



ENGINEER
KAS Gales Company
Consulting Engineers
18772 Harmon Road
Fayetteville, AR 72704
Wk. 479.361.9977
Cell 479.422.0763
Email:
carl.d.gales@gmail.com

PROJECT:
3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT: Housing Authority
of the Cherokee Nation
1500 Hensley Drive
Tahlequah, Oklahoma
74465-1007

SHEET:

APPROVED BY:	
CDG	
DATE PREPARED:	
March 2023	
DESIGNED BY:	
DRAWN BY:	
MDG	

SHEET INDEX

SHEET NO.	DESCRIPTION
A101	TITLE SHEET
A102	FLOOR PLAN
A103	CABINET ELEV./H/VAC CLOSET FRAMING
A104	FOUNDATION PLAN
A105	DETAILS/WALL SECTION
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P101	WASTE AND VENT PLUMBING PLANS
P102	DOMESTIC WATER PLANS
P103	ISOMETRIC PLUMBING PLAN
E101	ELECTRICAL PLAN

ISSUED FOR CONSTRUCTION
APRIL 1, 2023

A101
SHEET NO.

22"x34" PRINT ONLY



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PROJECT:
3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:
Housing Authority
of the Cherokee Nation
Indian Affairs
Tahlequah, Oklahoma
74465-1007

SHEET:
Floor Plan

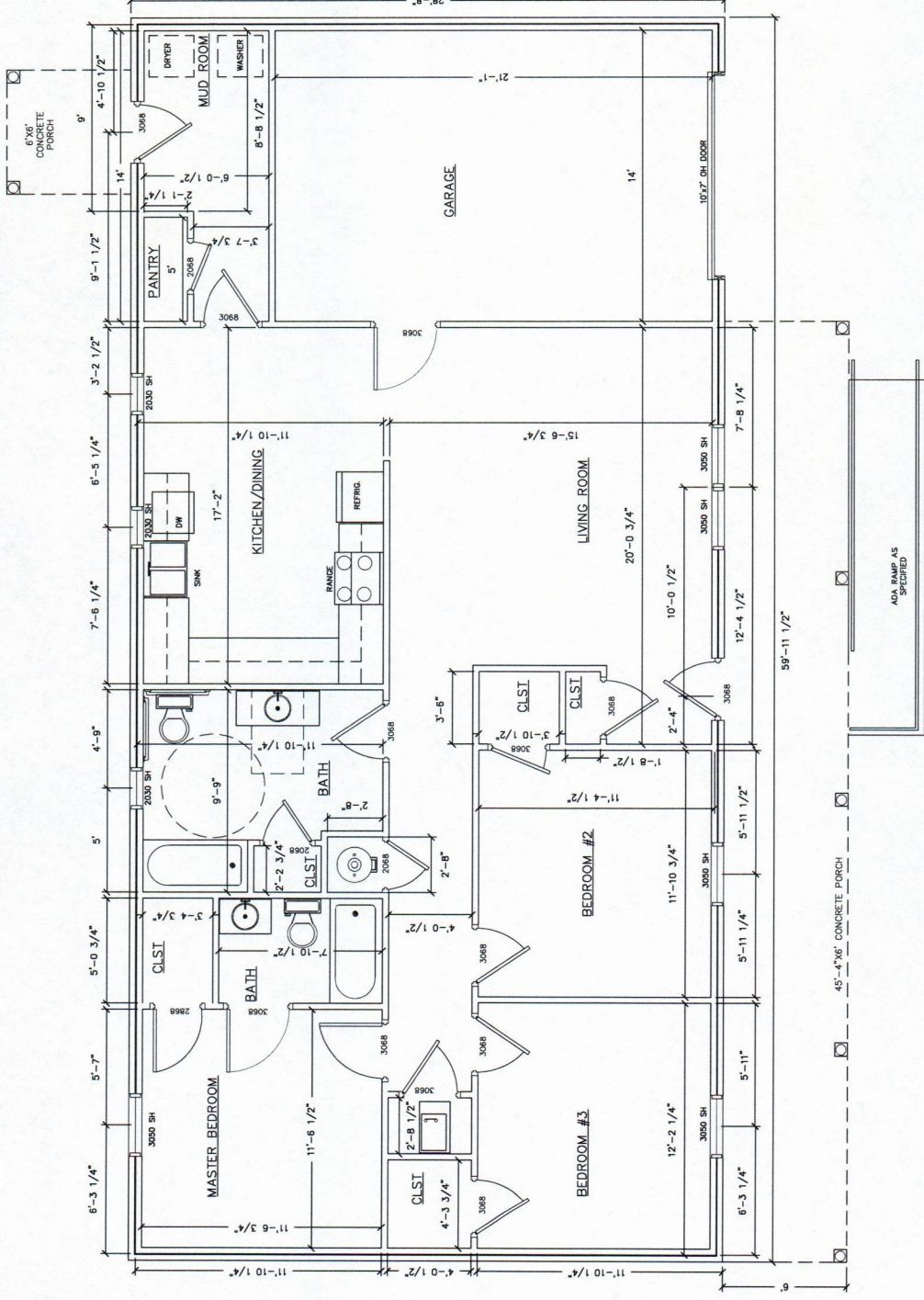
APPROVED BY:
DATE PREPARED:
March 2023
DESIGNED BY:
DRAWN BY:
MDD

NO REVISION
DATE

A102
SHEET NO.

