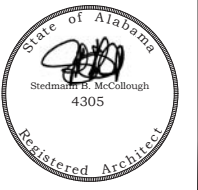


# MEDICAL ARTS RENOVATION FOR ORANGE BEACH

BID DOCUMENTS - AUGUST 22, 2022



**MCCOLLOUGH  
ARCHITECTURE, INC.**  
P.O. BOX 6310  
GULF SHORES, ALABAMA  
36547-6310  
PHONE: 251-968-7222



A NEW RENOVATION  
FOR  
ORANGE BEACH MEDICAL ARTS  
HIGHWAY 161  
ORANGE BEACH, ALABAMA

GENERAL NOTES:	
1.	ALL PRODUCTS, MATERIALS, AND CONSTRUCTION SHALL BE PROVIDED AND/OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS, GUIDELINES, AND/OR INDUSTRY STANDARDS.
2.	THE INTENT OF THESE DRAWINGS IS TO PROVIDE THE BUILDER WITH GENERAL GUIDELINES FOR THE SOUND CONSTRUCTION OF THE STRUCTURE INDICATED WITHIN. DEVIATIONS FROM THESE DRAWINGS ARE THE BUILDERS RISK UNLESS APPROVED IN WRITING OR WITH SUPPLEMENTAL DRAWINGS FROM THE ARCHITECT.
3.	CONTRACTOR TO SECURE AND PAY FOR ALL NECESSARY FEES AND PERMITS FOR CONSTRUCTION, ELECTRICAL, AND PLUMBING INSPECTORS, ETC.
4.	DO NOT SCALE DRAWINGS!!! DIMENSIONS OR LINEAR MEASUREMENTS TAKE PRECEDENCE OVER NOTED DIMENSIONS.
5.	THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INDICATED WITHIN THESE DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY VARIATION PRIOR TO THE PURCHASING OF ANY MATERIALS, STARTING FABRICATION, OR BEGINNING CONSTRUCTION
6.	PROVIDE TEMPORARY SETTLING BASINS, HAY BALES, AND OTHER METHODS AS APPROPRIATE TO FILTER WATER AT ALL AREAS WHERE STORM WATER LEAVES THE PROJECT. CLEAN UP ALL SOIL WHICH FLOWS OFF SITE AT THE END OF THE DAY.
7.	ALL EXISTING SITE CONDITIONS ARE TO BE VERIFIED BY CONTRACTOR BEFORE START OF CONSTRUCTION.
8.	NO QUALIFYING STATEMENTS OR EXCEPTIONS TO PLANS OR NOTES TO BE ALLOWED.
9.	ALL WORK RELATED DEBRIS SHALL BE REMOVED FROM THE SITE REGULARLY AND PROPERLY.
10.	THE CONTRACTOR SHALL LEAVE ALL AREAS AND FINISHED SPACES IN A CLEAN AND ACCEPTABLE CONDITION AT THE PROJECT COMPLETION.
11.	ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY w/ OSHA REQUIREMENTS.
12.	ALL NEW CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND RESTRICTIVE ORDINANCES FOR CONSTRUCTION, ELECTRICAL, PLUMBING, AND MECHANICAL.

DRAWING INDEX	
SHEET NO.	SHEET TITLE
T1.0	TITLE SHEET & GENERAL NOTES
ARCHITECTURAL	
D0.0	BASE BID
A0.1	DEMOLITION ROOF PLAN
A0.2	ROOF PLAN
A0.3	EXTERIOR ELEVATIONS
A0.4	SINGLE-PLY DETAILS
A0.5	SINGLE-PLY DETAILS
A0.6	HIGH ROOF DETAILS
ALTERNATE 1	
D1.0	DEMOLITION ROOF PLAN
A1.1	ROOF PLAN
A1.2	LOW ROOF DETAILS

APPLICABLE BUILDING CODES	
LOCAL OFFICIAL HAVING JURISDICTION IS ORANGE BEACH, ALABAMA	
2018	INTERNATIONAL BUILDING CODE
2018	INTERNATIONAL FUEL GAS CODE
2018	INTERNATIONAL MECHANICAL CODE
2018	INTERNATIONAL PLUMBING CODE
2018	INTERNATIONAL FIRE CODE
2017	NATIONAL ELECTRICAL CODE

DESIGN TEAM
MCCOLLOUGH ARCHITECTURE, INC. 4790 Main Street, Suite F-209 Orange Beach, Alabama ARCHITECT: Sted McCollough, AIA (251)968-7222 stedm@mcarchit.com

SCOPE OF WORK
<b>BASE BID</b>
IN GENERAL THE BASE BID WORK FOR THIS ORANGE BEACH MEDICAL ARTS BUILDING CONSISTS OF REPLACEMENT OF THE EXISTING ROOFS, RECLADDING AND THE ADDITION OF NEW DECORATIVE ELEMENTS. THE EXISTING LOW ROOFS ARE TRAPEZOIDAL METAL PANEL ROOFS AND SHALL BE REMOVED AND REPLACED WITH A RETROFIT PVC ROOF. THE EXISTING HIGH ROOF IS A STANDING SEAM METAL PANEL ROOF AND SHALL BE REMOVED AND REPLACED WITH NEW LIKE IN KIND. DO.0, AO.1 & AO.2 SHOW THE WORK TO BE PERFORMED. AO.3, AO.4, AO.5 & AO.6 ARE INCLUDED TO AID THE CONTRACTOR WITH MANUFACTURER DRAWINGS.
<b>ALTERNATE 1</b>
IN GENERAL THE ALTERNATE 1 WORK FOR THIS ORANGE BEACH MEDICAL ARTS BUILDING PERTAINS TO ONLY THE LOW ROOFS, BACKS AND TOPS OF PARAPETS. INSTEAD OF THE PVC ROOF THE LOW ROOF IS TO RECEIVE TRAPEZOIDAL METAL ROOF THAT IS TO MATCH EXISTING LIKE IN KIND. D1.0 & A1.1 SHOW THE WORK TO BE PERFORMED. A1.2 IS INCLUDED TO AID THE CONTRACTOR WITH MANUFACTURER DRAWINGS.

JOB NO.:	
DRAWN:	CLT
CHECKED:	SBM
DATE:	2022.08.22
REVISION:	

SCALE: NA

SHEET NO.:

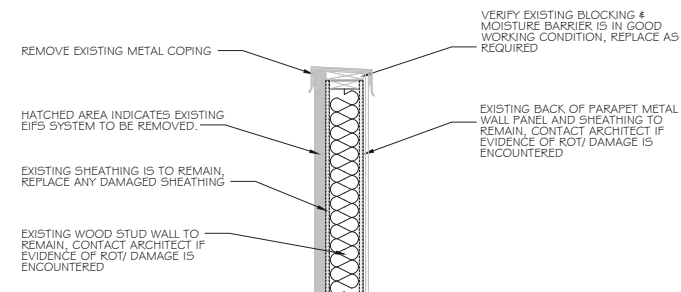
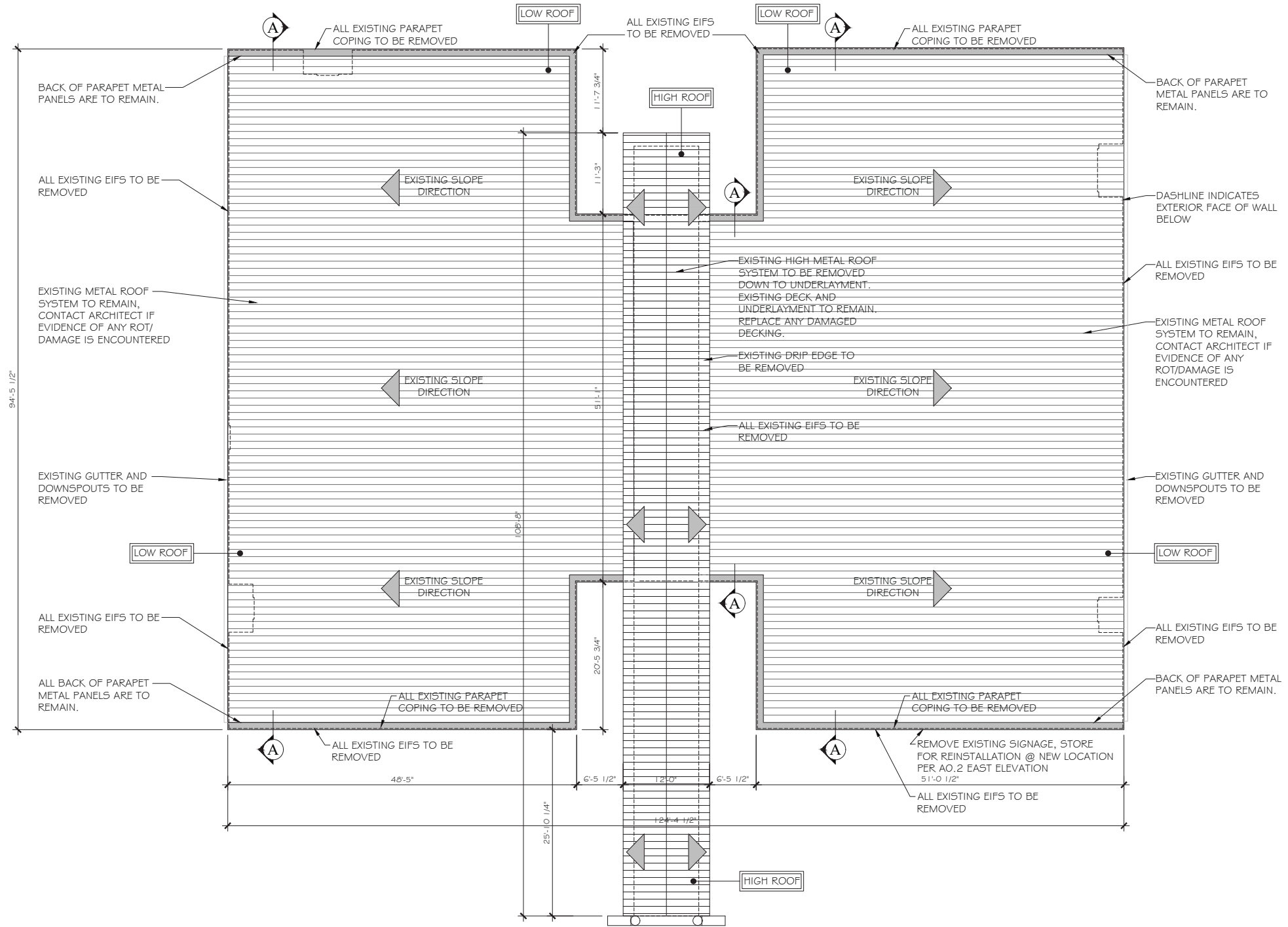
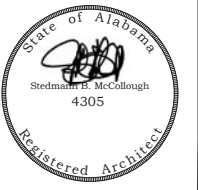
**T1.0**

TITLE SHEET

THIS IS A MEDICAL BUILDING WITH MEDICAL EQUIPMENT, GC TO ENSURE NO MOISTURE INFILTRATION AT ANY POINT DURING DEMOLITION OR CONSTRUCTION



McCULLOUGH ARCHITECTURE, INC.  
P.O. BOX 6310  
GULF SHORES, ALABAMA 36547-6310  
PHONE: 251-968-7222



**A DEMO WALL SECTION**  
SCALE: 3/4"=1'-0"

**DEMOLITION ROOF PLAN**  
SCALE: 1/8"=1'-0"



GENERAL NOTE: ANY UNFORESEEN DAMAGE TO ROOF STRUCTURE TO BE BROUGHT TO ARCHITECT'S ATTENTION. ALL BIDDERS TO FIELD VERIFY EXISTING CONDITIONS. AT THE CONCLUSION OF DEMOLITION THE HIGH ROOF IS TO BE IN A READY CONDITION TO RECEIVE NEW UNDERLAYMENT & NEW METAL PANELS AND THE LOWER MAIN ROOFS AND ALL PARAPETS ARE TO BE IN A READY CONDITION TO RECEIVE NEW RETROFIT PVC SYSTEM. EXTERIOR WALLS ARE TO BE FREE OF ALL EIFS AND READY TO RECEIVE NEW HARDIE SIDING OVER NEW LIQUID APPLIED WEATHER BARRIER OVER EXISTING SHEATHING.

