

**SECTION 009113
ADDENDUM NUMBER 3**

PARTICULARS

1.01 DATE: 10.14.2021

1.02 PROJECT: GRAHAM CREEK AG BUILDING

1.03 OWNER'S PROJECT NUMBER: GCNP-09282.

1.04 OWNER: CITY OF FOLEY

1.05 LANDSCAPE ARCHITECT: WAS DESIGN, INC.

TO: PROSPECTIVE BIDDERS:

2.01 THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND MODIFIES THE ORIGINAL PROCUREMENT DOCUMENTS DATED 09.03.2021, WITH AMENDMENTS AND ADDITIONS NOTED BELOW.

2.02 ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE BID FORM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.

2.03 THIS ADDENDUM CONSISTS OF 24 PAGES.

CHANGES TO PRIOR ADDENDA:

3.01 CHANGES TO ADDENDUM NUMBER 1 - ISSUED 09.20.2021.

3.02 CHANGES TO ADDENDUM NUMBER 2 - ISSUED 10.01.2021.

CHANGES TO THE PROJECT MANUAL - INTRODUCTORY REQUIREMENTS, PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS:

4.01 SECTION 000102 - PROJECT INFORMATION

A. Procurement timetable bid due date changed to 10.26.2021, before 2:00 PM local time.

4.02 SECTION 000100 - TABLE OF CONTENTS

A. Added Addendums 1-3 to the Table of Contents.

4.03 SECTION 000115 - LIST OF DRAWING SHEETS

A. Added LD100 - Demolition Plan, LG100 - Site Grading Plan & AR504 - Building Details to the project's list of drawings.

CHANGES TO DRAWINGS:

5.01 SUMMARY OF CHANGES

A. Document Memorandum, "RFI responses to questions received in writing, Addendum 03" dated 10.13.21, (new).

5.02 THIS ADDENDUM INCLUDES CHANGES TO THE FOLLOWING SHEETS:

A. LC100 - Cover Sheet, dated 10.13.21, (reissued).

B. EC100 - Existing Conditions Plan, dated 10.13.21, (reissued).

C. LD100 - Demolition Plan, dated 10.13.21, (new).

D. SP100 - Site Plan, dated 10.13.21, (reissued).

E. LG100 - Site Grading Plan, dated 10.13.21, (new).

F. GN - General Notes, dated 10.13.21, (reissued).

G. AR500 - Foundation & Roof Plan, dated 10.13.21, (reissued).

H. AR501 - Building Details, dated 10.13.21, (reissued).

I. AR502 - Building Details, dated 10.13.21, (reissued).

J. AR503 - Building Details, dated 10.13.21, (reissued).

K. AR504 - Building Details, dated 10.13.21, (new).

L. M1.0 - HVAC Plan, dated 10.13.21, (reissued).

M. E1.0 - Electrical Notes, Legend & Schedule, dated 10.13.21, (reissued).

N. E1.1 - Electrical Plan, dated 10.13.21, (reissued).

O. P1.0 - Plumbing Schedule & Details, dated 10.13.21, (reissued).

P. P1.1 - Plumbing Plan

END OF SECTION

**SECTION 000102
PROJECT INFORMATION**

PART 1 GENERAL

1.01 PROJECT IDENTIFICATION

- A. Project Name: Graham Creek Ag Building , located at:
- B. Owner's Project Number: GCNP-092821.
23030 Wolf Bay Drive.
Foley, Alabama 36535.
- C. The Owner, hereinafter referred to as Owner: City of Foley
- D. Owner's Representative: Leslie Gahagan .
 - 1. Department: Environmental.
 - 2. Address: 23030 Wolf Bay Drive
 - 3. City, State, Zip: Foley, AL36535.
 - 4. Phone/Fax: 251-923-4267 .
 - 5. E-mail: lgahagan@cityoffoley.org .

1.02 NOTICE TO PROSPECTIVE BIDDERS

- A. These documents constitute an Invitation to Bid to and request for qualifications from General Contractors for the construction of the project described below.
- B. Notice Date: 09-12-21.

1.03 PROJECT DESCRIPTION

- A. Summary Project Description: The project involves the construction of an accessory building within the Ag Center at the Graham Creek Nature Preserve..
- B. Contract Scope: For the project area, the scope will include construction and facility operations during occupancy.
- C. Contract Terms: Lump sum (fixed price, stipulated sum).
- D. The currently utilized premises at the project site are open for examination by bidders during daylight hours.

1.04 PROJECT CONSULTANTS

- A. The Prime Consultant, hereinafter referred to as Landscape Architect (or LA): WAS Design, Inc. .
- B. Landscape Architect's Representative: Dan Majors, Project Manager.
 - 1. Address: 218 N. Alston St.
 - 2. City, State, Zip: Foley, Alabama 36535
 - 3. E-mail: dmajors@was-design.com

1.05 PROCUREMENT TIMETABLE

1.06 PROCUREMENT TIMETABLE

- A. Bid package available: 09-13-2021 .
- B. Mandatory Pre-Bid Meeting: 09-28-2021 at 10 AM local time.
 - 1. Location: City of Foley.
 - 2. Address: 407 E. Laurel Avenue.
 - 3. City, State, Zip: Foley, AL 36535.
- C. Last Request for Substitution Due: 7 days prior to due date of bids.
- D. Last Request for Information Due: 3 days prior to due date of bids.
- E. Bid Due Date: 10-26-2021, before 2 PM local time.
 - 1. Location: City of Foley.
 - 2. Attn: Purchasing Agent
 - 3. Address: 407 E. Laurel Avenue.
 - 4. City, State, Zip: Foley, AL 36535.
- F. Bid Opening: Same time as bid due deadline..
- G. Notice to Proceed: Within 7 days after due date.

- H. Bids May Not Be Withdrawn Until: 30 days after due date.
- I. Contract Time: To be stated in bid documents.
- J. Desired Construction Start: Not later than 7 calendar days after Notice to Proceed.
- K. Required Substantial Completion Date: Not later than 165 calendar days from Notice to Proceed.
- L. Required Final Completion Date: Not later than 180 calendar days from Notice to Proceed.
- M. Completion date is critical due to requirements of Owner's operations.
- N. The Owner reserves the right to change the schedule or terminate the entire procurement process at any time.

1.07 PROCUREMENT DOCUMENTS

- A. Availability of Documents: Complete sets of procurement documents may be obtained:
 - 1. From the project Landscape Architect via email request to the Project Manager's address listed above.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

**SECTION 000110
TABLE OF CONTENTS**

PROCUREMENT AND CONTRACTING REQUIREMENTS

1.01 DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- A. 000101 - Project Title Page
- B. 000102 - Project Information
- C. 000103 - Project Directory
- D. 000107 - Seals Page
- E. 000110 - Table of Contents
- F. 000115 - List of Drawing Sheets
- G. 004000 - Procurement Forms and Supplements
- H. 004100 - Bid Form
- I. 004301 - Bid Form Supplements Cover Sheet
- J. 004323 - Alternates Form
- K. 005000 - Contracting Forms and Supplements
- L. 007200 - General Conditions
- M. 009111 - Addendum Number 1
- N. 009112 - Addendum Number 2
- O. 009113 - Addendum Number 3

SPECIFICATIONS

2.01 DIVISION 01 -- GENERAL REQUIREMENTS

- A. 011000 - Summary
- B. 012000 - Price and Payment Procedures
- C. 012500 - Substitution Procedures
- D. 013000 - Administrative Requirements
- E. 013216 - Construction Progress Schedule
- F. 014000 - Quality Requirements
- G. 014100 - Regulatory Requirements
- H. 014216 - Definitions
- I. 014219 - Reference Standards
- J. 015000 - Temporary Facilities and Controls
- K. 016000 - Product Requirements
- L. 017000 - Execution and Closeout Requirements
- M. 017419 - Construction Waste Management and Disposal
- N. 017800 - Closeout Submittals
- O. 017900 - Demonstration and Training

2.02 DIVISION 02 -- EXISTING CONDITIONS
2.03 DIVISION 03 -- CONCRETE
2.04 DIVISION 04 -- MASONRY
2.05 DIVISION 05 -- METALS
2.06 DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES
2.07 DIVISION 07 -- THERMAL AND MOISTURE PROTECTION
2.08 DIVISION 08 -- OPENINGS
2.09 DIVISION 09 -- FINISHES
2.10 DIVISION 10 -- SPECIALTIES
2.11 DIVISION 11 -- EQUIPMENT
2.12 DIVISION 12 -- FURNISHINGS
2.13 DIVISION 13 -- SPECIAL CONSTRUCTION
2.14 DIVISION 14 -- CONVEYING EQUIPMENT
2.15 DIVISION 21 -- FIRE SUPPRESSION
2.16 DIVISION 22 -- PLUMBING
2.17 DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)
2.18 DIVISION 25 -- INTEGRATED AUTOMATION
2.19 DIVISION 26 -- ELECTRICAL
2.20 DIVISION 27 -- COMMUNICATIONS
2.21 DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY
2.22 DIVISION 31 -- EARTHWORK
2.23 DIVISION 32 -- EXTERIOR IMPROVEMENTS
2.24 DIVISION 33 -- UTILITIES
2.25 DIVISION 34 -- TRANSPORTATION
2.26 DIVISION 40 -- PROCESS INTEGRATION
2.27 DIVISION 46 -- WATER AND WASTEWATER EQUIPMENT
END OF SECTION

**SECTION 000115
LIST OF DRAWING SHEETS**

**LC100 - COVER SHEET
EC100 - EXISTING CONDITIONS PLAN
LD100 - DEMOLITION PLAN
SP100 - SITE PLAN
LG100 - SITE GRADING PLAN
ER100 - EROSION AND SEDIMENTATION CONTROL PLAN
GN - GENERAL NOTES
AR500 - FOUNDATION & ROOF PLAN
AR501 - BUILDING DETAILS
AR502 - BUILDING DETAILS
AR503 - BUILDING DETAILS
AR504 - BUILDING DETAILS
M1.0 - HVAC PLAN
E1.0 - ELECTRICAL NOTES, LEGEND & SCHEDULE
E1.1 - ELECTRICAL PLAN
P1.0 - PLUMBING SCHEDULE & DETAILS
P1.1 - PLUMBING PLAN**

END OF SECTION

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RFI Responses

To: Bidders
From: Dan Majors
Date: October 13, 2021

Job Name: Graham Creek Ag Building
WAS Job #: 216003-017
Job Phase: BID

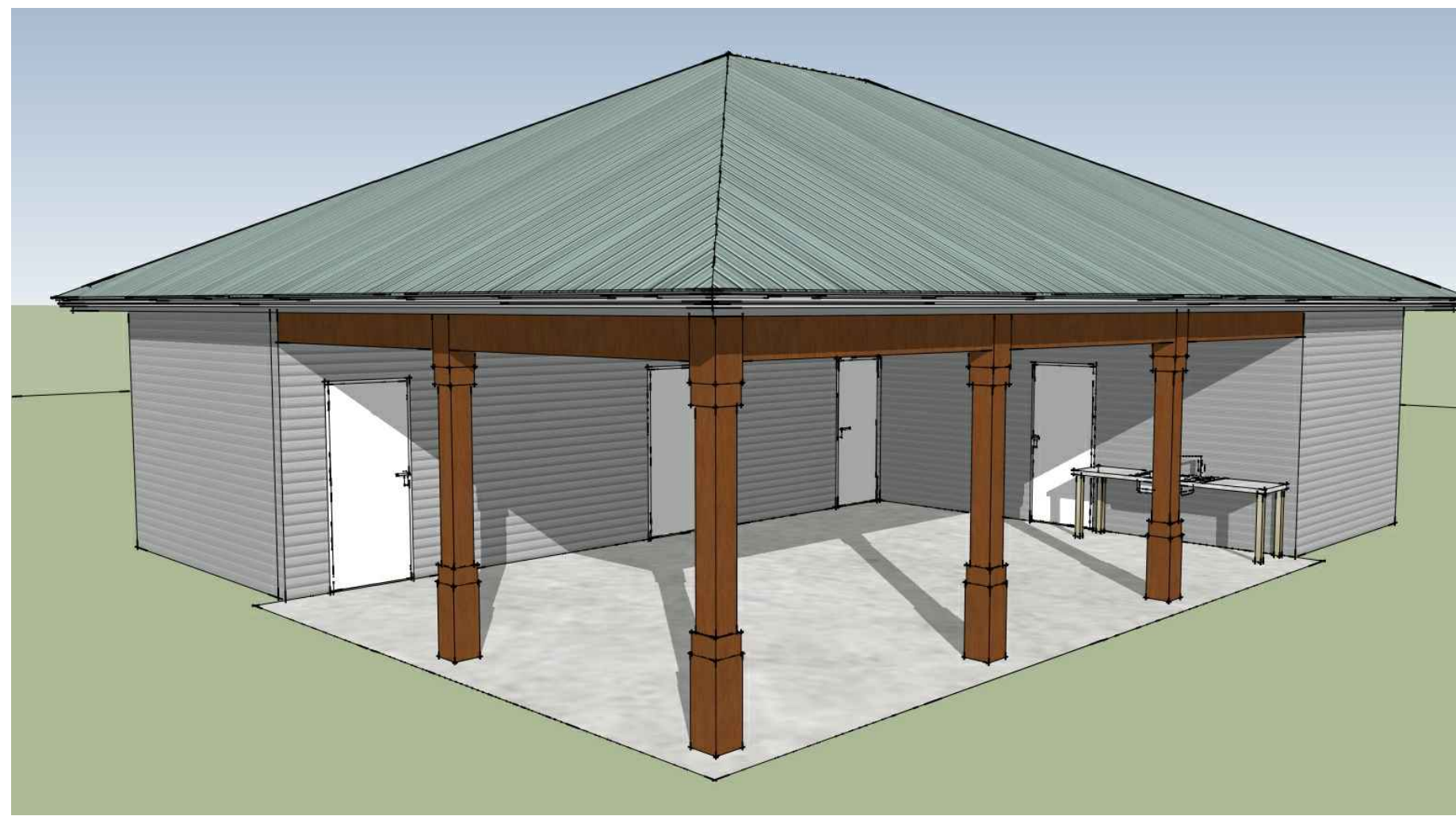
Re: Graham Creek Ag Building - RFI responses to questions received in writing, Addendum 03

- 1) Is the GC responsible for the building pad? If so, what is the elevation of the existing ground and what will the FFE be?
 - a) Yes, the GC is responsible for the building pad. A Site Grading Plan (LG100) has been added to the plan set that includes the FFE along with site grading to be performed surrounding the building.
- 2) Will the GC be responsible for clearing and grubbing the initial 12" of the existing ground?
 - a) Yes. Refer to sheet LD100 for the area to be cleared and grubbed along with the proposed stockpile location for the removed soil.
- 3) Drawing SP100 shows a "proposed gate". Is the GC responsible for a new gate?
 - a) No. The "Proposed Gate" note has been removed to eliminate confusion.
- 4) Will the GC be responsible for carrying any of the water, sewer or electrical beyond 5' outside the building footprint?
 - a) Yes. The Site Plan (SP100) shows the approximate utility locations including the approximate tie-in locations.
- 5) Is there a door schedule available?
 - a) Yes. A door schedule has been added to sheet AR503.
- 6) Is there a window schedule available?
 - a) Yes. A window schedule has been added to sheet AR503.
- 7) What type of flooring will be installed?
 - a) The flooring will be stained concrete. Refer to the room finish schedule on sheet AR503 for details.
- 8) Is there any insulation on this project (walls & roof)?
 - a) Yes. Insulation specification is included in the general notes section of the general notes sheet (GN).
- 9) Is the GC responsible for the cabinets? If so, what are the materials, dimensions, etc?
 - a) No, the GC is not responsible for cabinetry. Cabinetry and furniture has been removed from the floor plan to eliminate confusion.
- 10) The floor plan on Drawing AR503 states that the water heater and shower are provided by others. Are they provided by others or the GC?
 - a) The GC is to provide the water heater and shower. The specifics are listed on sheet P1.0.
- 11) The floor plan on Drawing AR503 states to coordinate the necessary drainage, electrical, plumbing, venting and foundation for the walk-in cooler. More information is required in order to coordinate this work.
 - a) The GC is responsible for purchasing & installing the walk-in cooler. The cooler specifications are included on sheet AR503. The necessary connections are included on sheets E1.1 & P1.1.
- 12) Is the GC responsible for the washing machine and dryer shown on the floor plan?
 - a) No. GC is only required to provide the necessary connections shown on the plumbing & electrical plans.
- 13) Will a toilet partition door be required for the toilet?
 - a) No. The utility room layout was adjusted to include a toilet room that is ADA accessible.
- 14) Will storage shelving be required in the closet?
 - a) No. The GC is not required to install any shelving for this project.

- 15) Are bathroom accessories required? If so, what are the specifications and counts?
 - a) Yes. Sheet AR504 includes a bathroom accessory schedule that lists the accessories and who is responsible for installation.
- 16) The light fixture schedule states that the ceiling fans will be provided by the owner. Is this correct?
 - a) No. The GC is responsible for providing and installing the ceiling fans. Refer to sheet E1.0 for details.
- 17) Who is responsible for pulling the data / cable drops and making the terminations.
 - a) The GC is responsible for wiring the building with the data / cable drops as shown on page E1.1.
- 18) What are the dates for construction to start?
 - a) Desired construction start date is not later than 7 calendar days after Notice to Proceed as listed on page 000102-2 of the project manual.
- 19) Should we include any demo of existing structures or are they staying? Storage, Fence etc.?
 - a) Refer to Demolition Plan (LD100) for all required demolition.
- 20) Would it be an option to push the bid date back 1 week?
 - a) Addendum 2 was issued on October 1, 2021 which listed the new bid date as October 19, 2021 no later than 2:30 p.m. local time.
- 21) Please provide a civil drawing showing grades and the new building elevations.
 - a) Refer to the Site Grading Plan (LG100) for the FFE and grading surrounding the building.
- 22) Please advise if and what termite treatment would be required.
 - a) Termite treatment is listed on the General Notes sheet.
- 23) According to note 8/AR500 of the bid documents, Kemiko Stone Tone Stain (Cola) is specified to be applied to interior flooring surfaces. Please confirm that this is the only product that will be applied and that a sealer or any additional coatings will not be required.
 - a) Kemiko stain & sealer is required. Refer to the room finish schedule on sheet AR503 for full details.
- 24) According to note 15/AR501 of the bid documents, subgrade is to be at least 95% of modified proctor density however a geotech report has not been provided for the existing soil. Please advise the density of existing soil and if the site will need to be undercut. If the site is to be undercut please advise depth of undercut.
 - a) Yes. Refer to sheet LD100 for the area to be undercut.
- 25) Per conversation at pre-bid, please advise if it would be acceptable to install 1x12 hardie at eaves/soffit in lieu of installing lap siding to roof deck.
 - a) Yes. Hardie Trim will need to be added between the rafter tails. Refer to Building Wall Details on sheet AR501 for details.
- 26) Per conversation at pre-bid, please advise if it would be acceptable to stick frame the roof system in lieu of installing prefabricated trusses.
 - a) No. The structural engineer advised that trusses are preferred for this building.
- 27) According to note 9/AR501 of the bid documents, v-groove soffit denote. Would it be acceptable to install T1-11 in lieu of the v-groove?
 - a) Yes. The drawings have been updated to represent this change. Refer to Building Wall Details on sheet AR501 for details.
- 28) Please confirm that all tap fees are by the owner.
 - a) There are no tap fees for this project. Refer to the Site Plan for additional utility information.
- 29) Please provide a site plan depicting where utilities are to be tied in.
 - a) The Site Plan (SP100) has been updated with utility tie-in information.
- 30) Is attic ventilation required?
 - a) Yes. Attic ventilation requirements are listed on the General Notes sheet (GN).
- 31) Is soffit required?
 - a) No. Refer to Building Wall Details on sheet AR501 for exposed rafter details.

A Landscape Development Plan for Graham Creek Ag Area Building

Foley, Alabama



Prepared for
Graham Creek Nature Preserve
23030 Wolf Bay Drive, Foley, AL 36535

Prepared by



PROJECT SUMMARY

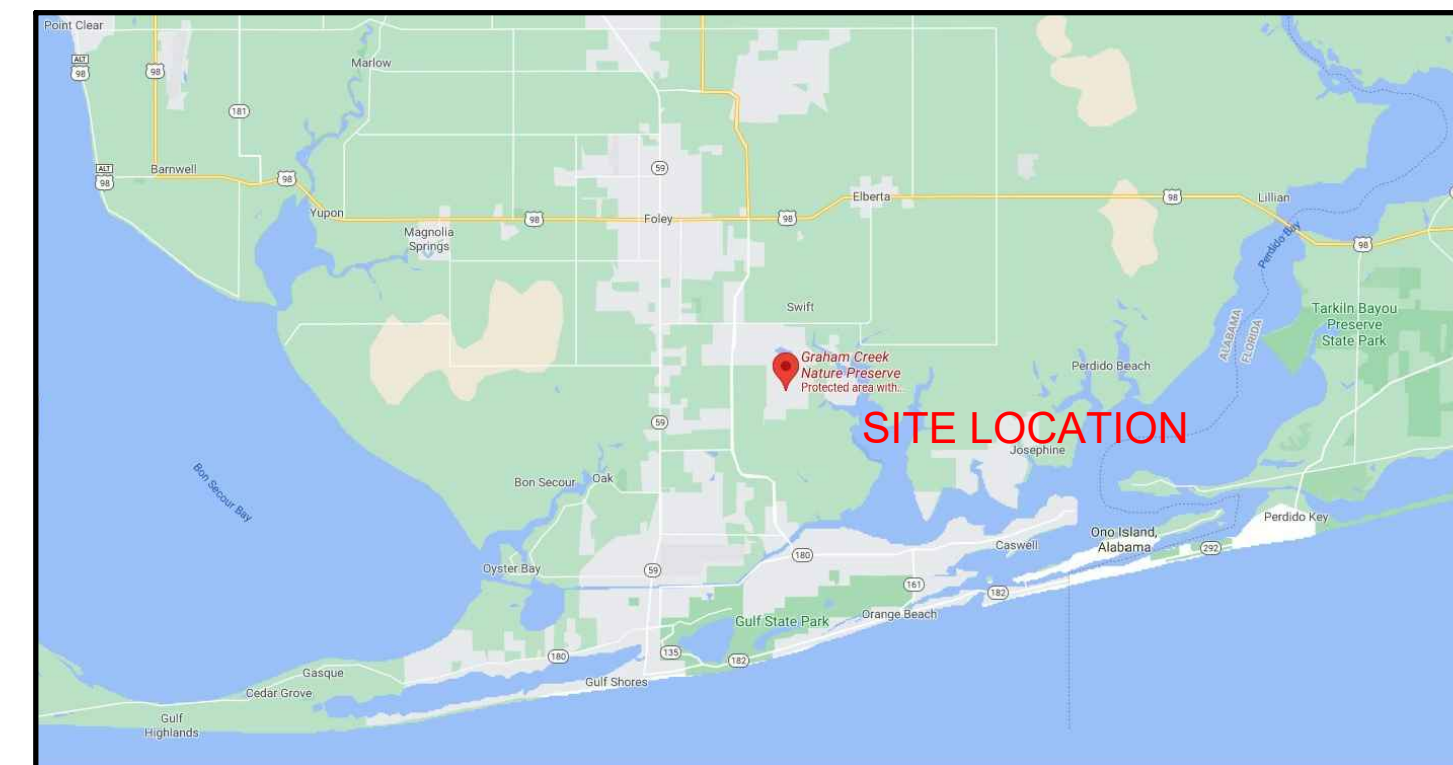
THE PROJECT DESCRIBED ON THIS DRAWING IS A LANDSCAPE DEVELOPMENT PROJECT THAT COVERS WORK DESCRIBED AS:

- AGRICULTURE BUILDING

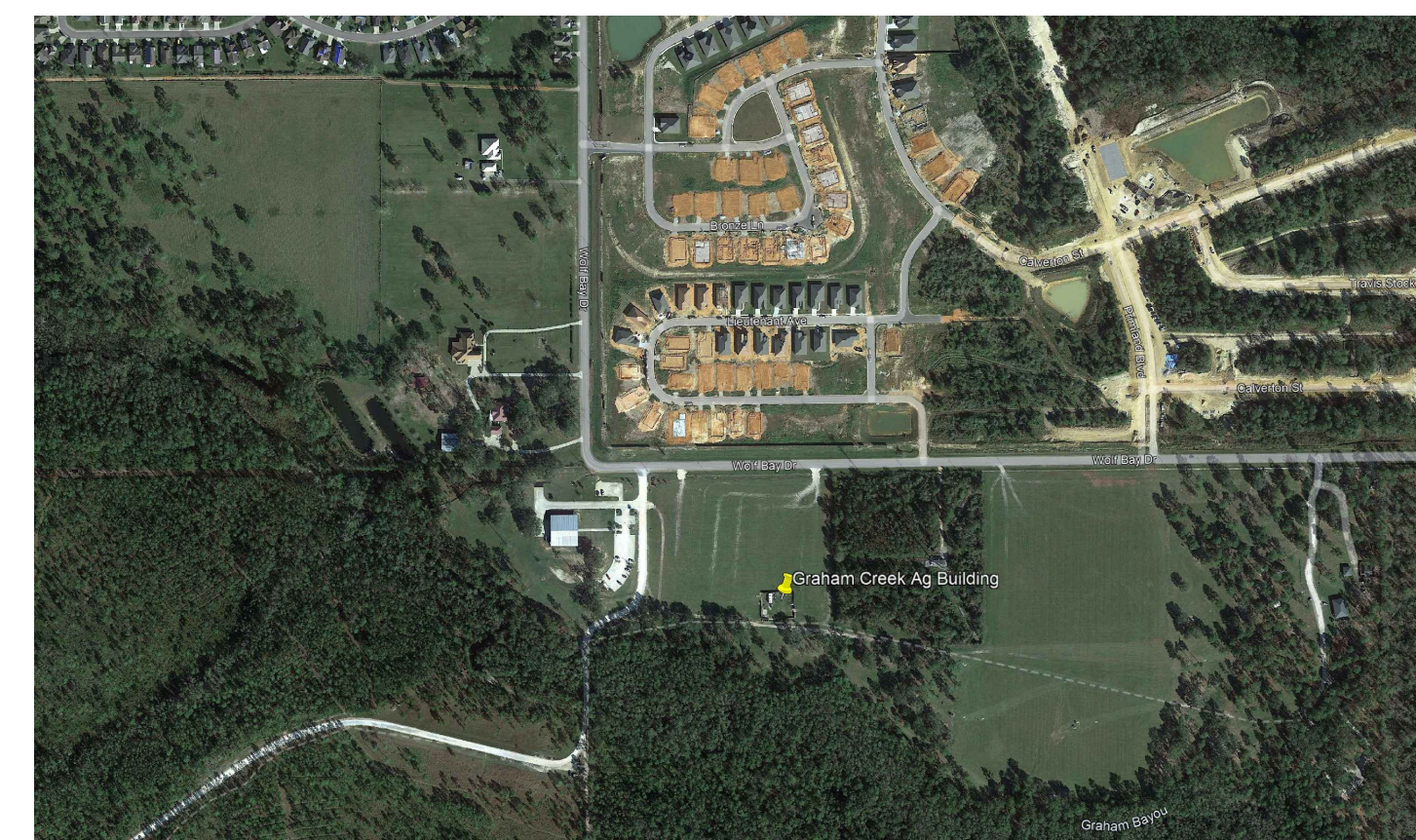
WORK WILL BE COMPETITIVELY BID WITH THE OWNER DETERMINING THE WINNING SUBCONTRACTOR AT THEIR SOLE DISCRETION. THE CONTRACT AMOUNT SHALL BE BASED UPON A STIPULATED SUM THAT IS INDICATED ON THE PROJECT'S BID FORM. THE WORK AGREEMENT SHALL BE BETWEEN THE SELECTED CONTRACTOR AND THE PROJECT OWNER. THE OWNER HAS RETAINED THE SERVICES OF WAS DESIGN, INC. TO ASSIST IN CONSTRUCTION OBSERVATION AND CONTRACT ADMINISTRATION.

