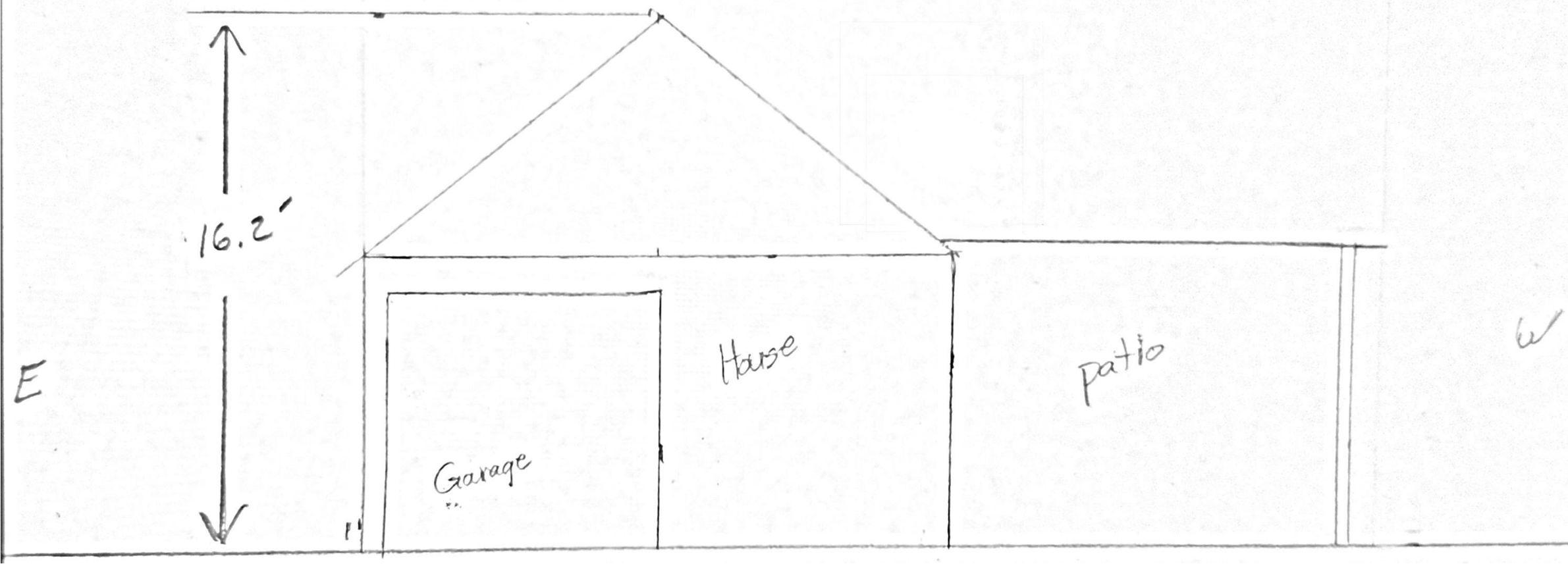
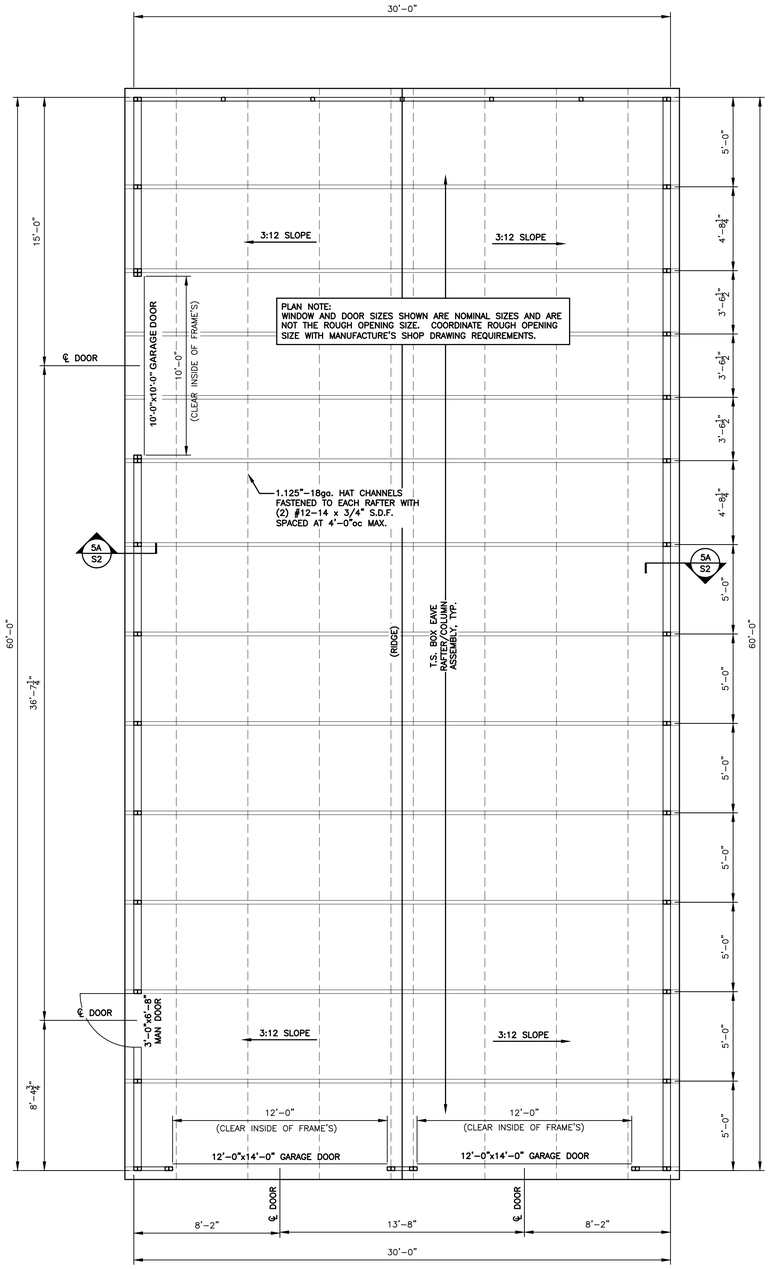
