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20340

STATE OF NEW YORK

REVISION:

△ 50% CD set: 12/20/19

△ 90% CD set: 04/20/20

△ 100% CD set: 07/06/20

△ BID ISSUE: 07/22/20

△ DOB ISSUE: 01/20/21

△ Added detail numbers.

△

# RENNICK LIGHTHOUSE, Lighthouse Park, Roosevelt Island, NY 10044

## STAIR DETAILS

DATE: 4/23/18 PROJECT #: 44701

SCALE: DRAWN BY:

AS NOTED SH

SHEET NUMBER:

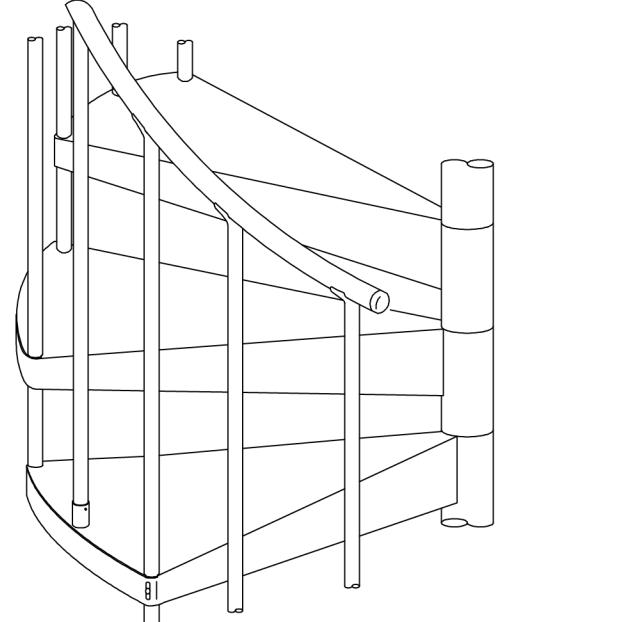
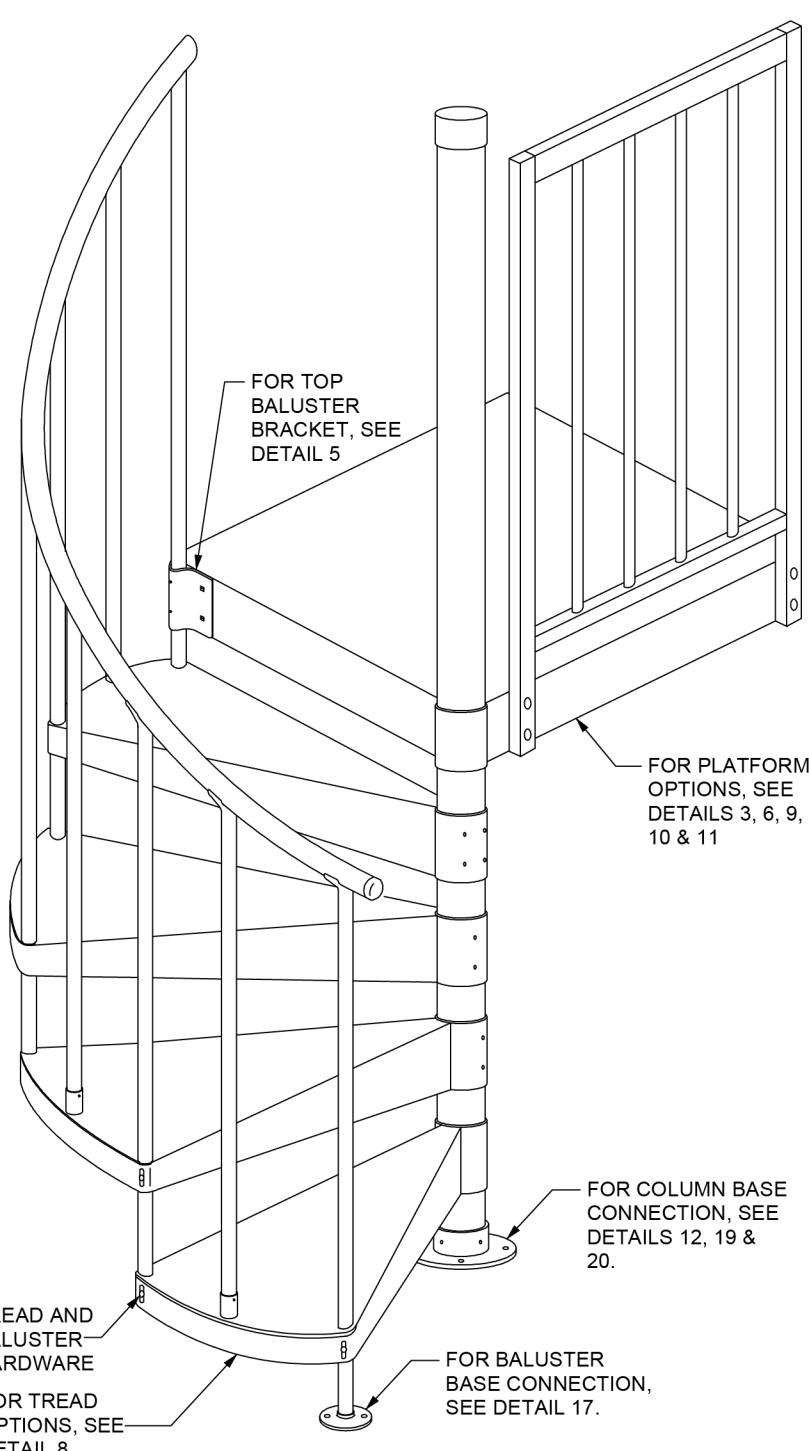
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PAGE NUMBER: 11 of 12