Sheet List Table

Sheet Number	Sheet Title
LC100	COVER SHEET
EC100	EXISTING CONDITIONS PLAN
LD100	DEMOLITION PLAN
SP100	SITE PLAN
LG100	SITE GRADING PLAN
GN	GENERAL NOTES
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AR504	BUILDING DETAILS
M1.0	HVAC PLAN
E1.0	ELECTRICAL NOTES, LEGEND, & SCHEDULE
E1.1	ELECTRICAL PLAN
P1.0	PLUMBING SCHEDULE & DETAILS
P1.1	PLUMBING PLAN



SITE LOCATION MAP



PROJECT LOCATION MAP

GENERAL NOTES

BASE DATA NOTES
BASE PLAN DATA IS BASED ON THE BEST AVAILABLE AND PROVIDED DATA. MINOR FIELD ADJUSTMENTS ARE EXPECTED. MAJOR FIELD ADJUSTMENTS SHOULD BE APPROVED BY THE OWNER'S REPRESENTATIVE.

CONSTRUCTION NOTES

1. CONSTRUCTION STAKE-OUT IS THE RESPONSIBILITY OF THE CONTRACTOR. ELEMENTS ARE TO BE STAKED IN THE FIELD BY THE CONTRACTOR FOR REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY CONFLICTS IN FIELD THAT MAY ARISE, CONTRACTOR IS TO MAKE BEST JUDGEMENT DURING FIELD STAKE-OUT & COORDINATE WITH OWNER'S REPRESENTATIVE/LA FOR APPROVAL.
2. ALL HARDSCAPE MATERIALS & COLORS ARE TO BE APPROVED BY OWNER.
3. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
4. CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITY IN SUCH A MANNER AS TO MINIMIZE THE AREA OF DISTURBED EARTH AT THE END OF EACH WORK DAY.

DISTURBED AREAS
AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL RECEIVE SOD OR MULCH AS NECESSARY AND SHOULD BE RETURNED TO 'BETTER THAN WHEN THE WORK STARTED' CONDITION.

QUANTITY TAKEOFF DISCLAIMER
QUANTITIES NOTED ON PLANS ARE OFFERED AS A CONVENIENCE TO THE CONTRACTOR FOR BID PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.

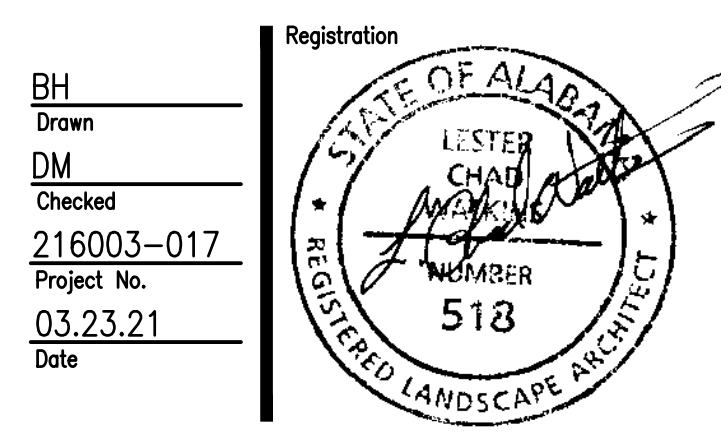
ABBREVIATION LEGEND

ALUM	ALUMINUM	LP	LOW POINT
AC	ACRES	LT	LEFT
ACCP	ASPHALT-COATED CORRUGATED METAL PIPE	LN	LINEAR
ACP	ASBESTOS CEMENT PIPE	LF	LINEAR FEET
APPROX	APPROXIMATE(LY)	LC	LANDSCAPE CONTRACTOR
B&B	BALLED AND BURLAPPED	LA	LANDSCAPE ARCHITECT
BC	BOTTOM OF CURB	M	METER
BIT	BITUMINOUS	MAX	MAXIMUM
BM	BENCHMARK	MH	MANHOLE
BLDG	BUILDING	MIN	MINIMUM
BS	BOTTOM OF SLOPE	MISC	MISCELLANEOUS
BVC	BEGINNING OF VERTICAL CURVE	MON	MONUMENT
BW	BOTH WAYS	N	NORTH
CAL	CALIPER	NIC	NOT IN CONTRACT
CB	CATCH BASIN	NTS	NOT TO SCALE
CI	CAST IRON	NO	NUMBER
CIR	CIRCULAR	NOM	NOMINAL DIMENSION
CL	CENTERLINE	OC	ON CENTER
CLF	CHAIN-LINK FENCE	OD	OUTSIDE DIAMETER
CO	CLEANOUT	PA	PLANTING AREA
CM	CENTIMETER	PCP	POROUS CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE PIPE
COL	COLUMN	PC	POINT OF CURVATURE
CONC	CONCRETE	PCC	POINT OF COMPOUND CURVATURE
CONTR	CONTRACTOR	PL	PROPERTY LINE
COR	CORNER	P-VC	POINT OF VERTICAL CURVATURE
C/S	CROSS SLOPE	PVT	POINT OF VERTICAL TANGENT
C/W	CONNECTED WITH	PT	POINT OF TANGENT
CF	CUBIC FEET	R	RADIUS
CY	CUBIC YARD	RCP	REINFORCED CONCRETE PIPE
D	DEGREE OF CURVATURE	ROW	RIGHT OF WAY
DETL	DETAIL	RT	RIGHT
DMH	DROP MANHOLE	REQD	REQUIRED
DF	DRINKING FOUNTAIN	REV	REVISION
DIM	DIMENSION	REINF	REINFORCED
DIA	DIAMETER	SAN	SANITARY
DWG	DRAWING	SECT	SECTION
DEP	DEPARTURE	SH	SHEET
DIR	DIRECTED	S	SOUTH
-E-	ELECTRICAL	SI	STORM INLET
E	EAST	-ST-	STORM SEWER
EA	EACH	-SAN-	SANITARY SEWER
EC	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATIONS OR SPECIFIED
EL	ELEVATION	ST'L	STEEL
EAP	EXPOSED AGGREGATE PAVING	SQ	SQUARE
EVC	END OF VERTICAL CURVE	SF	SQUARE FOOT
ENGR	ENGINEER	SY	SQUARE YARD
EX	EXISTING	STA	STATION
EXP	EXPANSION	S/S	STAINLESS STEEL
EW	END WALL	-T-	TELEPHONE
ES	END SECTION	T	TANGENT
FFE	FINISHED FLOOR ELEVATION	TC	TOP OF CURB
FG	FINISHED GRADE	TE	TAPERED END
FIN	FINISH	TCP	TERRA-COTTA PIPE
FL	FLOOR	T&S	TONGUE AND GROOVE
FH	FIRE HYDRANT	TW	TOP OF WALL
FL	FLOW LINE	TS	TOP OF SLOPE
FSD	FULL-SIZED DETAIL	TWP	TOWNSHIP
FTG	FOOTING	TYP	TYPICAL
FT	FOOT OR FEET	UD	UNDERDRAIN
-G-	GAUGE	USGS	US GEOLOGICAL SURVEY
GAL	GALLON	VC	VERTICAL CURVE
GALV	GALVANIZED	VAR	VARIABLE, VARIABLE
GC	GENERAL CONTRACTOR	VERT	VERTICAL
GR	GUARD RAIL	VCP	VITRIFIED CLAY PIPE
GD	GRADE	-W-	WEST
GV	GAS VALVE	W	WITH
HB	HOSE BIB	W/O	WITHOUT
HW	HEAD WALL	WWM	WOVEN WIRE MESH
HP	HIGH POINT	WV	WATER VALVE
HT	HEIGHT	YD	YARD DRAIN
HOR	HORIZONTAL		
HWY	HIGHWAY		
ID	INSIDE DIAMETER		
IN	INCH	Ø	ROUND DIAMETER
INL	INLET	⊙	AT
INV	INVERT	'	FEET
JB	JUNCTION BOX	"	INCHES
L	LENGTH OF CURVE	#1	NUMBER
LAT	LATITUDE	1#	POUND



A Landscape Development Plan for
Graham Creek Ag Area Building
Foley, Alabama

Revisions	
No.	Date
03.31.21	FOR CLIENT REVIEW
04.09.21	FOR CLIENT REVIEW
07.26.21	BID SET
10.13.21	ADDENDUM NO. 3

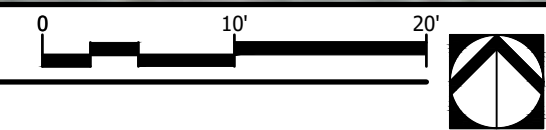


Sheet Title

COVER SHEET

Sheet No.
LC100





A Landscape Development Plan for
Graham Creek Ag Area Building
Foley, Alabama

Revisions	
No.	Date
03.31.21	FOR CLIENT REVIEW
04.09.21	FOR CLIENT REVIEW
07.26.21	BID SET
10.13.21	ADDENDUM NO. 3

Registration
 Drawn: BH
 Checked: DM
 Project No.: 216003-017
 Date: 03.23.21

REFERENCE NOTES SCHEDULE

SYMBOL	DEMOLITION DESCRIPTION	QTY
D-101	REMOVE TOP 12" OF EXISTING SOIL FOR BUILDING PAD. CREATE STOCKPILE OF SOIL AS INDICATED ON PLANS FOR FUTURE TOPSOIL REUSE.	1,584 SF
D-102	REMOVE EXISTING PERSIMMON TREE. DISPOSE OF OFFSITE, LEGALLY.	1
D-103	REMOVE EXISTING GRINDER PUMP & EQUIPMENT WITHOUT DAMAGE. PLACE ASIDE & PROTECT FOR REUSE. RE: PLUMBING PLANS FOR PROPOSED REINSTALLATION LOCATION.	1
D-104	PROPOSED WATER TIE-IN LOCATION. REMOVE EXISTING HOSE BIBS & STAND PIPE. CONTRACTOR TO FIELD VERIFY LOCATION.	1
D-105	REMOVE ABANDONED SEWER LINE BACK TO FUTURE TIE IN LOCATION NEAR FENCE. RE: SP100. APPROXIMATE LENGTH SHOWN AS REFERENCE ONLY. CONTRACTOR TO COORDINATE & VERIFY.	35 LF



A Landscape Development Plan for
Graham Creek Ag Area Building
Foley, Alabama

Revisions	
No.	Date
	Revisions / Submissions
03.31.21	FOR CLIENT REVIEW
04.09.21	FOR CLIENT REVIEW
07.26.21	BID SET
10.13.21	ADDENDUM NO. 3

Registration

BH
Drawn

DM
Checked

216003-017
Project No.

03.23.21
Date

Sheet Title

DEMOLITION PLAN

REFERENCE NOTES SCHEDULE			
SYMBOL	03 CONCRETE DESCRIPTION	QTY	DETAIL
03-01	SIDEWALK, 3,000 PSI CONCRETE, NATURAL BROOM FINISH	229 SF	3/AR504

SITE UTILITIES NOTE

- FEES – TAP FEES ARE NOT REQUIRED AS ALL UTILITY SERVICES ARE AVAILABLE NEAR THE SITE CURRENTLY FOR USE FOR THIS PROJECT.
- POWER, FOR INFORMATION PURPOSES: EXISTING OVERHEAD POWER FROM POLE TO METER IS BEING CONVERTED TO UNDERGROUND POWER BY RIVIERA UTILITIES FOR THIS PROJECT AND PROJECT AREA. POWER FOR THIS PROJECT WILL BE RUN FROM TRANSFORMER TO THE METER LOCATED ON THIS BUILDING. RE: ELECTRICAL DWGS.
- POWER COORDINATION WITH HYDROPONICS BUILDING: HYDROPONICS BUILDING TO BE SERVED INITIALLY BY EXISTING METER. AG BUILDING POWER METER TO SERVE HYDROPONICS BUILDING IN FUTURE. POWER SERVICE FOR AG BUILDING TO PROVIDE CAPACITY TO SERVE BOTH BUILDINGS. RE: ELEC. DWGS FOR DISTRIBUTION AND PANEL CAPACITIES.

DATA TO BE WIRELESSLY TRANSMITTED TO NEW BUILDING BY CITY IT DEPARTMENT UPON PROJECT COMPLETION.



A Landscape Development Plan for
Graham Creek Ag Area Building
Foley, Alabama

Revisions	
No.	Revisions / Submissions
03.31.21	FOR CLIENT REVIEW
04.09.21	FOR CLIENT REVIEW
07.26.21	BID SET
10.13.21	ADDENDUM NO. 3

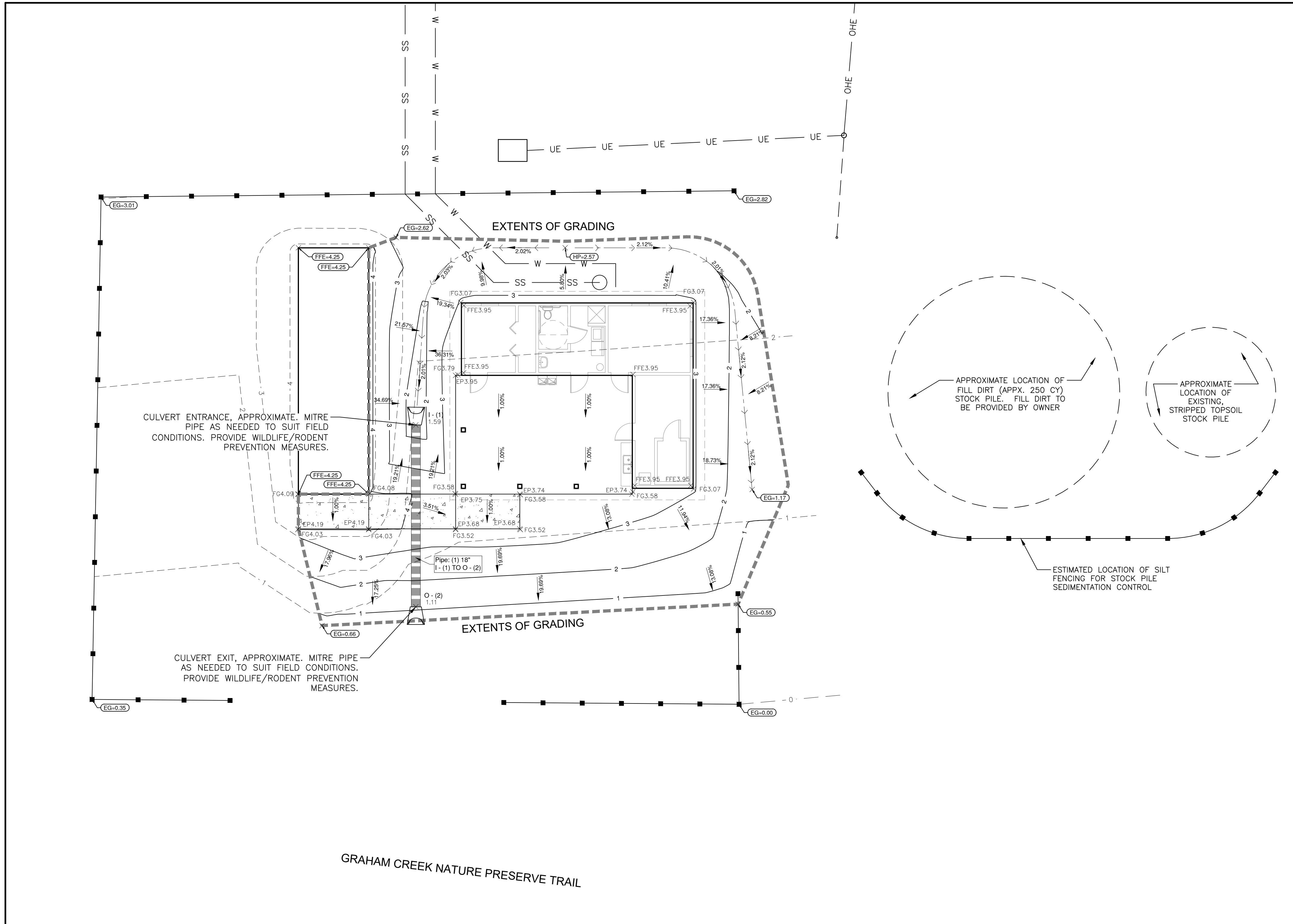
Registration

BH
Drawn
DM
Checked
216003-017
Project No.
03.23.21
Date

STATE OF ALABAMA
LESTER CHAD MENDENHALL
REGISTERED LANDSCAPE ARCHITECT
NUMBER 518

GRADING LEGEND

- = DIRECTION OF SURFACE DRAINAGE FLOW ROUTE
- = SPOT ELEVATION (PROPOSED)
- = SPOT ELEVATION (EXISTING)
- = DRAIN: 4" DOWNSPOUT CONNECT (I-#)
- = DRAIN: 9" NDS FLAT INLET (I-#) P# 970S
- = DRAIN: 9" ATRIUM INLET (I-#) P# 991
- = DRAIN: OUTLET (O-#)
- = DRAIN CONNECTION: FITTINGS ETC. (F-#)
- = FLOW LINE
- = RIDGE LINE / BREAK LINE
- = STORM PIPE
- = EXTENTS OF GRADING
- = FIRE HYDRANT
- BS = BOTTOM OF STEPS
- BC = BOTTOM OF CURB
- BW = BOTTOM OF WALL
- CE = COPING ELEVATION
- EG = EXISTING GRADE
- EP = EDGE OF PAVEMENT
- FFE = FINISH FLOOR
- FG = FINISHED GRADE
- FS = FINISHED SURFACE
- FL = FLOW LINE
- GB = GRADE BREAK
- HP = HIGH POINT
- I (#) = DRAIN INLET
- INV = INVERT ELEVATION
- LP = LOW POINT
- MH = MANHOLE
- RIM = RIM ELEVATION
- TC = TOP OF CURB
- TF = TOP OF FOOTING
- TG = TOP OF GRATE
- TS = TOP OF STEPS
- TW = TOP OF WALL
- WE = TOP OF WATER



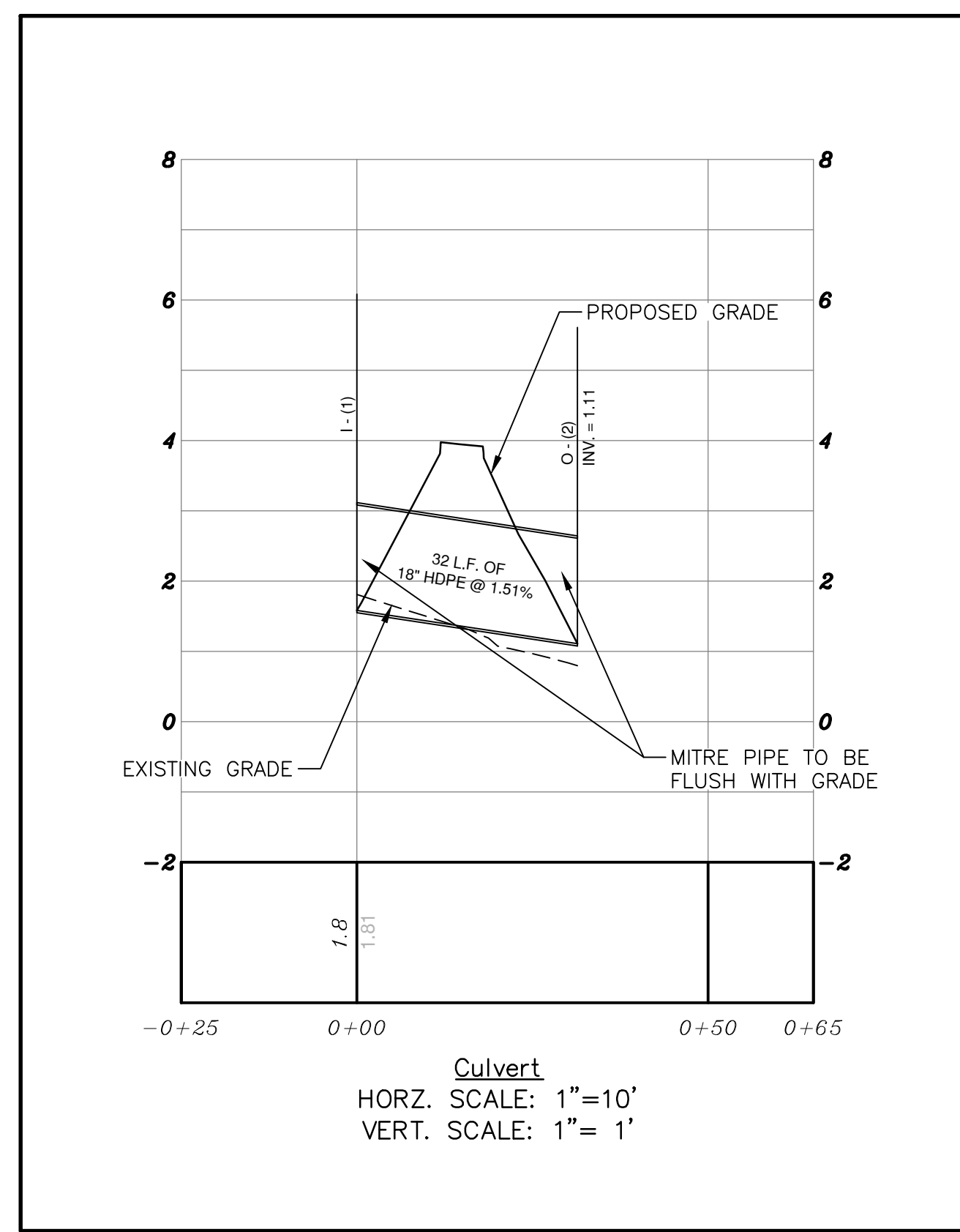
1 SITE GRADING PLAN
Scale: 1" = 10'

GENERAL NOTES

ALL SPOT ELEVATIONS SHOT BY WAS ARE GRAPHICALLY SHOWN AT AN INCORRECT ELEVATION ABOVE SEA LEVEL TO EMPHASIZE THE RELATIVITY OF THE POINTS. TRUE SPOT ELEVATIONS MAY VARY. CONTRACTOR TO VERIFY. SPOT ELEVATIONS & SLOPES SHOWN ARE INTENDED TO RELAY DESIGN INTENT AND ARE MEANT TO CONFORM TO TRUE SITE CONDITIONS & COMPLY TO ALL ADA STANDARDS. CONTRACTOR TO DIRECT ALL QUESTIONS REGARDING GRADING & SLOPES TO THE LA.

FILL DIRT NOTES

OWNER TO PROVIDE FILL DIRT STOCK PILE. FILL DIRT STOCK PILE VOLUME TO BE APPROXIMATELY 250 CY. STRIPPED TOPSOIL PILE TO BE USED FOR TOP 2" MIN. OF PROPOSED GRADING.



2 PIPE PROFILE
Scale: 1" = 20'

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Foley, Alabama



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Drawn: BH
 Checked: DM
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 Date: 03.23.21

Registration
 STATE OF ALABAMA
 REGISTERED LANDSCAPE ARCHITECT
 518

SITE GRADING PLAN

Sheet No. **LG100**

GENERAL NOTES

- ALL DESIGN (INCLUDING WIND LOADS) AND CONSTRUCTION SHALL COMPLY WITH THE INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS, LOCAL CODES, ORDINANCES, AND AMENDMENTS. THE DESIGN CRITERIA FOR ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE CODE.
- APPLICABILITY OF THESE HURRICANE RESISTANT RESIDENTIAL STANDARDS SHALL BE LIMITED TO THE FOLLOWING CONDITIONS:

BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE (IBC)
	2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
	2018 INTERNATIONAL MECHANICAL CODE (IMC)
	2018 INTERNATIONAL PLUMBING CODE (IPC)
	2018 NATIONAL ELECTRIC CODE
- DESIGN LOADS:
- LIVE LOADS:

ATTICS WITH STORAGE	20 PSF
ATTICS WITHOUT STORAGE	10 PSF
DECKS	40 PSF
BALCONIES	60 PSF
FIRE ESCAPES	40 PSF
GUARDRAILS	200 PSF
HANDRAILS	200 PSF
ROOM OTHER THAN SLEEPING AREA	40 PSF
SLEEPING AREAS	30 PSF
STAIRS	100 PSF
- ROOF LIVE LOAD:

FLAT OR SLOPE LESS THAN 4:12	20 PSF
SLOPE 4:12 TO LESS THAN 12:12	16 PSF
SLOPE EQUAL TO OR GREATER THAN 12:12	14 PSF

WIND LOAD: THE FOLLOWING LOAD CRITERIA AND FACTORS HAVE BEEN USED IN THE DESIGN OF THIS STRUCTURE:

WIND CODE	PER SECTION R301	ASCE 7-16
BASIC WIND SPEED - ULTIMATE		160 MPH
IMPORTANCE FACTOR	2	
EXPOSURE CATEGORY	C	

- INSULATION

WALLS	R19
ATTIC FLOOR	R38
CEILING	R38 Blown Insulation
- CONTRACTOR AND OWNER SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. IN CASE OF DISCREPANCY, NOTIFY DESIGNER AND ENGINEER OF RECORD PRIOR TO PROCEEDING.
- AT CONSTRUCTION ISSUE, THESE DRAWINGS AND DETAILS REPRESENT COMPONENTS IN THEIR FINAL AND FINISHED STATE FOR CONSTRUCTION. TEMPORARY BRACING METHODS, SAFETY PRECAUTIONS, AND MECHANICAL REQUIREMENTS USED TO ERECT COMPONENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR PERFORMING WORK.
- THE DETAILS AND SPECIFICATIONS PROVIDED ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATIONS AND LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DISCREPANCIES TO THE DESIGNER AND ENGINEER OF RECORD OR OWNER PRIOR TO CONTINUATION OF CONSTRUCTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A SAFE AND ORGANIZED JOB SITE. THE DESIGNER AND ENGINEER OF RECORD SHALL ASSUME NO LIABILITY IN REGARD TO SAFETY.
- IF UNFORSEEN CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONSULT THE DESIGNER AND ENGINEER OF RECORD.
- THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE AND FOUNDATION ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL SUPPORT TO MAINTAIN STABILITY PRIOR TO COMPLETION.
- AS A MINIMUM, ALL CONCRETE OR MASONRY FOOTERS TO COMPLY WITH MINIMUM WIDTH OF CONCRETE OR MASONRY FOOTERS OF THE CURRENTLY ADOPTED IRC UNLESS OTHERWISE NOTED.
- INSTALL FULL DEPTH BLOCK (MATCH RAFTER DEPTH) @ 48" O.C. IN FIRST TWO FRAMING SPACES OF ROOF SYSTEM AT ALL GABLE ENDS OF ROOF. INSTALL BLOCKING AT PANEL EDGES OF ROOF DECKS AND FASTEN WITH 6D COMMON NAILS @ 6" O.C. INTO BLOCKING.
- INSTALL FULL DEPTH BLOCK (MATCH JOIST DEPTH) @ 24" O.C. IN FIRST TWO FRAMING SPACES OF CEILING JOISTS WHERE CEILING JOIST RUN PARALLEL TO EXTERIOR WALL. INSTALL FULL DEPTH BLOCKING AND FASTEN AS NOTED IN FASTENER SCHEDULE UNLESS OTHERWISE NOTED.
- THE AREA OF THE FLOOR FOR GARAGES, CARPORTS, AND/OR PORCHES USED FOR PARKING AUTOMOBILES OR VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY.
- SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION SO AS NOT TO CREATE A HAZARD. LOTS SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
- EXTERIOR FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE HABITABLE OR USABLE SPACES LOCATED BELOW GRADE SHALL BE WATERPROOFED WITH A MEMBRANE EXTENDING FROM THE TOP OF THE FOOTING TO FINISH GRADE. THE MEMBRANE SHALL CONSIST OF 2-PLY HOT MOPPED FELTS, 55 POUND ROLLED ROOFING, 6 MIL POLYVINYL CHLORIDE, 6 MIL POLYETHYLENE OR 40 MIL POLYMER-MODIFIED ASPHALT. THE JOINTS IN THE MEMBRANE SHALL BE LAPPED OR SEALED WITH AN ADHESIVE COMPATIBLE WITH THE MEMBRANE MATERIAL.
- ENCLOSED ATTICS AND EXPOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATING OPENINGS SHALL BE PROTECTED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" MINIMUM TO 1/4" MAXIMUM OPENINGS.
- THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE TOTAL AREA IS PERMITTED TO BE REDUCED TO 1 TO 300 PROVIDED AT LEAST 50 PERCENT AND NOT MORE THAN 80 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.