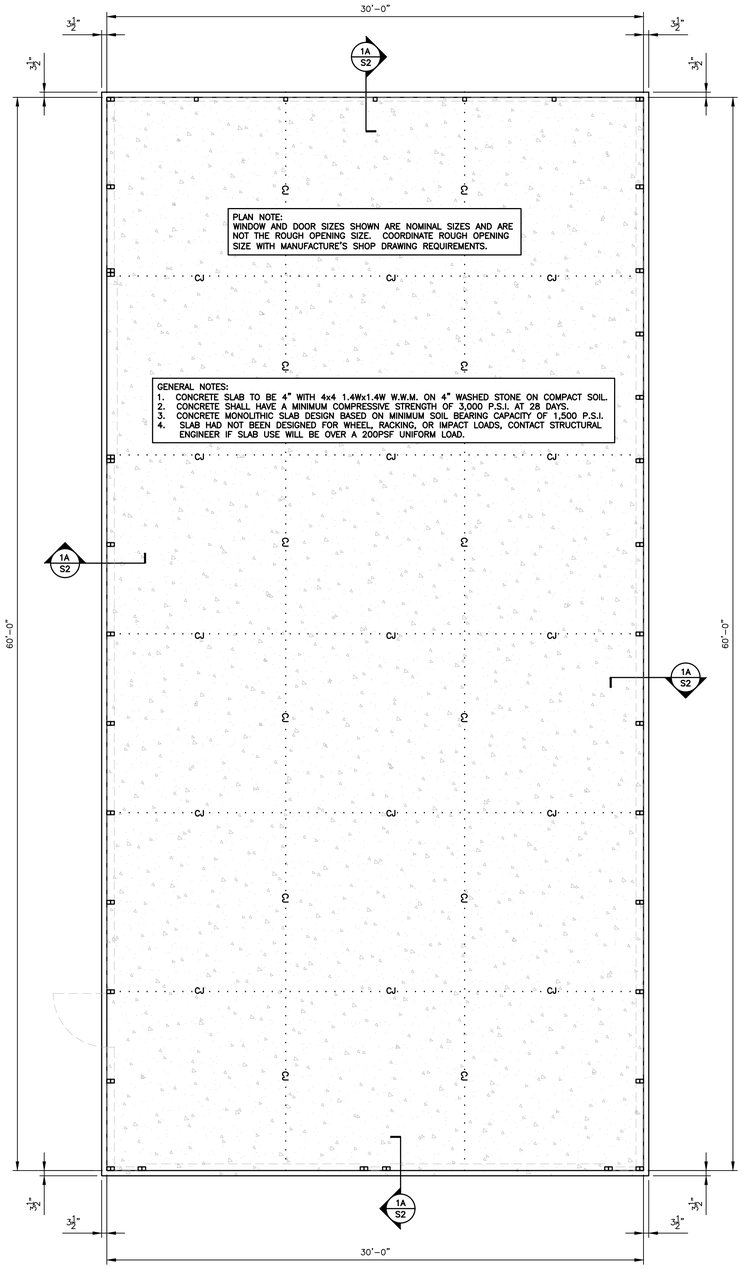
2328 N 64 St
Mesa, AZ 85215





