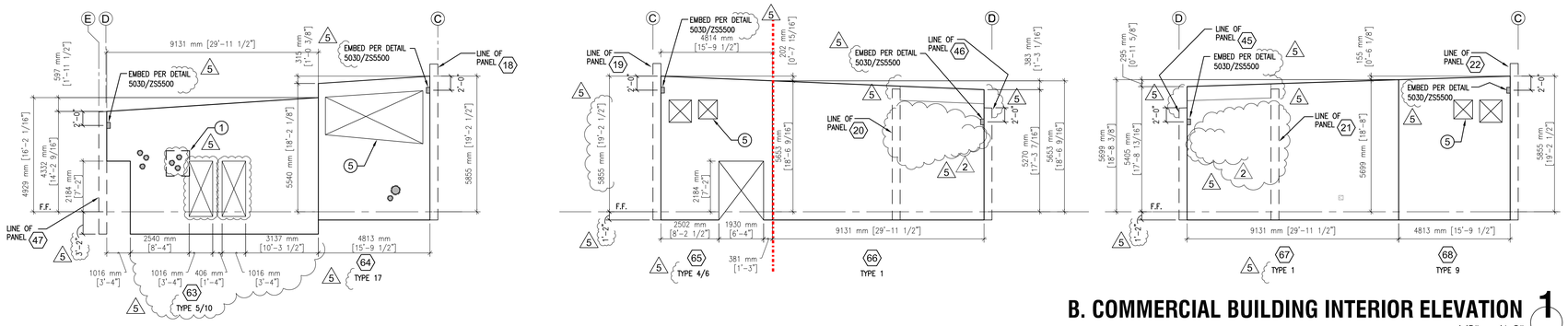
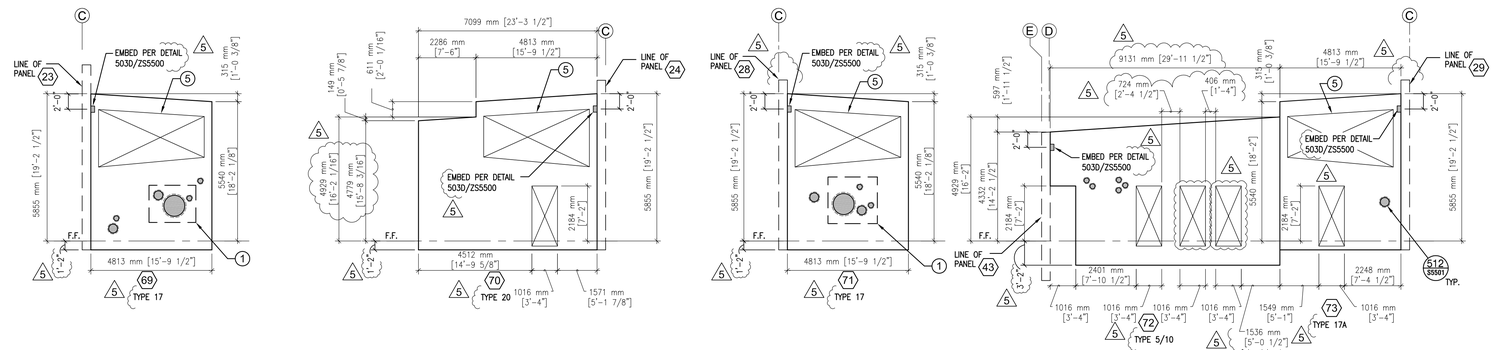


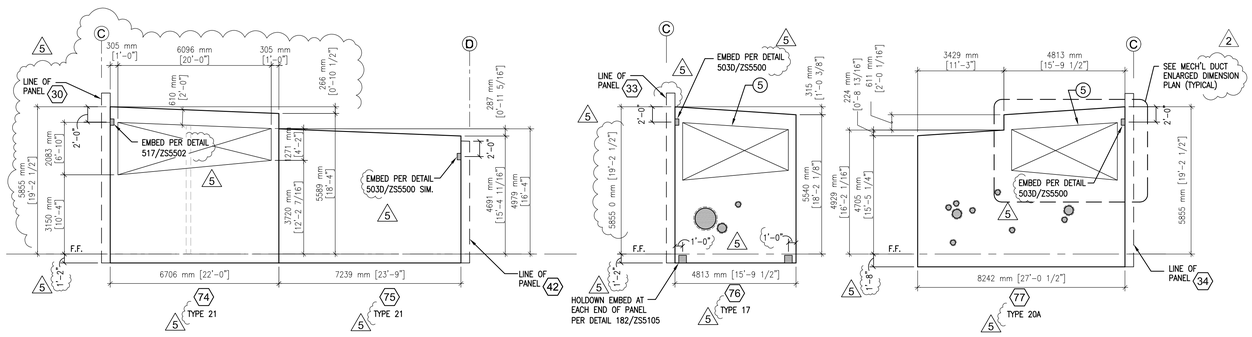
B. COMMERCIAL BUILDING INTERIOR ELEVATION 1

1/8" = 1'-0"



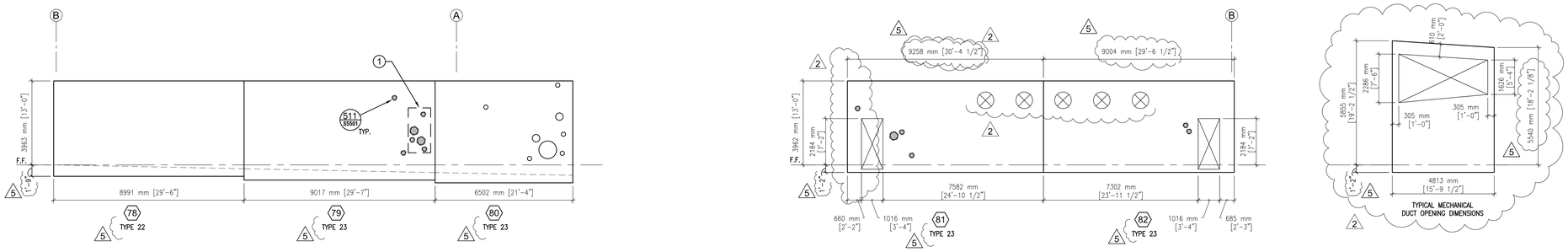
B. COMMERCIAL BUILDING INTERIOR ELEVATION 2

1/8" = 1'-0"



B. COMMERCIAL BUILDING INTERIOR ELEVATION 3

1/8" = 1'-0"