- CONTRACTOR TO PROVIDE & INSTALL APPROPRIATE SYSTEM TO MEET MINIMUM VENTING AREA REQUIREMENTS AS LISTED BELOW:
 - 762 MIN. SQ. IN. OF NET FREE AREA OF EXHAUST NEEDED AT OR NEAR THE RIDGE - HIP.
 - 762 MIN. SQ. IN. OF NET FREE AREA OF INTAKE NEEDED AT BLOCKING BETWEEN RAFTER TAILS.

- ROOF COVERING NOTES:
- ROOF DECK SHALL BE MINIMUM 5/8" APA RATED PLYWOOD ATTACHED PER REQUIREMENT SHOWN OF FASTENER SCHEDULE. INSTALL SIMPSON PSC CLIPS OR USP MODEL PC SHEATHING CLIPS AT ALL UNSUPPORTED EDGES OF ROOF DECK (TWO PER SPAN).
 - ENTIRE ROOF DECK SHALL BE COVERED WITH A FULL LAYER OF SELF-ADHERING POLYMER MODIFIED BITUMEN MEMBRANE (PEEL AND SEAL) MEETING ASTM D1970 REQUIREMENTS FOR PLYWOOD OR OSB ROOF DECKING OR SEAL ALL ROOF DECKING SEAMS WITH 4" PEEL & SEAL AND APPLY TEAR RESISTANT UNDERLAYMENT TO DECKING PER MANUFACTURERS INSTRUCTIONS.

- WIND BORNE DEBRIS PROTECTION
- WINDOWS IN BUILDINGS LOCATED IN WIND BORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WIND BORNE DEBRIS.
 - ALL WINDOWS AND DOORS SHALL BE DESIGNED CAPABLE OF RESISTING A WIND LOAD OF 154 MILES PER HOUR ULTIMATE.
 - GLAZING IN RESIDENCES REQUIRING PROTECTION SHALL BE PROTECTED WITH AN IMPACT PROTECTIVE SYSTEM OR SHALL PROVIDE IMPACT RESISTANT WINDOWS.
 - GLAZED OPENINGS PROTECTION FROM WIND BORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND ASTM E 1886.

TIMBER NOTES:

- UNLESS OTHERWISE NOTED, ALL LUMBER SHALL BE SOUTHERN YELLOW PINE #2 GRADE OR BETTER WITH A MAXIMUM MOISTURE COUNT OF 19%.
- WOOD FRAMING AND COLUMNS 5"x5" AND LARGER SHALL BE #1 STRESS RATED SOUTHERN YELLOW PINE OR EQUIVALENT WITH THE MINIMUM FOLLOWING PROPERTIES:

Fb = 1350 psi	Ft = 900 psi	Fv = 90 psi
Fc = 375 psi	Fd = 825 psi	E = 1,500,000 psi
- ALL TIMBER WALL FRAMING SHALL BE AS FOLLOWS:

2x4 WALL STUD AND PLATES	SPRUCE PINE SHALL BE NO. 3 GRADE OR BETTER STUD GRADE MATERIAL WITH THE MINIMUM FOLLOWING PROPERTIES:		
	Fb = 675 PSI	Ft = 350 PSI	Fv = 70 PSI
	Fc = 425 PSI	Fd = 726 PSI	E = 1,200,000 PSI
- ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ALL LUMBER EXPOSED TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE PRESSURE TREATED.
- ALL ENGINEERED WOOD BEAMS SHALL BE SIZED, MANUFACTURED, INSTALLED, AND BRACED TO COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
- LAMINATED VENEER LUMBER BEAMS SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES/CONDITIONS:

Fb = 3100 psi	Fv = 290 psi
Fc = 750 psi	Fd = 3000 psi
E = 2,000,000 psi	
- ALL BUILT-UP STUD PACKS, BEAMS, AND JOISTS SHALL BE NAILED IN STRICT ACCORDANCE WITH AF&PA'S (AMERICAN FOREST AND PAPER ASSOCIATION) AND THE NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION.
- MULTIPLE PILES SHALL BE NAILED TOGETHER WITH TWO ROWS OF 20d NAILS - ONE ROW NEAR THE TOP EDGE AND ANOTHER AT THE BOTTOM. NAILS IN EACH ROW SHALL NOT EXCEED 12" APART. END JOINTS OF THE NAILED LUMBER SHALL OCCUR OVER THE SUPPORTING STUD PACK (COLUMN).
- ALL BOLTS, NAILS, JOIST HANGERS, CLIPS, STRAPS, ETC. IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
- ALL CONNECTIONS AND HARDWARE SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SIZE, QUANTITY, NUMBER, AND LOCATIONS OF FASTENERS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED LITERATURE.

- CONCRETE NOTES:
- ALL CONCRETE AND REINFORCING STEEL SHALL FOLLOW THE PRACTICES AND STANDARDS DESCRIBED IN THE EDITION IN EFFECT OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318 STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
 - ALL CONCRETE SHALL CONFORM TO ASTM C-94, LATEST EDITION, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAY CURE. CONCRETE PLACED WITHIN A CMU WALL SHALL CONTAIN PEA GRAVEL AGGREGATE.
 - ALL PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR TYPE II.
 - ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
 - SLUMP SHALL BE FROM 5-6 INCHES MAXIMUM WITH A WATER-CEMENT RATIO LESS THAN .55. THE USE OF A SUPERPLASTICIZER IS APPROVED FOR POURING OF WALLS.
 - ALL WELDED WIRE FABRIC REINFORCEMENT STEEL SHALL CONFORM TO ASTM A185.
 - ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED PER CRSI AND ACI STANDARDS, INCLUDING CONCRETE CORNER AND BAR SUPPORTS, LAP BAR AT ALL SPLICES, INCLUDING CORNER BARS AND DOWELS, IN ACCORDANCE WITH SPLICE SCHEDULE OR IN LIEU THEREOF 40 BAR DIAMETERS. LAP WELDED WIRE MESH FABRIC 6" OR ONE FULL MESH PLUS 2", WHICHEVER IS GREATER.
 - CONCRETE COVER OVER REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION AF ACI 318, UNLESS NOTED OTHERWISE:

BELOW GRADE (UNFORMED):	3"
BELOW GRADE FORMED:	2"
WALLS AND SLABS:	1 1/2"

- ALL CMU BLOCK SHALL BE CONSTRUCTED IN RUNNING BOND AND SHALL HAVE HORIZONTAL WIRE REINFORCEMENT EVERY OTHER COURSE. CONCRETE WITHIN CMU BLOCK SHALL CONTAIN PEA GRAVEL.
- ALL MORTAR SHALL BE PORTLAND CEMENT TYPE S.
- VERTICAL AND HORIZONTAL REINFORCEMENT IS TO BE CONTINUOUS AND LAPPED A MINIMUM OF 48 BAR DIAMETERS.
- ALL ANCHOR BOLT MATERIAL SHALL BE ASTM F1554 UNLESS NOTED OTHERWISE.

TRUSS NOTES:

- ALL WOOD TRUSSES TO BE DESIGNED AND MANUFACTURED BY A TRUSS SUPPLIER WHO IS A MEMBER OF THE TRUSS PLATE INSTITUTE OR WHO USES METAL PLATES FROM A MANUFACTURER WHO IS A MEMBER.
- ALL BRACING, QUALITY CONTROL, AND ERECTION OF TRUSSES SHALL CONFORM TO THE TRUSS MANUFACTURER'S GUIDELINES AND SPECIFICATIONS AS STATED ON THE TRUSS SHOP DRAWINGS.
- TRUSS SHOP DRAWING SUBMITTAL SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT'S LOCATION.
- SHOP DRAWINGS TO INCLUDE PLAN SHOWING LAYOUT OF TRUSSES, DETAILS OF TRUSSES, BRACING, AND ANY OTHER INFORMATION REQUIRED TO COMPLETE THE TRUSS INSTALLATION FOR THE PROJECT.
- PROVIDE HEADERS AS DETERMINED BY ACCEPTABLE ENGINEERING DESIGN STANDARDS AT AREAS WHERE THE TRUSSES REQUIRE HEADERS TO ADJACENT TRUSSES.
- TRUSS DESIGNER SHALL BE RESPONSIBLE FOR VERIFYING ALL REQUIRED MEASUREMENTS FROM THE PLANS BEFORE COMPLETION OF TRUSS DRAWINGS. DRAWINGS MUST BE APPROVED BY OWNER PRIOR TO START OF CONSTRUCTION OF TRUSSES.
- TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGN OF BRACINGS OF TRUSSES AND UPLIFT CONNECTIONS.

TERMITE PREVENTION NOTES:

- PROVIDE CHEMICAL BARRIER TO BUILDING FROM SUBTERRANEAN TERMITE ATTACK.
- TERMITE PROTECTION SHALL BE INSTALLED TO COMPLY WITH THE INTERNATIONAL RESIDENTIAL CODE.

SOIL EROSION & SEDIMENTATION NOTES:

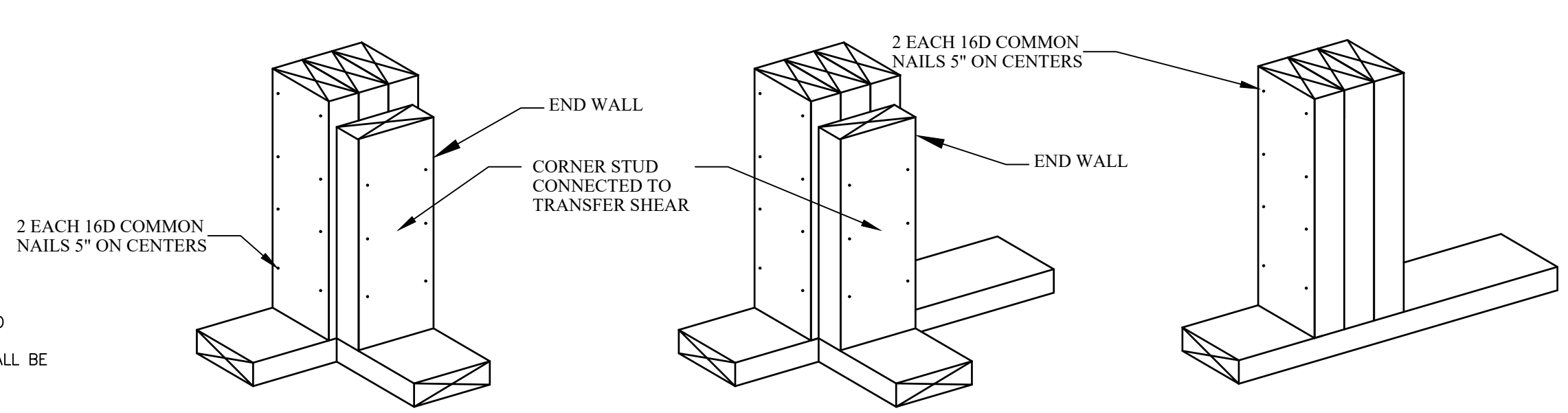
- PROVIDE TEMPORARY SETTLING BASINS, HAY BALES, AND OTHER METHODS AS APPROPRIATE TO FILTER WATER AT ALL AREAS WHERE STORM WATER LEAVES THE PROJECT. CLEAN UP ALL SOIL WHICH FLOWS OFF SITE AT THE END OF THE DAY.

ATTIC ACCESS

- ATTIC ACCESS SHALL NOT BE LESS THAN 22 INCHES BY 30 INCHES AND SHALL BE LOCATED IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. A 30 INCH MINIMUM UNOBSTRUCTED HEADROOM AT THE ATTIC SPACE SHALL BE PROVIDED AT POINT ABOVE THE ACCESS OPENING.
- FOR ATTICS WITH ABOVE CEILING PLUMBING OR MECHANICAL EQUIPMENT, AN INDUSTRIAL GRADE DISAPPEARING STAIRWAY SHALL BE PROVIDED.

TYPICAL CONNECTOR SUMMARY

- CONNECTOR REFERENCED NUMBERS ARE SIMPSON STRONG-TIE COMPANY OR UNITED STEEL PRODUCTS (USP) LUMBER CONNECTORS.
- ALL CONNECTORS AND HARDWARE SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SIZE, QUANTITY, AND LOCATION OF ALL NAILS AND FASTENERS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED LITERATURE.
- SIMPSON SPH4 / SPH6 OR USP SPTH4 / SPTH6 AT BOTTOM AND TOP OF EXTERIOR STUDS @32" O.C. UNLESS OTHERWISE NOTED.
- FRONT AND REAR PORCHES - PORCH COLUMNS (6"x6" OR 8"x8") SHALL BE ANCHORED TO THE BEAM WITH SIMPSON STRONG-TIE PC66 6(6") OR PC68 8(8") OR EQUIVALENT USING 10 - 16D NAILS (6") - 12 - 16D NAILS (8") UNLESS OTHERWISE NOTED. THE COLUMN SHALL BE ANCHORED TO THE CONCRETE USING SIMPSON 6x6 OR 8x8 POST BASE WITH 5/8" ANCHOR BOLT, MINIMUM 7" EMBEDMENT.
- GARAGE DOOR SHALL BE DESIGNED BY MANUFACTURER FOR DESIGN WIND REQUIREMENTS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- ALL PHASES OF THE WORK SHALL CONFORM TO THE MINIMUM STANDARDS AND REQUIREMENTS OF THE LATEST ADOPTED CODE OF THE INTERNATIONAL RESIDENTIAL CODE AND ITS RELATED REFERENCES.
- THE REQUIREMENTS OF THE CURRENTLY ADOPTED BUILDING CODE AND ITS FASTENER SCHEDULE TABLE FOR STRUCTURAL MEMBERS SHALL BE STRICTLY ADHERED TO FOR THE NAILING OF ALL WOOD FRAMING CONSTRUCTION.



CORNER & "T" STUD N.T.S.

PACK STUD DETAIL N.T.S.

PLUMBING, HVAC, AND ELECTRICAL, RE: MEP DRAWINGS

PRE-ENGINEERED FLOOR JOISTS, GIRDERS, AND BEAM NOTES

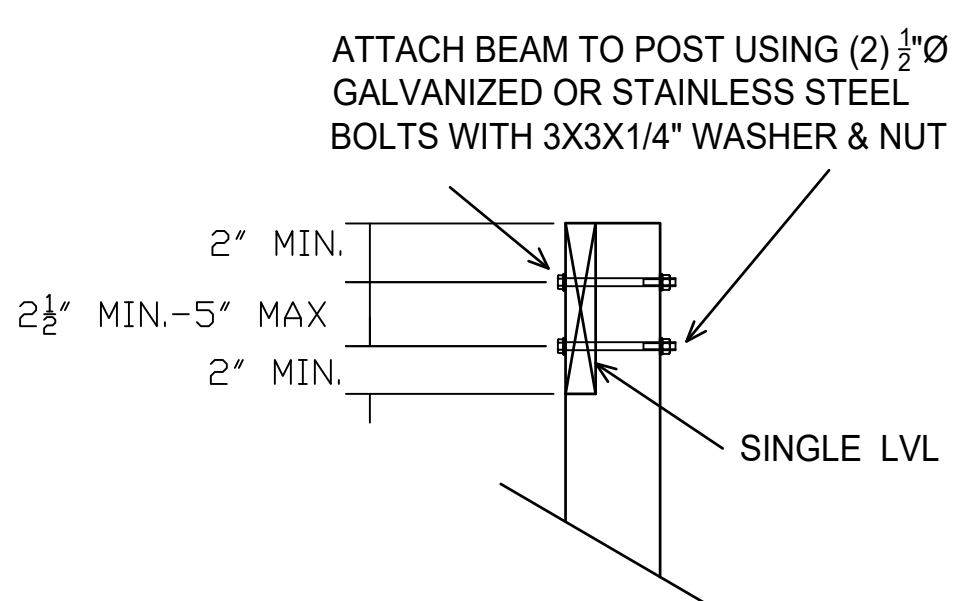
- FLOOR JOIST, GIRDERS, I-JOIST, LVL BEAMS, AND BEAMS NOT CALLED OUT SHALL BE ENGINEERED AND MANUFACTURED BY OTHERS.
 - SUB-FLOOR MUST BE GLUED AND NAILED TO FLOOR JOISTS.
 - THE MANUFACTURER MUST BE CONSULTED REGARDING ALL POINTS OF BEARING OF THE JOISTS AND POINTS OF LOADS ON THE JOISTS.
 - JOIST CONNECTIONS TO SUPPORTS SHALL BE SPECIFIED BY JOIST MANUFACTURER. CONNECTION SHALL BE DESIGNED TO CARRY THE JOIST'S SHEAR CAPACITY. THE SUPPORT MEMBER SHALL BE CONSIDERED IN THE CONNECTION DESIGN. THE SUPPORT MEMBER SHALL NOT BE OVER-STRESSED IN THE CONNECTION DESIGN. THE SUPPORT MEMBER SHALL NOT BE OVERSTRESSED AT THE JOIST CONNECTION.
 - THE CONTRACTOR/OWNER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS FROM THE FLOOR JOIST MANUFACTURER TO THE DESIGNER AND ENGINEER OF RECORD FOR REVIEW. THE SUBMITTED CALCULATIONS AND SHOP DRAWINGS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER. THE ENGINEER REVIEW DOES NOT RELIEVE THE CONTRACTOR/JOIST MANUFACTURER OF ANY RESPONSIBILITY IN COMPLETING THE DESIGN, MANUFACTURE, AND INSTALLATION OF FLOOR JOISTS WHICH ARE ADEQUATE FOR THIS APPLICATION.
- ENERGY
- BATT INSULATION SHALL BE CUT NEATLY TO FIT AROUND PIPES AND WIRES OR BE PLACED BEHIND PIPING & WIRING. INSULATION TO BE STAPLED TO FACE OF WALLS.
 - AIR PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL.
 - SPACE BETWEEN WINDOWS AND DOORS TO BE SEALED. CORNERS, HEADERS, AND SILL PLATES TO BE SEALED.
 - RIM JOIST TO BE INSULATED.
 - A CONTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE BUILDING ENVELOPE.
 - BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED (TAPED).
 - PROGRAMMABLE THERMOSTAT IS REQUIRED.
 - A MINIMUM OF 75% LIGHTS USED SHALL BE HIGH EFFICACY.
 - RECESSED LIGHT FIXTURES SHALL BE SEALED TO BE AIR TIGHT.
 - MINIMUM U-FACTOR: 40 MINIMUM SHGC: 0.25
 - PEEL AND STICK ALUMINUM BACKED TAPE REQUIRED TO BE APPLIED TO ALL EDGES OF WINDOWS.

FOUNDATION NOTES

- A GEOTECHNICAL EVALUATION OF THE SUITABILITY OF THE EXISTING LOAD BEARING SOILS HAS NOT BEEN PERFORMED FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONSULT A GEOTECHNICAL ENGINEER AND PROPERLY PREPARE THE EXISTING SOIL AND ANY COMPACTED FILL FOR THE FOUNDATION DESIGN LOADING.
- FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. A QUALIFIED REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE RETAINED TO VERIFY SOIL BEARING CONDITIONS PRIOR TO CONSTRUCTION.
- THE REGISTERED GEOTECHNICAL ENGINEER OF RECORD SHALL BE RETAINED DURING CONSTRUCTION TO INSPECT FOUNDATION EXCAVATION, INSPECT AND MONITOR PLACEMENT OF PILINGS AND COMPACTED FILL, AND TO MONITOR PROOF ROLLING OPERATIONS, AS REQUIRED.
- SHOULD RECOMMENDATIONS OF GEOTECHNICAL ENGINEER DIFFER FROM THOSE OUTLINED ABOVE, IMMEDIATELY NOTIFY DESIGNER AND ENGINEER OF RECORD PRIOR TO PROCEEDING.
- ALL FOOTINGS, OR PORTIONS THEREOF, BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS.

STRAPPING REQUIREMENTS

- TRUSS TO TOP PLATE CONNECTION: H10A
 RAFTERS USED IN LIEU OF TRUSSES: LSTA21 RIDGE STRAP CONNECTION REQUIRED TO TIE RAFTERS TOGETHER
 TOP PLATE TO STUD CONNECTION: SP6 AT 32" O.C. OR H2.5 AT 16" O.C.
 STUD TO SILL PLATE CONNECTION: SEE TYPICAL WALL OPENING/STRAPPING DETAIL
 SILL TO FOUNDATION CONNECTION: 5/8" X 10' (7" EMBEDMENT REQUIRED) GALVANIZED ANCHOR BOLT AT 32" O.C.
 RAFTER TO HEADER CONNECTION: HTS20
 HEADER TO JACK STUD CONNECTION: 2 EACH - LSTA9
 HEADER TO WINDOW SILL CONNECTION: A23
 WINDOW/DOOR JACK STUD TO SILL PLATE CONNECTION: SEE TYPICAL WALL OPENING/STRAPPING DETAIL
 GARAGE HEADER TO JACK STUD CONNECTION: 2 EACH - CS16
 GARAGE JACK STUD TO SILL PLATE CONNECTION: STHD10
 GABLE END OUTLOOKER TO TOP PLATE CONNECTION: 2 EACH - H2.5A
 GABLE END BLOCKING TO TOP PLATE CONNECTION: 2 EACH - LTP5
 GABLE END STUD TO PLATE CONNECTION: 2 EACH - H2.5A AT 32" O.C.
 GABLE END TOP PLATE TO STUD CONNECTION: SP4 AT 32" O.C.
 OUTLOOKER TO RAFTER CONNECTION: FACENAIL OR A34 CLIP ANGLE
 DIAPHRAGM TO WALL CONNECTION: 2 EACH - RBC PER RAFTER BAY
 OUT OF PLANE WALL CONNECTION: 2 EACH - GBC AT 36" O.C.
 PORCH COLUMN TO HEADER CONNECTION: 2 EACH - LSTA 24



TYP. POST TO BEAM CONNECTION

WIND UPLIFT
 ALTERNATE CONTINUOUS LOAD PATH. SIMPSON STRONG-TIE FASTENING SYSTEMS. TECHNICAL GUIDE C-F-2019 TECHSUP (DR LATEST EDITION).

