

**Design Notes**

Roof A1

1. Re-Slope 1.5% Min. To Scupper Box c/w open down-pipe at SW corner.
2. Back-Slope as required for positive drainage.

Roof C1

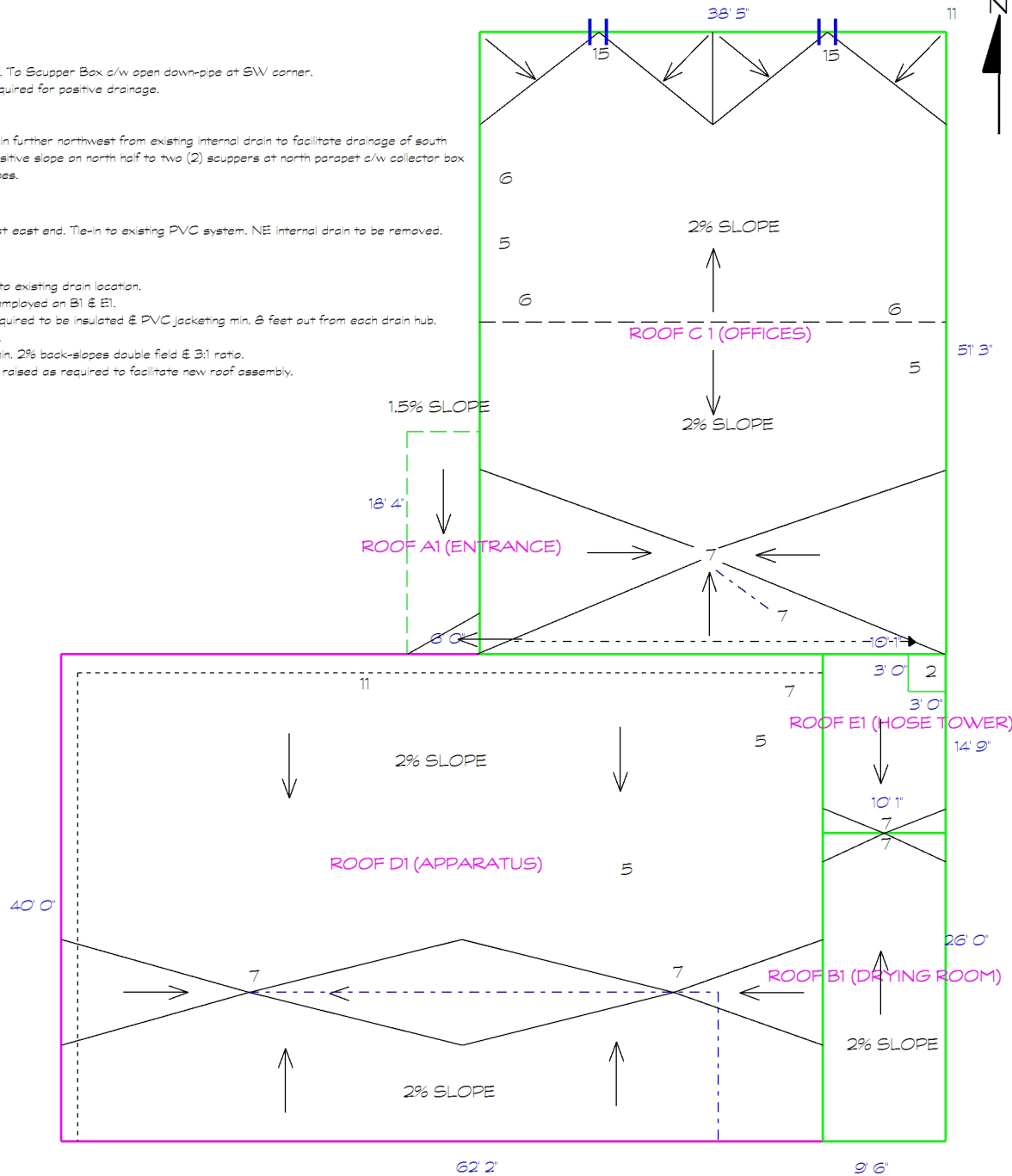
1. Re-locate new drain further northwest from existing internal drain to facilitate drainage of south half of C1. Provide positive slope on north half to two (2) scuppers at north parapet c/w collector box & open-face down-pipes.

Roof D1

1. New internal drain at east end. Tie-in to existing PVC system. NE internal drain to be removed.

Roof E1

1. Provide back-slope to existing drain location.
2. Drain insert to be employed on B1 & E1.
3. All drain lines as required to be insulated & PVC jacketing min. 8 feet out from each drain hub. New lines as required.
4. Typical field slope min. 2% back-slopes double field & 3:1 ratio.
5. All perimeter to be raised as required to facilitate new roof assembly.



**ROOF DRAINAGE PLAN**

**Keynote Legend**

- |                    |                           |
|--------------------|---------------------------|
| 1. CORE SAMPLE     | 19. FLAG POLE             |
| 2. CHIMNEY         | 20. ELECTRICAL MAST       |
| 3. A/C UNIT        | 21. COOLING TOWER         |
| 4. SIGN SUPPORT    | 22. SPLASH PAD            |
| 5. VENTILATOR      | 23. SPLASH PAN            |
| 6. VENT PIPE       | 24. DOWN SPOUT            |
| 7. ROOF DRAIN      | 25. BACK SLOPE            |
| 8. SKYLIGHT        | 26. CANT                  |
| 9. EAVESTROUGH     | 27. SLOPE TO DRAIN        |
| 10. PLUMBING STACK | 28. CRICKET               |
| 11. ANTENNA        | 29. PARAPET/WIDE FLASHING |
| 12. LADDER         | 30. SAFETY LINE ANCHOR    |
| 13. ATTIC VENT     | 31. LIGHT POLES           |
| 14. ROOF HATCH     | 32. GARAGE EXHAUST FAN    |
| 15. SCUPPER        | 33. KITCHEN EXHAUST FAN   |
| 16. PITCH BOX      | 34. GOOSE NECK            |
| 17. HVAC UNIT      | 35. EXHAUST VENT          |
| 18. CAPPED CURB    | 36. OVERFLOW SCUPPER      |

**Legend**

- Gravel Stop Edge
- Wall (12" Wide Coping Stone)
- Wall (14" Wide Coping Stone)
- - - - - Radio Cable & Antenna By Owner
- - - - - E/C Conduit Disengage & Re-Install By Owner
- - - - - Existing PVC Drain Line



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Project **WFPS Firehall # 4**  
**150 Osborne Street, Winnipeg MB**

Client City of Winnipeg

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