Appendix B

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Introduction

The following documents were obtained during the field surveys of the example Medical Centers. They are included with this Supplement as examples of some of the information provided in the construction documents of previous projects to illustrate the VAHBS concept to the Contractor.

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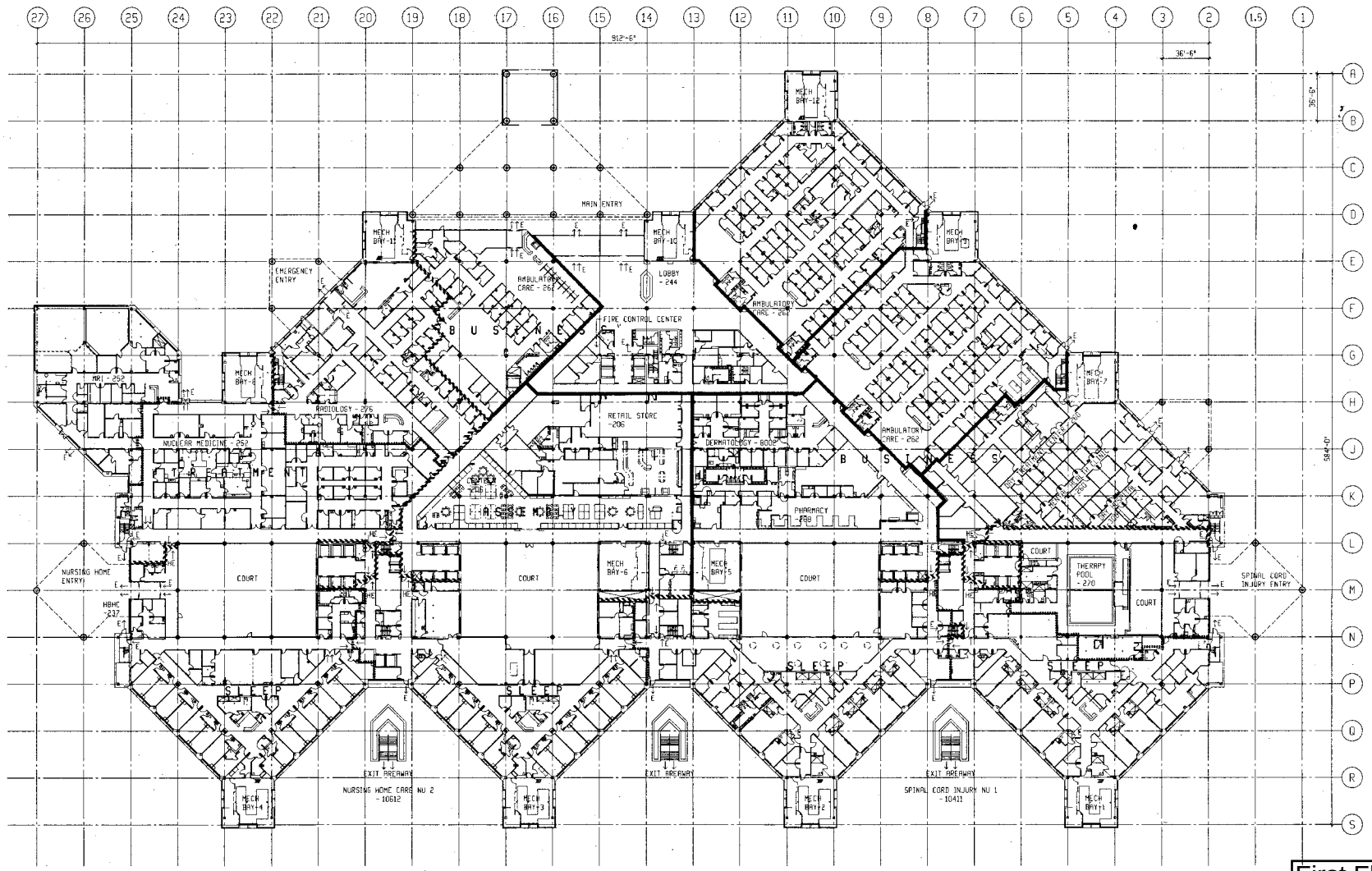
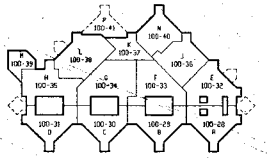




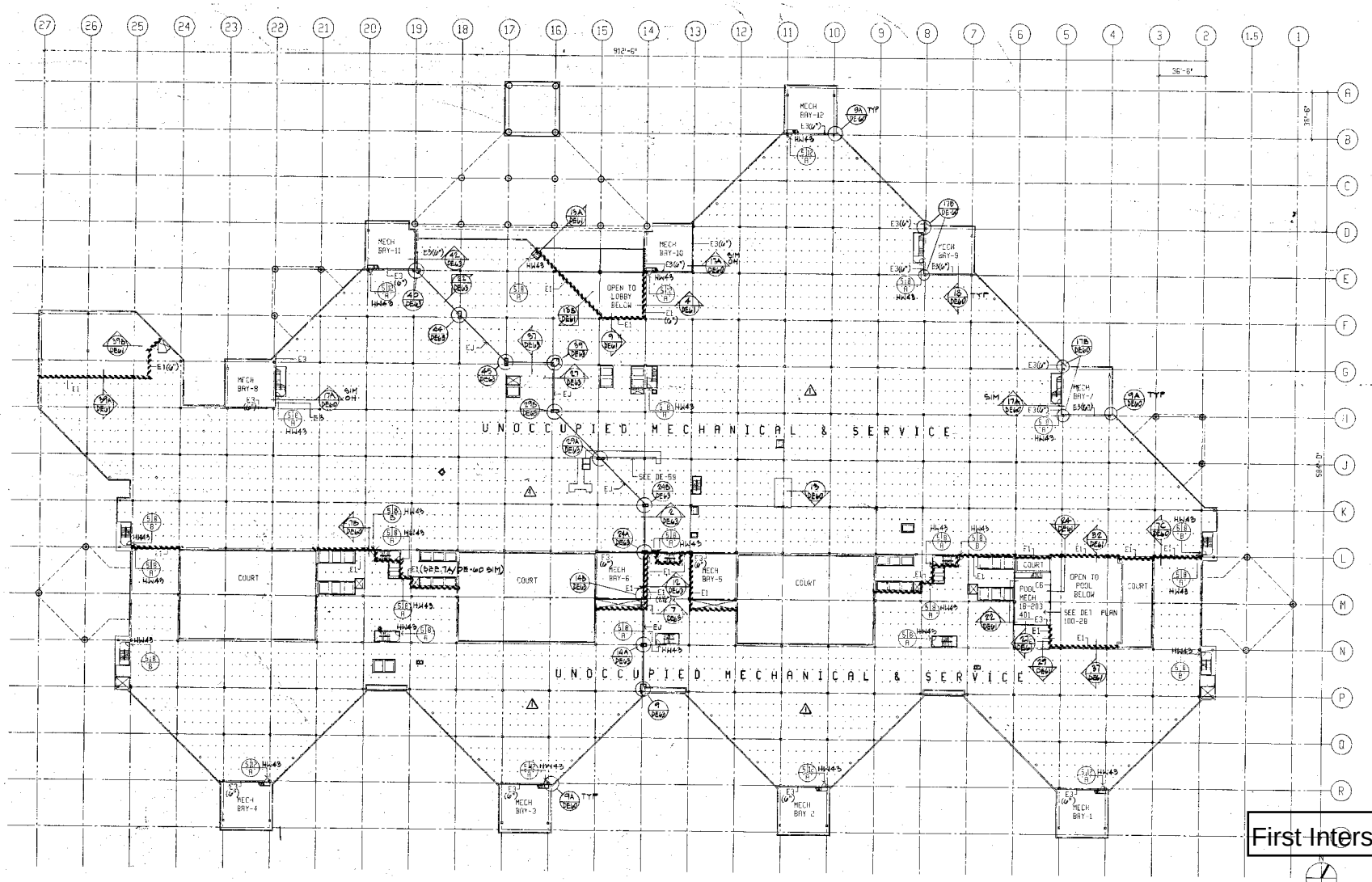
GENERAL NOTES

1. SEE GENERAL ARCHITECTURAL NOTES, DRAWING X-4.
2. THIS BUILDING IS TO BE FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 101 AND NFPA 13.
3. A STANDPIPE WITH FIRE DEPARTMENT CONNECTIONS AT EACH FUNCTIONAL FLOOR LANDING IS TO BE PROVIDED WITHIN EACH EXIT STAIR.
4. PORTABLE FIRE EXTINGUISHERS (VV) ARE TO BE PROVIDED IN ACCORDANCE WITH NFPA 101 AND NFPA 10. SEE THE 1/8" SCALE PLANS FOR SUGGESTED LOCATIONS. SEE 1/4" PLANS FOR FIRE EXTINGUISHER CABINETS (CC). FIRE EXTINGUISHERS FOR THESE CABINETS ARE (VV).
5. ONE HOUR FIRE AND ONE HOUR FIRE AND SMOKE PARTITIONS ARE CONTINUOUS FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE INTERSTITIAL PLATFORM ABOVE IN THOSE AREAS WHERE AN INTERSTITIAL PLATFORM OCCURS. IN AREAS WITHOUT AN INTERSTITIAL PLATFORM, ONE HOUR FIRE AND ONE HOUR FIRE AND SMOKE PARTITIONS ARE CONTINUOUS FROM THE FLOOR SLAB TO A RATED CEILING ABOVE WHERE CEILINGS OCCUR OR TO THE UNDERSIDE OF THE FLOOR SLAB ABOVE WHERE THE FLOOR SLAB IS EXPOSED. TWO HOUR FIRE AND TWO HOUR FIRE AND SMOKE PARTITIONS ARE CONTINUOUS FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE INTERSTITIAL PLATFORM ABOVE IN THOSE AREAS WHERE AN INTERSTITIAL PLATFORM OCCURS. IN AREAS WITHOUT AN INTERSTITIAL PLATFORM, TWO HOUR FIRE AND TWO HOUR FIRE AND SMOKE PARTITIONS ARE CONTINUOUS FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE FLOOR SLAB ABOVE. TWO HOUR FIRE AND SMOKE PARTITIONS SEPARATING AREAS BETWEEN WHICH THERE ARE HORIZONTAL EXITS ARE CONTINUOUS FROM FLOOR SLAB TO THE UNDERSIDE OF THE INTERSTITIAL PLATFORM ABOVE AND FROM THE INTERSTITIAL PLATFORM TO THE UNDERSIDE OF THE FLOOR SLAB ABOVE. ANY OFFSETS BETWEEN THE PARTITION AT THE FUNCTIONAL FLOOR LEVEL AND THE PARTITION AT THE INTERSTITIAL LEVEL ACHIEVE CONTINUITY THROUGH THE TWO HOUR INTERSTITIAL PLATFORM CONSTRUCTION AND THE TWO HOUR FLOOR SLAB CONSTRUCTION.
6. OCCUPANCY SEPARATIONS AND SMOKE COMPARTMENTS ARE SHOWN ON THIS PLAN. SEE THE 1/8" SCALE PLANS FOR ADDITIONAL RATED PARTITIONS.
7. FIRE AND SMOKE PARTITIONS ARE INDICATED BY THE FOLLOWING SYMBOLS:
   - ONE HOUR FIRE AND SMOKE PARTITION:
   - TWO HOUR FIRE AND SMOKE PARTITION:
   - OTHER ZONE BOUNDARIES, RATED OR NON-RATED:
8. "E" INDICATES "EXIT" AND "HE" INDICATES "HORIZONTAL EXIT". ARROWS INDICATE THE GENERAL DIRECTION OF EXITING.

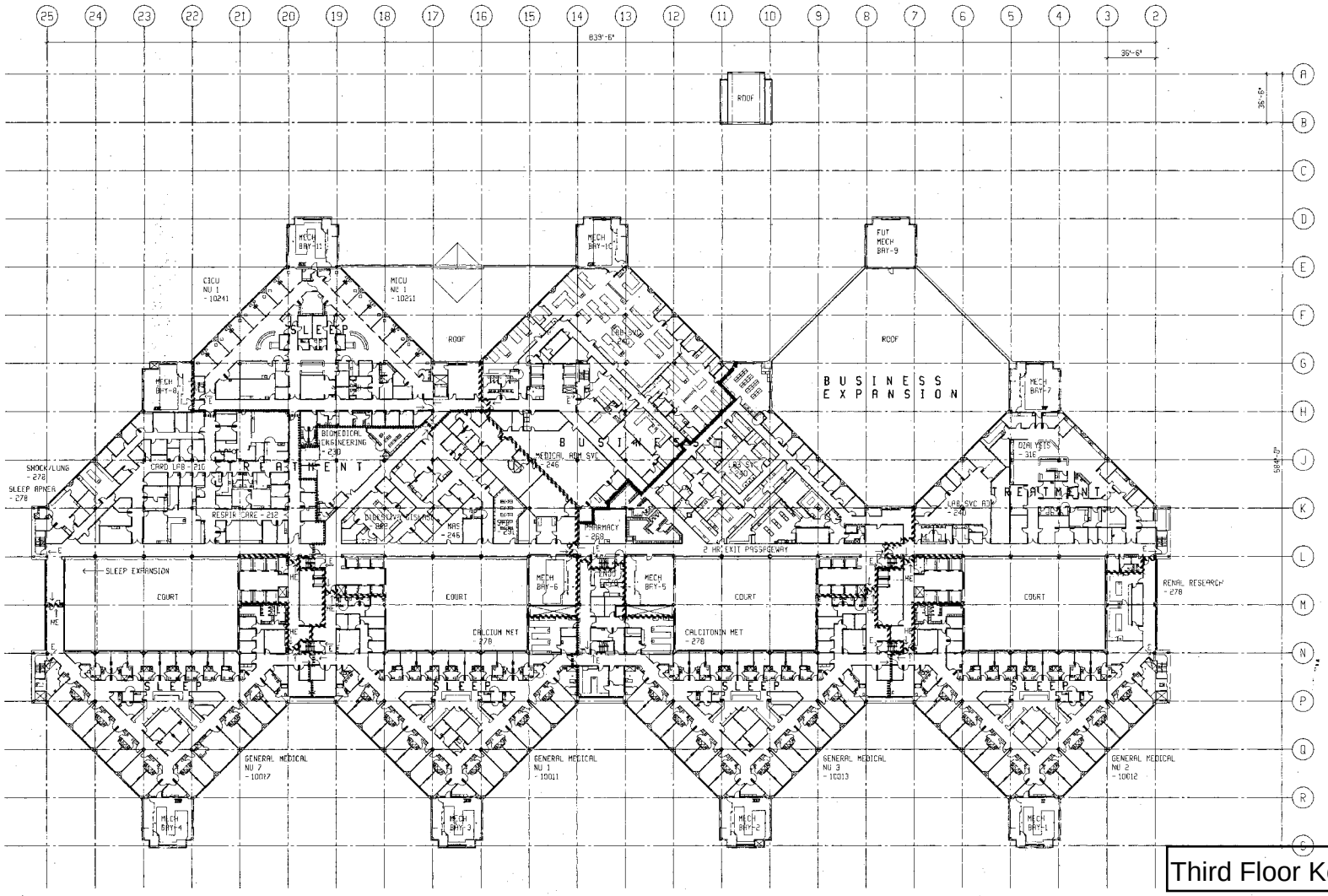
SHEET NOTES

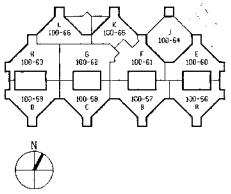
1. FINISH FLOOR ELEVATION: 56.00.
2. FOR EXTENT OF PHASE I CONSTRUCTION (NOT IN THIS CONTRACT) SEE STRUCTURAL DRAWINGS.

