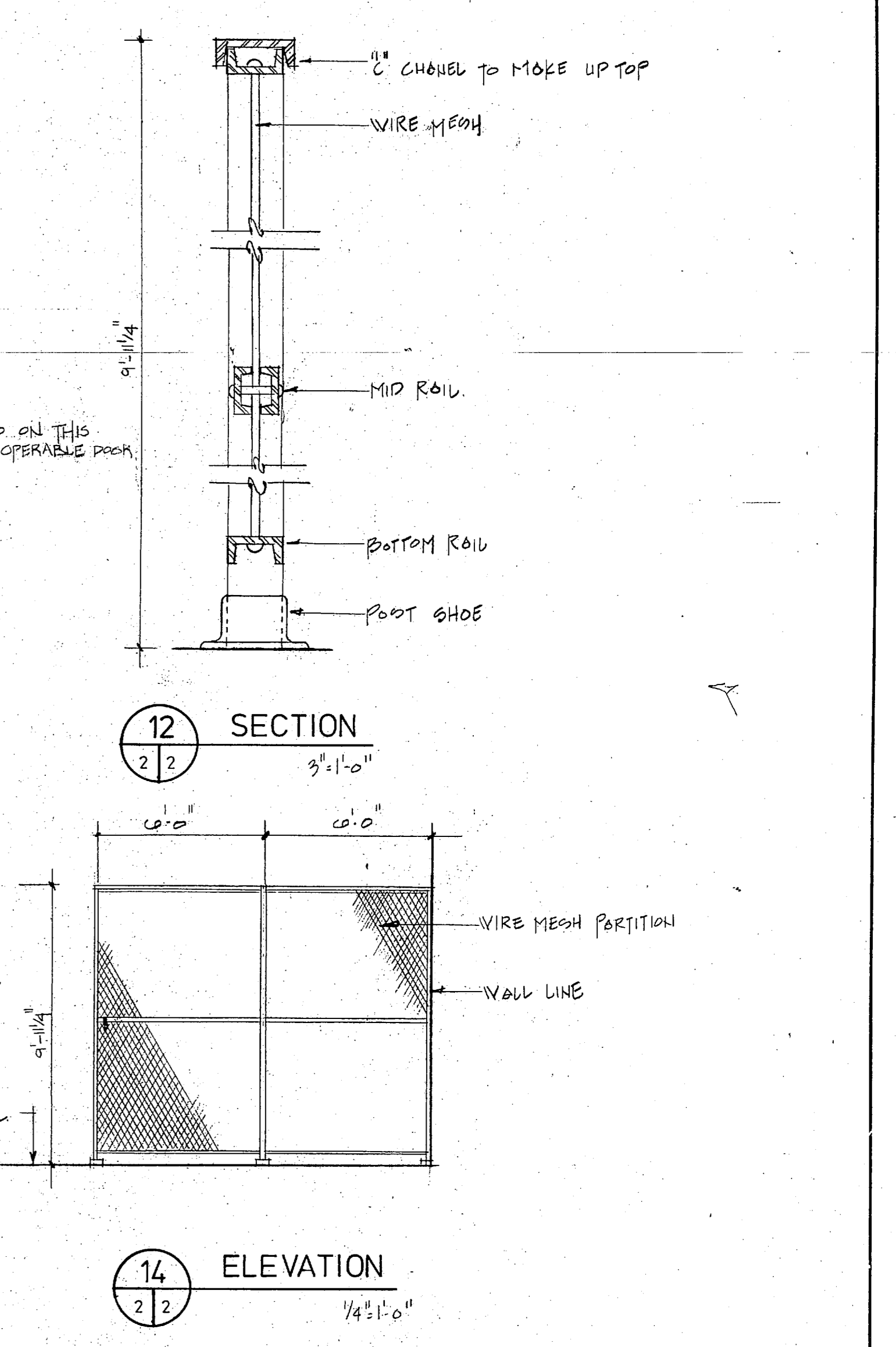
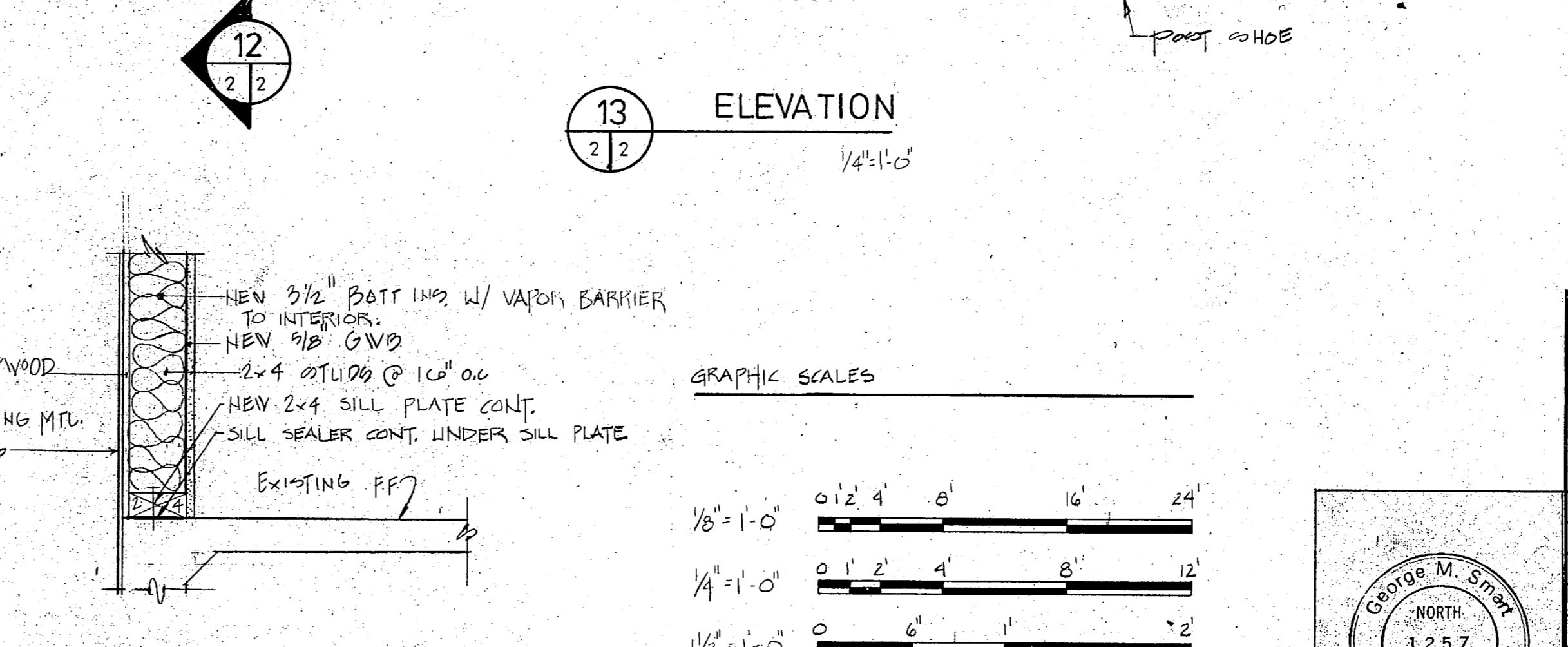
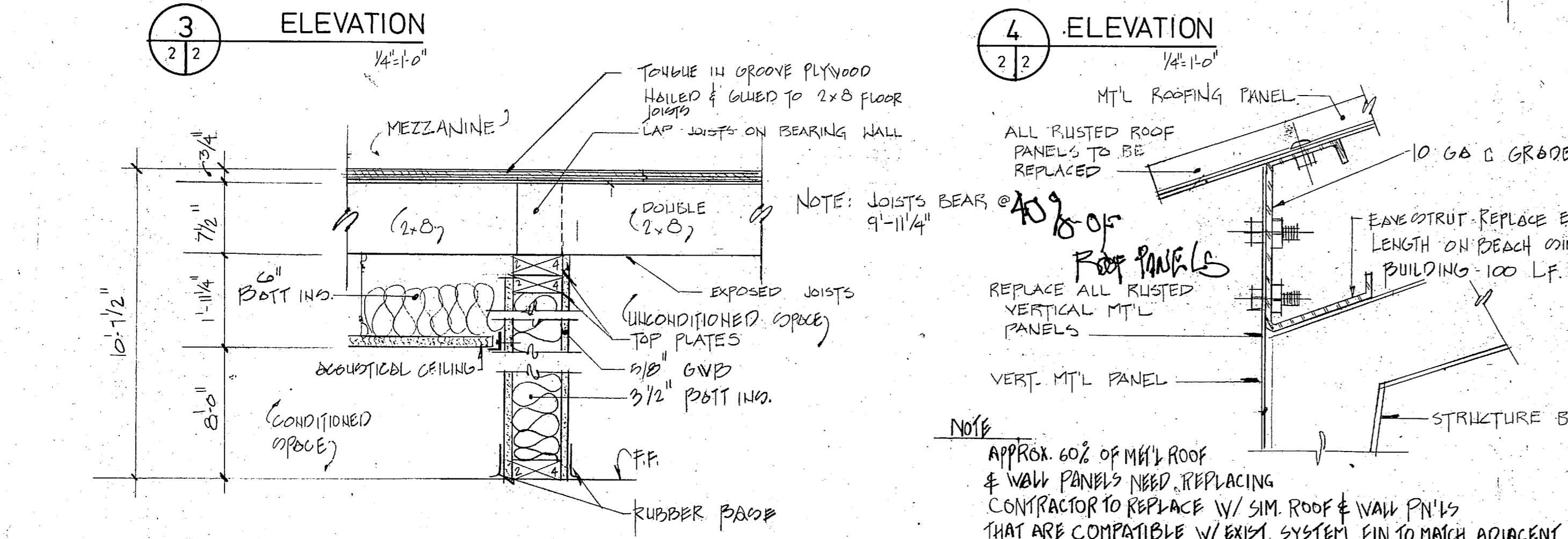
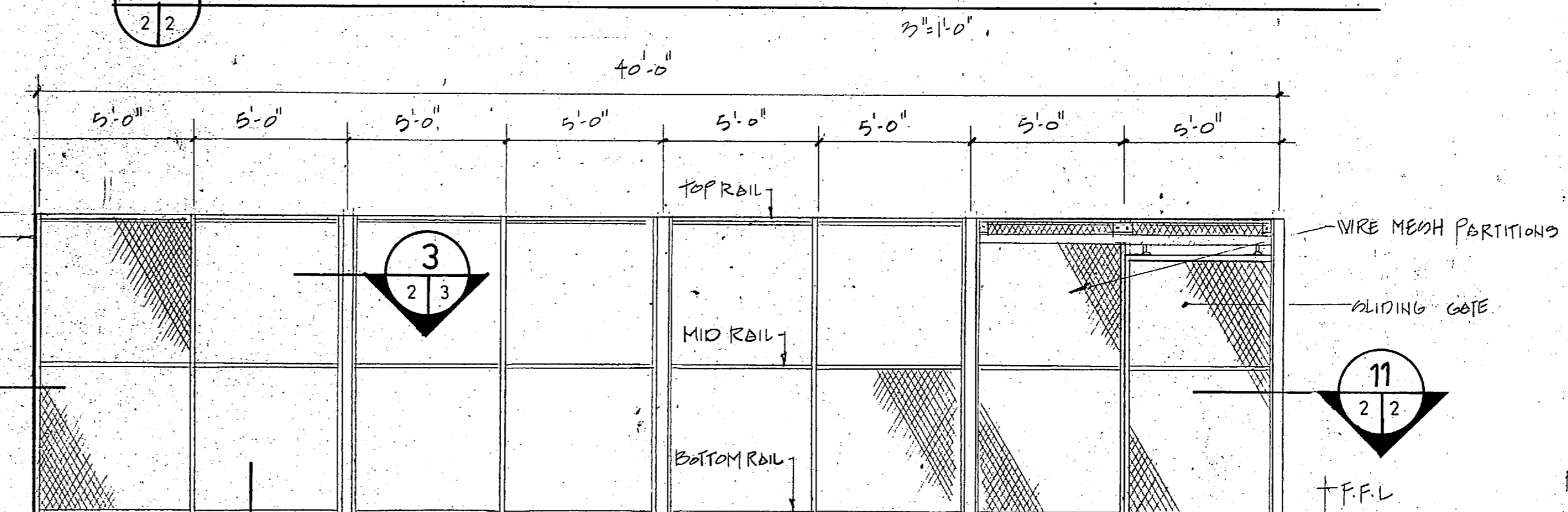
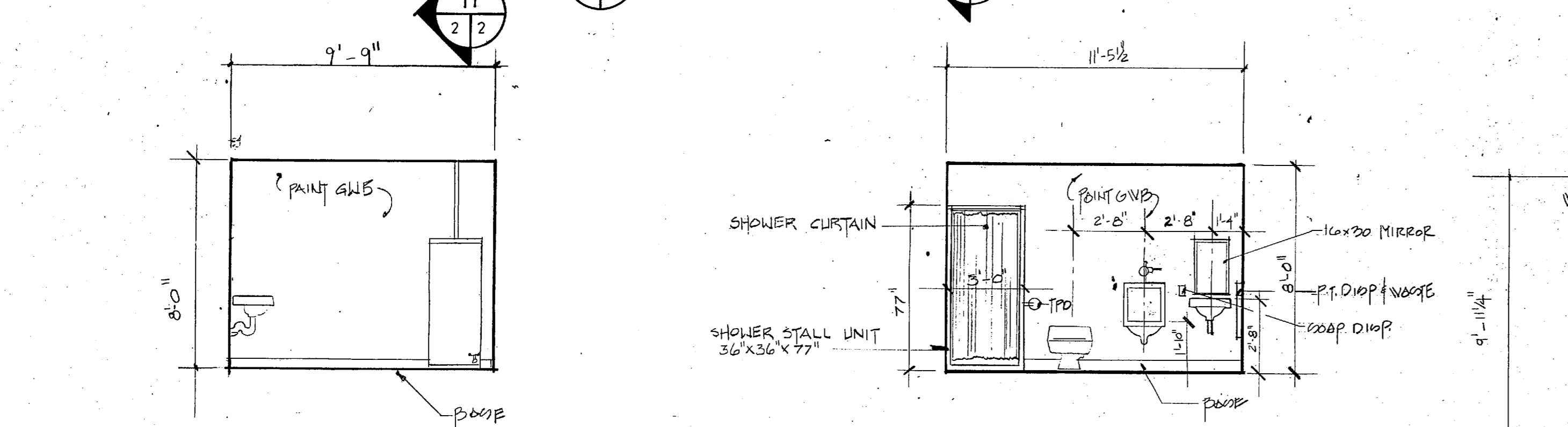
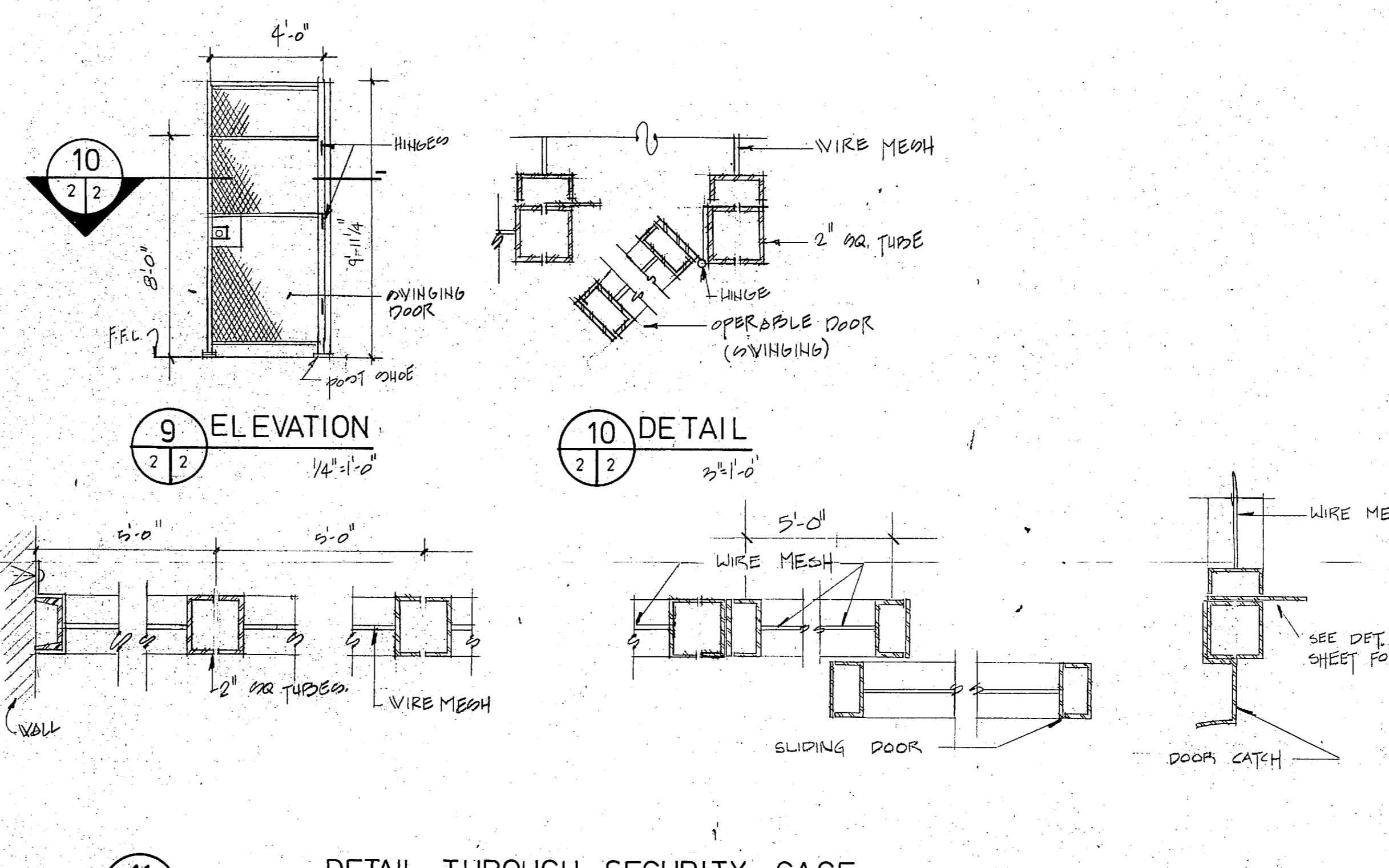
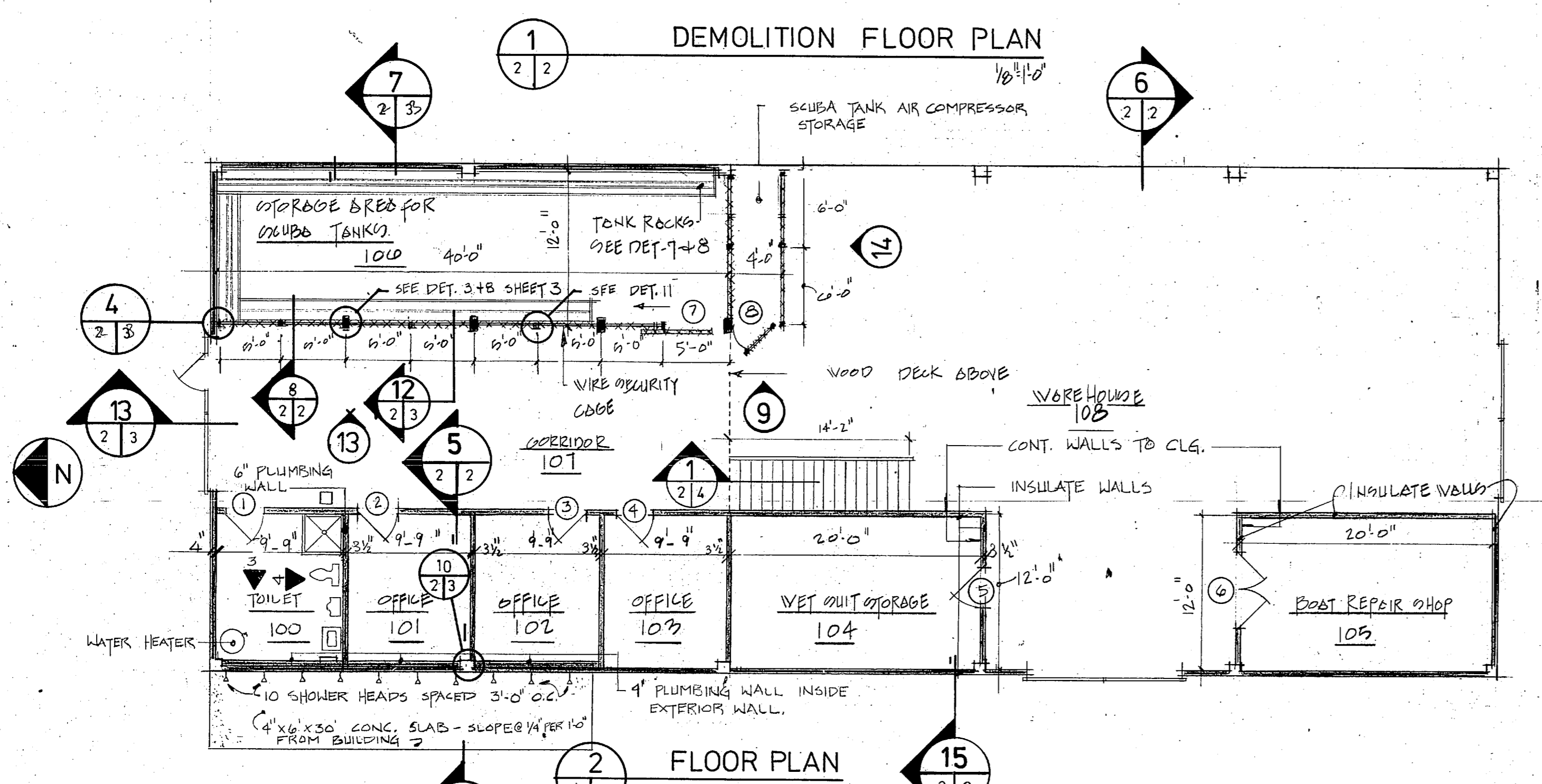
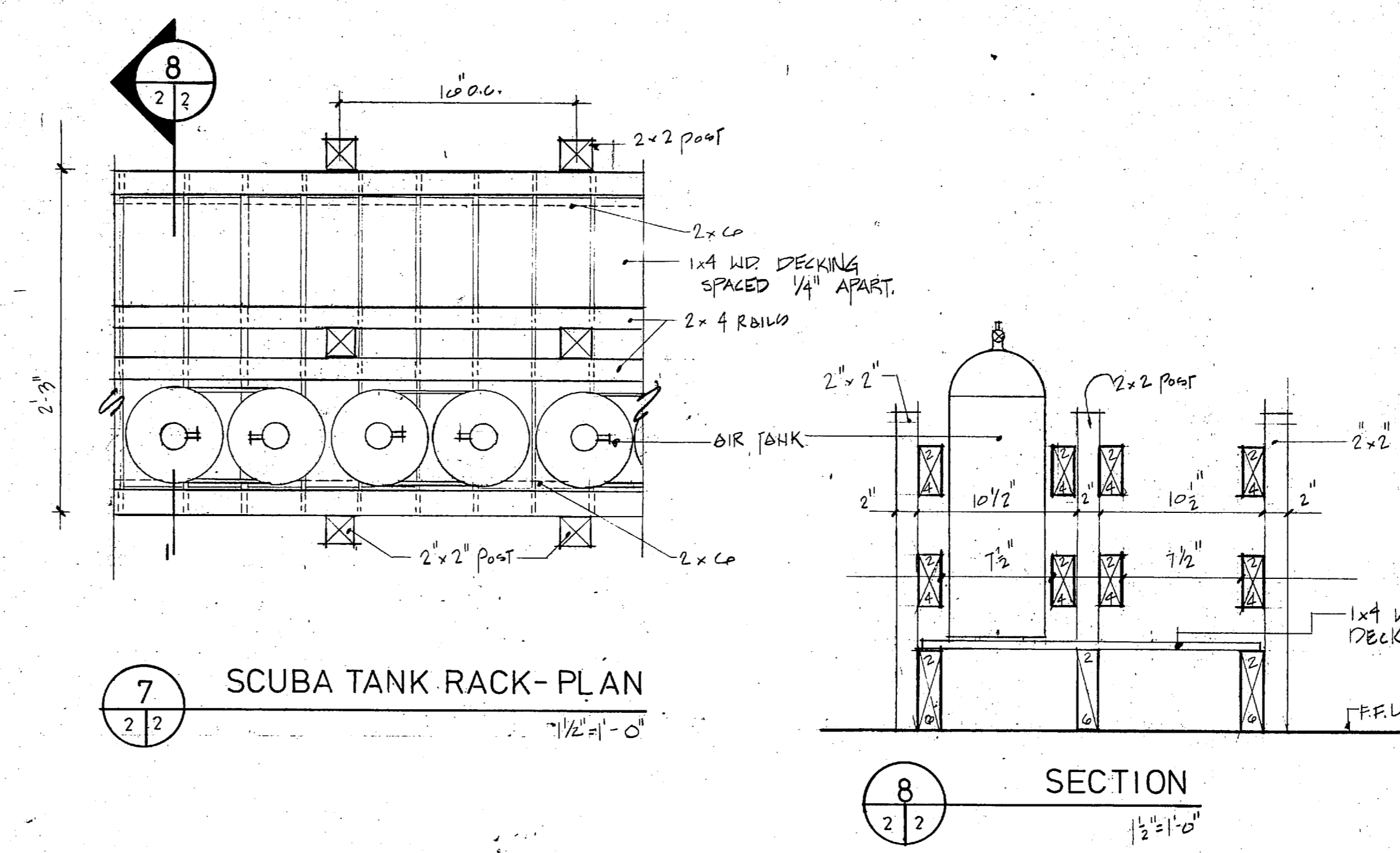
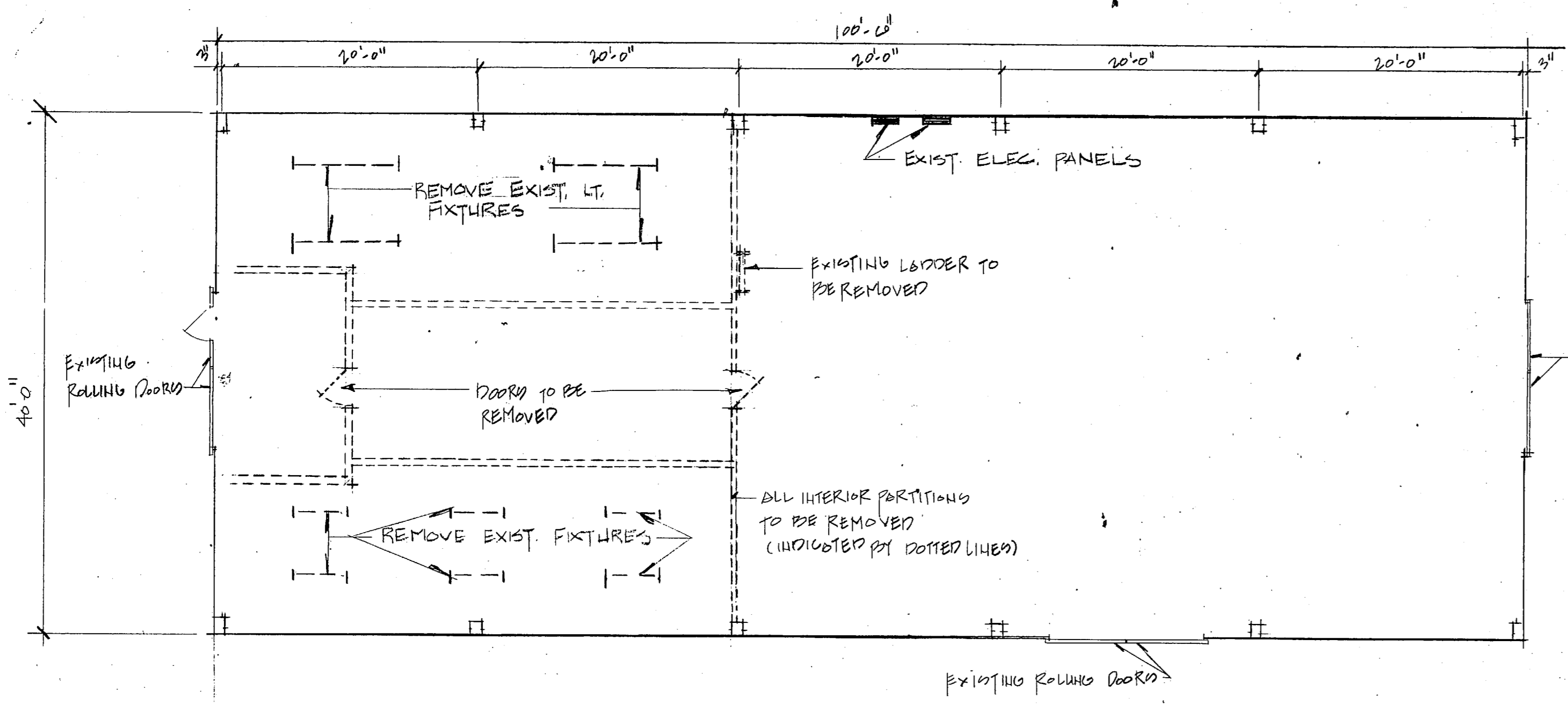


REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

ROOM FINISH SCHEDULE								
NO.	ROOM	FLOOR	BASE	WAIN.	WALL	CEILING	HT.	REMARKS
101	TOILET	CONC. ON	RUBBER	-	PUT	CONC.	8'	
102	OFFICE	-	-	-	-	-	8'	
103	OFFICE	-	-	-	-	-	8'	
104	VEHICULT	-	-	-	-	-	8'	
105	REPAIR	-	-	-	-	-	8'	
106	STORAGE	-	-	-	-	-	8'	
107	CORRIDOR	-	-	-	-	-	10'	
108	WAREHOUSE	-	-	-	-	-	EXIST.	
109	STAIRWAY	-	-	-	-	-	7'	



2

GEORGE M. SMART ARCHITECTS, INC.
RALEIGH, NORTH CAROLINA

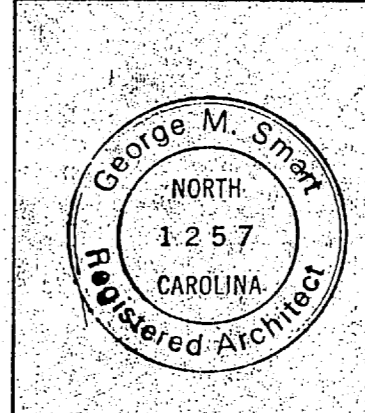
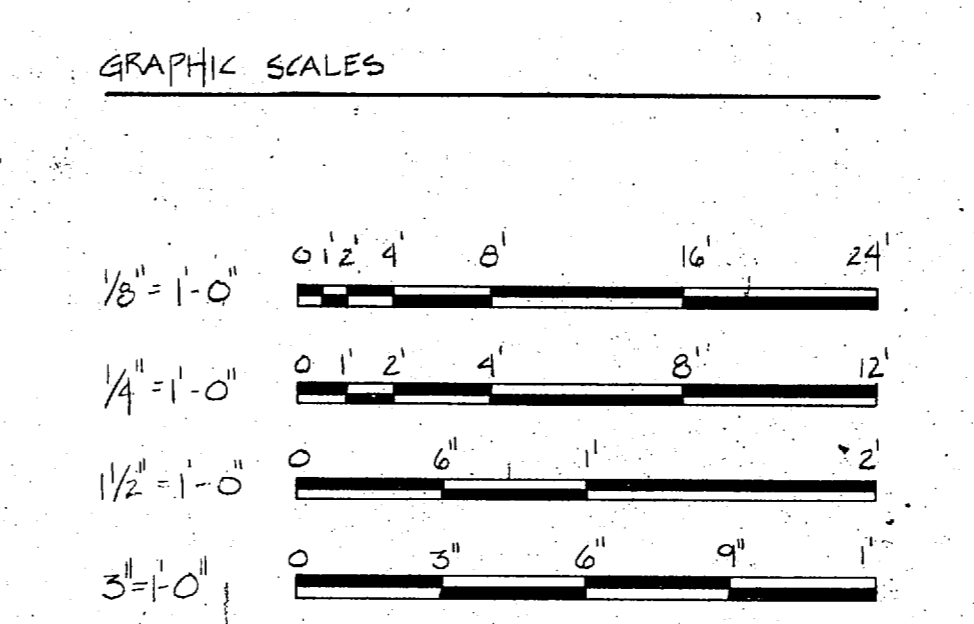
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

