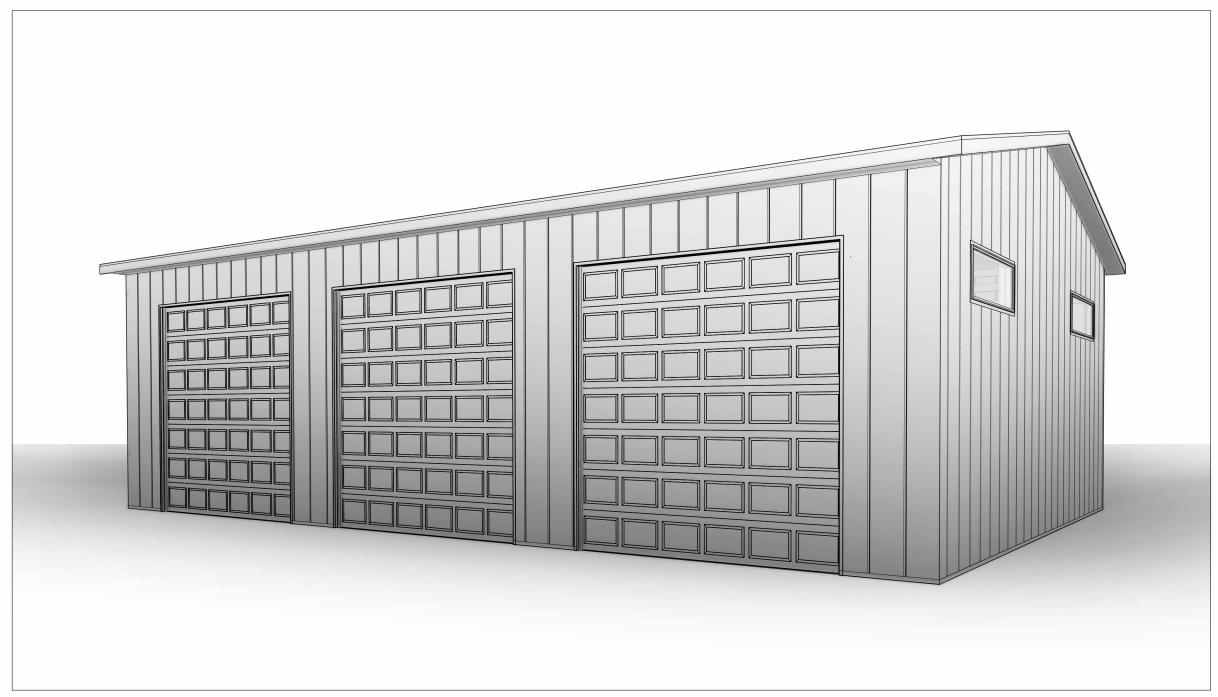
ROPER BUILDINGS ROGER BUHRLEY BLDG.



BUILDING INFORMATION

BUILDING INFORMATION:

TOTAL SQUARE FOOTAGE: 1,500 Sq. Ft.

SITE INFORMATION:

USAGE:

ROPER BUILDINGS / DMLP RESOURCES PHONE: (801) 689-3630

DIMENSIONS: 30' x 50'

ADDRESS: 1417 S. 8000 E. Hunstville, UT 84317 Agricultural



DRAWING INDEX

A0	Title Page
A1	Foundation Plan
A2	First Floor Plan
А3	Framing Plans
A4	Roof Plan
A5	Elevations
A6	Panel Layouts
A7	Details 1
A8	Details 2
A9	Engineering Notes

DATE:

7/10/2023

NORTH (FRONT OF BUILDING)

TONAL

JACKSON D SAGERS

13258211

PIERS

Diameter

24" 30" Depth

43"

40"

Type F24

F30

Count

12

ROGER

Scale: 1/8" = 1'-0"

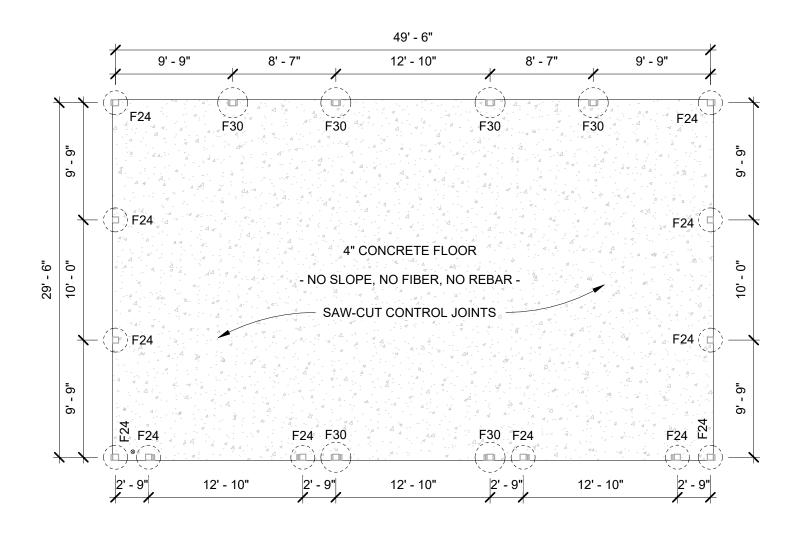
Drawn by: JDJ

Job: BUHRLEY

Sheet Size: B 17" x 11"

Foundation Plan

A1



FOUNDATION PLAN 1/8" = 1'-0"

SOUTH

EAST

DOORS Width Height Type Mark | Count 12' - 0" | 12' - 0" 3 O.H.D. 1 M.D. 3' - 0" 6' - 8"

WINDOWS Width | Height | Sill Height | Mark Count Type A 4 PICTURE ABOVE 6' - 0" 2' - 0" 10' - 0"

WEST

INSULATION				
ROOF	WALLS	ROLLS		
FELT				

FELT

50' - 0" £ £ 10' - 0" 8' - 7" 12' - 10" 8' - 7" 10' - 0" لھ **□** 6x6 **□** 6x6 6x6 **□** 6x6 5 2 6x6 ō, 2x6 TRIMMERS EA. SIDE OF - 0 **BEARING POSTS (TYP.)** MIRROR (A) WINDOW DIMENSIONS FROM WEST SIDE ..0 - .9 6' - 0" 10' 10 A $\left[\mathsf{A}\right]$ د لی ۱ 30' - 0" - 0 - 0 10' 10 لى -5X 1 (1) (1) 12' x 12' 2 12' x 12' 12' x 12' .0 - .9 O.H. DOOR O.H. DOOR (A) - 0 - 0 <u>.</u> O.H. DOOR 10' 10' 0 (2) 2x6 TRIMMERS (2) 2x6 TRIMMERS (2) 2x6 TRIMMERS 3 6x6 11' - 10" INSIDE 11' - 10" INSIDE 11' - 10" INSIDE 3' - 0" 12' - 10" 12' - 10" 12' - 10" Ę Ł Ę Ę £ Ę Ę 卪