B. COMMERCIAL BUILDING NORTH ELEVATION 4

RULES FOR PLACEMENT OF CIRCULAR WINDOWS

1. THERE SHALL BE A MINIMUM OF 3" OF CLEARANCE BETWEEN ADJACENT HOLES.
2. THE EDGE OF A CIRCULAR WINDOW OF ANY SIZE MUST NOT BE CLOSER THAN 12" TO THE JAMB OF A MAN-DOOR OPENING OR EDGE OF A TILT-PANEL. IF THE JAMB REINFORCING IS 12" OR GREATER IN WIDTH, THEN THE EDGE OF THE CIRCULAR WINDOW MUST BE A MINIMUM OF 2" FROM JAMB REINFORCING FURTHEST FROM THE JAMB EDGE (EDGE OF THE OPENING).
3. THE EDGE OF A CIRCULAR WINDOW OF ANY SIZE MUST NOT BE CLOSER THAN 16" TO THE JAMB OF A LARGE OPENING SUCH AS A ROLL-UP DOOR OPENING. IF THE JAMB REINFORCING IS 16" OR GREATER IN WIDTH, THEN THE EDGE OF THE CIRCULAR WINDOW MUST BE A MINIMUM OF 2" FROM THE JAMB REINFORCING FURTHEST FROM THE JAMB EDGE (EDGE OF THE OPENING).
4. THE EDGE OF A CIRCULAR WINDOW OF ANY SIZE MUST NOT BE CLOSER THAN 12" TO THE TOP EDGE OF ANY OPENING (AT THE HEADER). IF THE HEADER REINFORCING IS 12" OR GREATER IN WIDTH, THEN THE EDGE OF THE CIRCULAR WINDOW MUST BE A MINIMUM OF 2" FROM THE REINFORCING FURTHEST FROM THE TOP EDGE OF THE OPENING.
5. SPECIAL REINFORCING IN A TILT-PANEL AT A BEAM OR JOIST LOCATION MUST NOT BE INTERRUPTED BY A CIRCULAR WINDOW.

KEY NOTES

1. REFER TO DETAILS 514, 515, AND 516 AS EXAMPLES FOR PERIMETER REINFORCING FOR CLUSTER WINDOWS. TYPICAL FOR CLUSTERS.
2. NOT USED.
3. NOT USED.
4. NOT USED.
5. MECHANICAL OPENING - APPROXIMATE LOCATION AND SIZE, REFER TO ARCH'L/MECH'L FOR ACTUAL LOCATION AND SIZE.
6. CONCRETE RETURN PER DETAIL 523/ZS5502.
7. DRINKING FOUNTAIN - VERIFY.
8. CORNER GUARDS PER DETAIL 522/ZS5502 AND REF. ARCH'L.
9. STEP FOOTING BELOW WATER HARVESTING TRENCH.

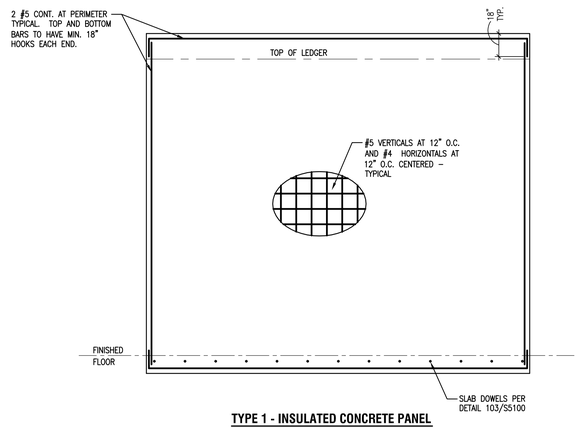
NOTE:

ALL PANELS ARE f'c=3,000 PSI U.N.O.

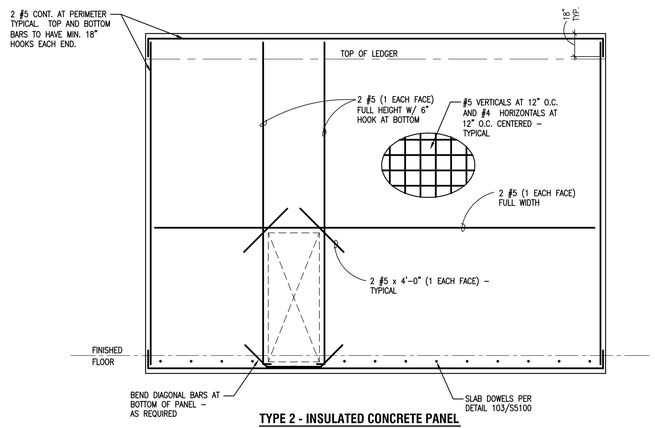
GENERAL NOTES

1. ALL STRUCTURAL PANELS SHOW THE INTERIOR FACE OF PANEL. REFERENCE ARCHITECTURAL FOR EXTERIOR FACE
2. REFERENCE ARCHITECTURAL MANUEL FOR SCHEDULE OF CIRCULAR OPENINGS.

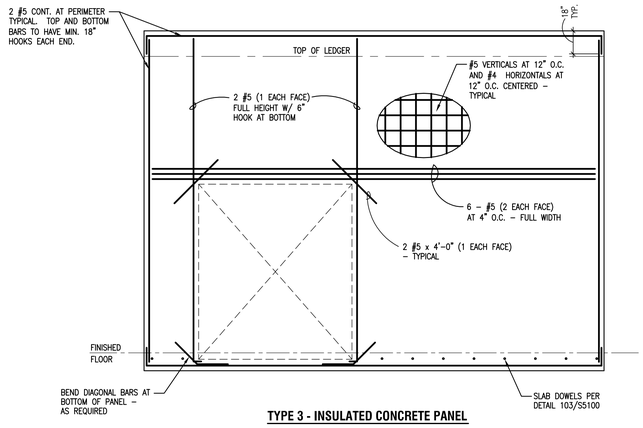
DRAWING NO.	BS2003
	PACKAGE | DISC. | TYPE | SHEET NO.



TYPE 1 - INSULATED CONCRETE PANEL



TYPE 2 - INSULATED CONCRETE PANEL



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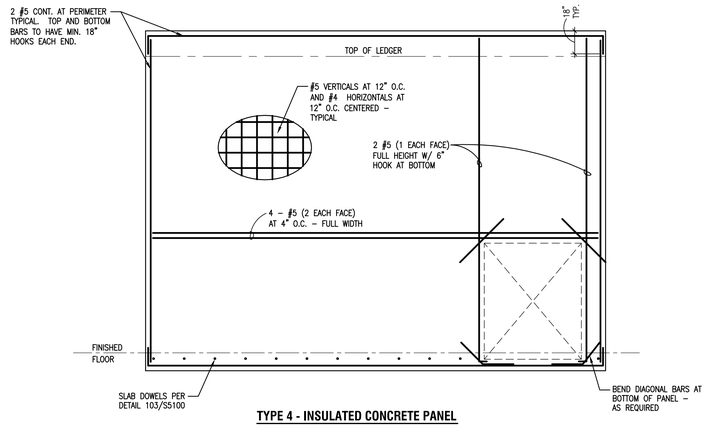