22"x34" PRINT ONLY

SCALE
3/8" = 1'





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PROJECT:
3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:
Housing Authority
of the Cherokee Nation
3000 S.W. 10th Ave
Tahlequah, Oklahoma
74465-1007

SHEET:
HVAC and Cabinet
Elevation

APPROVED BY:
DATE PREPARED:
March 2023

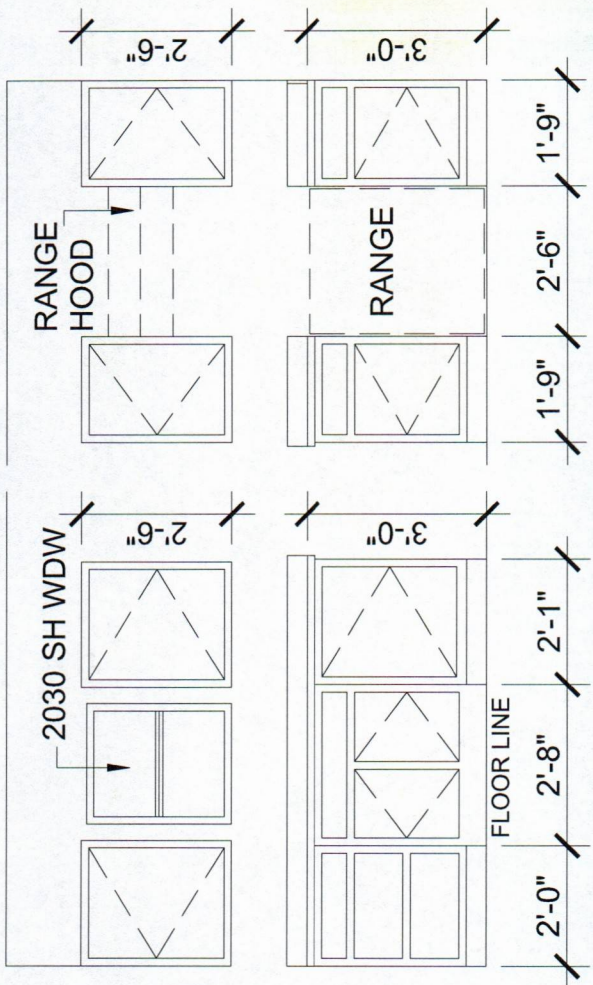
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DRAWN BY:
MDD

NO. REVISION
DATE

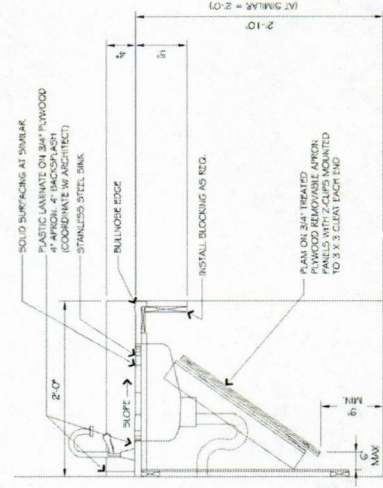
A103
SHEET NO.

22"x34" PRINT ONLY



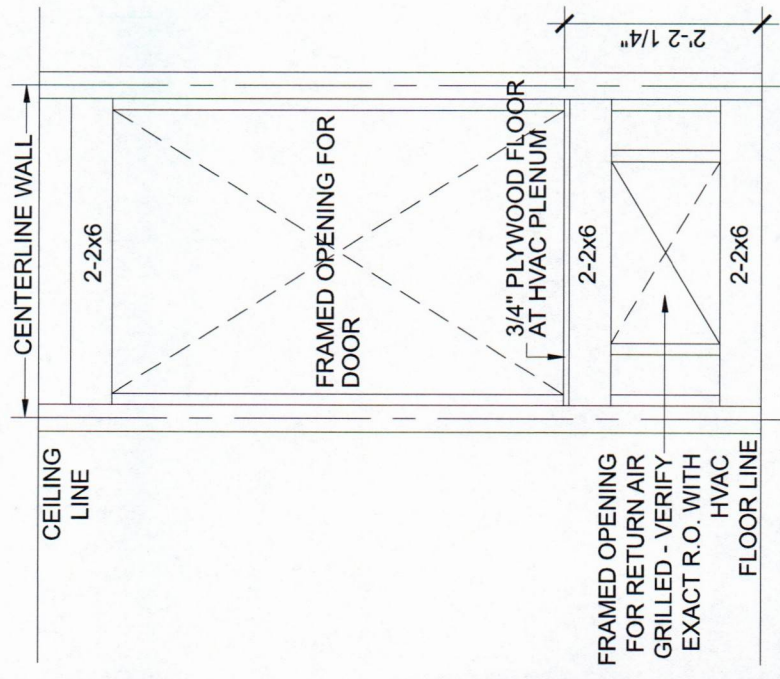
CABINET ELEVATION
SCALE 1"=1 1/2"=1'

NOTE:
COULD BE LOWERED FOR ADA COMPLIANCE WITH OPEN UNDER SINK IN KITCHEN
AND BATHROOM FOR WHEEL CHAIR ACCESSIBILITY. SEE ADA CABINET SIDE VIEW
FOR DIMENSIONS.



ADA CABINET SIDE VIEW
N.T.S.

HVAC CLOSET FRAMING
SCALE 1"=1 1/2"=1'



FRAMED OPENING
FOR RETURN AIR
GRILLED - VERIFY
EXACT R.O. WITH
HVAC



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PROJECT:

3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:

**Housing Authority
of the Cherokee Nation
1500 Hensley Drive
Tahlequah, Oklahoma
74465-1007**

SHEET:

Foundation Plan

APPROVED BY:

DATE PREPARED:

DESIGNED BY:

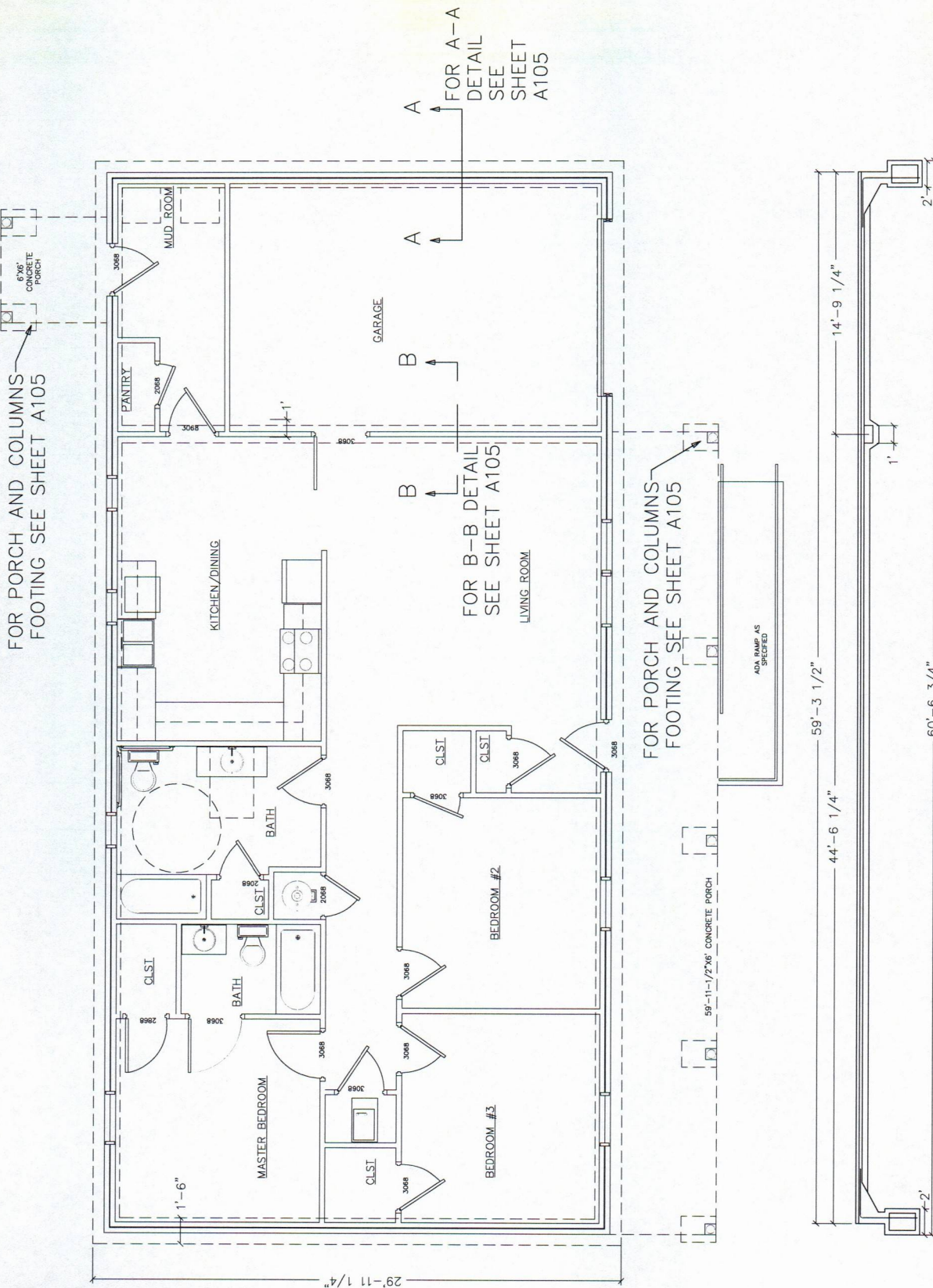
DRAWN BY:

NO.	REVISION	DATE
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A104

SHEET NO. 1

22"x34" PRINT ONLY



SCALE
 $3/8" = 1'$



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PROJECT:
3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:
Housing Authority
of the Cherokee Nation
Cherokee, Oklahoma
Tahlequah, Oklahoma
74465-1007

SHEET:
Front and Rear
Elevation

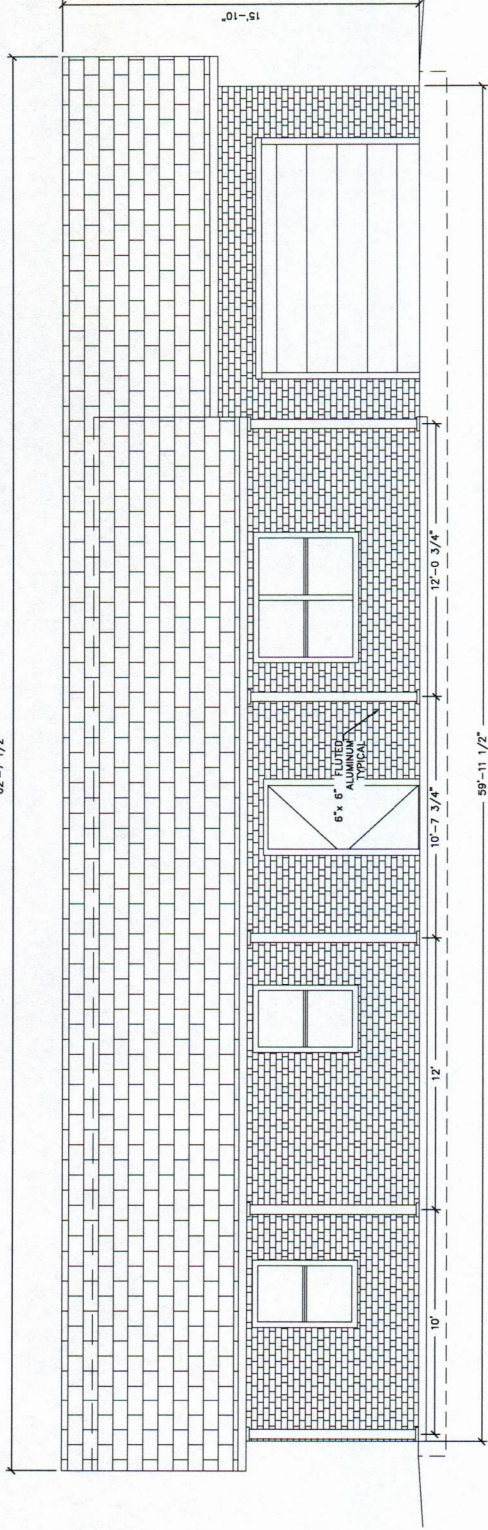
APPROVED BY:
DATE:
DATE PREPARED:
March 2023
DESIGNED BY:
DRAWN BY:
MOD:

NO. REVISION
DATE

A106
SHEET NO.

