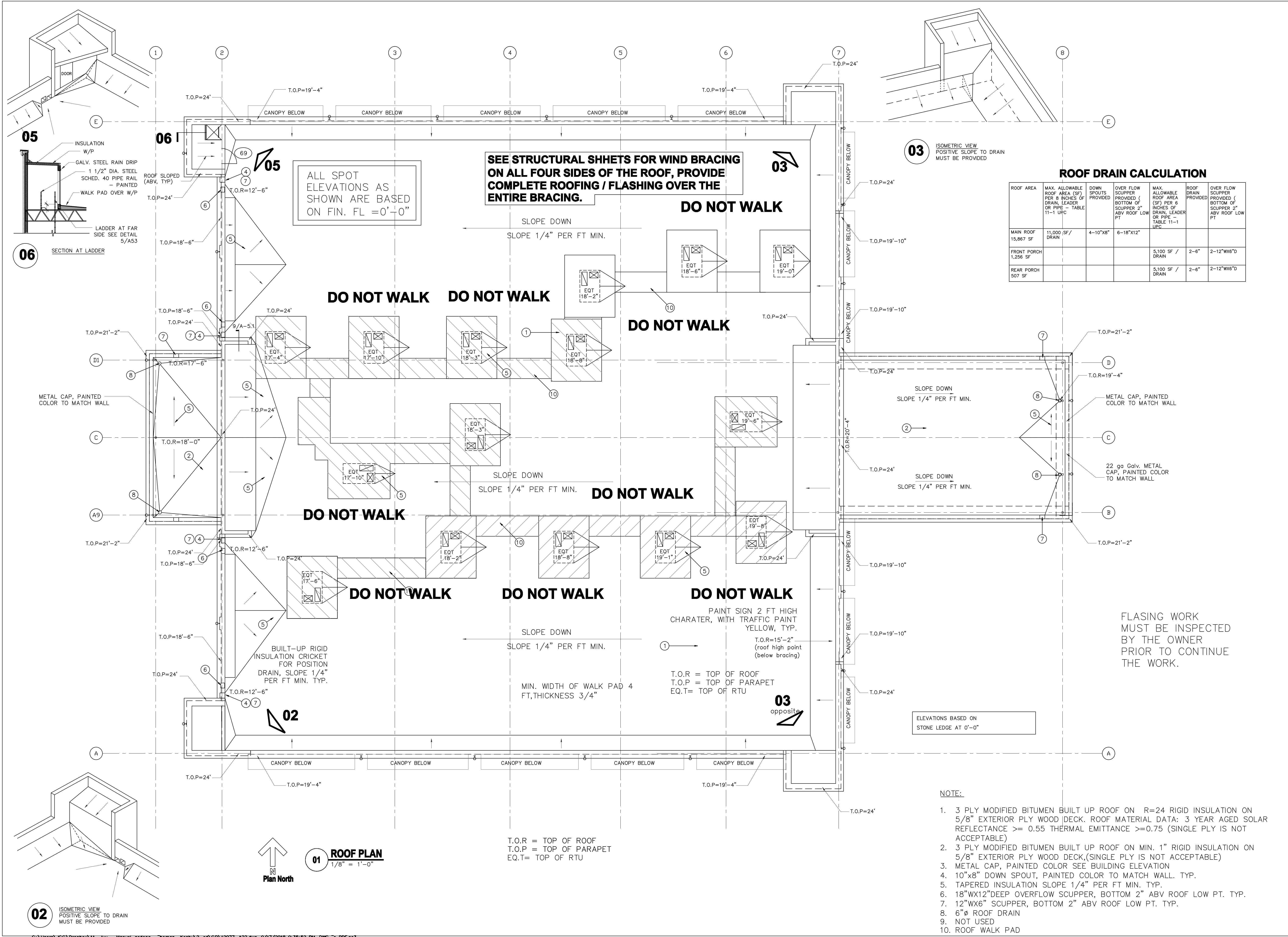


REVISIONS AND ISSUANCE		
NO.	DATE	DESCRIPTION
1	08/13/2017	PRICING addendum 1
2	08/30/2018	PERMIT

**IVY KIDS EARLY LEARNING CENTER**  
**4434 CR 94**  
**Manvel, Tx 77578**

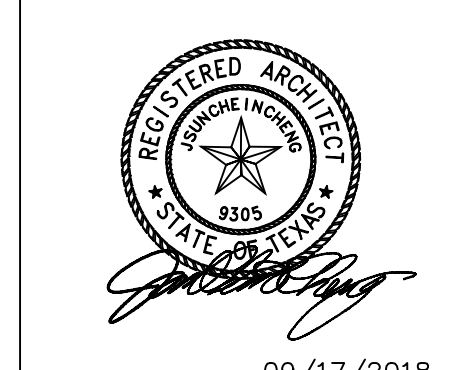


**ROOF DRAIN CALCULATION**

ROOF AREA	MAX. ALLOWABLE ROOF AREA (SF) PER 8 INCHES OF DRAIN, LEADER OR PIPE - TABLE 11-1 UPC	DOWN SPOUTS PROVIDED	OVER FLOW SCUPPER PROVIDED ( BOTTOM OF SCUPPER 2\"/>		
MAIN ROOF 15,867 SF	11,000 SF / DRAIN	4-10"x8"	6-18"x12"		
FRONT PORCH 1,256 SF				5,100 SF / DRAIN	2-6" 2-12"Wx6"D
REAR PORCH 507 SF				5,100 SF / DRAIN	2-6" 2-12"Wx6"D

FLASING WORK MUST BE INSPECTED BY THE OWNER PRIOR TO CONTINUE THE WORK.

- NOTE:**
- 3 PLY MODIFIED BITUMEN BUILT UP ROOF ON R=24 RIGID INSULATION ON 5/8" EXTERIOR PLY WOOD DECK. ROOF MATERIAL DATA: 3 YEAR AGED SOLAR REFLECTANCE >= 0.55 THERMAL EMITTANCE >=0.75 (SINGLE PLY IS NOT ACCEPTABLE)
  - 3 PLY MODIFIED BITUMEN BUILT UP ROOF ON MIN. 1" RIGID INSULATION ON 5/8" EXTERIOR PLY WOOD DECK.(SINGLE PLY IS NOT ACCEPTABLE)