First Floor Key Plan B-3



First Interstitial Key Plan B-4

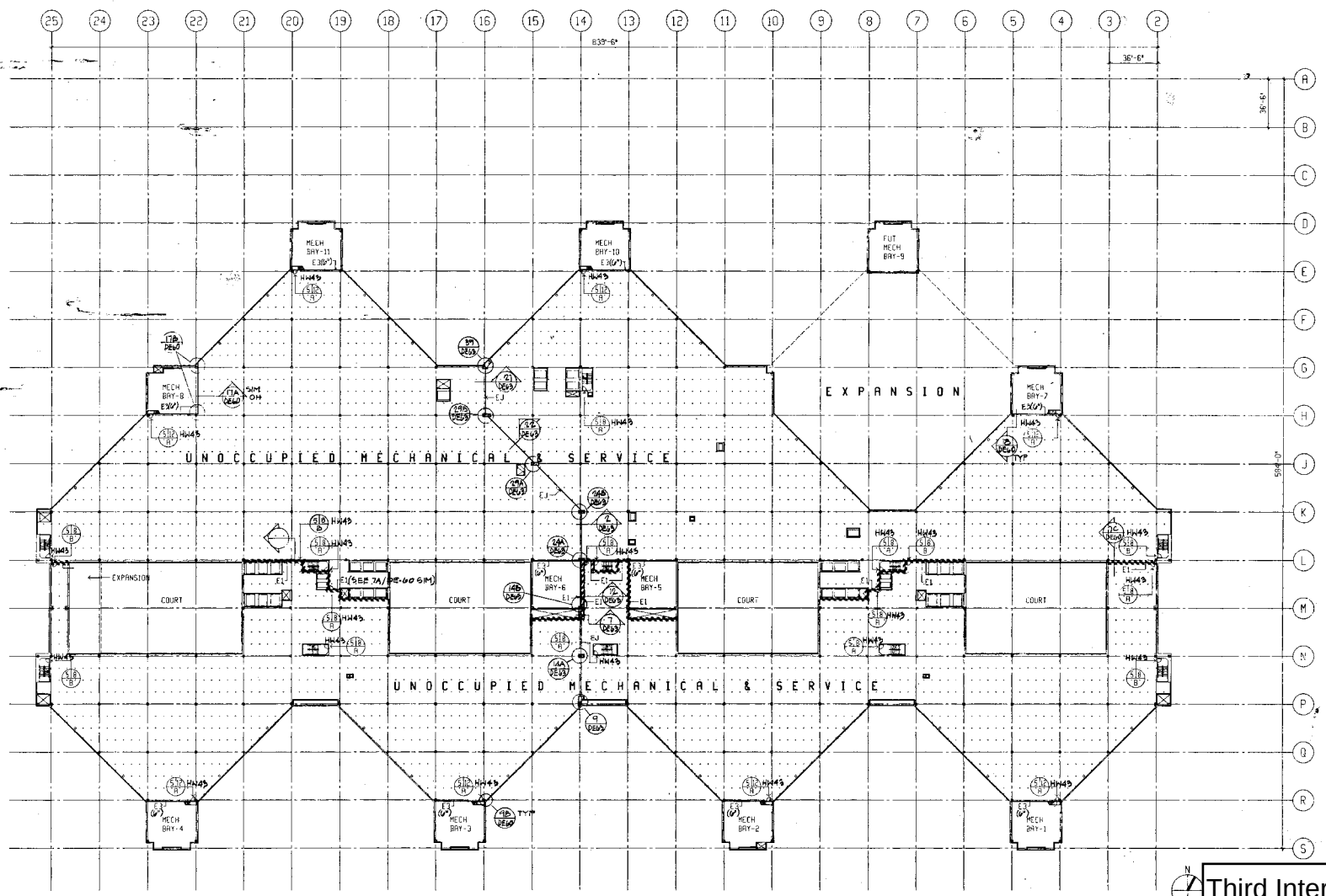




SHEET NOTES

1. SEE GENERAL NOTES, DRAWING 100 3.
2. FINISH FLOOR ELEVATION: 93.66.

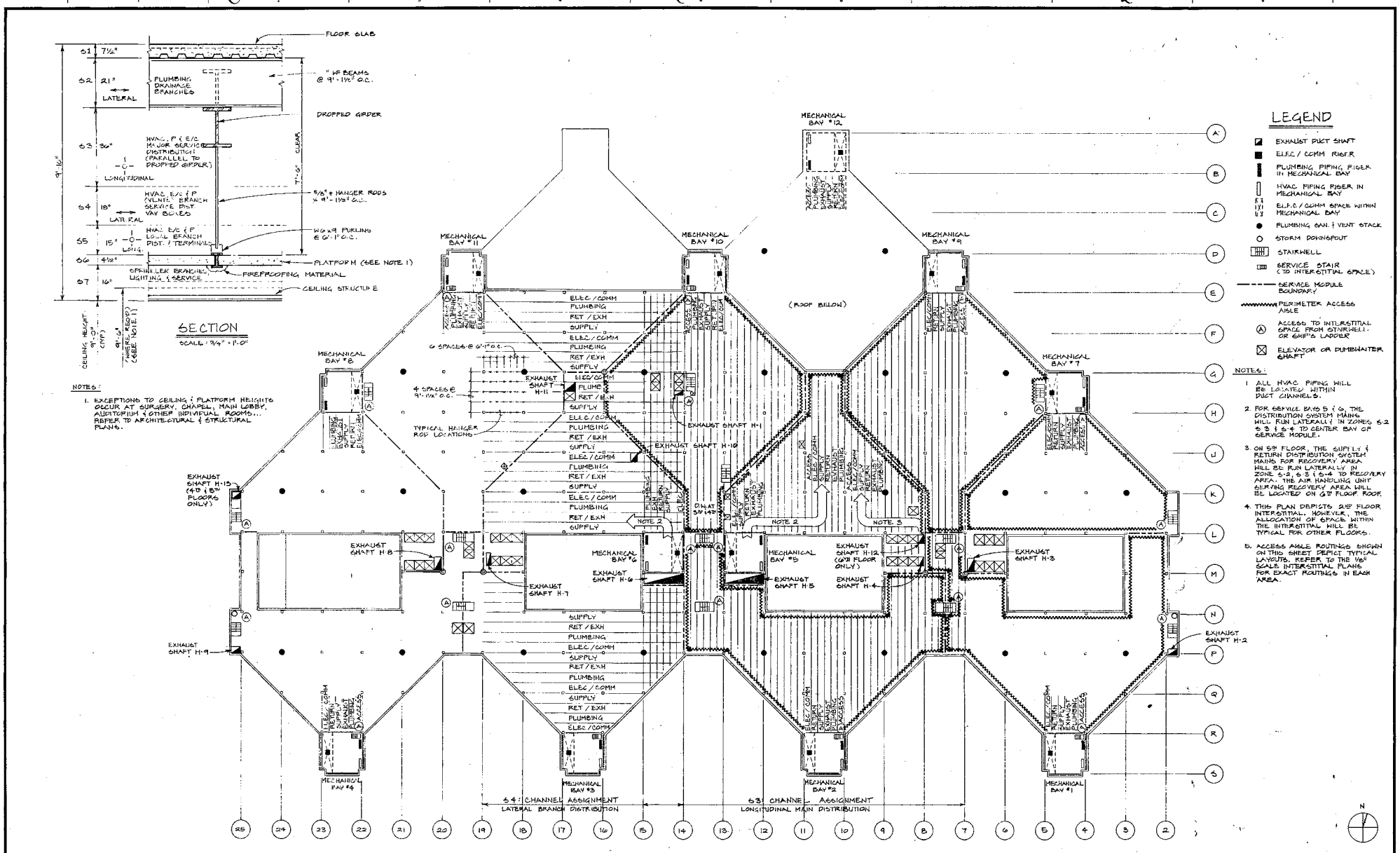
Third Floor Key Plan B-5



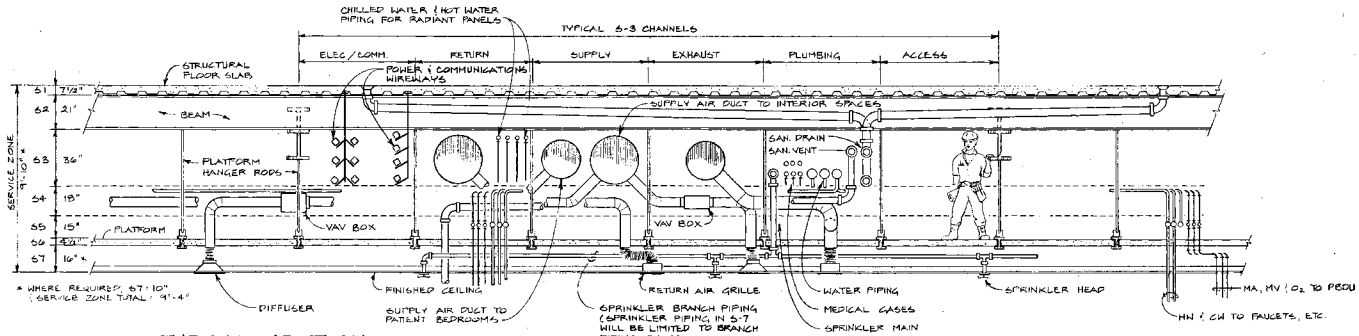
SHEET NOTES

1. SEE GENERAL INTERSTITIAL NOTES, DRAWING 100-2.

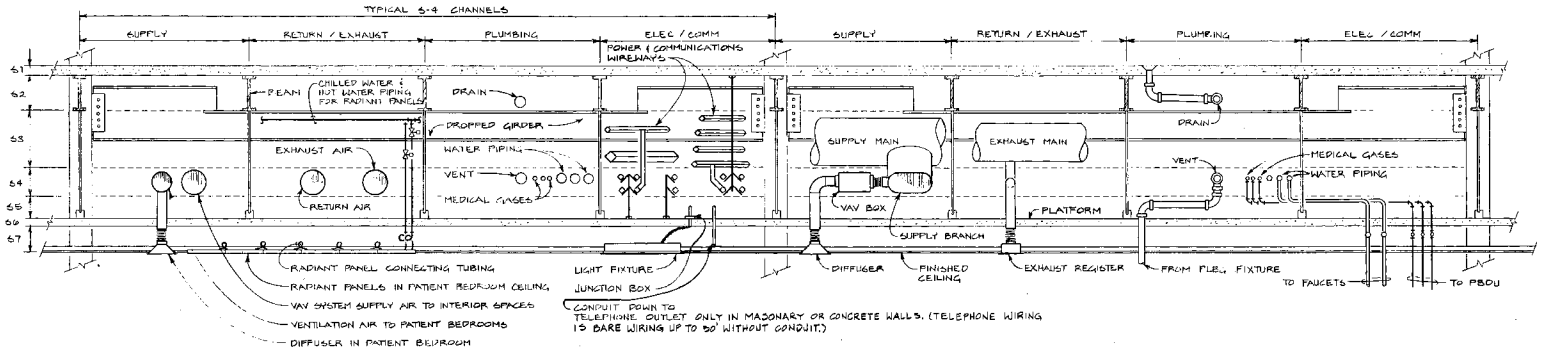
Third Interstitial Key Plan B-6



Allocation of Interstitial Space--Typical B-7

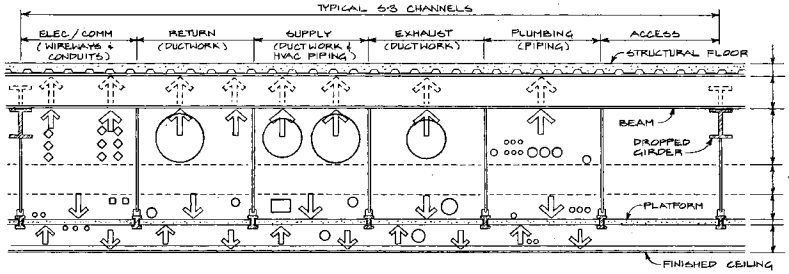


A TYPICAL SECTION
SCALE: 3/8" = 1'-0"



B TYPICAL SECTION
SCALE: 3/8" = 1'-0"

Typical Interstitial Space Composite Sections B-8



TYPICAL STRATEGY FOR SUPPORTING DISTRIBUTION IN S-3, S-5 & S-7 SUBZONES
SCALE: 3/8" = 1'-0"

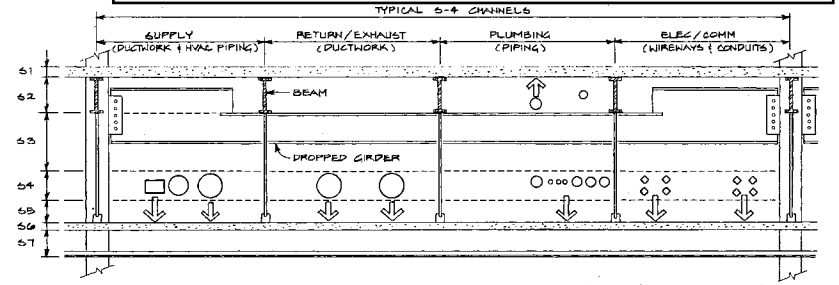
SUBZONE S-2:
SYSTEM ELEMENTS IN THE S-2 ZONE SHALL BE SUPPORTED FROM THE UNDERSIDE OF THE FLOOR SLAB OR DECK.

SUBZONE S-3:
SYSTEM ELEMENTS IN THE S-3 ZONE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE UNDERSIDE OF THE STRUCTURAL BEAM. ALL ELEMENTS SHALL BE SECURED TO THE BOTTOM OF THE BEAM. SUPPORT FOR SYSTEMS IN THIS ZONE MAY BE FROM THE UNDERSIDE OF THE DECK. HOWEVER, USE OF THE DECK FOR SUPPORT SHOULD BE MINIMIZED.

SUBZONE S-4:
SYSTEM ELEMENTS IN THE S-4 ZONE SHALL BE SUPPORTED FROM THE PLATFORM PURLIN.

SUBZONE S-5:
SYSTEM ELEMENTS IN THE S-5 ZONE SHALL BE SUPPORTED FROM THE PLATFORM.

SUBZONE S-7:
SYSTEM ELEMENTS IN THE S-7 ZONE AS WELL AS THE CEILING GRID SYSTEM SHALL BE SUPPORTED FROM THE UNDERSIDE OF THE PLATFORM. LIGHT FIXTURES WILL BE SUPPORTED BY THE ARCHITECTURAL CEILING GRID SYSTEM.
CEILING MOUNTED ITEMS SHALL BE SUPPORTED BY A SYSTEM OF STRUCTURAL ELEMENTS BEARING ON THE PLATFORM PURLIN. IN THE CASE OF HEAVY CEILING MOUNTED ITEMS, SUPPORT MAY BE PROVIDED BY FLOOR FRAMING ELEMENTS.



TYPICAL STRATEGY FOR SUPPORTING DISTRIBUTION IN S-2 & S-4 SUBZONES
SCALE: 3/8" = 1'-0"

INTERSTITIAL RACEWAY SYSTEM

NORMAL POWER	SYMBOL
NORMAL POWER "A" PANELS, 277/480V & 120/208V	NA
NORMAL POWER "B" PANELS, 277/480V & 120/208V	NB
EQUIPMENT NORMAL POWER 277/480V & 120/208V	O
ESSENTIAL POWER	
CRITICAL POWER	C
LIFE SAFETY POWER	L
EQUIPMENT POWER	E
COMMUNICATION	
TELEPHONE	T
NURSE CALL	S
MATV/CCTV/RADIO/PAGING	TV
FIRE ALARM	F

RACEWAY SIZES MAIN S-3 ZONE

SYMBOL	WIREWAY SIZE*	NAMEPLATE
NA	4 x 4	NORMAL POWER "A"
NB	4 x 4	NORMAL POWER "B"
O	4 x 4	EQUIP. NORMAL POWER
C	4 x 4	CRITICAL POWER
L	2-1/2 x 2-1/2	LIFE SAFETY POWER
E	2-1/2 x 2-1/2	EQUIP. EMERGENCY POWER
T	6 x 6	TELEPHONE
TV	6 x 6	MATV/CCTV/RADIO/PAGING
F	6 x 6	FIRE ALARM SYSTEM
S	6 x 6	NURSE CALL
	FUTURE	

*UNLESS NOTED OTHERWISE

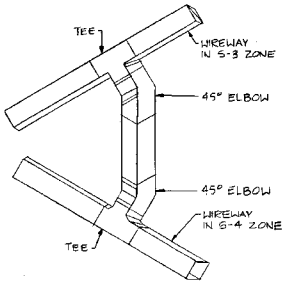
RACEWAY SIZES MAIN S-4 ZONE

SYMBOL	WIREWAY SIZE*	NAMEPLATE
NA	2-1/2" x 2-1/2"	NORMAL POWER "A"
NB	2-1/2" x 2-1/2"	NORMAL POWER "B"
O	2-1/2" x 2-1/2"	EQUIP. NORMAL POWER
C	2-1/2" x 2-1/2"	CRITICAL POWER
L	2-1/2" x 2-1/2"	LIFE SAFETY POWER
E	2-1/2" x 2-1/2"	EQUIP. EMERGENCY POWER
T	4 x 4	TELEPHONE
TV	4 x 4	MATV/CCTV/RADIO/PAGING
F	4 x 4	FIRE ALARM SYSTEM
S	4 x 4	NURSE CALL
	FUTURE	

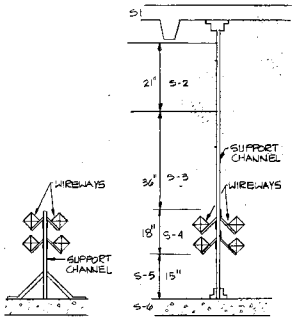
*UNLESS NOTED OTHERWISE

NOTES: (PERTAINING TO INTERSTITIAL RACEWAY SYSTEM)

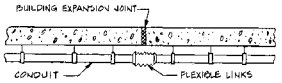
1. PROVIDE NAMEPLATES ON ALL RACEWAYS RUN IN THE INTERSTITIAL SPACE IDENTIFYING THE SYSTEM SERVED AS DENOTED ON ABOVE SCHEDULES. NAMEPLATES SHALL BE LOCATED AT 10'-0" O.C. INTERVALS AND SHALL BE PLACED SO THEY CAN BE EASILY READ.
2. PROVIDE FIREPROOFING WHEREVER A WIREWAY PENETRATES A FIREWALL.
3. WIREWAY SHALL BE SUPPORTED AS SPECIFIED IN SPECIFICATIONS.
4. REFER TO DRAWINGS 100-E179 THRU 100-E253 FOR RACEWAY SYMBOLS.