RENOVATE BLDG. M-166
DEMOLITION, FLOOR PLAN & DETAILS

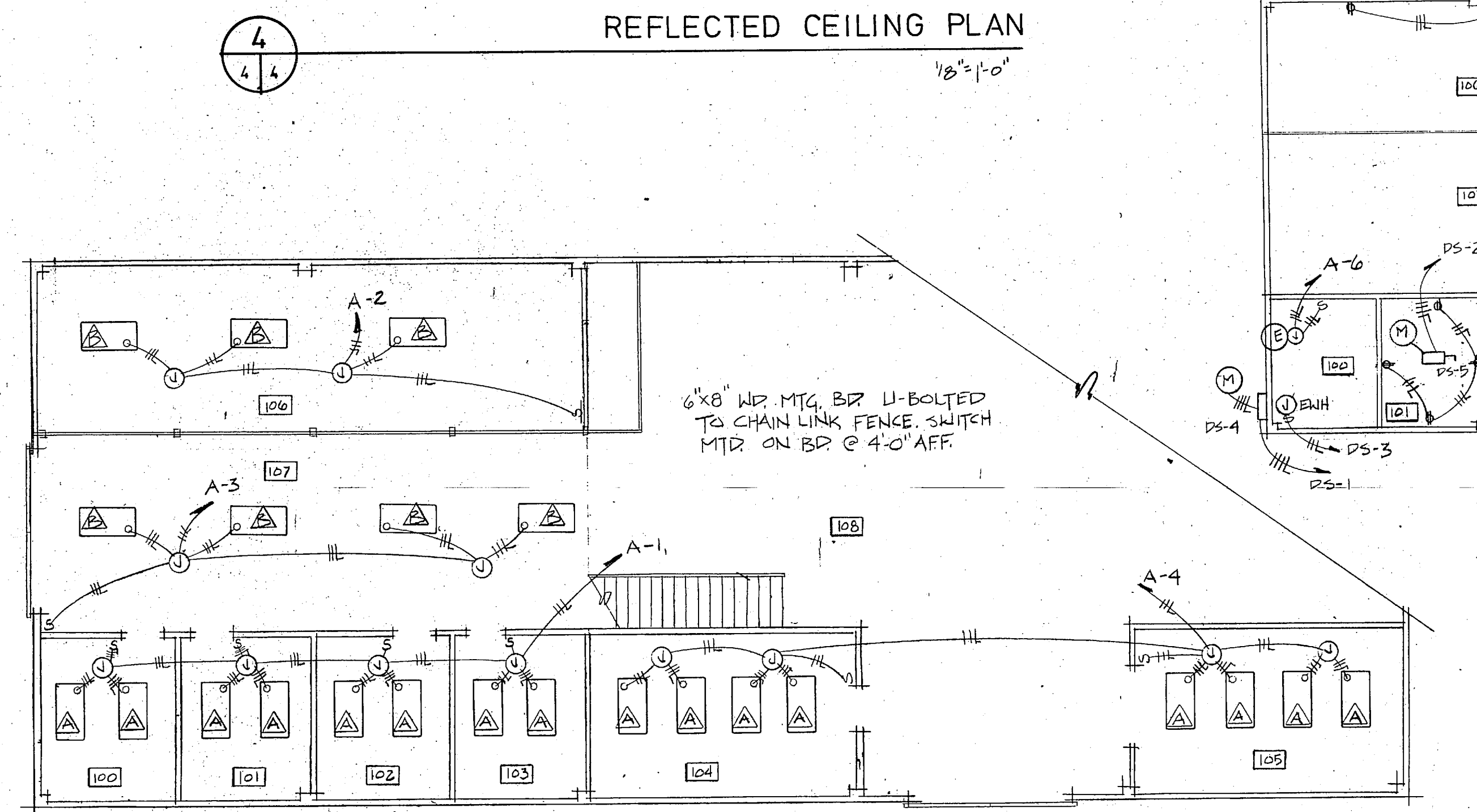
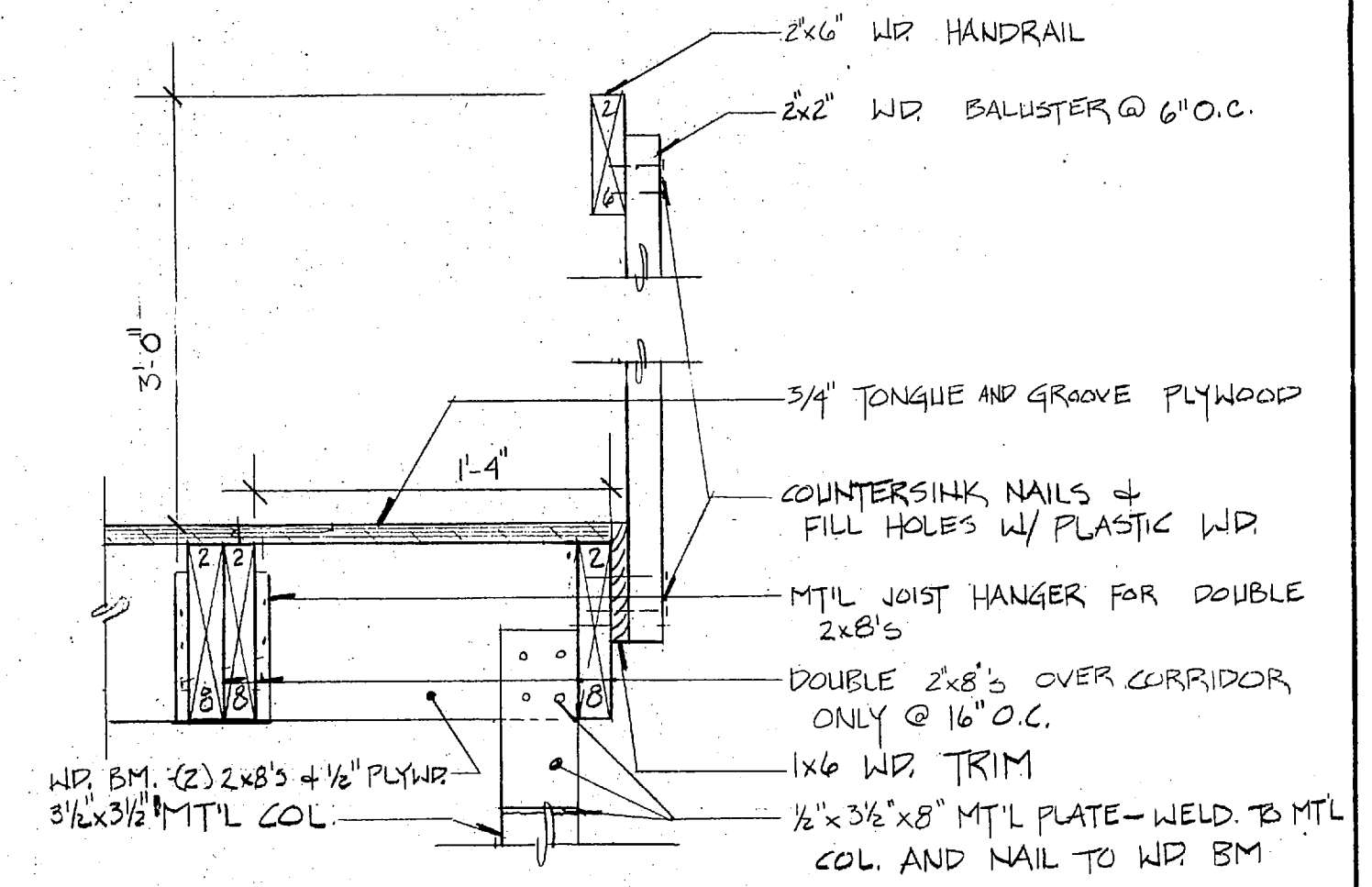
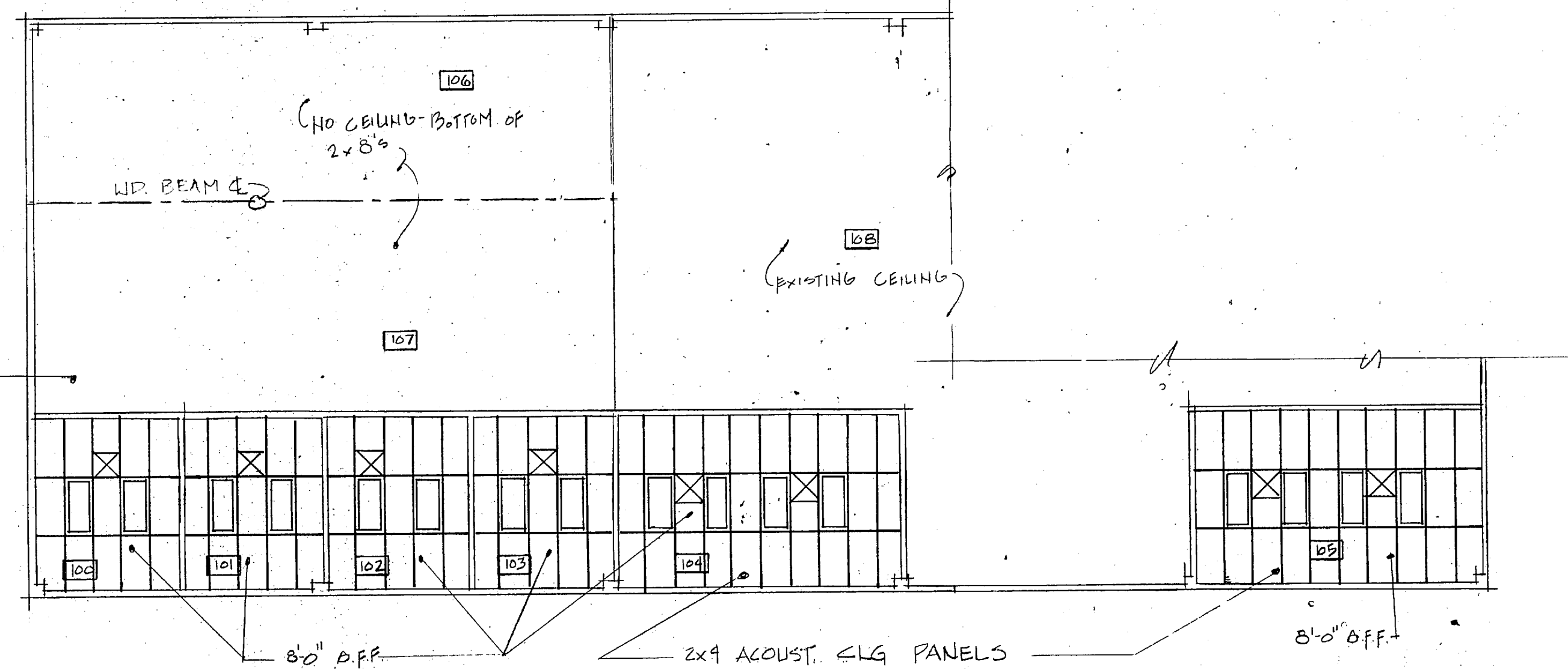
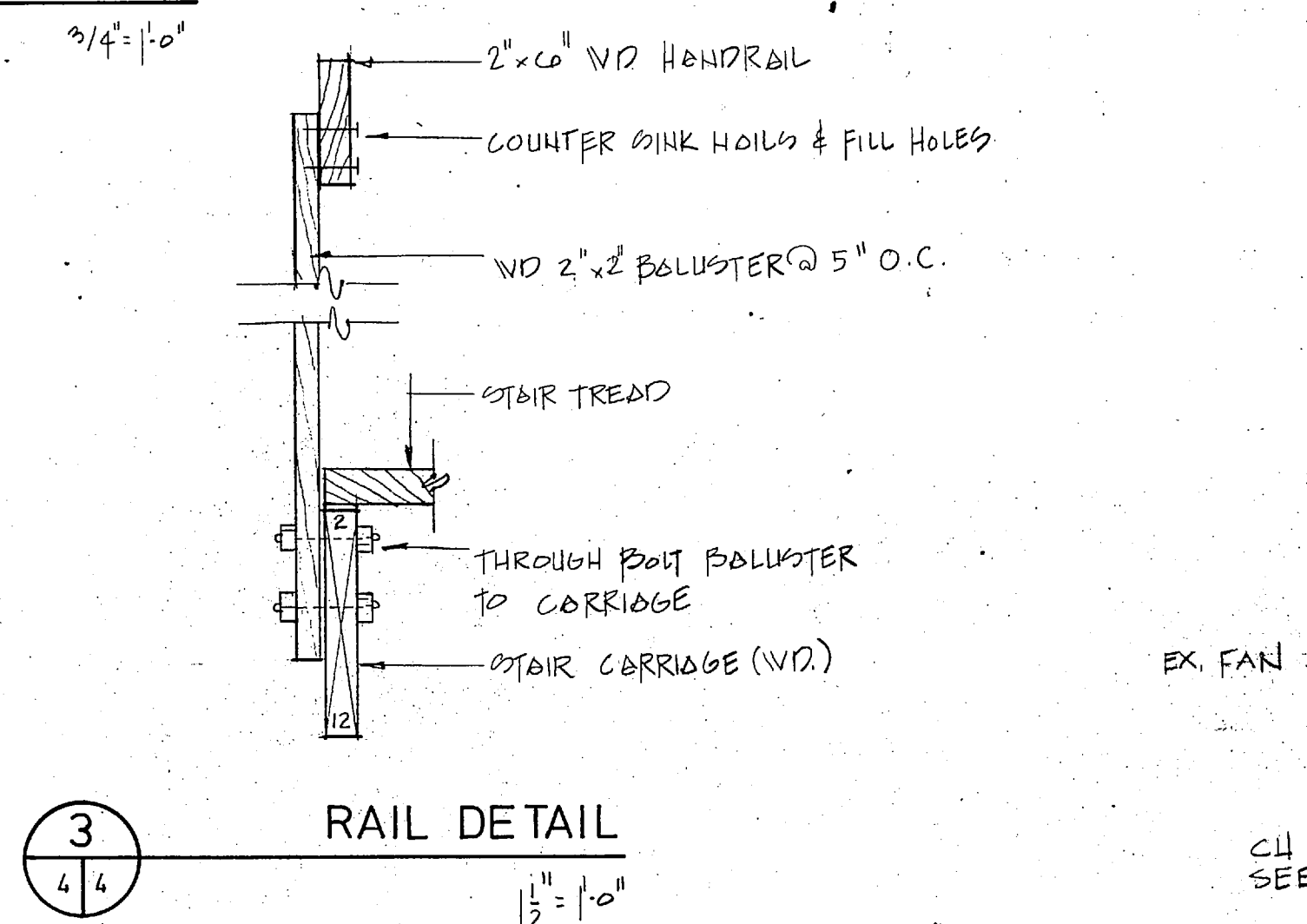
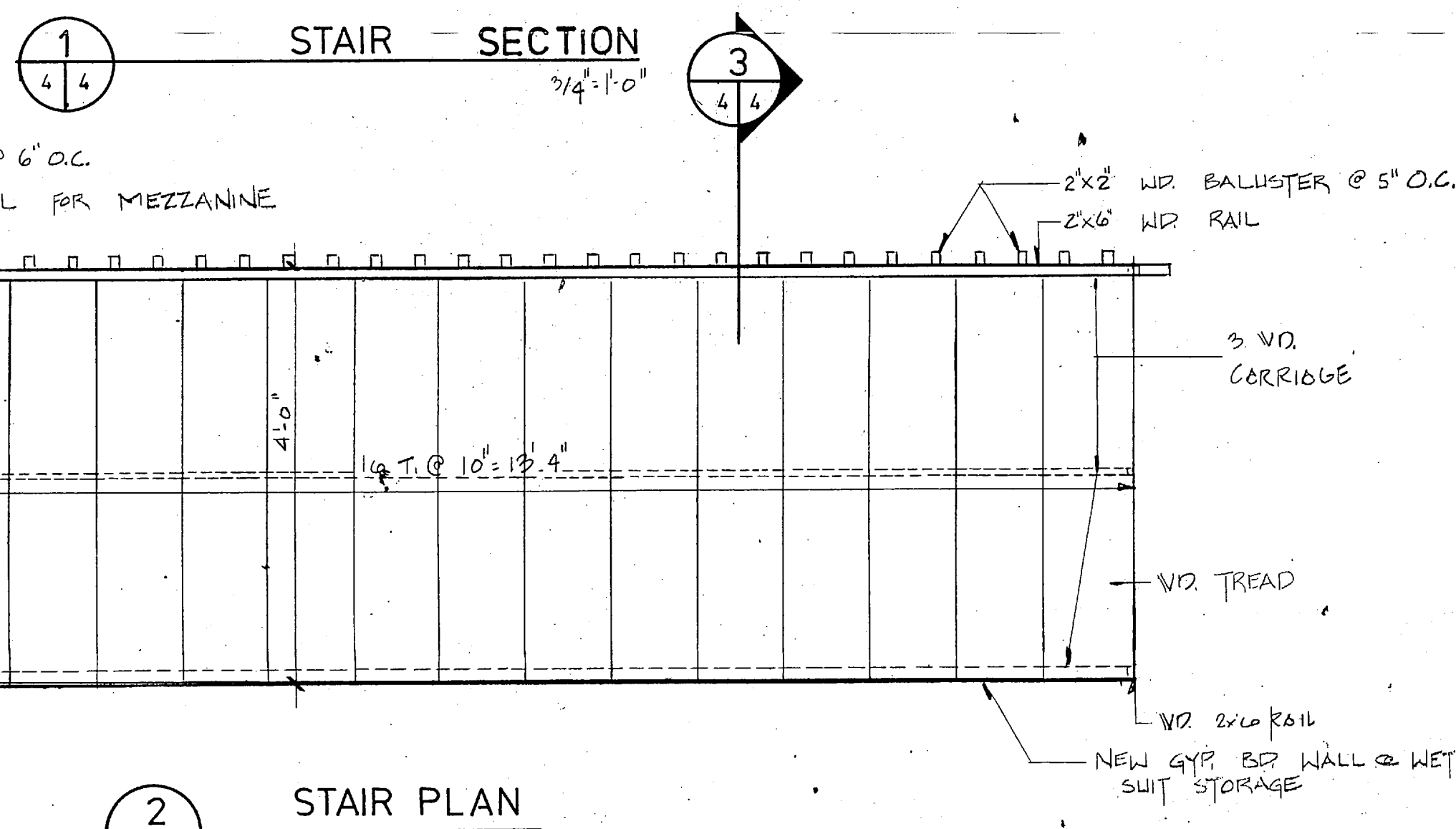
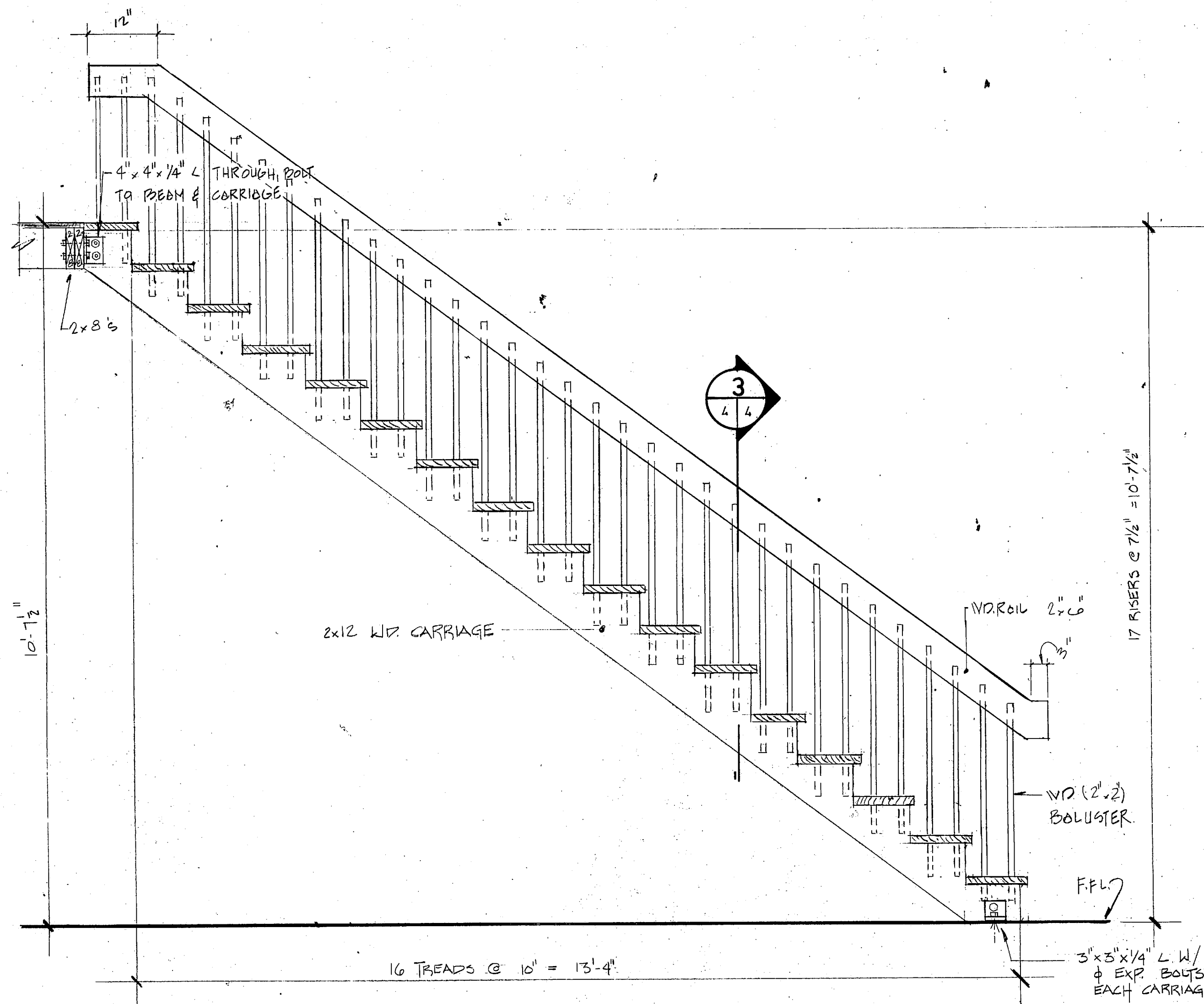
DES. L.V.D.
DR. D.B. BROWN
CHK. L.V.D.
SUBMITTED BY:
DESIGN DIR.
APPROVED: P.W.D. OR DIC
DATE: _____
SATISFACTORY TO: _____ DATE: _____

SCALE: NOTED SPEC. 05-86-5441 SHEET 2 OF 20

NAVFAC DRAWING NO. 4152560
CONSTR. CONTR. NO. N52470-86-B-5441



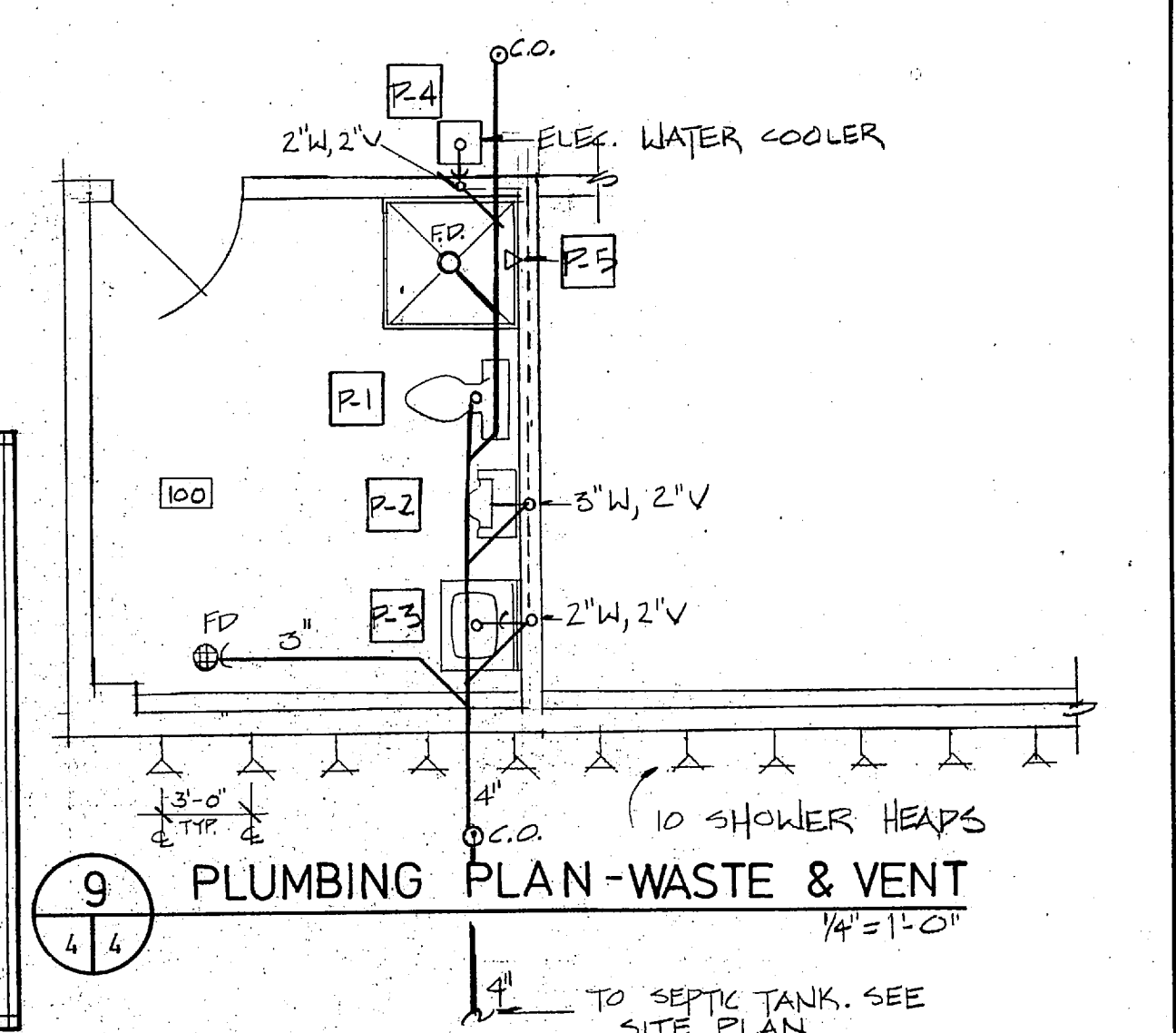
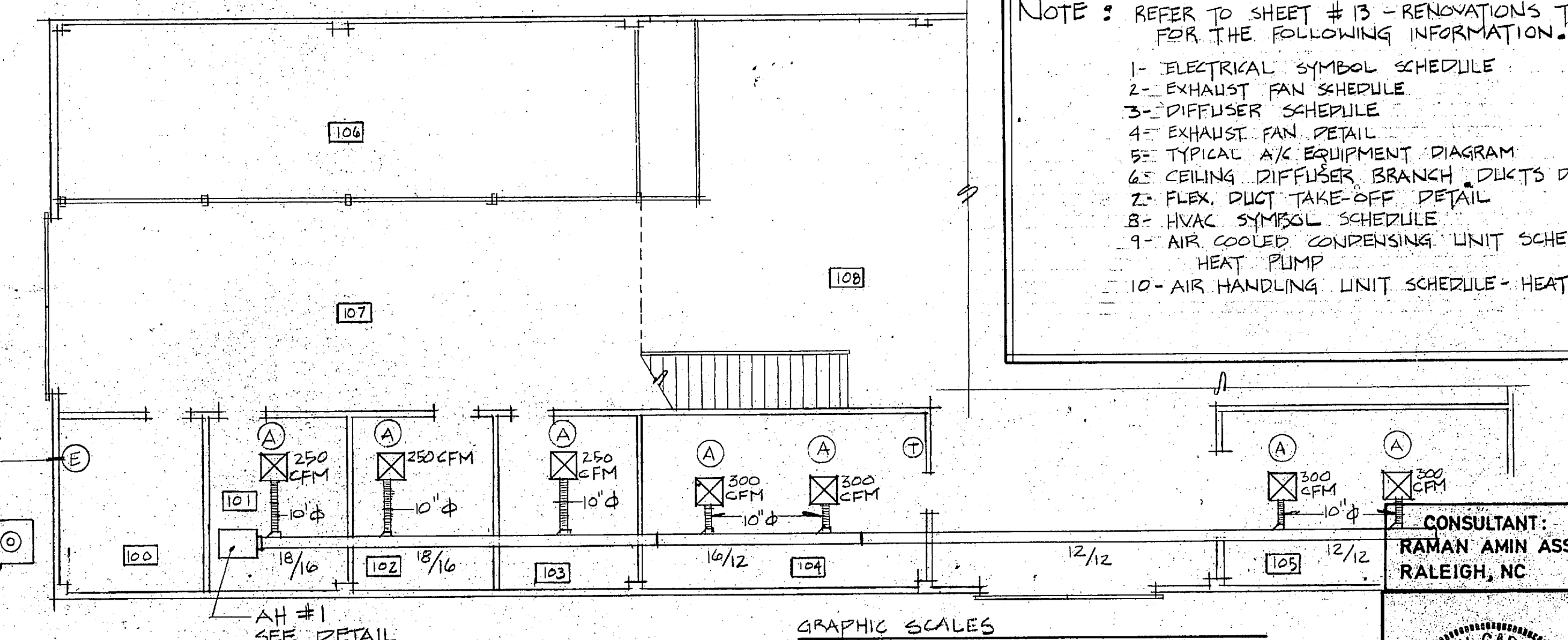
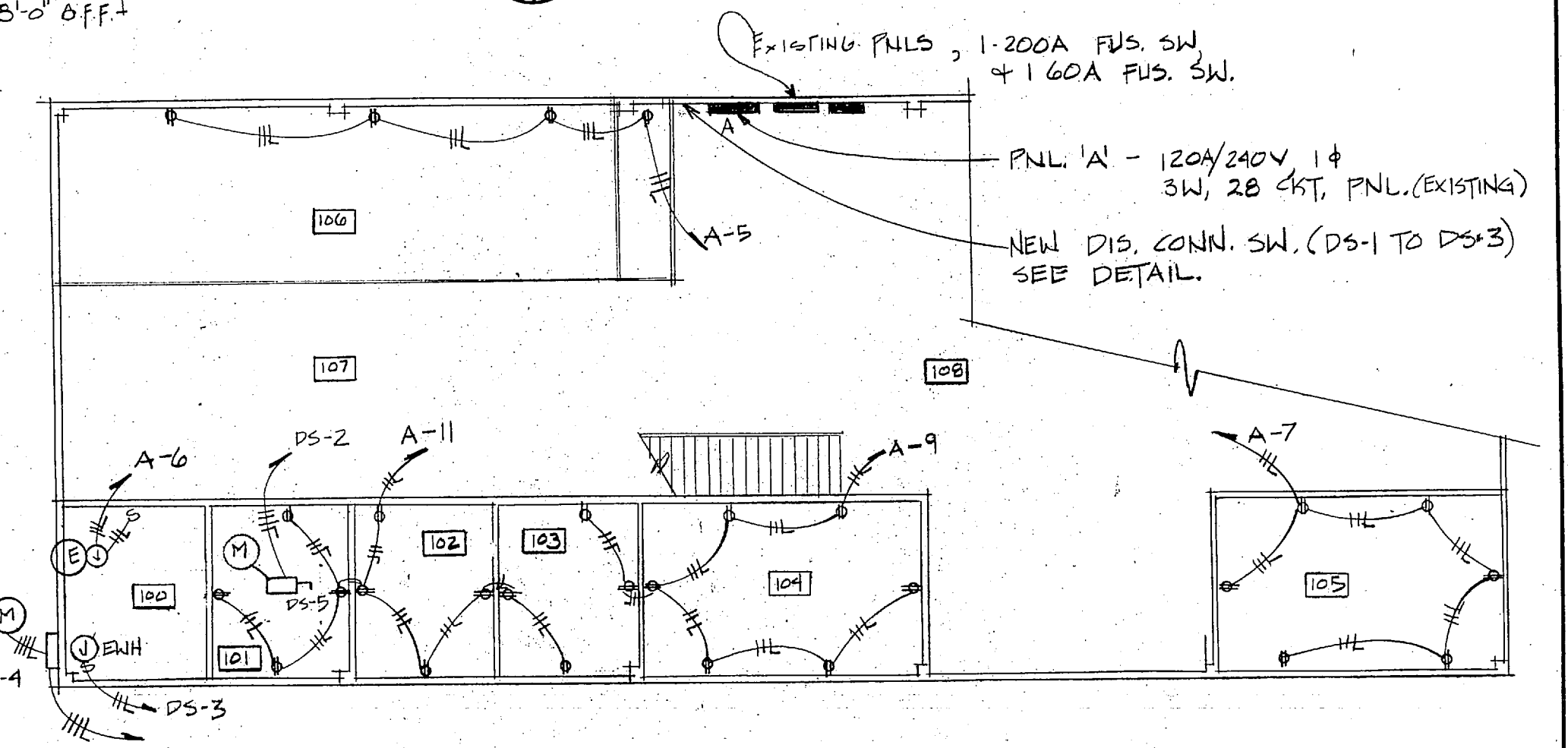
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



LIGHTING SYMBOL SCHEDULE	
	2x4 LAY-IN, 2 TUBE
	8x9 INDUSTRIAL TYPE - 2 TUBE

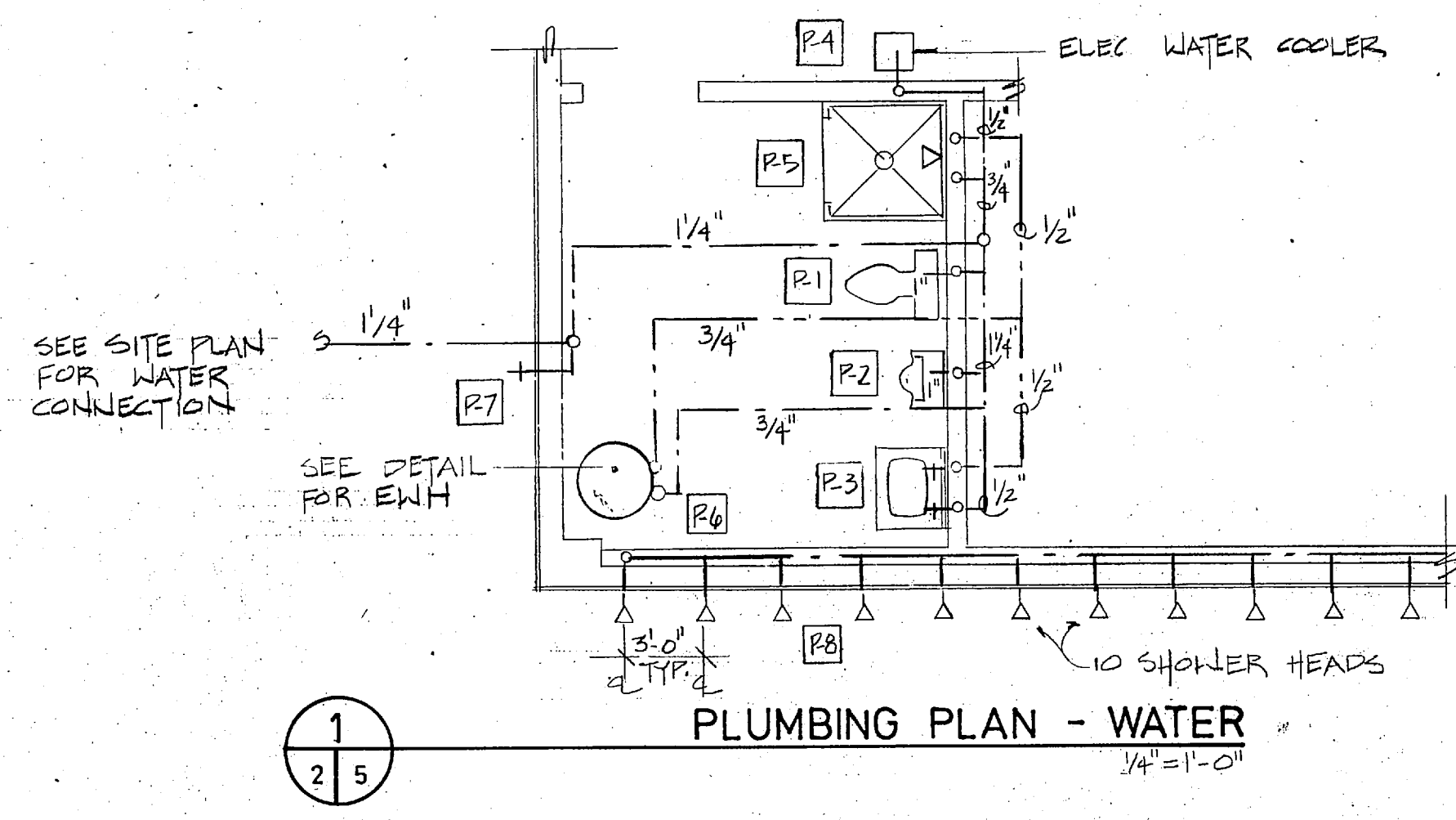
NOTE: REFER TO SHEET # 13 - RENOVATIONS TO BA-150 FOR THE FOLLOWING INFORMATION:

- ELECTRICAL SYMBOL SCHEDULE
- EXHAUST FAN SCHEDULE
- DIFFUSER SCHEDULE
- EXHAUST FAN DETAIL
- TYPICAL A/C EQUIPMENT DIAGRAM
- CEILING DIFFUSER BRANCH DUCTS DETAIL
- PLUMB. PUCT TAKE-OFF DETAIL
- HVAC SYMBOL SCHEDULE
- AIR COOLED CONDENSING UNIT SCHEDULE - HEAT PUMP
- AIR HANDLING UNIT SCHEDULE - HEAT PUMP

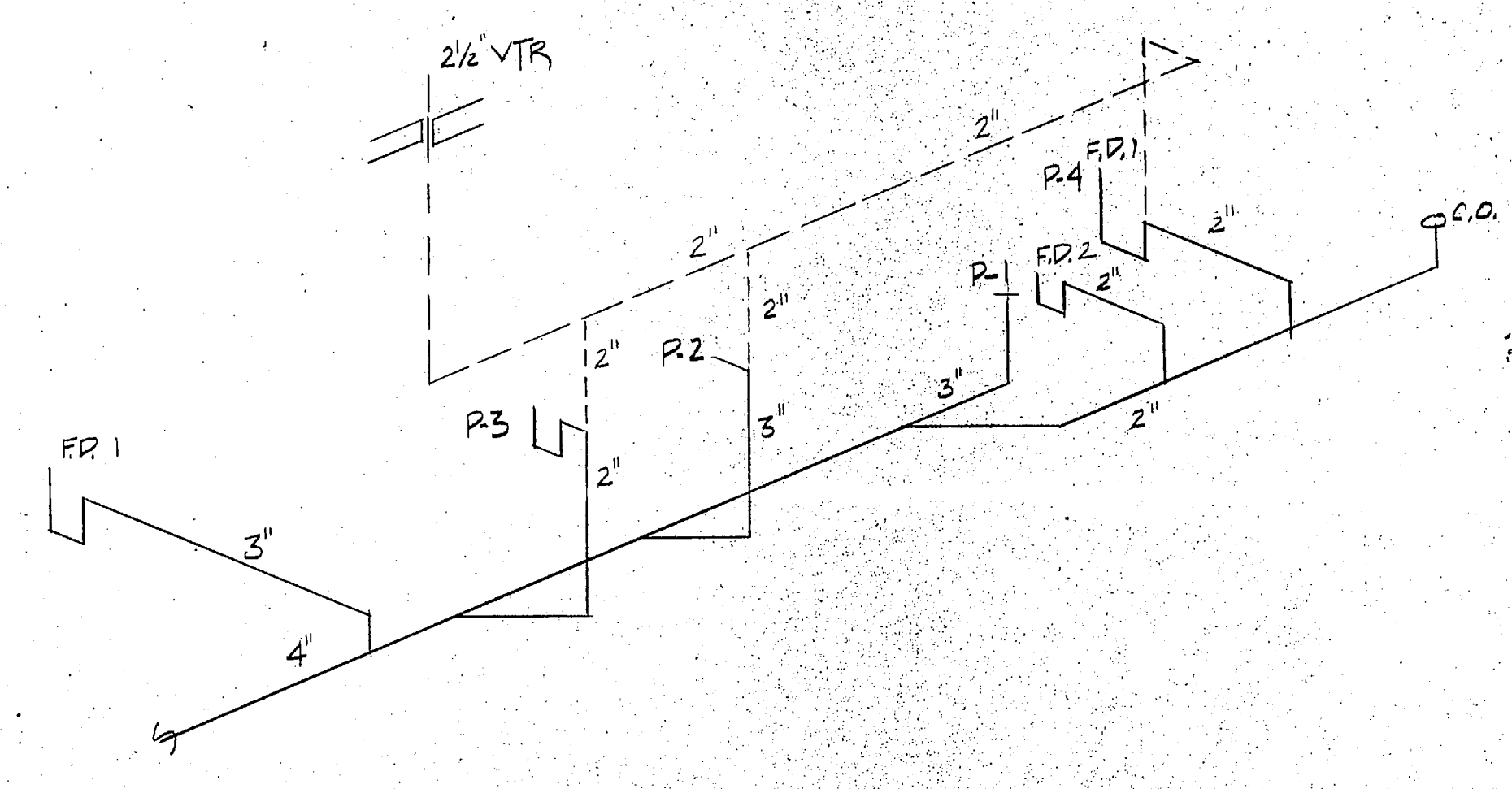


CONSULTANT: RAMAN AMIN ASSOC. RALEIGH, NC		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. LWD & RA DR. DER & JPH CHK. LWD & RA		RENOVATE BLDG. M - 166 HVAC, LIGHTING, ELECTRIC & DETAILS	
SUBMITTED BY: DESIGN DIR.		SIZE F	CODE IDENT. NO. 80091
APPROVED: PWO OR DIC		DATE	NAVFAC DRAWING NO. 4152562
SATISFACTORY TO:		DATE	CONSTR. CONTR. NO. N62470-86-B-5441
SCALE: NOTED		SPEC: 05-86-5441	SHEET 4 OF 20

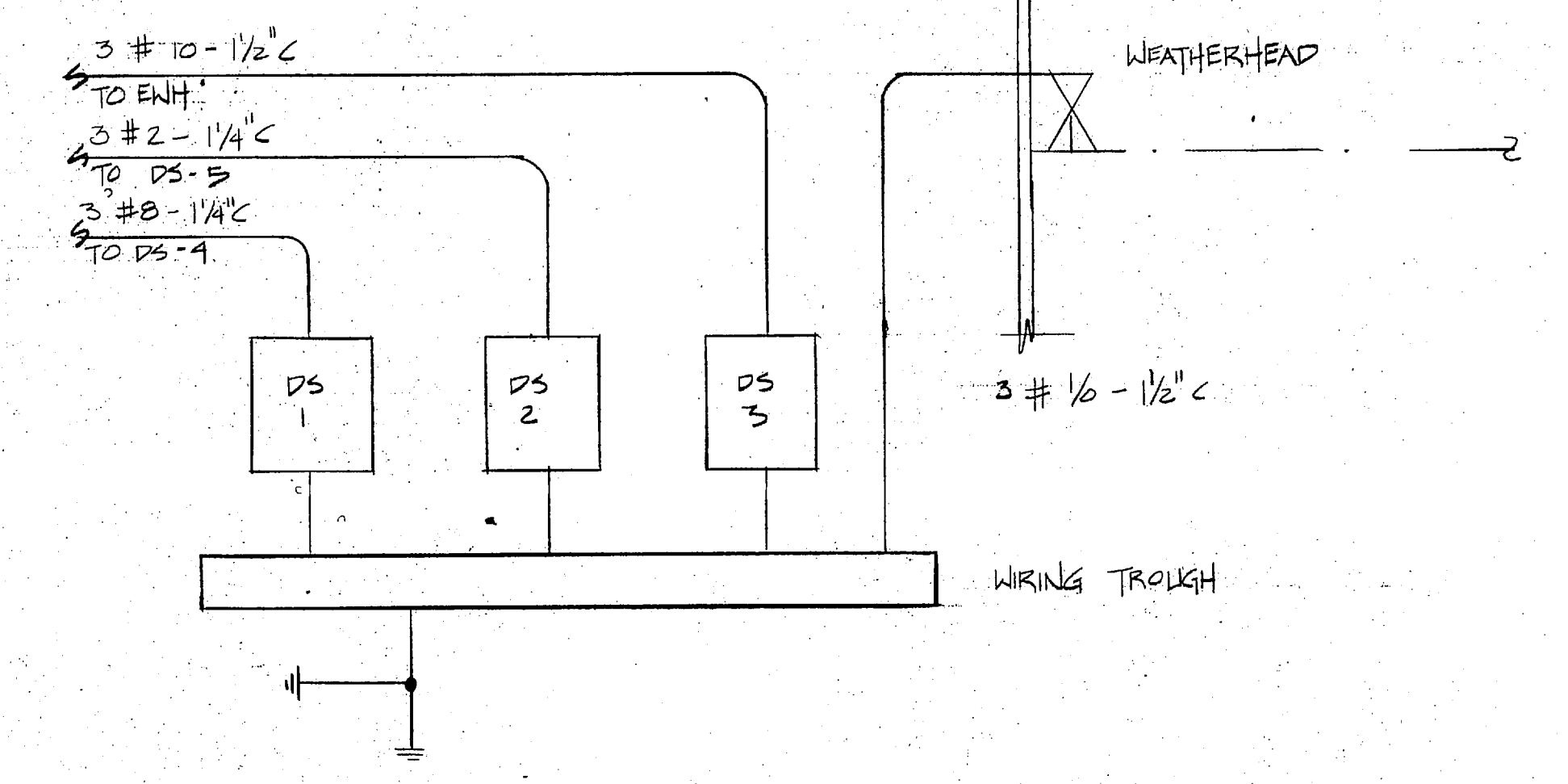
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



1
2/5



2
5/5



3
5/5

NO	K.V.A.			LOAD SERVED	WIRE SIZE	C/B		LOAD SERVED	WIRE SIZE	K.V.A.			NO
	A	B	C			A	B			A	B	C	
1				LTG	#12	20	1	1	20	LTG	#12		2
3				RECEP	#12	20	1	1	20	LTG	#12		4
5					#12	20	1	1	20	EX FAN	#12		6
7					#12	20	1	1	20		#12		8
9					#12	20	1	1	20		#12		10
11					#12	20	1	1	20		#12		12
13					#12	20	1	1	20		#12		14
15					#12	20	1	1	20		#12		16
17					#12	20	1	1	20		#12		18
19					#12	20	1	1	20		#12		20
21					#12	20	1	1	20		#12		22
23					#12	20	1	1	20		#12		24
25					#12	20	1	1	20		#12		26
27					#12	20	1	1	20		#12		28
SUBTOTAL COL. 'A'					SUBTOTAL COL. 'B'								
SUBTOTAL COL. 'B'					VOLTS 20/240V PHASE 1Φ WIRE 3								
TOTAL K.V.A.					MOUNTING SURFACE								
AMPS/PHASE					MAIN BKR.								
					BKR. INT. SYM.					AMP			
													PANEL A
													EXISTING