A NEW RENOVATION FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO.:  
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DATE: 2022.08.22  
REVISION:

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

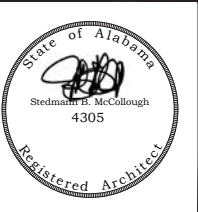
SHEET NO.:

**D0.0**

BASE BID DEMOLITION ROOF PLAN



**McColough  
ARCHITECTURE, INC.**  
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**A NEW RENOVATION  
FOR  
ORANGE BEACH MEDICAL ARTS**  
 Highway 161  
 ORANGE BEACH, ALABAMA

JOB NO:  
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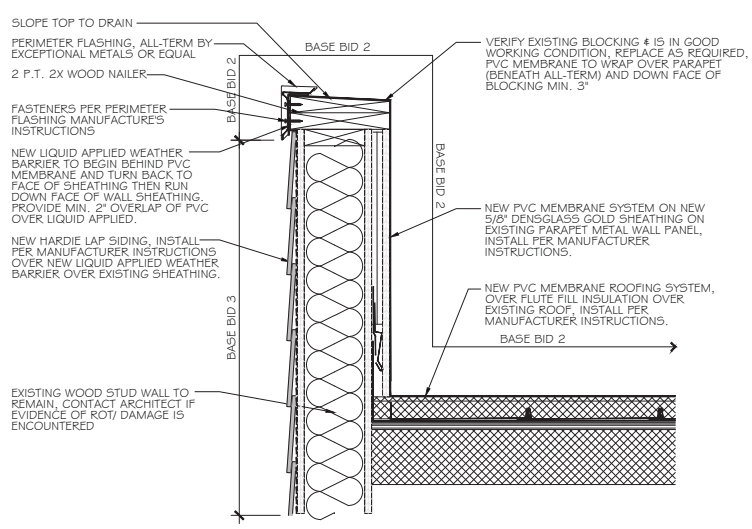
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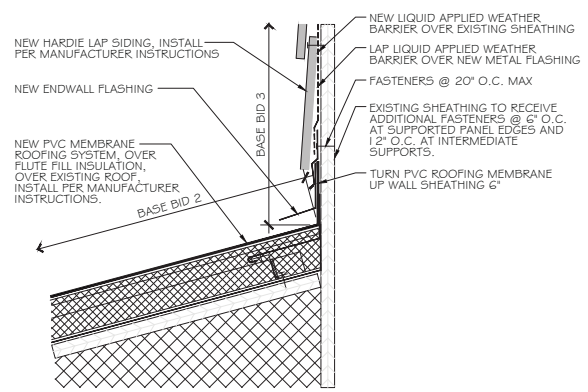
**A0.1**

BASE BID  
ROOF PLAN

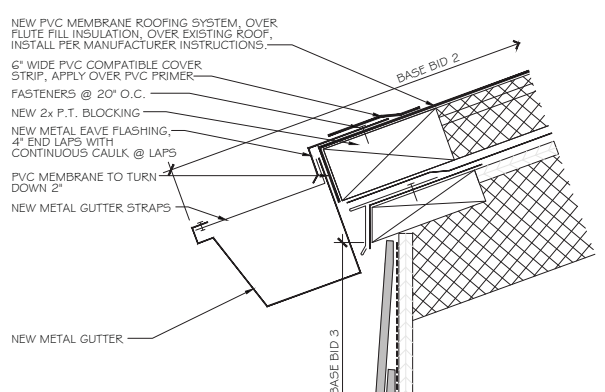
THIS IS A MEDICAL BUILDING WITH MEDICAL EQUIPMENT, GC TO ENSURE NO MOISTURE INFILTRATION AT ANY POINT DURING DEMOLITION OR CONSTRUCTION



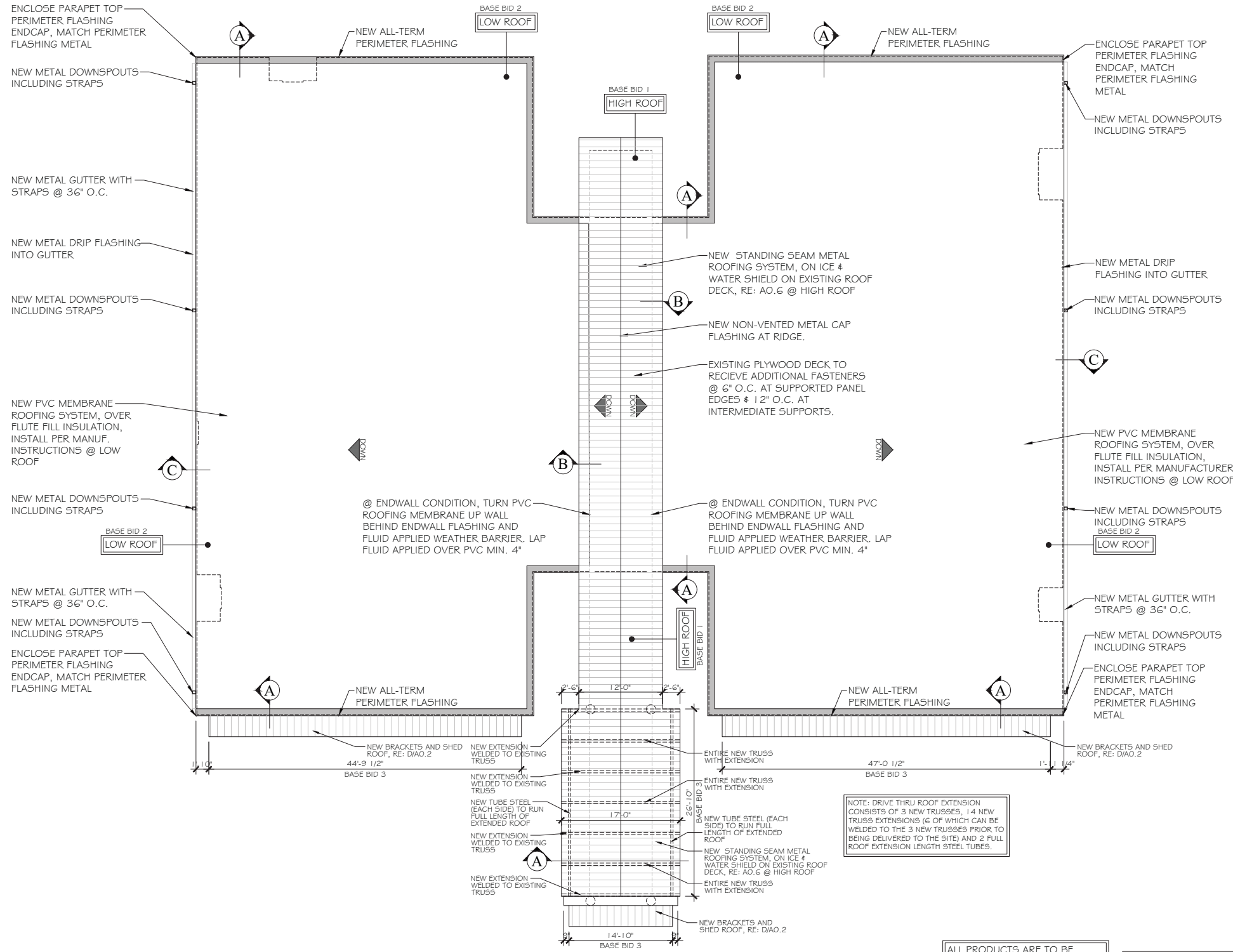
**A BASE BID SIDEWALL SECTION**  
SCALE: 1-1/2"=1'-0"



**B BASE BID ENDWALL SECTION**  
SCALE 3"=1'-0"



**C BASE BID EAVE SECTION**  
SCALE 3"=1'-0"



**BASE BID ROOF PLAN**  
SCALE: 1/8"=1'-0"



NOTE: DRIVE THRU ROOF EXTENSION CONSISTS OF 3 NEW TRUSSES, 14 NEW TRUSS EXTENSIONS (6 OF WHICH CAN BE WELDED TO THE 3 NEW TRUSSES PRIOR TO BEING DELIVERED TO THE SITE) AND 2 FULL ROOF EXTENSION LENGTH STEEL TUBES.

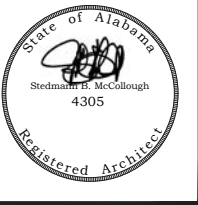
ALL PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN / GRAPHIC INSTRUCTIONS

NOTE: NEW FLASHING AROUND ALL ROOF PENETRATIONS.

GENERAL NOTE: BASE BID INCLUDES A NEW RETROFIT PVC ROOF SYSTEM ON THE LOW ROOFS, A NEW STANDING SEAM METAL PANEL SYSTEM ON THE HIGH ROOF AND NEW EXTERIOR FINISH AS WELL AS NEW DECORATIVE BRACKETS AND SHED ROOFS. DETAILS ON THIS SHEET ARE TO BE VERIFIED IN FIELD. WE ANTICIPATE THE ACTUAL WORK TO NECESSITATE SLIGHT DIFFERENCES FROM THESE DOCUMENTS. IF A MAJOR DIFFERENCE IS ENCOUNTERED, NOTIFY ARCHITECT. REFERENCE AO.3-AO.5 FOR CLARITY ON THE MEMBRANE SYSTEM. REFERENCE AO.6 FOR CLARITY ON THE STANDING SEAM SYSTEM.



