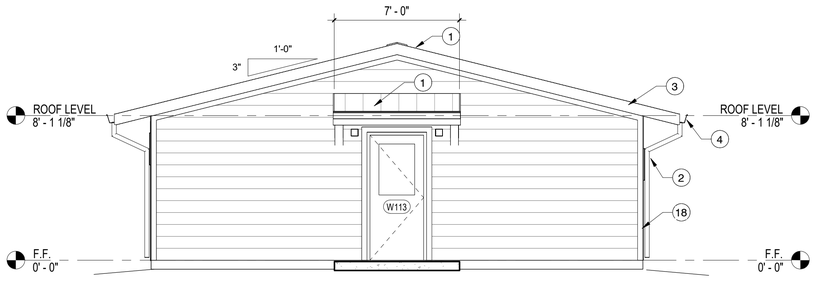
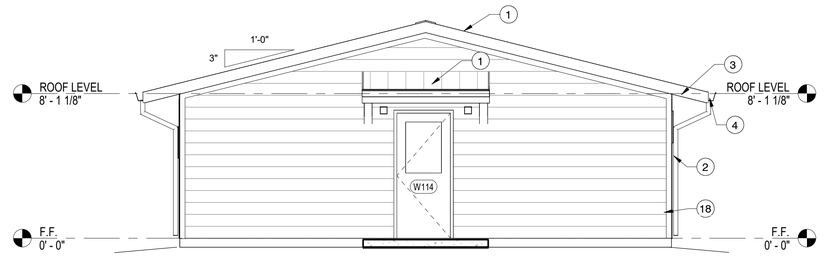
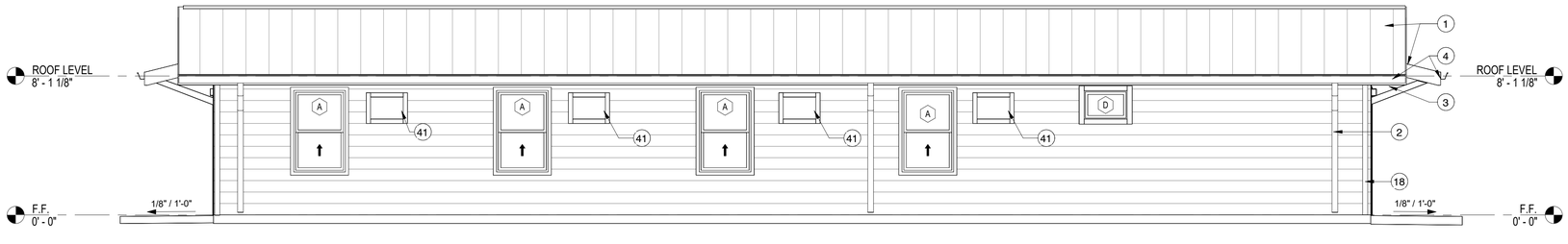


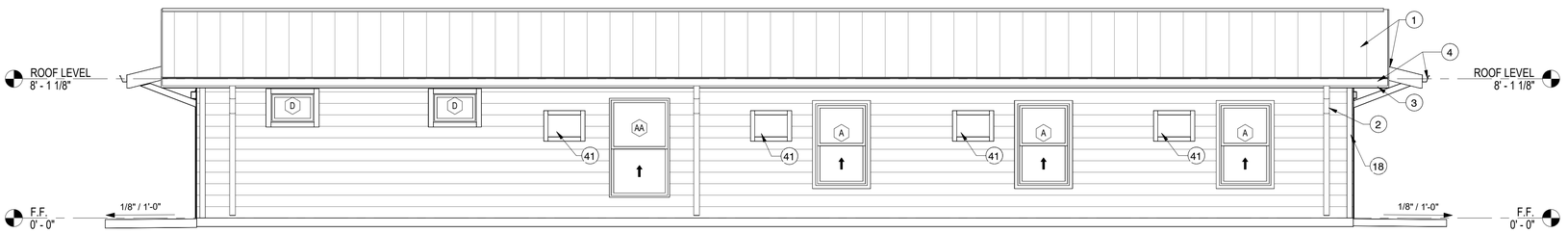
1 BUNKHOUSE BUILDING ELEVATION - EAST
SCALE: 1/4" = 1'-0"



4 BUNKHOUSE BUILDING ELEVATION - WEST
SCALE: 1/4" = 1'-0"



3 BUNKHOUSE BUILDING ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



2 BUNKHOUSE BUILDING ELEVATION - NORTH
SCALE: 1/4" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL. REF. PLUMBING
10	RUMFORD R4848 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 60"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR. REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	46" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK, PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
BUILDING ELEVATIONS - BUNKHOUSE

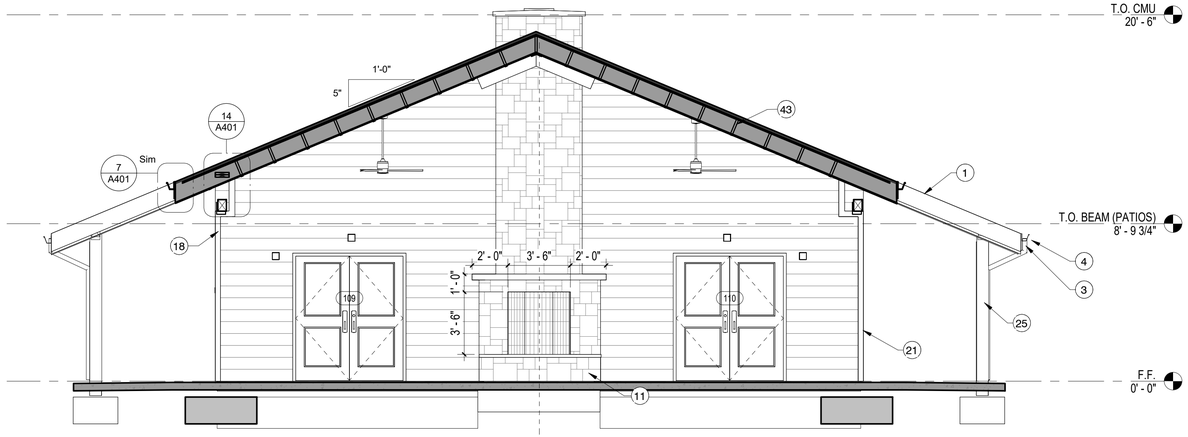
SHEET NUMBER
A202

100% CONSTRUCTION DOCUMENTS

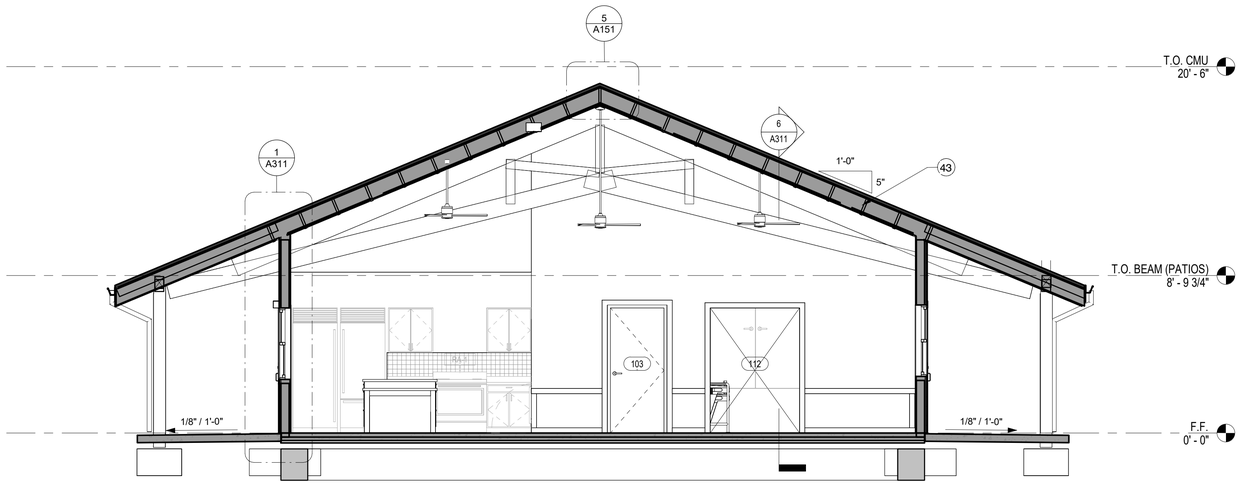
REGISTERED ARCHITECT
MEGAN L. WEINZIERL
24188
STATE OF TEXAS
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

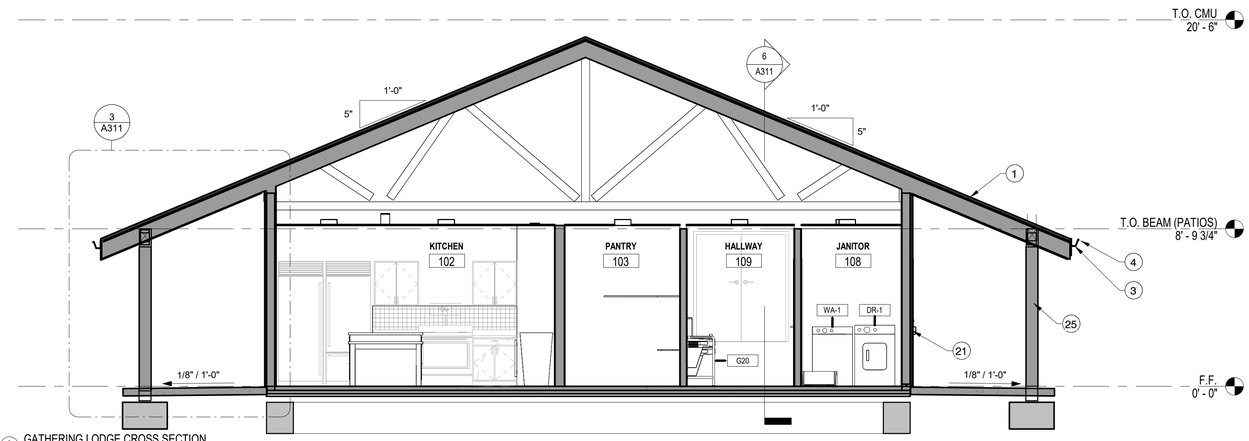
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



1 GATHERING CROSS SECTION - PATIO
SCALE: 1/4" = 1'-0"



3 GATHERING LODGE CROSS SECTION - OPEN GATHERING
SCALE: 1/4" = 1'-0"



2 GATHERING LODGE CROSS SECTION
SCALE: 1/4" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL. REF. PLUMBING
10	RUMFORD R4848 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 80"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR. REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	46" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK, PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
BUILDING SECTIONS - GATHERING LODGE

SHEET NUMBER
A301

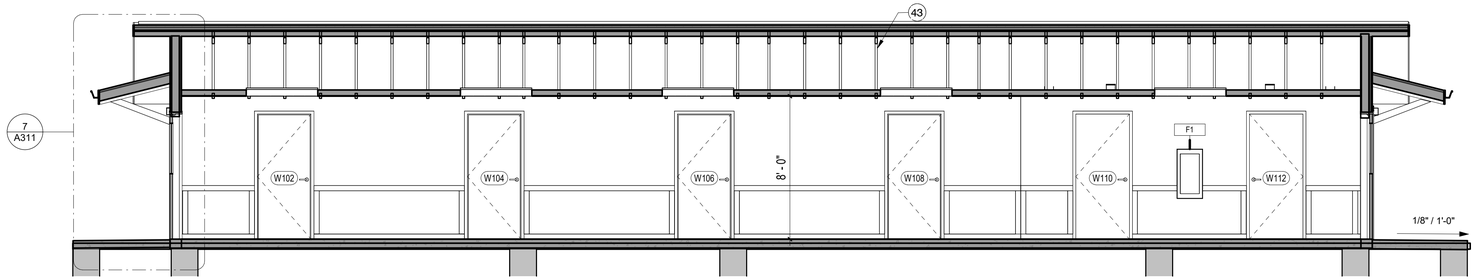
100% CONSTRUCTION DOCUMENTS

REGISTERED ARCHITECT MEGAN L. WEINZIERL 24186 STATE OF TEXAS
April 3, 2024

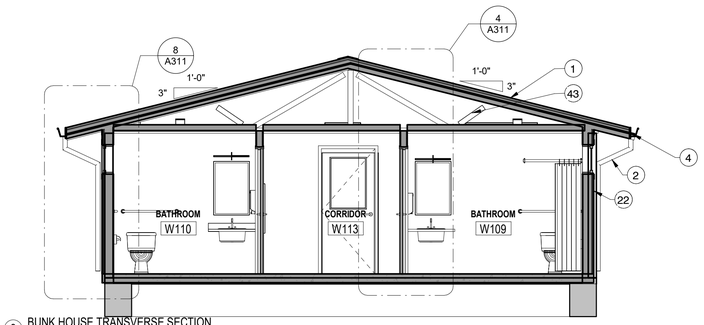
mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

1 GATHERING LODGE LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"



2 BUNKHOUSE EAST- LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"



3 BUNK HOUSE TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL. REF. PLUMBING
10	RUMFORD R4848 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 60"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR. REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	46" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK. PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
BUILDING SECTIONS - GATHERING LODGE

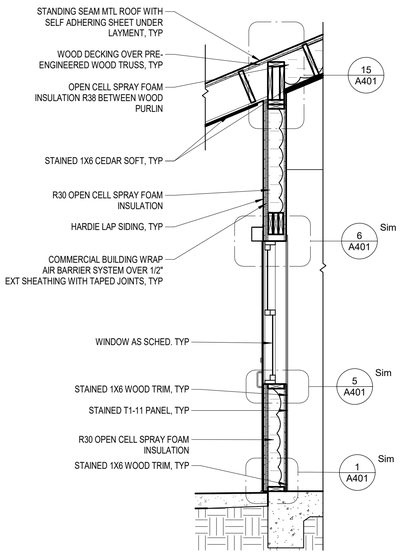
SHEET NUMBER
A302

100% CONSTRUCTION DOCUMENTS

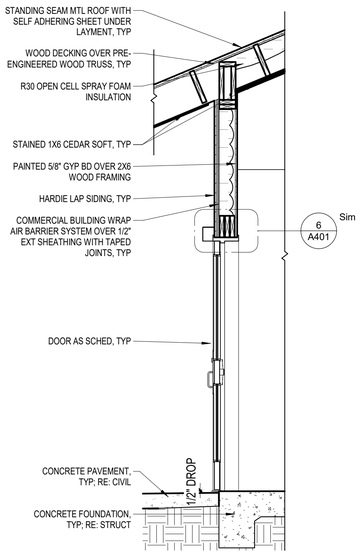
REGISTERED ARCHITECT MEGAN L. WEINHERT 24186 STATE OF TEXAS
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

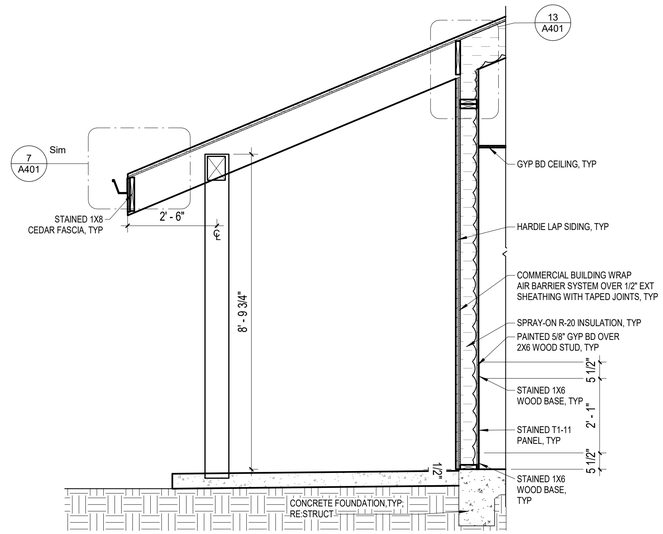
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



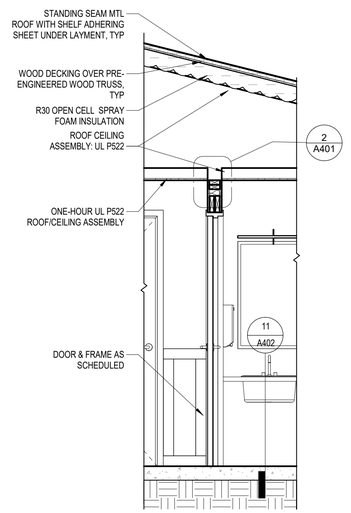
1 GATHERING LODGE WALL SECTION, TYP. WINDOW
SCALE: 1/2" = 1'-0"



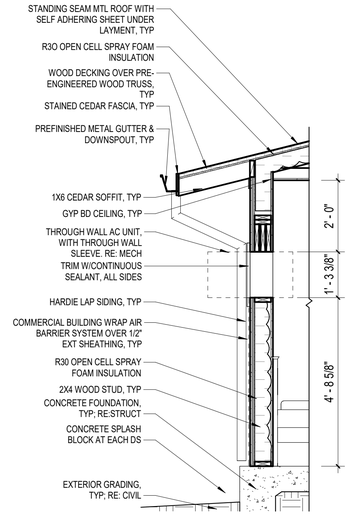
2 GATHERING LODGE WALL SECTION, EXTERIOR DOOR
SCALE: 1/2" = 1'-0"



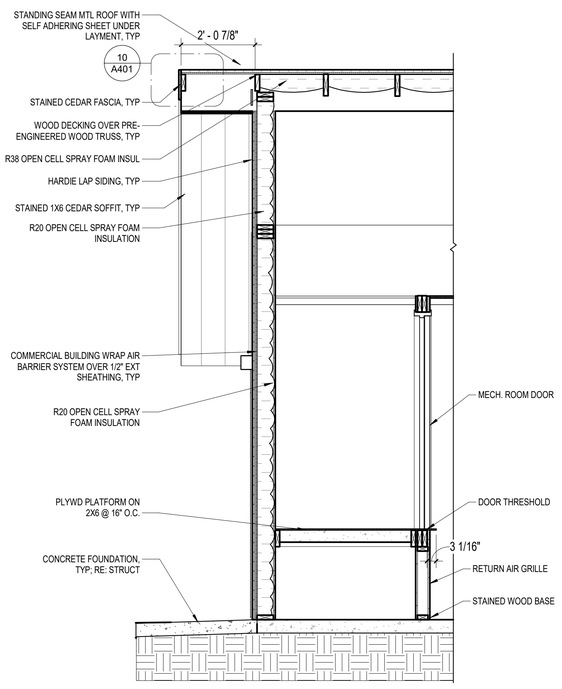
3 GATHERING LODGE WALL SECTION TYP
SCALE: 1/2" = 1'-0"



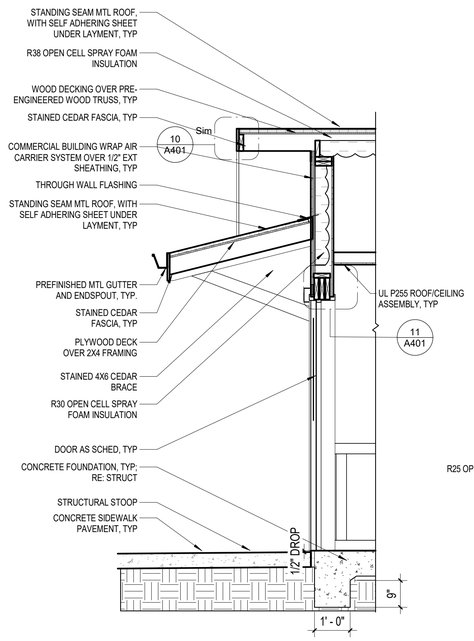
4 BUNKHOUSE WALL SECTION, INTERIOR CORRIDOR
SCALE: 1/2" = 1'-0"



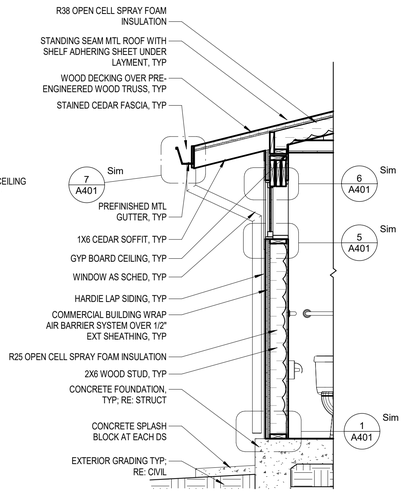
5 BUNK HOUSE SECTION, WALL UNIT
SCALE: 1/2" = 1'-0"



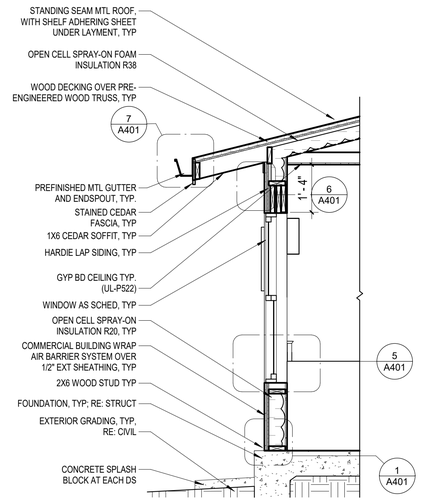
6 GATHERING LODGE WALL SECTION, MECH. ROOM
SCALE: 1/2" = 1'-0"



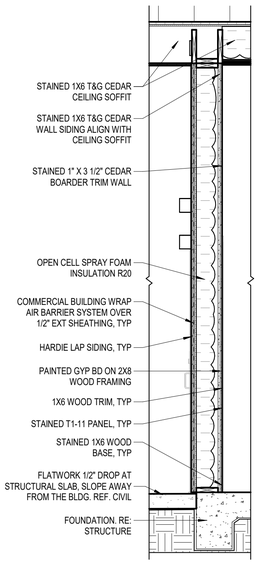
7 BUNK HOUSE WALL SECTION, EXTERIOR DOOR
SCALE: 1/2" = 1'-0"



8 BUNKHOUSE WALL SECTION,TYP
SCALE: 1/2" = 1'-0"



9 BUNKHOUSE WALL SECTION, BUNK ROOM
SCALE: 1/2" = 1'-0"



10 GATHERING LODGE EAST EXTERIOR WALL
SCALE: 1/2" = 1'-0"

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
WALL SECTIONS

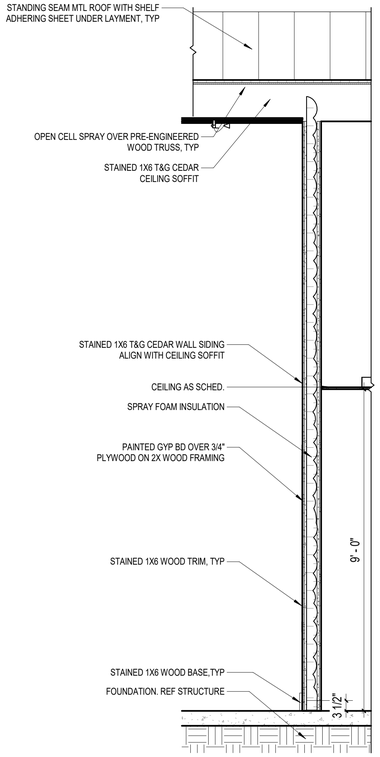
SHEET NUMBER
A311

100% CONSTRUCTION DOCUMENTS

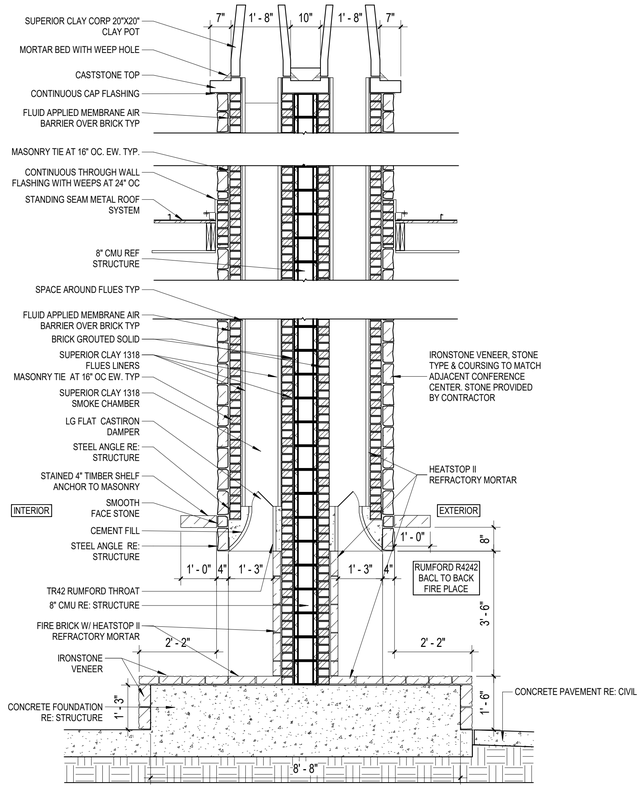
REGISTERED ARCHITECT MEGHAN L. WEINBERG 24185 STATE OF TEXAS
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



1 GATHERING LODGE PANTRY SECTION
SCALE: 1/2" = 1'-0"



2 GATHERING LODGE FIRE PLACE SECTION
SCALE: 1/2" = 1'-0"

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A312

100% CONSTRUCTION DOCUMENTS

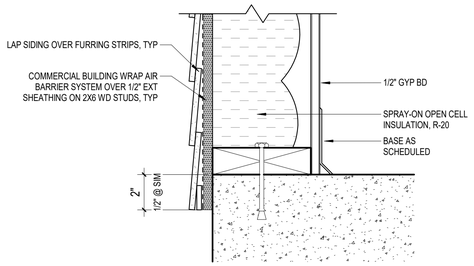
REGISTERED ARCHITECT MEGAN L. WEINGERL 24188 STATE OF TEXAS
April 3, 2024

mwm DesignGroup

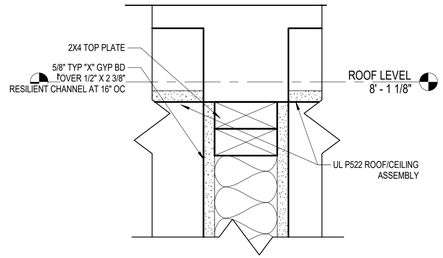
305 East Huntland Drive
Suite 200
Austin, Texas 78752

p: 512.453.0767
f: 512.453.1734

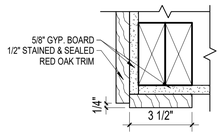
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