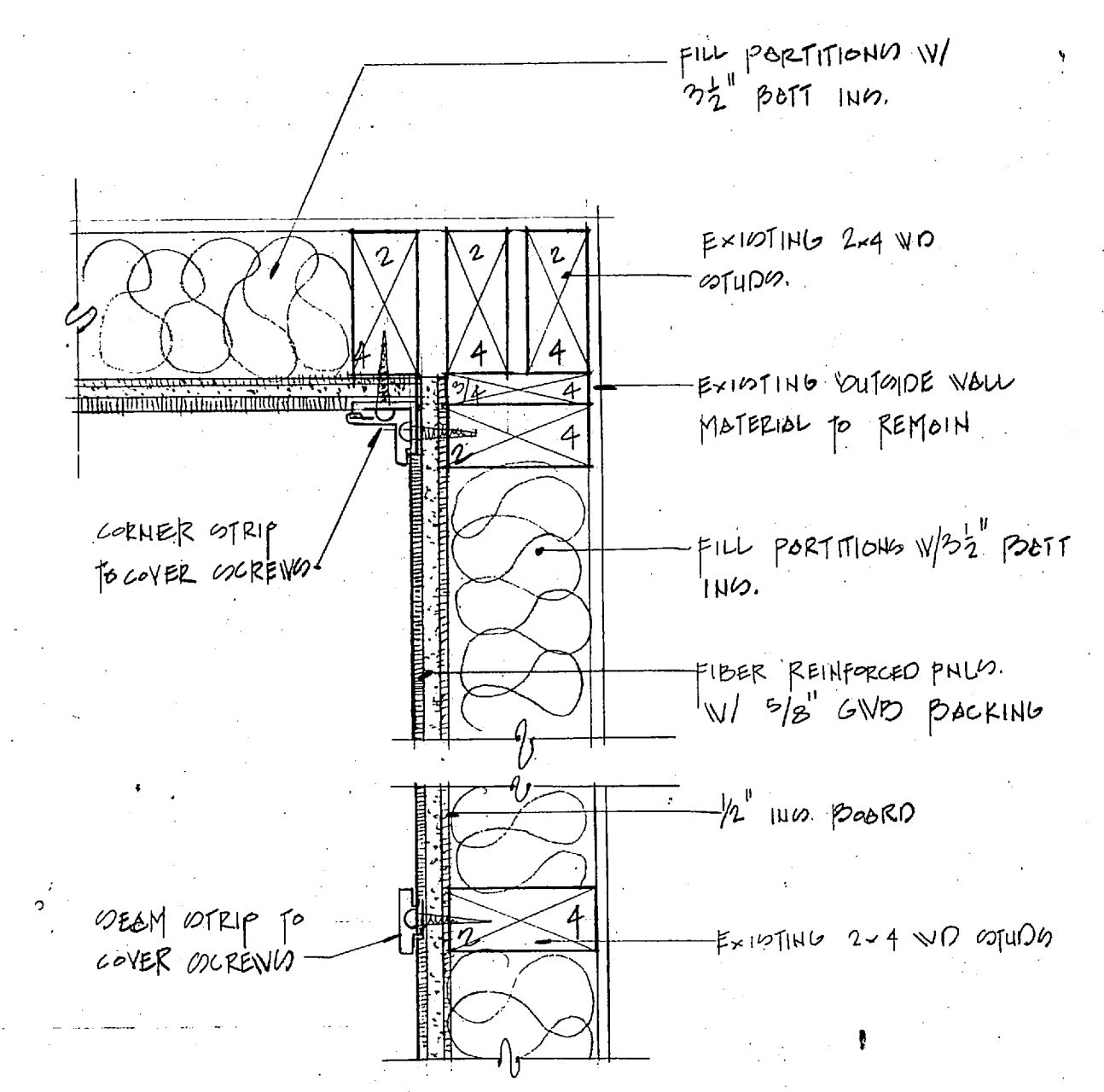
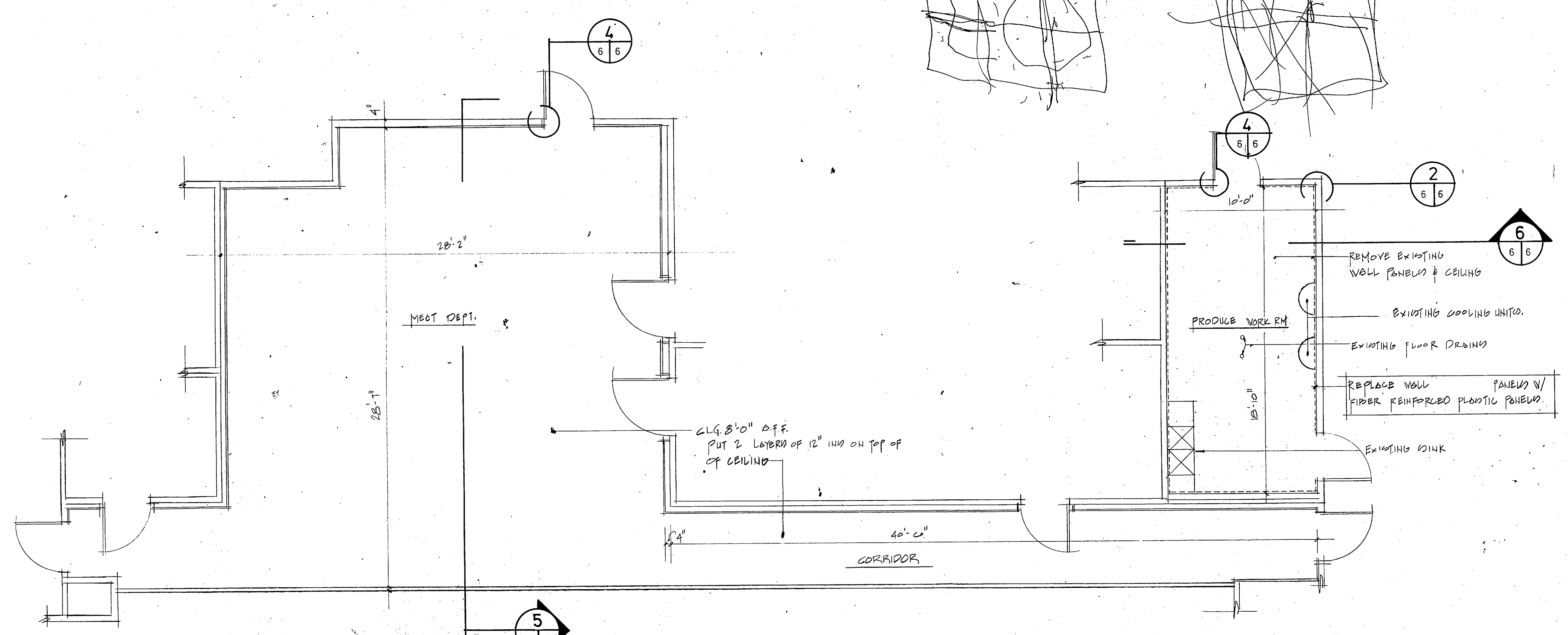
DISCONNECT SWITCH SCHEDULE					
MARK	AMPS	VOLTS	POLES	NEMA TYPE	FUSE SIZE
DS-1	60	240	2	1	60
DS-2	100	"	"	1	100
DS-3	30	"	"	1	30
DS-4	60	"	"	3R	60
DS-5	100	"	"	1	100

PLUMBING SYMBOL SCHEDULE	
—	SANITARY SEWER PIPE
---	VENT PIPE
---	COLD WATER PIPE ABOVE CEILING - INSULATED
---	HOT WATER PIPE ABOVE CEILING - INSULATED
⋈	GATE VALVE
○ C.O.	CLEAN OUT
VTR	VENT THROUGH ROOF
P-1	WATER CLOSET
P-2	URINAL
P-3	LAVATORY
P-4	ELECTRIC WATER COOLER
P-5	SHOWER HEAD
P-6	ELECTRIC WATER HEATER
P-7	HOSE BIB
P-8	OUTDOOR SHOWER HEAD
FD-1	FLOOR DRAIN - 3"
FD-2	SHOWER DRAIN - 2"

CONSULTANT: RAMAN AMIN ASSOC. RALEIGH, NC		GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. RA DR. JPH CHK. RA		SUBMITTED BY:		RENOVATE BLDG. M166 SCHEDULES & DIAGRAMS	
DESIGN DIR.		APPROVED: PWD OR OICC		DATE	SIZE
SATISFACTORY TO:		DATE		F	80091
SCALE: NOTED		SPEC. 05 - 86 - 5441		NAVFAC DRAWING NO. 4152563 CONSTR. CONTR. NO. NS0470-86-B-5441 SHEET 5 OF 20	

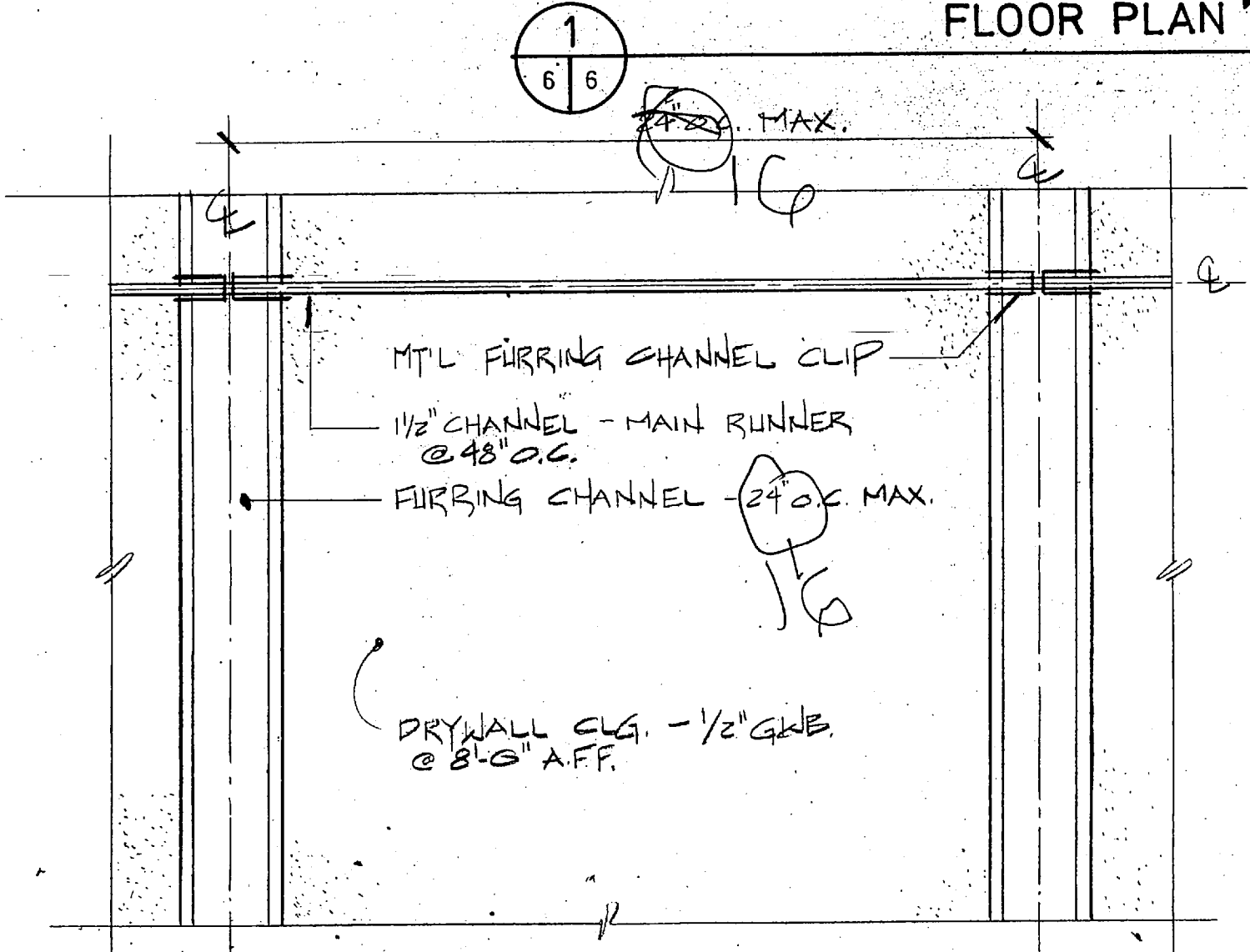
5

REVISIONS		
SYM.	DESCRIPTION	DATE

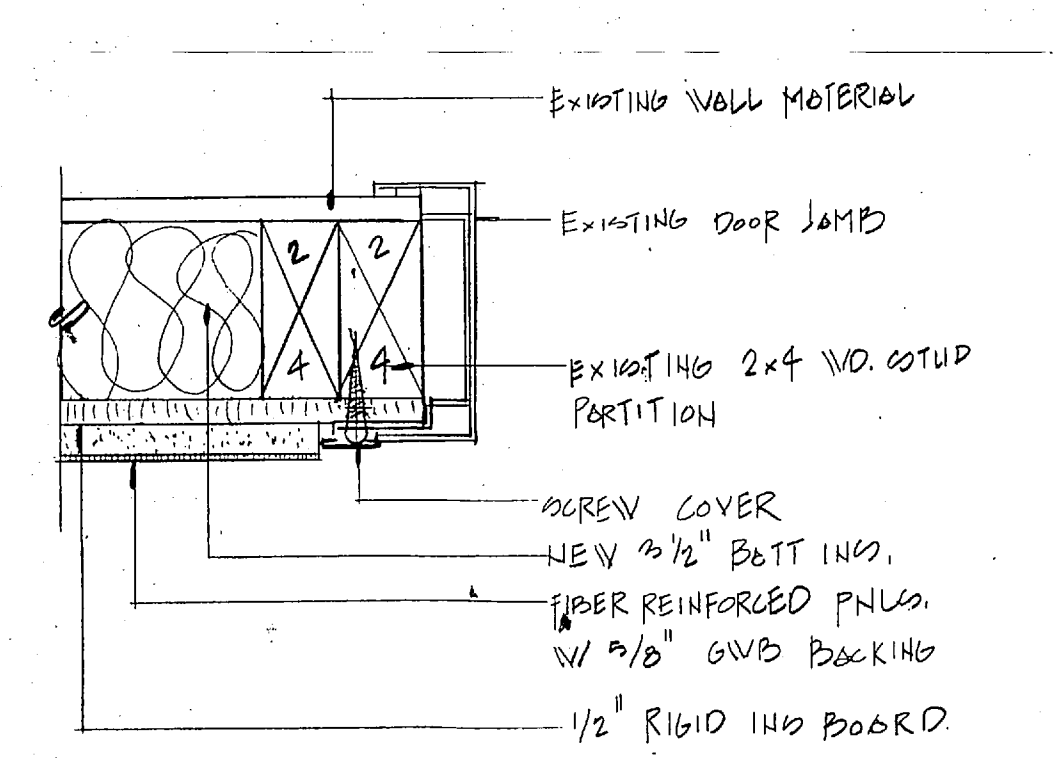


2
6/8
PANEL DETAIL
1/2" x 1'-0"

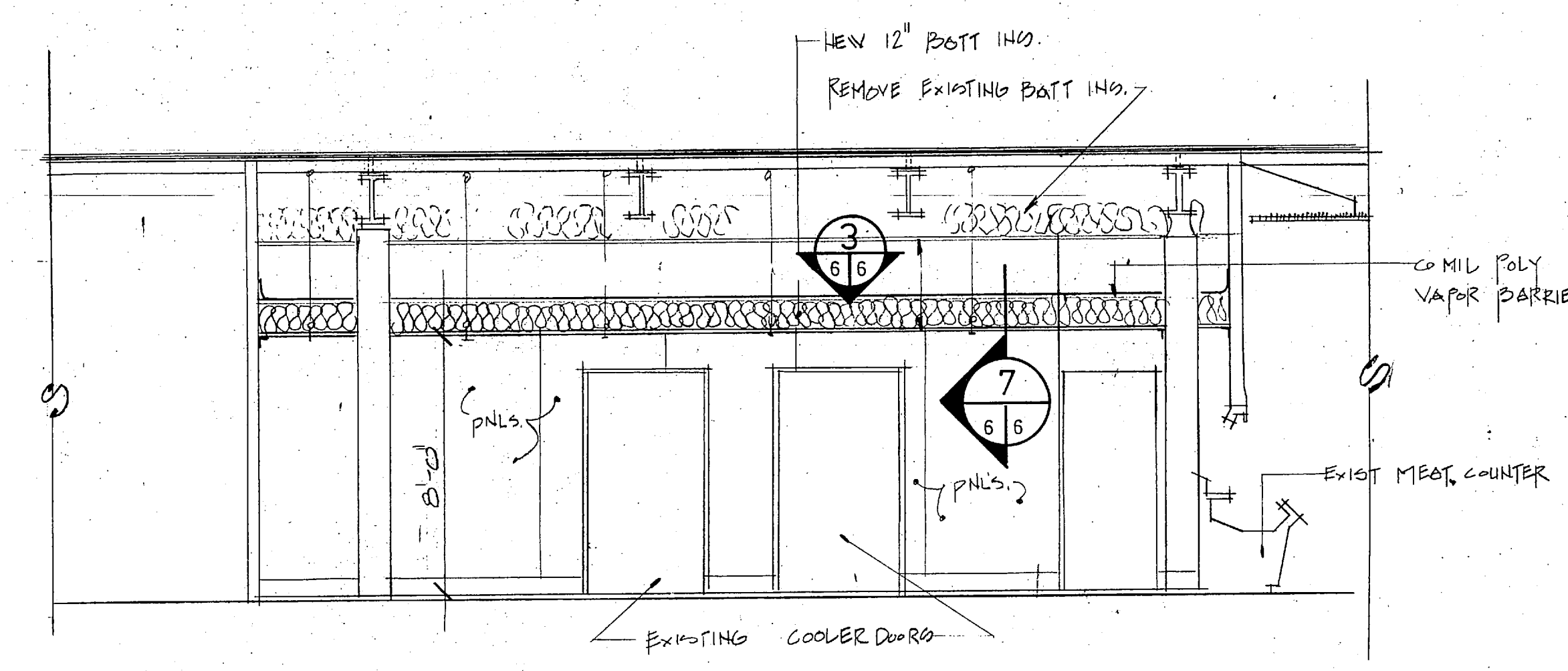
5
6/8
FLOOR PLAN - MEAT DEPT./PRODUCE
1/4" = 1'-0"



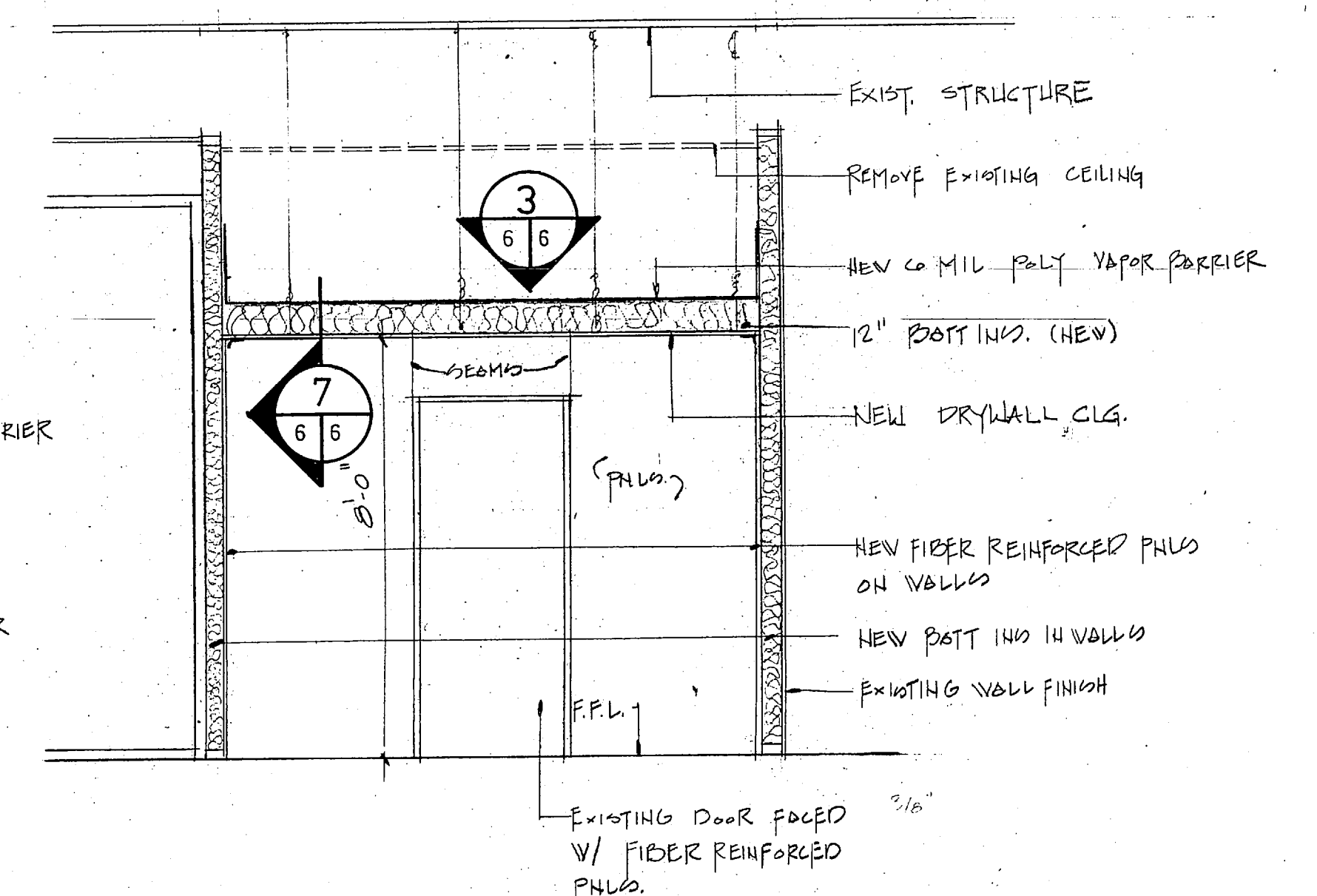
3
6/8
CEILING PLAN
N.T.S.



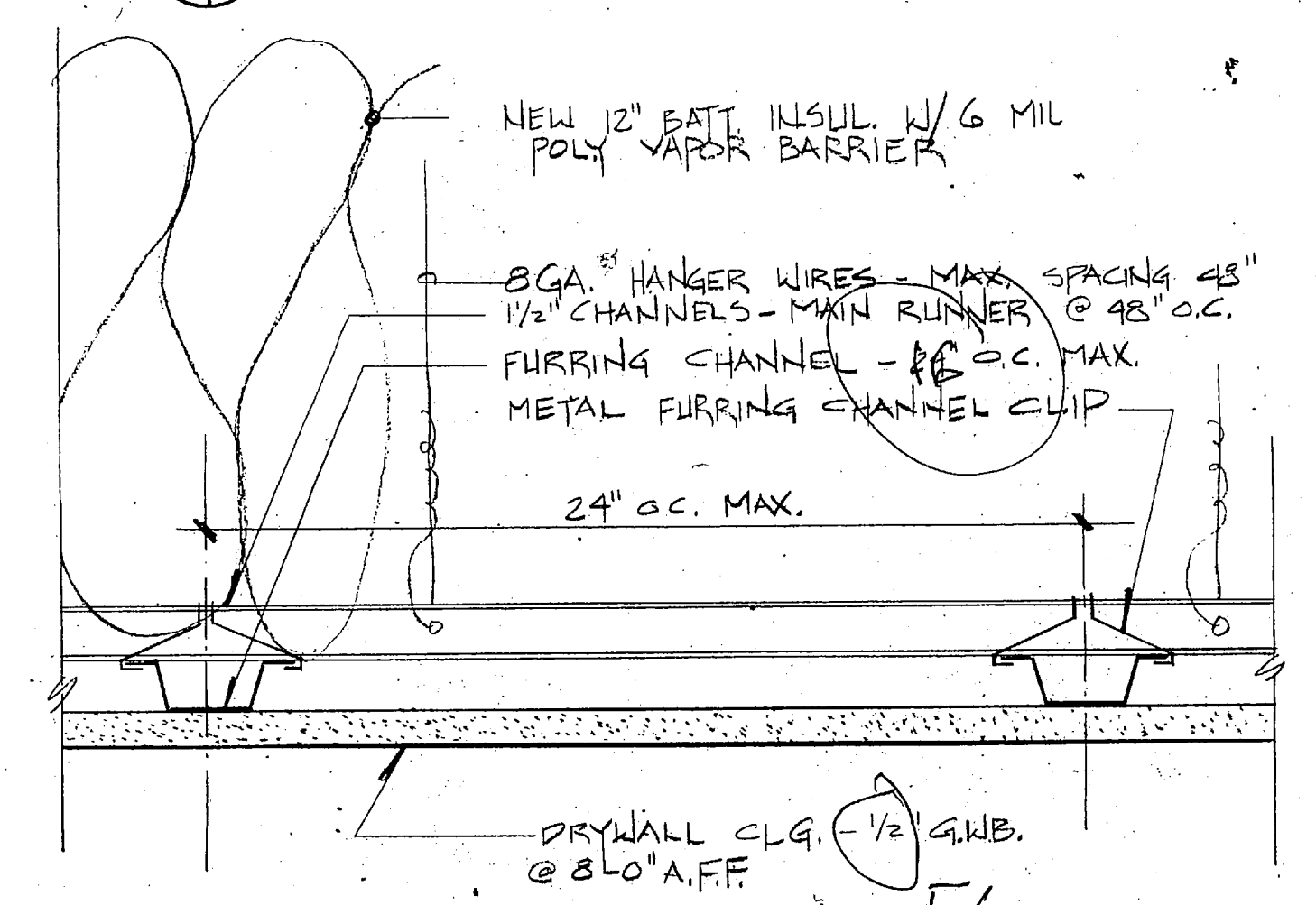
4
6/8
JAMB DETAIL
3/8" = 1'-0"



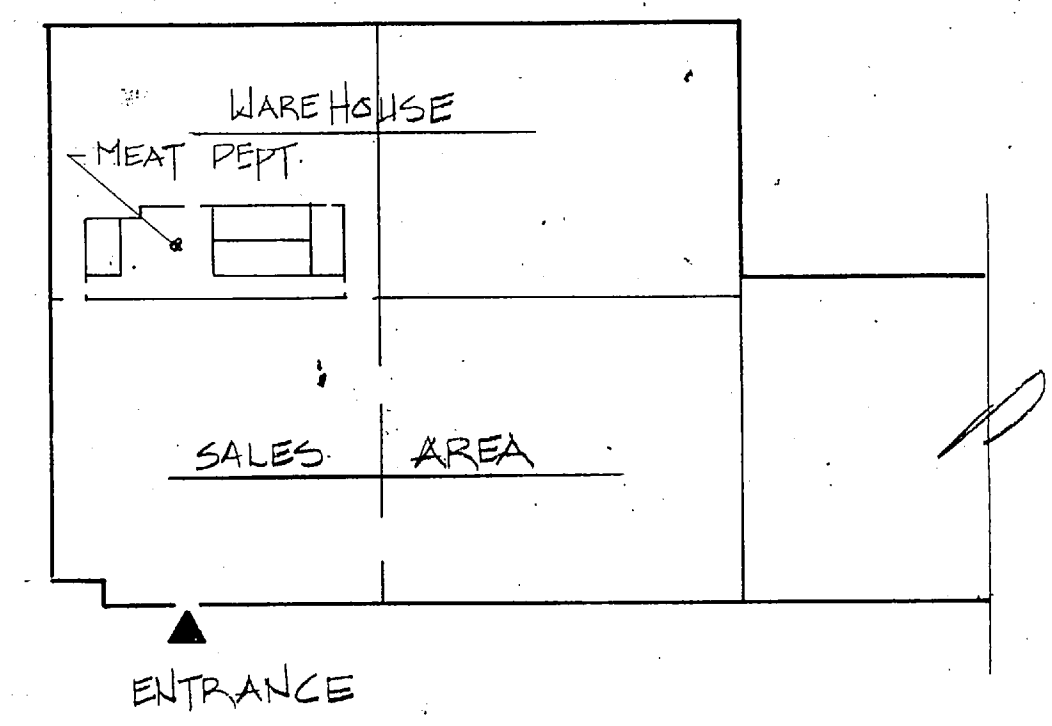
5
6/8
SECTION
1/4" = 1'-0"



6
6/8
SECTION
3/8" = 1'-0"

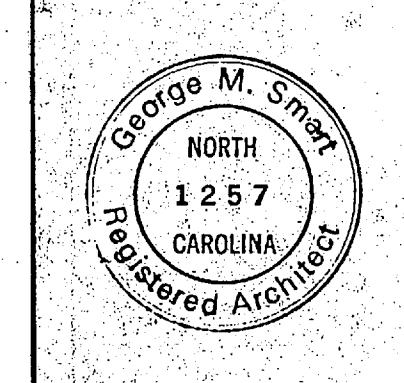
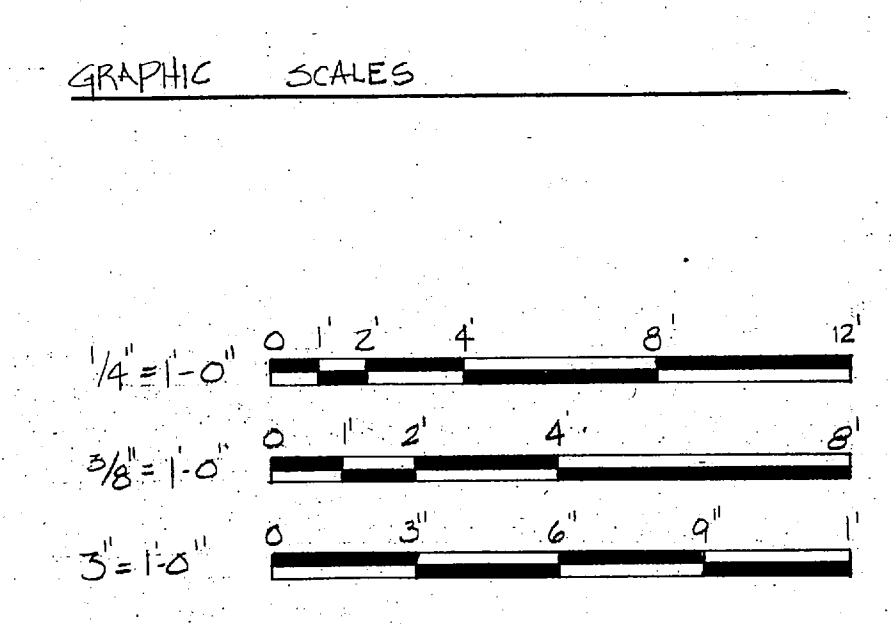


7
6/8
N.T.S.



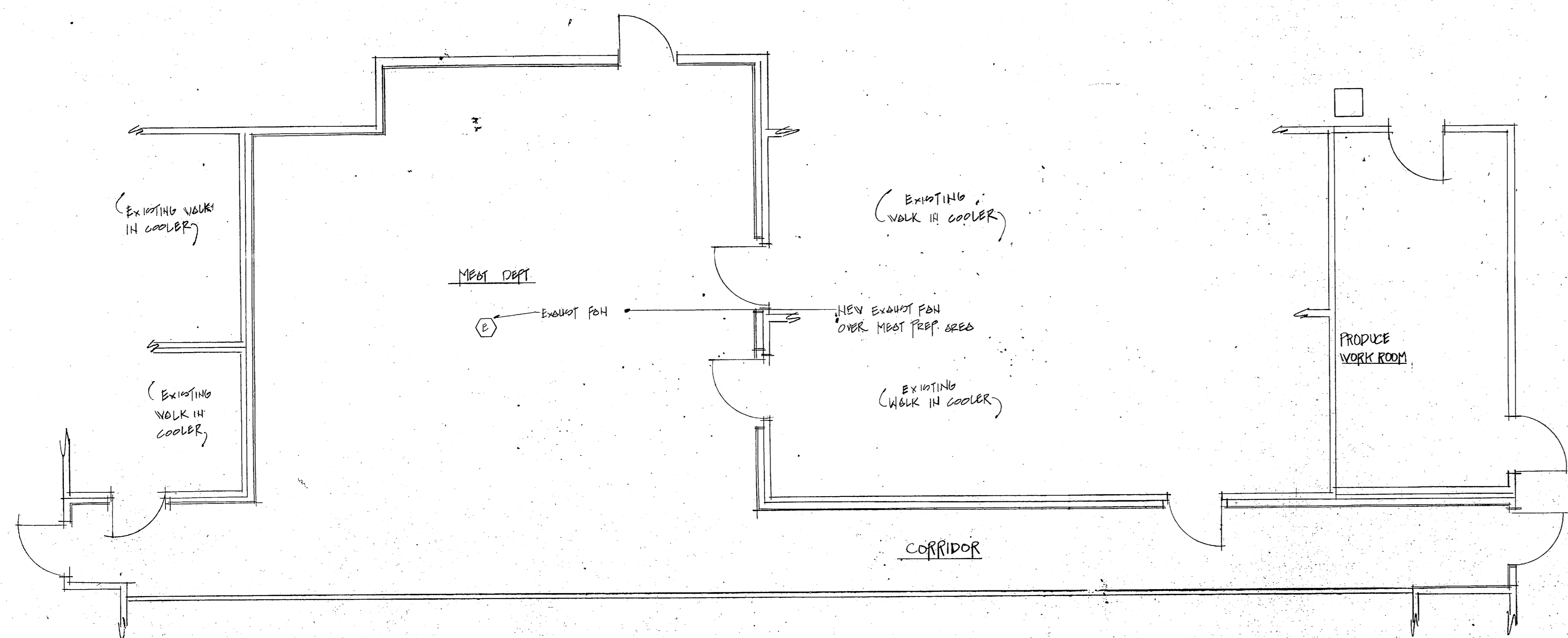
KEY PLAN - BLDG. 2455
NO SCALE

ROOM FINISH SCHEDULE						
ROOM	BASE	FLOOR	WALLS	CEILING	CLG. HT.	REMARKS
PRODUCE WORKROOM	NEW RUBBER	EXIST.	FIBER REINFORCED PNLs	GWB-PTP	8'-0"	
CORRIDOR			EXIST.		8'-0"	
MEAT DEPT.			EXIST.		8'-0"	

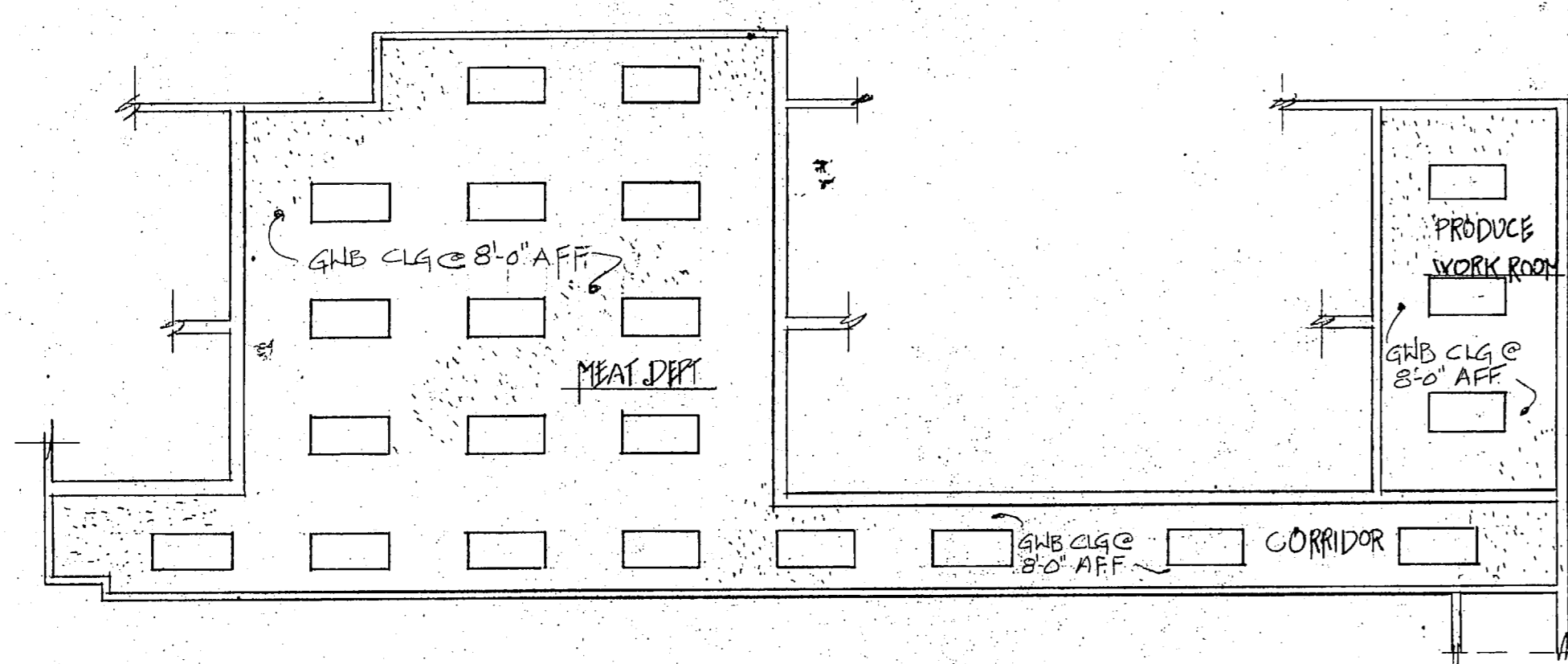


GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		6	
				RENOVATE BLDG. TT-2455 FLOOR PLAN, WALL & CEILING DETAILS	
DES. L.V.D.	DR. DATE: J.M.H.	DATE	SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
CHK. L.V.D.	SUBMITTED BY:	DATE	F	80091	4152564
DESIGN DIR.	APPROVED: P.W. OR DICC	DATE	SCALE: NOTED	SPEC. 05-86-5441	SHEET 6 OF 20
SATISFACTORY TO:	DATE	DATE	DATE	DATE	DATE

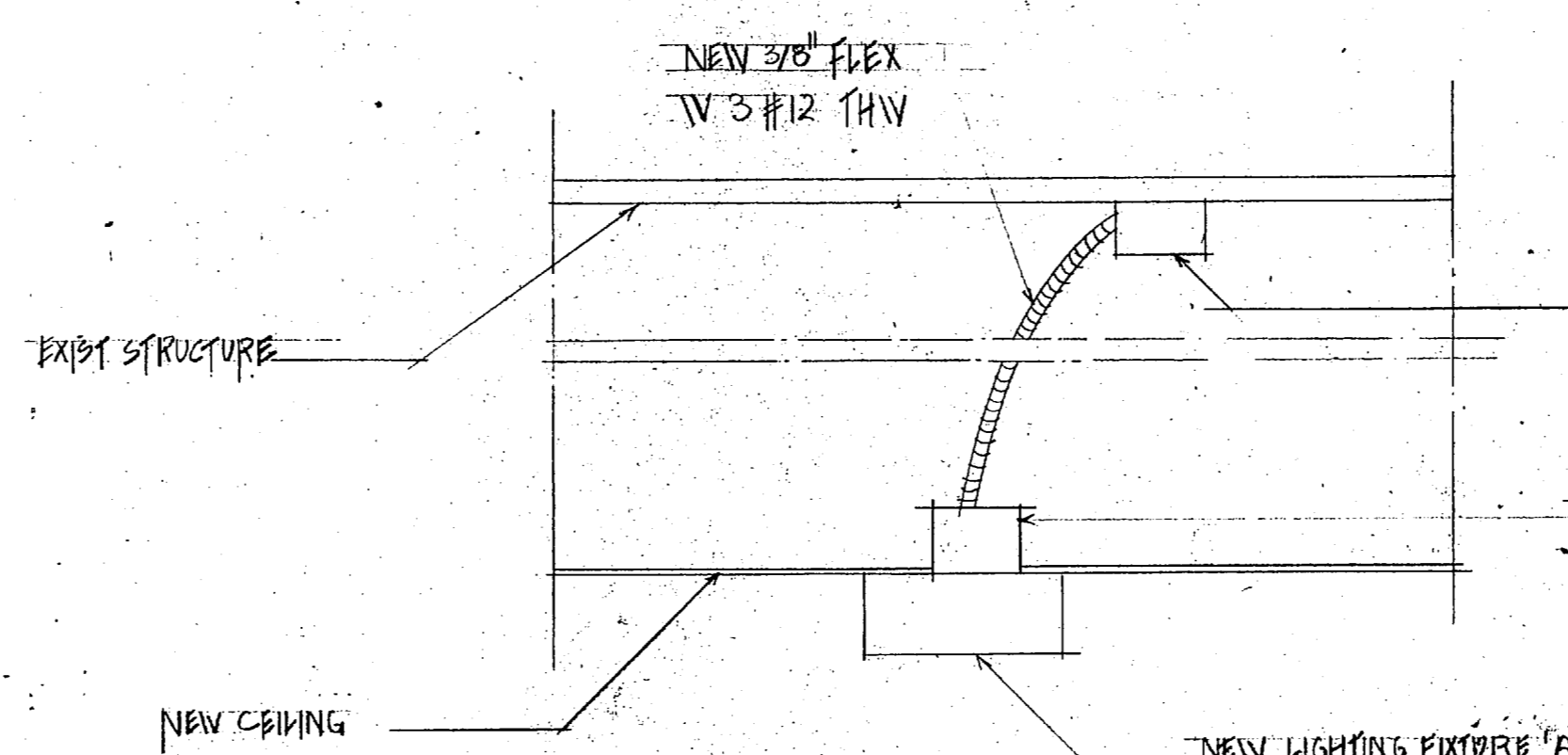
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



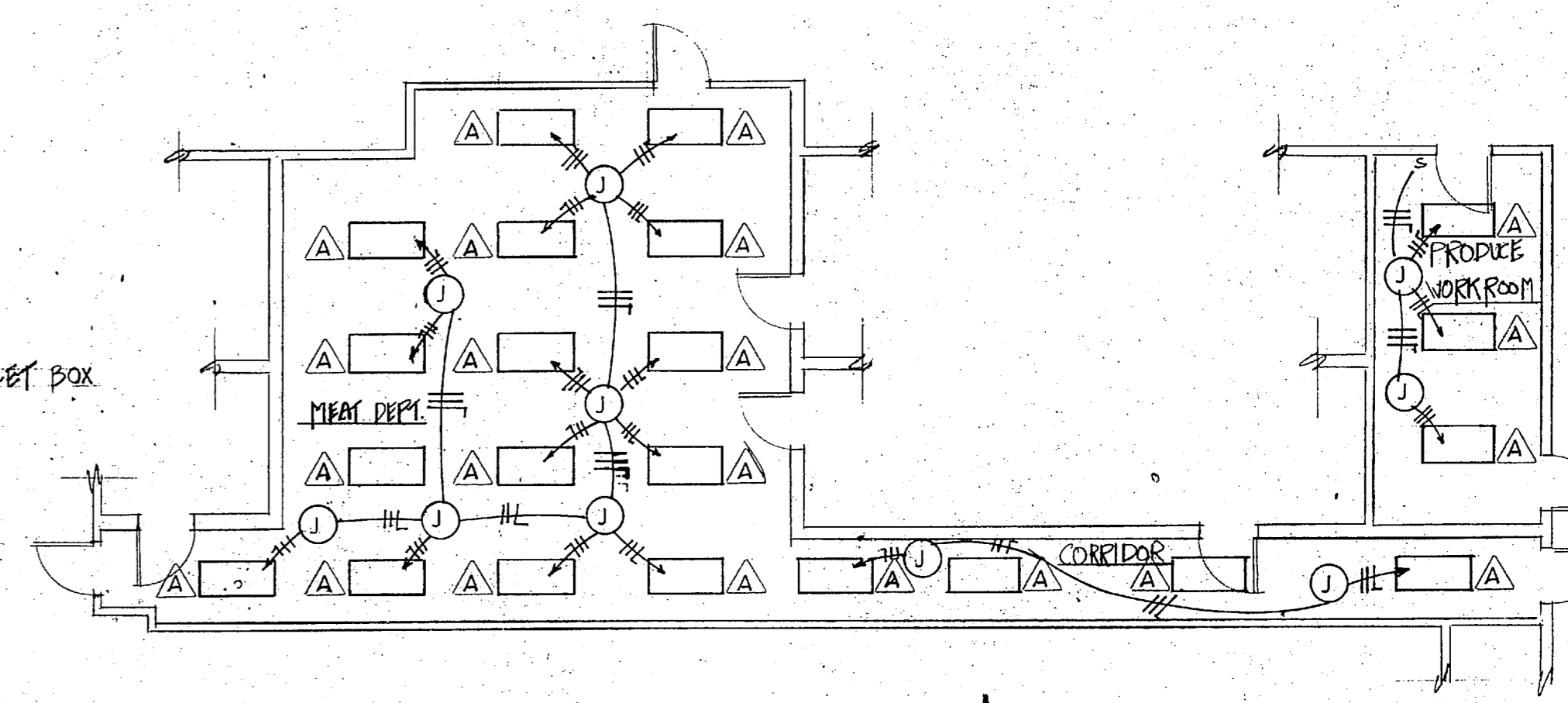
1
7/7
MECHANICAL PLAN
1/4" = 1'-0"