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**A NEW RENOVATION FOR ORANGE BEACH MEDICAL ARTS**  
 Highway 161  
 ORANGE BEACH, ALABAMA

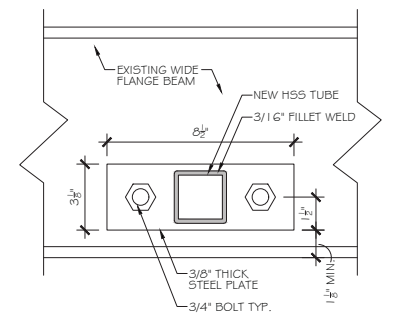
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 DRAWN: CLT  
 CHECKED: SBM  
 DATE: 2022.08.22  
 REVISION:

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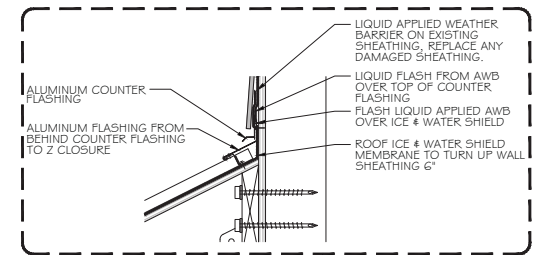
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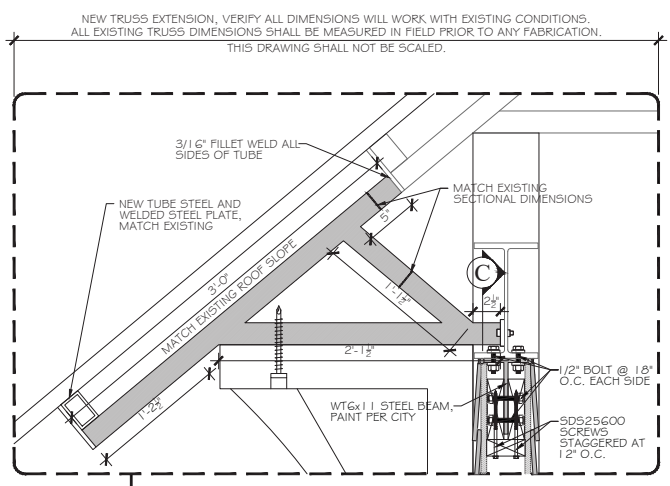
BASE BID  
 EXTERIOR ELEVATIONS



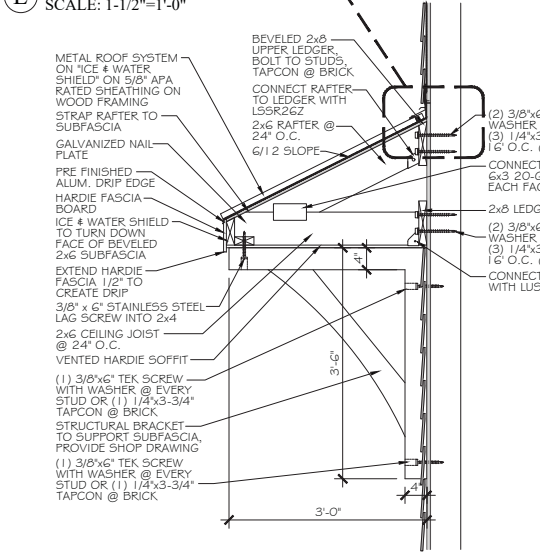
**C EXTENSION TO BEAM DETAIL**  
 SCALE: 3"=1'-0"



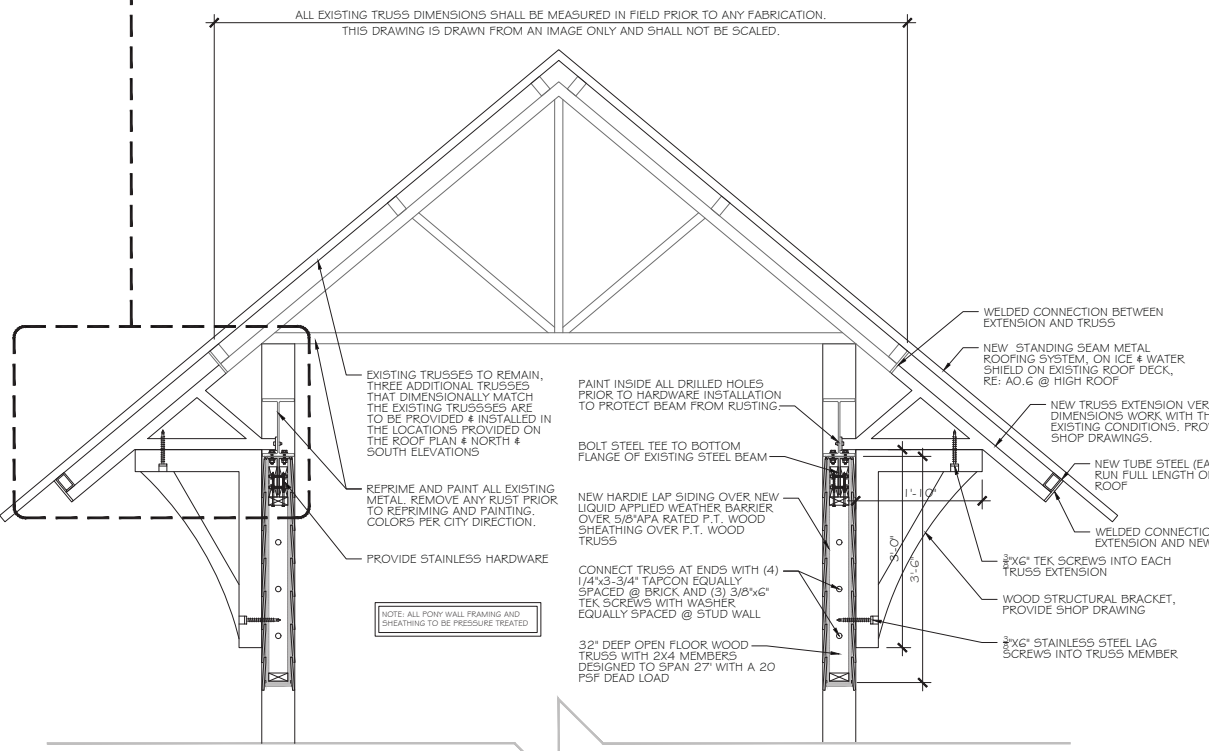
**E FLASHING DETAIL**  
 SCALE: 1-1/2"=1'-0"



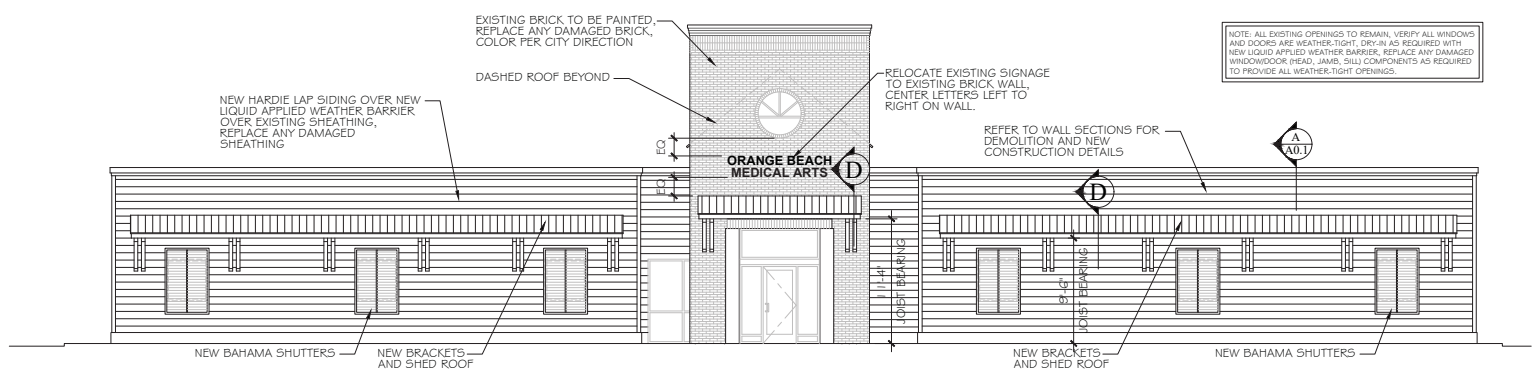
**B EXTENSION DETAIL**  
 SCALE: 1-1/2"=1'-0"



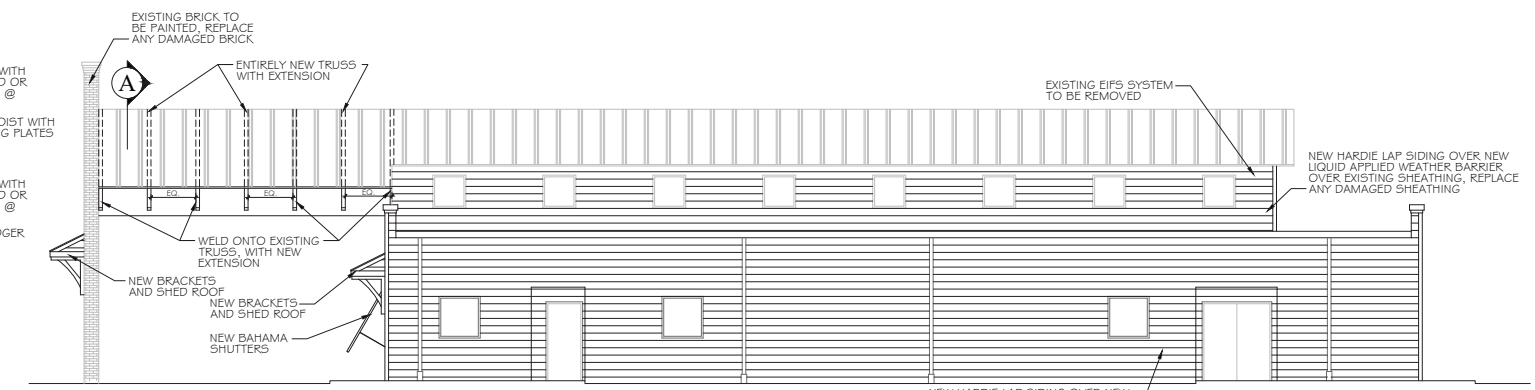
**D BRACKET DETAIL**  
 SCALE: 3/4"=1'-0"