FLOOR/ROOF FRAMING PLAN

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



FOUNDATION PLAN

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

SITE ADDRESS:

2328 N 64th St,
Mesa AZ 85215

GENERAL CONCRETE NOTES:

ALL REINFORCING BARS TO CONFORM TO ASTM-A615, GRADE 60. ALL ACCESSORIES ARE TO BE INCLUDED. BARS ARE TO BE COLD BENT IN SHOP. BAR SUPPORTS ARE TO BE SPACED INACCORDANCE WITH ACI 318 AND CRSI. ALL BAR SPLICES ARE TO BE CONSIDERED CLASS "B". CLASS "B" SPLICES ARE TO BE LAPPED A DISTANCE OF 1.3 Ld. COMPRESSION REINFORCING SHALL BE LAPPED A MIN. OF 40 BAR DIAMETERS.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 GRADE 60 OR 70. PLACEMENT IN CONCRETE SHALL BE IN THE CENTER OF THE SLAB

CONCRETE FOR FOOTINGS AND SLABS ON GRADE SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.

CONCRETE PLACEMENT AND QUALITY: PER RECOMMENDATIONS IN ACI SP-15.

DEBRIS: REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE.

SEGREGATION OF AGGREGATES: DO NOT DROP CONCRETE THROUGH REINFORCING STEEL SO AS TO CAUSE SEGREGATION OF AGGREGATES.

INSERTS: SECURELY POSITION ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES AND SLEEVES IN THE FORMS BEFORE PLACING CONCRETE.

CONSTRUCTION JOINTS: OBTAIN THE ARCHITECTS APPROVAL OF JOINT LOCATIONS IN ALL SLABS, BEAMS, AND SHEAR WALLS. REMOVE LAITANCE AND CLEAN SURFACE OF CONCRETE CONSTRUCTION JOINTS.

PIPES: DO NOT EMBED PIPES OTHER THAN ELECTRICAL CONDUITS IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY THE ARCHITECT. MAXIMUM PIPE SIZE SHALL BE 1/3 OF THE SLAB THICKNESS AND LOCATED AT THE MID DEPTH. MINIMUM SPACING SHALL BE 3 TIMES THE PIPE DIAMETER. PIPES SHALL NOT IMPAIR THE STRENGTH OF THE MEMBER. ANY PIPES OF ALUMINUM ARE PROHIBITED IN STRUCTURAL CONCRETE.