3
7/7
REFLECTED CEILING PLAN
3/8" = 1'-0"



2
7/7
LIGHT DETAIL
1/8" = 1'-0"



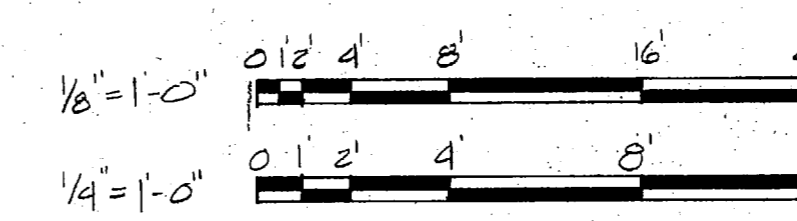
4
7/7
LIGHTING PLAN
1/8" = 1'-0"

NOTE: REUSE EXIST WIRING & DEVICES FOR NEW LIGHTING

NOTE: FOR LIGHTING FIXTURE SCHEDULES SEE DRAWING #15 RENOVATION BAL30

FIX 'A' - NLS-8, 2.35 WATT LAMP, 120 VOLTS, SURFACE MOUNTED

GRAPHIC SCALES



CONSULTANT:
RAMAN AMN ASSOC.
RALEIGH, NC

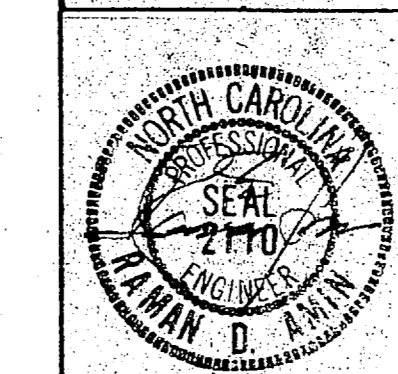
GEORGE M. SMART ARCHITECTS, INC.
RALEIGH, NORTH CAROLINA

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

DESIGNER:
DR. E.B.R. & Y.H.
CHK'D BY:
SUBMITTED BY:
DESIGN DIR.
APPROVED: P.W.O. OR DIC
DATE

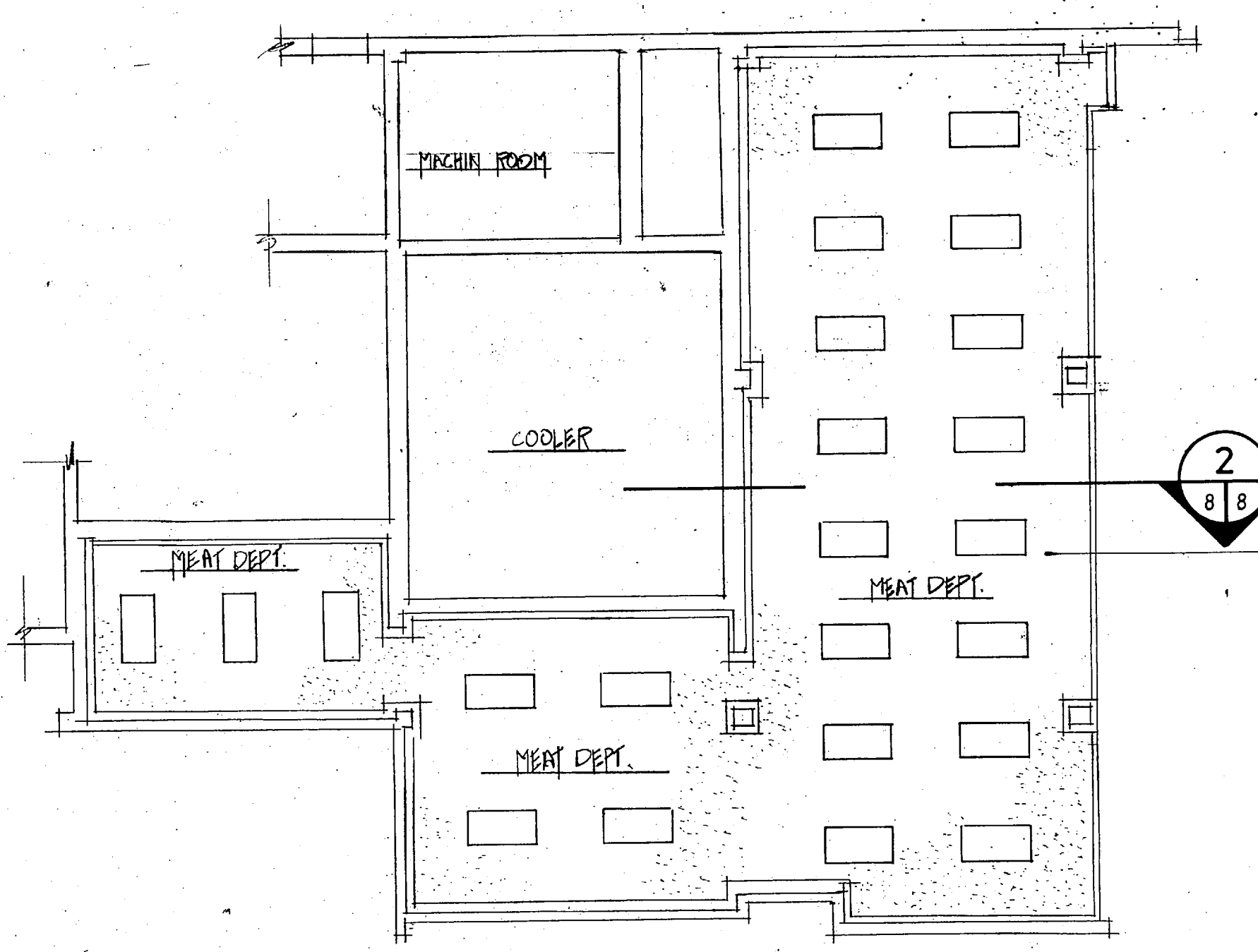
RENOVATE BLDG. TT-2455
MECH., LIGHTING & REFLECTED
CEILING PLAN

SIZE: F
CODE IDENT. NO.: 80091
NAVY DRAWING NO.: 4152565
CONSTR. CONTR. NO. N62470-86-B-5441

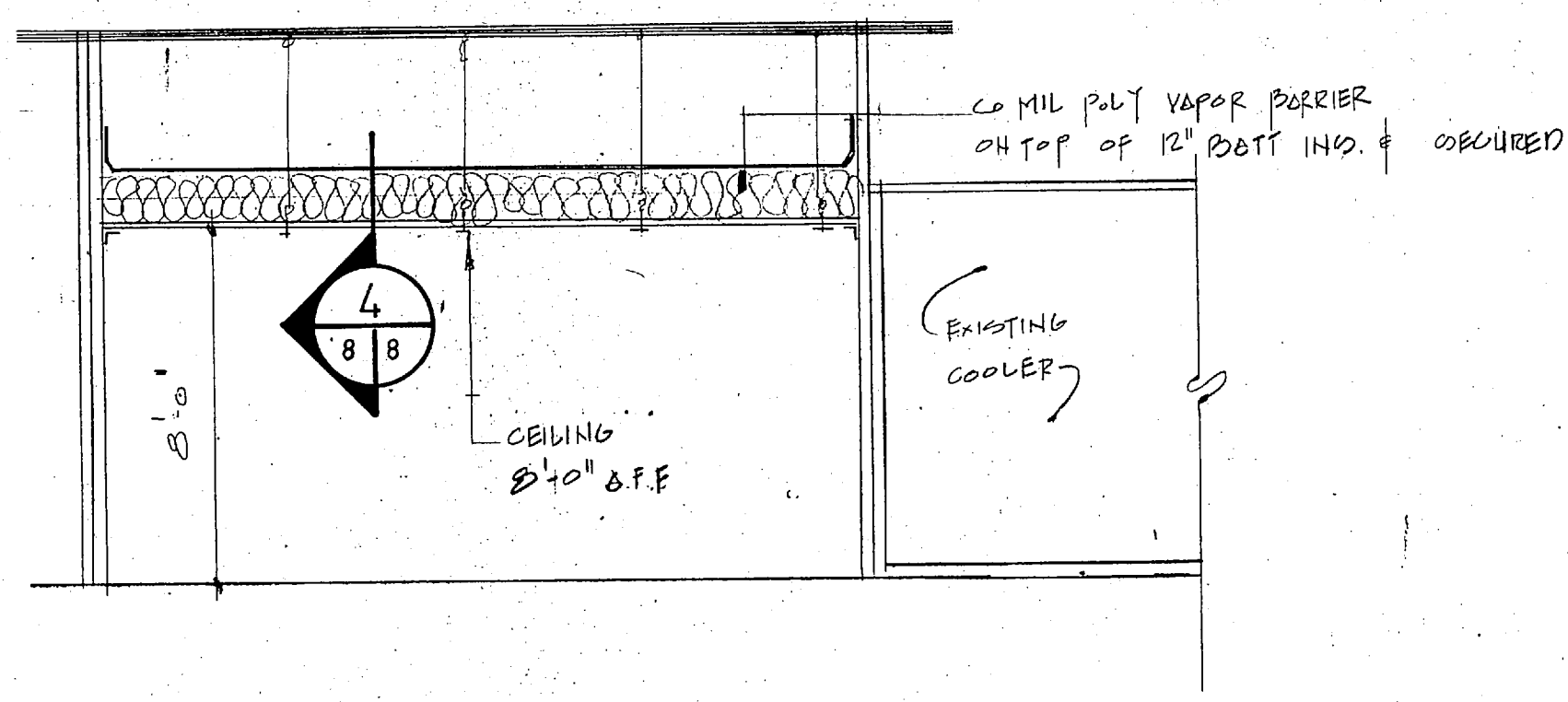


SCALE: NOTED SPEC: 05-86-5441 SHEET 7 OF 20

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

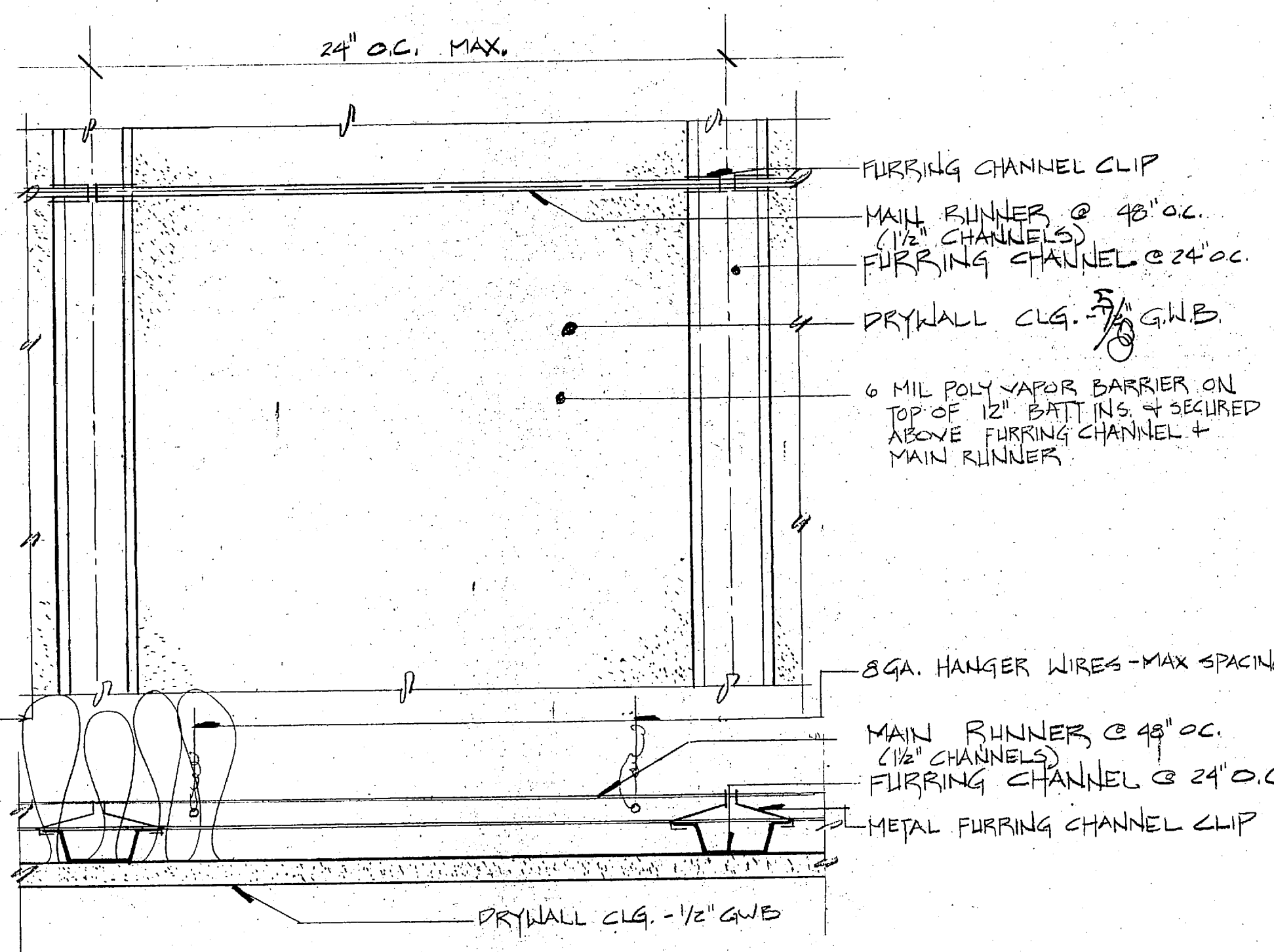


1 REFLECTED CLG PLAN
1/8" = 1'-0"



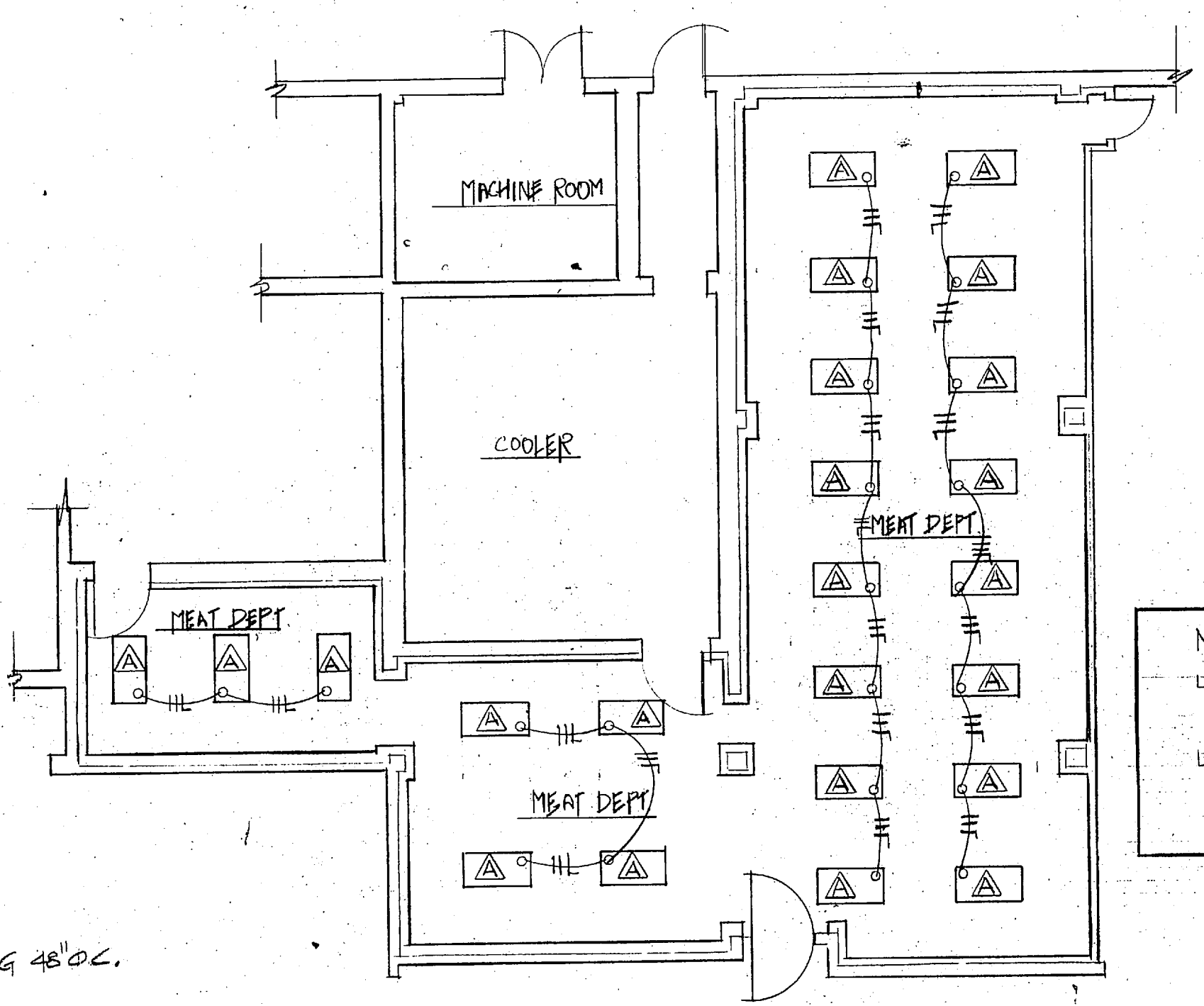
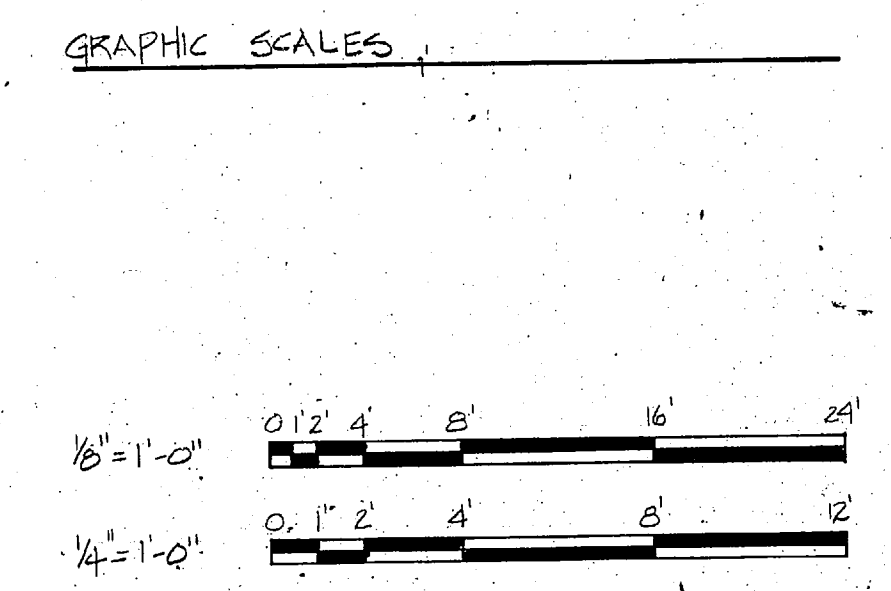
2 SECTION
1/4" = 1'-0"

CEILING TO BE SUSPENDED
2x10 S.F.F. @ 2'-0" AFF W/
12" INSULATION PLACED ON
TOP W/ 6 MIL POLY VAPOR BARRIER.



NOTE:
6 MIL POLY VAPOR
BARRIER ON TOP OF
12" BATT INS. & SECURED

4 SUSPENDED CEILING DETAILS
N.T.S.



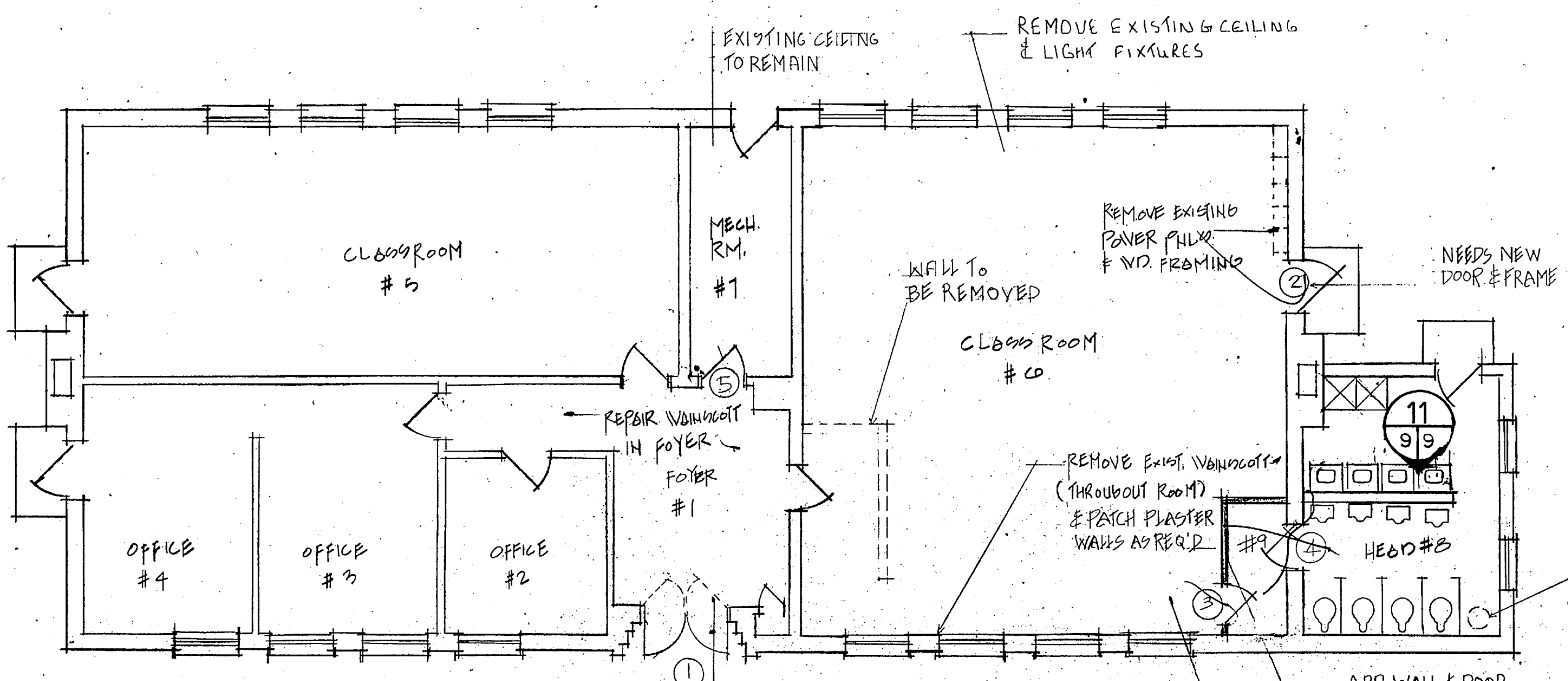
3 LIGHTING PLAN
1/8" = 1'-0"

NOTE:
L23: FIX 'A' SIMILAR
TO BLDG. TT-2453
L74: FIX 'A' WIRING DETAIL
SIMILAR TO BLDG. TT-2455.

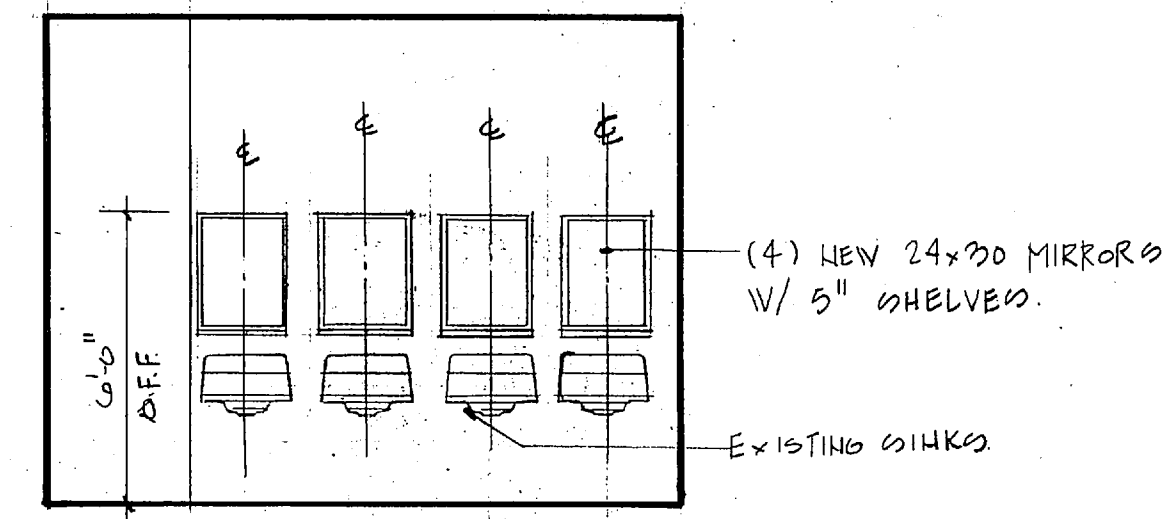
CONSULTANT: RAMAN AMIN ASSOC. RALEIGH, NC		GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. LWD. & RA. DR. DBR. & JMH. CHK. LWD. & RA. SUBMITTED BY: DESIGN DIR.		APPROVED: PWO OR OICC DATE		NAVFAC DRAWING NO. 4152566	
SATISFACTORY TO: DATE		SIZE F		CONSTR. CONTR. NO. N62470-86-B-5441	
SCALE: NOTED		SPEC. 05-86-5441		SHEET 8 OF 20	

8

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



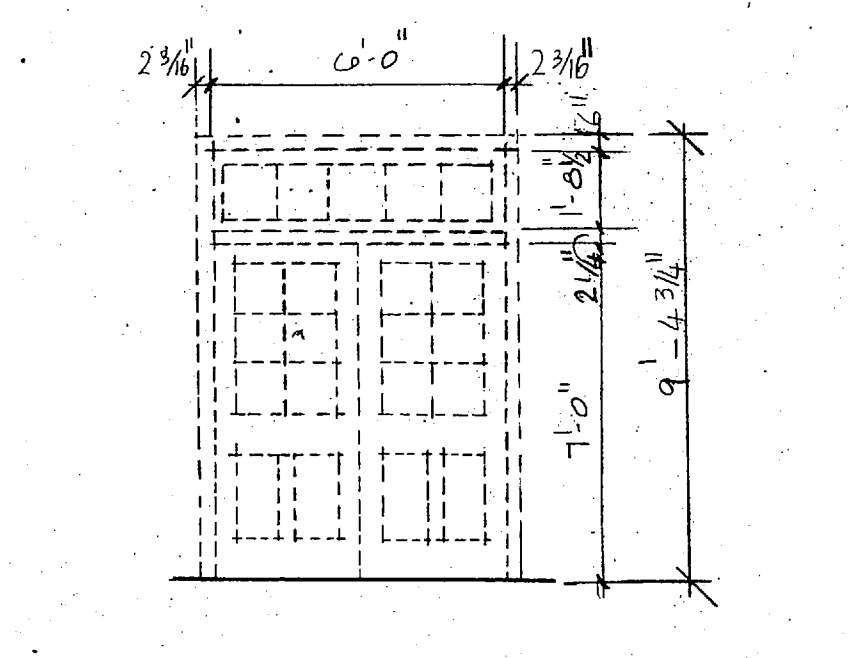
1 FLOOR PLAN
1/8" = 1'-0"



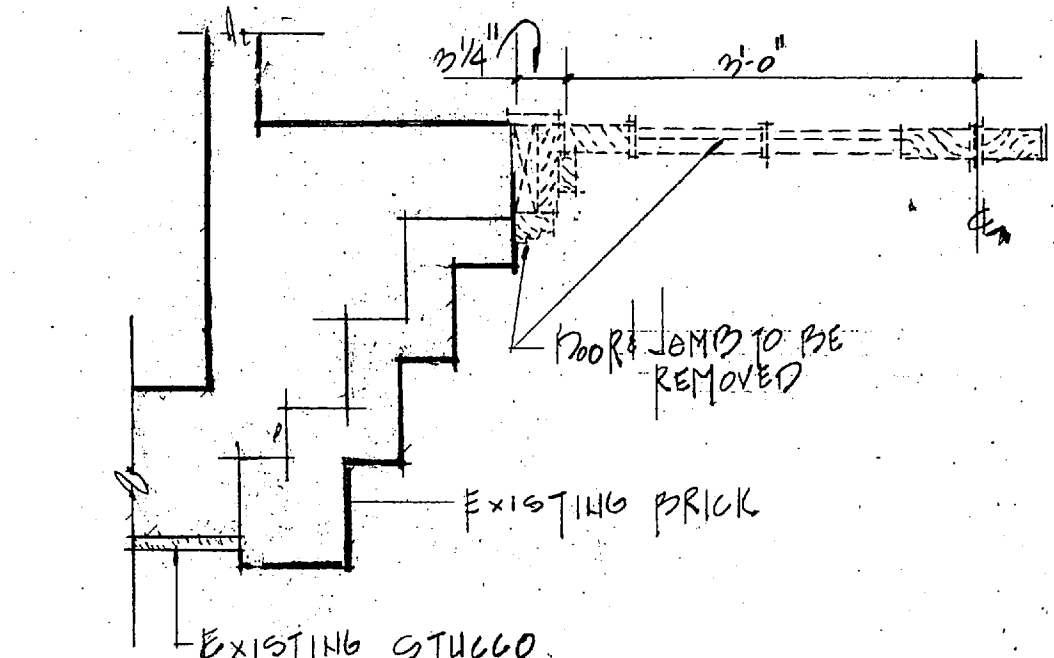
11 HEAD ELEVATION
1/4" = 1'-0"

DOORS										FRAMES									
MARK	NO.	SIZE	TYPE	FIN.	STAND.	FIN.	STAND.	FIN.	STAND.	REMARKS	MARK	NO.	SIZE	TYPE	FIN.	STAND.	FIN.	STAND.	REMARKS
1	11	3'-0" x 7'-0"	SWING								1	11	3'-0" x 7'-0"						
2	12	3'-0" x 7'-0"	SWING								2	12	3'-0" x 7'-0"						
3	13	3'-0" x 7'-0"	SWING								3	13	3'-0" x 7'-0"						
4	14	3'-0" x 7'-0"	SWING								4	14	3'-0" x 7'-0"						
5	15	3'-0" x 7'-0"	SWING								5	15	3'-0" x 7'-0"						

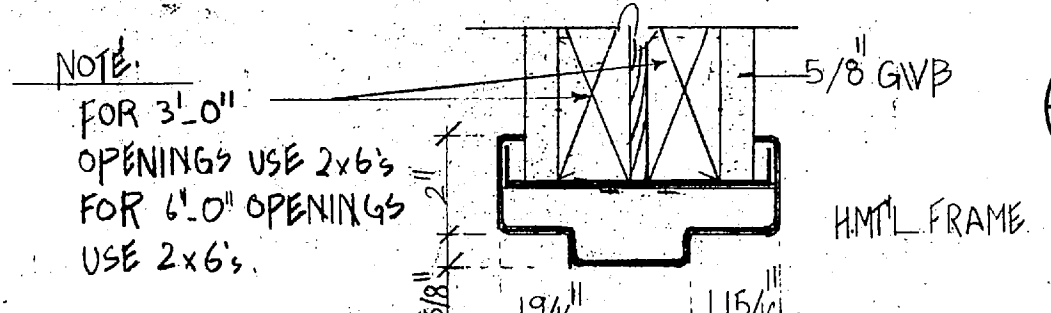
ROOM FINISH SCHEDULE											
NO.	ROOM	FLOOR	BASE	WAIN.	WALL	CEILING	HT.	REMARKS	NO.	ROOM	FLOOR
1	OFFICE	V.T.	EXIST	REPAIR	FIN EXIST	ACoust.	8'-0"		1	OFFICE	V.T.
2	OFFICE	V.T.	EXIST			ACoust.	8'-0"		2	OFFICE	V.T.
3	OFFICE	V.T.	EXIST			ACoust.	8'-0"		3	OFFICE	V.T.
4	CLASROOM	V.T.	EXIST			ACoust.	8'-0"		4	CLASROOM	V.T.
5	CLASROOM	V.T.	EXIST			ACoust.	8'-0"		5	CLASROOM	V.T.
6	MECH. RM.	EXIST				ACoust.	10'-0"		6	MECH. RM.	EXIST
7	HEAD	V.T.	EXIST			ACoust.	8'-0"		7	HEAD	V.T.
8	HEAD COVER	EXIST				ACoust.	8'-0"		8	HEAD COVER	EXIST



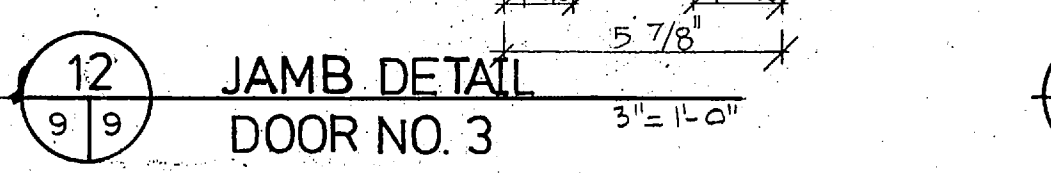
2 ENTRY DEMOLITION
1/4" = 1'-0"



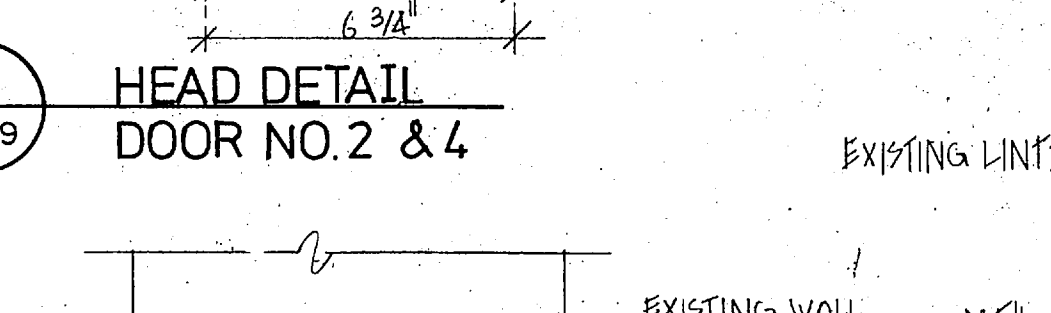
3 DEMOLITION DETAIL
3/4" = 1'-0"