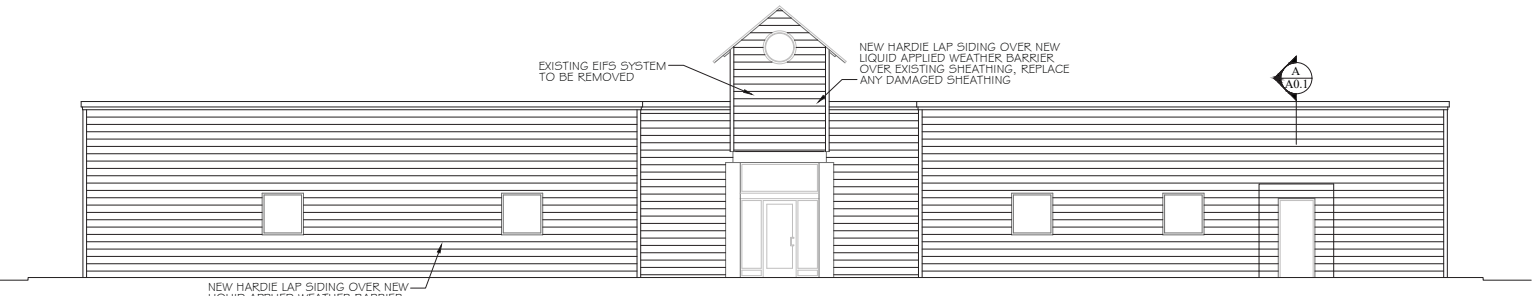
**A ROOF DETAIL SECTION**  
 SCALE: 3/4"=1'-0"



**EAST ELEVATION (FRONT)**  
 SCALE: 1/8"=1'-0"



**NORTH ELEVATION**  
 SCALE: 1/8"=1'-0"



**WEST ELEVATION**  
 SCALE: 1/8"=1'-0"



**SOUTH ELEVATION**  
 SCALE: 1/8"=1'-0"

GENERAL NOTE: THIS SHEET PERTAINS TO BASE BID 3 ENTIRELY



MANUFACTURER DRAWINGS

A NEW RENOVATION FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO.:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

SCALE: 3" = 1'-0"

SHEET NO.:

**A0.3**  
BASE BID SINGLE-PLY DETAILS

GENERAL NOTE: THIS SHEET IS HERE AS AN AID TO THE CONTRACTOR. NOT ALL OF THESE DETAILS ARE 100% APPLICABLE. CONTRACTOR IS TO USE AS APPROPRIATE FOR EACH SEGMENT OF THE WORK. SHOWN ARE THE PVC MEMBRANE DETAILS. CONTRACTOR TO EXTRAPOLATE FOR USE WITH INSTALLATION OVER EXISTING LOW ROOFS.

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 3130

Termination Bar and approved Duro-Last® fasteners spaced 6 inches on center  
Duro-Last membrane folded back to expose proper side  
Field weld (Note 4)  
Approved Duro-Last sealant  
Approved Duro-Last caulk  
Wood nailer (Note 5)  
Contractor responsible to cover any exposed wood nailers with metal flashing or approved edge detail by a minimum of 1 inch  
Duro-Last® membranes  
Metal drip edge  
Fasten to hold membrane in place  
Approved vapor barrier (Note 6)  
Deck  
Approved cover board (Note 6)  
Approved insulation (Note 6)

**Note 1:** The use of this detail is not allowed on adhered applications.  
**Note 2:** This detail may also be used on parapet walls.  
**Note 3:** An overlap of 1-1/2 inches will be required between sections of edging. A bead of caulk is required in each overlap.  
**Note 4:** All field welds shall be a minimum of 1-1/2 inches wide.  
**Note 5:** Wood nailers must withstand a minimum force of 180 pounds per lineal foot (per building code). Any pull values greater than 270 pounds will allow for a fastener spacing of 18 inches on center. Pull values less than 270 pounds will require additional fasteners. **The installing contractor is responsible for meeting building codes.**  
**Note 6:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 02/02/2017	EDGE DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/01/2009	METAL DRIP EDGE
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 2095

Gutter (Instruction 2)  
End cap (rivet into place, 2 rivets per surface, min.) (Instruction 1)  
Top expansion joint cover (Instruction 4)  
Bottom expansion joint cover (Instruction 3)  
Slope to back of gutter

**INSTRUCTIONS**

- Prior to installing gutter, install **end caps** as shown above. Apply approved Duro-Last® sealant to end caps to ensure a water-tight application.
- Install both sections of gutter allowing for a 1/4-inch gap at expansion joint locations. An expansion joint should be located at every 40 to 50 feet of gutter.
- Install **bottom expansion joint cover** and rivet 1 side of front face as shown above.
- Install **top expansion joint cover** by hooking to top front of gutter as shown above. Do **not** rivet or fasten top expansion joint cover. Top expansion joint cover will be fastened when approved Duro-Last edge detail is installed over it.

Note: For complete gutter instructions, refer to Detail Drawing 2090.

REVISED: 06/16/2017	DRAINAGE DETAIL
PREVIOUS: 05/12/2017	GUTTER EXPANSION JOINT - X-SERIES
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 2090

End cap (rivet into place, 2 rivets per surface, min.) (Notes 2, 3)  
Fasten 24 inches on center with approved Duro-Last® fasteners  
Approved Duro-Last sealant  
Leave a 1/4-inch gap between gutter sections  
Note 8  
Splice plate (Notes 2, 3)  
Rivets  
Gutter straps at or below membrane termination (Notes 1, 5)  
Note 7

**Note 1:** For membrane installation, refer to Detail Drawing 3020.  
**Note 2:** All joints, splices, corners and end caps are to be riveted into position. On splice plates, a minimum of 2 rivets and 2 fasteners are to be installed as shown above.  
**Note 3:** All joints, splices, corners and end caps must have approved Duro-Last sealant applied to them to ensure a water-tight application. Apply a bead of approved Duro-Last sealant to the splice plate on both sides of joint.  
**Note 4:** For every 40 to 50 feet of gutter, install 1 expansion joint. Refer to Detail Drawing 2095.  
**Note 5:** Gutter straps spaced 24 to 30 inches on center.  
**Note 6:** Drainage slopes and drain sizes are to be determined by local building code requirements and are contractor's responsibility to follow.  
**Note 7:** Wood nailers must withstand a minimum force of 180 pounds per lineal foot (per building code). Any pull values greater than 270 pounds will allow for a fastener spacing of 18 inches on center. Pull values less than 270 pounds will require additional fasteners. **The installing contractor is responsible for meeting building codes.**  
**Note 8:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 05/05/2017	DRAINAGE DETAIL
PREVIOUS: 01/01/2009	GUTTER ATTACHMENT - X-SERIES
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 4070

Vent pipe  
Approved Duro-Last® caulk  
Stainless steel band positioned 1/4 inch from top of stack flashing  
Approved Duro-Last sealant  
Duro-Last custom-fabricated Stack Flashing  
Approved Duro-Last plates/fasteners (Note 2)  
Approved cover board (Note 4)  
Approved insulation (Note 4)  
Approved vapor barrier (Note 4)  
Field weld (Note 3)  
Deck  
8 inches, min.

**Note 1:** Lead flashings must be removed prior to installing Duro-Last Stack Flashings.  
**Note 2:** Deck membrane shall be fastened around the perimeter of the Duro-Last Stack Flashing as per the respective zone the Duro-Last Stack Flashing is located within (field, perimeter, corner), no less than one fastener per flashing.  
**Note 3:** All field welds shall be a minimum of 1-1/2 inches wide.  
**Note 4:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 02/02/2017	ROOF PENETRATION DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/01/2009	ROUND PENETRATION
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 4047

Galvalume top (Instruction 4)  
Approved Duro-Last® fasteners (Instruction 4)  
Factory-installed 3-inch Stack Flashing  
Vinyl-coated metal base  
Stainless steel bands (Instruction 3)  
Approved Duro-Last caulk (Instruction 3)  
Hidden flange (Instruction 1)  
6-inch membrane skirt (Instruction 2)  
Mechanical lines

**INSTRUCTIONS**

- Use approved Duro-Last fasteners to secure hidden flange as per respective zone the ATR Hub is located within (field, perimeter, corner).
- Weld 6-inch membrane skirt to deck membrane. Field welds shall be a minimum of 1-1/2 inches wide.
- Once mechanical lines are run through 3-inch Stack Flashings, fill all voids at ends of Stack Flashings with approved Duro-Last caulk. Install stainless steel bands 1/4 inch away from end of Stack Flashings. Do **not** overtighten stainless steel bands.
- Install and secure galvalume top with 2 approved Duro-Last fasteners located on opposite sides of each other.
- Unused Stack Flashings must have ends pinched together and welded closed with a 1-1/2 inch field weld. Welded section may be cut off to use the Stack Flashing again.

REVISED: 05/24/2017	ROOF PENETRATION DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 04/01/2010	ATR HUB
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST** THE WORLD'S BEST ROOF®

DETAIL 3580

Hook top of cover on base and press downward on top face to strap in place  
Factory pre-notched  
Approved cover board (Note 3)  
Approved insulation (Note 3)  
3/4"  
Duro-Last® membranes  
All-Term™ cover  
All-Term base  
Approved Duro-Last sealant  
Approved Duro-Last fasteners to be installed in all pre-punched holes  
Contractor responsible to cover any exposed wood nailers with metal flashing or approved edge detail by a minimum of 1-inch  
Note: Second row of fasteners required for 6-inch face and larger (holes provided)  
Wood nailer (Note 2)  
Approved vapor barrier (Note 3)

**Note 1:** Overlap each 10-foot length of base by 1-inch. Overlap the covers by 1-1/2 inches utilizing the pre-notched end on 10-foot lengths.  
**Note 2:** Wood nailers must withstand a minimum force of 180 pounds per lineal foot (per building code). Any pull values greater than 270 pounds will allow for a fastener spacing of 18 inches on center. Pull values less than 270 pounds will require additional fasteners. **The installing contractor is responsible for meeting building codes.**  
**Note 3:** Refer to specifications for vapor barrier, insulation, and cover board requirements.

REVISED: 06/04/2018	EDGE DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 05/10/2017	ALL-TERM™
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF



MANUFACTURER  
DRAWINGS

A NEW RENOVATION  
FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO.:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

SCALE: 3" = 1'-0"

SHEET NO.:

**A0.4**  
BASE BID SINGLE-PLY  
DETAILS

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 5020

**INSTRUCTIONS**

- Install Two-Way Air Vents (vents) between fastener rows and at high points of roof area. Vents must not be installed within 7 feet of the building edge. Never install vents in low, or drainage areas.
  - A minimum of one vent must be installed for every 1,000 square feet of roof area, or portion thereof, but with a minimum of two vents per roof area.
  - Vent Placement
    - Corners** - Vents must first be installed within 8 to 10 feet of the outer corners. Install vents at opposite corners whenever possible.
    - Remaining Roof Area** - Starting at 8 to 10 feet from the building edge, evenly distribute the remaining vents throughout the remaining roof area. (Smaller roof areas may not have additional vents.)
- Cut a 7-inch diameter hole and a 2-inch slit in deck membrane. Rotate vent to allow feet to slide underneath deck membrane at slit (see drawing above). Do not fasten vent to roof deck.

