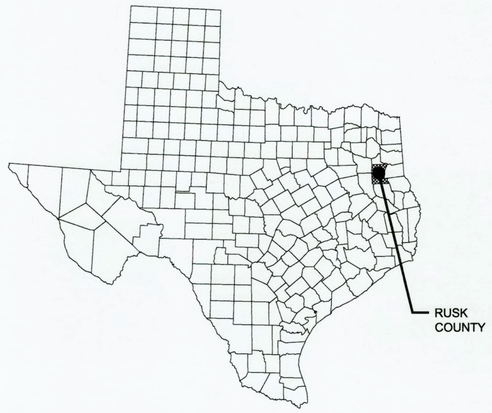


COUNTY LOCATION MAP

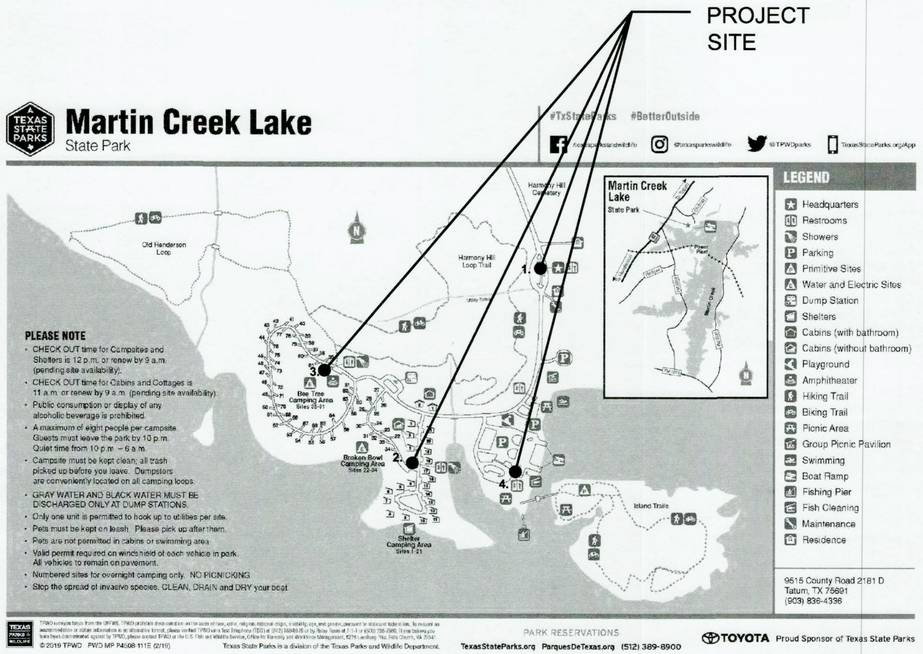
NOT TO SCALE

NORTH

VICINITY MAP

NOT TO SCALE

NORTH



1. HEADQUARTERS
2. BROKEN BOWL RESTROOM
3. BEE TREE RESTROOM
4. BOATRAMP COMFORT STATION

TRUE NORTH PLAN NORTH

SITE LOCATION MAP

NOT TO SCALE

PROJECT

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS

PROJECT NO: 1210375 DATE: MAY 30, 2019

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
-	COVER SHEET
A0	ABBREVIATIONS, NOTES AND SUBMITTALS
A1.1	HEADQUARTERS ROOF PLAN & PHOTOS
A1.2	BROKEN BOWL RESTROOM ROOF PLAN & PHOTOS
A1.3	BEE TREE RESTROOM ROOF PLAN & PHOTOS
A1.4	BOAT RAMP COMFORT ROOF PLAN & PHOTOS
A2	DETAILS

BUILDING CODE SUMMARY

A. INTERNATIONAL CODE COUNCIL ADOPTIONS*
1. BUILDING CODE — INTERNATIONAL BUILDING CODE 2015
2. STRUCTURAL CODE — INTERNATIONAL BUILDING CODE 2015
3. PLUMBING CODE — INTERNATIONAL PLUMBING CODE 2015
4. MECHANICAL CODE — INTERNATIONAL MECHANICAL CODE 2015
5. GAS CODE — INTERNATIONAL FUEL GAS CODE 2015
6. RESIDENTIAL CODE — INTERNATIONAL RESIDENTIAL CODE 2015
7. EXISTING BUILDINGS — INTERNATIONAL EXISTING BUILDINGS CODE 2015

- International Fire Code omitted in lieu of TPWD's implementation of National Fire Protection Association codes. International Energy Conservation Code 2015 omitted in lieu of Energy Standard for Buildings, ASHRAE/IESNA Standard 90.1 (2013).

B. NATIONAL FIRE PROTECTION ASSOCIATION
1. ELECTRIC CODE — NATIONAL ELECTRICAL CODE NFPA-70 2017
2. FIRE CODE — NFPA - 1 2015
3. LIFE SAFETY CODE — NFPA - 101 2015

C. STATE ENERGY CONSERVATION OFFICE (SECO)/TEXAS COMPTROLLERS OFFICE
1. ENERGY CODES FOR STATE BUILDINGS - See Energy Conservation Design Standards: Texas Administrative Code, Title 34, Part 1,Ch.19, Subchapter C
   a. COMPLIANCE WITH THE ENERGY CONSERVATION DESIGN STANDARD OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE) /ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA), ENERGY STANDARD FOR BUILDINGS, ASHRAE/IESNA STANDARD 90.1 (2013)
   See SECO website for State Funded Buildings, New Construction and Major Renovation Requirements and SECO Compliance Certification Forms
2. WATER CONSERVATION STANDARDS FOR STATE BUILDINGS - Energy Conservation Design Standards: Texas Administrative Code, Title 34, Part 1,Ch.19, Subchapter C
   a. COMPLIANCE WITH THE WATER CONSERVATION DESIGN STANDARDS FOR STATE BUILDINGS AND INSTITUTIONS OF HIGHER EDUCATION FACILITIES, STATE ENERGY CONSERVATION OFFICE (SECO), 2016
   See SECO website for Texas Water Conservation Design Standards, Requirements and SECO Compliance Certification / Reporting Form