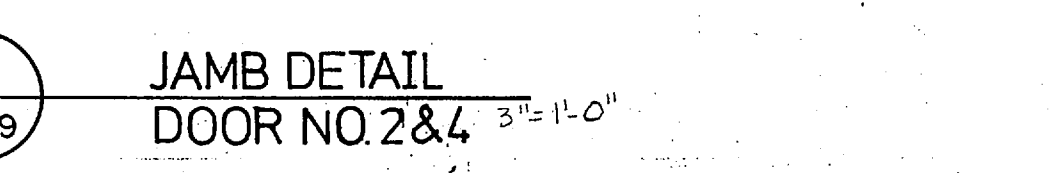
10 HEAD DETAIL DOOR NO. 3



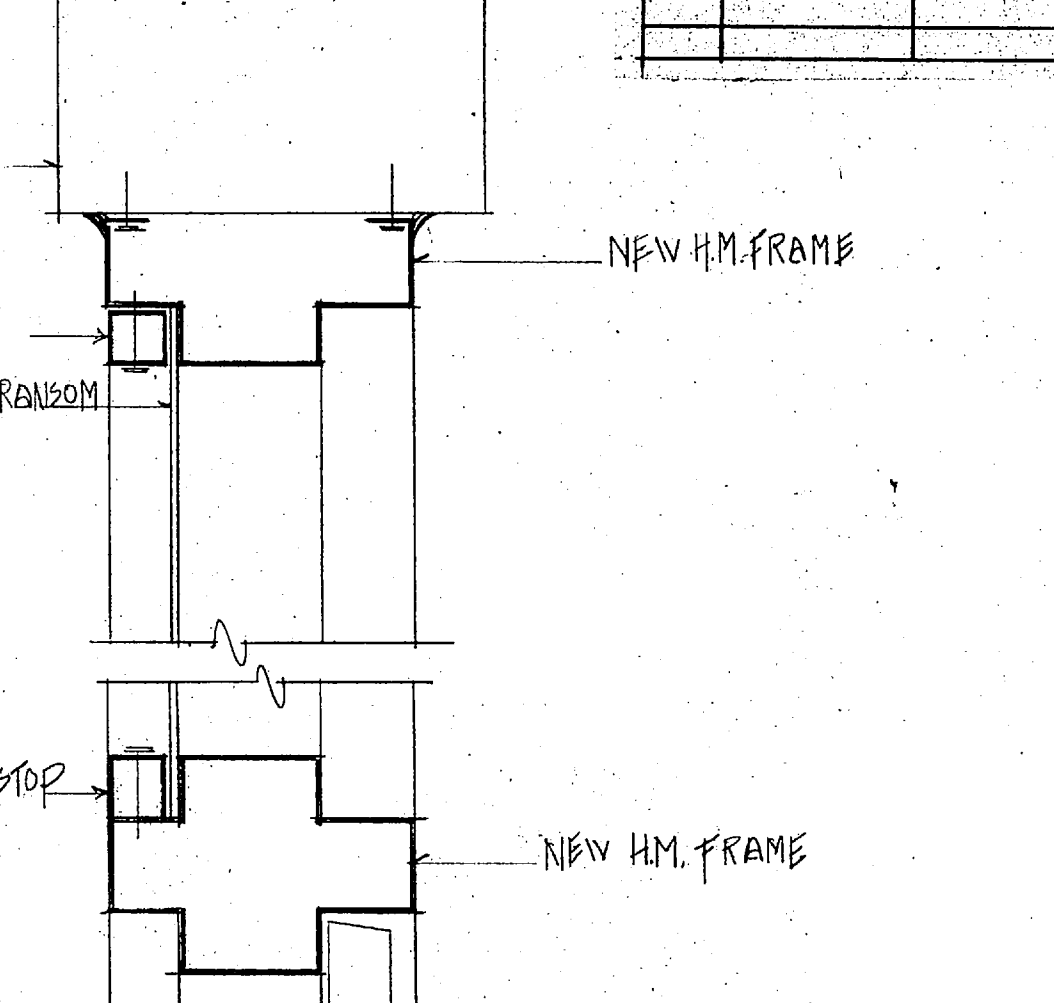
12 JAMB DETAIL DOOR NO. 3



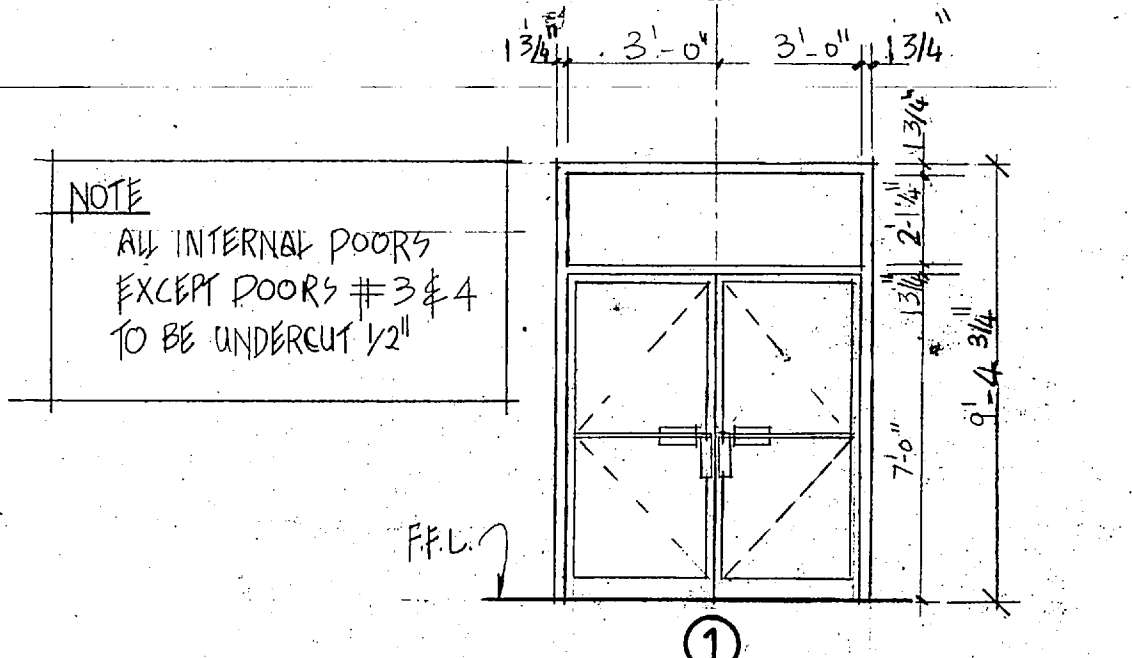
13 HEAD DETAIL DOOR NO. 2 & 4



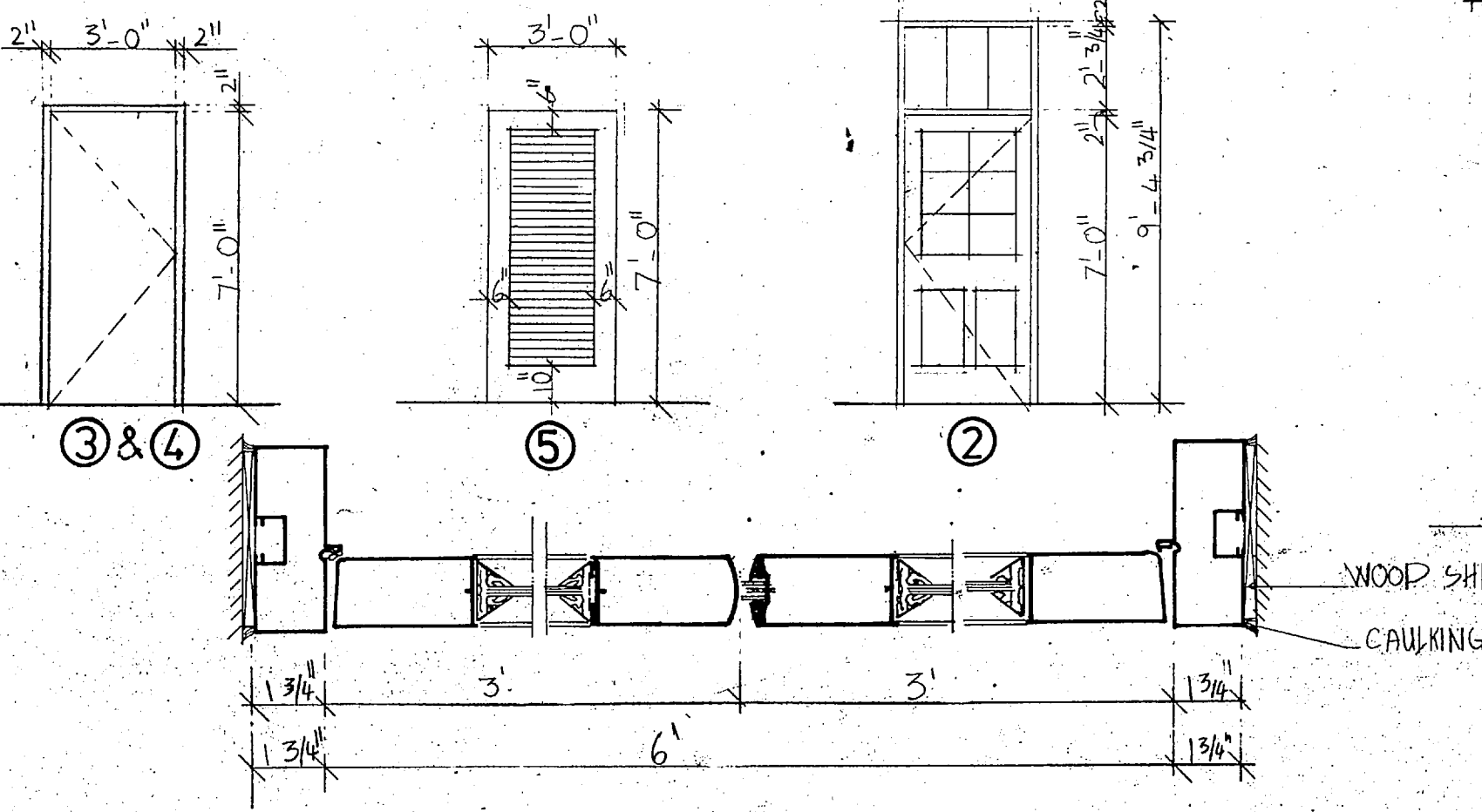
14 JAMB DETAIL DOOR NO. 2 & 4



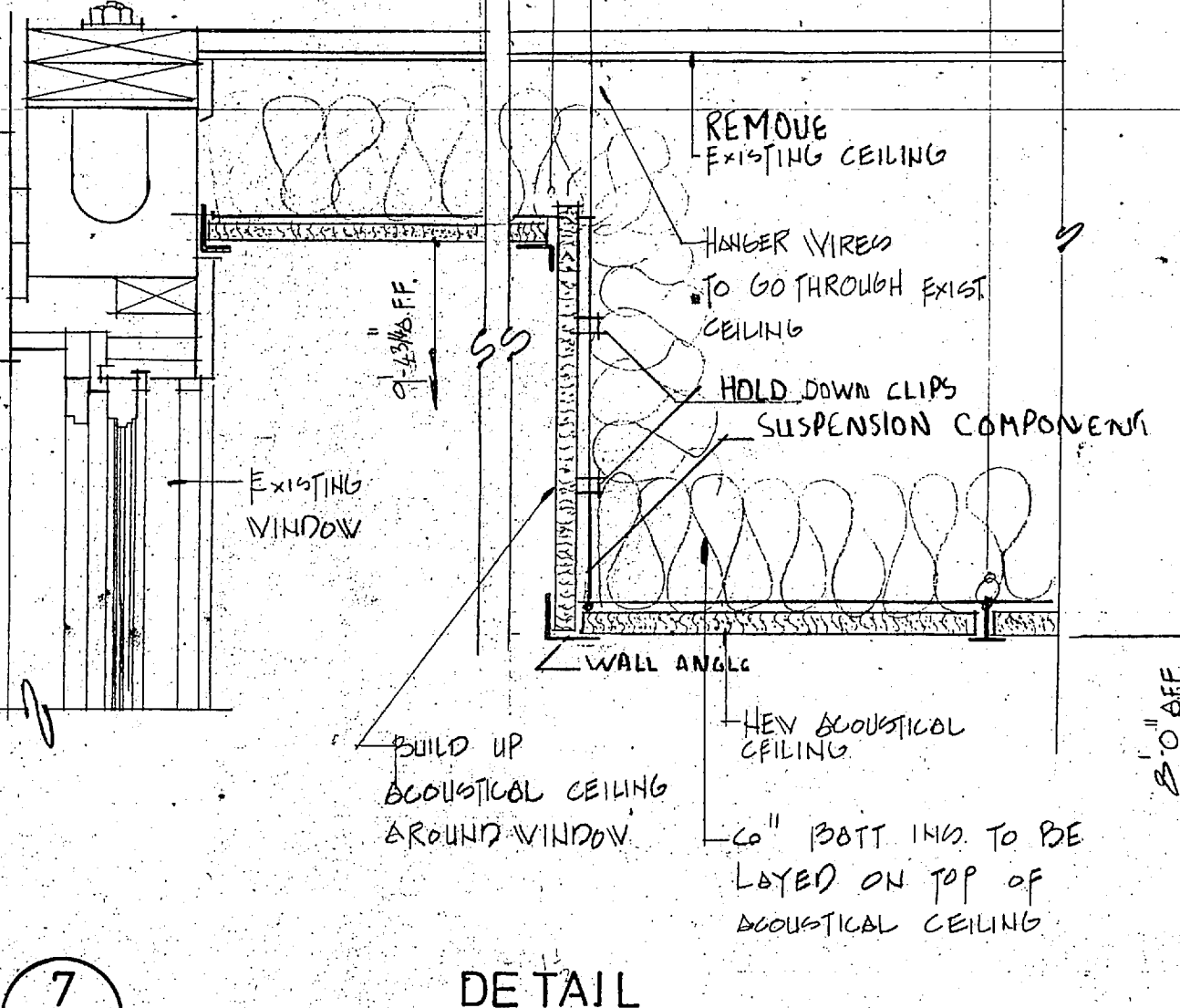
15 HEAD DETAIL DOOR NO. 2



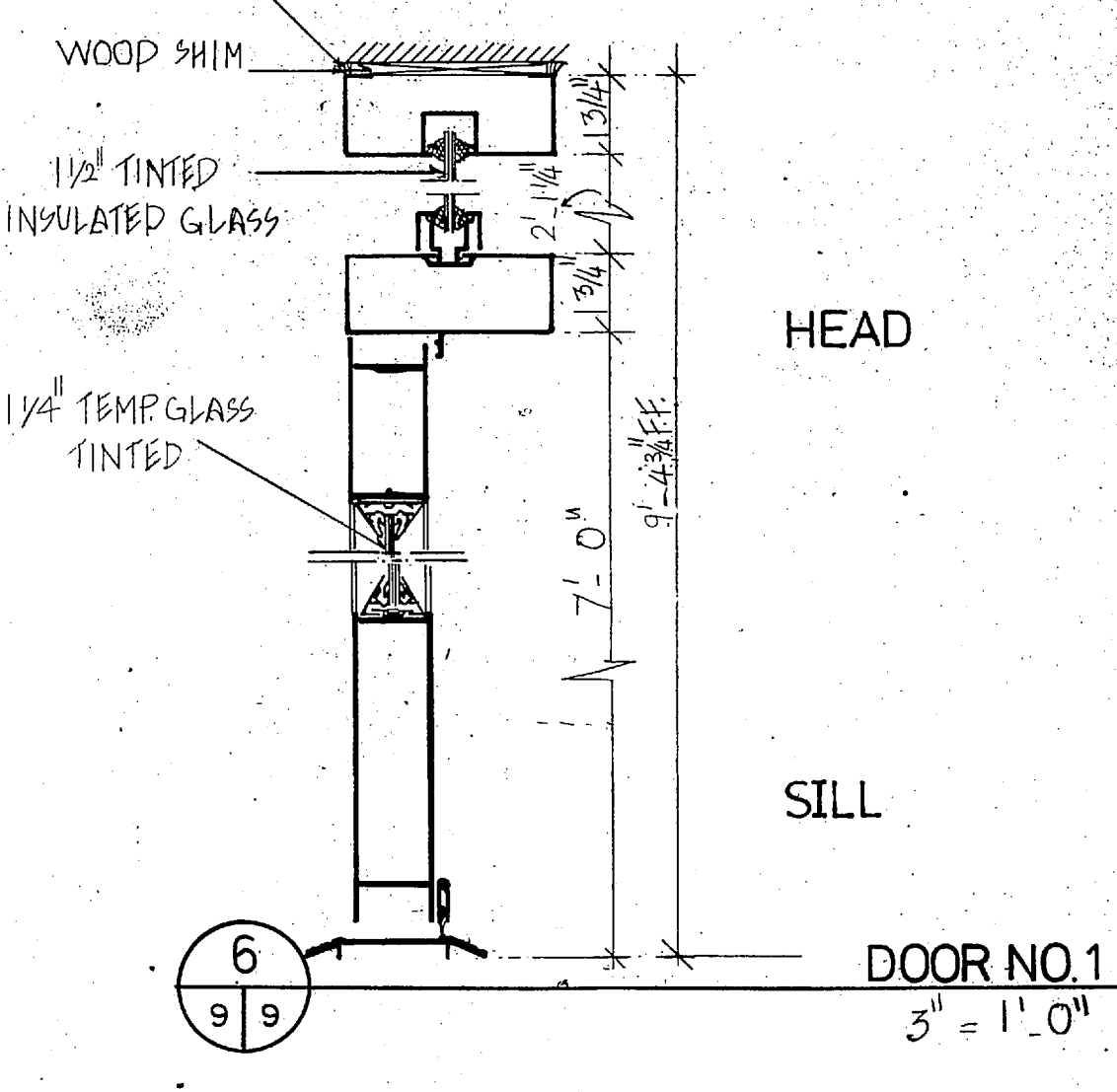
4 DOOR ELEVATIONS
1/4" = 1'-0"



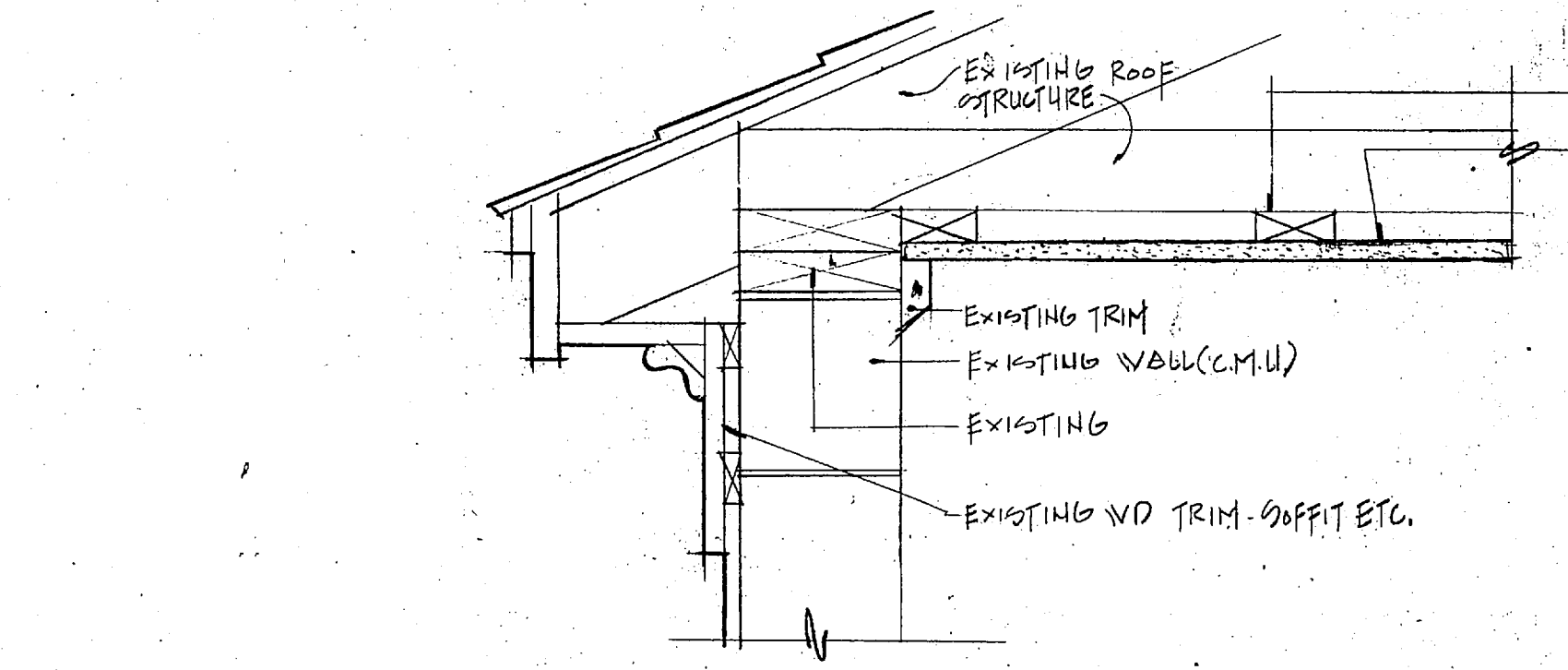
5 DOOR NO. 1 JAMB
3" = 1'-0"



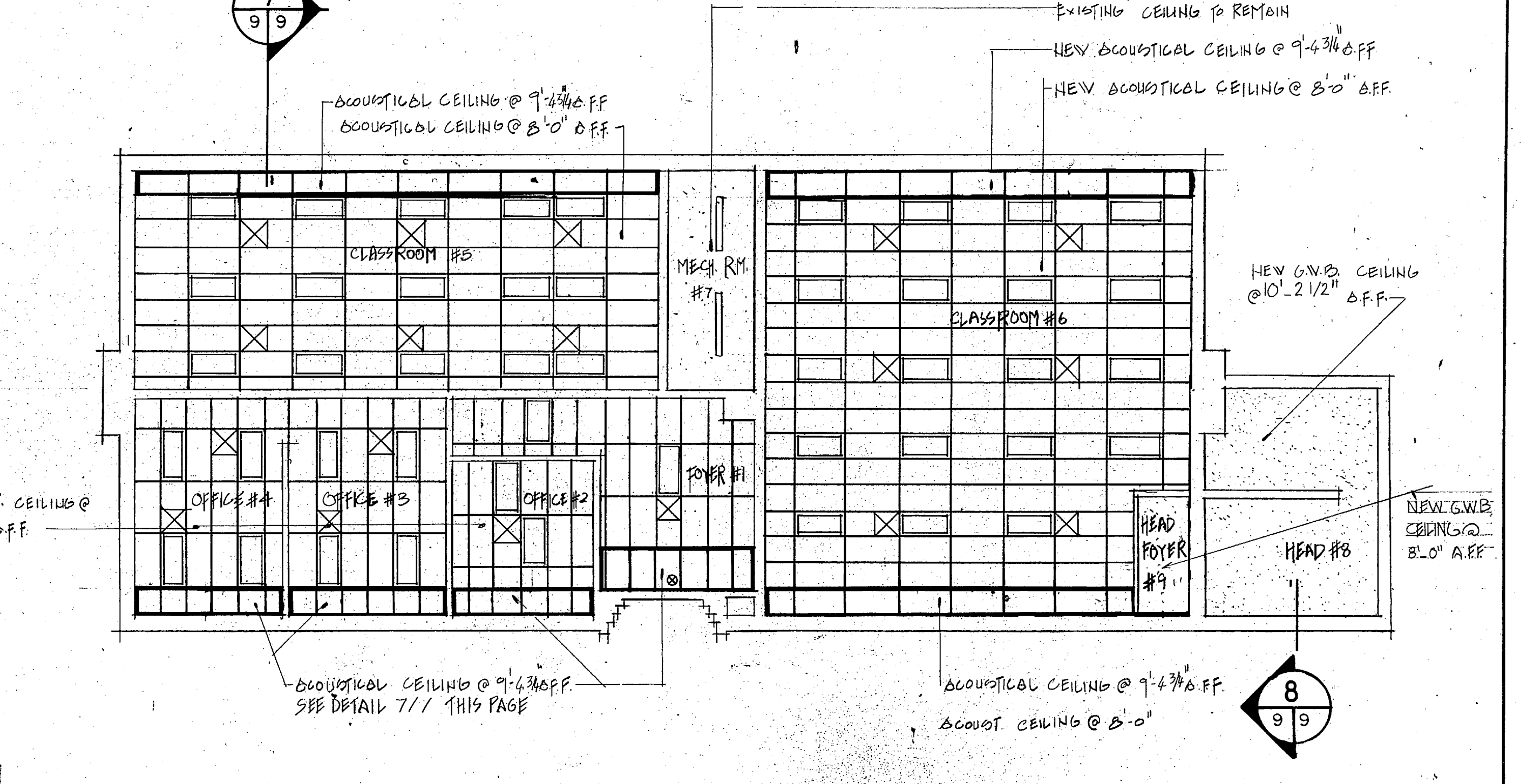
7 DETAIL
1/2" = 1'-0"



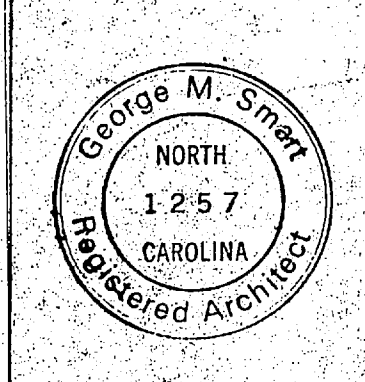
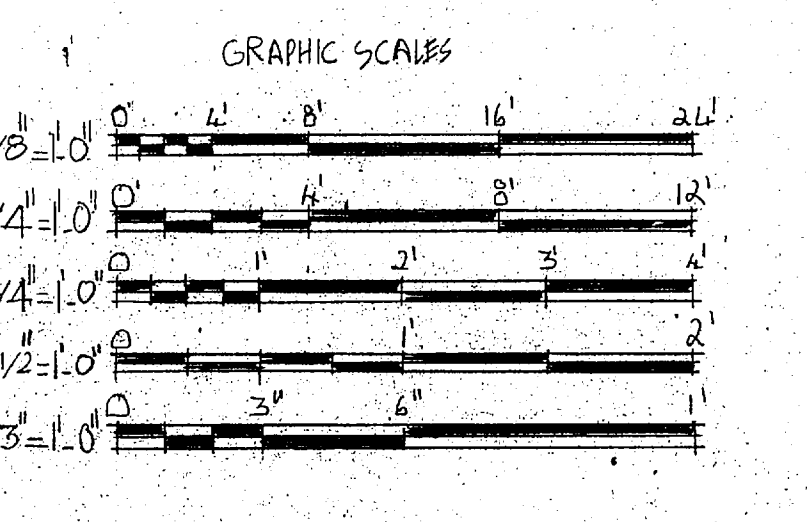
6 DOOR NO. 1
3" = 1'-0"



8 DETAIL
1/2" = 1'-0"



9 REFLECTED CEILING PLAN
1/8" = 1'-0"



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RALEIGH, NORTH CAROLINA

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

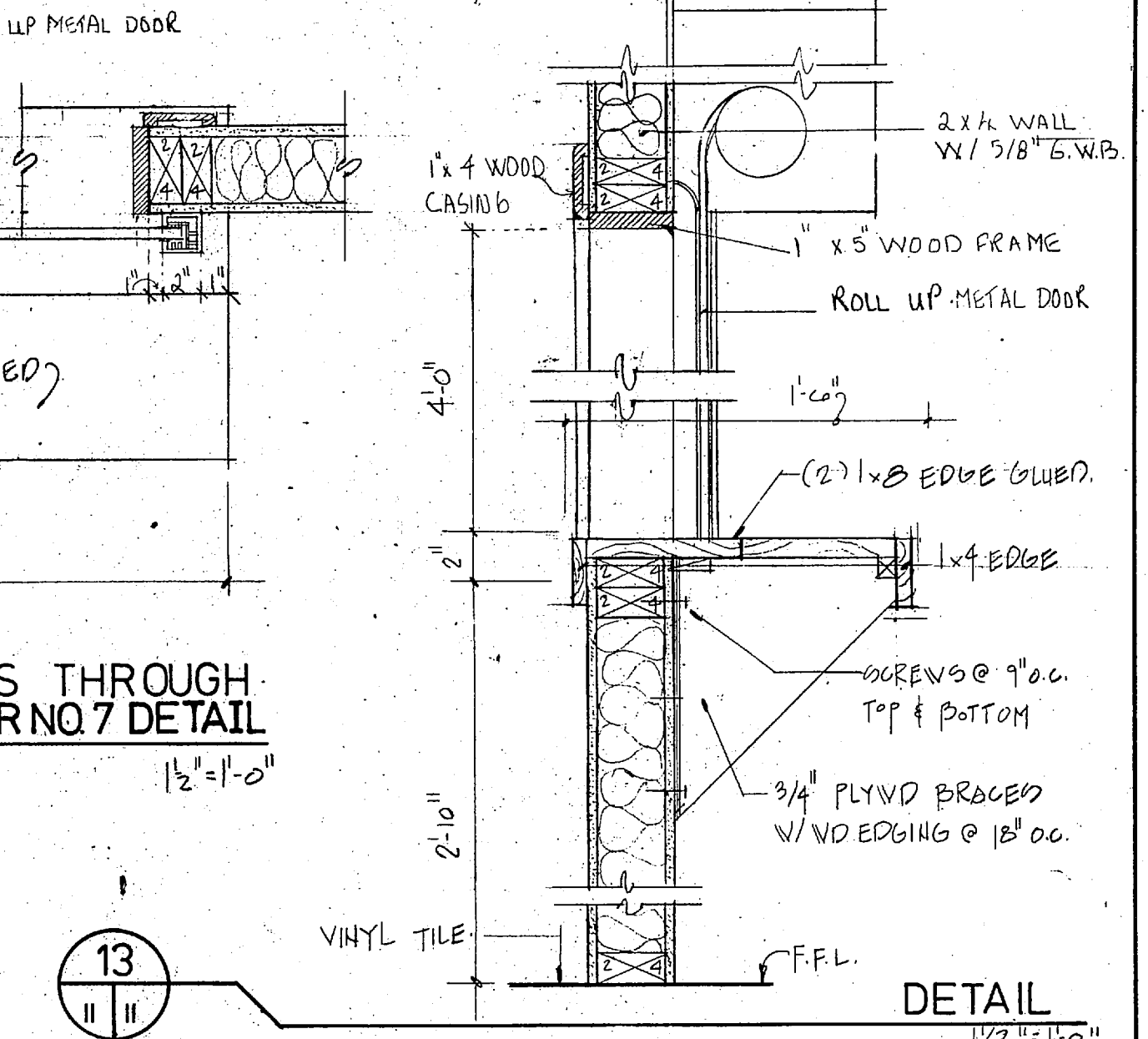
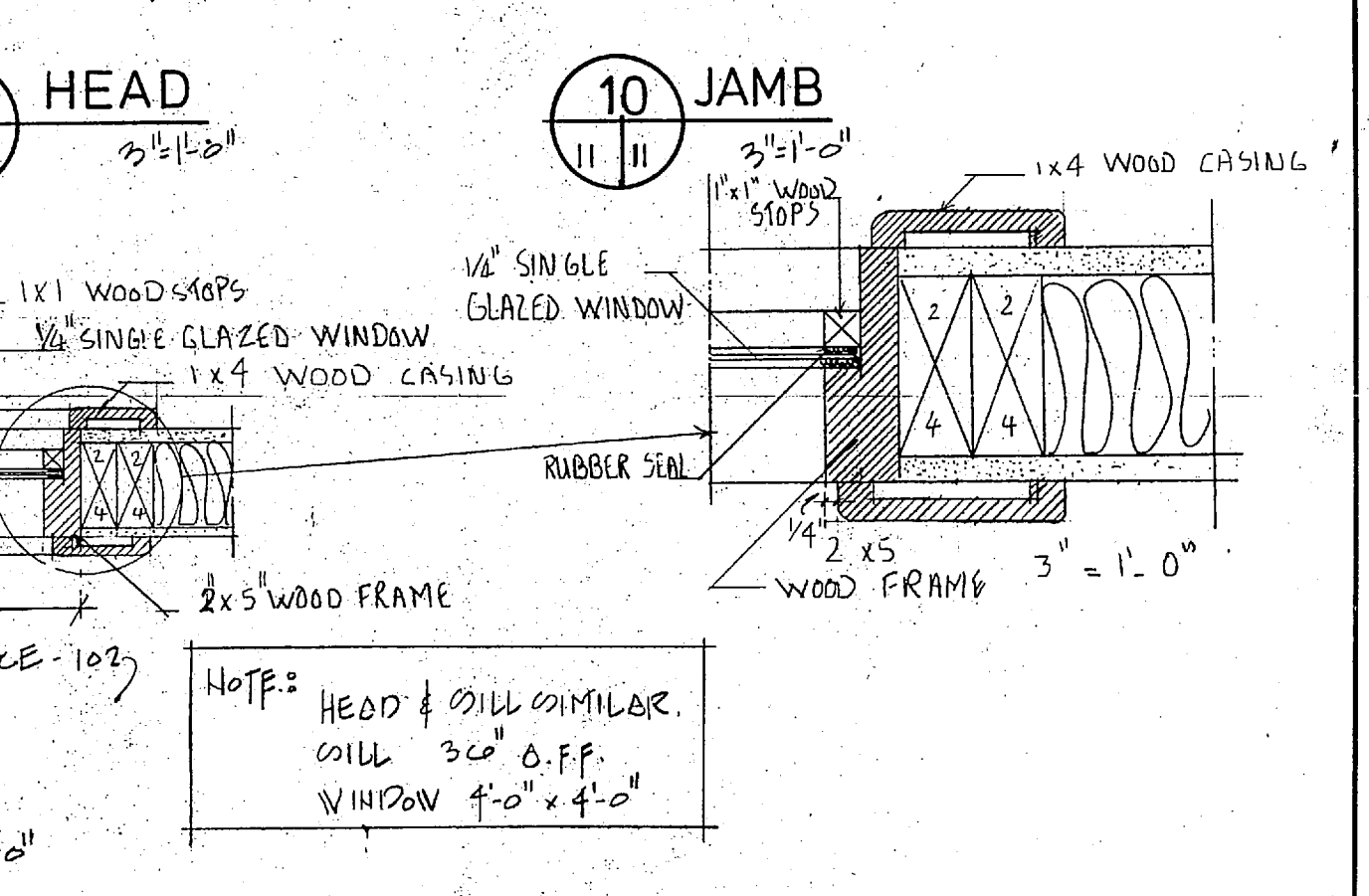
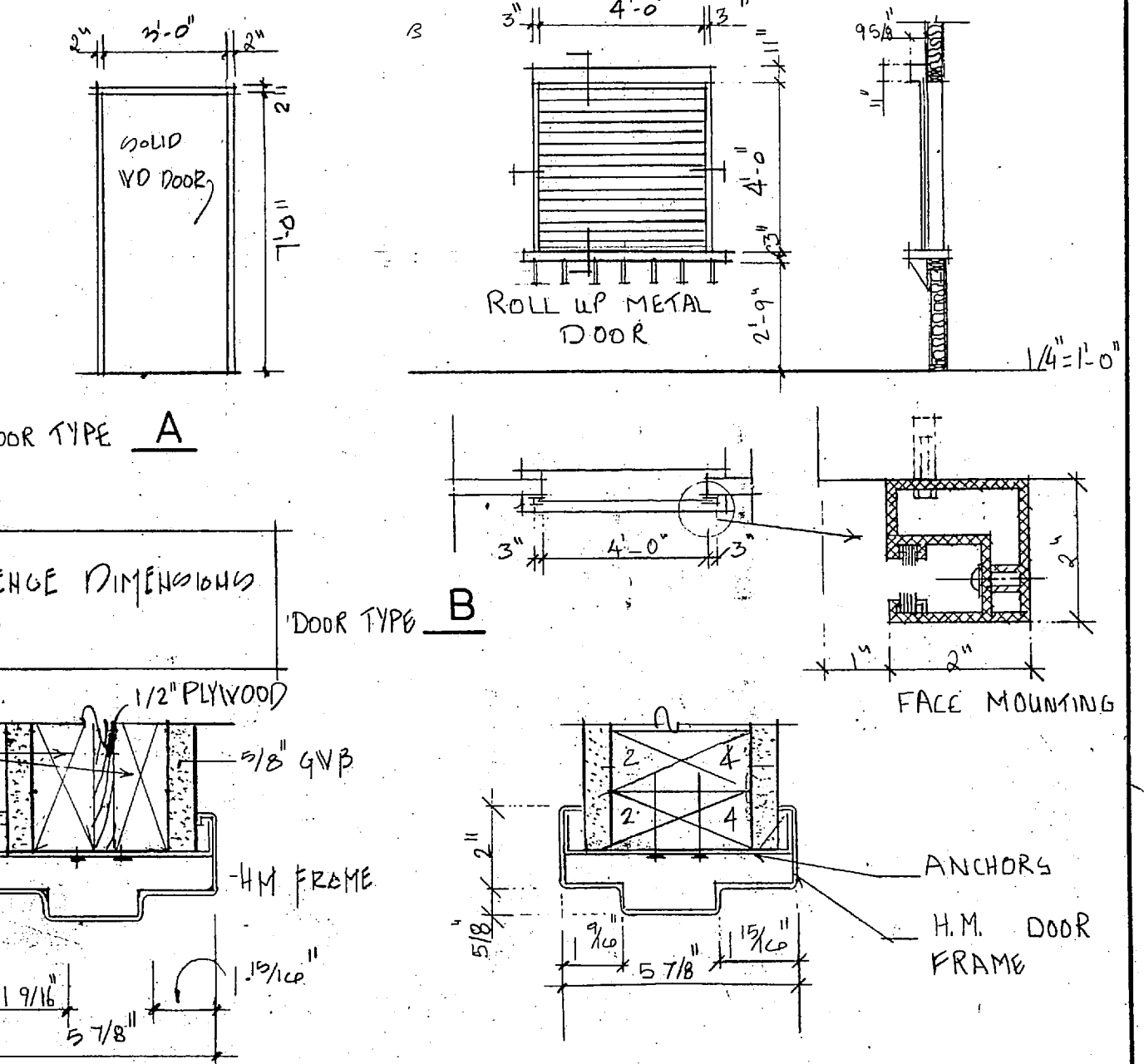
DES. LWD
DR. DBR + YM
CHK. LWD
SUBMITTED BY:
DESIGN DIR.
APPROVED: PWO OR OIC: DATE: SIZE: CODE IDENT. NO.: NAVFAC DRAWING NO.
SATISFACTORY TO: DATE: **F** 80091 4152567

