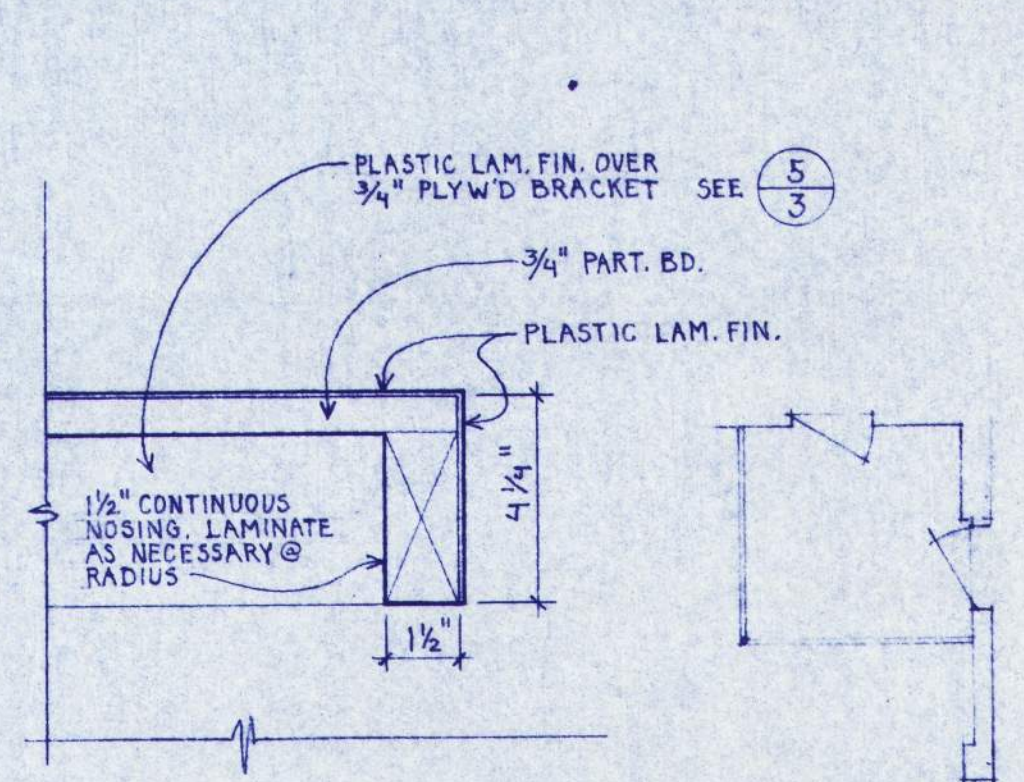
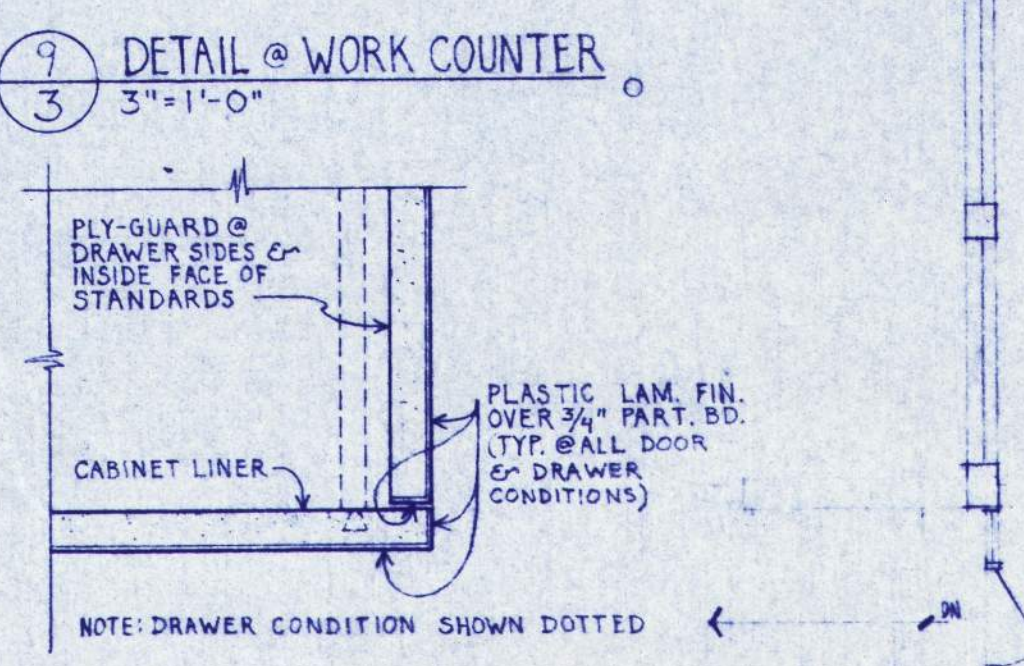


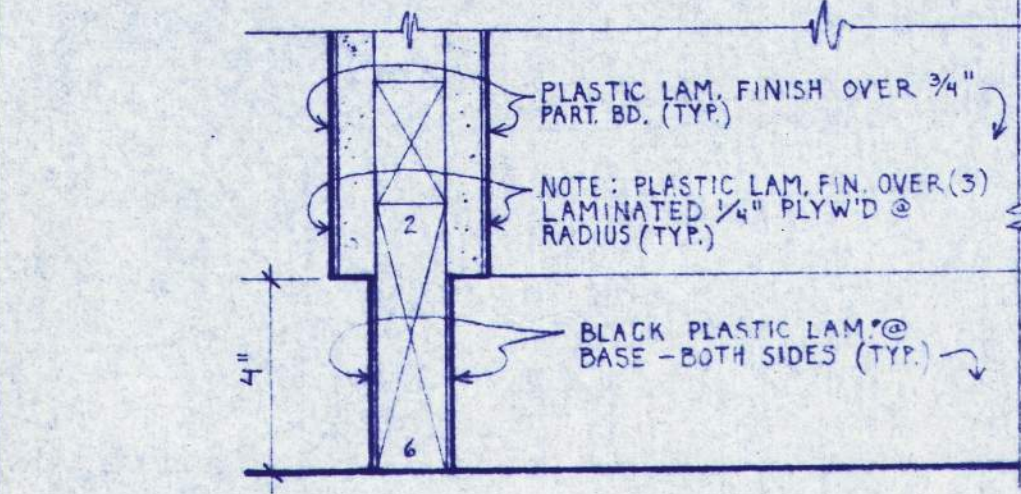
7 DETAIL @ RECEPTION COUNTER
3/4" = 1'-0"



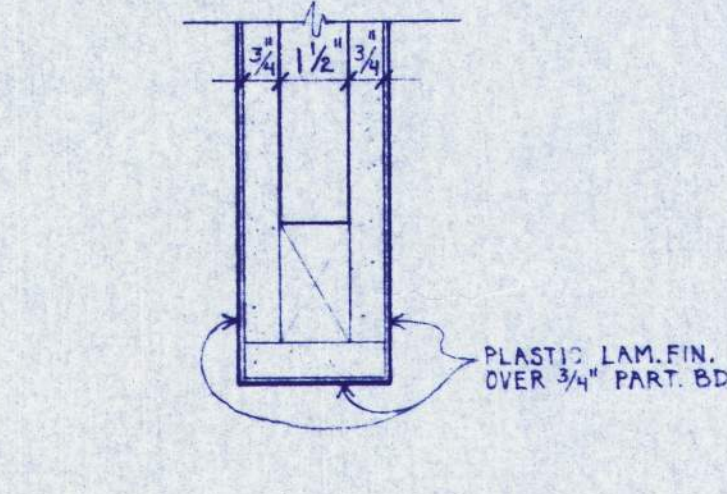
8 DETAIL @ WALL CAP
3/4" = 1'-0"



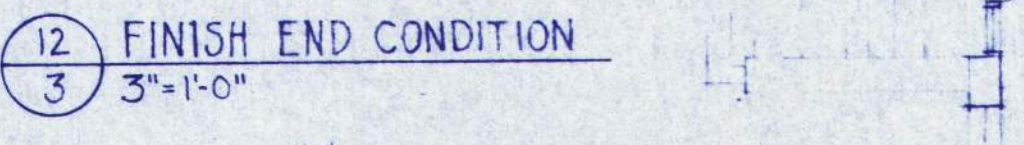
9 DETAIL @ WORK COUNTER
3/4" = 1'-0"



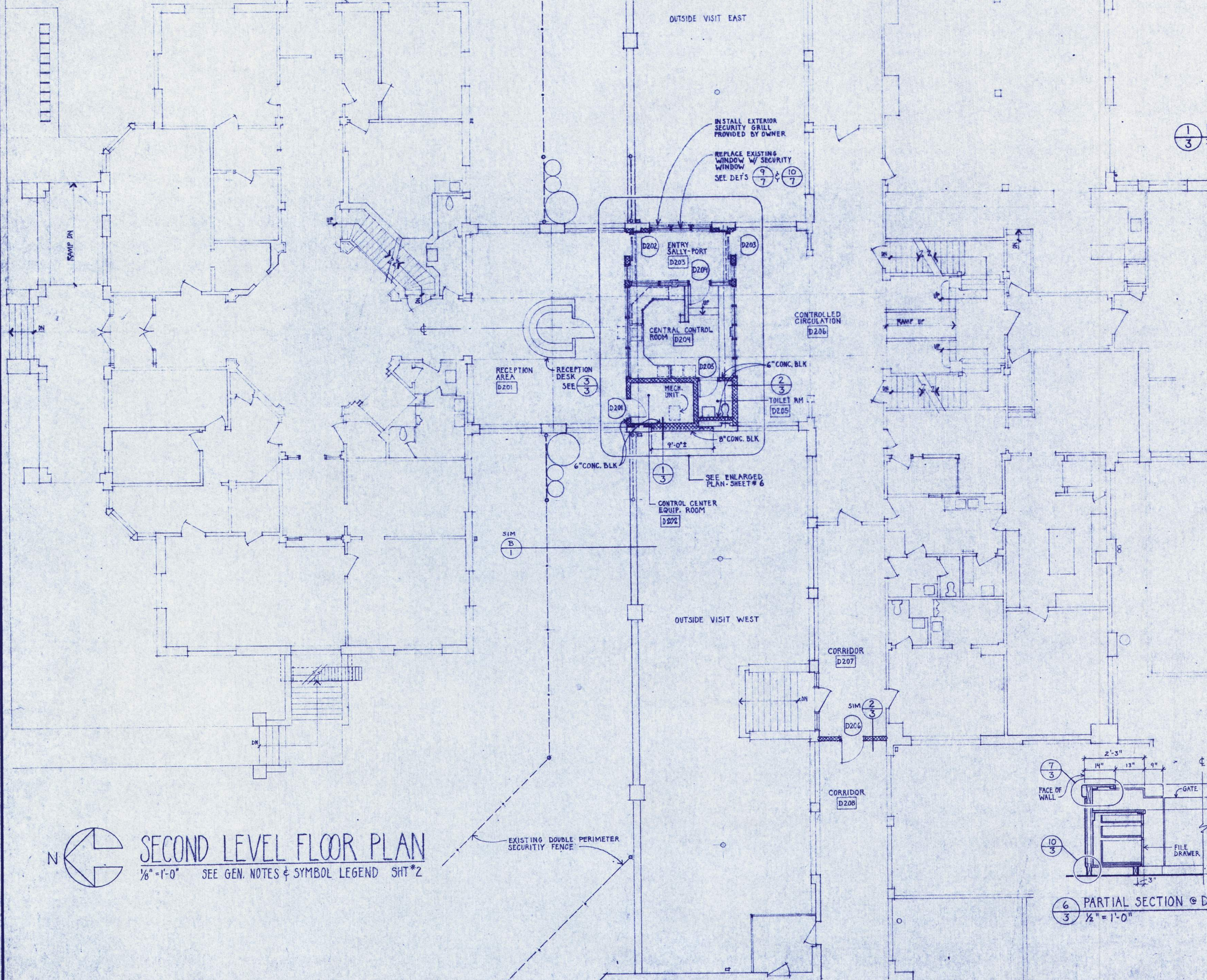
10 DETAIL @ BASE
3/4" = 1'-0"



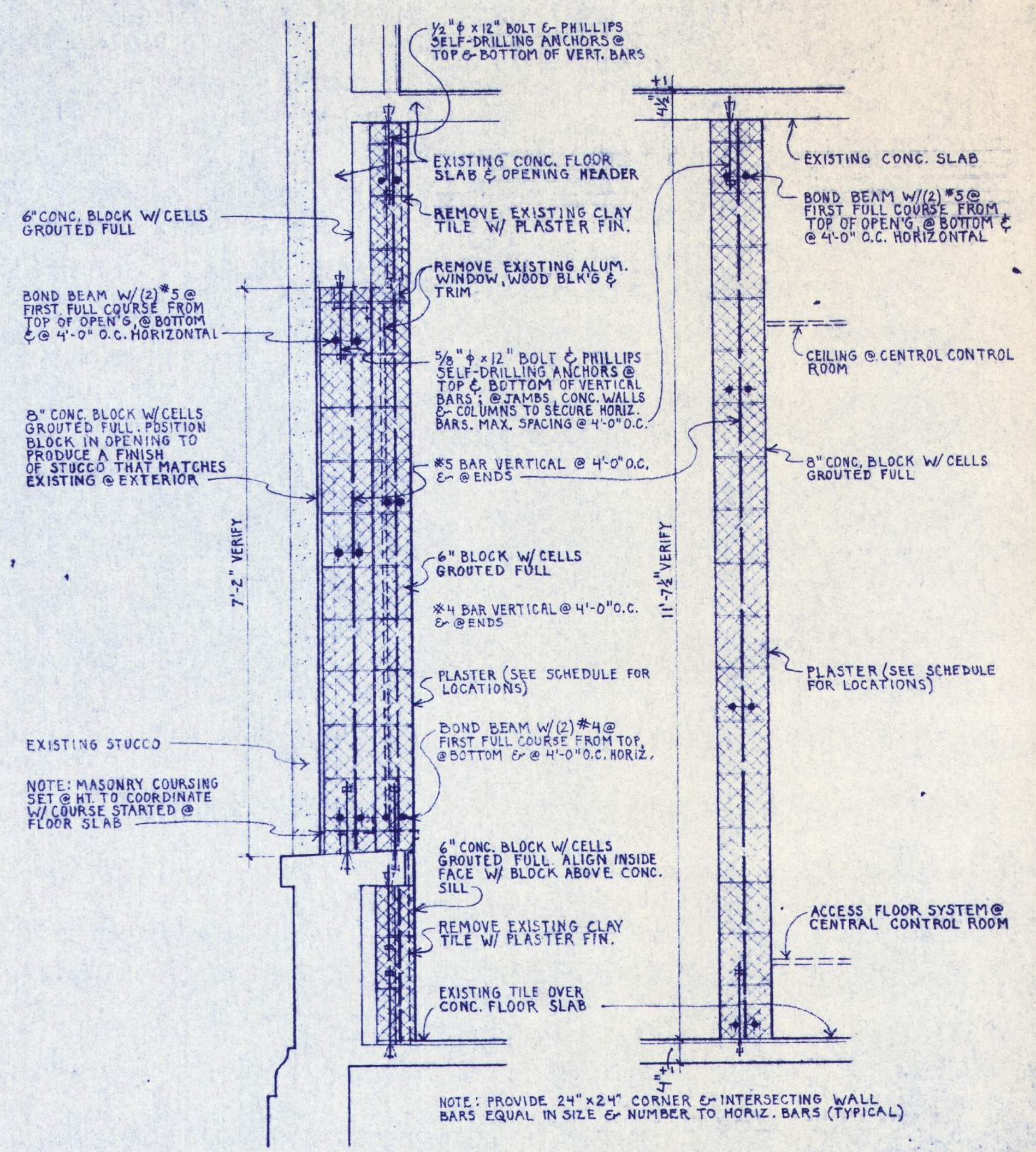
11 PLAN DETAIL @ WALL END
3/4" = 1'-0" (GATE SIMILAR)



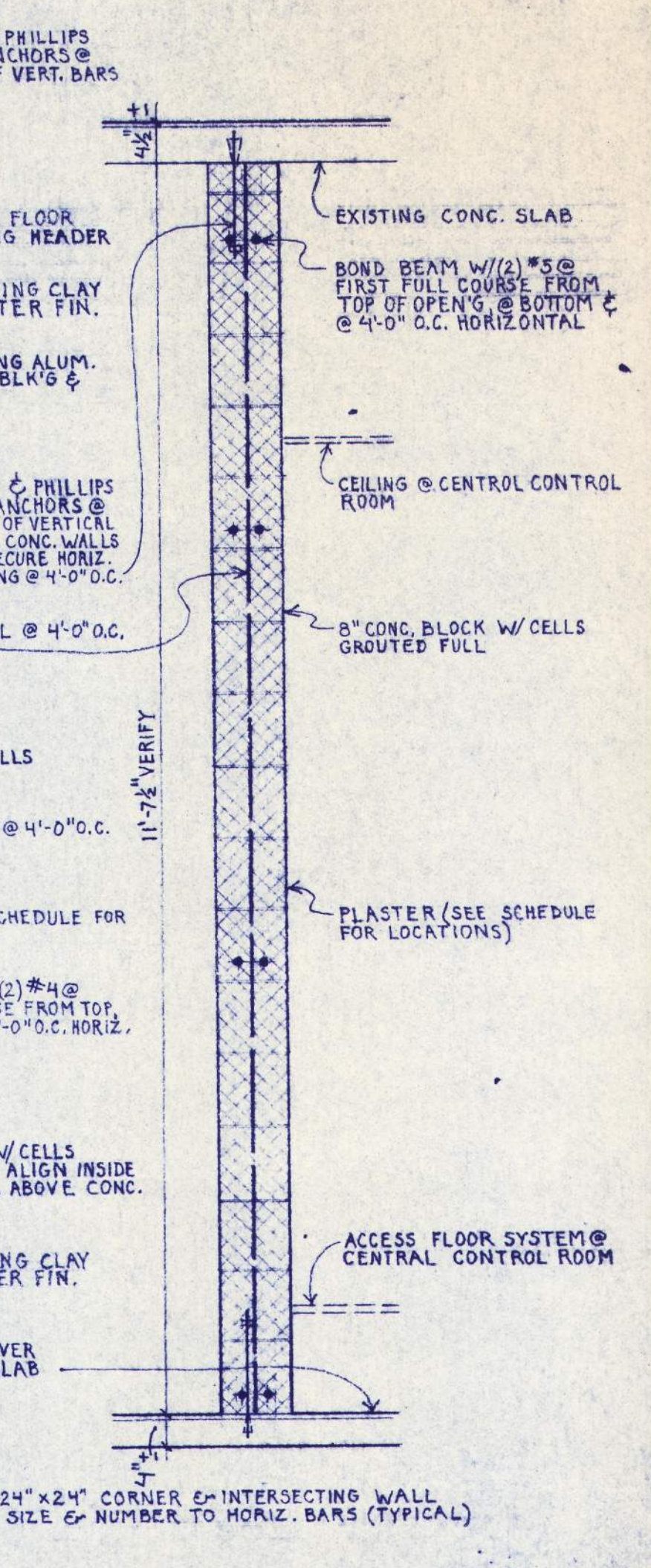
12 FINISH END CONDITION
3/4" = 1'-0"



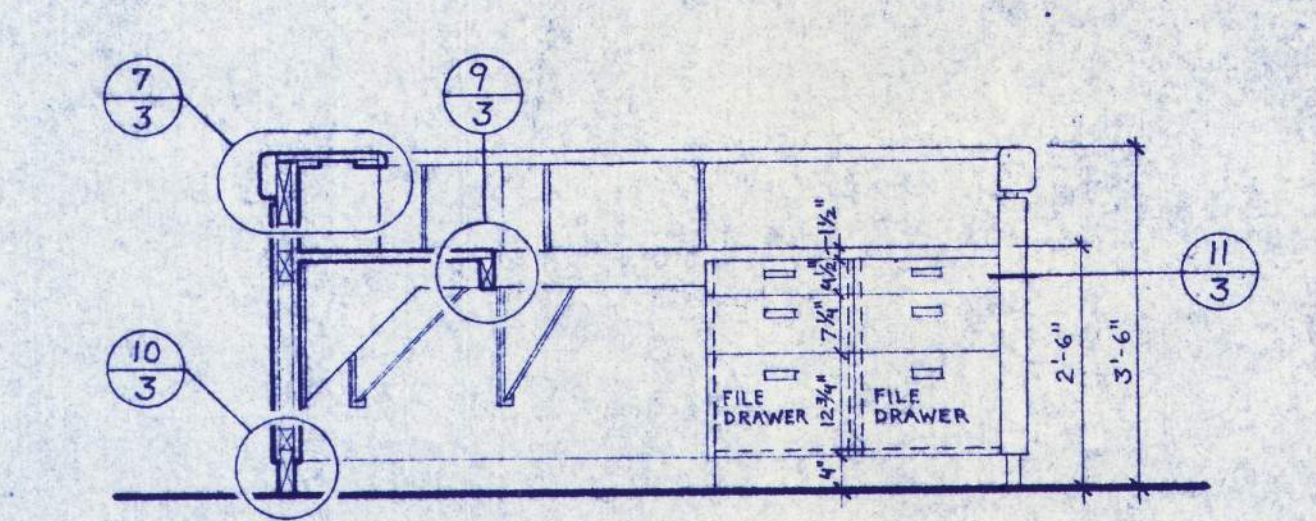
SECOND LEVEL FLOOR PLAN
1/8" = 1'-0" SEE GEN. NOTES & SYMBOL LEGEND SHIT #2



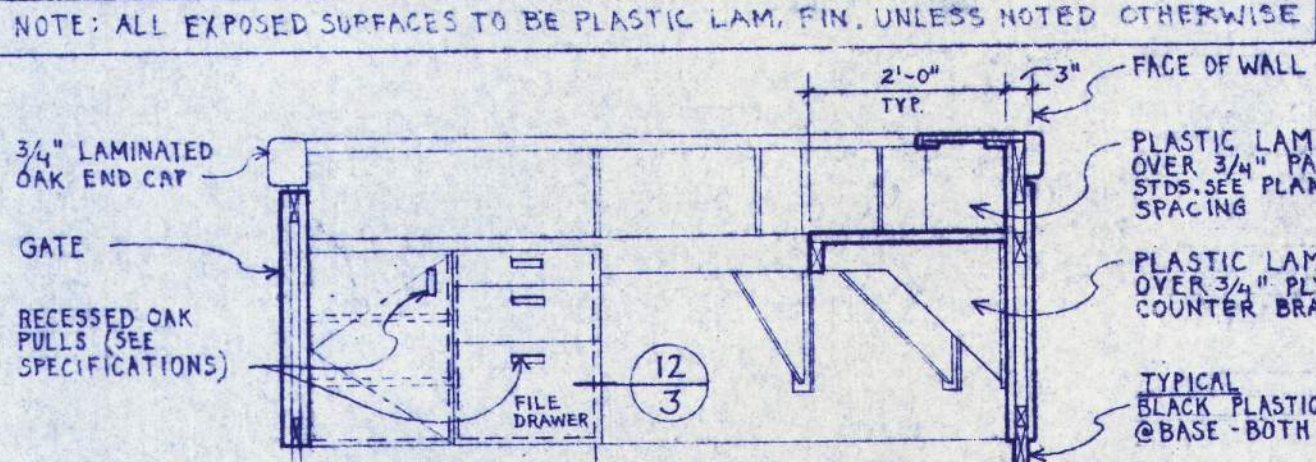
1 EXISTING WDW MASONRY INFILL
3/4" = 1'-0"



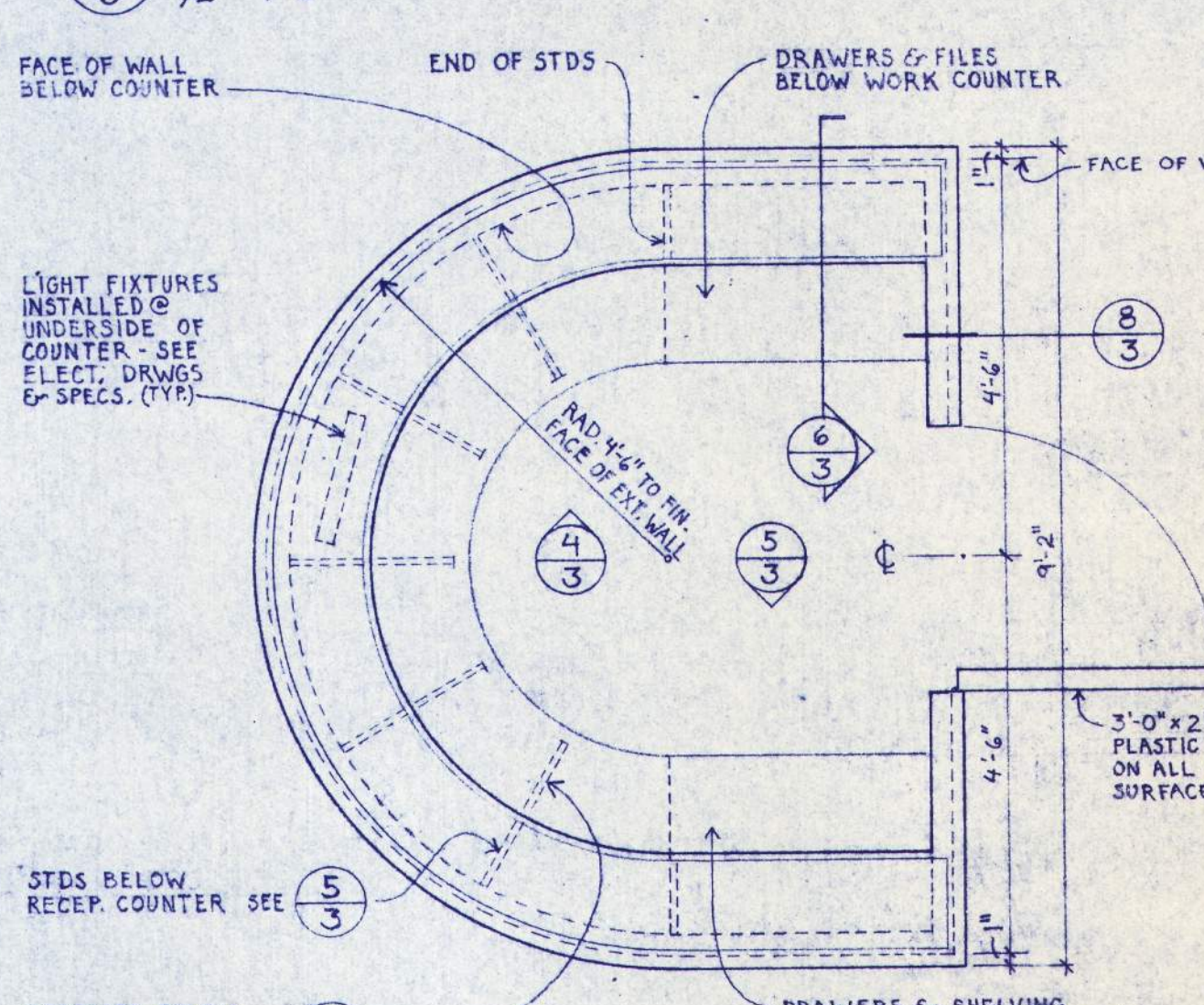
2 TYPICAL SECURITY WALL DETAIL
3/4" = 1'-0"



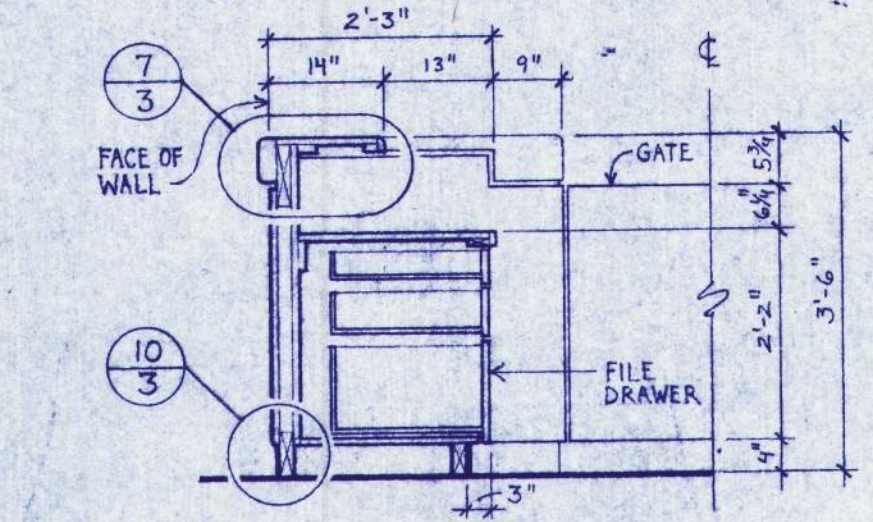
3 SECTION @ RECEPTION DESK
1/2" = 1'-0"



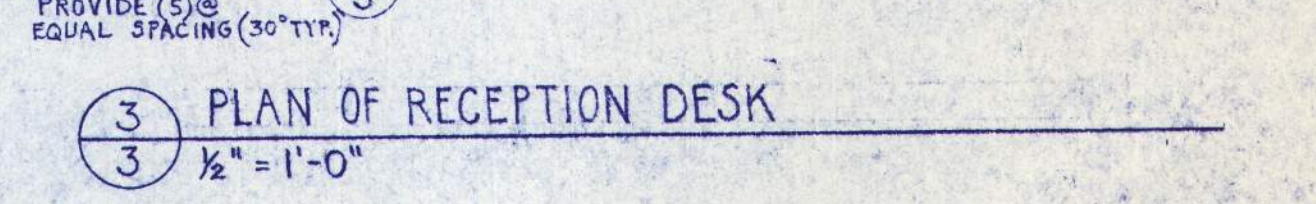
4 SECTION @ RECEPTION DESK
1/2" = 1'-0"



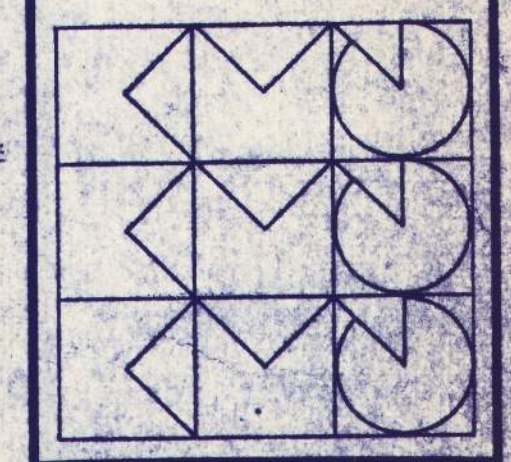
5 SECTION @ RECEPTION DESK
1/2" = 1'-0"



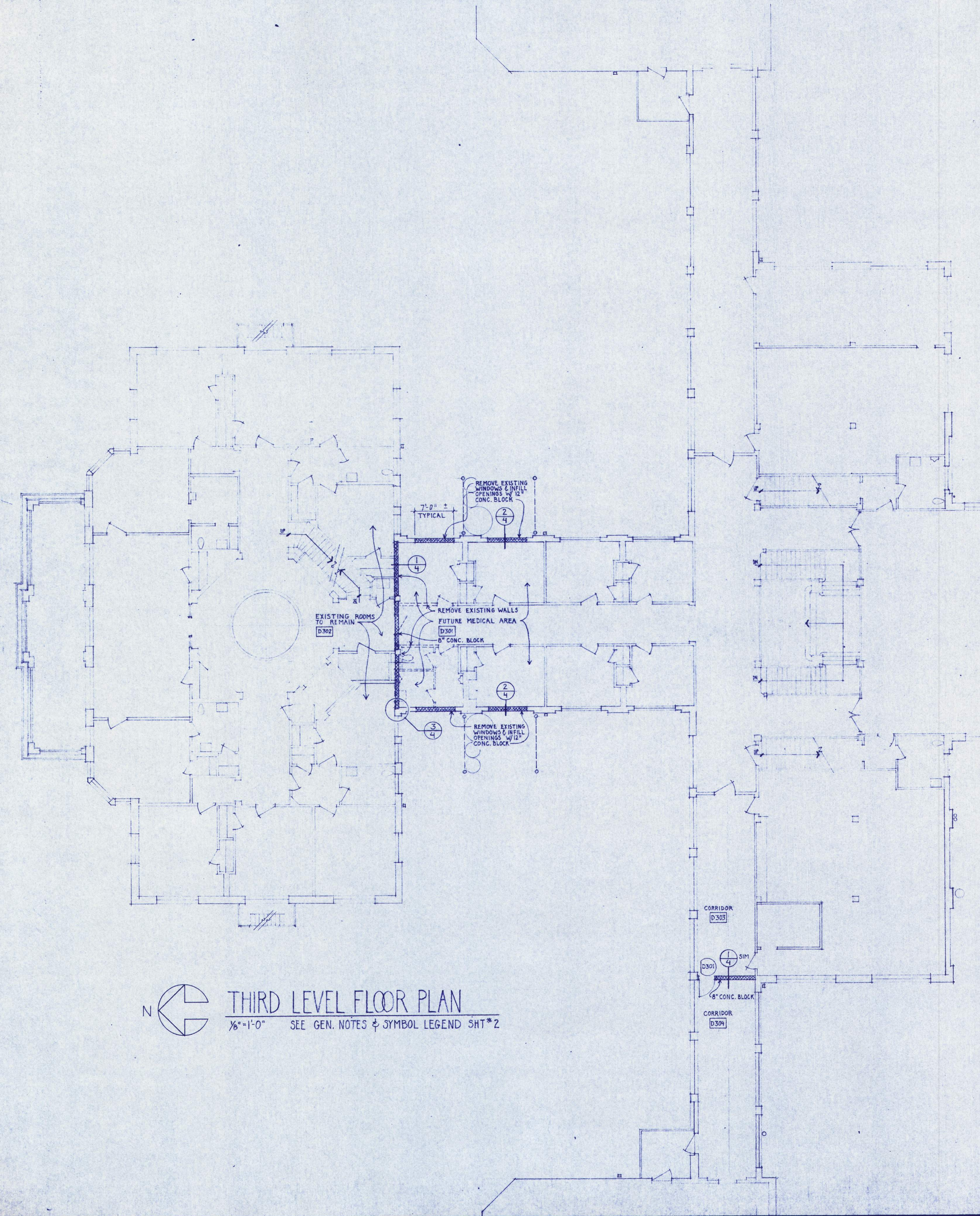
6 PARTIAL SECTION @ DESK
1/2" = 1'-0"

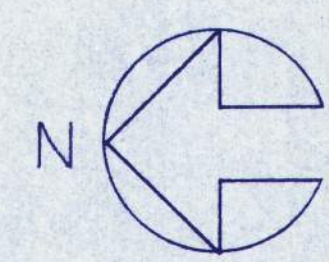


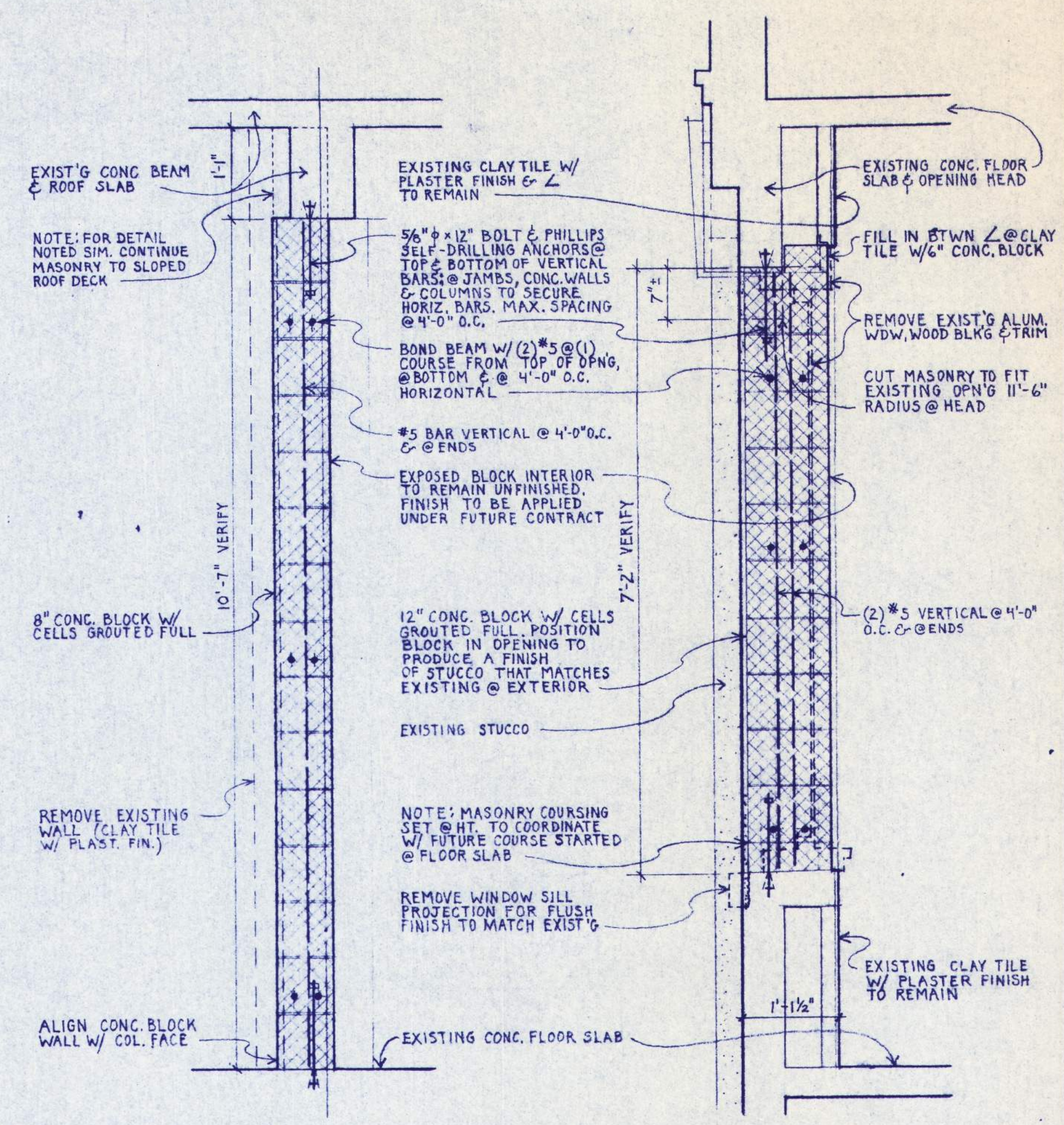
7 PLAN OF RECEPTION DESK
1/2" = 1'-0"



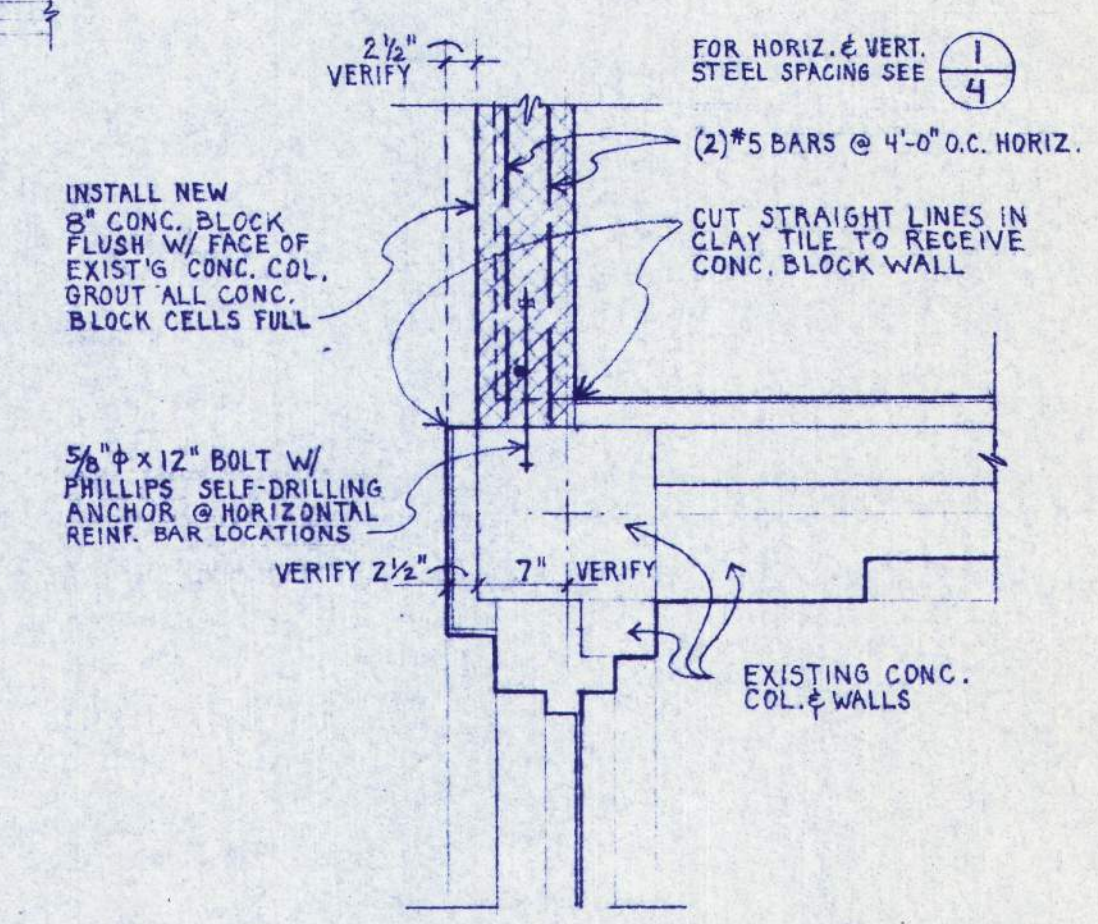
APPROVED
DRAWN: P.F.S., W.P.H.
DATE: 7/26/94
JOB: 001



N  **THIRD LEVEL FLOOR PLAN**
1/8" = 1'-0" SEE GEN. NOTES & SYMBOL LEGEND SHT #2

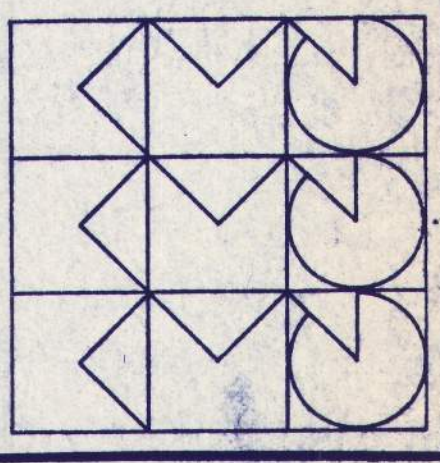


1 SECURITY SEPARATION WALL
4 3/4" = 1'-0"
2 EXISTING WDW MASONRY INFILL
4 3/4" = 1'-0"



3 PLAN DETAIL SECURITY SEPARATION WALL
4 3/4" = 1'-0"

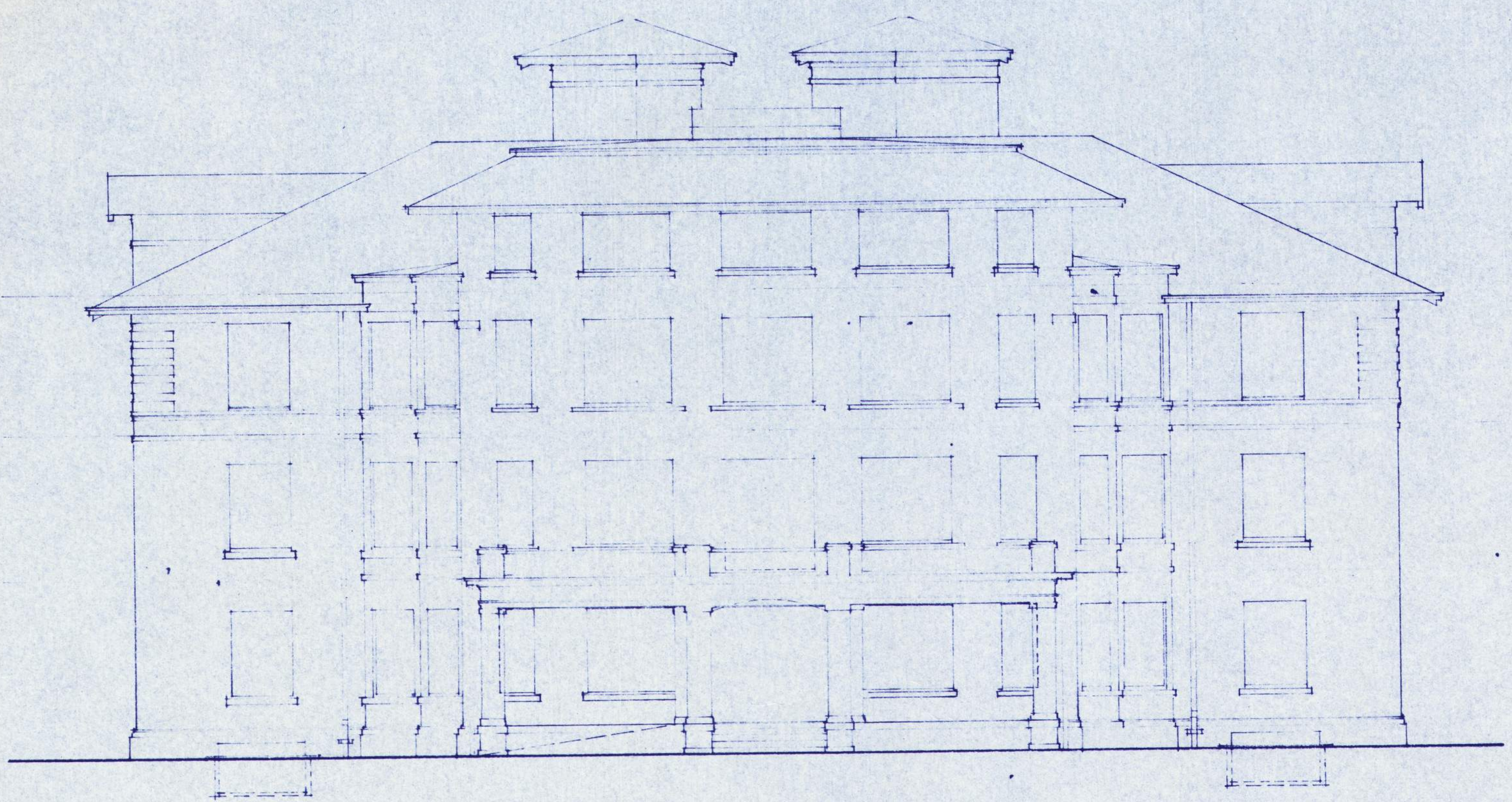
EASTERN OREGON CORRECTIONAL INSTITUTION
PENDELTON, OREGON
PHASE 2
WEGROUP pc / ARCHITECTS & PLANNERS
883 THIRTIETH AVENUE EAST/ELGENE, OREGON 97001/(503) 344-3249