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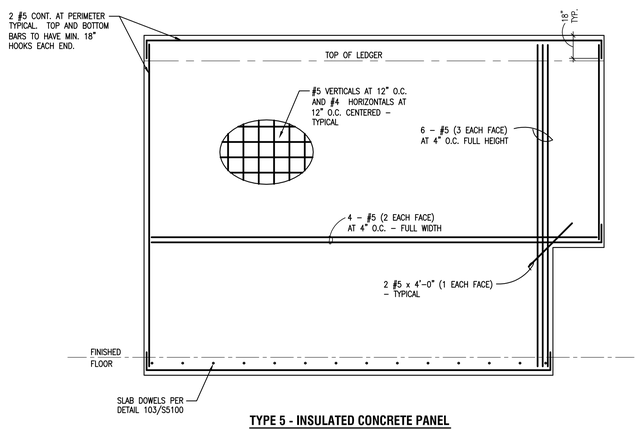
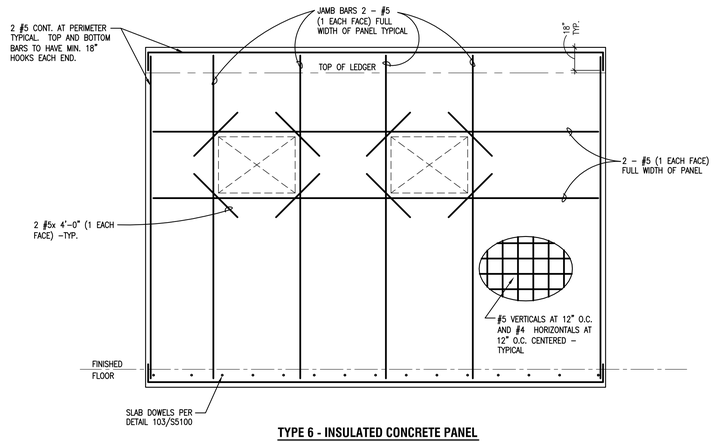


TYPE 5 - INSULATED CONCRETE PANEL



TYPE 6 - INSULATED CONCRETE PANEL

TILT-UP CONCRETE PANEL NOTES:

1. PANEL ELEVATIONS ARE BY TYPE REFERENCE OF REINFORCING REQUIRED AND SHOWING ONLY PARTIAL LISTING OF EMBEDMENTS AND EXTREME CAUTION SHALL BE EXERCISED BY THE CONTRACTOR TO LAY OUT PANELS TO PROPER DIMENSIONS WITH REQUIRED REINFORCING. OPENINGS AND EMBEDMENTS REQUIRED FOR EACH PANEL.

2. ALL PANEL ELEVATIONS ARE AS VIEWED FROM THE INTERIOR SIDE OF THE BUILDING EXCEPT WHERE NOTED OTHERWISE. REFERENCE ARCHITECTURAL EXTERIOR ELEVATIONS FOR LOCATIONS AND TYPES OF TEXTURES AND REVEALS.

3. DO NOT SCALE ANY PANEL ELEVATIONS SHOWN HEREIN. REFER TO PLANS AND ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. WHERE DIMENSIONS ARE SHOWN, IT IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN PROVIDING SHOP DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIF– CATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH ARCHITECT.

4. DIMENSIONS FROM BUILDING FINISHED FLOORS TO BOTTOM OF PANEL TO BE GOVERNED BY THE APPROPRIATELY FLAGGED FOUNDATION DETAIL FOR EACH PARTICULAR LOCATION, USED IN CONJUNCTION WITH FINISHED GRADES ADJACENT TO BUILDING SHOWN ON CIVIL ENGINEERING DRAWINGS. VERIFY WITH FLAGGED DETAILS ON ARCHITECTURAL DRAWINGS.

5. ALL PANEL OPENINGS MAY NOT BE SHOWN ON THE ELEVATIONS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, REFERENCE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. RESOLVE ANY DISCREPANCY THRU THE ARCHITECT.

6. REFERENCE PLANS, ELEVATIONS, SECTIONS, NOTES AND/OR DETAILS FOR ALL HEIGHTS, OPENINGS, EMBEDDED ITEMS, ETC.

7. PROVIDE 1/2"x1/2" CHAMFERS AT ALL EXPOSED PANEL EDGES AND CORNERS, UNLESS NOTED OTHERWISE.

8. REINFORCING SHOWN IS FOR IN–PLACE CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR PICK UP POINT INSERTS AND LOCATIONS. SPECIAL PICK UP REINFORCING AND STRONG BACKS, AND ALL PICK UP PLACING OPERATIONS.

9. ALL "TYPICAL REINFORCING" SHALL BE TYPICAL THRU–OUT PANEL WITH OTHER REINFORCING SHOWN IN ADDITION TO TYPICAL REINFORCING, UNLESS OTHERWISE NOTED.

10. ALL REINFORCING TO BE CENTERED IN DESIGN PANEL THICKNESS. ALL PERIMETER REINFORCING AND REINFORCING AT PERIMETERS OF OPENINGS IN PANELS TO BE 1 1/2" IN FROM EDGE. DOUBLE REINFORCING TO BE CENTERED IN PANEL WITH 1" CLEAR SPACE BETWEEN BARS, BUT NOT LESS THAN ONE BAR DIAMETER, UNLESS OTHERWISE SHOWN OR NOTED.

11. ALL TOP AND BOTTOM PANEL PERIMETER BARS TO HAVE 18" HOOK AT EACH END. ALL OPENINGS SIDE PERIMETER BARS TO HAVE 6" HOOK AT BOTTOM. ALL HORIZONTAL REINFORCING AT TOP OF OPENINGS TO EXTEND 2'–0" BEYOND EACH OPENING, UNLESS OTHERWISE SHOWN. REFERENCE TYPICAL OPENING IN PRECAST CONCRETE PANEL DETAIL FOR ADDITIONAL INFORMATION.

12. FOR WELDING OF ASTM A615–GRADE 60 REINFORCING BARS, USE E90 SERIES LOW HYDROGEN RODS.

13. ALL PANEL JOINTS TO BE 3/4" AND SEALED WITH BUTYL ROD AND CAULKING ON INTERIOR AND EXTERIOR FACES.

TYPICAL REINFORCING U.N.O.

INSULATED CONCRETE PANELS
- OVERALL THICKNESS ---------- 13 1/2"
- DESIGN THICKNESS ---------- 8"
- VERTICAL BARS, CENTERED IN 8" LAYER ------ #5 AT 12" O.C.
- HORIZONTAL BARS, CENTERED IN 8" LAYER ---- #4 AT 12" O.C.

12" THICK PANELS
- OVERALL THICKNESS ---------- 12"
- DESIGN THICKNESS ---------- 11 1/4"
- VERTICAL BARS, EACH FACE ---------- #5 AT 12" O.C.
- HORIZONTAL BARS, EACH FACE ---------- #4 AT 12" O.C.