D. ACCESSIBILITY CODES
1. US DEPT. OF JUSTICE, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES; OUTDOOR DEVELOPED AREAS, NOVEMBER 25, 2013
3. 2012 TEXAS ACCESSIBILITY STANDARDS, ELIMINATION OF ARCHITECTURAL BARRIERS, TEXAS GOVERNMENT CODE, CHAPTER 469

E. PLAYGROUND SAFETY CODE
1. ASTM F1487-17, STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATIONS FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE
2. ASTM F2223-15, STANDARD GUIDE FOR ASTM STANDARDS ON PLAYGROUND SURFACING

TPWD TEAM

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CONSTRUCTION MANAGER
TBD
Texas Parks & Wildlife

DESIGN TEAM

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PDG Architects
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SCOPE OF WORK

CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, TOOLS, MATERIALS, AND INCIDENTALS NECESSARY TO REMOVE THE EXISTING ROOF TO EXISTING DECK, MAKE REPAIRS TO EXISTING DECK AS NEEDED, AND INSTALL NEW ROOF ON THE HEADQUARTERS, BROKEN BOWL RESTROOM, BEE TREE RESTROOM, AND BOAT RAMP COMFORT STATION BUILDINGS AT MARTIN CREEK LAKE STATE PARK.

TEXAS PARKS & WILDLIFE

TEXAS PARKS AND WILDLIFE

INFRASTRUCTURE DIVISION

4200 SMITH SCHOOL ROAD · AUSTIN, TEXAS 78744-3292

RELEASED FOR SOLICITATION

PROJECT MANAGER, INFRASTRUCTURE DIVISION — DATE 6/5/2019

DESIGN BRANCH MANAGER, INFRASTRUCTURE DIVISION — DATE 6/7/19

REGISTERED ARCHITECT — JOE W. MARTIN — 09601 — STATE OF TEXAS

05/30/19

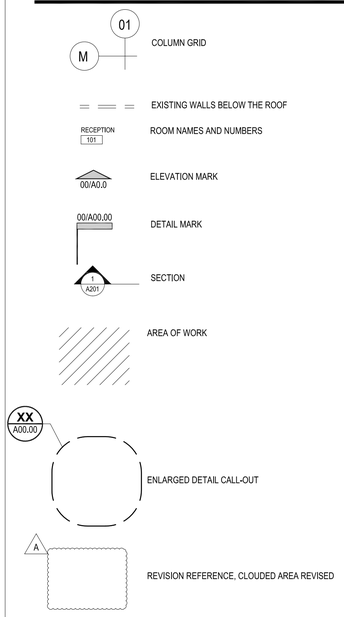
Path:

PERCENTAGE: 100% CONSTRUCTION DOCUMENT

ABBREVIATIONS

ACOUST	ACOUSTICAL
AFF	ABOVE FINISHED FLOOR
ADD	ADDITION
ADJ	ADJUSTABLE
A/C	AIR CONDITIONING
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
APPVD	APPROVED
ARCH	ARCHITECT
AVE	AVENUE
BD	BOARD
BETW	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM, OR BENCH MARK
BOT	BOTTOM
BRZ	BRONZE
BSMT	BASEMENT
C TO C	CENTER TO CENTER
CAB	CABINET
CER	CERAMIC
CJ	CONSTRUCTION JOINT/ CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CLOS	CLOSET
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTD	CONTINUED
CONTR	CONTRACTOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CTR	CENTER
CW	COLD WATER
DBL	DOUBLE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DEMO	DEMOLITION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
DWR	DRAWER
EA	EACH
ELEV	ELEVATION
ELEC	ELECTRICAL
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	AND SO FORTH
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXTG	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FED	FEDERAL
FF	FINISHED FLOOR
FV	FIELD VERIFY
FHC	FIRE HOSE CABINET
FL	FLOW LINE
FLR	FLOOR
FPRF	FIREPROOF
FR	FRAME
FTG	FOOTING
FURR	FURRING
FW	FIRE WALL
FXTR	FIXTURE
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFM	GOVERNMENT FURNISHED MATERIAL
GL	GLASS
GOVT	GOVERNMENT
GRL	GRILLE
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GC	GENERAL CONTRACTOR
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HTR	HEATER
HWD	HARDWOOD
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
ID	INSIDE DIAMETER
INSUL	INSULATION
INTR	INTERIOR
JAN	JANITOR
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LB	POUND
LBL	LABEL
LWT	LIGHTWEIGHT
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MBR	MEMBER
MC	MEDICINE CABINET
MECH	MECHANICAL
MEP	MECH/ELEC/PLMB
MFR	MANUFACTURER
MGR	MANAGER
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
MLDG	MOULDING
MO	MASONRY OPENING
MSNRY	MASONRY
MTD	MOUNTED
MTL	METAL
MUL	MULLION
MW	MICROWAVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OVHD	OVERHEAD
OZ	OUNCE
PART	PARTIAL
PART BD	PARTICLE BOARD
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PR	PAIR
PROP	PROPERTY
PSI	POUNDS PER SQ IN
PTD	PAINTED
RA	RETURN AIR
RAD	RADIUS
RAG	RETURN AIR GRILL
RE	REFER
REC	RECESSED
RECEPT	RECEPTACLE
RECT	RECTANGULAR
RELOC	RELOCATED
REQD	REQUIRED
REP	REPRESENTATIVE
RESIL	RESILIENT
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RTN	RETURN
SC	SOLID CORE
SCHED	SCHEDULE
SECT	SECTION
SEQ	SEQUENCE
SF	SQUARE FEET
SGL	SINGLE
SH	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
TECH	TECHNICAL
TELE	TELEPHONE
THK	THICK (NESS)
THRU	THROUGH
TYP	TYPICAL
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VENT	VENTILATE
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VET	VINYL ENHANCED TILE
VOL	VOLUME
VWC	VINYL WALLCOVERING
WD	WOOD
WH	WATER HEATER
WHSE	WAREHOUSE
WP	WATERPROOF
W/	WITH
W/O	WITHOUT
WT	WEIGHT
YD	YARD

DRAWING SYMBOL LEGEND



GENERAL DEMOLITION NOTES

1. ANY ITEM WHICH IS DESIGNATED TO REMAIN AND IS LOST OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. PROMPTLY REPAIR ADJACENT SURFACES DAMAGED BY DEMOLITION OPERATIONS.
3. REMOVE DEMOLISHED MATERIALS AND DEBRIS FROM THE SITE IN A MANNER APPROVED BY THE PROJECT MANAGER. TRANSPORT AND LEGALLY DISPOSE OFF MATERIALS AT AN APPROVED OFF SITE LOCATION.
4. UPON COMPLETION OF DEMOLITION WORK, REMOVE TOOLS, EQUIPMENT AND MATERIALS FROM SITE. REMOVE PROTECTIONS AND LEAVE SITE CLEAN.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. RECYCLING OF DEMOLITION WASTE IN A LEGAL MANNER IS HIGHLY ENCOURAGED.