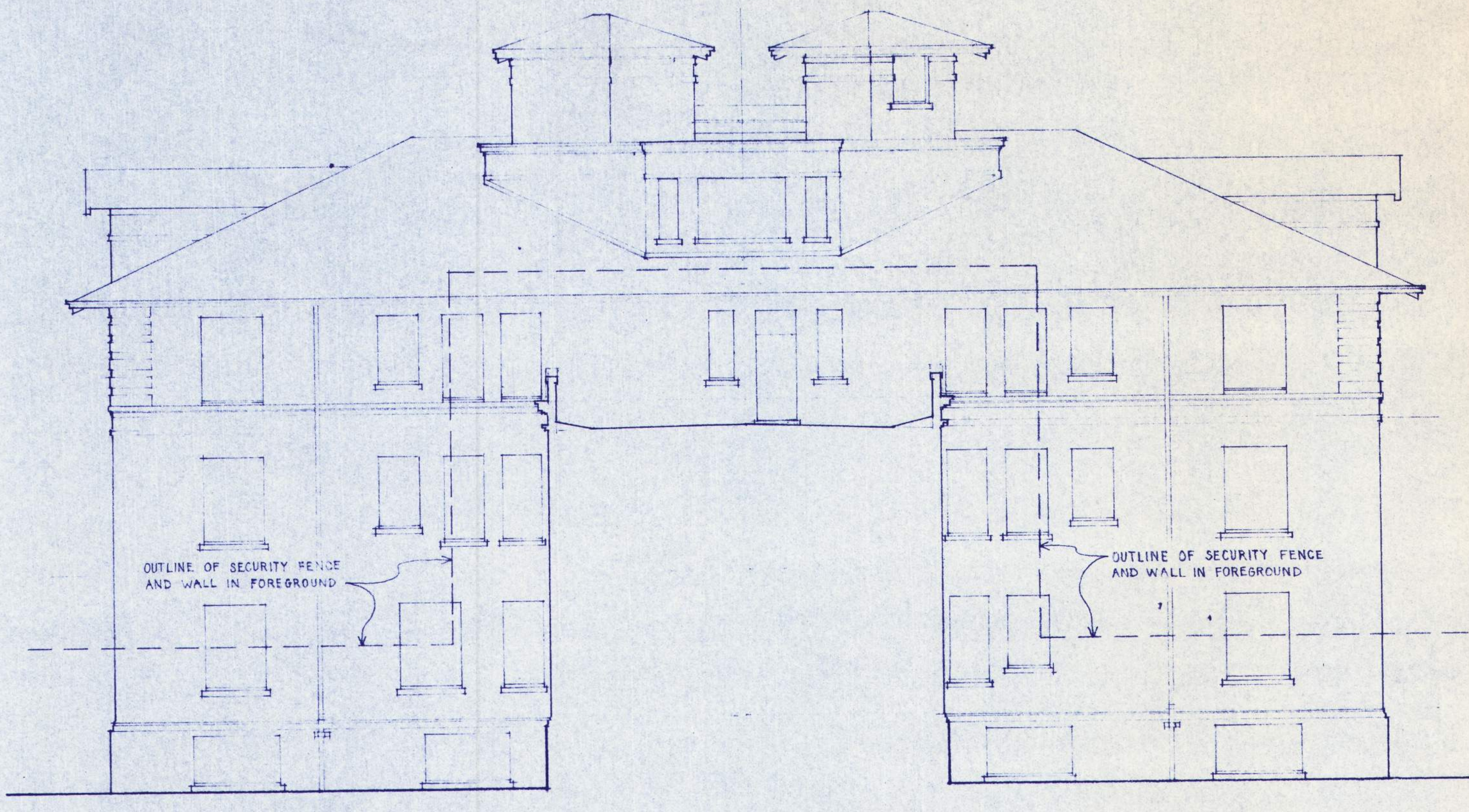
APPROVED
DRAWN FTS, WJH
DATE 7-26-04
JOB 801

D3

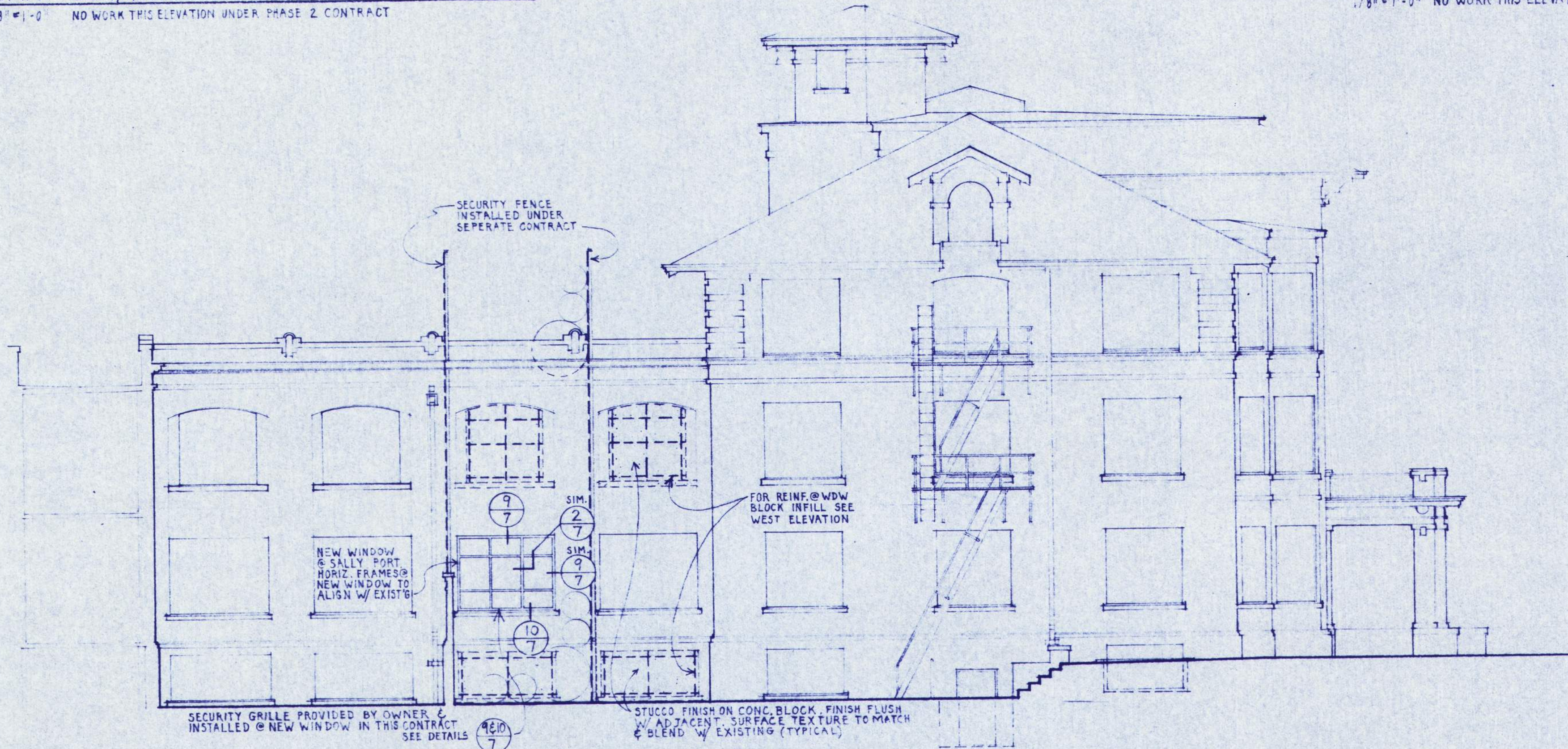
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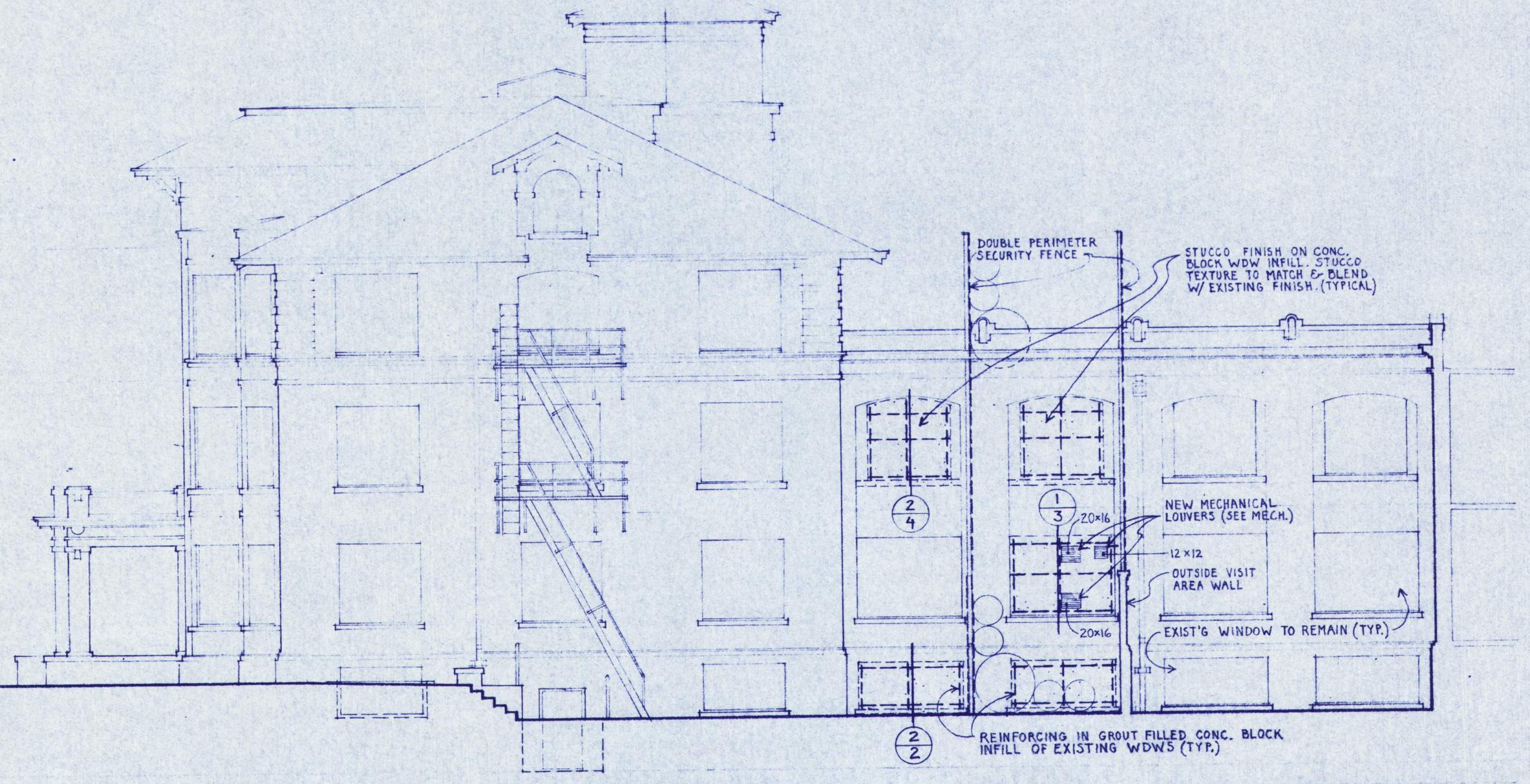
NORTH ELEVATION BUILDING 'D' ADMINISTRATION
1/8" = 1'-0" NO WORK THIS ELEVATION UNDER PHASE 2 CONTRACT



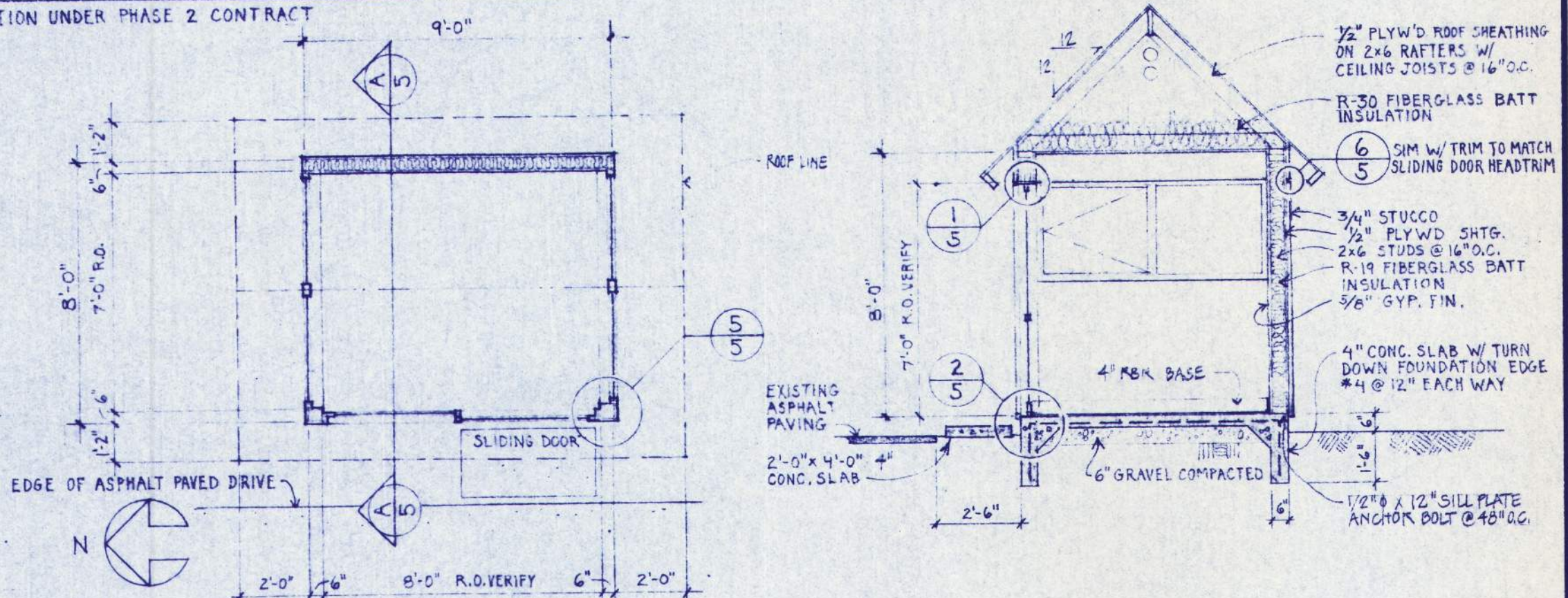
SOUTH ELEVATION BUILDING 'D' ADMINISTRATION
1/8" = 1'-0" NO WORK THIS ELEVATION UNDER PHASE 2 CONTRACT



EAST ELEVATION BUILDING 'D' ADMINISTRATION
1/8" = 1'-0"



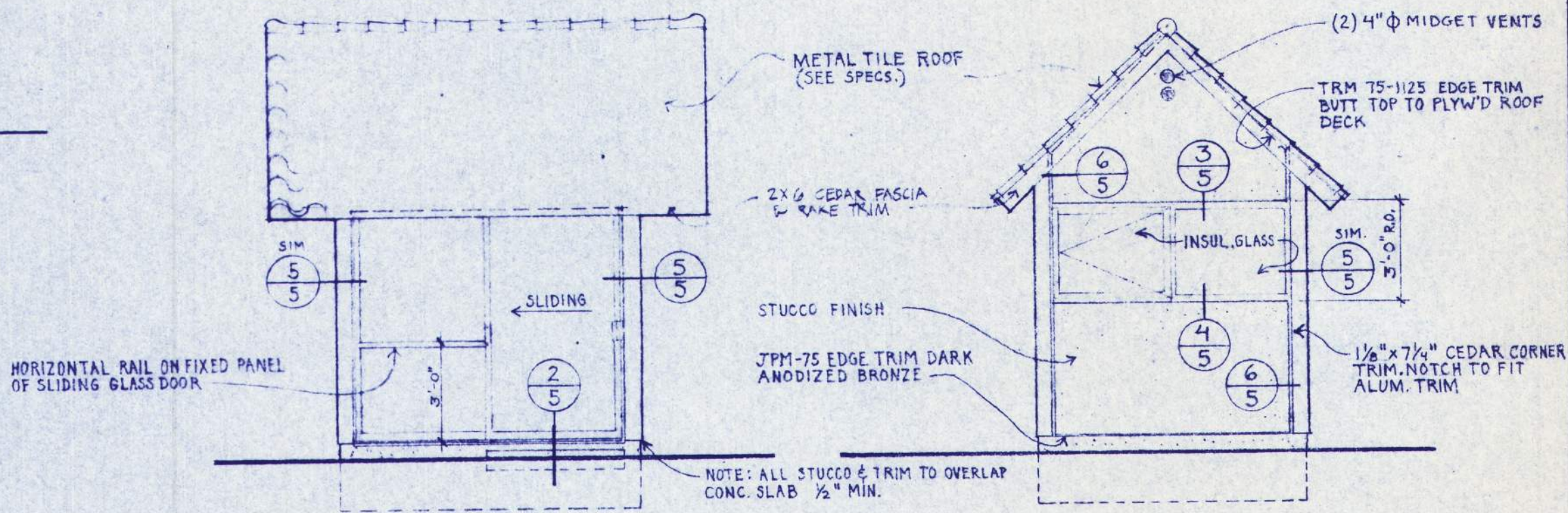
WEST ELEVATION BUILDING 'D' ADMINISTRATION
1/8" = 1'-0"



GUARDHOUSE FLOOR PLAN
1/4" = 1'-0"

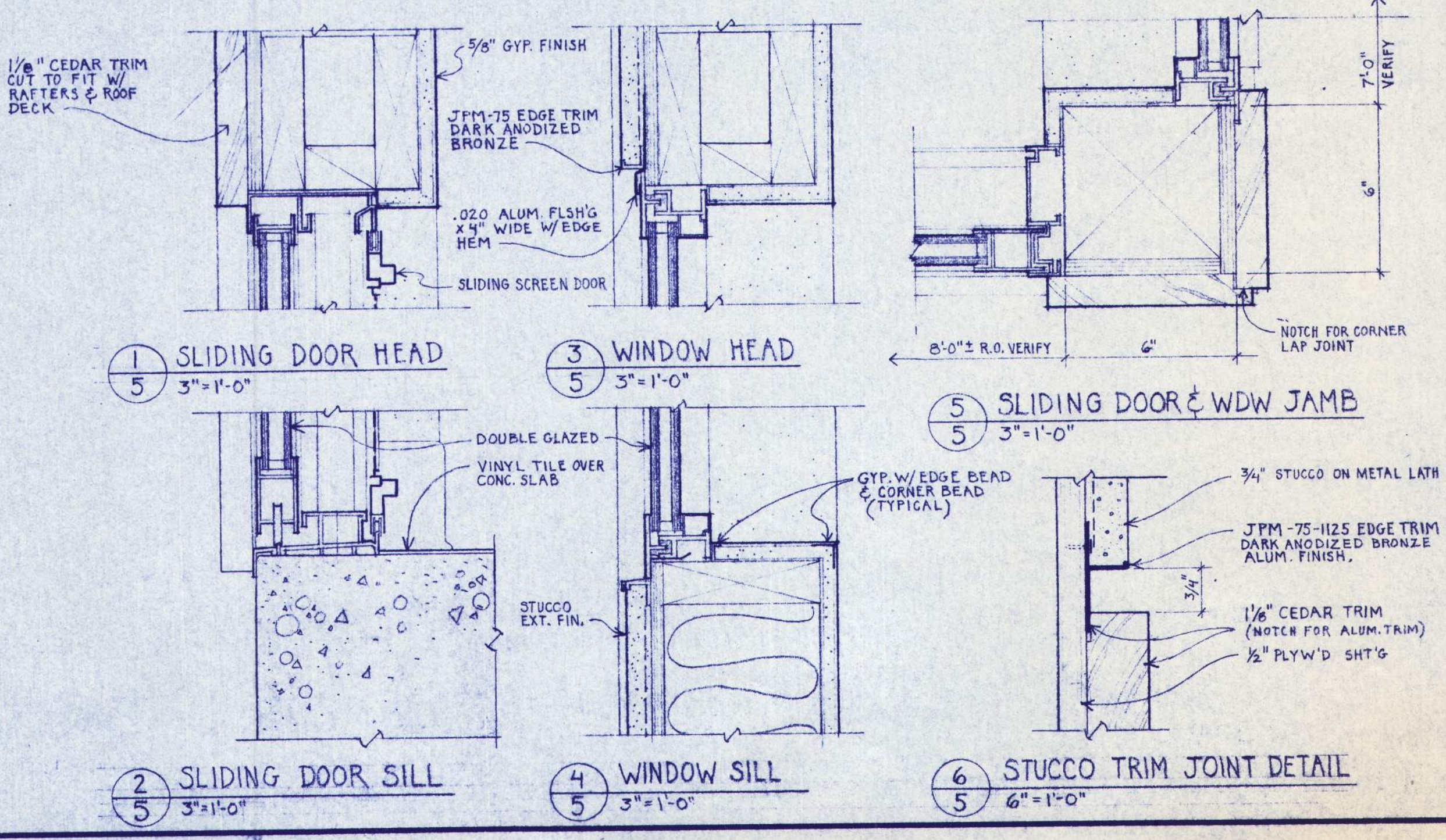
CROSS SECTION
1/4" = 1'-0"

- NOTES:
1. COORDINATE DIMENSION OF GUARDHOUSE LENGTH TO FIT W/ SLIDING DOOR ROUGH OPENING REQUIRED.
 2. COORDINATE WINDOW HEAD ROUGH OPENING HEIGHT W/ ROUGH OPENING FOR SLIDING DOOR.
 3. FINISHES:
STUCCO - PAINT
WOOD TRIM - PASCIA & PLYWD EAVES - STAIN
C/P FINISH - PAINT
FLOOR - VINYL TILE & RUBBER BASE



FRONT ELEVATION 1/4" = 1'-0"

SIDE ELEVATION 1/4" = 1'-0"



1 SLIDING DOOR HEAD
3'-11-0"

3 WINDOW HEAD
3'-11-0"

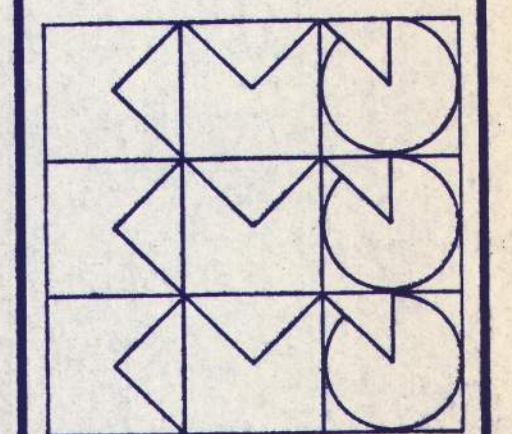
5 SLIDING DOOR & WDW JAMB
3'-11-0"

2 SLIDING DOOR SILL
3'-11-0"

4 WINDOW SILL
3'-11-0"

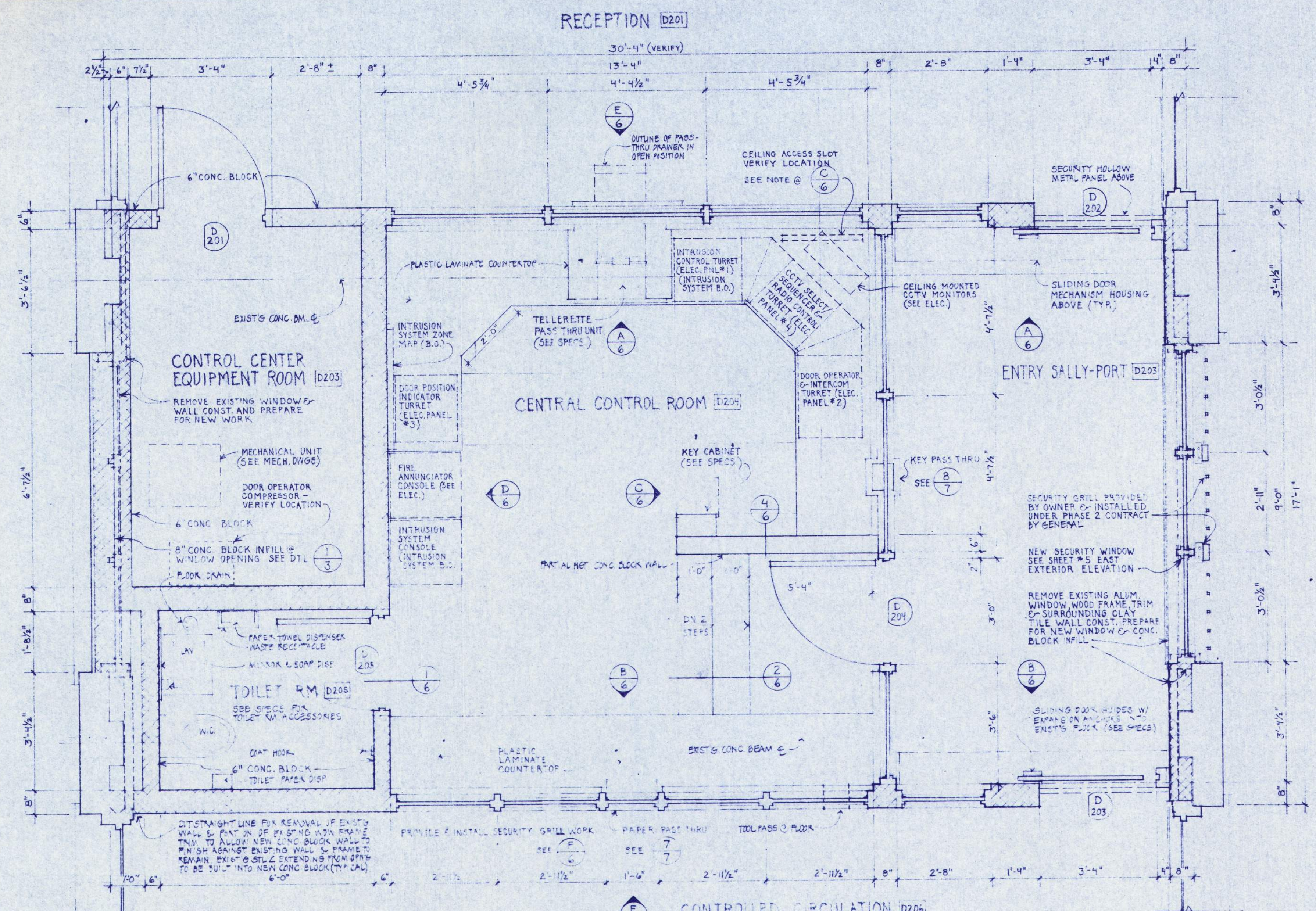
6 STUCCO TRIM JOINT DETAIL
6'-1'-0"

EASTERN OREGON CORRECTIONAL INSTITUTION
PENDLETON, OREGON
PHASE 2
WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION
883 THIRTEENTH AVENUE EAST/EUGENE, OREGON 97401/503) 344-3249

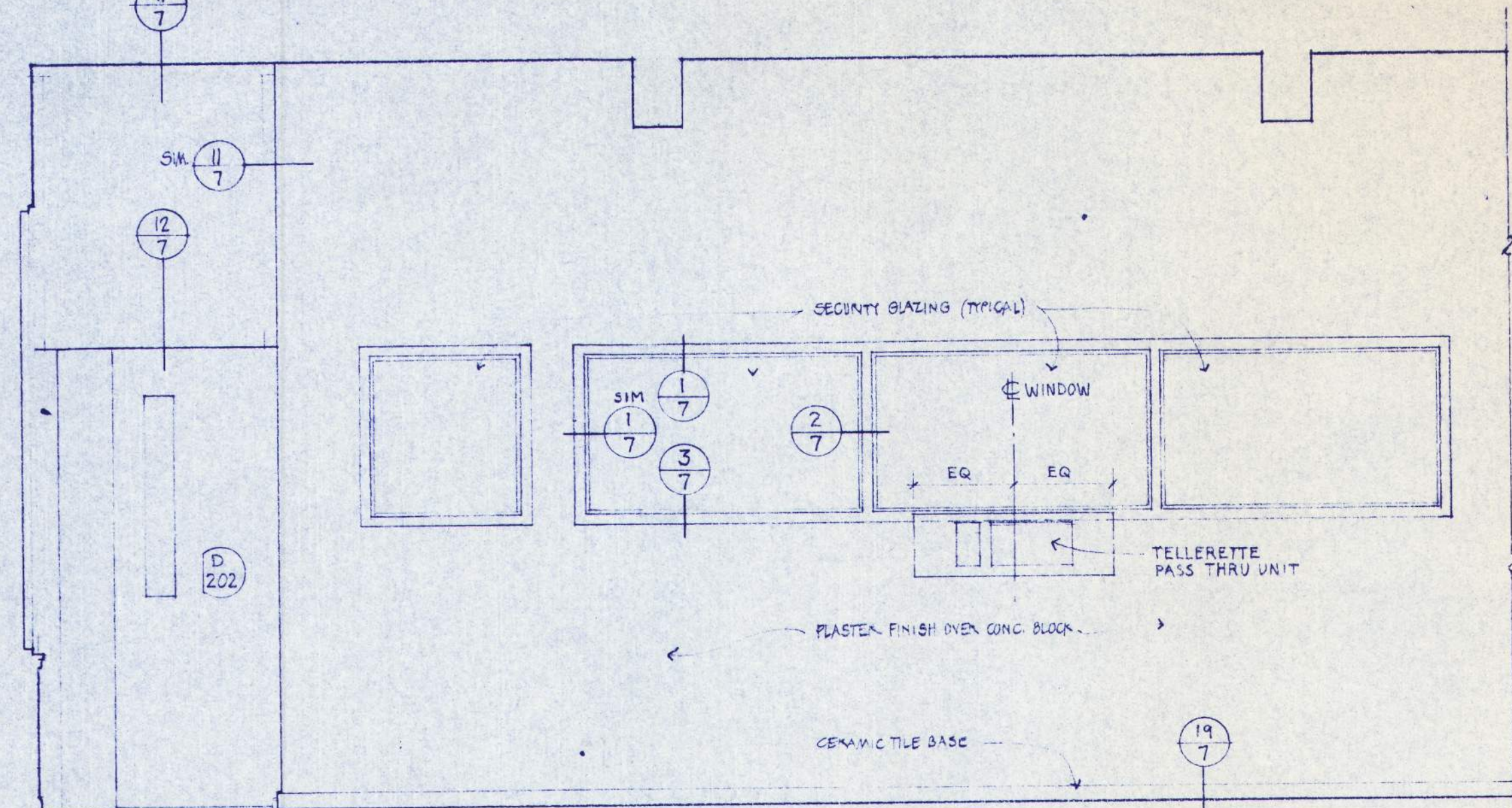


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DRAWN FJG, WJH
DATE 7-26-84
JOB 801

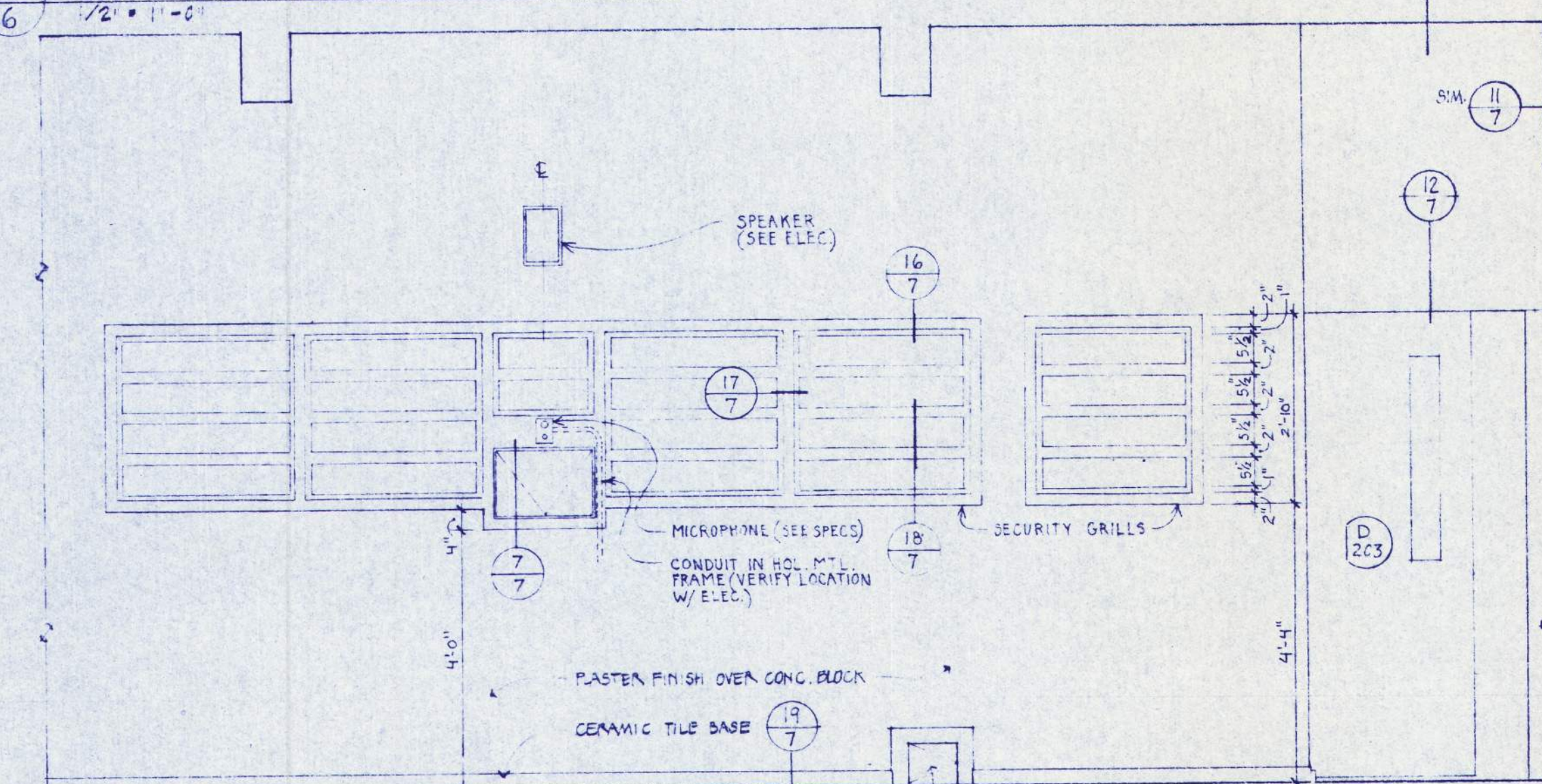
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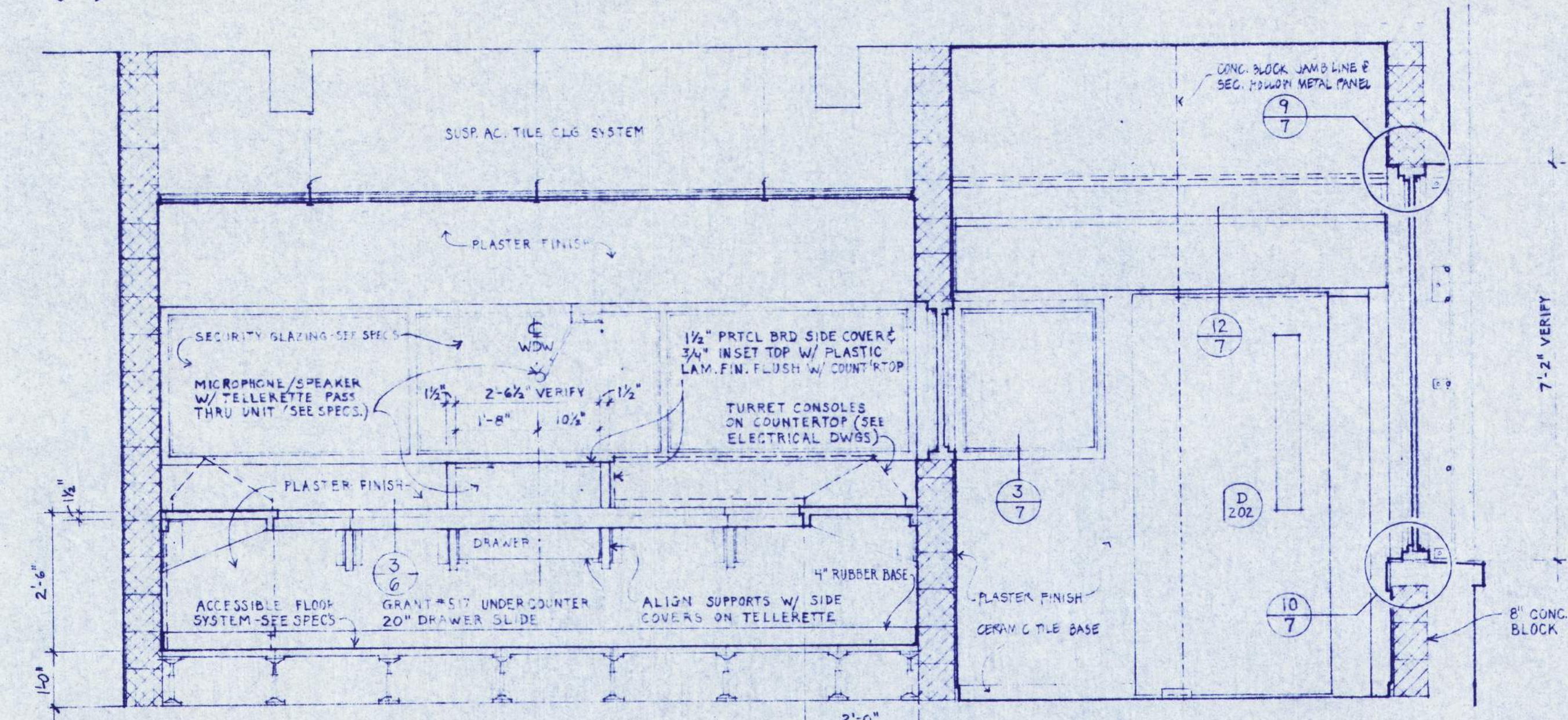
ENLARGED FLOOR PLAN CENTRAL CONTROL ROOM & SALLY-PORT
 1/2" = 1'-0"



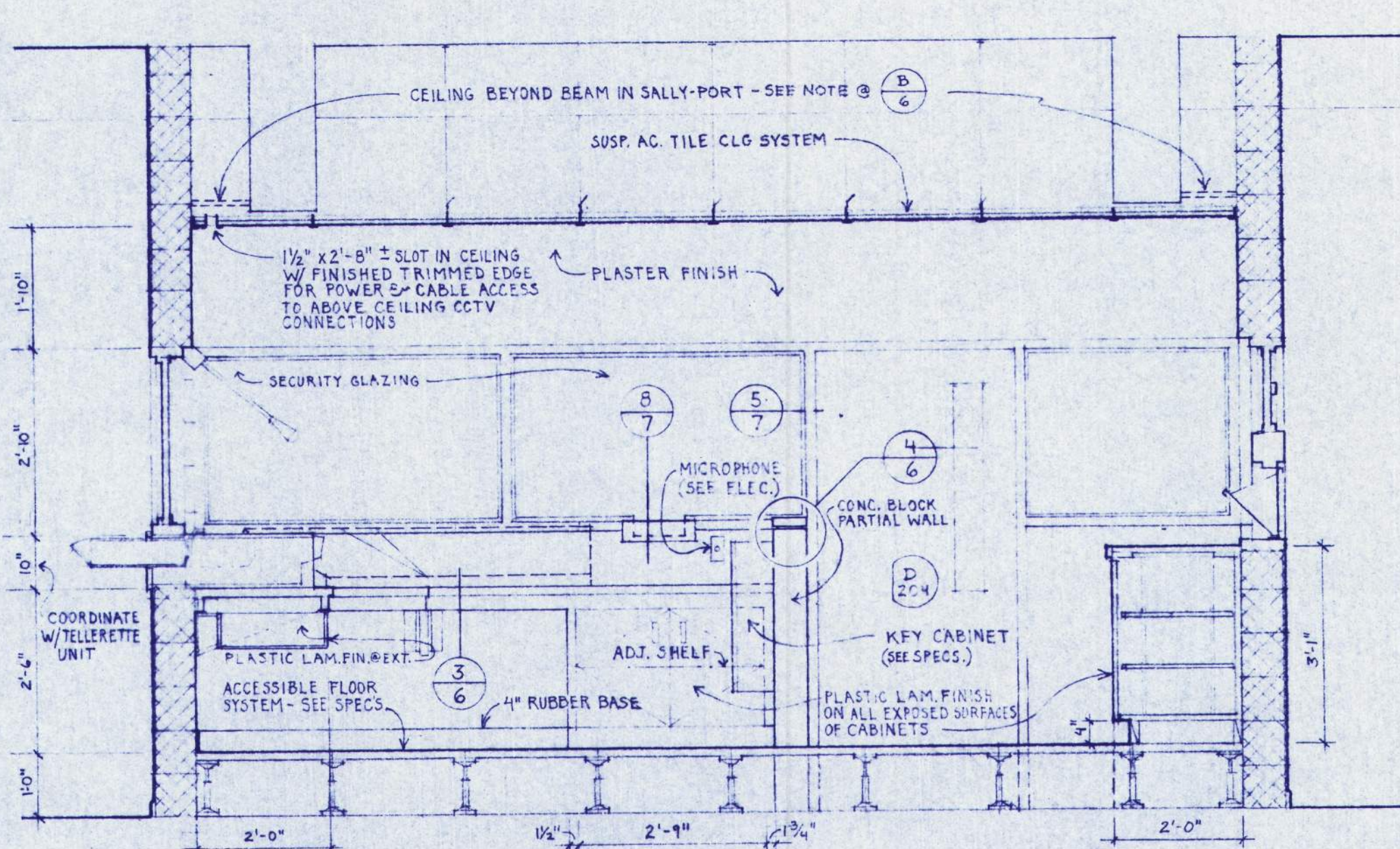
SOUTH WALL ELEVATION RECEPTION 201
 1/2" = 1'-0"



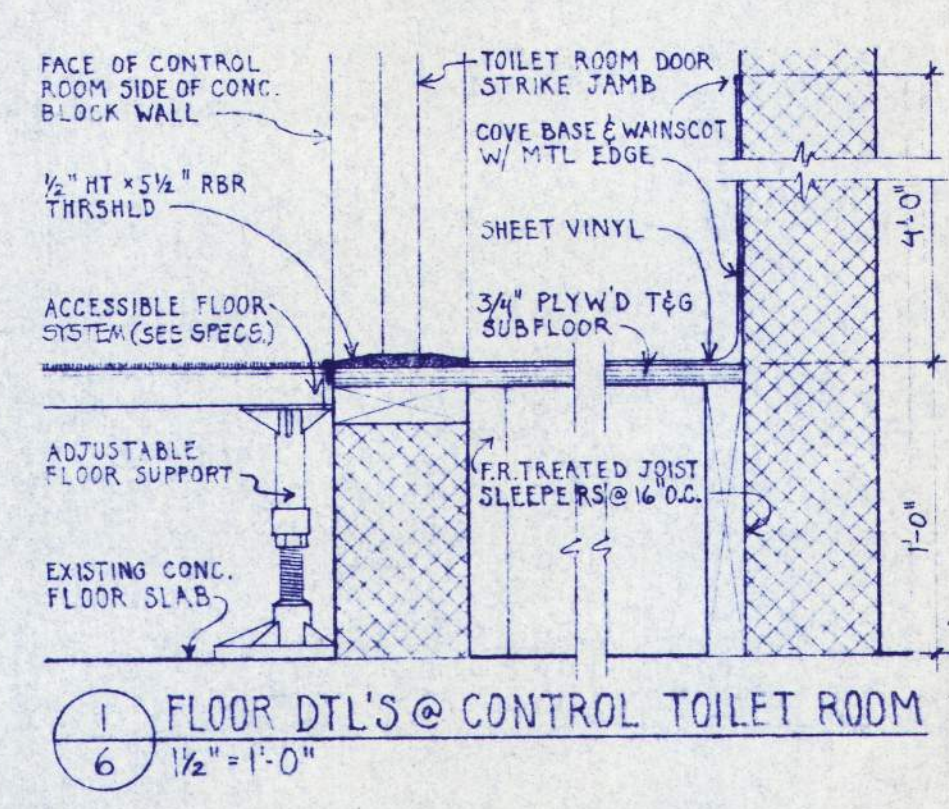
NORTH WALL ELEVATION CONTROLLED CIRCULATION
 1/2" = 1'-0"



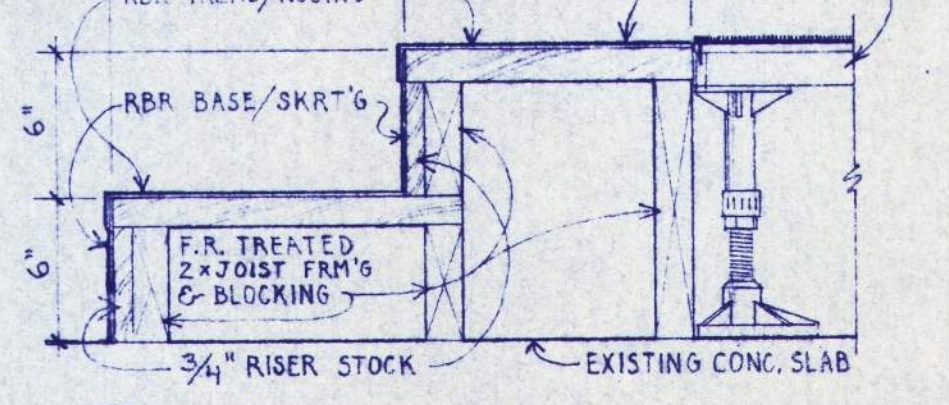
A NORTH WALL ELEVATION CENTRAL CONTROL ROOM & SALLY-PORT
 1/2" = 1'-0"