Р	POSTS		
Quantity	Description		
18	6x6 HF		

POST TABLE			
SAWN	LAMINATED TRIAD OPTION		
6x6 HF #1	3-PLY 2x8		

NOTES:

JACKSON D. SAGERS

13258211*(* 07/10/2023

1. EMBED POST INTO CONCRETE PIER. SEE DETAIL 8/A7.

2. WALLS: STANDARD GIRTS, 29 GA. STEEL PANEL.

3. ALL POSTS ARE TREATED HF #1 UNLESS OTHERWISE SPECIFIED.

0	0.00 1 11		Date: 7/10/2023
			Date. 1/10/2023
		ıl	0 1 4/0" 41 0

Scale:	1/8"	=	1'-0'

ROPER BUILDINGS / DMLP RESOURCES

BLDG

BUHRLEY

ROGER

1417 S. 8000 E. Hunstville, UT 84317

(801) 689-3630

Drawn by:	JDJ
Job: BUHR	LEY

Sheet Size: R	

Sheet Size: B 17" x 11"

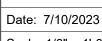
First Floor Plan

A2

FLOOR PLAN 1/8" = 1'-0"

SOUTH

EAST (FRONT OF BUILDING)



Scale: 1/8" = 1'-0"

Drawn by: JDJ

Job: BUHRLEY

Sheet Size: B 17" x 11"

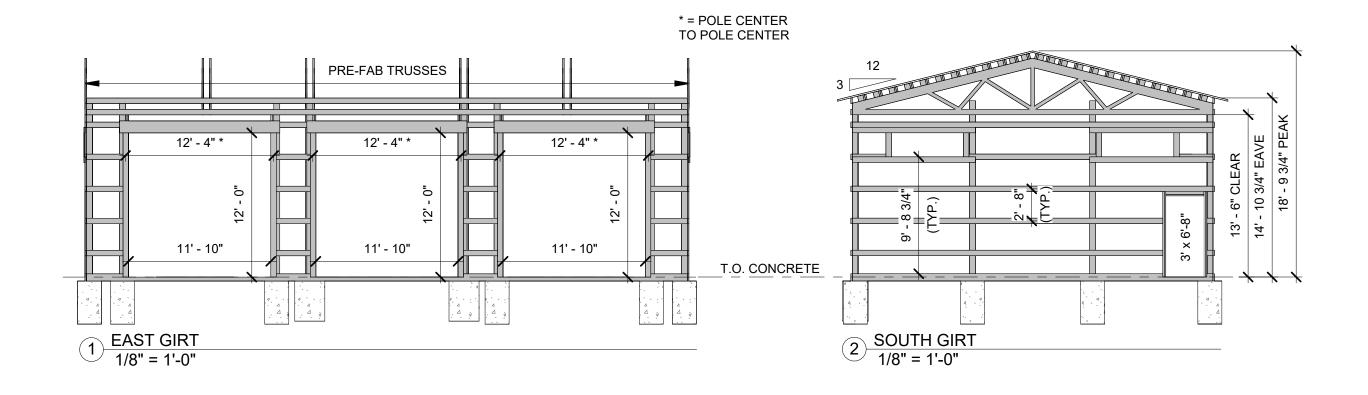
TONAL

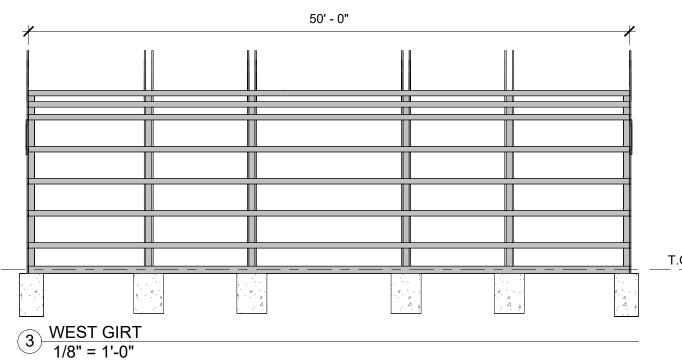
JACKSON D. SAGERS

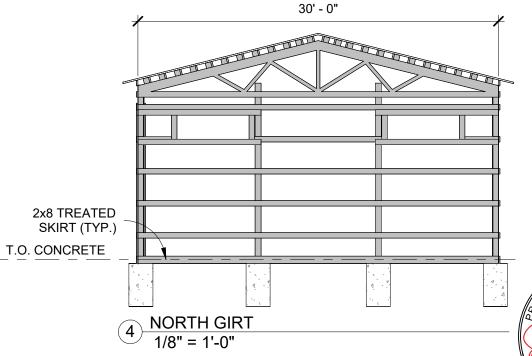
13258211*(* 07/10/2023*)*

Framing Plans

A3







NORTH

ROGER

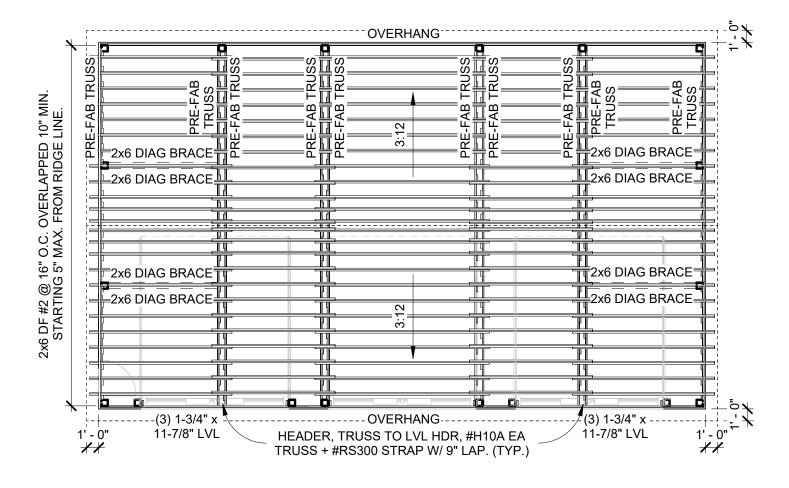
Drawn by: JDJ

Job: BUHRLEY

Sheet Size: B 17" x 11"

Roof Plan

A4



ROOF PLAN 1/8" = 1'-0"

SOUTH

EAST

ROOF FRAMING NOTES: 3:12 ROOF PITCH

PURLINS: 2x6 DF #2 @ 16" O.C. OVERLAPPED 10" MIN. STARTING 5" MAX. FROM RIDGE LINE.