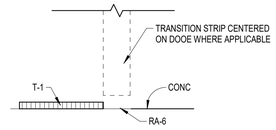
1 BOTTOM PLATE DETAIL
SCALE: 3" = 1'-0"



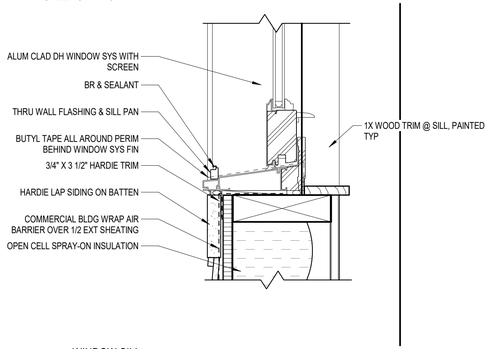
2 BUNKHOUSE WALL SECTION, INTERIOR CORRIDOR - Callout 1
SCALE: 3" = 1'-0"



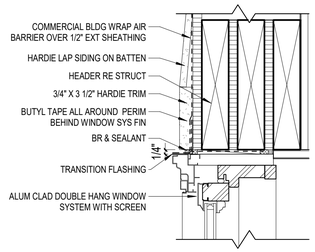
3 TRIM @ CASED OPENING JAMB
SCALE: 3" = 1'-0"



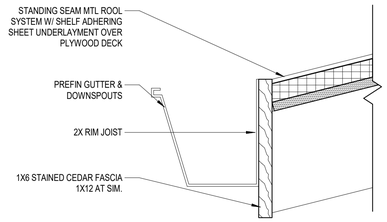
4 TRANSITION - TILE TO FLR
SCALE: 3" = 1'-0"



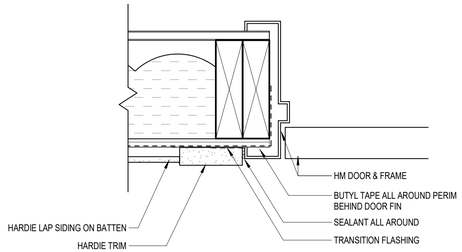
5 WINDOW SILL
SCALE: 3" = 1'-0"



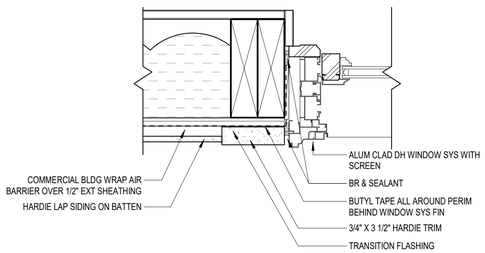
6 WINDOW HEAD
SCALE: 3" = 1'-0"



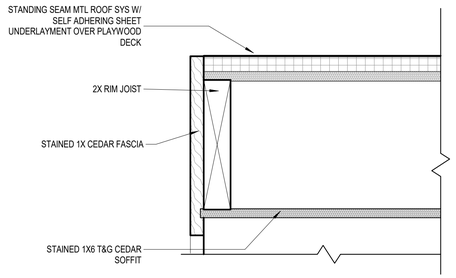
7 EAVE DETAIL, TYP
SCALE: 3" = 1'-0"



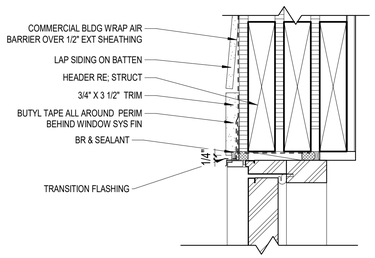
8 EXTERIOR HM DOOR JAMB
SCALE: 3" = 1'-0"



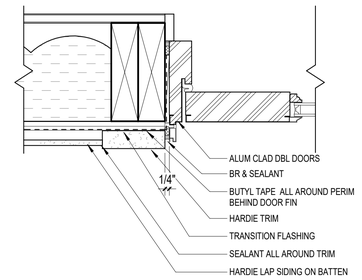
9 WINDOW JAMB
SCALE: 3" = 1'-0"



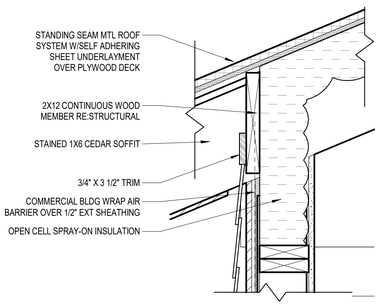
10 GATHERING LODGE RAKE DETAIL
SCALE: 3" = 1'-0"



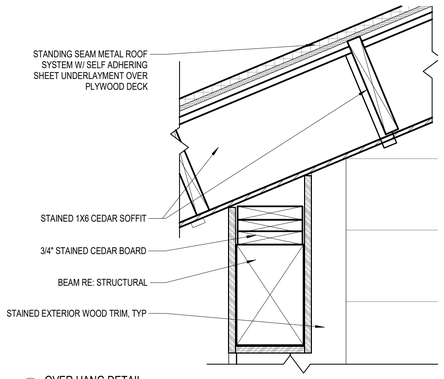
11 DBL DOOR HEAD
SCALE: 3" = 1'-0"



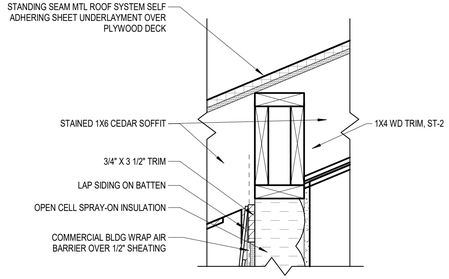
12 DBL DOOR JAMB
SCALE: 3" = 1'-0"



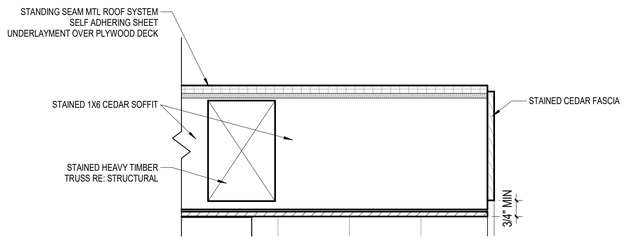
13 GATHERING LODGE TRUSS BEARING DETAIL
SCALE: 1 1/2" = 1'-0"



14 OVER HANG DETAIL
SCALE: 1 1/2" = 1'-0"



15 CANOPY OVERHANG DETAIL
SCALE: 1 1/2" = 1'-0"



16 PORCH OVERHEAD DETAIL
SCALE: 1 1/2" = 1'-0"

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

100% CONSTRUCTION DOCUMENTS

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

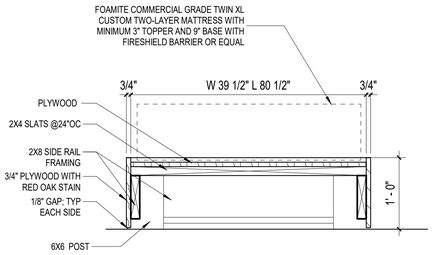
SHEET TITLE
SECTION DETAILS

SHEET NUMBER
A401

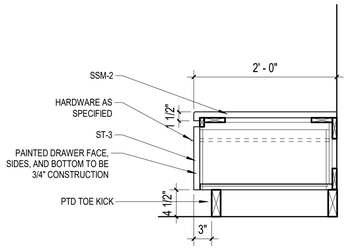
REGISTERED ARCHITECT MEGAN L. WEINERT 24189 STATE OF TEXAS
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

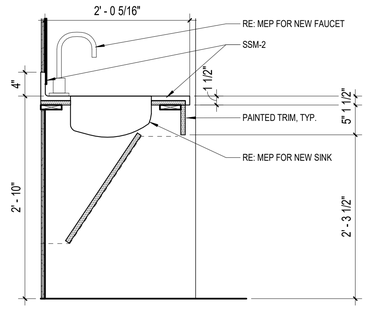
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



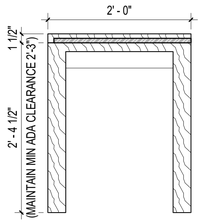
1 BUILT-IN TWIN XL BED
SCALE: 1" = 1'-0"



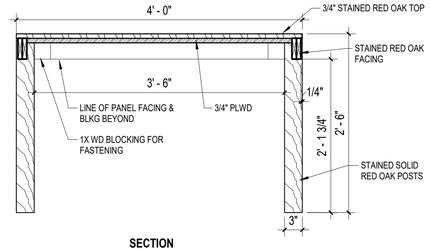
2 RESTROOM STORAGE
SCALE: 1" = 1'-0"



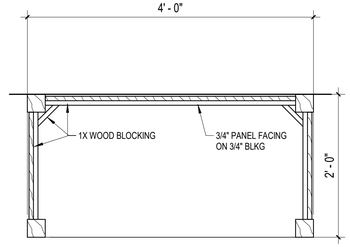
3 SECTION @ KITCHEN SINK BASE CABINET
SCALE: 1" = 1'-0"



SECTION

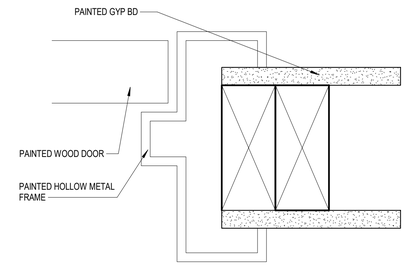


SECTION

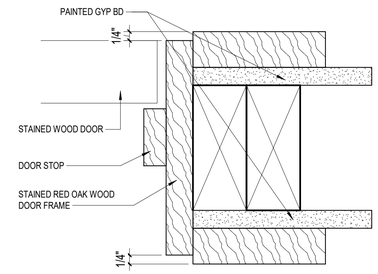


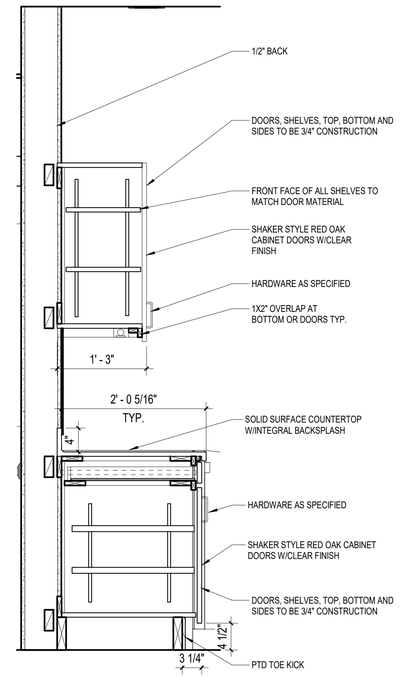
PLAN VIEW / SECTION

4 DESK DETAIL
SCALE: 1" = 1'-0"

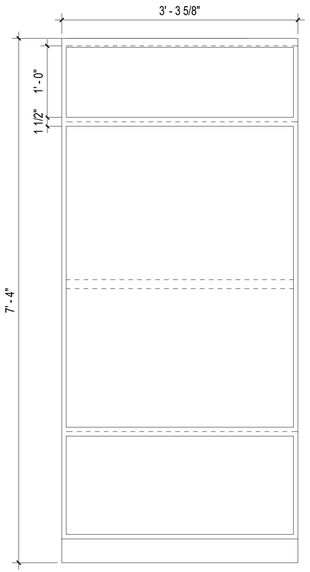


5 INTERIOR DOOR JAMB DETAILS
SCALE: 6" = 1'-0"

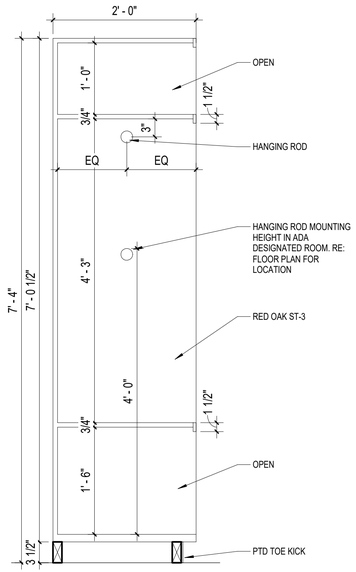




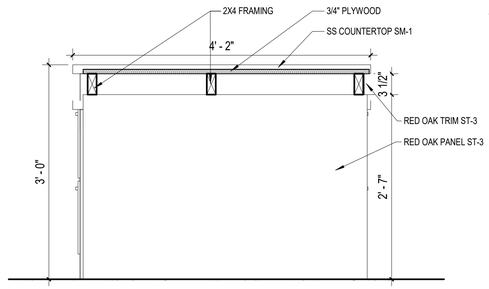
9 SECTION @ TYP. BASE & UPPER CABINETS
SCALE: 1" = 1'-0"



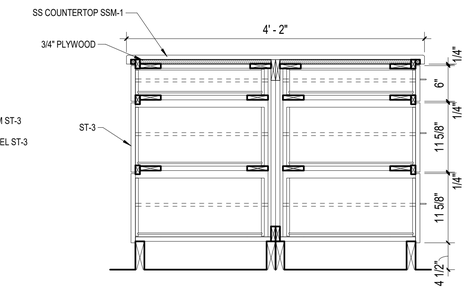
10 SECTION @ FULL HEIGHT CABINET
SCALE: 1" = 1'-0"



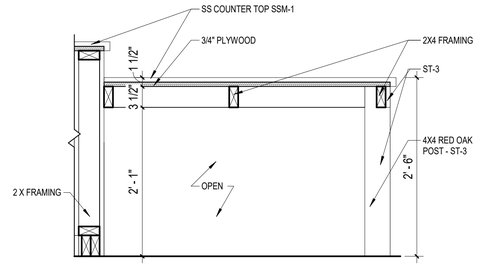
11 SECTION @ BATHROOM SINK
SCALE: 1" = 1'-0"



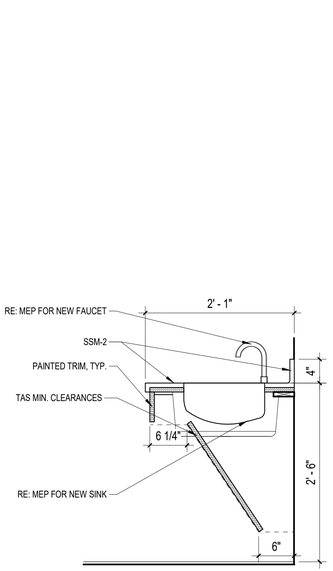
6 KITCHEN ISLAND MILLWORK A-A
SCALE: 1" = 1'-0"



7 KITCHEN ISLAND MILLWORK B-B
SCALE: 1" = 1'-0"



8 KITCHEN ISLAND MILLWORK C-C
SCALE: 1" = 1'-0"



BLOCKING NOTES

1. PROVIDE BLOCKING, NAILERS, GROUNDS, FURRING AND OTHER SIMILAR ITEMS REQUIRED TO RECEIVE AND SUPPORT MILLWORK AND OTHER WORK

MILLWORK NOTES

1. MILLWORK TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE STANDARD OF THE AMERICAN WOODWORKERS INSTITUTE (AWI).
2. SUBMIT SHOP DRAWINGS FOR ALL MILLWORK ITEMS PRIOR TO FABRICATION.
3. PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED OR EXPOSED CASEWORK
4. PLYWOOD TO BE HIGH DENSITY.
5. CONTRACTOR TO PROVIDE MILLWORK GROMMETS PER END USER'S DIRECTION AFTER COMPLETION OF WORK. GROMMET TO BE MOCKER, MM4 (CAP) AND MM4A-26D (LINER) IN BLACK
6. COORDINATE LOCATIONS AND PROVIDE BACKING IN PARTITIONS FOR ALL CABINETS, COUNTERTOP AND SHELVING, BACKING TO BE 6" x 18 GA. MET. PLATE OR 3-5/8" x 18 GA. CONTINUOUS RUNNER WI FLANGES CUT AT STUDS.
7. SCRIBE COUNTERTOPS AND SPLASHES TO ADJACENT SURFACES.
8. PROVIDE 1/2" X 1/2" SCRIBE WHERE CABINETS ABUT A PARTITION OR GYP. WALL BOARD SOFFIT. REVEAL COLOR TO MATCH CABINET, U.N.O.
9. STANDARD MILLWORK HARDWARE TO BE MOCKER, DP78 COLOR: MATTE CHROME, U.N.O. SIZE MA VARY.
10. PROVIDE DOOR AND DRAWER PULLS AS DELINEATED.
11. PROVIDE COUNTERTOPS OVER ALL BASE CABINETS AND KNEE SPACE APRONS.
12. PROVIDE ENDSPLASH WHEN COUNTERTOP IS ADJACENT TO WALLS AT SIDES, U.N.O.
13. PROVIDE FIRE TREATED WOOD BLOCKING WITHIN WALL FOR ALL WALL MOUNTED CABINETRY.
14. PROVIDE HANGING FILE HARDWARE WHEN MILLWORK IS NOTED WITH "F" IN STYLE DESIGNATION.
15. PROVIDE BRACING AT KNEE SPACE @ 3'-0" TYPICAL.
16. ALL CABINET SHALL BE CLEAR STAINED RED OAK VENEER WITH PARTICLE BOARD CONSTRUCTION. CABINET DOORS SHALL BE SHAKER STYLE FACE, FLAT CENTER PANEL AND FLAT FRAME WITH EUROPEAN (INVISIBLE) SELF CLOSING, 170 DEGREE OPENING HEAVY-DUTY HINGES AND 100 POUND RATED, FULL-EXTENSION, SIDE-MOUNTED DRAWER SLIDES, U.N.O. JOINTS 1/16" MAXIMUM WIDTH CONSISTENT THROUGHOUT. REF SPECIFICATION FOR ADDITIONAL INFORMATION.

REGISTERED ARCHITECT MEGAN L. WEINZIERL 24188 STATE OF TEXAS
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

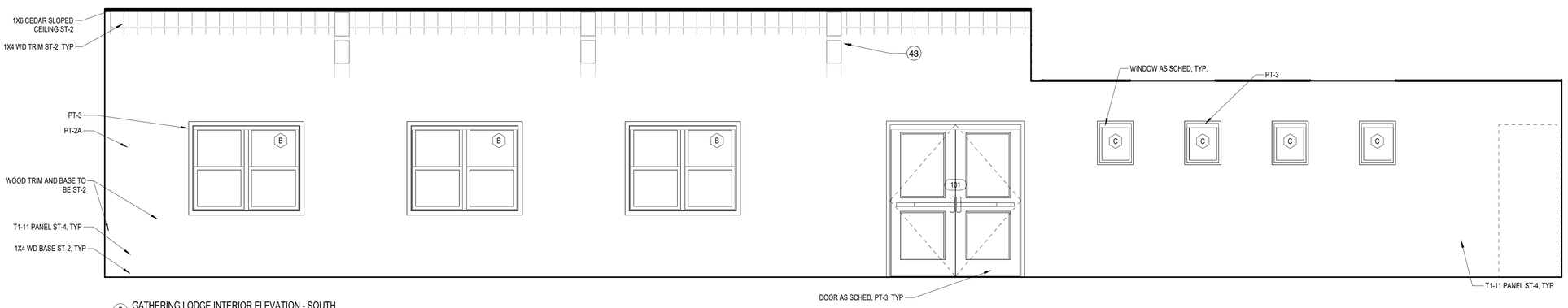
DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

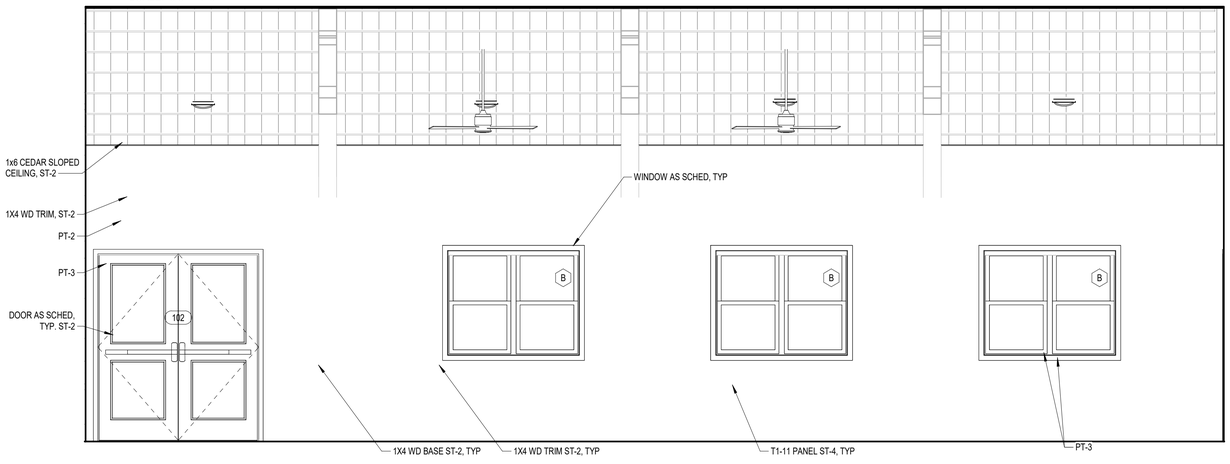
SHEET TITLE
MILLWORK DETAILS

SHEET NUMBER
A402

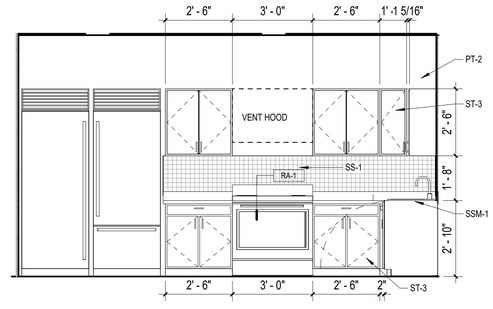
100% CONSTRUCTION DOCUMENTS



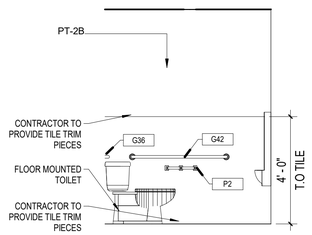
8 GATHERING LODGE INTERIOR ELEVATION - SOUTH
SCALE: 3/8" = 1'-0"



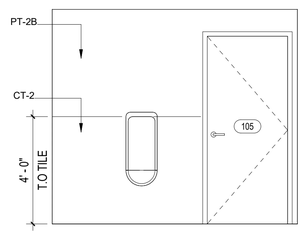
7 GATHERING LODGE INTERIOR ELEVATION - NORTH
SCALE: 3/8" = 1'-0"



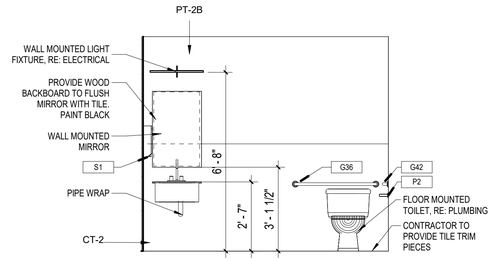
5 KITCHEN INTERIOR ELEVATION - W
SCALE: 3/8" = 1'-0"



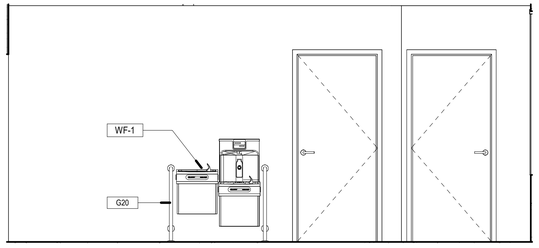
2 RESTROOM INTERIOR ELEVATION- TYP SIDE
SCALE: 3/8" = 1'-0"



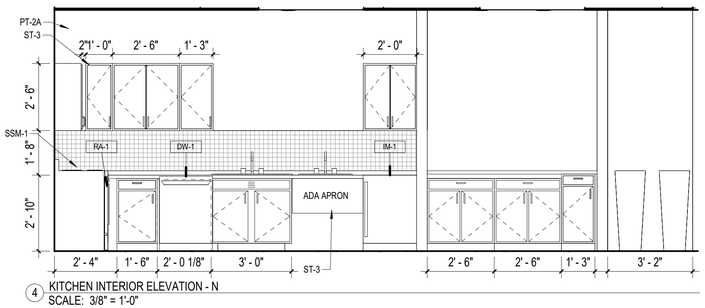
1 RESTROOM INTERIOR ELEVATION - N
SCALE: 3/8" = 1'-0"



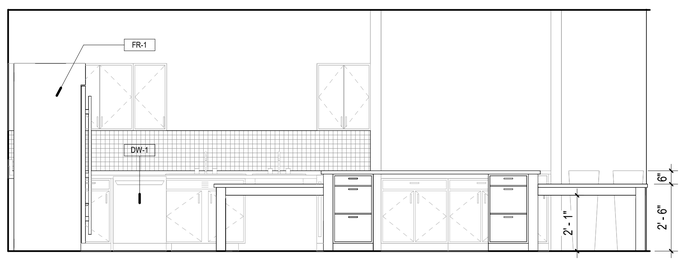
3 RESTROOM INTERIOR ELEVATION - SINK
SCALE: 3/8" = 1'-0"



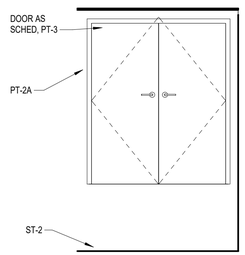
9 INTERIOR ELEVATION AT DRINKING FOUNTAIN - HALLWAY
SCALE: 3/8" = 1'-0"



4 KITCHEN INTERIOR ELEVATION - N
SCALE: 3/8" = 1'-0"



6 KITCHEN INTERIOR ELEVATION - ISLAND
SCALE: 3/8" = 1'-0"



11 INTERIOR ELEVATION - HALLWAY
SCALE: 3/8" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL. REF. PLUMBING
10	RUMFORD R4848 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 60"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR. REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	46" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK, PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DESCRIPTION	DATE