**Note 1:** Vents must NOT be used on refrigerated buildings, freezer buildings or adhered roofing systems.

**Note 2:** Vents are not required on open-air structures (e.g. carports) or roofing systems with overburden (e.g. ballast, paver, vegetation, etc.).

**Note 3:** All field welds shall be a minimum of 1-1/2 inches wide.

**Note 4:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 01/16/2019	VENT DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 02/02/2017	TWO-WAY AIR VENT
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 6010

**EXAMPLE #1**  
A = 6" (min.), 60" (max.)  
B = 8" (min.), see note

**EXAMPLE #2**  
A = 6" (min.), 60" (max.)  
B = 6" (min.), 25" (max.)  
C = 6" (min.), see note

**EXAMPLE #3**  
A = 6" (min.), 60" (max.)  
B = 6" (min.), 25" (max.)  
C = 6" (min.), 28" (max.)  
D = 6" (min.), see note

**EXAMPLE #4**  
A = 6" (min.), 60" (max.)  
B = 6" (min.), 25" (max.)  
C = 6" (min.), see note

**Note:** If distance from last tab to top of parapet wall is 28 inches or less, additional membrane may be added to cover top of wall without adding more tabs.

REVISED: 02/02/2017	PARAPET FLASHING TAB SPACING FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 08/12/2015	PARAPET FLASHING TAB SPACING
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 6020

**Note 1:** 1-3/4 or 4-inch Fascia Bar and Cover (cover optional) may be used in place of Termination Bar.

**Note 2:** Membrane fastening at deck-to-wall transitions and walls shall be same as per respective zones that area is located within (field, perimeter, corner).

**Note 3:** Refer to Detail Drawing 6010 for tab spacing.

**Note 4:** All field welds shall be a minimum of 1-1/2 inches wide.

**Note 5:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 02/02/2017	PARAPET WALL DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/01/2009	INSIDE WALL TERMINATION
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 6030

**Note 1:** Approved edge details may be used in place of Termination Bar.

**Note 2:** Membrane fastening at deck-to-wall transitions and walls shall be same as per respective zones that area is located within (field, perimeter, corner).

**Note 3:** Refer to Detail Drawing 6010 for tab spacing.

**Note 4:** All field welds shall be a minimum of 1-1/2 inches wide.

**Note 5:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 02/02/2017	PARAPET WALL DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/01/2009	OUTSIDE WALL TERMINATION
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 6070

**Note 1:** It is not recommended to exceed 18 inches in height when using deck sheet reverse tabs to flash walls.

**Note 2:** This detail is not recommended when tapered insulation transitions along the walls.

**Note 3:** Membrane fastening at deck-to-wall transitions and walls shall be same as per respective zones that area is located within (field, perimeter, corner).

**Note 4:** Minimum termination height for parapet wall flashing is 8 inches above the finished deck. Refer to Detail Drawing 6020.

**Note 5:** Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED: 02/03/2017	PARAPET WALL DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/01/2009	REVERSE TAB ON WALL
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL 6090

**Note 1:** This detail cannot be used when fastening tab spacing exceeds 60 inches.

**Note 2:** This detail is not recommended when more than 24 inches of flashing membrane is needed.

**Note 3:** Minimum termination height for parapet wall flashing is 8 inches above finished deck. Refer to Detail Drawing 6020.

REVISED: 03/10/2017	PARAPET WALL DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 01/31/2017	PERPENDICULAR TAB PARAPET FLASHING
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

GENERAL NOTE: THIS SHEET IS HERE AS AN AID TO THE CONTRACTOR. NOT ALL OF THESE DETAILS ARE 100% APPLICABLE. CONTRACTOR IS TO USE AS APPROPRIATE FOR EACH SEGMENT OF THE WORK. SHOWN ARE THE PVC MEMBRANE DETAILS. CONTRACTOR TO EXTRAPOLATE FOR USE WITH INSTALLATION OVER EXISTING LOW ROOFS.



MANUFACTURER  
DRAWINGS

A NEW RENOVATION  
FOR  
ORANGE BEACH MEDICAL ARTS  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO.:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

SCALE: 3" = 1'-0"  
SHEET NO.:

A0.5  
BASE BID SINGLE-PLY  
DETAILS

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL RG1053

Wall height less than 2 feet

Wall height 2 feet, or taller

Note 1: Contact the Duro-Last Engineering Services Department for assistance in determining the fastening requirements if: the building is 40 feet tall, or taller; or the building is located in an area with an ASCE 7-05 design wind speed of 110 mph, or higher (150 mph, or higher, for ASCE 7-10); or fastener pullout resistance is less than 150 lb.

Note 2: Refer to RG1062 and RG1064 for fastener placement and sheet overlap.

REVISED: 02/03/2017	GENERAL DETAIL FOR ROLL GOOD MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 08/01/2012	PERIMETER FASTENING WITH 60 AND 30-INCH WIDE ROLLS
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL RG1062

Adjacent (overlapping) sheet

Field weld (Note 3)

Install edge of plates flush with edge of membrane

Overlap line (Note 2)

Duro-Last membranes

Approved Duro-Last plates/fasteners

Note 1: Proper fastener spacing can be determined using the Fastener Spacing Tables in the Roll Good Mechanically Fastened Roofing System specification.

Note 2: Some membranes will have an overlap line located 6 inches from the edge of the sheet, and X's or dots placed at 6-inch intervals for ease of fastener placement.

Note 3: All field welds shall be a minimum of 1-1/2 inches wide.

REVISED: 02/03/2017	GENERAL DETAIL FOR ROLL GOOD MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 08/01/2012	FASTENER PLACEMENT AND SHEET OVERLAP
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL RG6013

Approved Duro-Last plates/fasteners: wall membrane

Sheet overlap (Note 2)

Field weld (typ.) (Note 4)

Duro-Last membranes

Approved Duro-Last plates/fasteners: roof membrane

T-Lap Patches

Tack welds

Note 1: Refer to the Roll Good Mechanically Fastened Roofing System specification for the fastener spacing requirements on the wall and roof deck. Fastener spacing for wall membrane will be same as perimeter and corner fastening requirements for deck membrane.

Note 2: Overlap wall sheets a minimum of 6 inches.

Note 3: Tack weld the wall membrane to the roof membrane at the roof-to-wall transition between the roof membrane fasteners.

Note 4: All field welds shall be a minimum of 1-1/2 inches wide.

REVISED: 02/03/2017	PARAPET DETAIL FOR ROLL GOOD MECHANICALLY FASTENED SYSTEMS
PREVIOUS: 08/01/2012	WALL FLASHING - VERTICAL FASTENING
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL VB1020

6-inch overlap at ends (Note 4)

3-inch overlap at sides (Note 4)

Metal plate (Note 3)

T-Lap (intersection of 3 or more layers)

Mastic (Notes 5, 6)

Note 2

Note 1: Primer is not required when roof system is mechanically fastened or when substrate is a metal deck. All other substrates require primer.

Note 2: Stagger end laps a minimum of 3 feet.

Note 3: For metal decks, install 24 gauge metal plate (6 x 42 inches) at end of each roll to support end-laps. Do not fasten.

Note 4: Position rolls to create 6-inch overlaps at ends and 3-inch overlaps at sides.

Note 5: Mastic is not required unless Duro-Last Vapor Barrier will be used as a temporary roof. When required, seal 6 inches out from all T-Lap edges as shown above.

Note 6: If mastic is used, do not allow it to contact Duro-Last membrane. A proper slip sheet or insulation must be used to separate both products.

REVISED: 08/03/2017	GENERAL DETAIL FOR VAPOR BARRIER
PREVIOUS: 04/01/2014	OVERLAPS AND T-LAPS
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

**DURO-LAST**  
THE WORLD'S BEST ROOF.

DETAIL VB1030

STEP 1

Corner Patch (Cut a 4x4-inch square or 4-inch diameter circle from vapor barrier roll and relief-cut as shown)

Vertical surface

Deck

STEP 2

Vapor Barrier (Cut to allow for bend at transition)

2 inches up vertical surface and 2 inches on deck, min.

STEP 3

Vapor Barrier (Cut to allow for bend at transition)

2 inches up vertical surface and 2 inches on deck, min.

Mastic

Note 1: Primer is not required when roof system is mechanically fastened or when substrate is a steel deck. All other situations require primer.

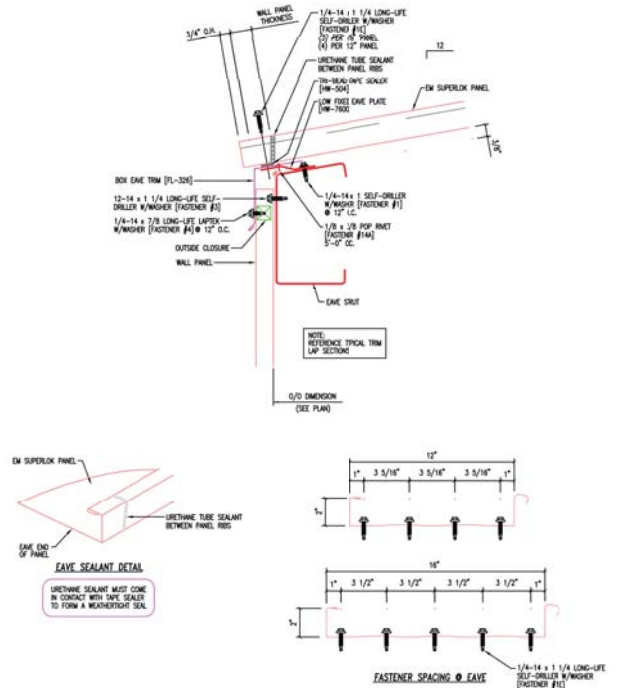
Note 2: Overlap each section a minimum of 2 inches as shown above.

Note 3: Mastic is not required unless Duro-Last Vapor Barrier will be used as a temporary roof. When required, seal 6 inches out from all T-Lap edges as shown above.