JACKSON D. SAGERS

13258211

13' - 6" CLEAR 14' - 10 3/4" EAVE 18' - 9 3/4" PEAK

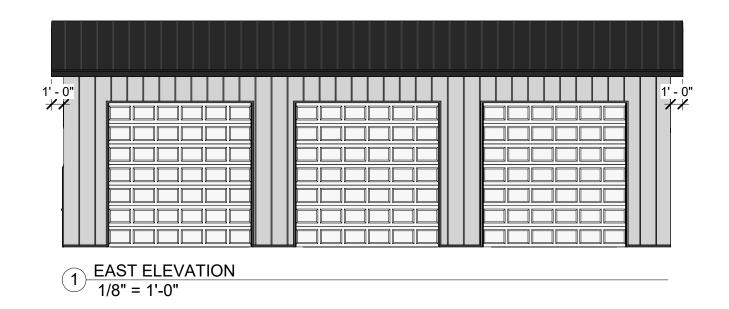
Scale: 1/8" = 1'-0"

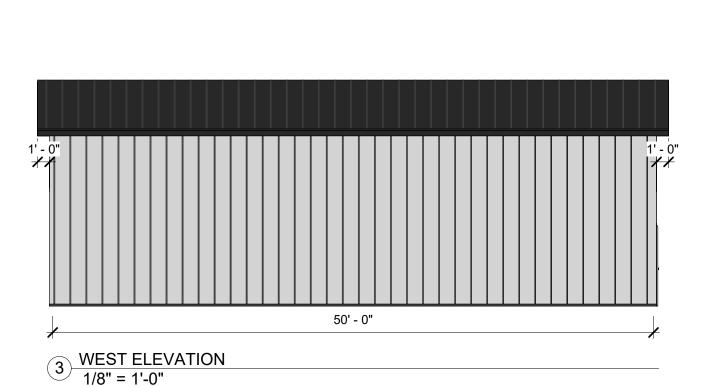
Drawn by: JDJ Job: BUHRLEY

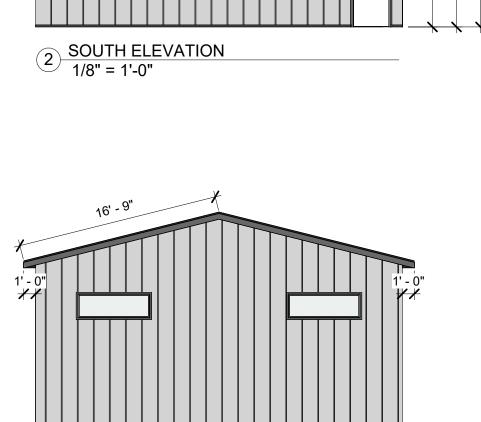
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Elevations

A5







30' - 0"

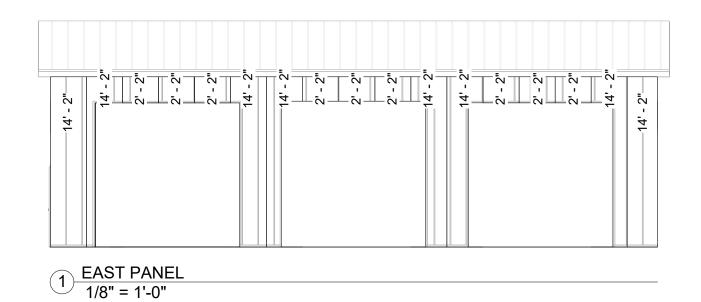
NORTH ELEVATION
1/8" = 1'-0"

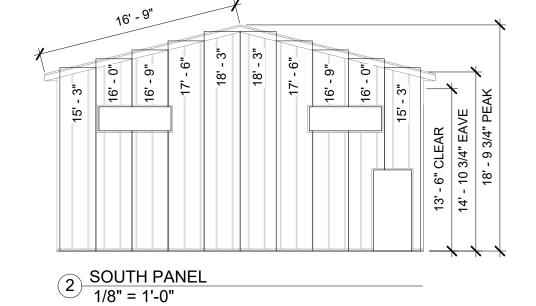
12

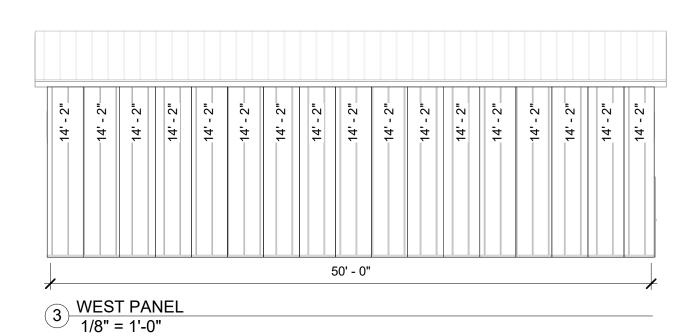
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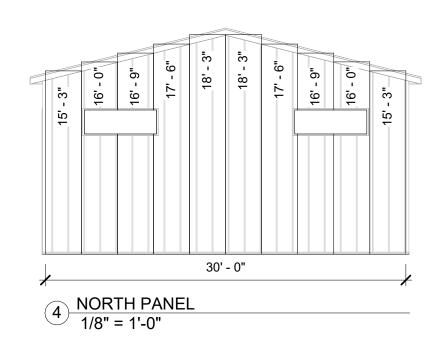
(801) 689-3630

17111LL GOITEBOLL		
Quantity	Panel Height	
9	2' - 2"	
25	14' - 2"	
4	15' - 3"	
2	15' - 11 7/8"	
2	16' - 0"	
4	16' - 8 3/4"	
4	17' - 5 7/8"	
4	18' - 3 1/8"	
	·	









Date: 7/10/2023

ROGER BUHRLEY BLDG

1417 S. 8000 E. Hunstville, UT 84317

Scale: 1/8" = 1'-0"

Drawn by: JDJ

Job: BUHRLEY

Sheet Size: B 17" x 11"