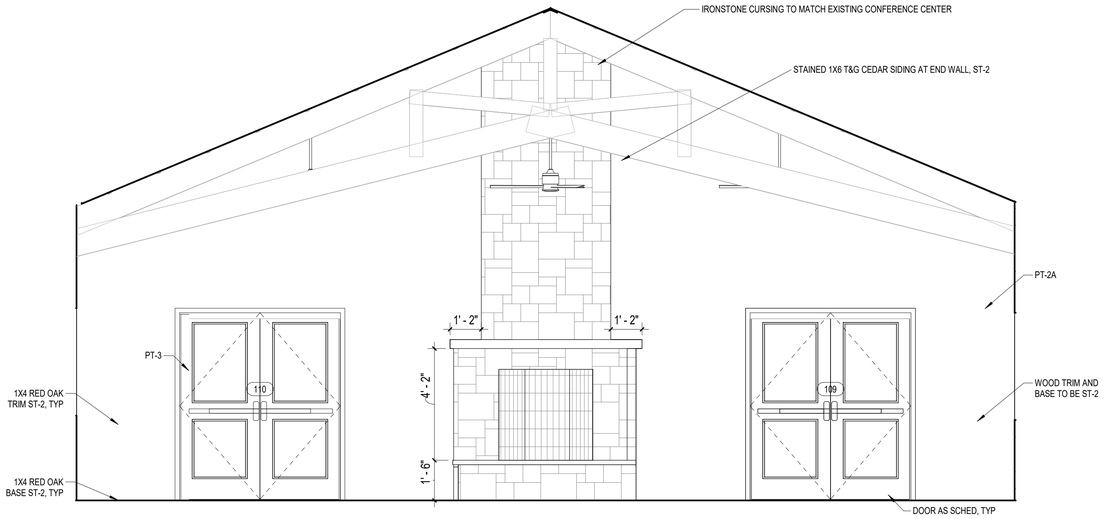
SHEET TITLE
INTERIOR ELEVATIONS - GATHERING LODGE

SHEET NUMBER
A501

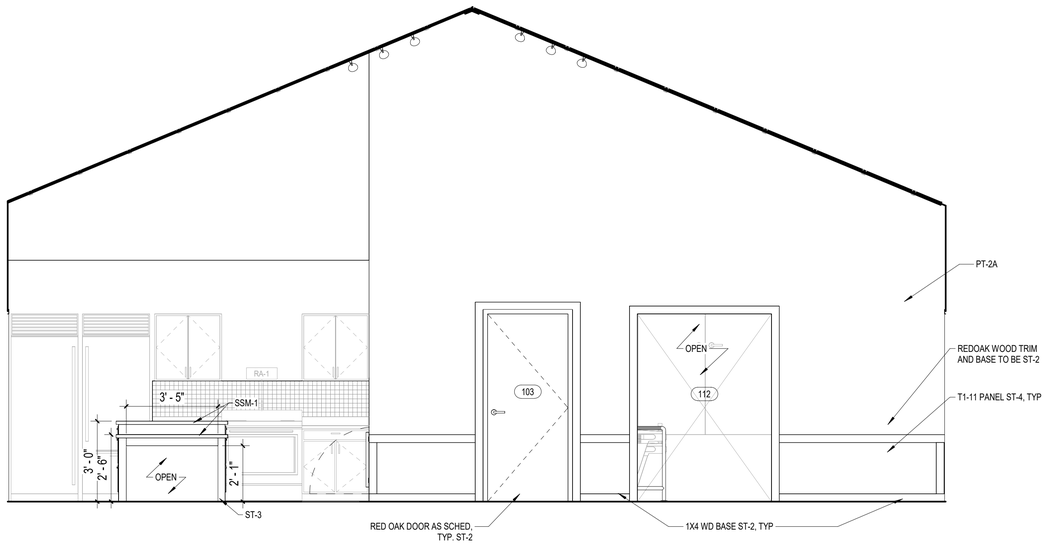
100% CONSTRUCTION DOCUMENTS

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

REGISTERED ARCHITECT MEGAN L. WEINERT 24119 STATE OF TEXAS
April 3, 2024



1 GATHERING LODGE INTERIOR ELEVATION - EAST
SCALE: 3/8" = 1'-0"



2 GATHERING LODGE INTERIOR ELEVATION - WEST
SCALE: 3/8" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL. REF. PLUMBING
10	RUMFORD R4848 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 60"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR. REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	48" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK, PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV.	DATE	DESCRIPTION

SHEET TITLE
INTERIOR ELEVATIONS - GATHERING LODGE

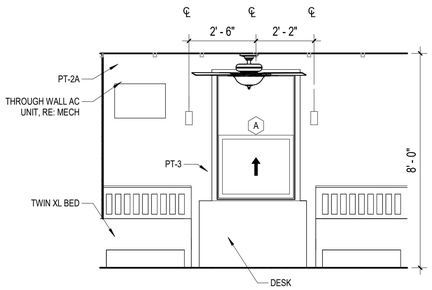
SHEET NUMBER
A502

100% CONSTRUCTION DOCUMENTS

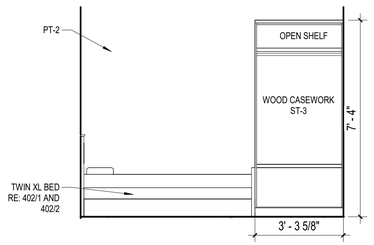
REGISTERED ARCHITECT MEGAN L. WEINERT STATE OF TEXAS 24186
April 3, 2024

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

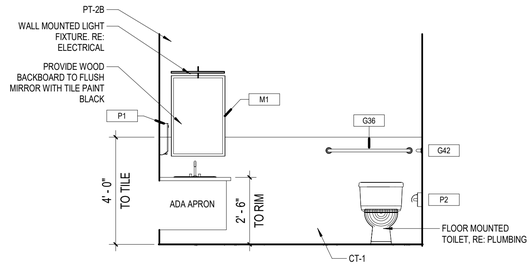
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



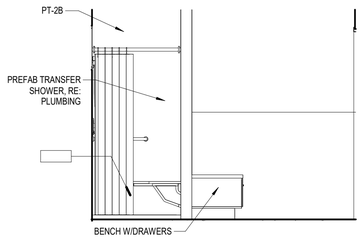
1 BUNKHOUSE INTERIOR ELEVATION - TYP
SCALE: 3/8" = 1'-0"



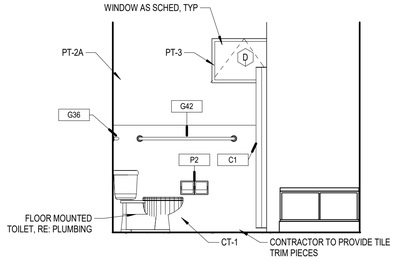
2 BUNKHOUSE INTERIOR ELEVATION - TYP SIDE
SCALE: 3/8" = 1'-0"



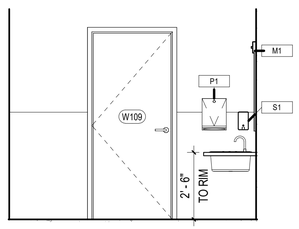
4 BUNKHOUSE RESTROOM INTERIOR ELEVATION - A
SCALE: 3/8" = 1'-0"



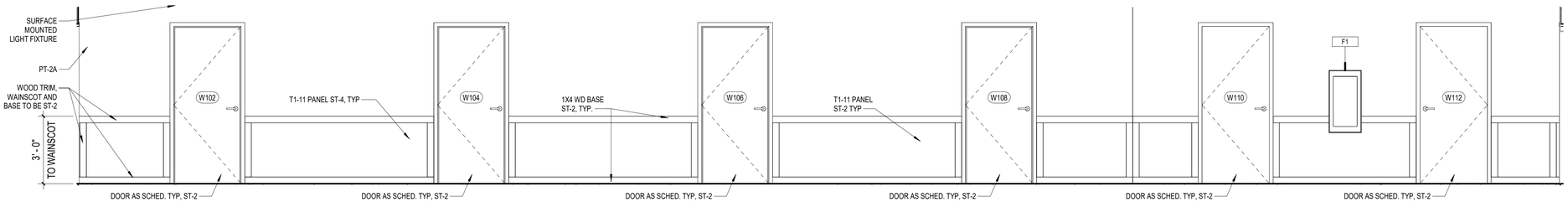
6 BUNKHOUSE RESTROOM INTERIOR ELEVATION - C
SCALE: 3/8" = 1'-0"



5 BUNKHOUSE RESTROOM INTERIOR ELEVATION - B
SCALE: 3/8" = 1'-0"



7 BUNKHOUSE RESTROOM INTERIOR ELEVATION - D
SCALE: 3/8" = 1'-0"



3 BUNKHOUSE INTERIOR ELEVATION - CORRIDOR
SCALE: 3/8" = 1'-0"

KEYNOTES

Note Number	Note Text
1	STANDING SEAM METAL ROOF, TYP.
2	PREFINISHED MTL DOWNSPOUT
3	FIBER CEMENT FACIA W/SEMI-TRANSPARENT STAIN TO MATCH TRIM
4	PREFINISHED MTL GUTTER
5	WOOD BEAM STAIN, ST-1
6	STANDING SEAM METAL ROOF CANOPY OVER EXTERIOR DOOR, TYP.
7	CASED OPENING
8	ADA COMPLIANT SINK
9	SINK W/ COMPACT GARBAGE DISPOSAL, REF. PLUMBING
10	RUMFORD R4849 BACK TO BACK FIREPLACE
11	IRONSTONE HEARTH COURSING TO MATCH EXISTING CONFERENCE CENTER
12	4X8 MOUNTED PLYWOOD BOARD
13	(3) 36" WIRE SHELVING UNITS, 60"H, 15"D.
14	36" WIRE SHELVING UNITS, 60"H, 14"D.
15	WATER HEATR, REF. PLUMBING
16	MOP SINK
17	STAIN CEDAR POST
18	HARDIE TRIM TYP AT EA ELEVATION CORNER
19	TRIM, PAINTED TO MATCH HARDIE SIDING
20	THROUGH WALL FLASHING
21	1X6 STAINED T&G CEDAR SLATS, ST-2
22	WOOD COLUMN STAIN (ST-1)
23	1X4 TRIM
24	MOUNTED AT 12' AFF, TYP
25	STEEL COLUMN WITH CEDAR CLADDING, STAINED ST-1
26	BUILT-IN TWIN XL BED RE:1/A402
27	BUILT-IN CLOSET RE:10/A402
28	BUILT-IN DESK RE : 4/A402
29	46" CEILING FAN
30	CEILING FAN
31	GYP CEILING PAINTED
32	LINE OF COUNTER BELOW
33	MECH UNIT RE: MECHANICAL
34	RE: ELECTRICAL
35	4" VTR
36	LINE OF WALL BELOW
37	STAINED 4" TIMBER SHELF
38	KITCHEN ISLAND RE:6-7-8/A4-2
39	1X6 STAINED T&G CEDAR SLATS WITH 1" SEPERATION , ST-3
40	CONTROL JOINT, TYP. PER 07/S3.1
41	THROUGHWALL AC UNIT RE:MECHANICAL
42	NON RATED CEILING HATCH
43	ROOF FRAME, REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS
44	MECHANICAL DUCTWORK, PAINTED RE: MECH

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

100% CONSTRUCTION DOCUMENTS

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

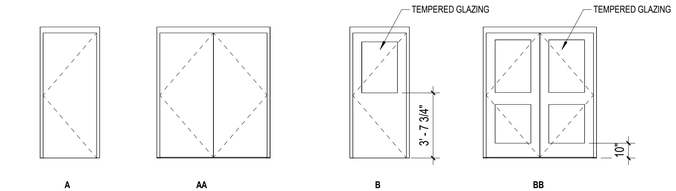
REV	DATE	DESCRIPTION

SHEET TITLE
INTERIOR ELEVATIONS - BUNKHOUSE

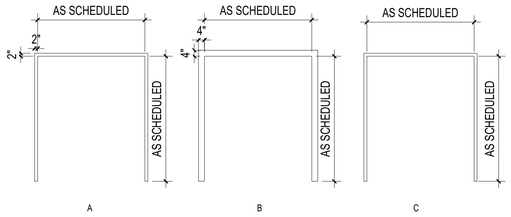
SHEET NUMBER
A503

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

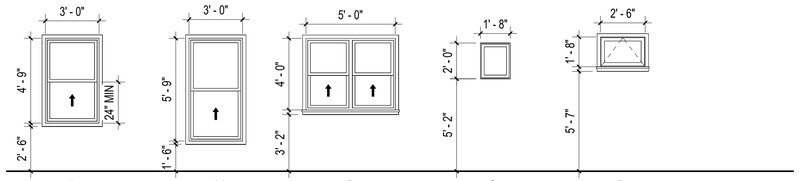
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600



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



DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"



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

ROOM FINISH LEGEND

FLOOR FINISH

SC-1 : CONCRETE SEALER | PROSOCO | CONSOLIDECK LS
CT-2 : CERAMIC TILE | DALTILE | SYNCHRONIC | GREY SY33 | 12X24 TEXTURED
GT-2 : SANDED GROUT | POLYBLEND PLUS #647 BROWN VELVET
RA-1 : 2.5" WHEELED TRAFFIC ACCESSORY | JOHNSONITE | CTA-283-P | TOAST 283

WALL

PT-2A : SHERWIN WILLIAMS SW7036 | ACCESSIBLE BEIGE | EG-SHEL
PT-1B : SHERWIN WILLIAMS SW7009 | PEARLY WHITE | EG- SHEL | PRE CATALYZED WATER BASED EPOXY
PT-3 : SHERWIN WILLIAMS SW9174 | MOTH WING | SEMI GLOSS
PT-4 : SHERWIN WILLIAMS SW6108 | LATTE | MATCH EXISTING
PT-5 : SHERWIN WILLIAMS SW7041 | VAN DYKE BROWN | LOW LUSTRE
PT-6 : SHERWIN WILLIAMS SW2816 | ROCKWOOD GREEN
CT-1 : CERAMIC TILE | DALTILE | STAGECRAFT | MATTE ARCTIC WHITE | 0790 | 3X12
GT-1 : UNSANDED GROUT | POLYBLEND PLUS #640 ARCTIC WHITE
TR-1 : TILE TRIM PIECE | DALTILE | STAGECRAFT | MATTE ARCTIC WHITE | JOLLY | 1/2 X 12

WALL BASE

RB-1 : 4" RUBBER BASE WITH TOE | JOHNSONITE | CTA-283-P | TOAST 283
ST-2 : CABOT | SEMI-SOLID | MATCH EXISTING CONFERENCE CENTER
CT-2-CB : CERAMIC TILE | DALTILE | COVE BASE | SYNCHRONIC | GREY SY33 | 6X12 TEXTURED

CEILING

ST-1 : | CABOT | SEMI-SOLID | MATCH EXISTING CONFERENCE CENTER
ST-2 : | CABOT | SEMI-SOLID | MATCH EXISTING CONFERENCE CENTER
PT-1A : SHERWIN WILLIAMS SW7009 | PEARLY WHITE | FLAT
PT-1B : SHERWIN WILLIAMS SW7009 | PEARLY WHITE | EG-SHEL | PRE CATALYZED WATER BASED EPOXY

WINDOWS

WB-1: WINDOW BLINDS | HUNTER DOUGLAS | 2" FAUX WOOD BLINDS | MOCHA 936

CASEWORK FINISHES

COUNTERTOPS

SSM-1: SOLID SURFACE | FORMICA | RIVER ROCK MOSAIC 656

MILLWORK FINISH

ST-3: STAIN | CLEAR

CABINETRY HARDWARE

TBD:

DOOR SCHEDULE

	DOOR					FRAME					
DOOR NUMBER	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING (MIN)	HARDWARE SET	COMMENTS
101	BB	6' - 0"	7' - 0"	WD/ALUM	PAINT	C	WD/ALUM	PAINT	-	714	
102	BB	6' - 0"	7' - 0"	WD/ALUM	PAINT	C	WD/ALUM	PAINT	-	714	
103	A	3' - 0"	7' - 0"	WD	STAIN	C	WD	STAIN	-	207	
104	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	341	
105	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	341	
106		5' - 0"	6' - 0"								
107	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	207	
108	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	201	
109	BB	6' - 0"	7' - 0"	WD/ALUM	PAINT	C	WD/ALUM	PAINT	-	714	
110	BB	6' - 0"	7' - 0"	WD/ALUM	PAINT	C	WD/ALUM	PAINT	-	714	
111	AA	6' - 0"	7' - 0"	H.MTL	PAINT	A	H.MTL	PAINT	-	214	
112	-	5' - 0"	7' - 0"	-	-	B	WD	STAIN		002	CASED OPENING
E101	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E102	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E103	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E104	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E105	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E106	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E107	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E108	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	20 MIN	U907	
E109	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	343S	
E110	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	343S	
E111	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	207	
E112	A	3' - 0"	7' - 0"	WD	STAIN	B	WD	STAIN	-	343S	
E113	B	3' - 0"	7' - 0"	H.MTL	PT	A	H.MTL	PT	-	715	
E114	B	3' - 0"	7' - 0"	H.MTL	PT	A	H.MTL	PT	-	715	
W101	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W102	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W103	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W104	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W105	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W106	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W107	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W108	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	U907	
W109	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	343S	
W110	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	343S	
W111	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	207	
W112	A	3' - 0"	7' - 0"		STAIN	B			20 MIN	343S	
W113	B	3' - 0"	7' - 0"		PT	A			20 MIN	715	
W114	B	3' - 0"	7' - 0"		PT	A			20 MIN	715	

ROOM FINISH SCHEDULE

ROOM NO.	NAME	FLOOR	WALL BASE	WALL	CEILING	MILLWORK	COUNTERTOP	WINDOWS	COMMENTS
101	GATHERING	SC-1	ST-2	PT-2A, PT-3, ST-2, ST-4	ST-1,ST-2	-	-	-	
102	KITCHEN	SC-1	ST-2	PT-2A, PT-3, ST-2, ST-4	PT-1A	ST-3	SSM-1		
103	PANTRY	SC-1	RB-1	PT-2A	PT-1A	-	-	-	
104	RESTROOM	CT-2, GT-2 RA-1	CT-2-CB	CT-1, GT-1, TR-1, PT-1B,	PT-1B	-	-	-	CONTRACTOR TO UTILIZE ALL TILE ACCESSORIES PROVIDED BY MANUFACTURER
105	RESTROOM	CT-2, GT-2, RA-1	CT-2-CB	CT-1, GT-1, TR-1, PT-1B	PT-1B	-	-	-	CONTRACTOR TO UTILIZE ALL TILE ACCESSORIES PROVIDED BY MANUFACTURER
106	MECH	SC-1	RB-1	PT-2A	PT-1A	-	-	-	
107	STORAGE	SC-1	RB-1	PT-2A	PT-1A	-	-	-	
108	JANITOR	SC-1	RB-1	PT-2A	PT-1A	-	-	-	
109	HALLWAY	SC-1	ST-2	PT-2A, PT-3	PT-1A	-	-	-	
E101	BEDRROM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E102	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3		WB-1	
E103	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E104	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E105	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E106	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E107	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E108	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
E109	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1		CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
E110	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1		CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
E111	JAN/MECH	SC-1	RB-1	PT-2A, FRP-1	PT-1A	-	-		PTOVIDE 3'(W) X 6'(H) FRP AT BOTH SIDES OF MOP SINK WALLS
E112	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1		CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
E113	CORRIDOR	SC-1	ST-2	PT-2A, PT-3, ST-2, ST-4	PT-1A	-	-		
W101	BEDRROM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W102	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W103	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W104	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W105	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W106	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W107	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W108	BEDROOM	SC-1	ST-2	PT-2A	PT-1A	ST-3	-	WB-1	
W109	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1	-	CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
W110	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1	-	CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
W111	JAN/MECH	SC-1	RB-1	PT-2A,FRP-1	PT-1A	-	-	-	PROVIDE 3'(W) X 6'(H) FRP AT BOTH SIDES OF MOP SINK WALLS
W112	BATHROOM	CT-2, RA-1	CT-2-CB	CT-1, PT-2B	PT-1B	ST-3	SSM-1	-	CONTRACTOR TO UTILIZE ALL TILE ACCESSORY PIECES PROVIDED BY MANUFACTURER
W113	CORRIDOR	SC-1	ST-2	PT-2A, PT-3, ST-2, ST-4	PT-1A	-	-	-	

EQUIPMENT SCHEDULE

Type Mark	Description	Manufacturer	Model	Count	Comments
DR-1	DRYER	GENERAL ELECTRIC	GFD43ESSMWW	1	
DW-1	DISHWASHER	BOSCH	SGE53X55UC	1	
FR-1	FREEZER	WHIRLPOOL SIDEKICKS	WSZ57L18DM	1	
G20	Snap Flange (1-1/2" O.D) Peened - Wall to Floor, 18" x 33" (3875-P) (3875-P)	American Specialties Inc.	3875-P	2	DRINKING FOUNTAIN CANE DETECTION
G36	36 inch ADA compliant grab bar	KOHLER Co.	K-10544-S	1	
G42	42 inch ADA compliant grab bar	KOHLER Co.	K-10545-S	1	
IM-1	ICE MACHINE - UNDER COUNTER	SPT	IM-600US	1	
IM-2	ICE MACHINE - FREE STAINDING	MAINTOWOC ICE	ID-0302A	1	
M1	MIRROR			1	
P2	SURFACE MOUNTE TOILET PAPER			1	
RA-1	OVEN RANGE	VERONA	VDFSEE365SS	1	
RF-1	REFRIGERATOR	WHIRLPOOL SIDEKICKS	WSR57R18DM	1	
S1	SURFACE MOUNTED SOAP DISPENSE	Bobrick Washroom Equipment, Inc.	B-2111	1	
WA-1	WASHER	GENERAL ELECTRIC	GFW430SSMWW	1	

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

GUS ENGELING WMA
GATHERING LODGE AND BUNKHOUSES
PROJECT NUMBER: 1211534

DATE: April 3, 2024
DESIGNED BY: MW
DRAWN BY: EB
REVIEWED BY: OH

REV	DATE	DESCRIPTION

SHEET TITLE
SCHEDULES

SHEET NUMBER
A601

100% CONSTRUCTION DOCUMENTS

mwm DesignGroup
305 East Huntland Drive
Suite 200
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734
TBAE FIRM REGISTRATION NO.: 1452
TBPE FIRM REGISTRATION NO.: F-1416
TBPLS FIRM REGISTRATION NO.: 10065600

ABBREVIATIONS USED ON STRUCTURAL DRAWINGS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED)

A

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ	ADJACENT
ADDM	ADDENDUM
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH'L	ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWG	AMERICAN WIRE GAGE
AWS	AMERICAN WELDING SOCIETY

B

B/B	BACK TO BACK
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BLOCK-OUT
BOS	BOTTOM OF STEEL
BOT	BOTTOM (BOTTOM FACE, LAYER, SIDE)
B PL	BASE PLATE
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN

C

C	AMERICAN STANDARD CHANNEL (STRUCTURAL SHAPE)
C/C	CENTER TO CENTER
CANT	CANTILEVER
CG	CENTER OF GRAVITY
CI	CAST IRON
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
C	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTJ	CONTROL JOINT
CTR	CENTER
CU FT	CUBIC FOOT
CU YD	CUBIC YARD

D

D	DEPTH
DAT	DATUM
DBA	DEFORMED BAR ANCHOR
DEG	DEGREE
DEMO	DEMOLISH
DET'L	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVIDE
DL	DEAD LOAD
DBL	DOUBLE
DWLS	DOWELS
DN	DOWN
DWG	DRAWING

E

E	EAST, MODULUS OF ELASTICITY
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST'G	EXISTING
EXP	EXPANSION
EXP BT	EXPANSION BOLT
EJ	EXPANSION JOINT
EXT	EXTERIOR

F

FABR	FABRICATOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FF EL	FINISH FLOOR ELEVATION
FIN FLR	FINISH FLOOR
FIN	FINISH(ED)
FLG	FLANGE
FLR	FLOOR
FOS	FACE OF STUD
FP	FIREPROOFING
FS	FAR SIDE
FT	FOOT
FTG	FOOTING
FV	FIELD VERIFY

G

GA	GAGE OR GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN'L	GENERAL
GL	GLULAM
GR BM	GRADE BEAM

H

HEX	HEXAGON(AL)
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SHAPE
HT	HEIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING

I

I	MOMENT OF INERTIA
INFO	INFORMATION
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDE(D)(ING)(SIVE)
INS	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE

J

JT	JOINT
JST	JOIST

K

K	KIP (1000 POUNDS)
KLF	KIP PER LINEAR FOOT
KSF	KIP PER SQUARE FOOT

L

l	LITER
L	ANGLE (STRUCTURAL SHAPE)
LB	POUND
LH	LEFT HAND
LL	LIVE LOAD
LONG	LONGITUDAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT WT	LIGHT WEIGHT
LP	LOW POINT

M

MAU	MAKE UP AIR UNIT(S)
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MCJ	MASONRY CONTROL JOINT
MECH'L	MECHANICAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFY
M	MOMENT
MC	MOMENT CONNECTIONS
MTL	METAL

N

N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NEAR SIDE (FACE)
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFD	OVER FLOW DRAIN
OH DR	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OH	OPPOSITE HAND
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.