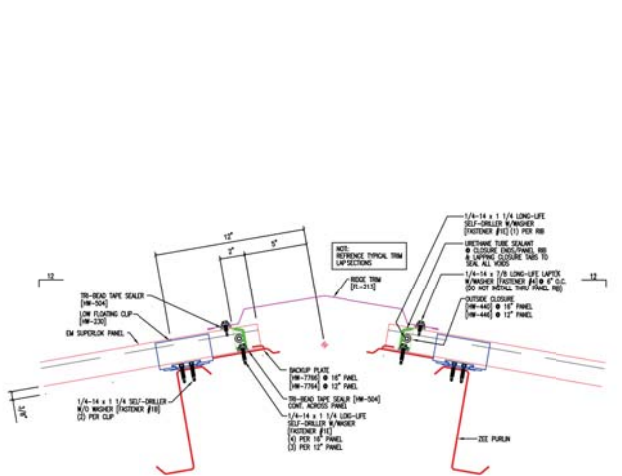
Note 4: If mastic is used, do not allow it to contact Duro-Last membrane. A proper slip sheet or insulation must be used to separate both products.

REVISED: 08/10/2017	GENERAL DETAIL FOR VAPOR BARRIER
PREVIOUS: 04/01/2014	OUTSIDE CORNER
SCALE: NONE	NEW CONSTRUCTION OR RE-ROOF

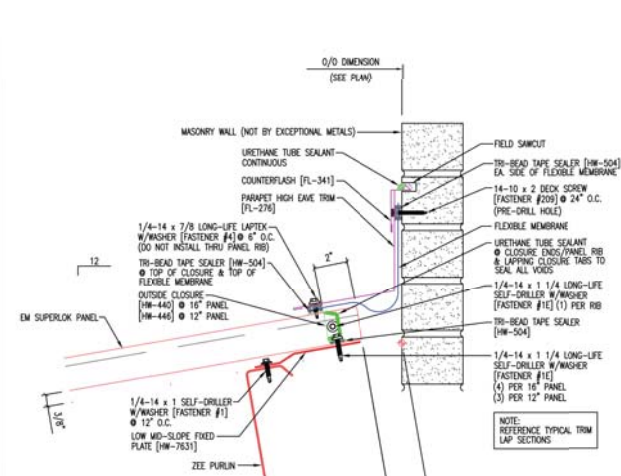
GENERAL NOTE: THIS SHEET IS HERE AS AN AID TO THE CONTRACTOR. NOT ALL OF THESE DETAILS ARE 100% APPLICABLE. CONTRACTOR IS TO USE AS APPROPRIATE FOR EACH SEGMENT OF THE WORK. SHOWN ARE THE PVC MEMBRANE DETAILS. CONTRACTOR TO EXTRAPOLATE FOR USE WITH INSTALLATION OVER EXISTING LOW ROOFS.



REVISED:	07/11/2018	STANDING SEAM ROOF PANELS
AUTHOR:	BVANOCHT	EM SUPERLOK®
SCALE:	NONE	BOX EAVE TRIM LOW FIXED



REVISED:	07/12/2018	STANDING SEAM ROOF PANELS
AUTHOR:	BVANOCHT	EM SUPERLOK®
SCALE:	NONE	LOW FLOATING RIDGE



REVISED:	07/12/2018	STANDING SEAM ROOF PANELS
AUTHOR:	BVANOCHT	EM SUPERLOK®
SCALE:	NONE	PARAPET HIGH EAVE MASONRY LOW FIXED



McCOLLOUGH  
ARCHITECTURE, INC.  
P.O. BOX 6310  
GULF SHORES, ALABAMA  
36547-6310  
PHONE: 251-968-7222

MANUFACTURER  
DRAWINGS

A NEW RENOVATION  
FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

SCALE: 3" = 1'-0"

SHEET NO.:

**A0.6**

BASE BID HIGH ROOF  
DETAILS

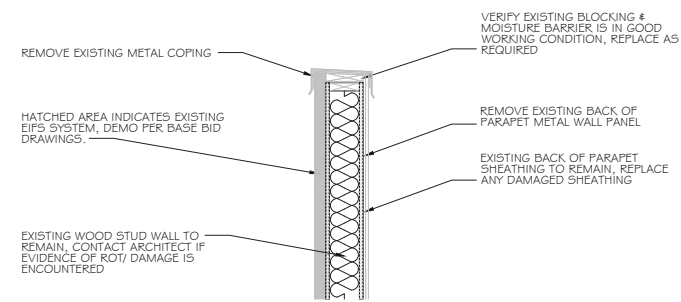
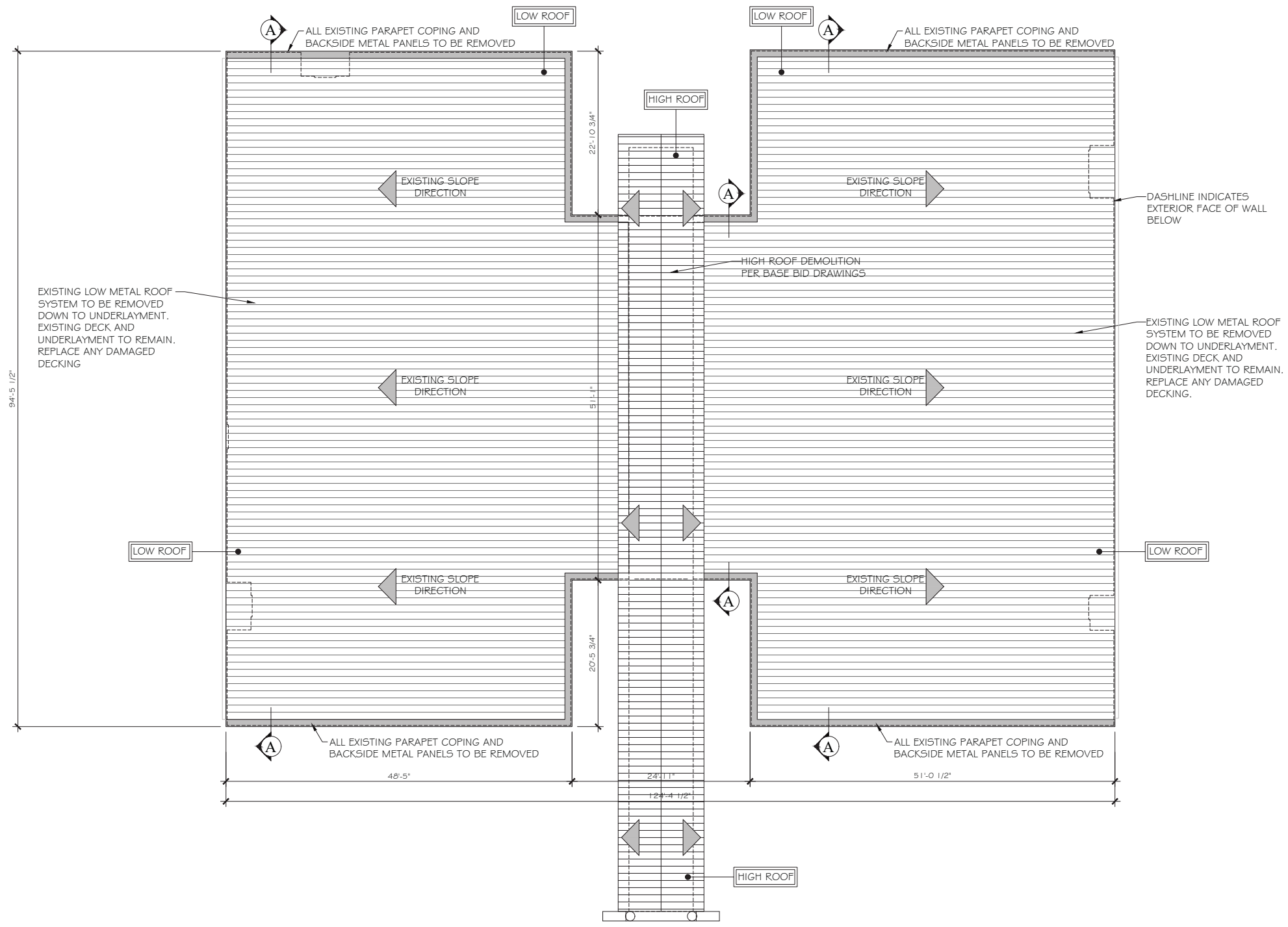
GENERAL NOTE: THIS SHEET IS HERE AS AN AID TO THE CONTRACTOR. NOT ALL OF THESE DETAILS ARE 100% APPLICABLE. CONTRACTOR IS TO USE AS APPROPRIATE FOR EACH SEGMENT OF THE WORK. SHOWN ARE THE STANDING SEAM DETAILS. CONTRACTOR TO EXTRAPOLATE FOR USE WITH REPLACEMENT OF EXISTING HIGH ROOF.



THIS IS A MEDICAL BUILDING WITH MEDICAL EQUIPMENT, GC TO ENSURE NO MOISTURE INFILTRATION AT ANY POINT DURING DEMOLITION OR CONSTRUCTION



McCULLOUGH ARCHITECTURE, INC.  
P.O. BOX 6310  
GULF SHORES, ALABAMA 36547-6310  
PHONE: 251-968-7222



**A** DEMO WALL SECTION  
SCALE: 3/4"=1'-0"

DEMOLITION ROOF PLAN  
SCALE: 1/8"=1'-0"



GENERAL NOTE: THIS ALTERNATE 1 CALLS FOR THE REMOVAL OF THE EXISTING LOW ROOF METAL PANELS AND BACK OF PARAPET METAL PANELS. ANY UNFORESEEN DAMAGE TO ROOF STRUCTURE TO BE BROUGHT TO ARCHITECT'S ATTENTION. ALL BIDDERS TO FIELD VERIFY EXISTING CONDITIONS. AT THE CONCLUSION OF DEMOLITION THE ROOF AND PARAPETS ARE TO BE IN A READY CONDITION TO RECEIVE NEW UNDERLAYMENT, NEW METAL PANELS AND NEW METAL COPING, FREE OF ALL UNNECESSARY ITEMS. ALL OTHER AREAS TO BE REMOVED PER BASE BID DRAWINGS.