NYC DOB NUMBER: M00449536

**STAIR NOTES:**

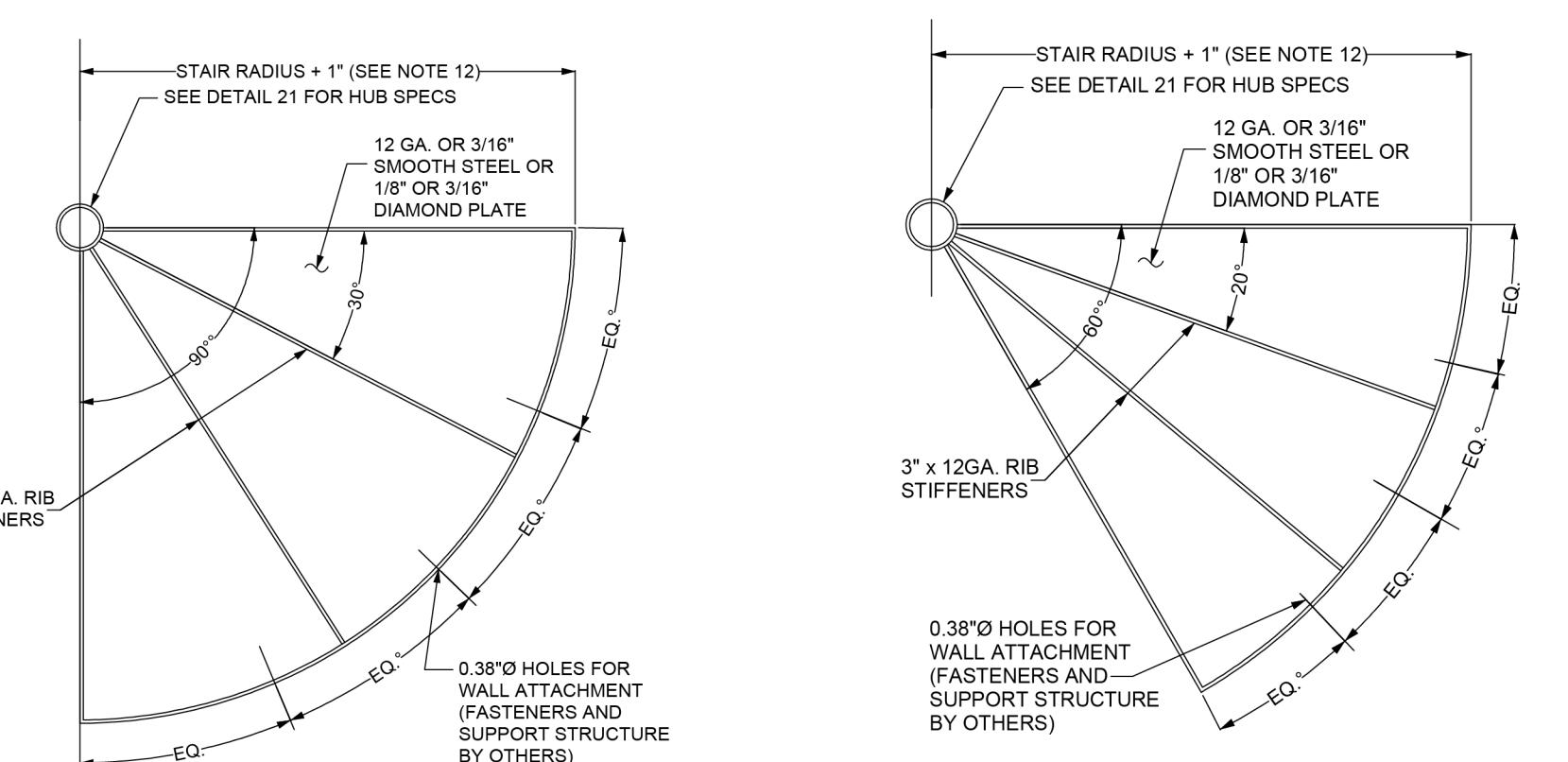
1. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL AND STATE BUILDING CODE REQUIREMENTS.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK BE PERFORMED IN STRICT COMPLIANCE WITH OSHA SAFETY REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION.
4. FOUNDATIONS SHALL REST ON UNDISTURBED SOIL CAPABLE OF A MINIMUM BEARING PRESSURE OF 2,000 PSF. THE ENGINEER SHALL BE NOTIFIED FOR REDESIGN IF THIS MINIMUM VALUE CANNOT BE ATTAINED.
5. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH ACI 318-02, ALL CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS.
6. NO CONCRETE SHALL BE POURED WHEN THE TEMPERATURE IS 40 DEGREES FAHRENHEIT AND FALLING. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE LATEST ACI CODE.
7. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN AN AIR ENTRAINED ADMIXTURE CONFORMING TO ASTM A 185.
8. ALL REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60. ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A 185.
9. ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL CONFORM TO AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" NINTH EDITION, AND AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION". ANCHOR BOLTS SHALL BE ASTM A 307, ALL STEEL SHALL BE CLEANED OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS.
10. ALL SHOP AND FIELD WELDING SHALL CONFORM WITH AWS D1.1-03 SPECIFICATIONS. ALL FIELD BOLTS SHALL BE ASTM A 325.
11. ALL WOOD FRAMING SHALL CONFIRM TO THE RECOMMENDED PRACTICE OF THE NATIONAL SPECIFICATION OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
12. CUSTOM OPTIONS ARE AVAILABLE FOR PLATFORMS, TREADS AND RAILS. TYPICAL WIDTH OF ALL PLATFORMS IS ONE INCH LARGER THAN THE RADIUS OF THE STAIRS; HOWEVER, CUSTOM SIZES ARE AVAILABLE. CUSTOM PIECES FOR ALL ASPECTS OF THE STAIR CAN BE CREATED.