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10-12-2021
 ALABAMA LICENSED PROFESSIONAL ARCHITECT
 No. 12578
 REGISTERED PROFESSIONAL ARCHITECT
 LAST ARCHITECTURAL REVIEW
 09/20/2021

A Landscape Development Plan for
Graham Creek Ag Area Building
 Foley, Alabama

Revisions	
No.	Date
03.31.21	FOR CLIENT REVIEW
04.09.21	FOR CLIENT REVIEW
07.26.21	BID SET
10.13.21	ADDENDUM NO. 3

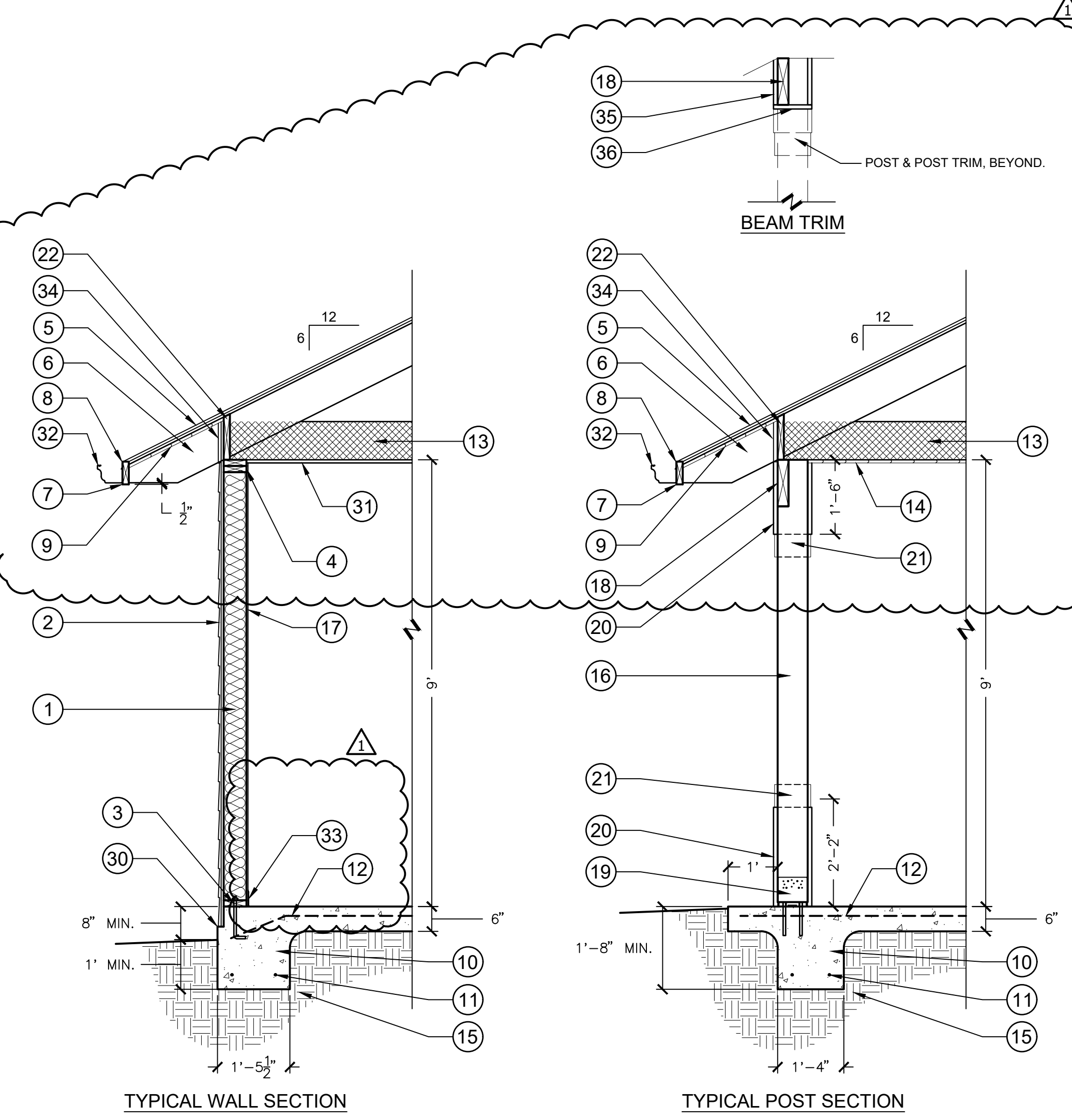
BH	Registration
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DM	
Checked	
216003-017	
Project No.	
03.23.21	
Date	

Sheet Title

GENERAL NOTES

BUBBLE CALLOUT LEGEND

- 1 STUDS, 2X6 WOOD STUDS @16" O.C. W/ R-19 MIN. INSULATION
- 2 SIDING, SELECT CEDARMILL HARDIE PLANK BY JAMES HARDIE, WIDTH: 8.25", COLOR: LIGHT MIST, INSTALLED ON TYVEK OR EQUAL ON 5/8" APA RATED SHEATHING
- 3 SILL PLATE, 2X6 P.T. WOOD SILL PLATE, C/W 5/8" ANCHOR BOLTS W/ 7" MIN. EMBEDMENT, EACH SIDE OF OPENINGS, CORNERS, AND 32" O.C. VERIFY LOCATIONS
- 4 DOUBLE TOP PLATE, (2) 2X6 WOOD TOP PLATE, CONNECT TO STUDS W/ SP6 INSTALLATION BY SIMPSON STRONG-TIE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 5 ROOFING, STANDING SEAM METAL ROOF ON "ICE & WATER SHIELD" ON 5/8" APA RATED SHEATHING, METAL GAUGE TO COMPLY WITH IBC 2018, COLOR: DARK GREEN, REFER TO GENERAL NOTES FOR VENTING REQUIREMENTS.
- 6 RAFTER TAILS, 2X10 P.T. WOOD @ 16" O.C., SCAB ON TO TRUSS MEMBERS SECURELY, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS.
- 7 FASCIA BOARD, 2X6 P.T. WOOD, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 8 ALUMINUM DRIP EDGE
- 9 T1-11 SOFFIT, PRESSURE TREATED, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 10 CONCRETE SLAB, 4000 PSI MINIMUM, RE: FINISH SCHEDULE FOR CONCRETE FINISH.
- 11 REBAR, (2) #4 REBAR, RE: FOUNDATION PLAN
- 12 WIRE MESH, 6x6-W2.9xW2.9 WIRE MESH WITH 8" OVERLAP BETWEEN PIECES, ANCHOR BOLTS AND WIRE MESH TO OVERLAP AS TYPICAL WALL SECTION SHOWS.
- 13 TRUSS MEMBER, DESIGNED BY ROOF TRUSS MANUFACTURER, REFER TO GENERAL NOTES FOR REQUIREMENTS & INSULATION SPECIFICATION. HEIGHT OF TRUSS @ EXTERIOR WALL EDGE TO BE 10 1/2" MINIMUM TO ALLOW ADEQUATE ROOM FOR RAFTER TAIL
- 14 CEILING, 1X6 TONGUE & GROOVE C/W IRREGULAR RING SHANK 10D NAILS NAILS 2 EACH PER JOIST, RE: ROOM FINISH SCHEDULE FOR FINISH
- 15 COMPACTED SUBGRADE TO AT LEAST 95% OF MODIFIED PROCTOR DENSITY (ASTM D1557)
- 16 POST, 8X8 P.T. PINE POST, KDAT, NOTCHED TO RECEIVE LVL BEAM, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 17 DRYWALL, INSTALL PER IBC 2018 STANDARDS, RE: ROOM FINISH SCHEDULE FOR FINISH
- 18 CONTINUOUS BEAM, (1) 2-5/8" x 11-1/4" VERSA-LAM LVL 1.8E 2650 SOUTHERN PINE BEAM, CONNECT TO POSTS W/ (2) 3/8" THRU BOLTS W/ WASHERS.
- 19 POST BASE, ABU88Z ADJUSTABLE STANDOFF POST BASE BY SIMPSON STRONG-TIE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, ANCHOR W/ (2) 5/8 X 8 SIMPSON STRONG TIE TITEN HD HEAVY DUTY SCREW ANCHOR PER MANUFACTURER'S SPECIFICATIONS.
- 20 POST TRIM, 5/4X11.25" SMOOTH HARDIE TRIM VERTICAL BOARD, RIPPED AS NECESSARY, INSTALL PER MANUFACTURER'S SPECIFICATIONS, C/W S/S SCREWS, FILL/PUTTY SCREW HOLES BEFORE PAINTING. COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 21 POST TRIM, 4/4X5.5" SMOOTH HARDIE TRIM, INSTALL PER MANUFACTURER'S SPECIFICATIONS C/W S/S SCREWS, FILL/PUTTY SCREW HOLES BEFORE PAINTING. COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 22 BLOCKING, 2X WOOD BLOCKING BETWEEN JOISTS TO ENCLOSE ROOF CAVITY, C/W NAILS, REFER TO GENERAL NOTES FOR VENTING REQUIREMENTS.
- 23 THREADED TIE-ROD COUPLED TO ANCHOR BOLT, C/W 3X3" WASHER AND HEX NUT
- 24 WINDOW HEADER, (2) 2X12 WOOD HEADERS
- 25 KING STUD, 2X6 WOOD STUD
- 26 JACK STUD, 2X6 WOOD STUD
- 27 CRIPPLE STUDS, 2X6 WOOD STUD
- 28 WINDOW SILL, (2) 2X6 WOOD
- 29 DOOR HEADER, (2) 2X12 WOOD HEADERS
- 30 1/2"x5" MINIMUM JOG OUT IN FOUNDATION FOR SIDING.
- 31 DRYWALL CEILING, INSTALL PER IBC 2018 STANDARDS, RE: ROOM FINISH SCHEDULE FOR FINISH
- 32 GUTTER, 6", O/G PROFILE, ALUMINUM, COLOR: BRONZE
- 33 FLOOR MOLDING, 4" VINYL COVE BASE, COLOR: WHITE
- 34 TRIM, 5/4 SMOOTH HARDIE TRIM B/T RAFTER TAILS, INSTALL PER MANUFACTURER'S SPECIFICATIONS, C/W S/S SCREWS, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS
- 35 TRIM, 5/4X11.25" SMOOTH HARDIE TRIM TO BOX OUT BEAM, INSTALL PER MANUFACTURER'S SPECIFICATIONS, C/W S/S SCREWS, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS, FRAME OUT INTERIOR VOID AS NECESSARY.
- 36 TRIM, 5/4X11.25" SMOOTH HARDIE TRIM TO BOX OUT BEAM, INSTALL PER MANUFACTURER'S SPECIFICATIONS, C/W S/S SCREWS, COLOR: SATIN HICKORY SMOKE SW 7027 BY SHERWIN WILLIAMS, FRAME OUT INTERIOR VOID AS NECESSARY.



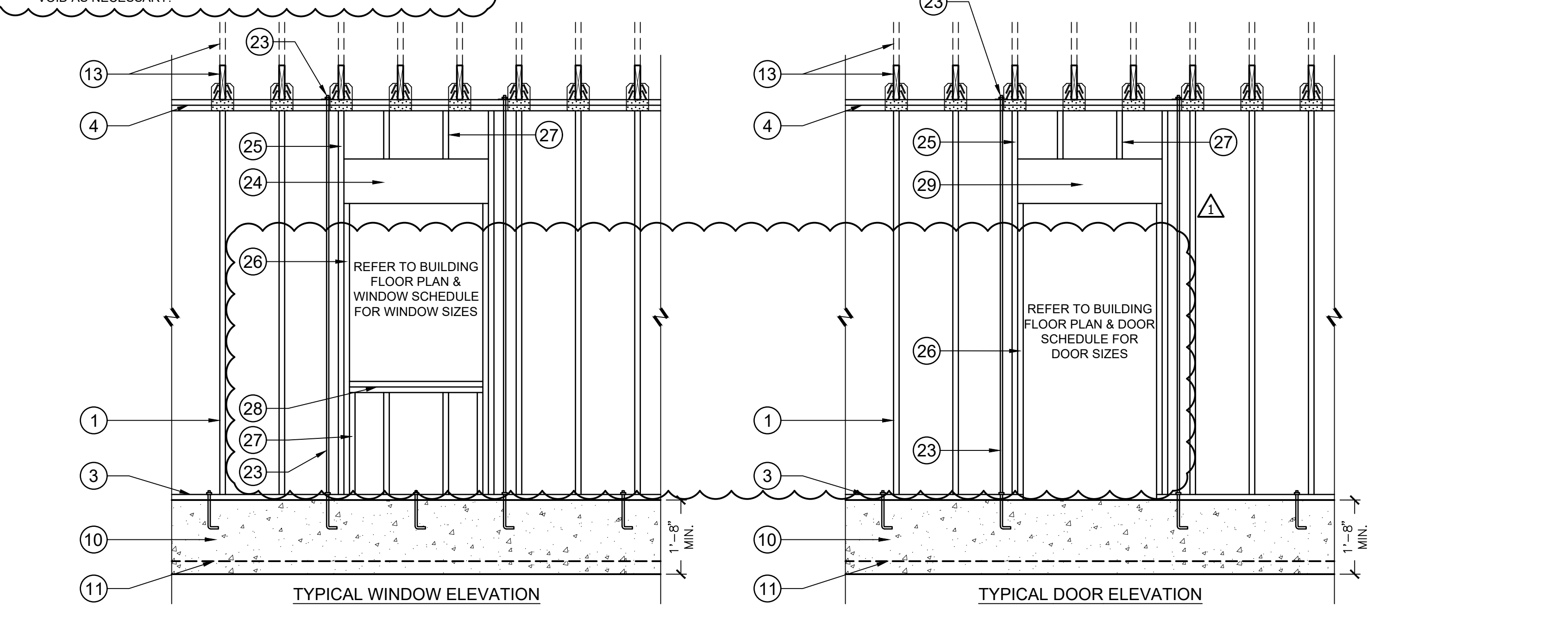
SILL PLATES S-P-F

SIZE	NUMBER OF SILL PLATES	MAXIMUM SPAN
2X4	1	3'-10"
2X4	2	5'-0"
2X4	3	5'-8"
2X4	4	6'-2"
2X6	1	6'-2"
2X6	2	7'-10"
2X6	3	9'-8"

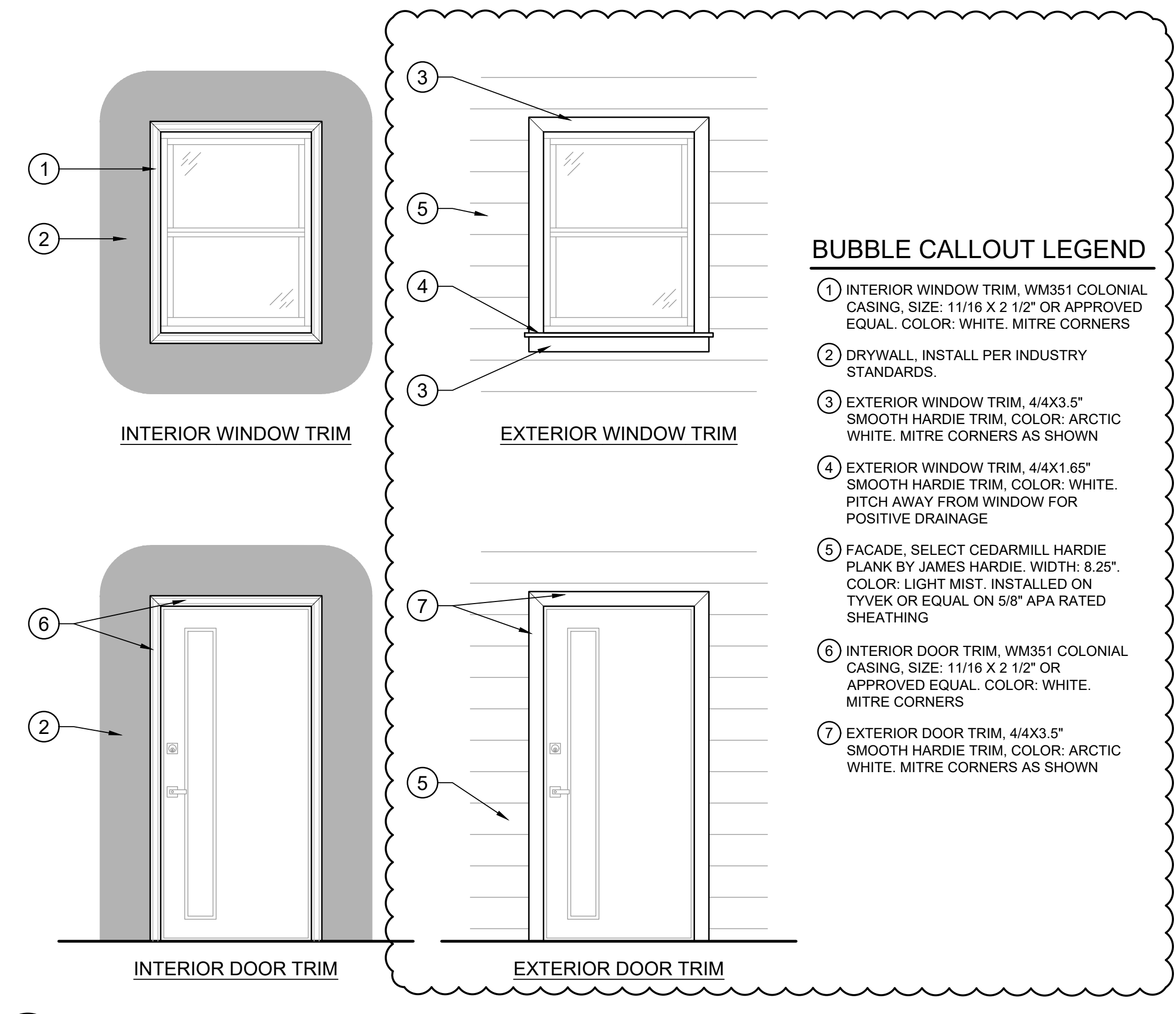
OPENING	NUMBER OF JACK STUDS	NUMBER OF FULL HEIGHT STUDS
UP TO 4 FEET	1	2
4 TO 8 FEET	2	2
8 TO 12 FEET	3	3

STRAPPING REQUIREMENTS

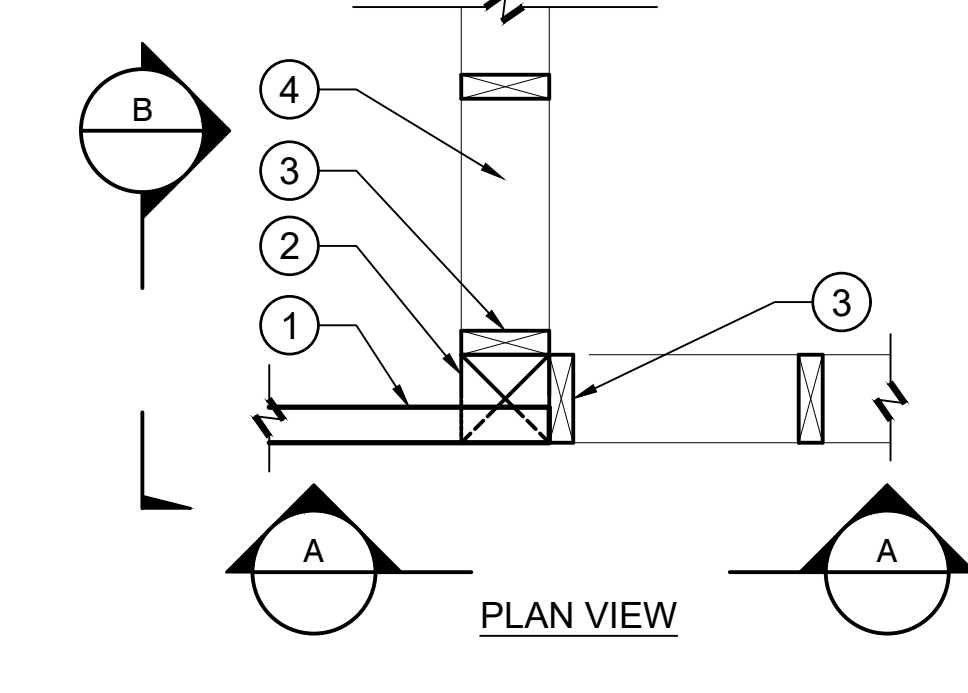
TRUSS TO TOP PLATE CONNECTION: HDA
 RAFTERS USED IN LIEU OF TRUSSES: LSTA21 RIDGE STRAP CONNECTION REQUIRED TO TIE RAFTERS TOGETHER
 TOP PLATE TO STUD CONNECTION: SP6 AT 32" O.C. OR H2/S AT 16" O.C.
 STUD TO SILL PLATE CONNECTION: SEE TYPICAL WALL OPENING/STRAPPING DETAIL
 SILL TO FOUNDATION CONNECTION: 5/8" X 10" (7" EMBEDMENT REQUIRED) GALVANIZED ANCHOR BOLT AT 32" O.C.
 RAFTER TO HEADER CONNECTION: HTS20
 HEADER TO JACK STUD CONNECTION: 2 EACH - LSTA9
 HEADER TO WINDOW SILL CONNECTION: A23
 WINDOW/DOOR JACK STUD TO SILL PLATE CONNECTION: SEE TYPICAL WALL OPENING/STRAPPING DETAIL
 GARAGE HEADER TO JACK STUD CONNECTION: 2 EACH - CS16
 GARAGE JACK STUD TO SILL PLATE CONNECTION: STB10
 GABLE END OUTLOOKER TO TOP PLATE CONNECTION: 2 EACH - H2.5A
 GABLE END BLOCKING TO TOP PLATE CONNECTION: 2 EACH - LTP5
 GABLE END STUD TO PLATE CONNECTION: 2 EACH - H2.5A AT 32" O.C.
 GABLE END TOP PLATE TO STUD CONNECTION: SP4 AT 32" O.C.
 OUTLOOKER TO RAFTER CONNECTION: FACENAIL OR A34 CLIP ANGLE
 DIAPHRAGM TO WALL CONNECTION: 2 EACH - RBC PER RAFTER BAY
 OUT OF PLANE WALL CONNECTION: 2 EACH - GBC AT 36" O.C.
 PORCH COLUMN TO HEADER CONNECTION: 2 EACH - LSTA 24



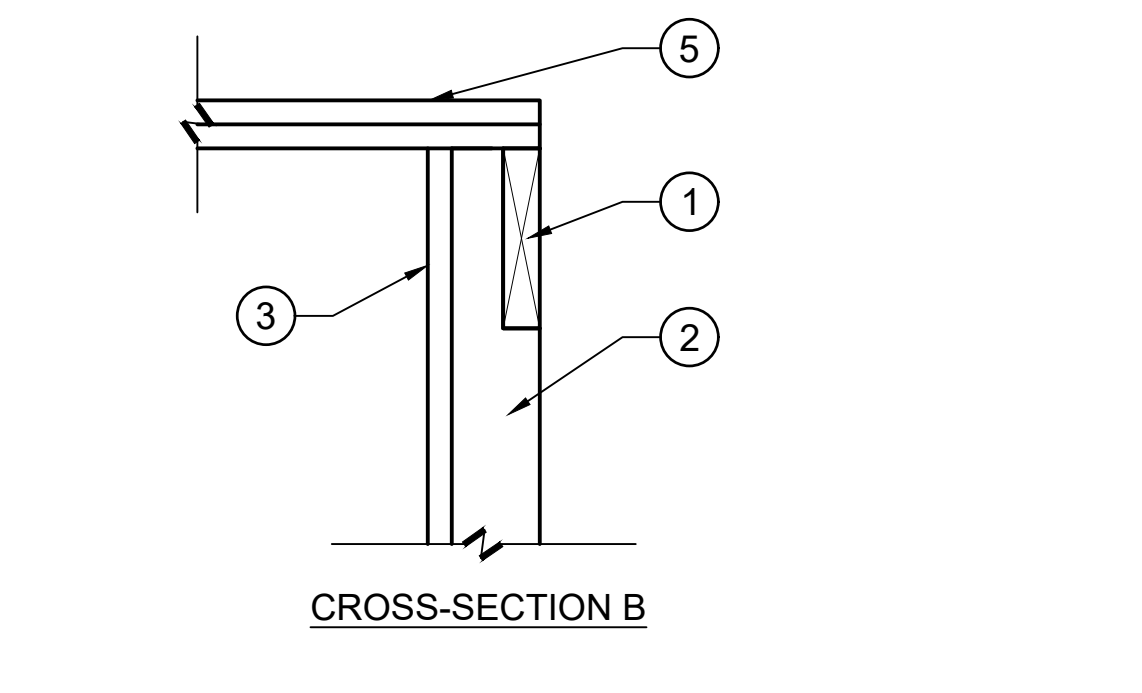
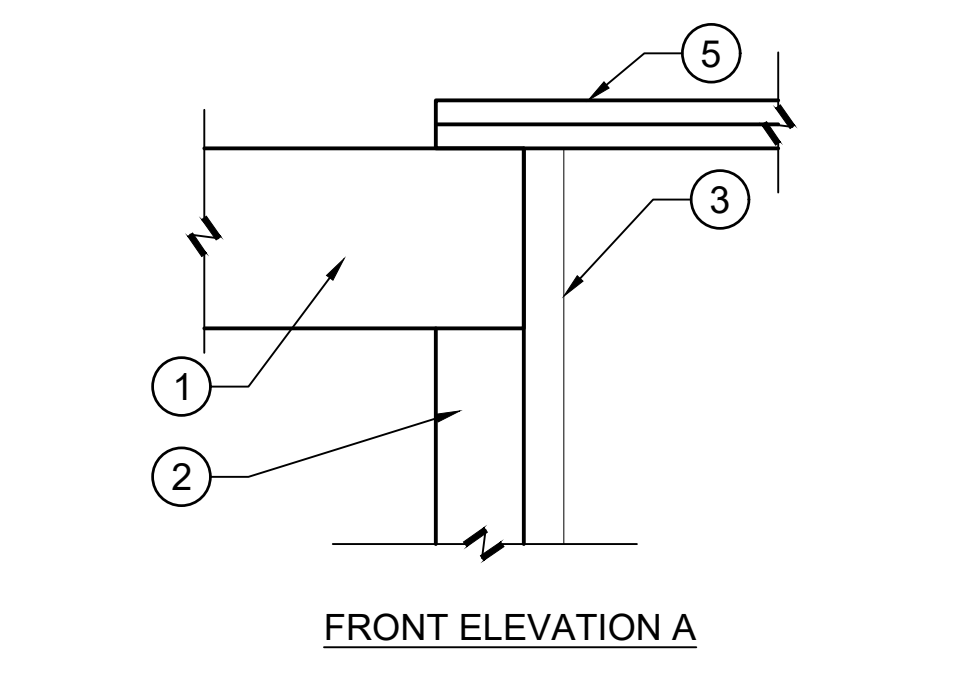
1 BUILDING WALL DETAILS
1/2" = 1'-0"



2 WINDOW & DOOR TRIM MATERIALS
1/2" = 1'-0"



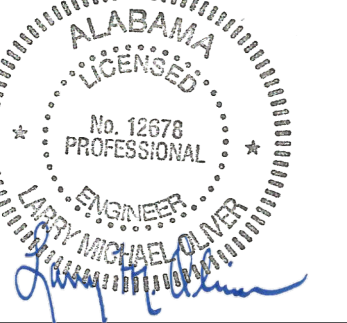
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 - 2 POST, 6X6 P.T. SOUTHERN PINE, NOTCHED TO RECEIVE BEAM, POST BASE, ABU66Z ADJUSTABLE STANDOFF POST BASE BY SIMPSON STRONG-TIE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS, ANCHOR W/ (1) 5/8 X 8 TITEN HD HEAVY DUTY SCREW ANCHOR BY SIMPSON STRONG TIE. INSTALL PER MANUFACTURER'S SPECIFICATIONS
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 - 5 DOUBLE TOP PLATE, (2) 2X6 WOOD TOP PLATE



3 BEAM TO COLUMN/WALL CONNECTION
1" = 1'-0"



10-12-2021



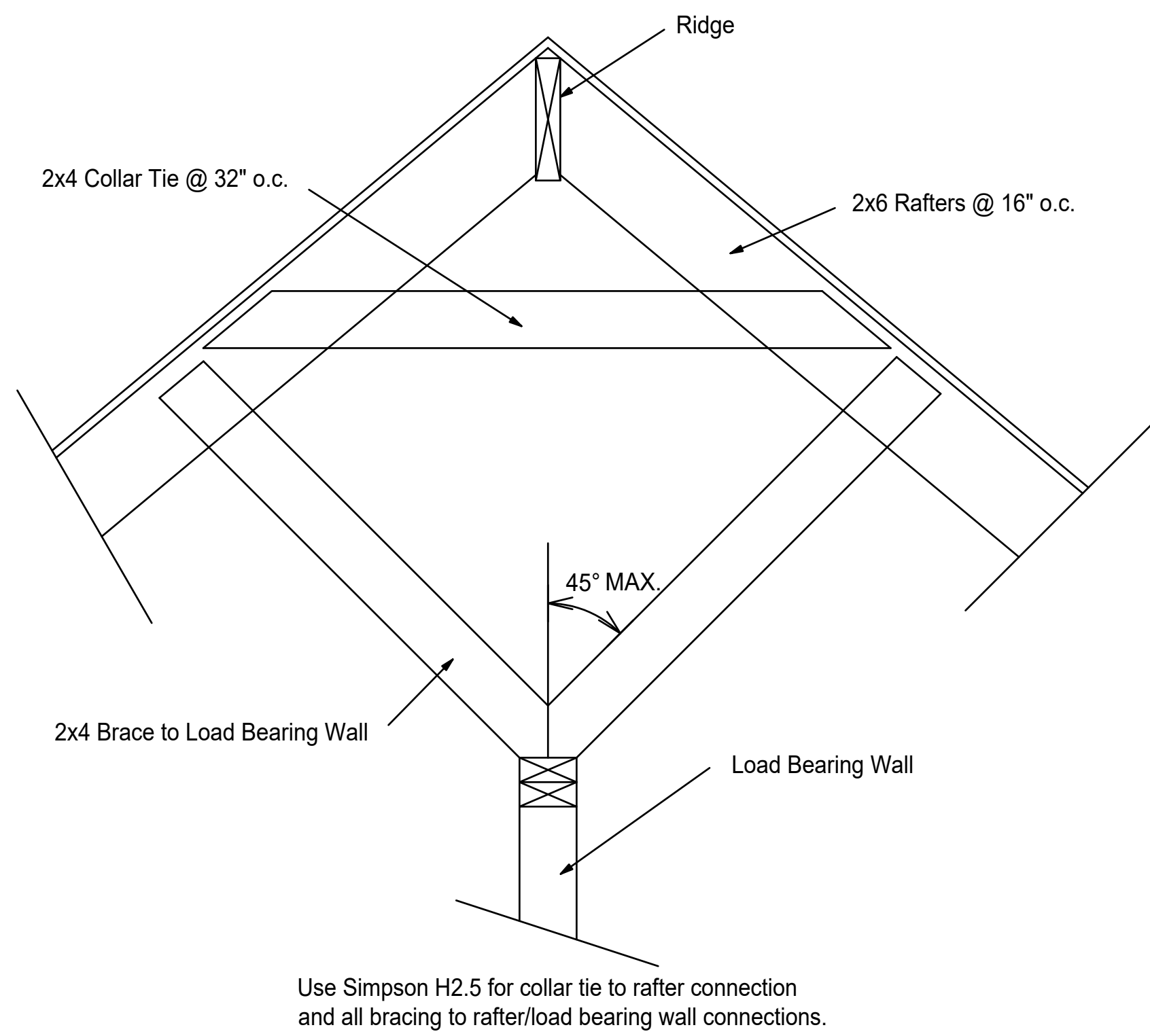
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Revisions