EXISTING CONDITIONS

1. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, SLOPES, AREAS, AND CONDITIONS. DIMENSIONS AND AREAS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
2. DRAWINGS IN THIS SET ARE NOT TO BE CONSIDERED MEASURED DRAWINGS OF AS-CONSTRUCTED CONDITIONS.
3. FIELD MEASUREMENTS WILL BE REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL OBTAIN ALL FIELD MEASUREMENTS AS NECESSARY TO FABRICATE ITEMS OF WORK AND TO COMPLETE THE WORK DEPICTED IN THE CONSTRUCTION DOCUMENTS.
4. IF CONDITIONS ARE ENCOUNTERED WHICH DIFFER FROM CONDITIONS SHOWN OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, TO INCLUDE BUT NOT BE LIMITED TO DETERIORATED MATERIALS, OR DIFFERENT CONCEALED MATERIALS, CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND SHALL NOT PROCEED WITH ADDITIONAL WORK WITHOUT WRITTEN AUTHORIZATION.

EXISTING MATERIALS NOTES

1. EXISTING ROOFS ARE COMPOSITION SHINGLE ON PLYWOOD DECK
2. EXISTING FLASHING MATERIALS ARE GALVANIZED METAL.
3. EXISTING WALL CLADDING IS PAINTED WOOD SIDING.
4. EXISTING TRIM IS PAINTED 1X WOOD.

PROPOSED MATERIALS NOTES

1. NEW ROOFING MATERIAL SHALL BE CONCEALED FASTENER METAL PANELS, CF PANELS AS MANUFACTURED BY MUELLER IN BURNISHED SLATE COLOR, OR PRE-APPROVED EQUAL.
2. UNDERLAYMENT SHALL BE SYNTHETIC AS APPROVED BY THE METAL PANEL MANUFACTURER. INSTALL ICE AND WATER BARRIER AT HIPS, RIDGES, ROOF PENETRATIONS, AND OTHER HIGH RISK AREAS AS REQUIRED AND APPROVED BY THE METAL PANEL MANUFACTURER.
3. NEW FLASHING SHALL BE PRE-FINISHED METAL TO MATCH ROOFING PANELS.
4. NEW ROOFING TO BE BE CAPABLE OF RESISTING WIND SPEED OF 105 Vmph (RISK CATEGORY II).
5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SUBMITTALS TABLE

REQUIRED SUBMITTALS **PRIOR** TO INSTALLATION

MATERIAL/ PRODUCT	MANUF'S PRODUCT INFO	INSTALLATION INSTRUCTIONS	SAFETY DATA SHEETS	SAMPLE	LEGIBLE PHOTO OF THE MATERIAL	SHOP DRAWINGS	MANUF'S SAMPLE WARRANTY	OTHER /NOTES
PLYWOOD DECKING	●		●					
UNDERLAYMENT	●	●	●					
FASTENERS FOR UNDERLAYMENT	●	●	●					
METAL PANEL	●	●	●	●		●	●	
FASTENERS FOR METAL PANELS	●	●						
FLASHING	●	●				●		
ROOFING ACCESSORIES	●	●		●				
CAULKS	●	●						
ADHESIVES	●	●						
PAINT	●	●		●				

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT
JOSE W. MARTINEZ
09601
STATE OF TEXAS
05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
PROJECT NUMBER: 1210375

DATE: 05-30-2019
DESIGN BY: HF
DRAWN BY: HF
REVIEW BY: RZ
REVISED:
REVISED:
REVISED:

SHEET TITLE
ABBREVIATIONS, NOTES & SUBMITTALS

SHEET NUMBER
A0

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS

SEE CLEARER PHOTOS
IN BID DOCUMENTS

EXISTING ANTENNA TO BE REMOVED AND REINSTALLED. REF. DETAIL 08/A2

CLEAN AND REPAINT ALL FASCIAS BEFORE INSTALLATION OF NEW ROOF

G VIEW AT ANTENNA

PROVIDE NEW 5"X5" GUTTER AND 4"X4" DOWNSPOUT.

PROVIDE NEW 5"X5" GUTTER AND 4"X4" DOWNSPOUT.

F VIEW AT TYPICAL DOWNSPOUT AND GUTTER

PROVIDE NEW METAL EDGE FLASHING AT RAKE.

PROVIDE NEW 5"X5" GUTTER AND 4"X4" DOWNSPOUT.

E VIEW AT DRIVE-UP RAKE AND GUTTER

EXISTING VENT THRU ROOF. EXTEND VENT TO ACHIEVE 10" CLEARANCE FROM BOTTOM OF METAL PANEL PAN AND PROVIDE NEW SLEEVE FLASHING. TYP. REF. DETAIL 07/A2