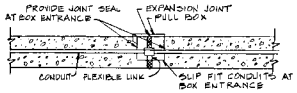
5 WIREWAY TRANSITION FROM S-3 ZONE TO S-4 ZONE
NOT TO SCALE



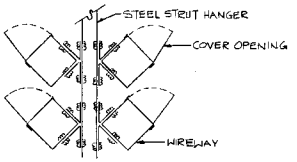
2 ALTERNATE MOUNTING METHOD S-4 ZONE
NOT TO SCALE



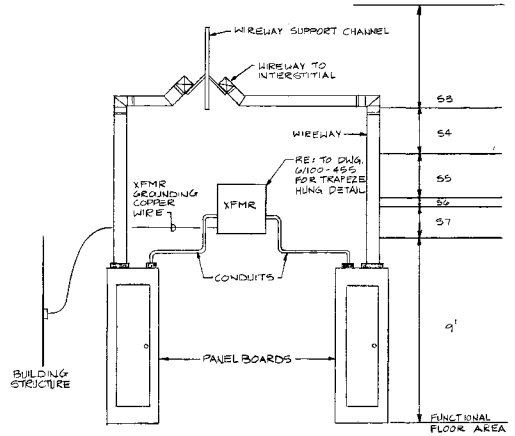
8 HORIZONTAL CONDUIT RUN ACROSS EXPANSION JOINT
NOT TO SCALE



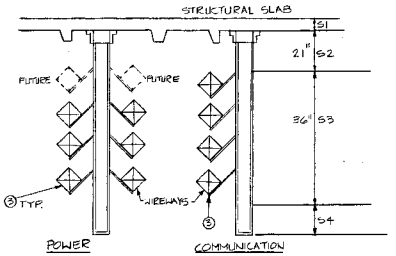
7 CONCEALED CONDUIT CROSSING EXPANSION JOINT
NOT TO SCALE



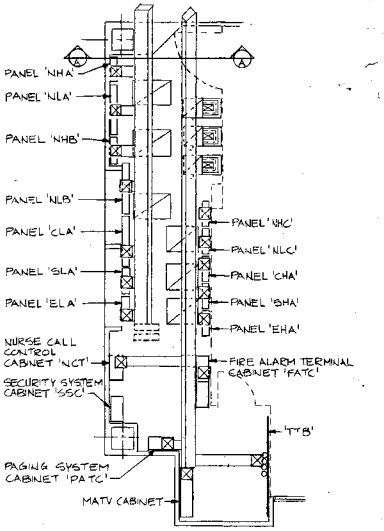
4 WIREWAY IN S-4 ZONE
NOT TO SCALE



6 TYPICAL WIREWAY CONNECTION IN ELECTRICAL ROOM
NOT TO SCALE

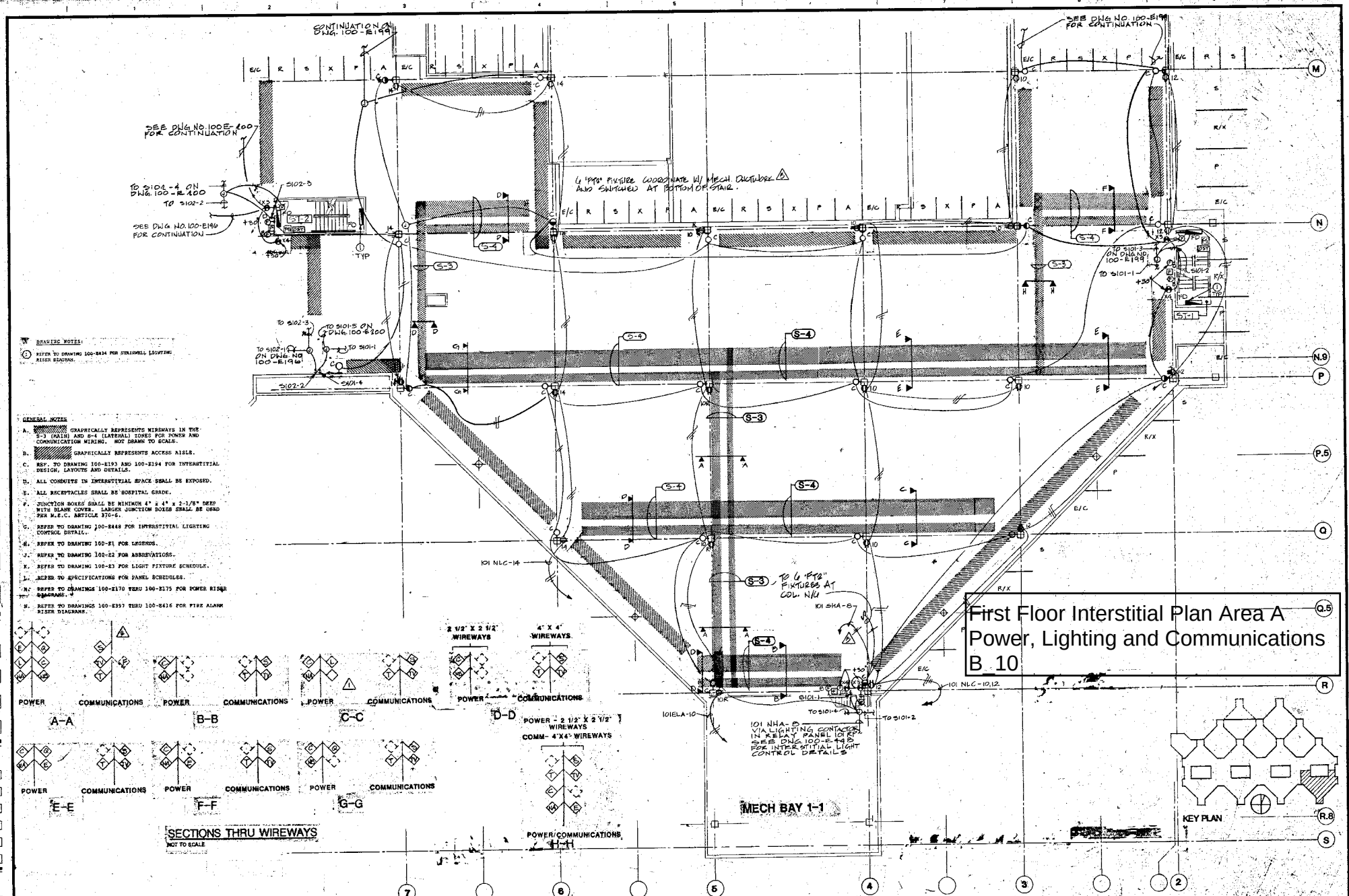


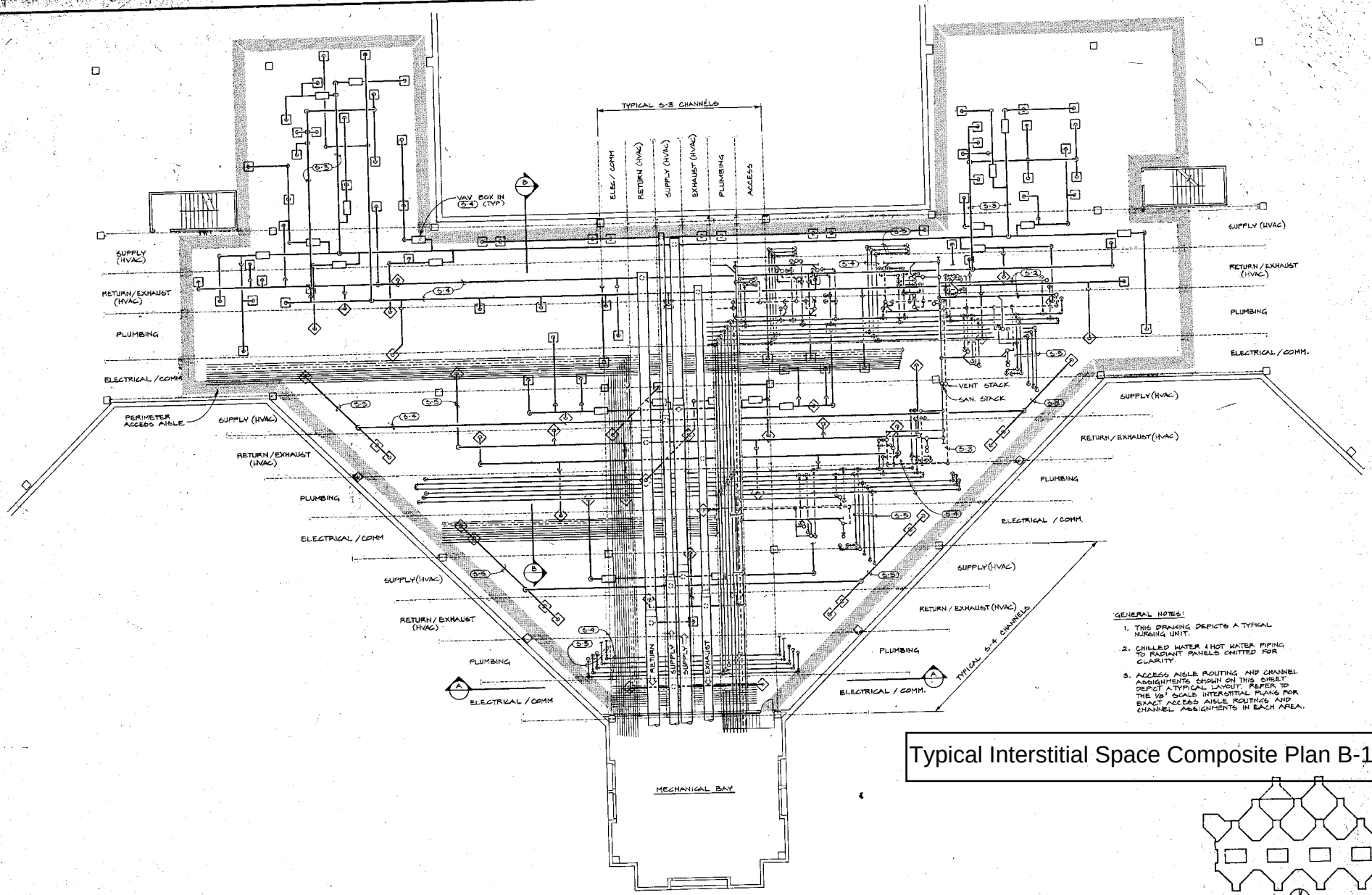
3 SECTION A-A
NOT TO SCALE



1 TYPICAL WIREWAY SYSTEM AT ELECTRICAL ROOM
NOT TO SCALE

Interstital Space Details and Sections B-9


First Floor Interstitial Plan Area A
Power, Lighting and Communications
B_10
SEE DWG NO. 100-E199 FOR CONTINUATION
CONTINUATION ON DWG. 100-E199
SEE DWG NO. 100E-200 FOR CONTINUATION
SEE DWG NO. 100-E196 FOR CONTINUATION
6 "PT2" FIXTURE COORDINATE W/ MECH. CRITICAL WORK AND SWITCHED AT BOTTOM OF STAIR.
TO 6 "PT2" FIXTURES AT COL. N/6
101 NHA-5 VIA LIGHTING CONTACTOR IN RELAY PANEL 101 RP SEE DWG. 100-E195 FOR INTERSTITIAL LIGHT CONTROL DETAILS
MECH BAY 1-1
KEY PLAN
SECTIONS THRU WIREWAYS
NOT TO SCALE
POWER
COMMUNICATIONS
A-A
B-B
C-C
D-D
E-E
F-F
G-G
H-H
2 1/2" X 2 1/2" WIREWAYS
4" X 4" WIREWAYS
POWER - 2 1/2" X 2 1/2" WIREWAYS
COMM - 4"X4" WIREWAYS
POWER/COMMUNICATIONS
DRAWING NOTES:
1. REFER TO DRAWING 100-E434 FOR STAIRWELL LIGHTING RISER DIAGRAM.
GENERAL NOTES
A. GRAPHICALLY REPRESENTS WIREWAYS IN THE S-3 (MAIN) AND S-4 (LATERAL) ZONES FOR POWER AND COMMUNICATION WIRING. NOT DRAWN TO SCALE.
B. GRAPHICALLY REPRESENTS ACCESS AISLE.
C. REF. TO DRAWING 100-E193 AND 100-E194 FOR INTERSTITIAL DESIGN, LAYOUTS AND DETAILS.
D. ALL CONDUITS IN INTERSTITIAL SPACE SHALL BE EXPOSED.
E. ALL RECEPTACLES SHALL BE HOSPITAL GRADE.
F. JUNCTION BOXES SHALL BE MINIMUM 4" x 4" x 2-1/8" DEEP WITH BLANK COVER. LARGER JUNCTION BOXES SHALL BE USED PER N.E.C. ARTICLE 370-6.
G. REFER TO DRAWING 100-E448 FOR INTERSTITIAL LIGHTING CONTROL DETAIL.
H. REFER TO DRAWING 100-E1 FOR LEGENDS.
J. REFER TO DRAWING 100-E2 FOR ABBREVATIONS.
K. REFER TO DRAWING 100-E3 FOR LIGHT FIXTURE SCHEDULE.
L. REFER TO SPECIFICATIONS FOR PANEL SCHEDULES.
M. REFER TO DRAWINGS 100-E170 THRU 100-E175 FOR POWER RISER DIAGRAMS.
N. REFER TO DRAWINGS 100-E397 THRU 100-E416 FOR FIRE ALARM RISER DIAGRAMS.

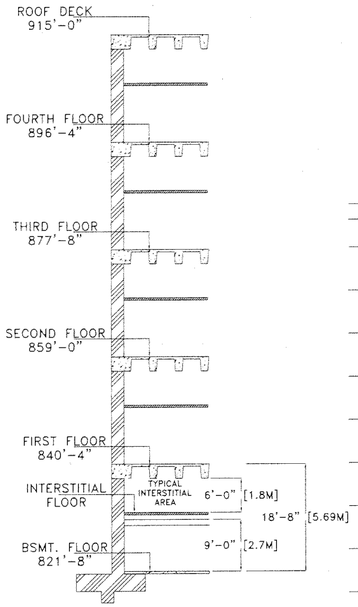


GENERAL NOTES:

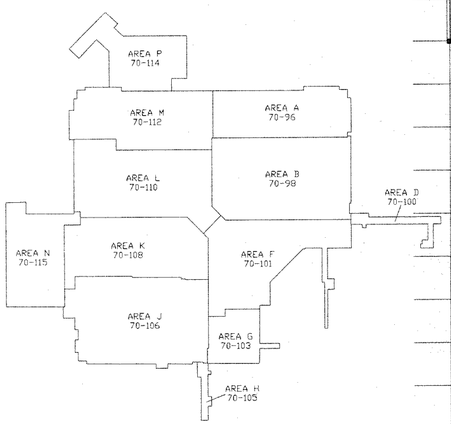
1. THIS DRAWING DEPICTS A TYPICAL NURSING UNIT.
2. CHILLED WATER & HOT WATER PIPING TO RADIANT PANELS OMITTED FOR CLARITY.
3. ACCESS AISLE ROUTING AND CHANNEL ASSIGNMENTS SHOWN ON THIS SHEET DEPICT A TYPICAL LAYOUT. REFER TO THE 1/8" SCALE INTERSTITIAL PLANS FOR EXACT ACCESS AISLE ROUTINGS AND CHANNEL ASSIGNMENTS IN EACH AREA.