A NEW RENOVATION FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

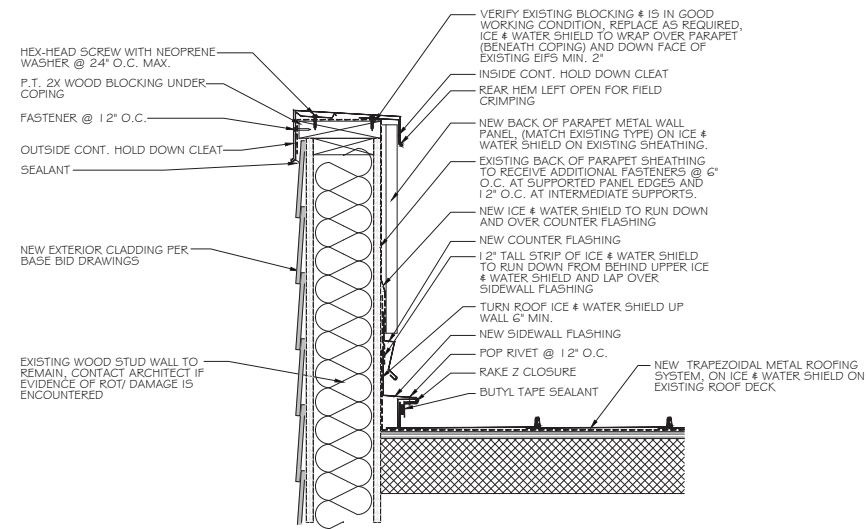
JOB NO.:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

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

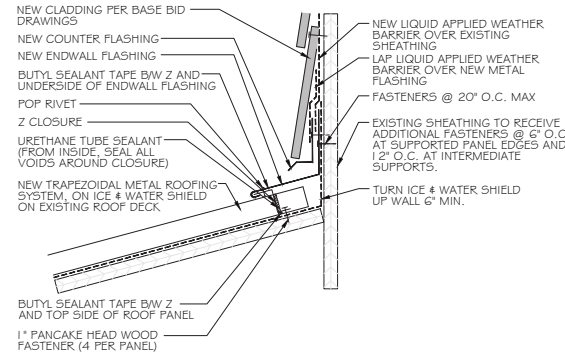
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**D1.0**

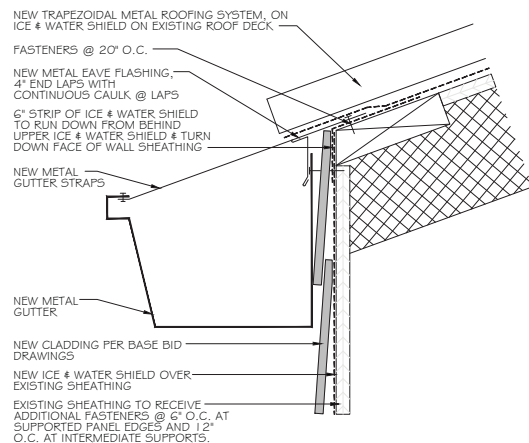
ALTERNATE 1  
DEMOLITION ROOF PLAN



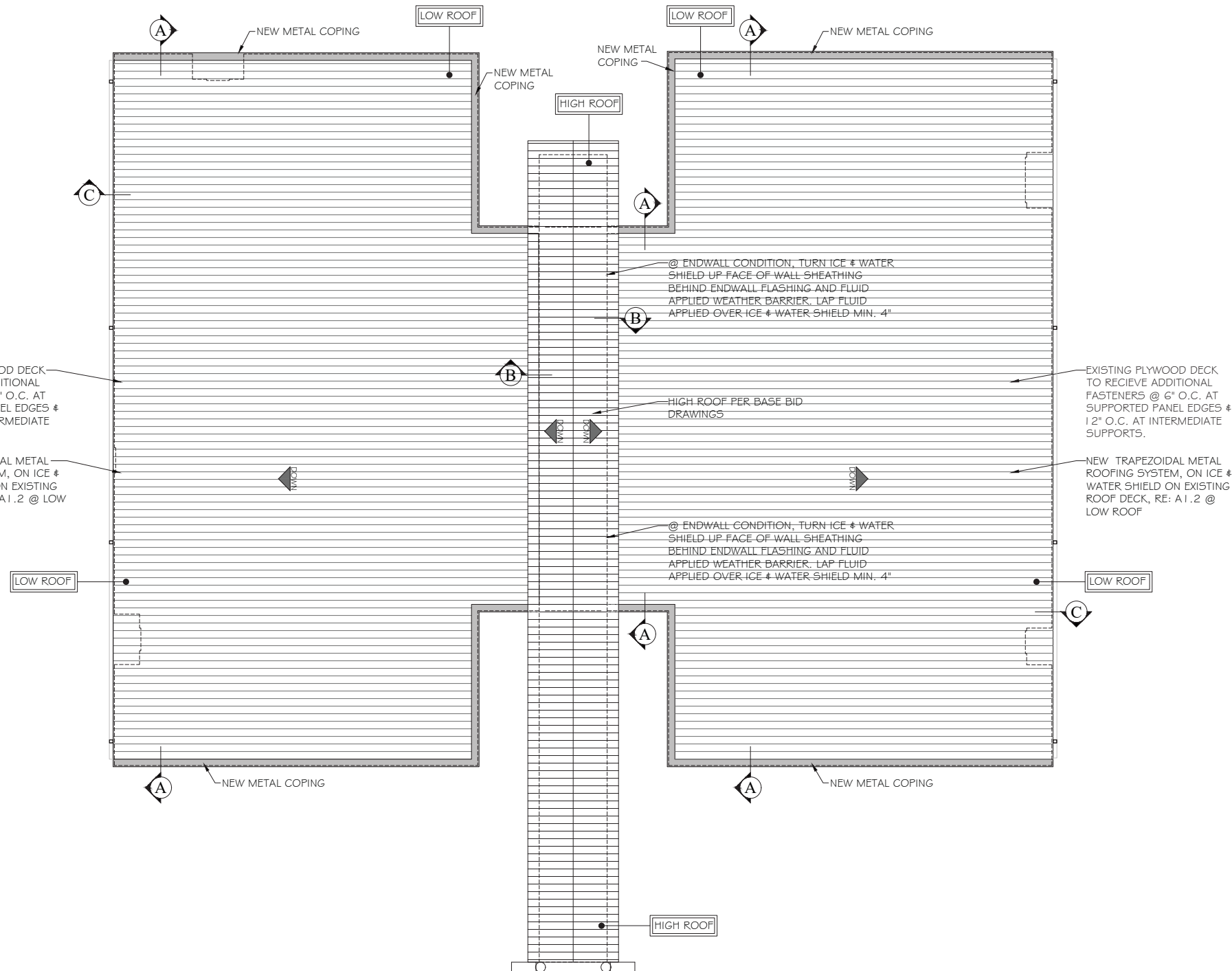
**A ALTERNATE 1 SIDEWALL SECTION**  
SCALE: 1/2"=1'-0"



**B ALTERNATE 1 ENDWALL SECTION**  
SCALE 3"=1'-0"



**C ALTERNATE 1 EAVE SECTION**  
SCALE 3"=1'-0"



**BASE BID ROOF PLAN**  
SCALE: 1/8"=1'-0"



THIS IS A MEDICAL BUILDING WITH MEDICAL EQUIPMENT, GC TO ENSURE NO MOISTURE INFILTRATION AT ANY POINT DURING DEMOLITION OR CONSTRUCTION

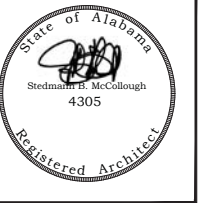
ALL PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN / GRAPHIC INSTRUCTIONS

NOTE: NEW FLASHING AROUND ALL ROOF PENETRATIONS.

GENERAL NOTE: THIS ALTERNATE 1 REPLACES THE LOW ROOF PVC DESIGN WITH A REPLACE WITH "LIKE IN KIND" DESIGN. THE NEW LOW ROOF AND BACK OF PARAPETS ARE TO RECEIVE A NEW TRAPEZOIDAL METAL ROOF SYSTEM. THE PARAPET TOPS ARE TO RECEIVE NEW METAL COPING. ALL AREAS OTHER THAN THE LOW ROOFS AND THE BACK AND TOP OF PARAPETS ARE TO BE PER BASE BID DRAWINGS. WE ANTICIPATE THE ACTUAL WORK TO NECESSITATE SLIGHT DIFFERENCES FROM THESE DOCUMENTS. IF A MAJOR DIFFERENCE IS ENCOUNTERED, NOTIFY ARCHITECT. REFERENCE A1.2 FOR CLARITY.



**MCCOLLOUGH ARCHITECTURE, INC.**  
P.O. BOX 6310  
GULF SHORES, ALABAMA 36547-6310  
PHONE: 251-968-7222



A NEW RENOVATION FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

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

SHEET NO.:

**A1.1**

ALTERNATE 1 ROOF PLAN



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ARCHITECTURE, INC.  
P.O. BOX 6310  
GULF SHORES, ALABAMA  
36547-6310  
PHONE: 251-968-7222

