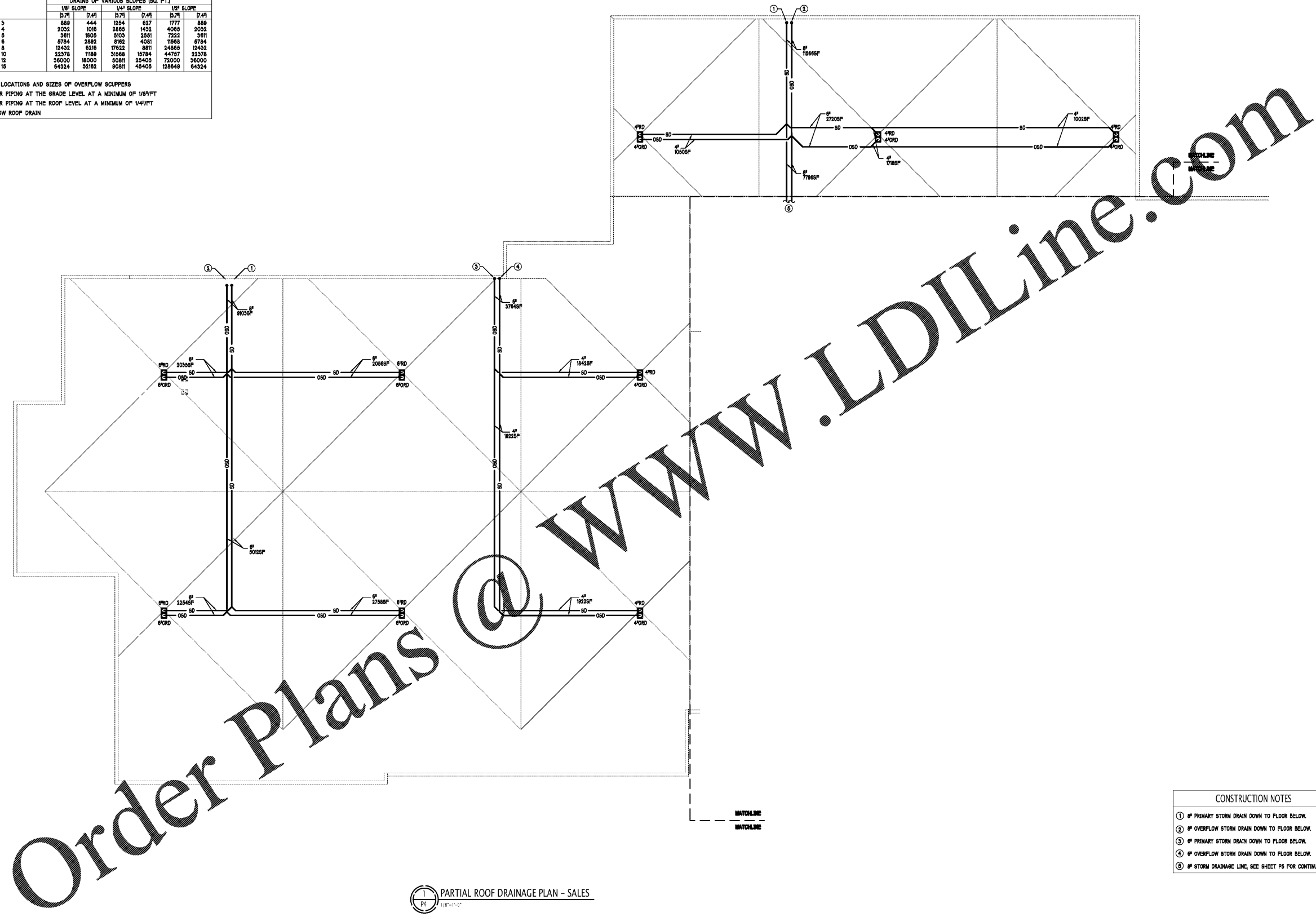


Sheet Template ID: CREF-07-B  
 File: Z:\Projects\4802\_South Charlotte Hyundai\4802-P4\_PARTIAL ROOF DRAINAGE PLAN SALES, Plotfile: 3/1/2020 4:28 PM by ALEX E. LEVEN; Sheet: 3/1/2020 4:13 PM by DPAIVE

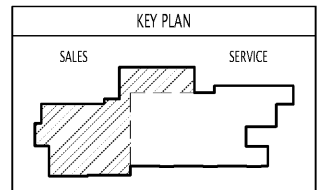
SIZING OF STORM DRAINAGE PIPING										
LOCATION:		PINEVILLE, NC								
PRIMARY RAINFALL RATE:		100 YEAR MIN PERIOD/37 IN/HR								
SECONDARY RAINFALL RATE:		100 YEAR MIN PERIOD/17.4 IN/HR								
SIZE OF VERTICAL LEADERS		SIZE OF HORIZONTAL STORM DRAINS								
TABLE 1106.2		TABLE 1106.3								
LEADER DIA. (IN)	ROOF AREA (SQ. FT.)		HORIZ. DIA. (IN)	MAXIMUM PROJECTED ROOF AREA FOR DRAINS OF VARIOUS SLOPES (SQ. FT.)						
	(3/4)	(7/8)		1/8" SLOPE		1/4" SLOPE		1/2" SLOPE		
			(3/4)	(7/8)	(3/4)	(7/8)	(3/4)	(7/8)	(3/4)	(7/8)
2	778	392	3	889	444	1254	627	1777	888	
2.5	1410	705	4	2032	1016	2865	1432	4085	2032	
3	2378	1188	5	3611	1805	5103	2551	7222	3611	
4	4870	2435	6	5784	2882	8162	4081	11668	5784	
5	8349	4174	8	12432	6216	17822	8811	24885	12432	
6	14589	7295	10	22378	11189	31568	15784	44787	22378	
8	31581	15790	12	36000	18000	50811	25405	72000	36000	
			15	64324	32162	90811	45405	128648	64324	

- NOTES:  
 1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SIZES OF OVERFLOW SCUPPERS  
 2. SLOPE ALL HORIZONTAL RAIN LEADER PIPING AT THE GRADE LEVEL AT A MINIMUM OF 1/8"/FT  
 3. SLOPE ALL HORIZONTAL RAIN LEADER PIPING AT THE ROOF LEVEL AT A MINIMUM OF 1/4"/FT  
 4. SECONDARY = EMERGENCY = OVERFLOW ROOF DRAIN



1 PARTIAL ROOF DRAINAGE PLAN - SALES  
 1/8" = 1'-0"

- CONSTRUCTION NOTES
- ① 6" PRIMARY STORM DRAIN DOWN TO FLOOR BELOW.
  - ② 6" OVERFLOW STORM DRAIN DOWN TO FLOOR BELOW.
  - ③ 6" PRIMARY STORM DRAIN DOWN TO FLOOR BELOW.
  - ④ 6" OVERFLOW STORM DRAIN DOWN TO FLOOR BELOW.
  - ⑤ 6" STORM DRAINAGE LINE, SEE SHEET P5 FOR CONTINUATION.



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Revisions:  

Number	Date	Description

Project Title:  
**SOUTH CHARLOTTE HYUNDAI**

Project No.: **4802.00**

Drawing Title:  
**PARTIAL ROOF DRAINAGE PLAN - SALES**

SET ISSUE DATE  
 ▶ MAR 4, 2020 ◀

Sheet:  
**P4**