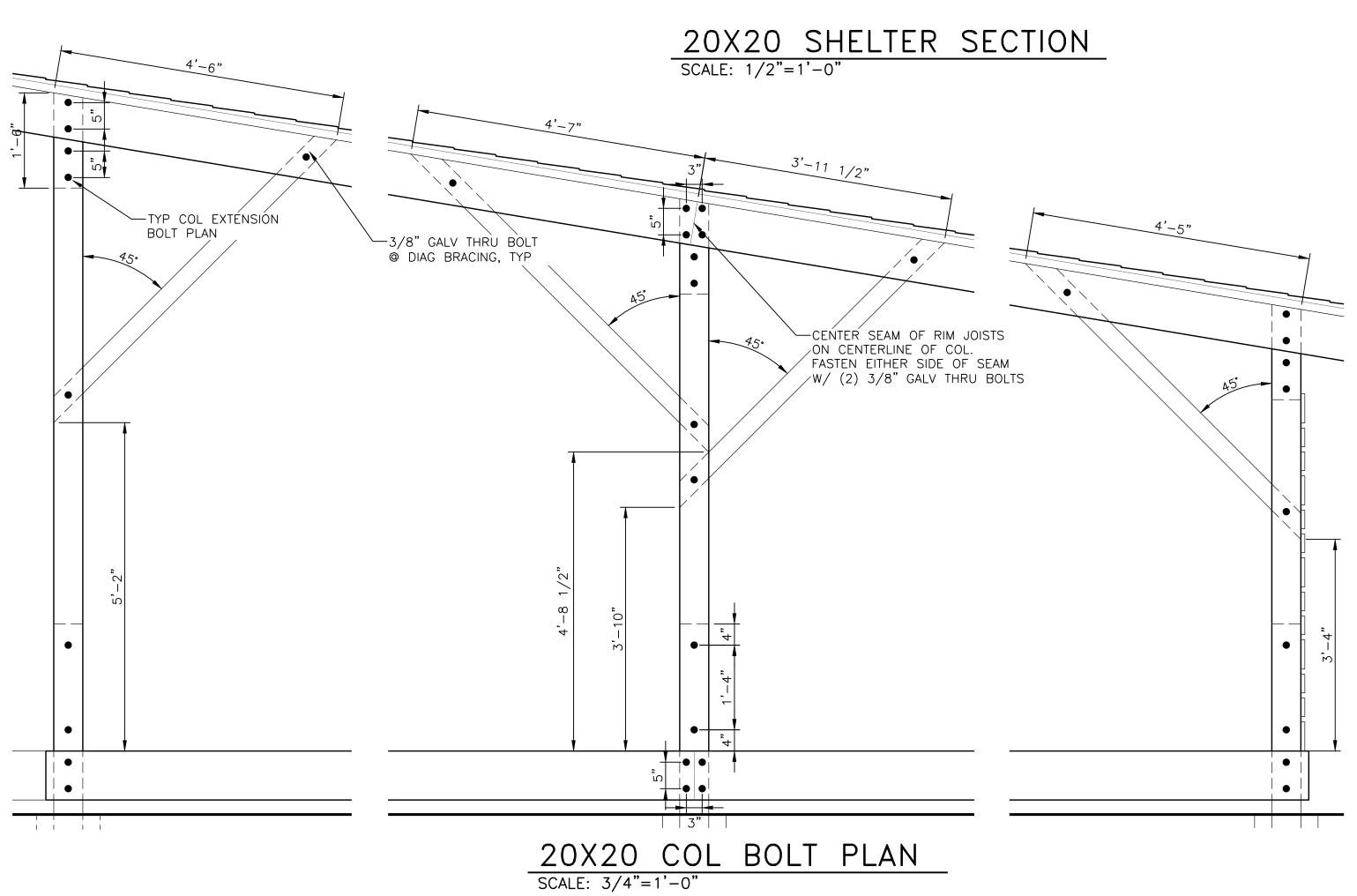
Sheet Title 20X20 SHELTER ROOF PLANS AND TYP **GUTTER DETAIL**

Sheet Number

A3

0 6" 1' 2' SCALE : 1/2" =1'-0"





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Sheet Title
COLUMN BOLT PLANS
AND STRUCTURAL
CALCS

Sheet Number

0 6" 1' 2' SCALE : 1/2" =1'-0" A4

12X12 COL BOLT PLAN

SCALE: 3/4"=1'-0"

─3/8" GALV THRU BOLT @ DIAG BRACING, TYP

TYP COL EXTENSION BOLT PLAN—