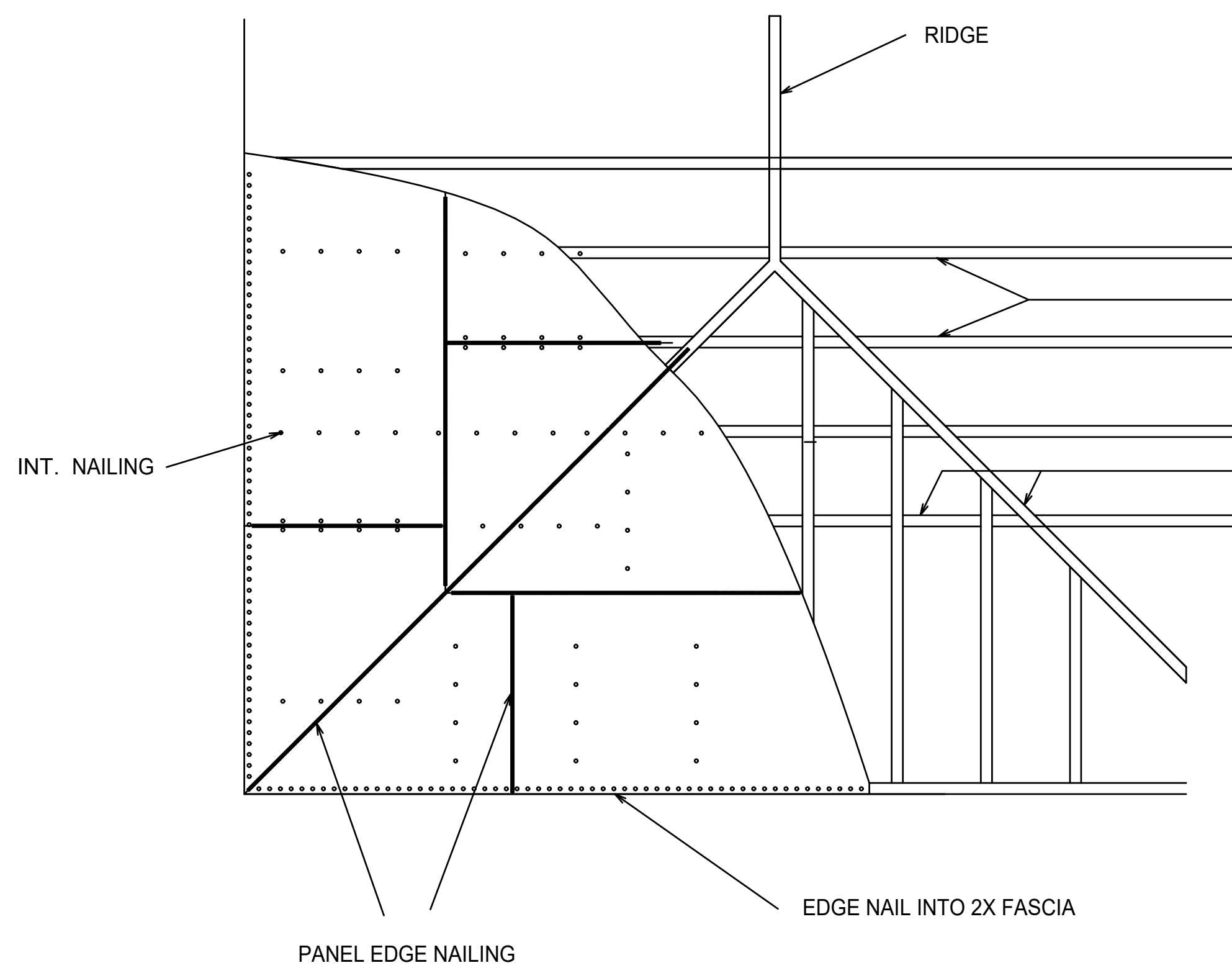
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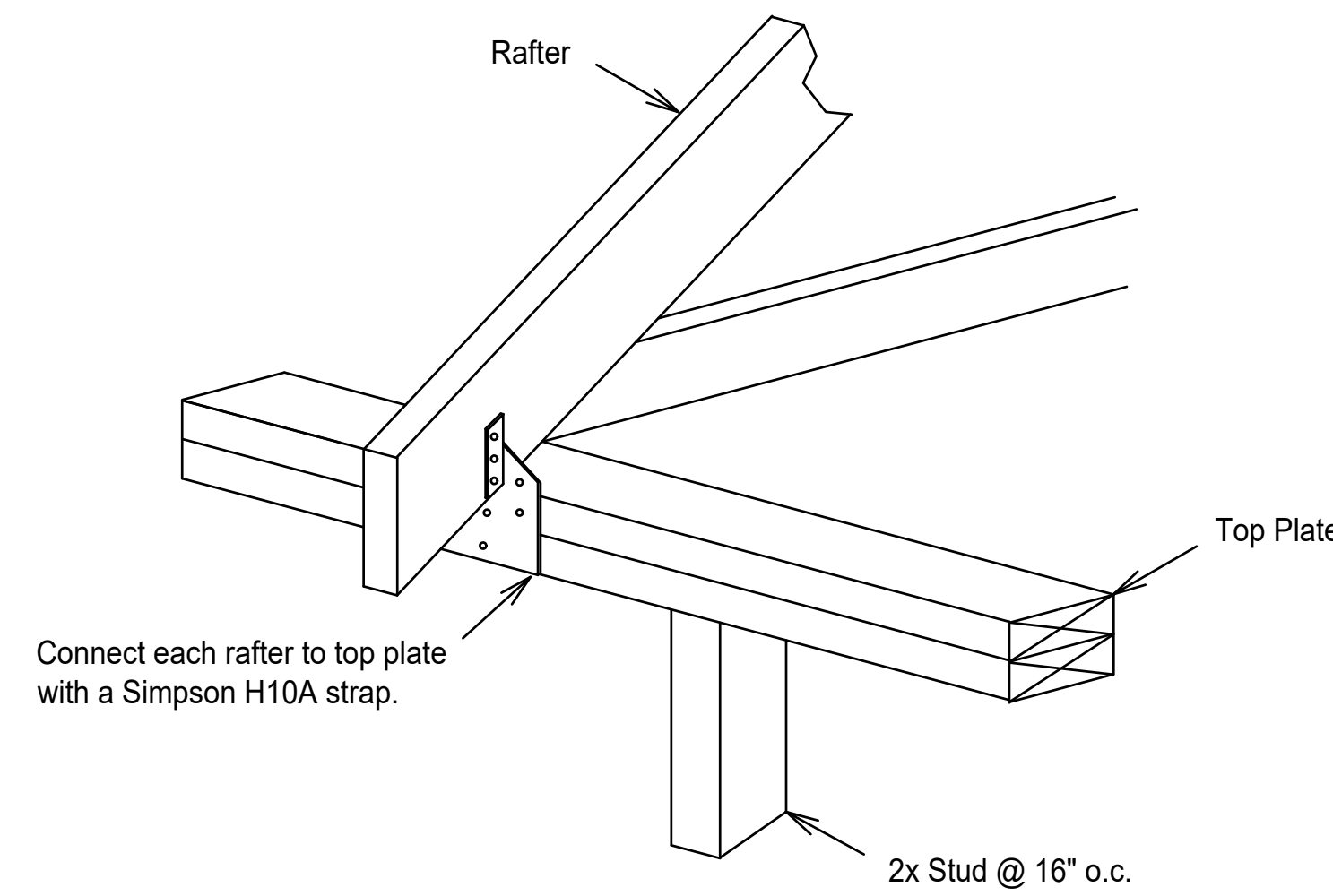
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ROOF BRACING DETAIL

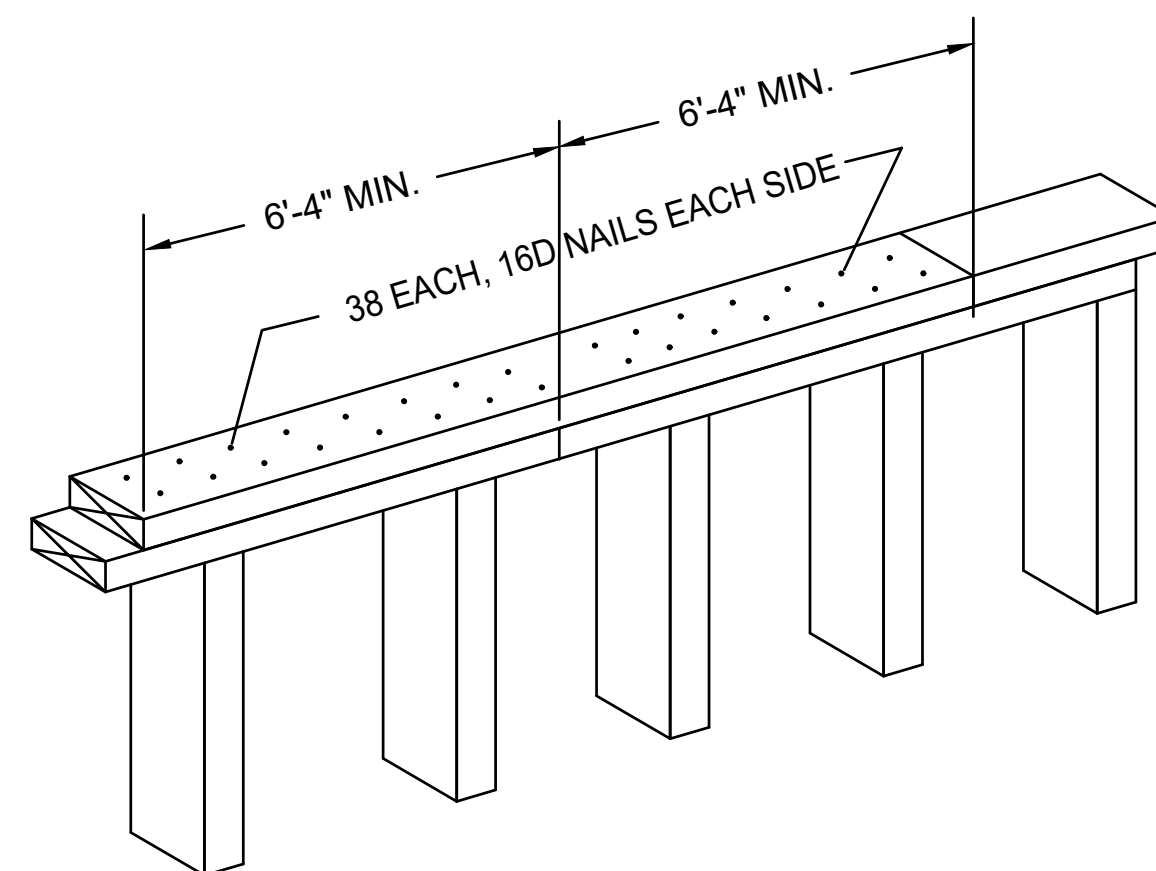


ROOF PANEL BLOCKING

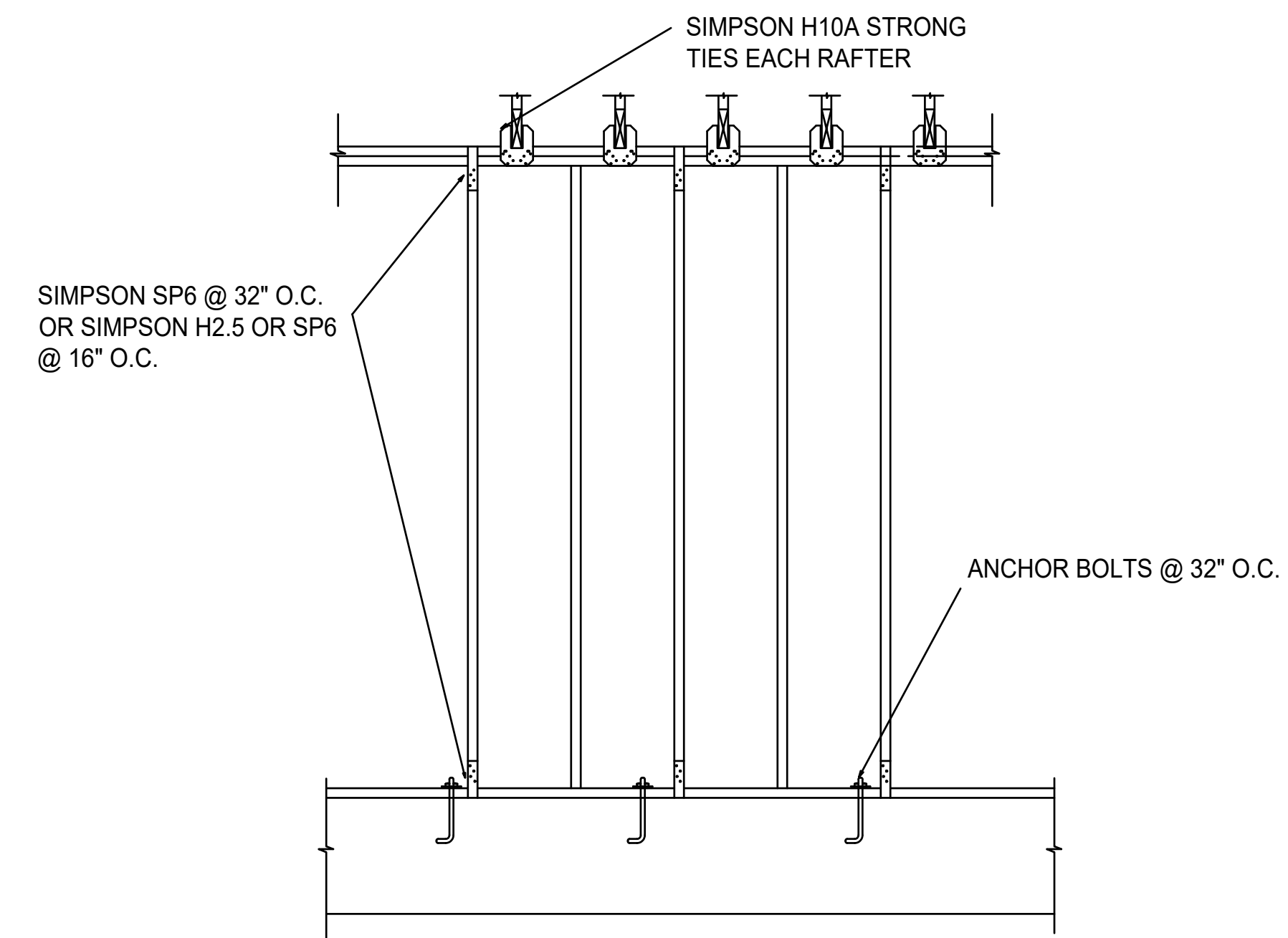


RAFTER / PLATE CONNECTION

WALL OPENINGS - HEADERS IN LOADBEARING WALLS		
SIZE	NUMBER OF HEADERS	MAXIMUM SPAN
2X4	2	4'-0"
2X6	2	5'-0"
2X8	2	6'-0"
2X12	2	7'-0"
2X10	3	8'-0"
2X10	4	9'-0"
2X12	4	10'-0"
1.75"X16" LVL	2	18'-0"



TYPICAL TOP PLATE SPLICE

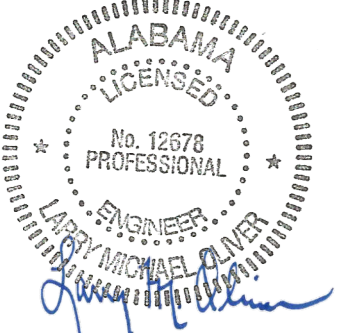


TYPICAL EXTERIOR WALL STRAPPING

NAILING SCHEDULE

JOINT DESCRIPTION	# of Common Nails	# of Box Nails	Nail Spacing
ROOF FRAMING			
Blocking to Rafter (Toe-nailed)	2-8d	2-10d	each end
Rim Board to Rafter (End-nailed)	2-16d	3-16d	each end
Rafter or roof truss to plate (Toe-nailed)	3-10d	3-16d	2 toe nails on 1 side (1 on other per rafter)
WALL FRAMING			
Top Plates at Intersections (Face-nailed)	4-16d	5-16d	at joints
Stud to Stud (Face-nailed)	16d	16d	24" o.c.
Header to Header (Face-nailed)	16d	16d	16" o.c. along edges
Built up studs (Face nailed)	10d	10d	24" o.c.
Abutting studs @ intersecting wall corners (Face nailed)	16d	16d	12" o.c.
Built up header, two pieces w/ 1/2" spacer	16d	16d	16" o.c. along edges
FLOOR FRAMING			
Joist to Sill, Top Plate or Girder (Toe Nailed)	4-8d	4-10d	per joist
Blocking to Joist (Toe-nailed)	2-8d	2-10d	each end
Blocking to Sill or Top Plate (Toe-nailed)	3-16d	4-16d	each blocks
Ledger strip to Beam or Girder (Face-nailed)	3-16d	4-16d	each joist
Joist on Ledger to Beam (Toe-nailed)	3-8d	3-10d	per joist
Band Joist to Joist (End-nailed)	3-16d	4-16d	per joist
Band Joist to Sill or Top Plate (Toe-nailed)	2-16d	3-16d	per foot
Rim joist to top plate (Toe-nailed)	8d	8d	6" o.c.
Rim joist or blocking to sill plate (Toe-nailed)	8d	8d	6" o.c.
1"x6" subfloor or less to each joist (Face-nailed)	2-8d	2-8d	----
ROOF SHEATHING IRREGULAR SHANK NAILS REQUIRED			
Wood Structural Panels			
rafters or trusses spaced up to 16" o.c.	8d	10d	6" edge/6" field
rafters or trusses spaced over 16" o.c.	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/o gable overhang	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/ structural outlookers	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/ lookout blocks	8d	8d	3" edge/3" field
CEILING SHEATHING			
Gypsum Wallboard	5d coolers	-	7" edge/10" field
WALL SHEATHING IRREGULAR SHANK NAILS REQUIRED			
Wood Structural Panels			
studs spaced up to 16" o.c.	8d	10d	6" edge/6" field
studs spaced over 16" o.c.	8d	10d	6" edge/6" field
25/32" Fiberboard Panels	8d	-	3" edge/6" field
1/2" Gypsum Wallboard	5d coolers	-	7" edge/10" field
FLOOR SHEATHING			
Wood Structural Panels			
1" or less	8d	10d	6" edge/12" field
greater than 1"	10d	16d	6" edge/6" field

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BUILDING DETAILS

Sheet No.

AR502

ROOM FINISH SCHEDULE							
ROOM #	ROOM NAME	FLOORS		WALLS		CEILINGS 9'-0"	
		FLOOR	BASE TRIM	MATERIAL	FINISH	MATERIAL	FINISH
101	COVERED PORCH	CONCRETE, EXTERIOR FINISH	4/4X5.5" SMOOTH HARDIE TRIM, COLOR: ARCTIC WHITE.	HARDIE PLANK	LIGHT MIST	TONGUE & GROOVE	PAINT, COLOR: HICKORY SMOKE
102	OFFICE	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7037	DRYWALL	PAINT, COLOR: WHITE
103	CLOSET	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7038	DRYWALL	PAINT, COLOR: WHITE
104	UTILITY	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7039	DRYWALL	PAINT, COLOR: WHITE
105	RESTROOM	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7040	DRYWALL	PAINT, COLOR: WHITE
106	OFFICE	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7041	DRYWALL	PAINT, COLOR: WHITE
107	STORAGE	CONCRETE, INTERIOR FINISH	4" VINYL COVE BASE, COLOR: WHITE	DRYWALL	PAINT, COLOR: BALANCED BEIGE SW7042	DRYWALL	PAINT, COLOR: WHITE

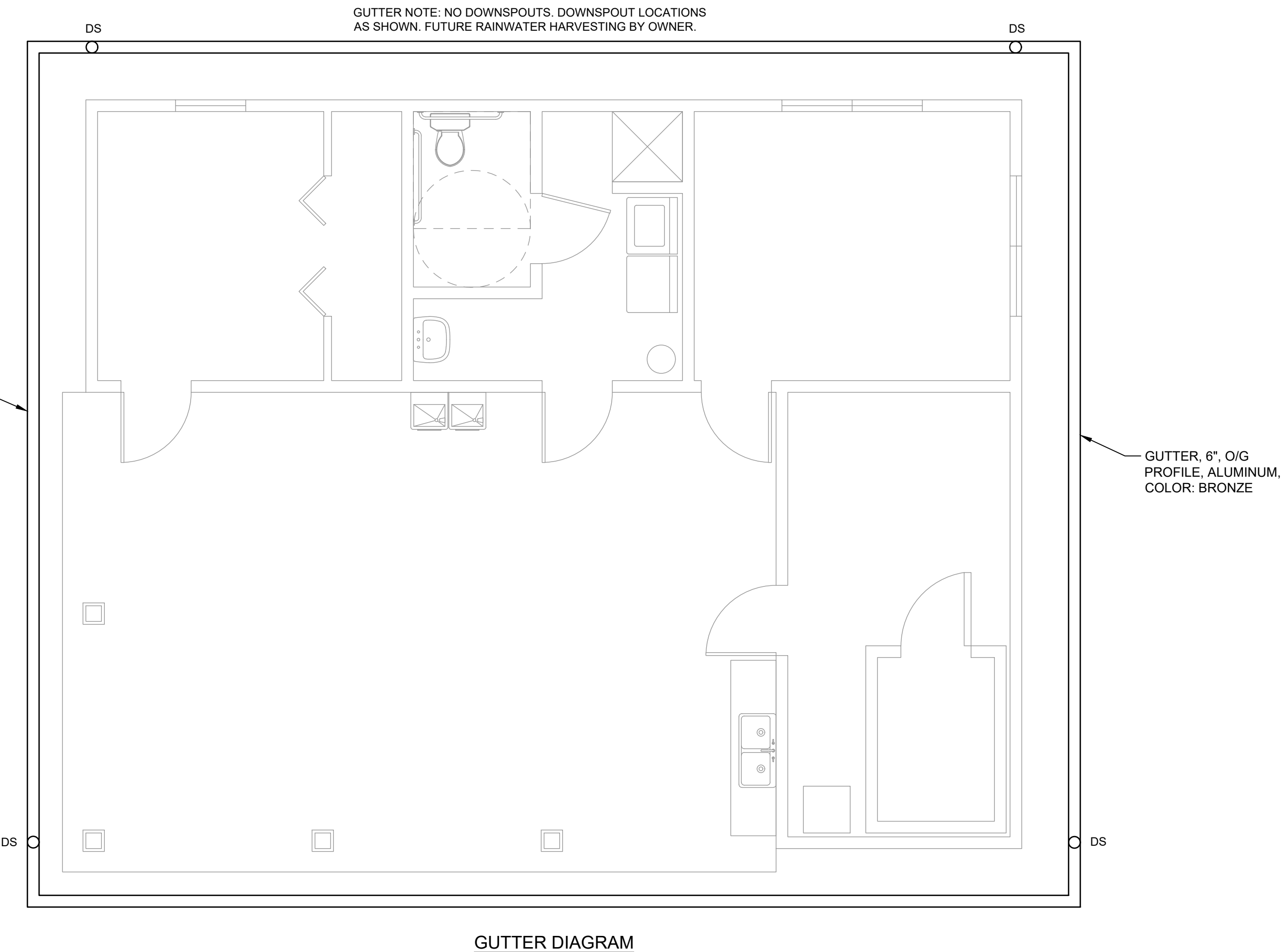
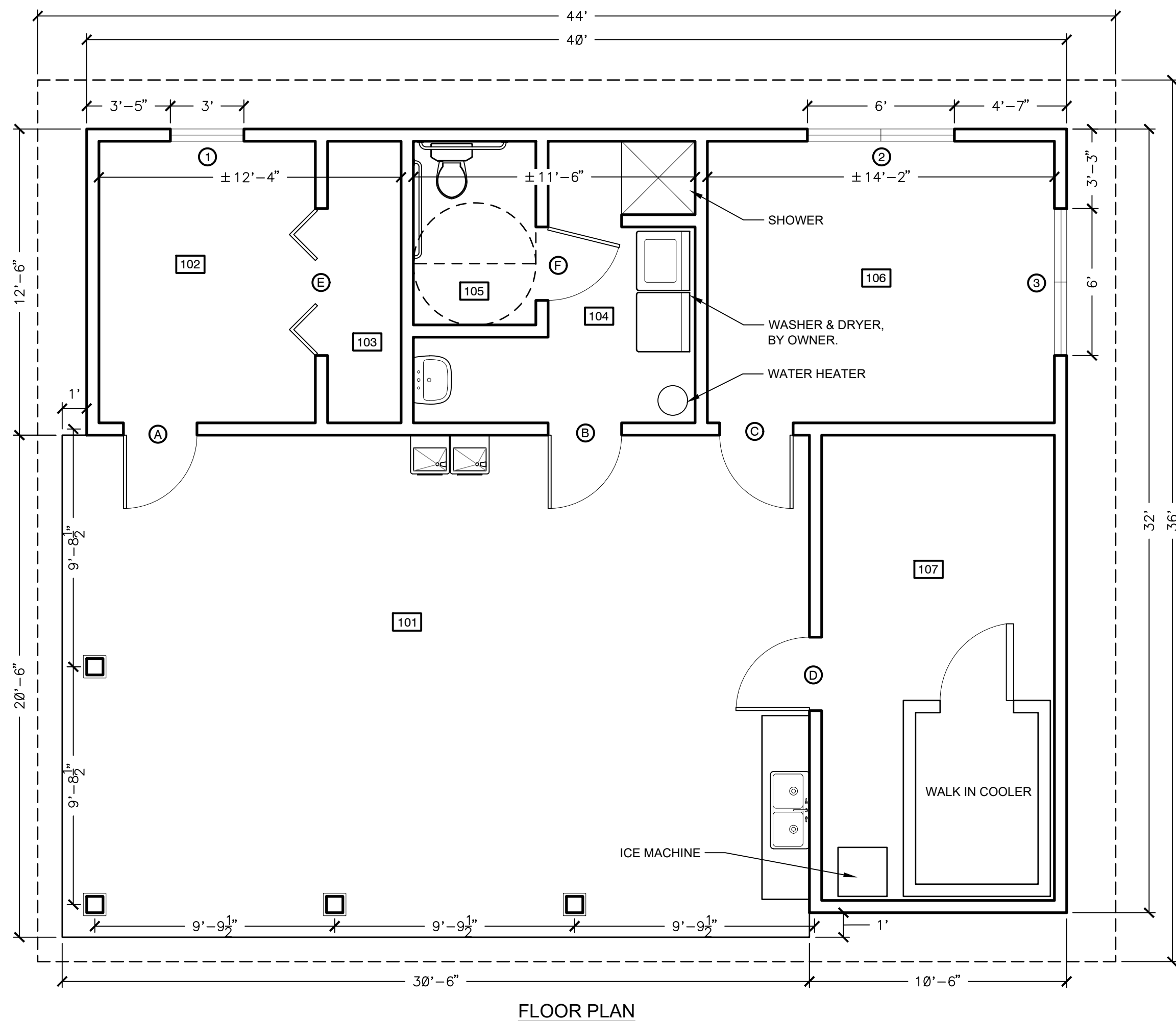
CONCRETE FINISH NOTES
 EXTERIOR CONCRETE FINISH: HARD TROWEL W/ LIGHT SOFT BROOM FINISH. COLOR: COLA STONE TONE CONCRETE ACID STAIN BY KEMIKO WITH STONE TONE SEALER II OR APPROVED EQUAL. APPLIED PER MANUFACTURER'S RECOMMENDATIONS
 INTERIOR CONCRETE FINISH: HARD TROWEL FINISH. COLOR: COLA STONE TONE CONCRETE ACID STAIN BY KEMIKO WITH STONE TONE SEALER II OR APPROVED EQUAL. APPLIED PER MANUFACTURER'S RECOMMENDATIONS