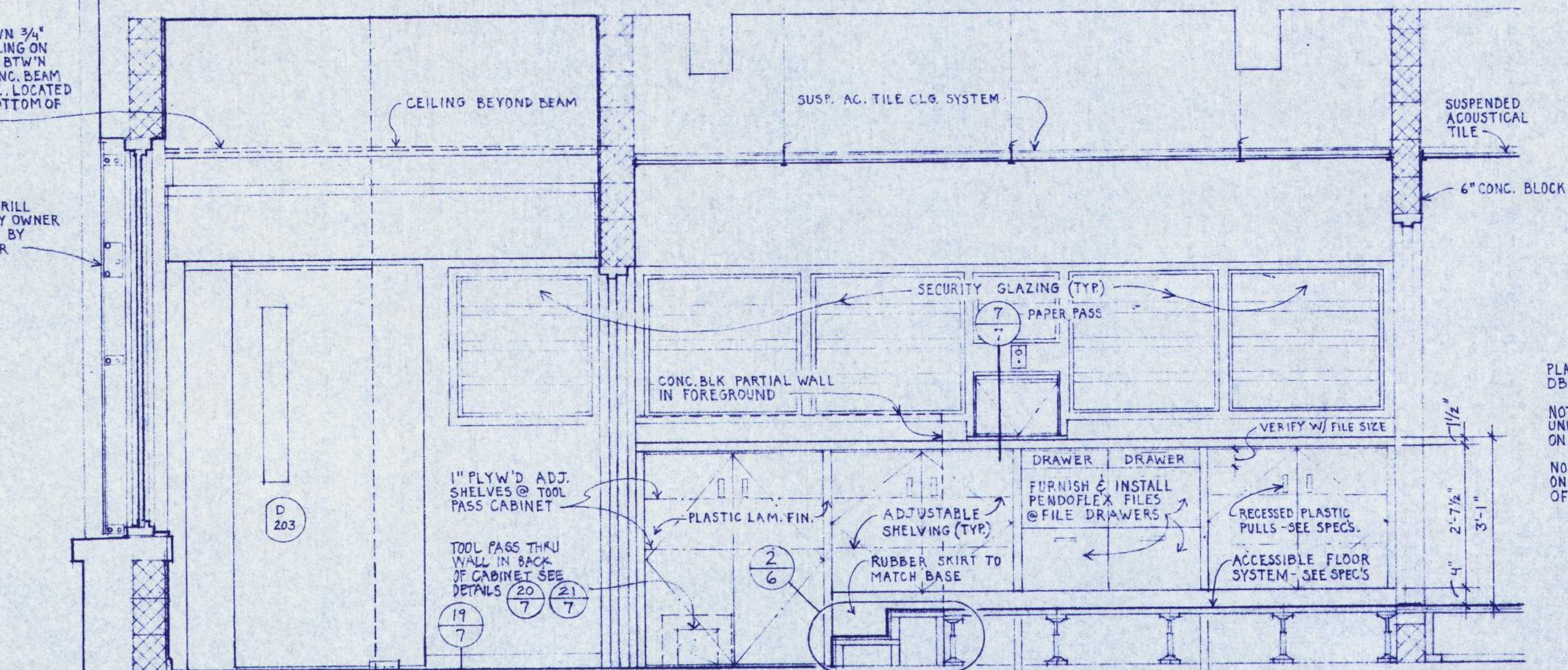
C EAST WALL ELEVATION CENTRAL CONTROL ROOM
 1/2" = 1'-0"



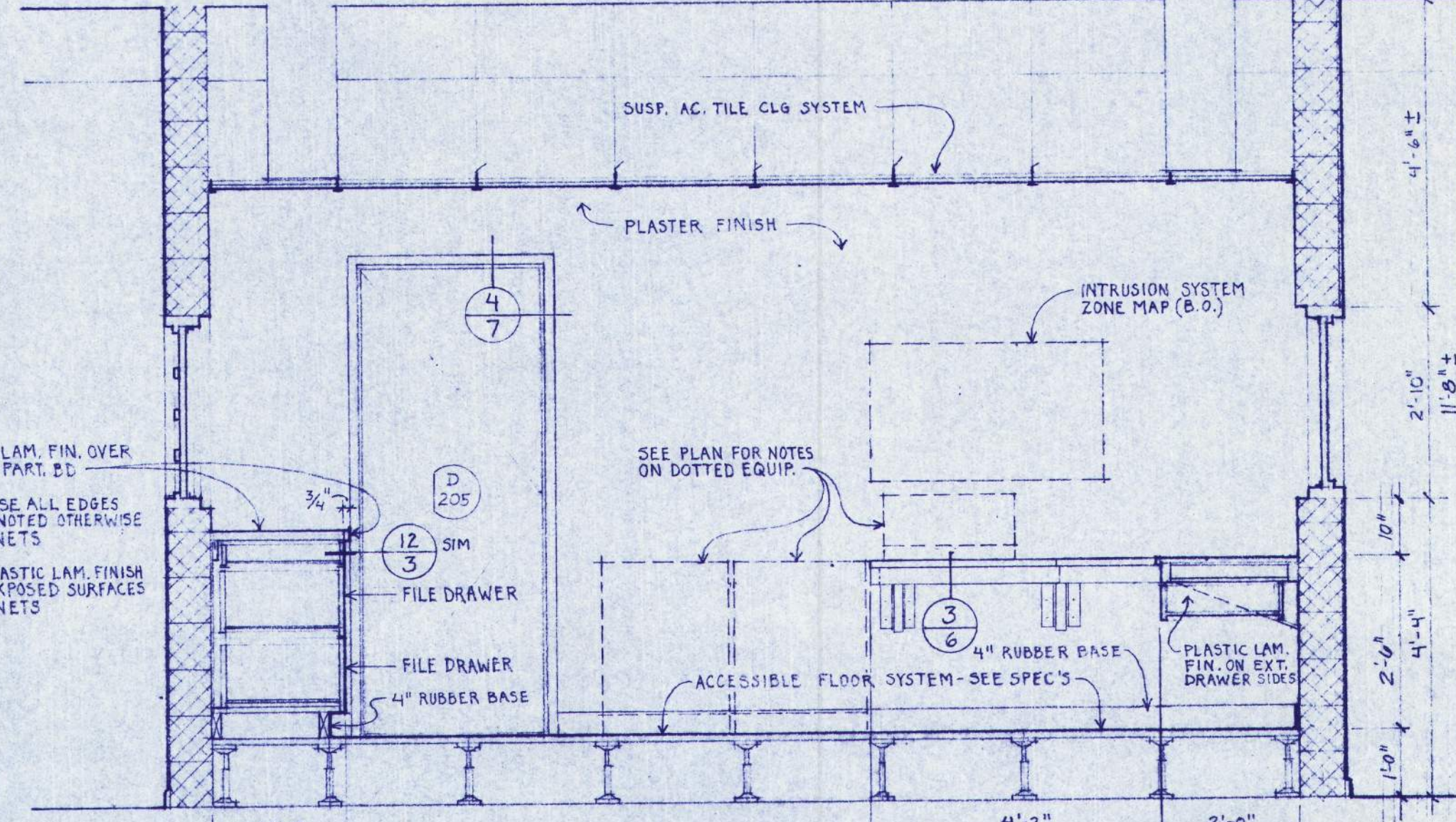
1 FLOOR DTL'S @ CONTROL TOILET ROOM
 1/2" = 1'-0"



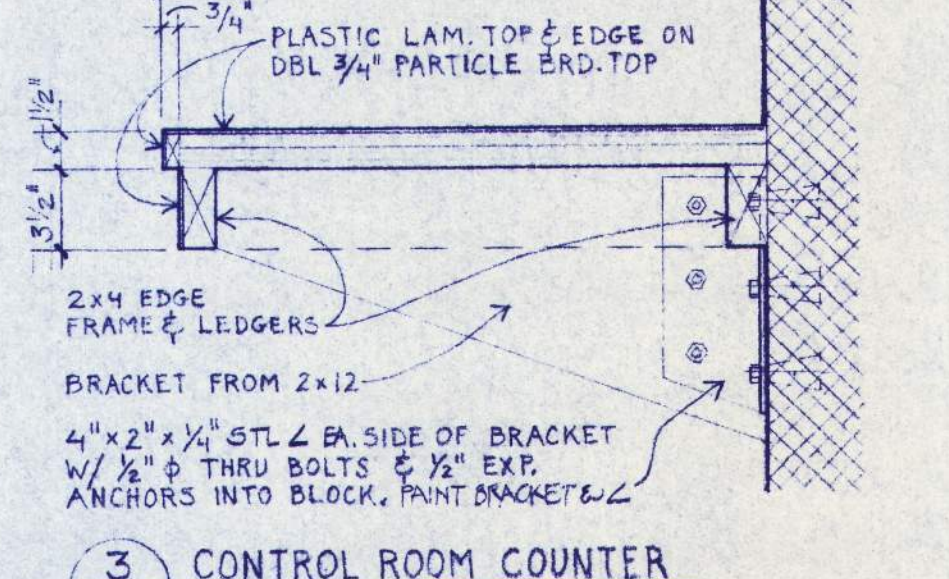
2 DETAILS @ STEPS UP TO ACCESSIBLE FLOOR
 1/2" = 1'-0"



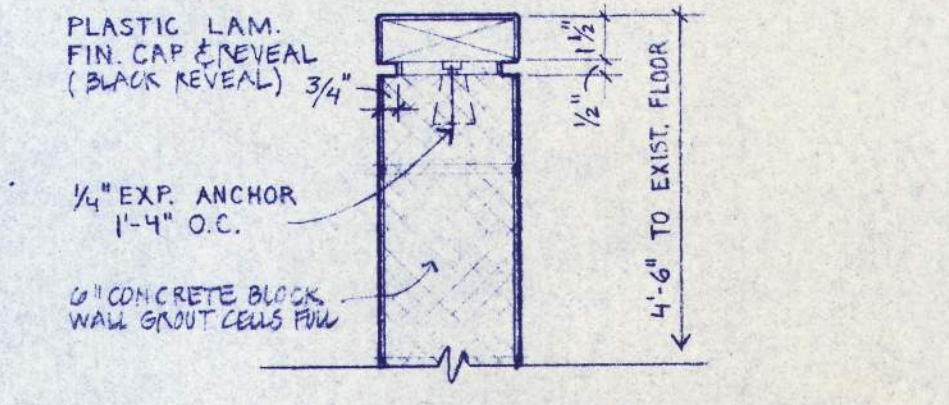
B SOUTH WALL ELEVATION CENTRAL CONTROL ROOM & SALLY-PORT
 1/2" = 1'-0"



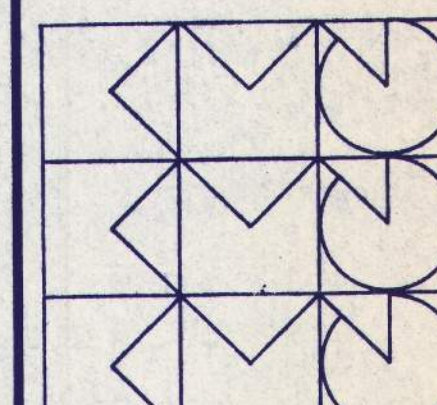
D WEST WALL ELEVATION CENTRAL CONTROL ROOM
 1/2" = 1'-0"



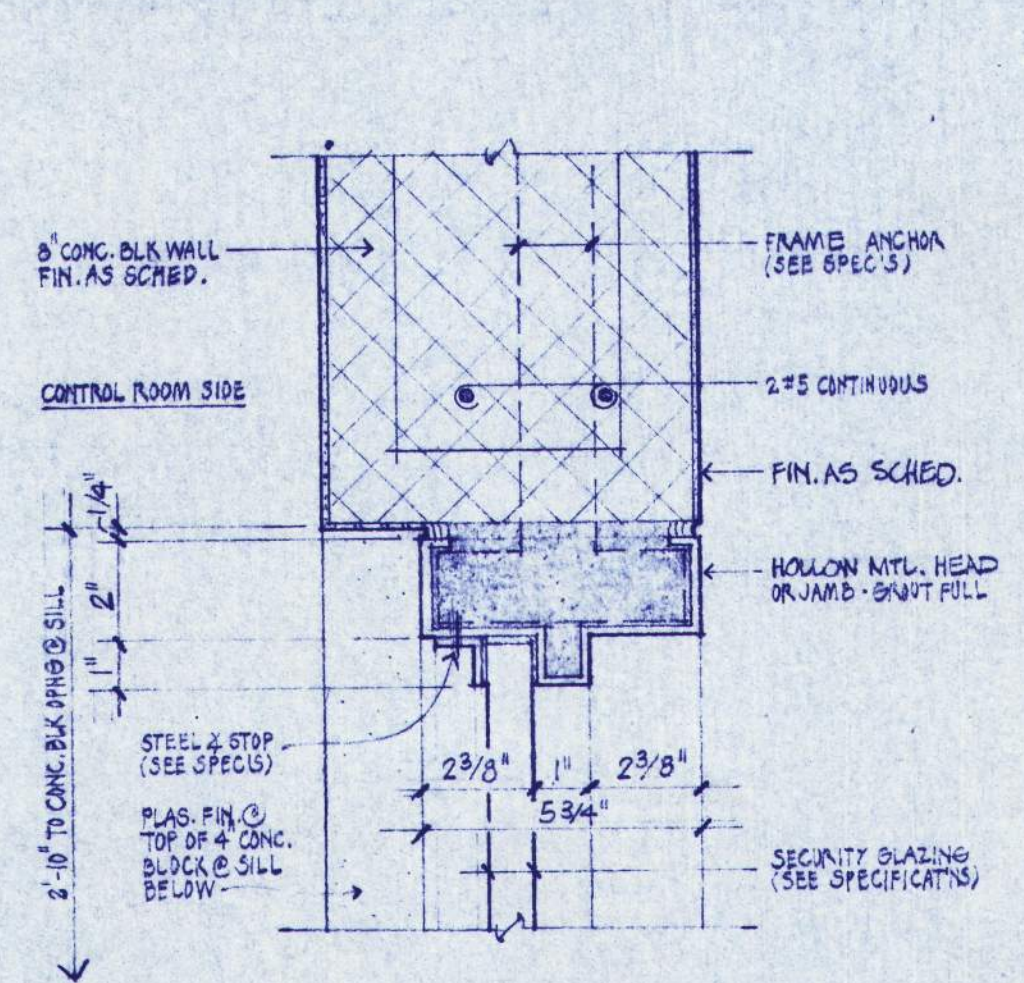
3 CONTROL ROOM COUNTER
 1/2" = 1'-0"



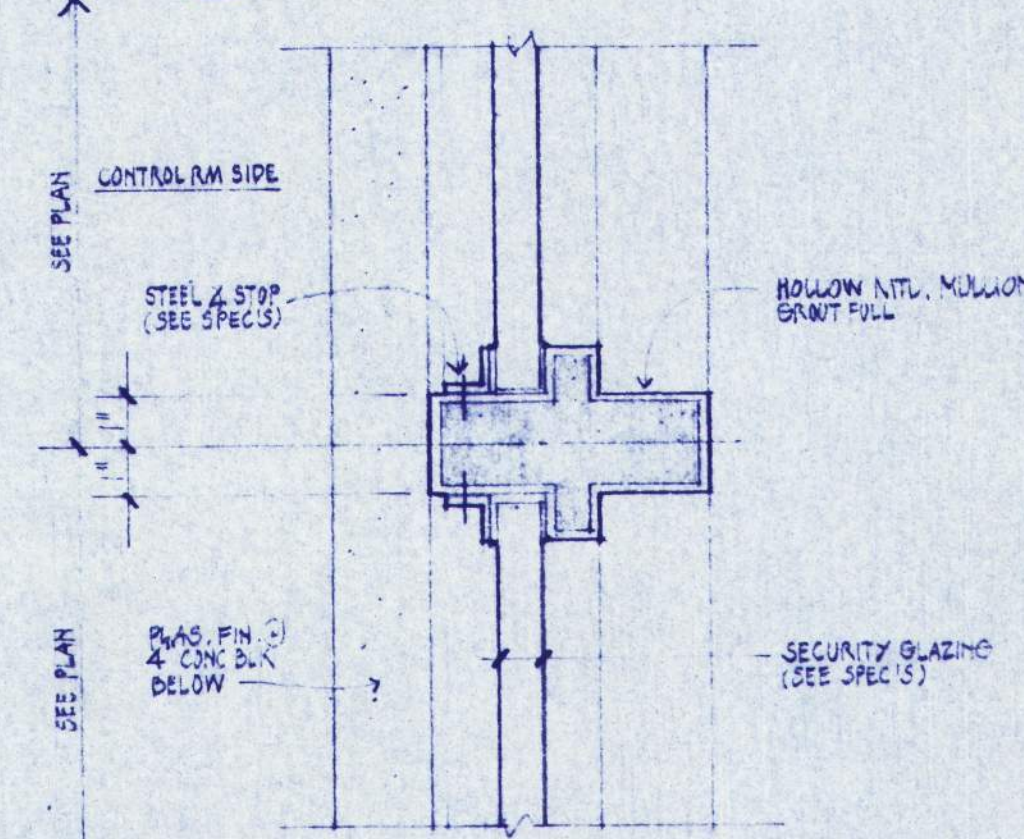
4 WALL CAP DETAIL
 1/2" = 1'-0"



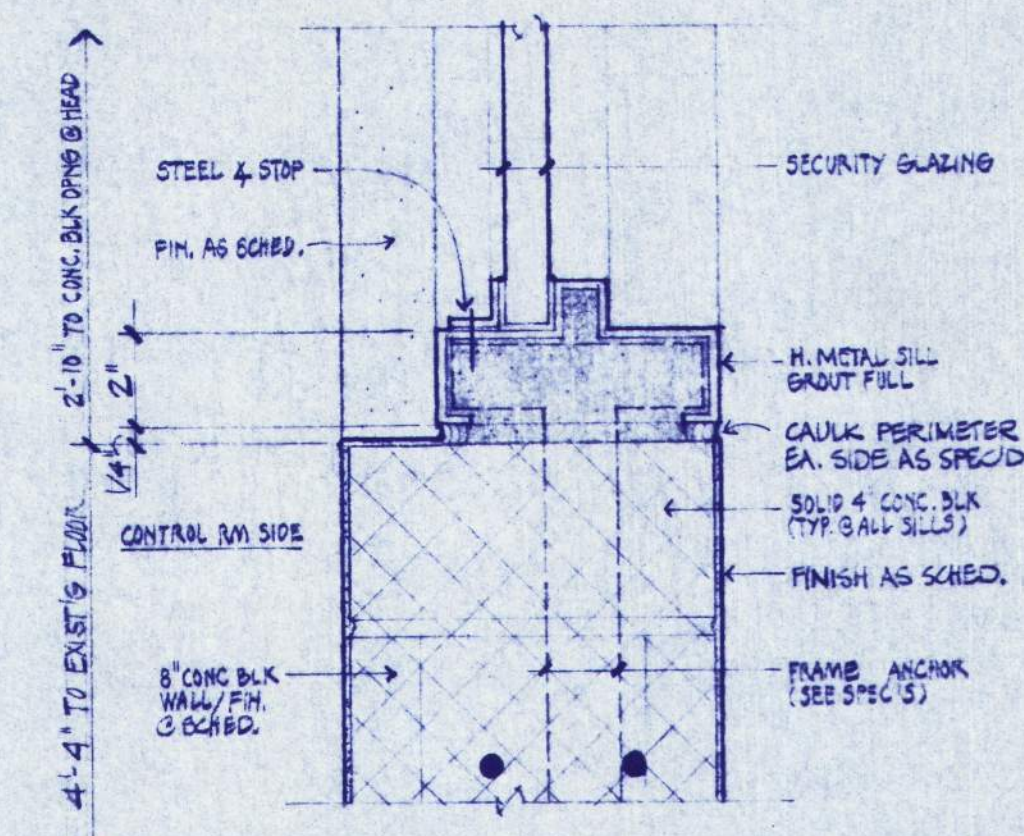
APPROVED
 DRAWN P.J.G., W.P.H.
 DATE 7-26-84
 JOB 801



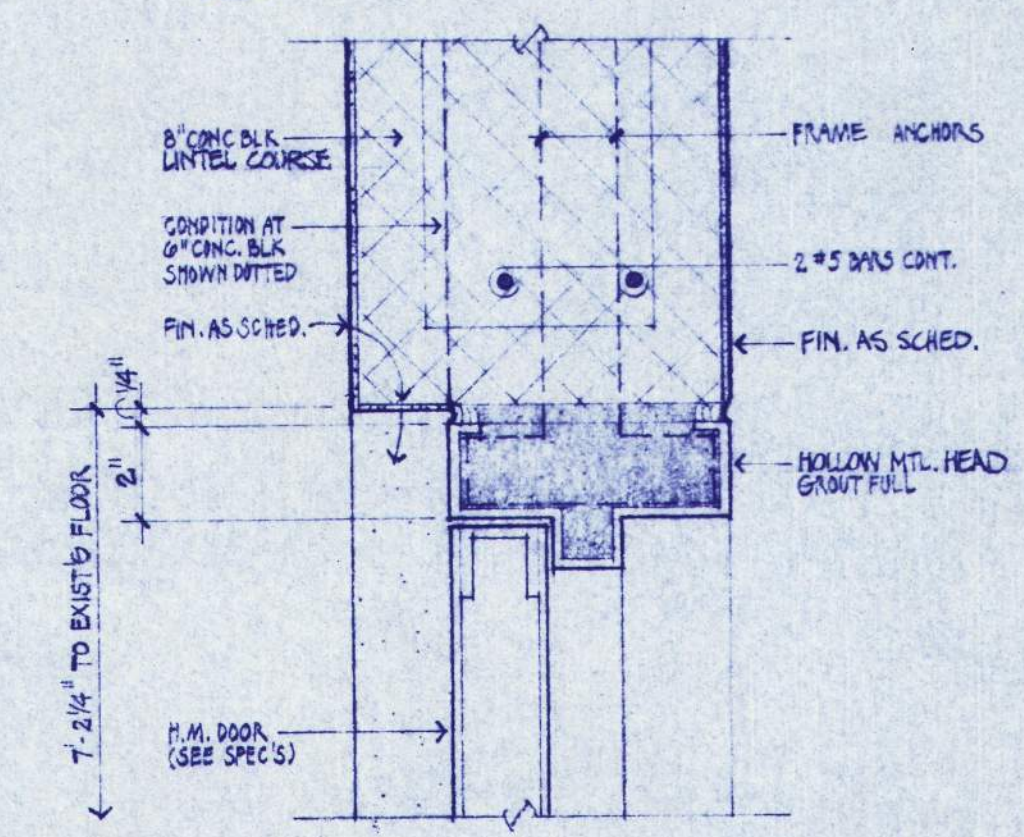
1 RELITE HEAD (JAMB SIMILAR)



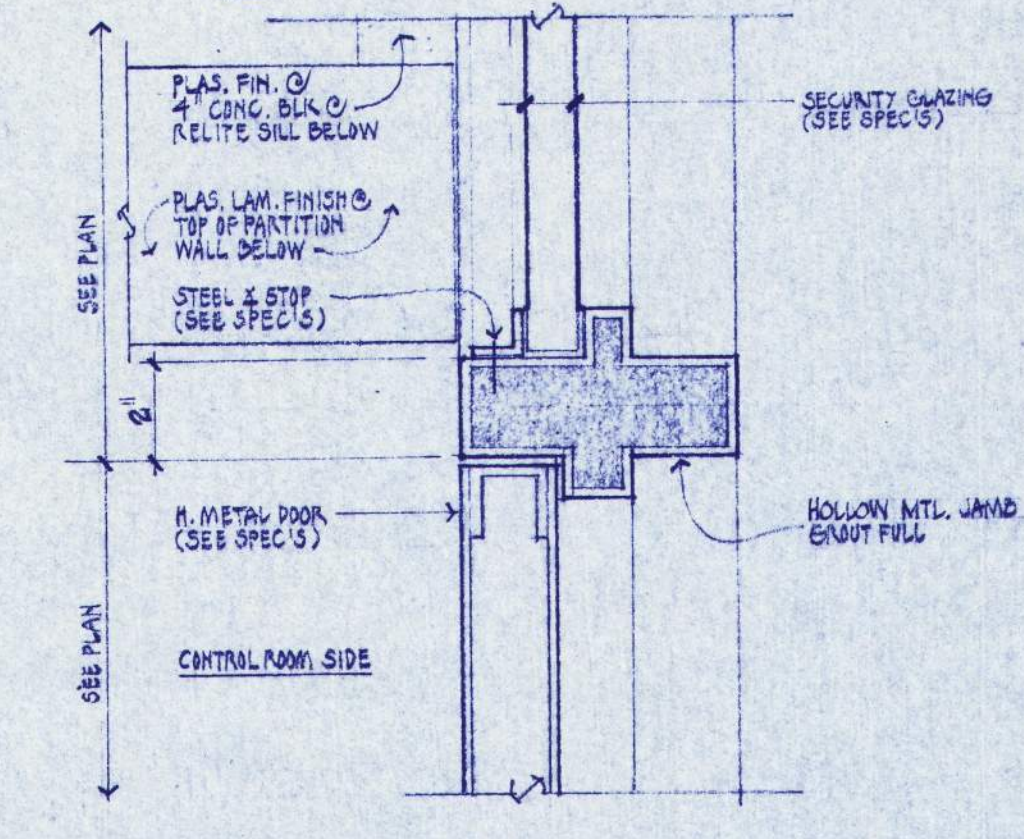
2 RELITE MULLION



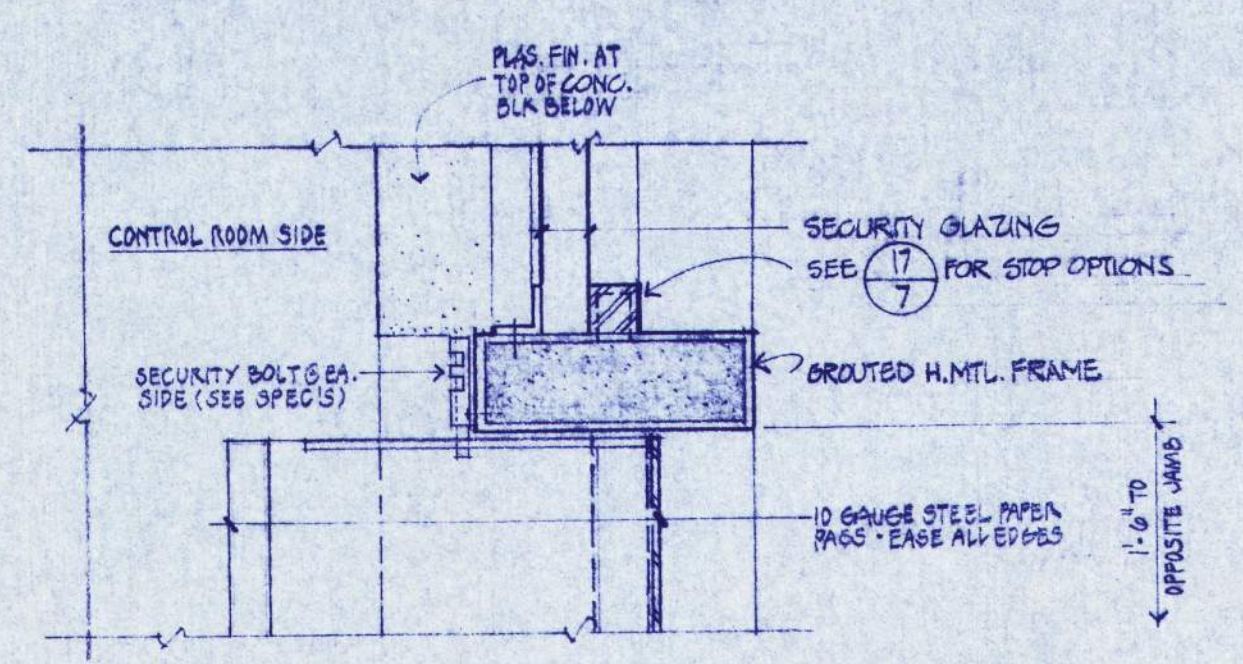
3 RELITE SILL



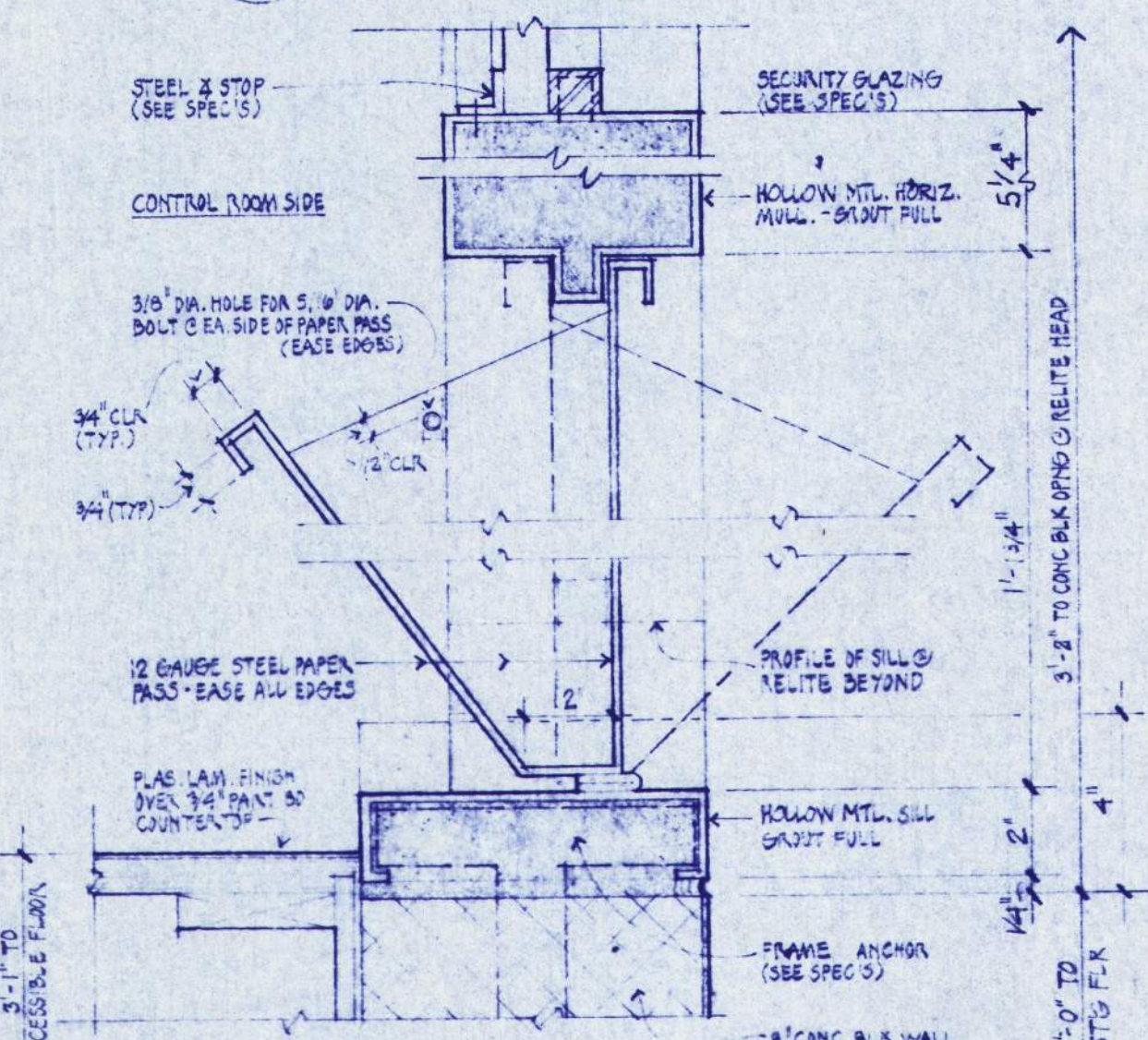
4 DOOR HEAD (JAMB SIMILAR)



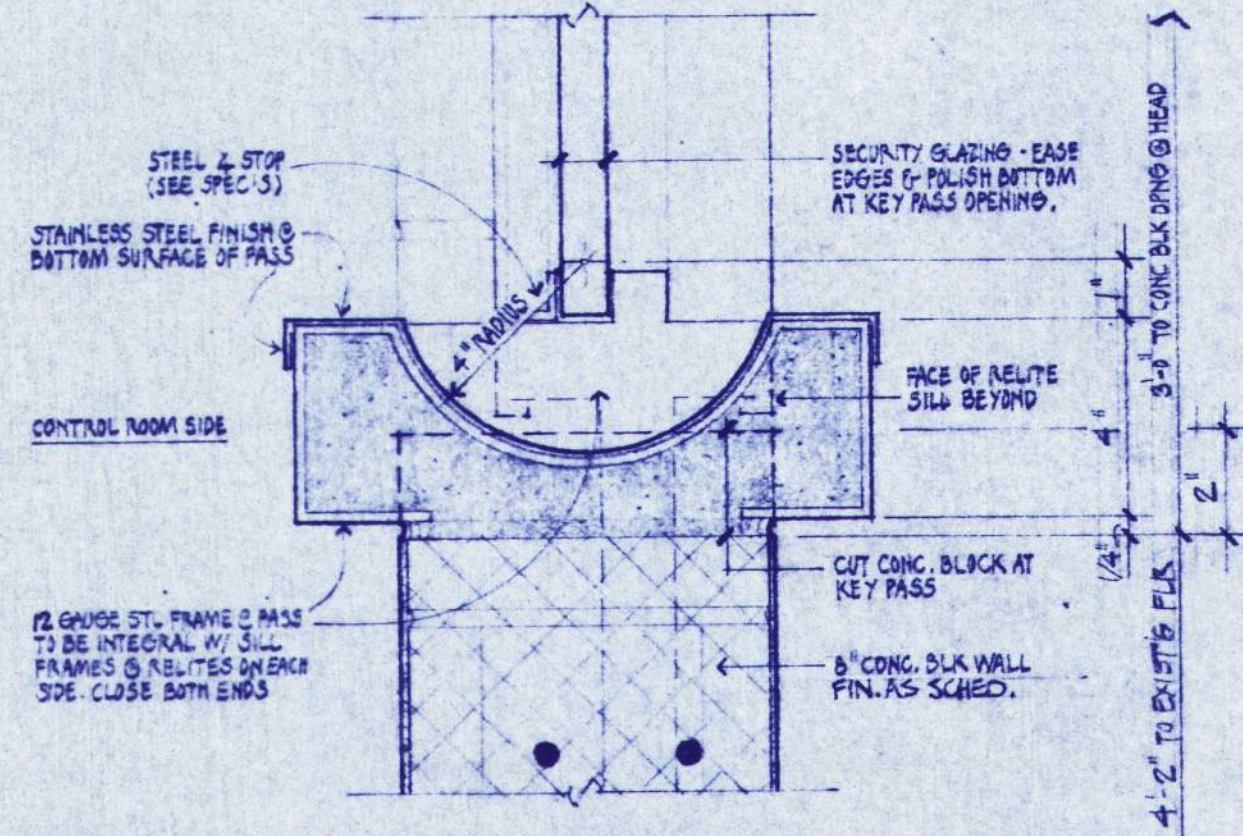
5 DOOR JAMB @ RELITE



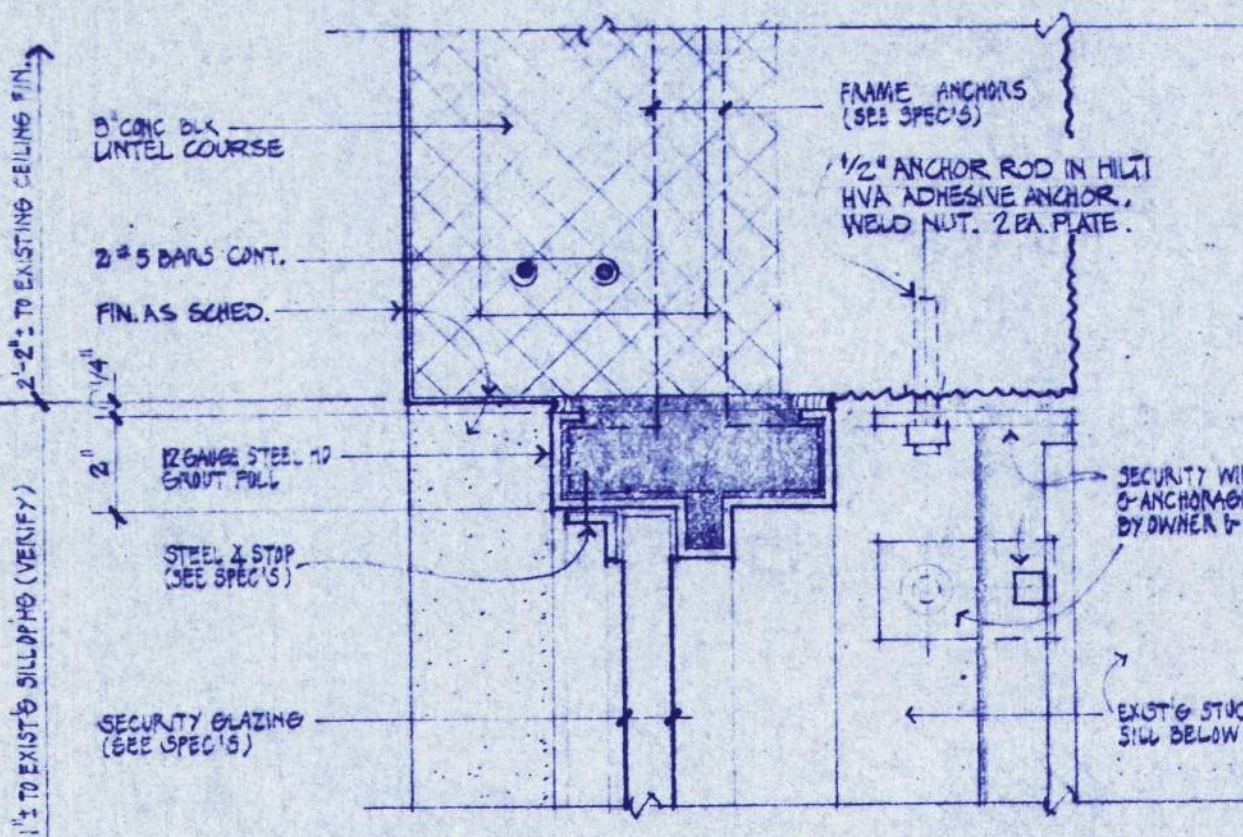
6 JAMB @ PAPER PASS



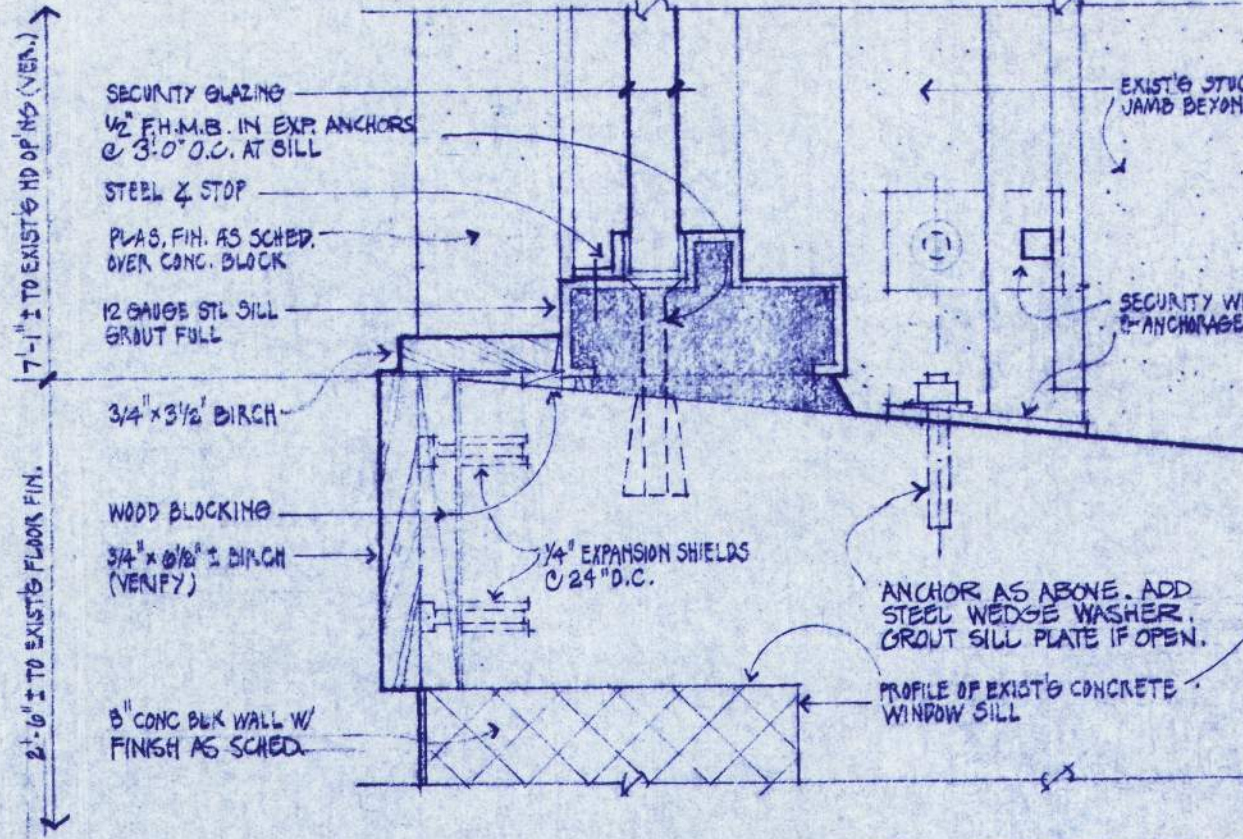
7 SILL @ PAPER PASS



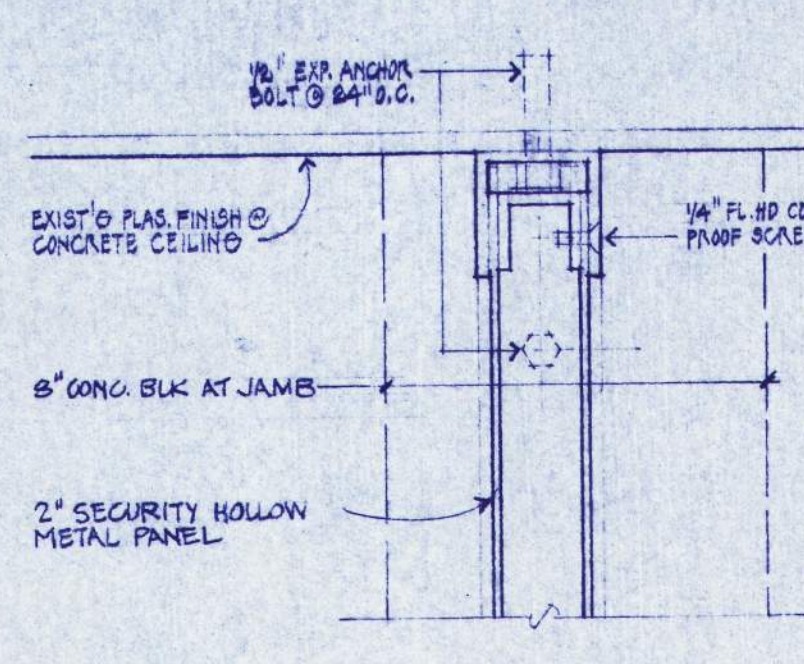
8 SILL @ KEY PASS



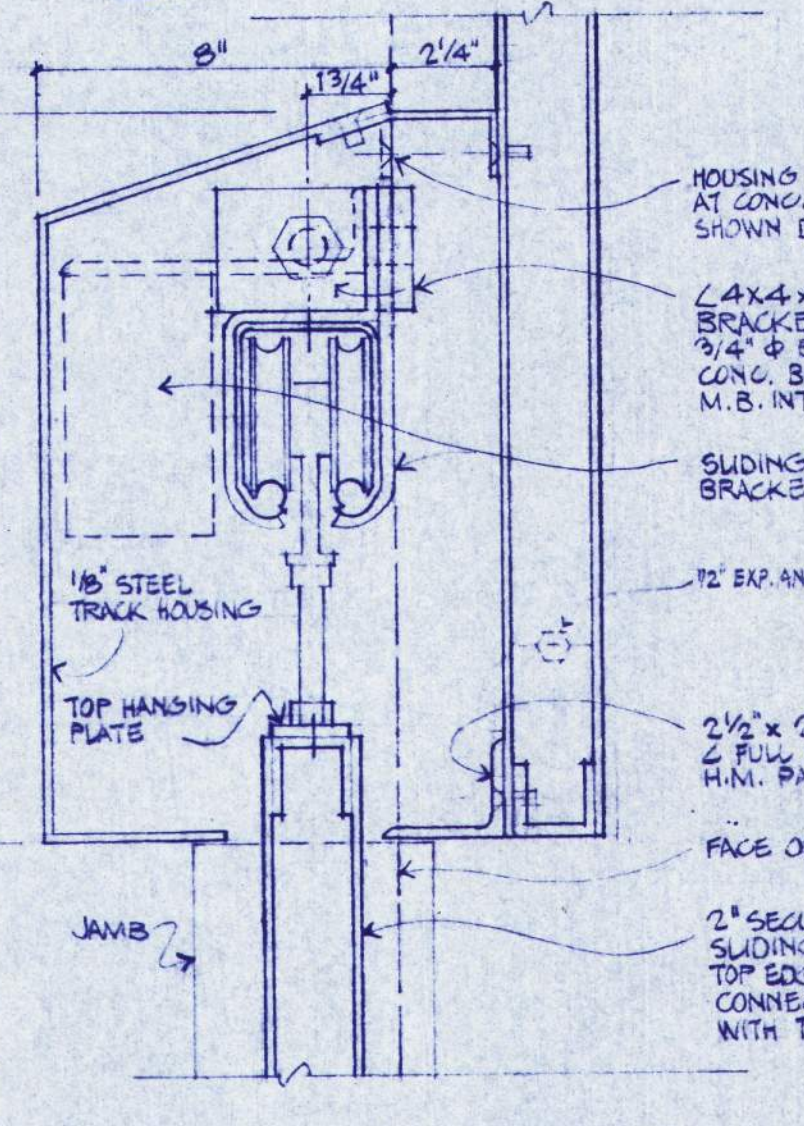
9 HEAD @ SALLY PORT EXTERIOR WDW (JAMB SIMILAR)



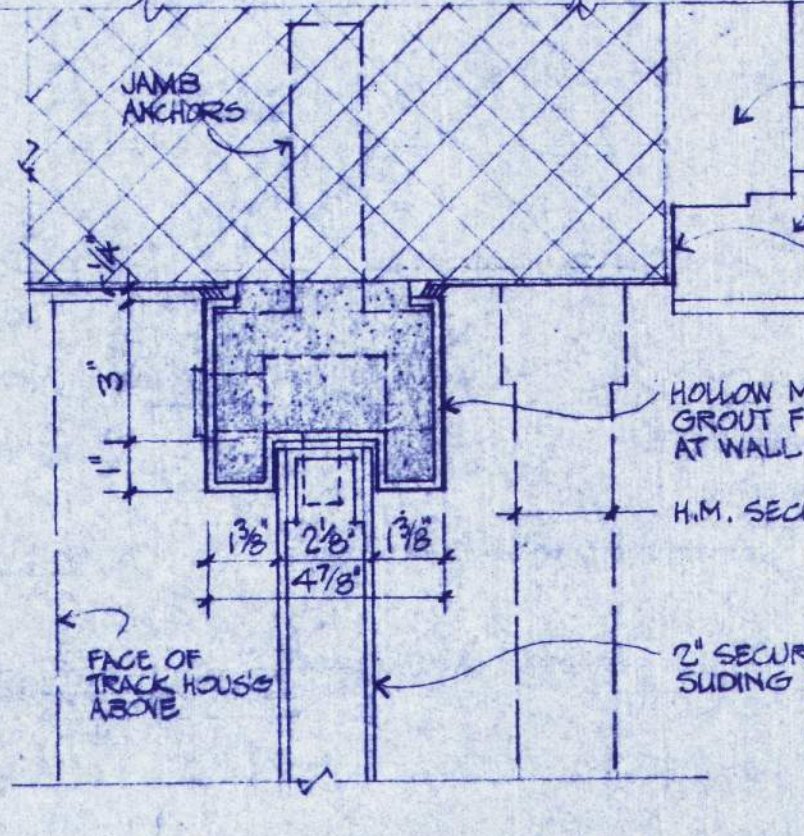
10 SILL @ SALLY PORT EXTERIOR WDW



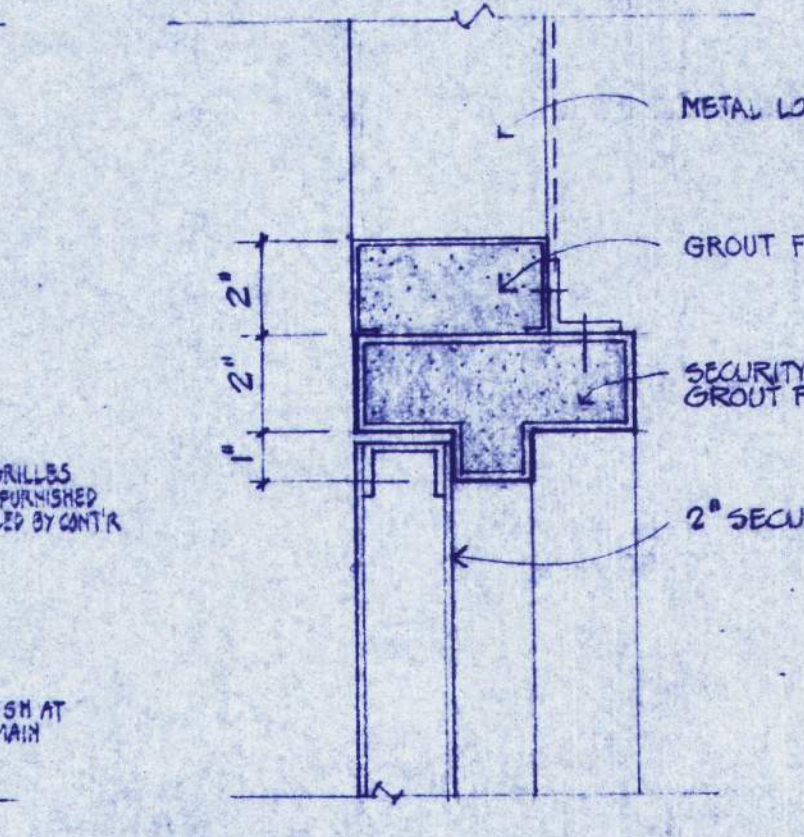
11 SECURITY H.M. PANEL HEAD (JAMB SIMILAR)



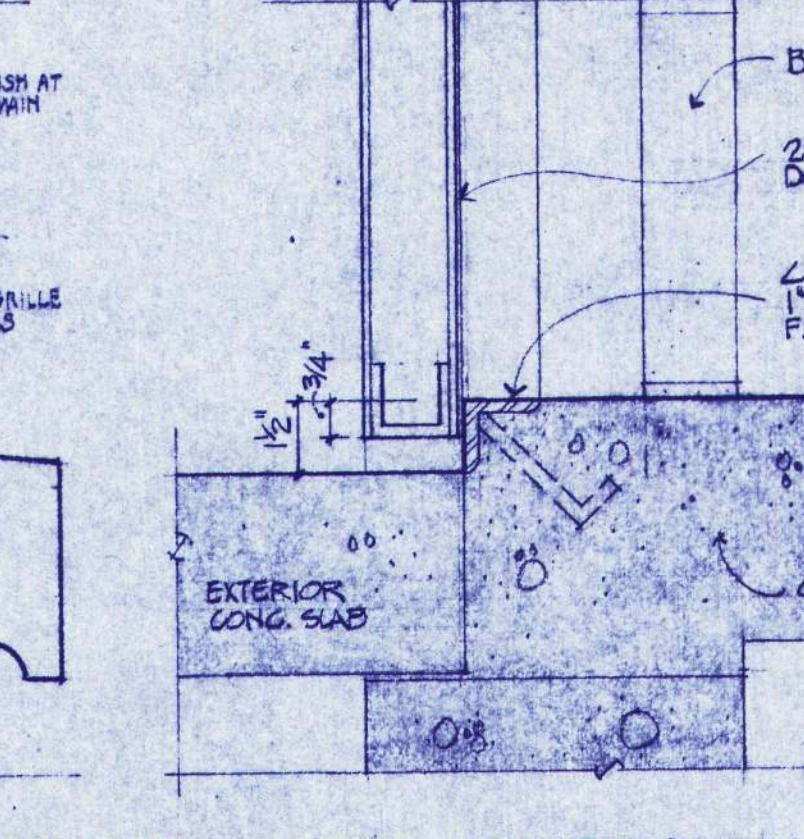
12 SLIDING DOOR TRACK & HSG.