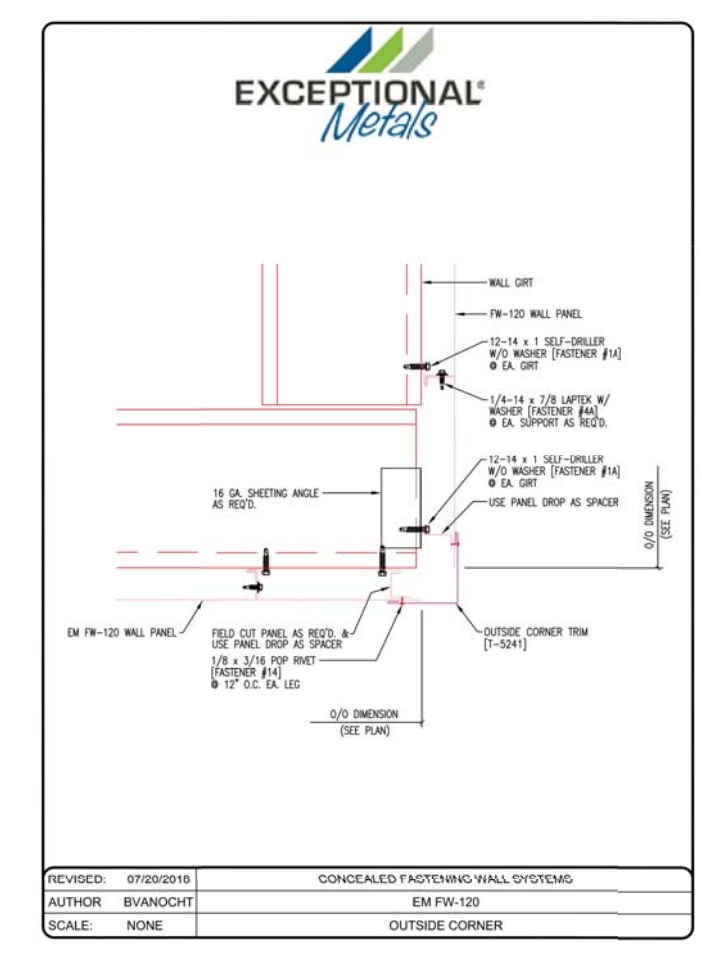
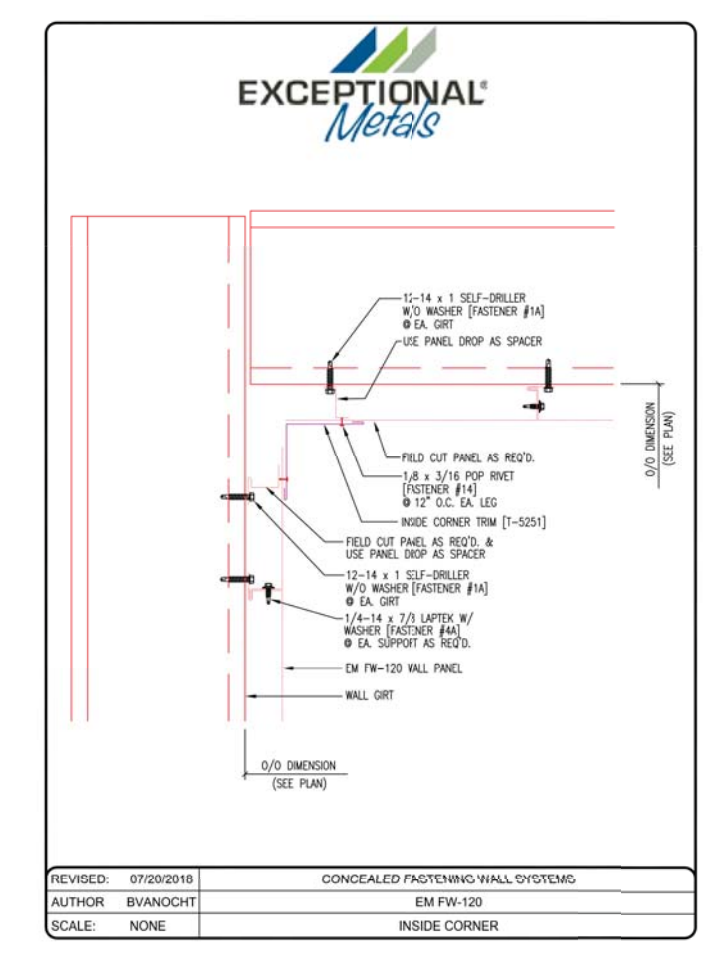
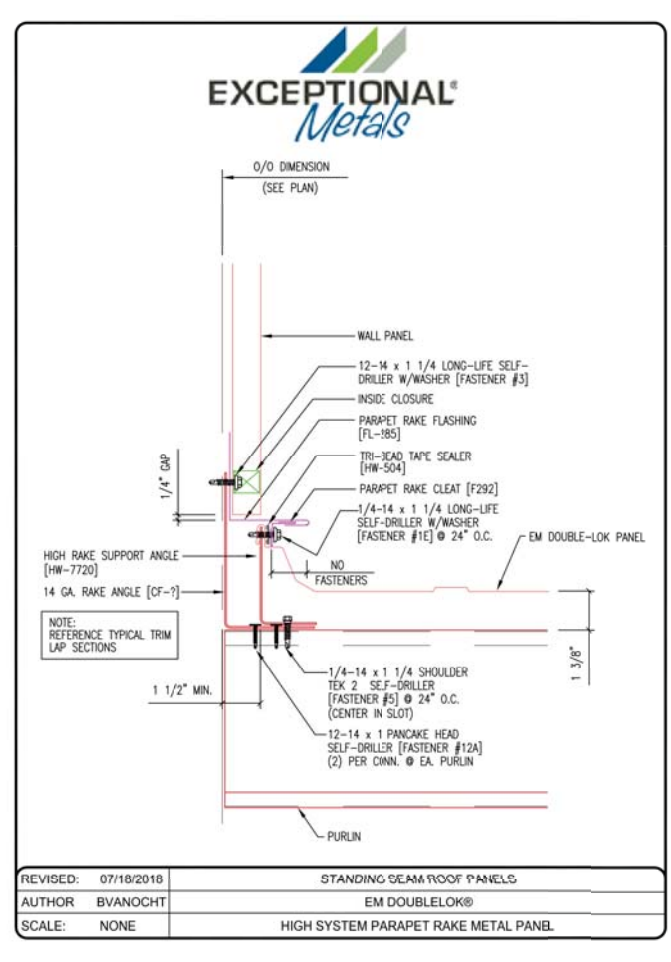
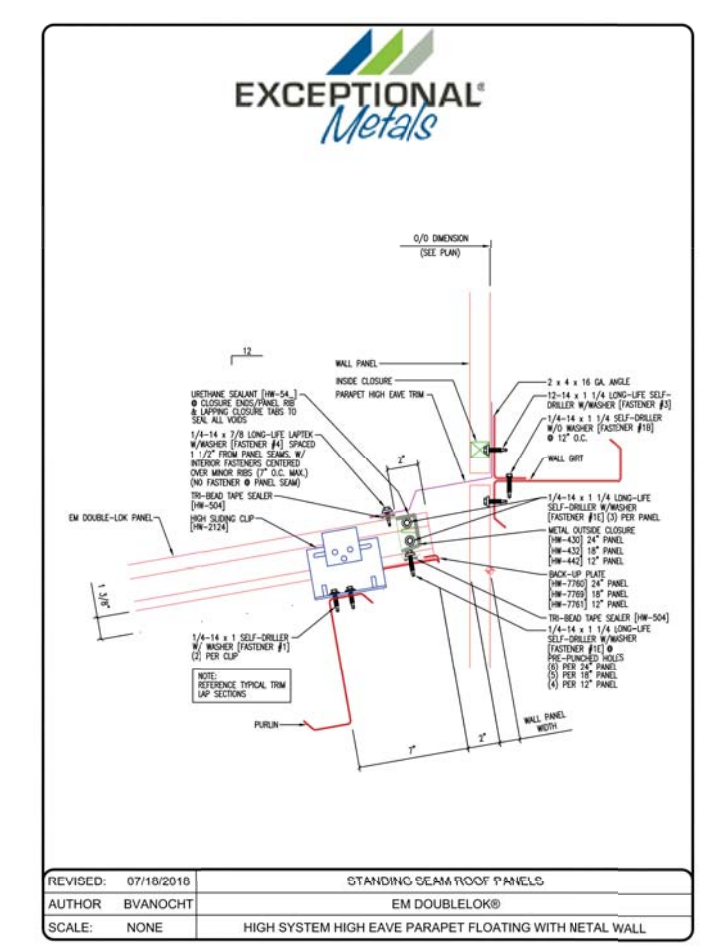
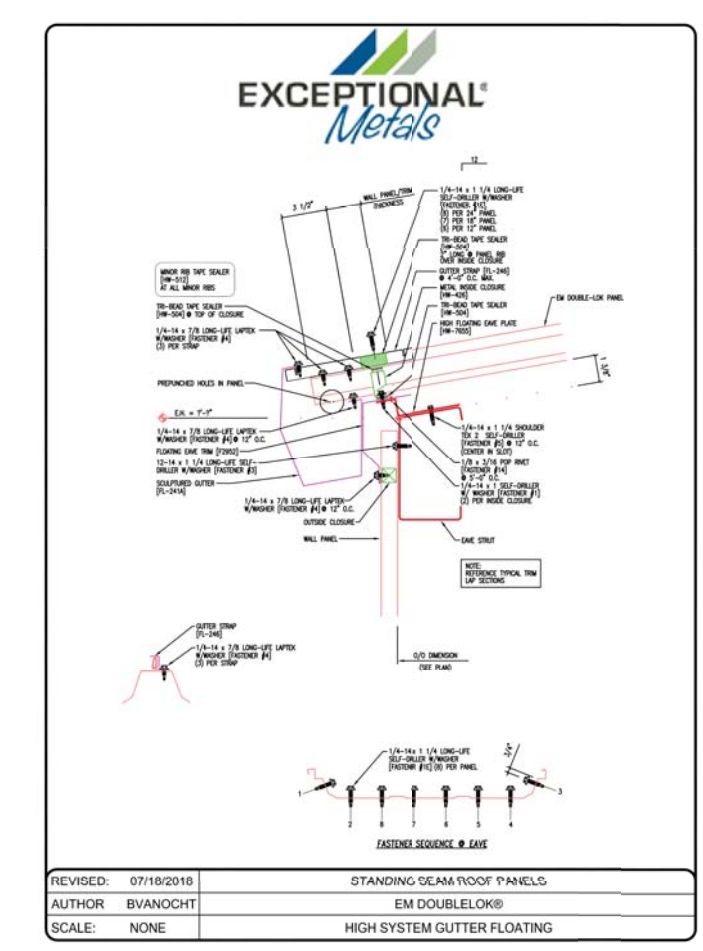
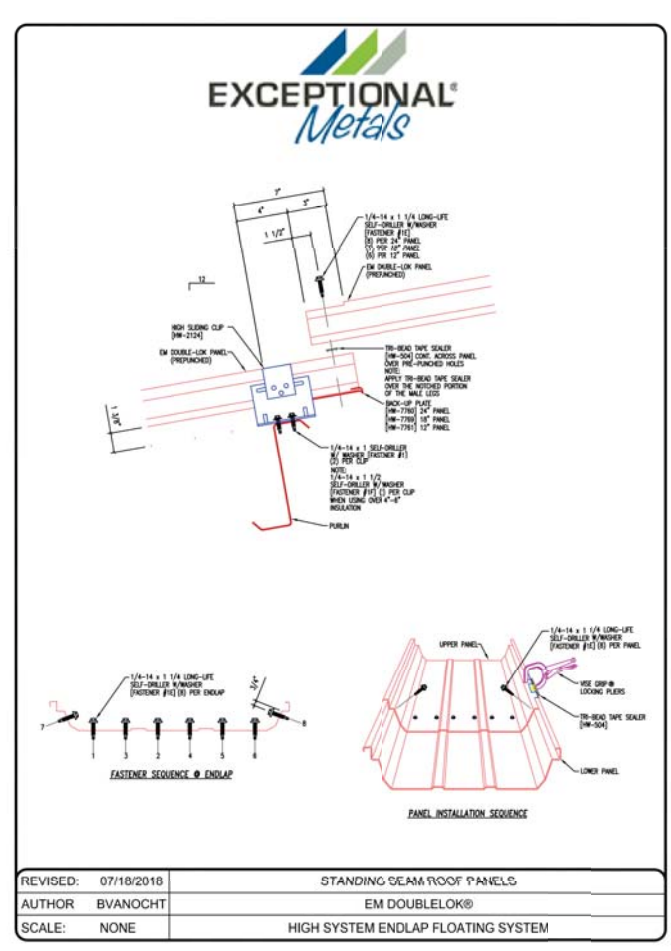
MANUFACTURER  
DRAWINGS

A NEW RENOVATION  
FOR  
**ORANGE BEACH MEDICAL ARTS**  
Highway 161  
ORANGE BEACH, ALABAMA

JOB NO.:  
DRAWN: CLT  
CHECKED: SBM  
DATE: 2022.08.22  
REVISION:

SCALE: 3" = 1'-0"

SHEET NO.:  
**A1.2**  
ALTERNATE 1 LOW ROOF  
DETAILS



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