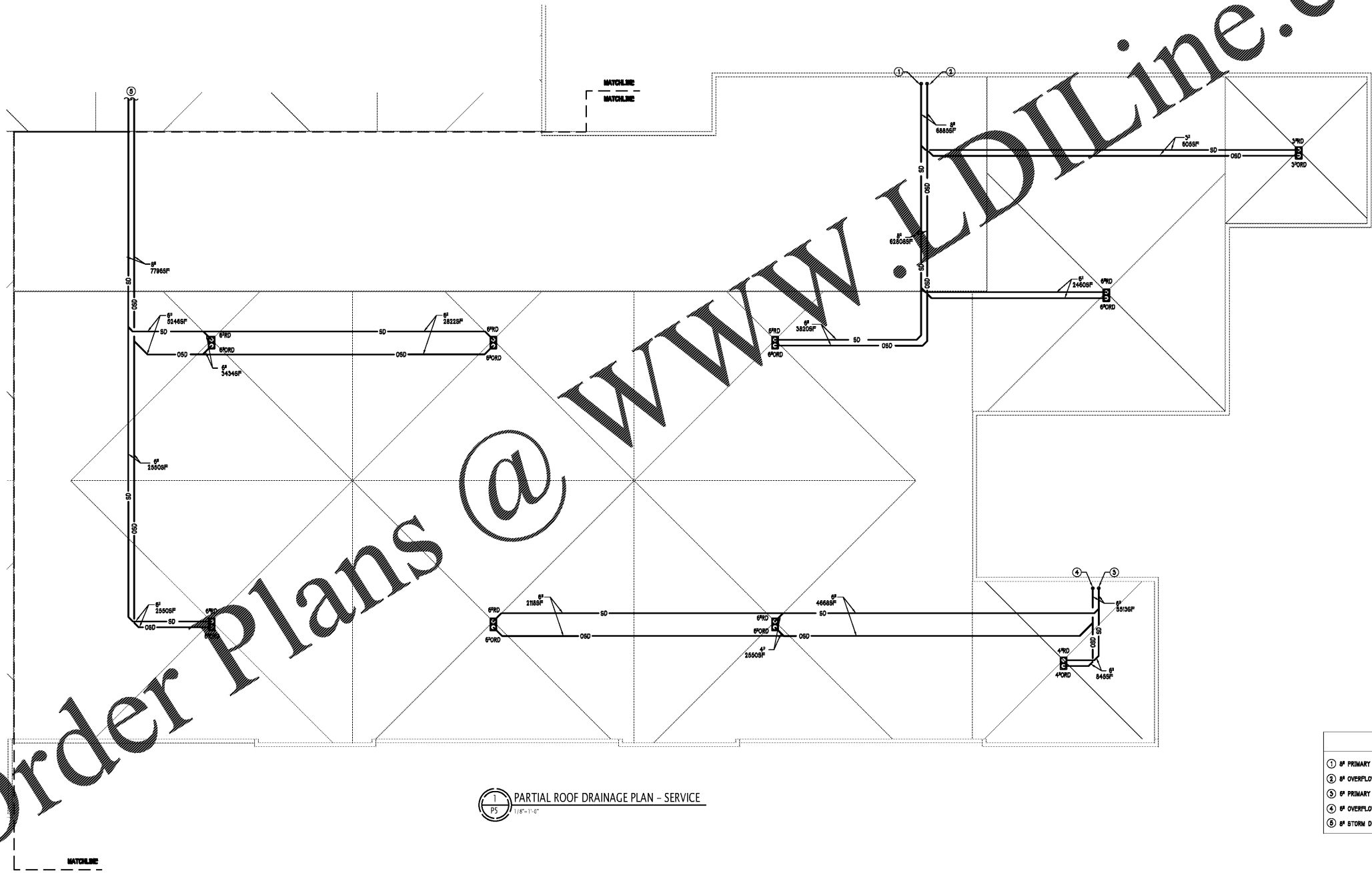


Sheet Template ID: CREF-07-B
 File: Z:\Projects\4802_South Charlotte Hyundai Redesign\4802PS PARTIAL ROOF DRAINAGE PLAN SERVICE; Plot: 3/1/2020 4:28 PM by ALEX E. LEVEN; Saved: 3/1/2020 4:13 PM by DPAYNE

SIZING OF STORM DRAINAGE PIPING									
LOCATION:		PINEVILLE, NC							
PRIMARY RAINFALL RATE:		100 YEAR MIN PERIOD 3.7 IN/HR							
SECONDARY RAINFALL RATE:		100 YEAR MIN PERIOD 1.74 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%)	(7.4%)		1/8" SLOPE	1/4" SLOPE	1/2" SLOPE	3/4" SLOPE	1" SLOPE	
2	778	392	3	889	444	1254	627	1777	888
2.5	1410	705	4	2032	1016	2865	1432	4085	2032
3	2378	1189	5	3611	1805	5103	2551	7222	3611
4	4870	2435	6	5784	2892	8162	4081	11668	5784
5	8349	4174	8	12432	6216	17822	8811	24885	12432
6	14569	7285	10	22378	11189	31568	15784	44767	22378
8	31581	15790	12	56000	28000	80811	40405	120000	56000
			15	84324	42162	120811	60405	180848	84324

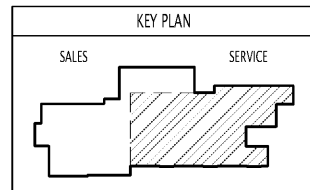
- NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SIZES OF OVERFLOW SCUPPERS
 - SLOPE ALL HORIZONTAL RAIN LEADER PIPING AT THE GRADE LEVEL AT A MINIMUM OF 1/8" / FT
 - SLOPE ALL HORIZONTAL RAIN LEADER PIPING AT THE ROOF LEVEL AT A MINIMUM OF 1/4" / FT
 - SECONDARY = EMERGENCY = OVERFLOW ROOF DRAIN



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

- CONSTRUCTION NOTES**
- 1" P/RO PRIMARY STORM DRAIN DOWN TO FLOOR BELOW.
 - 2" P/RO OVERFLOW STORM DRAIN DOWN TO FLOOR BELOW.
 - 3" P/RO PRIMARY STORM DRAIN DOWN TO FLOOR BELOW.
 - 4" P/RO OVERFLOW STORM DRAIN DOWN TO FLOOR BELOW.
 - 5" P/RO STORM DRAINAGE LINE; SEE SHEET P4 FOR CONTINUATION.



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Number	Date	Description

Project Title:
SOUTH CHARLOTTE HYUNDAI

Project No: **4802.00**

Drawing Title:
PARTIAL ROOF DRAINAGE PLAN - SERVICE

SET ISSUE DATE
 ▶ MAR 4, 2020 ◀

Sheet:
P5