Panel Layouts

A6

(801) 689-3630

BUHRI

ROGER

ACKSON D

SAGERS

13258211

Drawn by: JDJ

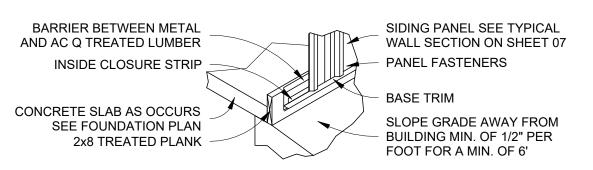
Job: BUHRLEY

Sheet Size: B

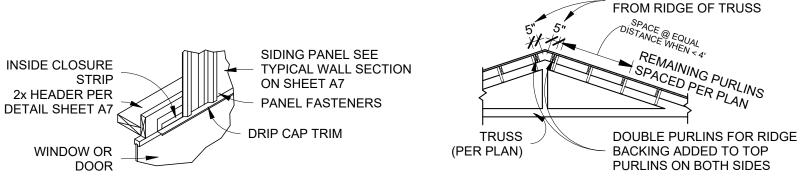
17" x 11"

Details 1

A7



WINDOW/DOOR HEADER FLASHING



T.O. ROOF DETAIL N.T.S.

BASE GUARD FLASHING N.T.S.

WALL GIRT PER FLOOR PLAN (2) 2x6 DF TRIMMERS PANEL FASTENERS MAN DOOR PER SIDING PANEL SEE FLOOR PLAN TYPICAL WALL **SECTION ON SHEET A7**

WALL GIRT PER FLOOR PLAN (2) 2x6 DF TRIMMERS PANEL FASTENERS

WINDOW PER SIDING PANEL SEE FLOOR PLAN TYPICAL WALL SECTION ON SHEET A7

2x6 HEADER 2x6 BLOCKING 2x6 GIRTS (STANDARD) POST (SIZE PER PLAN) WINDOW OPENING

FIRST GIRT SPACING

MAN DOOR JAMB FLASHING N.T.S.

WINDOW JAMB FLASHING N.T.S.

WINDOW OPENING (STANDARD GIRTS)
N.T.S.

BLOCKING

CUT-OUT

L-BRACKET

(2) 2x6 HEADERS

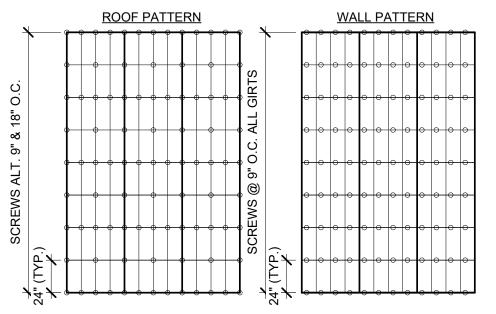
2x6 LAID FLAT (STANDARD)

BETWEEN TRIMMERS

POST (SIZE PER PLAN)

TREATED 2x8 (GREY)

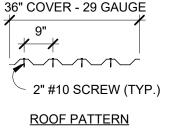
CONCRETE SLAB



ROPER BUILDINGS SCREW PATTERNS

N.T.S.

ROOF & WALL PANELS: 29 GA. AG PANELS FABRAL NAME: GRAND RIB 3 - 3' COVER TRI-STATE NAME: TUFF RIB - 3' COVER

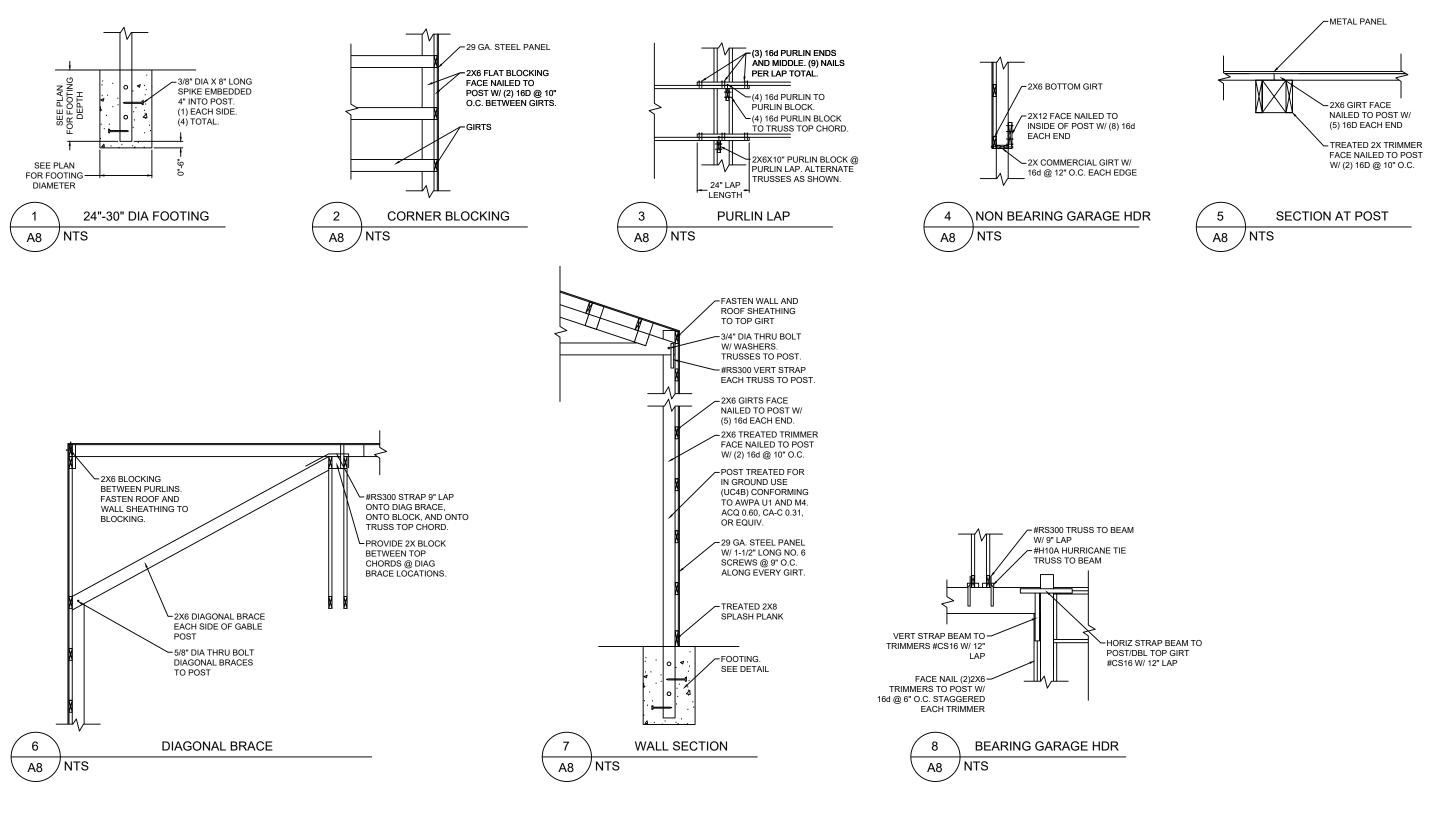




WALL PATTERN

8 MD OPENING N.T.S.

DOOR OPENING





ROPER BUILDINGS / DMLP RESOURCES

(801) 689-3630

ROGER BUHRLEY BLDG.
1417 S. 8000 E.
Hunstville, UT 84317

Date: 7/10/2023

Scale:

Drawn by: JDJ

Job: BUHRLEY

Sheet Size: B 17" x 11"

Details 2

A8

689-3630

(801)

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(J $\overline{\mathbf{m}}$ HW HW BUI $\sum_{i=1}^{n} \sum_{j=1}^{n} a_{ij}$

ROP

CONCRETE FOOTINGS, FOUNDATIONS, AND SLABS

DESIGN CRITERIA:

SEISMIC IMPORTANCE FACTOR (I_F):

SNOW LOAD IMPORTANCE FACTOR (I_S): 0.8

D (ASSUMED)

105 MPH

5056 FT

6.5 (SHEAR WALLS) OR 1.5 (CANTILEVER SYSTEM)

(TRUSSES, PURLINS, METAL)

(POSTS GIRTS METAL)

35 PCF 250 PCF

60 PCF

*SEE NOTES FOR SOIL ASSUMPTIONS AS FOUND IN THE CONCRETE

THICKNESS

7/16"

19/32

3/4" TONGUE

AND GROOVE

MEET THE REQUIREMENTS OF USDOC PS 2.

FOOTINGS & FOUNDATIONS SECTION, THIS PAGE
**ENGINEER ASSUMES STABLE SOIL CONDITIONS. IF THERE ARE ANY

GLOBAL STABILITY CONCERNS, A GEOTECHNICAL REPORT IS REQUIRED.

DIAPHRAGM/SHEATHING SCHEDULE

SPAN RATING

24/16

40/20

48/24

NOTES TO TABLE ABOVE:

1. ROOF AND FLOOR FRAMING MEMBERS SHALL BE PLACED NO FURTHER

NAILS SHALL BE DRIVEN WITH THE HEAD OF THE NAIL FLUSH WITH THE

STRUCTURAL PANELS SHALL BE APA APPROVED, EXPOSURE 1, AND

FLOOR SHEATHING SHALL BE GLUED TO FRAMING MEMBERS PRIOR TO NAILING W/ AN ADHESIVE CONFORMING TO APA SPECIFICATIONS.

STRENGTH AXIS (LONG DIRECTION) OF PANELS SHALL BE ORIENTED PERPENDICULAR TO FRAMING MEMBERS AND PANEL END JOINTS

NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE EDGES OF PANELS

1-1/2" LONG 16 GAGE STAPLES W/ 7/16" CROWN MAY BE SUBSTITUTED

FOR 8d NAILS AT HALF THE SPACING FOR 7/16" PANELS ONLY. CROWN

PANELS SHALL NOT BE LESS THAN 4'X8' EXCEPT AT BOUNDARIES AND

CHANGES IN FRAMING WHERE MINIMUM PANEL DIMENSION SHALL BE

24" UNLESS ALL EDGES OF THE UNDERSIZED PANELS ARE SUPPORTE BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING.

SHALL BE INSTALLED PARALLEL TO FRAMING MEMBERS.

NAILS SHALL BE CARBON STEEL SMOOTH SHANK COMMON OR

GALVANIZED BOX. GALVANIZED NAILS SHALL BE HOT-DIPPED OR

NAII ING

8d @ 6" O.C

8d @ 6" O.C

10d @ 6" O.C.

NAILING

8d @ 12" O.C

8d @ 12" O.C

10d @ 12" O.0

(JOISTS, OSB)

RISK CATEGORY DESIGN RISK CATEGORY

SEISMIC LOADS

SITE CLASS:

ELEVATION:

WIND LOADS V (3 SEC GUST)

SNOW LOADS Pc: 56 PSF

DEAD LOADS

FLOOR:

WALLS: DECKS:

FLOOR:

0 PSF

1.0

38 PSI

38 PSF

CONCRETE: 145 PSF

ACTIVE PRESSURE

PASSIVE PRESSURE

AT-REST PRESSURE

LOCATION

ROOF W/ DESIGN

SNOW LOAD UP TO 40 PSF

ROOF W/ DESIGN

SNOW LOAD UP TO

120 PSF

FLOOR

MECHANICALLY DEPOSITED

SHALL BE STAGGERED

SURFACE OF THE SHEATHING.

4 PSF

10 PSF

3 PSF 10 PSF

20 PSF 40 PSF

(IBC 1806.1, 1806.2, & 1806.3.4)

SOIL LOADS AND VALUES (ASSUMED): SOIL BEARING PRESSURE: 1500 PSF

LATERAL BEARING PRESSURE: 400 PSF/FT

XPOSURE CATEGORY

0.25 0.66

1 05

NOTES:

1. CONCRETE SHALL MEET REQUIREMENTS OUTLINED IN THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI318-19)

2. LOTS SHALL BE GRADED TO DRAIN SURFACE WATER AWAY FROM ALL FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 IN WITHIN THE FIRST 10 FT DISTANCE FROM THE BUILDING

IMPERVIOUS SURFACES (I.E. CONCRETE, ASPHALT) SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING

CONTRACTOR SHALL DAMP PROOF ALL CONCRETE WALLS THAT RETAIN EARTH OR HAVE ENCLOSED USABLE SPACES BY PLACING A BITUMINOUS COATING ON BELOW GRADE EXTERIOR SECTIONS OF FOUNDATION WALL OR WITH ANOTHER APPROVED DAMP PROOFING METHOD AS OUTLINED IN R406 OF THE IRC.