D EAST VIEW OF HEADQUARTERS

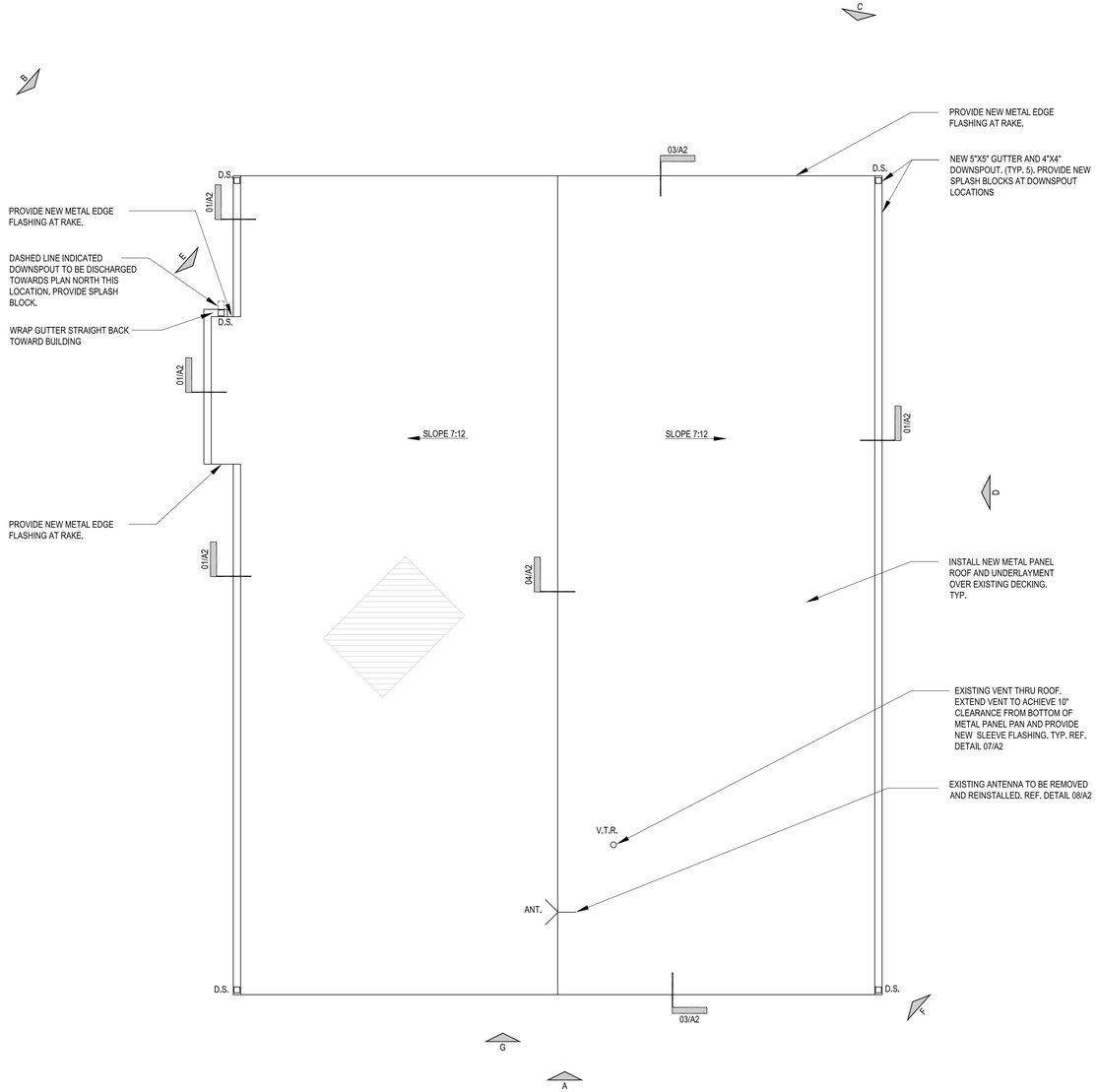
C NORTH VIEW OF HEADQUARTERS

B WEST VIEW OF HEADQUARTERS

A SOUTH VIEW OF HEADQUARTERS

SCALE: N.T.S.

HEADQUARTERS PHOTOS 02



APPROXIMATE ROOF AREAS (SQFT.)	
ROOF NAME	PLAN AREA
METAL PANEL	1,690

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AREAS AND QUANTITIES.
2. ALL PENETRATIONS SHOWN IN APPROXIMATE LOCATION.
3. ALL DETAILS ARE FROM NATIONAL ROOFING CONTRACTOR'S ASSOCIATION.
4. CONTRACTOR TO INSPECT EXISTING SUBSTRATE AND NOTIFY ARCHITECT OF ANY DAMAGE BEFORE PROCEEDING WITH ROOF INSTALLATION.
5. CONTRACTOR TO PROVIDE NEW UNDERLAYMENT AND ROOF PER N.R.C.A. DETAILS AND SPECIFICATIONS
6. SLOPES INDICATED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING SLOPES.

TRUE NORTH PLAN NORTH

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

HEADQUARTERS ROOF PLAN 01

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT JOSE W. MARTINEZ 09601 STATE OF TEXAS
05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
PROJECT NUMBER: 1210375

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REVISED:
REVISED:

SHEET TITLE
HEADQUARTERS ROOF PLAN & PHOTOS

SHEET NUMBER
A1.1

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS

SEE CLEARER PHOTOS
IN BID DOCUMENTS

PROVIDE NEW METAL EDGE FLASHING AT EAVE AND RAKE. TYP.

F VIEW AT TYPICAL EAVE AND RAKE

PROVIDE NEW SIDEWALL FLASHING, REMOVE TRIM AND CUT SIDING AS NECESSARY TO INSTALL COUNTER FLASHING BEHIND SIDING. REF. 06/A2