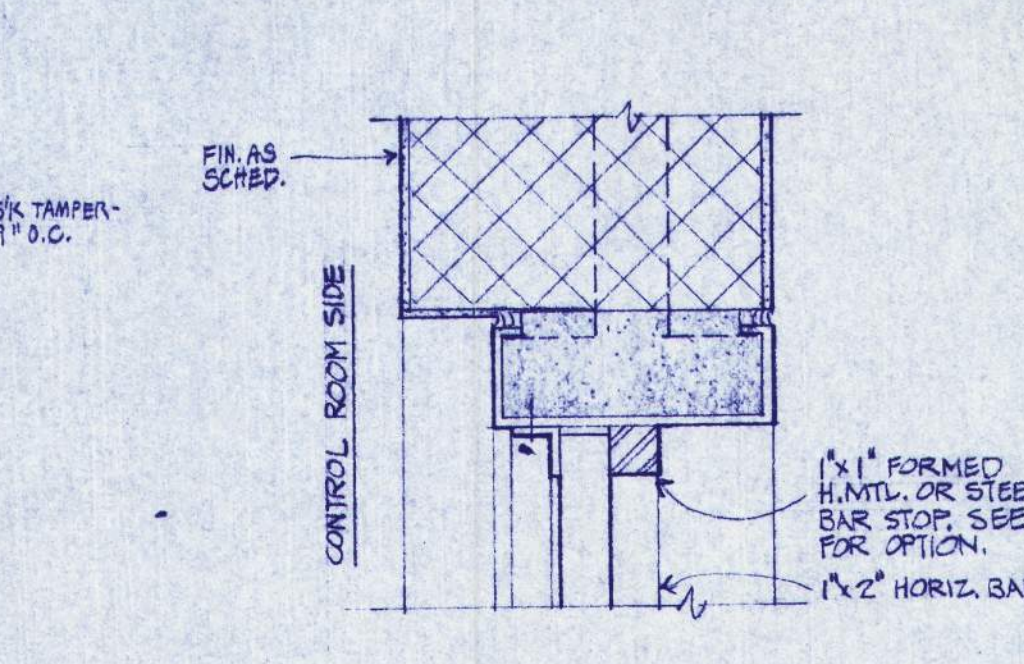
13 SLIDING DOOR LOCKING JAMB



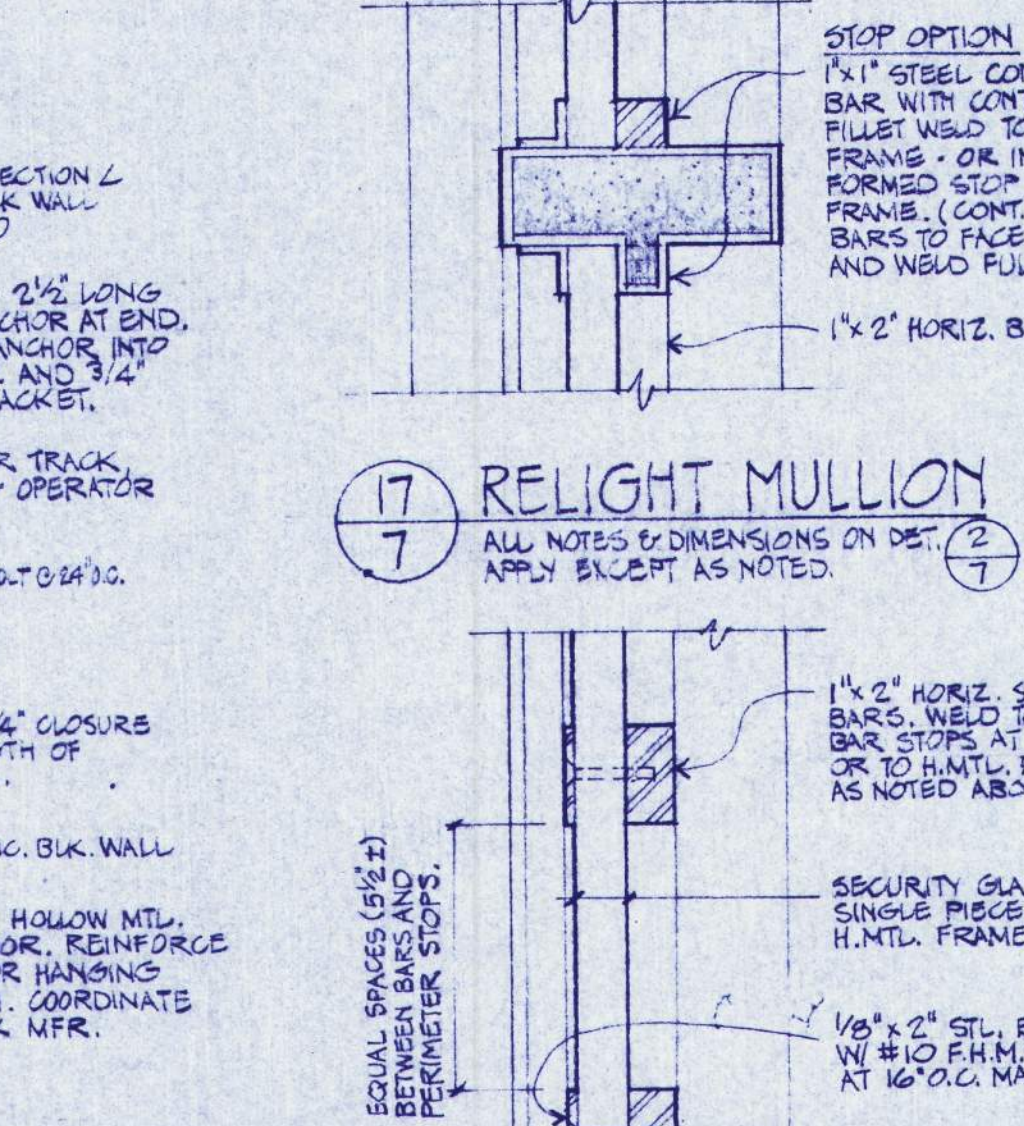
14 DOOR JAMB AT LOUVER



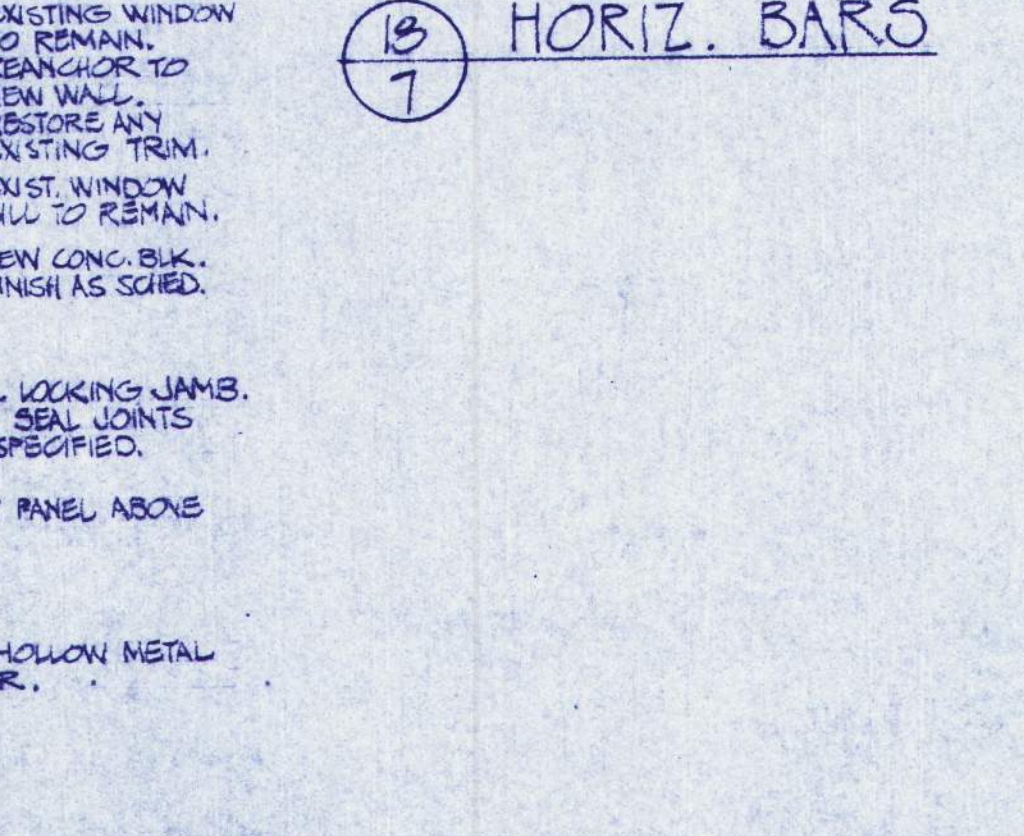
15 STEEL THRESHOLD



16 RELIGHT HEAD (JAMB SILL SIM.)



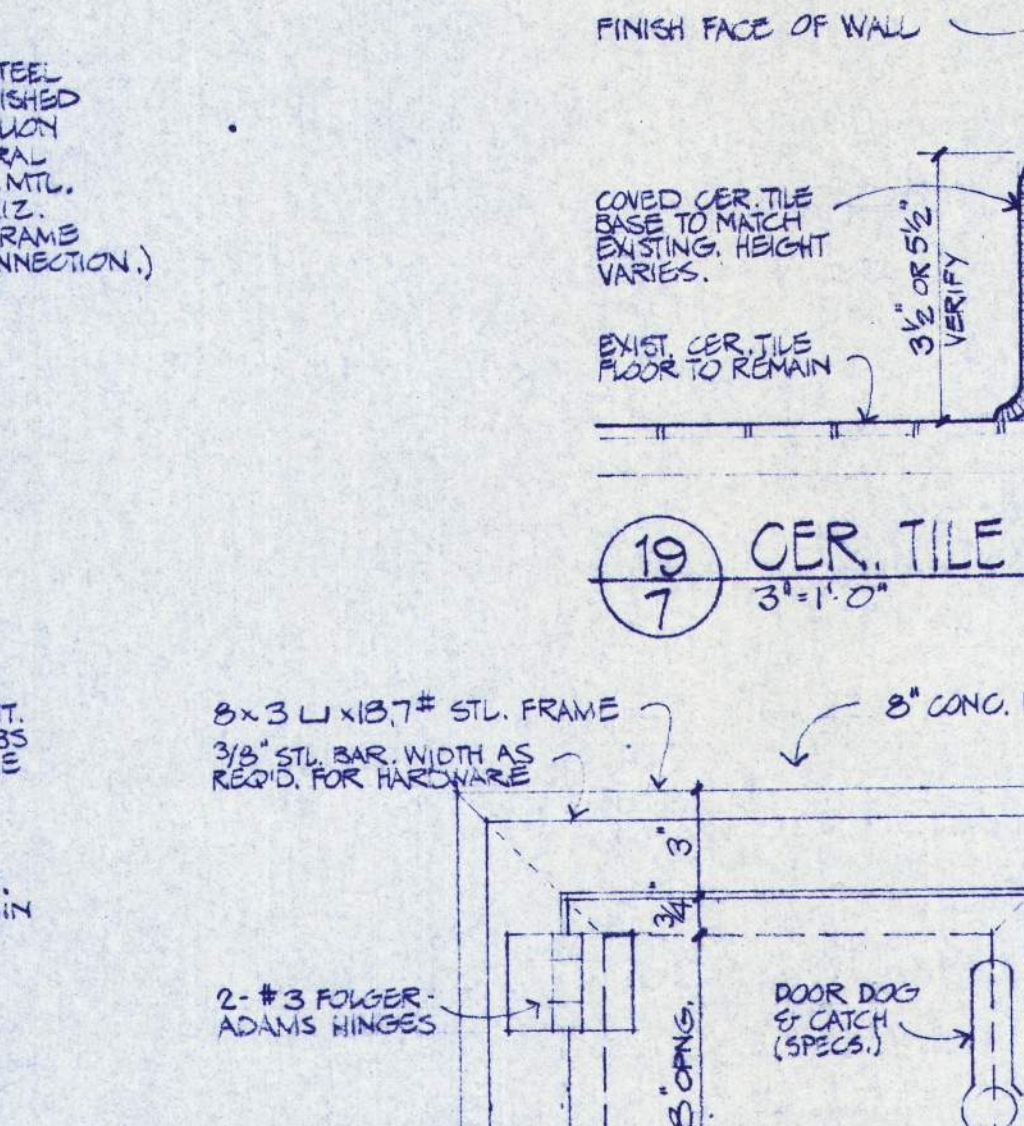
17 RELIGHT MULLION



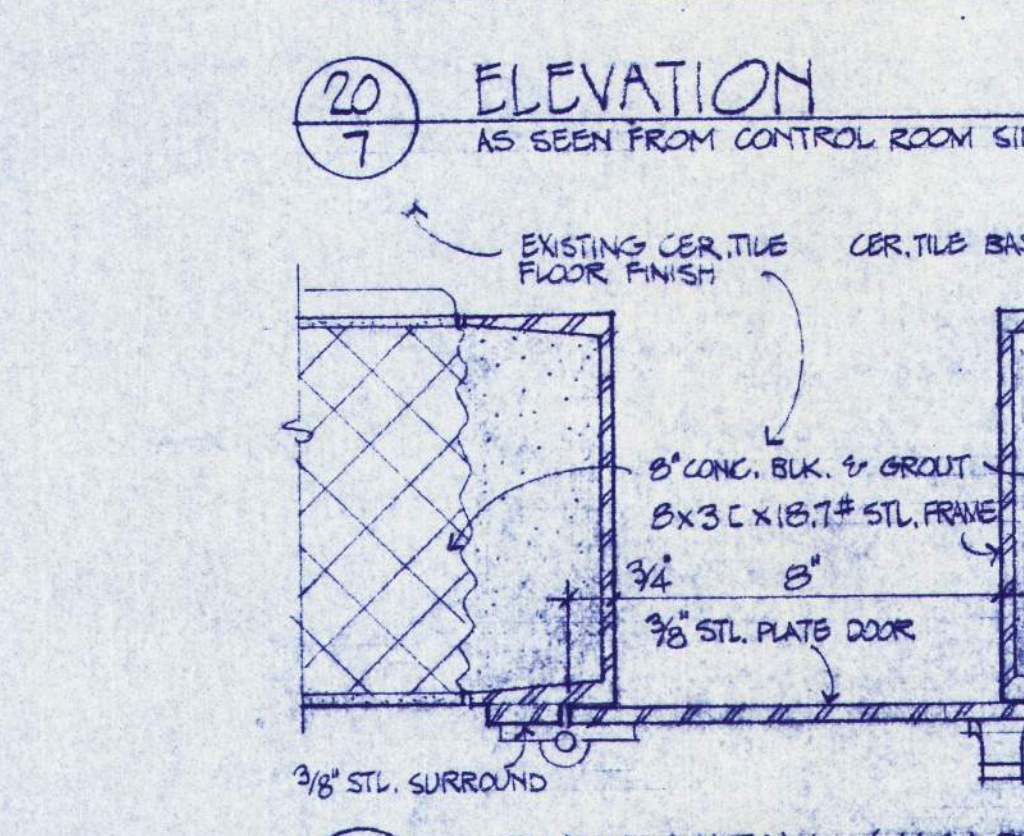
18 HORIZ. BARS



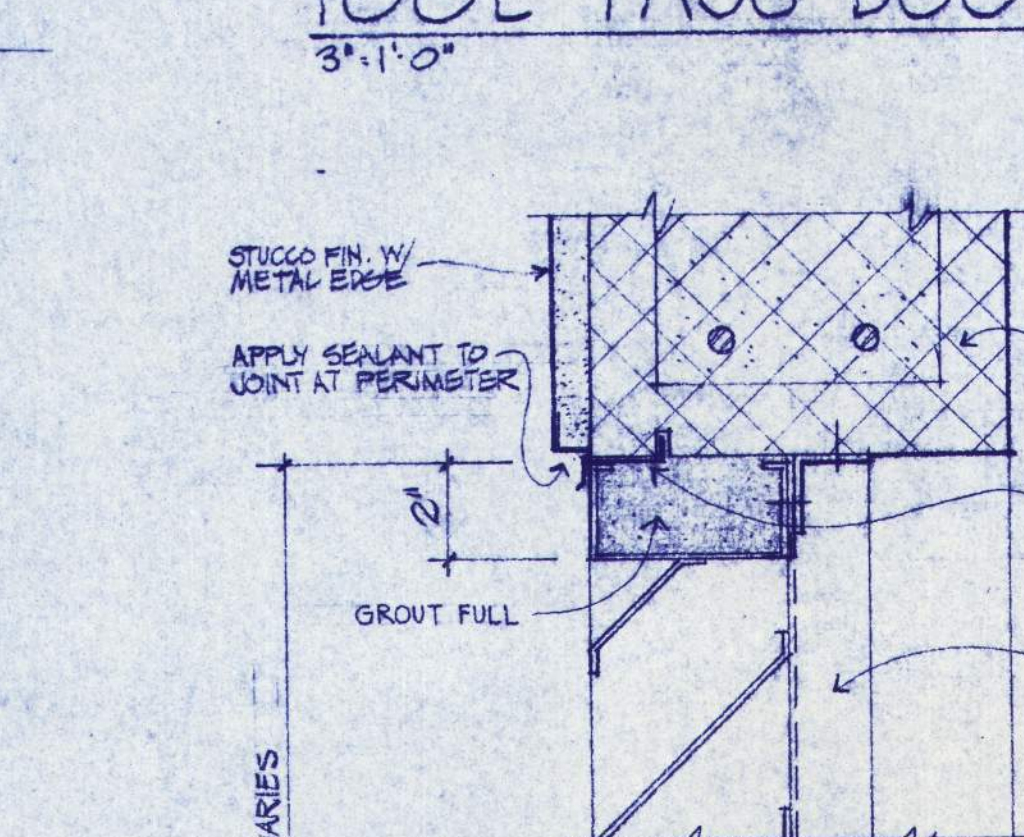
19 CER. TILE BASE



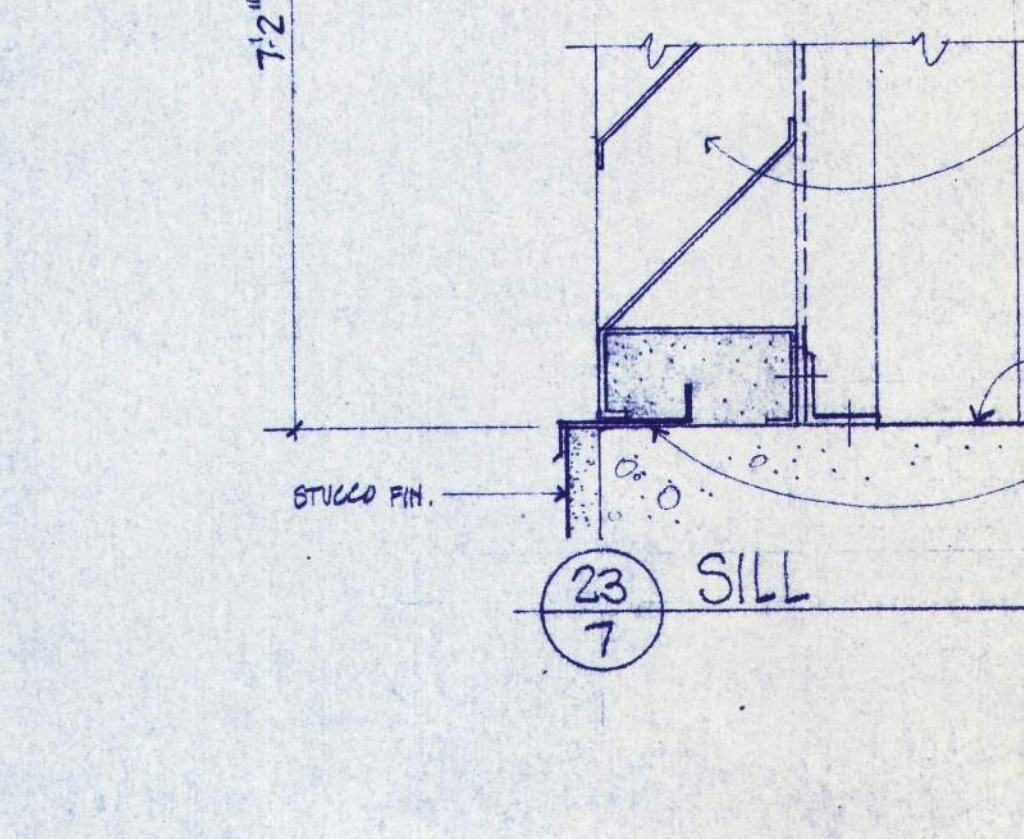
20 ELEVATION AS SEEN FROM CONTROL ROOM SIDE



21 PLAN VIEW (HEAD SIM.) TOOL PASS DOOR



22 HEAD (JAMB SIM.)

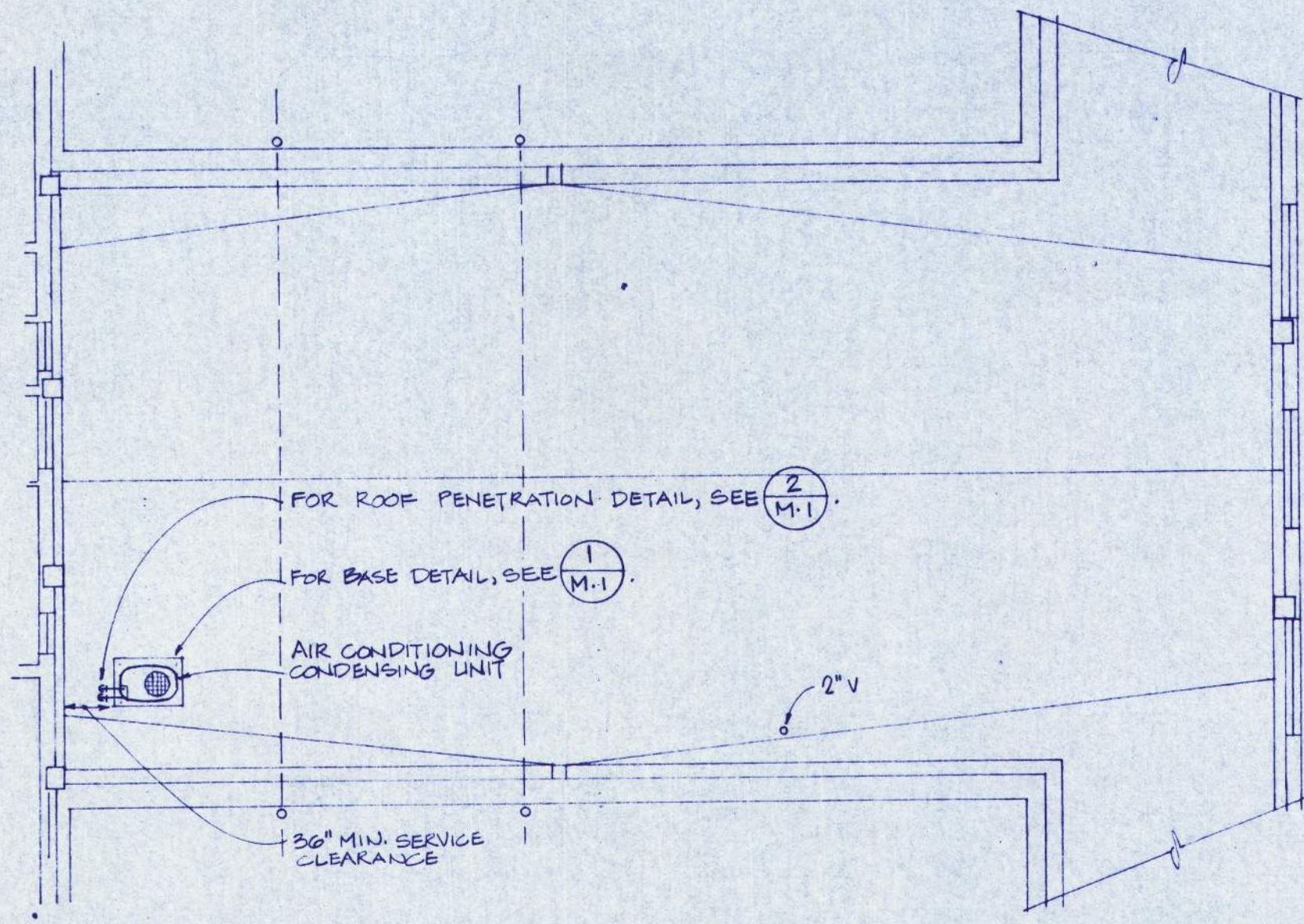


23 SILL

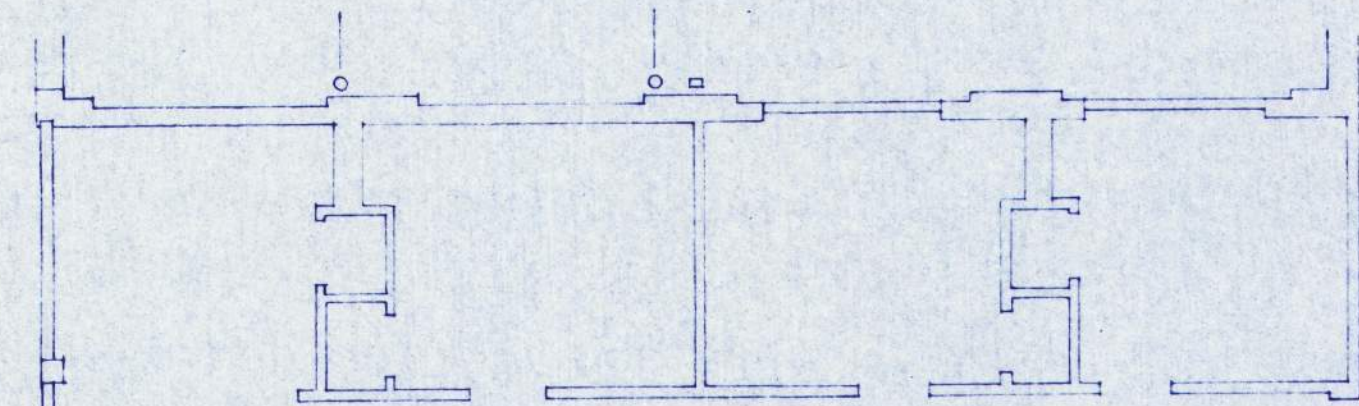
CENTRAL CONTROL ROOM & SALLY-PORT HOLLOW METAL RELITE & DOOR FRAMES
3\"/>

LOUVER DETAILS
3\"/>

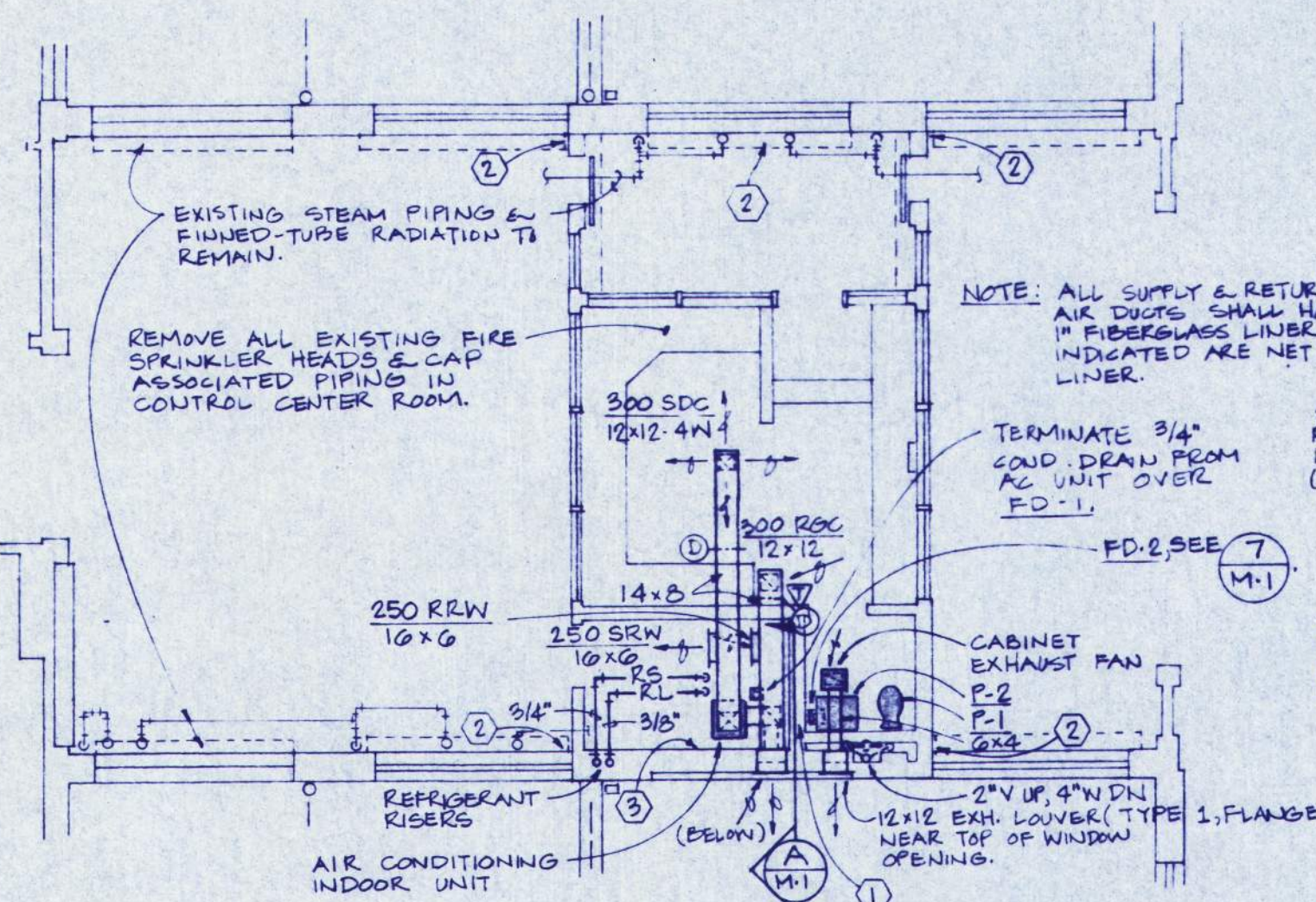
APPROVED	
DRAWN	GOM, RAW
DATE	7-26-04
JOB	201



PARTIAL D-ROOF PLAN - MECHANICAL
1/8" = 1'-0"

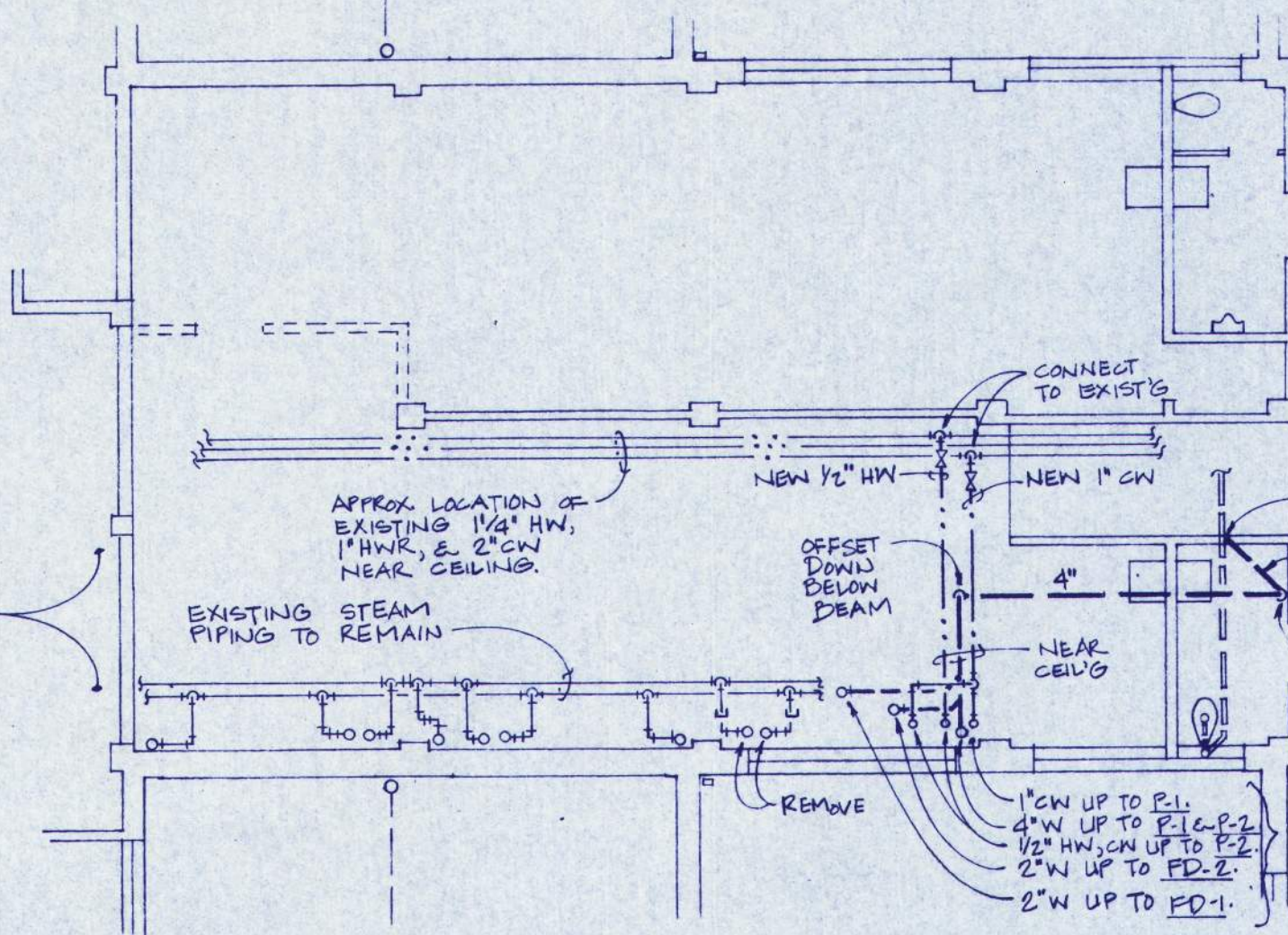


PARTIAL D-3 PLAN - MECHANICAL
1/8" = 1'-0"



PARTIAL D-2 PLAN - MECHANICAL
1/8" = 1'-0"

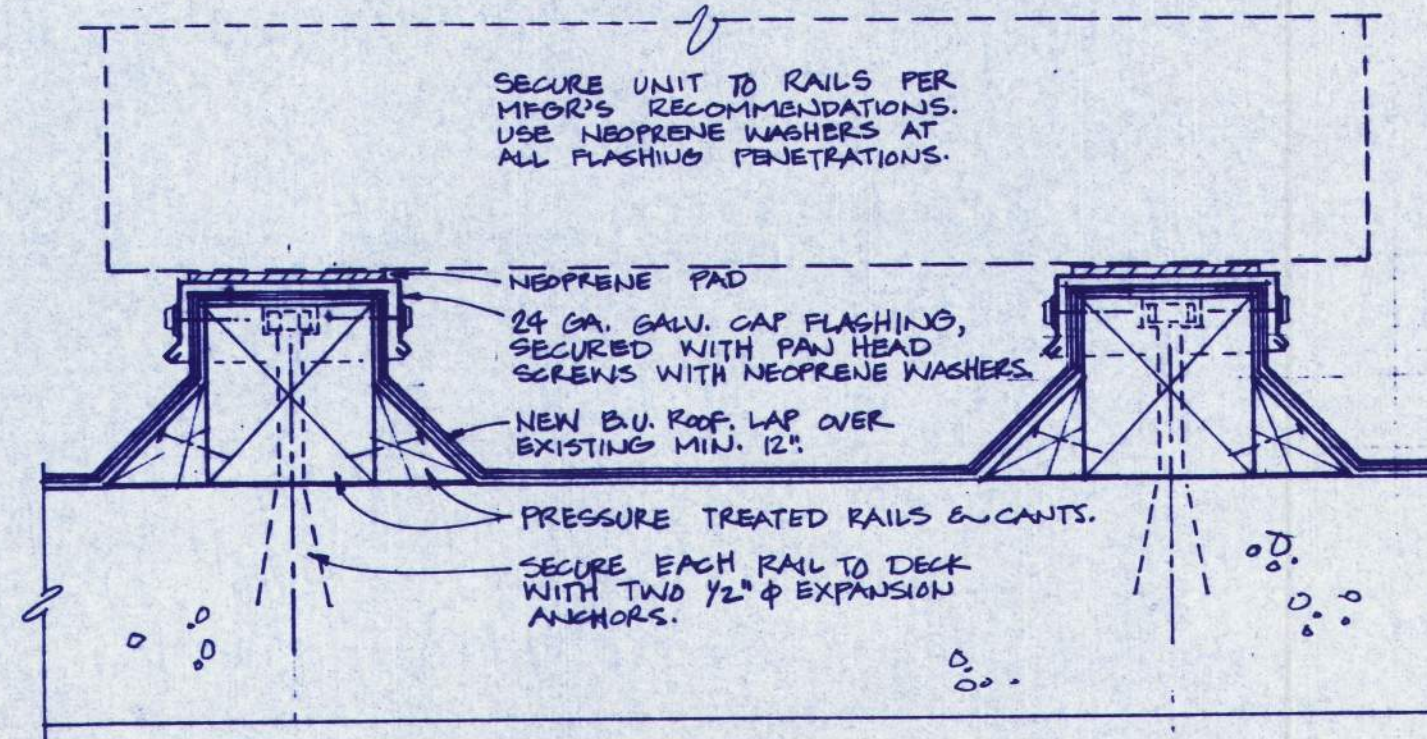
- KEY NOTES:
- 1) OFFSET EXISTING STEAM PIPE AS REQUIRED TO ACCOMMODATE NEW WALL.
 - 2) RELOCATE EXISTING FINNED-TUBE RADIATION & CABINET TO ACCOMMODATE NEW WALL.
 - 3) REMOVE EXISTING FINNED-TUBE RADIATION & CAP PIPES BELOW FLOOR.