REBAR COVER: ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" ARE TO CENTER OF STEEL MINIMUM REBAR COVER (CLEAR) FOR NON-PRESTRESSED CONCRETE SHALL BE AS FOLLOWS:

LOCATION	MIN. COVERAGE (CLEAR)	TOLERANCES
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"	3/8"
EXPOSED TO EARTH OR WEATHER:		
#5 AND SMALLER BARS	1 1/2"	3/8"
#6 AND LARGER BARS	2"	3/4"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:		
STRUCTURAL SLABS & WALLS	3/4"	1/8"
SLABS ON GRADE	1 1/2"	1/4"
BEAMS AND COLUMNS (PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS)	1 1/2"	3/8"

TOLERANCES OF REBAR PLACEMENT: TOLERANCE FOR LONGITUDINAL LOCATION OF BENDS AND ENDS OF REINFORCEMENT SHALL BE PLUS OR MINUS 2 INCHES EXCEPT AT DISCONTINUING ENDS OF MEMBERS WHERE TOLERANCES SHALL BE PLUS OR MINUS 1/2 INCH.

DO NOT ADD WATER TO CONCRETE MIX AT SITE UNLESS APPROVED BY ARCHITECT

CONCRETE: NORMAL WEIGHT CONCRETE SHALL HAVE A MINIMUM UNIT WEIGHT OF 145 POUNDS PER CUBIC FOOT.

AGGREGATE: NORMAL WEIGHT AGGREGATE CONFORMING TO ASTM C33.
AGGREGATE SIZE CONFORMING TO:
3/4" ASTM C67
1" ASTM C67
1 1/2" ASTM C67

CEMENT: TYPE I
CONCRETE AGE: NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY ARCHITECT.

CONCRETE QUALITY:

CONCRETE USE:	STRENGTH @ 28 DAYS	SLUMP	AIR	AGGREGATE SIZE	AGGREGATE TYPE
FOUNDATIONS	3000	3"	–	1 1/2"	ASTM C33
EXTERIOR SLABS	4500	4"	4-6%	1"	ASTM C33
STRUCTURAL WALLS	4000	4"	4-6%	1"	ASTM C33
	4000	4"	4-6%	1 1/2"	ASTM C33
SLAB ON GRADE	3000	4"	4-6%	1"	ASTM C33

DO NOT ADD WATER TO CONCRETE MIX AT SITE UNLESS APPROVED BY ARCHITECT

CONCRETE: NORMAL WEIGHT CONCRETE SHALL HAVE A MINIMUM UNIT WEIGHT OF 145 POUNDS PER CUBIC FOOT.

AGGREGATE: NORMAL WEIGHT AGGREGATE CONFORMING TO ASTM C33.
AGGREGATE SIZE CONFORMING TO: 3/4"

ASTM C67 1"
ASTM C67 1 1/2"
ASTM C67

CEMENT: TYPE I CONCRETE AGE: NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY ARCHITECT.

YARD WALLS
GENERAL NOTES:
SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 ½"X2 ½" 14GA TUBE STEEL FRAMING MEMBERS WHERE 2 ½"X2 ½" 14 GAUGE IS SPECIFIED, TS 2 ½"X 2 ½" 12GAUGE MAYBE USED AS AN OPTION FOR VERTICAL ROOF CONFIGURATION.

AVERAGE FASTENER SPACING SHALL BE 10" FOR RAFTERS AND PURLINS

FASTENERS SHALL BE #12 X ¾" SELL DRILLING SCREWS WITH CONTROLSEAL WASHER. USE LAP JOINT SEALANT AT LOCATIONS LESS THAN ½ PITCH

ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH COLUMN (POST) ALONG SIDES AND ENDS.

APPENDIX "B"

STRUCTURAL DESIGN

DESIGN LOADS:

RISK CATEGORY: II

IMPORTANCE FACTORS: WIND (Iw) 1.00; SNOW (Is) 1.00; SEISMIC (Ie) 1.00

DEAD LOADS: ROOF 13 PSF; ROOF COLLATERAL 0 PSF

LIVE LOADS: ROOF 20 PSF

GROUND SNOW LOAD: 0 PSF

WIND LOAD: BASIC WIND SPEED 115 mph (ASCE 7-16); EXPOSURE CATAGORY B

SEISMIC DESIGN CATAGORY B

COMPLIANCE WITH SECTION 1616.4? [X] NO [ ] YES

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY II

SPECTRAL RESPONSE ACCELERATION Ss 18.8 %g S1 6.7 %g

SITE CLASSIFICATION D [ ] FIELD TEST [X] PRESUMPTIVE [ ] HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

[ ] BEARING WALL [ ] DUAL W/ SPECTRAL MOMENT FRAME
[X] BUILDING FRAME [ ] DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL
[ ] MOMENT FRAME [ ] INVERTED PENDULUM

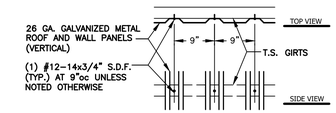
ANALYSIS PROCEDURE [X] SIMPLIFIED [ ] EQUIVALANT LATERAL FORCE [ ] MODAL

LATERAL DESIGN CONTROL? [ ] EARTHQUAKE [X] WIND

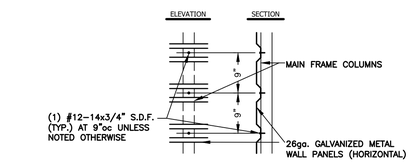
SOIL BEARING CAPACITIES:
PRESUMPTIVE BEARING CAPACITIES: 1,500 PSF

GENERAL NOTES:

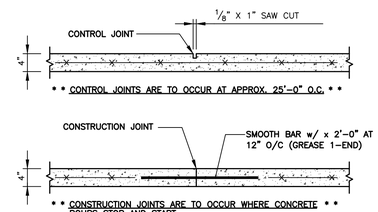
1. MAX FRAME SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
2. MAX. END-WALL COLUMN SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
3. TUBE MATERIAL SHALL BE 2-1/2" x 2-1/2" x 14ga. 50 K.S.I. MIN. UNLESS NOTED OTHERWISE.
4. ALL FASTENERS SHALL BE #12 SELF TAPPING UNLESS NOTED OTHERWISE.
5. 1,500 P.S.F. ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.
6. EXTERIOR SIDING SHALL BE FASTENED WITH #12 SELF TAPPING SCREWS AT 9"oc.
7. J.C.M.T. IS NOT RESPONSIBLE FOR TEMPORARY ERECTION STABILITY OR BRACING DURING CONSTRUCTION.



SIDING CONNECTION DETAIL
SCALE: 1-1/2" = 1'-0" VERTICAL



SIDING CONNECTION DETAIL
SCALE: 1-1/2" = 1'-0" HORIZONTAL



TYPICAL JOINT DETAILS

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

02/10/2025

Ray Ramirez
2328 N. 64th St.
Mesa, AR 85215

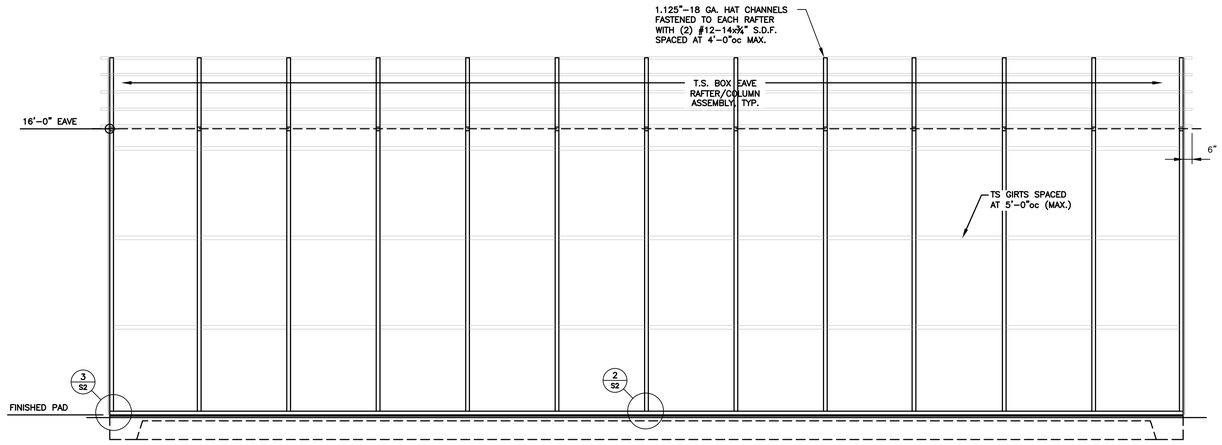
Date: 02/09/25

Revisions: --/--/--

JCMT Associates, PLLC
211 Stone Drive,
Pilot Mountain, NC 27041
Telephone: (336) 399-6277