10" THICK PANELS
- OVERALL THICKNESS ---------- 10"
- DESIGN THICKNESS ---------- 9 1/4"
- VERTICAL BARS, EACH FACE ---------- #5 AT 12" O.C.
- HORIZONTAL BARS, EACH FACE ---------- #4 AT 12" O.C.

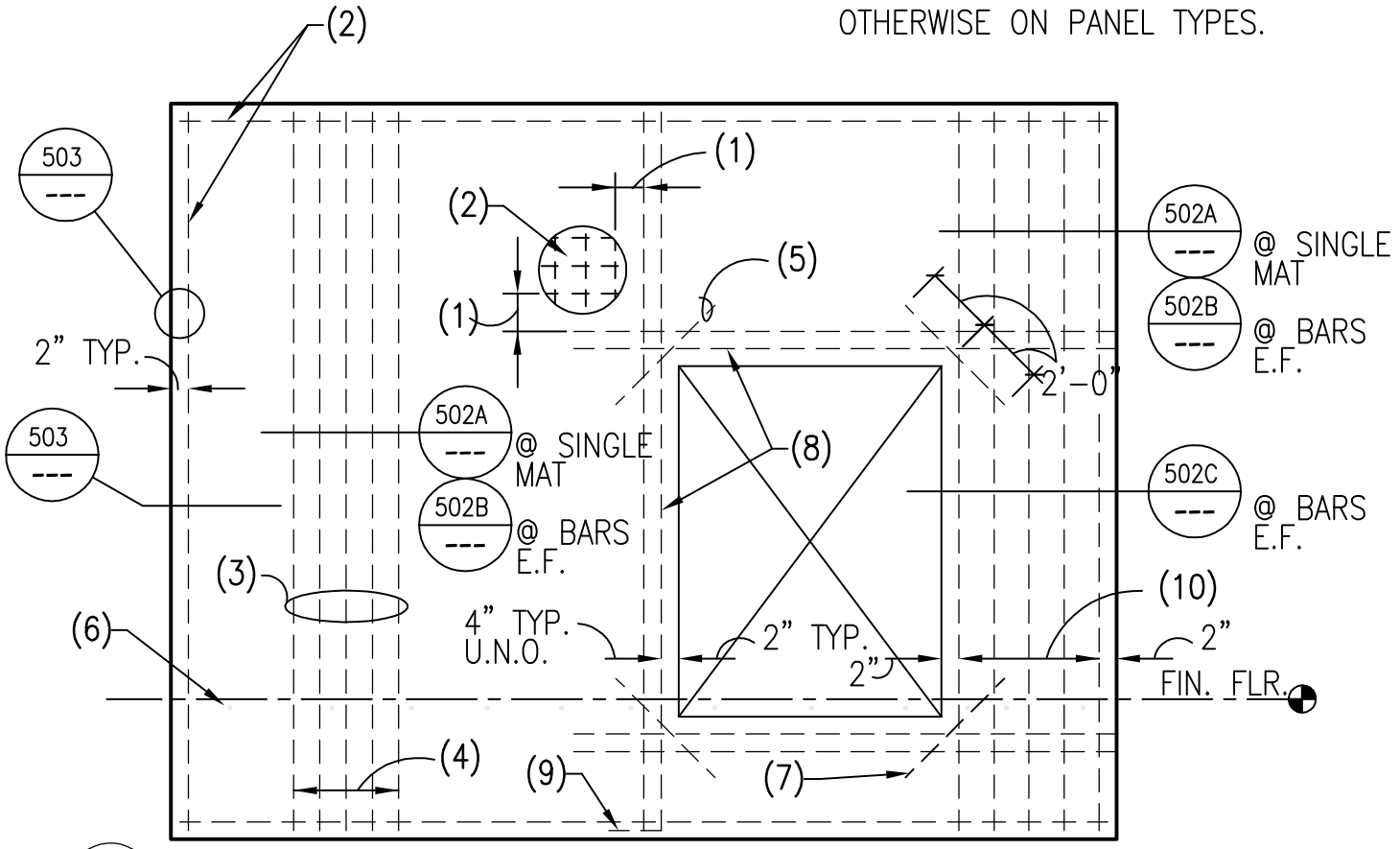
8" THICK PANELS
- OVERALL THICKNESS ---------- 8"
- DESIGN THICKNESS ---------- 7 1/4"
- VERTICAL BARS, CENTERED ---------- #5 AT 12" O.C.
- HORIZONTAL BARS, CENTERED ---------- #4 AT 12" O.C.

ALL PANELS
- PANEL PERIMETER BARS ---------- 2 – #5
- OPENING PERIMETER BARS ---------- 2 – #5
- MAXIMUM REVEAL DEPTH ---------- 3/4"

DRAWING NO. B S4000
PACKAGE | DISC. | TYPE | SHEET NO.

NOTES:

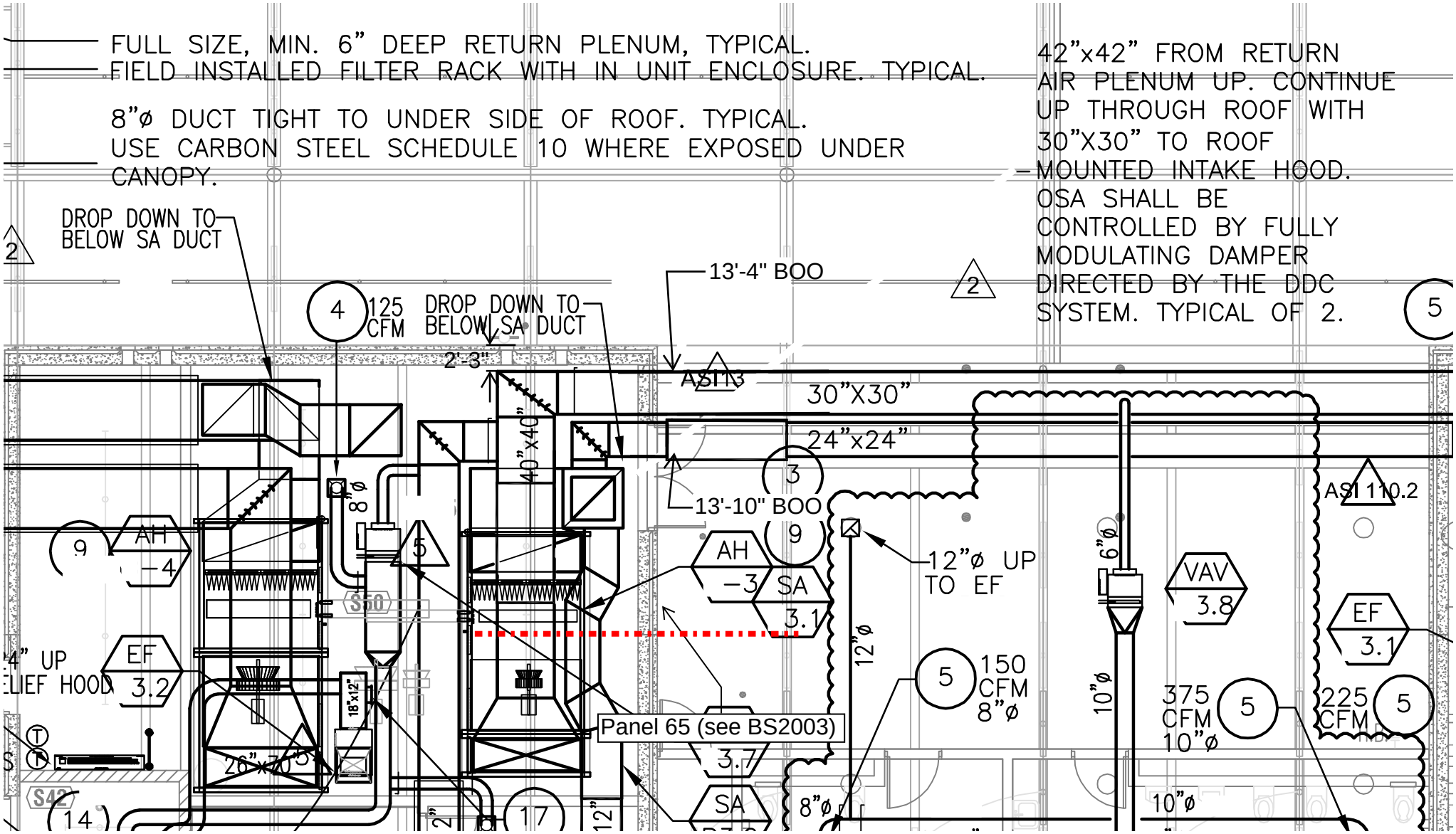
1. TYPICAL MAT SPACING OR LESS.
2. TYPICAL MAT REINFORCING– SEE PANEL ELEVATION – MAY BE OMITTED WHERE SPECIAL REINF. IS SPECIFIED ON PANEL TYPE.
3. ADDITIONAL VERTICAL REINF. – SEE PANEL ELEVATIONS.
4. SEE PANEL TYPES FOR SPACING.
5. 1 – #5 x 4'–0" LONG CORNER BAR – INSTALL IN CENTER OF PANEL.
6. SLAB DOWELS AT 48" O.C. 2" MIN. FROM EDGE TO OPENING. FIRST DOWEL 6" FROM JAMB OR EDGE.
7. WHERE 2'–0" CANNOT BE ATTAINED, EXTEND BARS AS FAR AS POSSIBLE AND HOOK OR BEND.
8. TYPICAL OPENING PERIMETER BARS 2 – #5 (1 EACH FACE).
9. 6" HOOK AT OPENING PERIMETER BARS.
10. EQ. SPACES UNLESS NOTED OTHERWISE ON PANEL TYPES.



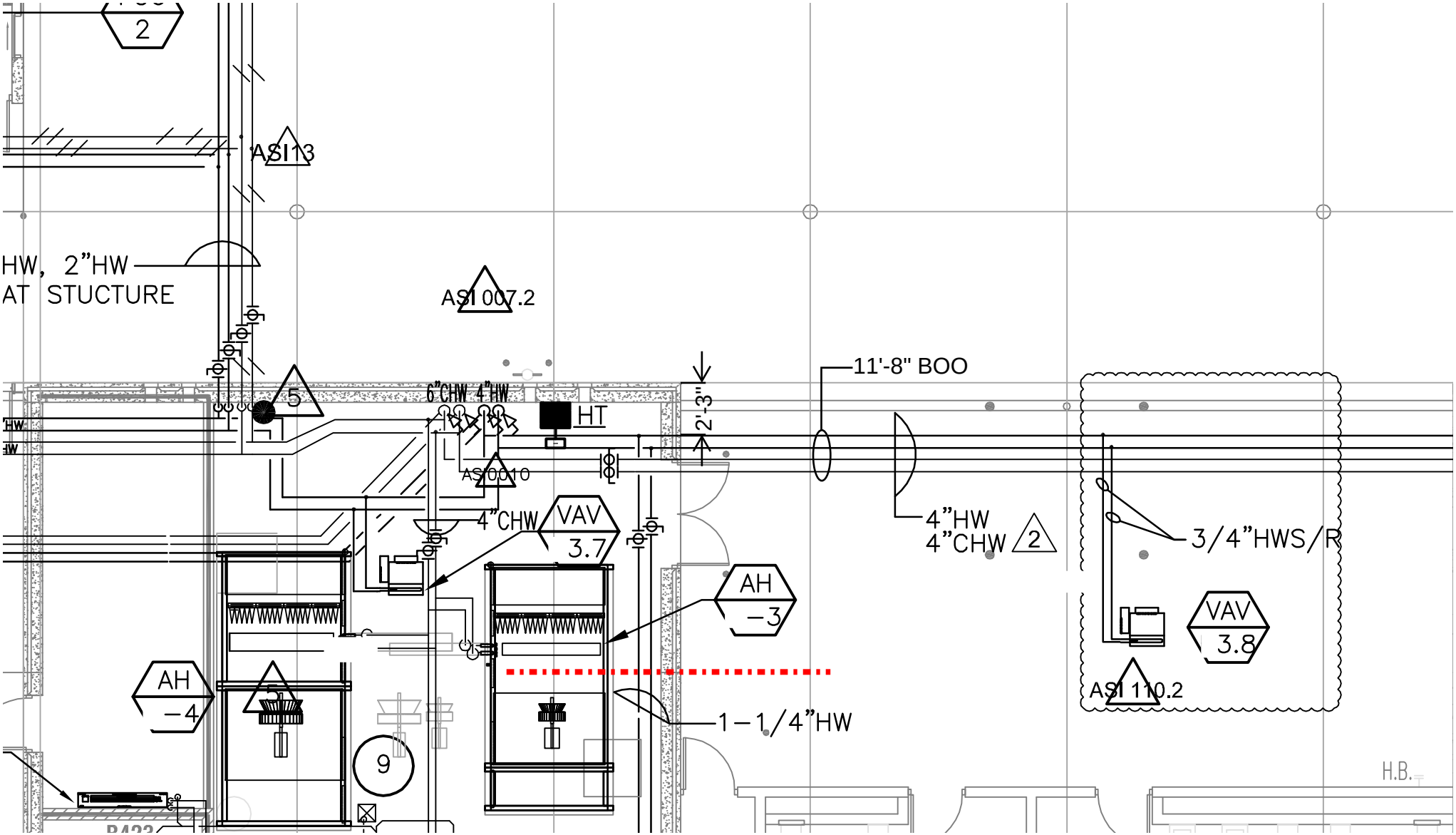
2n 501 TYPICAL CONCRETE WALL PANEL REINFORCING PLACEMENT