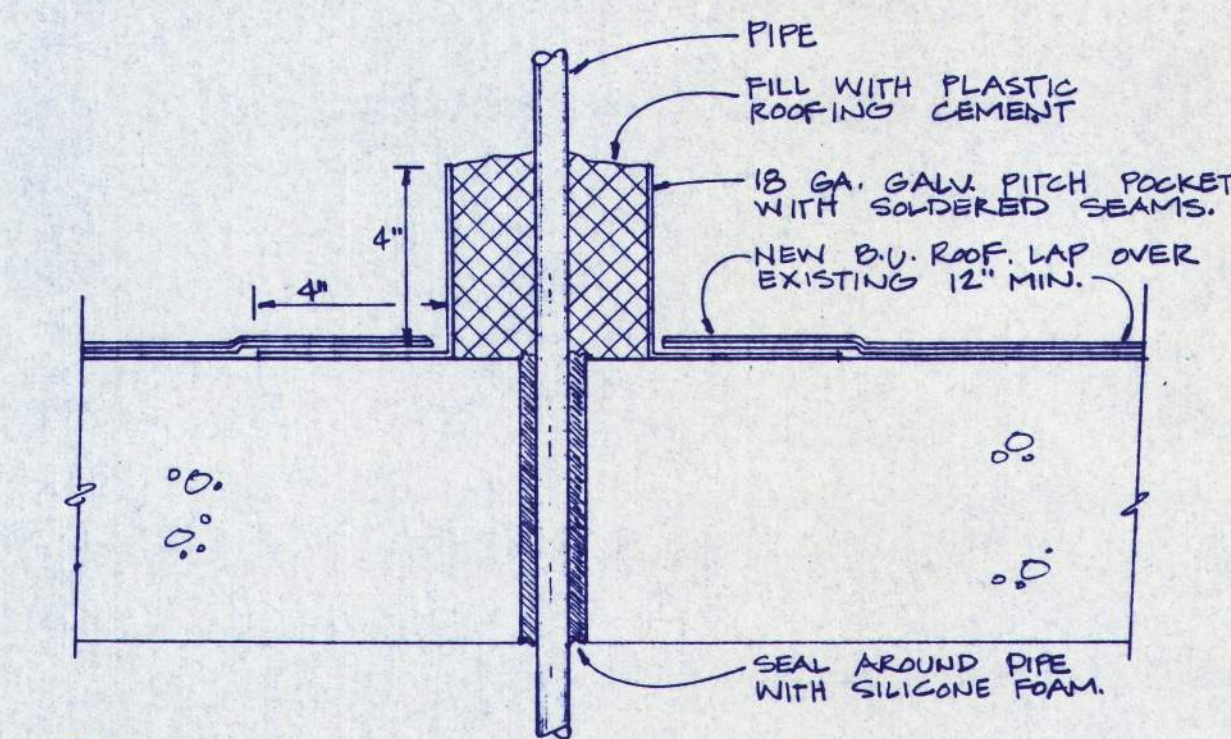
PARTIAL D-1 PLAN - MECHANICAL
1/8" = 1'-0"

SYMBOL	FIXTURE	CONNECTIONS				MPGR.	MODEL	DESCRIPTION & TRIM
		W	V	HN	GN			
P-1	WATER CLOSET	4"	2"	-	1"	AMERICAN STANDARD	2477.016	WALL-MOUNTED WATER SAVING, SIPHON-JET, WITH 1/2" CARTRIDGE, SLOW ROYAL 110-2 FLUSH VALVE, OLDSQUITE 1000 WHITE SEAT.
P-2	LAUNDRY	1 1/4"	1 1/4"	1/2"	1/2"	AMERICAN STANDARD	0873.050	WALL-MOUNTED VITREOUS CHINA CONCEALED ARMS & CENTERS, WITH 1/2" CARTRIDGE, CHICAGO # 812 A, 305, FLUJET, WITH 1/2 GPM AERATOR, CHICAGO # 527 DRAIN.
FD-1	FLOOR DRAIN	2"	-	-	-	JOSAM	30300-S	COATED CAST IRON BODY, BOTTOM OUTLET, SOURCE NIKALOT STRAINER WITH JOSAM # 44 REMOVABLE FUNNEL.
FD-2	FLOOR DRAIN	2"	-	-	-	(SAME AS FD-1, WITHOUT FUNNEL.)		

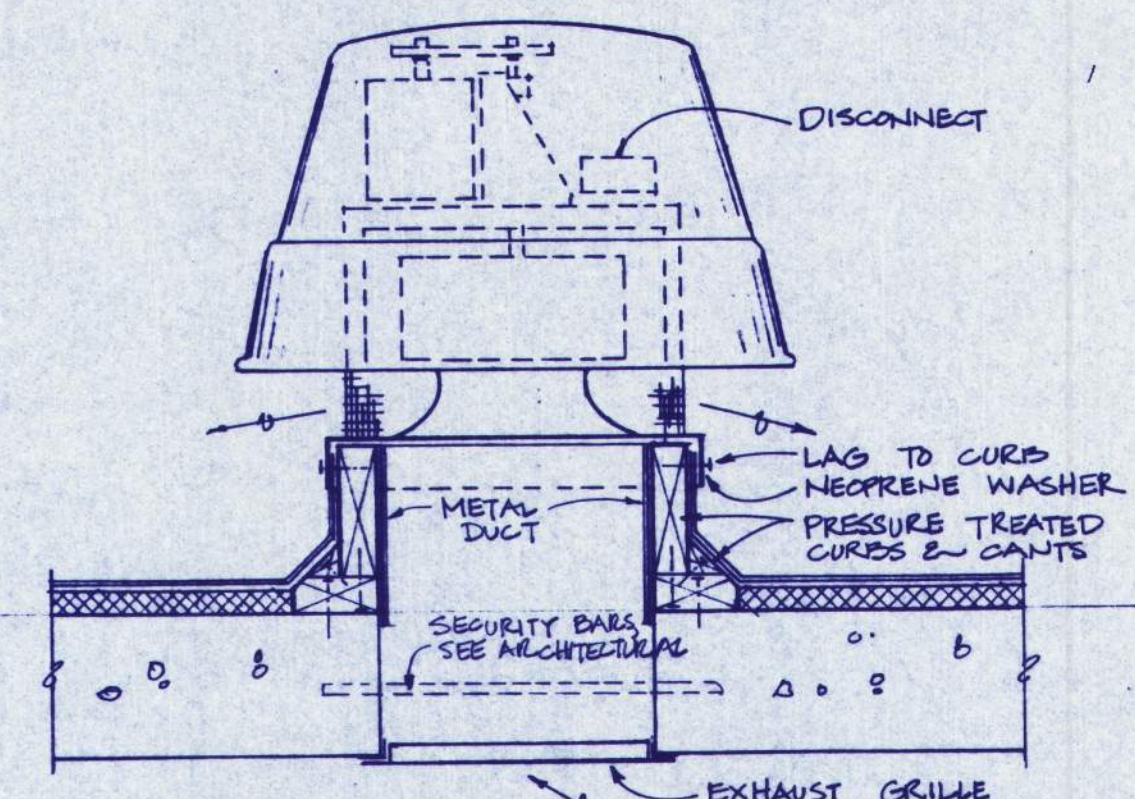
SYMBOLS	
---	COLD WATER PIPE (CW)
---	HOT WATER PIPE (HW)
---	VENT PIPE (V)
---	SANITARY WASTE PIPE (W)
---	EXISTING SANITARY WASTE PIPE
---	REFRIGERANT SUCTION PIPE
---	REFRIGERANT LIQUID PIPE
---	SUPPLY DUCT UP, DUCT DOWN
---	RETURN DUCT UP, DUCT DOWN
---	AUTOMATIC DAMPER, VOLUME DAMPER
---	SUPPLY DIFFUSER CEILING, SUPPLY REGISTER WALL
---	RETURN GRILLE CEILING, RETURN REGISTER WALL
---	AIR VOLUME (CFM), TERMINAL TYPE
---	TRUCK SIZE - DOWN PATTERN
---	THERMOSTAT
---	GATE VALVE, UNION
---	EXHAUST SKILLE CEILING



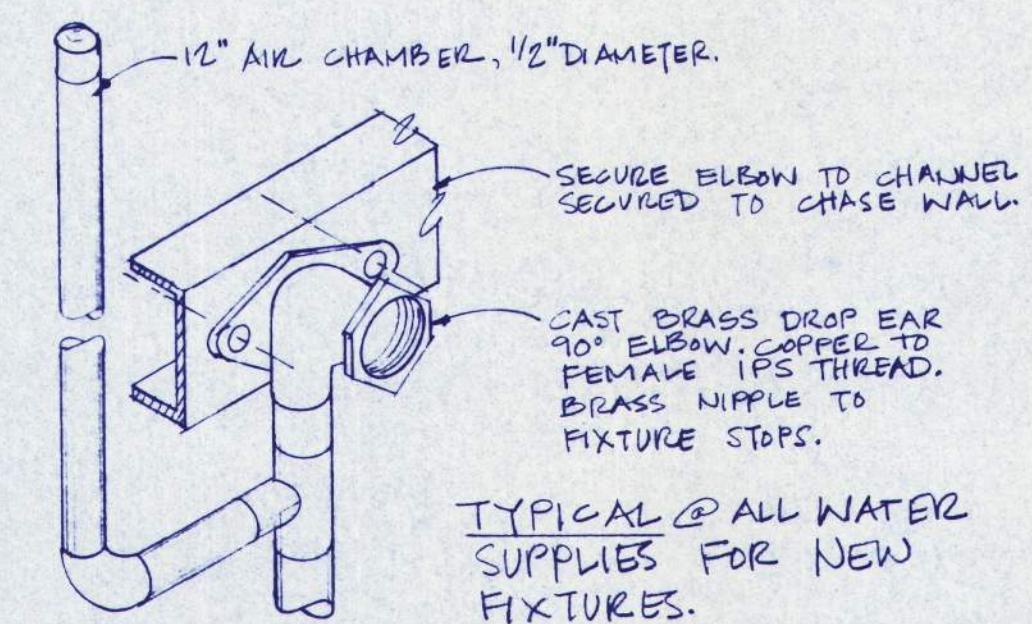
(1) CONDENSING UNIT BASE DETAIL
NOT TO SCALE



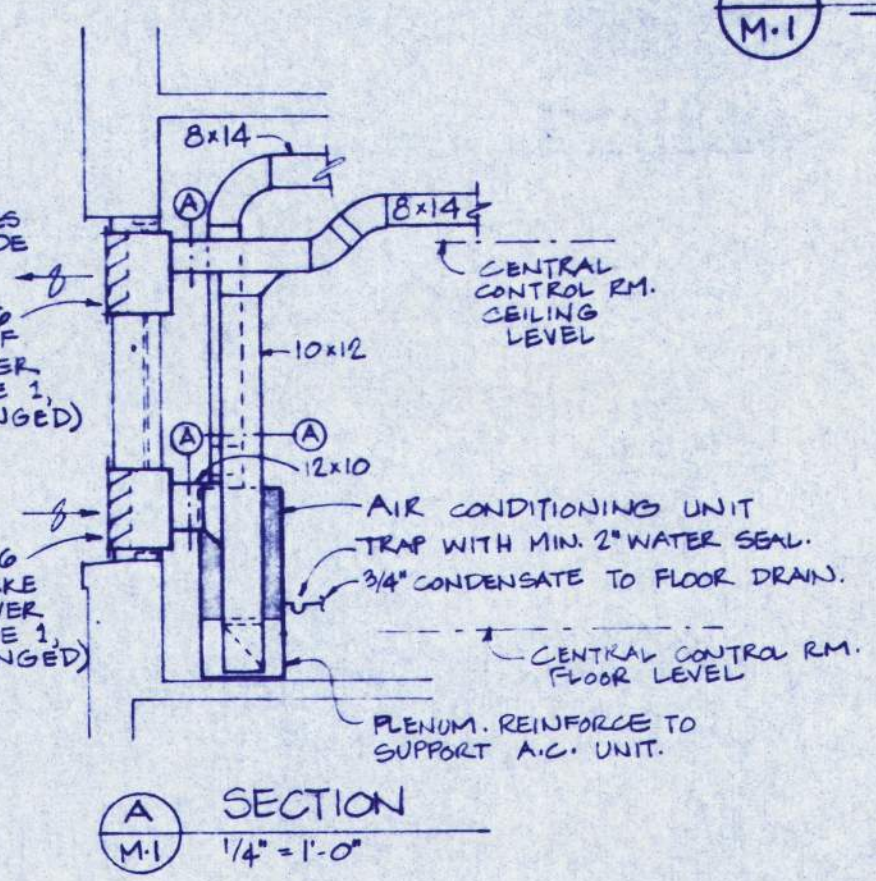
(2) ROOF PENETRATION DETAIL
NOT TO SCALE



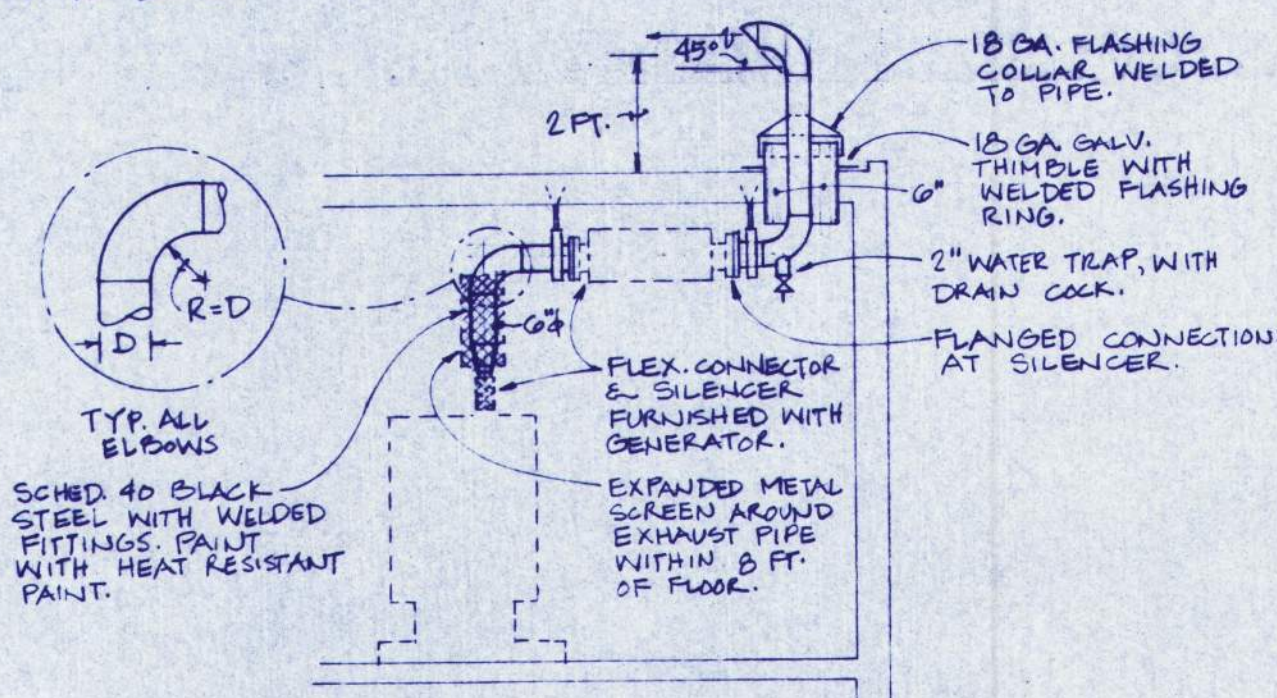
(3) ROOF EXHAUST FAN DETAIL
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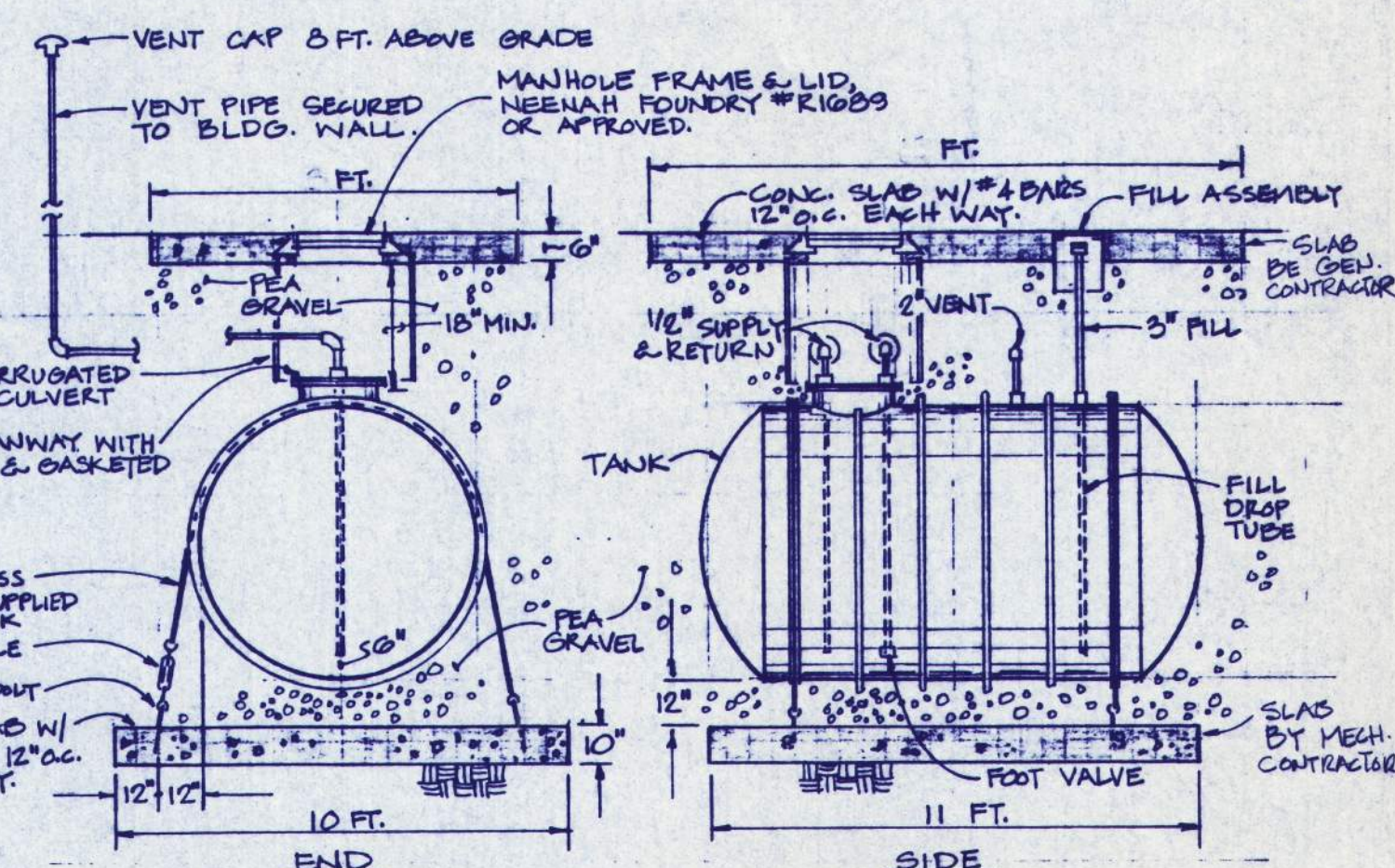
(4) SUPPLY PIPE SUPPORT DETAIL
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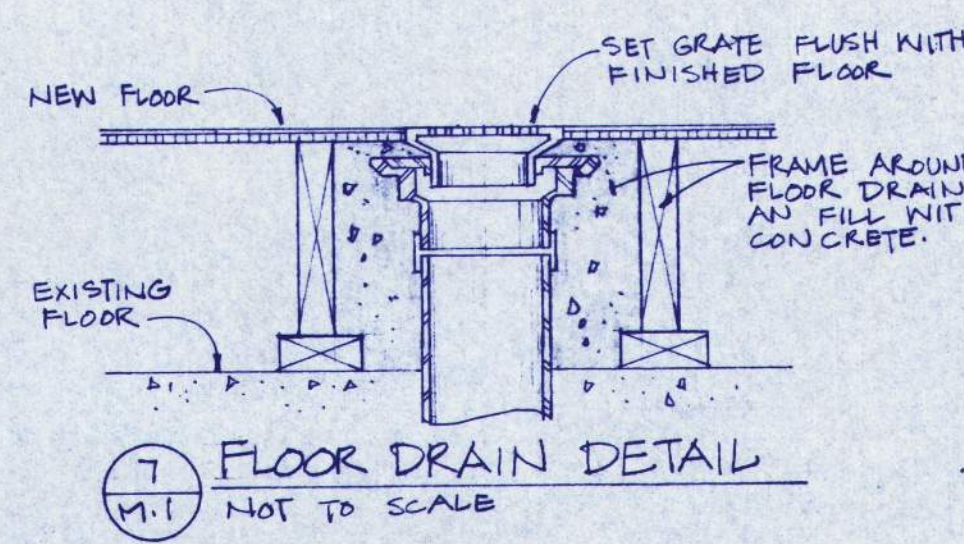
(A) SECTION
1/4" = 1'-0"



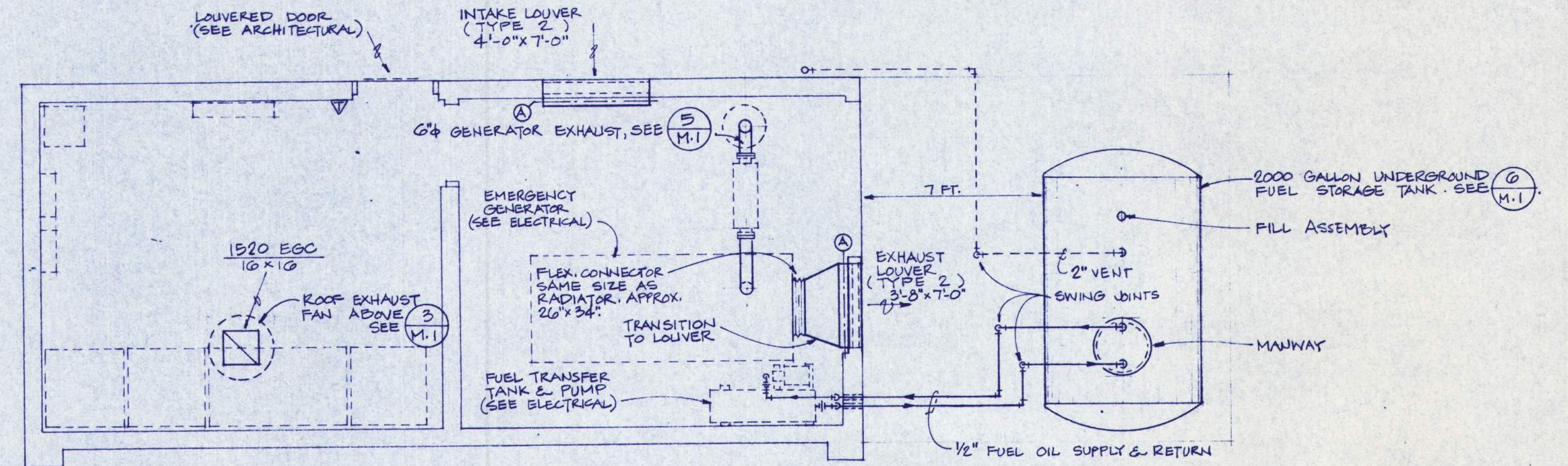
(5) GENERATOR EXHAUST
NOT TO SCALE



(6) UNDERGROUND FUEL STORAGE TANK DETAIL
NOT TO SCALE



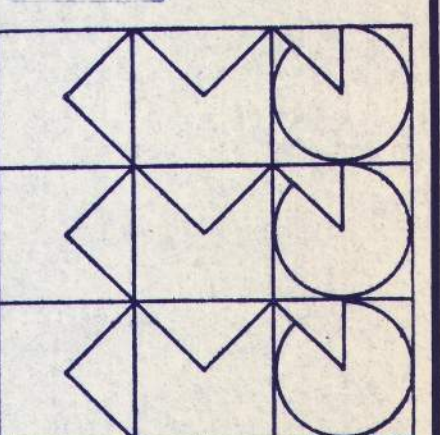
(7) FLOOR DRAIN DETAIL
NOT TO SCALE



EMERGENCY POWER BLDG PLAN - MECHANICAL
1/4" = 1'-0"



EASTERN OREGON CORRECTIONAL INSTITUTION
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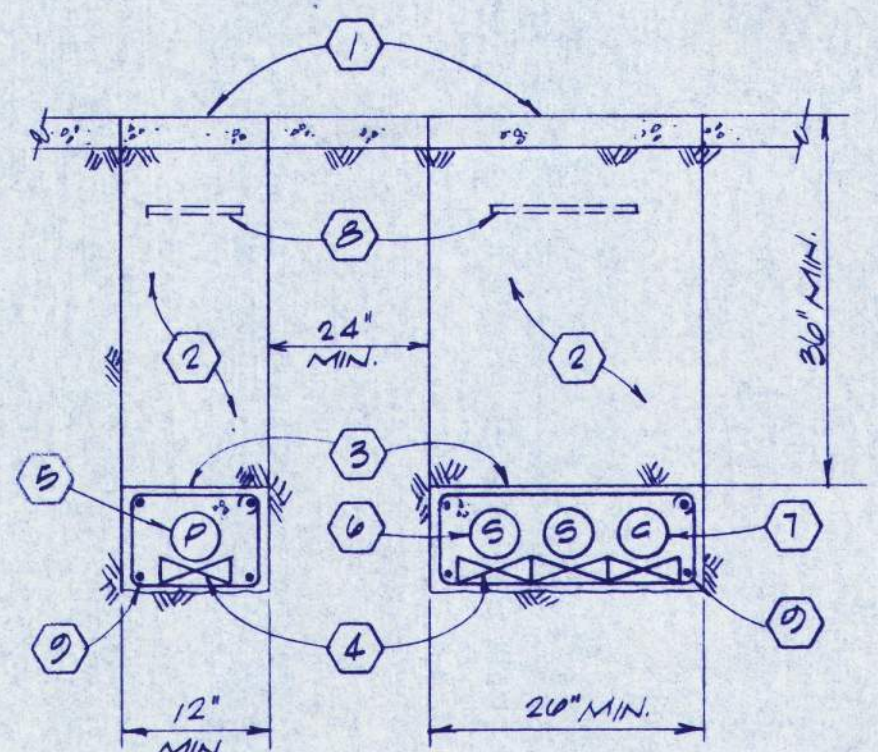
GENERAL NOTES

- A LOCATIONS SHOWN FOR EXISTING AND NEW ELECTRICAL EQUIPMENT ON THE ACCOMPANYING SITE PLANS ARE APPROXIMATE. ALL FINAL LOCATIONS ARE TO BE FIELD VERIFIED AND ADJUSTED AS REQUIRED PRIOR TO ACTUAL INSTALLATION. COORDINATE ALL CONSTRUCTION WITH ARCHITECT AND OTHER TRADES.
- B THE LOCATION OF EXISTING WIRING SYSTEMS SHOWN ON PLANS IS BASED ON OLD PLAN DRAWINGS DATED 1959 AND 1962 AND VISUAL VERIFICATION OF GENERAL LOCATIONS IN THE FIELD. FIELD VERIFY ALL EXISTING CONDITIONS AFFECTING NEW ELECTRICAL WORK PRIOR TO BID DATE.
- C THE WORD "PROVIDE" WHEN USED ALONE ON THESE ELECTRICAL PLANS IS INTENDED TO MEAN THAT THE ELECTRICAL SUBCONTRACTOR IS TO FURNISH AND INSTALL THE RELATED WORK DESCRIBED.
- D ALL (N) SPARE UNDERGROUND DUCT STUBS SHOWN ON SITE PLANS SHALL BE MARKED AT BOTH ENDS WITH DRIVEN PIPE MONUMENT FOR EASY LOCATION.
- E COORDINATE ALL NEW UNDERGROUND INSTALLATIONS WITH ARCHITECT PRIOR TO EXCAVATION. CONSIDERABLE AMOUNT OF UNDERGROUND PIPING EXISTS. LAYOUT ALL KNOWN PIPING RUNS ON EARTH SURFACE WHICH MAY CONFLICT WITH NEW ELECTRICAL EXCAVATION PRIOR TO DIGGING. BE RESPONSIBLE FOR RETURN TO SERVICE OF ALL UNDERGROUND FACILITIES DISTURBED IN EXCAVATION PROCEDURES.
- F REFER TO EOC1 PHASE ONE DRAWINGS FOR SITE INFORMATION WHICH MIGHT HAVE BEARING ON THIS PHASE OF WORK.
- G INTERMEDIATE METALLIC CONDUIT ("IMC") MAY BE USED WHEREVER "GRS" IS CALLED FOR IN DRY LOCATIONS INSIDE BUILDINGS.

ABBREVIATIONS

(COMMON TO ELECTRICAL PLAN SHEETS AND SPECIFICATIONS)

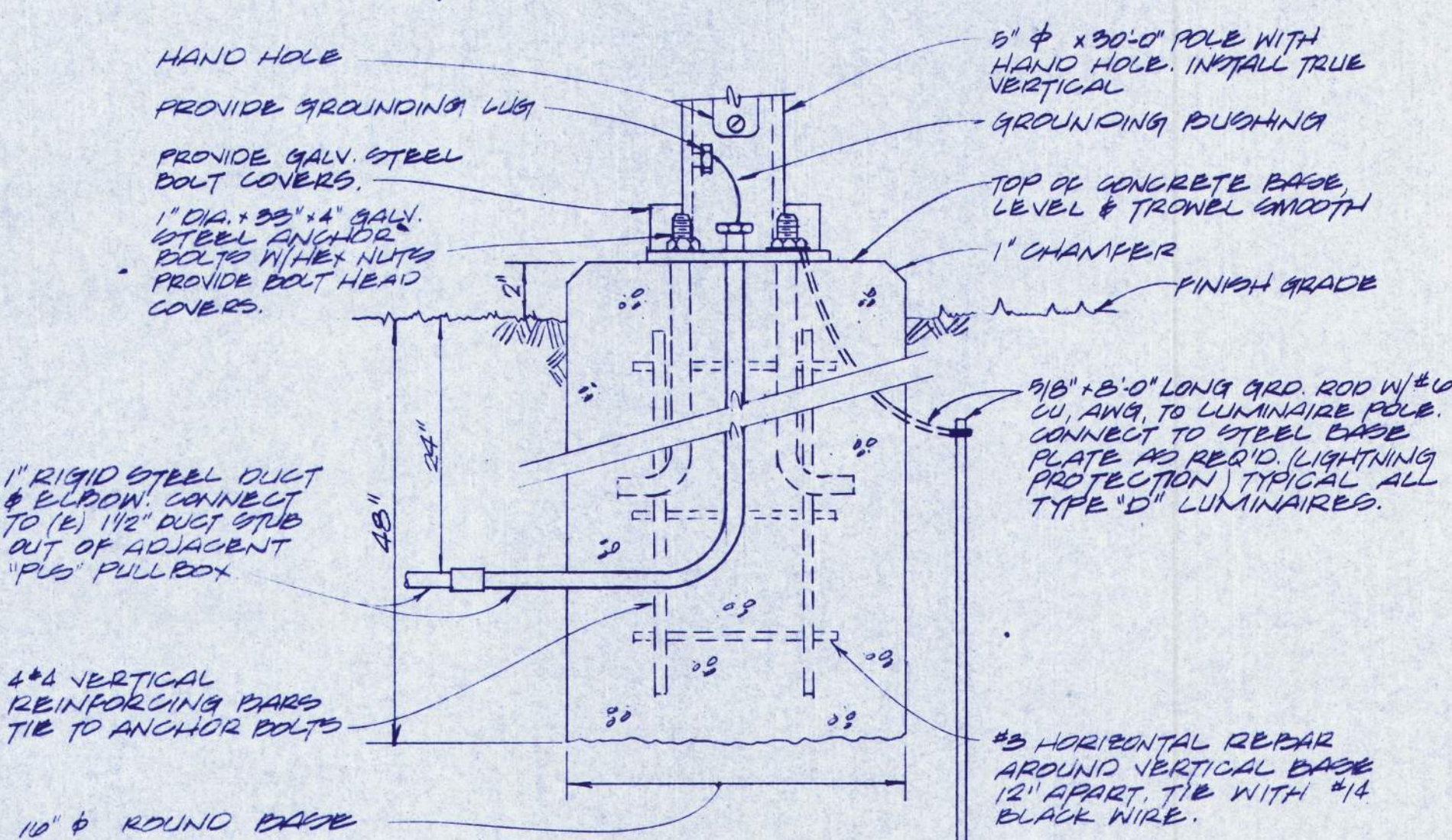
- (E) EXISTING
- (N) NEW
- (U.O.N.) UNLESS OTHERWISE NOTED
- "PRI" PRIOR TO ROUGH IN
- "PLS" PERIMETER LIGHTING SYSTEM
- "EOCI" EASTERN OREGON CORRECTIONAL INSTITUTE
- "AFF" ABOVE FINISHED FLOOR
- "CCR" CENTRAL CONTROL ROOM
- "CCER" CENTRAL CONTROL EQUIPMENT ROOM
- "CER" COMMUNICATIONS EQUIPMENT ROOM
- "GRS" GALVANIZED RIGID STEEL
- "GRD" EQUIPMENT GROUNDING CONDUCTOR
- "IMC" INTERMEDIATE METALLIC CONDUIT
- "SLRC" SECURITY LIGHTING RELAY CABINET



TRENCH SECTION A-E1
NO SCALE

TRENCH SECTION NOTES

- 1 SEE SPECIFICATIONS FOR TRENCH AND BACKFILL REQUIREMENTS. RETURN SURFACE TO EXISTING CONDITION.
- 2 BACKFILL WITH ORIGINAL NATIVE SOIL.
- 3 PROVIDE 3" CONCRETE TOP COVER AND 3" SIDE COVER FOR DUCTS, TYPICAL.
- 4 USE PLASTIC DUCT SPACERS TO ALLOW 2" SPACING BETWEEN DUCT RUNS. SEE SPECIFICATIONS. LOCATE SPACERS ON 5 FOOT CENTERS THROUGHOUT RUN.
- 5 "P" INDICATES DUCT FOR PRIMARY SERVICE.
- 6 "S" INDICATES DUCT FOR SECONDARY SERVICE.
- 7 "C" INDICATES DUCT FOR COMMUNICATIONS SERVICE.
- 8 LAY IN PLASTIC INDICATOR STRIP, 12" BELOW GRADE. SEE SPECIFICATIONS.
- 9 PROVIDE #5 REBAR AT FOUR CORNERS OF ENCASEMENT SYSTEM. RUN FULL LENGTH OF DUCT RUN ELBOWING INTO "EPB" FLOOR. TIE WRAP LONGITUDINAL BARS USING #4 TIES ON 5 FOOT CENTERS.



FIXTURE TYPE 'D' BASE DETAIL B-E1
NO SCALE

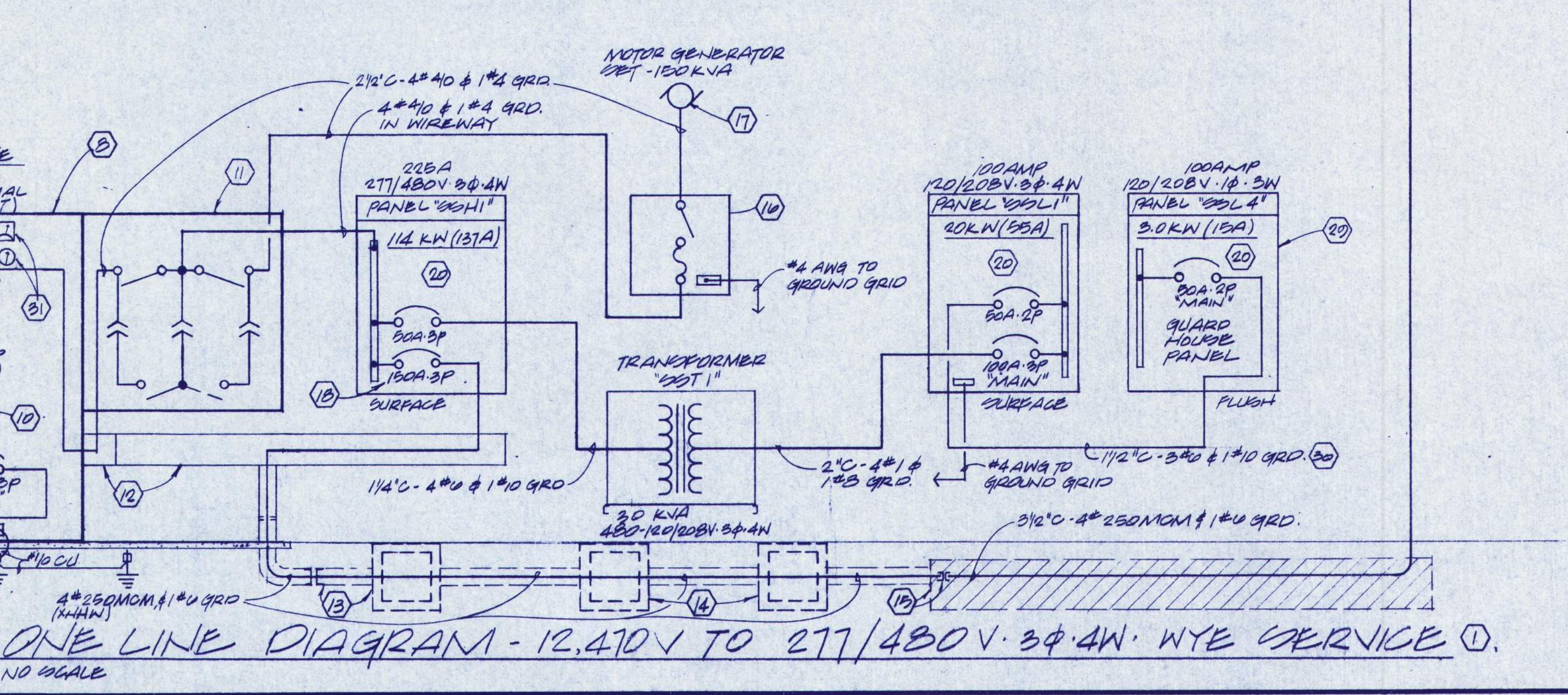
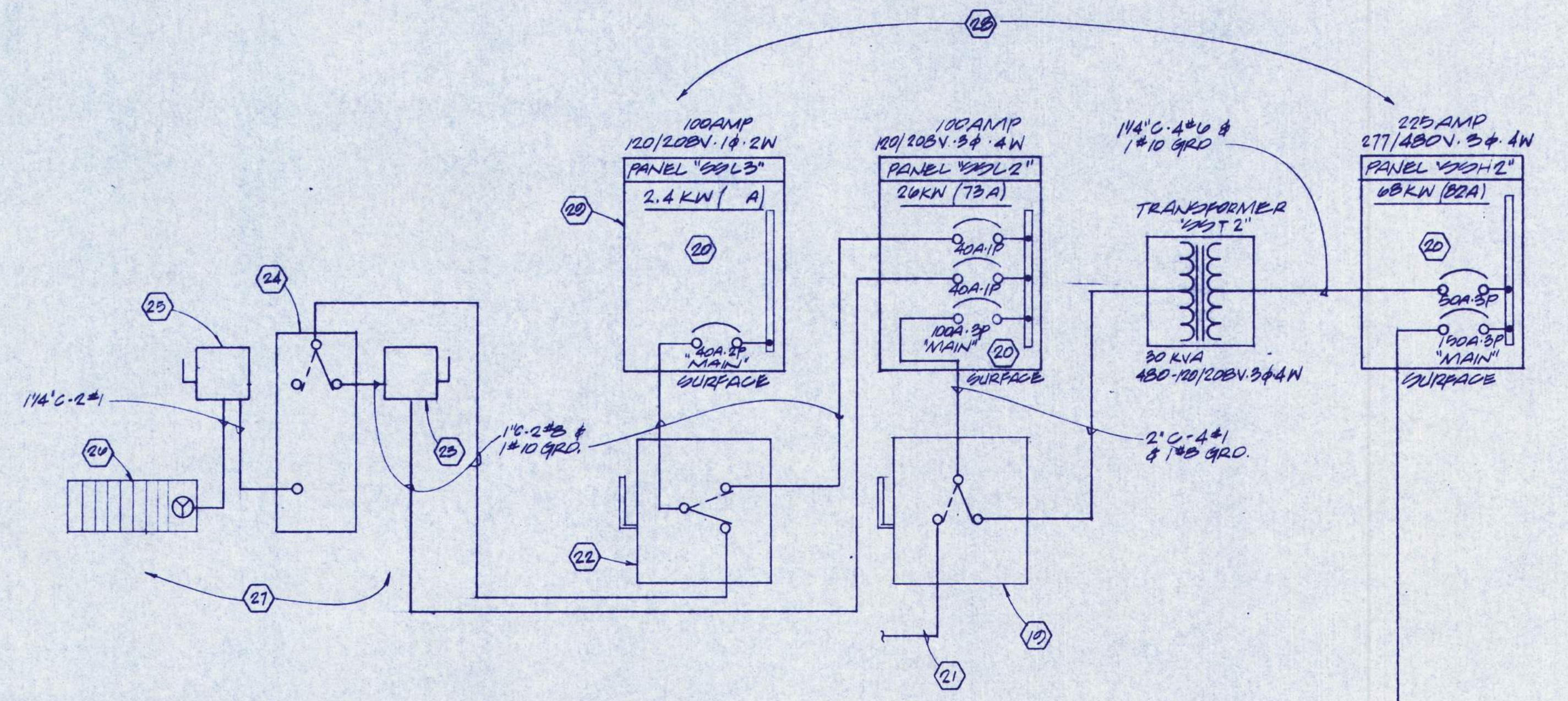
ELECTRICAL SYMBOLS

- APPROXIMATE LOCATION (N) "PLS" SYSTEM 30 FOOT LIGHTING STANDARD WITH LUMINAIRES AND CONCRETE POLE BASE.
- NEW HI-MAST TYPE STANDARD (100 FT) WITH (8) 1000 WATT H.I.D. LUMINAIRES, CODE LETTER SHOWN.
- PERIMETER LIGHTING SYSTEM ("PLS") PULLBOX FOR LIGHTING, POWER, AND CONTROL CIRCUITS WITH "1-1/2" DUCT STUBBED THRU INNER FENCE FOUNDATION FOOTING WHERE SHOWN. INSTALL BRANCH CIRCUIT CONDUCTORS, SIZE AS SHOWN.
- UNDERGROUND PULLBOX FOR SECONDARY SERVICE AND/OR COMMUNICATIONS CIRCUITS. (EXISTING)
- CONDUIT OR DUCT STUBBED UP POLE OR INTO ROOM FROM UNDERGROUND RUN.
- UNDERGROUND CONDUIT OR DUCT STUB.
- PLAN NOTE. SEE DESCRIPTION ON APPLICABLE DRAWING.
- UNDERGROUND SECONDARY SERVICE AND COMMUNICATIONS DUCTS INSTALLED UNDER PHASE I. INSTALL (N) CONDUCTORS, SIZE AS SHOWN.
- LIGHTNING PROTECTION GROUNDING ELECTRODE
- JUNCTION BOX, WEATHERPROOF.
- DUPLEX RECEPTACLE IN CAST WEATHERPROOF HOUSING. INSTALL IN WALL WHERE SHOWN UP 24" ABOVE GRADE. P.S. NO. 6300-GY IN NO. 4600 FLUSH ENCLOSURE WITH LOCKING COVER AND NO. 4609 KEYS.
- NEW WIRING UNDERGROUND SHOWING NUMBER OF #12 CONDUCTORS IN 1" DUCT MINIMUM OF SIZES AS OTHERWISE SHOWN. (ON SITE PLANS)
- SAME AS ABOVE, EXCEPT #10 CONDUCTORS.
- NO. 12 AWG GROUND CONDUCTOR.
- HOMERUN TO PANEL.
- DETAIL AND SHEET NUMBER.
- INDICATES EXISTING DEVICE TO REMAIN.
- INDICATES EXISTING DEVICE TO BE REMOVED.
- INDICATES EXISTING DEVICE TO BE RELOCATED.
- INDICATES NEW LOCATION OF EXISTING DEVICE.
- FLUORESCENT FIXTURE, CODE LETTER SHOWN.
- EXISTING FLUORESCENT FIXTURE.
- LIGHT OUTLET, BRACKET, CODE LETTER SHOWN.
- SWITCH, SINGLE POLE, LOCAL LIGHTING CIRCUIT "A".
- SWITCH, THREE WAY.
- DIMMER.
- 15 AMP - 125 V, DUPLEX RECEPTACLE, GROUNDING TYPE.
- 15 AMP - 125 V, DOUBLE DUPLEX RECEPTACLE, GROUNDING TYPE.
- JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT.
- DISCONNECT SWITCH.
- MOTOR OUTLET.
- BRANCH PANEL.
- EMPTY CONDUIT, SIZE AS SHOWN.
- WIRING IN, OR ON, CEILING OR WALLS. (ON FLOOR PLANS)
- WIRING RUN IN OR UNDER FLOOR. (ON FLOOR PLANS)
- NUMBER OF CONDUCTORS IN CONDUIT, THREE SHOWN, #12 UNLESS OTHERWISE SHOWN.
- HOME RUN TO PANEL.
- CONDUIT UP - CONDUIT DOWN.
- EXISTING WIRING.
- PLUG STRIP, SURFACE RUN WITH SINGLE OUTLETS ON 18" CENTERS.
- ELECTRIC BASEBOARD HEATER, WATTAGE SHOWN.
- TELEPHONE OUTLET. 4" X 4" BOX WITH COVER.
- SECURITY SYSTEM CCTV CAMERA - W.P. DENOTES IN HEATED WEATHERPROOF ENCLOSURE.
- INTERLOCK. DOORS SO SHOWN PAIRED NOT TO UNLOCK SIMULTANEOUSLY.
- DOOR STATUS SWITCH. DOOR CONTROL SYSTEM SWITCH BY GEN'L CONTRACTOR. WIRING BY ELECTRICAL CONTRACTOR.
- ELECTRIC DOOR CONTROL. DOOR CONTROL SYSTEM. CONTROL EQUIPMENT BY GEN'L CONTRACTOR. WIRING BY ELECTRICAL CONTRACTOR.
- INTERCOM STATION, DOOR CONTROL SYSTEM.
- INTERCOM PUSHBUTTON CALL SWITCH BUILT INTO INTERCOM SPEAKER ENCLOSURE.
- FIRE ALARM SYSTEM SMOKE DETECTOR, AREA TYPE.
- FIRE ALARM SYSTEM IONIZATION DETECTOR, AREA TYPE.
- SURFACE DUCT WITH DUAL WIRING CHANNELS - ONE FOR POWER, ONE FOR COMMUNICATIONS.
- CLOCK HANGER OUTLET.
- DUPLEX RECEPTACLE, GROUND FAULT TYPE.
- ROOM NUMBER
- DOOR TRAVEL LIMIT SWITCH BY GENERAL CONTRACTOR. WIRING BY ELECTRICAL CONTRACTOR.
- HANDS FREE INTERCOM MICROPHONE AND CALL PUSHBUTTON.
- HANDS FREE INTERCOM SPEAKER.
- DOOR CONTROLLER CORRECTION.