CLEAN AND REPAINT ALL FASCIAS BEFORE INSTALLATION OF NEW ROOF

E VIEW AT SIDEWALL FLASHING

D EAST VIEW OF BROKEN BOWL RESTROOM

C NORTH VIEW OF BROKEN BOWL RESTROOM

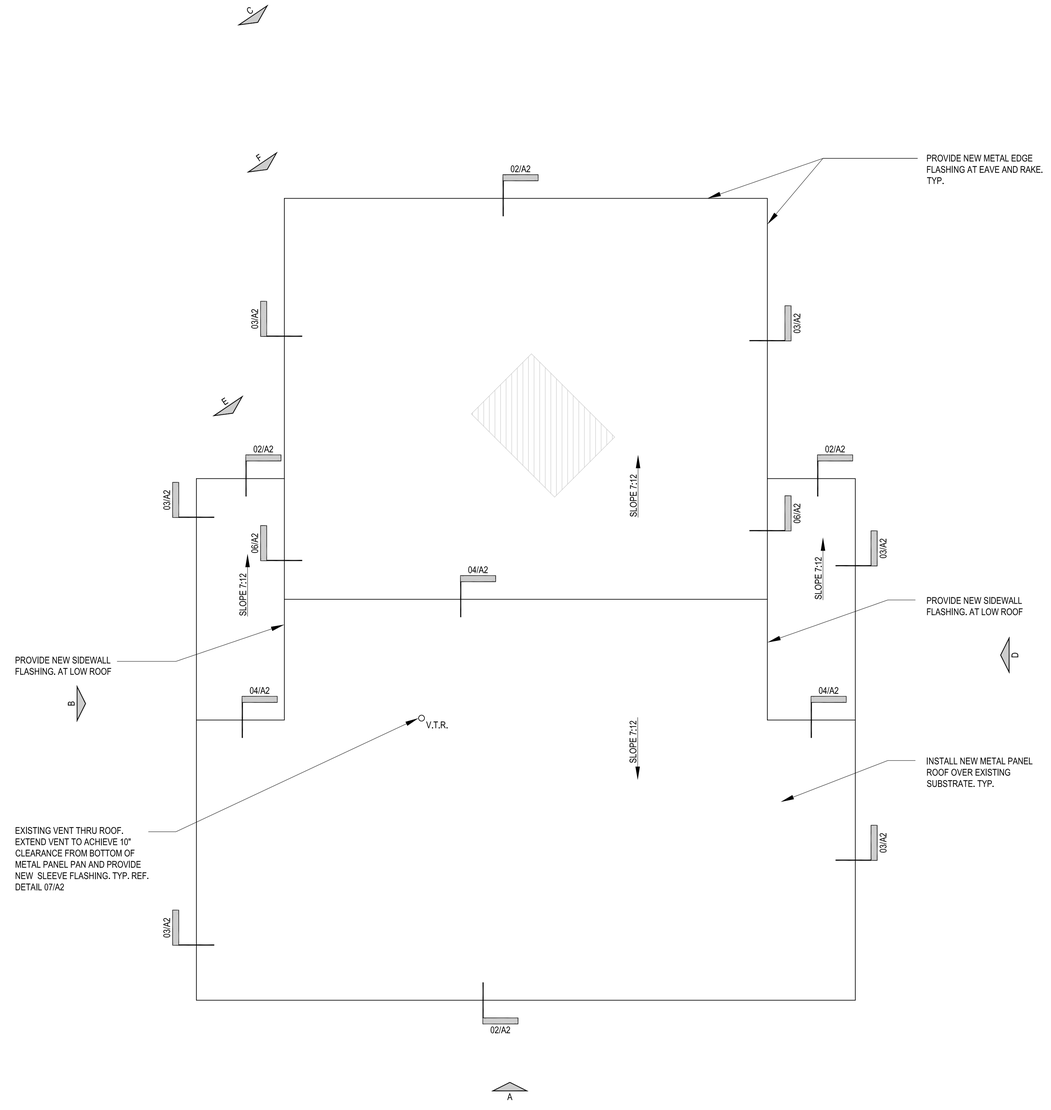
B WEST VIEW OF BROKEN BOWL RESTROOM

EXISTING VENT THRU ROOF. EXTEND VENT TO ACHIEVE 10" CLEARANCE FROM BOTTOM OF METAL PANEL PAN AND PROVIDE NEW SLEEVE FLASHING. TYP. REF. DETAIL 07/A2

A SOUTH VIEW OF BROKEN BOWL RESTROOM

SCALE: N.T.S.

BROKEN BOWL RESTROOM PHOTOS 02



APPROXIMATE ROOF AREAS (SQFT.)	
ROOF NAME	PLAN AREA
METAL PANEL	1,500

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AREAS AND QUANTITIES.
2. ALL PENETRATIONS SHOWN IN APPROXIMATE LOCATION.
3. ALL DETAILS ARE FROM NATIONAL ROOFING CONTRACTOR'S ASSOCIATION.
4. CONTRACTOR TO INSPECT EXISTING SUBSTRATE AND NOTIFY ARCHITECT OF ANY DAMAGE BEFORE PROCEEDING WITH ROOF INSTALLATION.
5. CONTRACTOR TO PROVIDE NEW UNDERLAYMENT AND ROOF PER N.R.C.A. DETAILS AND SPECIFICATIONS
6. SLOPES INDICATED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING SLOPES.

TRUE NORTH PLAN NORTH

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

BROKEN BOWL RESTROOM ROOF PLAN 01

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT JOSE W. MARIN 09601 STATE OF TEXAS
05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
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SHEET TITLE
BROKEN BOWL ROOF PLAN & PHOTOS

SHEET NUMBER
A1.2

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS

SEE CLEARER PHOTOS
IN BID DOCUMENTS

PROVIDE METAL EDGE FLASHING AT EAVE AND RAKE. TYP.

REMOVE ROTTED 1X3 WOOD TRIM. REPLACE WITH 1X3 TREATED WOOD TRIM. PAINT TO MATCH.

F VIEW AT TYPICAL EAVE AND RAKE

PROVIDE NEW SIDEWALL FLASHING. REMOVE TRIM AND CUT SIDING AS NECESSARY TO INSTALL COUNTER FLASHING BEHIND SIDING. REF. 06/A2