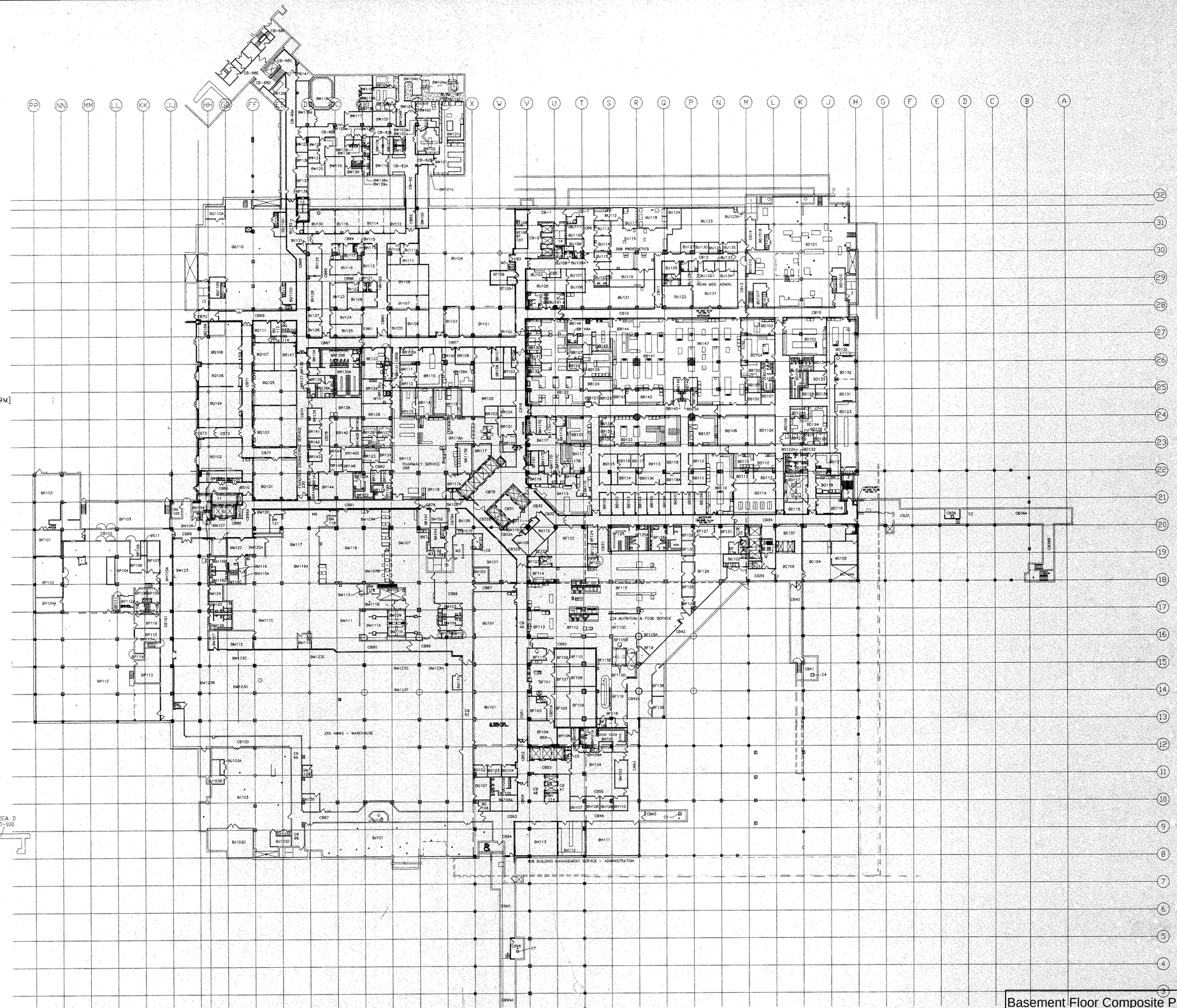
Typical Interstitial Space Composite Plan B-11

KEY PLAN

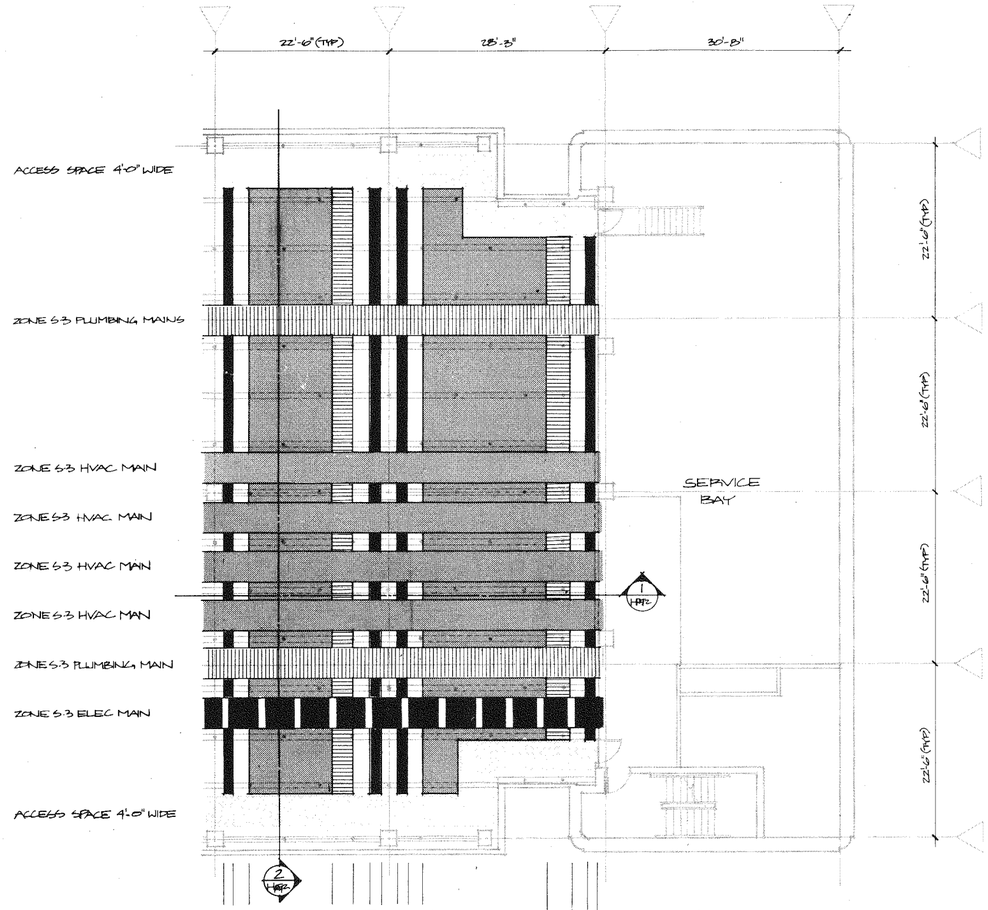


TYPICAL ELEVATION
SCALE: NOT TO SCALE

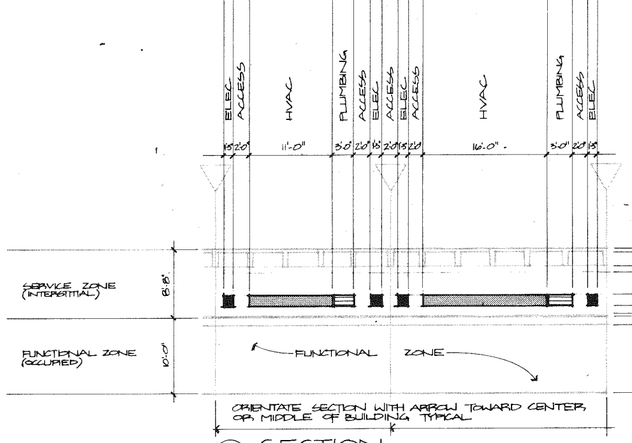




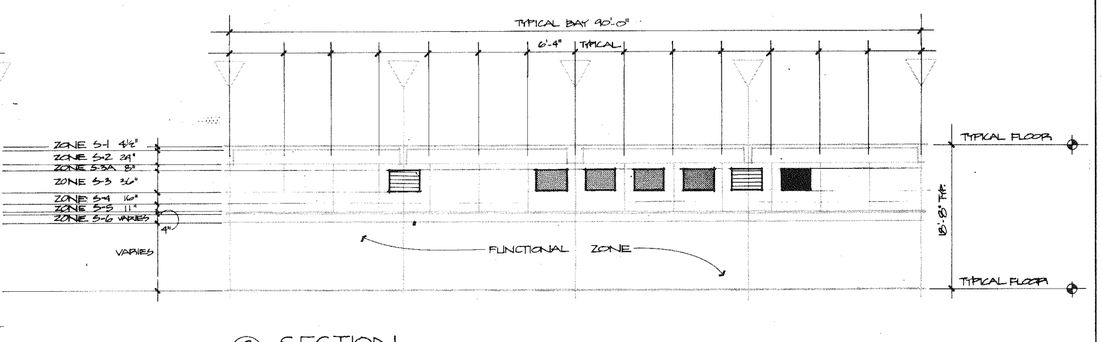
Basement Floor Composite Plan B-12



INTERSTITIAL PLAN
1/8" = 1'-0"

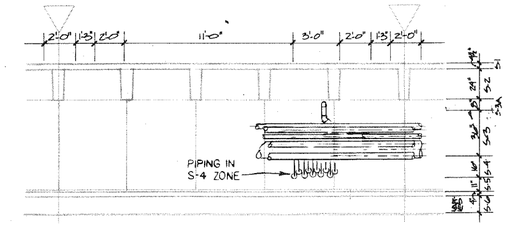


1 (H52) SECTION
1/8" = 1'-0"

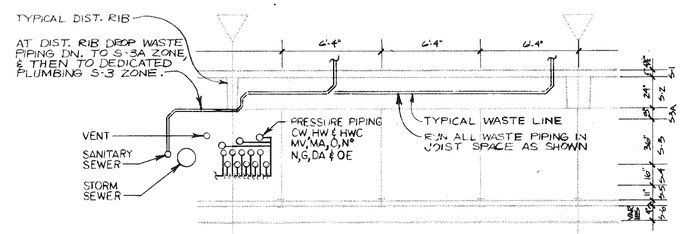


2 (H52) SECTION
1/8" = 1'-0"

NOTE: A. SEE 1/32" S-3 LEVEL INTERSTITIAL PLANS FOR EQUIPMENT LOCATIONS IN ZONE S-3
B. SEE SHT 1.1-180 FOR SECTIONS THRU INTERSTITIAL @ 1/4" = 1'-0" SCALE

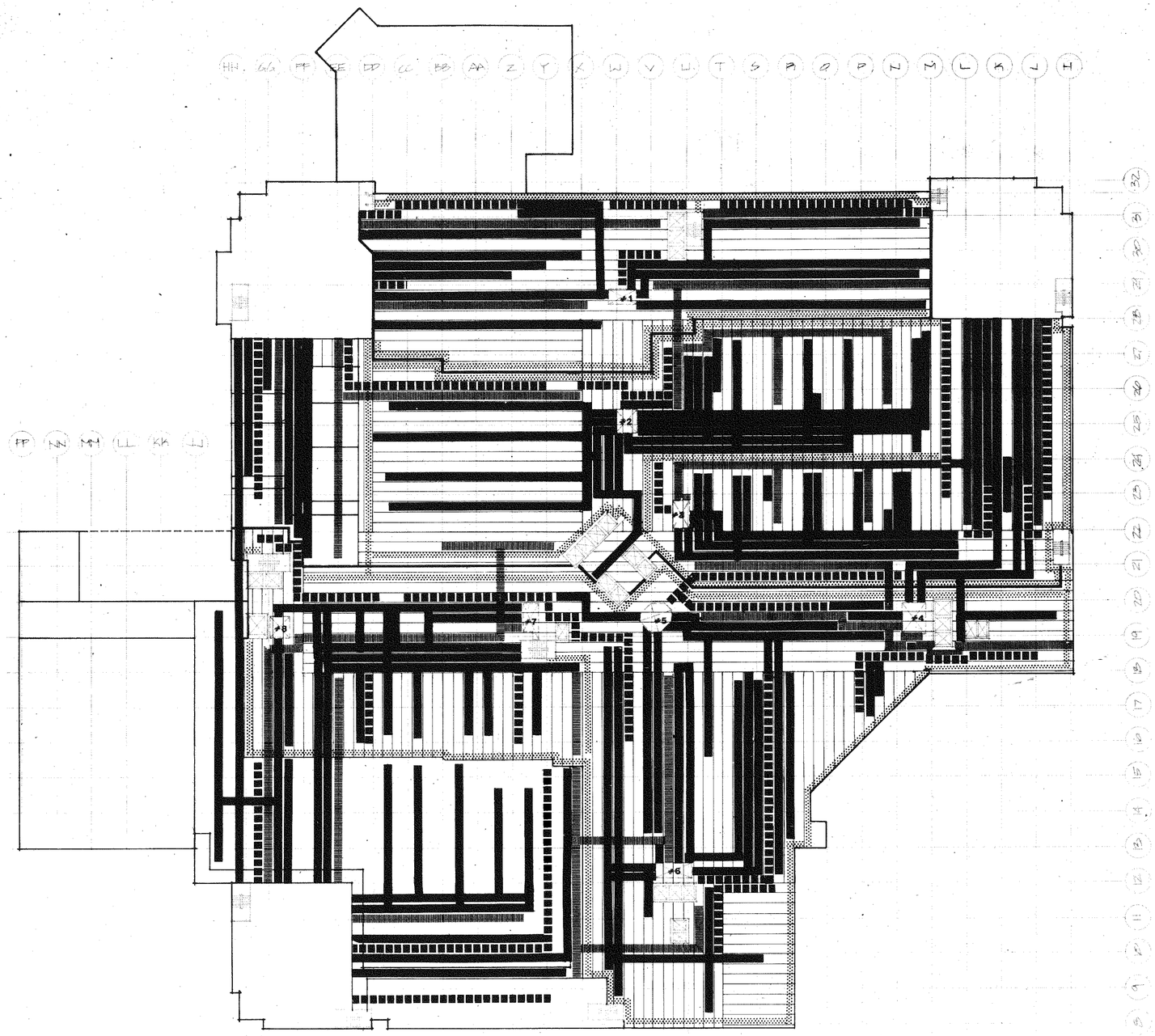


SECTION SIMILAR TO SECTION #1 THIS SHT
SCALE 1/4" = 1'-0"



SECTION SIMILAR TO SECTION #2 THIS SHT
SCALE 1/4" = 1'-0"

Interstitial Services and Zoning Arrangement B-13



HVAC
PLUMBING
ELECTRICAL
ACCESS

NOTES REGARDING LEVEL S-3 DISTRIBUTION

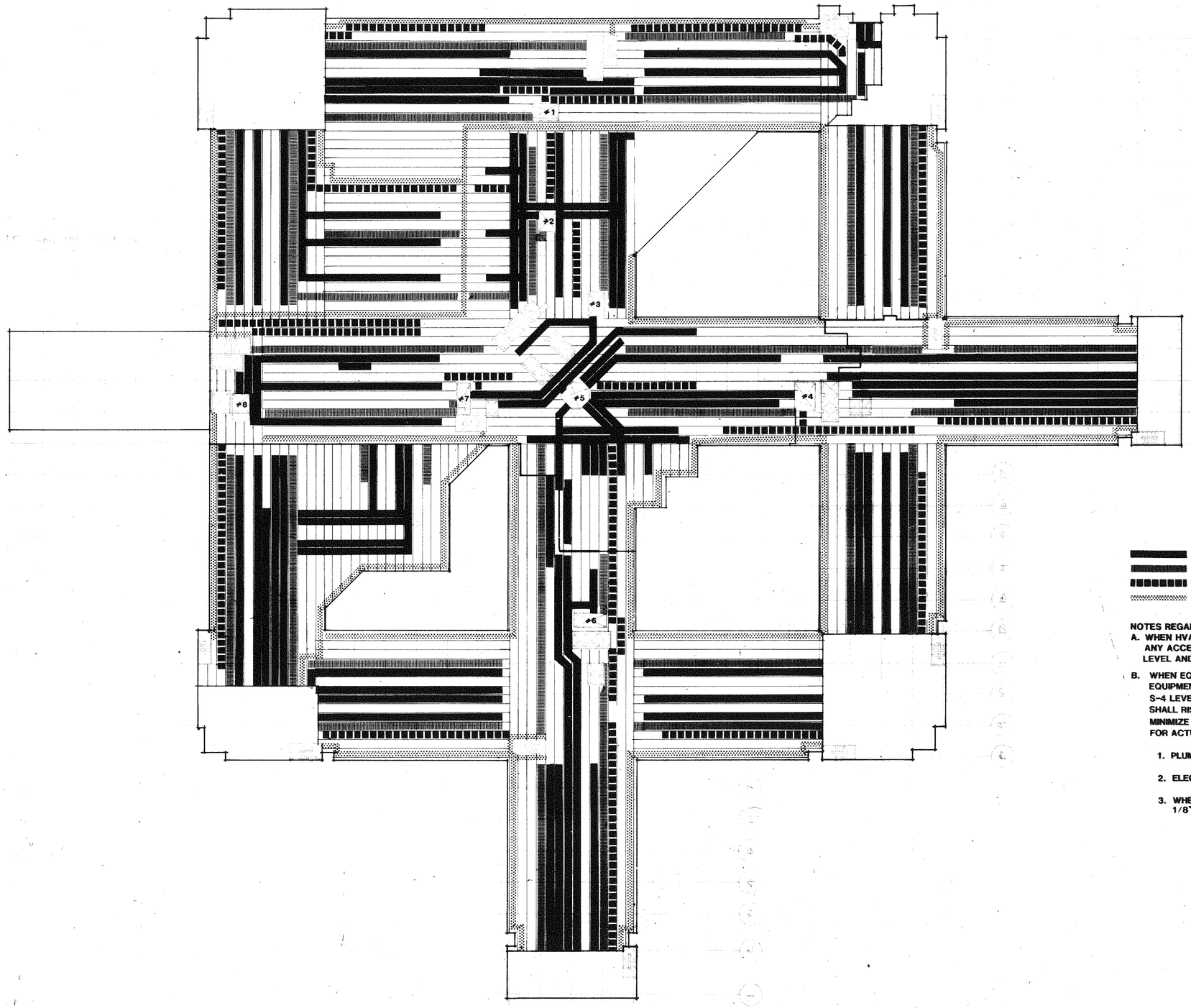
A. WHEN HVAC PLUMBING OR ELEC EQUIPMENT INTERSECTS ANY ACCESS SPACE, EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT.