P

PAR	PARALLEL
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PCI	PRESTRESSED CONCRETE INSTITUTE
PEMB	PRE-ENGINEERED METAL BUILDING
PENET	PENETRATION
PERP	PERPENDICULAR
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION
PVC	POLYVINYL CHLORIDE
PLYWD	PLYWOOD
PVG	PAVING

Q

QC	QUALITY CONTROL
QTY	QUANTITY

R

R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RF	RIGID FRAME
RH	RIGHT HAND(ED)
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT

S

S	SOUTH
SCH	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SC	SLIP CONNECTION
SOG	SLAB ON GRADE
SPA	SPACE
SPEC	SPECIFICATION
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STIFF	STIFFENER
STIR	STIRRUPS
STRUCT	STRUCTURAL
SYM	SYMMETRICAL

T

T	TENSION
TAN	TANGENT
TEMP	TEMPORARY
TERR	TERRAZZO
THK	THICKNESS
T&B	TOP AND BOTTOM
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOG	TOP OF GRADE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PIER
TOS	TOP OF STEEL
TOW	TOP OF WALL
TL	TOTAL LOAD
TCX	TOP CHORD EXTENSION
TS	TUBE STEEL
TYP	TYPICAL
T&G	TONGUE AND GROOVE

U

UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORIES, INC.
ULT	ULTIMATE
UNO	UNLESS NOTED OTHERWISE

V

V	SHEAR
VAR	VARIES
VERT	VERTICAL

W

W	WEST
WLD	WELDED
WP	WORK POINT
WWF	WELDED WIRE FABRIC
WB	WIND-BRACING
WS	WATERSTOP
WT	WEIGHT
W/	WITH
W/O	WITHOUT

GENERAL STRUCTURAL NOTES

01-GENERAL

1. THIS PROJECT SHALL MEET ALL REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE.
2. DESIGN LIVE LOADS:
   - ROOF= 20 PSF
   - ROOF SNOW LOAD FOR GROUND SNOW LOAD Pf= 5 PSF
   - FLOOR LOAD
     - COMMON 100 PSF
     - LIGHT STORAGE 125 PSF
3. DESIGN WIND LOADS
   - RISK CATEGORY: II
   - BASIC WIND SPEED - 110 MPH
   - Iw = 1.0
   - WIND EXPOSURE C
   - APPLICABLE INTERNAL COEFFICIENT (GCpi): INCLUDED
   - MWFRS (MAIN WIND FORCE RESISTING SYSTEM): PER ASCE 7-10
   - COMPONENTS AND CLADDING: (SUBJECT TO ASCE 7-10 ASD 0.6 FACTOR)
   - DIMENSION A= 5'-0"
   - EXTERIOR WALLS (INWARD OR OUTWARD)
     - ZONE 4 = 55 PSF (AREA = 10 SF)
     - ZONE 5 = 65 PSF (AREA = 10 SF)
   - ROOF (INWARD OR OUTWARD)
     - ZONE 1 = 50 PSF (AREA = 10 SF)
     - ZONE 2 = 85 PSF (AREA = 10 SF)
     - ZONE 3 = 125 PSF (AREA = 10 SF)
     - ZONE 2 (OH) = 125 PSF (AREA = 10 SF)
     - ZONE 3 (OH) = 207 PSF (AREA = 10 SF)
4. FOUNDATIONS ARE DESIGNED TO MEET THE RECOMMENDATIONS CONTAINED IN A REPORT PREPARED FOR THIS PROJECT BY TERRACON GEOREPORT DATED NOVEMBER 16, 2018.
5. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING VALUE OF 2000 PSF, AT A MINIMUM DEPTH OF 2 FEET BELOW FINAL GRADES.
6. ALL FILL MATERIAL SHALL HAVE A MINIMUM PLASTICITY INDEX OF 5 AND A MAXIMUM PLASTICITY INDEX OF 15 WITH A LIQUID LIMIT OF 30 OR LESS, AND SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% OF ASTM D698 (STANDARD PROCTOR) AT ABOVE OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE NOTED. BRACE ALL GRADE BEAMS AS REQUIRED DURING COMPACTION OPERATION.
7. GRADE BEAM DEPTHS SHALL BE INCREASED, IF NECESSARY BY FIELD CHANGE, TO EXTEND A MINIMUM OF 6" BELOW FINISH GRADE/FROST LINE.
8. EXPOSED FACES OF GRADE BEAMS SHALL BE RUBBED WITHIN 24 HOURS AFTER POURING.
9. STRUCTURAL DRAWINGS MAY NOT BE USED AS SHOP DRAWINGS.
10. ALL SHELF L'S AND BOLTS TO BE GALVANIZED. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE ELEMENTS, OR SOIL SHALL BE GALVANIZED (G60) OR TREATED WITH HIGH PERFORMANCE PAINT PER THE SPECIFICATIONS.
11. VERIFY THE SIZE AND LOCATION OF ALL MECHANICAL AND ELECTRICAL OPENINGS, AND VERIFY NO CONFLICT WITH STRUCTURAL ELEMENTS. CONSULT STRUCTURAL ENGINEER IF LOCATIONS OR WEIGHTS OF ROOF TOP UNITS OR OTHER MECHANICAL EQUIPMENT DIFFER FROM THOSE SHOWN ON PLAN.
12. PROVIDE ALL CONCRETE PADS, TRAPS, BASINS, ETC., SHOWN ON MECHANICAL DRAWINGS WHERE INDICATED TO BE SUPPLIED BY GENERAL CONTRACTOR.
13. VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND EXISTING CONDITIONS. CONTRACTOR IS TO NOTIFY ARCHITECT AND OBTAIN CLARIFICATION IN WRITING PRIOR TO PROCEEDING.

02-CONCRETE

1. ALL CONCRETE AND METAL REINFORCEMENT SHALL BE FABRICATED AND PLACED IN CONFORMITY WITH THE "ACI STANDARD BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-11)
2. POURED IN PLACE CONCRETE SHALL STRICTLY ADHERE TO THE PROPORTIONS, ESTABLISHED IN DESIGN MIXES, CONSISTING OF THE ACTUAL MATERIALS TO BE USED DURING CONSTRUCTION, FOR THE SEVERAL STRENGTHS AND USES INTENDED. THESE DESIGN MIXES ARE TO BE PREPARED BY A PRE-QUALIFIED LABORATORY, AND THE MATERIALS AND TEST RESULTS ARE TO BE REVIEWED BY THE ENGINEER AND OWNER'S LAB REPRESENTATIVE PRIOR TO USE.
3. POURED IN PLACE CONCRETE IS TO BE NORMAL WEIGHT AND IS TO DEVELOP COMPRESSIVE STRENGTH F'C AT 28 DAYS PER CLASS OF CONCRETE SCHEDULE.
4. UNLESS OTHERWISE NOTED, METAL REINFORCEMENT FOR POURED IN PLACE. CONCRETE IS TO BE ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. (GRADE 75 FOR COLUMN BARS #7 AND LARGER)
5. VERIFY THE PRESENCE, LOCATION, SIZES AND CORRECTNESS OF ALL OPENINGS, SLAB DEPRESSIONS AND EMBEDMENTS REQUIRED PRIOR TO CONCRETING. NO OPENINGS SHALL BE PERMITTED THROUGH BEAMS OR COLUMNS UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR REVIEWED BY THE STRUCTURAL ENGINEER.
6. PROPER ACCESSORIES/SUPPORTS ARE TO BE USED AS NOTED AND REVIEWED ON THE SHOP DRAWINGS. ALL REINFORCING TO BE SECURELY AND ACCURATELY HELD IN LOCATIONS SHOWN ON THE PLANS.
7. CONSTRUCTION JOINTS OF ALL TYPES MAY BE USED ONLY WHERE SHOWN ON THE FABRICATOR'S REVIEWED PLACING DRAWINGS.
8. PROVIDE CORNER BARS IN ALL GRADE BEAMS AND WALLS OF SAME SIZE AND SPACING AS ADJACENT BARS, UNLESS OTHERWISE NOTED.
9. PROVIDE STANDARD 90 DEGREE HOOKS ON ALL BARS AT BEAM ENDS. IF BEAM DEPTH IS PROHIBITIVE, USE STANDARD 180 DEGREE HOOK.
10. BARS SCHEDULED AS CONTINUOUS SHALL BE SPLICED WITH A 'CLASS B LAP' AND SPLICED AS FOLLOWS: TOP BARS AT CENTERLINE OF ANY SPAN. BOTTOM BARS OVER ANY SUPPORT.
11. UNLESS OTHERWISE SHOWN, ALL SLABS AND STEPS ON FILL SHALL BE REINFORCED WITH #4 BARS AT 18" CENTERS EACH WAY, SUPPORTED TWO INCHES FROM THE TOP OF SLAB, LAP 22" AT SPLICES.
12. POUR SLABS ON GRADE IN SECTIONS NOT TO EXCEED 225 SF SEPARATED BY KEYED OR DOWELED CONSTRUCTION CONTROL JOINTS OR SAWED JOINTS. NO DIMENSION IN EITHER DIRECTION IS TO EXCEED 15'-0". CONTRACTOR SHALL PROVIDE PROPOSED LAYOUT OF JOINTS FOR REVIEW BY THE ARCHITECT AND RECEIVE WRITTEN APPROVAL PRIOR TO PLACING ANY SLAB.
13. VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60'-0" LENGTHS AND CUT AS REQUIRED. CLASS 'B' LAPS WILL BE ALLOWED IN THE PIER STEEL. NO MORE THAN 50% OF BARS ARE TO BE LAPPED IN ANY 5'-0" LENGTH OF THE PIER.

03-EARTH WORK

1. ALL EARTH WORK AND SITE PREPARATION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED AND APPROVED BY THE GEOTECH.
2. ANY EXISTING FILLS OR UNSUITABLE SOILS AS DETERMINED BY THE GEOTECH SHALL BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED SOIL.
3. PROPOSED BUILDING SHOULD BE UNDERCUT TO A MINIMUM DEPTH OF 18" BELOW EXISTING GRADES OR 30" BELOW BOTTOM OF BUILDING SLAB, WHICHEVER EXTENDS TO A LOWER LEVEL. A MINIMUM OF 30" OF "NON-EXPANSIVE" SELECT FILL SHOULD BE PLACED WITHIN THE BUILDING FOOTPRINT.
4. UNDERCUTTING AND PLACEMENT OF "NON-EXPANSIVE" STRUCTURAL FILL SHOULD EXTEND A MINIMUM OF 5 FEET BEYOND BUILDING FOOTPRINT.
5. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

04-STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN CONFORMITY WITH THE REQUIREMENTS OF THE LATEST EDITION, AISC "MANUAL OF STEEL CONSTRUCTION".
2. THE MAIN FRAME IS TO BE A SIMPLE SYSTEM TYPE, WITH CONNECTIONS AS SHOWN ON AND NOTED ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR NOTED, CONNECTIONS AT NONCONTINUOUS JOINTS ARE TO BE DETAILED IN CONFORMANCE WITH THE 14TH EDITION, AISC "MANUAL OF STEEL CONSTRUCTION". CONNECTIONS SHALL BE DESIGNED FOR THE END REACTION OF BEAMS AS TABULATED IN PART 3 (ASD) OR AS SHOWN ON DETAILS OR NOTED ON PLANS. FIELD CONNECTIONS AT NONCONTINUOUS JOINTS ARE TO BE BOLTED OR WELDED, SHOP CONNECTIONS TO BE WELDED OR BOLTED.
3. EXCEPT AS SHOWN OR NOTED, ALL STRUCTURAL SHAPES ARE TO BE ASTM A-992, GR. 50 MATERIAL. TUBE STEEL TO BE Fy = 46 KSI, ASTM A500, GRADE B. STRUCTURAL PLATES AND MISCELLANEOUS STEEL SHALL BE ASTM A36 MATERIAL. ALL WELDS TO BE A MINIMUM OF 3/16" FILLET CONTINUOUS WELDS UNLESS NOTED OTHERWISE.
4. WELDS SHALL BE MADE ONLY BY PREQUALIFIED WELDERS PER AWS D1.1 CERTIFIED WITHIN THE LAST 12 MONTHS. ALL WELDS SHALL BE MADE USING E70 ELECTRODES.
5. ERECTION TOLERANCES SHALL CONFORM TO THE AISC CODE OF STANDARD PRACTICE EXCEPT THAT THE MAXIMUM TOTAL DISPLACEMENT AT THE CENTERLINES OF ANY COLUMN FROM THE ESTABLISHED COLUMN CENTERLINES SHALL NOT EXCEED 1/2 INCH AT ANY LEVEL.
6. A RECOGNIZED TESTING LABORATORY, REVIEWED BY THE STRUCTURAL ENGINEER, SHALL BE ENGAGED FOR THE PURPOSE OF SHOP AND FIELD INSPECTION. THE LABORATORY SHALL ASSURE THAT APPROVED WELDING MATERIALS AND SEQUENCES ARE USED, AND SHALL CERTIFY IN WRITING THAT THE QUALITY AND STRENGTH REQUIREMENTS OF ALL CONNECTIONS HAVE BEEN ATTAINED AND THAT ALL TOLERANCES ARE WITHIN SPECIFIED LIMITS.
7. PROVIDE BOLTS AND PUNCH HOLES IN STRUCTURAL AND MISCELLANEOUS METAL FOR ATTACHMENTS OF WOOD NAILERS AS REQUIRED ON THE ARCHITECTURAL, MECHANICAL OR STRUCTURAL DRAWINGS.
8. STRUCTURAL AND MISCELLANEOUS METAL IS TO BE CLEANED PRIOR TO SHOP PAINTING AND SHIPMENT IN ACCORD WITH THE STRUCTURAL STEEL PAINTING COUNCIL REQUIREMENTS FOR THE FOLLOWING GRADE: POWER TOOL.
9. PROVIDE MINIMUM 1/4 INCH CAP PLATE AT ENDS OF ALL TUBE STEEL MEMBERS, UNLESS OTHERWISE NOTED.
10. ALL EXTERIOR EXPOSED STEEL SHALL BE GALVANIZED UNLESS NOTED AND/OR SPECIFIED OTHERWISE.

05-WOOD

1. ALL MATERIAL TO BE #2 KD SOUTHERN PINE, OR BETTER, WITH A MINIMUM Fb = 1400 PSI AND E = 1,600,000 PSI, UNLESS NOTED OTHERWISE.
2. ALL TRUSSES TO BEAR DIRECTLY OVER A STUD. ADD ADDITIONAL STUDS IF NECESSARY.
3. PROVIDE JOIST HANGERS AT FLUSH CONNECTIONS AND WHERE RAFTERS OR JOISTS DO NOT BEAR ON PLATES.
4. PROVIDE ONE JAMB STUD PLUS STANDARD STUD FOR HEADER SPANS 4'-6' OR LESS AND TWO JAMB STUDS PLUS STANDARD STUD FOR SPANS OVER 4'-6', UNLESS SHOWN OTHERWISE.
5. PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS PARALLEL TO FLOOR JOIST SPAN.
6. ALL HEADERS TO BE: SEE SCHEDULE, UNLESS SHOWN OTHERWISE ON PLAN.
7. EXECUTION OF WOOD FRAMING SHALL CONFORM TO THE MANUAL FOR HOUSE FRAMING, NATIONAL LUMBER ASSOCIATION.
8. ALL SIMPSON (OR APPROVED EQUAL) WOOD FRAMING CONNECTORS SHALL BE INSTALLED WITH NAILS PER CATALOG. USE MINIMUM NUMBER PER CONNECTION UNLESS NOTED OTHERWISE.

06-PRE-FABRICATED/ENGINEERED WOOD TRUSSES

1. TRUSS JOISTS AT FLOORS AND ROOF TRUSSES TO BE DESIGNED FOR LIVE LOADS SHOWN BELOW PLUS ALL DEAD LOADS. FABRICATED TRUSSES ARE CONSIDERED A SYSTEM AND ARE TO BE DESIGNED BY AND ARE THE RESPONSIBILITY OF THE TRUSS FABRICATOR AND THEIR REGISTERED ENGINEER. THE TRUSS MANUFACTURER SHALL PROVIDE A SET OF THE CONSTRUCTION DOCUMENTS TO THE TRUSS DESIGN ENGINEER WHO SEALS THE CALCULATIONS FOR REVIEW AND REFERENCE IN THEIR DESIGN. TRUSS CALCULATIONS, TRUSS LAYOUT/PLAN, AND SHOP DRAWINGS ARE TO BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
2. LOADS:
   a. ROOF LIVE = 20 PSF
   b. ROOF LIVE MEP = 50 PSF
3. DEFLECTIONS OF TRUSS FRAMING SHALL BE LIMITED TO THE FOLLOWING:
   a. FLOOR LIVE LOAD = L/480
   b. FLOOR TOTAL LOAD = L/260
   c. ROOF LIVE LOAD = L/360
   d. ROOF TOTAL LOAD = L/240
   e. EFFECT OF E-VARIABLE SHALL BE CONSIDERED IN DEFLECTION CALC BY REDUCING PUBLISHED (E) BY 25%.
   f. A CREEP FACTOR SHALL BE CONSIDERED IN THE TOTAL DEFLECTION CALCULATION OF Kcr = 1.5, MULTIPLIED BY THE INITIAL DEAD LOAD DEFLECTION.
4. TRUSS MANUFACTURER TO FIELD VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND CONFIRM DURING INSTALLATION. TRUSS PROFILE DIMENSIONS AND CONFIGURATION OF TOP AND BOTTOM CHORDS SHALL BE TAKEN FROM ARCHITECTURAL DOCUMENTS AND SECTIONS.
5. TRUSS MANUFACTURER/DESIGNER SHALL DESIGN/PROVIDE FOR AND SHOW ON SHOP DRAWINGS ALL ITEMS LISTED IN IBC SECTION 2303.4 WITH THE FOLLOWING CLARIFICATION: ALL PERMANENT BRIDGING/BRACING REQUIRED FOR LATERAL BRACING (BOTTOM CHORD OR OTHERWISE) OF WOOD TRUSSES PER IBC 2303.4.1, INCLUDING BRIDGING CONNECTION DETAILS TO TRUSSES AND MAIN SUPPORT STRUCTURE SHALL BE SHOWN AND SPECIFIED BY TRUSS MFR. BRACING FOR PIGGYBACK TRUSSES IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND THEIR ENGINEER TO DESIGN, SEAL AND SPECIFY.

07-WOOD SHEATHING

1. ROOF SHEATHING SHALL BE 23/32" MINIMUM THICKNESS TONGUE AND GROOVE APA RATED STRUCTURAL 1 OR EXPOSURE 1 WITH A MINIMUM SPAN RATING OF 32/16. LONG DIMENSION SHALL BE PERPENDICULAR TO SUPPORTS AND BE CONTINUOUS OVER TWO OR MORE SPANS WITH A STAGGERED JOINT LAYOUT. ROOF SHEATHING SHALL BE NAILED WITH 10d COMMON NAILS AT 6" ON CENTER AT PANEL EDGES, AND AT 12" ON CENTER AT ALL INTERMEDIATE SUPPORTS. ALL FASTENERS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.
2. SHEARWALL SHEATHING SHALL BE 15/32" MINIMUM THICKNESS APA RATED STRUCTURAL 1 OR EXPOSURE 1 WITH A MINIMUM SPAN RATING OF 32/16. LONG DIMENSION SHALL BE PERPENDICULAR TO SUPPORTS AND BE CONTINUOUS OVER TWO OR MORE SPANS WITH A STAGGERED JOINT LAYOUT. SHEARWALL SHEATHING SHALL BE NAILED WITH 10d COMMON NAILS ACCORDING TO THE SHEARWALL SCHEDULE. ALL FASTENERS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.
3. PROVIDE 4'-0" WIDTH OF PLYWOOD SHEATHING MINIMUM AT ALL BUILDING CORNERS. NAIL TO SUPPORTS WITH 10d NAILS AT 6" ON CENTER AT PANEL EDGES, AND AT 6" ON CENTER AT ALL INTERMEDIATE SUPPORTS.

08-HEAVY TIMBER/ENGINEERED LUMBER CONSTRUCTION

1. ALL LAMINATED BEAMS TO HAVE A MINIMUM Fb = 2000 PSI FV = 90 Fc+ = 245 PSI AND E = 1,600,000 PSI.
2. ALL GLULAM OR LAMINATED BEAMS TO HAVE MINIMUM MATERIAL PROPERTIES EQUAL TO OR BETTER THAN THE 24F-V3 LAYUP COMBINATION OR Fb = 2400 PSI, Fv = 270 PSI, Fc += 740 PSI AND E = 1,800,000.
3. CONNECTIONS BETWEEN MEMBER OF HEAVY TIMBER TRUSSES, GLULAM TRUSSES OR LARGE GLULAM FRAMES/BEAMS SHALL BE DESIGN VERIFIED BY MANUFACTURER'S PROFESSIONAL ENGINEER FOR LOADS SPECIFIED.
4. ALL COMPOSITE PSL BEAMS SHALL HAVE MINIMUM MATERIAL PROPERTIES EQUAL TO OR BETTER THAN iLEVEL 2.0E PARALLAM PSL BEAMS OR Fb = 2900 PSI, Fv = 290 PSI, Fc+ = 750 PSI AND E = 2,000,000 PSI.
5. ALL COMPOSITE LVL BEAMS SHALL HAVE MINIMUM MATERIAL PROPERTIES EQUAL TO OR BETTER THAN iLEVEL 1.9E MICROLLAM LVL OR Fb = 2600 PSI, Fv = 285 PSI, Fc+ = 750 AND E = 1,900,000 PSI.
6. ALL COMPOSITE LSL BEAMS SHALL HAVE A MINIMUM MATERIAL PROPERTIES EQUAL TO OR BETTER THAN iLEVEL 1.55E TIMBERSTRAND LSL OR Fb = 2325 PSI, Fv = 310 PSI, Fc+ = 800 PSI, AND E = 1,550,000 PSI.
7. APPEARANCE OR FINISH OF ALL HEAVY TIMBER, GLULAM, OR COMPOSITE FRAMING SHALL BE VERIFIED AND COORDINATED WITH ARCHITECTURAL REQUIREMENTS.

09-POST INSTALLED ANCHORS

POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR. ALL POST INSTALLED ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS CURRENT PUBLISHED INSTALLATION INSTRUCTIONS (MPII). INSTALLATION OF ADHESIVE ANCHORS EITHER HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED ONLY BY ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLERS.

SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THEN THOSE LISTED BELOW, SHALL BE SUBMITTED TO THE ENGINEER WITH CALCULATIONS THAT ARE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER SHOWING THAT THE SUBSTITUTED PRODUCTS WILL ACHIEVE AN EQUIVALENT CAPACITY. UNLESS OTHERWISE NOTED ON THE PLANS, ANCHORS SHALL BE:

1. CONCRETE EXPANSION ANCHORS
   a. ALL CONCRETE EXPANSION ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318, APPENDIX D AND SHALL BE ACCEPTABLE FOR BOTH CRACKED AND UNCRACKED CONCRETE.
   b. "STRONG-BOLT" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   c. HILTI KWIK BOLT III EXP. ANCHORS BY HILTI CORP.
   d. HILTI UNDERCUT ANCHOR BY HILTI CORP.
   e. POWER-STUD + SD 1 BY POWERS FASTENERS
   f. POWER-STUD + SD 2 BY POWERS FASTENERS
2. GROUTED MASONRY EXPANSION ANCHORS
   a. "WEDGE-ALL" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   b. KWIK BOLT III EXP. ANCHOR BY HILTI CORP.
   c. POWER-STUF + SD 1 BY POWERS FASTENERS
3. CONCRETE AND MASONRY SCREW ANCHORS
   a. ALL SCREW ANCHORS SHALL BE INSTALLED IN DRY INTERIOR NON-CORROSIVE ENVIRONMENTS OR FOR TEMPORARY OUTDOOR APPLICATIONS.
   b. "TITEN HD" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   c. HUS-H SCREW ANCHOR BY HILTI CORP.
   d. WEDGE-BOLT BY POWERS FASTENERS
4. ADHESIVE ANCHORS
   a. ADHESIVE ANCHORS SHALL CONSIST OF AN INSERT AND AN ADHESIVE FORMULA SPECIFIED BY THE MANUFACTURER. INSERTS SHALL MEET THE REQUIREMENTS OF ASTM A307, A36, A193-B7 OR F1554 FOR THREADED RODS OR ASTM A615 OR A706 FOR REBAR UNLESS NOTED OTHERWISE.
   b. ALL ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG TERM LOADING. ONLY NON EPOXY BASED ADHESIVES SHALL BE USED WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG. F.
   c. PROVIDE SCREEN TUBES OR APPROVED MANUFACTURER APPARATUS FOR INSTALLATION IN UNGROUTED MASONRY OR BRICK VOID SPACE OR CELLS.
   d. "SET EPOXY" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   e. "ACRYLIC-TIE" BY SIMPSON STRONG-TIE CO. OF PLEASANTON, CA.
   f. HILTI HIT-HY200 SAFE SET (ESR-3187)BY HILTI CORPORATION
   g. HILTI HIT-HY70 (ESR-2682) BY HILTI CORPORATION
   h. HILTI RE 500v3 SAFE SET (ESR-3814) BY HILTI CORPORATION
   i. AC 100+ GOLD BY POWERS FASTENERS (FOR CONCRETE AND MASONRY)
   j. DEWALT/POWERS AC 100+ BY DEWALT (FOR CONCRETE AND MASONRY)
   k. DEWALT/POWERS PURE 110+ BY DEWALT (FOR CONCRETE)
   l. DEWALT AC200+ BY DEWALT (FOR CONCRETE)

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS
JOHN JACOB CLICK
90550
REGISTERED PROFESSIONAL ENGINEER
04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE: April 3, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

REV	DATE	DESCRIPTION

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm DesignGroup

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

S1.1

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/MWM_GE WMA Gathering Lodge_Arch(R23).rvt

REQUIRED SPECIAL INSPECTIONS - STRUCTURAL STEEL

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL (REF TABLE 1705.2.2 OF IBC)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS				
	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	APPLICABLE ASTM MATERIAL STANDARDS; AISC 360, SECTION A3.3	
	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	APPLICABLE ASTM MATERIAL STANDARDS	
2.	INSPECTION OF HIGH-STRENGTH BOLTING				
	SNUG-TIGHT JOINTS.	-	X		
	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCH MARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	-	-	AISC 360, SECTION M2.5	1704.3.3
	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCH MARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	-	-		
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK				
A.	FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	-	X		
B.	FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	ASTM A 6 OR ASTM A 568 9	
C.	MANUFACTURER'S CERTIFIED TEST REPORTS.	-	X		
4.	MATERIAL VERIFICATION OF WELD FILLER MATERIALS				
A.	IDENTIFICATION MARKING TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	
B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X		
5.	INSPECTION OF WELDING				
A.	STRUCTURAL STEEL AND/OR COLD-FORMED STEEL DECK:				
	1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X	-		
	2) MULTIPASS FILLET WELDS	-	X		
	3) SINGLE-PASS FILLET WELDS > 5/16"	-	X	AWS D1.1	1704.3.1
	4) PLUG AND SLOT WELDS	-	-		
	5) SINGLE-PASS FILLET WELDS < = 5/16"	-	X		
	6) FLOOR/ROOF DECK WELDS/ PAFs	-	X	AWS D1.3	
B.	REINFORCING STEEL:				
	1) VERIFICATION OF WELD ABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	-	X		
	2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	-	-	AWS D1.4 ACI 318; 3.5.2	
	3) SHEAR REINFORCEMENT	X	-		
	4) OTHER REINFORCING STEEL	-	X		
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE				
A.	DETAILS SUCH AS BRACING AND STIFFENING	-	X		
B.	MEMBER LOCATIONS	-	X		1704.3.2
C.	APPLICATION OF JOINT DETAILS AT EACH LOCATION	-	X		

REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (REF TABLE 1.18.3 ACI 530)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	PROPORTIONS OF SITE MIXED MORTAR, GROUT, AND ANY PRESTRESSING GROUT FOR BONDED TENDONS	-	X	ACI 530: 1.18	1705.4
2.	COMPLIANCE OF SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	X	-	ACI 530: 1.18	1705.4
3.	COMPLIANCE OF TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	X	-	ACI 530: 1.18	1705.4
5.	COMPLIANCE OF PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COD WEATHER (TEMPERATURE BELOW 40 DEGREES F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES F).	-	X	ACI 530: 1.18	1705.4
6.	GRADE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES	X	-	ACI 530: 1.18	1705.4
7.	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	X	-	ACI 530: 1.18	1705.4
8.	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORS	X	-	ACI 530: 1.18	1705.4
9.	GROUT SPACE PRIOR TO GROUTING	-	X	ACI 530: 1.18	1705.4
10.	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	X	-	ACI 530: 1.18	1705.4
11.	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENTS, AND/OR PRISMS	X	-	ACI 530: 1.18	1705.4

GENERAL STRUCTURAL NOTES (CONT'D.)