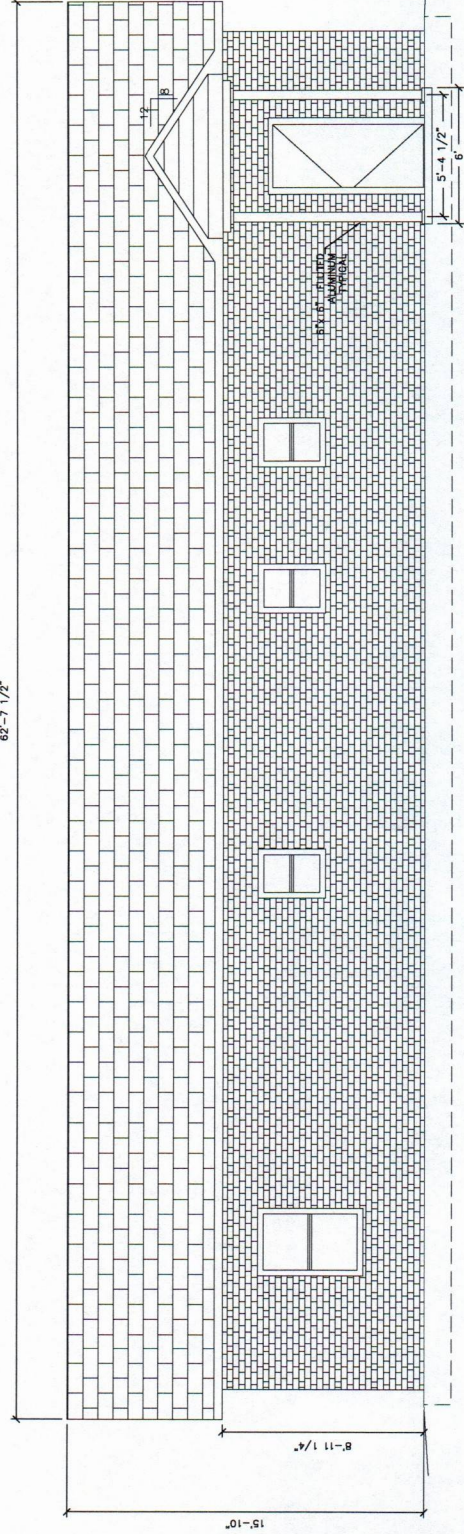
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62'-7 1/2"



FRONT ELEVATION

62'-7 1/2"



REAR ELEVATION

SCALE
3/8" = 1'



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3 Bedroom Right
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1355 Square Foot

CLIENT:

Housing Authority
of the Cherokee Nation
1500 Harmon Road
Tahlequah, Oklahoma
74465-1007

SHEET:

Right and Right
Elevation

APPROVED BY:

DATE PREPARED:

March 2023

DESIGNED BY:

DRAWN BY:

MDD

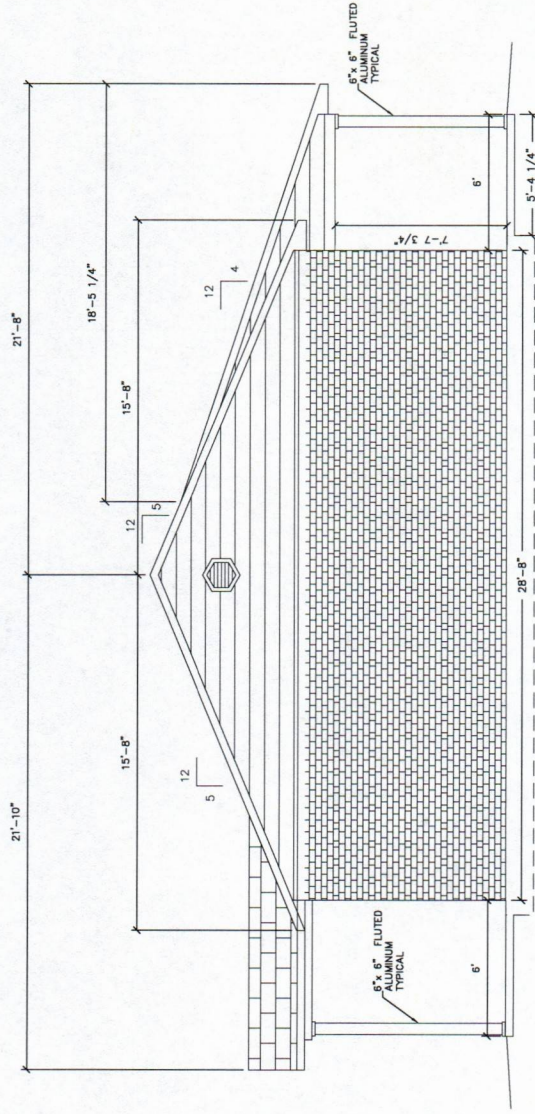
NO. REVISION

DATE

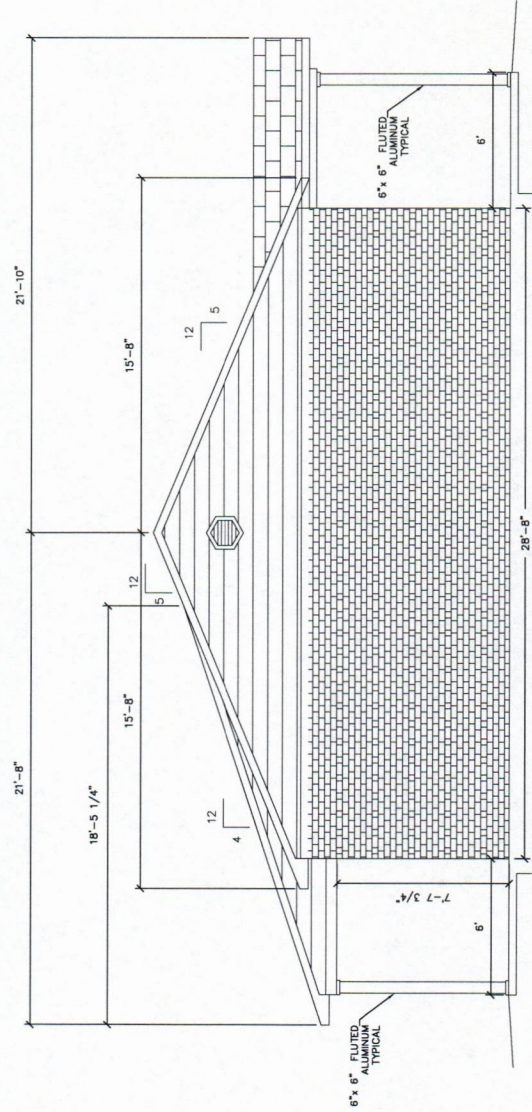
A107

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RIGHT ELEVATION



LEFT ELEVATION

SCALE
3/8" = 1'



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PROJECT:
3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:
Housing Authority
of the Cherokee Nation
1500 Hiensley Drive
Tahlequah, Oklahoma
74465-1007

SHEET:

HVAC Plan

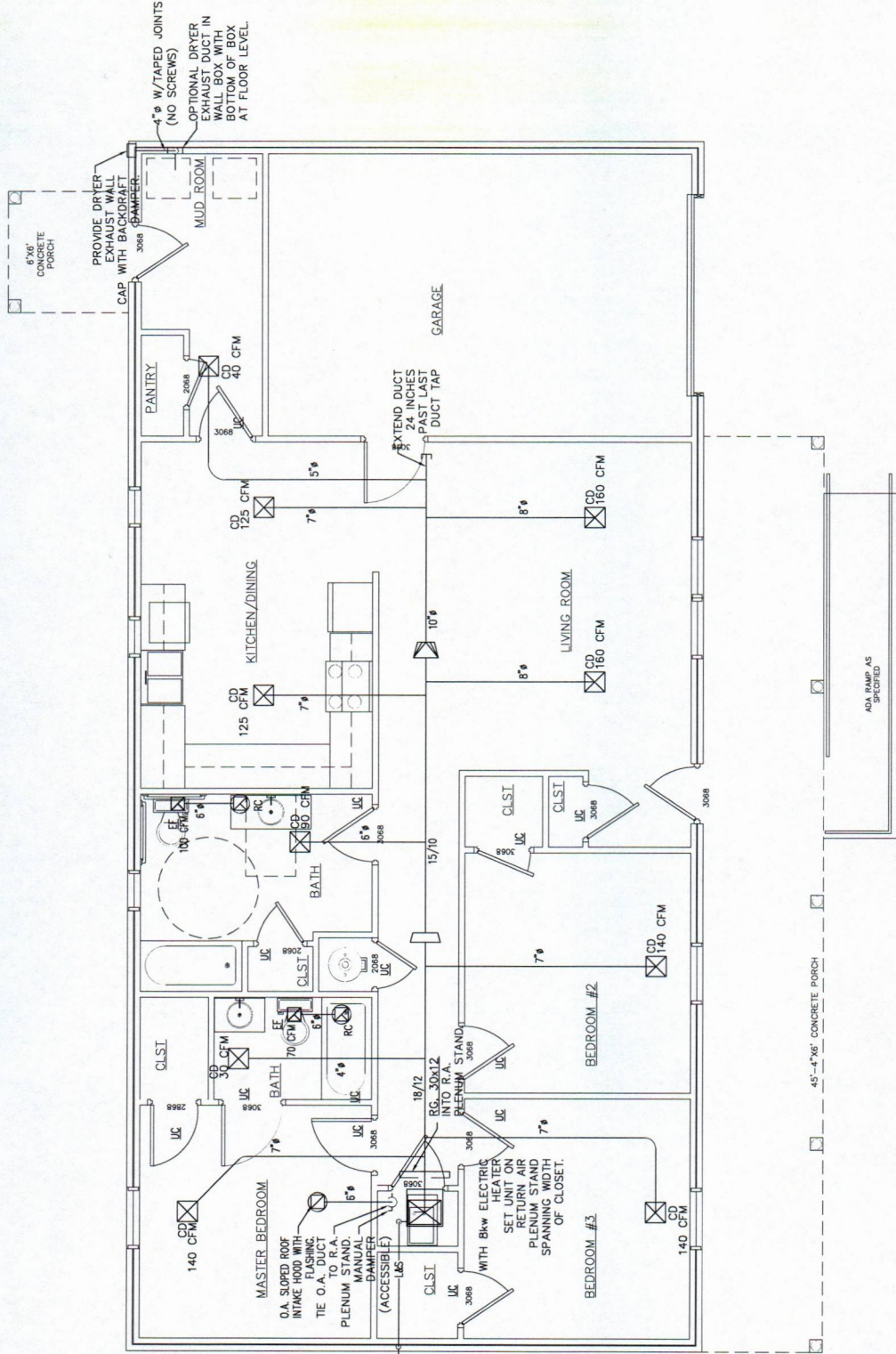
APPROVED BY:
DATE PREPARED:
March 2023
DESIGNED BY:
DATE:
DRAWN BY:
MJD

NO REVISION

M101
SHEET NO.

22"x34" PRINT ONLY

SCALE
3/8" = 1'



AIR DEVICES - HART & COOLEY OR EQUAL
CEILING DIFFUSERS TYPE 500
6x6 8x8
75-100 CFM (2T)
75-120 CFM (3T)
10x10
120-175 CFM (3T)
12x12
175-300 CFM (4T)

SIDEWALL FURNACE (FAN COIL) RETURN
GRILLE TYPE 672
30x12 800 CFM (2T)
30x18 1200 CFM (3T)
30x24 1600 CFM (4T)

ROUTE LIQUID AND SUCTON REFRIGERANT PIPING TO CONDENSING UNIT AT FURNACE
CONCRETE PAD

CONDENSING UNIT (HEAT PUMP)
ROUTE REFRIGERANT PIPING UP TO ATTIC SPACE.
(42,000 BTUH)

NOTE:
1. VERIFY HEAT SOURCE WITH CONSTRUCTOR, (GAS, ELECTRIC RESISTANCE, OR AIR TO AIR HEAT PUMP)
2. PROVIDE FLUE AND COMBUSTION AIR DUCTING FOR GAS FIRED FURNACE.