B. WHEN EQUIPMENT INTERSECTS EQUIPMENT THE YIELDING EQUIPMENT SHALL DROP DOWN TO ITS DEDICATED S-4 LEVEL SPACE AS REQUIRED, OR YEILDING EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT. SEE 1/8" PLANS FOR ACTUAL EQUIPMENT LOCATION.

1. PLUMBING SHALL YIELD TO ALL OTHER EQUIPMENT.
2. ELEC SHALL YIELD TO HVAC.
3. WHEN HVAC INTERSECTS HVAC SEE 1/8" HVAC INTERSTITIAL PLANS.

Basement S-3 level Interstitial plan B-14

14-0-53 P.2
14-0-53



HVAC
PLUMBING
ELECTRICAL
ACCESS

NOTES REGARDING LEVEL S-3 DISTRIBUTION

A. WHEN HVAC PLUMBING OR ELEC EQUIPMENT INTERSECTS ANY ACCESS SPACE, EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT.

B. WHEN EQUIPMENT INTERSECTS EQUIPMENT THE YIELDING EQUIPMENT SHALL DROP DOWN TO ITS DEDICATED S-4 LEVEL SPACE AS REQUIRED, OR YEILDING EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT. SEE 1/8" PLANS FOR ACTUAL EQUIPMENT LOCATION.

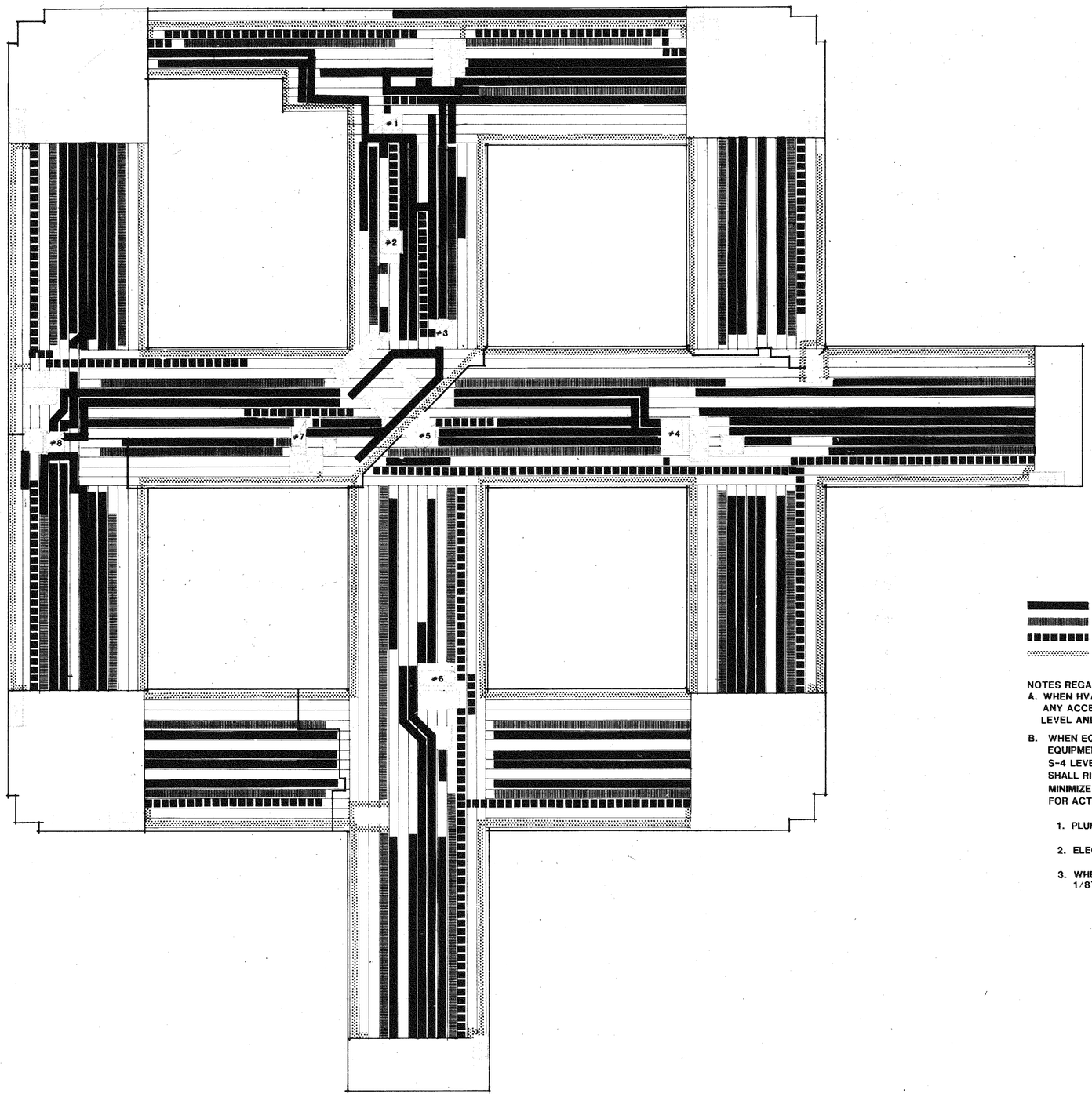
1. PLUMBING SHALL YIELD TO ALL OTHER EQUIPMENT.

2. ELEC SHALL YIELD TO HVAC.

3. WHEN HVAC INTERSECTS HVAC SEE 1/8" HVAC INTERSTITIAL PLANS.

First Floor S-3 Level Interstitial Plan B-15

[redacted]



HVAC
PLUMBING
ELECTRICAL
ACCESS

NOTES REGARDING LEVEL S-3 DISTRIBUTION

A. WHEN HVAC PLUMBING OR ELEC EQUIPMENT INTERSECTS ANY ACCESS SPACE, EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT.

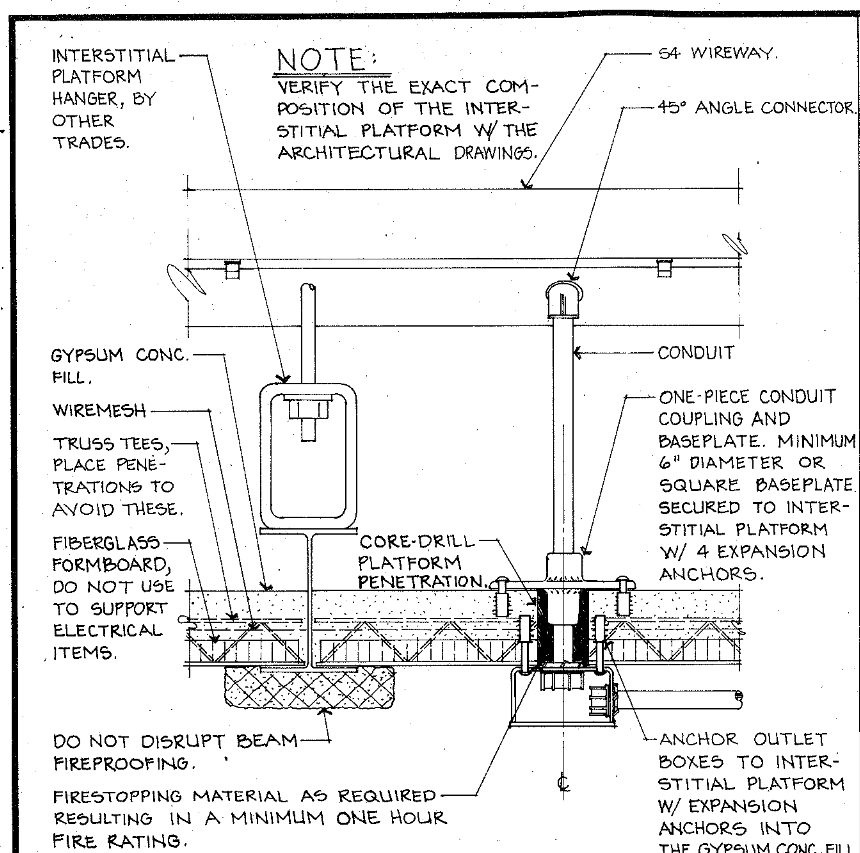
B. WHEN EQUIPMENT INTERSECTS EQUIPMENT THE YIELDING EQUIPMENT SHALL DROP DOWN TO ITS DEDICATED S-4 LEVEL SPACE AS REQUIRED, OR YEILDING EQUIPMENT SHALL RISE UP TO S-3A LEVEL AND BE ARRANGED AS TO MINIMIZE DEPTH OF EQUIPMENT. SEE 1/8" PLANS FOR ACTUAL EQUIPMENT LOCATION.

1. PLUMBING SHALL YIELD TO ALL OTHER EQUIPMENT.

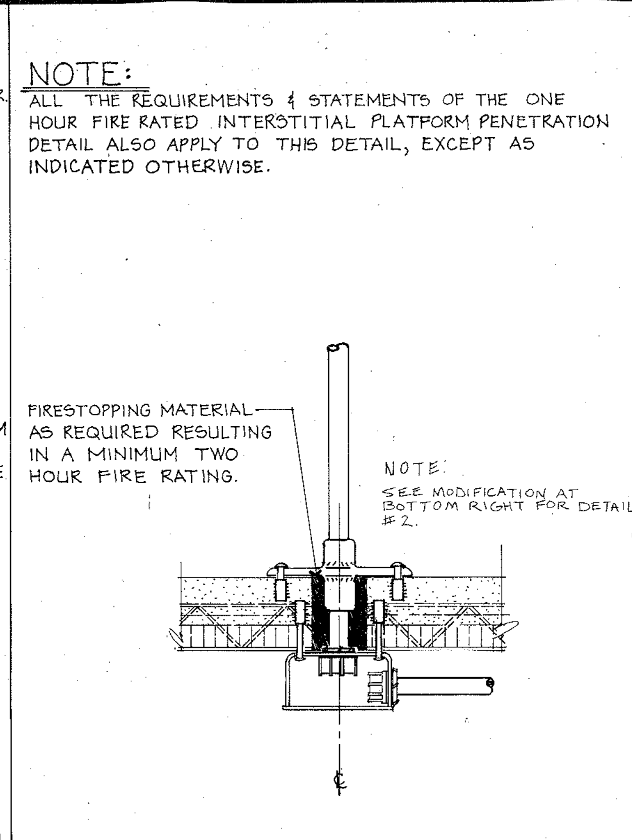
2. ELEC SHALL YIELD TO HVAC.

3. WHEN HVAC INTERSECTS HVAC SEE 1/8" HVAC INTERSTITIAL PLANS.

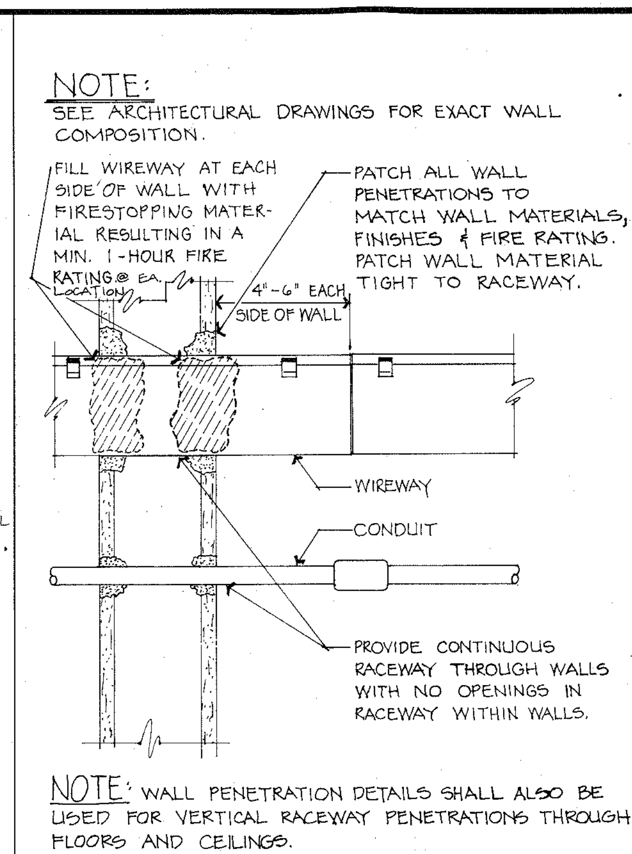
Fourth Floor S-3 Level Interstitial Plan B-16



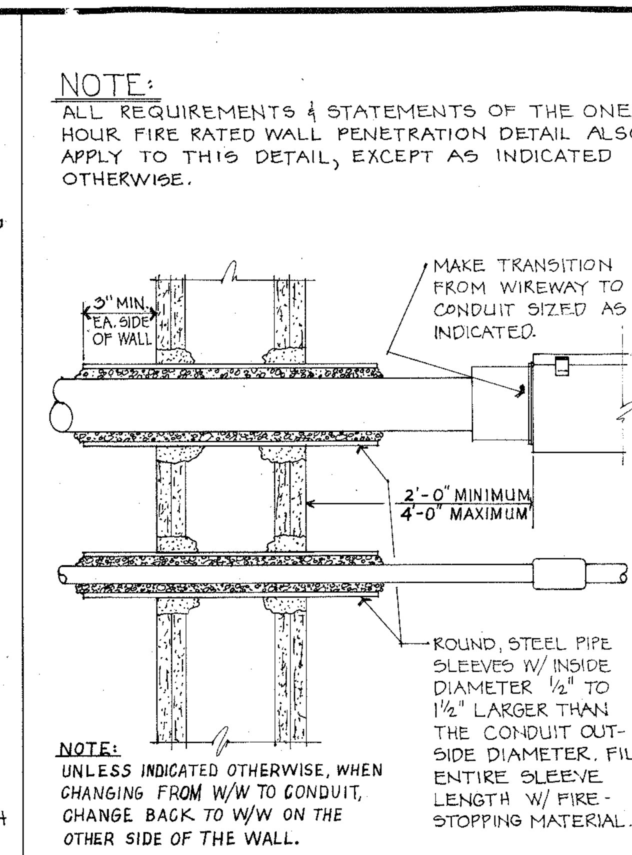
(1.) ONE HOUR FIRE RATED INTERSTITIAL PLATFORM PENETRATION DETAIL SCALE: 3" = 1'-0"



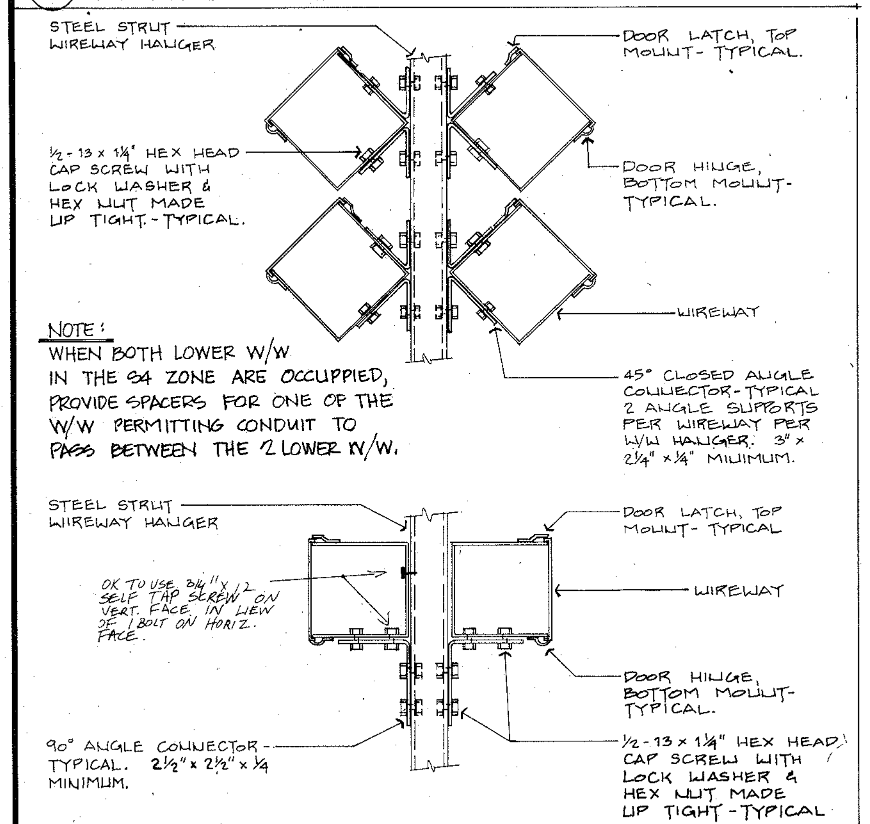
(2) TWO HOUR FIRE RATED INTERSTITIAL PLATFORM PENETRATION DETAIL SCALE: 3" = 1'-0"