10-CONCRETE MASONRY UNITS

1. ALL MASONRY TO HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH F'M OF 1900 PSI AT THE AGE OF 28 DAYS.

2. ALL CMU (CONCRETE MASONRY UNITS) TO HAVE A MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI. ASTM C90, LIGHTWEIGHT AGGREGATE.

3. MORTAR SHALL BE TYPE S.

4. CONSTRUCTION TO COMPLY WITH ACI 530.1 TMS 602 ASCE 6-13.

5. CONTRACTOR TO BE RESPONSIBLE FOR BRACING ALL MASONRY WALLS DURING CONSTRUCTION AND UNTIL ENTIRE STRUCTURE IS COMPLETE.

6. MASONRY DESIGN IS BASED ON THE CRITERIA THAT INSPECTION IS REQUIRED. INSPECTION SHALL COMPLY WITH SECTION 1704.5.2 AND TABLE 1704.5.1 OF IBC, AND SECTION 1.15.3 AND TABLE 1.15.2 OF ACI/ASCE 530@02.

7. GROUT FOR BOND BEAMS AND GROUT FILLED CELLS SHALL MEET PROPORTION REQUIREMENTS OF ASTM C476 AND SHALL HAVE A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

8. GROUT POURS SHALL NOT EXCEED 4 FEET IN HEIGHT EXCEPT WHERE CLEAN OUTS ARE PROVIDED IN THE BOTTOM COURSE OF THE CELL TO BE FILLED.

9. VERTICAL REINFORCING BARS SHALL BE ASTM A-615, GRADE 60 AND TO BE HELD IN PLACE UNTIL GROUT IS SET. PLACE IN CENTER OF WALL UNLESS NOTED OTHERWISE ON DRAWINGS. REINFORCE CMU WALLS IN GROUTED CELLS AS FOLLOWS, UNLESS NOTED OTHERWISE ON DRAWINGS:
   a. 8" CMU WALL — #5 AT 8" O/C (FULLY GROUTED CELLS)

10. STEEL LINTELS FOR OPENINGS GREATER THAN 6'-0" SHALL BE SHORED AT MID SPAN UNTIL THE SUPPORTED MASONRY/BRICK WALL HAS CURED.

11. PROVIDE A VERTICAL BAR, THAT MATCHES WALL VERTICAL REINFORCING SIZE, ADJACENT TO ALL OPENINGS (DOORS, ETC), AT ENDS OF WALLS, AND ADJACENT TO ALL VERTICAL MASONRY CONTROL JOINTS.

12. CONTROL JOINTS SHALL BE 2'-8" OR HALF THE DOOR WIDTH +/- WHICHEVER IS GREATER FROM DOOR. VERTICAL CONTROL JOINTS SHALL BE LOCATED AT 25'-0" MAX. ON CENTER.

13. FILL ALL CELLS BELOW GRADE WITH GROUT.

14. REINFORCE CONCRETE MASONRY UNIT JOINTS WITH LADDER TYPE HOT DIP GALVANIZED COLD-DRAWN STEEL CONFORMING TO ANSI/ASTM A82, REFER SPECS FOR SIZE (W2.8 SIDE RODS WITH W2.8 CROSS RODS AT TORNADO SHELTERS).
   A. SPACE JOINT REINFORCING AT 16" O/C TYPICAL, SPACE AT 8" O/C AT TORNADO SHELTER AND PARAPETS, UNLESS NOTED OTHERWISE.
   B. LAP JOINT REINFORCING 14" AT SPLICES.
   C. JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS AND EXPANSION JOINTS.
   D. PROVIDE PREFABRICATED JOINT REINFORCING CORNER PIECES AT ALL WALL CORNERS AND INTERSECTIONS.

11-SUBMITTALS

1. SUBMITTAL LIST AND SCHEDULE
   THE GENERAL CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHEDULE OF ALL SUBMITTAL ITEMS TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED AND REVISED AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW.
   A. SHOP DRAWINGS
   B. MANUFACTURERS LITERATURE FOR PRODUCTS, ASSEMBLIES, AND HARDWARE
   C. PRODUCTS, ASSEMBLIES AND HARDWARE
   D. PRODUCT CERTIFICATIONS, MILL CERTIFICATES, AND AFFIDAVITS
   E. DESIGN CALCULATIONS

2. SHOP DRAWINGS
   A. THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
      1) CONCRETE MIX DESIGN (Φ)
      2) CONSTRUCTION JOINT LOCATIONS IN SLABS ON GRADE
      3) MISCELLANEOUS STEEL (TRUSS PLATES)
      4) REINFORCING STEEL
      5) PRE-ENGINEERED WOOD TRUSSES (*)

      NOTES:
      (*) ITEMS MARKED THUS SHALL HAVE SHOP DRAWINGS SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED PER THE PROJECT SPECIFICATIONS
      (#) ITEMS MARKED THUS SHALL BE SUBMITTED TO ENGINEER FOR OWNERS RECORD ONLY AND WILL NOT HAVE THE ENGINEERS SHOP DRAWINGS STAMP AFFIXED
      (Φ) ITEMS MARKED THUS SHALL BE SUBMITTED TO THE OWNERS TESTING AGENCY FOR THEIR REVIEW
   B. ALL SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL
   C. THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERIAL REQUIRED BY THE CONTRACT DOCUMENTS TO BE FURNISHED SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATERIALS, REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED

3. MANUFACTURERS LITERATURE
   SUBMIT MANUFACTURERS LITERATURE FOR ALL MATERIALS AND PRODUCTS USED IN CONSTRUCTION ON THE PROJECT

4. DESIGN CALCULATIONS
   THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS:
   A. PRE-ENGINEERED WOOD TRUSSES

5. REPRODUCTION
   THE USE OF ELECTRONIC FILES OR REPRODUCTION OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

12-DELEGATED DESIGN

1. IN ACCORDANCE WITH THE SPECIFICATIONS, THE ITEMS LISTED BELOW ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS. DESIGN OF THESE ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DESIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE HAVING JURISDICTION AT THE PROJECT SITE.

   A. STEEL CONNECTIONS
   B. METAL LADDERS
   C. GUARDRAIL AND HANDRAIL SYSTEMS
   D. COLD FORMED METAL FRAMING
   E. EMBEDDED ASSEMBLIES AND INSERTS, CLAMPS, HANGERS, UNISTRUT, TRAPEZES, ETC. FOR THE SUPPORT OF MEP SYSTEMS.
   F. EMBEDDED ASSEMBLIES, INSERTS, AND/OR HANGERS FOR FIRE SUPPRESSION SYSTEMS
   G. EXCAVATION SUPPORT AND PROTECTION
   H. SPECIALTY RETENTION SYSTEMS

2. DESIGN OF THE ITEMS LISTED ABOVE SHALL BE IN ACCORDANCE WITH THE GENERAL BUILDING CODE, AND SHALL INCLUDE ALL ATTACHMENTS TO THE STRUCTURE.

REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (REF TABLE 1.18.3 ACI 530) - CONTINUED

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
12.	SUBMITTALS FOR MATERIALS USED IN MASONRY CONSTRUCTION INDICATING COMPLIANCE WITH THE CONTRACT DOCUMENTS	-	X	ACI 530: 1.18	1705.4
13.	VERIFICATION OF f'm AND f'aac IN ACCORDANCE WITH ARTICLE 1.4B PRIOR TO CONSTRUCTION FOR EVERY 5000 SF OF CONSTRUCTION	X	-	ACI 530: 1.18	1705.4
14.	VERIFICATIONS OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, GROUT, AND PRESTRESSING GROUT AS DELIVERED TO THE SITE	-	X	ACI 530: 1.18	1705.4

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS — JOHN JACOB CLICK — 90350 — REGISTERED — ENGINEER — 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE:	April 3, 2024
DESIGNED BY:	GL
DRAWN BY:	GL
REVIEWED BY:	JC

REV	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES (CONT'D)

SHEET NUMBER
S1.2

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

REQUIRED VERIFICATION AND INSPECTION OF SOILS (REF TABLE 1705.6 OF IBC)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X	-	-
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X	-	-
3.	PERFORM CLASSIFICATIONS AND TESTING OF CONTROLLED FILL MATERIALS	-	X	-	-
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT OF COMPACTION OF CONTROLLED FILL	X	-	-	-
5.	PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X	-	-

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (REF 1704.4 OF IBC)

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	INSPECTION OF REINFORCING STEEL.	-	X	ACI 318: 3.5, 7.1-7.7	1913.4
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b	-	X	AWS D1.4 ACI318: 3.5.2	
3.	INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	-	-	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
4.	INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5.	VERIFYING USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
6.	AT TIME OF FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172 ASTM C 31 ACI 31 8: 5.6, 5.8	1913.10
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 5.11-5.13	1913.9
9.	INSPECTION OF PRESTRESSED/POST-TENSIONED CONCRETE. INSPECT PLACEMENT/QUALITY, LOCATION OF PT TENDONS	-	X		
	A. APPLICATION OF POST-TENSIONED/PRESTRESSING FORCES	X	-	ACI 318: 18.20	
	B. GROUTING OF BONDED POST-TENSIONED/PRESTRESSING TENDONS IN SEISMIC-FORCE-RESISTING SYSTEM	X	-	ACI 318: 18.18.4	
10.	ERECTION OF PRECAST CONCRETE MEMBERS INCLUDING INSPECTION OF WELDS TO EMBEDS AND SUPPORTS	-	X	ACI 318: CH. 16	
11.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	ACI 318: 6.2	
12.	INSPECT FORMWORK FOR SHAPE, LOCATIONS, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	

NOTES

1.	THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH THE BUILDING CODE. INSPECTORS SHALL PERFORM ALL DUTIES AND RESPONSIBILITIES AS REQUIRED BY THE BUILDING CODE. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR SPECIAL INSPECTIONS.
2.	THE SCHEDULE CONTAINS A LIST OF THE SPECIAL INSPECTION ACTIVITIES RELATED TO THE QUALITY ASSURANCE PLAN REQUIRED BY THE BUILDING CODE (IBC CHAPTER 17) FOR THE FABRICATION, ERECTION, AND CONSTRUCTION OF THE STRUCTURAL SYSTEMS AS DESCRIBED IN THE SPECIFICATION AND DRAWINGS FOR THE PROJECT. ALL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS AND TEST PROCEDURES. REFER TO IBC CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS," AND SPECIFICATION SECTION 01 45 23 "TESTS AND INSPECTIONS" FOR SPECIFIC TEST PROCEDURES. THE SCHEDULE IS INTENDED TO BE A "STATEMENT OF SPECIAL INSPECTIONS" ACCORDING TO IBC SECTION 1704.
3.	TESTING AND INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A PERIODIC OR DAILY BASIS WHENEVER INSPECTIONS ARE MADE ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO THE OWNER, CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING OFFICIAL (IF REQUESTED), FOR THEIR REVIEW, COMMENTS, AND ACTION, AS NEEDED.
4.	ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS REQUIRING SPECIAL INSPECTIONS PER SECTION 1705 OF THE IBC HAVE NOT BEEN LISTED HERE. REFER TO ARCH/MEP FOR SPECIAL INSPECTION REQUIREMENTS FOR THESE COMPONENTS.
5.	THE OWNER WILL EMPLOY AND PAY FOR THE SPECIAL INSPECTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AS NEEDED TO ENSURE THESE TESTS AND INSPECTIONS ARE PERFORMED AT THE APPROPRIATE TIMES. THE OWNER'S INSPECTORS WILL PROVIDE INSPECTIONS FOR STEEL AND WOOD FRAMING ITEMS AND A TESTING LABORATORY WILL PROVIDE MATERIALS TESTING, SITE TESTING FOR ALL OTHER ITEMS.

FOR REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL, SEE DWG. S1.2

REQUIRED VERIFICATION AND INSPECTION OF WOOD FRAMING

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1.	FABRICATOR CERTIFICATION/ QUALITY CONTROL PROCEDURES FOR WOOD TRUSS MANUFACTURER/ DESIGNER	-	X	TPI-1, NDS	2303.4.1.4
2.	MATERIAL GRADING	-	X	NDS	2303
3.	CONNECTIONS, LIGHT GAGE METAL CLIPS/ HANGERS/ HOLD-DOWNS OR OTHERWISE. INSPECT INSTALLATION, QUANTITY, CONFIGURATION, NAILS, AND TYPE OF CONNECTOR	-	X	NDS	2304
4.	DIAPHRAGM AND SHEARWALLS. INSPECT SIZE, CONFIGURATION, BLOCKING, FASTENING OF SHEARWALLS AND DIAPHRAGMS. VERIFY PANEL GRADE AND THICKNESS	-	X	NDS	2304.6 2304.7
5.	PREFABRICATED WOOD TRUSSES. INSPECT FABRICATION OF WOOD TRUSSES AND INSTALLATION OF PERMANENT TRUSS BRACING.	-	X	TPI-1, NDS	2303.4.1.4
6.	GENERAL FASTENING	-	X	NDS	2304.9

'ld' TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB OR WALL REBAR
(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI	
	ld TOP	ld BOTT	ld TOP	ld BOTT	ld TOP	ld BOTT
#3	1'-9"	1'-4"	1'-6"	1'-2"	1'-5"	1'-1"
#4	2'-4"	1'-10"	2'-1"	1'-7"	1'-10"	1'-5"
#5	3'-0"	2'-3"	2'-7"	2'-0"	2'-4"	1'-9"
#6	3'-7"	2'-9"	3'-1"	2'-4"	2'-9"	2'-1"
#7	5'-2"	4'-0"	4'-6"	3'-6"	4'-0"	3'-1"
#8	5'-11"	4'-7"	5'-2"	3'-11"	4'-7"	3'-6"
#9	6'-8"	5'-2"	5'-9"	4'-5"	5'-2"	4'-0"
#10	7'-6"	5'-10"	6'-6"	5'-0"	5'-10"	4'-6"
#11	8'-4"	6'-6"	7'-3"	5'-7"	6'-6"	5'-0"

NOTES:
1. TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THEN 'db', CLEAR COVER IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'ld' IS NOT LESS THAN CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2*'db' AND CLEAR COVER IS NOT LESS THAN 'db'. FOR OTHER CASES, MULTIPLY TABULATED VALUES BY 1.5.
2. 'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
3. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.
4. FOR EPOXY COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5 FOR BOTTOM BARS, OR BY 1.3 FOR TOP BARS.
5. FOR REINFORCEMENT OTHER THAN GRADE 60, MODIFY THE TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60 KSI.

TENSION LAP SPLICES-CLASS "B"
TOP BARS AND BOTTOM BARS
(GRADE 60 UNCOATED BARS)
NORMAL WEIGHT CONCRETE

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI	
	TOP	BOTT	TOP	BOTT	TOP	BOTT
#3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"
#4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"
#5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"
#6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"
#7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"
#8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"
#9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"
#10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"
#11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"

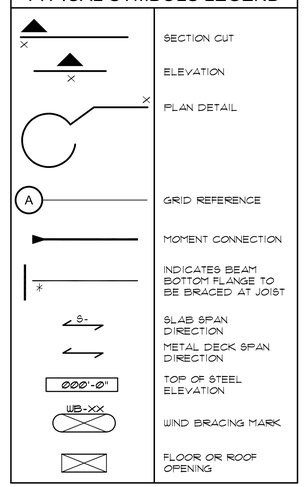
NOTES:
1. TABULATED VALUES ARE APPLICABLE ONLY IF CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THEN 'db', CLEAR COVER IS NOT LESS THAN 'db', AND STIRRUPS OR TIES THROUGHOUT 'ld' IS NOT LESS THAN CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN 2*'db' AND CLEAR COVER IS NOT LESS THAN 'db'. FOR OTHER CASES, MULTIPLY TABULATED VALUES BY 1.5.
2. 'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
3. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.
4. FOR EPOXY COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5 FOR BOTTOM BARS, OR BY 1.3 FOR TOP BARS.
5. FOR REINFORCEMENT OTHER THAN GRADE 60, MODIFY THE TABULATED VALUES BY THE RATIO OF THE REINFORCEMENT YIELD STRENGTH DIVIDED BY 60 KSI.
6. FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BAR SPLICES ARE STAGGERED BY THE DISTANCE OF THE SPLICE LENGTH) USE SAME AS TENSION DEVELOPMENT LENGTH.

CLASSES OF CONCRETE SCHEDULE

CONCRETE USAGE	MINIMUM COMPRESSIVE STRENGTH (f 'c)	SLUMP (IN)	CONCRETE TYPE	MAXIMUM AGGREGATE SIZE
SHALLOW FOUNDATIONS				
FOOTINGS	4000 PSI AT 28 DAYS	3-5	NWC	1 1/2"
GRADE BEAMS	4000 PSI AT 28 DAYS	3-5	NWC	1"
SLABS				
SLAB ON GRADE	4000 PSI AT 28 DAYS	3-5	NWC	1 1/2"

NOTES:
1. NWC REFERS TO NORMAL WEIGHT CONCRETE HAVING AIR DRY UNIT WEIGHT OF APPROXIMATELY 145 PCF (ASTM 33 AGGREGATE)

TYPICAL SYMBOLS LEGEND



NOTE:
ITEMS SHOWN ON THIS SYMBOLS LEGEND LIST MAY OR MAY NOT APPLY TO THIS PROJECT. ITEMS ARE FOR REFERENCE ONLY

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90502 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

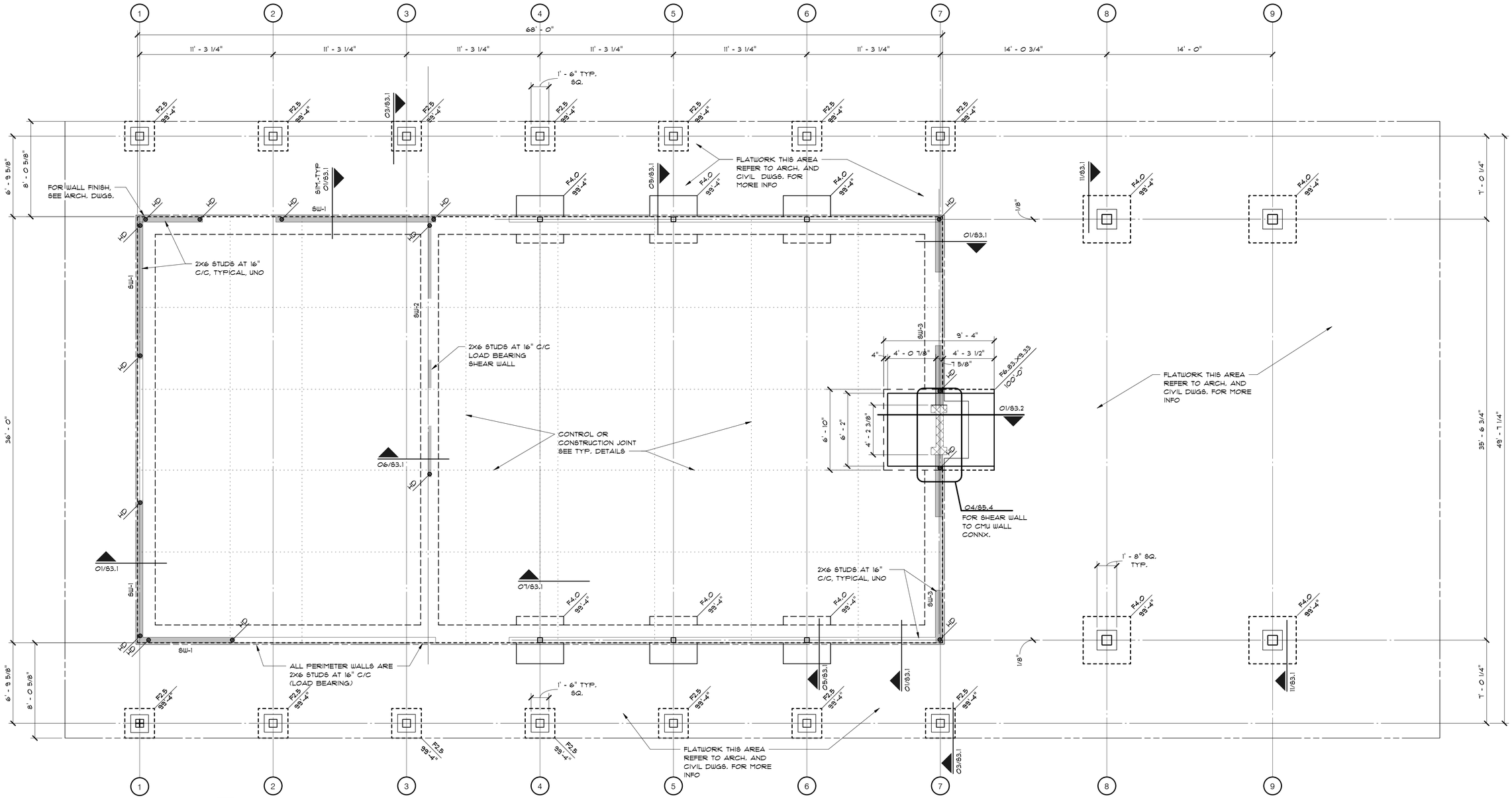
CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION

DATE: April 3, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE
SPECIAL INSPECTION CRITERIA & SCHEDULES

SHEET NUMBER
S1.3



STUDS
NO. OF FULL HEIGHT STUDS
HDU
HOLD DOWN IF PRESENT

JAMB STUD LEGEND FOR HEADER/BEAM
(REFER TO 09 AND 10/S5.3)

WALL LEGEND	
SW-1	SHEAR WALL REFER 09/S5.1 FOR ADDITIONAL INFORMATION (LOAD BEARING WALL)
HDU HDU	INDICATES SIMPSON HOLDOWN REFER TO 10/S5.1
	LOAD BEARING WALL REFER 01/S5.1
	CMU WALL
000'-0"	INDICATES TOP OF PLATE (TRUSS OR RAFTER BEARING EL.)
H	INDICATES WALL HEADER REFER TO 10/S5.3

01 FOUNDATION AND SLAB PLAN - GATHERING LODGE

1/4" = 1'-0"

PLAN NOTES:

1. FINISH FLOOR ELEVATION 100'-0"
   GATHERING LODGE - DATUM ELEVATION 358.00
   BUNKHOUSE (WEST) - DATUM ELEVATION 357.50
   BUNKHOUSE (EAST) - DATUM ELEVATION 356.50
2. TYPICAL SLAB IS 5" SLAB ON GRADE REINFORCED WITH #3 AT 16" OC. EACH WAY, CENTERED IN SLAB OVER 15 MIL VAPOR RETARDER PER SPECS.

PLAN NORTH
W E
S

FOOTING MARK SEE FOOTING SCHEDULE, DWG. S3.1
TOP OF FOOTING ELEV. (TYP. U.N.O.)