NO SCALE

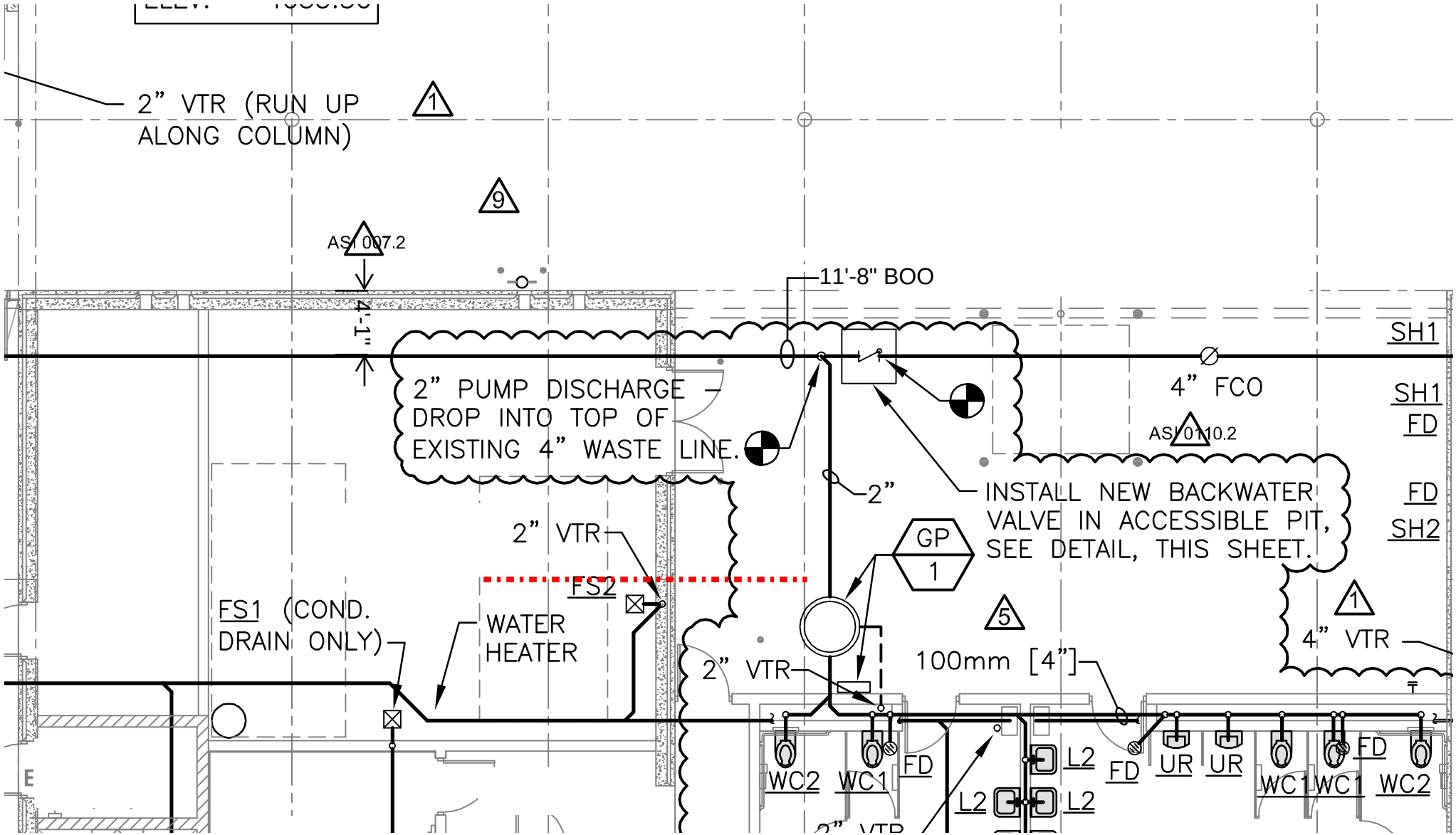
Mechanical Duct Plan



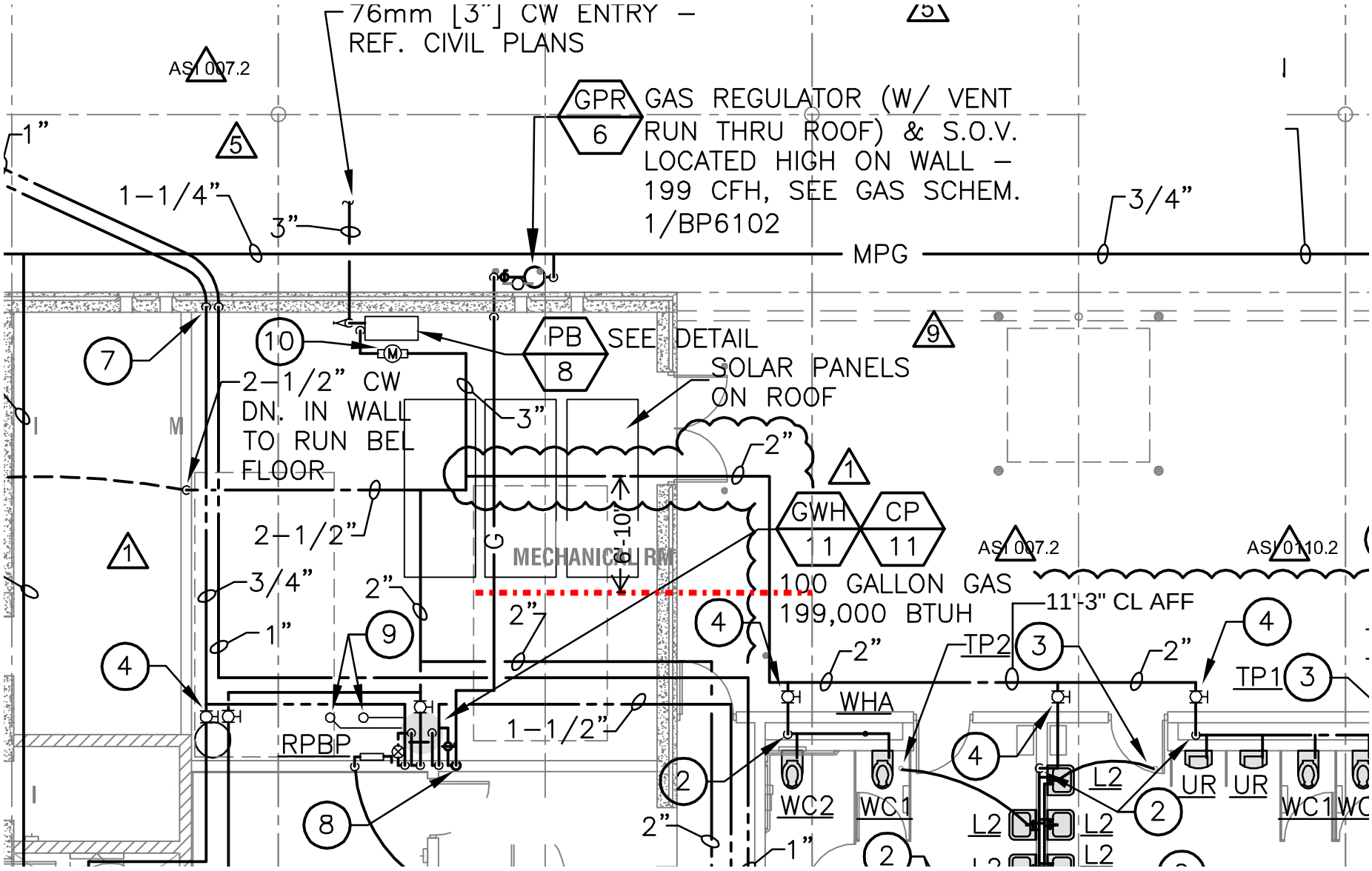
Mechanical - Piping Plan



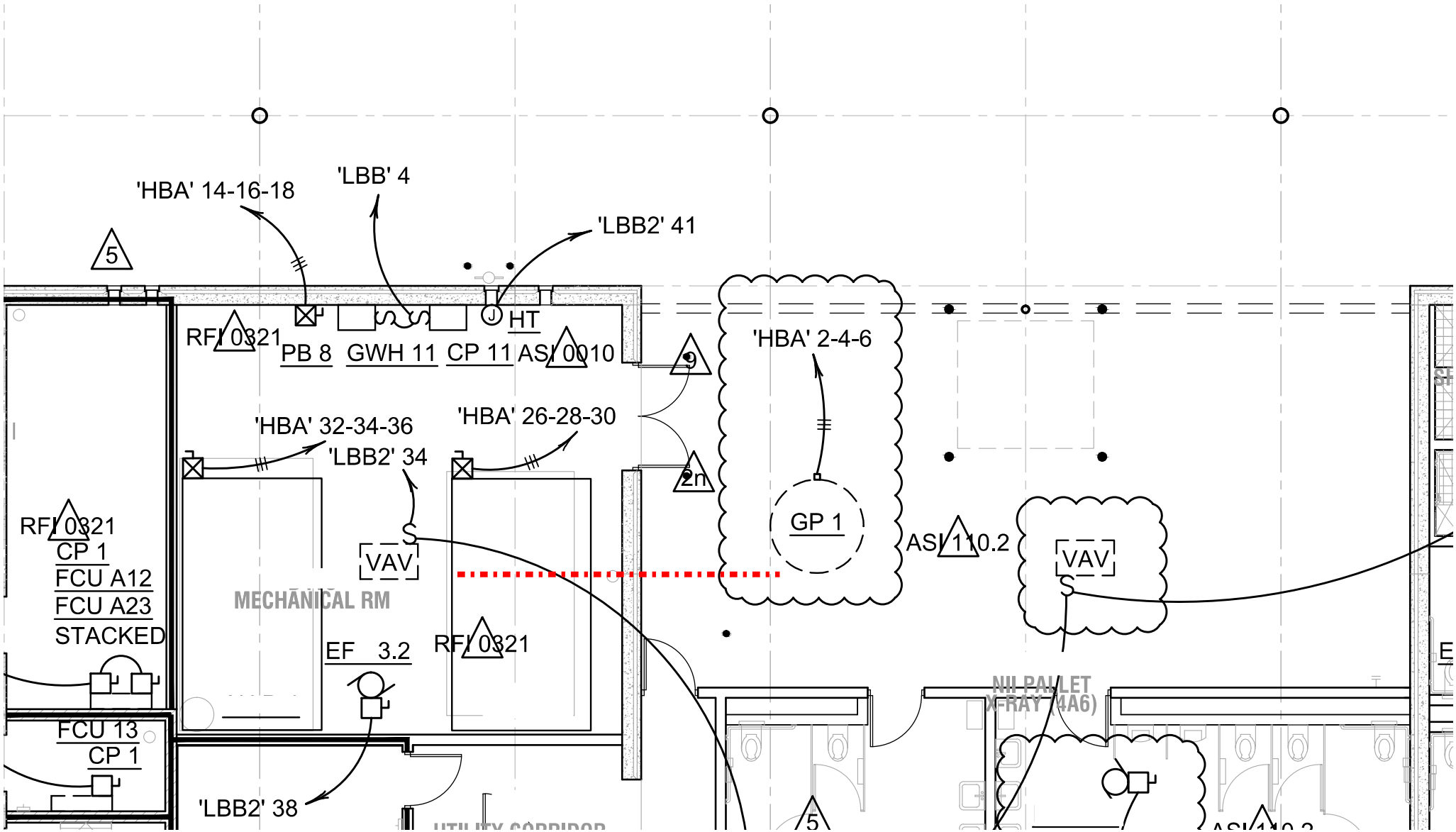
Plumbing Waste Piping