DOOR SCHEDULE											
DOOR ID	LOCATION	SIZE			BRAND	MATERIAL	STYLE	FINISH	HARDWARE		MISCELLANEOUS
		W	H	THK					HARDWARE	FINISH	
A	OFFICE	3'-0"	6'-8"	1 3/4"	JELD-WEN	STEEL	9 LITE	WHITE	LEVER HANDLE, DOUBLE-CYLINDER DEADBOLT	SATIN CHROME	WOOD JAMB, NO BRICKMOULD, WEATHER STRIPPING, DOOR SWEEP, ALUMINUM THRESHOLD. RE: 2/AR501 FOR DOOR TRIM MATERIALS
B	UTILITY	3'-0"	6'-8"	1 3/4"	JELD-WEN	STEEL	6 PANEL	WHITE	LEVER HANDLE, SINGLE-CYLINDER DEADBOLT	SATIN CHROME	WOOD JAMB, NO BRICKMOULD, WEATHER STRIPPING, DOOR SWEEP, ALUMINUM THRESHOLD. RE: 2/AR501 FOR DOOR TRIM MATERIALS
C	OFFICE	3'-0"	6'-8"	1 3/4"	JELD-WEN	STEEL	9 LITE	WHITE	LEVER HANDLE, DOUBLE-CYLINDER DEADBOLT	SATIN CHROME	WOOD JAMB, NO BRICKMOULD, WEATHER STRIPPING, DOOR SWEEP, ALUMINUM THRESHOLD. RE: 2/AR501 FOR DOOR TRIM MATERIALS
D	STORAGE	3'-0"	6'-8"	1 3/4"	JELD-WEN	STEEL	9 LITE	WHITE	LEVER HANDLE, DOUBLE-CYLINDER DEADBOLT	SATIN CHROME	WOOD JAMB, NO BRICKMOULD, WEATHER STRIPPING, DOOR SWEEP, ALUMINUM THRESHOLD. RE: 2/AR501 FOR DOOR TRIM MATERIALS
E	CLOSET	6'-0"	6'-8"	1 3/8"	JELD-WEN	COMPOSITE	COLONIST 6 PANEL DOUBLE BI-FOLD	WHITE	INCLUDED W/ DOOR	SATIN CHROME	WOOD JAMB. RE: 2/AR501 FOR DOOR TRIM MATERIALS
F	RESTROOM	3'-0"	6'-8"	1 3/8"	JELD-WEN	COMPOSITE	COLONIST 6 PANEL	WHITE	PRIVACY LEVER HANDLE	SATIN CHROME	WOOD JAMB. RE: 2/AR501 FOR DOOR TRIM MATERIALS

SPECIALTY APPLIANCE SPECIFICATIONS:
 ICE MACHINE: MANITOWOC MODEL RNPO320A NUGGET ICE MACHINE ON D-420 BIN.
 WALK-IN COOLER: NORLAKE FAST-TRAK WALK-IN COOLER. 6' W X 8' L. 7'4" H FLOORLESS. DOOR: KL30X78. SPLIT-PAK REMOTE REFRIGERATION SYSTEM MODEL MHMD010AB 1 H.P. COMPRESSOR: RST70C1E-PFV. INTERIOR & EXTERIOR STAINLESS STEEL DIAMOND TREAD DOOR KICK PLATES. INCLUDE SHELVING SYSTEM.

WINDOW SCHEDULE						
WINDOW #	SIZE		BRAND	SERIES	GRILLE	MISCELLANEOUS
	W	H				
1	3'-0"	4'-0"	JELD-WEN	PREMIUM ATLANTIC VINYL	NO GRILLE	
2	6'-0"	4'-0"	JELD-WEN	PREMIUM ATLANTIC VINYL	NO GRILLE	DOUBLE 3'-0" X 4'-0"
3	6'-0"	4'-0"	JELD-WEN	PREMIUM ATLANTIC VINYL	NO GRILLE	DOUBLE 3'-0" X 4'-0"

WINDOW NOTES
 • ALL WINDOWS TO BE RATED FOR LARGE MISSILE IMPACT.
 • ALL WINDOWS SHALL BE DESIGNED CAPABLE OF RESISTING A WIND LOAD OF 154 MILES PER HOUR ULTIMATE.
 • ALL WINDOWS TO BE SINGLE HUNG.



1 BUILDING FLOOR PLAN & GUTTER DIAGRAM
 1/4" = 1'-0"



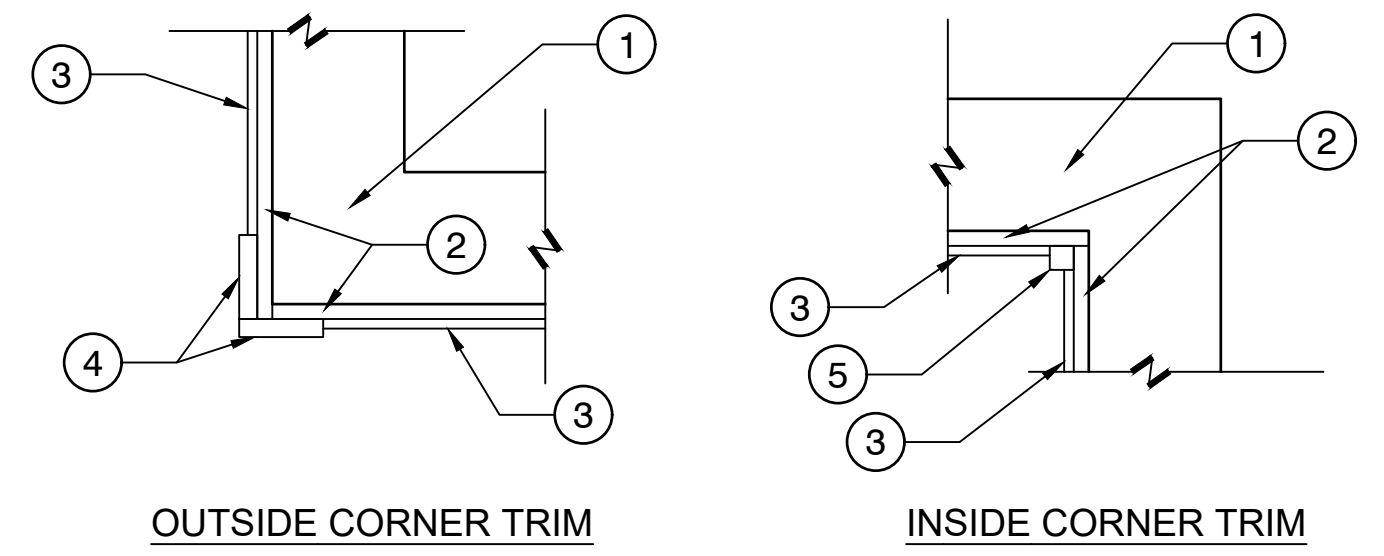
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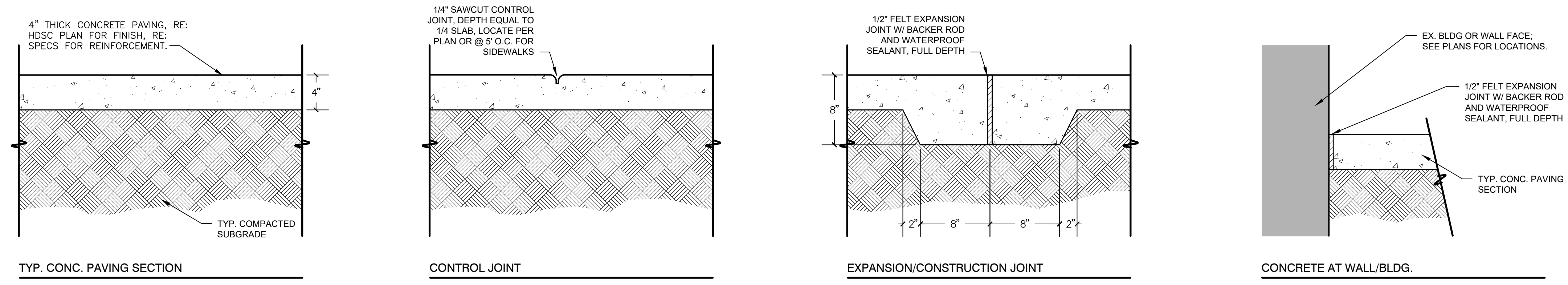
Registration
 STATE OF ALABAMA
 LESTER CHAD
 ARCHITECT
 REGISTERED LANDSCAPE ARCHITECT
 NUMBER 518

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- BUBBLE CALLOUT LEGEND**
- ① STUD WALL, TYP.
 - ② SHEATHING, TYP.
 - ③ LAP SIDING, TYP.
 - ④ HARDIE TRIM, 5/4 X 3.5 SMOOTH TRIM BOARD, COLOR: WHITE
 - ⑤ HARDIE TRIM, 5/4 SMOOTH TRIM BOARD RIPPED TO 1" SQUARE, COLOR: WHITE

4 EXTERIOR CORNER TRIM
1 1/2" = 1'-0"
SSTR-SHED-CGA-31



3 PEDESTRIAN CONCRETE PAVING
1 1/2" = 1'-0"
321313.13-11

BATHROOM ACCESSORY SCHEDULE

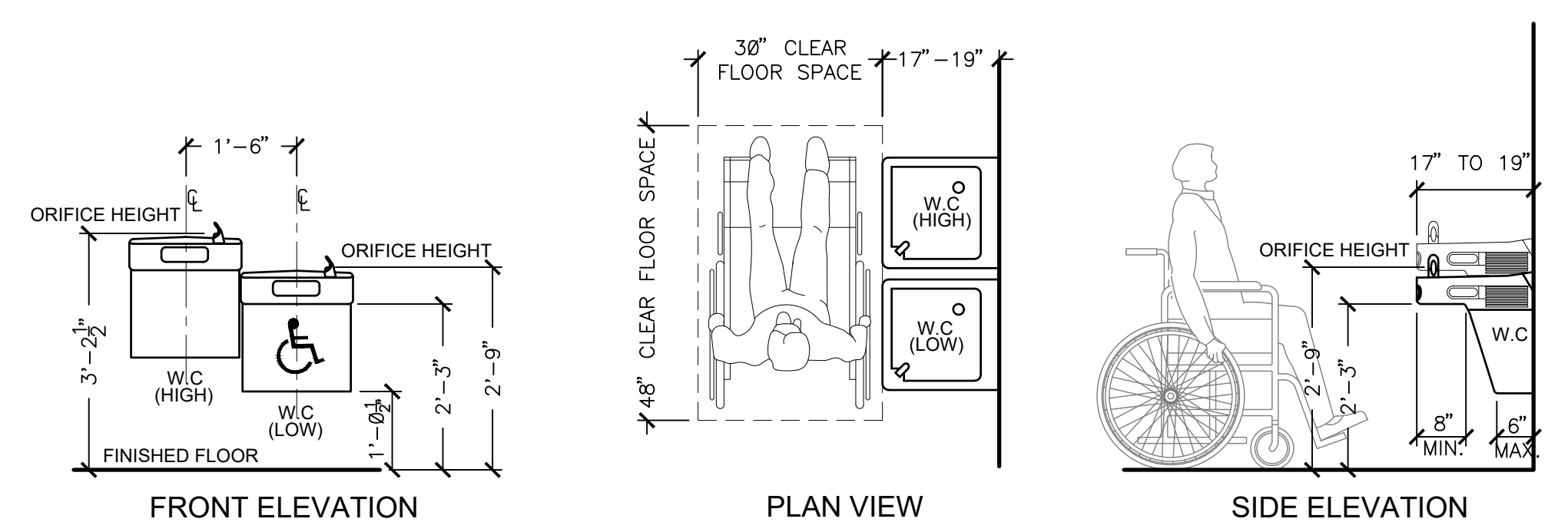
ITEM	RESPONSIBLE PARTY
GRAB BARS	CONTRACTOR
ADA MIRROR	CONTRACTOR
T.P. DISPENSER	OWNER
SOAP DISPENSER	OWNER
PAPER TOWEL DISPENSER	OWNER

Revisions

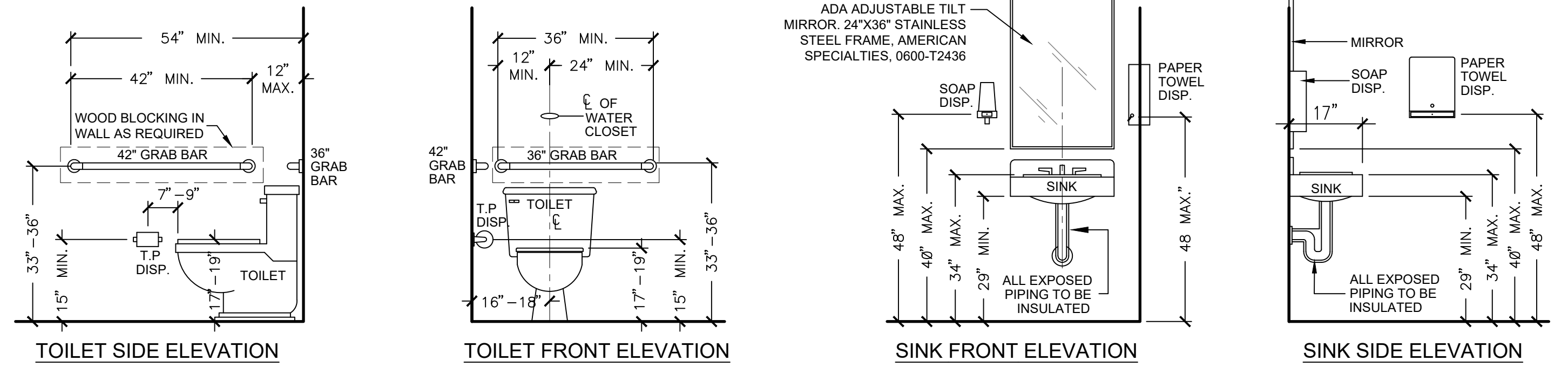
No.	Date	Revisions / Submissions
03.31.21		FOR CLIENT REVIEW
04.09.21		FOR CLIENT REVIEW
07.26.21		BID SET
10.13.21		ADDENDUM NO. 3

BH
Drawn
DM
Checked
216003-017
Project No.
03.23.21
Date

Registration
STATE OF ALABAMA
LESTER CHAUDREY
REGISTERED LANDSCAPE ARCHITECT
MEMBER
518



1 ACCESSIBLE WATER COOLERS
1/2" = 1'-0"
010353-01



2 ACCESSIBLE TOILET ROOM
1/2" = 1'-0"
010349-01

Sheet Title

BUILDING DETAILS

Sheet No.
AR504

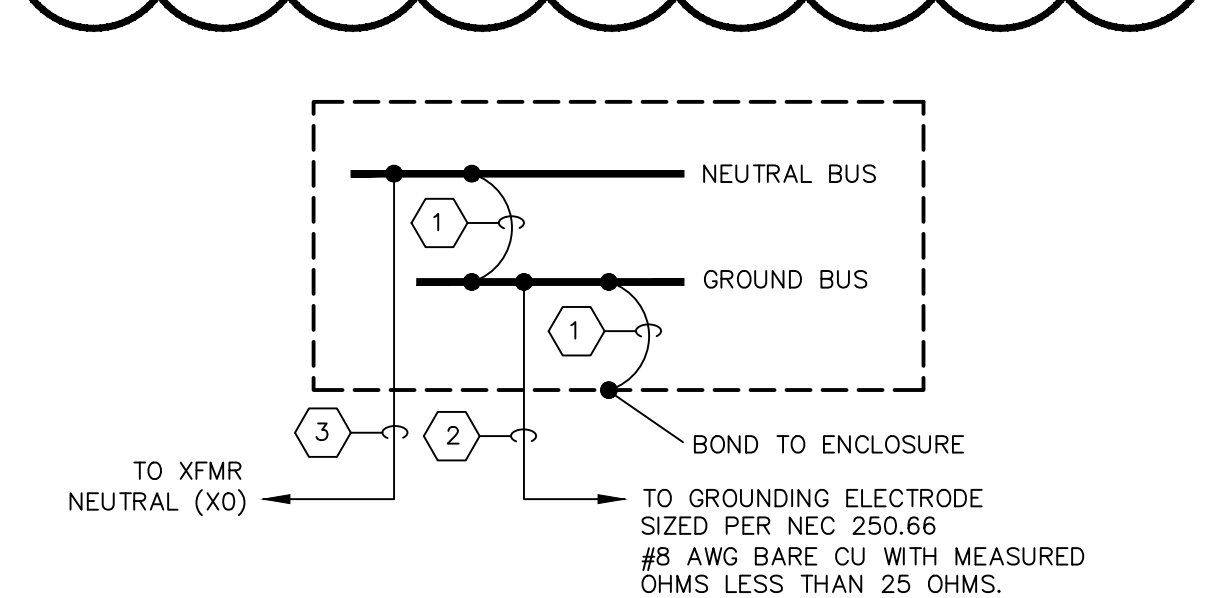
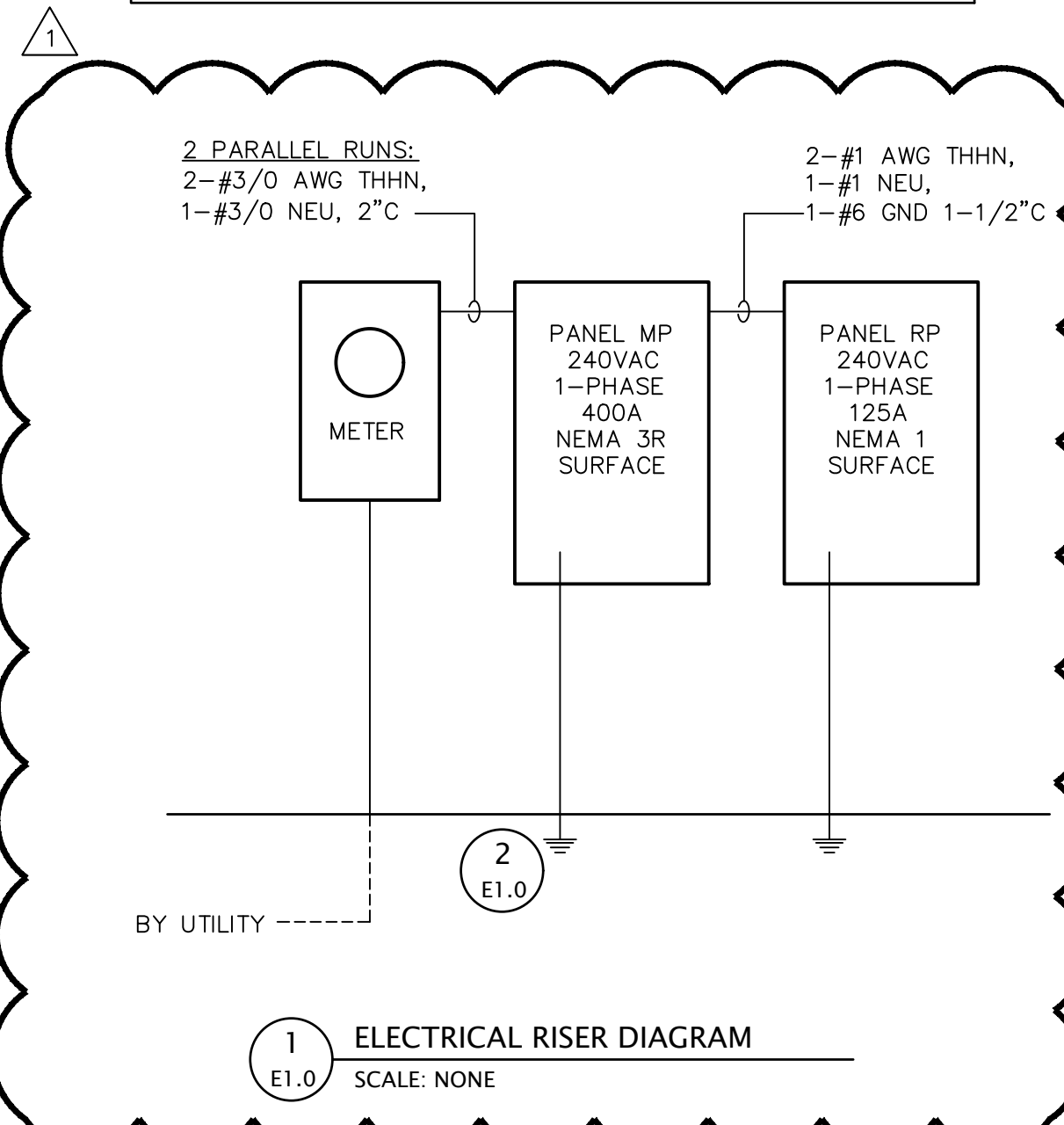
PANEL MP											
VOLTAGE (L-N): 120				ENCLOSURE TYPE: NEMA 1							
VOLTAGE (L-L): 240				MOUNTING: SURFACE							
PHASES, WIRES: 1 ϕ , 3 W				AIC RATING: 22000							
MINIMUM BUS CAPACITY (A): 400 A				NOTES: -----							
MAIN O.C. DEVICE (A): 400 A											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO
				A	B	C	D				
1,3	PANEL RP	100	2	12418	1736			2	20	EW-1	2,4
1,3	PANEL RP	100	2			10997	1736	2	20	EW-1	2,4
5,7	AHU-1	40	2	4560	1456			2	20	EW-2	6,8
5,7	AHU-1	40	2			4560	1456	2	20	EW-2	6,8
9,11	HP-1	30	2	1289	3120			2	40	GRINDER PUMP	10,12
9,11	HP-1	30	2			1289	3120	2	40	GRINDER PUMP	10,12
13	SPARE	20	1	0	0			1	20	SPARE	14
15	SPARE	20	1			0	0	1	20	SPARE	16
17	SPARE	20	1	0	0			1	20	SPARE	18
19	SPARE	20	1			0	0	1	20	SPARE	20
21	SPARE	20	1	0	0			1	20	SPARE	22
23	SPARE	20	1			0	0	1	20	SPARE	24
SFCB	HP	200	2	0	-----						
SFCB	HP	200	2			0					
				CONNECTED LOAD PHASE TOTALS (VA)							
				24579		23158					
				CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)					
				21.4	1.00	21.4		DEMAND LOAD 47.7 KVA			
Cooling and Heating Equipment				1.1	1.00	1.1		SPARE CAPACITY 48.3 KVA			
Lighting				0.6	1.25	0.8		SPARE CAPACITY 201.1 AMPS			
Motors				3.0	1.00	3.0		SPARE CAPACITY 50 %			
Motors (Largest)				7.5	1.25	9.4					
Receptacles (0 - 10 KVA)				10.0	1.00	10.0					
Receptacles (Over 10 KVA)				4.1	0.50	2.0					
TOTAL:				47.7		47.7					
LOAD (AMPS):				198.9		198.9					

PANEL RP											
VOLTAGE (L-N): 120				ENCLOSURE TYPE: NEMA 3R							
VOLTAGE (L-L): 240				MOUNTING: SURFACE							
PHASES, WIRES: 1 ϕ , 3 W				AIC RATING: 10000							
MINIMUM BUS CAPACITY (A): 125 A				NOTES: -----							
MAIN O.C. DEVICE (A): MLO											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO
				A	B	C	D				
1	LGTS, INTERIOR	20	1	372	800			1	20	REC, PAVILION	2
3	LGTS, EXTERIOR	20	1			241	800	1	20	REC, OFFICE A	4
5	REC, WASHER	20	1	1500	1560			1	20	REC, OFFICE/STORAGE	6
7	REC, BATH	20	1			200	500	1	20	TBB	8
9	EW-1	20	1	500	180			1	20	REC, ATTIC	10
11	REC, ICE MAKER	20	1			1150	600	1	20	REC, EXTERIOR	12
13,15	COOLER CU	40	2	3756	1500			2	30	COOLER EVAP	14,16
13,15	COOLER CU	40	2			3756	1500	2	30	COOLER EVAP	14,16
17,19	REC, DRYER	30	2	2250	0			1	20	SPARE	18
17,19	REC, DRYER	30	2			2250	0	1	20	SPARE	20
				CONNECTED LOAD PHASE TOTALS (VA)							
				12418		10997					
				CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)					
				1.1	1.00	1.1		DEMAND LOAD 24.9 KVA			
Equipment				0.6	1.25	0.8		SPARE CAPACITY 5.1 KVA			
Lighting				3.0	1.00	3.0		SPARE CAPACITY 21.3 AMPS			
Motors				7.5	1.25	9.4					
Motors (Largest)				10.0	1.00	10.0					
Receptacles (0 - 10 KVA)				1.1	0.50	0.6					
Receptacles (Over 10 KVA)											
TOTAL:				23.4		24.9					
LOAD (AMPS):				97.6		103.7					

LIGHTING FIXTURE SCHEDULE												
ID	DESCRIPTION	ELEC DATA		LAMP DATA		BASIS OF DESIGN				MOUNT TYPE		
		LOAD VA	VOLTAGE	QTY	WATTAGE	MANUFACTURER	MODEL OR SERIES	CELLING	WALL	PENDANT	RECESSED	SURFACE
A	2x4, SURFACE, LED	49	120	-	LED	LITHONIA	FML4W 48 AL06					
B	4" RECESSED LED	11	120	-	LED	LITHONIA	LDN4 40/10 L04AR LD					
CF	CEILING FAN W/LIGHT	44	120	-	LED	HUNTER	STYLUS W/ LED 52IN					
FL	FLOOD LIGHT	54	120	-	LED	LITHONIA	1FX1 LED 40K MVOLT 1TK DDBXD					
S	STRIP	25	120	-	LED	LITHONIA	ZL1N L48 3000LM MVOLT 40K 80CRI					
V	VANITY	30	120	-	LED	LITHONIA	FMVTSL 24IN MVOLT 40K					
WE	LED WALLPACK, EMER.	14	120	-	LED	LITHONIA	WST LED P1 40K VW MVOLT PE E7WH					
ZE	EXIT/EMER. COMBO	6	120	-	LED	LITHONIA	LHQM					

CONDUCTOR SCHEDULE			
CONDUCTORS / CONDUITS SHALL BE SIZED ACCORDING TO THE FOLLOWING CHART UNLESS OTHERWISE NOTED.			
CKT BKR	WIRE (AWG)	EQUIP. GND	CONDUIT
15	12	#12	3/4"
20	12	#12	3/4"
30	10	#10	3/4"
40	8	#10	1"
50	6	#10	1"
60	6	#10	1"
70	4	#8	1-1/4"
80	4	#8	1-1/4"
90	3	#8	1-1/4"
100	3	#8	1-1/4"
125	1	#6	1-1/2"
150	#1/0	#6	2"
175	#2/0	#6	2"
200	#3/0	#6	2"
225	#4/0	#4	2-1/2"
250	250KCMIL	#4	3"
400	600KCMIL	#2	4"

NOTES:
 1. NEUTRAL CONDUCTOR (IF REQUIRED) SHALL BE THE SAME SIZE AS PHASE CONDUCTORS.
 2. ALL HVAC OR OTHER CYCLICAL EQUIPMENT SHALL UTILIZE HACR TYPE CIRCUIT BREAKERS.
 3. CONTRACTOR TO PROVIDE QUANTITY OF CONDUCTORS AS NECESSARY TO POWER LOADS.
 4. CONDUIT SIZES BASES ON FOUR CONDUCTORS MAXIMUM. CONTRACTOR SHALL FOLLOW NEC GUIDELINES FOR DERATING AMPACITIES AND CONDUIT SIZES FOR ALL COMBINED CIRCUITS.
 5. CONDUCTORS SHALL BE COPPER. INDICATED SIZES ARE FOR USE WITH COPPER CONDUCTORS.
 6. FOR BREAKERS SIZES NOT INDICATED SUCH AS 25A, COMPLY WITH NEC SECTION 240.4 (PROTECTION OF CONDUCTORS.)
 7. CONTRACTOR SHALL COORDINATE THE REQUIRED NUMBER OF CONDUCTORS WITH EQUIPMENT MFR PRIOR TO ROUGH IN.