FOOTING LEGEND

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90560 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

REV	DESCRIPTION	DATE

DATE: April 3, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE
GATHERING LODGE
FOUNDATION AND SLAB PLAN

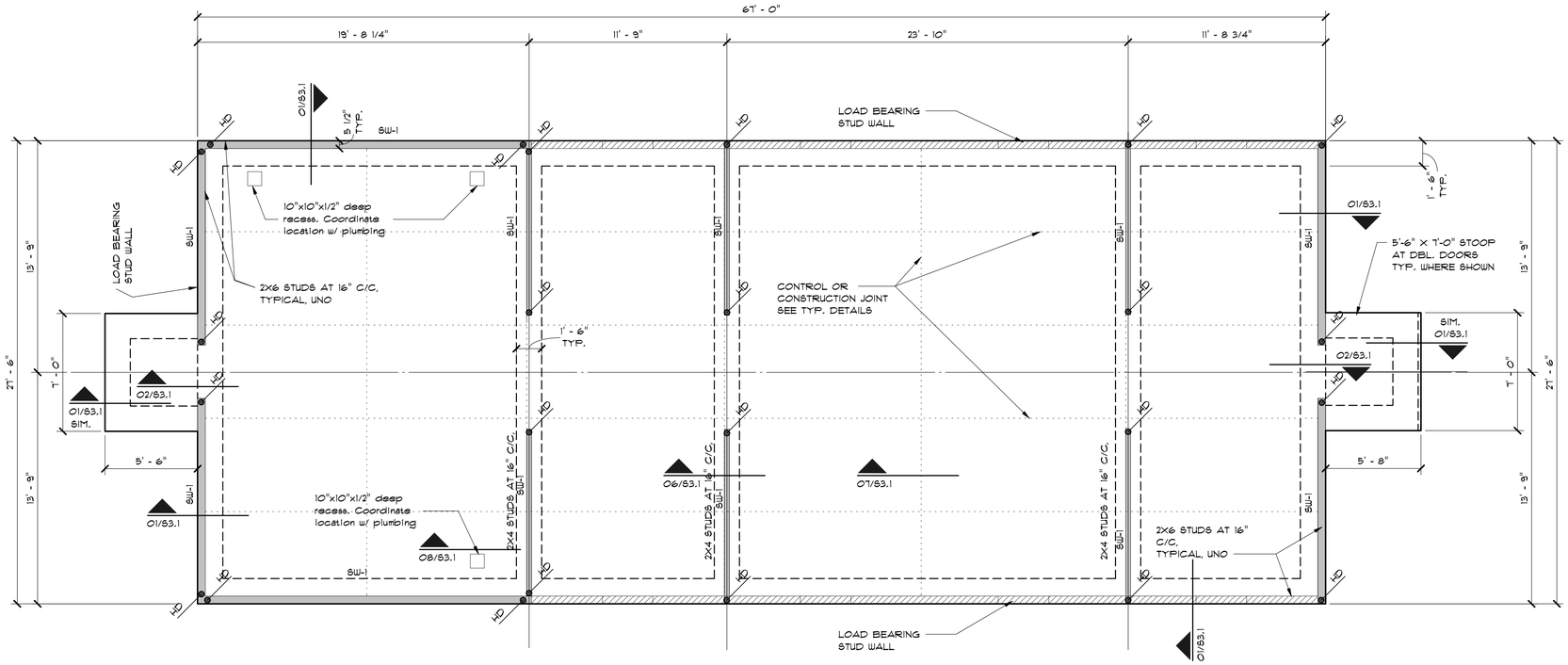
SHEET NUMBER
S2.1

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

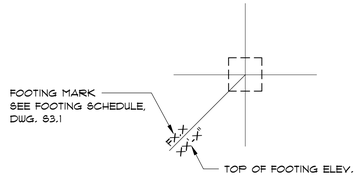
CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/23066-GEWMA-Bunkhouse-R2_R23.rvt



01 FOUNDATION AND SLAB PLAN - BUNKHOUSE EAST

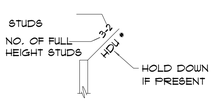
1/4" = 1'-0"



FOOTING LEGEND

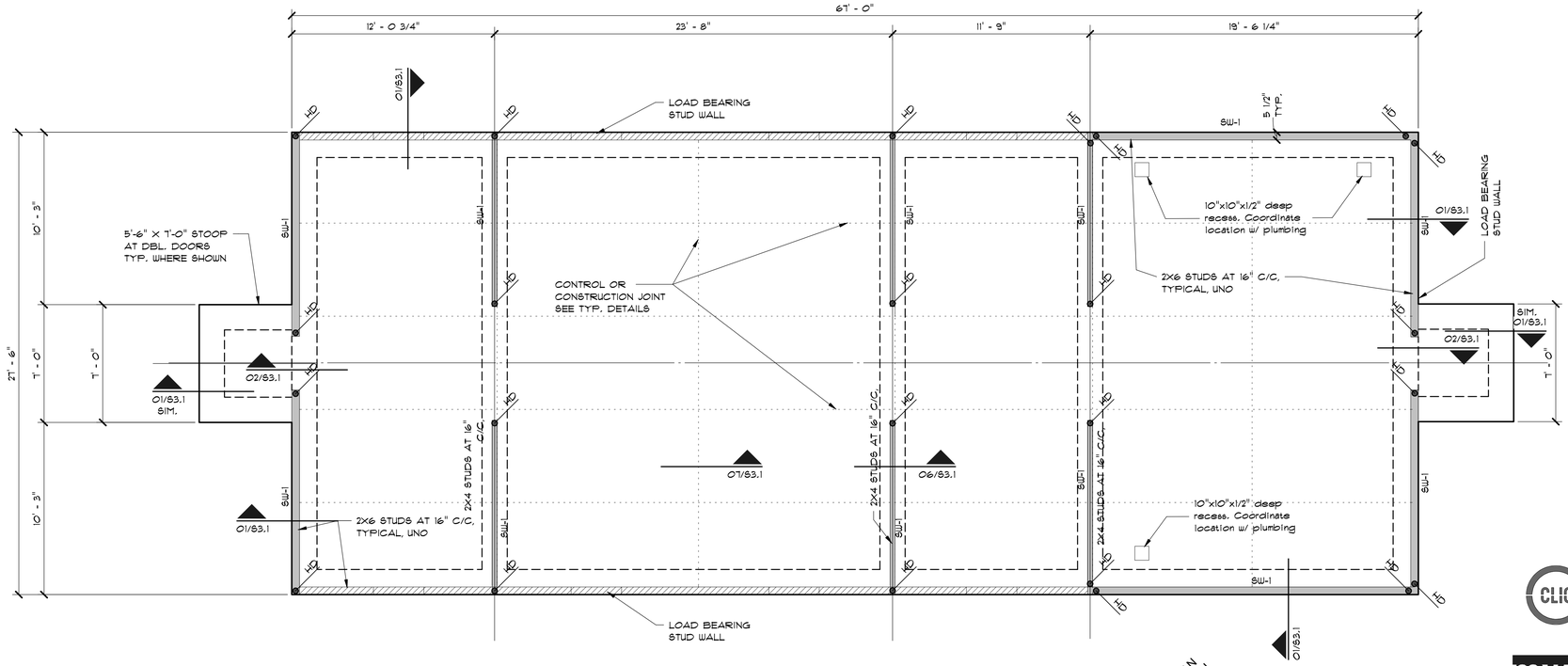
PLAN NOTES:

1. FINISH FLOOR ELEVATION 100'-0"
   GATHERING LODGE - DATUM ELEVATION 358.00
   BUNKHOUSE (WEST) - DATUM ELEVATION 357.50
   BUNKHOUSE (EAST) - DATUM ELEVATION 356.50
2. TYPICAL SLAB IS 5" SLAB ON GRADE REINFORCED WITH #3 AT 16" OC. EACH WAY, CENTERED IN SLAB OVER 15 MIL VAPOR RETARDER PER SPECS.



JAMB STUD LEGEND FOR HEADER/BEAM
(REFER TO 09 AND 10/S5.3)

WALL LEGEND	
SW-1	SHEAR WALL REFER 09/S5.1 FOR ADDITIONAL INFORMATION (LOAD BEARING WALL)
HDU HDU	INDICATES SIMPSON HOLDOWN REFER TO 10/S5.1
	LOAD BEARING WALL REFER 01/S5.1
	CMU WALL
000'-0"	INDICATES TOP OF PLATE (TRUSS OR RAFTER BEARING EL.)
H	INDICATES WALL HEADER REFER TO 10/S5.3



02 FOUNDATION AND SLAB PLAN - BUNKHOUSE WEST

1/4" = 1'-0"

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90560 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

TEXAS PARKS & WILDLIFE

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE:	April 3, 2024
DESIGNED BY:	GL
DRAWN BY:	GL
REVIEWED BY:	JC

REV	DESCRIPTION	DATE

SHEET TITLE
BUNKHOUSE FOUNDATION AND SLAB PLAN

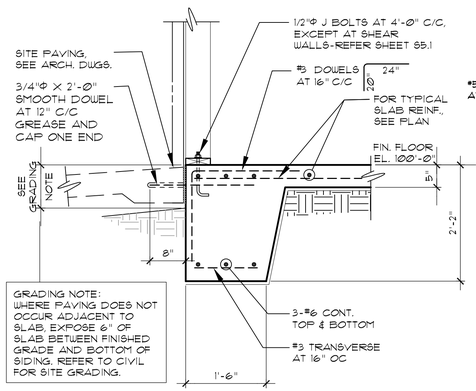
SHEET NUMBER
S2.2

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm DesignGroup

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

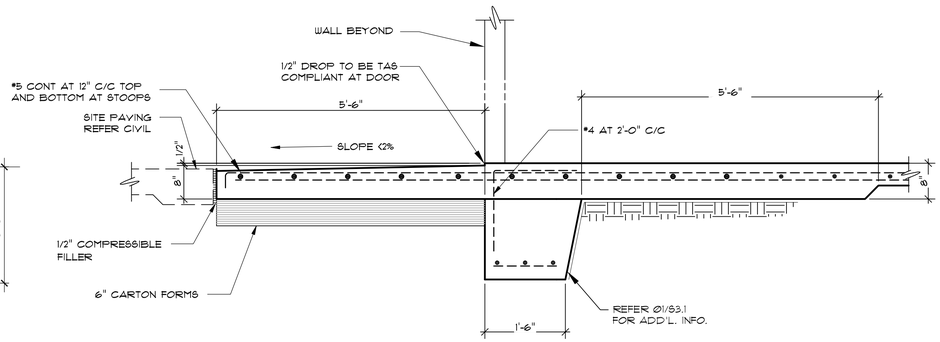
PATH: Autodesk Docs://Gus Engeling WMA/23066-GEWMA--Bunkhouse--R2--R23.rvt



TYPICAL PERIMETER BEAM

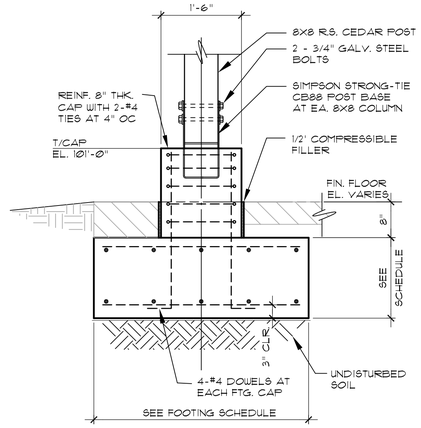
01 SECTION

3/4"=1'-Ø"



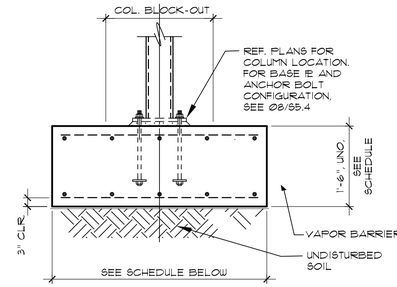
02 SECTION

3/4"=1'-Ø"



03 SECTION

3/4"=1'-Ø"

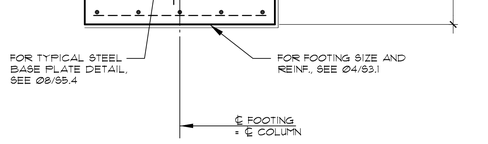


TYPICAL SECTION AT FOOTING

FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCING
F2.5	2'-6"X2'-6"X1'-6"	4-#4 E.W., T&B
F4.Ø	4'-Ø"X4'-Ø"X1'-6"	5-#6 E.W., T&B
F6.83X9.33	6'-1Ø"X9'-4"X1'-6"	#6 AT 12" E.W., T&B

04 TYPICAL FOOTING DETAIL & SCHEDULE

3/4"=1'-Ø"



05 SECTION

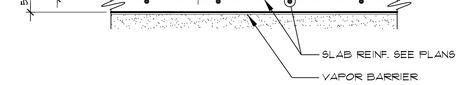
3/4"=1'-Ø"

CONDITION AT WALL

CONDITION AT WALL HOLDOWN

06 SECTION

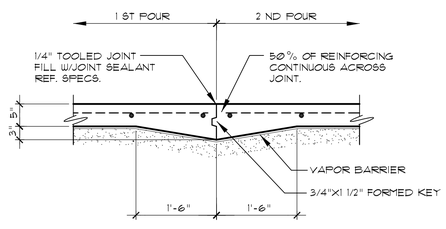
3/4"=1'-Ø"



NOTE: SAW CUT SLAB WITHIN 10 HOURS OF SLAB POUR.

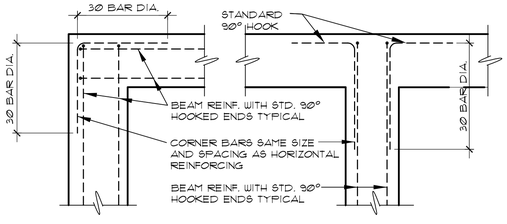
07 TYPICAL SLAB CONTROL JOINT

3/4"=1'-Ø"



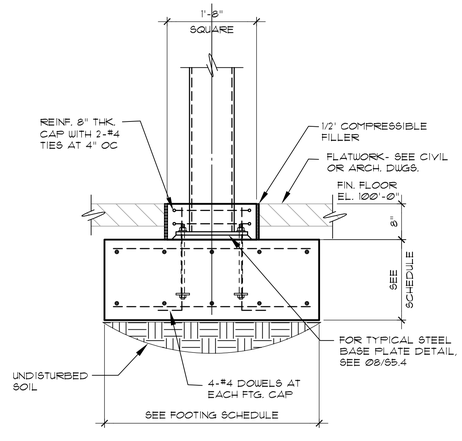
09 TYPICAL SLAB CONTROL JOINT

3/4"=1'-Ø"



10 TYPICAL BEAM CORNER BARS

NOT TO SCALE



11 SECTION

3/4"=1'-Ø"

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90500 · LICENSED PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION

DATE: April 3, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

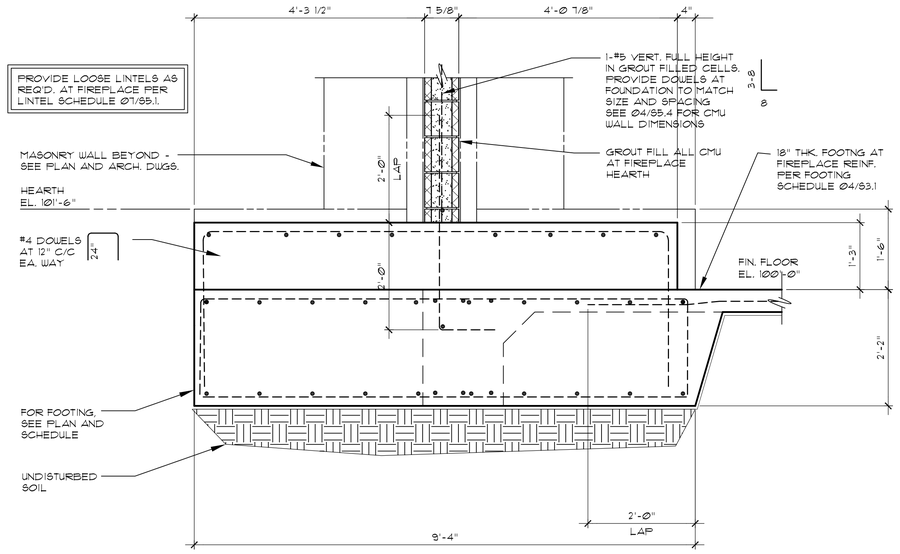
SHEET TITLE
FOUNDATION DETAILS

SHEET NUMBER
S3.1

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

PATH: Autodesk Docs://Gus Engeling WMA/WMA_GE WMA Gathering Lodge_Arch(R23).rvt



01 SECTION AT FIREPLACE

NOT TO SCALE

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90500 · LICENSED PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE:	April 3, 2024
DESIGNED BY:	GL
DRAWN BY:	GL
REVIEWED BY:	JC

REV	DATE	DESCRIPTION

SHEET TITLE

FOUNDATION DETAILS

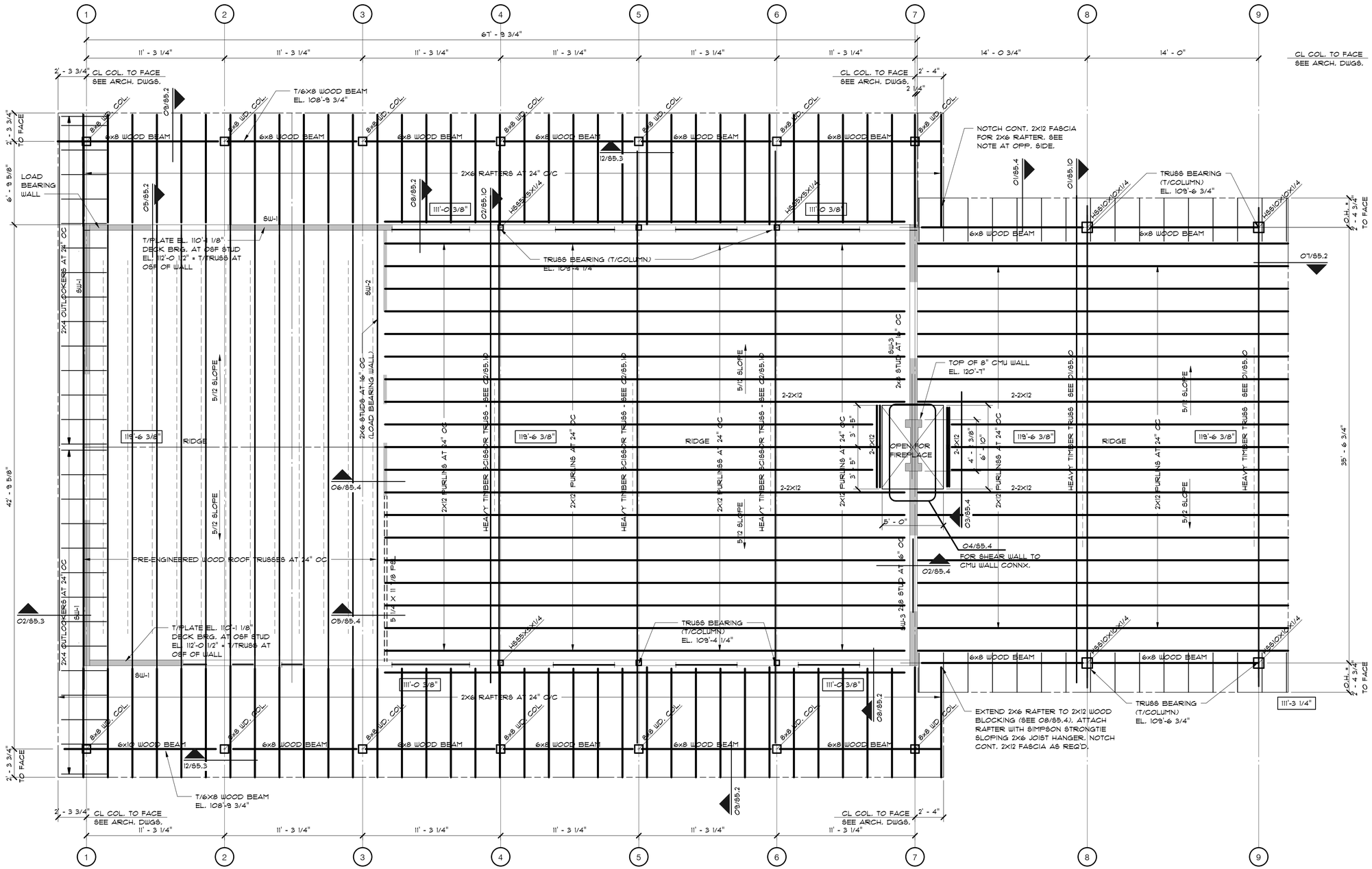
SHEET NUMBER

S3.2

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS



STUDS
NO. OF FULL HEIGHT STUDS
HDU
HOLD DOWN IF PRESENT

JAMB STUD LEGEND FOR HEADER/BEAM
(REFER TO 09 AND 10/S5.3)

WALL LEGEND	
SW-1	SHEAR WALL REFER 09/S5.1 FOR ADDITIONAL INFORMATION (LOAD BEARING WALL)
HDU HDU	INDICATES SIMPSON HOLDOWN REFER TO 10/S5.1
	LOAD BEARING WALL REFER 01/S5.1
	CMU WALL
000'-0"	INDICATES TOP OF PLATE (TRUSS OR RAFTER BEARING EL.)
H	INDICATES WALL HEADER REFER TO 10/S5.3

01 GATHERING LODGE ROOF FRAMING PLAN

1/4" = 1'-0"

PLAN NORTH
W E
S

PLAN NOTES:

1. ELEVATIONS NOTED ON PLAN THUS XXX'-X" ARE TO DECK BEARING ELEVATION AT ROOF.
2. WOOD ROOF DECK TO BE 3/4" PLYWOOD, U.N.O.
3. FOR SHEAR WALLS, REFER TO SHEAR WALL SCHEDULE, DWG. S5.1.
4. FOR HEADERS SHOWN ON PLAN, REFER TO HEADER SCHEDULE, 10/S5.3.
5. D.S. TRUSS = DRAG STRUT TRUSS. CENTER OVER WALL BELOW. DESIGN TRUSS FOR HORIZ. LOAD OF 300 PLF.

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB GLICK · 90560 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE:	April 3, 2024
DESIGNED BY:	GL
DRAWN BY:	GL
REVIEWED BY:	JC

REV	DATE	DESCRIPTION

SHEET TITLE
GATHERING LODGE ROOF FRAMING PLAN

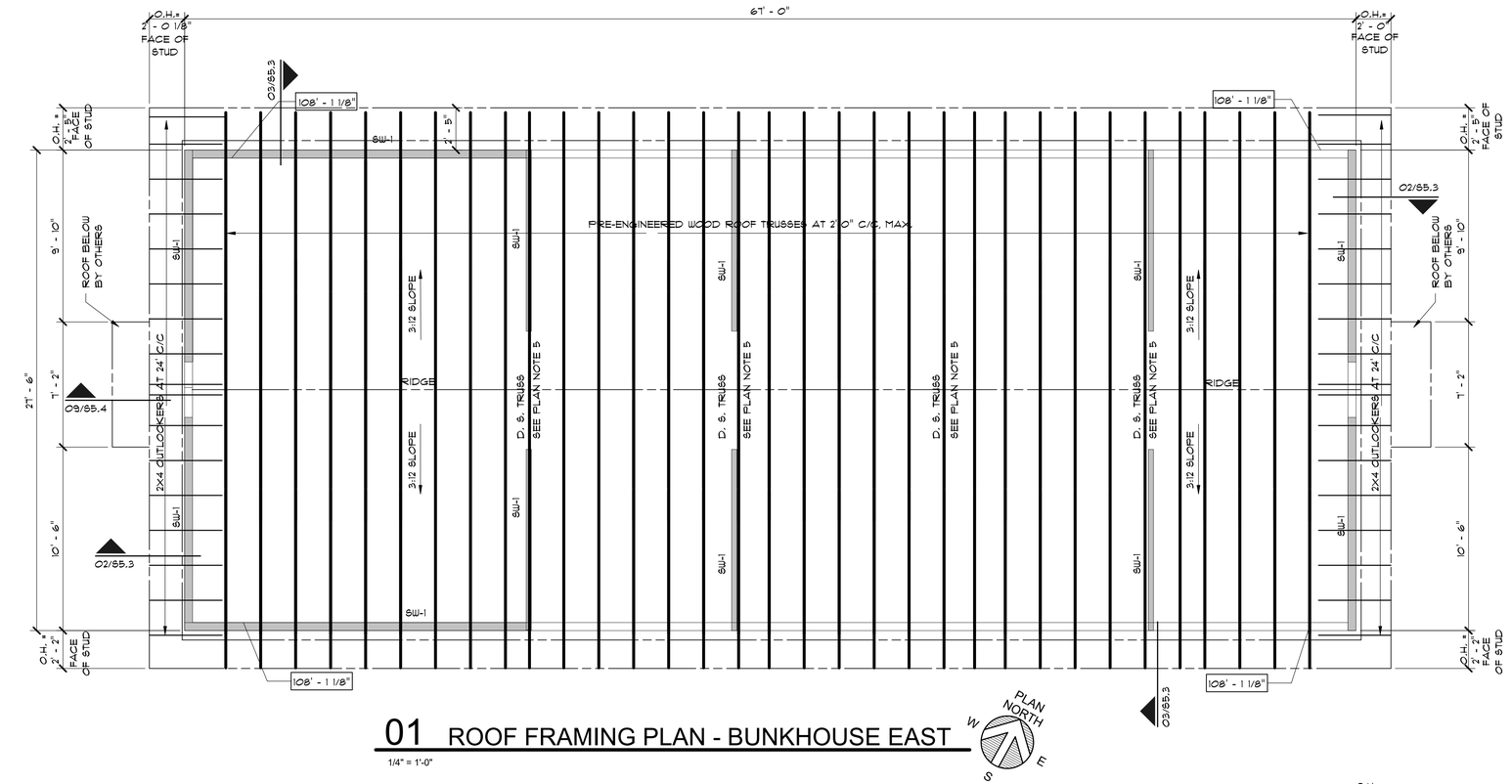
SHEET NUMBER
S4.1

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm DesignGroup

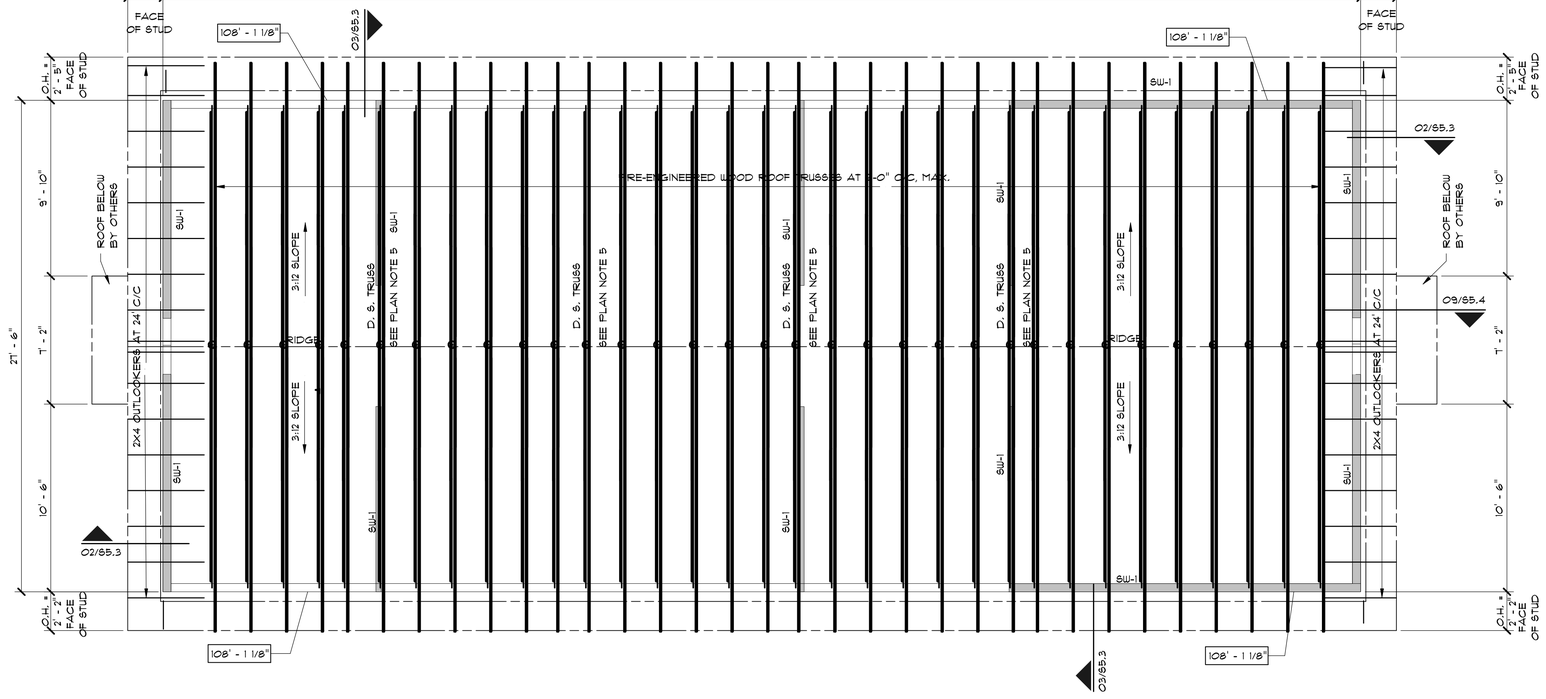
CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/23066-GEWMA-Bunkhouse-R2-R23.rvt



01 ROOF FRAMING PLAN - BUNKHOUSE EAST

1/4" = 1'-0"

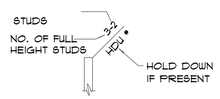


02 ROOF FRAMING PLAN - BUNKHOUSE WEST

1/4" = 1'-0"

PLAN NOTES:

1. ELEVATIONS NOTED ON PLAN THUS XXX'-X" ARE TO DECK BEARING ELEVATION AT ROOF.
2. WOOD ROOF DECK TO BE 3/4" PLYWOOD, U.N.O.
3. FOR SHEAR WALLS, REFER TO SHEAR WALL SCHEDULE, DWG. S5.1.
4. FOR HEADERS SHOWN ON PLAN, REFER TO HEADER SCHEDULE, 10/S5.3.
5. D.S. TRUSS + DRAG STRUT TRUSS. CENTER OVER WALL BELOW. DESIGN TRUSS FOR HORIZ. LOAD OF 300 PLF.