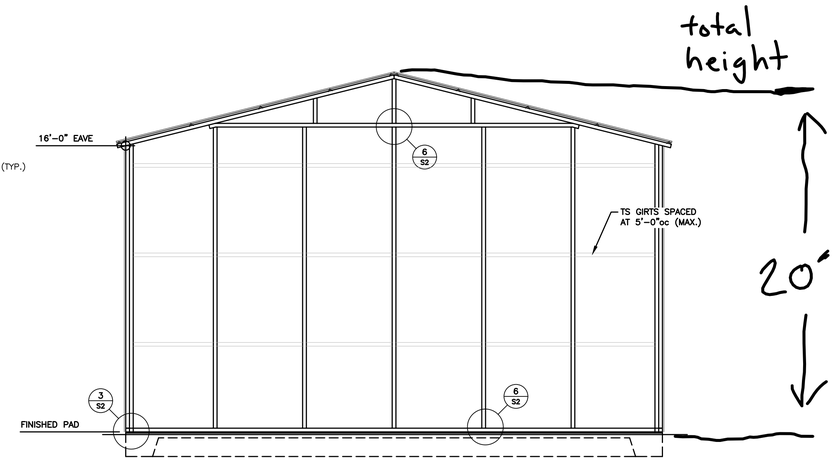
Project No. 24-239

Sheet No. S1.1



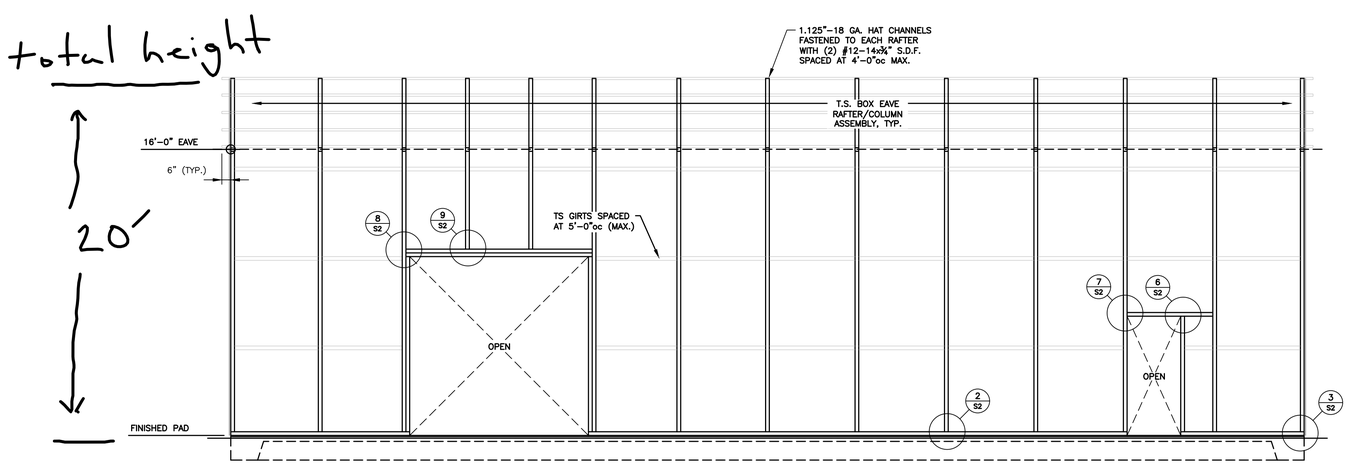
RIGHT SIDE ELEVATION

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



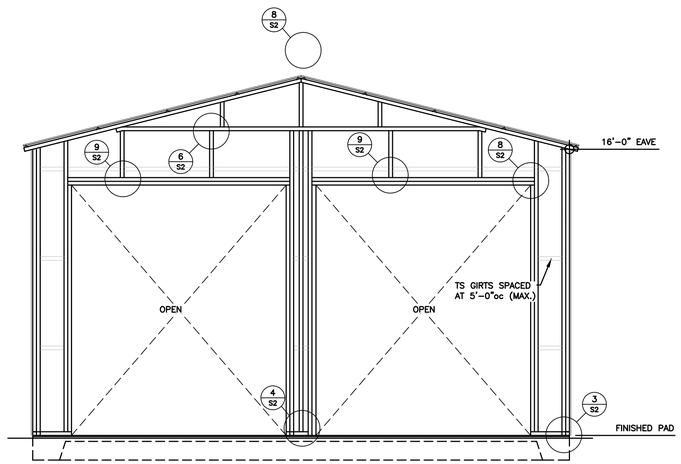
REAR ELEVATION

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



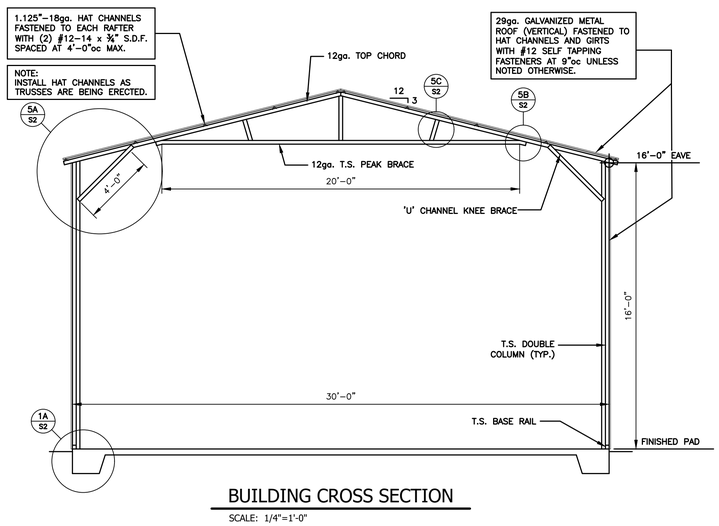
LEFT SIDE ELEVATION

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



FRONT ELEVATION

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



BUILDING CROSS SECTION

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