UC = UNDERCUT DOOR



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CLIENT:

Housing Authority
of the Cherokee Nation
1500 Cherokee Avenue
Tahlequah, Oklahoma
74465-1007

SHEET:

Waste Water Plan

APPROVED BY:

DATE PREPARED:

DESIGNED BY:

DRAWN BY:

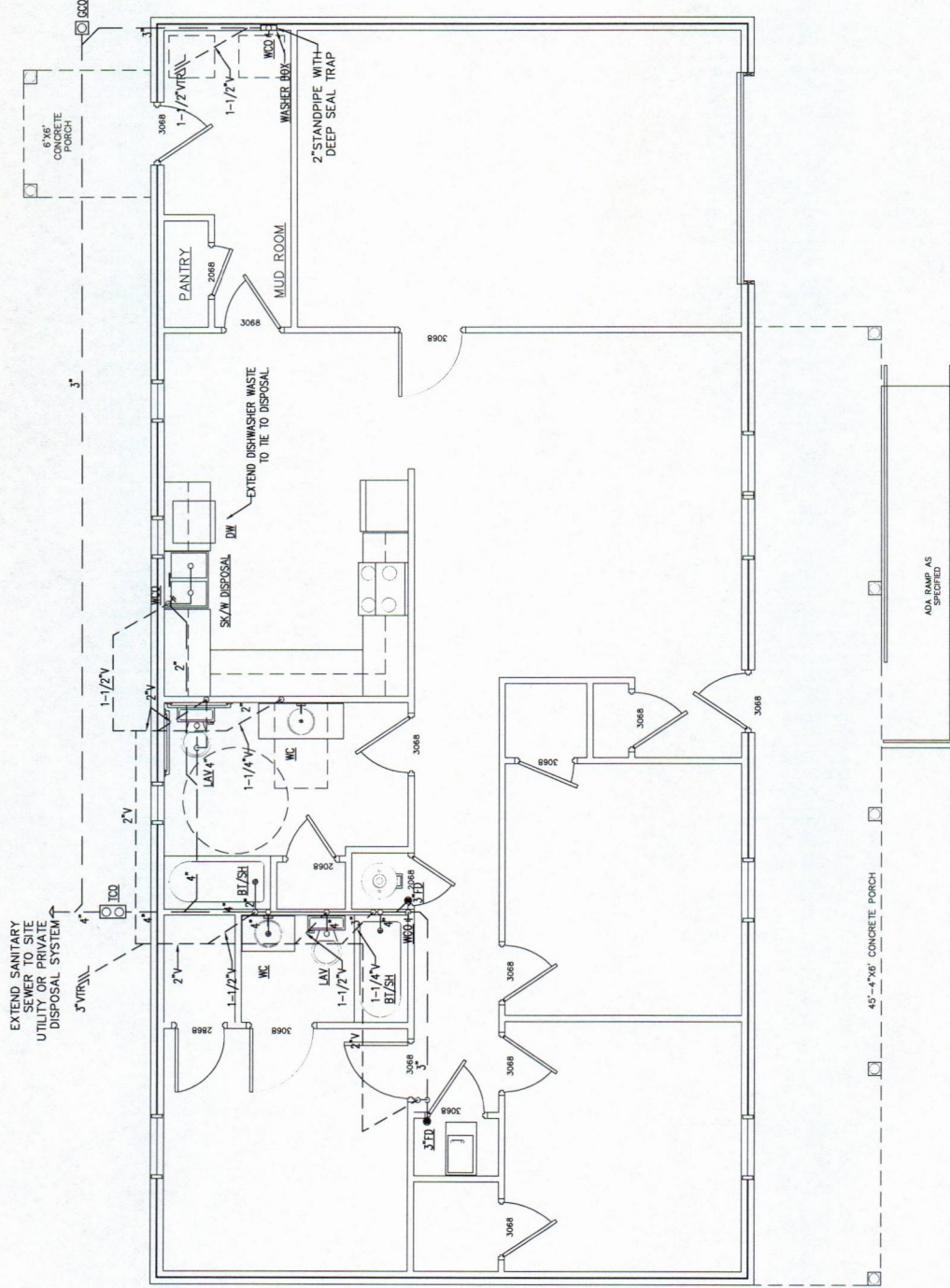
NO. REVISION

DATE

P101

SHEET NO.

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SCALE
3/8" = 1'



PROJECT:
3 Bedroom Right
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1355 Square Foot

CLIENT: Housing Authority
of the Cherokee Nation
1500 Hensley Drive
Tahlequah, Oklahoma
74465-1007

SHEET:

