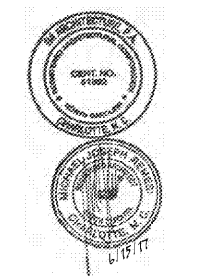


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Revision Date

Drawn By TRB
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Sheet Title
 ROOF PLAN

Sheet Number
A104

PREFABRICATED ENTRY AWNING NOTES:

- PROVIDE SLEEVES ON ALL FASTENERS OF AWNING TO PROVIDE CONSISTENT AND UNIFORM ATTACHMENT THROUGH BUILDING EXTERIOR WALL FINISH - TYP.
- STRUCTURAL ATTACHMENTS AND LOAD CALCULATIONS SHALL BE FURNISHED BY AWNING SYSTEM DESIGNER OF RECORD. SUPPLIERS DESIGNER OF RECORD SHALL DESIGN PER PREVAILING CODES-TYP.
- SYSTEM SHALL ALLOW FOR MOVEMENT AT EXPANSION JOINTS AND FOR MOVEMENT OF EXTERIOR WALL SYSTEM ON WHICH THE AWNING IS MOUNTED.
- AWNING MANUFACTURERS SHALL PROVIDE INSTALLER WITH INSTALLATION INSTRUCTIONS. MANUFACTURER SHALL DESIGN AWNING IN ACCORDANCE WITH THE WALL SYSTEM AND BLOCKING AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
- AWNING IS BY SEPARATE DESIGNER- TYP. THESE DRAWINGS ARE INTENDED FOR COORDINATING AND GRAPHICAL SCOPING ONLY. THIRD PARTY DESIGNER AND SUPPLIER TO PROVIDE COMPLETED SHOP DRAWINGS SEPARATE FROM THESE CONSTRUCTION DRAWINGS TO INDICATE FINAL DESIGN, MEASUREMENTS, CONNECTIONS, AND ANY REQUIRED CALCULATIONS TO ENSURE THAT THE DESIGN AND INSTALLATION MEETS ALL STRUCTURAL AND OTHER BUILDING CODE REQUIREMENTS, AS WELL AS ENSURE ALL PENETRATIONS ARE WATER AND WEATHER TIGHT-TYP.
- AWNING INFORMATION SHOWN IN CONSTRUCTION DOCUMENTS IS FOR DESIGN INTENT ONLY. APPROVED MANUFACTURERS BELOW SHALL PROVIDE A COMPLETE AND CODE COMPLIANT FINAL DESIGN.

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SCUPPER AND DOWNSPOUT SCHEDULE

PRIMARY SCUPPER (S)					
SCUPPER #	ROOF AREA ⁴	GPM CAPACITY	PRVD ^{2,3}	SIZE H" X W"	
S5	5	447	16.3	47.5	4" x 6"
S6	6	613	22.3	47.5	4" x 6"

OVERFLOW SCUPPER (OS)					
OS #	ROOF AREA ⁴	GPM CAPACITY	PRVD ^{2,3}	SIZE H" X W"	
OS5	5	447	32.5	47.5	4" x 6"
OS6	6	613	44.6	47.5	4" x 6"

DOWNSPOUT PER NPCC SECTION 1106.2

DW SPOUT	SCUPPER	ROOF AREA ⁴	SIZE REQ'D ⁵	SIZE PRVD
			W" X L"	W" X L"
D5	S5	447	1 3/4" x 2 1/2"	2" x 4"
D6	S6	613	1 3/4" x 2 1/2"	2" x 4"

NOTES:

- GPM = (0.0104) x RF x SQFT [SMACNA ARCHITECTURAL SHEET METAL MANUAL]
- GPM - GALLONS PER MINUTE
- RF - RAINFALL [NCSPC FIG.1106.1 AND 1106.1(a)]
- SQFT - SQUAREFEET OF ROOF AREA
2. NPCC 2012, FIGURE 1106.5
3. BASED ON 2" HEAD
4. ROOF AREA ADJUSTED VALUE INCLUDES HORIZONTAL AND 1/2 VERTICAL AREAS. SEE ROOF PLAN.
5. FOR 4.0" FROM NPCC 2012 TABLE 1106.2(2)

RAINFALL RATES
 PRIMARY SCUPPERS AND DOWNSPOUTS - 3.5 in [2012 NPCC Figure 1106.1]
 SECONDARY OVERFLOW SCUPPERS - 7.0 in [2012 NPCC Figure 1106.1(a)]

