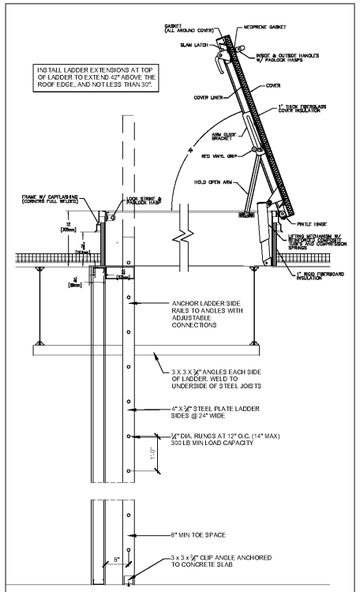
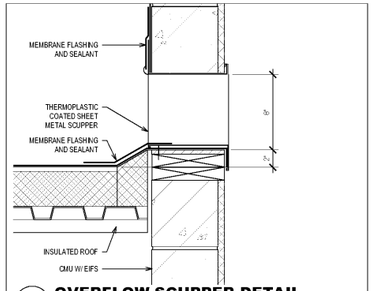
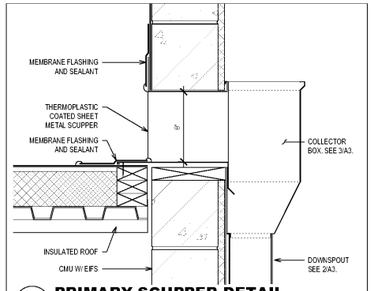


9 **SECTION @ ROOF HATCH / LADDER**
- 1/2" = 1'-0"

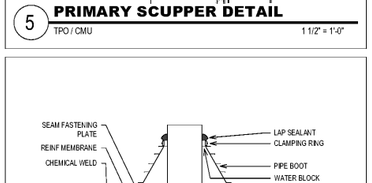


7 **OVERFLOW SCUPPER DETAIL**
TPO / CMU 1 1/2" = 1'-0"

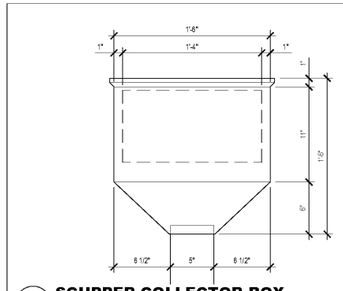
8 **NOT USED**
- -



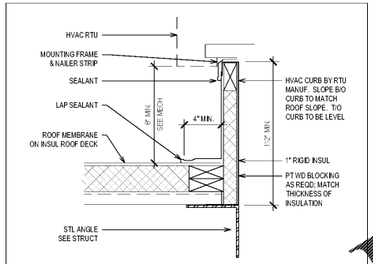
5 **PRIMARY SCUPPER DETAIL**
TPO / CMU 1 1/2" = 1'-0"



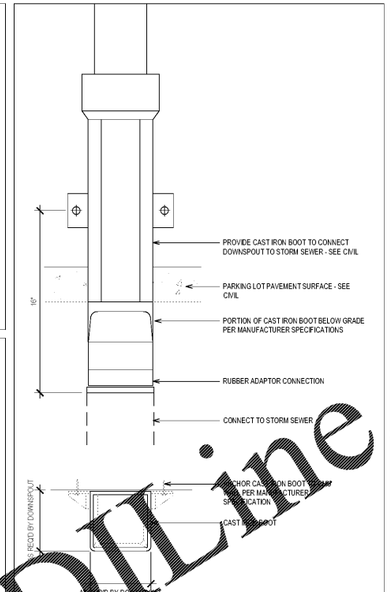
6 **ROOF PIPE PENETRATION**
DETAIL 1 1/2" = 1'-0"



3 **SCUPPER COLLECTOR BOX**
DETAIL 1 1/2" = 1'-0"



4 **MECHANICAL ROOF CURB**
DETAIL 1 1/2" = 1'-0"