FOUNDATION DRAINAGE SYSTEM IS NOT REQUIRED IF BACKFILLED

WITH WELL-DRAINING BACKFILL OR SAND-GRAVEL MIXTURE SOILS OF GROUP 1 SOILS OF THE UNIFIED SOILS CLASSIFICATION SYSTEM AS SHOWN IN TABLE R405 1 OF THE IRC

ALL CONCRETE WALLS THAT RETAIN EARTH AND ANY FOUNDATION WALLS THAT ENCLOSE USABLE AREAS WITH GROUP ILGROUP IV SOILS OF THE UNIFIED SOILS CLASSIFICATIONS SYSTEM AS SHOWN TABLE R405.1 OF THE IRC SHALL HAVE A FOUNDATION DRAIN. INSTALLED CONSISTING OF A PERFORATED DRAIN PIPE NOT LESS THAN 1' BEYOND THE OUTSIDE EDGE OF THE FOOTINGS AND 6" ABOVE THE TOP OF FOOTING WITH A GRAVEL DRAIN WRAPPED IN AN APPROVED FILTER FABRIC.

ANY FOUNDATION WALLS THAT ENCLOSE USABLE SPACE WITH A HIGH WATER TABLE OR OTHER SEVERE GROUND WATER CONDITIONS SHALL BE WATERPROOFED AS REQUIRED IN SECTION R406.2 OF THE

R WPE ASSUMES STABLE SOIL CONDITIONS CONTACT ENGINEER IF SOIL CONDITIONS DIFFER FROM THOSE ASSUMED. SEE DESIGN CRITERIA FOR ASSUMED VALUES. THESE VALUES SHALL BE REPLACED BY DATA INCLUDED IN A SITE SPECIFIC GEOTECHNICAL REPORT IF AVAILABLE.

CRUSHED ROCK OR GRAVEL FILL WITH RELATIVELY LOW AMOUNTS OF FINES MAY BE USED TO BRING BOTTOM OF FOOTINGS OR SLABS UP TO GRADE WITH A MAXIMUM GRAVEL FILL DEPTH OF 2', GRAVEL OR CRUSHED ROCK FILLS SHALL BE COMPACTED USING A VIBRATORY PLATE COMPACTOR

10. ANY FILL SOILS OR GRAVEL FILL DEEPER THAN 2' THAT SUPPORT FOOTINGS AND FOLINDATIONS SHALL BE DESIGNED BY A LICENSED. GEOTECHNICAL ENGINEER. FILL SOILS SHALL BE INSTALLED, AND TESTED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE

 WHERE QUANTIFIABLE DATA OR OBSERVATIONS INDICATE
 EXPANSIVE, COMPRESSIBLE, SHIFTING, OR OTHER QUESTIONABLE SOIL CHARACTERISTICS OR GEOTECHNICAL HAZARDS ARE LIKELY TO BE PRESENT, THE BUILDING OFFICIAL SHALL DETERMINE WHETHER TO REQUIRE A SITE SPECIFIC GEOTECHNICAL STUDY TO DETERMINE SOIL CHARACTERISTICS OF THE SITE.

12 FROST DEPTH OF FOOTINGS AND MINIMUM FREEBOARD OF FOUNDATION WALLS SHALL BE MET AS SPECIFIED ON SHEET S1.0. NO FOOTINGS IN UNCONDITIONED SPACE SHALL BE CONSTRUCTED SHALLOWER THAN THE MINIMUM FROST DEPTH.

3. CONCRETE SHALL BE BE MECHANICALLY VIBRATED WHEN PLACED TO AVOID HONEYCOMBING ALONG FORMS AND TO HELP CONCRETE FREELY FLOW AROUND REINFORCEMENT.

. CONCRETE SHALL NOT BE DROPPED MORE THAN 5' MAXIMUM DURIN PLACEMENT

15 CONCRETE FOR FOLINDATION WALLS SHALL CURE A MINIMUM OF 7 DAYS AND HAVE INTERIOR SLAB INSTALLED PRIOR TO ANY BACKFILL FOUNDATION WALLS 6' IN HEIGHT AND ABOVE DESIGNED FOR TOP SUPPORT. CONTRACTOR SHALL INSTALL FLOOR OR ROOF
DIAPHRAGM PRIOR TO BACKFILL AND SHALL NOT COMPACT ANY BACKFILL PLACED AROUND THESE WALLS.

16. ALL FOUNDATIONS SHALL HAVE 6" MIN. EXPOSED ABOVE GRADE

17. CONTRACTOR SHALL ROUGHEN COLD JOINT BETWEEN FOOTING AND WALL TO $\frac{1}{4}$ " AMPLITUDE. 18. ALL SLABS ON GRADE SHALL HAVE CONTROL JOINTS IN SLAB AT 15'

O.C. MAXIMUM SPACING.

19. ALL CONCRETE SLABS ON GRADE SHALL BE A MINIMUM OF 4" THICK ON 4" PLATE COMPACTED GRAVEL OR OTHER APPROVED FREE

20. REINFORCING STEEL IN CONCRETE SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SECTION ENTITLED "REINFORCING STEEL"

21. ALL REINFORCEMENT IN CONCRETE SHALL BE PROPERTY TIED AND SECURED PRIOR TO POURING CONCRETE IN SUCH A WAY THAT REINFORCEMENT REMAINS IN DESIGNED LOCATION. VERTICAL REINFORCING STEEL FOR MASONRY CONSTRUCTION MAY BE FLOATED INTO PLACE.

22. ANY COMPONENTS THAT ARE CAST IN PLACE SHALL BE SECURELY PLACED IN THE FORMS (I.E. STRAPS, BOLTS, SLEEVES, ETC.)

23. REINFORCEMENT IN FOUNDATION WALLS SHALL BE CENTERED IN WALL U.N.O. REINFORCEMENT FOR CONCRETE WALLS RETAINING FARTH SHALL BE PLACED WHERE DESIGNED ON PLANS.