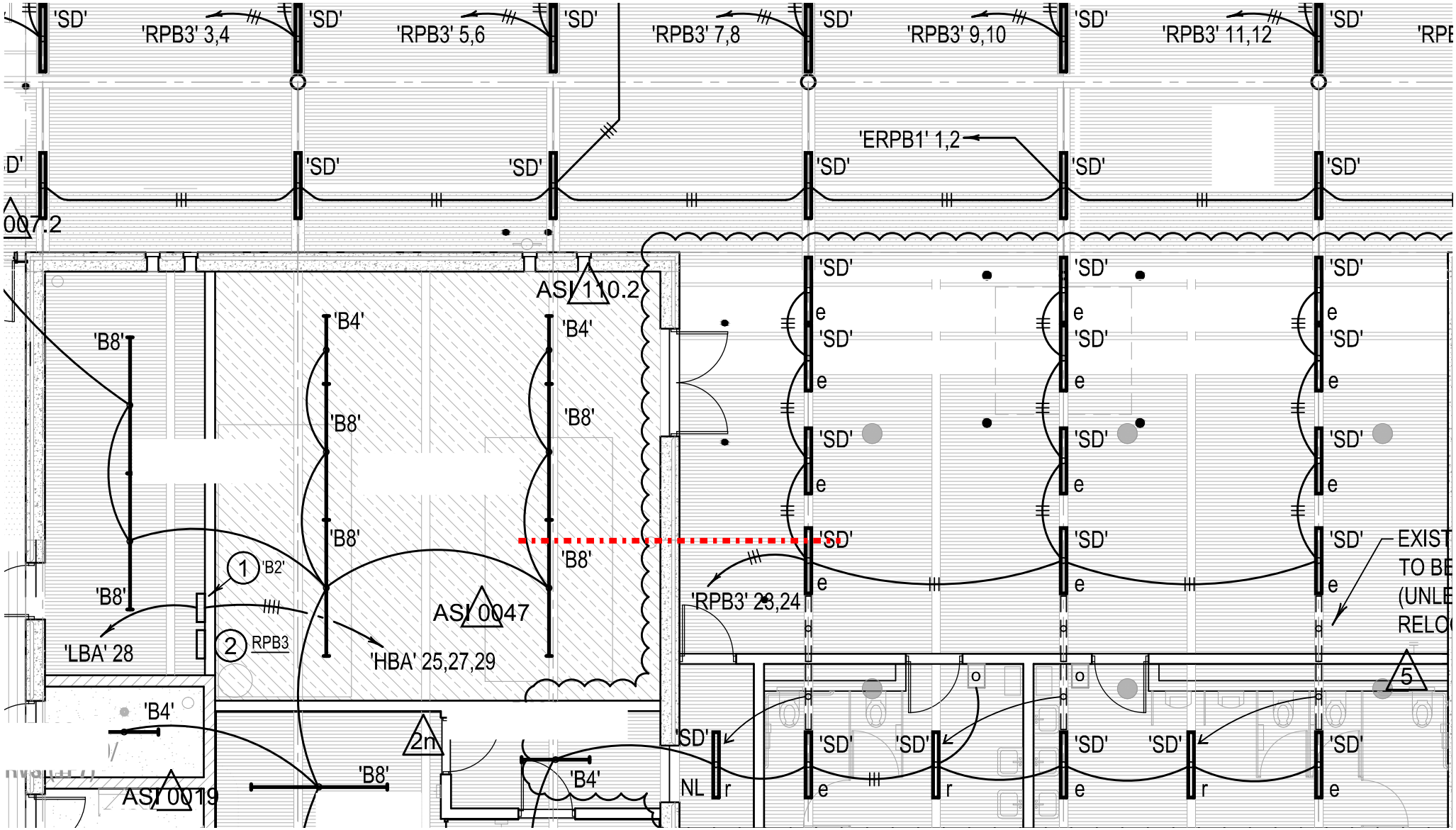
Plumbing Water Piping



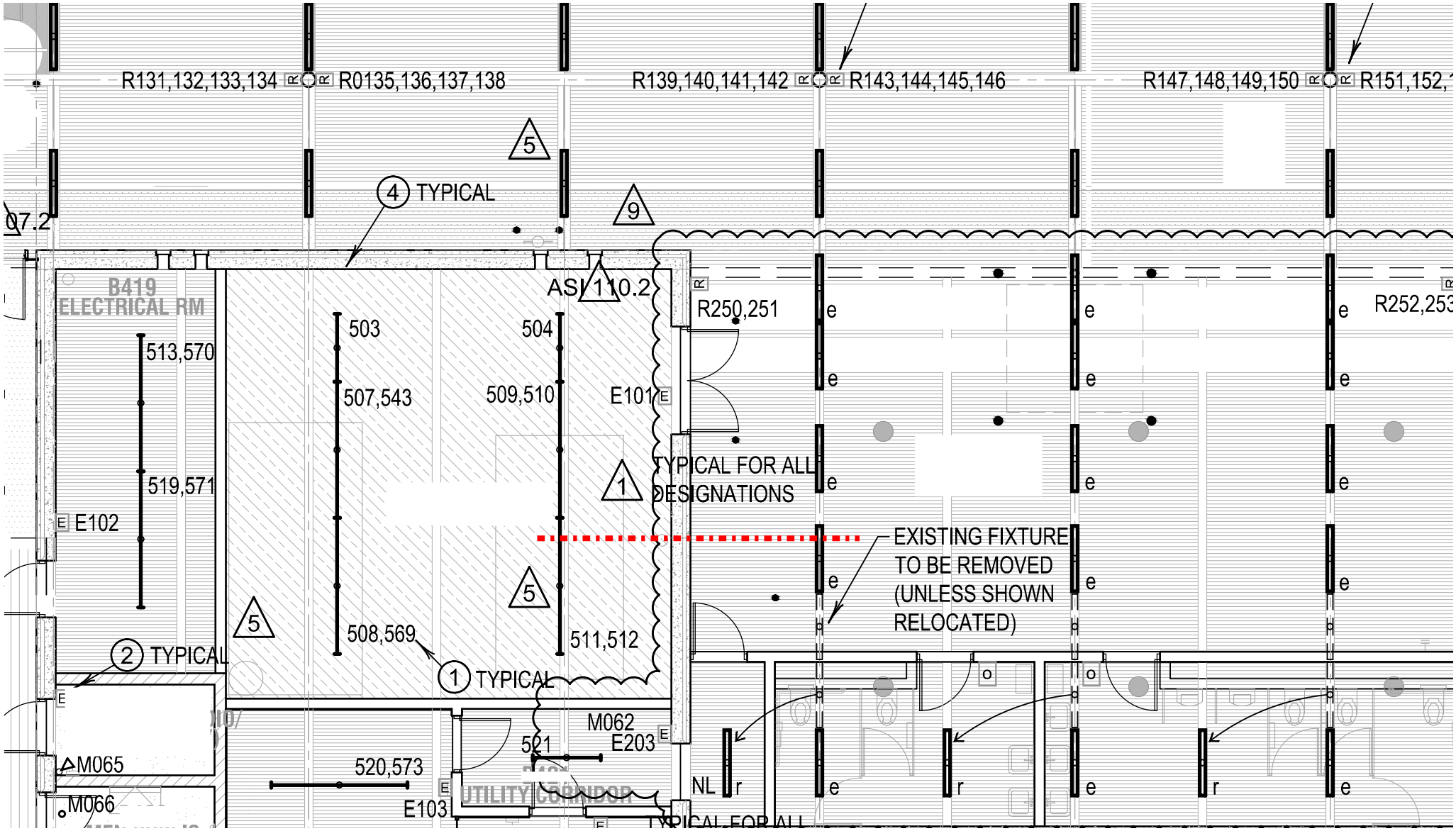
Power Plan


'HBA' 14-16-18
'LBB' 4
'LBB2' 41
5
RFI 0321
PB 8
GWH 11
CP 11
ASI 0010
HT
'HBA' 2-4-6
'HBA' 32-34-36
'HBA' 26-28-30
'LBB2' 34
RFI 0321
CP 1
FCU A12
FCU A23
STACKED
VAV
MECHANICAL RM
GP 1
ASI 110.2
VAV
EF 3.2
RFI 0321
FCU 13
CP 1
'LBB2' 38
NII PALLET
X-RAY (4A6)

Lighting Plan



Lighting Control Plan



Enlarged Power Plan