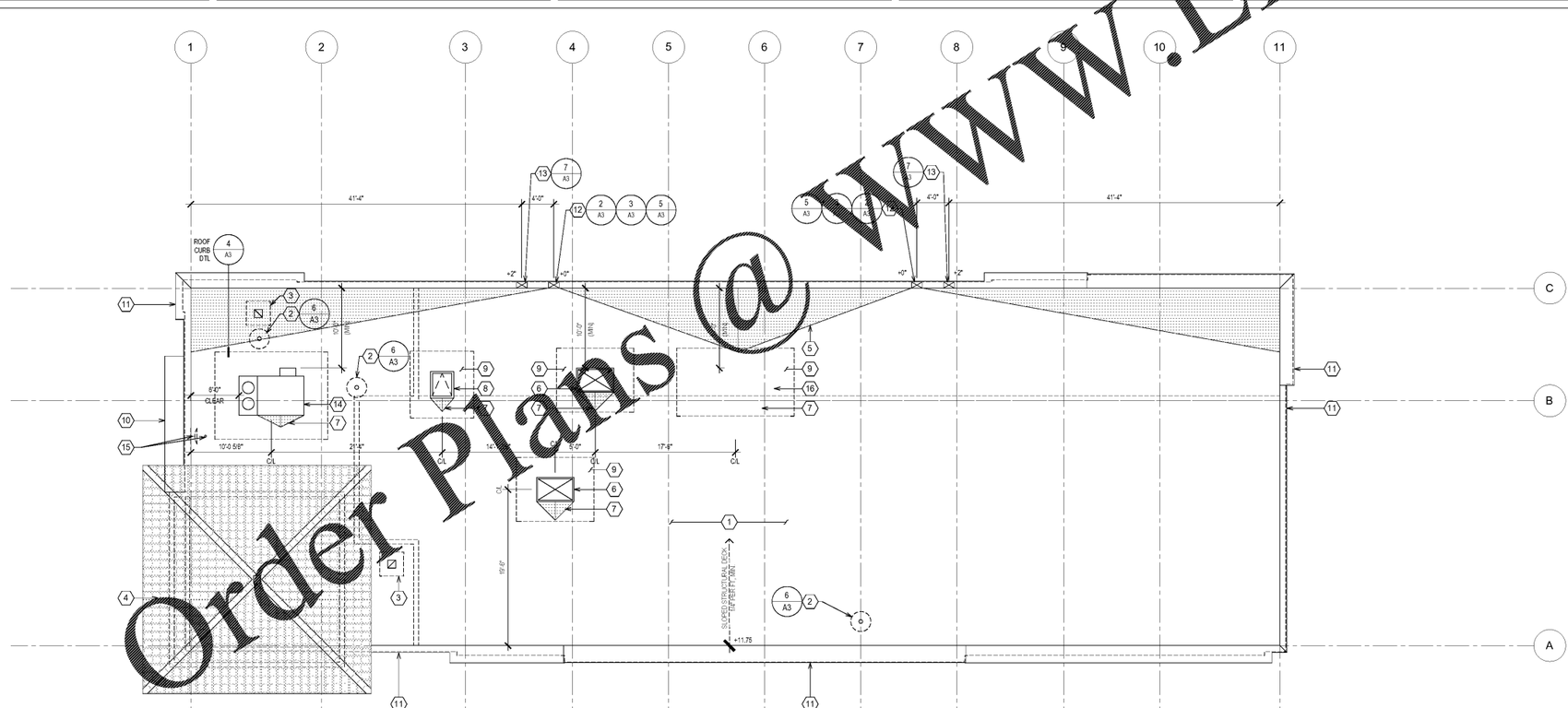


10 **DOWNSPOUT GUARD**
DETAIL 1 1/2" = 1'-0"

ROOF PLAN NOTES

GENERAL NOTES

1. T/O ROOF ELEVATION = T/O INSULATION
2. ROOF DRAIN SCUPPER WITH DOWNSPOUT AND CONDUCTOR HEAD TO PROVIDE PRIMARY ROOF DRAINAGE. OVERFLOW SCUPPERS PROVIDED AS SECONDARY DRAINAGE SYSTEM.