JAMB STUD LEGEND FOR HEADER/BEAM
(REFER TO 09 AND 10/S5.3)

WALL LEGEND

SW-1	SHEAR WALL REFER 09/S5.1 FOR ADDITIONAL INFORMATION (LOAD BEARING WALL)
HDU * HDU *	INDICATES SIMPSON HOLDOWN REFER TO 10/S5.1
	LOAD BEARING WALL REFER 01/S5.1
	CMU WALL
000'-0"	INDICATES TOP OF PLATE (TRUSS OR RAFTER BEARING EL.)
H	INDICATES WALL HEADER REFER TO 10/S5.3

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90350 · REGISTERED · PROFESSIONAL ENGINEER · 04/05/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

REV	DATE	DESCRIPTION

DATE: April 3, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE
BUNKHOUSE ROOF FRAMING PLANS

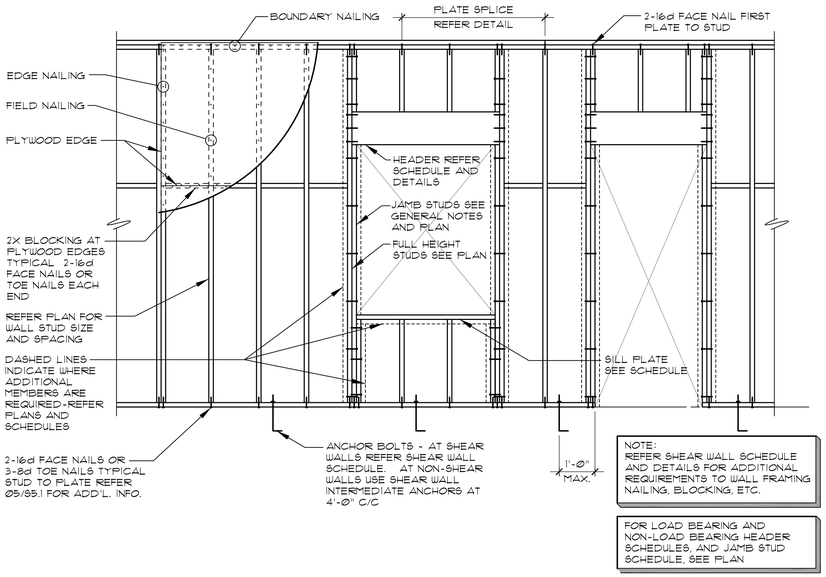
SHEET NUMBER
S4.2

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/23066-GEWMA-Bunkhouse-R2_R23.rvt

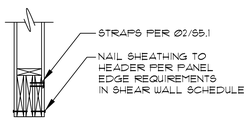


NOTE:
REFER SHEAR WALL SCHEDULE AND DETAILS FOR ADDITIONAL REQUIREMENTS TO WALL FRAMING NAILING, BLOCKING, ETC.

FOR LOAD BEARING AND NON-LOAD BEARING HEADER SCHEDULES, AND JAMB STUD SCHEDULE, SEE PLAN

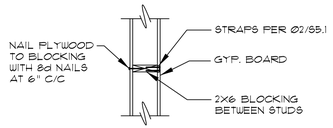
01 TYPICAL EXTERIOR AND INTERIOR BEARING WALL FRAMING

NOT TO SCALE



02A SECTION

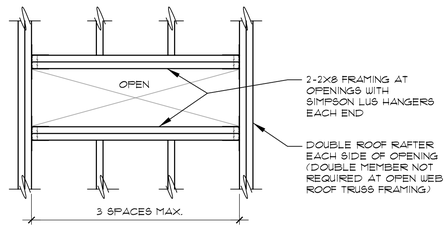
NOT TO SCALE



EXTERIOR WALL

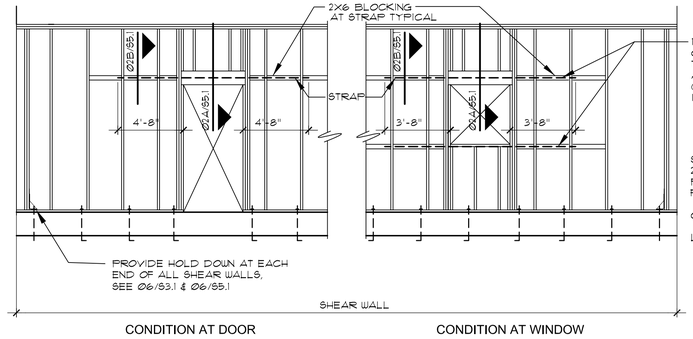
02B SECTION

NOT TO SCALE



03 TYPICAL FRAMING AT ROOF OPENING

NOT TO SCALE

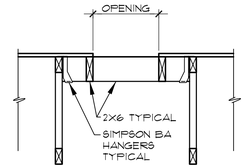


CONDITION AT DOOR

CONDITION AT WINDOW

02 TYPICAL SHEAR WALL OPENINGS

NOT TO SCALE



04 TYPICAL ROOF OPENING

NOT TO SCALE

NAILING SCHEDULE

CONNECTION TYPE	NAILING TYPE	NAILS
FLOOR JOIST TO SILL	TOENAIL	3-8D
FLOOR JOIST TO GIRDER	TOENAIL	3-8D
BRIDGING TO JOIST	TOENAIL EA END	2-8D
SOLE PLATE TO JOIST	FACE NAIL	16D AT 16" C/C
SOLE PLATE TO BLOCKING	FACE NAIL	16D AT 16" C/C
TOP PLATE TO STUD	END NAIL	2-16D
STUD TO SOLE PLATE	TOE NAIL	3-8D
STUD TO SOLE PLATE	END NAIL	2-16D
DOUBLE STUDS	FACE NAIL EA. FACE	2 ROWS 16D AT 16" C/C
TRIPLE STUDS	FACE NAIL EA. FACE	2 ROWS 30D AT 16" C/C
DOUBLE TOP PLATES	FACE NAIL	16D AT 16" C/C
TOP PLATES AT INTERSECTIONS	FACE NAIL	16D AT 16" C/C
CONTINUOUS HEADER (TWO PIECES)	FACE NAIL EA EDGE	16D AT 16" C/C
CONTINUOUS HEADER TO STUD	END NAIL	6-16D
CEILING JOIST TO PLATE	TOE NAIL	3-8D
CEILING JOIST AT LAPS OVER PARTITIONS	FACE NAIL	3-16D
CEILING JOIST TO PARELLEL RAFTERS	FACE NAIL	3-16D
RAFTER TO PLATE	TOE NAIL	3-8D
1" BRACE TO PLATE	FACE NAIL	2-8D
1X8 SHEATHING TO EACH BEARING	FACE NAIL	2-8D
WIDER THAN 1X8 SHEATHING TO EACH BEARING	FACE NAIL	2-8D
BUILT UP CORNER STUDS	FACE NAIL	16D AT 24" C/C
PLYWOOD ROOF & WALL SHEATHING AT EDGES	FACE NAIL	10D GALV. AT 6"
PLYWOOD ROOF & WALL SHEATHING AT INT. SUPPORTS	FACE NAIL	10D GALV. AT 12" C/C

05 NAILING SCHEDULE

NOT TO SCALE

LUMBER PROPERTIES SCHEDULE

SIZE	GRADE	F'b (PSI)	F'v (PSI)	E (PSI)	Fc (PSI)
SOUTHERN PINE					
2X4	NO. 2	1300	180	1,200,000	1650
2X6	NO. 2	1300	180	1,200,000	1600
2X8	NO. 2	1300	180	1,200,000	1550
2X10	NO. 2	1300	180	1,200,000	1500
2X12	NO. 2	1300	180	1,200,000	1450
ENGINEERED WOOD - LVL OR EQUAL					
1.75X9.5		2600	285	1,900,000	2500
1.75X14		2600	285	1,900,000	2500

1. ALL LUMBER TO MEET OR EXCEED THE LUMBER PROPERTY SCHEDULE.

06 LUMBER PROPERTIES SCHEDULE

NOT TO SCALE

LOOSE LINTEL SCHEDULE - ANGLES

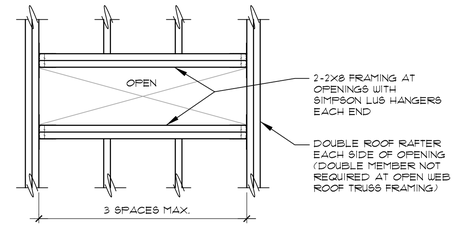
THIS SCHEDULE IS FOR MATERIAL NOT OTHERWISE SHOWN OR NOTED ON DRAWINGS.

SPAN LIMITS	ANGLE SIZE
Ø" TO 4'-Ø"	L 4 X 4 X 1/4"
4'-1" TO 5'-6"	L 4 X 4 X 5/16"
5'-7" TO 7'-6"	L 6 X 4 X 5/16" (LLV)
7'-7" TO 10'-Ø"	L 6 X 4 X 3/8" (LLV)

NOTES:
1. ANGLES EXPOSED TO WEATHER SHALL BE GALVANIZED.
2. MINIMUM BEARING SHALL BE 8" EACH END.

07 LOOSE LINTEL SCHEDULE

NOT TO SCALE



08 TYPICAL FRAMING AT ROOF OPENING

NOT TO SCALE

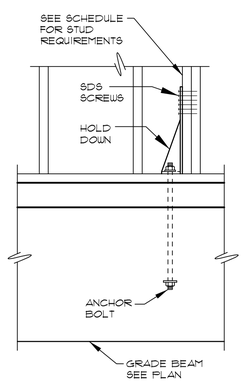
SHEAR/BRACED WALL SCHEDULE

MARK	WALL CONSTR.	TYPE OF MAT'L.	NAILING	HOLD DOWNS	SOLE PLATE	INTERMEDIATE ANCHOR BOLTS
SW1	BLOCKED 2X6 AT 16" C/C	15/32" WALL SHEATHING PER GENERAL NOTES AT OUTSIDE FACE	10d GALV. NAILS SPACED AT 6" C/C AT PANEL EDGE AND 12" C/C AT INTERMEDIATE SUPPORT	1 - HDU5 AT EACH END	2X6	1/2" DIA. X 4 1/2" THRU BOLTS OR ANCHOR BOLTS AT 48" C/C
SW2	BLOCKED 2X6 AT 16" C/C	15/32" WALL SHEATHING PER GENERAL NOTES AT BOTH FACES	10d GALV. NAILS SPACED AT 4" C/C AT PANEL EDGE AND 16" C/C AT INTERMEDIATE SUPPORT	2 - HDU5 AT EACH END	2X6	1/2" DIA. X 4 1/2" THRU BOLTS OR ANCHOR BOLTS AT 48" C/C
SW2	BLOCKED 2X8 AT 16" C/C	15/32" WALL SHEATHING PER GENERAL NOTES AT BOTH FACES	10d GALV. NAILS SPACED AT 4" C/C AT PANEL EDGE AND 16" C/C AT INTERMEDIATE SUPPORT	2 - HDU5 AT EACH END	2X8	1/2" DIA. X 4 1/2" THRU BOLTS OR ANCHOR BOLTS AT 32" C/C

NOTE: PROVIDE BLOCKING AT ALL PLYWOOD EDGES.

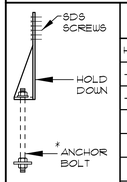
09 SHEAR WALL / BRACED WALL SCHEDULE

NOT TO SCALE



HOLDOWN AT CONCRETE

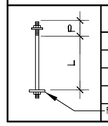
HOLD DOWN SCHEDULE



HOLDOWN	ANCHOR BOLT AT CONCRETE	ANCHOR BOLT AT WOOD FLOOR	NO. OF SDS 1/4"x2 1/2" SCREWS
HDU-5	AB1Ø	5/8"Ø THREADED ROD	14
-	-	-	-
-	-	-	-

1. CONTRACTOR TO PROVIDE NUTS AND WASHERS FOR ANCHOR BOLTS (HARDENED WASHERS)

ANCHOR BOLT SCHEDULE for HOLD DOWNS



MARK	DIA.	P = PROJECTION	L
AB1Ø	5/8"	5"	SEE NOTE 1
-	-	-	-
-	-	-	-
PLATE 1/2X4X4 TACK WELD TO NUT			

1. ANCHOR BOLTS TO BE 5/8"Ø ANCHORS WITH 12" EMBED OR LENGTH REQ. TO BYPASS FLOOR.
2. CONTRACTOR OPTION TO REQUEST POST INSTALLED

10 TYPICAL SHEAR WALL HOLD-DOWN DETAIL

NOT TO SCALE

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90502 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

REV	DATE	DESCRIPTION

DATE: February 29, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE
TYPICAL FRAMING DETAILS AND SCHEDULES

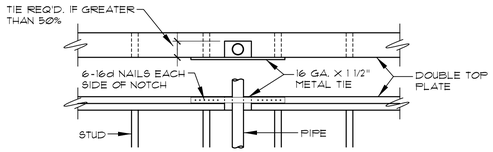
SHEET NUMBER
S5.1

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

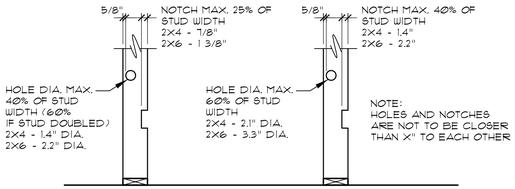
CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

PATH: Autodesk Docs://Gus Engeling WMA/MWM_CE WMA Gathering Lodge_Arch(R23).rvt



TOP PLATES EXTERIOR AND BEARING WALLS

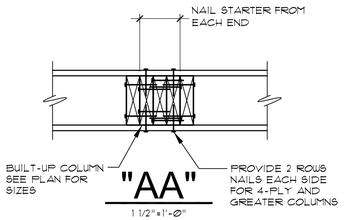


EXTERIOR AND BEARING WALLS NONBEARING WALLS

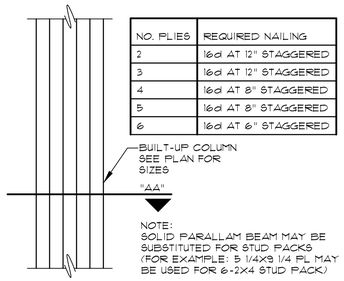
NOTE: STRAPS USED FOR THESE CONDITIONS ARE FOR PROTECTION OF THE PIPES FROM NAIL PUNCTURE. HOLES AND NOTCHES EXCEEDING THESE CONDITIONS REQUIRE STRAPS THAT ARE INTENDED TO REINFORCE THE STUD IF IT IS OVER CUT.

01 TYP. HOLES AND NOTCHES DETAIL

NOT TO SCALE



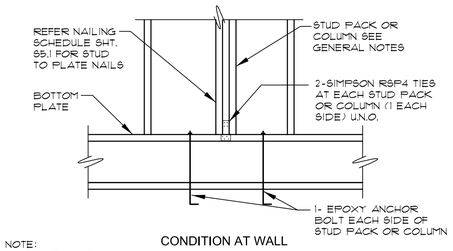
1 1/2"=1'-0"



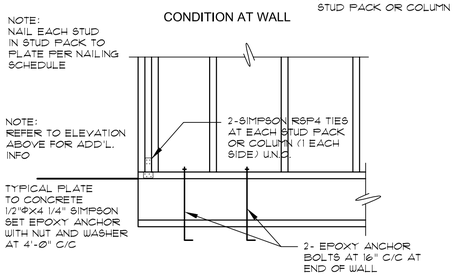
NO. PLIES	REQUIRED NAILING
2	16d AT 12" STAGGERED
3	16d AT 12" STAGGERED
4	16d AT 8" STAGGERED
5	16d AT 8" STAGGERED
6	16d AT 6" STAGGERED

02 TYPICAL STUD PACK DETAIL

NOT TO SCALE



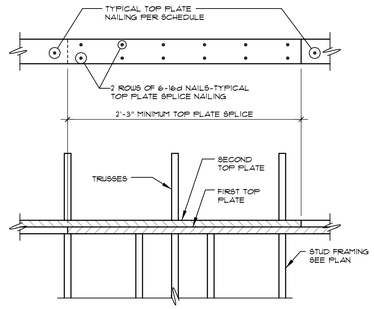
CONDITION AT WALL



CONDITION AT WALL END

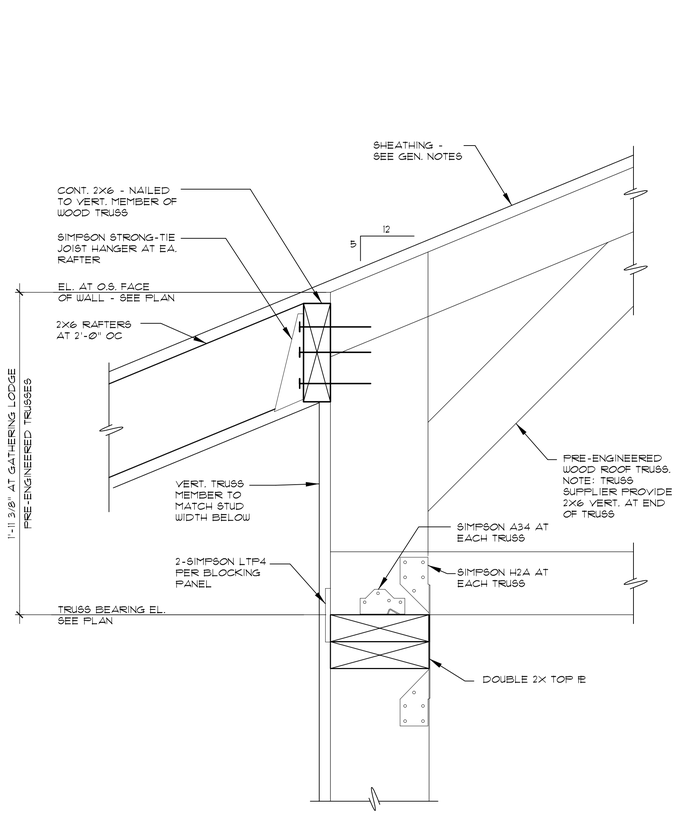
03 TYP. STUD PACK/COL. TO PLATE

3/4"=1'-0"



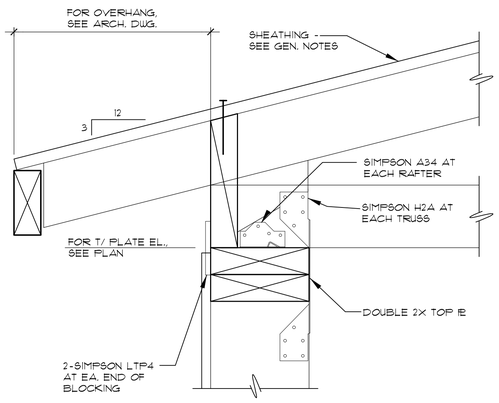
04 TYPICAL TOP PLATE SPLICE

NOT TO SCALE



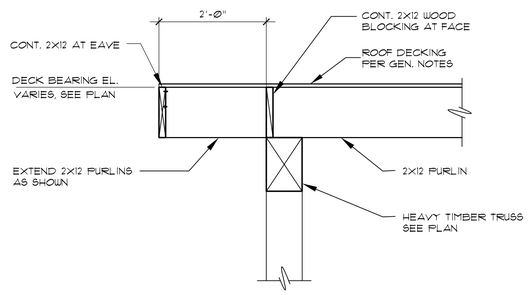
05 DETAIL AT DEEP SEAT TRUSS BEARING

3"=1'-0"



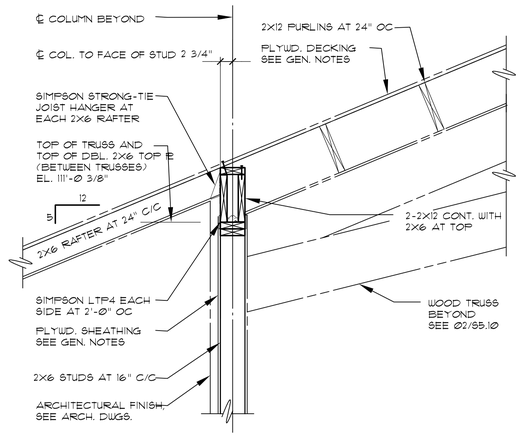
06 DETAIL AT STANDARD TRUSS BEARING

3"=1'-0"



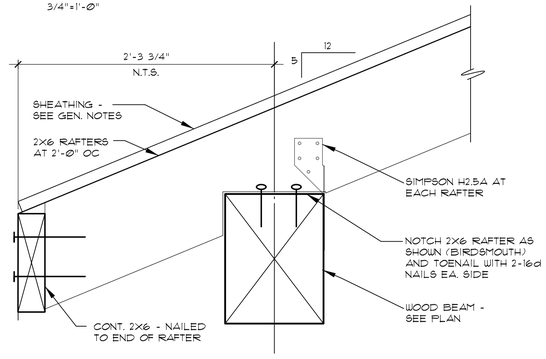
07 SECTION

3/4"=1'-0"



08 SECTION

3/4"=1'-0"



09 SECTION

3"=1'-0"

TX FIRM NO. 1452

STATE OF TEXAS JOHN JACOB CLICK 90502 REGISTERED 04/03/2024

TEXAS PARKS & WILDLIFE

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

DATE: February 29, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

REV	DATE	DESCRIPTION

SHEET TITLE

TYPICAL FRAMING SECTIONS AND DETAILS

SHEET NUMBER

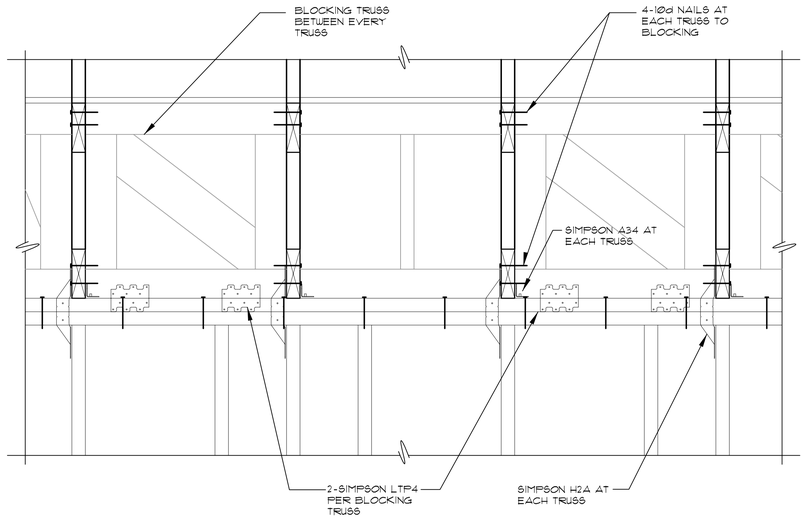
S5.2

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

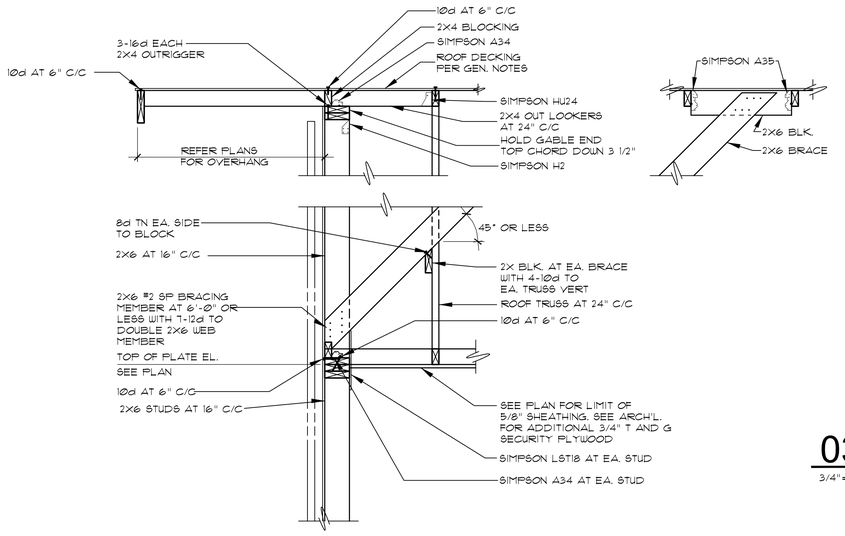
CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/MWM_CE WMA Gathering Lodge_Arch(R23).rvt



01 ELEVATION

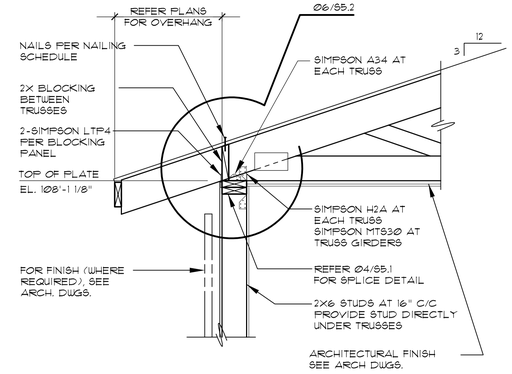
3/4"=1'-0"



TYPICAL ENDWALL AT TRUSS

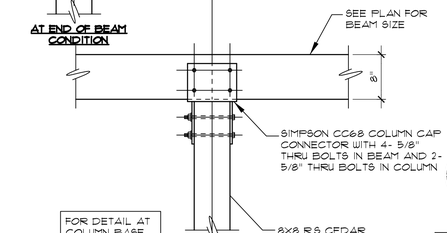
02 SECTION

3/4"=1'-0"



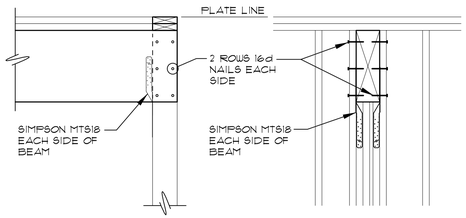
03 SECTION AT BUNKHOUSE OVERHANG

3/4"=1'-0"