E VIEW AT SIDEWALL FLASHING

D EAST VIEW OF BEE TREE RESTROOM

C NORTH VIEW OF BEE TREE RESTROOM

B WEST VIEW OF BEE TREE RESTROOM

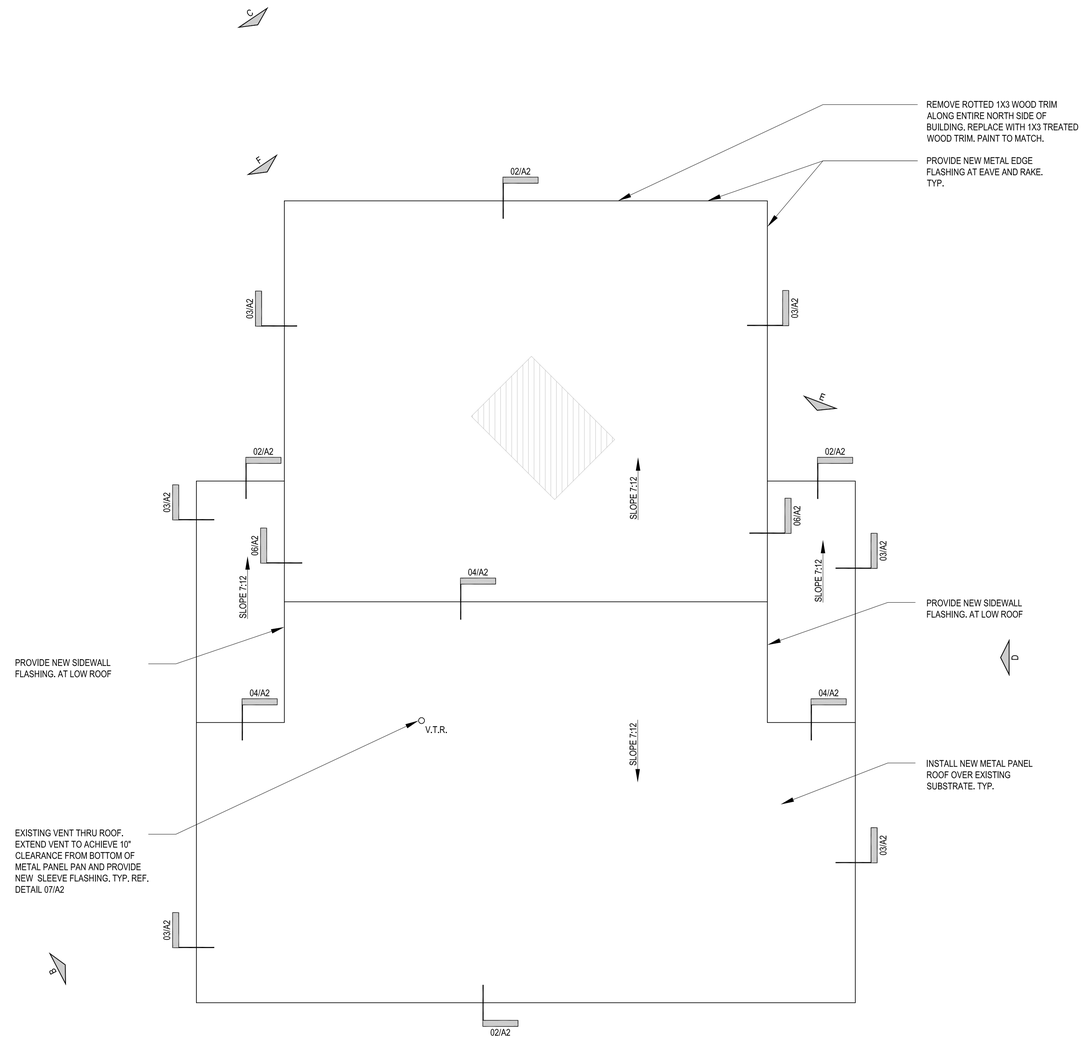
EXISTING VENT THRU ROOF. EXTEND VENT TO ACHIEVE 10" CLEARANCE FROM BOTTOM OF METAL PANEL PAN AND PROVIDE NEW SLEEVE FLASHING. TYP. REF. DETAIL 07/A2

CLEAN AND REPAINT ALL FASCIAS BEFORE INSTALLATION OF NEW ROOF

A SOUTH VIEW OF BEE TREE RESTROOM

SCALE: N.T.S.

BEE TREE RESTROOM PHOTOS 02



APPROXIMATE ROOF AREAS (SQFT.)	
ROOF NAME	PLAN AREA
METAL PANEL	1,500

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AREAS AND QUANTITIES.
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4. CONTRACTOR TO INSPECT EXISTING SUBSTRATE AND NOTIFY ARCHITECT OF ANY DAMAGE BEFORE PROCEEDING WITH ROOF INSTALLATION.
5. CONTRACTOR TO PROVIDE NEW UNDERLAYMENT AND ROOF PER N.R.C.A. DETAILS AND SPECIFICATIONS
6. SLOPES INDICATED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING SLOPES.

TRUE NORTH PLAN NORTH

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

BEE TREE RESTROOM ROOF PLAN 01

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT JOSE W. MARTINEZ 09601 STATE OF TEXAS
05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
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REVISED:
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SHEET TITLE
BEE TREE ROOF PLAN & PHOTOS

SHEET NUMBER
A1.3

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS

SEE CLEARER PHOTOS
IN BID DOCUMENTS

EXISTING VENT THRU ROOF. EXTEND VENT TO ACHIEVE 10" CLEARANCE FROM BOTTOM OF METAL PANEL PAN AND PROVIDE NEW SLEEVE FLASHING. TYP. REF. DETAIL 07/A2

PROVIDE NEW RIDGE VENT.

G VIEW AT RIDGE VENT

PROVIDE NEW METAL EDGE FLASHING AT EAVE AND RAKE. TYP.

CLEAN AND REPAINT ALL FACIAS BEFORE INSTALLATION OF NEW ROOF

F VIEW AT TYPICAL EAVE AND RAKE

PROVIDE NEW SIDEWALL FLASHING. REMOVE TRIM AND CUT SIDING AS NECESSARY TO INSTALL COUNTER FLASHING BEHIND SIDING. REF. 06/A2

NEW 4"X4" GUTTER AND 3"X3" DOWNSPOUT.