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ROOF DRAINAGE CALCULATIONS

SCUPPER DRAIN W/ VERTICAL LEADERS DISCHARGE

HORIZONTAL ROOF SURFACE:	8,075 SF
VERTICAL ROOF SURFACE:	NOT INCLUDED
TOTAL PROJECTED ROOF AREA:	8,075 SF
100 YEAR 1-HOUR RAIN FALL RATE:	4.5" PER HOUR
REQD GPM BASED UPON ROOF AREA:	0.0104 X 4.5" X 8,075 SF = 284 GPM REQUIRED
VERTICAL LEADER SIZE:	5" X 6"
LEADER CAPACITY:	563 GPM X 2 LEADERS = 1,126 GPM PROVIDED
REQUIRED SCUPPER SIZE:	8" HIGH X 14" WIDE MIN (4" MIN HEAD)
REQUIRED OVERFLOW SCUPPER SIZE:	EQUAL TO PRIMARY

KEYED NOTES

1. THERMOPLASTIC (TPO) ROOFING MEMBRANE OVER POLY-ISO INSULATION ON MTL ROOF DECK. (R-25± MIN)
2. VENT PIPE THROUGH ROOF (VTR) STRUCTURE AND MEMBRANE, SEE MECH. COORDINATE ACTUAL LOCATION IN FIELD.
3. EXHAUST THROUGH ROOF STRUCTURE AND MEMBRANE, SEE MECH. COORDINATE ACTUAL LOCATION IN FIELD.
4. CLAY TILE ROOFING.
5. TAPERED INSULATION, (SHOWN HATCHED)
6. AIR INTAKE VENT, SEE MECH. COORD ACTUAL LOCATION IN FIELD.
7. INSULATION CRICKET TO PROVIDE POSITIVE DRAINAGE AROUND ROOF-TOP EQUIPMENT. (SHOWN HATCHED)
8. 30" X 36" ROOF ACCESS HATCH. SEE WALL SECTIONS.
9. ROOF TRAFFIC WALKWAY PATH. SEE SPECS.
10. AWNING OR CANOPY ROOF BELOW.
11. PREFIN MTL WALL CAP, COPING, AND FASCIA. SEE EXTERIOR ELEVATIONS FOR FINISH REQUIREMENTS.
12. 8" H X 14" W MIN PRIMARY ROOF SCUPPER WITH 4" Ø MIN LEADER DOWNSPOUT.
13. OVERFLOW ROOF SCUPPER. SIZE SHALL MATCH PRIMARY ROOF SCUPPER.
14. ROOF TOP UNIT (RTU), SEE MECH.
15. SATELLITE DISH BY TENANT/VENDOR. MOUNTED TO BACK OF PARAPET. GC TO COORDINATE LOCATION IN FIELD. PROVIDE 1 1/2" GOOSENECK CONDUIT THROUGH ROOF FOR SERVICE VENDOR INSTALLATION.
16. HEAT AND SMOKE VENT, SEE MECH.

1 **ROOF PLAN**
- 1/8" = 1'-0"

NORTH

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PROTOTYPE TEMPLATE:
"NORTHLAKE" 8 BAY INLINE
v.2019.1.08
EXTERIOR MODIFIED FOR AHJ

PROJECT INFORMATION:

TIRE KINGDOM®
STORE 937
SEC OF TAMIAMI TRAIL & SUMTER CROSSING DRIVE
NORTH PORT, FLORIDA 34287

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BID SET
01/10/2020

PROJECT NO.: 2018-1035
DRAWN BY: CJB
CHECKED BY: EKB

ISSUE	DATE
PERMIT PLAN REVIEW	12-AUG-2019
BID SET	09-DEC-2019

REVISION	DATE

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A3