ROOF DRAIN SCHEDULE

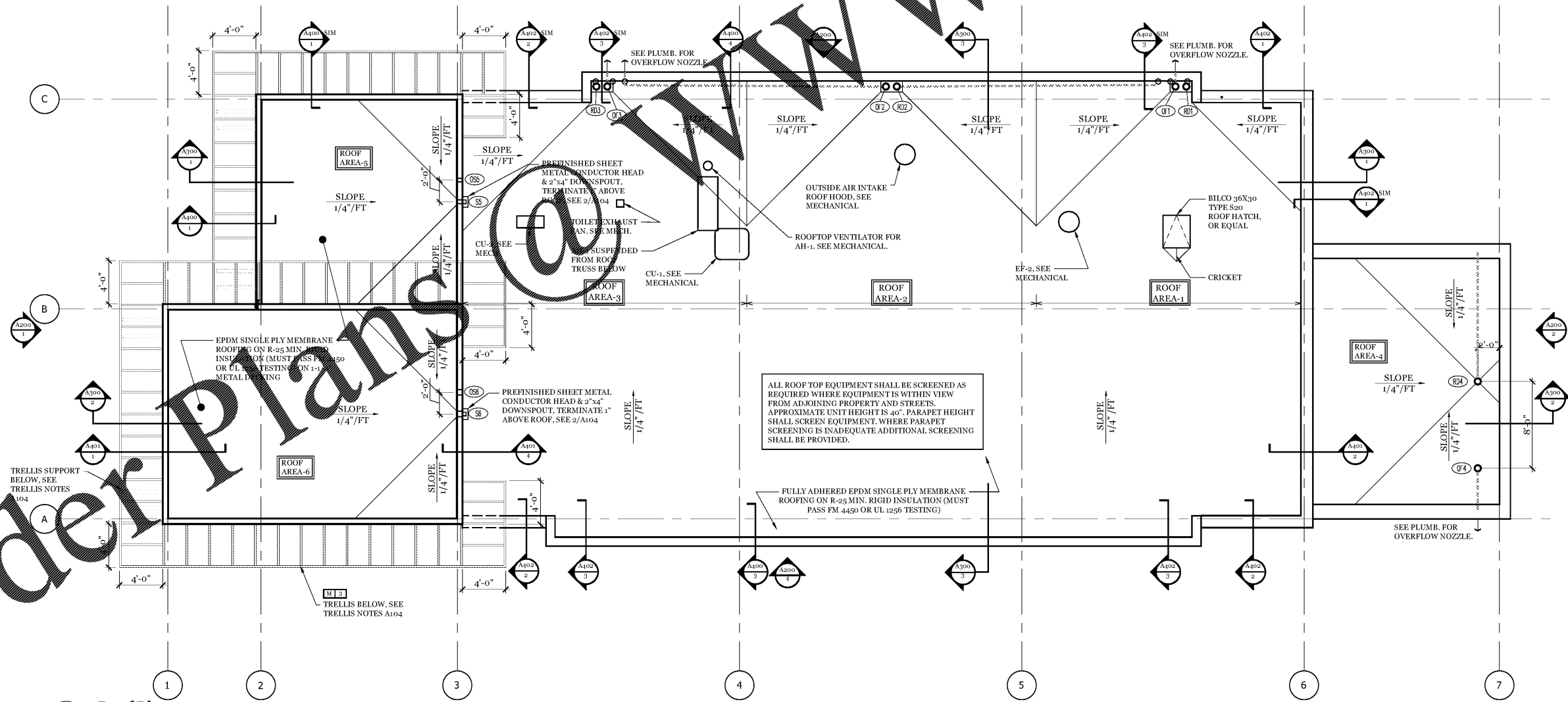
PRIMARY DRAIN (RD)				OVERFLOW DRAIN (OF)					
DRAIN No.	ROOF AREA	LEADER TYPE/SIZE/SLOPE ^{1,2}	MAX. AREA SERVED ³	DRAIN No.	ROOF AREA	LEADER TYPE/SIZE/SLOPE ^{1,2}	MAX. AREA SERVED ³		
RD1	1	1,212	Vert./3in/-- Horiz./3in/ 1/2in:12in	2,665 sqft 1,969 sqft	OF1	1	1,212	Vert./4in/-- Horiz./4in/ 1/2in:12in	2,630 sqft 2,142 sqft
RD2	2	1,286	Vert./3in/-- Horiz./3in/ 1/2in:12in	2,665 sqft 1,969 sqft	OF2	2	1,286	Vert./4in/-- Horiz./4in/ 1/2in:12in	2,630 sqft 2,142 sqft
RD3	3	2,505 ⁴	Vert./4in/-- Horiz./4in/ 1/2in:12in	5,365 sqft 4,385 sqft	OF3	3	2,505 ⁴	Vert./5in/-- Horiz./5in/ 1/2in:12in	4,945 sqft 3,814 sqft
RD4	4	732	Vert./3in/-- Horiz./3in/ 1/2in:12in	2,665 sqft 1,969 sqft	OF4	4	732	Vert./3in/-- Horiz./3in/ 1/2in:12in	1,260 sqft 939 sqft
---	5	447	See Scupper and Downspout Sched.	---	5	447	See Scupper and Downspout Sched.	---	---
---	6	613	See Scupper and Downspout Sched.	---	6	613	See Scupper and Downspout Sched.	---	---

NOTES:

- NPCC 2012, TABLE 1106.2(1): SIZE OF CIRCULAR VERTICAL CONDUCTORS AND LEADERS.
- NPCC 2012, TABLE 1106.3: SIZE OF HORIZONTAL STORM DRAINAGE PIPING.
- VALUES EXTRAPOLATED FROM TABLES 1106.2(1) AND 1106.3 AS REQUIRED FOR RAINFALL RATES INDICATED BELOW.
- ROOF AREA ADJUSTED VALUE INCLUDES HORIZONTAL AND 1/2 VERTICAL AREAS.
- ROOF AREA-3 INCLUDES CONTRIBUTING LOADS FROM ROOF AREA-5 AND AREA-6

RAINFALL RATES
 PRIMARY ROOF DRAIN = 3.5 in [2012 NPCC Figure 1106.1]
 SECONDARY OVERFLOW DRAIN = 7.0 in [2012 NPCC Figure 1106.1(a)]

2 CONDUCTOR HEAD ELEVATION
 1 1/2" = 1'-0"



Roof Plan
 3/16" = 1'-0"

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