RENOVATE BLDG. BB-37
FLOOR & CEILING PLANS
& MISC. DETAILS

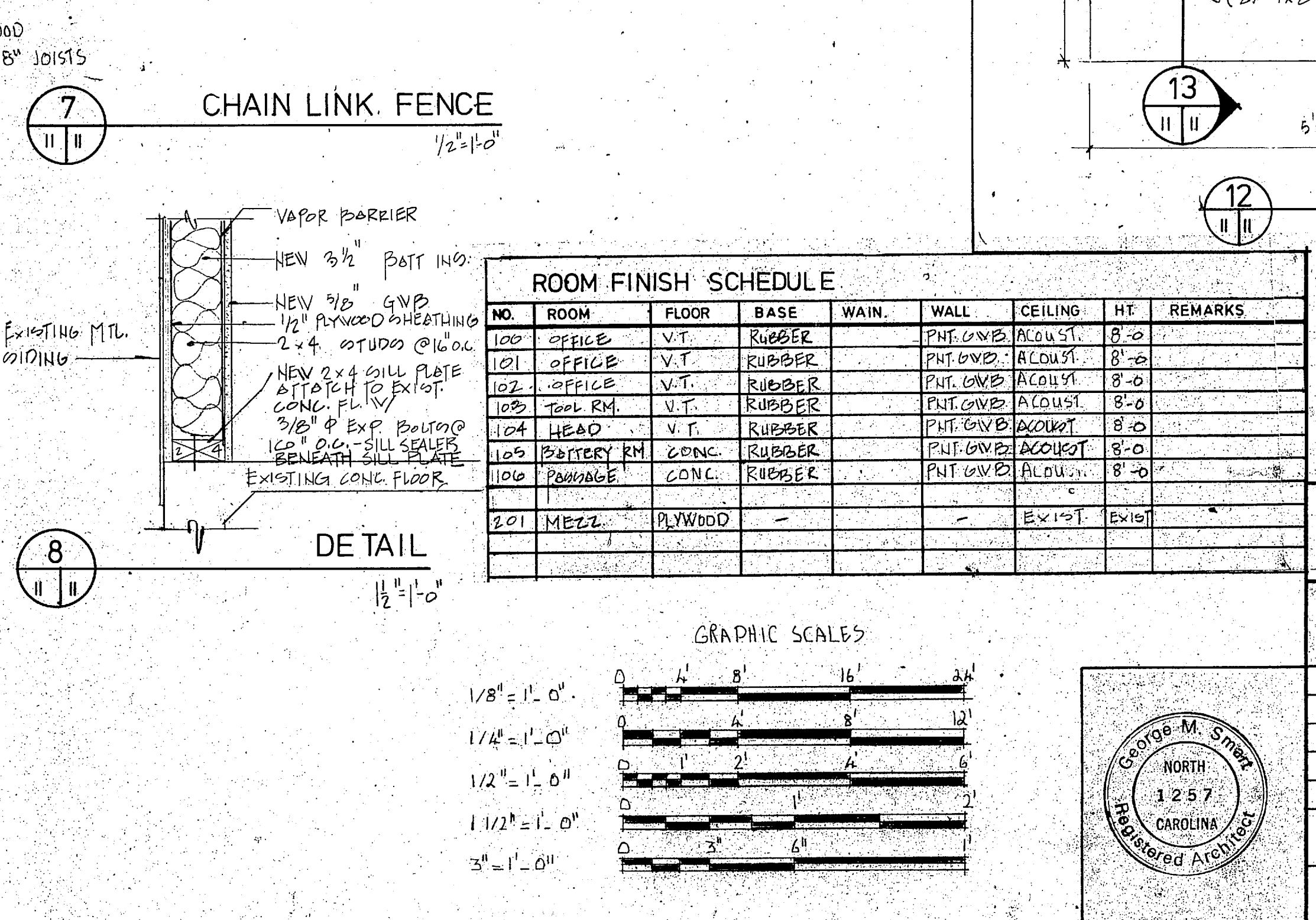
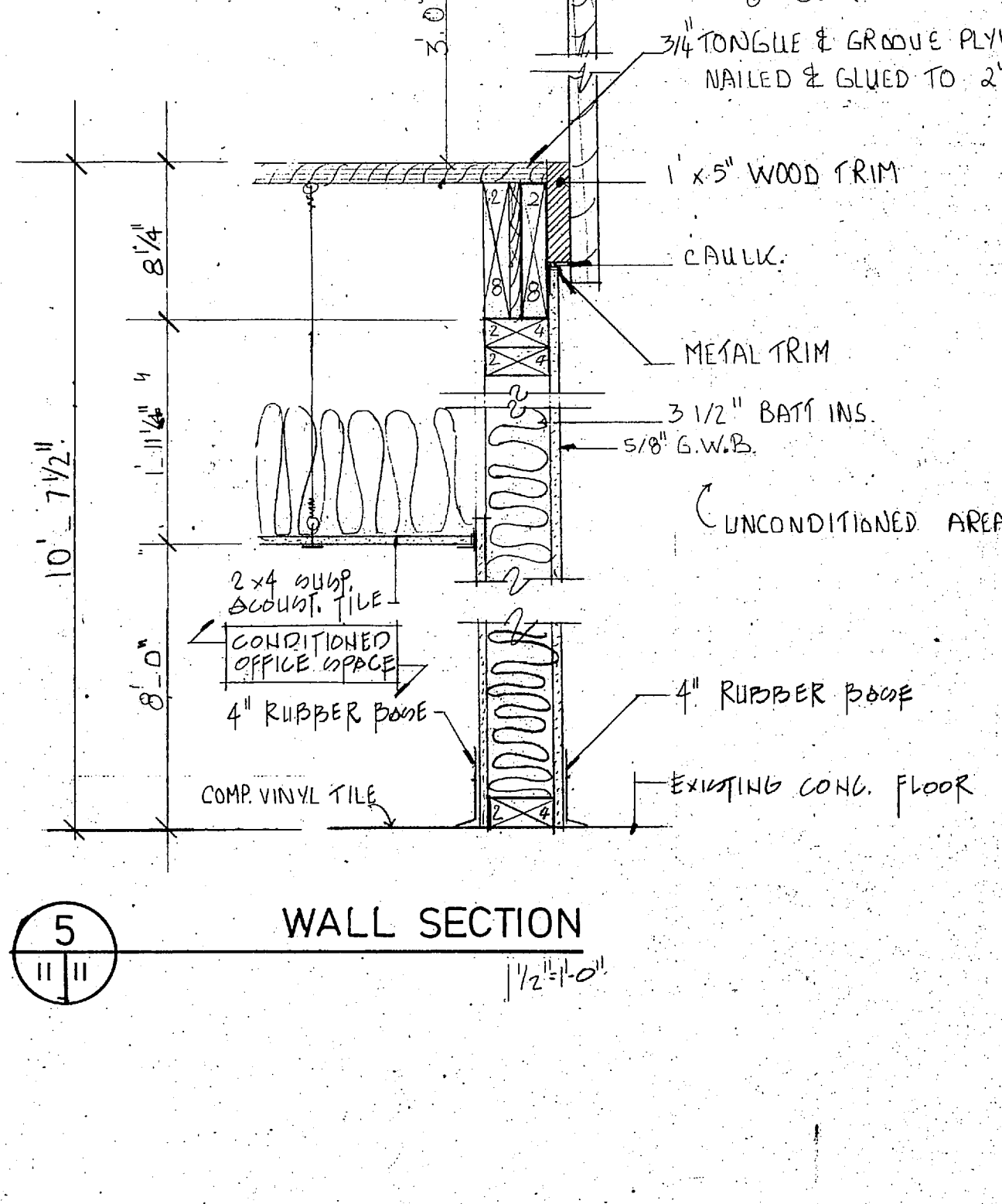
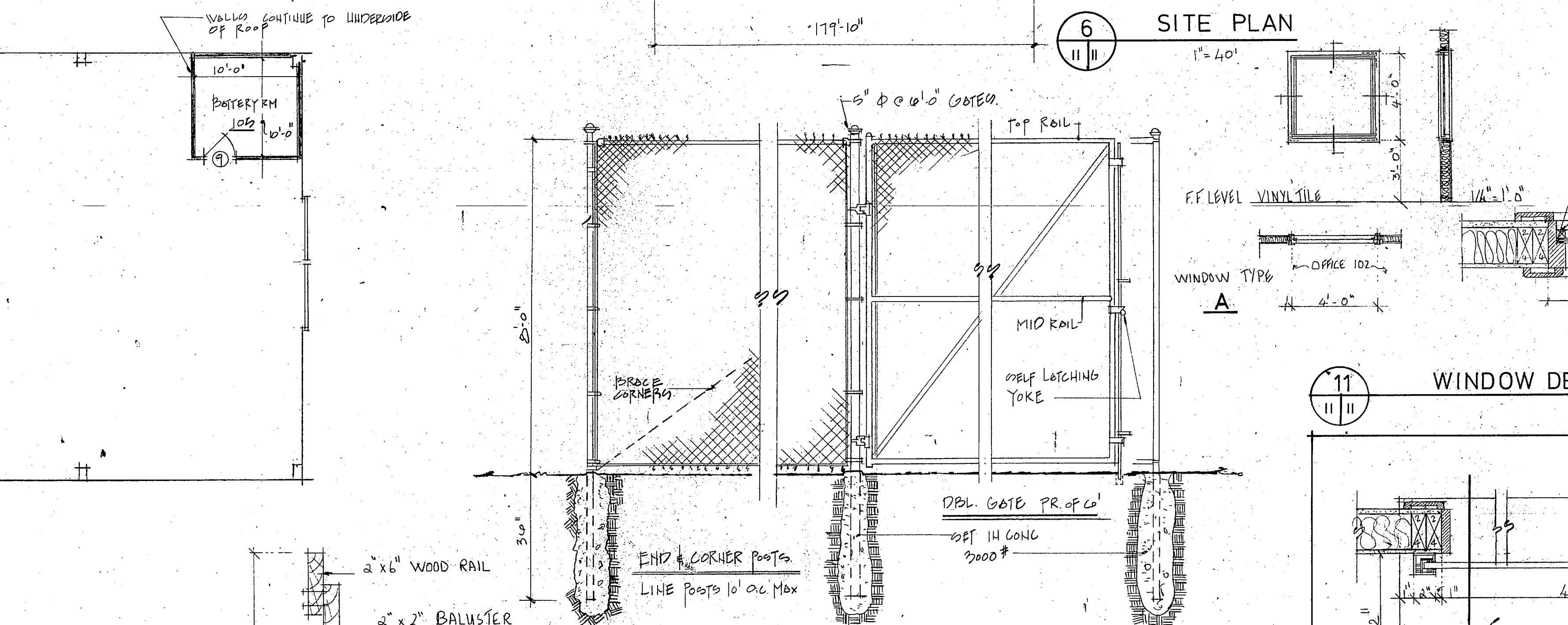
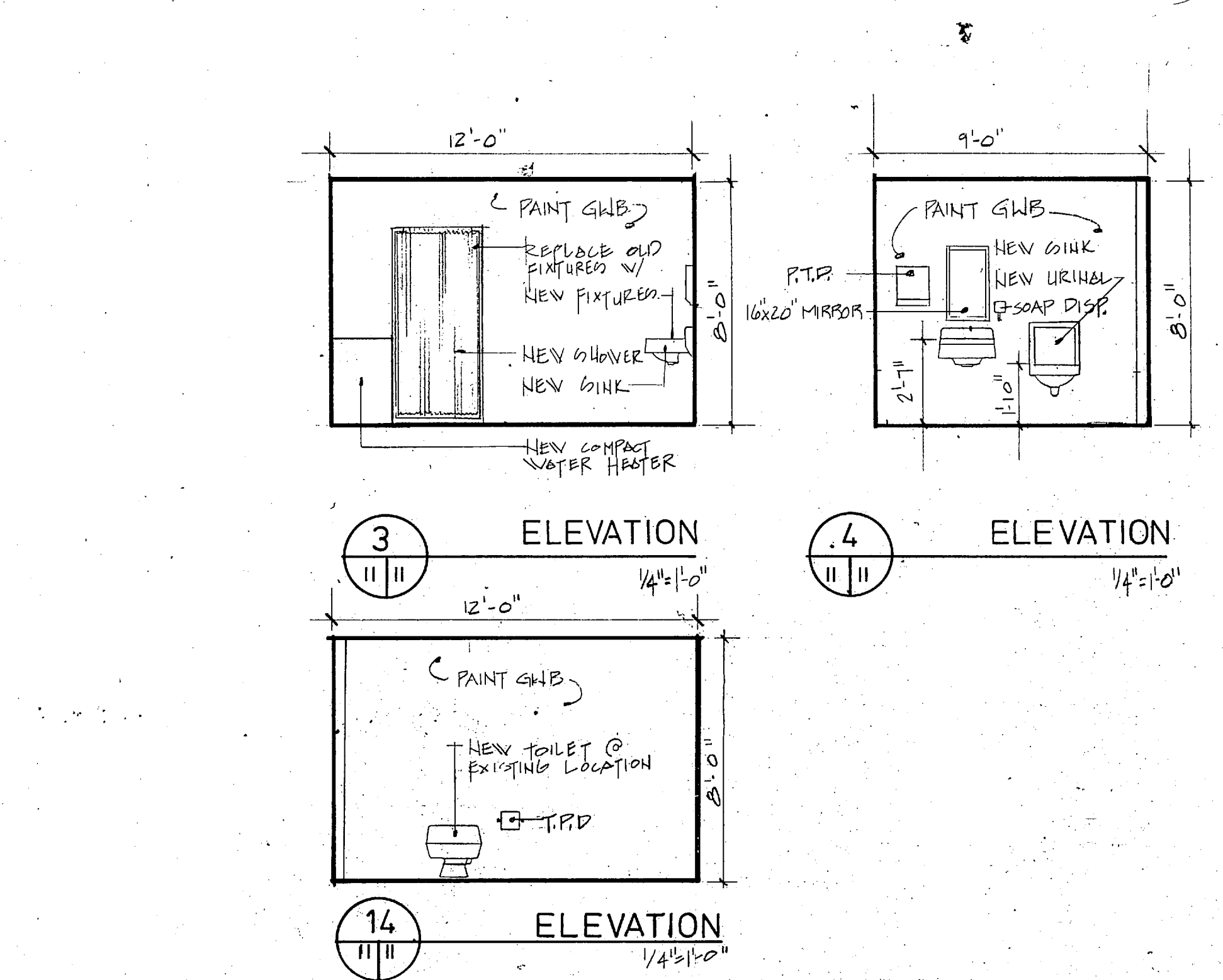
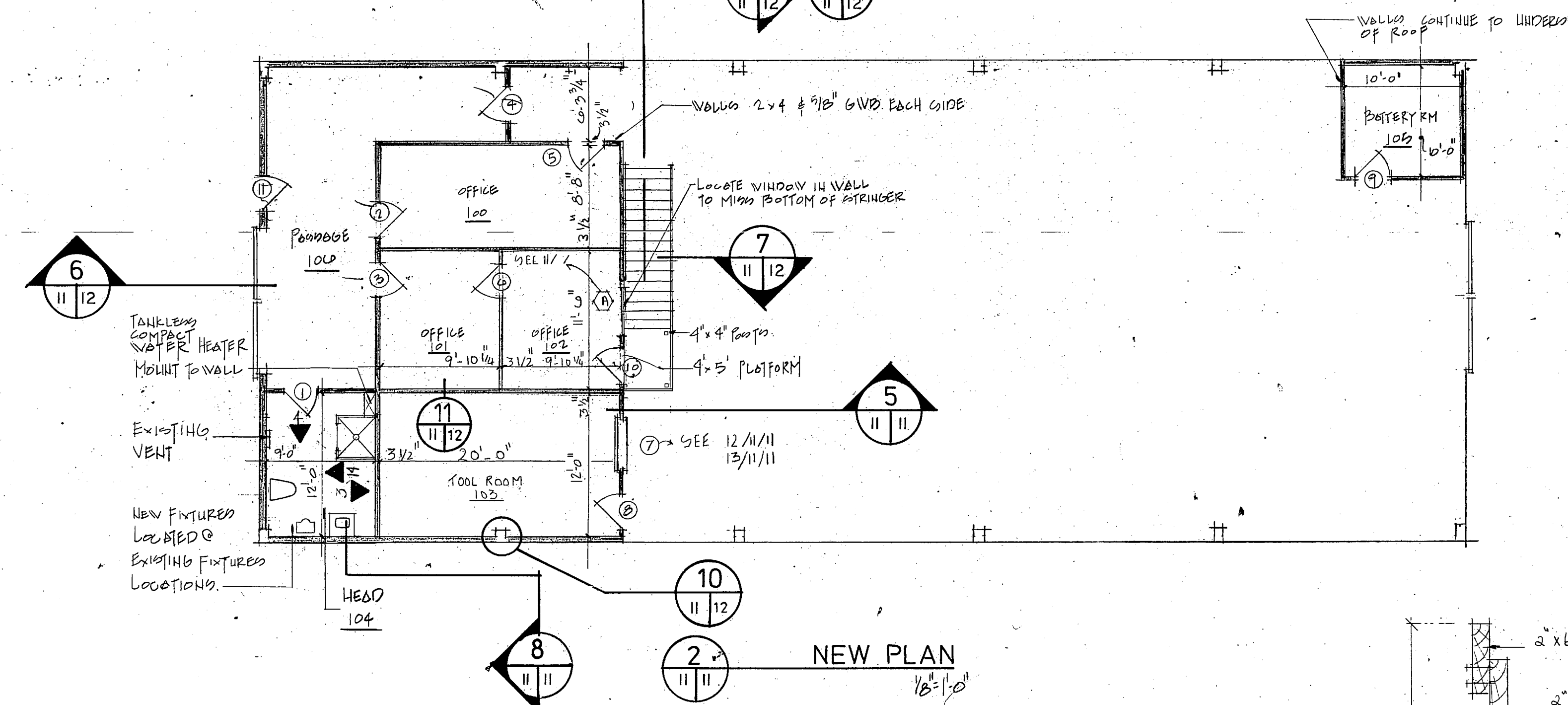
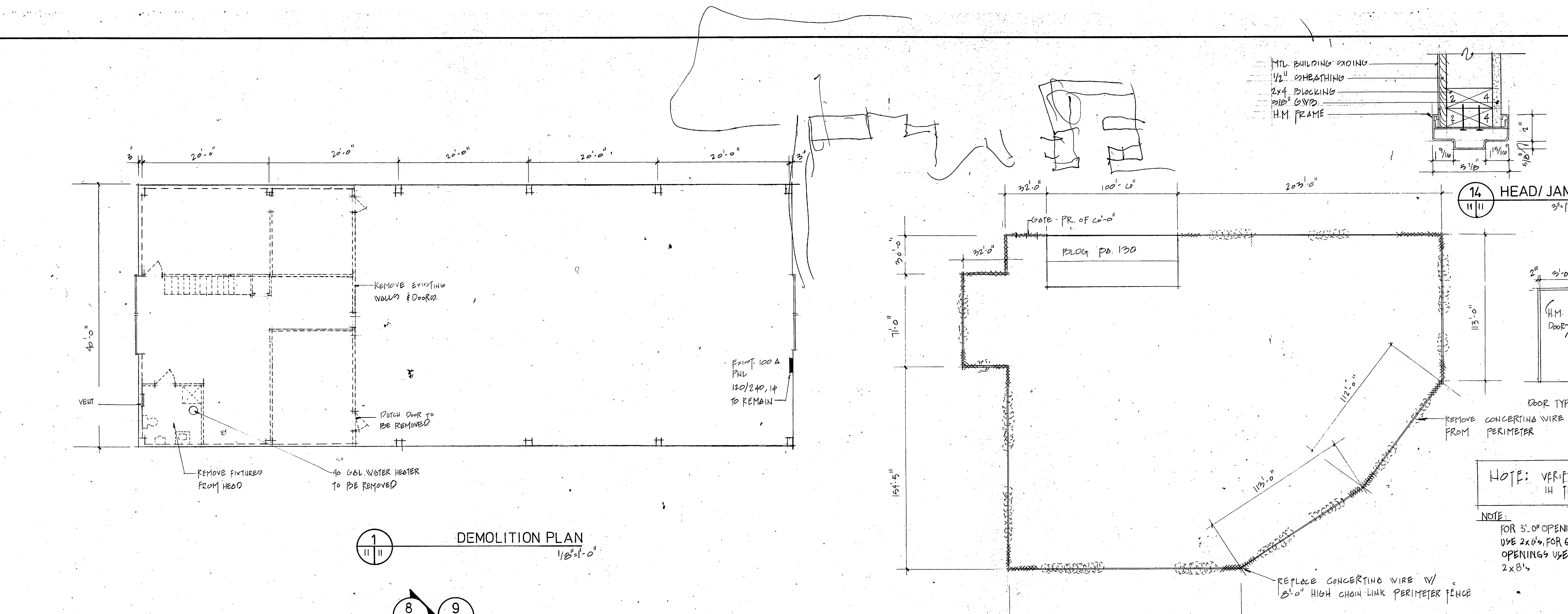
CONSTR. CONTR. NO. N62470-86-B-5441
SCALE: NOTED SPEC. 05-86-5441 SHEET 9 OF 20

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

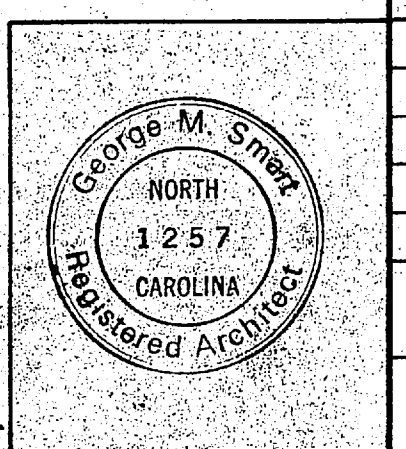
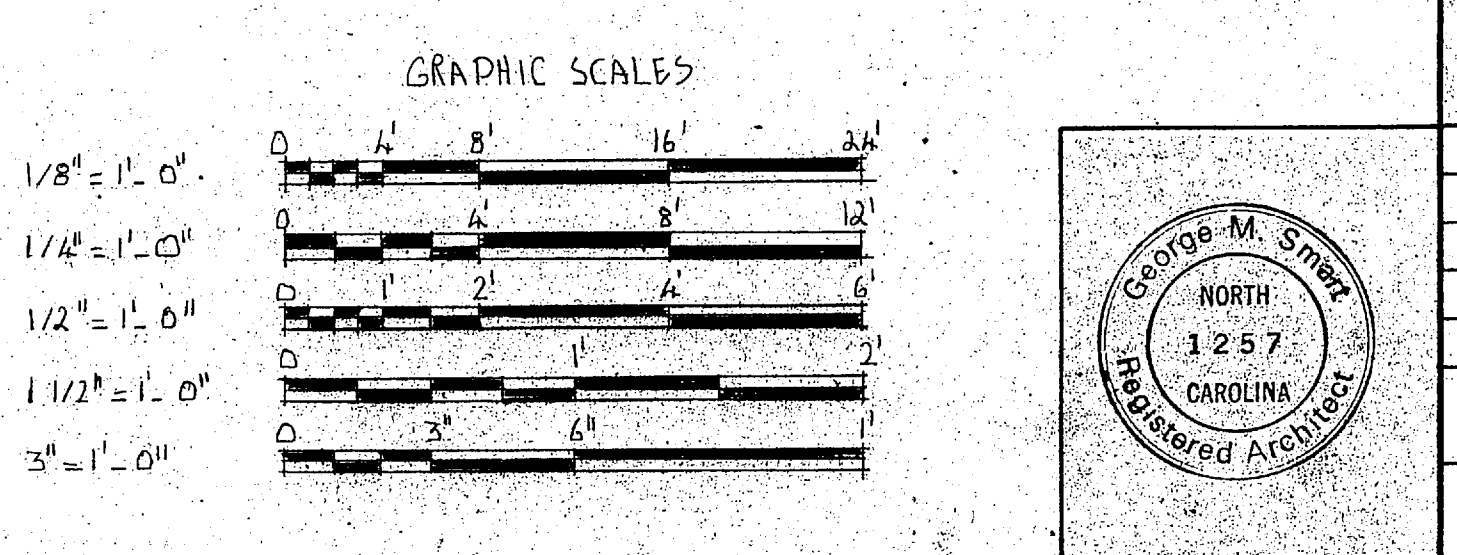
DOORS		FRAMES		REMARKS
NO.	TYPE	MATERIAL	FINISH	
1	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
2	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
3	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
4	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
5	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
6	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
7	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
8	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
9	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
10	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
11	6'-0" x 2'-0" H.M.	ALUM.	BRN.	
12	6'-0" x 2'-0" H.M.	ALUM.	BRN.	



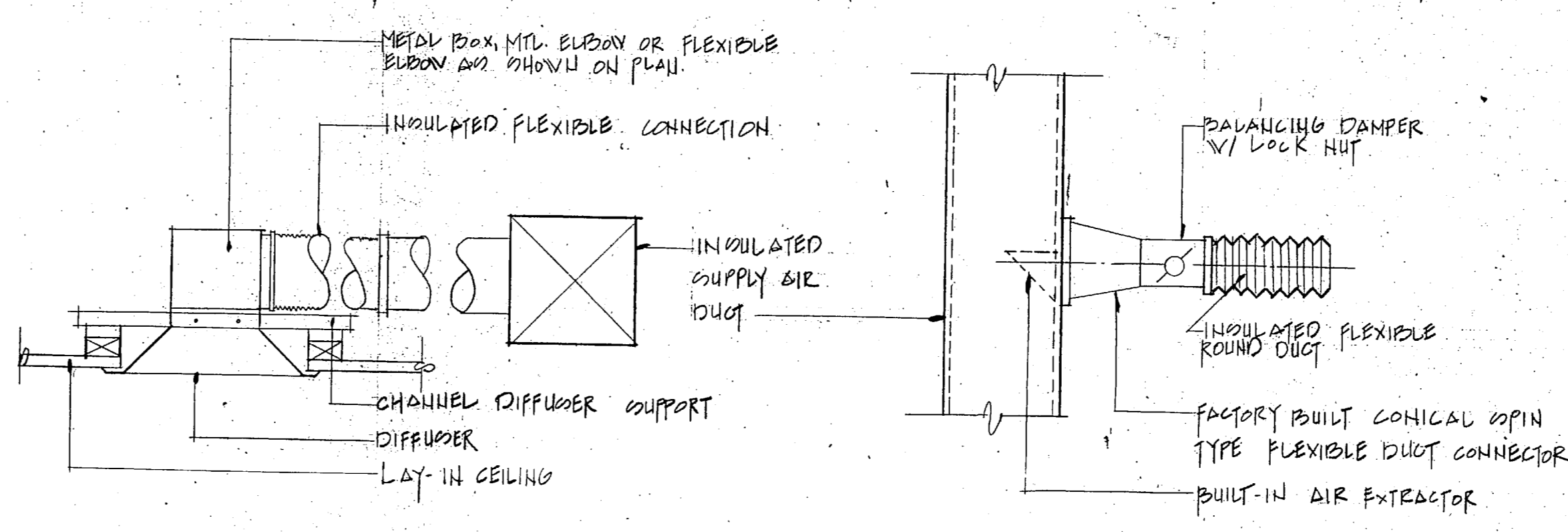
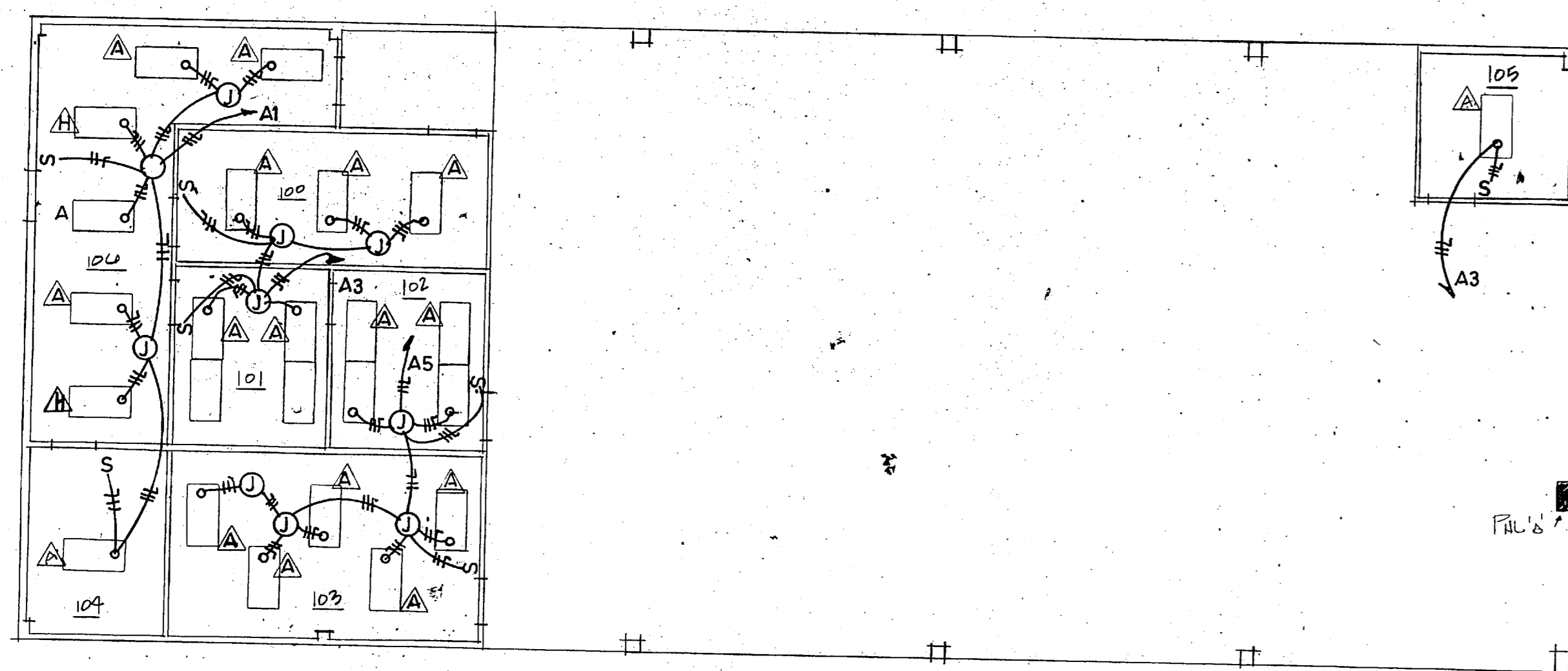
GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. LHP DR. DBR 4/74 CHK. LHP SUBMITTED BY: DESIGN DIR. APPROVED: PWD OR DIC	DATE DATE DATE	SIZE F SCALE: NOTED	CODE IDENT. NO. 80091 SPEC. 05-86-5441
NAVFAC DRAWING NO. 4152569		CONSTR. CONTR. NO. NS2470-86-B-5441	
SHEET 11		OF 20	



NO.	ROOM	FLOOR	BASE	WAIN.	WALL	CEILING	HT.	REMARKS
101	OFFICE	V.T.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
102	OFFICE	V.T.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
103	SOUL RM.	V.T.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
104	HEAD	V.T.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
105	BATTERY RM	CONC.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
106	POUNCE	CONC.	RUBBER	PNT. GWB.	ALOU.	ALOU.	8'-0"	
201	MEZZ.	ALWOOD	-	-	-	-	8'-0"	EXIST. GWB.



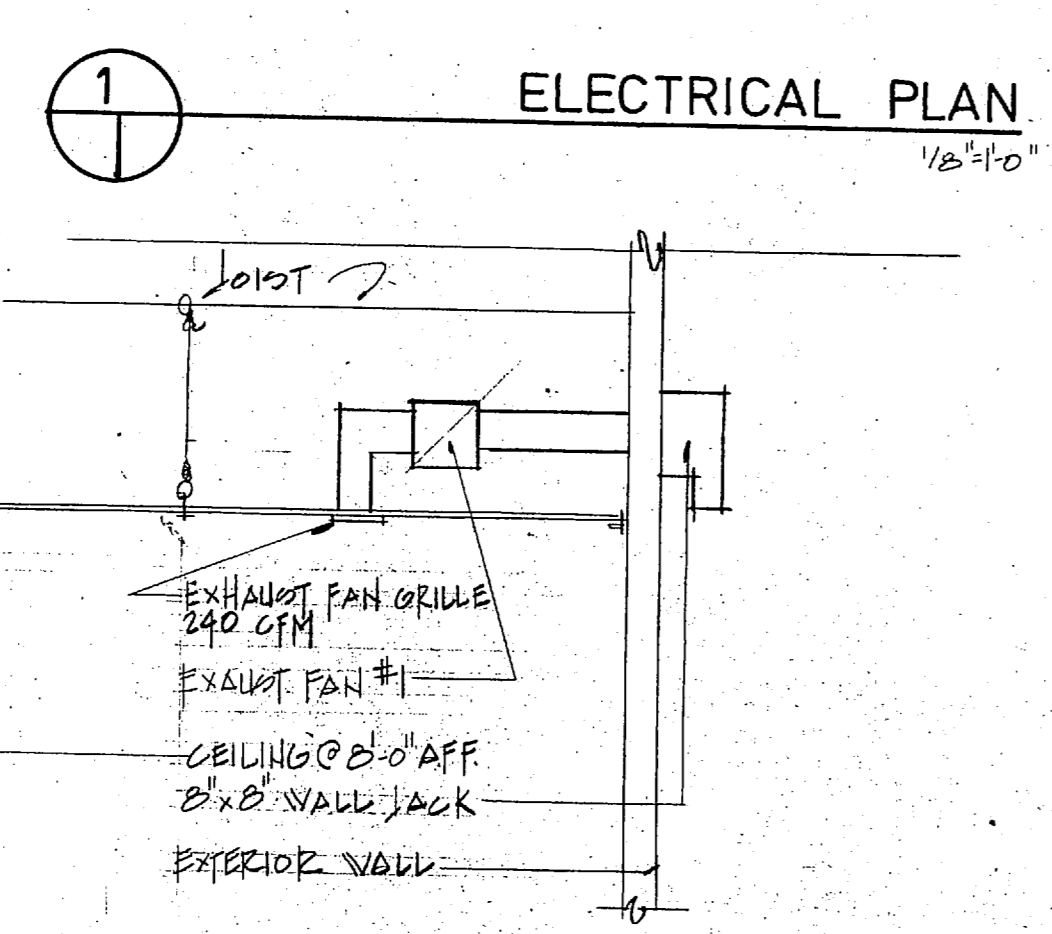
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



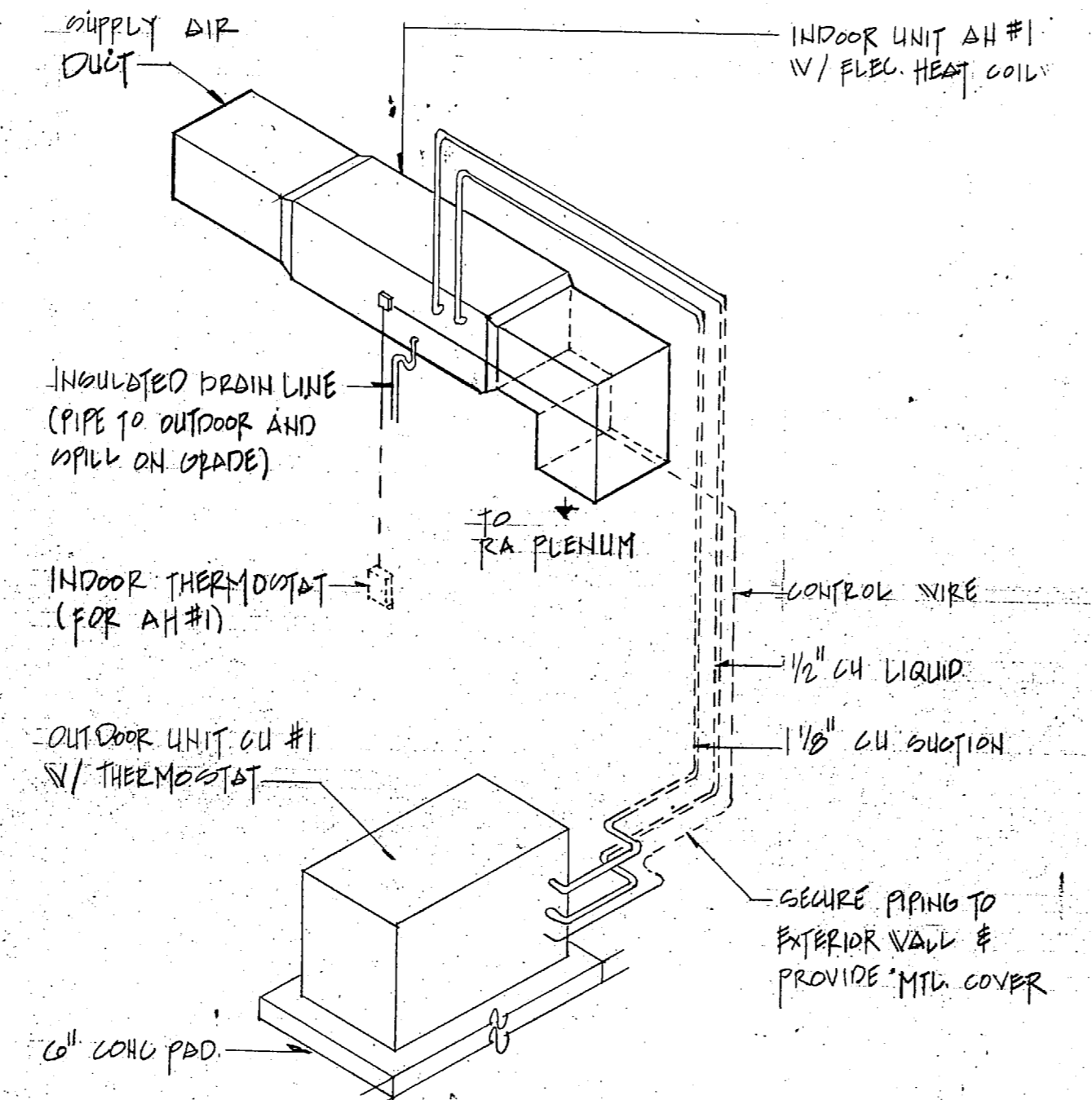
5 CEIL. DIFFUSER BRANCH DUCTS
NTS

6 FLEXIBLE DUCT TAKE-OFF
NTS

LIGHT FIXTURE SCHEDULE					
FIXTURE SYMBOL	SYMBOL & TYPE OF SPEC.	NUMBER & TYPE OF LAMPS	VOLT	MOUNTING	REMARKS
△	NL-3, TYPE C	2-300	120	LAY-IN	
△	NL-2, TYPE A	2-300	120	SURFACE	
△	NL-2, TYPE C	2-300	120	LAY-IN	BATTERY UNIT
△	NL-4B	-	120	CLG.	SELF-POWERED



2 EXHAUST FAN DETAIL
NTS



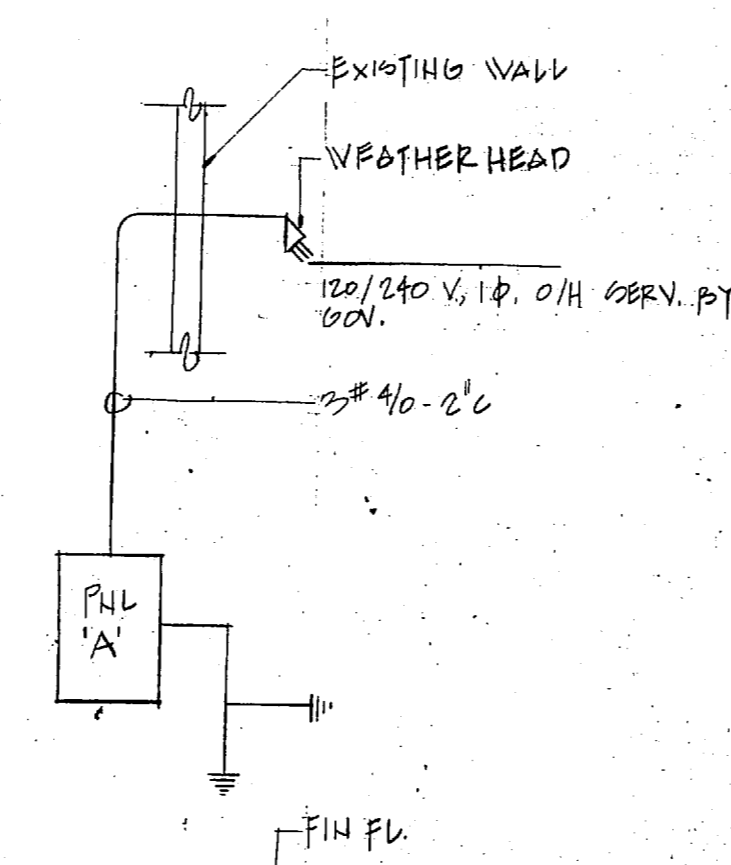
3 TYPICAL A/C EQUIPMENT DIAGRAM
NTS

ELECTRICAL SYMBOL SCHEDULE	
△	FLUORESCENT LIGHT FIXTURE - LETTER DESIGN TYPE
□	LIGHTING & POWER PANEL
⊕	JUNCTION BOX
⊖	DUPLEX RECEPTACLE, 125V, 20 AMP, ROUND TYPE, MOUNT
⊙	LIGHT SWITCH, SINGLE POLE, MOUNT 9/16" OFF TO CENTER OF PLATE
⊕⊖	FAN JUNCTION W/ SWITCH ABOVE CEILING, EXTEND & CONNECT TO EXHAUST FAN AS SHOWN
⊕⊖	HOMEBUILT PIPING, HATCH MARKS INDICATE NUMBER OF WIRES IN A CONDUIT, (L) INDICATES GROUND WIRE
⊕⊖	CONDUIT & WIRES - HATCH MARKS INDICATE THE NUMBER OF WIRES IN A CONDUIT, (L) INDICATES GROUND WIRE
⊕⊖	DISCONNECT SWITCH, SEE DISCONNECT SWITCH SCHEDULE FOR DETAILS OF POLE, NEMA RATING AND (OE) POLE SIZE
⊕	ELECTRIC MOTOR

DISCONNECT SWITCH SCHEDULE					
MARK	AMPS	VOLTS	POLES	NEMA TYPE	POLE SIZE
D-1	100	240	2	3R	40
D-2	100	240	2	1	100

EXHAUST FAN SCHEDULE						
MARK	CFM	SP	VOLTS	MOUNTING	MANUFACT. NO.	REMARKS
EF#1	200	1/2"	120	WALL	-	-

DIFFUSER SCHEDULE						
MARK	CFM	INLET SIZE	DAMPER	SIZE	P.O.	REMARKS
△	200	10"	YES	12/12	.09	-
△	200	10"	YES	12/12	.09	-



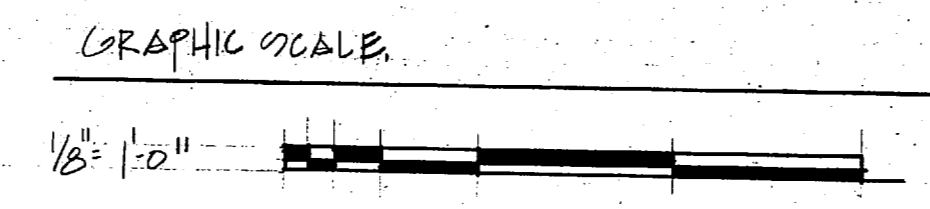
4 ONE LINE ELECTRICAL RISER DIAGRAM
NTS

HVAC SYMBOL SCHEDULE	
⊕	SUPPLY AIR DIFFUSER
⊖	RETURN AIR GRILLE
⊕⊖	FLEXIBLE INS. ROUND DUCT, MAX LENGTH: 6'-0"
⊕	THERMOSTAT, MID, 4'-0" AFF

AIR COOLED CONDENSING UNIT SCHEDULE - HEAT PUMP															
MARK	TO MBH	SH MBH	400T ΔT 75° DAT	COMPRESSOR			CONDENSER			REFRIG. CKTS.					
				NO INPUT	VOLTS	PH	R/L	EV	PH	NO	EV	LIQUID PIPE	OPERATING CHARGE		
CU#1	58	44	40	1	11	220/1	21	1/2	1	1/2	208/1	2.0	1 1/8"	1/2"	R-22

AIR HANDLING UNIT SCHEDULE - HEAT PUMP																				
UNIT DATA				DX COOLING COIL DATA				ELECT. COIL DATA												
MARK	CFM	ΔP	TOTAL	MPOR HP	EVAP. VOLUME	FILTER TYPE	FC MBH	ΔH MBH	ROW	CIRCUIT	FACE AREA	SPOT OF	BAT DDB°F	BAT WDB°F	LOT WDB°F	LOT VDB°F	FACE VELOCITY FPM	CHG. R/V	NO. PHASE	VOLTS
AH#1	2000	NONE	0.6	3/4	22.0	F16	22.0	44	2	ONE	10.0	40°	79°	68°	58°	59.9°	509	18.0	220/1	

LOAD SERVED	WATTS PER PHASE			WIRE SIZE	CONDUIT	NEUTRAL	CONDUIT	WIRE	WATTS PER PHASE			LOAD SERVED
	A	B	C						A	B	C	
L10												RECEP
L10												RECEP
L10												RECEP
EVH												RECEP
AH												EX. FAN
												SPARE
												CU #1



CONSULTANT: RAMAN AMIN ASSOC. RALEIGH, NC

GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA

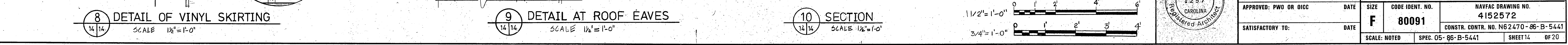
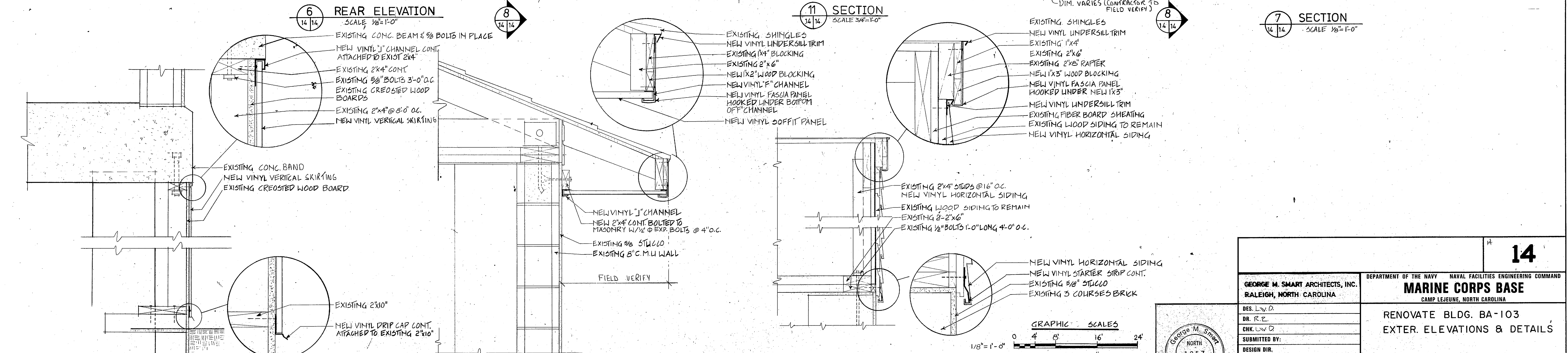
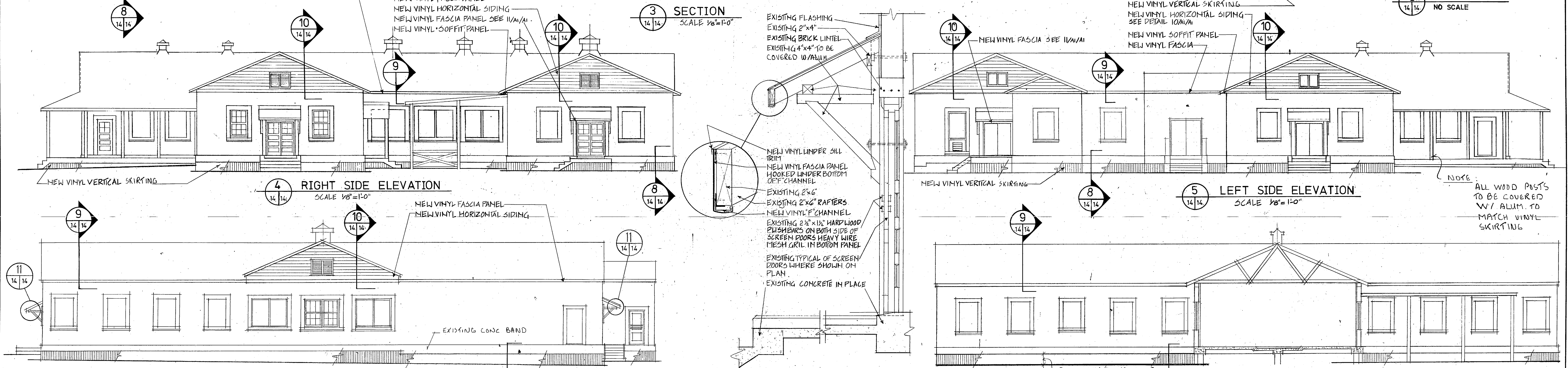
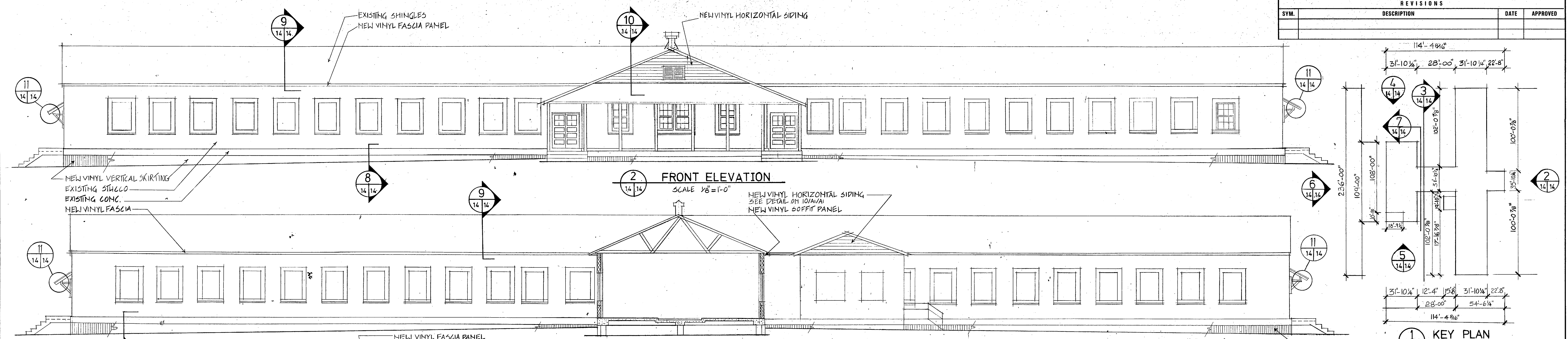
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA

RENOVATE BLDG. BA-130 ELEC. PLAN, SCHEDULES & DETAILS

DES. R. A. DR. D. B. E. CHK. R. A. SUBMITTED BY: DESIGN DR. APPROVED: PWO OR DIC. DATE: SIZE: CODE IDENT. NO. 80091 NAVFAC DRAWING NO. 4152571 SATISFACTORY TO: DATE: SCALE: NOTED SPEC. 05-86-5441 SHEET 13 OF 20

13

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



10 SECTION
SCALE 1/4"=1'-0"

GRAPHIC SCALES

1/8" = 1'-0"
1/2" = 1'-0"
3/4" = 1'-0"

14

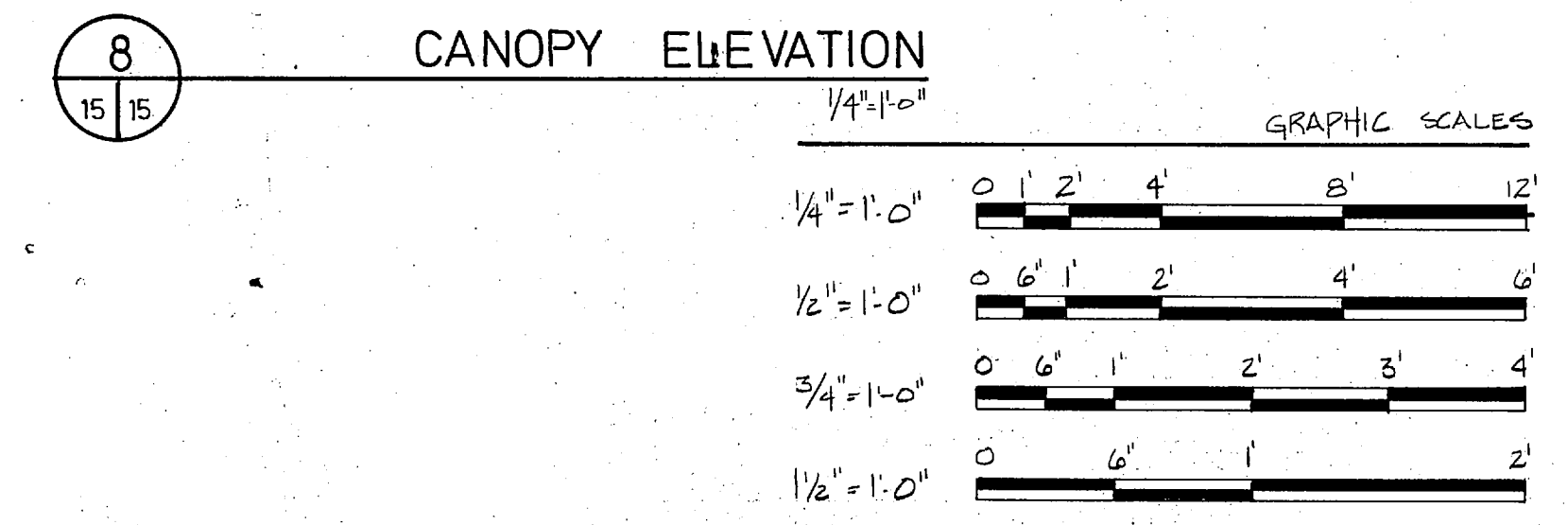
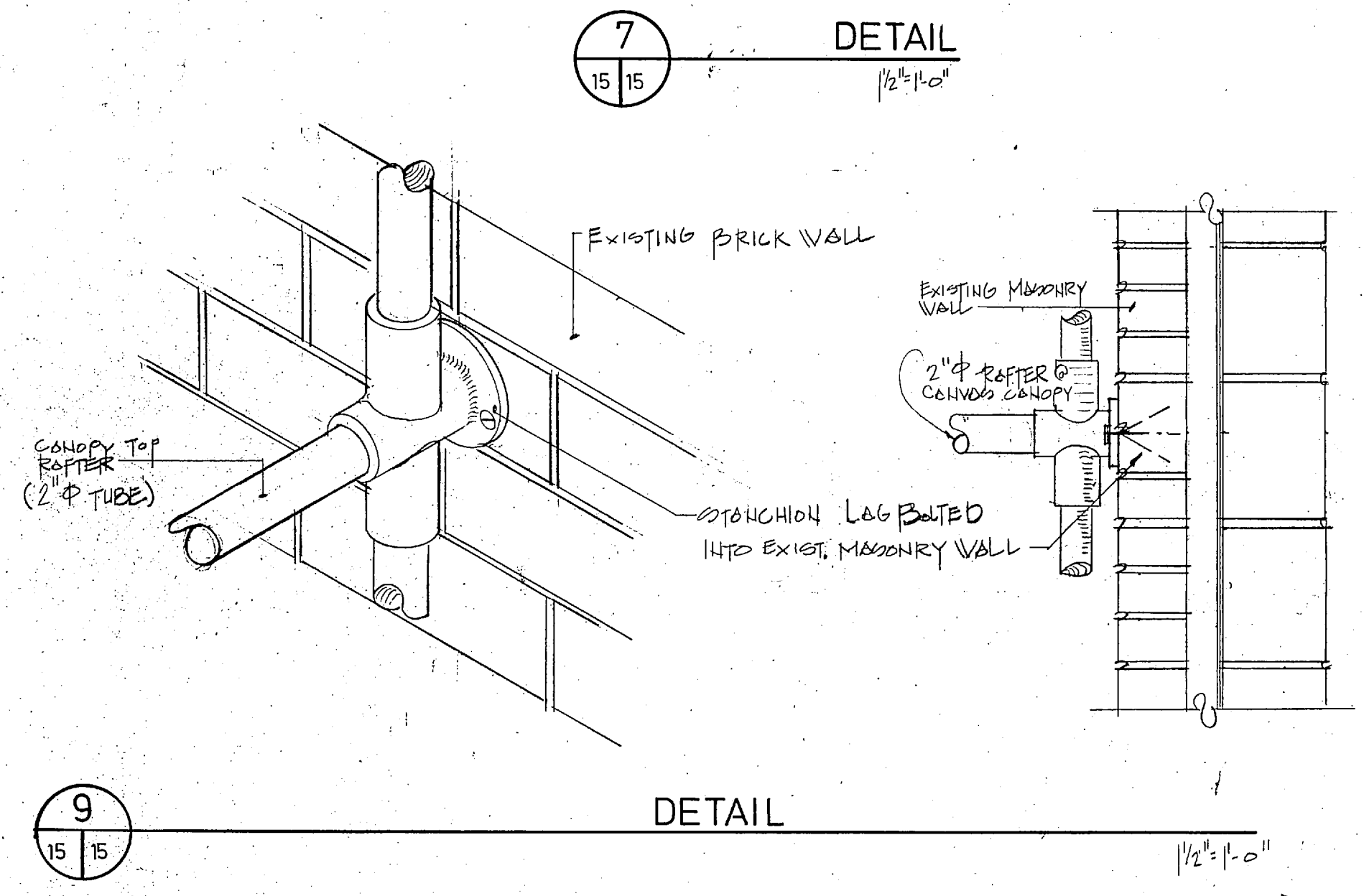
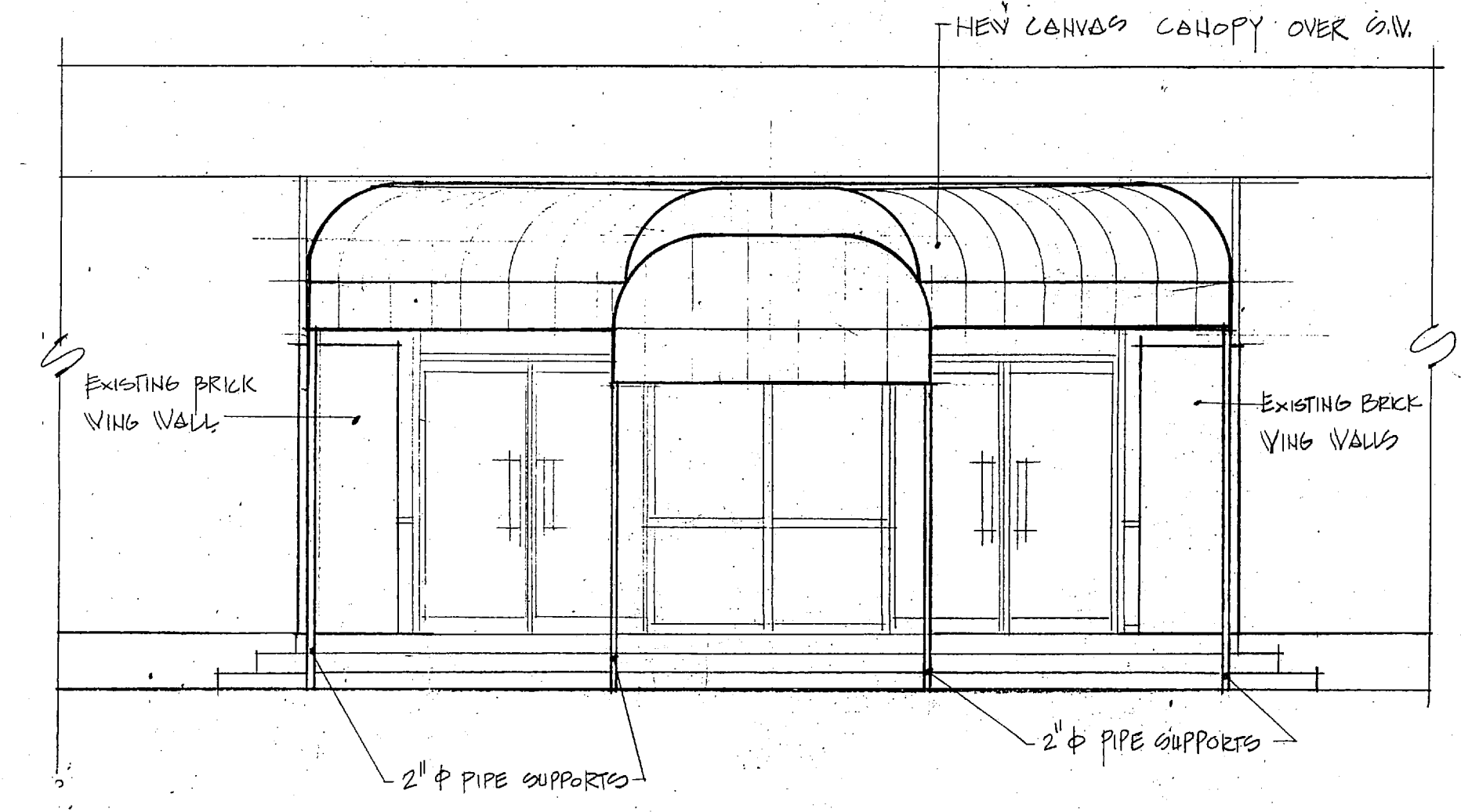
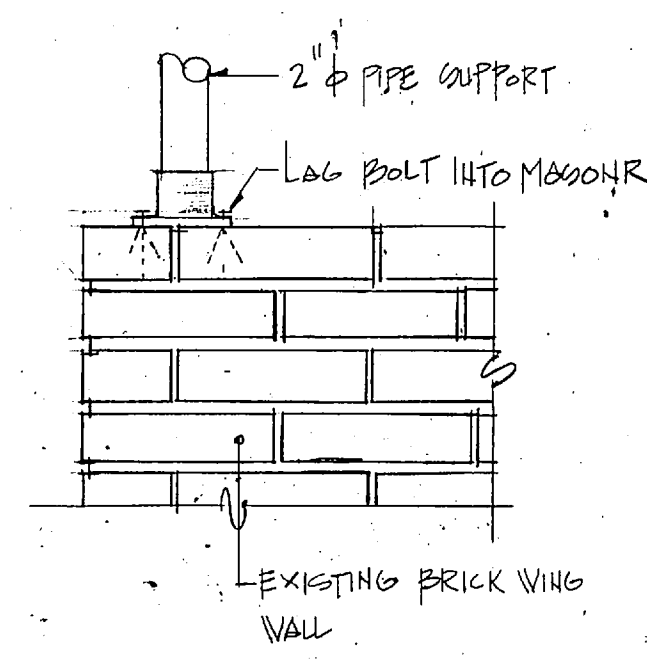
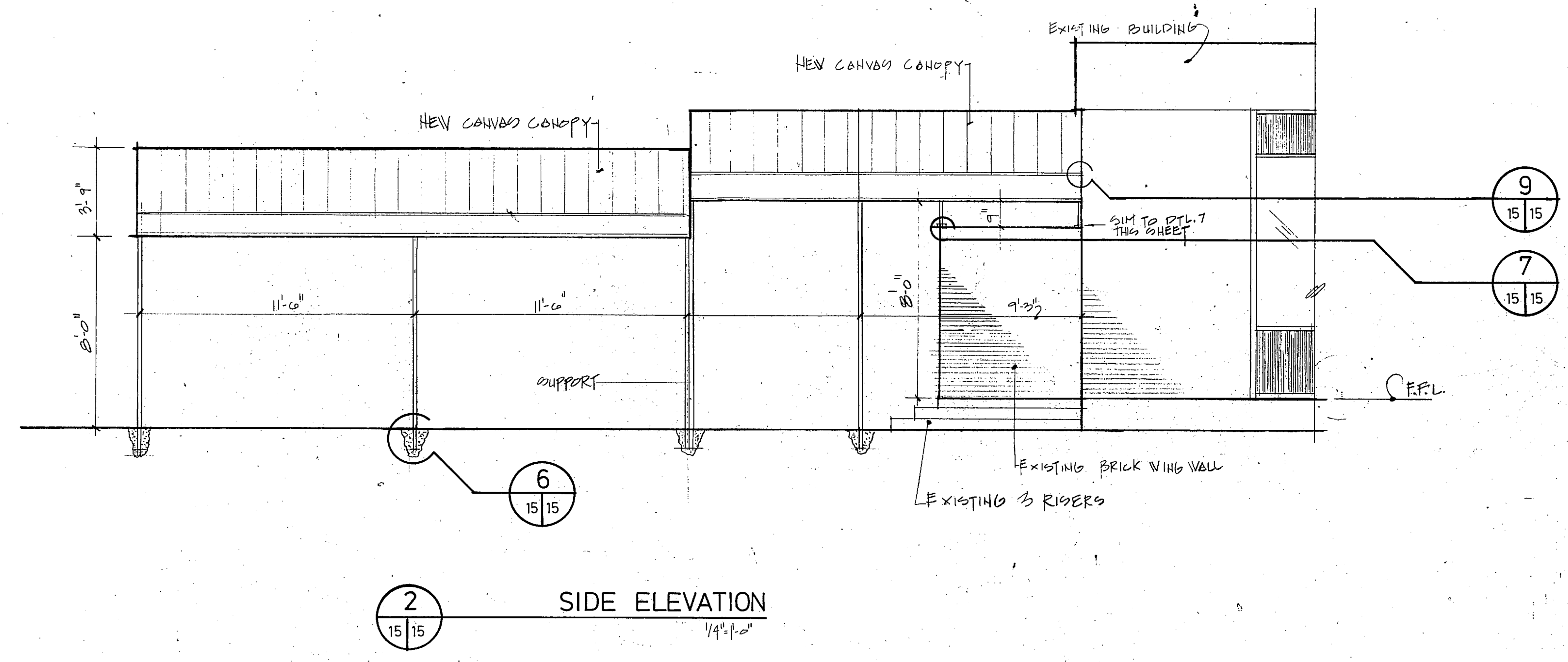
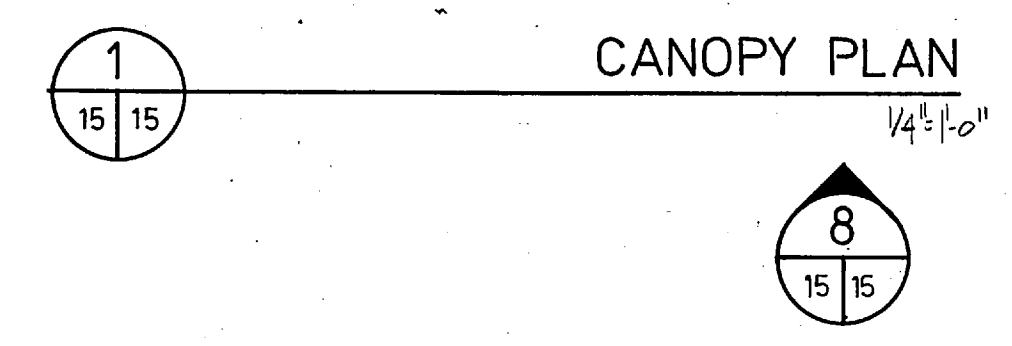
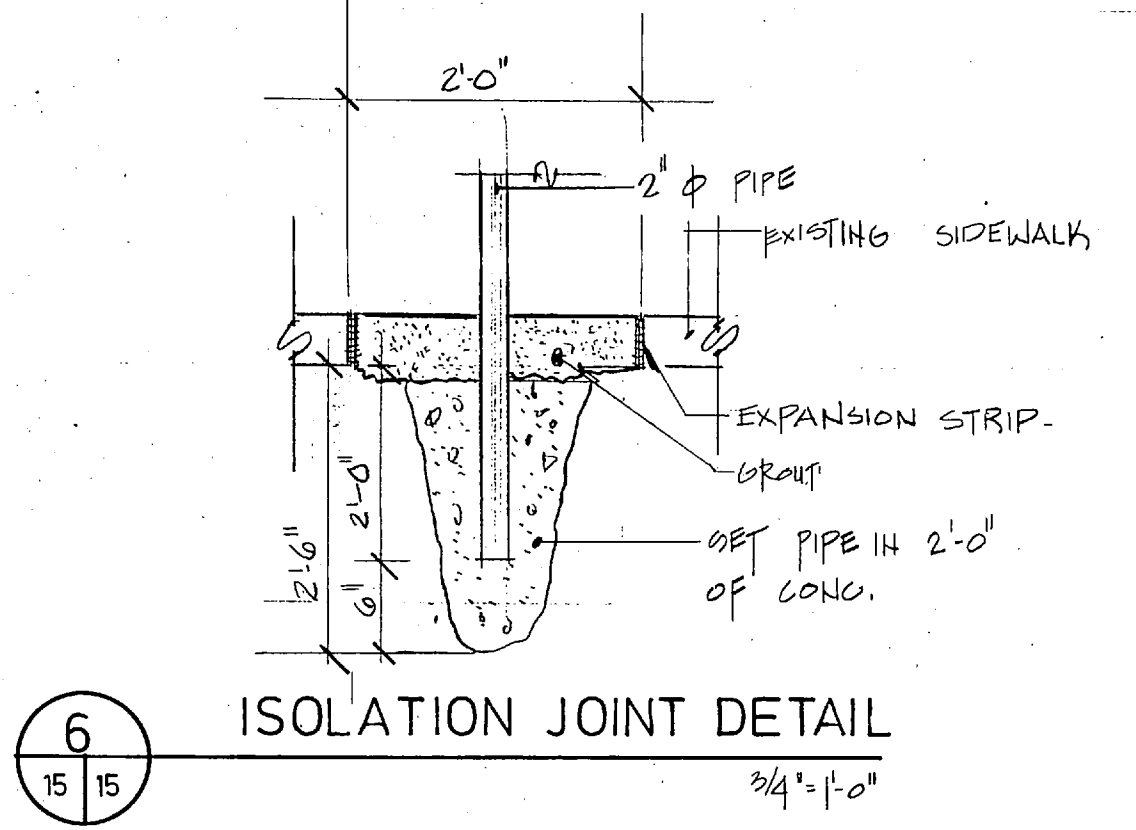
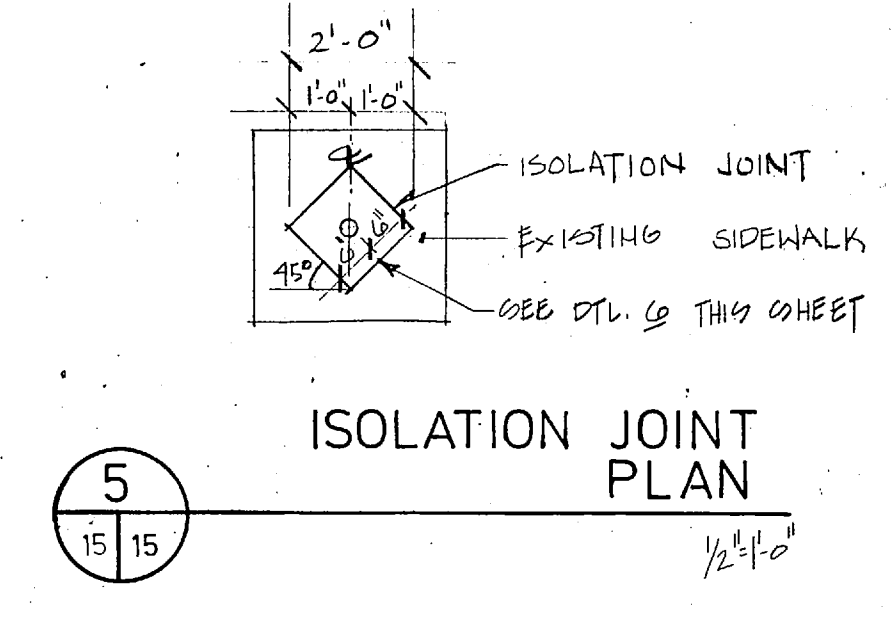
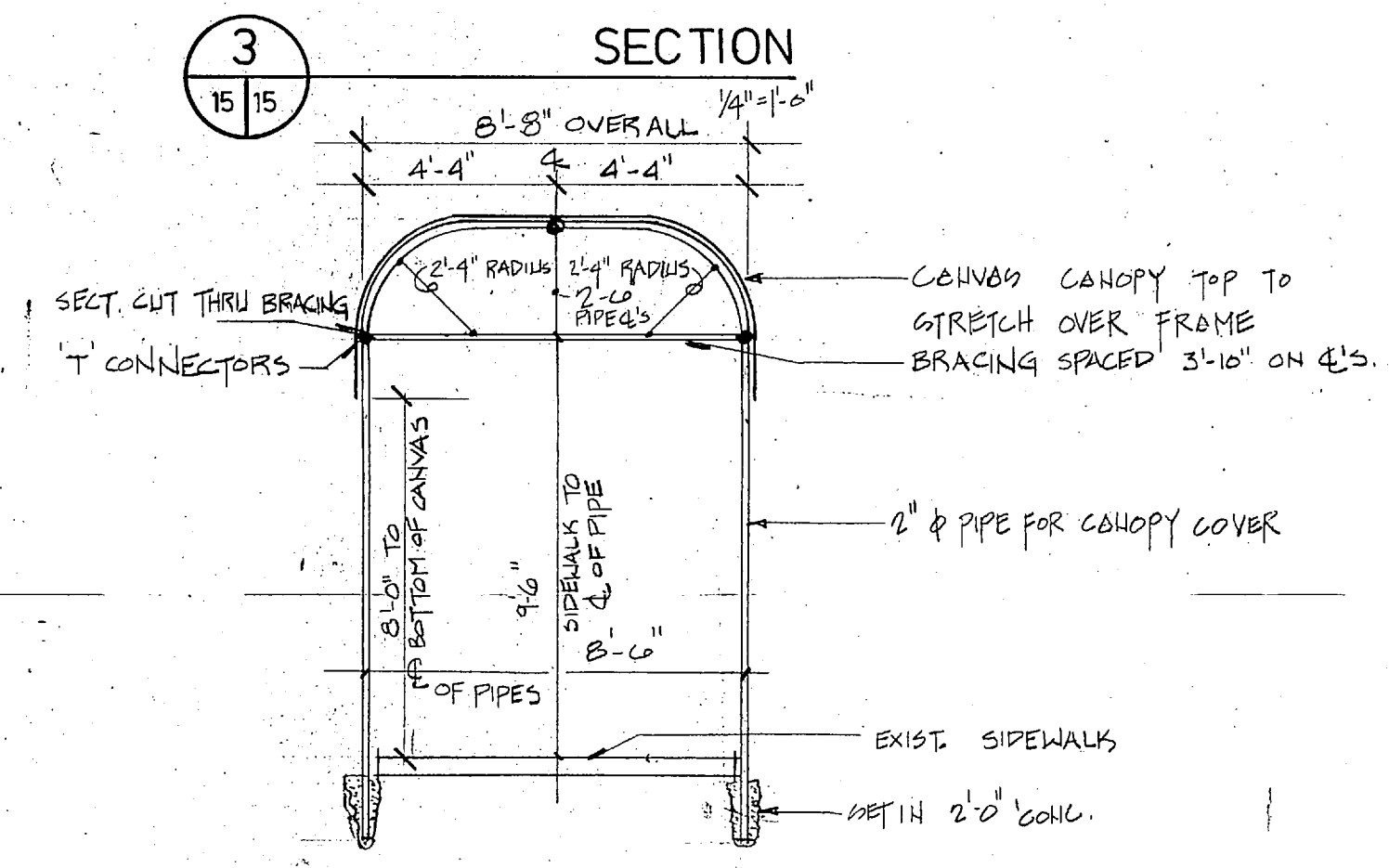
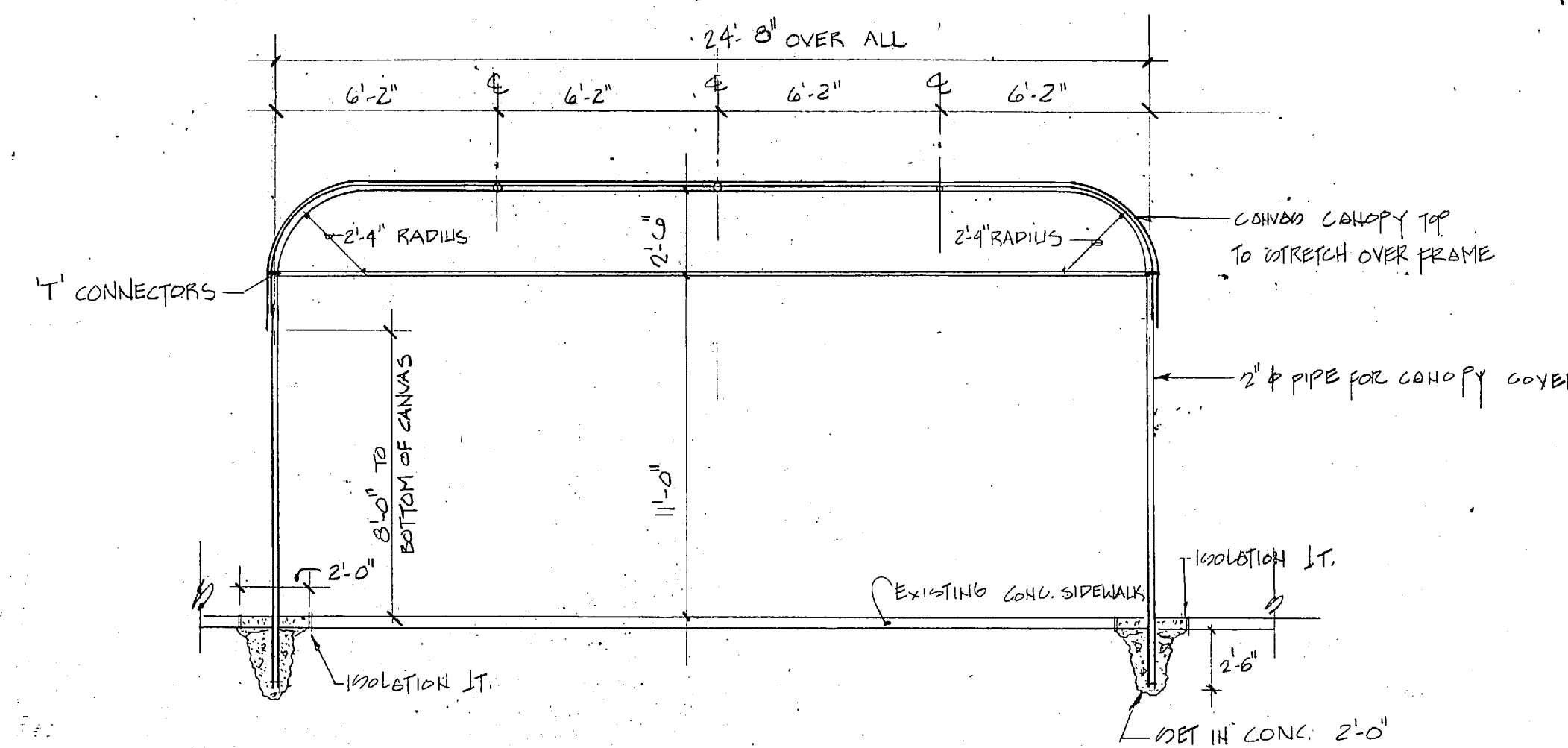
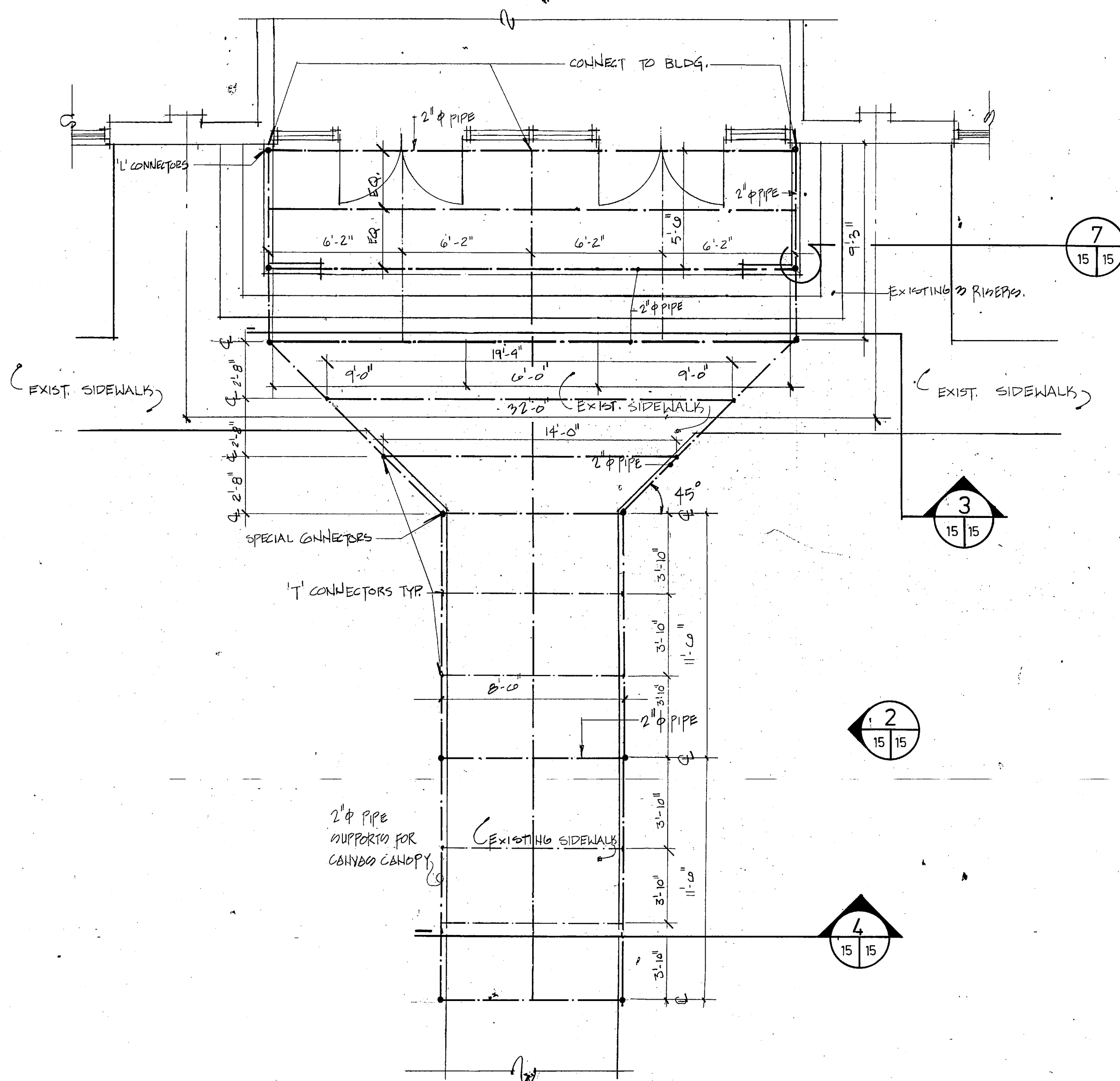
GEORGE M. SMART ARCHITECTS, INC.
RALEIGH, NORTH CAROLINA

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

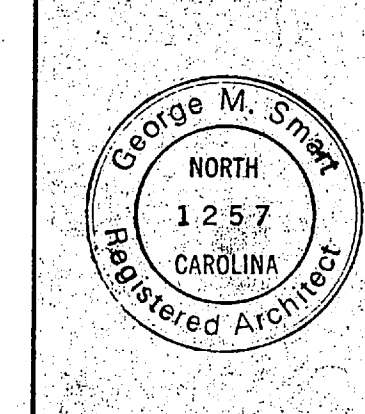
RENOVATE BLDG. BA-103
EXTER. ELEVATIONS & DETAILS

DES. L.V.D.
DR. R.E.
CHK. L.V.D.
SUBMITTED BY:
DESIGN DIR.
APPROVED: PWD OR OIC DATE SIZE CODE IDENT. NO. NAVFAC DRAWING NO.
SATISFACTORY TO: DATE DATE **F** 80091 4152572
SCALE: NOTED SPEC. 05-85-B-5441 SHEET 14 OF 20

REVISIONS		
SYM.	DESCRIPTION	DATE

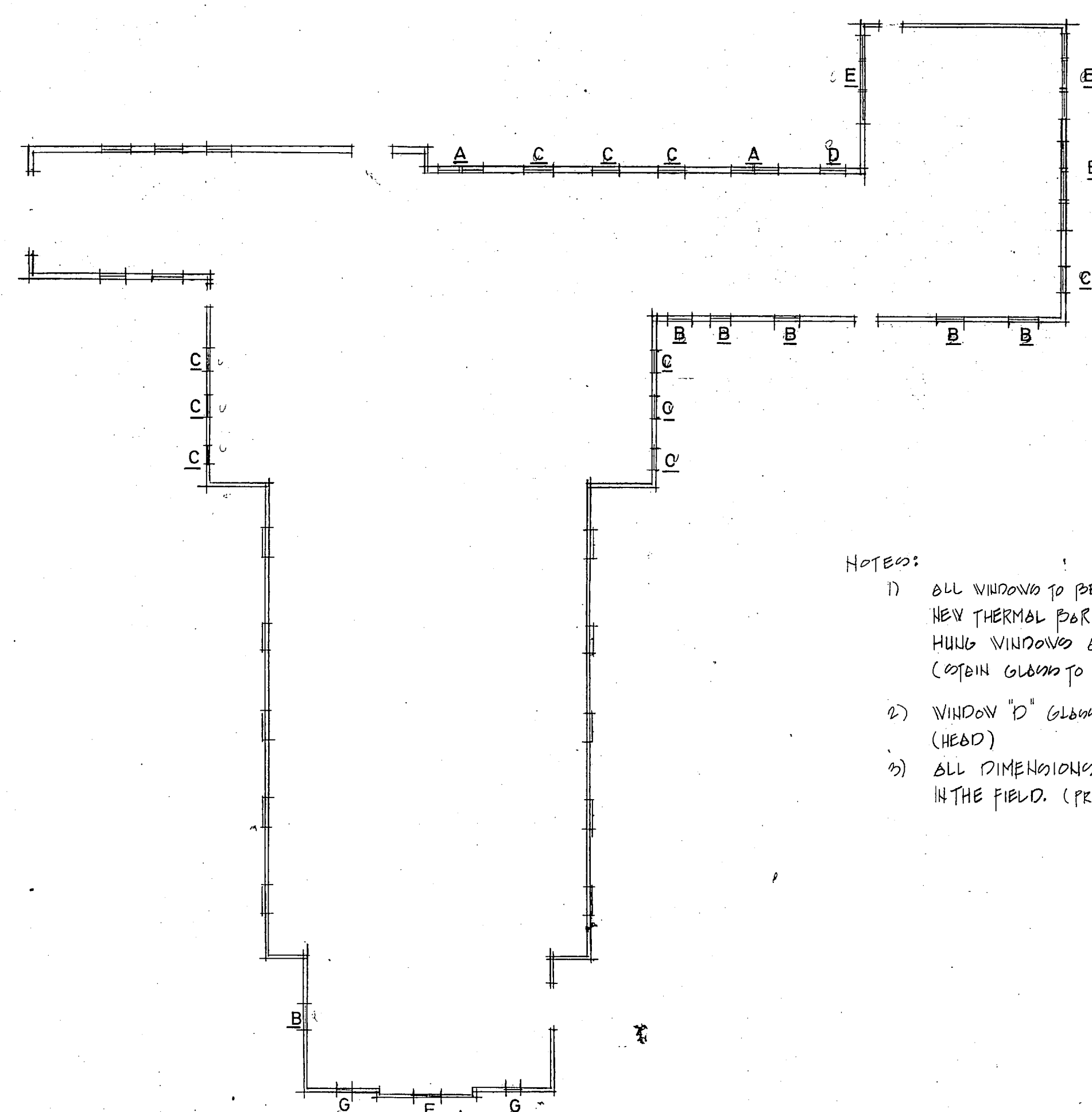


GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
		NEW CANOPY BLDG. AS-843 PLAN & DETAILS	
DESIGN BY:	APPROVED: PWO OR DCC	DATE:	NAVFAC DRAWING NO. 4152573
DR. D.B.R.	DATE:	DATE:	CONSTR. CONTR. NO. N62470-86-B-5441
CHK. J.M.H.	DATE:	DATE:	SCALE: NOTED SPEC. 05-86-5441 SHEET 15 OF 20
SUBMITTED BY:	DATE:	DATE:	
DESIGN DIR.:	DATE:	DATE:	