24. ENGINEER ASSUMES 2,500 PSI COMPRESSIVE STRENGTH IN STRUCTURAL CONCRETE. THEREFORE CONCRETE FOR FOOTINGS FOUNDATION WALLS, AND SLABS ON GRADE CAN BE EXEMPT FROM SPECIAL INSPECTIONS ACCORDING TO EXEMPTIONS LISTED IN SECTION 1705.3 IN THE IBC UNLESS NOTED OTHERWISI

CONCRETE SPECIFICATIONS

STRUCTURAL ELEMENT	MIN. COMRESSIVE STRENGTH (fc)	AIR CONTENT	W/C RATIO
FOUNDATION WALLS AND FOOTINGS, NOT EXPOSED TO WEATHER	3000 PSI	5%-7% ⁽¹⁾	.55
SLABS (EXCLUDING GARAGE SLABS)	3000 PSI	5%-7% ⁽¹⁾	.55
WALLS, EXPOSED TO WEATHER	3000 PSI	5%-7%	.45
SLABS EXPOSED TO WEATHER (INCLUDING GARAGE AND SUSP SLABS)	3500 PSI	5%-7%	.45

- NOTES TO TABLE ABOVE:

 1. AIR ENTRAINMENT ONLY REQUIRED IN CONCRETE NOT EXPOSED TO WEATHER IF EXPOSED TO FREEZE/THAW DURING CONSTRUCTION.

 1 of IS CONCRETE COMPRESSIVE STRENGTH AT 28-DAYS

- PORTLAND CEMEMT TYPE I/II

 W/C RATIO BASED ON ALL CEMENTITIOUS AND SUPPLEMENTARY CEMENTITIOUS MATERIAL IN CONCRETE MIXTURE.
 CONCRETE SHALL NOT INCLUDE CALCIUM CHLORIDE ADMIXTURE
- NOMINAL MAXIMUM AGGREGATE SIZE OF 3/4" AND SHALL CONFORM CONCRETE MIXTURE MAY HAVE A MAXIMUM OF 25% BY MASS OF FLY
- ASH OR OTHER NATURAL POZZOLANS CONFORMING TO ASTM C618
 SEE SECTION R404.1.3.3.4 (IRC 2021) FOR SLUMP REQUIREMENTS. SLUMP OF CONCRETE SHALL BE ADEQUATE TO PROVIDE

REINFORCING STEEL:

WORKABILITY AROUND REINFORCEMENT

NOTES:

I. PLACEMENT OF REINFORCING STEEL SHALL MEET REQUIREMENTS

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60

REINFORCING STEEL SHALL NOT BE WELDED UNLESS SPECIFIED ON THE PLANS. REINFORCING STEEL THAT IS WELDED SHALL BE ASTM A806 GRADE 60.

REINFORCING WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-185.

ALL REINFORCING STEEL DIMENSIONS SHALL BE TO CENTER OF BAR UNLESS DIMENSION IS SPECIFIED AS "CLEAR" OR "CLR" IN WHICH CASE THE DIMENSION IS TO EDGE OF REBAR EDGE DISTANCE, HOOK AND BEND RADII, AND REBAR LAP LENGTHS

SHALL MEET THE FOLLOWING REQUIREMENTS ON THIS SHEET AND THE REQUIREMENTS IN THE ACI 318. REINFORCING IN FOUNDATION WALLS AND AROUND OPENINGS SHALL

MEET REQUIREMENTS OF THE FOUNDATION SCHEDULE SHOWN ON S1.0 AND THE UTAH AMENDMENT TO THE CODE 15A-3-108. ON CENTER (O.C.) SPACING SHOWN ON PLANS SHALL BE MAXIMUM SPACING ALLOWABLE.

BARS SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS (da) TO MEET DEVELOPMENT LENGTH. DEVELOPMENT LENGTH ASSUMES LINEPOXIED REBAR AND NORMAL WEIGHT CONCRETE CONTACT ENGINEER FOR OTHER CONDITIONS IF NEEDED.

FRAMING

ALL LUMBER SHALL MEET PLANS SPECIFICATIONS AND BE GRADED AND STAMPED BY AN APPROVED AGENCY (I.E. APA, WWPA, ETC.)

BEAMS ON PLAN ARE SIZED AS A MINIMUM LARGER SIZES AND HIGHER GRADES MAY REPLACE MEMBERS ON PLAN. BEAMS CONSISTING OF (4) OR MORE PLYS SHALL BE FASTENED W/
(2) ROWS OF 1/2" DIA THRU BOLTS @ 12" O.C. 2" FROM TOP AND 2"

FROM BOTTOM OF BEAM. HOLES FOR BOLTS SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. A STANDARD CUT WASHER

SHALL BE PROVIDED BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT 5. LEAD HOLES FOR LAG SCREWS SHALL BE BORED AS FOLLOWS A) THE CLEARANCE HOLE FOR THE THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH OF PENETRATION

AS THE LENGTH OF UNTHREADED SHANK. B) THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 40%-70% OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. THE LARGER PERCENTILE SHALL APPLY TO LAG SCREWS OF GREATER DIAMETERS.

POSTS AND WALLS SHALL BE CENTERED ON CONTINUOUS AND SPOT FOOTINGS U.N.O.

 ENGINEERED WOOD RIM BOARDS SHALL CONFORM TO ANSI/APA PRR 410 OR SHALL BE EVALUATED IN ACCORDANCE W/ ASTM D7672. 1. WOOD CONSTRUCTION CONNECTORS SHALL BE INSTALLED PER THE

MANUFACTURER'S SPECIFICATIONS.

GENERAL CONSTRUCTION NOTES:

ALL CONSTRUCTION WORK SHALL FOLLOW THE STANDARDS FOUND IN THE INTERNATIONAL BUILDING CODE (IBC 2021) AND THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (NDS

THE ENGINEERED DRAWINGS PROVIDED HEREIN WERE COMPLETED USING THE PROFESSIONAL STANDARD OF CARE REQUIRED BY THE GOVERNING MUNICIPALITY AND/OR STATE. THESE DRAWINGS, HOWEVER, DO NOT AND CAN NOT PROVIDE EVERY EXPLICIT ELEMENT OR CONDITION OF THE STRUCTURE, AS SUCH, CONTRACTOR SHALL PROVIDE INDUSTRY STANDARD GOOD CARE AND PRACTICE FOR MISCELLANEOUS ELEMENTS NOT SHOWN ON PLANS AND SHALL STRUCTURAL ENGINEERING PROVIDED HEREIN ASSUMES FINAL

CONSTRUCTED CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL INTEGRITY OF UNFINISHED STRUCTURE DURING ALL STAGES OF CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS SHOWN IN DESIGN CRITERIA. CONTRACTOR SHALL PROVIDE BRACING OR SHORING AS NECESSARY TO SUPPORT UNFINISHED STRUCTURE.

WHITE PINE ENGINEERING (WPE) ASSUMES NO LIABILITY FOR THE MEANS AND METHODS OF CONSTRUCTION PRACTICES. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS OF CONSTRUCTION AND FOR JOBSITE SAFETY PER OSHA REGULATIONS
CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING APPROVAL

AND ANY NECESSARY PERMITS FROM THE GOVERNING MUNICIPALITY PRIOR TO BEGINNING OF CONSTRUCTION.