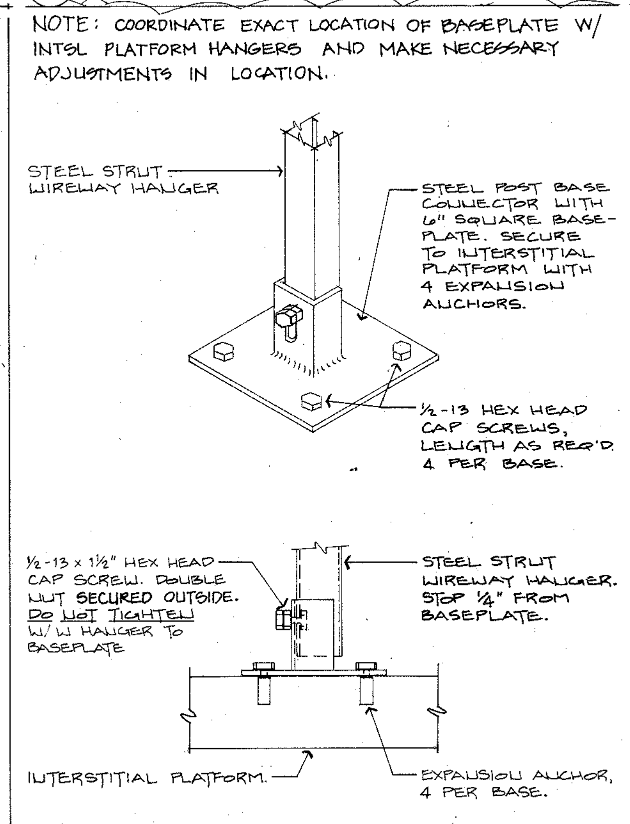
(3) ONE HOUR FIRE RATED WALL PENETRATION DETAIL SCALE: 3" = 1'-0"



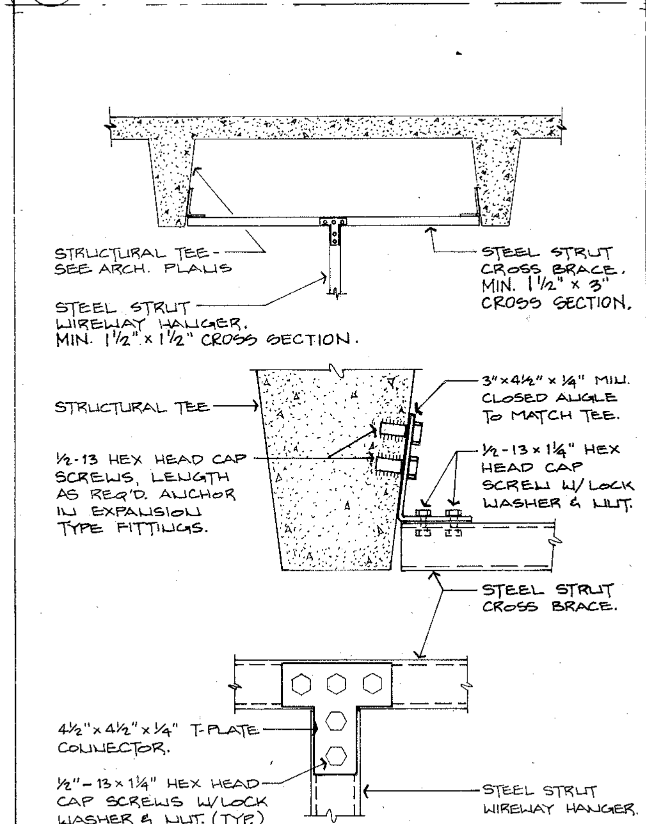
(4) TWO HOUR FIRE RATED WALL PENETRATION DETAIL SCALE: 3" = 1'-0"



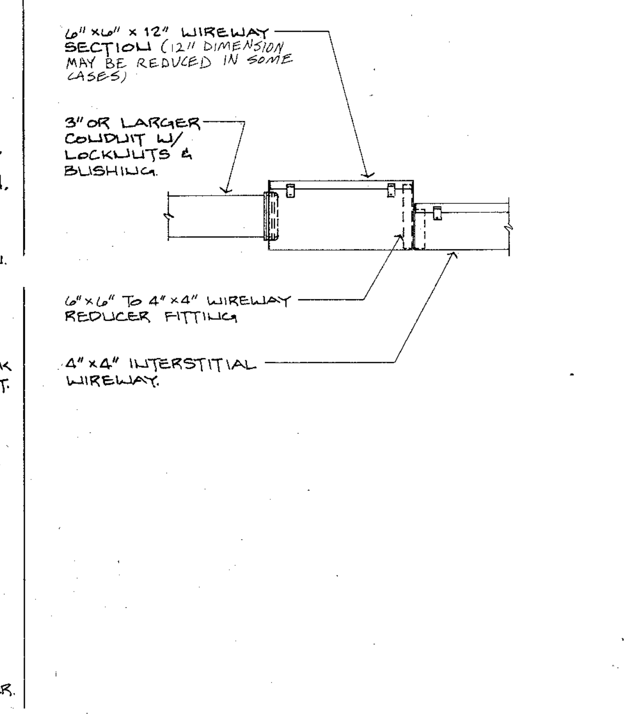
(5) WIREWAY TO WIREWAY HANGER SUPPORT DETAILS NO SCALE



(6) WIREWAY HANGER BOTTOM ANCHORING DETAIL NO SCALE



(7) WIREWAY HANGER TOP ANCHORING DETAIL NO SCALE



(8) TERMINATION DETAIL - LARGE CONDUIT (3" OR GREATER) TO 4" x 4" WIREWAY NO SCALE

INTERSTITIAL GENERAL NOTES:

(APPLY TO ALL INTERSTITIAL ELECTRICAL WORK)

1. PROVIDE RACEWAY INSTALLED IN S3 AND S4 ZONES ROUTED THE ENTIRE ZONE LENGTH INDICATED ON THE 1/8" SCALE PLANS UNLESS SPECIFICALLY INDICATED OTHERWISE TO END AT A SHORTER LENGTH.

2. ROUTE SPECIFIC CIRCUIT CONDUCTORS AND TELECOMMUNICATIONS SYSTEM CABLES ONLY IN THE SPECIFIC RACEWAY OF ZONES S3 AND S4 INDICATED FOR THE USE OF THE RESPECTIVE PANELBOARDS AND TELECOMMUNICATIONS SYSTEMS, AS INDICATED ON THE DRAWINGS.

3. LABEL EACH RACEWAY IN THE DESIGNATED S3 AND S4 ZONES WITH PAINTED, STENCILED LETTERING INDICATING THE PANELBOARD OR TELECOMMUNICATIONS SYSTEM CONTAINED. THIS LABELING COLOR SHALL CONTRAST WITH THE WIREWAY COLOR AND SHALL OCCUR AT LEAST EVERY 20 LINEAR FEET.

4. WIREWAY NOTED "FUTURE" ON THE DETAILS DENOTE LOCATIONS THAT MUST BE KEPT OPEN UNDER THIS CONTRACT. SUCH LOCATIONS SHALL BE KEPT AVAILABLE FOR FUTURE RACEWAY INSTALLATION.

5. PROVIDE NO WIREWAY HANGERS WHERE ALL THE SUPPORTED RACEWAY ARE NOTED "FUTURE".

6. PROVIDE ALL NECESSARY TRANSITIONS FROM ZONES S5 AND BELOW THROUGH THE FUNCTIONAL FLOOR TO THE S4 RACEWAY, FROM THE S4 RACEWAY TO THE S3 RACEWAY, AND TO TERMINATIONS AT PANELS, CABINETS, AND EQUIPMENT MOUNTING BOARDS. THESE TRANSITIONS SHALL CONSIST OF CONTINUOUS RACEWAY COMPLETELY ENCLOSING ALL RELATED CONDUCTORS AND CABLES. WIREWAY TO WIREWAY TRANSITIONS SHALL CONSIST OF FITTINGS MANUFACTURED BY THE WIREWAY MANUFACTURER FOR THE PURPOSE AND PERMITTING LAY-IN INSTALLATION OF WIRE AND CABLE AFTER THE WIREWAY INSTALLATION IS COMPLETE.

7. ADJUST FINAL LOCATIONS OF INTERSTITIAL PLATFORM PENETRATIONS AS REQUIRED TO COORDINATE WITH THE WORK OF OTHER TRADES.

8. THE "DOWN" SYMBOLS AT THE INTERSTITIAL RACEWAY DENOTE LOCATIONS OF INTERSTITIAL PLATFORM PENETRATIONS AND SPLICES IN THE INTERSTITIAL RACEWAY. SEE THE FUNCTIONAL FLOOR PLANS FOR WIRE SIZES LOAD-SIDE OF THE SPLICES.

9. INTERSTITIAL HOMERUNS; INDICATED BY PANELBOARD NAME, CIRCUIT NUMBER, AND "DOWN" SYMBOL; SHALL HAVE THE SAME SIZE WIRES AS THE FUNCTIONAL FLOOR WHEN NO WIRE SIZE IS INDICATED AT THE INTERSTITIAL HOMERUN.

10. WHEN A WIRE SIZE (FOR EXAMPLE: #10) APPEARS NEAR THE INTERSTITIAL HOMERUN, THAT WIRE SIZE SHALL BE USED FOR THE INDICATED CIRCUITS WHILE ROUTED IN INTERSTITIAL RACEWAY. MAKE TRANSITION TO THE INTERSTITIAL WIRE SIZE IN THE S3 AND S4 RACEWAY AT THE "DOWN" SYMBOL LOCATION.

11. IF THE CIRCUIT IS TO HAVE A GROUND WIRE OTHER THAN THE W/W COMMON GROUND THE GROUND WIRE SIZE SHALL BE AS DESCRIBED IN 9 AND 10 ABOVE, BUT SHALL BE INDICATED SEPARATELY FROM THE CURRENT CARRYING CONDUCTOR SIZE AND IDENTIFIED (FOR EXAMPLE: #10 + 1#10 GND; WHICH INDICATES FUNCTIONAL FLOOR CURRENT CARRYING CONDUCTORS CHANGING TO #10 AND FUNCTIONAL FLOOR GROUND CONDUCTOR CHANGING TO #10 ALSO.)

12. WHEN TERMINATING AND SPLICING CONDUCTORS, MATCH WIRE SIZE WITH THE PROPER TERMINAL AND LUG WIRE SIZE RANGE.

13. WHEN WIRES ENTERING A PANELBOARD WOULD BE LARGER THAN THE OVERCURRENT DEVICE LUG WIRE SIZE RANGE, REDUCE WIRE SIZE WITH A SPLICE WITHIN THE RACEWAY JUST ABOVE THE PANELBOARD. THE SMALLEST ACCEPTABLE WIRE SIZE FOR CONNECTION TO OVERCURRENT DEVICES SHALL BE EQUAL TO THE SMALLEST BRANCH CIRCUIT WIRE SIZE USED ON THE FUNCTIONAL FLOOR FOR THE CIRCUIT UNDER CONSIDERATION.

14. PROVIDE THE FOLLOWING EQUIPMENT GROUNDING CONDUCTORS IN INTERSTITIAL RACEWAY:

A. A W/W COMMON #4 AWG BARE COPPER GROUND WIRE IN ALL S3 & S4 POWER WIREWAY (NOT IN TELECOMMUNICATIONS WIREWAY) UNLESS INDICATED OTHERWISE.

B. WHEN NO GROUND WIRE IS INDICATED AT THE INTERSTITIAL HOMERUN, BOND THE FUNCTIONAL FLOOR GROUND WIRE TO THE COMMON #4 AWG GROUND WIRE IN THE RESPECTIVE WIREWAY AT THE "DOWN" SYMBOL LOCATION.

C. WHEN A GROUND WIRE IS INDICATED WITH A DESIGNATION (FOR EXAMPLE: #10 + 1#10 GND TO ...), ROUTE THE GROUND CONDUCTOR OF THE SIZE INDICATED FROM THE "DOWN" SYMBOL TO THE COMMON #4 AWG GROUND WIRE AT THE INDICATED LOCATION AND BOND THE TWO TOGETHER AT THAT LOCATION.

D. WHEN AN INDICATED INTSL GND WIRE IS NOT SHOWN TO A SPECIFIC INTSL W/W, IT IS A DEDICATED GROUND AND IT SHALL BE ROUTED TO THE GROUND BUS IN ITS RESPECTIVE PANELBOARD WITHOUT BEING BONDED TO ANY OTHER GROUND IN THE INTERSTITIAL SPACE. THE SAME REQUIREMENTS APPLY TO GROUND WIRES NOTED AS ROUTED TO A SPECIFIC PANELBOARD.

E. BOND WIREWAY TO W/W COMMON #4 AWG BARE GROUND WIRE AT LEAST EVERY 20 FEET UNLESS A W/W COMMON GROUND IS NOT PROVIDED.

15. INTERSTITIAL WIRING NOT IN THE S3 AND S4 RACEWAY SHALL COMPLY WITH WIRE AND CONDUIT SIZING RULES USED ON THE FUNCTIONAL FLOOR.

16. ROUTE CONDUITS EXPOSED IN THE INTERSTITIAL SPACE ALONG THE WALLS, IN THE S2 SPACE, AND AS INDICATED IN THE S3A, S3, S4, AND S5 ZONES. TO CROSS BEAMS AND OTHER STRUCTURAL MEMBERS, ROUTE CONDUIT IN THE S3A ZONE, BUT STAY TO THE TOP OF THE ZONE AND IN ALL CASES YIELD TO OTHER TRADES, ESPECIALLY PNEUMATIC TUBES.

17. IN THE INTERSTITIAL SPACE, INSTALL ALL DEVICES AT THE STANDARD MOUNTING HEIGHTS ABOVE THE INTERSTITIAL PLATFORM UNLESS INDICATED OTHERWISE FOR SPECIFIC DEVICES.

18. INSTALL TYPE 10 LIGHT FIXTURES IN THE INTERSTITIAL SPACE WITH THE BOTTOMS OF THE FIXTURES EVEN WITH THE BOTTOM OF THE INTERSTITIAL S2 ZONE. ADJUST EXACT FIXTURE LOCATIONS SLIGHTLY AS REQUIRED TO MAXIMIZE LIGHT OUTPUT AND TO PERMIT LAMP REPLACEMENT. ADJUST LIGHTING JUNCTION BOX LOCATIONS AS REQUIRED TO MAINTAIN ACCESSIBILITY.

19. INSTALL INTERSTITIAL SPACE EXIT LIGHTS SO THAT THE TOPS OF THE FIXTURES ARE EVEN WITH THE BOTTOM OF THE S2 ZONE. ALSO, INSTALL EXIT LIGHTS WITH MINIMUM INTRUSION INTO THE ACCESS SPACE BUT WITH MAXIMUM VISIBILITY.

20. PROVIDE FIRESTOPPING AS PER DETAILS 1/E206, 2/E206, 3/E206, AND 4/E206 FOR ALL ELECTRICAL PENETRATIONS OF WALLS, FLOORS, AND CEILINGS; SUITABLE FOR THE FIRE RATINGS DESCRIBED IN THE ARCHITECTURAL DRAWINGS.

21. WIREWAYS:

A. WIREWAYS SHALL INCLUDE HINGED COVERS, EXCEPT REMOVABLE SCREW COVERS ARE ACCEPTABLE FOR STRAIGHT RUNS OF 24" OR LESS.

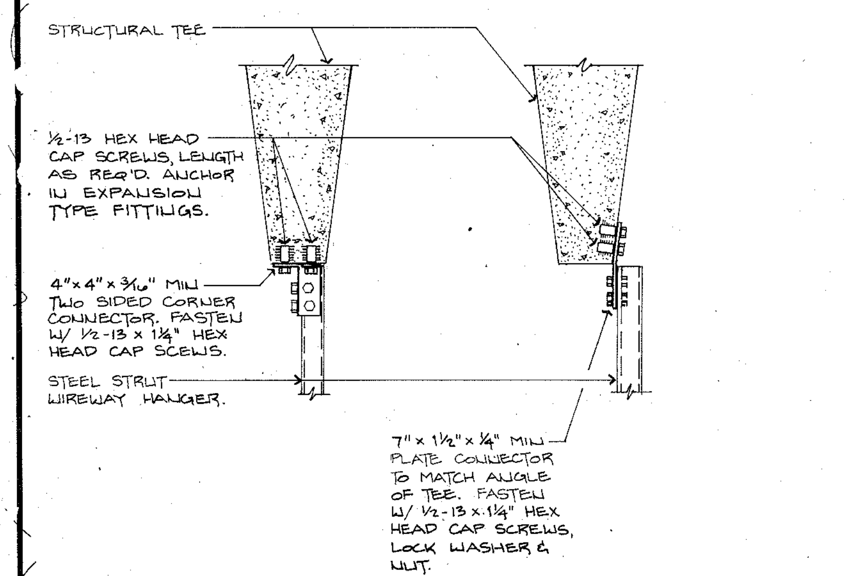
B. SPRING RETAINING CLIPS ARE REQUIRED IN ALL HORIZONTAL AND VERTICAL WIREWAY RUNS ON MAXIMUM 5'-0" CENTERS.