E VIEW AT SIDEWALL FLASHING

D EAST VIEW OF BOAT RAMP COMFORT STATION

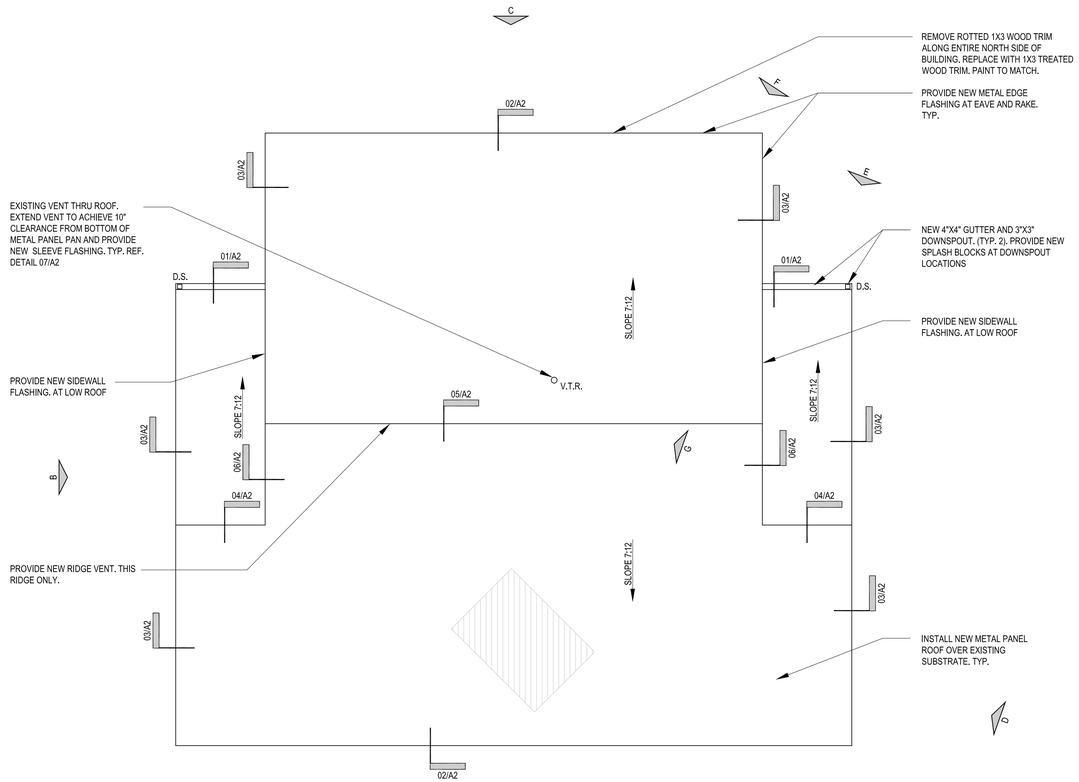
C NORTH VIEW OF BOAT RAMP COMFORT STATION

B WEST VIEW OF BOAT RAMP COMFORT STATION

A SOUTH VIEW OF BOAT RAMP COMFORT STATION

SCALE: N.T.S.

BOAT RAMP COMFORT STATION PHOTOS 02



APPROXIMATE ROOF AREAS (SQFT.)	
ROOF NAME	PLAN AREA
METAL PANEL	1,206

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AREAS AND QUANTITIES.
2. ALL PENETRATIONS SHOWN IN APPROXIMATE LOCATION.
3. ALL DETAILS ARE FROM NATIONAL ROOFING CONTRACTOR'S ASSOCIATION.
4. CONTRACTOR TO INSPECT EXISTING SUBSTRATE AND NOTIFY ARCHITECT OF ANY DAMAGE BEFORE PROCEEDING WITH ROOF INSTALLATION.
5. CONTRACTOR TO PROVIDE NEW UNDERLAYMENT AND ROOF PER N.R.C.A. DETAILS AND SPECIFICATIONS
6. SLOPES INDICATED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING SLOPES.

TRUE NORTH

PLAN NORTH

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

BOAT RAMP COMFORT STATION ROOF PLAN 01

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT JOSE W. MARTINEZ 09601 STATE OF TEXAS
05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
PROJECT NUMBER: 1210375

DATE: 05-30-2019
DESIGN BY: HF
DRAWN BY: HF
REVIEW BY: RZ
REVISED:
REVISED:
REVISED:

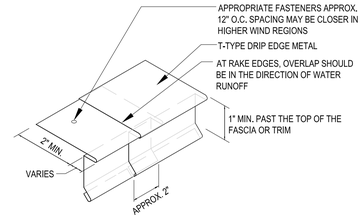
SHEET TITLE
BOAT RAMP ROOF PLAN & PHOTOS

SHEET NUMBER
A1.4

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS

NOTES:

1. DETAILS ARE FROM NATIONAL ROOFING CONTRACTOR'S ASSOCIATION U.N.O.
2. FOLLOW INSTALLATION DETAILS AND GUIDELINES FROM ROOFING PRODUCT MANUFACTURER.
3. IF DETALS DO NOT EXIST FOR A PARTICULAR SITUATION, CONTACT ARCHITECT BEFORE PROCEEDING.



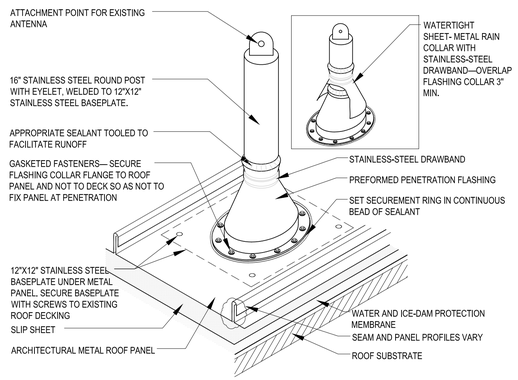
NOTES:
1. REMOVAL OF UNDERLYING METAL HEM MAY HELP FACILITATE PROPER NESTING.
2. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

T-TYPE DRIP EDGE METAL

2018 *NOT DRAWN TO SCALE* **DE-2**

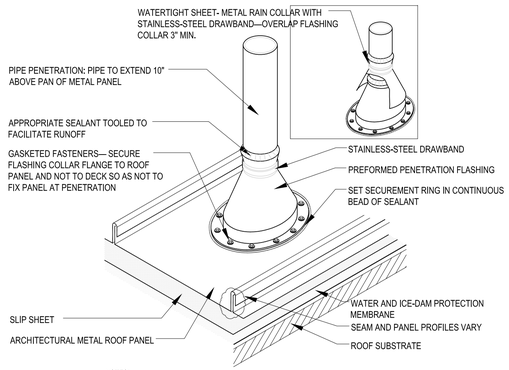
SCALE: N.T.S.

METAL FLASHING AT OVERLAP DETAIL 09



SCALE: N.T.S.