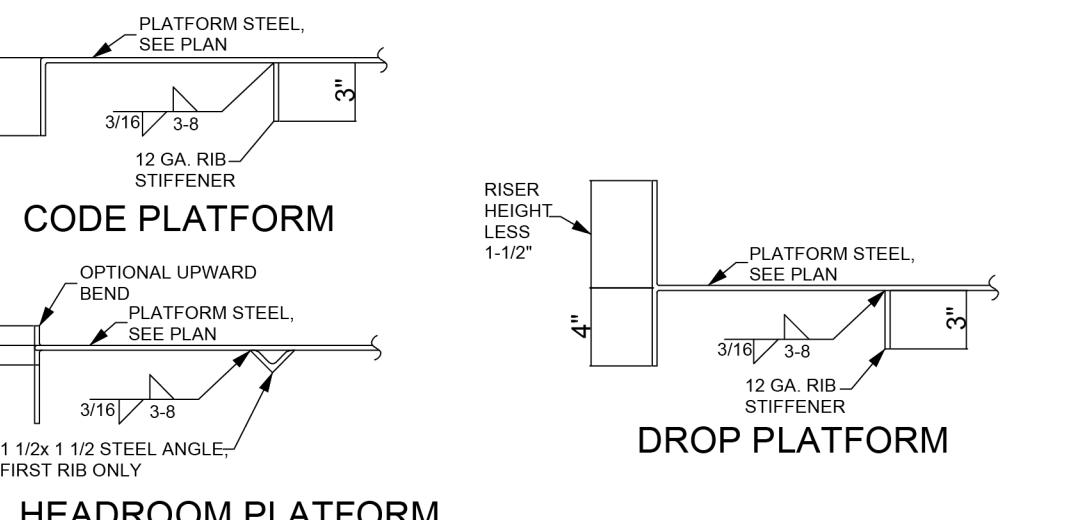
CONTINUOUS SLEEVE STAIR

1 STEEL SPIRAL STAIR ISOMETRIC

2 90° "CURVED" PLATFORM PLAN

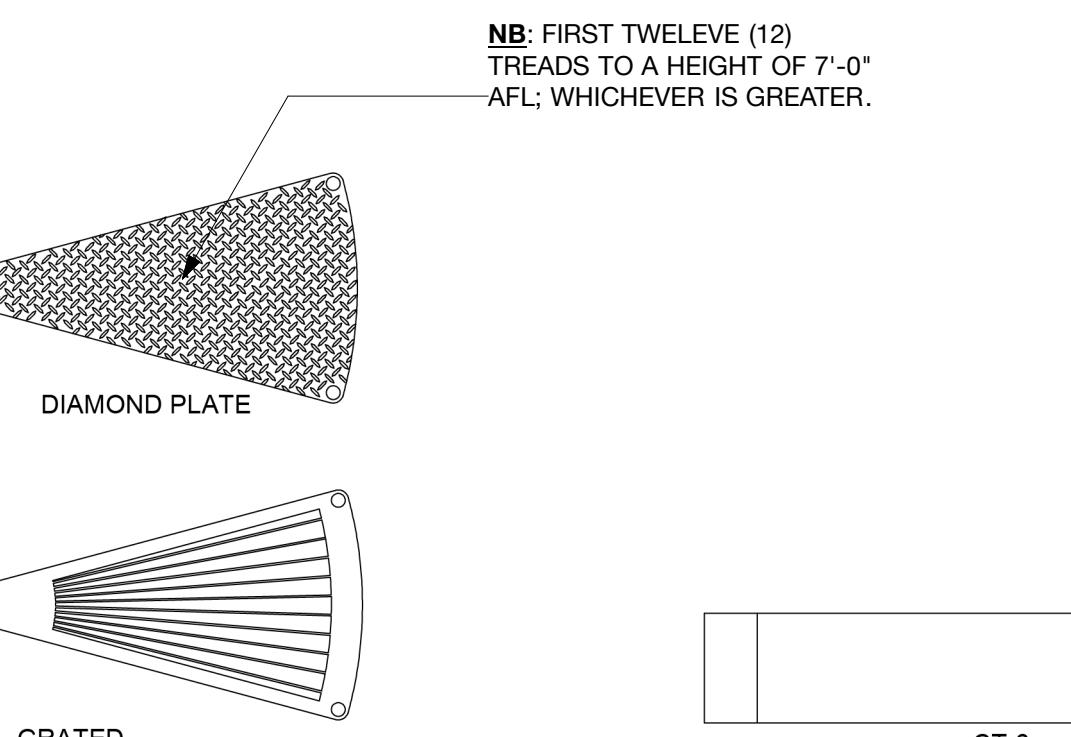


3 60° "CURVED" PLATFORM PLAN



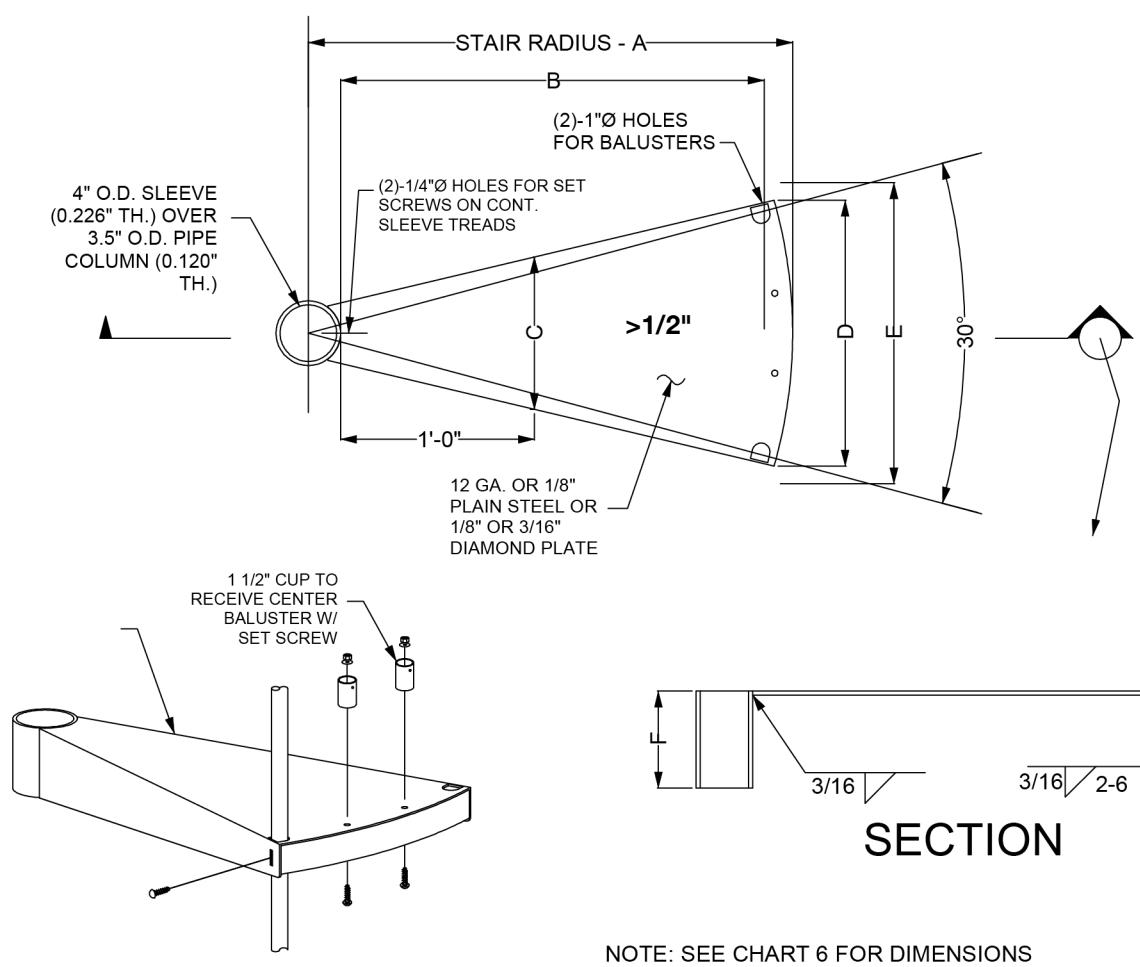
4 MAX. HEADROOM PLATFORM

5 PLATFORM SECTION