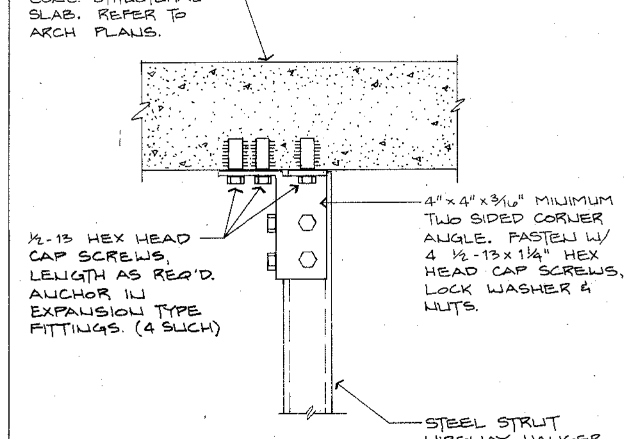
22. WHEN S3 W/W DROPS FROM INTSL TO FUNCTIONAL FLOOR CLOSETS, CONFLICT WITH FUNCTIONAL FLOOR WALLS; OFFSET W/W IN INTSL OR CUT AND PATCH WALLS TO OFFSET IN FUNCTIONAL FLOOR. SEE DETAIL 4/E229 FOR AN EXAMPLE.

23. PENETRATIONS OF INTSL PLATFORM SHALL NOT BE CLOSER THAN 6" ON CENTER.

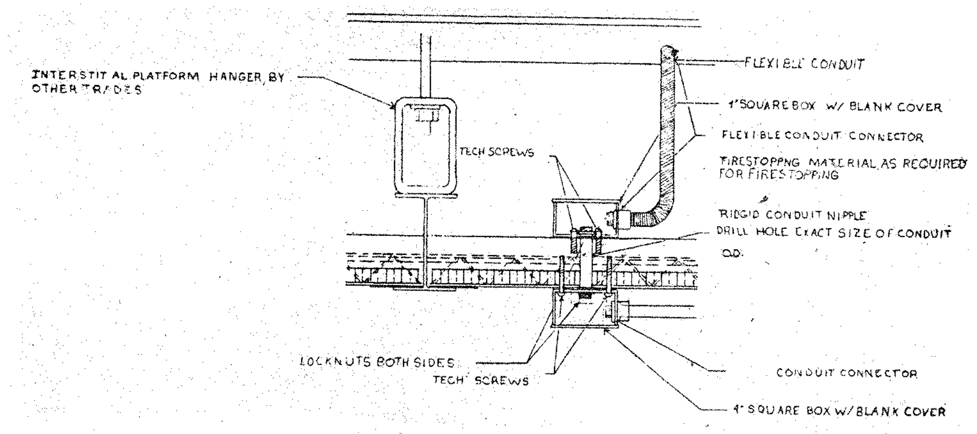
24. OFFSET CONDUIT DROPS THROUGH S5 ZONE AS NECESSARY TO COORDINATE WITH THE WORK OF OTHER TRADES.

25. ALL 4"x4" W/W SHALL BE U.L. LISTED FOR USE WITH WIRE SIZES UP TO AND INCLUDING #4/0 AWG. ALL 6"x6" W/W SHALL BE U.L. LISTED FOR USE WITH WIRE SIZES UP TO AND INCLUDING #500 MCM. THESE REQUIREMENTS APPLY TO WIRES ENTERING ANYWHERE ALONG THE LENGTH OR THE ENDS OF THE WIREWAY. STRAIGHT W/W RUNS, WHEN WIRES ONLY ENTER AT W/W ENDS, MAY HAVE WIRES EXCEEDING THESE SIZES PROVIDED TOTAL WIRE CROSS-SECTIONAL AREA DOES NOT EXCEED 20% OF TOTAL WIREWAY CROSS-SECTIONAL AREA.



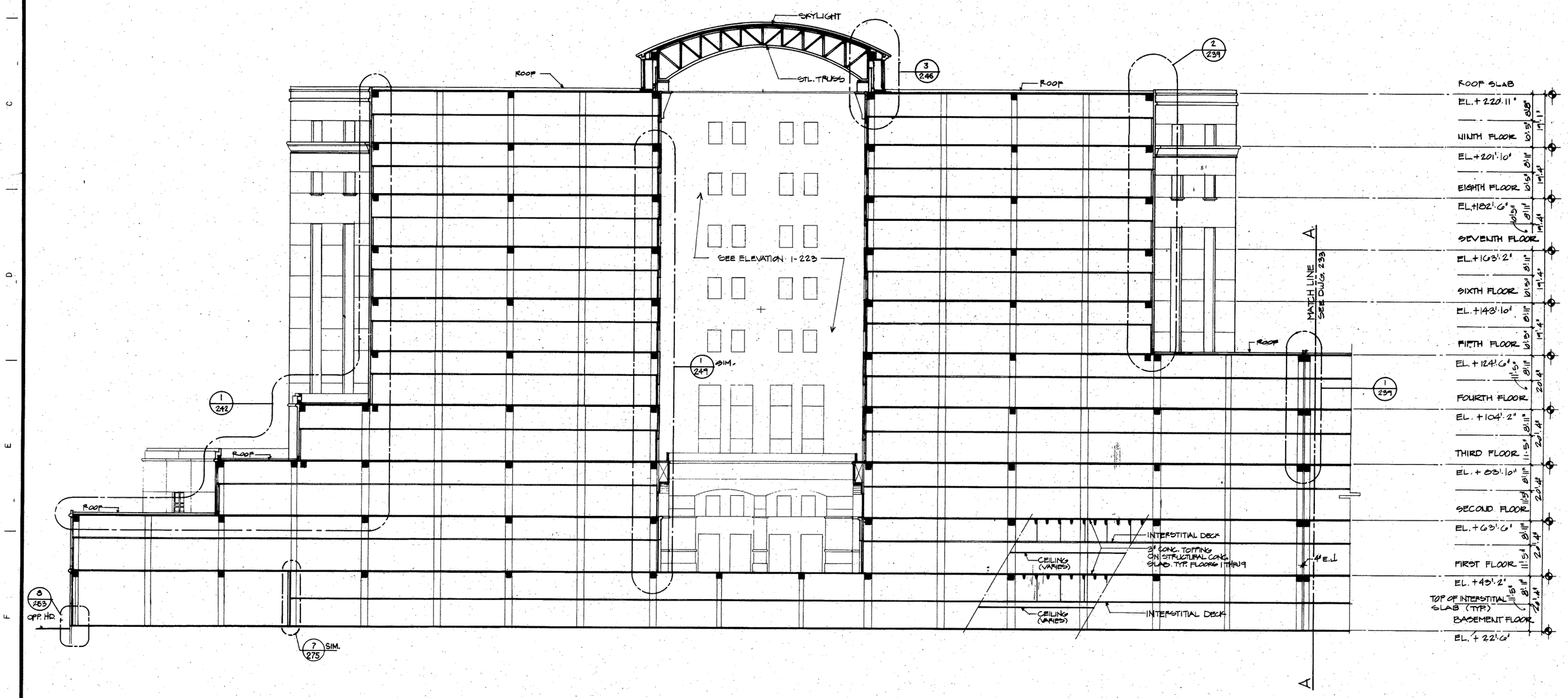


This detail modifies detail 2 of drawing 70-E206R1. The attached detail drawing is acceptable provided grounding is provided for flexible metal conduit per specification article 16450-3.3 paragraph G and paragraph K. There is fire stopping material also to be furnished as required by the specification and per detail 2 of 70-E206R1 which requires a minimum of 2 hour fire rating.



Interstitial Typical Details B-17

NOTE: ALL INFORMATION RELATED TO THE "RECORD DRAWINGS" WAS PROVIDED SOLELY BY THE GENERAL CONTRACTOR OF RECORD. THE ORIGINAL CONTRACT DOCUMENTS HAVE BEEN REVISED TO REFLECT THE GENERAL CONTRACTOR'S MARK-UPS AND THEREFORE NEITHER THE ARCHITECT NOR THE ENGINEER



1. BUILDING SECTION

1/16"=1'-0"

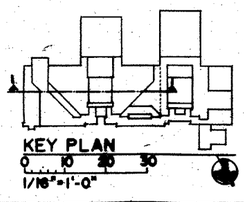
GENERAL NOTES:

1. THIS BUILDING SECTION IS ONLY A GENERAL DEPICTION OF THE PHYSICAL RELATIONSHIPS & MATERIALS USED. DETAILED STRUCTURAL INFORMATION, INTERIOR PARTITIONS, CEILINGS & EQUIP. ARE NOT SHOWN FOR CLARITY.

REFER TO WALL SECTIONS & DETAILS FOR ADDITIONAL INFORMATION

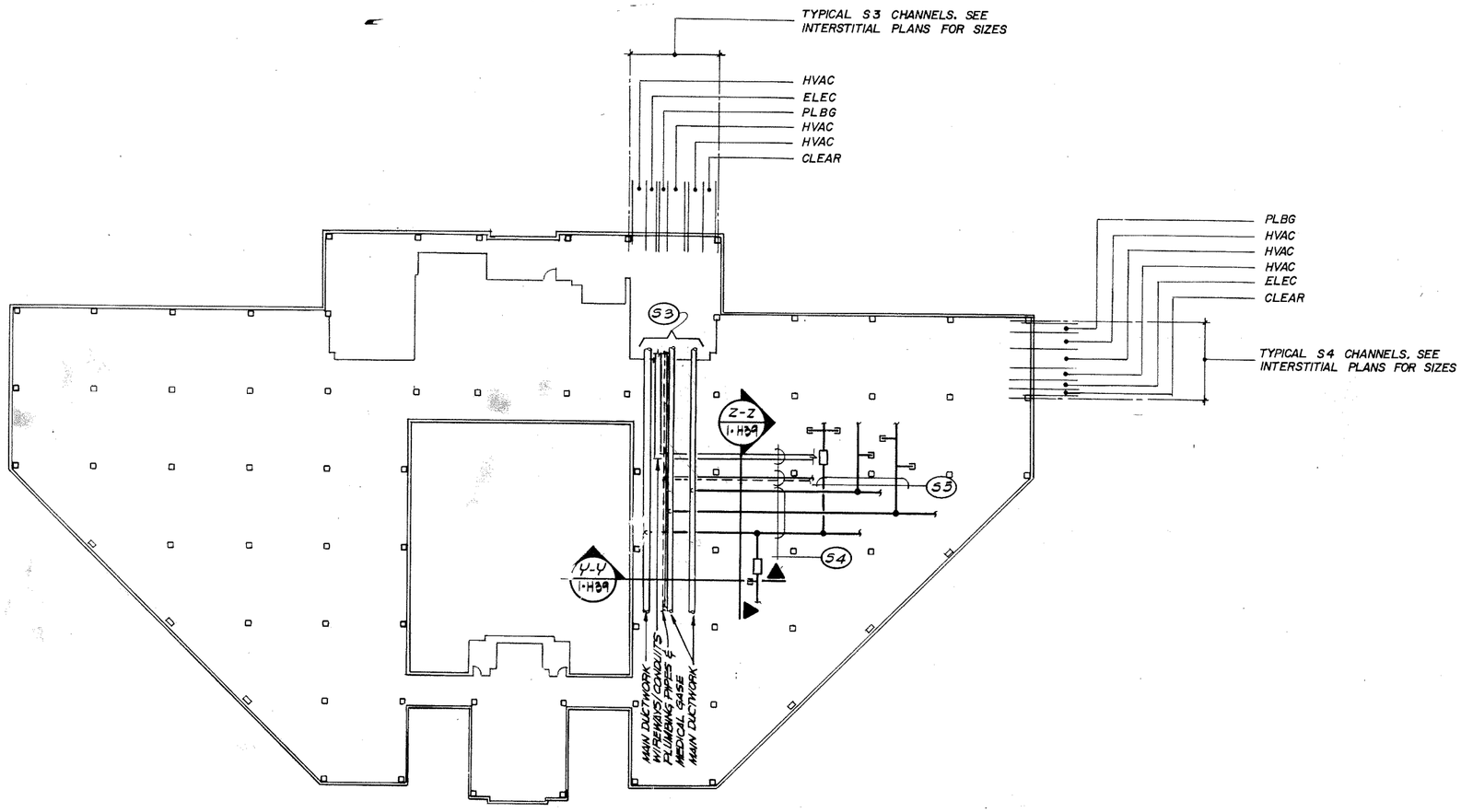
Buildign Gross Section B-18

7-3-2-2254

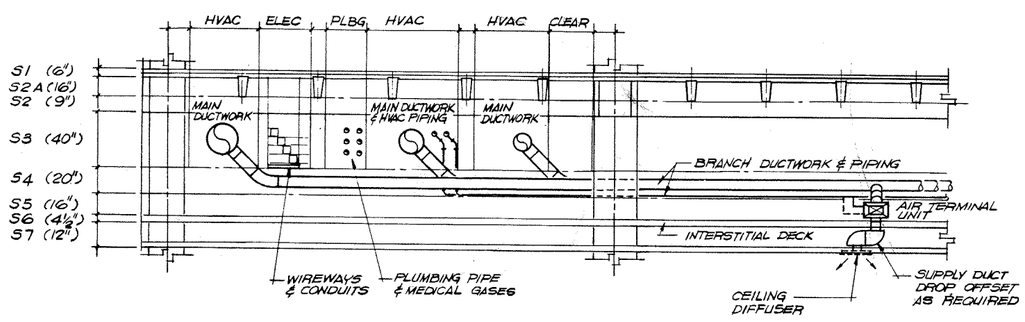


FULLY PROTECTED BY AUTOMATIC

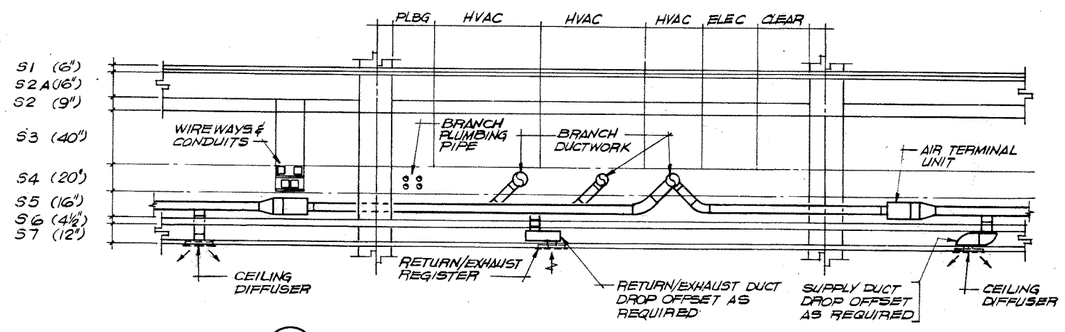
BRUNING 44-232 75587



TYPICAL INTERSTITIAL SPACE
N.T.S.



Y-Y 1-H39 SECTION
N.T.S.