ONE LINE DIAGRAM NOTES

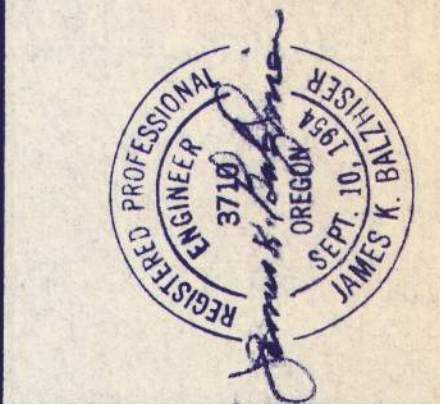
- 1 SEE SITE PLAN, SHEET E-2, FOR APPROXIMATE LOCATION OF MAJOR MAIN SERVICE COMPONENTS SHOWN IN THIS DIAGRAM.
- 2 CABINET CONTAINS MAIN SWITCH AND 3 FUSIBLE TAP SECTIONS. USE ONE OF TWO SPARE SECTIONS FOR (N) UNDERGROUND PRIMARY EXTENSION TO (N) EMERGENCY POWER BUILDING ("EPB").
- 3 PROVIDE THREE (N) FUSES, "E" RATED, S & C, TYPE SM-20.
- 4 EXTEND (E) 4" DUCT STUBOUT TO NEW UNIT SUBSTATION NO. 1. USE 3" PVC WITH CONDUCTORS AS SHOWN. CONCRETE ENCASE DUCT WITH MINIMUM 6" SURROUND. SEE DETAIL A/E-1, ABOVE.
- 5 PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD FROM EAST TO WEST WALL BELOW UNIT SUBSTATION. CHAMFER FRONT EDGE.
- 6 HI VOLT INTERRUPT FUSIBLE SWITCH SECTION, 600 AMP. SEE SPECIFICATIONS.
- 6A PROVIDE (6) 50 AMP "E" RATED FUSES (VERIFY SPECIFIC TYPE WITH SUBSTATION MANUFACTURER). INSTALL THREE; STORE THREE IN SPARE FUSE CABINET.
- 7 TRANSFORMER SECTION, 300 KVA. SEE SPECIFICATIONS.
- 8 LOW VOLTAGE SECTION IN FRONT OF TRANSFORMER SECTION, 600 AMP BUSSED.
- 9 PROVIDE GROUND AS SHOWN HERE AND ON PLAN, SHEET E-6. VERIFY SUBSTATION GROUNDING REQUIREMENTS WITH MANUFACTURER.
- 10 PROVIDE SPACE AND BUSSING FOR (2) FUTURE 225A-3P AND (1) 400A-3P BREAKERS.
- 11 (N) ENCLOSED AUTOMATIC TRANSFER AND BYPASS ISOLATION SWITCH; SURFACE MOUNT ON WALL. SEE SPECIFICATIONS.
- 12 PROVIDE 6" W X 12" HIGH WIREWAY SURFACE ON WALL AND SIDE OF "US-1". USE FOR FEEDER CONDUCTORS AS REQUIRED.
- 13 SECONDARY VAULT NEAR PERIMETER FENCE AND ENCASED 4" DUCT SYSTEM TO "EPB". SEE SITE PLAN. PULL IN (N) CONDUCTORS, SIZE AS SHOWN.
- 14 (E) SECONDARY CABLE VAULTS INSIDE PERIMETER FENCE. USE TO PULL (N) FEEDER CONDUCTORS TO (E) STEAM TUNNEL.
- 15 (E) STEAM TUNNEL. CONNECT (N) DUCT, SIZE AS SHOWN, TO (E) DUCT STUB. EXTEND (N) FEEDER THRU TUNNEL VIA PULLBOXES TO (N) PANEL "SSH2". SEE SITE PLAN.
- 16 PROVIDE 225A-3P FUSIBLE DISCONNECT WITH 225 AMP TIME DELAY FUSES FOR GENERATOR FEEDER PROTECTION. INSTALL IN ADJACENT GENERATOR ROOM. SEE PLAN, THIS SHEET.
- 17 SEE SPECIFICATIONS AND "EPB" PLAN, SHEET E-6.
- 18 THIS BREAKER MUST BE LUG SIZED TO ACCOMMODATE NO. 250 MCM CONDUCTORS.
- 19 PROVIDE DOUBLE THROW MANUAL TRANSFER SWITCH 100 AMP, 3 POLE WITH SOLID NEUTRAL AND GROUND KIT. INSTALL BELOW PANEL. LABEL "POWER EMERGENCY TRANSFER".
- 20 SEE PANEL SCHEDULE SHEET E-6 FOR ADDITIONAL CIRCUIT BREAKERS IN PANEL.
- 21 FUTURE CONNECTION TO AUXILIARY POWER SOURCE AT FIRST FLOOR UNIT "D".
- 22 SAME AS NOTE 19, EXCEPT 60A-2P MANUAL TRANSFER SWITCH. LABEL "COMMUNICATIONS - EMERGENCY TRANSFER".
- 23 "UPS" INPUT AC DISCONNECT; LABEL "UPS-AC INPUT". SEE PLAN NOTE, SHEET E-3.

- 24 "UPS" UNIT. SEE SPECIFICATIONS AND SHEET E-3.
- 25 "UPS" DC INPUT DISCONNECT. SEE SHEET E-3. LABEL "UPS-DC INPUT".
- 26 "UPS" BATTERY PACK.
- 27 ALL EQUIPMENT LOCATED IN COMMUNICATIONS EQUIPMENT ROOM ("CER"), UNIT "D1".
- 28 ALL EQUIPMENT LOCATED IN CENTRAL CONTROL EQUIPMENT ROOM ("CCER"), UNIT "D2".
- 29 LOAD CENTER TYPE PANEL.
- 30 RUN THIS FEEDER TO GUARD HOUSE VIA UNDERGROUND DUCT SYSTEM.
- 31 PROVIDE AMMETER, VOLTMETER AND PHASE SELECTOR SWITCHES MOUNTED SEMI-FLUSH ON THE HINGED DOOR OF METERING COMPARTMENT. MAKE CURRENT AND POTENTIAL TRANSFORMERS ACCESSIBLE FOR SERVICE.



EOCI LOAD SCHEDULE

LOAD	KILOWATTS	AMPERES @ 12470 VOLTS
PREVIOUS HIGH DEMAND (AUGUST 1983)	846	40
LOAD LOSS DUE TO ACUTE TREATMENT BUILDING DISCONNECT	UNKNOWN	UNKNOWN
ADDED CONNECTED LOAD FROM PHASE ONE WORK	0	0
ADDED CONNECTED LOAD FROM THIS WORK (PHASE TWO)	98	5
TOTAL LOAD DEMAND PLUS ADDITIONS TO DATE	944 KW	45 AMPS

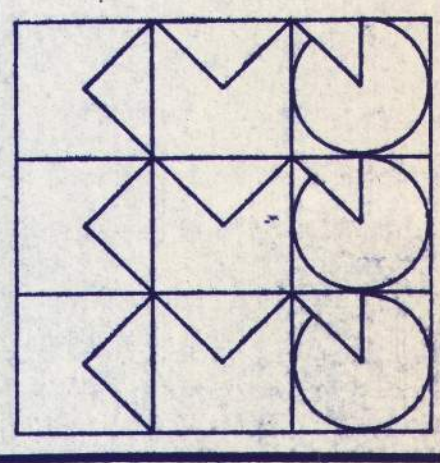


EASTERN OREGON CORRECTIONAL INSTITUTION
PENULTON, OREGON

PHASE 2

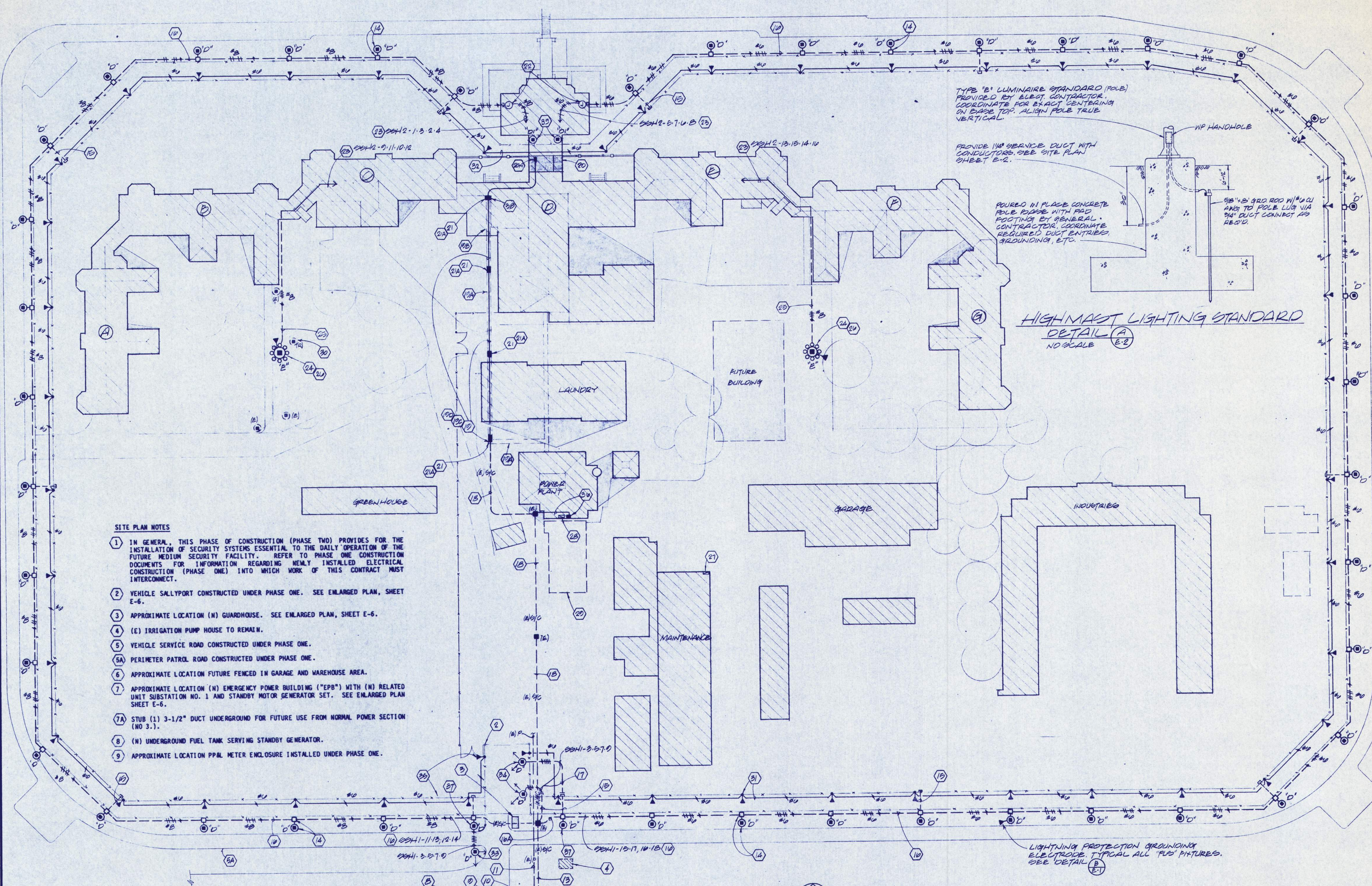
WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION

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E-1



SITE PLAN NOTES

- 1 IN GENERAL, THIS PHASE OF CONSTRUCTION (PHASE TWO) PROVIDES FOR THE INSTALLATION OF SECURITY SYSTEMS ESSENTIAL TO THE DAILY OPERATION OF THE FUTURE MEDIUM SECURITY FACILITY. REFER TO PHASE ONE CONSTRUCTION DOCUMENTS FOR INFORMATION REGARDING NEWLY INSTALLED ELECTRICAL CONSTRUCTION (PHASE ONE) INTO WHICH WORK OF THIS CONTRACT MUST INTERCONNECT.
- 2 VEHICLE SALLYPORT CONSTRUCTED UNDER PHASE ONE. SEE ENLARGED PLAN, SHEET E-6.
- 3 APPROXIMATE LOCATION (N) GUARDHOUSE. SEE ENLARGED PLAN, SHEET E-6.
- 4 (E) IRRIGATION PUMP HOUSE TO REMAIN.
- 5 VEHICLE SERVICE ROAD CONSTRUCTED UNDER PHASE ONE.
- 5A PERIMETER PATROL ROAD CONSTRUCTED UNDER PHASE ONE.
- 6 APPROXIMATE LOCATION FUTURE FENCED IN GARAGE AND WAREHOUSE AREA.
- 7 APPROXIMATE LOCATION (N) EMERGENCY POWER BUILDING ("EPB") WITH (N) RELATED UNIT SUBSTATION NO. 1 AND STANDBY MOTOR GENERATOR SET. SEE ENLARGED PLAN SHEET E-6.
- 7A STUB (1) 3-1/2" DUCT UNDERGROUND FOR FUTURE USE FROM NORMAL POWER SECTION (NO 3).
- 8 (N) UNDERGROUND FUEL TANK SERVING STANDBY GENERATOR.
- 9 APPROXIMATE LOCATION PPM METER ENCLOSURE INSTALLED UNDER PHASE ONE.

- 10 APPROXIMATE LOCATION PRIMARY SWITCH CABINET ("PSC") INSTALLED UNDER PHASE ONE.
- 11 (E) UNDERGROUND PRIMARY SERVICE DUCT SYSTEM INSTALLED UNDER PHASE ONE.
- 12 (E) 4" UNDERGROUND DUCT STUBBED THRU VAULT WALL. EXTEND TO (N) UNIT SUBSTATION NO. 1. SEE ONE LINE DIAGRAM FOR REQUIRED WORK, THIS PHASE. CONCRETE ENCASE FULL DISTANCE TO "EPB". SEE TRENCH DETAIL, SHEET E-1.
- 13 (E) 4-4" UNDERGROUND SPARE DUCTS STUBBED TO APPROXIMATE LOCATION SHOWN. UTILIZE THREE DUCTS FOR (N) CONDUCTORS AS SHOWN ON PLANS AND ONE LINE DIAGRAM, I.E., ONE FOR (N) SECONDARY FEEDER, ONE FOR SMALLER BRANCH CIRCUITS AND CONTROL WIRING, ONE FOR COMMUNICATIONS WIRING.
- 13A EXTEND 3 OF 4-4" DUCTS UNDERGROUND TO "EPB". LEAVE ONE DUCT IN PLACE FOR FUTURE USE. MARK WITH DRIVEN MONUMENT. STUB ONE DUCT UP TO (N) WIREWAY. SEE PLAN SHEET E-6 AND ONE LINE DIAGRAM. CONTINUE OTHER TWO DUCTS TO WEST SIDE OF ROOM. CONCRETE ENCASE FULL DISTANCE TO "EPB". SEE TRENCH DETAIL, SHEET E-1.
- 14 UNDERGROUND DUCT SYSTEM FOR PERIMETER LIGHTING SYSTEM ("PLS") INSTALLED UNDER PHASE ONE. SYSTEM CONSISTS OF PULLBOXES ON 100 FT CENTERS WITH (2) 3" PVC DUCTS BETWEEN. PROVIDE RELATED TYPE "D" LUMINAIRES UNDER THIS WORK, TYPICAL WHERE SHOWN. SEE BASE DETAIL, SHEET E-1.
- 15 TYPICAL (E) UNDERGROUND 1-1/2" DUCT STUBBED BENEATH PERIMETER FENCE SYSTEM. USE FOR NEW WIRING WHERE SHOWN.
- 16 INSTALL (N) CIRCUITS IN ONE OF THE (E) 3" DUCTS (DUCT CLOSEST TO ROAD). CONNECT ALL (N) TYPE "D" LUMINAIRES USING PAIR OF (2) #12 CONDUCTORS, EACH CONNECTED TO SEPARATE 400 WATT LAMP BALLASTS. TAP FROM LARGER (#6/#8) CONDUCTORS AS REQUIRED. CONNECT EVEN CIRCUIT NUMBERS TO SAME LUMINAIRE HEAD AT EACH LIGHTING STANDARD, ODD CIRCUIT NUMBERS TO OTHER HEAD.
- 16A SAME AS NOTE 16, EXCEPT (E) DUCTS ARE 4" SIZE.
- 17 EXTEND (E) 1-1/2" DUCT TO NEW LUMINAIRE "D". SEE SHEET E-6 FOR NUMBER OF (N) CIRCUITS INVOLVED.

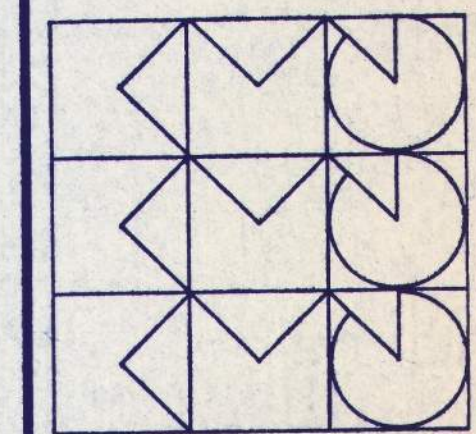
- 18 (E) 5-4" EMPTY UNDERGROUND DUCTS FOR USE THIS PHASE AND FUTURE CONSTRUCTION. UTILIZE ONE DUCT FOR (N) FEEDER BETWEEN (N) PANEL "SSH2" (IN "EPB") AND (N) PANEL "SSH2" (IN "CCER"). UTILIZE ANOTHER DUCT FOR (N) COMMUNICATIONS CIRCUITS. UTILIZE A THIRD DUCT FOR POWER BRANCH CIRCUITS AND CONTROL WIRING.
- 19 TRANSITION FROM (E) 4" DUCT TO (N) 3-1/2" DUCT AND CONTINUE FEEDER RUN VIA PULLBOXES SHOWN THRU (E) STEAM TUNNEL TO (N) PANEL "SSH2" AS REQUIRED. USE "GRS"; SECURE TO WALL AS FAR FROM STEAM LINES AS POSSIBLE - EAST SIDE OF TUNNEL.
- 19A (E) STEAM PIPE TUNNEL, APPROXIMATELY 48" WIDE X 60" HIGH.
- 19B STEAM TUNNEL CONTINUES NORTH BENEATH (E) CHILLER ROOM AND TERMINATES AT BASEMENT CORRIDOR (SOUTH WALL). RUN (N) FEEDER UP OUT OF TUNNEL AND INTO FIRST FLOOR CORRIDOR (AT CEILING). SEE FLOOR PLAN, SHEET E-3 FOR PROPOSED ROUTE AND PULLBOXES INVOLVED.
- 19C TRANSITION FROM SECOND 4" DUCT TO (N) 3" SIZE DUCT AND EXTEND THRU TUNNEL SYSTEM VIA J-BOXES TO "CCER" FOR COMMUNICATIONS WIRING. USE "GRS" DUCT.

- 19D TRANSITION FROM THIRD 4" DUCT TO (N) 2-1/2" SIZE DUCT AND EXTEND THRU TUNNEL SYSTEM VIA J-BOXES TO "CCER" FOR CONTROL AND BRANCH CIRCUIT WIRING. USE "GRS" DUCT.
- 20 APPROXIMATE LOCATION (N) CENTRAL CONTROL ROOM ("CCR") AT SECOND FLOOR, UNIT "D". SEE CONTROL ROOM PLAN, SHEET E-5.
- 20A APPROXIMATE LOCATION (N) PANEL "SSH2" IN "CCER".
- 21 PROVIDE 36" X 24" X 12" DEEP HEAVY DUTY (12 GAUGE) GASKETED (NO KNOCKOUTS) PULLBOX, WITH TAMPER PROOF SCREW, COVER EQUAL TO HOFFMAN #A362410GSC FOR (N) FEEDER SYSTEM.
- 21A PROVIDE 16" X 12" X 6" DEEP HEAVY DUTY (12 GAUGE) GASKETED J-BOX WITH TAMPER PROOF SCREW COVER EQUAL TO HOFFMAN #A-16126GSC ADJACENT TO TUNNEL FEEDER SYSTEM J-BOXES FOR (N) AND FUTURE COMMUNICATIONS, CONTROL, AND BRANCH CIRCUITS. PROVIDE ONE BOX FOR 2-1/2" DUCT RUN, ANOTHER FOR 3-1/2" DUCT RUN.
- 22 PROVIDE 16" X 12" X 6" D HEAVY DUTY J-BOX WITH TAMPER PROOF SCREW COVER SURFACE ON WALL AT (E) DUCT PENETRATION THRU WALL. CONNECT DUCTS THRU BACK OF BOX. LABEL "PERIMETER LIGHTS".
- 23 HOMERUN (N) LIGHTING CIRCUITS TO PANEL "SSH2" IN 1-1/4" GRS DUCTS INSIDE BUILDING AND WITHIN HIMAST POLE BASE.
- 24 CONNECT EVERY OTHER HIMAST LUMINAIRE TO EVEN NUMBERED CIRCUITS, OTHER IN-BETWEEN LUMINAIRES TO ODD NUMBERED CIRCUITS.
- 25 INSTALL DUCT LINE 36" MINIMUM BELOW GRADE.
- 26 HIMAST CONCRETE POLE BASE PROVIDED BY GENERAL CONTRACTOR. FURNISH BASE TEMPLATE AND ANCHOR BOLTS TO SAME. COORDINATE ALL ELECTRICAL WORK. SEE DETAIL THIS SHEET FOR LIGHTNING PROTECTION.
- 27 APPROXIMATE LOCATION (E) HONEYWELL DELTA 1000 CENTRAL PROCESSING UNIT ("CPU") IN ENGINEERS OFFICE. RELOCATE TO "CCER". SEE PLAN, SHEET 5.
- 28 APPROXIMATE LOCATION DELTA 1000 DATA GATHERING PANEL ("DGP-1200") AND REMOTE FIVE DIGIT CODE PRINTER TO REMAIN. CONNECT "EPB" FIRE DETECTORS.

- 29 (E) BUILDING TO BE REMOVED, TYPICAL WHERE SHOWN WITH BROKEN LINE. NO ELECTRICAL WORK REQUIRED, THIS PHASE.
- 30 REMOVE (E) POLE MOUNTED LIGHT FIXTURE, AND CONCRETE BASE. MAINTAIN ACTIVE CIRCUIT TO ADJACENT SIMILAR POLE MOUNTED LIGHT FIXTURES.
- 31 PROVIDE PERIMETER FENCE GROUNDING SYSTEM. PROVIDE 5/8" X 10 FOOT LONG GROUND ROD ON 100 FOOT CENTERS WHERE SHOWN. DRIVE ROD TO #12" ABOVE GRADE. PROVIDE NO. 6 GALV. WIRE ON FENCE FULL DISTANCE AROUND PERIMETER FENCE SYSTEM (APPROXIMATELY ONE MILE IN LENGTH) UP #24" FROM GRADE. BOND TO FENCE FABRIC USING "HOS" RINGS EVERY 12" FULL LENGTH OF FENCE. CONNECT GROUND RODS TO FENCE GROUND BONDING WIRE USING NO. 6 GALV. WIRE.
- 32 TAKE GROUND BONDING WIRE UP FENCE LINE AND OVER 4TH FLOOR ROOF. BOND TO FABRIC ON 12" CENTERS.
- 33 AIM LUMINAIRES AT THIS TYPE "D" FIXTURE TO ILLUMINATE THE SERVICE ROAD BELOW IN DIRECTIONS SHOWN BY ARROWS.
- 34 SAME AS NOTE 33, EXCEPT AIM TO ILLUMINATE BOTH SALLYPORT GATES.
- 35 SEE SHEET E-6 AND E-7 FOR ADDITIONAL WORK INVOLVING SECURITY SYSTEMS IN AND ABOUT VEHICLE SALLYPORT AREA.
- 36 (N) "EPB" GENERATOR REMOTE STATUS PANEL. INSTALL ON WALL UP #60" ON EAST SIDE OF "DGP-1200" PANEL. CONNECT TO (E) SECONDARY UNDERGROUND VAULT USING 1-1/2" C-20#12. USE GRS 24" BELOW GRADE, THENCE UP AND ALONG BUILDING INSIDE WALLS. CONTINUE CIRCUIT TO GENERATOR CONTROL PANEL. SEE RELATED NOTE 8C, SHEET E-6.
- 37 CONNECT LUMINAIRES TO "PLS" CIRCUITS.
- 38 STEAM TUNNEL ACCESS. SEE SHEET E-3 FOR DUCT CONTINUATION.
- 39 SEE SHEET E-5 FOR INSTALLATION DETAILS.

SITE PLAN-ELECTRICAL 1
1"=50'-0"

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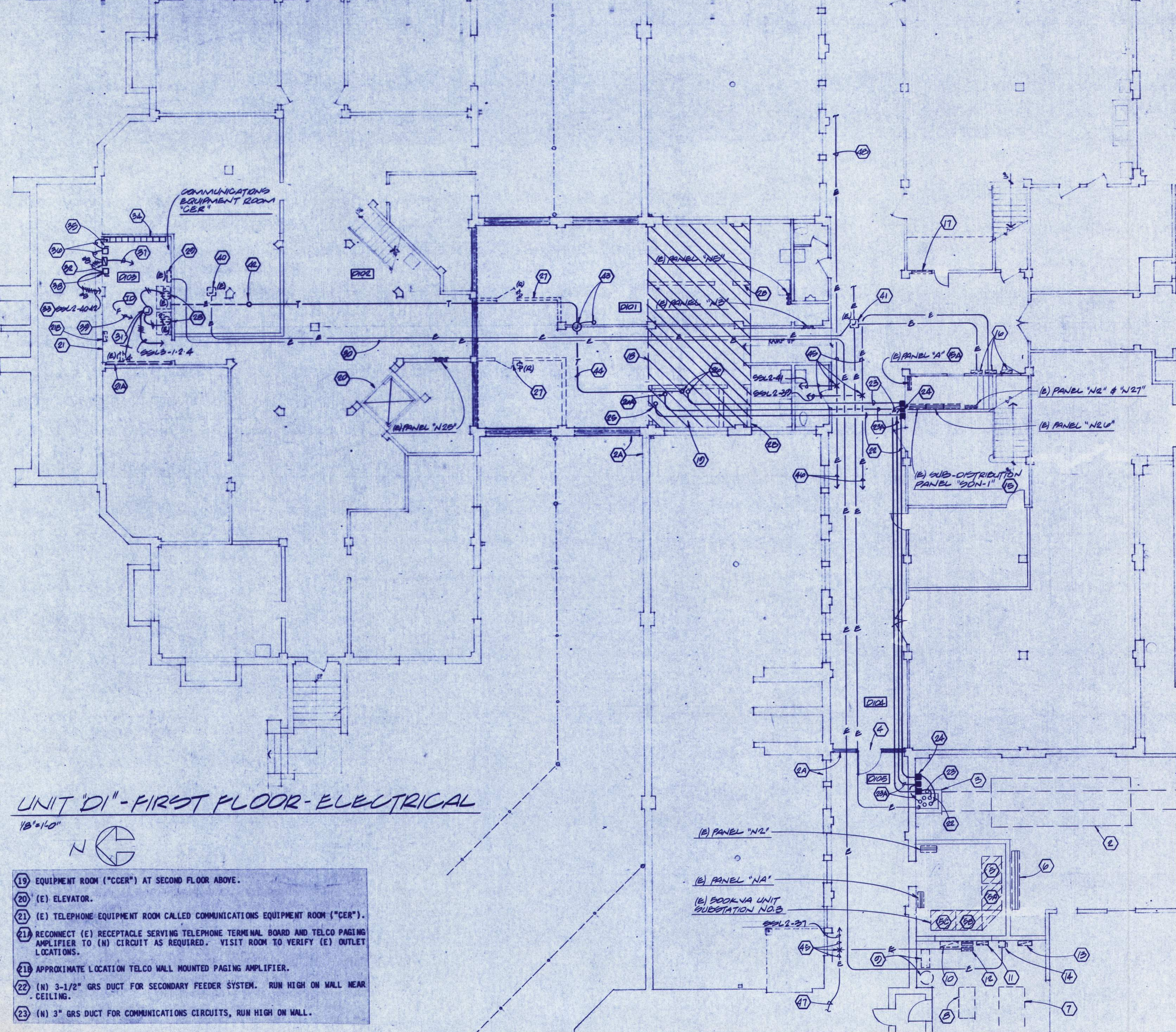
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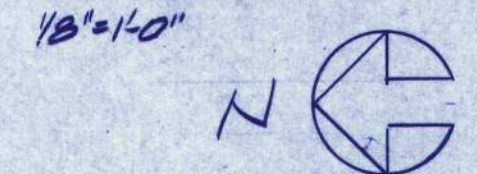


SHEET E-3 PLAN NOTES

- 1 (E) STEAM TUNNEL CONNECTION TO MAIN BUILDING BENEATH CHILLER ROOM. SEE SITE PLAN.
- 2 (E) CHILLER.
- 2A (E) WALLS TO REMAIN ARE SHOWN OPEN, THOSE TO BE REMOVED ARE SHOWN DASHED; (N) WALLS ARE SHOWN SHADED, THIS FLOOR.
- 2B (N) WALLS SHOWN WITH BROKEN LINENOTE ON FLOOR ABOVE, THIS AREA.
- 3 (E) 4"x6" TUNNEL ACCESS WITH STEEL PLATE COVER. (E) STEAM PIPES AND CONDUITS RISE THRU PLATE. CUT HOLES FOR (N) FEEDER AND COMMUNICATIONS DUCTS AS REQUIRED. SEE SHEET E-2 FOR CONTINUATION.
- 4 (N) CORRIDOR CONTROL DOOR THIS WORK, FLOOR TO CEILING.
- 5 PRIMARY SWITCH SECTION.(B)
- 5A TRANSFORMER SECTION.(E)
- 5B 1500 AMP "ITE" SECONDARY SECTION.(B)
- 5C 800 AMP "ITE" SECONDARY SECTION.(B)
- 6 (E) 600 AMP PANEL "AC" (MOTOR CONTROL CENTER).
- 7 (E) 250 KW MOTOR GENERATOR SET.
- 8 (E) 15 KW MOTOR GENERATOR SET.
- 9 (E) AIR COMPRESSOR AND AIR TANK FOR 250 KW GENERATOR START POWER.
- 10 (E) MANUAL TRANSFER SWITCH ("MIS" - 250 KW UNIT).
- 11 (E) AUTOMATIC TRANSFER SWITCH ("ATS" - 15 KW UNIT).
- 12 (E) LOAD CENTER PANELS. ONE IS FOR FIRE ALARM POWER CIRCUITS.
- 13 (E) 250 KW CONTROL PANEL.
- 14 (E) DISCONNECT SWITCH FOR TELEPHONE SYSTEM FED FROM "ATS".
- 15 (E) MAJOR POWER SUB-DISTRIBUTION CENTER FOR UNIT "D" BENEATH (E) STAIRS. PANEL TO BE INSTALLED UNDER PHASE ONE CONSTRUCTION - EXTERIOR LIGHTS.
- 16 (E) FIRE ALARM SYSTEM CONTROL PANEL W/HONEYWELL DATA PANELS SERVING UNIT "D".
- 17 (E) MOTOR CONTROL CENTER, FLUSH IN WALL SERVING UNIT "D" HVAC LOADS.
- 18 CROSSHATCHED AREA REPRESENTS (N) CENTRAL CONTROL ROOM ("CCR") AT SECOND FLOOR, ABOVE.



UNIT "D1" - FIRST FLOOR - ELECTRICAL



- 19 EQUIPMENT ROOM ("CCER") AT SECOND FLOOR ABOVE.
- 20 (E) ELEVATOR.
- 21 (E) TELEPHONE EQUIPMENT ROOM CALLED COMMUNICATIONS EQUIPMENT ROOM ("CER").
- 21A RECONNECT (E) RECEPTACLE SERVING TELEPHONE TERMINAL BOARD AND TELCO PAGING AMPLIFIER TO (N) CIRCUIT AS REQUIRED. VISIT ROOM TO VERIFY (E) OUTLET LOCATIONS.
- 21B APPROXIMATE LOCATION TELCO WALL MOUNTED PAGING AMPLIFIER.
- 22 (N) 3-1/2" GRS DUCT FOR SECONDARY FEEDER SYSTEM. RUN HIGH ON WALL NEAR CEILING.
- 23 (N) 3" GRS DUCT FOR COMMUNICATIONS CIRCUITS, RUN HIGH ON WALL.

TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	LAMP	VOLTS	FINISH	REMARKS
D	HOLOPHANE	SPRT-30J-2U/850-400-FF-50-104	POLE (ROUND)	(2) 400 W, 480 VPS, CLEAR STEEL GALV.(LU-400)	480	BLACK	PERIMETER SYSTEM FLOOD LIGHT TYPE LUMINAIRE, 2 PER 30 FT. POLE WITH YOKE ASSEMBLY. BLACK FINISH WITH PRISMATIC LENS AND TOP VISOR.
D1	HOLOPHANE	CALRT15J/1/850-400-FF-50-104	POLE (MODIFIED)	(2) 400 W, 480 VPS, CLEAR (LU-400)	480	BLACK	SAME AS FOR TYPE "D" EXCEPT 15 FOOT POLE WITHOUT BASE PLATE. SEE DETAIL, SHEET E-5 FOR SPECIAL MOUNTING PROVISIONS.
E	HOLOPHANE	MNS-100-H3822-GAL-8-LD15-5-WHITCH109-4851 LA-LR-SPC-P1 WITH LOR-480	POLE	(8) 1000 W, 480 VPS, CLEAR (LU-1000)	480	ALUMI-MUM	HIGH MAST TYPE LUMINAIRE(S), 8 PER 100 FT. POLE WITH LOWERING DEVICE, PORTABLE CART WITH WINCH AND POWER UNIT. PENAL INSTITUTION OPTION. SEE SPECIFICATIONS.
F	LIGHTOLIER	15127	SURFACE CEILING	4-F40, W/ 120	120	WHITE	SURFACE MOUNTED 2' X 4' LAMP, FLUORESCENT FIXTURE WITH PARABOLIC LOUVER, 18 CELL.
F1	LIGHTOLIER	15127	SURFACE CEILING	4-F40, W/ 120	120	WHITE	SAME AS TYPE "F" PLUS EMERGENCY BATTERY PAK.
G	LIGHTOLIER	86675	RECESSED CEILING	4-F40, W/ 120	120	WHITE	SAME AS TYPE "F" EXCEPT RECESSED TROFFER, 32 CELL.
G1	LIGHTOLIER	86675	RECESSED CEILING	4-F40, W/ 120	120	WHITE	SAME AS TYPE "G" PLUS EMERGENCY BATTERY PAK.
H	LITHONIA	8TAF-240-ES-MG3	PENDANT	4-F40, W/ 120	120	WHITE	12" X 96" INDUSTRIAL TYPE, 4 LAMP, FLUORESCENT FIXTURE WITH WIRE GUARDS.
K	LIGHTOLIER	10239	SURFACE WALL	2-F40, W/ 120	120	WHITE	7" D X 48" LAVATORY TYPE, 2 LAMP, FLUORESCENT FIXTURE WITH UP AND DOWN LIGHT. INSTALL ABOVE MIRROR, UP + 6"-6" AFF.
L	LIGHTOLIER	7709-A2	RECESSED	120W/PAR 38, FL	120	WHITE TRIM	RECESSED INCANDESCENT DOWN LIGHT TYPE FIXTURE WITH BLACK ALZAK REFLECTOR.
M	LITHONIA	EA-240MR	SURFACE CEILING	2-F40, W/ 120	120	WHITE	EXTRUDED ALUMINUM UPWARD FLOODING 2 LAMP, FIXTURE, IMPACT LENS.
N	ALICO	115-S-CO-W	SURFACE	1-T8-15W/ W/	120	WHITE	5" W X 18" L X 1-1/2" DEEP UNDER COUNTER FLUORESCENT LIGHT WITH CONVENIENCE OUTLET.

- LUMINAIRE SCHEDULE NOTES:**
- 1 PROVIDE MARK III OR EQUAL ENERGY SAVING BALLASTS FOR ALL FLUORESCENT FIXTURES, EXCEPT TYPE "M".
 - 2 LUMINAIRES TYPES "A", "B", AND "C" DESIGNATIONS WERE USED UNDER PHASE ONE CONSTRUCTION AND ARE NOT LISTED ABOVE.
 - 3 PROVIDE 25% LAMPS FOR EACH TYPE AND WATTAGE NOTED ABOVE.
 - 4 AT FIXTURE TYPE "D", AIM LUMINAIRES TO EVENLY ILLUMINATE PERIMETER LIGHTING FENCE LINE FROM BASE OF POLE TO A DISTANCE OF 100 FEET INTO THE SECURED YARD AREA. AVERAGE TO MINIMUM FOOT CANDLES SHALL BE NO GREATER THAN A RATIO OF 6:1. EVEN ILLUMINATION MUST BE MAINTAINED ALONG THIS 100 FOOT DEEP CORRIDOR THE FULL LENGTH OF THE FENCE LINE. VENDORS SEEKING SUBSTITUTION APPROVAL AGAINST SPECIFIED MANUFACTURER SHALL PROVIDE A COMPUTERIZED POINT BY POINT PRINT-OUT (ISO PLOT) SHOWING INITIAL FOOT CANDLE VALUES ACHIEVABLE THRU USE OF THEIR EQUAL OR BETTER SUBSTITUTION ALONG AN IMAGINARY 100 FOOT LONG LINE PARALLEL TO LUMINAIRE ROW. THE PROBLEM OF DIRECT GLARE AND ITS CONTROL AT VIEWING ANGLES SHALL ALSO BE ADDRESSED ALONG WITH EACH SUBMITTAL.
 - 5 AT FIXTURE "D1", AIM LUMINAIRES TO ILLUMINATE FENCE AREA SOUTH OF 5TH FLOOR AND FENCE LINE VERTICAL RISE UP BUILDING EXTERIOR WALL AND OUTDOOR VISITING AREAS.

PLAN NOTES CONTINUED

- 23 (N) 2-1/2" GRS DUCT FOR CONTROL AND BRANCH CIRCUITS, HIGH ON WALL.
- 24 PROVIDE PULLBOXES SAME AS SPECIFIED BY PLAN NOTES 21 AND 21A, SHEET E-2.
- 25 STUB UP TO PANEL "SS2", ABOVE.
- 26 STUB UP TO 6" X 12" X 60" COMMUNICATIONS SYSTEMS WIREWAY AT FLOOR, ABOVE.
- 26A STUB UP TO 6" X 6" X 36" POWER WIREWAY AT FLOOR, ABOVE.
- 27 REMOVE (E) ELECTRICAL SWITCHES. MAINTAIN OPERATIONAL LIGHTING SYSTEM IN THIS AREA.
- 28 (E) "DIMENSION" TELEPHONE CABINETS TO REMAIN.
- 29 (E) 6 CIRCUIT LOAD CENTER PANEL SERVING THIS ROOM.
- 30 (E) FEEDER TERMINATES AT DISCONNECT SWITCH ON EAST WALL, ROOM 106 (UNIT "D" GENERATOR ROOM). SEE NOTE 14, THIS SHEET.
- 31 PROVIDE (N) BRANCH CIRCUITS FOR (E) TELEPHONE CABINET RECEPTACLES. DISCONNECT FROM ADJACENT LOAD CENTER AND RECONNECT AS REQUIRED. USE GRS DUCT THROUGHOUT RUN. COORDINATE TIMING OF RECEPTACLE RECONNECTS WITH OWNER (MINIMUM DOWN TIME).
- 32 (N) UNINTERRUPTIBLE POWER SUPPLY "UPS" FOR SECURITY SYSTEMS BACK-UP. SEE SPECIFICATIONS. CONNECT ALL EXTERNAL AND INTERNAL POWER CIRCUITS AS REQUIRED.
- 33 1-1/4" GRS CONDUIT (GROUND IS #10 AWG). CONNECT TO 40A-1P BREAKER AT PANEL "SS2". EXTEND "CONDITIONED" CIRCUIT ("UPS" OUTPUT CIRCUIT) TO (N) PANEL "SS3", NEXT TO "SS2". SEE ONE LINE DIAGRAM, SHEET E-1.
- 34 (N) "UPS" SYSTEM BACK-UP BATTERY RACK WITH BATTERIES. VERIFY SUFFICIENT WALL SPACE TO ACCOMMODATE RACK LENGTH.
- 35 (N) 225A-2P BATTERY DISCONNECT SWITCH WITH 125 AMP, DUAL ELEMENT FUSES (TIME DELAY TYPE). MAKE REQUIRED CONNECTIONS.
- 36 1-1/4" C: 2# 1, THIN, COPPER.
- 37 1" GRS CONDUIT WITH 10# 18, TV TO "UPS" REMOTE STATUS PANEL IN "CCR". SEE SHEET E-5 FOR LOCATION.
- 38 PROVIDE (N) 60A-2P "UPS" AC INPUT DISCONNECT SWITCH WITH 40 AMP FUSES AND LOCKABLE HANDLE.
- 39 CONNECT TO UNIT "D" FIRE ALARM PANEL AS REQUIRED. SEE NOTE 16, THIS SHEET.
- 40 (E) JUNCTION BOX FOR FIRE ALARM WIRING WITH STUB-UP THRU FLOOR TO RECEPTIONIST HONEYWELL PRINTER, ABOVE. REMOVE STUB-UP AND ALL WIRING. PATCH CONCRETE FLOOR.
- 41 (E) MAJOR J-BOX FOR FIRE ALARM SYSTEM AT CORRIDOR CEILING. USE AS REQUIRED FOR NEW WIRING.
- 42 (3) 3" DUCTS FOR TELEPHONE SYSTEM STUBBED UP TO RECEPTIONIST STATION ABOVE. REMOVE RISERS THRU FLOOR. EXTEND TWO 3" DUCTS TO (N) J-BOX AS SHOWN; USE "GRS". PATCH FLOOR PENETRATIONS FULL DEPTH OF SLAB.
- 43 (N) 12"x12"x12" J-BOX AT CEILING. STUB (2) 3" DUCTS THRU FLOOR FOR TELEPHONE CIRCUITS AT (N) RECEPTION DESK. LABEL BOX COVER "TELEPHONE. COORDINATE EXACT LOCATION WITH ARCHITECT.
- 44 EXTEND TWO (N) 3" GRS DUCTS FROM J-BOX TO (N) WALL MOUNTED COMMUNICATIONS WIREWAY IN "CCR".
- 45 INTERCEPT (E) FIRE ALARM CONTROL PANEL 20 AMP, 120 V BRANCH CIRCUIT. EXTEND (N) HOMERUN TO (N) PANEL "SS2" AS REQUIRED. LEAVE SUFFICIENT CONDUCTOR LENGTH IN PANEL TO ALLOW FUTURE CONNECTION TO ADJACENT PANEL "SS3" BREAKERS.
- 46 (E) HOMERUNS TO (E) FIRE ALARM BREAKER PANEL. SEE NOTE 12, THIS SHEET.
- 47 CIRCUIT CONTINUES TO (E) FIRE CONTROL PANEL, UNIT "C" APPROXIMATELY 175 FEET TO WEST. VERIFY.
- 48 SAME AS NOTE 47, EXCEPT PANEL IN UNIT "E" APPROXIMATELY 300 FEET TO EAST. VERIFY.