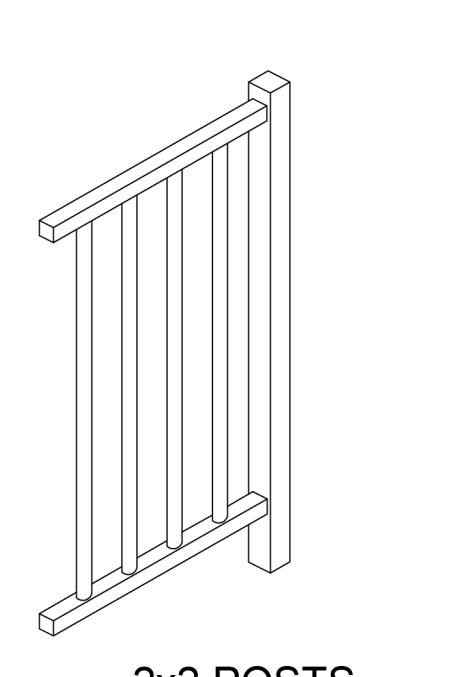


6 TREAD TOPS

7 TREAD PROFILE



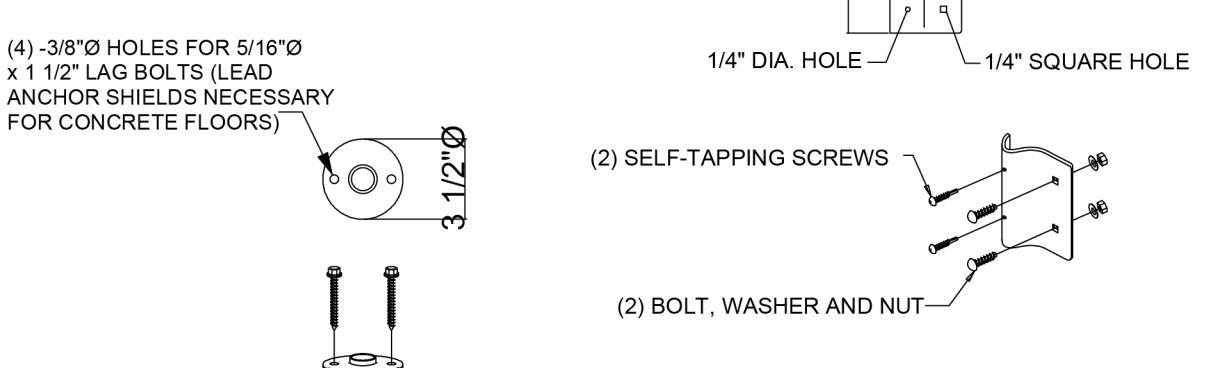
8 TREAD END PLAN



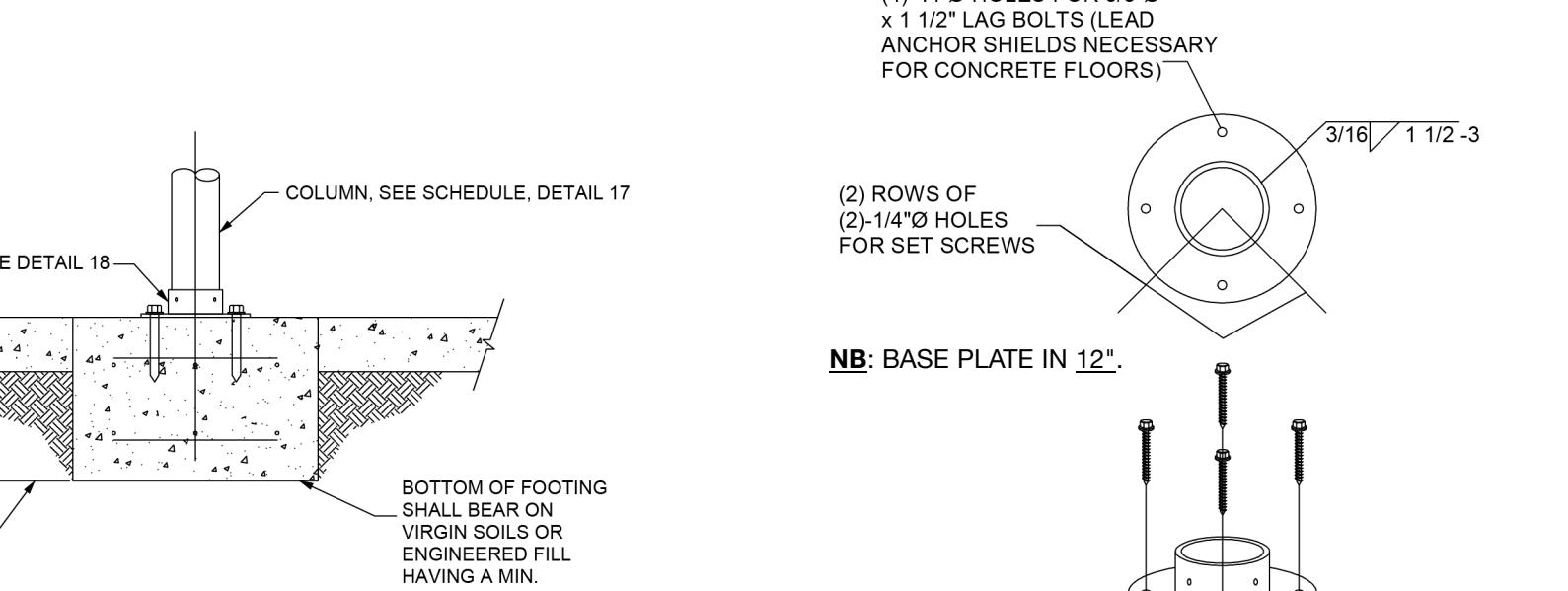
NOTE: SEE CHART 6 FOR DIMENSIONS

9 RAILING

10 BALUSTER TIP

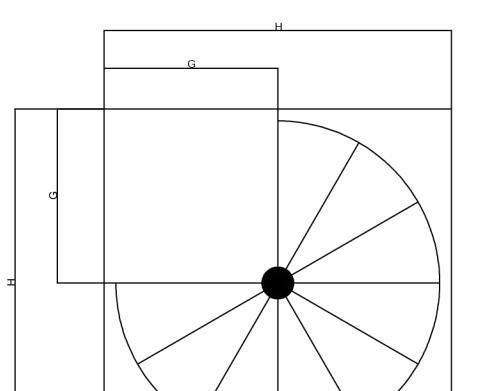


11 TOP BALUSTER BRACKET



12 FOUNDATION COLUMN BASE

13 POST BASE PLATE



A = TREAD RADIUS  
 B = CLEAR WALKING PATH  
 C = TRUE TREAD DEPTH  
 D = STEEL TREAD WIDTH  
 E = WOOD COVER WIDTH  
 F = HUB HEIGHT  
 G = PLATFORM SIZE  
 H = RECOMMENDED FINISHED WELL OPENING  
 I = TREAD OVERHANG

1B TREAD SIZES &amp; DIMENSION CHART

COLUMNS			
O.D.	I.D.	WALL THICK	MATERIAL
3.5"	3.25"	0.120"	TUBE
3.5"	3.068"	0.216"	SCH'D 40 PIPE
3.5"	2.9"	0.300"	SCH'D 80 PIPE
6"	5.625"	0.188"	TUBE
6.625"	6.065"	0.280"	SCH'D 40 PIPE

HUBS			
O.D.	I.D.	WALL THICK	MATERIAL
4"	3.56"	0.220"	TUBE

1C COLUMN &amp; HUB SCHEDULE