APPROVED BY:
LTDG

DATE PREPARED:
March 2023

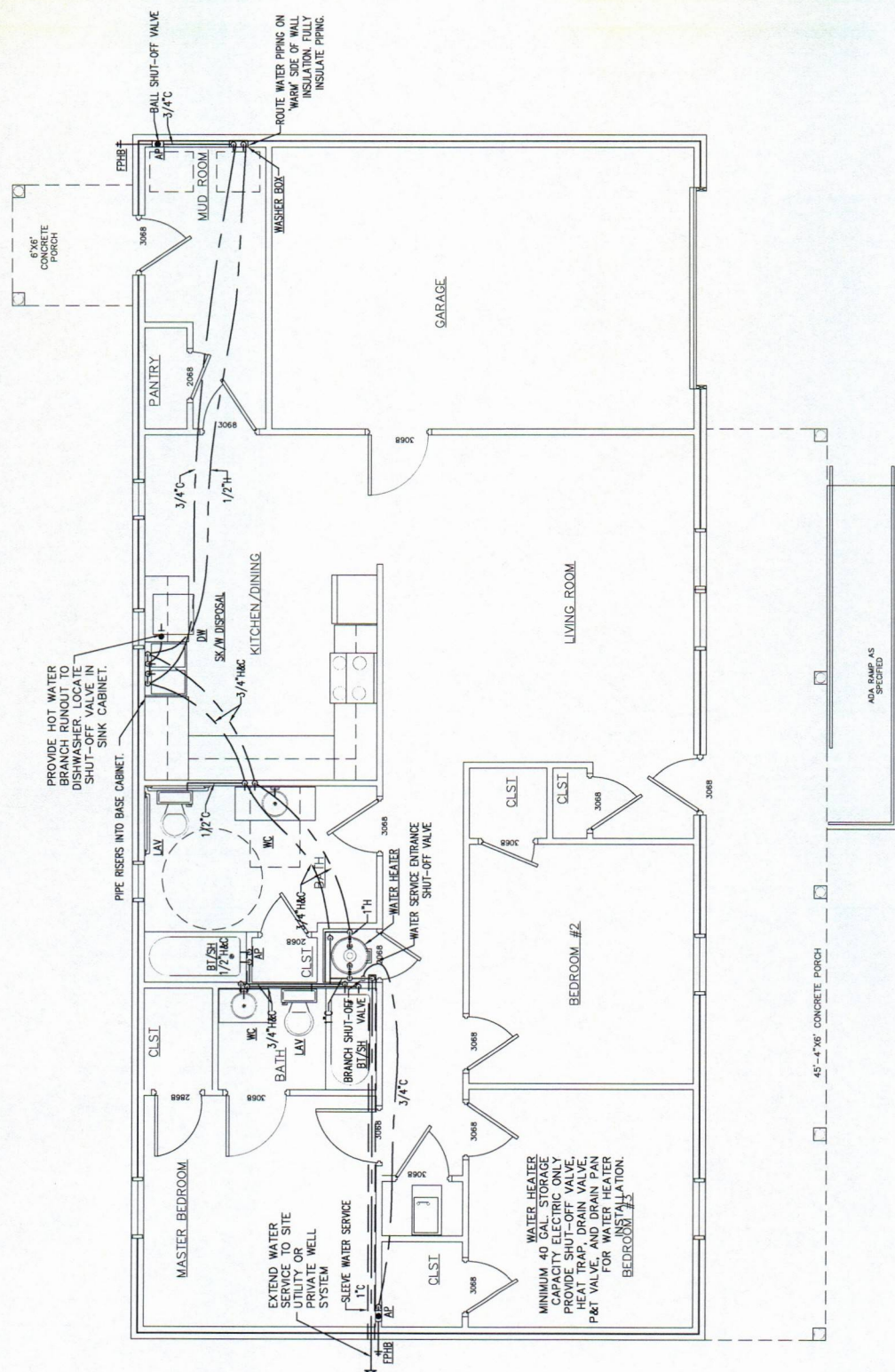
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DRAWN BY:

O. REVISION	DATE
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P102
SHEET NO.

2"x34" PRINT ONLY



SCALE
 $3/8" = 1'$



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PROJECT:

3 Bedroom Right
Garage Gable Roof
1355 Square Foot

CLIENT:

Housing Authority
of the Cherokee Nation
10000 Highway 100
Tahlequah, Oklahoma
74465-1007

SHEET:

Isometric Plumbing
Plans

APPROVED BY:

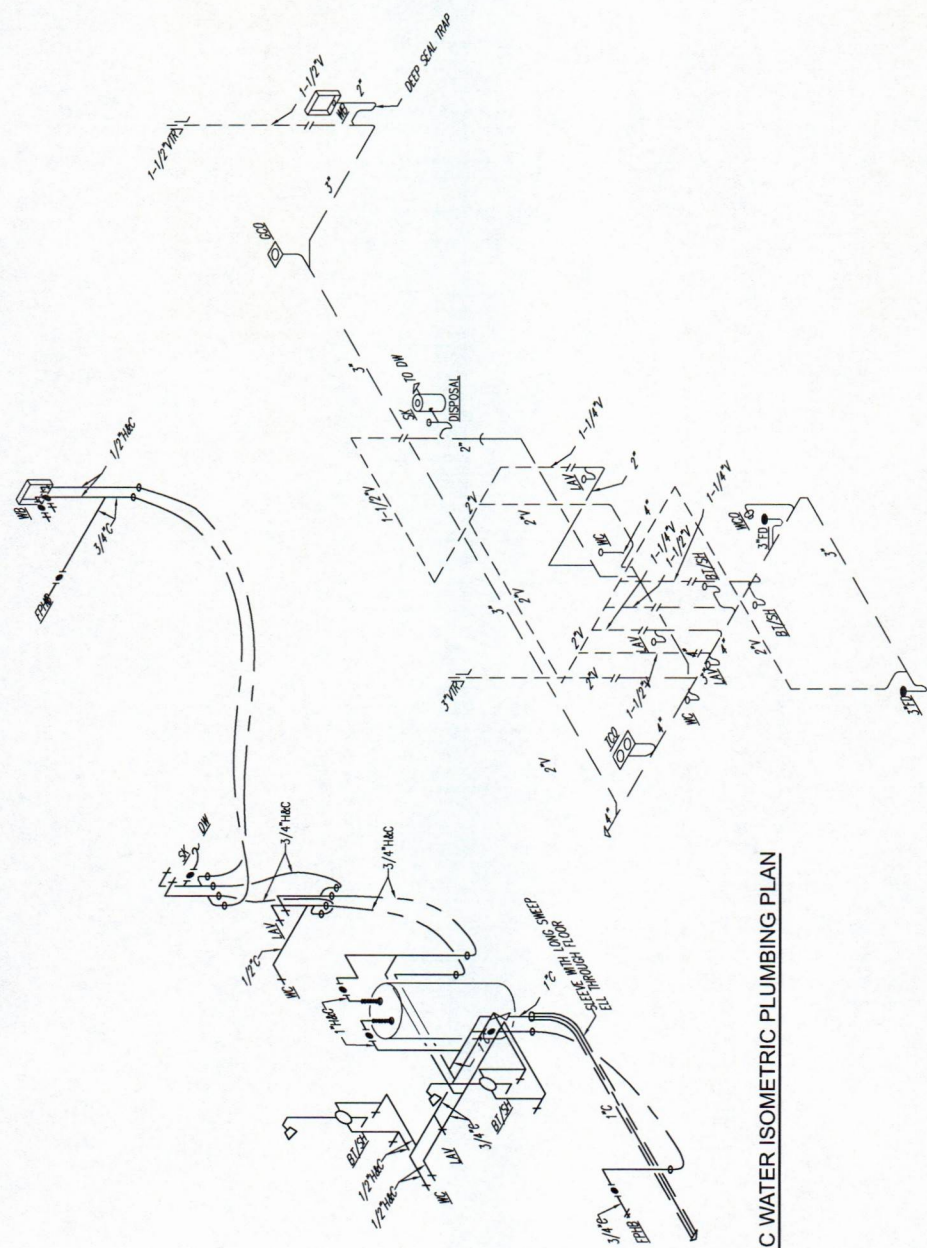
DATE PREPARED:
March 2023

DESIGNED BY:

DRAWN BY:
MDD

2 DOMESTIC WATER ISOMETRIC PLUMBING PLAN

Scale: NTS



1 WASTE AND VENT ISOMETRIC PLUMBING PLAN

Scale: NTS

P103

SHEET NO.

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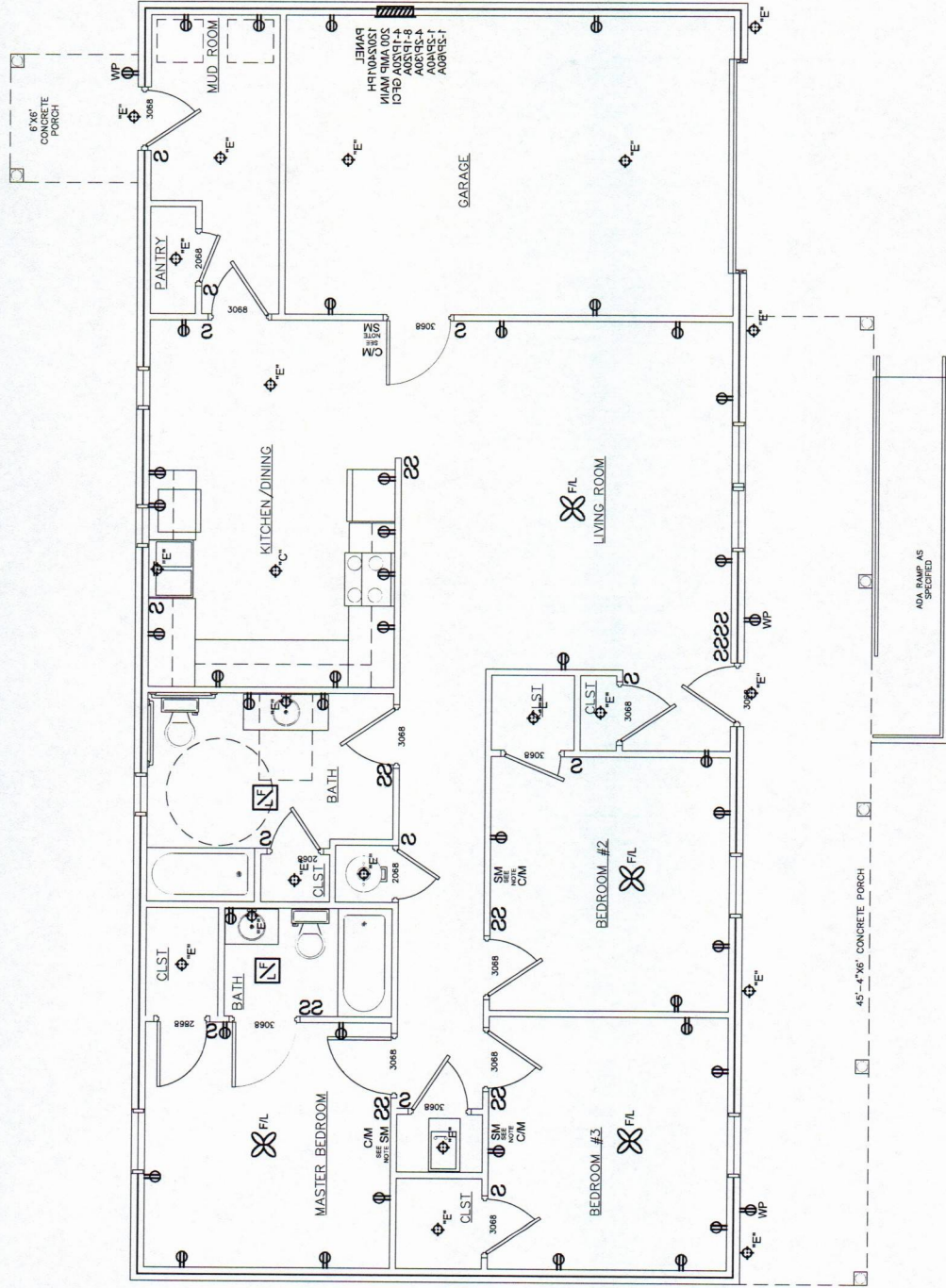
CLIENT:
Housing Authority
of the Cherokee Nation
1500 Hensley Drive
Tahlequah, Oklahoma
74465-1007

SHEET:
Electrical Plan

APPROVED BY:
C.D.M.
DATE PREPARED:
MAY 18, 2011
DESIGNED BY:
C.D.M.
DRAWN BY:
M.D.D.
NO. REVISION
DATE

E101
SHEET NO.

22"x34" PRINT ONLY



NOTE:
SMOKE DETECTORS TO
BE INSTALLED ON THE
WALL 12 INCHES FROM
CEILING PER NFPA

SCALE
3/8" = 1'