- ① #2/0 MAIN BONDING JUMPER
 - ② GROUNDING ELECTRODE CONDUCTOR
 - ③ SAME SIZE AS PHASE CONDUCTOR
- ② MAIN SERVICE GROUNDING DETAIL
 SCALE: N.T.S.

ELECTRICAL LEGEND

ALL ABBREVIATIONS SHOWN MAY NOT APPEAR IN DRAWINGS.

- LIGHT FIXTURE STRIP, OVERHEAD / WALL MOUNTED.
- LIGHT FIXTURE STRIP, OVERHEAD / WALL MOUNTED, EMERGENCY.
- / □ LIGHT FIXTURE SURF MTD, 1X4, 2X4.
- / □ LIGHT FIXTURE RECESSED, 1X4, 2X4.
- ⏏ EMERGENCY BATTERY PACK FIXTURE, WALL / CEILING MOUNTED.
- ⊕ / ⊕ / ⊕ LIGHT FIXTURE, OVERHEAD RECESSED, OVERHEAD / WALL MOUNTED.
- ⊕ / ⊕ / ⊕ LIGHT FIXTURE, OVERHEAD RECESSED, OVERHEAD / WALL MOUNTED. W/ BATTERY BACKUP.
- ⊕ / ⊕ EXIT SIGN, CEILING/WALL MOUNTED. W/ BATTERY BACKUP.
- S SINGLE POLE TOGGLE SWITCH, 120/277V, 20A. 3"-10" AFF
- 3 S / 4 S THREE-WAY TOGGLE SWITCH/FOUR-WAY TOGGLE SWITCH, 120/277V, 20A. 3"-10" AFF
- DM S DIMMER SWITCH. 120/277V, FLUOR/INC AND AMPERAGE AS REQUIRED. 3"-10" AFF
- / — PANEL, LIGHTING OR POWER AS SPECIFIED IN PANEL SCHEDULE.
- ⊕ SINGLE RECEPTACLE 120/277V, AMPERAGE AS REQUIRED. 1"-6" AFF
- ⊕ / ⊕ / ⊕ DUPLEX/QUAD RECEPTACLE OUTLET, 120/277V, 20A. 1"-6" AFF
- ⊕ / ⊕ / ⊕ DUPLEX/QUAD RECEPTACLE OUTLET, 120/277V, 20A. 6" ABOVE COUNTER U.N.O.
- ⊕ / ⊕ / ⊕ DUPLEX/QUAD RECEPTACLE OUTLET, ISOLATED GROUND, 120/277V, 20A. 1"-6"
- ⊕ / ⊕ / □ JUNCTION BOX, CEILING/WALL/FLOOR MOUNTED.
- ⏏ TIME CLOCK.

ELECTRICAL NOTES

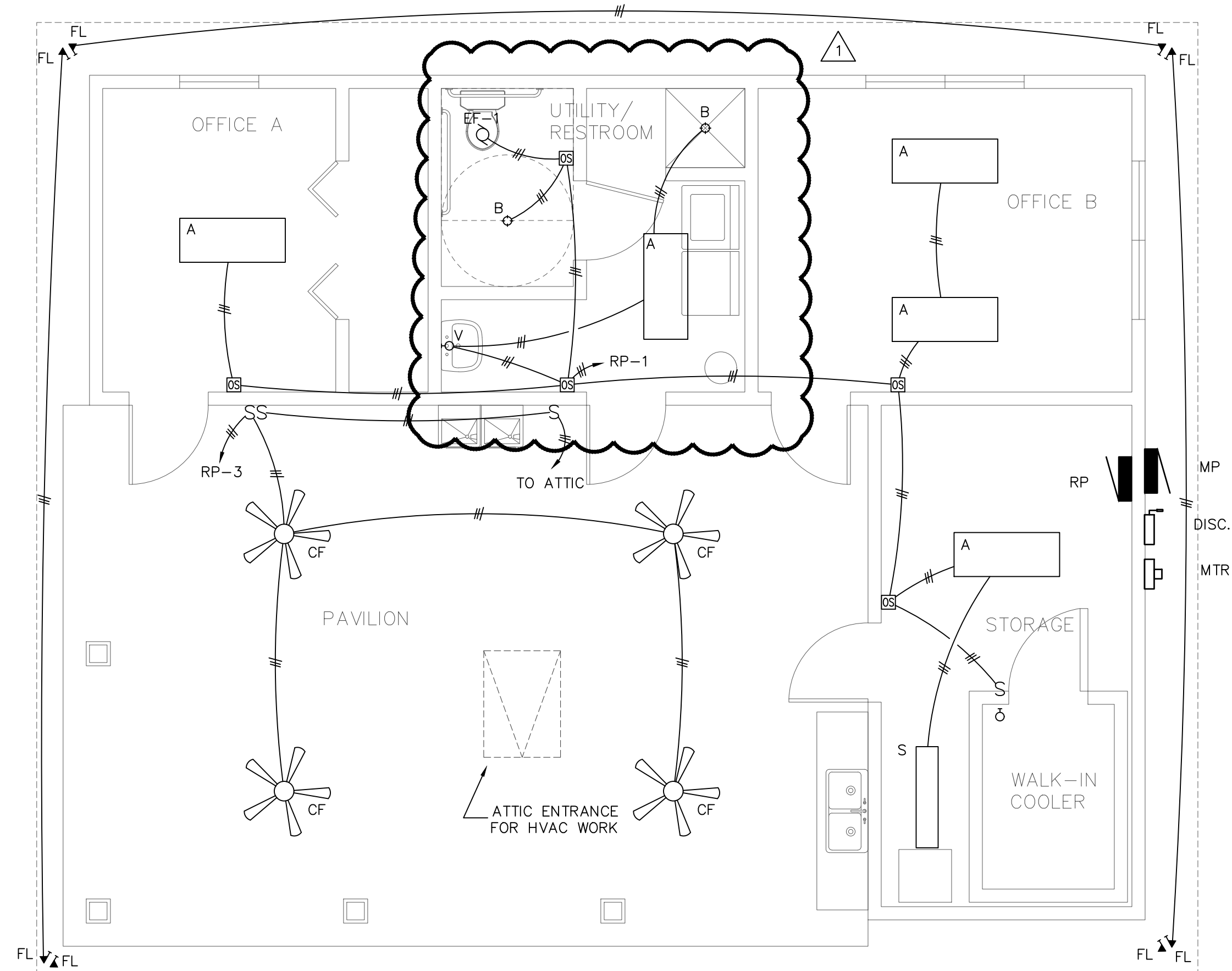
1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
2. ALL WORK SHALL COMPLY WITH IBC 2018, NEC 2017, STATE AND LOCAL CODES. VERIFY WITH AUTHORITY HAVING JURISDICTION AND COMPLY AS REQUIRED.
3. OMISSIONS OR MISDESCRIPTION OF DETAILS OF WORK WHICH ARE EVIDENTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMISSIONS AND DETAILS OF WORK, BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH & DESCRIBED.
4. EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THIS PERIOD SHALL BE CORRECTED AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
5. MATERIALS AND ALL COMPONENTS THEREOF SHALL BE NEW AND SHALL BE UL APPROVED WHERE A STANDARD HAS BEEN ESTABLISHED. COMPONENTS SHALL BE EQUAL TO THOSE SCHEDULED ON DRAWINGS.
6. ALL RACEWAY EXPOSED ON THE EXTERIOR SHALL BE RIGID GALVANIZED STEEL "RGS" OR "IMC". EMT SHALL NOT BE ACCEPTABLE. COORDINATE WITH ARCHITECT IF FINISH PAINTING SHALL BE REQUIRED.
7. VERIFY FIELD DIMENSIONS. COORDINATE WORK WITH OTHER TRADES TO AVOID INTERFERENCES.
8. ALL EXIT AND EMERGENCY LIGHTS SHALL BE UNSWITCHED AND SHALL BE SERVED FROM THE SAME CIRCUIT AS THE GENERAL LIGHTING IN THE SAME AREA U.N.O.
9. ALL ELECTRICAL PANELS SHALL HAVE ENGRAVED LAMINATED (BLACK ON WHITE) LABELS IDENTIFYING THEM AS INDICATED ON DRAWINGS.
10. ENSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER IBC, ANY APPLICABLE UL ASSEMBLIES, AND THE SPECIFICATIONS.
11. ALL COMPONENTS USED IN PLENUM SPACES SHALL BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL AND SHALL BE RATED FOR INSTALLATION IN PLENUM SPACES.
12. COLOR OF WIRING DEVICES AND PLATES SHALL BE AS SELECTED BY THE ARCHITECT. IF METAL DEVICE PLATES ARE USED, THEN DEVICE SHALL BE MOUNTED IN ORIENTATION WHERE GROUND PIN IS UP.
13. COORDINATE LAYOUT CAREFULLY WITH SYSTEMS FURNITURE AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGHING IN POWER AND COMMUNICATIONS OUTLETS TO ENSURE PROPER ORIENTATION OF OUTLETS WITH COMPONENTS OF THESE SYSTEMS.
14. CONDUCTOR SIZES INDICATED ON THE DRAWINGS HAVE BEEN SELECTED TO PROVIDE FOR ACCEPTABLE VOLTAGE DROP. DO NOT REDUCE WIRE SIZES SHOWN WITHOUT CONSENT OF ENGINEER.
15. CONDUCTORS SHALL BE SINGLE CONDUCTOR COPPER, STRANDED FOR AWG #8 AND LARGER AND SOLID FOR AWG #10 AND SMALLER, WITH 600 VOLT THHN INSULATION.
16. ALL CONDUCTORS SHALL BE INSTALLED IN METALLIC CONDUIT. PVC SCHEDULE 40, MAY BE INSTALLED BELOW GRADE WITH TRANSITIONS TO PVC SCH 80 IF CONCEALED WALL OR "RGS" IF EXPOSED ABOVE GRADE.
17. THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE AND THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
18. TELECOM OUTLETS WHERE INSTALLED ADJACENT TO RECEPTACLE OUTLETS, SHALL HAVE UNIFORM SPACING BETWEEN RESPECTIVE DEVICES. E.C. SHALL UTILIZE MOUNTING PROVISIONS BETWEEN STUDS, IF REQUIRED, TO MAINTAIN THIS REQUIREMENT.

Revisions		Revisions / Submissions	
No.	Date		
	03.31.21	FOR CLIENT REVIEW	
	04.09.21	FOR CLIENT REVIEW	
	07.26.21	BID SET	
1	10.13.21	ADDENDUM NO. 3	

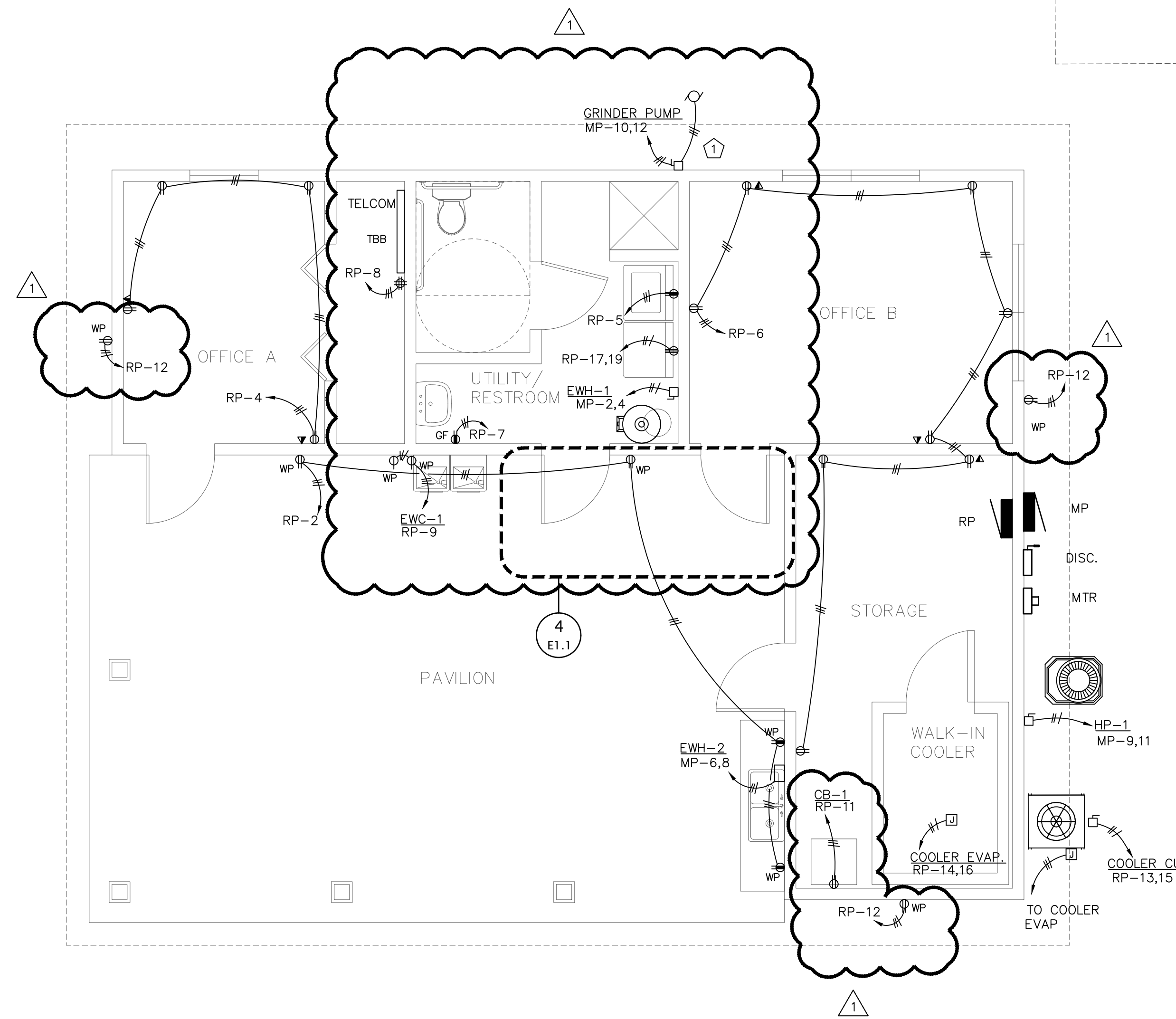
Registration
 CWS Drawn
 CWS Checked
216003-017
 Project No.
 10.13.21
 Date

Sheet Title

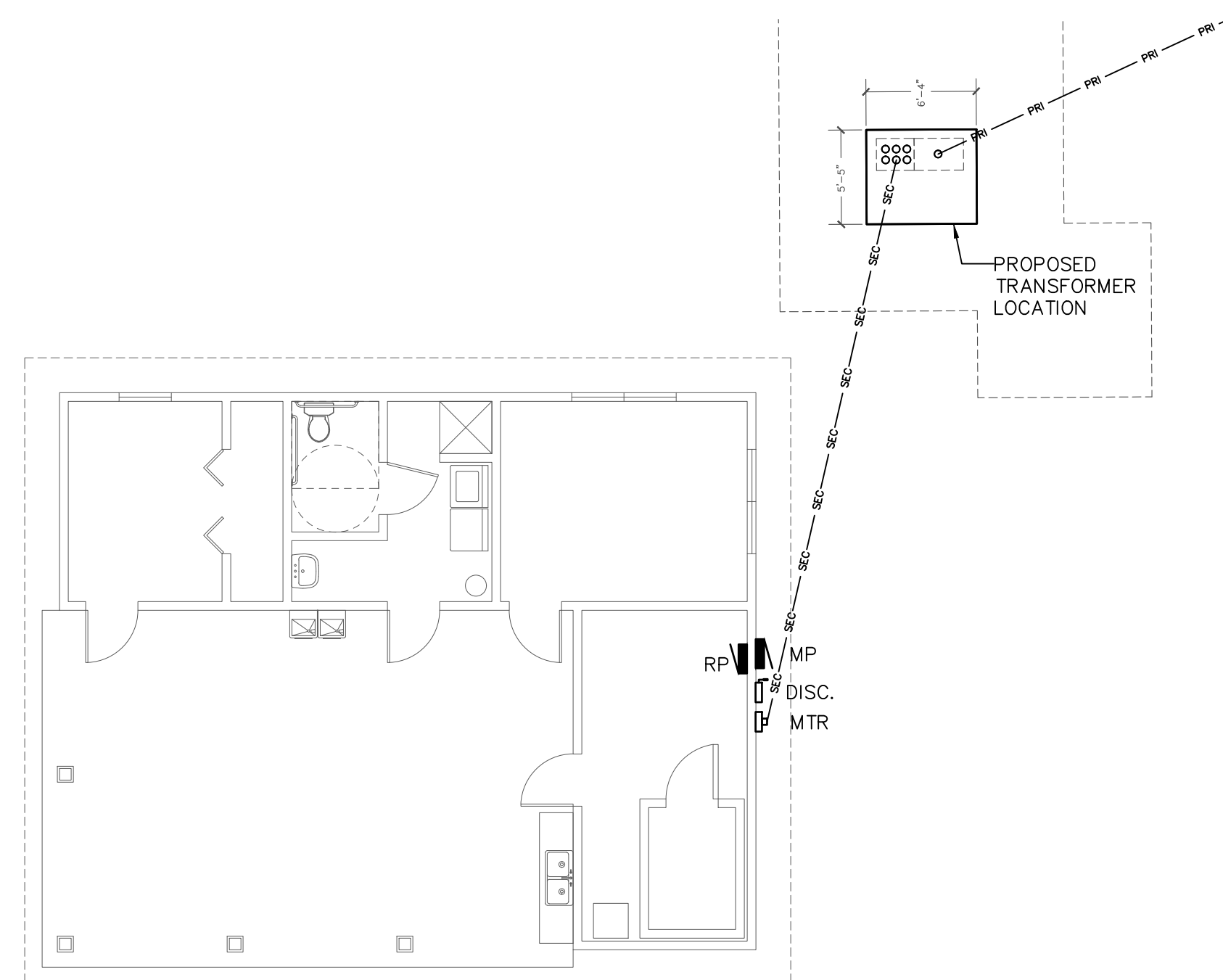
ELECTRICAL NOTES, LEGEND, & SCHEDULE



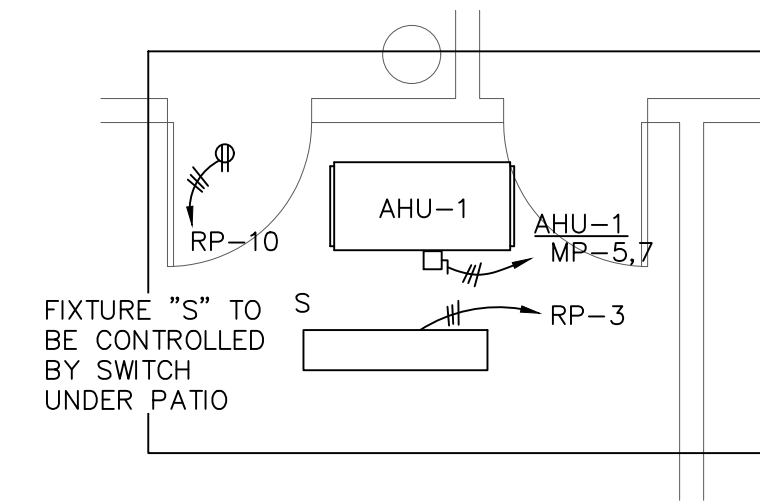
1 LIGHTING PLAN
E1.1 SCALE: 1/4" = 1'-0"



2 POWER & AUX. PLAN
E1.1 SCALE: 1/4" = 1'-0"



3 SITE ELECTRICAL PLAN
E1.1 SCALE: 1/4" = 1'-0"



4 ATTIC ELECTRICAL PLAN
E1.1 SCALE: 1/4" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

- 1 CONTRACTOR SHALL RELOCATE EXISTING GRINDER PUMP TO NEW LOCATION LOCATION. VERIFY LOCATION PRIOR TO INSTALLATION.

A Landscape Development Plan for
Graham Creek Ag Area Building
Foley, Alabama

Revisions		
No.	Date	Revisions / Submissions
03.31.21		FOR CLIENT REVIEW
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Registration
GWS
Drawn
GWS
Checked
216003-017
Project No.
10.13.21
Date

Sheet Title

**ELECTRICAL
PLAN**

Sheet No.

E1.1

PLUMBING SYMBOL LEGEND

- DCW PIPING
- DHW PIPING
- SAN— WASTE PIPING
- V----- VENT PIPING
- PIPE TURNING UP
- PIPE TURNING DOWN
- CLEANOUT
- ⌚ HOSE BIBB
- ⌚ WHA WATER HAMMER ARRESTOR TYPE "A" (TYP)

PLUMBING ABBREVIATIONS

ALL ABBREVIATIONS SHOWN MAY NOT APPEAR IN DRAWINGS. REFER TO HVAC DRAWINGS FOR HVAC EQUIPMENT ABBREVIATIONS.

- AFF ABOVE FINISHED FLOOR
- AUX AUXILIARY
- CEIL CEILING
- CO CLEANOUT
- CW COLD WATER
- DCW DOMESTIC COLD WATER
- DHW DOMESTIC HOT WATER
- DIA DIAMETER
- DST DEEP SEAL TRAP
- EQUIP EQUIPMENT
- EWC ELECTRIC WATER COOLER
- EWL ELECTRIC WATER HEATER
- FCO FLOOR CLEANOUT
- FIXT FIXTURE
- HB HOSE BIBB
- HR HOUR
- MAX MAXIMUM
- MECH MECHANICAL
- MIN MINIMUM
- MTR METER
- NIC NOT IN CONTRACT
- PENE PENETRATION
- RM ROOM
- SAN SANITARY
- SURF SURFACE
- SYS SYSTEM
- T & P TEMPERATURE & PRESSURE
- TEMP TEMPERATURE
- TYP TYPICAL
- VTR VENT TO ROOF
- WH WALL HYDRANT
- WHA WATER HAMMER ARRESTOR
- W/ WITH
- YCO YARD CLEANOUT

