



- 1 ALL DIMENSIONS ARE FROM 11/15/78 FINNELL DRAWING NO.1, CONTRACT B6333748.
- 2 COLUMNS 44-51: HEAD SPACING IS 8.4' x 10' = 84 FT<sup>2</sup> (AVERAGE)
- 3. COLUMNS 36-44: HEAD SPACING IS 8.4' x 10' = 84 FT<sup>2</sup> (AVERAGE)
- 4. EXISTING 3" & 4" PIPE IS SCHEDULE 10, PIPE 2" AND SMALLER IS SCHEDULE 40.
- 5. HEADS ARE ON AVERAGE 0'-8" SPACINGS EXCEPT BAY 44-46 WHICH HAS 1'-0" SPACINGS
- 6. EXISTING SPRINKLERS TO REMAIN, 1/2", 28°F.

222 HYDRAULIC CALCULATION NODE @ UPRIGHT 1/2" SPRINKLER ON 1" BRIC-UP

18-5 ELEVATION ABOVE FINISHED FLOOR

RN RISER NIPPLE ◊ CM CROSS MAIN  
 BL BRANCH LINE B/RN BOTTOM OF RISER NIPPLE  
 T/RN TOP OF RISER NIPPLE CDJ CUT ON JOB  
 BDR BASE OF RISER

FOR REINFORCING TO PROVIDE 0.30/48DO WITH A DEMAND OF 1542 GPM @ 122 PSI BDR

- 1 ADD 4" GALVANIZED SCHED 10 TO TIE THE BLs TOGETHER FROM COLS 44 TO 51
- 2 HANG NEW 4" TIGHT TO BOTTOM OF EAST-WEST CLU LAM BEAM USING EITHER:
  - a. ADJUSTABLE SWIVEL RING ON MIN. 3/8" ROD WITH 1/2" x 3" LAG SCREW, DR
  - b. U-HOOKS WITH 1/2" x 3" LAG SCREW AT EACH FLANGE.
- 3 HANGER FASTENERS TO BE NO CLOSER THAN 3" FROM BOTTOM OF CLU-LAM. FASTENER HOLES TO BE PRE-DRILLED
- 4 PROVIDE ONE HANGER BETWEEN EACH TWO BRANCH LINES
- 5 FITCH 4" PIPE 1/4" PER 10' DOWN TOWARDS THE SOUTH WALL AND PROVIDE DRAIN VALVE ON SOUTH WALL
- 6 THE NEW 4" INTO EXISTING BL WITH 1-1/2" SCHEDULE 10 RISER NIPPLE WITH LENGTH TO VARY FROM 2'-3" TO 3'-5"
- 7 CHANGE EXISTING BL PIPE FROM 1-1/4" TO 1-1/2" ON EITHER SIDE OF THE NEW CM TIE-IN
- 8 NO REDUCING BUSHINGS ARE TO BE USED. USE REDUCER COUPLINGS AND FITTINGS ONLY.
- 9 CHANGE EXISTING 3" EAST CROSS MAIN (CM) TO 4" GALVANIZED SCHEDULE 10.
- 10 TIE THE NEW EAST 4" CM INTO BLs USING 1-1/2" SCHEDULE 10 ALL THE WAY TO THE FIRST SPRINKLER.