  - METAL CAP, PAINTED COLOR SEE BUILDING ELEVATION
  - 10"x8" DOWN SPOUT, PAINTED COLOR TO MATCH WALL. TYP.
  - TAPERED INSULATION SLOPE 1/4" PER FT MIN. TYP.
  - 18"WX12"DEEP OVERFLOW SCUPPER, BOTTOM 2" ABV ROOF LOW PT. TYP.
  - 12"WX6" SCUPPER, BOTTOM 2" ABV ROOF LOW PT. TYP.
  - 6"Ø ROOF DRAIN
  - NOT USED
  - ROOF WALK PAD



DRAWING TITLE	
<b>ROOF PLAN</b>	
DRAWN BY	CHECKED BY
DATE	JOB NO.
DRAWING NO.	

**A-2.2**

**02** ISOMETRIC VIEW POSITIVE SLOPE TO DRAIN MUST BE PROVIDED

**01** **ROOF PLAN**  
1/8" = 1'-0"  
↑  
Plan North

T.O.R = TOP OF ROOF  
T.O.P = TOP OF PARAPET  
EQ.T= TOP OF RTU

**05** INSULATION W/P GALV. STEEL RAIN DRIP 1 1/2" DIA. STEEL SCHED. 40 PIPE RAIL - PAINTED WALK PAD OVER W/P LADDER AT FAR SIDE SEE DETAIL 5/A53

**06** SECTION AT LADDER

ALL SPOT ELEVATIONS AS SHOWN ARE BASED ON FIN. FL = 0'-0"

SEE STRUCTURAL SHHETS FOR WIND BRACING ON ALL FOUR SIDES OF THE ROOF, PROVIDE COMPLETE ROOFING / FLASHING OVER THE ENTIRE BRACING.

**03** ISOMETRIC VIEW POSITIVE SLOPE TO DRAIN MUST BE PROVIDED

ELEVATIONS BASED ON STONE LEDGE AT 0'-0"