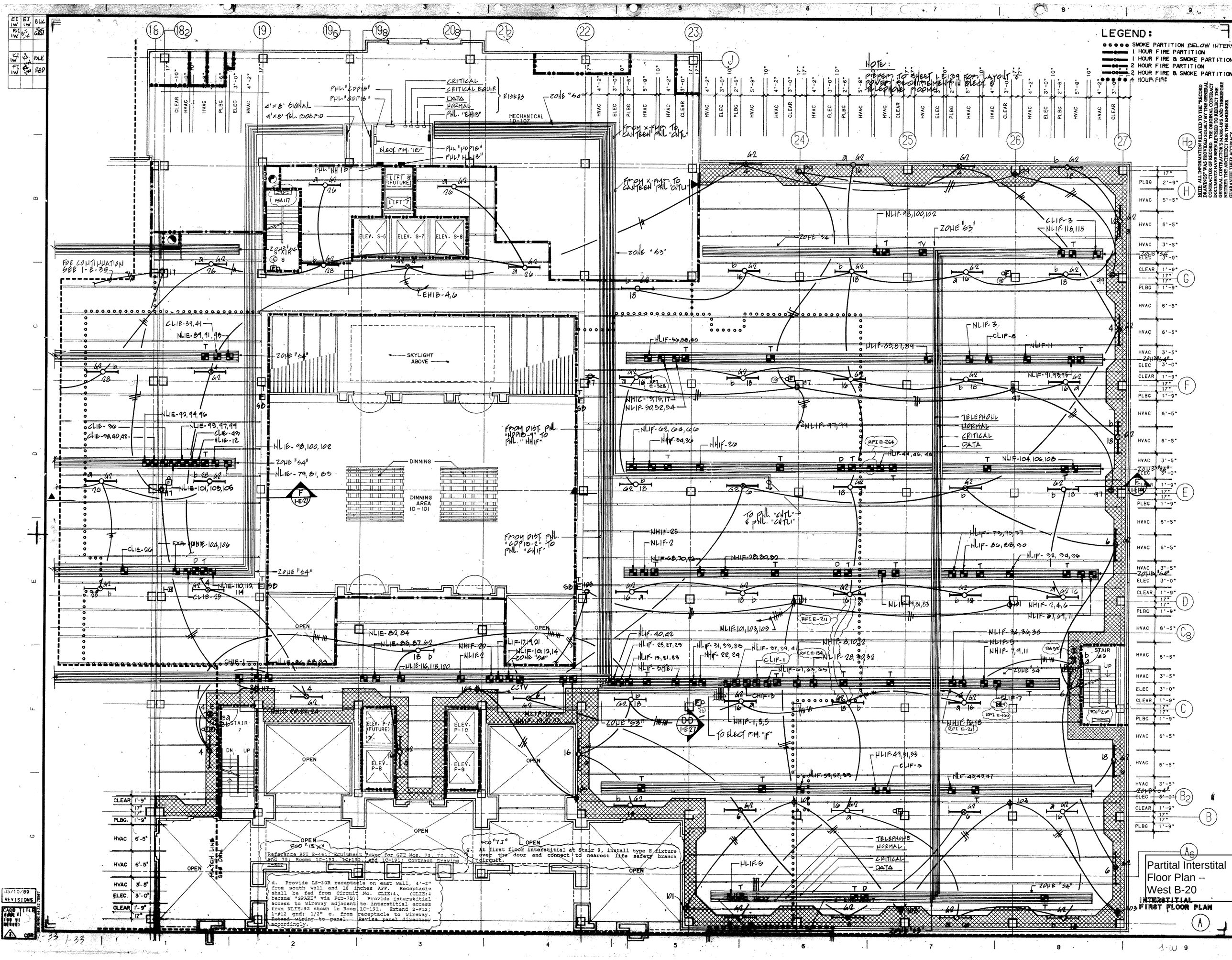


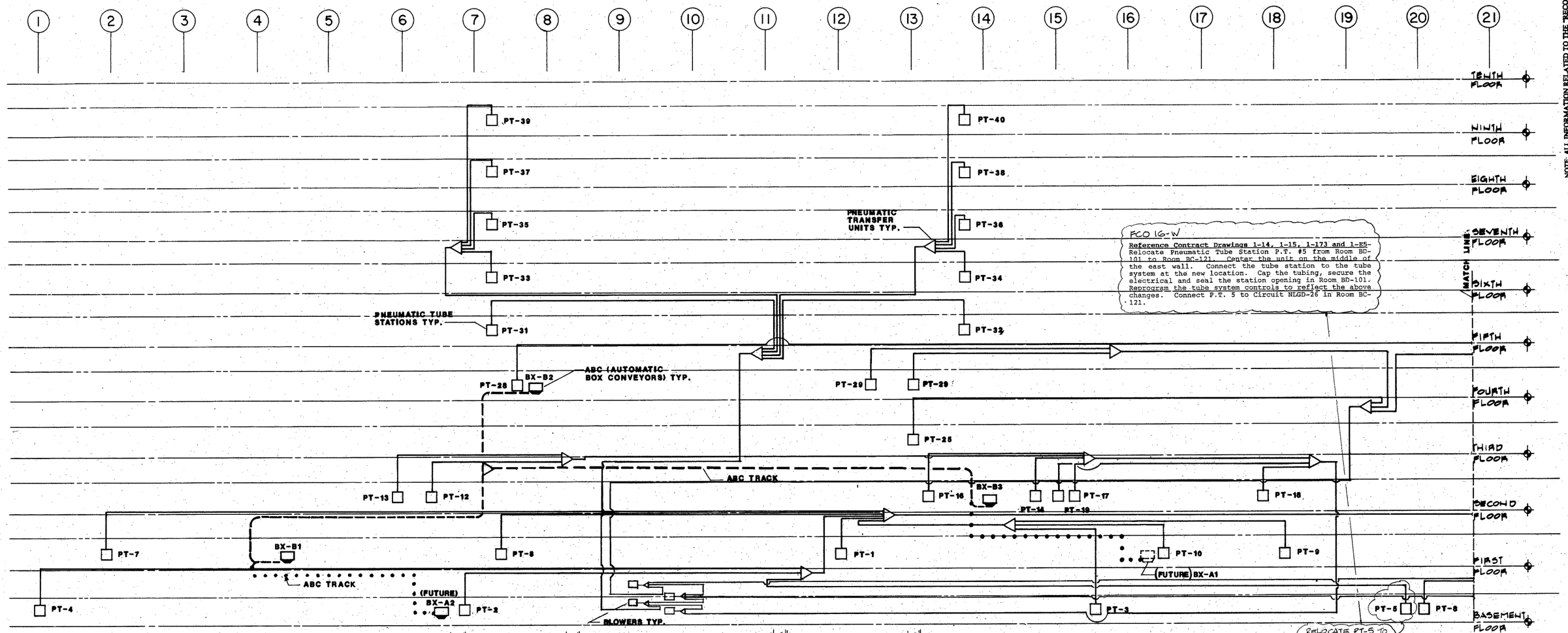
Z-Z 1-H39 SECTION
N.T.S.

Typical Interstitial Space Composite Plan and Section B-19

NOTE: ALL INFORMATION RELATED TO THE "RECORD DRAWINGS" WAS PROVIDED SOLELY BY THE GENERAL CONTRACTOR OF RECORD. THE ORIGINAL CONTRACT DOCUMENTS HAVE BEEN REVISED TO REFLECT THE GENERAL CONTRACTOR'S MARK-UPS AND THEREFORE NEITHER THE ARCHITECT NOR THE ENGINEER GUARANTEE THEIR ACCURACY.

BRUNING 44-232-75987

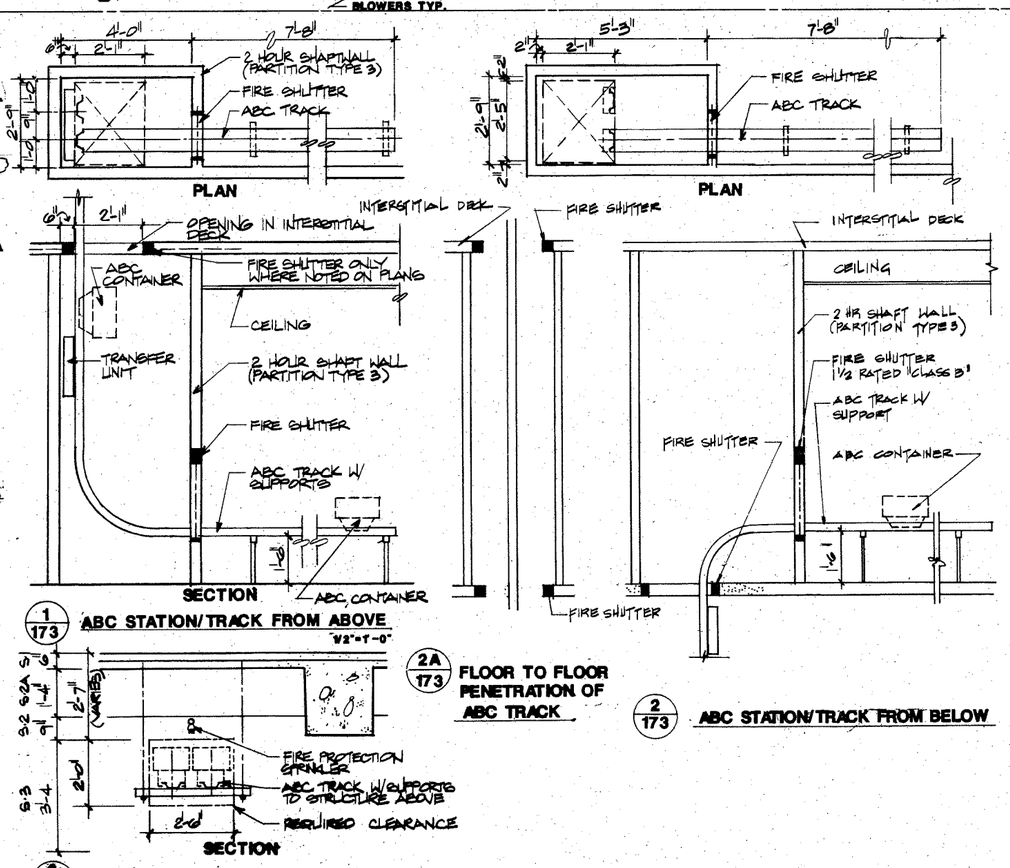

LEGEND:
SMOKE PARTITION BELOW INTERS
1 HOUR FIRE PARTITION
1 HOUR FIRE & SMOKE PARTITION
2 HOUR FIRE PARTITION
2 HOUR FIRE & SMOKE PARTITION
4 HOUR FIRE
NOTE: REFER TO SHEET 1-E-39 FOR LAYOUT & POWER REQUIREMENTS IN ELECT. & TELEPHONE ROOMS.
NOTE: ALL INFORMATION RELATED TO THE "RECORD DRAWINGS" WAS PROVIDED SOLELY BY THE GENERAL CONTRACTOR OF RECORD. THE ORIGINAL CONTRACT DOCUMENTS HAVE BEEN REVISED TO REFLECT THE GENERAL CONTRACTOR'S MARK-UPS AND THEREFORE NEITHER THE ARCHITECT NOR THE ENGINEER GUARANTEE THEIR ACCURACY.
MECHANICAL ID-107
SKYLIGHT ABOVE
DINNING
DINNING AREA ID-101
ELEV. S-6
ELEV. S-7
ELEV. S-8
ELEV. P-7 (FUTURE)
ELEV. P-8
ELEV. P-9
ELEV. P-10
STAIR 7
STAIR 9
FOR CONTINUATION SEE 1-E-35
TELEPHONE
NORMAL
CRITICAL
DATA
OPEN
MATCH LINE SEE DRW.
Reference RFI E-461; Equipment Power for GFE Nos. 72, 73, 74, and 75; Rooms 1C-193, 1C-192, and 1C-191; Contract Drawing 1-E-27
d. Provide L5-30R receptacle on east wall, 4'-3" from south wall and 18 inches AFF. Receptacle shall be fed from Circuit No. CLIE:4. (CLIE:4 became "SPARE" via FCO-7B). Provide interstitial access to wireway adjacent to interstitial access from NLIE:92 shown in Room 1C-191. Extend 2-#12; 1-#12 gnd; 1/2" c. from receptacle to wireway. Extend wiring to panel. Revise panel directory accordingly.
g. At first floor interstitial at Stair 9, install type E fixture over the door and connect to nearest life safety branch circuit.
Partital Interstital Floor Plan -- West B-20
INTERSTITIAL FIRST FLOOR PLAN
05/10/89
REVISIONS
CADD TITLE



FCO 16-W

Reference Contract Drawings 1-14, 1-15, 1-173 and 1-E5- Relocate Pneumatic Tube Station P.T. #5 from Room BD-101 to Room BC-121. Center the unit on the middle of the east wall. Connect the tube station to the tube system at the new location. Cap the tubing, secure the electrical and seal the station opening in Room BD-101. Reprogram the tube system controls to reflect the above changes. Connect P.T. 5 to Circuit NLGD-26 in Room BC-121.

FLOOR	ABC	P-TUBE	DEPARTMENT/FUNCTION	RM. NAME	RM. NO.
BASEMENT		PT 2	SPD. DISPATCH		BB-116
		PT 3	IP PHARMACY		CB-69
		PT 4	SUPPLY SVC. WAREHOUSE	OFF.STORKER	BB-142
FCO 16-W		PT 5	~~DATA PROCESSING~~	~~ADMIN.OFF/ADM.~~ BC-121	~~BC-121~~
		PT 6	ENG. (INCLUDG. CONTROL STA. AND REJECT STA.	ELECT. SHOP	BD-111
	BX A2 (FUTURE)		MAS MED. RECORDS FILE ROOM	MED. RECORDS	BB-104
		PT 23	MAS YARD ADMIN.		BB-104
FIRST		PT 1	OFF. RECEPTION		1A 102A
		PT 7	AMB. CARE, EMERGENCY	MAS CONTROL	1B-131
		PT 8	AMB. CARE CLINIC, RECEPTION	MAS CONTROL EVALUATION	C1-11
	BX-B1		OF SPECIMEN COLLECTION	STAT LAB	1B-159
		PT 9	OP PHARMACY	OFF. SEC.	
	BX-A1 (FUTURE)		RADIOLOGY/RUC. MED.	FILM LIBRARY	1C-172
		PT 10	O.P. PHARMACY	FILING & ASSEMBLY	1C-106
		PT 11	OP PSYCH. CCVS.	CLERK	1E-132
SECOND		PT 12	SURGERY CONTROL/ADMIN.		C2-10
		PT 13	RECOVERY		C2-10
		PT 14	CARDIOLOGY/PULM./HYPERTEN.	SECRETARY/FILE	C2-47
		PT 16	SICU	CNTRL. STA.	C2-39
		PT 17	CICU	CNTRL. STA.	C2-44
		PT 18	MICU	CNTRL. STA.	C2-52
		PT 19	GPICU	CNTRL. STA.	C2-84
		PT 20	DIR. SUITE/CHIEF OF STAFF	SECRETARY	C2-68
		PT 21	NURSING ADMIN.	SECRETARY	C2-77
		PT 22	SUPPLY SVC. ADMIN.	SECRETARY	2E-143A
	BX-B3		CICU	CONVEYOR	2C-134
THIRD		PT 25	RMS	SEC./CLERKS	C3-33
		PT ~~26~~ 30	PSYCH. NURSING #1	NURSE STA./WARD CLERK	C3-50
FOURTH	BX-B2	NOT ON PLAN	(PER RP1-E-112)	SPECIMEN ACCESSIONING	
		PT 28	LAB. ADMINISTRATION	SEC/CLERK	4B-106
		PT 29	DIALYSIS	NURSE STA./WARD CLERK	C4-17
		PT 30	PSYCH. NURSING #2	NURSE STA./WARD CLERK	C4-39
FIFTH		PT 31	NURSING UNIT #1	NURSE STA./WARD CLERK	C5-7
		PT 32	NURSING UNIT #2	NURSE STA./WARD CLERK	C5-18
SIXTH		PT 33	NURSING UNIT #3	NURSE STA./WARD CLERK	C6-7
		PT 34	NURSING UNIT #4	NURSE STA./WARD CLERK	C6-18
SEVENTH		PT 35	NURSING UNIT #5	NURSE STA./WARD CLERK	C7-7
		PT 36	NURSING UNIT #6	NURSE STA./WARD CLERK	C7-18
EIGHTH		PT 37	NURSING UNIT #7	NURSE STA./WARD CLERK	C8-7
		PT 38	NURSING UNIT #8	NURSE STA./WARD CLERK	C8-18
NINTH		PT-39	NURSING UNIT #9	NURSE STA./WARD CLERK	C9-7
		PT 40	NURSING UNIT #10	NURSE STA./WARD CLERK	C9-18

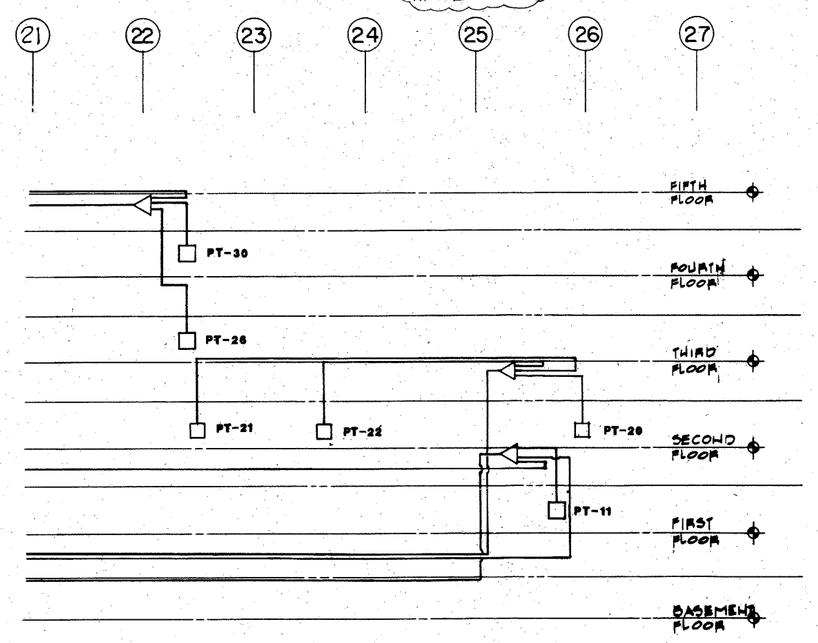


1/173 ABC STATION/TRACK FROM ABOVE

2A/173 FLOOR TO FLOOR PENETRATION OF ABC TRACK

2/173 ABC STATION/TRACK FROM BELOW

3/173 AUTOMATIC BOX CONVEYOR (ABC) IN INTERSTITIAL SPACE



7-3-2-2208

Pneumatic Tube / ABC riser Diagram & Schedule B-21

NOTE: ALL INFORMATION RELATED TO THE "RECORD DRAWINGS" WAS PROVIDED SOLELY BY THE GENERAL CONTRACTOR OF RECORD. THE ORIGINAL CONTRACT

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