SITE ADDRESS:

2328 N 64th St,
Mesa AZ 85215

Registered Professional Engineer (Individual) CERTIFICATE NO. 82845 JAMES TATE Date Signed 02.10.25 ARIZONA, U.S.A.

02/10/2025

Ray Ramirez
2328 N. 64th St.
Mesa, AR 85215

Date: 02/09/25

Revisions: --/--/--

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Project No. 24-239

Sheet No. S1.2

SITE ADDRESS:

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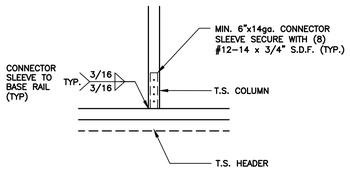
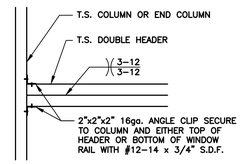


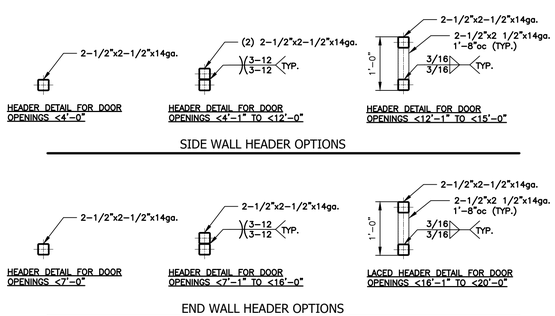
9 / S2 HEADER TO RAFTER / COLUMN CONNECTION DTL