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E-3

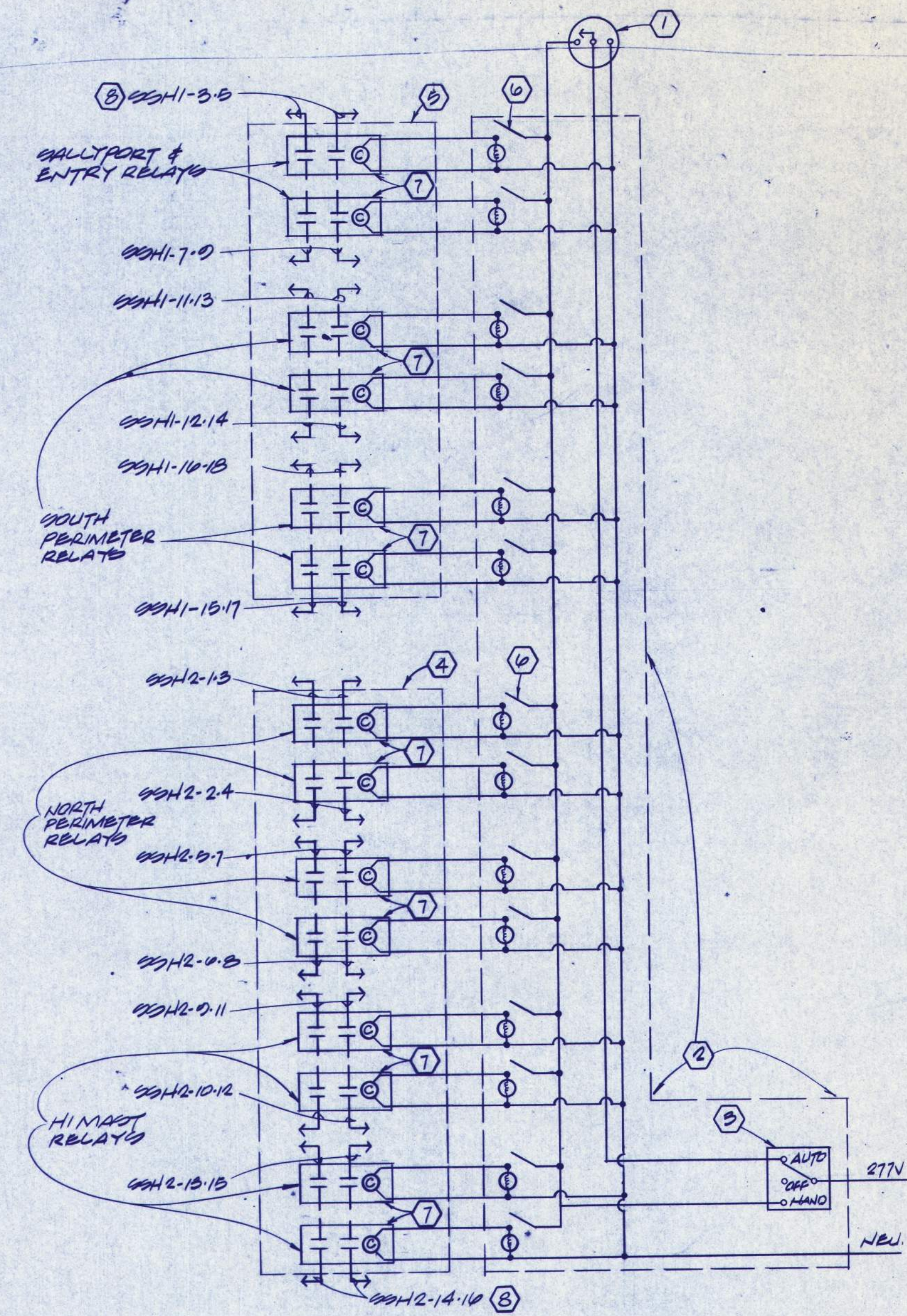


SHEET E-4 PLAN NOTES

- 1 PROVIDE (N) LIGHTING WORK FOR CENTRAL CONTROL ROOM AREA, AND RECEPTION AREA UNDER PHASE TWO CONSTRUCTION. SEE LARGE SCALE DRAWING, SHEETS E-5 AND E-7 FOR (N) POWER AND SIGNAL WORK (IN CONTROL AND EQUIPMENT AREAS).
- 2 DASHED LINES REPRESENT (E) CONCRETE BEAMS AT SECOND FLOOR CEILING, TYPICAL.
- 3 (N) MECHANICAL A/C UNIT FLOOR STANDING. SUSPEND (N) TYPE "H" LUMINAIRE BELOW OVERHEAD DUCTS UP ± 9'-6" AFF.
- 4 REPLACE (E) LIGHT FIXTURE WITH NEW, TYPICAL FOR (G) EXISTING FIXTURES IN THIS RECEPTION AREA. REUSE (E) CONDUIT FOR NEW CONDUCTORS, QUANTITY SHOWN. IF (E) RACEWAY IS UNUSABLE, PROVIDE (N) SURFACE RACEWAY BETWEEN (N) LUMINAIRES AS INCONSPICUOUS AS POSSIBLE.
- 4A MAINTAIN (E) LIGHTING CIRCUIT CONTINUITY BETWEEN THESE AREAS. LIGHTING CIRCUIT IS PANEL SWITCHED AT "N-16" NEAR ELEVATOR, VERIFY.
- 5 CONNECT BALLAST FOR INSIDE LAMPS TO SWITCH "d", OUTSIDE LAMPS TO SWITCH "e", TYPICAL. ALL TYPE "F" AND "F1" LUMINAIRES.
- 6 CONNECT BALLAST FOR INSIDE LAMPS TO SWITCH "a", OUTSIDE LAMPS TO SWITCH "b", TYPICAL. ALL TYPE "G" AND "G1" LUMINAIRES.
- 7 CONNECT TYPE "F1" AND "G1" EMERGENCY BALLAST/BATTERY PAK AHEAD OF ANY SWITCH TO OPERATE ONLY UNDER LOSS OF POWER TO NORMAL ROOM LIGHTING CIRCUIT, TYPICAL FOR FOUR (4).
- 8 (N) LIGHTING CONTROL PANEL FOR EXTERIOR LIGHTING MANUAL OVERRIDE SWITCHES. SEE DETAILS THIS SHEET.
- 9 (E) ELEVATOR.
- 10 (N) CORRIDOR SEPARATION WALL AND DOOR PROVIDED UNDER THIS PHASE.
- 11 (E) HONEYWELL PRINTER AT (E) RECEPTION DESK FOR FIRE ALARM. REMOVE AND SALVAGE TO OWNER.
- 12 INSTALL (N) J-BOX ON (N) RECEPTION DESK NEAR FLOOR. VERIFY EXACT LOCATION. PULL IN CIRCUITS AND CONNECT TO NEW POWER OUTLETS AT DESK. SEE RECEPTION DESK DETAIL BELOW.
- 13 (E) INTERCOM STATION TO RECEPTIONIST DESK. EXTEND WIRING TO (N) DESK LOCATION AS REQUIRED. RUN IN 1" GRS AT CEILING, FIRST FLOOR BELOW.
- 14 CONNECT TO NEAREST (N) ALARM DETECTOR IN "CCR", SEE SHEET E-5.
- 15 (E) PBX RECEPTIONIST ROOM. FUNCTION TO BE RELOCATED TO AREA JUST NORTH OF (N) "CCR".
- 16 (N) OUTLET FOR METAL DETECTION UNIT. CONNECT TO NEAREST OUTLET. SEE SHY. E-5 FOR CONTINUATION.
- 17 INSTALL TYPE "L" LUMINAIRES AS CLOSE TO OVERHEAD BEAMS AS POSSIBLE AND ON 36" CENTERS (APPROXIMATELY).

EXTERIOR SECURITY LIGHTING WIRING DIAGRAM NOTES

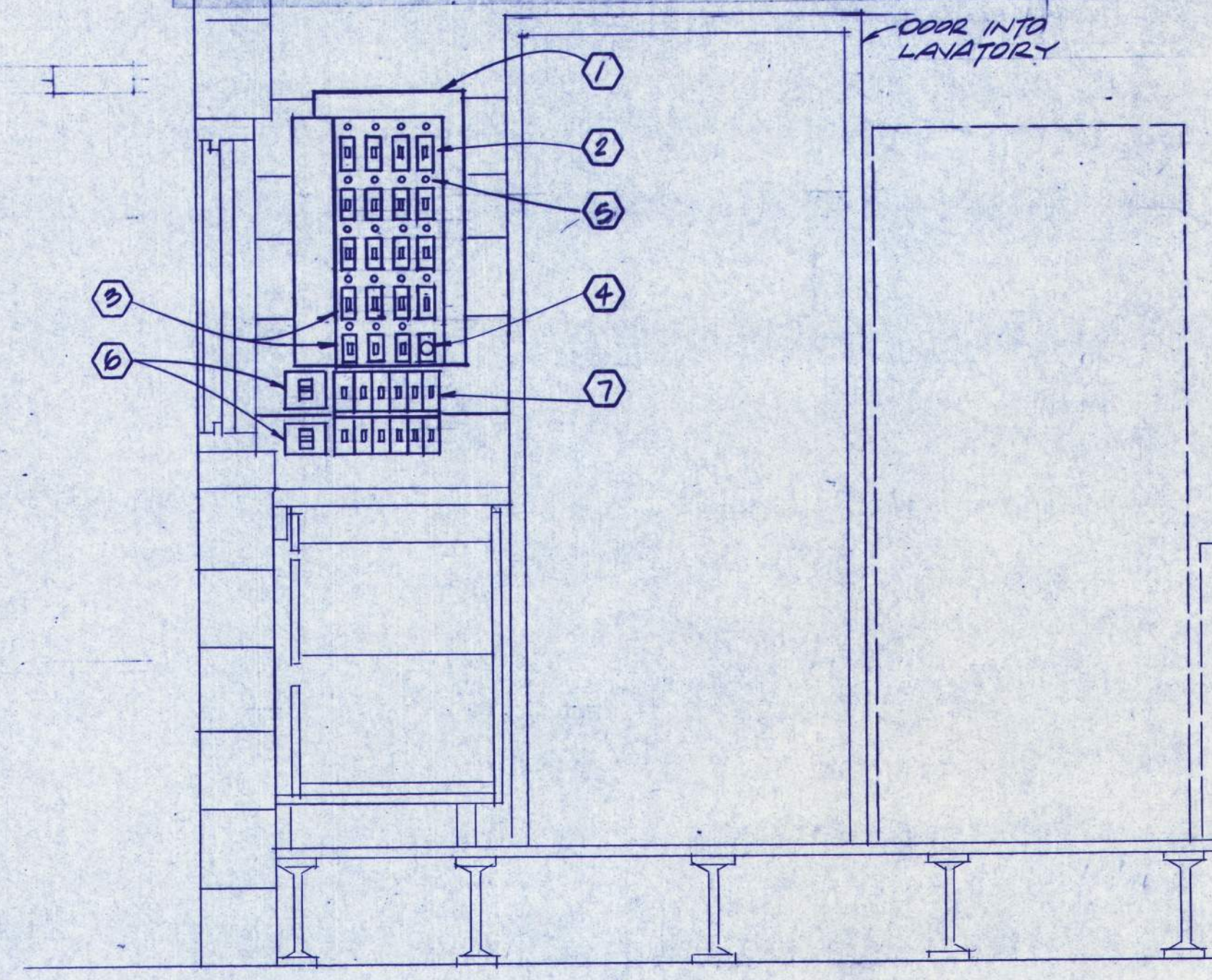
- 1 CONTROL PHOTOCELL ON ROOF. SEE SHEET E-5. AIM NORTH. FLASH AND COUNTER FLASH ROOF PENETRATION BALMIGHT.
- 2 LIGHTING CONTROL PANEL IN "CCR". SEE SHEET E-4. PROVIDE 16" WIDE PANELBOARD TYPE ENCLOSURE WITH LOCKING COVER. SEE DETAIL BELOW.
- 3 HAND-OFF-AUTO (HOA) SWITCH. INSTALL ON PANEL DEADFRONT.
- 4 SECURITY LIGHTING RELAY CABINET NO. 1 ("SLRC-1"). SURFACE MOUNT ON WALL WHERE SHOWN ON PLAN, SHEET E-5. CONNECT TO LIGHTING CONTROL PANEL AS REQUIRED. USE NEMA 1 CABINET WITH PHENOLIC NAMEPLATE.
- 5 SECURITY LIGHTING RELAY CABINET NO. 2 ("SLRC-2"). MOUNT ON WALL IN "EPB" OUTSIDE SECURITY FENCE. SEE PLAN E-6 FOR LOCATION. USE NEMA 1 CABINET WITH PHENOLIC NAMEPLATE.
- 6 "ON-OFF" TOGGLE SWITCH, 277 V, FOR MANUAL CIRCUIT CONTROL WITH PILOT LIGHT IN "ON" POSITION, TYPICAL WHERE SHOWN. INSTALL IN PANEL DEADFRONT.
- 7 480 VOLT ELECTRICALLY HELD 2 POLE RELAY WITH 277 V HOLDING COIL. SAME MANUFACTURER AS FOR PANELBOARDS. PROVIDE 2 SPARE RELAYS FOR FUTURE USE IN EACH "SLRC".
- 8 CIRCUIT NUMBER, TYPICAL WHERE SHOWN.



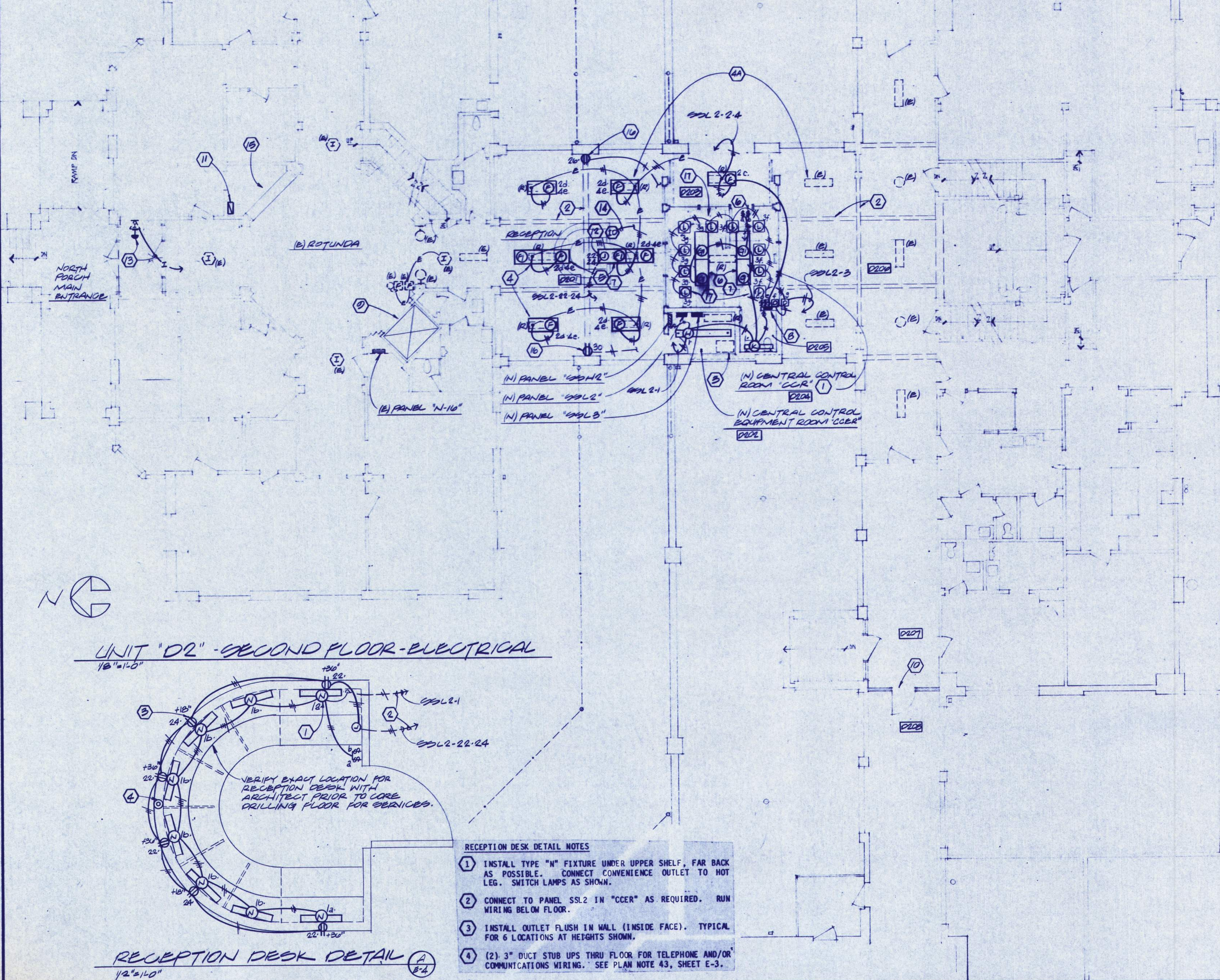
EXTERIOR SECURITY LIGHTING WIRING DIAGRAM
NO SCALE

WEST WALL ELEVATION NOTES

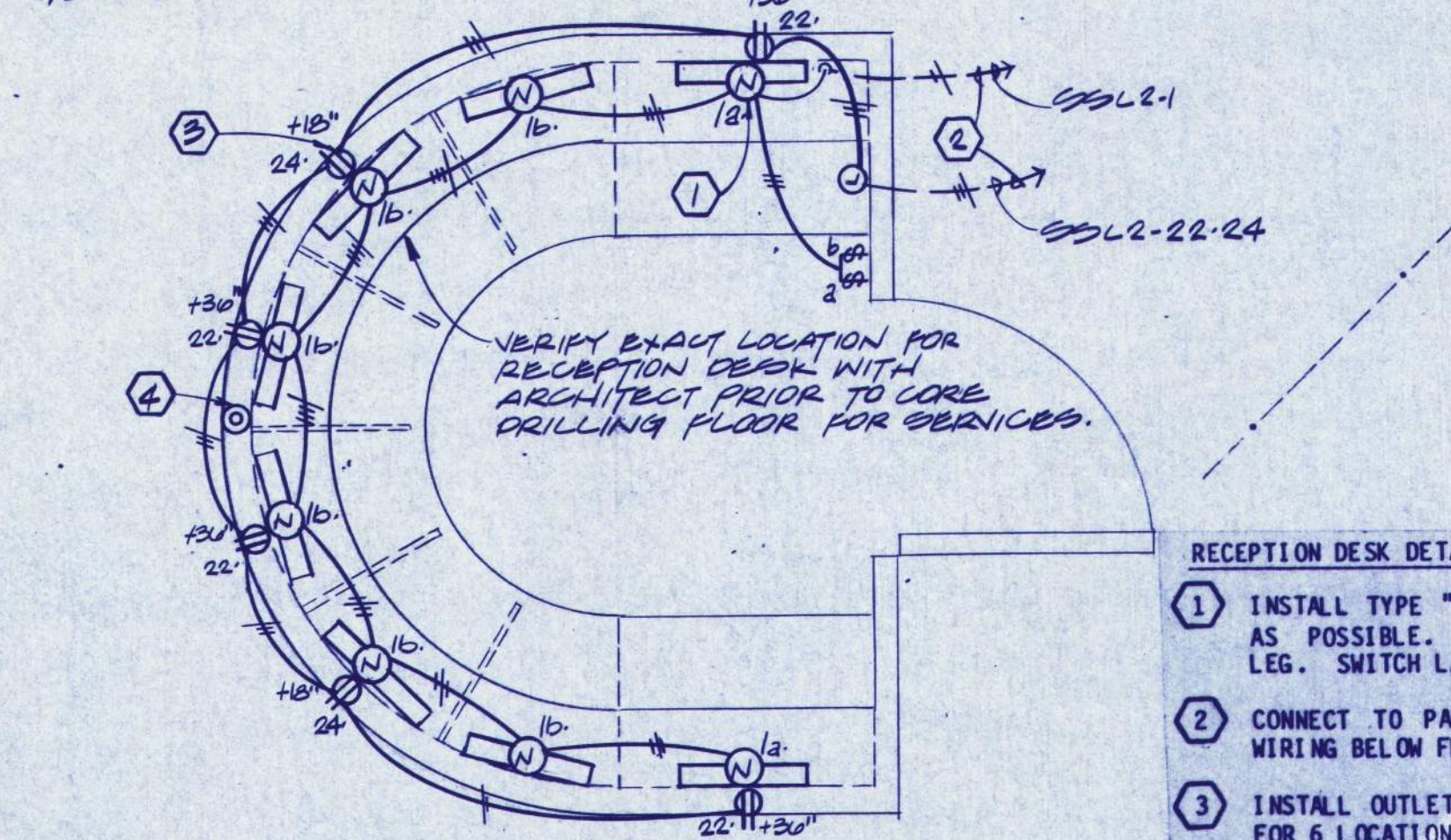
- 1 (N) PANELBOARD TYPE CABINET WITH LOCKING COVER, SIZE REQUIRED TO HOUSE SWITCHES SHOWN. COORDINATE RECESS IN WALL WITH GENERAL CONTRACTOR. SEE WIRING DETAIL ABOVE. WALL IS 6" CONCRETE BLOCK. PANEL DEPTH - 4-1/2" MAXIMUM.
- 2 TOGGLE TYPE SWITCH. ENGRAVE FACEPLATE TO READ "NORTH PERIMETER", "SOUTH PERIMETER", "HIMAST", "VEHICLE SALLYPORT", RESPECTIVELY ON 14 SWITCHES.
- 3 5 SWITCHES ARE "SPARE".
- 4 HAND-OFF-AUTO SWITCH.
- 5 PILOT LIGHT IN "ON" POSITION.
- 6 DIMMER CONTROL SWITCH.
- 7 SWITCHES FOR AREA LIGHTING CONTROL. THREE ARE ACTIVE, 9 ARE SPARE. ENGRAVE FACEPLATES "RECEPTION" AND/OR "SALLYPORT" RESPECTIVELY.



PARTIAL WEST WALL ELEVATION
CENTRAL CONTROL ROOM
NO SCALE



UNIT "D2" - SECOND FLOOR - ELECTRICAL



RECEPTION DESK DETAIL NOTES

- 1 INSTALL TYPE "H" FIXTURE UNDER UPPER SHELF, FAR BACK AS POSSIBLE. CONNECT CONVENIENCE OUTLET TO HOT LEG. SWITCH LAMPS AS SHOWN.
- 2 CONNECT TO PANEL SSL2 IN "CCR" AS REQUIRED. RUN WIRING BELOW FLOOR.
- 3 INSTALL OUTLET FLUSH IN WALL (INSIDE FACE). TYPICAL FOR 6 LOCATIONS AT HEIGHTS SHOWN.
- 4 (2) 3" DUCT STUB UPS THRU FLOOR FOR TELEPHONE AND/OR COMMUNICATIONS WIRING. SEE PLAN NOTE 43, SHEET E-3.

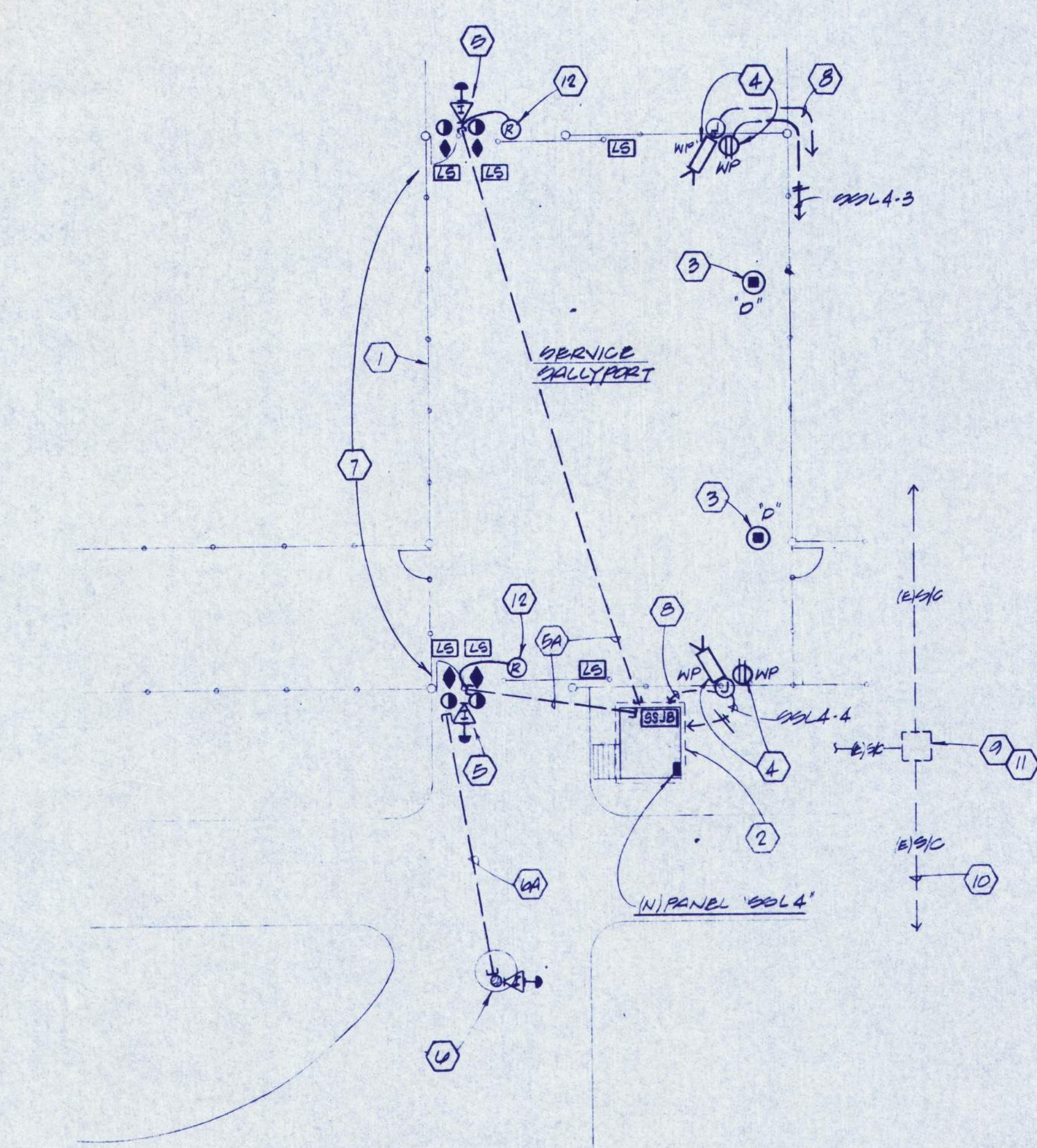


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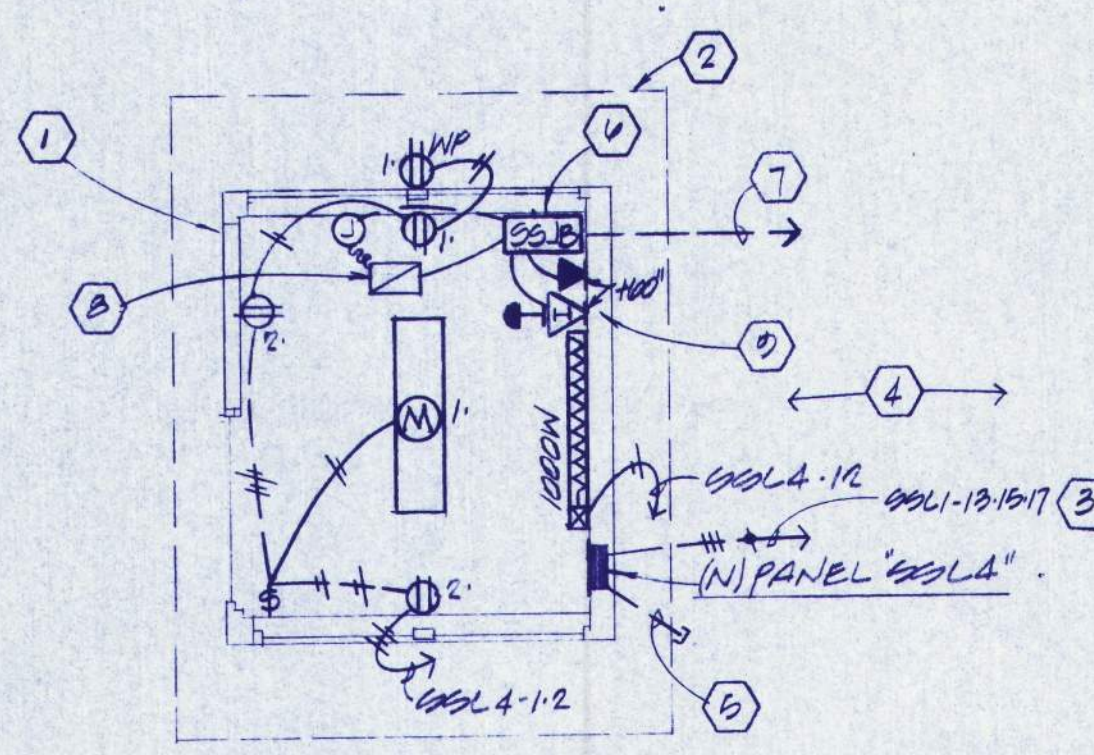




SERVICE SALLYPORT ENLARGED PLAN - ELECTRICAL
1/16" = 1'-0"

SERVICE SALLYPORT PLAN NOTES

- SEE SITE PLAN, SHEET E-2 FOR SALLYPORT LOCATION, AND SHEET E-7 FOR ADDITIONAL SECURITY WORK THIS AREA.
- SEE 1/4" SCALE PLAN, RIGHT FOR REQUIRED ELECTRICAL WORK IN GUARDHOUSE.
- (N) LUMINAIRES SAME AS SHOWN ON SITE PLAN, SHEET E-2.
- INSTALL CCTV CAMERA AND RECEPTACLE ±12 FEET ABOVE GRADE ON BRACKET SUPPORTED FROM 3-1/2" Ø FENCE PIPE COLUMN. LOCATE TO BEST OBSERVE ACTIVITY IN SALLYPORT.
- INSTALL INTERCOM SPEAKERS ON GATE SUPPORT COLUMN UP ±60" ABOVE GRADE. EXTEND (E) UNDERGROUND DUCT STUB-UP (1") UP COLUMN FOR SAME.
- EXTEND (E) UNDERGROUND DUCT (1" GRS) TO (N) SECURITY SYSTEM J-BOX ("SSJB") IN GUARD HOUSE. MAKE INTERCOM CONNECTIONS AS REQUIRED.
- INSTALL SPEAKER ON CONCRETE PEDESTAL PROVIDED BY GENERAL CONTRACTOR. COORDINATE. CONNECT TO NEAREST SPEAKER VIA 1" UNDERGROUND DUCT.
- EXTEND (E) 1" GRS DUCT UP INTO PEDESTAL AND UP SUPPORT COLUMNS AS REQUIRED. CONNECT SPEAKERS.
- ALL SURFACE (EXPOSED) ELECTRICAL WIRING RELATED TO SALLYPORT FENCE SYSTEM TO BE RUN IN GRS CONDUIT.
- TO "SSJB", RUN WIRING IN 1" GRS DUCT UNDERGROUND. SEE WIRING DIAGRAM, SHEET E-7.
- APPROXIMATE LOCATION (E) SECONDARY PULLBOX IN GROUND INSTALLED UNDER PHASE ONE. SEE SITE PLAN, SHEET E-2.
- (E) UNDERGROUND DUCTS (4-4"). SEE SITE PLAN.
- SALLYPORT GATE MOTOR BRANCH CIRCUITS ENTER THIS VAULT PRIOR TO EXTENSION TO MAINTENANCE BUILDING. PROVIDE PANELBOARD. DISCONNECT CONDUCTORS AT PANELBOARD. PROVIDE (N) BRANCH CIRCUITS FROM PANEL "SS1" IN "EPB" AS CIRCUITS SS1-14, 16, 18, 19, 21, AND 23 (1/3 HP, 208 V, 3 Ø MOTORS). PULL IN (N) CONTROL CIRCUITS FROM "CCR" TO EACH GATE MOTOR. RECONNECT AS REQUIRED. SEE RISER AND WIRING DIAGRAM, SHEET E-7. REMOVE (E) GATE CONTROL STATIONS INSTALLED UNDER PHASE ONE. COORDINATE SEQUENCE OF WIRING CHANGE WITH ARCHITECT.
- MOTORIZED DOOR OPERATOR AT SLIDING DOOR HEAD. CONNECT.



GUARD HOUSE FLOOR PLAN ELECTRICAL
1/8" = 1'-0"

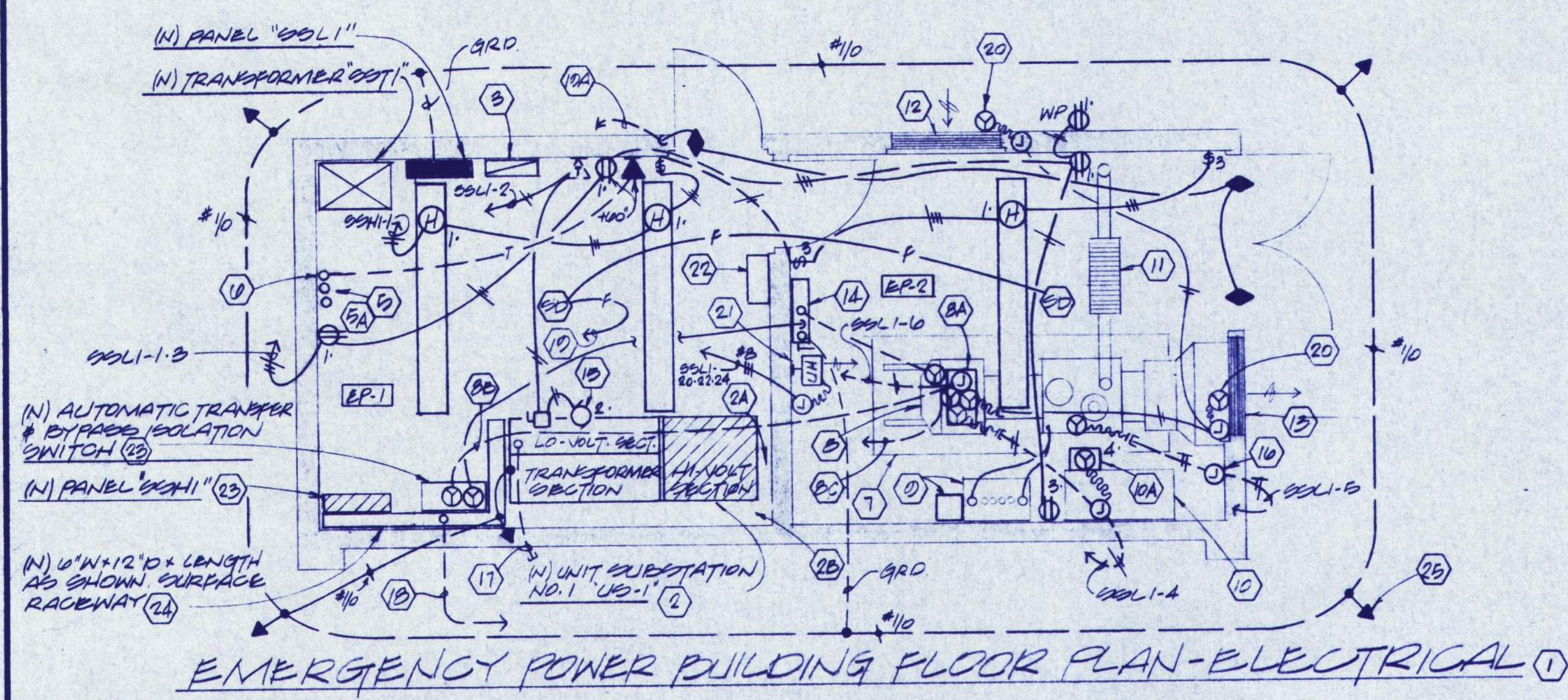
GUARDHOUSE PLAN NOTES

- SEE PLAN LEFT FOR GUARDHOUSE LOCATION SOUTH OF SALLYPORT. VERIFY WITH ARCHITECTURAL PLANS.
- OUTLINE OF ROOF OVERHANG.
- (N) UNDERGROUND FEEDER. PROVIDE 1-1/2" GRS WITH CONDUCTORS TO UNDERGROUND VAULT APPROXIMATELY 30 FEET EAST THENCE IN UNDERGROUND DUCT SYSTEM TO PANEL "SS1" IN "EPB" AS REQUIRED.
- CAUTIONARY NOTE. CONCRETE ENCASED DUCT SYSTEM INSTALLED UNDER PHASE ONE RUNS EAST AND WEST BENEATH (N) GUARDHOUSE. COORDINATE (N) WORK THIS AREA WITH GENERAL CONTRACTOR.
- STUB (2) 1-1/2" EMPTY DUCTS BELOW PANEL OUT THRU GUARD HOUSE FLOOR SLAB. BURY 18" BELOW GRADE. MARK.
- 12" X 12" X 4" SECURITY SYSTEMS J-BOX ("SSJB"). INSTALL INSIDE GUARDHOUSE FLUSH IN WALL. LABEL "SSJB" USING PHENOLIC NAMEPLATE. PROVIDE TAMPER PROOF SCREENS.
- PROVIDE (N) 1-1/2" GRS DUCT 24" UNDERGROUND TO (E) VAULT NOTED AT NOTE 3, ABOVE. PULL IN SECURITY SYSTEM WIRING AS REQUIRED. CONNECT DEVICES.
- GUARD HOUSE MASTER INTERCOM STATION, DESK MOUNT TYPE. SEE SPECIFICATIONS. PROVIDE J-BOX FLUSH IN WALL UP 24" WITH GROMMETED FACEPLATE OPENING. CONNECT TO "SSJB" WITH 1" EMT CONCEALED IN WALL.
- RUN 3/4" DUCT FROM EACH OUTLET BOX TO "SSJB".

PANELBOARD SCHEDULES

PANEL 'SS1A'	VOLTS 277/480	PHASE B	WIRE 4	MOUNTING SURFACE	MAIN BREAKER	100AMP-3P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
LIGHTING-BUILDING	1400	20 1	2 20 1	200	LIGHTING-BUILDING	
LIGHTING-SALLYPORT	1400	20 2	3 20 1	200	SPARE	
LIGHTING-SALLYPORT	1400	20 2	4 20 1	200		
LIGHTING-PERIMETER	4200	20 2	5 20 2	4000	LIGHTING-PERIMETER	
LIGHTING-PERIMETER	4200	20 2	6 20 2	4000	LIGHTING-PERIMETER	
LIGHTING-PERIMETER	4000	20 2	7 20 2	4000	LIGHTING-PERIMETER	
SPACE-ONLY					SPACE ONLY	
SUB-TOTAL						

PANEL 'SS1B'	VOLTS 277/480	PHASE B	WIRE 4	MOUNTING SURFACE	MAIN BREAKER	100AMP-3P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
LTR PERIMETER	4200	20 2	1 20 2	4200	LTR PERIMETER	
LTR PERIMETER	4000	20 2	2 20 2	4000	LTR PERIMETER	
LTR PERIMETER	4000	20 2	3 20 2	4000	LTR PERIMETER	
LTR HI-MAST	4400	20 2	4 20 2	4400	LTR HI-MAST	
LTR HI-MAST	4400	20 2	5 20 2	4400	LTR HI-MAST	
SPACE					SPACE	
SUB-TOTAL						



EMERGENCY POWER BUILDING FLOOR PLAN - ELECTRICAL

EMERGENCY POWER BUILDING PLAN NOTES

- SEE SITE PLAN, SHEET E-2 FOR BUILDING LOCATION.
- SEE ONE LINE DIAGRAM, SHEET E-1. MAXIMUM SUBSTATION DIMENSIONS: 100' LONG X 36' DEEP X 90" HIGH.
- LEAVE 6" MIN. BETWEEN "US-1" AND WALL.
- LEAVE 12" SEPARATION AT REAR WALL.
- "SLRC-2". INSTALL TOP AT 6'-0". SEE WIRING DIAGRAM, SHEET E-4.
- NOTE NOT USED.
- APPROXIMATE LOCATION (2) 4" DUCT STUB-UPS DESCRIBED AT PLAN NOTE 13A, SHEET E-2. USE ONE FOR (N) BRANCH CIRCUIT AND CONTROL WIRING THIS WORK. USE OTHER FOR "EPB" COMM/SECURITY WIRING BACK TO GUARD HOUSE, POWER BUILDING, AND MAIN BUILDING "D".
- PROVIDE 12" X 12" X 8" DEEP SCREEN COVER TYPE J-BOX AT EACH DUCT STUB-UP. CONNECT TO DUCT. LABEL ONE "POWER"; OTHER "COMMUNICATIONS".
- STUB 3/4" DUCT UP FOR FUTURE TELEPHONE.
- PROVIDE 6" HIGH CONCRETE BASE FOR (N) ENGINE GENERATOR, LENGTH AND WIDTH AS REQUIRED. CHAMFER ALL EDGES.
- (N) ENGINE GENERATOR. SEE SPECIFICATIONS. SECURELY BOLT TO CONCRETE BASE USING VIBRATION ISOLATORS.
- GENERATOR CONTROL PANEL. PROVIDE 120V, 1Ø CONTROL CIRCUIT AS REQUIRED.
- PROVIDE CONDUIT CONNECTION AND CONDUCTORS PER MANUFACTURER FOR TRANSFER SWITCH TO GENERATOR INTERFACE. CONNECT AS REQUIRED (CONTROL CIRCUITS).
- PROVIDE WIRING TO REMOTE STATUS PANEL. USE 1-1/2" C-20#12 TO 4" COMMUNICATIONS J-BOX, THENCE TO BOILER PLANT BUILDING. CONNECT BOTH ENDS PER MANUFACTURERS DIAGRAMS. SEE SHEET E-2 FOR PANEL LOCATION.
- INSTALL BATTERY AND CHARGER PER MANUFACTURERS DIRECTIONS.
- GENERATOR FUEL SYSTEM DAY TANK PROVIDED BY ELECTRICAL CONTRACTOR. SECURELY BOLT TO FLOOR. FUEL LINE INSTALLATION BY MECHANICAL CONTRACTOR. COORDINATE.
- DAY TANK FUEL PUMP PROVIDED WITH TANK. 1/3 HP, 120V, 1Ø. CONNECT THRU CONTROL PANEL SO THAT PUMP OPERATES ONLY WHILE ENGINE RUNS.
- ENGINE EXHAUST SYSTEM. MUFFLER FURNISHED BY ELECTRICAL CONTRACTOR; INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE.
- COMBUSTION/COOLING AIR INTAKE LOUVER.

- COOLING EXHAUST LOUVER AND RELATED DUCTWORK (DUCT ASSEMBLY BY MECHANICAL CONTRACTOR).
- ENGINE GENERATOR DISCONNECT SWITCH. SEE ONE LINE DIAGRAM.
- EXHAUST FAN ON ROOF: 1/3 HP, 120 V, 1 Ø. CONNECT THRU REVERSE ACTING THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR AS REQUIRED.
- PROVIDE 120 VOLT CIRCUIT FOR ENGINE BLOCK HEATER. CONNECT TO 30A-1P BREAKER AS REQUIRED.
- APPROXIMATE LOCATION 3-1/2" UNDERGROUND DUCT STUB OUT CALLED FOR AT NOTE 7A, SHEET E-2.
- SAME AS NOTE 5, EXCEPT USE FOR (N) FEEDER TO PANEL "SS1B" VIA UNDERGROUND SECONDARY SYSTEM.
- 1/2" C WITH 4#12 CONDUCTORS TO (E) HONEYWELL "DGP-1200" PANEL IN POWER HOUSE VIA COMMUNICATIONS J-BOX. SEE SITE PLAN FOR LOCATION.
- SAME AS NOTE 19, EXCEPT TO (N) "CCR". SEE SHEET E-7.
- CONNECT MOTORIZED DAMPER PROVIDED BY MECHANICAL CONTRACTOR VIA GENERATOR CONTROL PANEL TO OPERATE WHILE GENERATOR SET OPERATES.
- PROVIDE (N) UNIT HEATER: 10.0 KW, 208 V, 3 Ø. SEE SPECIFICATIONS. INSTALL UNIT BOTTOM ±8'-0" AFF.
- PROVIDE (N) SPARE FUSE CABINET SO LABELLED. USE TELEPHONE EQUIPMENT TYPE CABINET WITH DOOR AND LOCKING HANDLE (KEYED SAME AS FOR PANELBOARDS). SIZED AS REQUIRED FOR 3 FUSES.
- INSTALL SURFACE ON WALL ABOVE WIREWAY. VERIFY SIZE INVOLVED.
- PROVIDE 90° ELBOW TO ALLOW WIREWAY TO SEAT AGAINST WALL AND EXTEND FULL DEPTH OF "US-1".
- GROUNDING ELECTRODE. CONNECT TOTAL OF FIVE AS SHOWN. BURY TOPS 12" BELOW GRADE EXCEPT ROD INSIDE BUILDING. LEAVE IT 6" ABOVE PAD TOP. RUN #1/0 CU 24" BELOW GRADE MINIMUM.