ANTENNA ANCHOR DETAIL 08



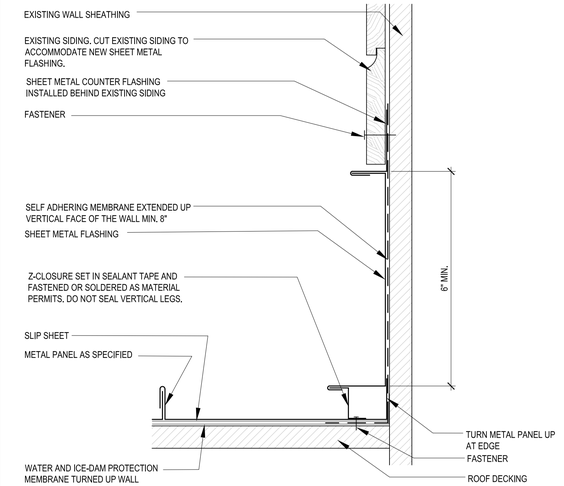
NOTES:
1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
2. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
3. FOR HOT PIPES, SPECIFIC HIGH-TEMPERATURE BOOTS SHOULD BE USED.
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

PIPE PENETRATION FLASHING (MODIFIED)

2016 NOT DRAWN TO SCALE **AM-15**

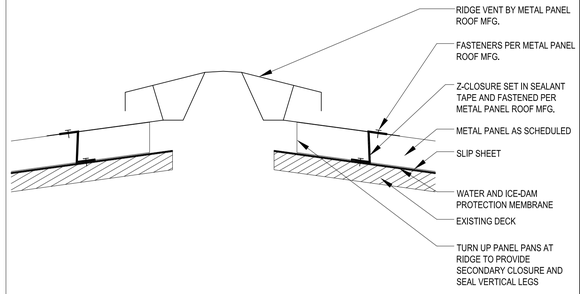
SCALE: N.T.S.

PENETRATION DETAIL 07



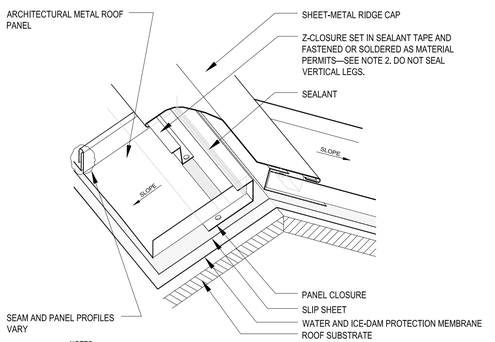
SCALE: N.T.S.

SIDEWALL FLASHING DETAIL 06



SCALE: N.T.S.

VENTED RIDGE DETAIL 05



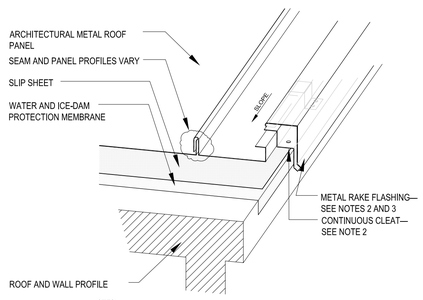
NOTES:
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
2. IF THE Z-CLOSURE IS FASTENED THROUGH THE ROOF DECK, THE PANELS ARE FIXED ALONG THE RIDGE. IF THE Z-CLOSURE IS FASTENED TO THE PANELS WITH POP RIVETS OR SOLDERED, THE PANELS ARE NOT FIXED AT THE RIDGE (I.E., FLOATING).
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

RIDGE CAP FLASHING

2016 NOT DRAWN TO SCALE **AM-6A**

SCALE: N.T.S.

RIDGE DETAIL 04



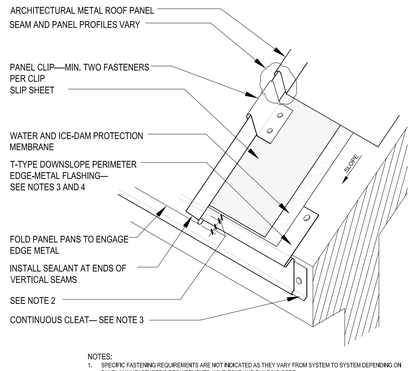
NOTES:
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
2. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS;
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

RAKE EDGE FLASHING

2016 NOT DRAWN TO SCALE **AM-5A**

SCALE: N.T.S.

RAKE DETAIL 03



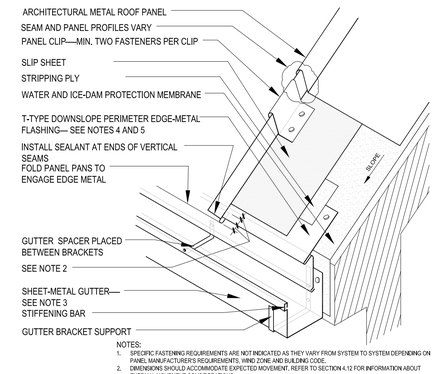
NOTES:
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
2. DIMENSIONS SHOULD ACCOMMODATE EXPECTED MOVEMENT. REFER TO SECTION 4.12 FOR INFORMATION ABOUT THERMAL MOVEMENT CONSIDERATIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS;
4. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

EAVE WITH WATER AND ICE-DAM PROTECTION MEMBRANE

2016 *NOT DRAWN TO SCALE* **AM-1**

SCALE: N.T.S.

EAVE FLASHING 02



NOTES:
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
2. DIMENSIONS SHOULD ACCOMMODATE EXPECTED MOVEMENT. REFER TO SECTION 4.12 FOR INFORMATION ABOUT THERMAL MOVEMENT CONSIDERATIONS.
3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR MORE INFORMATION ABOUT GUTTERS.
4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS;
5. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

EAVE WITH GUTTER AND WATER AND ICE-DAM PROTECTION MEMBRANE

2016 NOT DRAWN TO SCALE **AM-3**

SCALE: N.T.S.

GUTTER DETAIL 01

TEXAS PARKS & WILDLIFE

REGISTERED ARCHITECT — JOSE W. MARTINEZ — 09601 — STATE OF TEXAS

05/30/19

PDG ARCHITECTS

MARTIN CREEK LAKE STATE PARK

ROOF REPLACEMENTS
PROJECT NUMBER: 1210375

DATE: 05-30-2019
DESIGN BY: HF
DRAWN BY: HF
REVIEW BY: RZ
REVISED:
REVISED:
REVISED:

SHEET TITLE
ROOF DETAILS

SHEET NUMBER
A2

PERCENTAGE: 100% CONSTRUCTION DOCUMENTS