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



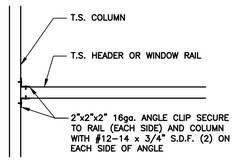
8 / S2 COLUMN / HEADER CONNECTION DETAIL

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



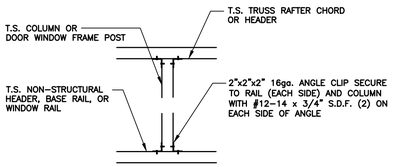
12 / S2 SIDE WALL / END WALL HEADER OPTIONS

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



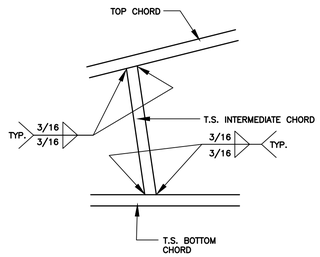
7 / S2 HEADER TO COLUMN CONNECTION DETAIL

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



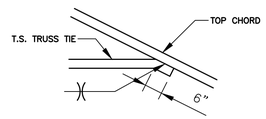
6 / S2 RAIL TO POST CONNECTION DETAIL

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



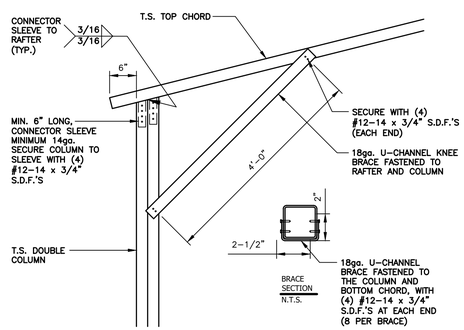
5C / S2 INTERMEDIATE CHORD TO TOP/BOTTOM CHORD CONNECTION DETAIL

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



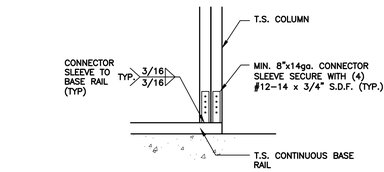
5B / S2 TRUSS TIE CONNECTION DETAIL

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



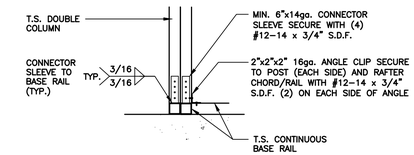
5A / S2 BOX EAVE RAFTER / COLUMN CONNECTION DETAIL

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



4 / S2 COLUMN / BASE RAIL CONNECTION DETAIL

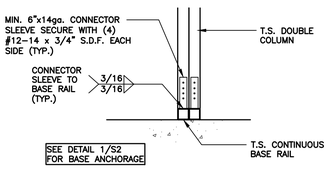
SCALE: 3/4" = 1'-0"



END WALL COLUMN / BASE RAIL CONNECTION DETAIL

3 / S2

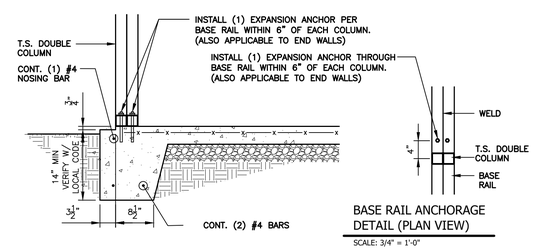
SCALE: 3/4" = 1'-0"



2 / S2 COLUMN / BASE RAIL CONNECTION DETAIL

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

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 115 M.P.H.	(1) 1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 125 M.P.H.	(1) 1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 135 M.P.H.	(1) 1/2" x 9" EXPANSION ANCHOR
UP TO 145 M.P.H.	(1) 1/2" x 9" EXPANSION ANCHOR



BASE RAIL ANCHORAGE DETAIL (PLAN VIEW)

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

1A / S2 BASE RAIL ANCHORAGE DETAIL

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

02/10/2025

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Mesa, AR 85215

Date: 02/09/25	JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	Project No. 24-239
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