PANEL 'SS1C'	VOLTS 277/480	PHASE B	WIRE 4	MOUNTING SURFACE	MAIN BREAKER	100AMP-3P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
RECEPTABLES	4000	20 1	1 20 1	400	EXHAUST FAN	
BLOCK HEATER	2500	30 1	1 30 1	200	PUMP	
SPACE					SPACE	
SUB-TOTAL						

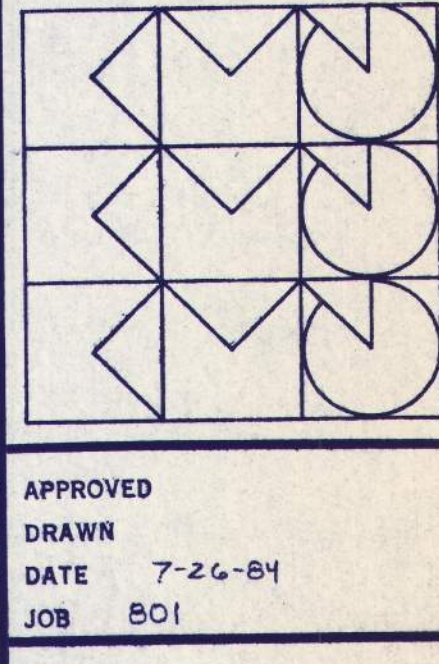
PANEL 'SS1D'	VOLTS 277/480	PHASE B	WIRE 4	MOUNTING SURFACE	MAIN BREAKER	100AMP-3P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
LIGHTING 'CCR'	3000	20 1	1 20 1	300	LTR RECEPTION	
SPACE					SPACE	
SUB-TOTAL						

PANEL 'SS1E'	VOLTS 277/480	PHASE B	WIRE 5	MOUNTING SURFACE	MAIN BREAKER	50AMP-1P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
LIGHT/RECEP	4000	20 1	1 20 1	400	RECEPTABLES	
NORTH CAMERA	4000	20 1	1 20 1	200	SOUTH CAMERA	
SPACE					SPACE	
SUB-TOTAL						

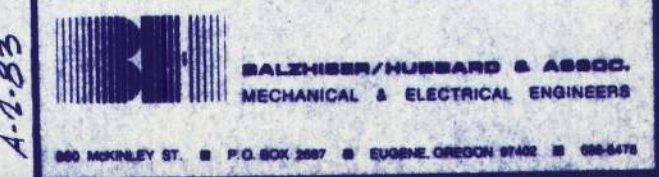
PANEL 'SS1F'	VOLTS 277/480	PHASE B	WIRE 2	MOUNTING SURFACE	MAIN BREAKER	40AMP-1P
EQUIPMENT	WATTAGE	DISCONNECTS	DISCONNECTS	WATTAGE	EQUIPMENT	
TELEPHONE RECP	4000	20 1	1 20 1	400	TELEPHONE RECP	
RADIO RECP	1000	20 1	1 20 1	400		
RECEPTABLES	2000	20 1	1 20 1	400	RADIO RECP (DISH)	
SPACE					SPACE	
SUB-TOTAL						

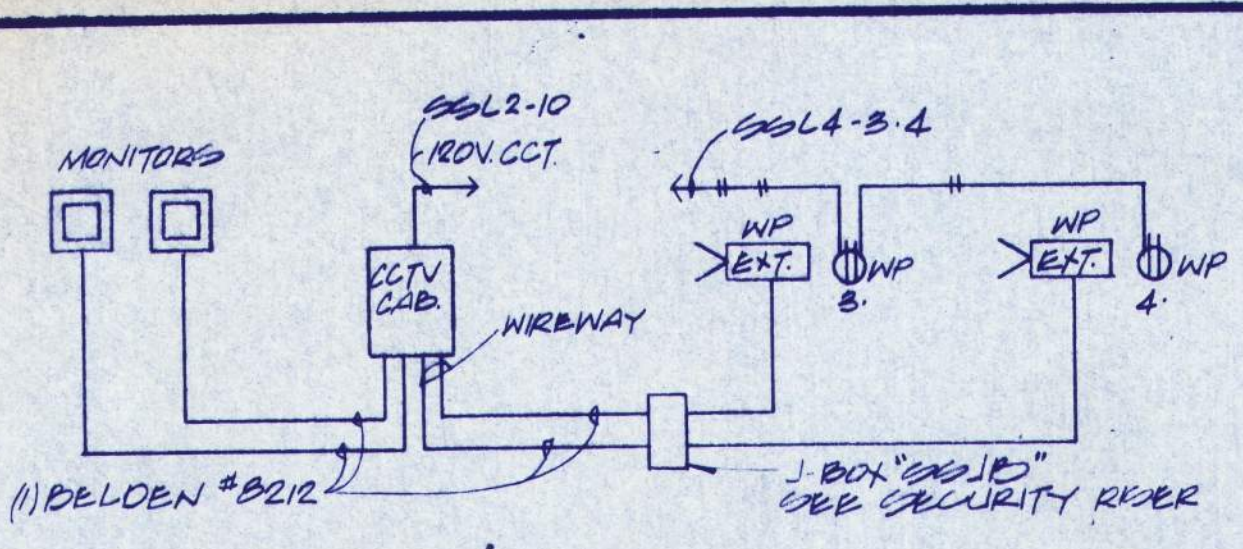
EASTERN OREGON CORRECTIONAL INSTITUTION
PENLETON, OREGON
PHASE 2
WEGROUP pc / ARCHITECTS & PLANNERS
OREGON STATE CORRECTIONS DIVISION

812 S.W. WASHINGTON STREET/PORTLAND, OREGON 97205 (503) 252-1181
863 THIRTIETH AVENUE EAST/EGGERS, OREGON 97401 (503) 344-3249

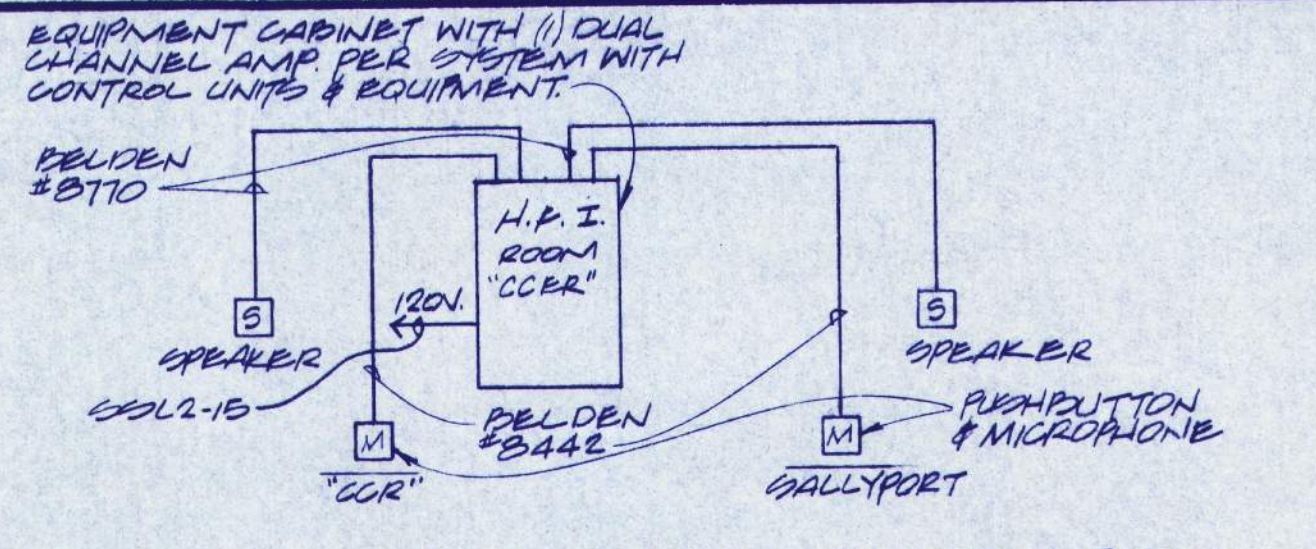


APPROVED
DRAWN
DATE 7-26-84
JOB BO1

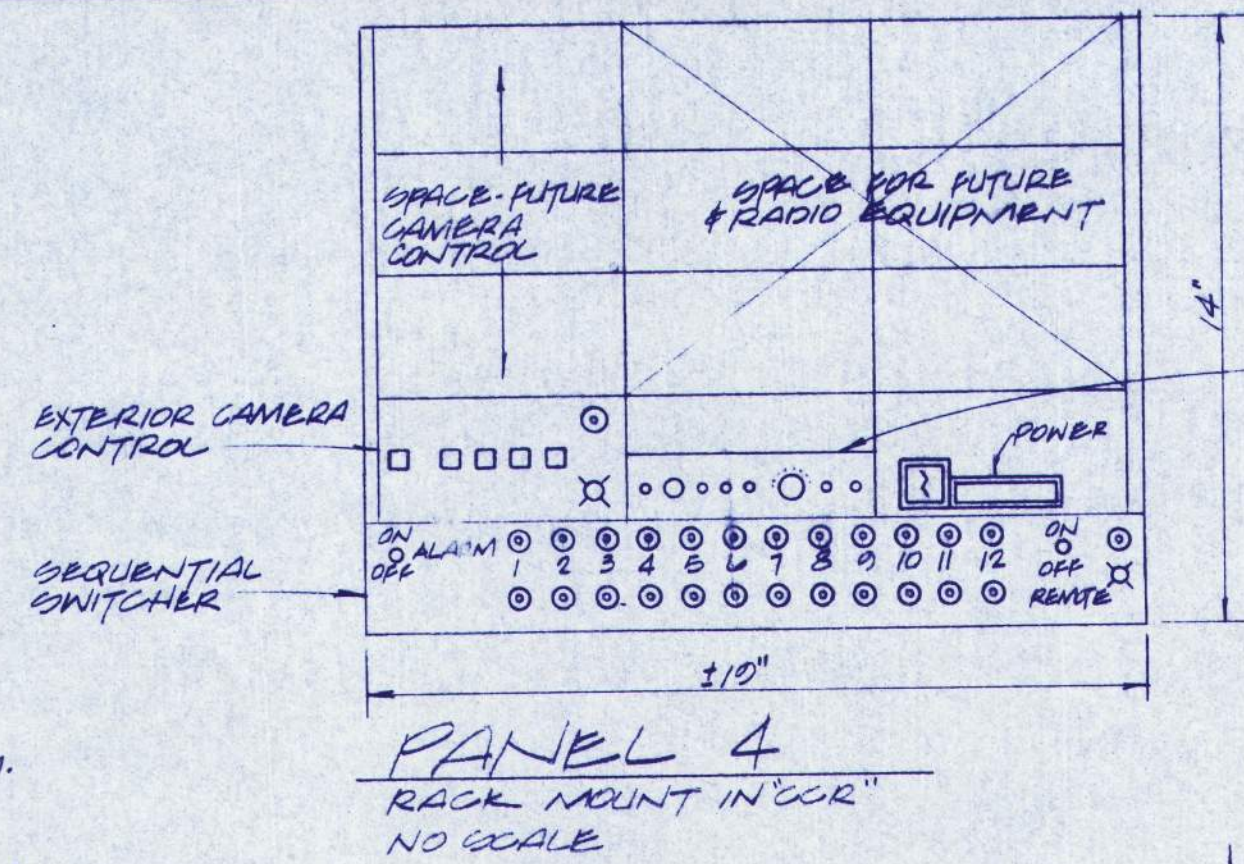




CCTV RISER - VEHICLE SALLYPORT
NO SCALE

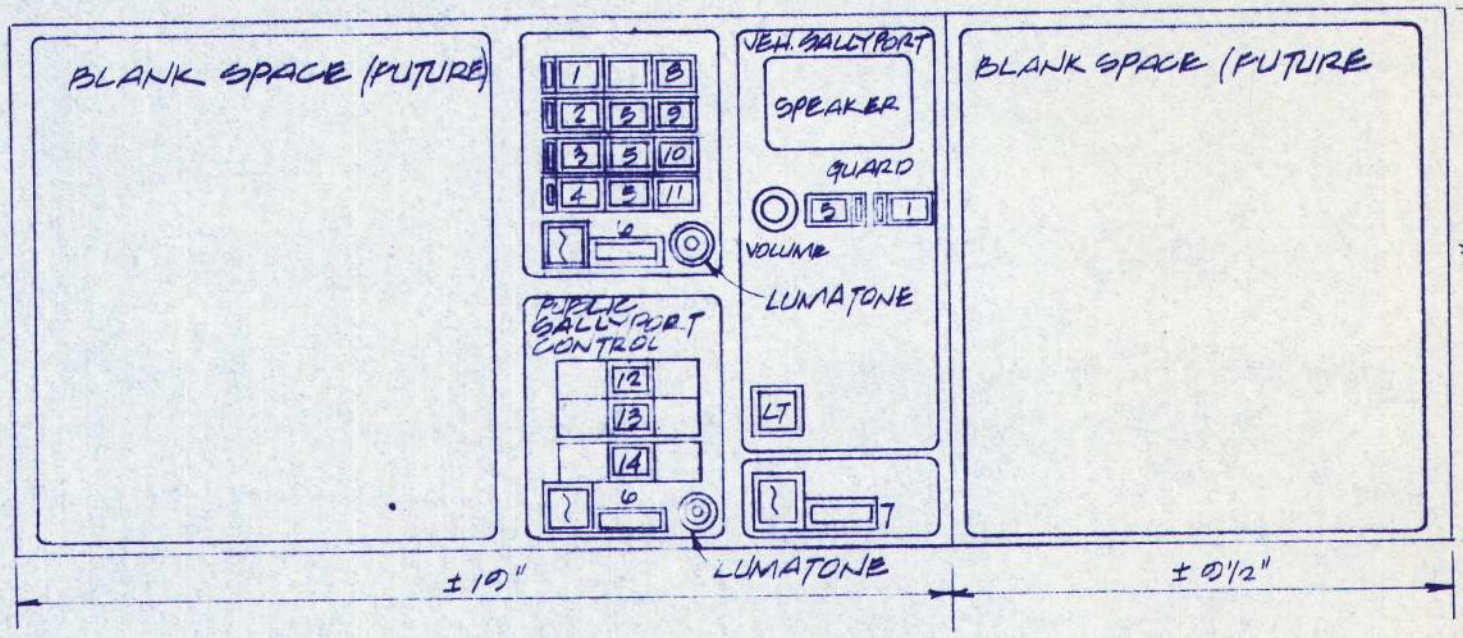


TYPICAL HANDSFREE INTERCOM RISER
NO SCALE
NOTE: EQUIPMENT CABINET ALSO HOUSES AMP FOR A SECOND H.F.I. SYSTEM BETWEEN CCR & SECURITY CORRIDOR. SPEAKER, MICROPHONE, PUSHBUTTON & WIRING REQUIREMENTS ARE IDENTICAL FOR THE SECOND H.F.I. SYSTEM.



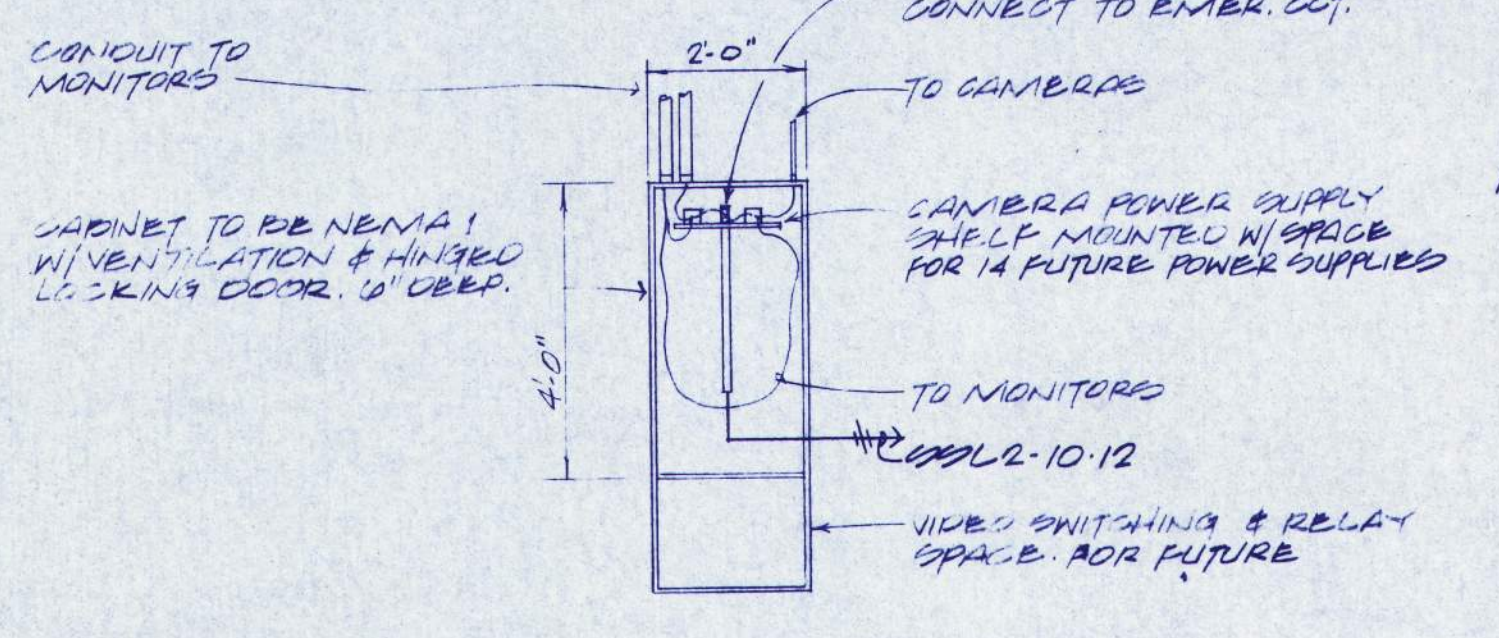
PANEL 4 RACK MOUNT IN "CCR"
NO SCALE

SWITCH	LEGEND
1	GUARDHOUSE
2	SOUTH GATE
3	NORTH GATE
4	SOUTH GATE
5	PUSH TO TALK
6	OVERRIDE
7	POWER
8	NORTH VEH. GATE
9	SOUTH VEH. GATE
10	NORTH MAN GATE
11	SOUTH MAN GATE
12	NORTH RUBIC DOOR
13	SOUTH RUBIC DOOR
14	CCR

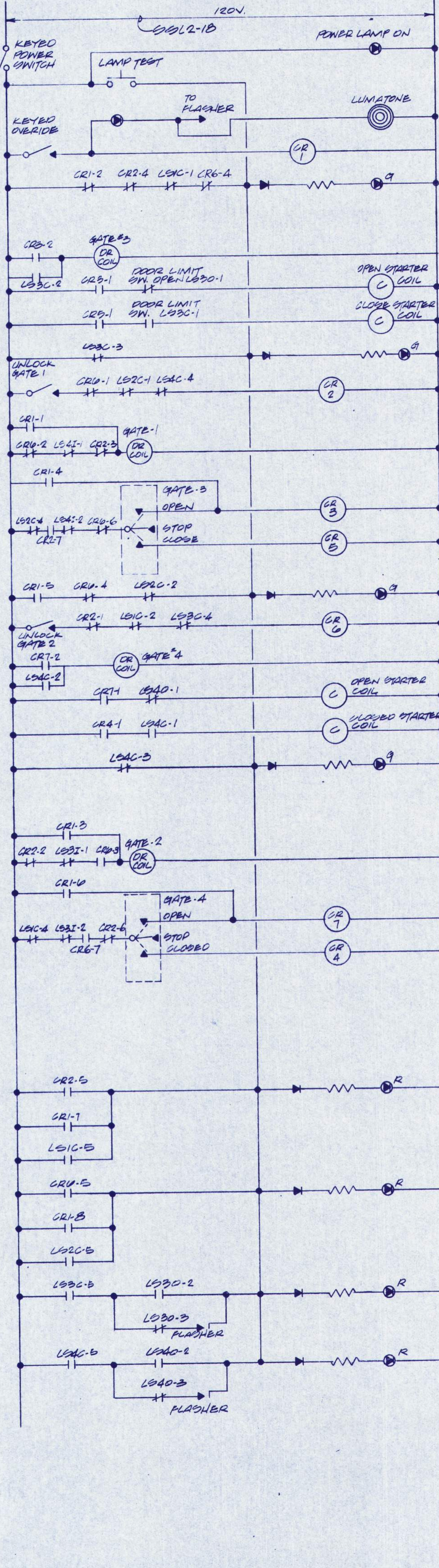


PANEL 2 DOOR CONTROL
DESK TOP IN "CCR"
NO SCALE

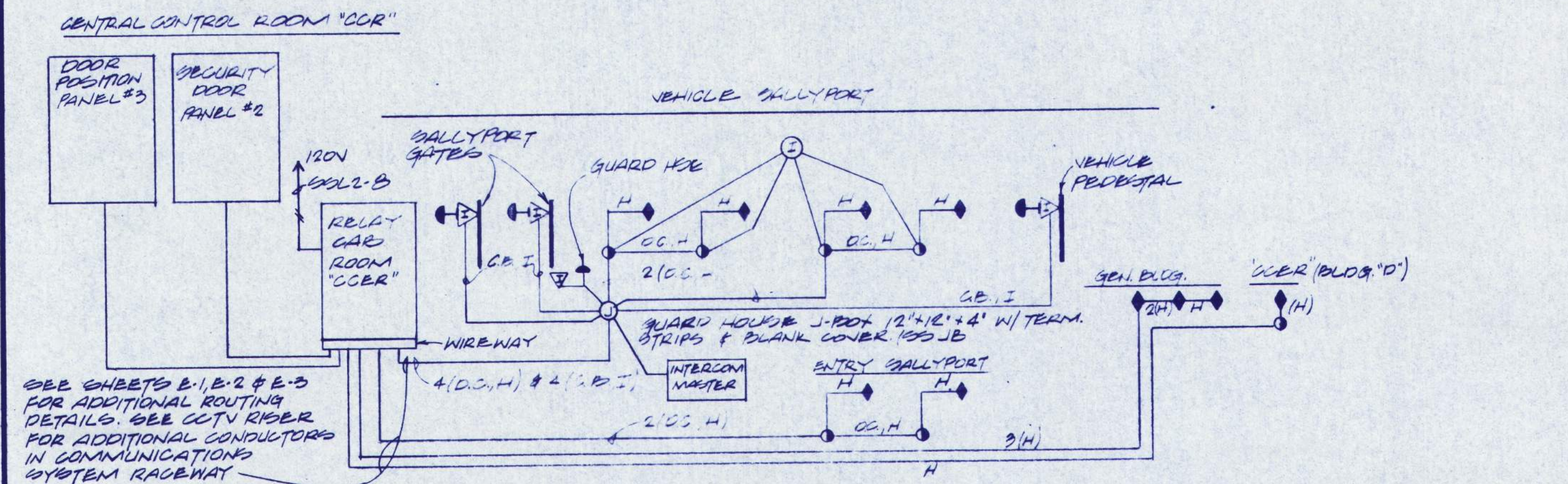
- CCTV NOTES**
1. PROVIDE GROUND ISOLATION AMPLIFIERS WHERE MORE THAN ONE CAMERA IS CONNECTED TO A SINGLE MONITOR.
 2. VIDEO SWITCHING DEVICES AND RELAYS SHALL BE HOUSED IN THE CCTV CABINET AT THE FIRST LEVEL. PROVIDE CONTROL WIRING FROM CONTROL STATIONS AND CCR PANELS IN ORDER TO ACCOMPLISH THE MONITORING FUNCTIONS AS SHOWN ON THE RISER DIAGRAM AND AS DESCRIBED IN THE SECURITY EQUIPMENT SCHEDULES AND SPECIFICATIONS.
 3. ALL CCTV CABLES SHALL BE CONTINUOUS FROM CAMERA TO POWER UNITS AND FROM POWER UNITS TO MONITORS.
 4. PROVIDE PLUGMOLD WITHIN CCR PANEL CABINETS FOR PLUG CONNECTIONS OF MONITORS. CONNECT TO EMERGENCY CIRCUITS.
 5. EXTERIOR CCTV CAMERA TO BE SYSTEM DUTY. IN EXTERIOR HOUSING #Y810H-1-B-T-H W/190C CONTROL. PROVIDE VICON #V183R RELAY.



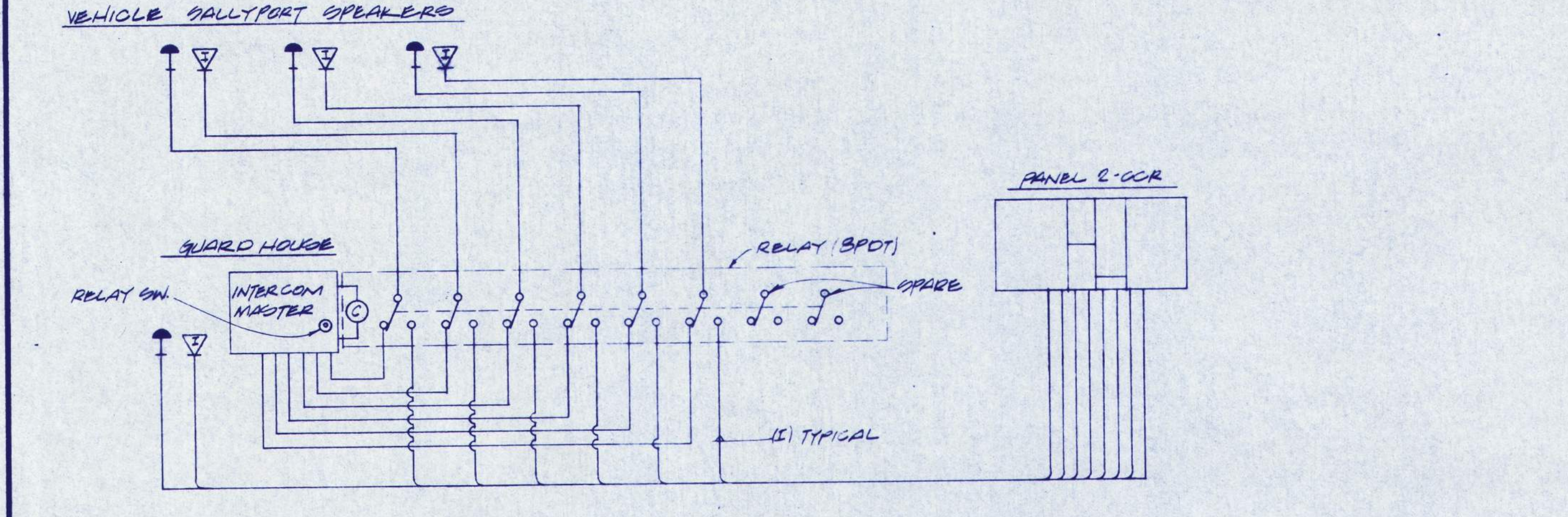
CCTV CABINET
NO SCALE



GATE INTERLOCK SCHEMATIC SALLYPORTS
NO SCALE
NOTE: GATES AT ENTRY SALLYPORT (ADJACENT TO CCR) TO OPERATE SIMILAR TO VEHICULAR GATES 3 & 4.



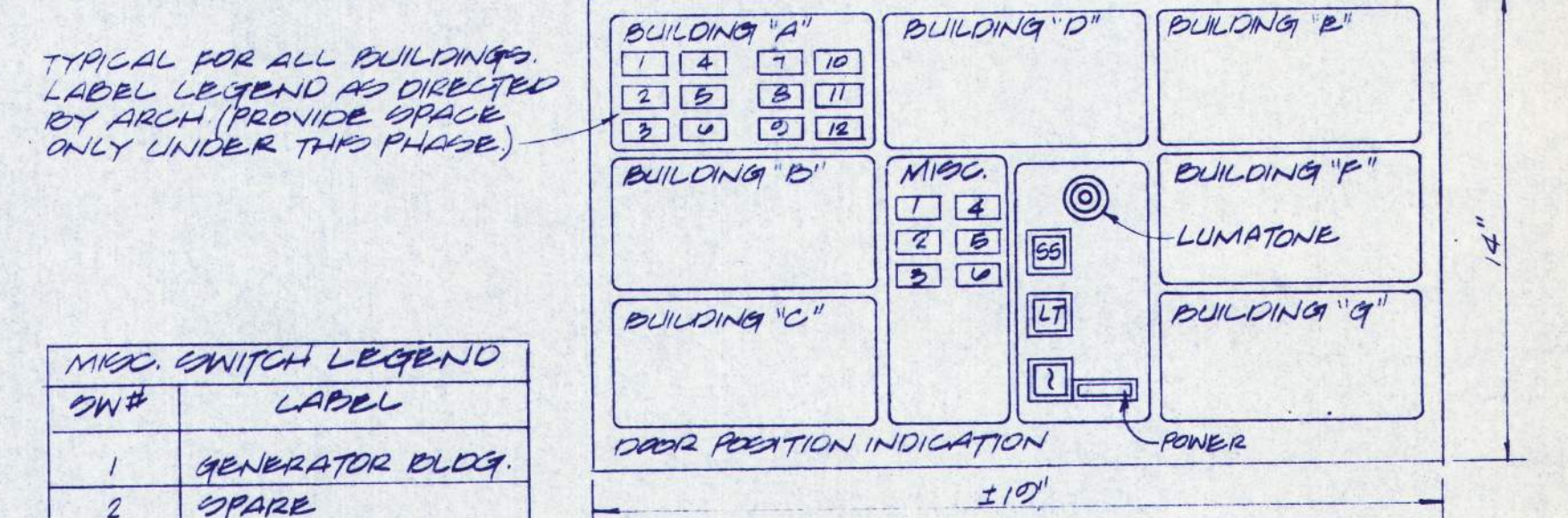
SECURITY RISER
NO SCALE



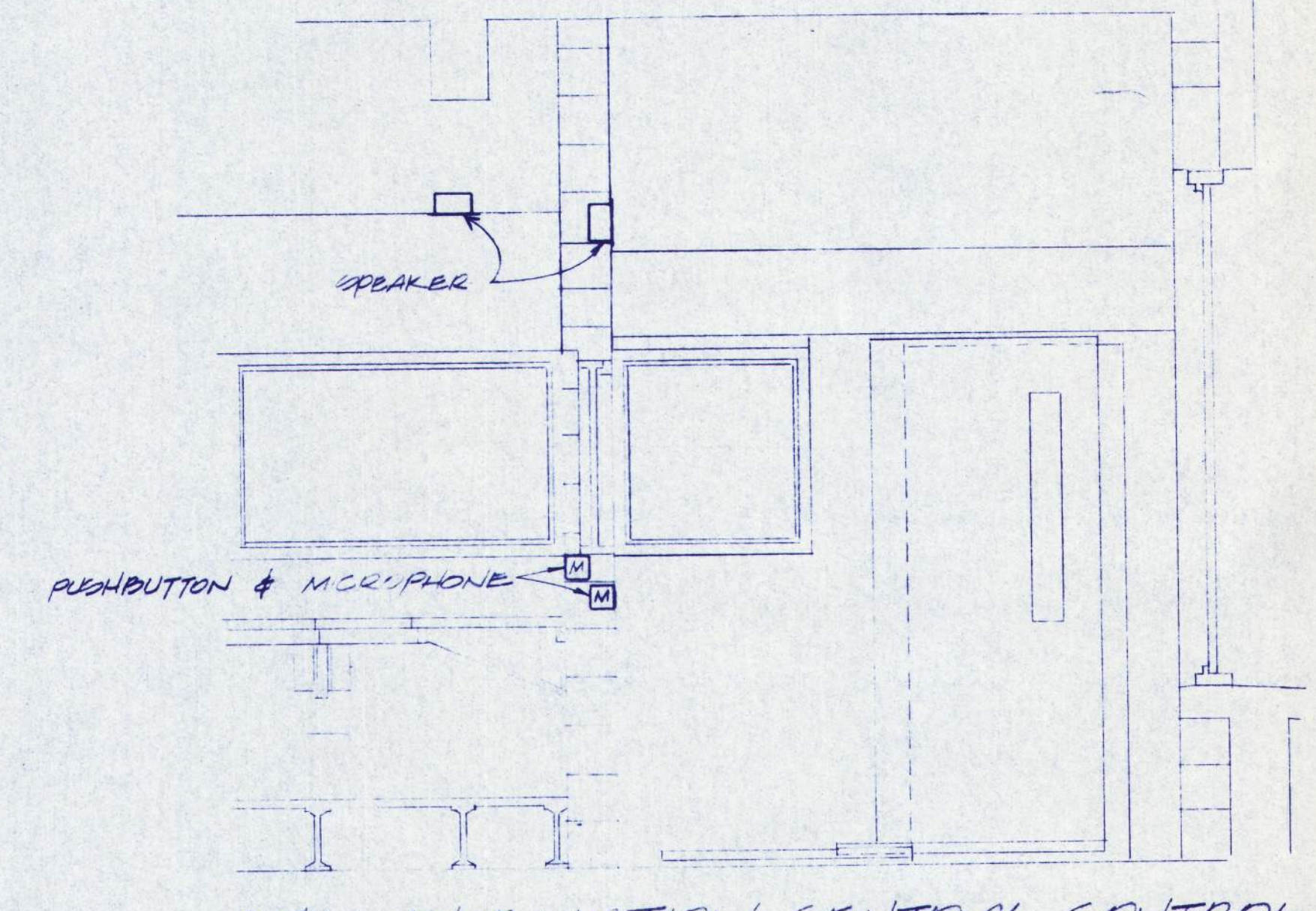
INTRA-COMMUNICATION RISER DIAGRAM
NO SCALE

CONDUCTOR SCHEDULE				
SYMBOL	DESCRIPTION	WIRE/CABLE	CATALOG NO.	REMARKS
H	DRIVE (HUNG/IN)	3#10		WHERE ONLY DOOR UNLOCK IS MONITORED 2#10
I	INTERCOM	20#20	BEIDEN #8102	
C	CALL	2#20		L.E.O. MONITOR
SL	SIGNAL LIGHT	4#12		
C.B.	CALL BUTTON	4#10		
P	POWER	2#14		
L.O.	DOOR LOCK OUT	2#20		
I.O.	INTERLOCK OVERRIDE	8#20		
D.C.	DOOR CONTROL L-10	2#20		FROM PANEL TO RELAY CABINET
D.C.		TYPE B	2#20	
D.C.		L-10	2#10	
D.C.		TYPE B	3#10	

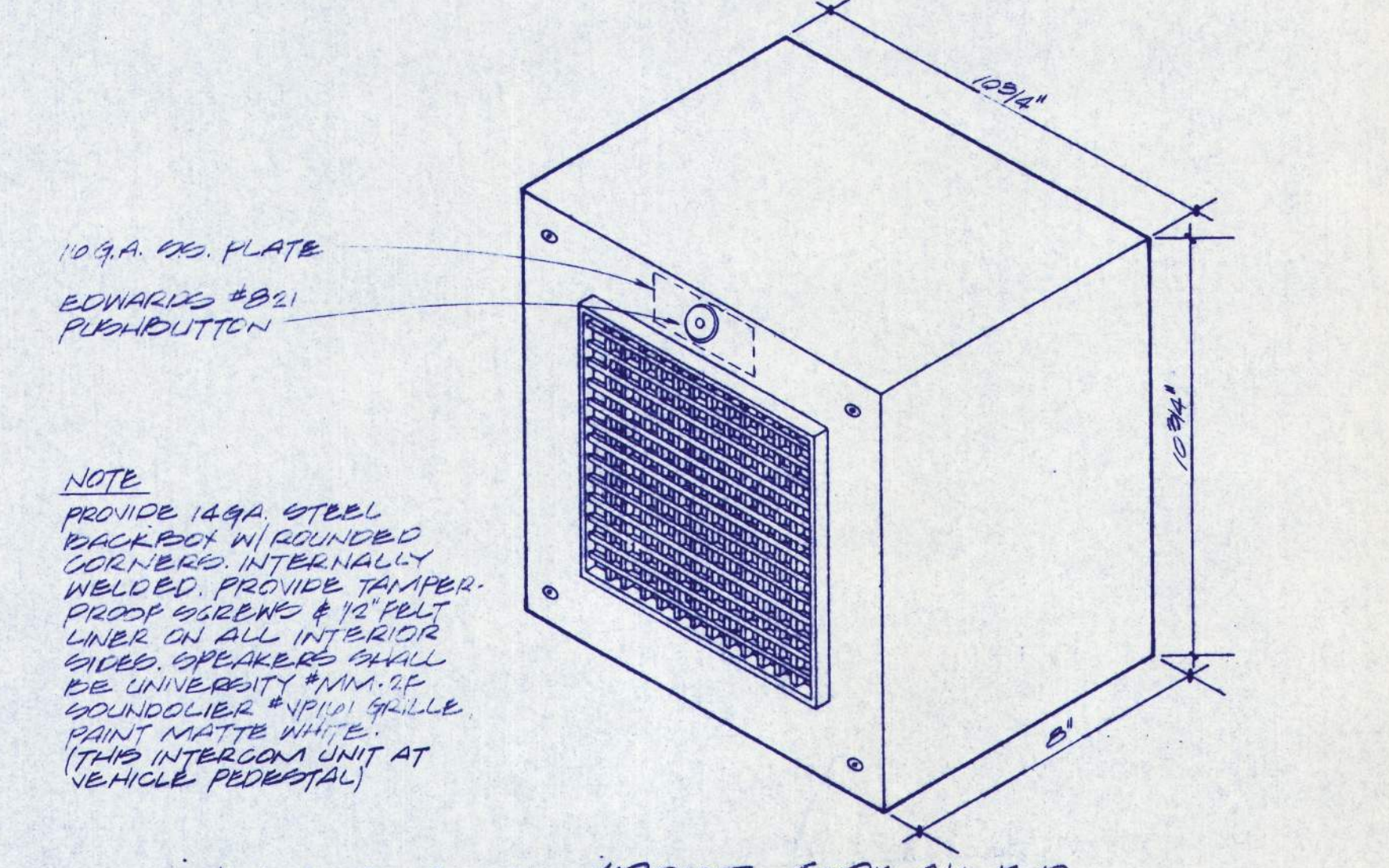
- SECURITY SYMBOLS**
- WP CCTV CAMERA - W.P. DENOTES IN HEATED WEATHERPROOF ENCLOSURE, EXT. DENOTES EXTERIOR.
 - ⊕ INTERLOCK
 - ⬢ DOOR STATUS SWITCH
 - ⬢ ELECTRIC DOOR CONTROL
 - ⬢ INTERCOM
 - ⬢ TELEPHONE
 - ⬢ PUSHBUTTON
 - ⬢ L.E.O. (LIGHT EMITTING DIODE)
 - ⬢ DIODE
 - ⊕ DOOR RELEASE SOLENOID
 - ⊕ CONTROL RELAY
 - ⊕ RELAY CONTACTS (N.O.) - # (N.C.)
 - ⊕ S.P.S.T. MOMENTARY CONTACT SWITCH
 - ⊕ RESISTOR
 - ⊕ FUSE
 - ⊕ GROUND
 - ⊕ HANDS FREE INTERCOM MICROPHONE
 - ⊕ HANDS FREE INTERCOM SPEAKER



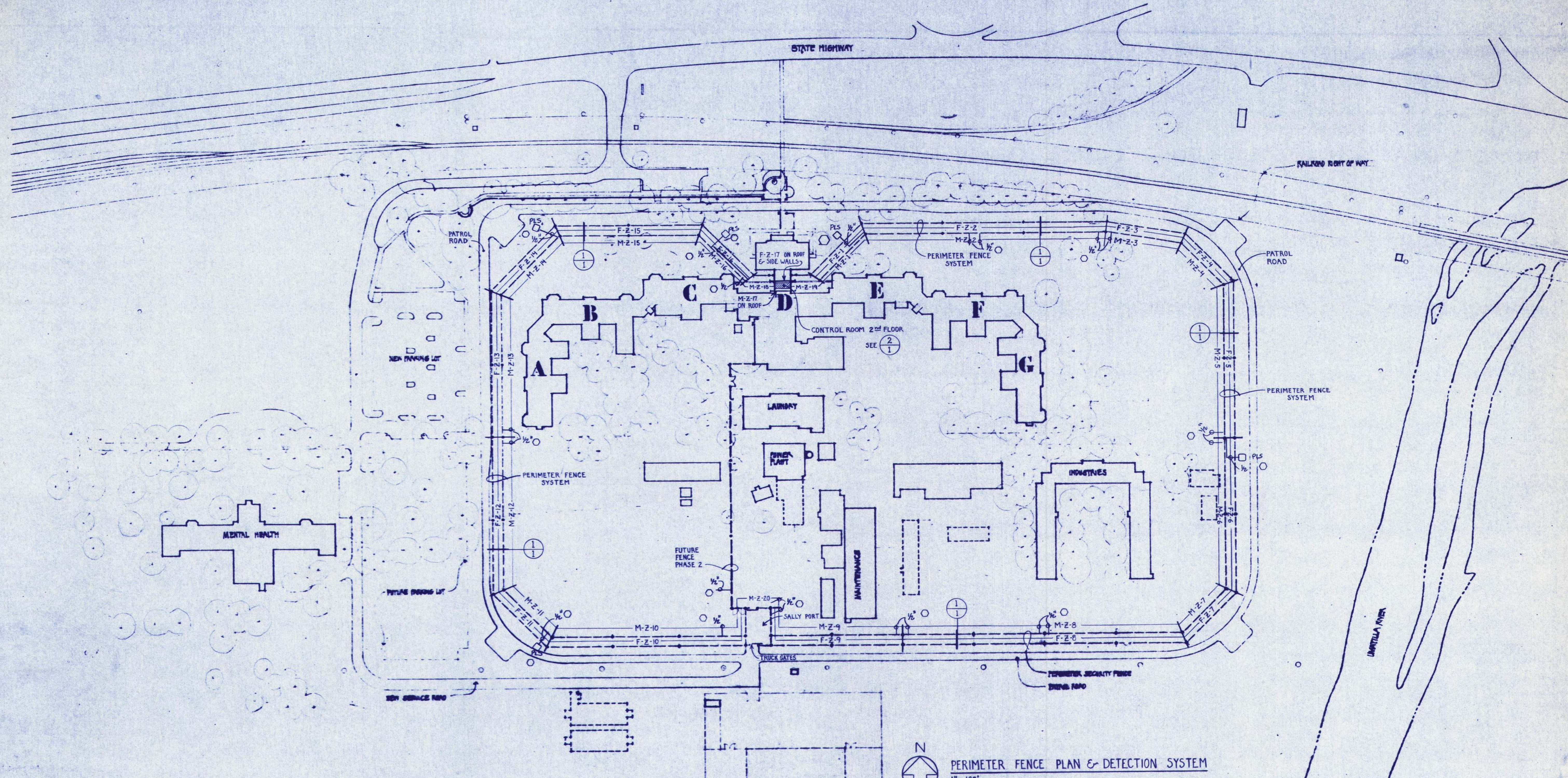
PANEL 3 DOOR POSITION
DESK TOP IN "CCR"
NO SCALE



WALL ELEVATION CENTRAL CONTROL ROOM & SALLYPORT WITH HANDS FREE INTERCOM - CCR & SECURE CORRIDOR ELEN. IS SIMILAR
NO SCALE

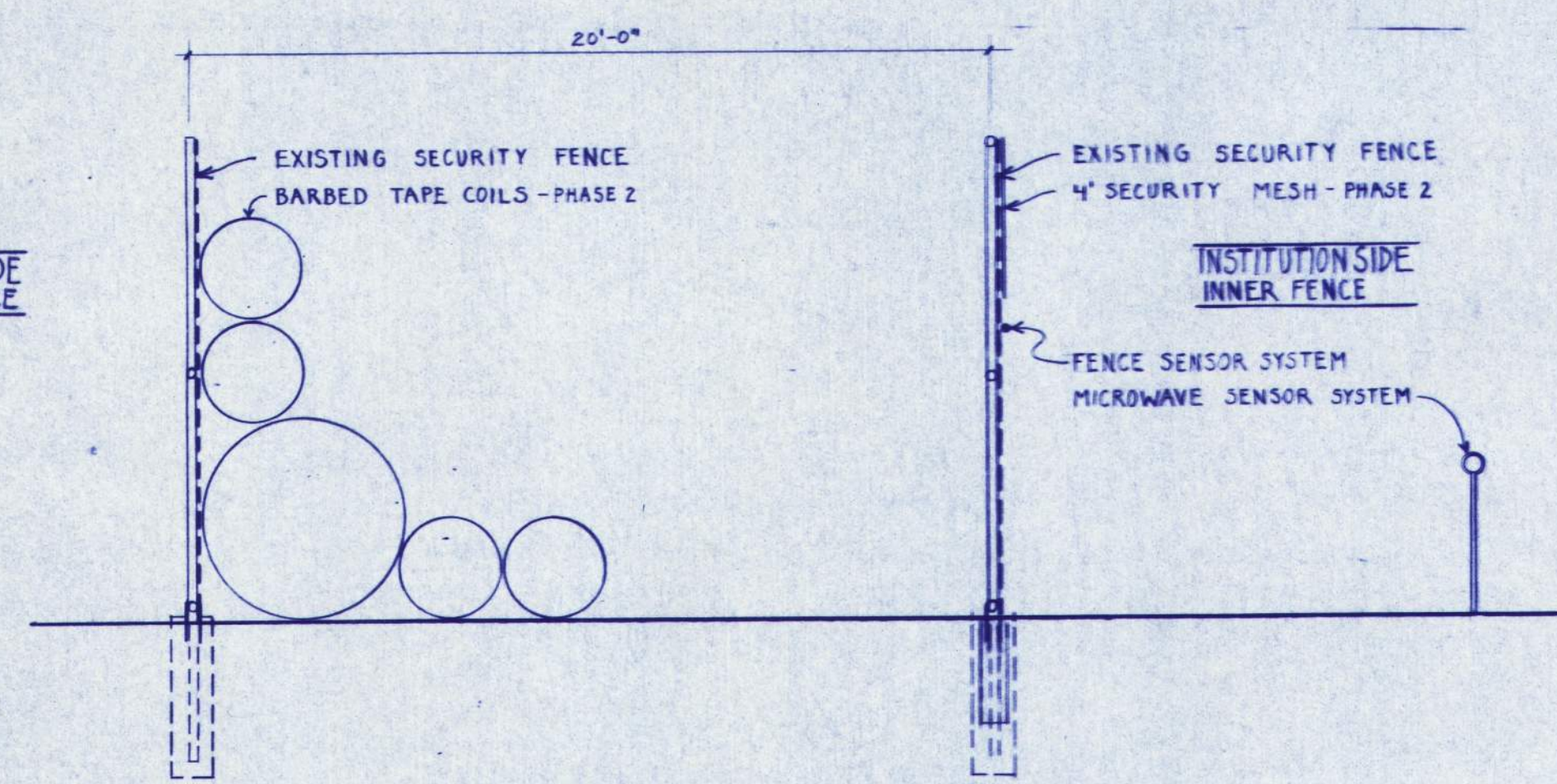


VEHICLE SALLYPORT SPEAKER BACKBOX DETAIL
NO SCALE

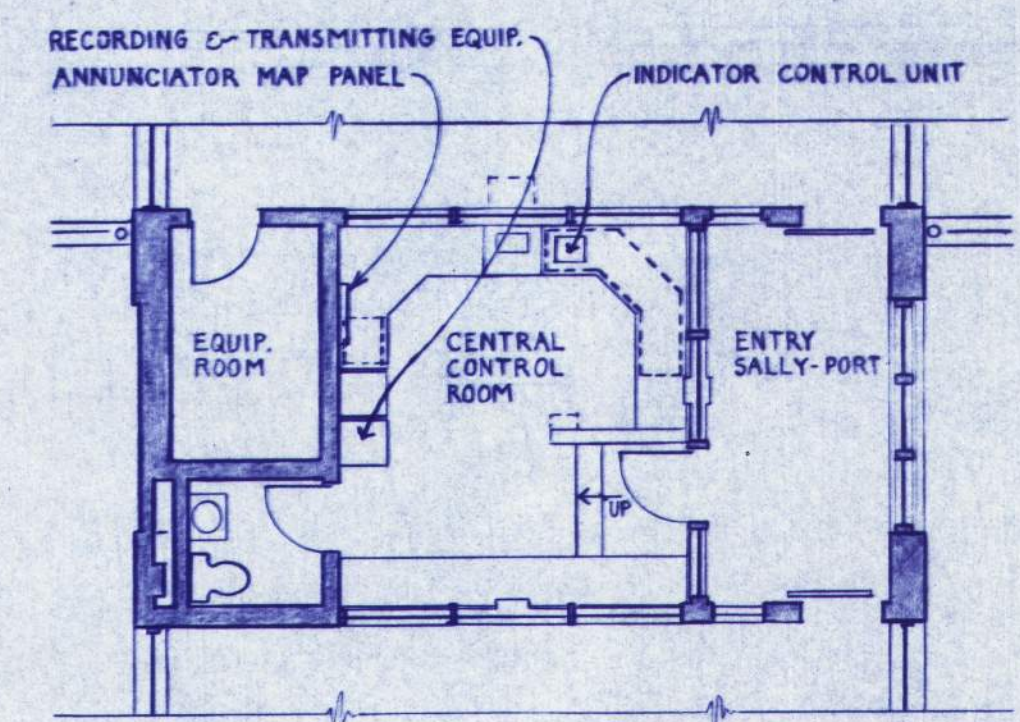


PERIMETER FENCE PLAN & DETECTION SYSTEM
 1" = 100'

LEGEND:
 M-Z-7 = MICROWAVE ZONE #7
 F-Z-2 = FENCE ZONE #2
 O CONTRACTORS AS BUILT DRAWINGS 7-11-85
 ← UNDERGROUND 1/2" CONDUIT

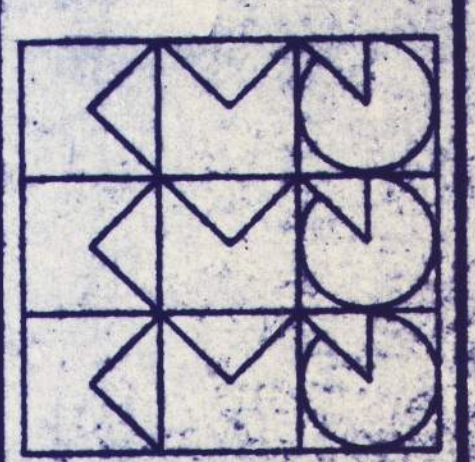


1 TYPICAL DOUBLE PERIMETER SECURITY FENCE
 1/4" = 1'-0"



2 CENTRAL CONTROL ROOM - PHASE 2
 1/8" = 1'-0"

EASTERN OREGON CORRECTIONAL INSTITUTION
 PENDLETON, OREGON
WEGROUP PC / ARCHITECTS & PLANNERS
 PHASE 2a



APPROVED JVS
 DRAWN JVS
 DATE 19 JULY 1984
 JOB 841