ANY OBSERVATIONS PROVIDED BY WPE DURING CONSTRUCTION SHALL BE CONSIDERED OBSERVATIONS LIMITED TO THE SCOPE REQUESTED, AND NOT FULL INSPECTIONS OR APPROVAL. THE GOVERNING MUNICIPALITY SHALL BE SOLELY RESPONSIBLE FOR INSPECTIONS AND APPROVAL OF FINAL CONSTRUCTION

CONTRACTOR SHALL INFORM ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND CONDITIONS ASSUMED ON THESE PLANS (I.E. DIMENSIONS, MATERIALS, ASSUMED LOADS, ETC).
SHOP DRAWINGS FOR ANY PRE-MANUFACTURED STRUCTURAL

ELEMENTS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONSTRUCTION AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD TO REVIEW IF DIMENSIONS OR OTHER ASPECTS OF SHOP DRAWINGS DIFFER FROM THOSE ON THESE PLANS.

	EXPOSURE CONDITION	BAR SIZE OR MEMBER	REBAR CLR DISTANCE (MIN.)	
	CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ANY	3"	
Γ	EXPOSED TO WEATHER	#5 AND SMALLER	1-1/2"	
	EXPOSED TO WEATHER	#6 AND LARGER	2"	
		#14 AND # 18; SLABS, JOISTS, AND WALLS	1-1/2"	
,	NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	#11 AND SMALLER; SLABS, JOISTS, AND WALLS	3/4"	
,		ALL SIZE BARS; BEAMS, COLUMNS, AND TENSION TIES	1-1/2"	
	NOTES TO TABLE ABOVE: 1. SEE TABLE 20.5.1.3.1 ACI 318-19			

REBAR CONCRETE COVERAGE DISTANCES

2. ALL SLAB ON GRADE REINFORCEMENT SHALL BE CENTERED IN SLAB UNLESS NOTED OTHERWISE

TRUSSES

- PRE-MANUFACTURED TRUSSES SHALL FOLLOW LAYOUT SHOWN ON PLANS. ANY CHANGES IN TRUSS LAYOUT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. CONTRACTOR AND MANUFACTURER SHALL VERIFY CEILING
- HEIGHTS TRAYS VAULTS AND STEPS PRIOR TO CONSTRUCTION
- MULTI PLY TRUSSES OR JOISTS SHALL BE FASTENED PER MANUFACTURER'S SPECIFICATIONS.
- 4. TRUSSES AND JOISTS SHALL BE BRACED PER MANUFACTURER.
 5. NO ALTERATIONS OF TRUSSES OR JOISTS ARE ALLOWED WITHOUT
- APPROVAL FROM MANUFACTURER.

SHEAR WALL SCHEDULE

MARK	SHEATHING	EDGE NAILING	EDGE STAPLING	EDGE MEMBER	FIELD NAILING	FIELD STAPLING	FIELD MEMBER	PLF
SW-6"	7/16" OSB, 1 SIDE	8d @ 6" O.C.	1-1/2" LONG 16 GAUGE @ 3" O.C.	(1) 2X	8d @ 12" O.C.	1-1/2" LONG 16 GAUGE @ 6" O.C.	(1) 2X	240
SW-4"	7/16" OSB, 1 SIDE	8d @ 4" O.C.	1-1/2" LONG 16 GAUGE @ 2" O.C.	(1) 3X OR (2) 2X W/ 16d @ 4" O.C.	8d @ 12" O.C.	1-1/2" LONG 16 GAUGE @ 6" O.C.	(1) 2X	350
SW-3"	7/16" OSB, 1 SIDE	8d @ 3" O.C.	N/A	(1) 3X OR (2) 2X W/ 16d @ 4" O.C.	8d @ 12" O.C.	N/A	(1) 2X	450
SW-2"	7/16" OSB, 1 SIDE	8d @ 2" O.C.	N/A	(1) 3X OR (2) 2X W/ 16d @ 3" O.C.	8d @ 12" O.C.	N/A	(1) 2X	585
(2)SW-4"	7/16" OSB, BOTH SIDES	8d @ 4" O.C.	1-1/2" LONG 16 GAUGE @ 2" O.C.	(1) 3X OR (2) 2X W/ 16d @ 4" O.C.	8d @ 12" O.C.	1-1/2" LONG 16 GAUGE @ 6" O.C.	(1) 2X	700
(2)SW-3"	7/16" OSB, BOTH SIDES	8d @ 3" O.C.	N/A	(1) 3X OR (2) 2X W/ 16d @ 4" O.C.	8d @ 12" O.C.	N/A	(1) 2X	900
(2)SW-2"	7/16" OSB, BOTH SIDES	8d @ 2" O.C.	N/A	(1) 3X OR (2) 2X W/ 16d @ 3" O.C.	8d @ 12" O.C.	N/A	(1) 2X	1170

- NOTES TO TABLE ABOVE:

 1. GIRTS SHALL BE DF-L @ 24" O.C.
- NAILS SHALL BE CARBON STEEL SMOOTH SHANK 8d COMMON OR 8d GALVANIZED BOX. GALVANIZED NAILS SHALL BE HOT-DIPPED OR MECHANICALLY DEPOSITED.

STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16" AND SHALL BE INSTALLED WITH THEIR CROWNS PARALLEL TO THE LONG DIMENSION OF THE FRAMING MEMBERS

- NAILS/STAPLES SHALL BE DRIVEN WITH THE HEAD/CROWN OF THE NAIL/STAPLE FLUSH WITH THE SURFACE OF THE SHEATHING.
 DOUBLE SIDED SHEAR WALLS SHALL HAVE PANEL JOINTS OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. NAILS AT PANEL EDGES SHALL BE STAGGERED
- BLOCK ALL PANEL EDGES. FLAT BLOCKING/GIRTS IS ACCEPTABLE ON SINGLE SIDED SHEAR WALLS. ALL WALLS SHALL FOLLOW SW-6" U.N.O.
 STRUCTURAL PANELS SHALL BE APA APPROVED, EXPOSURE 1, AND MEET THE REQUIREMENTS OF USDOC PS 2.
- NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE PANEL EDGES.

D. PANELS SHALL NOT BE LESS THAN 4'X8' EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING. ALL EDGES OF ALL PANELS SHALL BE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR BLOCKING

> ONAL IACKSON D SAGERS DOW 13258211

Date: 7/10/2023

Drawn by: JDJ

Scale:

Job: BUHRLEY

Sheet Size: B 17" x 11"

Engineering Notes