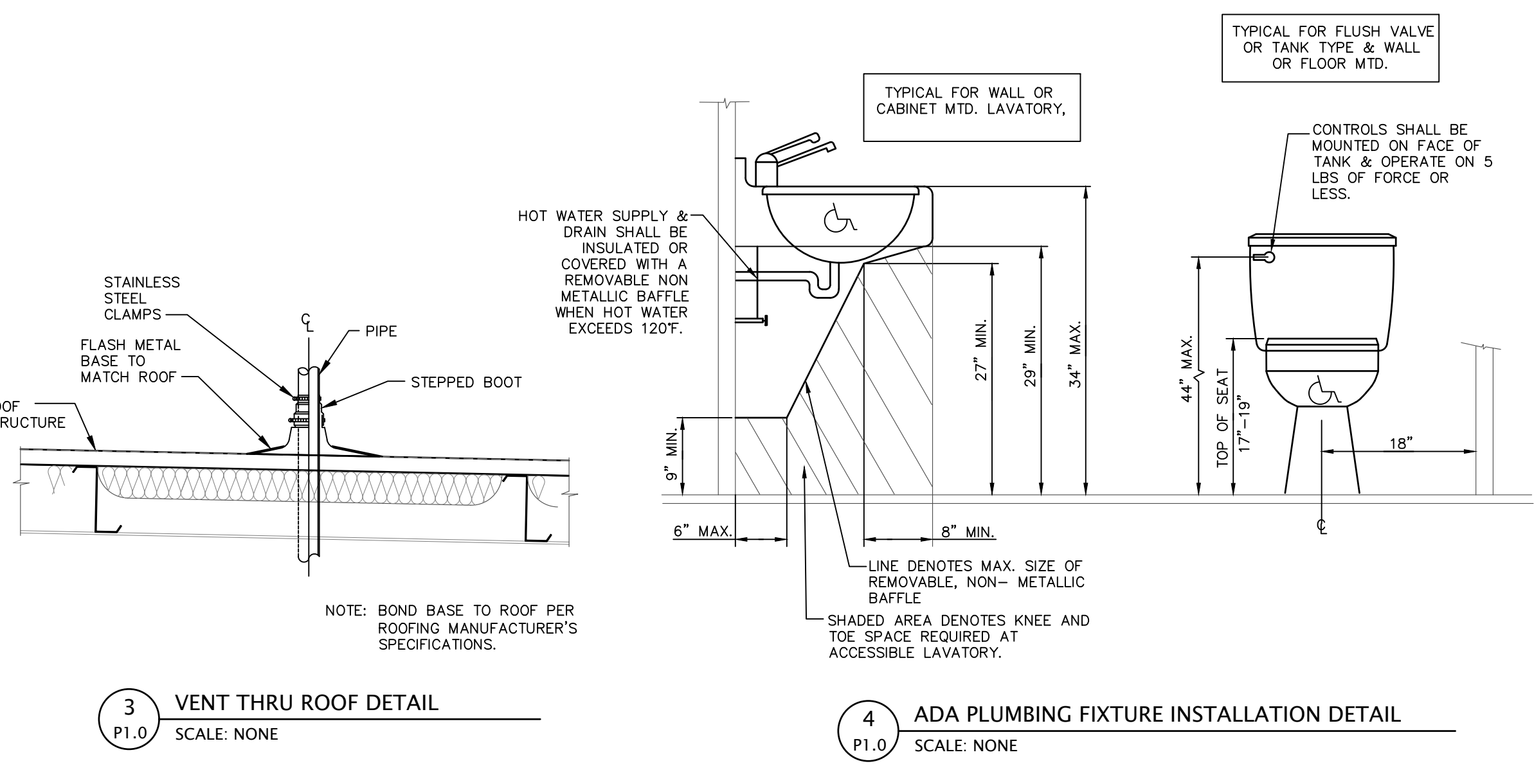
PLUMBING FIXTURE SCHEDULE	
WC-1H BARRIER FREE WATER CLOSET, ZURN ECOVANTAGE SERIES Z5562, FLOOR MOUNTED FLUSH TANK, ELONGATED, LOW CONSUMPTION, HIGH PERFORMANCE SIPHON JET/PRESSURE ASSIST, DUAL FLUSH; ZURN Z5956SS-AM-EL OPEN FRONT ELONGATED SEAT WITHOUT COVER AND ANTI-MICROBIAL PROTECTION; ZURN Z8800-CR STOP WITH FLEX. CLOSET RISER. MOUNT FIXTURE AT ADA HEIGHT WITH RIM AT 16-3/4" AFF. CONNECTIONS: CW 1/2", WASTE 3", VENT 2" MIN.	
LV-1H BARRIER FREE LAVATORY, WALL MOUNTED - TOTO HT242#03 PROMINENCE WITH VITREOUS CHINA CONSTRUCTION AND 4" FAUCET CENTERS; TOTO LT241 FAUCET WITH LEVER HANDLES, BRASSCRAFT CR1912-A SUPPLIES; MCGUIRE 8872 TRAP; TOTO GRID DRAIN; ZURN ZR-1231 CONCEALED ARM CARRIER. PROVIDE INSULATED WRAP FOR CW SUPPLY, HW SUPPLY, AND SANITARY WASTE PIPING ON HANDICAPPED FIXTURES. MOUNT FIXTURE WITH RIM AT 34" AFF. CONNECTIONS: CW 1/2", HW 1/2", WASTE 1 1/4", VENT 1" MIN.	
FD-1 FLOOR DRAIN, J.R. SMITH 2005/2010 SERIES COATED CAST IRON BODY WITH ADJUSTABLE COLLAR, COMBINATION MEMBRANE CLAMP, AND TRAP PRIMER CONNECTION. PROVIDE WITH 6" ROUND, POLISHED NICKEL BRONZE STRAINER.	
SK-1 SINK, THREE COMPARTMENT - EAGLE GROUP 314 SERIES COVED CORNER SINK, STAINLESS STEEL SINK; ALLEN KITCHEN FAUCET DECK MOUNTED WITH SPRAY ATTACHMENT, GRID DRAIN; MCGUIRE 8912 TRAP; BRASSCRAFT CR1912-A SUPPLIES. CONNECTIONS: CW 1/2", 110°F HW 1/2", WASTE 2", VENT 1 1/2" MIN.	
SH-1H ACCESSIBLE SHOWER, AQUATIC 36"x36" W/ CENTER DRAIN, RIGHT SEAT, SHELF, AND GRAB BAR, ZURN Z7301-SS-MT-DV2P-HW-H7-SB TEMP-GARD III SHOWER UNIT KIT WITH SINGLE HANDLE PRESSURE BALANCING & MIXING UNIT, 1.5 GPM SHOWER HEAD, FLEX METAL HOSE, INLINE VACUUM BREAKER, WALL CONNECTION, FLANGE AND WALL HOOK FOR HAND SHOWER, PRESSURE BALANCING MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, 2.5 GPM SHOWER HEAD WITH ARM AND FLANGE. CONNECTIONS: CW 1/2", HW 1/2" TEMPERATURE LIMITING TO 110°F, WASTE 2", VENT 1-1/2" MIN.	
EWC-1, ELECTRIC WATER COOLER, SPLIT LEVEL, WALL MOUNTED WITH BOTTLE FILLER ELKAY LZSTLBSVRSK OR EQUAL WITH BOTTLE FILLER/FOUNTAIN ON LEFT AT ADA LEVEL; MCGUIRE 8902 TRAP; BRASSCRAFT 1912-A SUPPLY. MOUNT WITH LOWER SPOUT AT 36" AFF. CONNECTIONS: CW 1/2", WASTE 2", VENT 2" MIN.	
CB-1, ICE MAKER CONNECTION. PROVIDE SHUT-OFF VALVES AND WATER HAMMER ARRESTORS. CONNECTIONS: CW 1/2".	
LD-1, WASHING MACHINE BOX. PROVIDE SHUT-OFF VALVES AND WATER HAMMER ARRESTORS. CONNECTIONS: CW 1/2", HW 1/2", WASTE 3", VENT 3" MIN.	
HB-1 HOSE BIBB, EXPOSED, NON-FREEZE, WALL HYDRANT WITH INTEGRAL VACUUM BREAKER	
<p>1. (ADA) DENOTES FIXTURE TO BE DESIGNED, MANUFACTURED AND MOUNTED FOR HANDICAPPED ACCESSIBILITY.</p> <p>2. PROVIDE MANUFACTURERS AND MODEL NUMBERS LISTED ABOVE OR APPROVED EQUALS IN STRICT ACCORDANCE WITH ARCHITECTURAL INTERIOR & RESTROOM ELEVATIONS FOR PROPER MOUNTING/FIXTURE HEIGHTS.</p> <p>3. ALL FIXTURES AND ADDITIONAL COMPONENTS/FITTINGS REQUIRED FOR SPECIFIC HEIGHT INSTALLATION SHALL BE COORDINATED/VERIFIED WITH THE MOST CURRENT ARCHITECTURAL DRAWINGS PRIOR TO ORDERING OR ROUGH-IN.</p>	

1

WATER HEATER SCHEDULE													
TAG	ELECTRIC DATA				HYDRONIC DATA					BASIS OF DESIGN		WEIGHT	NOTES
	FLA	MOCP	VOLT PHASE	KW	EWT	LWT	RATE OF RECOVERY	RISE OF RECOVERY	CAPACITY (GAL)	MFGR	MODEL		
	AMPS	AMPS			DEG.F	DEG.F	GPM	DEG. F					
EWH-1	16.7	20	208/1	4	60°F	140°F	.33	80	30	RHEEM	ELDS30	105	ALL
EWH-2	14	20	208/1	3	60°F	110°F	1.0	50	-	STIEBEL	DHC 4-2	5.3	1,3

NOTES:
 1. 3/4" INLET OUTLET CONNECTIONS
 2. SUPPLY 140°F WATER TO MOP SINK AND 110°F WATER TO LAVATORIES. LAVATORIES SHALL BE EQUIPPED WITH INDIVIDUAL TEMPERATURE LIMITING DEVICES THAT CONFORM WITH ASSE 1070.
 3. OPERATING PRESSURE BETWEEN 20PSI TO 150 PSI

PLUMBING FIXTURE UNITS SCHEDULE (FLUSH TANK)				
MARK	FIXTURE/EQUIPMENT	CWFU	HWFU	DWFU
WC	WATER CLOSET	2.2	-	2.2
LV	LAVATORY	0.5	0.5	0.7
EWC	ELEC. WATER COOLER	0.25	-	0.25
FD	FLOOR DRAIN	-	-	2
SH	SHOWER	1.0	1.0	1.4
SK	SINK	1.0	1.0	1.4
LD	WASHING MACHINE BOX	1.0	1.0	3
CB	ICE MAKER	1.0	-	2
HB	HOSE BIBB	2	-	-
FIXTURE UNIT TOTALS		8.95	3.5	12.95
PEAK GPM EQUIVALENT		13.7	8	16.5



GENERAL PLUMBING NOTES:

- FURNISH ALL LABOR, MATERIALS, TOOLS, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE SANITARY, VENTING AND DOMESTIC WATER SYSTEM. INCLUDE ANY LABOR AND MATERIAL NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL WORK SHALL BE INSTALLED IN A PROFESSIONAL MANNER AND SHALL MEET ALL THE REQUIREMENTS OF THE 2018 INTERNATIONAL PLUMBING CODE, NFPA AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. ALL COSTS FOR SAID REQUIREMENTS SHALL BE INCLUDED IN THIS CONTRACTORS BID PRICE.
- THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AND PERFORM ALL TESTS CALLED FOR OR REQUIRED AS A PART OF HIS WORK. FURNISHED APPROVED CERTIFICATE OF FINAL INSPECTION, AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.
- PLUMBING PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, HVAC, FIRE PROTECTION, STRUCTURAL, ELECTRICAL AND OTHER BUILDING DRAWINGS.
- LAY OUT PIPING BASICALLY AS SHOWN. MAJOR CHANGES IN LAYOUT MAY BE MADE ONLY WITH WRITTEN CONSENT OF ARCHITECT OR ENGINEER.
- COLOR OF FIXTURES AND TRIM SHALL BE AS SELECTED BY OWNER/ARCHITECT.
- FIXTURES INDICATED AS BARRIER FREE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
- PROVIDE WATER HAMMER ARRESTORS ON POTABLE WATER ROUGH-INS AS INDICATED ON DRAWINGS.
- PROVIDE ELECTRICAL CONTRACTOR WITH EXACT WIRING REQUIREMENTS. IF ELECTRICAL REQUIREMENTS VARY FROM THOSE INDICATED ON PLANS, PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSOCIATED ADDITIONAL COSTS.
- REFER TO SITE PLAN FOR ROUTING OF WATER AND SEWER.
- ALL WATER LINES, BOTH HOT AND COLD, SHALL BE AS FOLLOWS:
 A. LINES BELOW GRADE SHALL BE TYPE "K" SOFT COPPER OR PEX.
 B. LINES ABOVE GRADE SHALL BE TYPE "L" SOFT COPPER.
 C. FITTINGS SHALL BE OF HARD DRAWN COPPER OF ASTM SPEC B-88.
 D. ALL JOINTING SHALL BE WITH LEAD-FREE SILVER SOLDER.
 E. EQUIPPED WITH SHOCK ABSORBERS AS REQUIRED.
- PLUMBING CONTRACTOR SHALL FURNISH & INSTALL SHUT-OFF VALVES TO ALL FIXTURES NOT OTHERWISE EQUIPPED.
- ALL WASTE PIPING SHALL BE SCHEDULE 40 PVC CONFORMING TO ASTM D- 1785. PIPING SMALLER THAN 3" SHALL BE LAID OUT AT 1/4" PER FOOT GRADE, PIPING 3" AND LARGER SHALL BE LAID OUT AT 1/8" PER FOOT GRADE. ALL VENT PIPING WITHIN PLENUM OR AIR-HANDLING SPACES SHALL BE COPPER OR CAST IRON.
- ALL WATER LINES, BOTH HOT AND COLD, SHALL BE CAPPED AND TESTED AT 100 PSI FOR 24 HOURS. ALL WASTE PIPING SHALL BE TESTED WITH A 10' WATER COLUMN FOR A 2 HR PERIOD WITH NO CHANGE IN LEVEL.
- VENT PIPING SHALL BE LAID OUT SUCH THAT ALL ROOF PENETRATIONS SHALL BE ON BACK SIDE OF ROOF. PAINT EXPOSED VENT PIPING TO MATCH ROOF.
- COORDINATE ROOF PENETRATIONS WITH ROOFING CONTRACTOR. ENSURE THAT WARRANTY REQUIREMENTS OF ROOFING MANUFACTURER ARE SATISFIED.
- MATERIALS, EQUIPMENT, AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THIS PERIOD SHALL BE CORRECTED AT THE MECHANICAL CONTRACTOR'S EXPENSE.

FIXTURE CONNECTION NOTES

- CONNECT TO PLUMBING FIXTURES AND EQUIPMENT PROVIDED UNDER THIS AND OTHER SECTIONS OF SPECIFICATION, ARCHITECTURAL DRAWINGS, AND MANUFACTURER'S SHOP DRAWINGS. PROVIDE ROUGH-IN CONNECTION AS SHOWN IN DRAWINGS.
- USE FIXTURE SCHEDULE AND DETAILS ON DRAWINGS OR MANUFACTURER'S SHOP DRAWINGS FOR CONNECTION SIZES TO FIXTURES.
- PROVIDE SEPARATE P-TRAP FOR EACH FIXTURE, FLOOR DRAIN, AND PIECE OF EQUIPMENT.
- MOUNT FIXTURES RIGID TO WALLS AS SHOWN ON DRAWINGS OR DETAILS.
- PROVIDE OUTLET DEVICES WHICH LIMIT FLOW OF HOT WATER TO LAVATORIES AND HAND SINKS TO A MAXIMUM OF 0.5 GPH AND SIZED AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED BY ASHRAE STANDARD 90-75, PARAGRAPH 7.7.2. LOCAL AND STATE ENERGY CODES.
- INSTALL LAVATORIES AND HAND SINKS WITH A MINIMUM OF 4" CLEARANCE ON EACH SIDE FROM WALL OR PARTITION.
- COORDINATE DIMENSIONS REQUIRED FOR MINIMUM FIXTURE CLEARANCE WITH OTHER DIVISIONS.
- INSTALL APPROVED CAULKING AROUND JOINTS AT FIXTURES MOUNTED ON WALL OR FLOOR.

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A Landscape Development Plan for
Graham Creek Ag Area Building
 Foley, Alabama

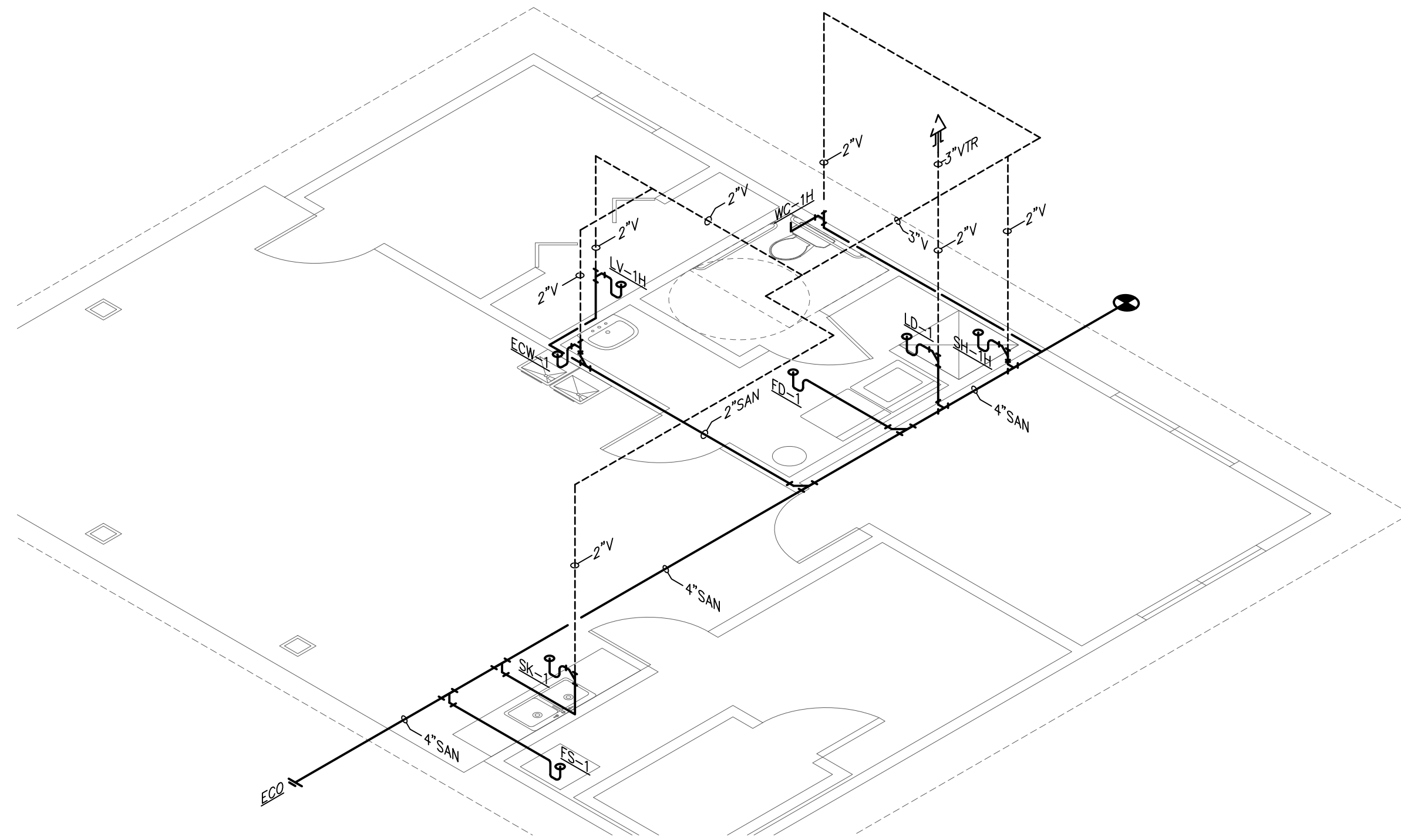
Revisions		
No.	Date	Revisions / Submissions
	03.31.21	FOR CLIENT REVIEW
	04.09.21	FOR CLIENT REVIEW
	07.26.21	BID SET
1	10.13.21	ADDENDUM NO. 3

Registration
 CWS Drawn
 CWS Checked
218003-017
 Project No.
 10.13.21
 Date

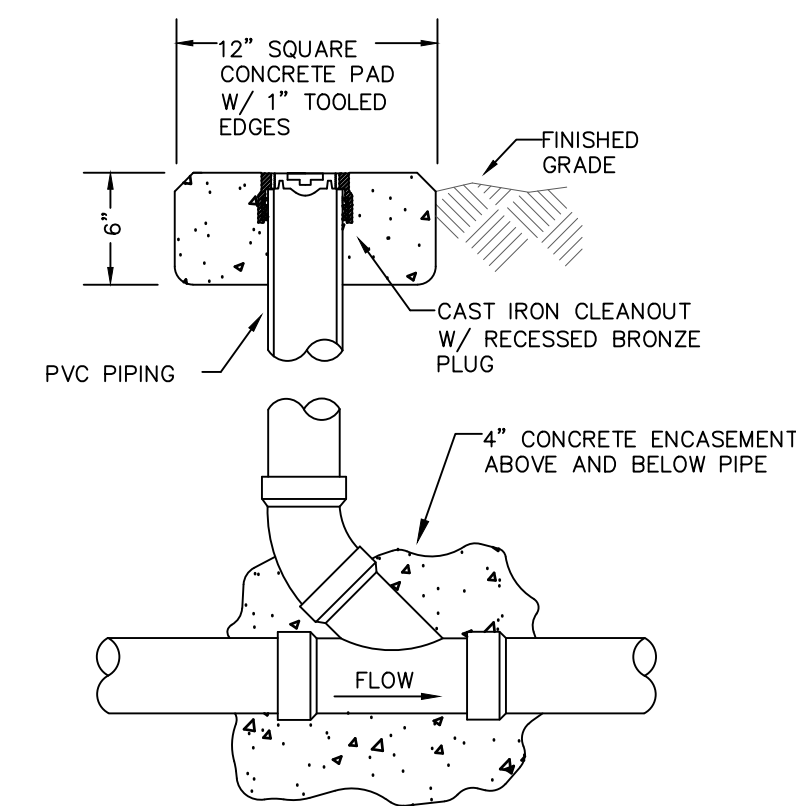
Professional Seal: W. S. [Signature] NO. 26767 PROFESSIONAL ENGINEER STATE OF ALABAMA 10/13/21

Sheet Title
PLUMBING SCHEDULE & DETAILS

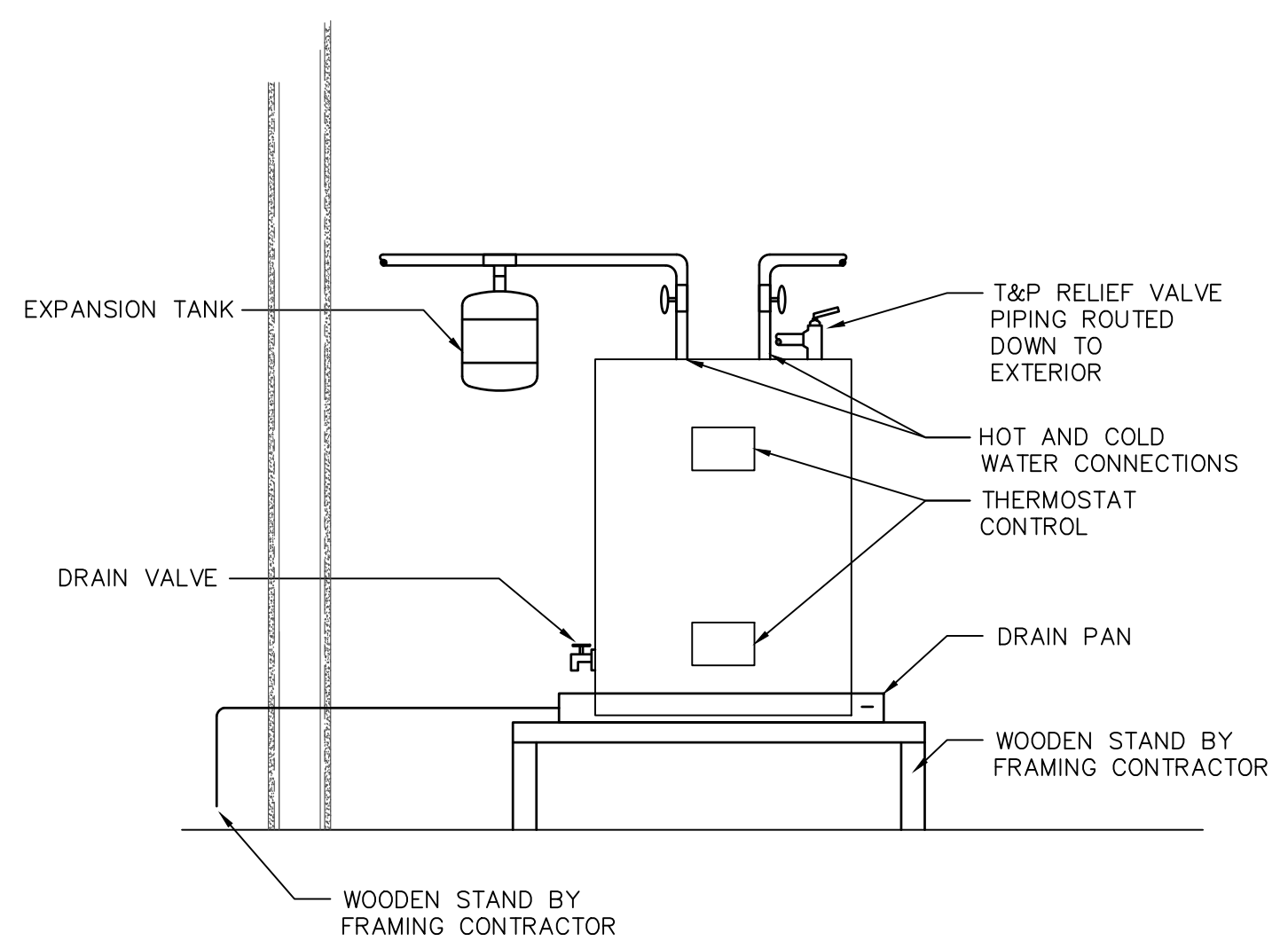
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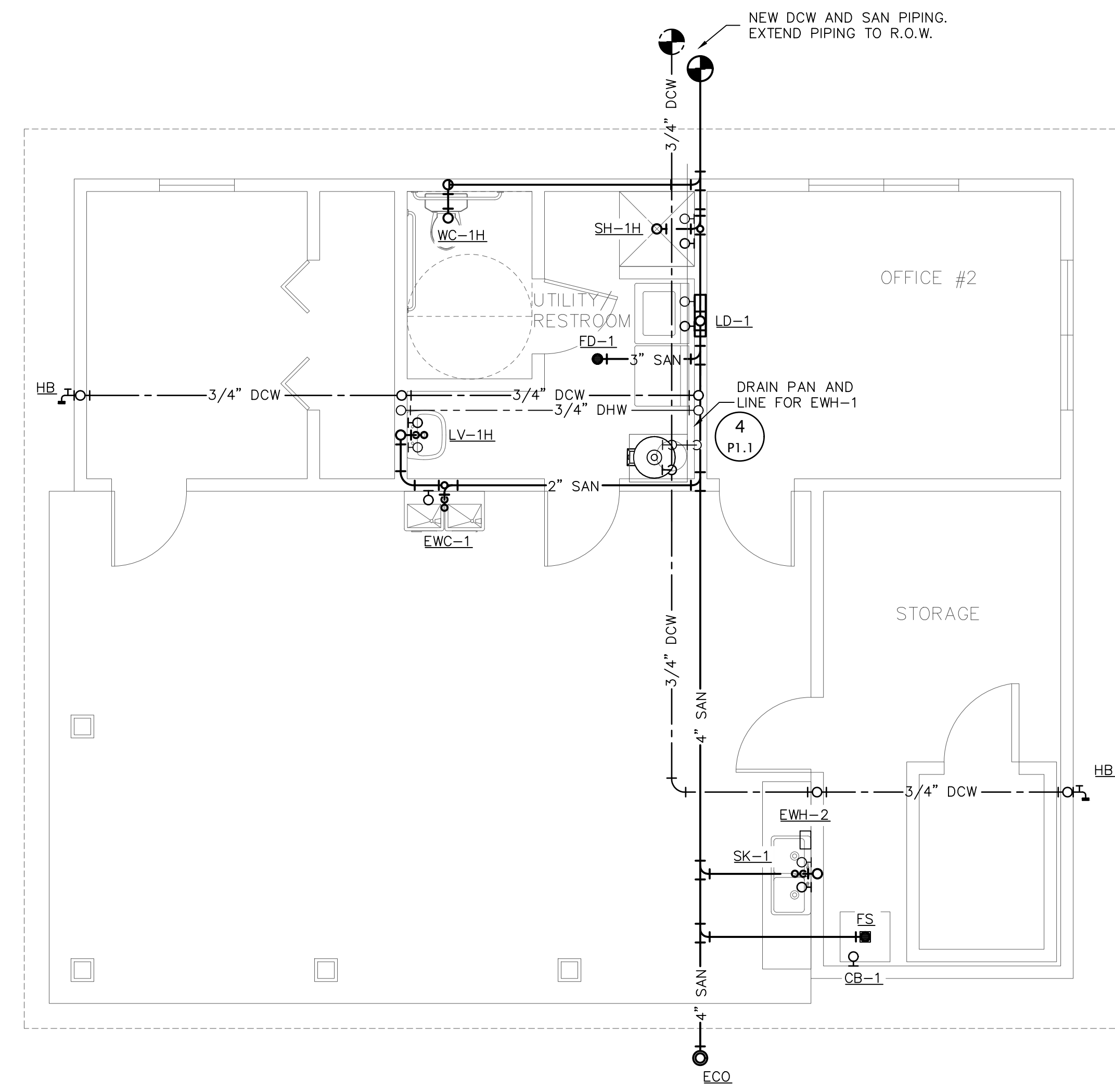
2 SANITARY WASTE RISER
 P1.1 SCALE: NONE



3 OUTDOOR CLEANOUT DETAIL
 P1.1 SCALE: NONE



4 HVAC CLOSET/WATER HEATER DETAIL
 P1.1 SCALE: N.T.S.



1 PLUMBING PLAN
 P1.1 SCALE: 1/4" = 1'-0"

ENTIRE SHEET REVISED

Revisions		
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