07 TYPICAL BACKING FRAMING

NOT TO SCALE



04 TYPICAL HEADER TO CONT. STUD PACK

NOT TO SCALE

05 TYPICAL BEAM BEARING ON WALL

NOT TO SCALE

06 ADD'L. STRAPPING AT DEEP HEADER

NOT TO SCALE

09 TYPICAL HEADER SUPPORT

NOT TO SCALE

10 TYPICAL HEADER DETAIL

NOT TO SCALE

JAMB STUD SCHEDULE

OPENING WIDTH	INTERIOR		EXTERIOR 6"		EXTERIOR 8"	
	FULL HT. STUD	JAMB STUD	FULL HT. STUD	JAMB STUD	FULL HT. STUD	JAMB STUD
UP TO 4'-3"	1-2X6	1-2X6	3-2X6	1-2X6	3-2X8	1-2X8
4'-4" TO 6'-6"	1-2X6	1-2X6	4-2X6	1-2X6	4-2X8	1-2X8
6'-6" TO 10'-3"	2-2X6	2-2X6	4-2X6	2-2X6	5-2X8	2-2X8
10'-4" TO 12'-9"	2-2X6	2-2X6	5-2X6	2-2X6	6-2X8	2-2X8

LOAD BEARING WALL HEADER SCHEDULE

OPENING WIDTH	HEADER 2X4 STUDS	HEADER 2X6 STUDS	SILL PLATE AT WINDOWS
UP TO 4'-Ø"	2-2X6	3-2X6	1-2X
4'-1" TO 6'-Ø"	2-2X6	3-2X6	1-2X
6'-1" TO 8'-Ø"	2-2X12	3-2X12	2-2X
8'-1" TO 10'-Ø"	LVL 3 1/2X 11 1/4	PSL 5 1/4X 11 1/4	3-2X
GREATER THAN 10'-Ø" SEE PLAN FOR HEADER SIZE			

NON-LOAD BEARING WALL HEADER SCHEDULE

OPENING WIDTH	HEADER 2X4 STUDS	HEADER 2X6 STUDS	
UP TO 4'-Ø"	2-2X6	3-2X6	
4'-1" TO 6'-Ø"	2-2X6	3-2X6	
6'-1" TO 8'-Ø"	2-2X12	3-2X12	
8'-1" TO 10'-Ø"	LVL 3 1/2X 11 1/4	PSL 5 1/4X 11 1/4	
GREATER THAN 10'-Ø" SEE PLAN FOR HEADER SIZE			

11 TYPICAL BEAM BEARING ON WALL

NOT TO SCALE

08 TYPICAL WOOD BEAM TO STUD WALL

NOT TO SCALE

12 TYPICAL PORCH BEAM ON R.S. WOOD COLUMN

NOT TO SCALE

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS · JOHN JACOB CLICK · 90502 · REGISTERED · PROFESSIONAL ENGINEER · 04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES

PROJECT NUMBER: 127282

REV	DESCRIPTION	DATE

DATE: February 29, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE

TYPICAL FRAMING SECTIONS AND DETAILS

SHEET NUMBER

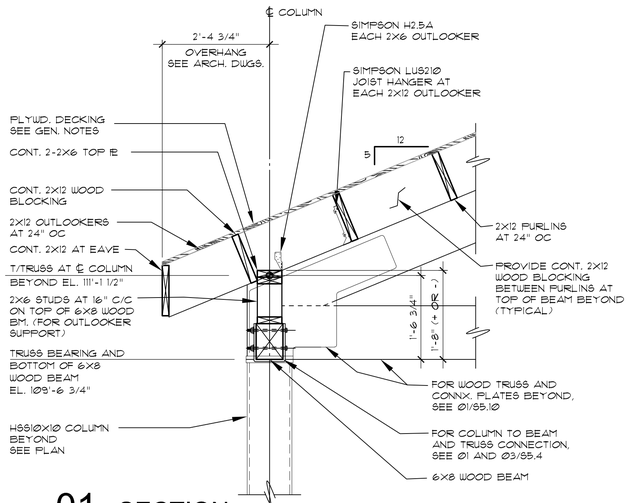
S5.3

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

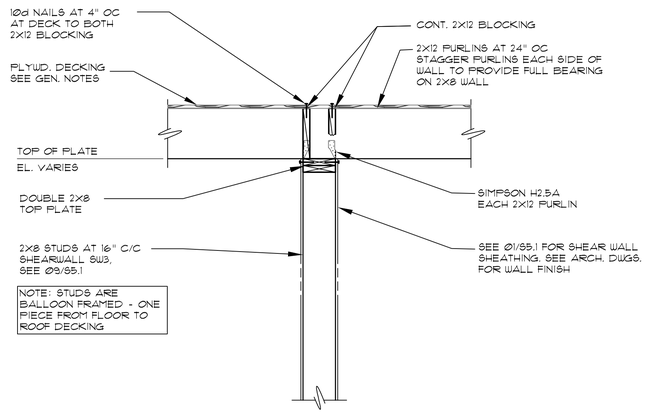
CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/MWM_CE WMA Gathering Lodge_Arch(R23).rvt



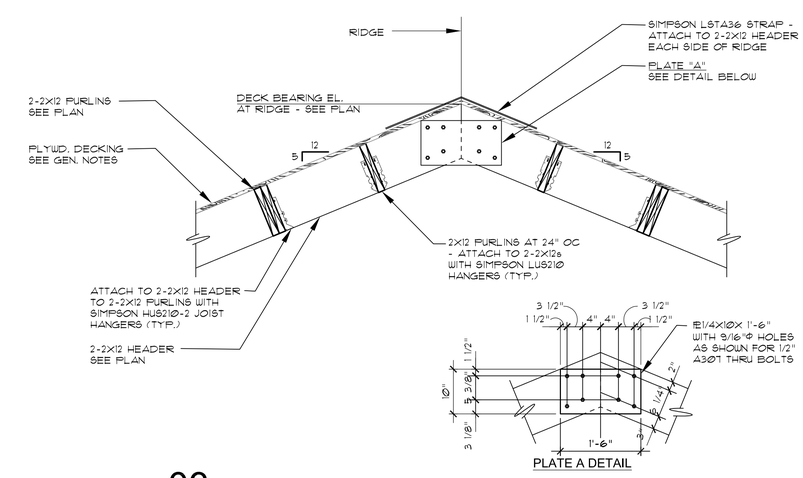
01 SECTION

3/4"=1'-0"



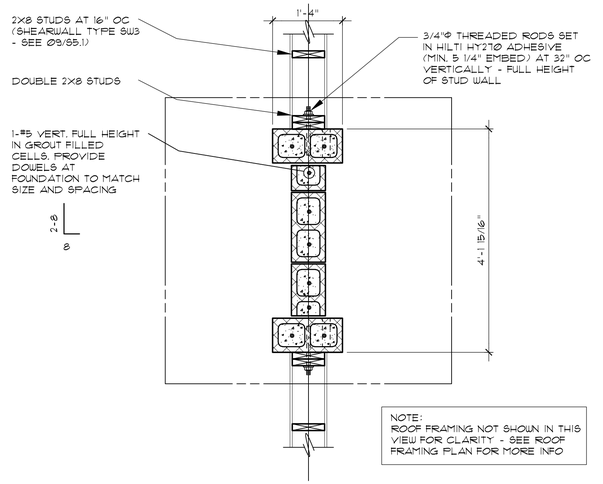
02 SECTION

3/4"=1'-0"



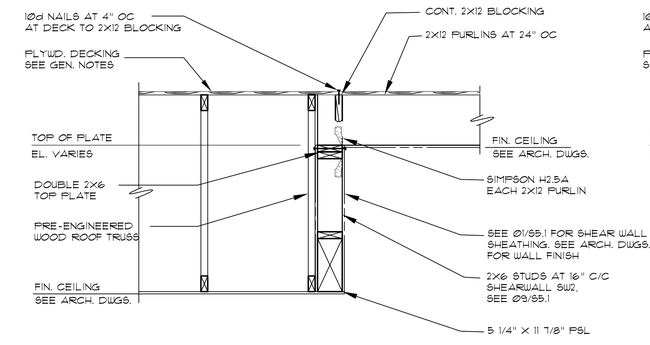
03 SECTION

3/4"=1'-0"



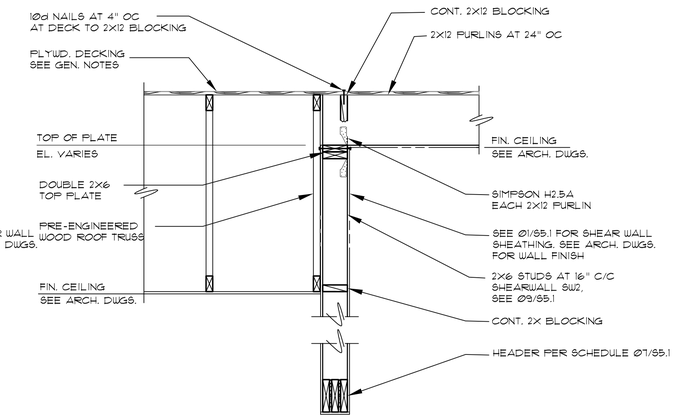
04 PLAN DETAIL

3/4"=1'-0"



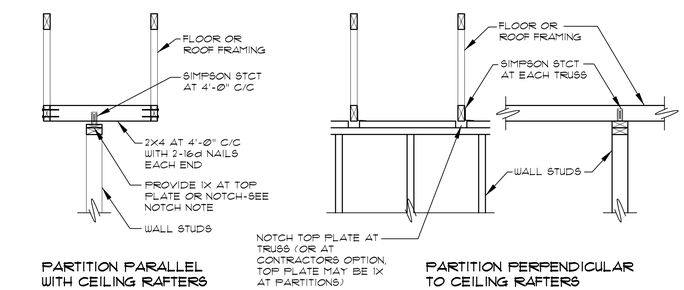
05 SECTION

3/4"=1'-0"



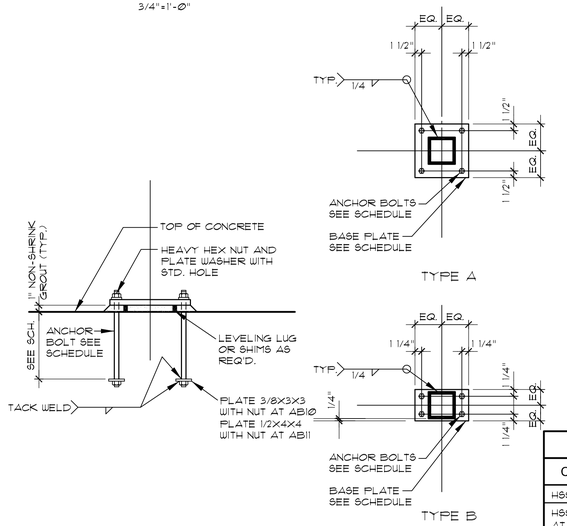
06 SECTION

3/4"=1'-0"



07 TYPICAL NON-LOAD BEARING WALL ATTACHMENT TO FRAMING

N.T.S.



ANCHOR BOLT SCHEDULE				
	MARK	DIA.	P	L
	AB10	3/4"	4 1/2"	16"
	AB11	1"	4 1/2"	18"

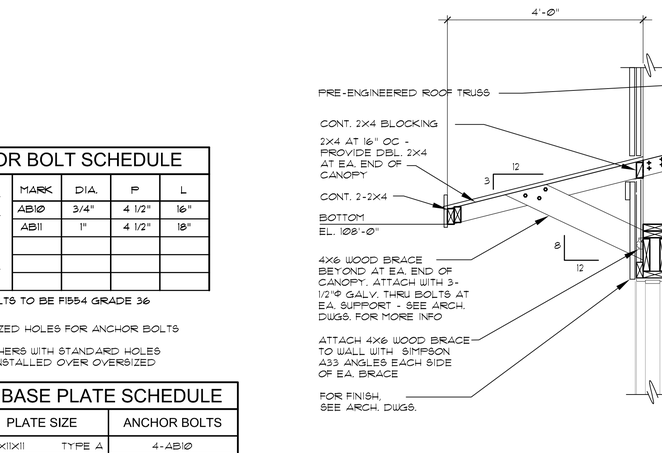
ANCHOR BOLTS TO BE F1554 GRADE 36

NOTES:
1. USE OVERSIZED HOLES FOR ANCHOR BOLTS PER AISC.
2. PLATE WASHERS WITH STANDARD HOLES SHALL BE INSTALLED OVER OVERSIZED HOLES.

TYPICAL BASE PLATE SCHEDULE		
COL. SIZE	PLATE SIZE	ANCHOR BOLTS
HSS 5X5	3/4X11X11 TYPE A	4-AB10
HSS 5X5 AT PERIMETER	1 1/4X 5 1/2 X11 TYPE B	4-AB10
HSS 10X10	1X17X1'-5" TYPE A	4-AB11

08 TYPICAL BASE PLATE DETAILS

N.T.S.



09 SECTION AT BUNKHOUSE CANOPY

3/4"=1'-0"

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

TX FIRM NO. 1452

STATE OF TEXAS
JOHN JACOB CLICK
90350
REGISTERED
04/03/2024

TEXAS PARKS & WILDLIFE

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 127282

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION

DATE: February 29, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE

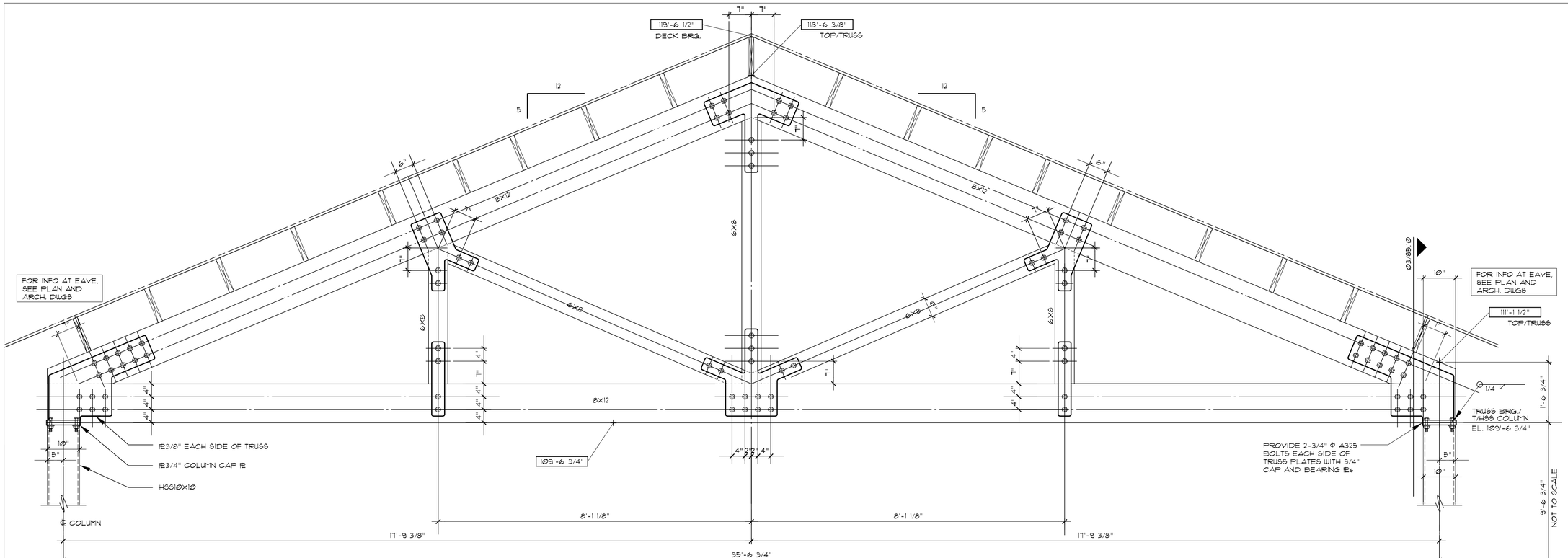
FRAMING SECTIONS AND DETAILS

SHEET NUMBER

S5.4

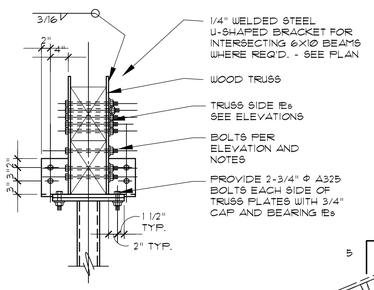
mwm Design Group

PATH: Autodesk Docs://Gus Engeling WMA/WMA_GE WMA Gathering Lodge_Arch(R23).rvt



01 TYPICAL PORCH TRUSS DETAIL

3/4" = 1'-0"



03 SECTION

3/4"=1'-0"

TRUSS NOTES:

1. ALL PLATES ARE 3/8" PLASMA CUT STEEL. ALL CORNERS SHALL BE RADIUSED, MINIMUM RADIUS IS 1/2".
2. EDGE DISTANCE AT ALL BOLTS IN STEEL IS 2".
3. DISTANCE FROM BOLTS TO EDGE OF WOOD
   END OF BEAM - 7"
   EDGE DISTANCE - 4"
4. ALL BOLTS ARE 1" DIA. A307 THRU BOLTS WITH LOCKWASHERS AND HEAVY HEX NUTS.
5. UNLESS NOTED OTHERWISE, CENTER-TO-CENTER OF BOLTS IS 4".
6. ALL PLATES SHALL BE PRIMED AND PAINTED AFTER LIGHT GRINDING OF ALL EDGES TO REMOVE BURRS FROM CUTTING. FINISH SHALL BE PER ARCH. REQUIREMENTS. FIELD TOUCH-UP AS NECESSARY.
7. PROVIDE PLATES SHOWN AT EACH SIDE OF ALL TRUSSES, TYPICAL UNO
8. WOOD FOR ALL HEAVY TIMBER WOOD TRUSSES TO BE NO. 1 DENSE GRADE (OR BETTER) SOUTHERN YELLOW PINE. REFER TO ARCH. DWGS. FOR FINAL FINISH OF ALL WOOD MEMBERS.

02 TYPICAL SCISSOR TRUSS DETAIL

3/4" = 1'-0"

CLICK ENGINEERING
2218 BRYAN STREET
SUITE 150
DALLAS, TEXAS 75201
P: 214.871.2302
TEXAS REG. NO. F-10142
CLICK JOB NO. 23-066

mwm Design Group

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

STATE OF TEXAS
JOHN JACOB CLICK
90550
REGISTERED
04/03/2024

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES

PROJECT NUMBER: 127282

REV	DESCRIPTION	DATE

DATE: February 29, 2024
DESIGNED BY: GL
DRAWN BY: GL
REVIEWED BY: JC

SHEET TITLE

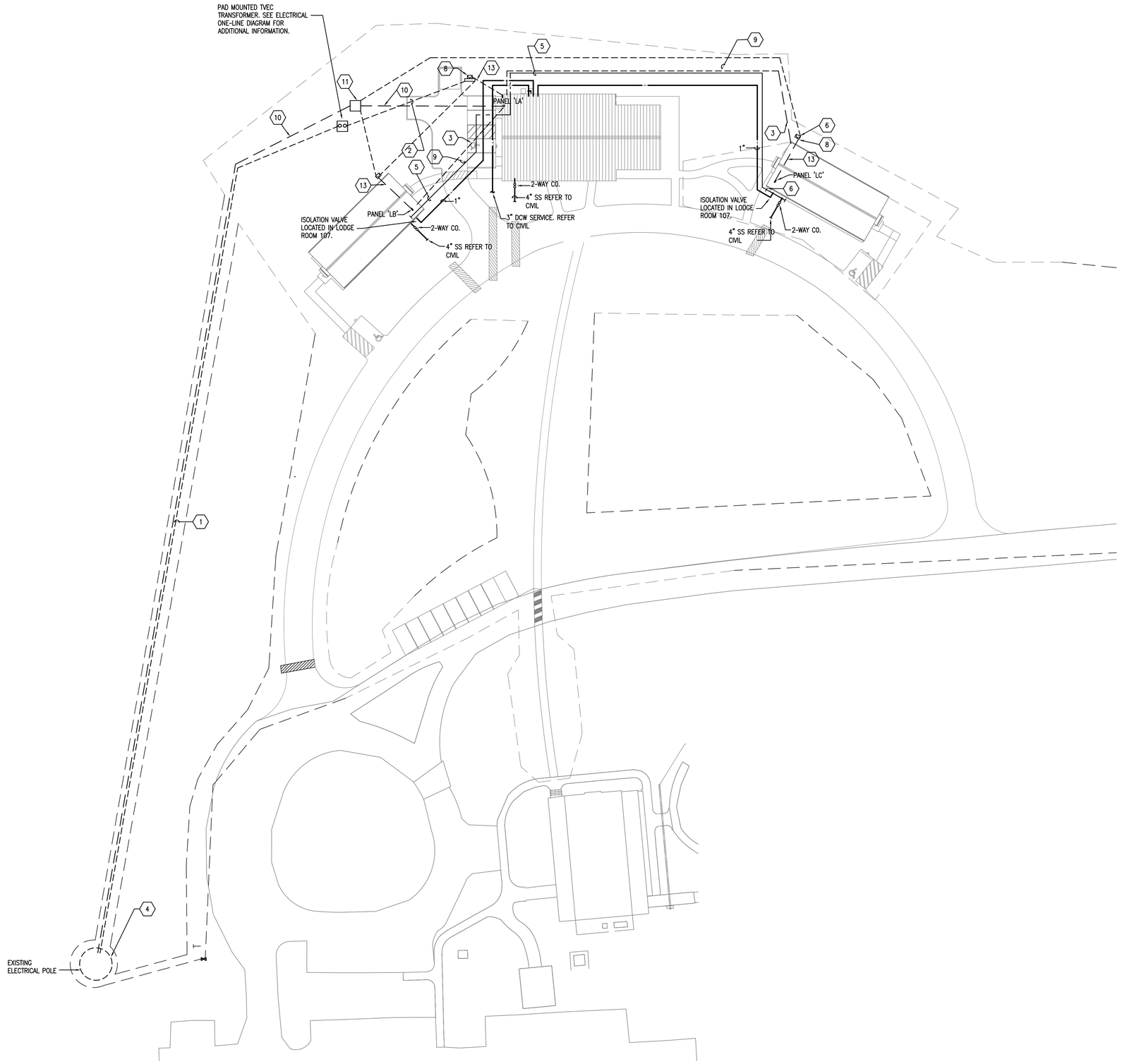
TRUSS ELEVATIONS

SHEET NUMBER

S5.10

CD DOCUMENT 95% CONSTRUCTION DOCUMENTS

PATH: Autodesk Docs://Gus Engeling WMA/MWM_CE WMA Gathering Lodge_Arch(R23).rvt



01 SITE PLAN - MEP

SCALE: 1/32" = 1'-0"

GENERAL NOTES

A. COORDINATE ELECTRIC UTILITY REQUIREMENTS WITH UTILITY COMPANY.

B. COORDINATE EXACT TRANSFORMER LOCATION AND CLEARANCES. POUR PAD PER UTILITY REQUIREMENTS.

C. COORDINATE PRIMARY, INCLUDING CONDUITS SIZE & ROUTE PATH WITH UTILITY & CIVIL ENGINEER.

D. COORDINATE TELEPHONE SERVICE REQUIREMENTS WITH COMMUNICATION VENDOR.

E. COORDINATE CABLE TV SERVICE REQUIREMENTS WITH VENDOR.

F. REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATION.

G. REFER TO SHEET E7.01 & P7.02 FOR SYMBOL LEGEND.

KEY NOTES

NOTE: REFERENCE NUMBER INSIDE HEXAGON

1. PRIMARY UNDERGROUND SERVICE LATERAL BY TRINITY VALLEY ELECTRIC COOPERATIVE (TVEC). E.C. TO PROVIDE TRENCHING, 4" SCHEDULE 90 PVC AND BACKFILLING PER TVEC REQUIREMENTS. COORDINATE EXACT ROUTING WITH TPWD AND TVEC.
2. ELECTRICAL UNDERGROUND SECONDARY SERVICE LATERAL FROM TVEC PAD MOUNTED TRANSFORMER TO MAIN BUILDING WIREWAY. PROVIDE CONDUIT AND CABLE AS PER ELECTRICAL ONE-LINE DIAGRAM.
3. 2" CONDUIT, WITH PULL CORD, FOR FIRE ALARM WIRING TO MAIN FACP.
4. EXISTING POWER COMPANY POWER POLES AND EXISTING SERVICE.
5. ROUTE 1" CONDUIT FROM BUNKHOUSE FIRE ALARM PANELS TO MAIN BUILDING FIRE ALARM PANEL.
6. MTS- STATE "BASE BID INCLUDES ELECTRICAL AND FIRE ALARM SERVICES. TO THIS POINT AND CAPPING FOR FUTURE USE ON EAST BUNKHOUSE".
7. WIREWAY AS INDICATED ON ELECTRICAL ONE-LINE DIAGRAM. MOUNT TO SIDE OF BUILDING.
8. BUILDING SERVICE DISCONNECT SWITCH MOUNTED ON UNI-STRUT RACK AND LOCATED WITHIN UTILITY YARD FENCE. SEE ELECTRICAL ONE-LINE DIAGRAM.
9. ELECTRICAL UNDERGROUND SERVICE LATERAL FROM WIREWAY MOUNTED AT MAIN BUILDING UNI-STRUT RACK. PROVIDE CONDUIT AND CABLE AS PER ELECTRICAL ONE-LINE DIAGRAM.
10. PROVIDE UNDERGROUND 2-INCH SCHEDULE 80 PVC WITH PULL CORD FOR FUTURE DATA SERVICE CABLE.
11. PROVIDE 24 INCH BY 36 INCH BY 48 INCH DEEP PULL BOX FOR FUTURE DATA SERVICE. PROVIDE LID WITH "DATA" INSCRIBED.
12. STUB UP INTO BUILDING AT WALL MOUNTED TELEPHONE TERMINAL BOARD.
13. UNDERGROUND SERVICE LATERAL FROM UNI-STRUT MOUNTED SERVICE DISCONNECT TO PANELBOARD INDICATED. REVER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.

DBR
5000 Quorum Drive, Suite 400
Dallas, Texas 75254
214.217.9500 p 214.217.9595 f
TBPE Firm Registration No. 2234

DBR Project Number 16895

ST	MD	BL	MR

TEXAS PARKS & WILDLIFE

TX FIRM NO. 1452

MIKE L. ASHCRAFT 98580 LICENSED PROFESSIONAL ENGINEER

04/03/24

GUS ENGELING WMA
GATHERING LODGE & BUNKHOUSES
PROJECT NUMBER: 1211534

REV	DATE	DESCRIPTION

DATE: 04/03/2024
DESIGNED BY: BL
DRAWN BY: GF
REVIEWED BY: MA

SHEET TITLE

SITE PLAN - MEP

SHEET NUMBER

MEP1.00

mwm Design Group

100% CONSTRUCTION DOCUMENTS

PATH: C:\Users\mdavid\Documents\Revit\R23_DBR_GUS_ENGLING_WMA_MEP_mdavid3KXP8.rvt