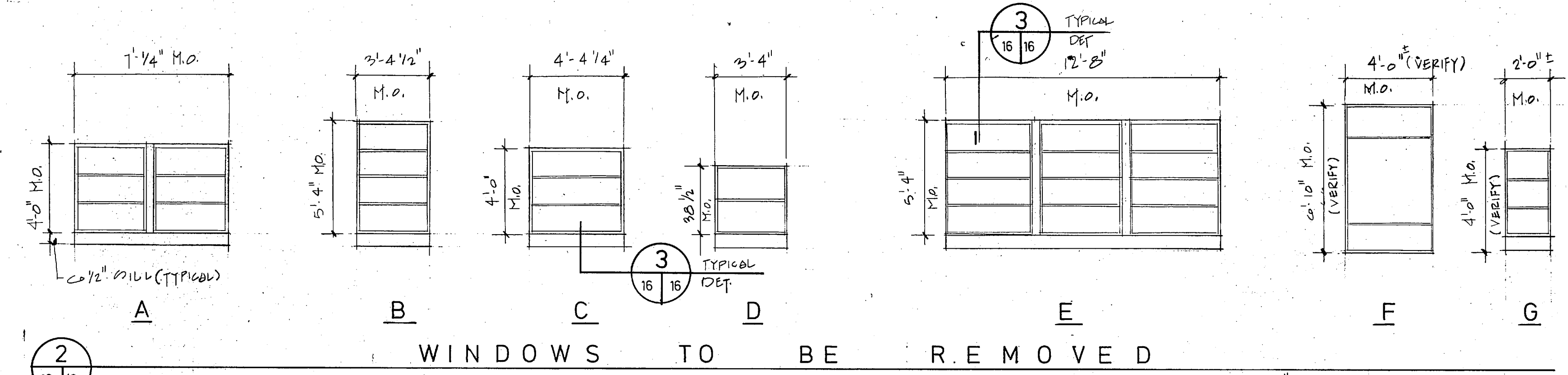
15

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED

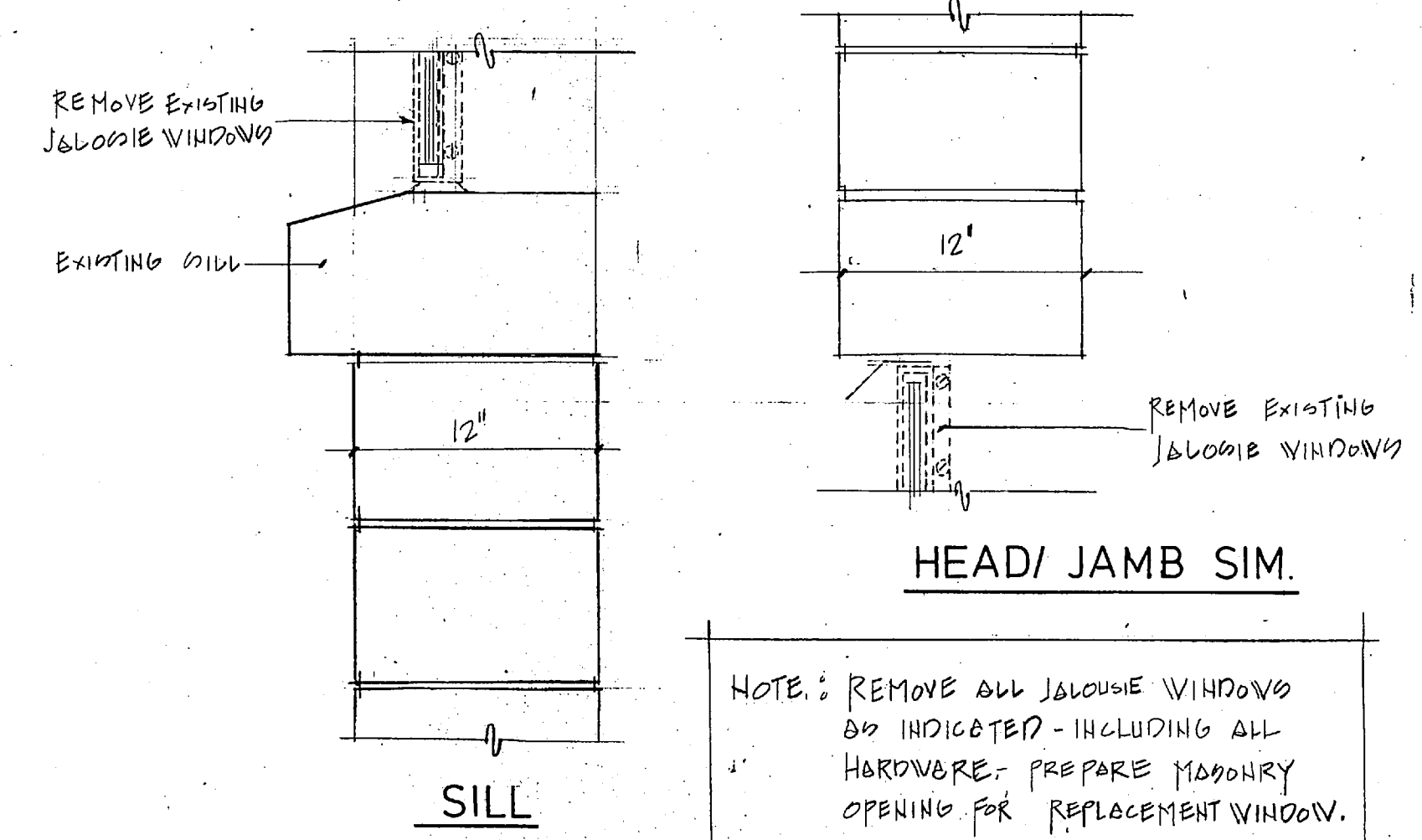


1 PLAN-WINDOW LOCATIONS
1/4" = 1'-0"

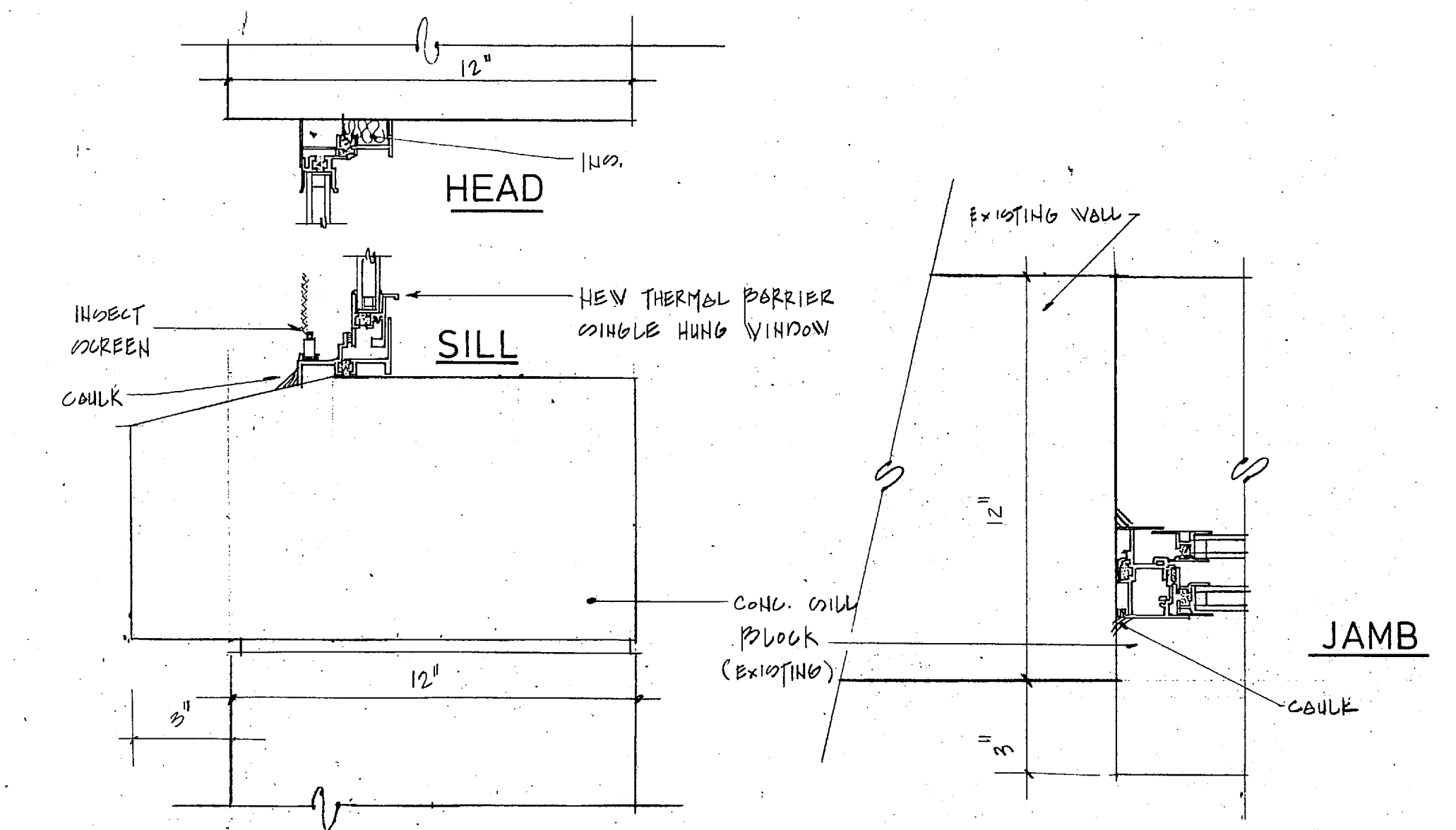
- NOTES:
- 1) ALL WINDOWS TO BE REPLACED W/ NEW THERMAL BARRIER SINGLE HUNG WINDOWS AS INDICATED (CERTAIN GLASS TO REMAIN AS IS)
 - 2) WINDOW "D" GLASS TO BE OPAQUE (HEAD)
 - 3) ALL DIMENSIONS TO BE VERIFIED IN THE FIELD. (PRIOR TO CONSTRUCTION)



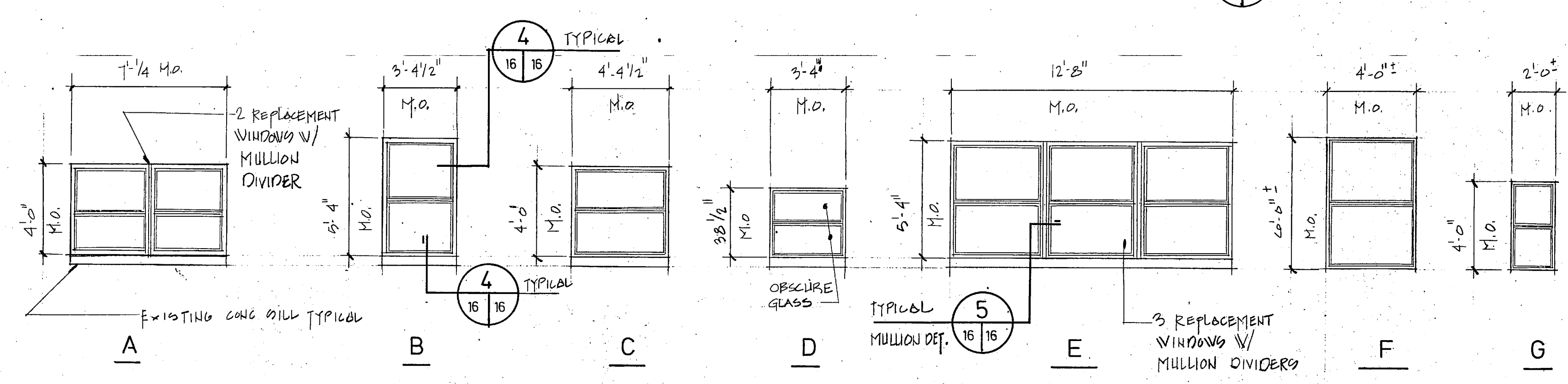
2 WINDOWS TO BE REMOVED
1/4" = 1'-0"



3 WINDOW DEMOLITION
1/2" = 1'-0"

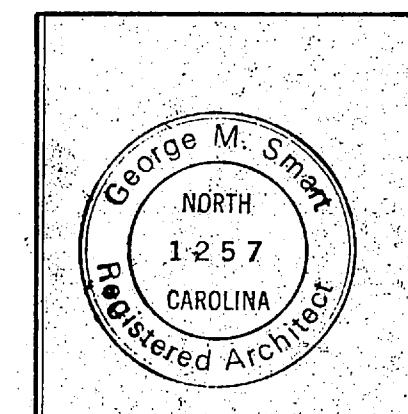
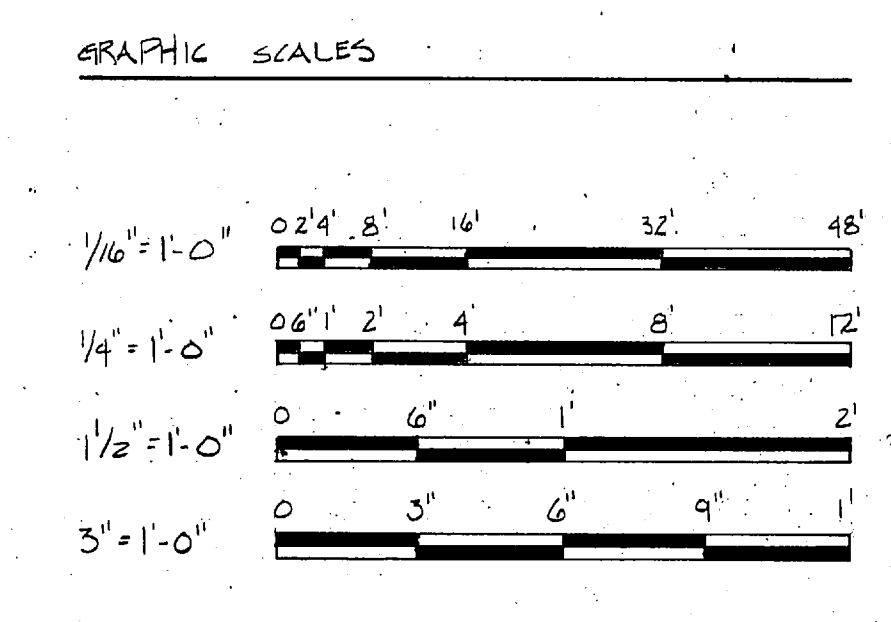


4 NEW WINDOW DETAILS
3/4" = 1'-0"

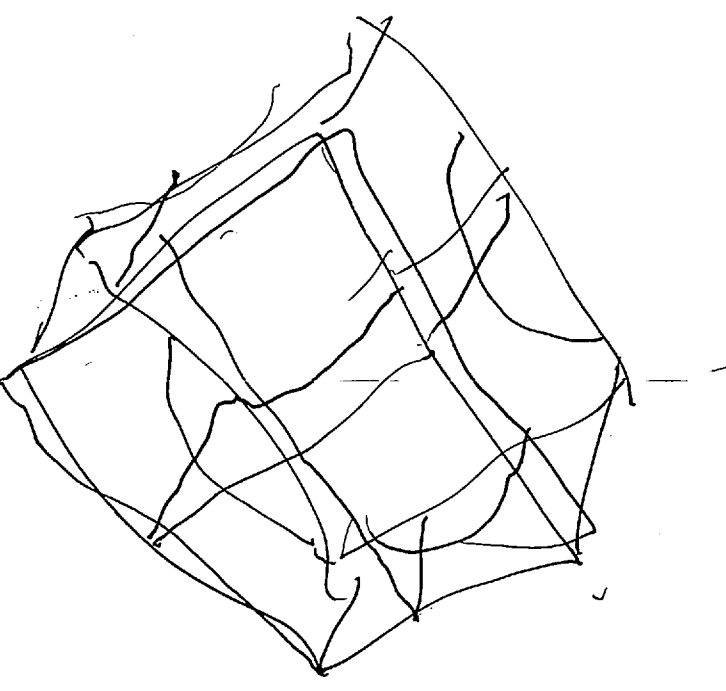


6 REPLACEMENT WINDOWS
1/4" = 1'-0"

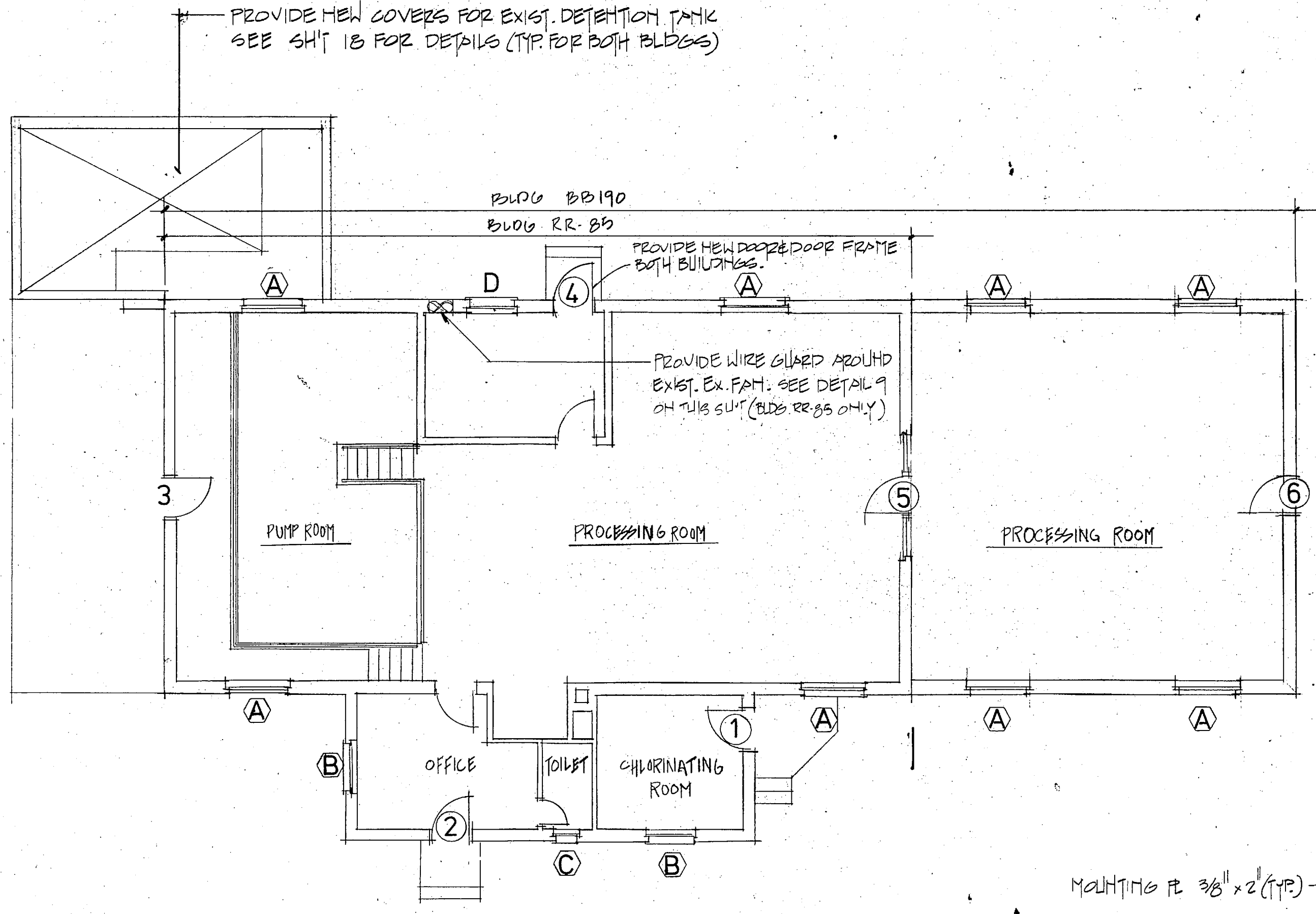
5 TYPICAL MULLION DETAIL
3/4" = 1'-0"



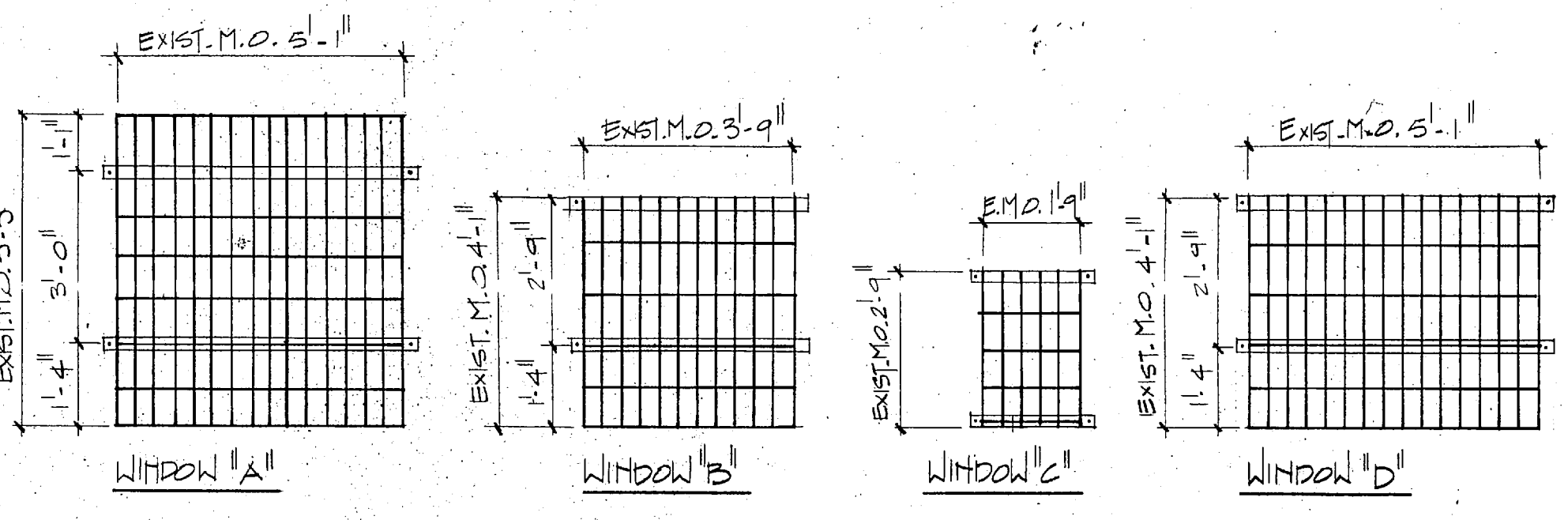
GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		16	
				REPLACE WINDOWS BLDG. AS-236 PLAN & DETAILS	
DES. L.S.V.D.	DR. D.B.R.	CHK. L.S.V.D.	SUBMITTED BY:	DESIGN DIR.	APPROVED: P.W.D. OR DICC
DATE	DATE	DATE	DATE	DATE	DATE
SIZE	CODE IDENT. NO.	NAVAC DRAWING NO.	SATISFACTORY TO:		
F	80091	4152574	CONSTR. CONTR. NO. N6470-86-B-5441		
SCALE: NOTED	SPEC. 05-86-5441	SHEET 16	OF 20		



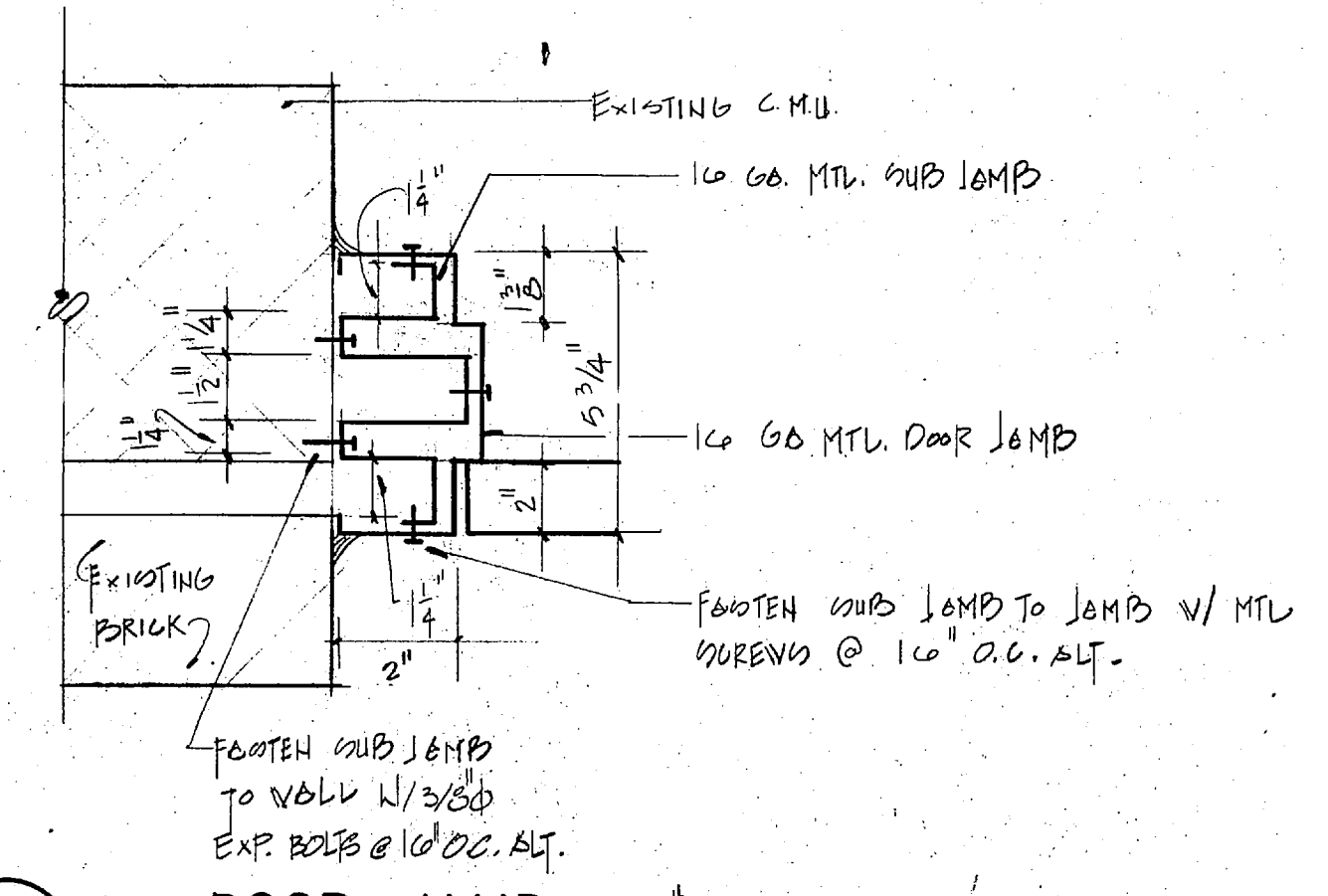
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



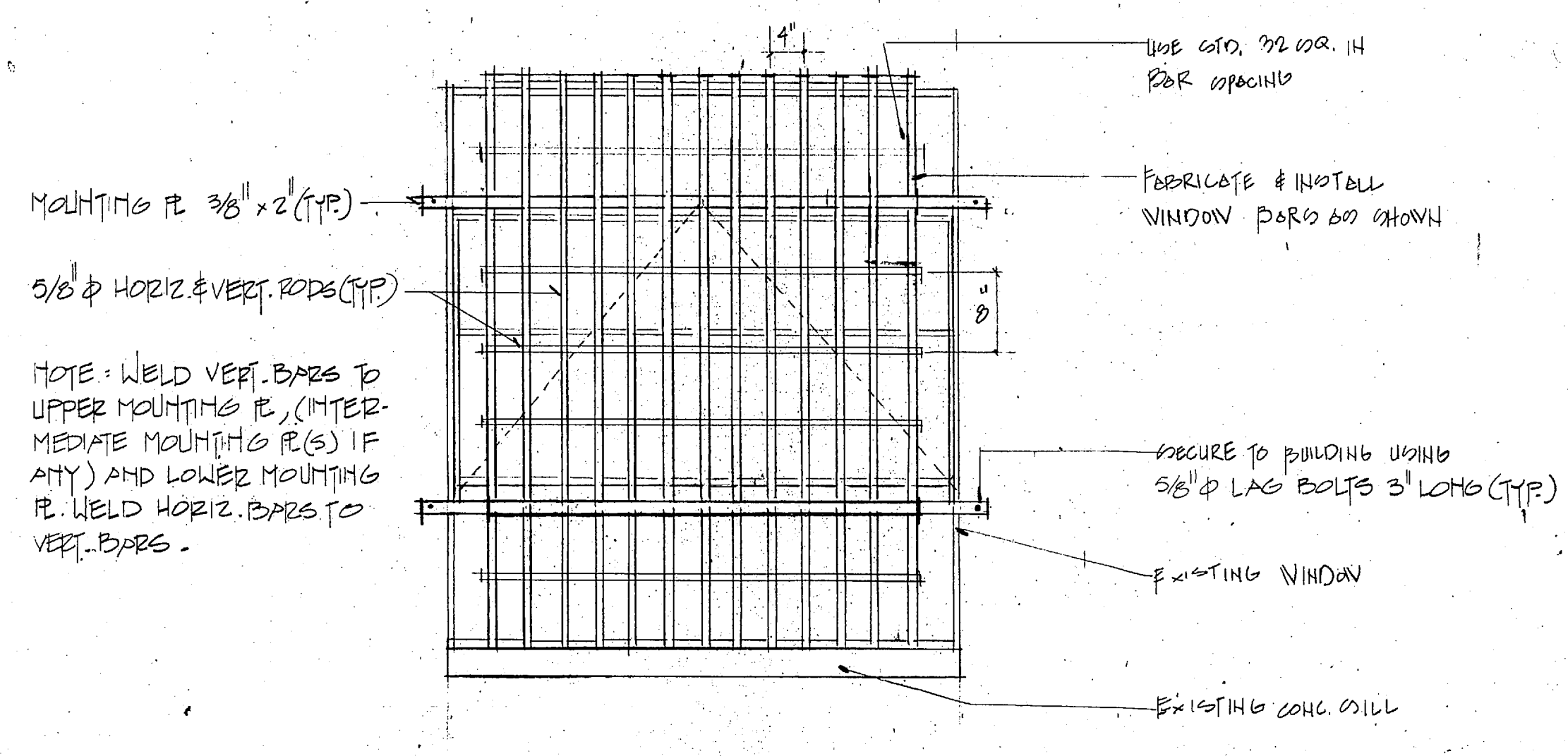
1 PLAN BLDG. BB-190, RR-85
1/8" = 1'-0"



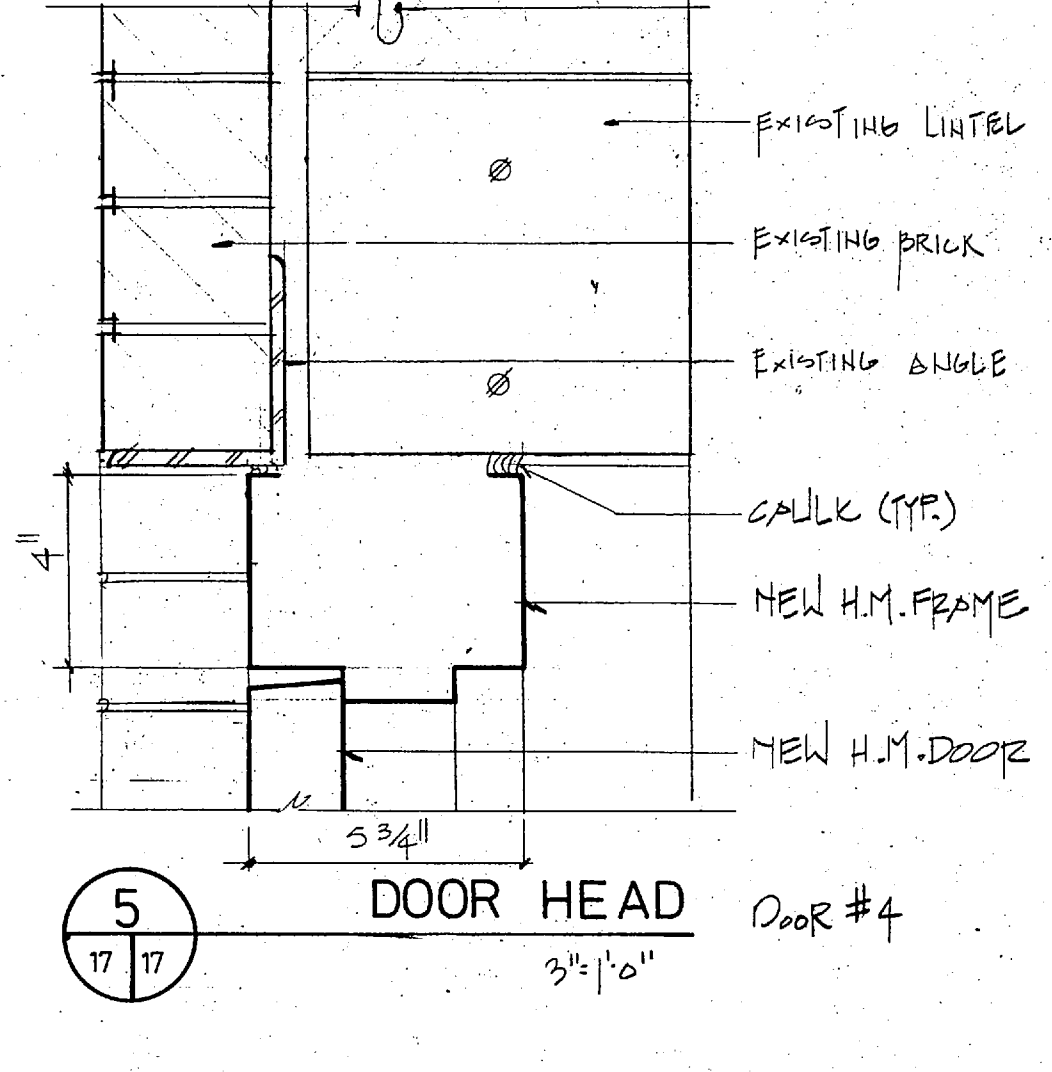
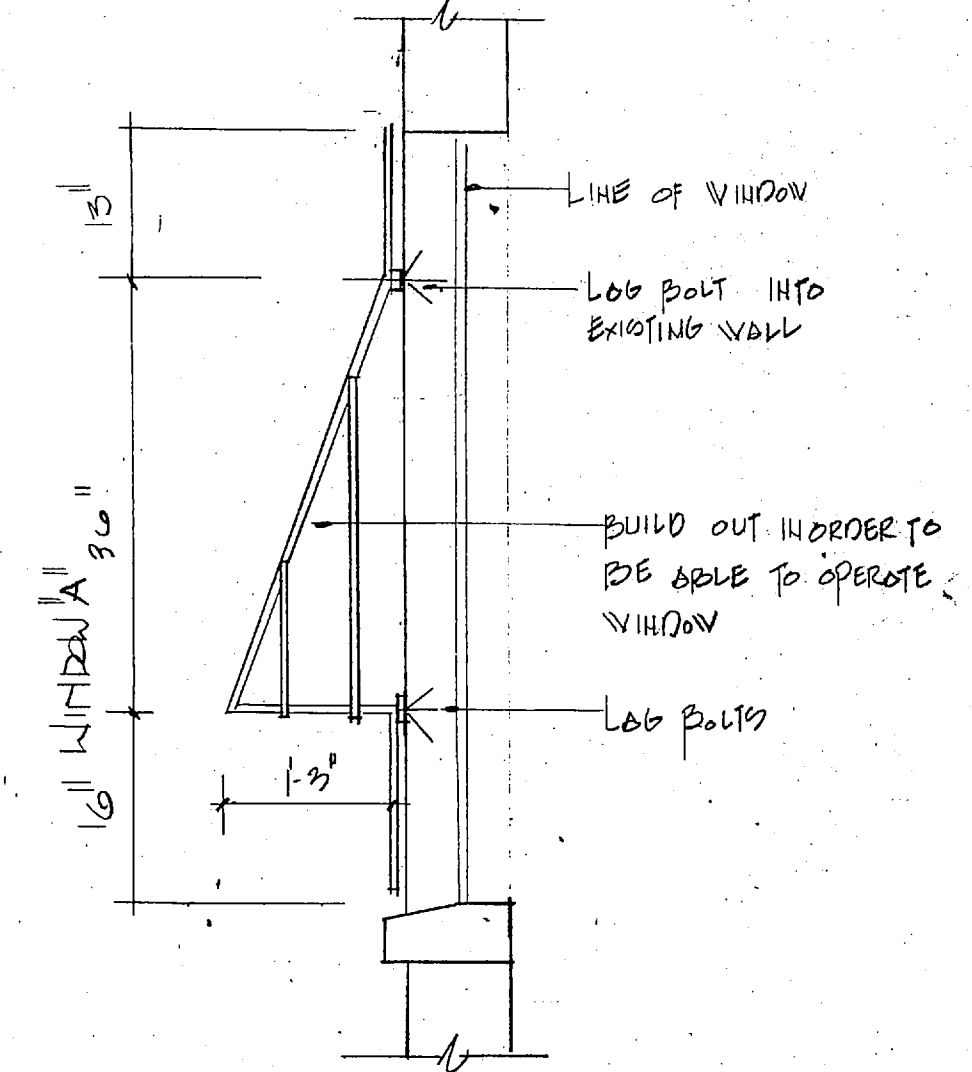
2 WINDOW ELEVATIONS
3/8" = 1'-0"



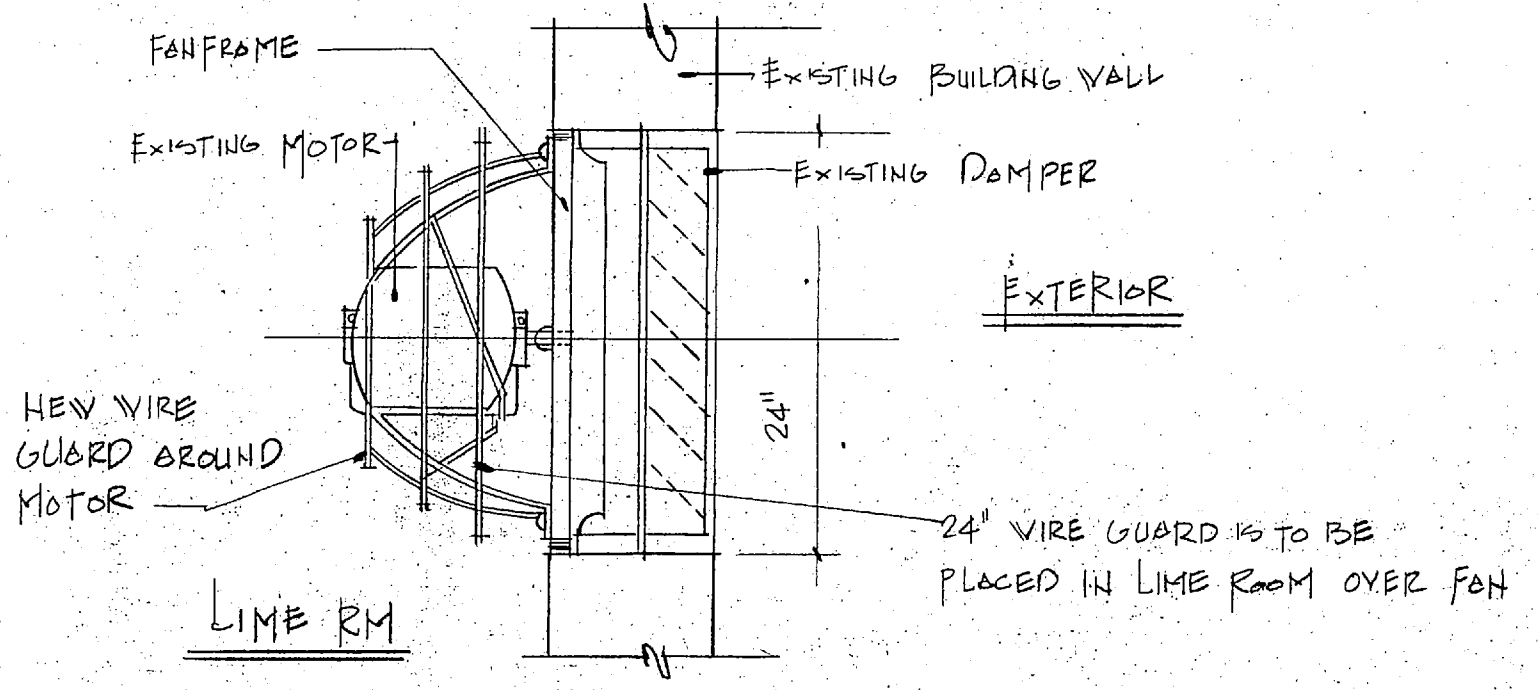
4 DOOR JAMB Door #4
3/8" = 1'-0"



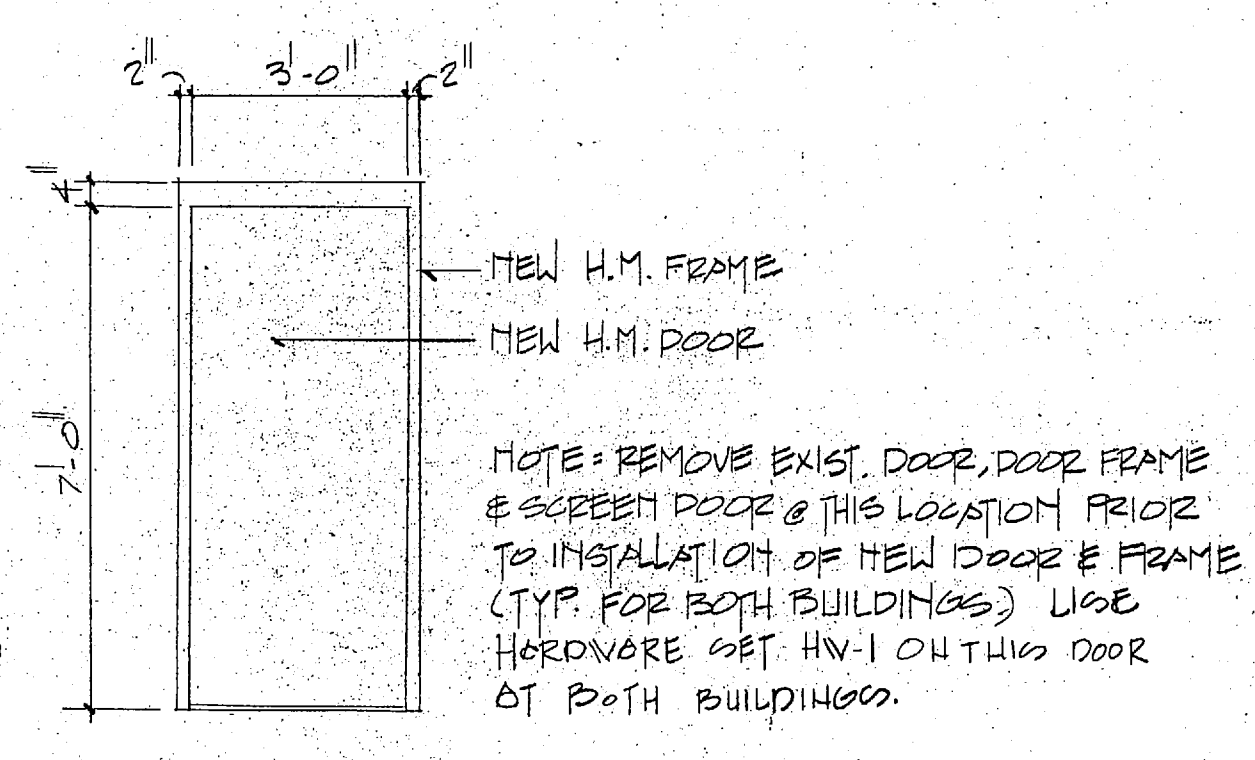
3 ELEVATION WINDOW BARS
3/4" = 1'-0"



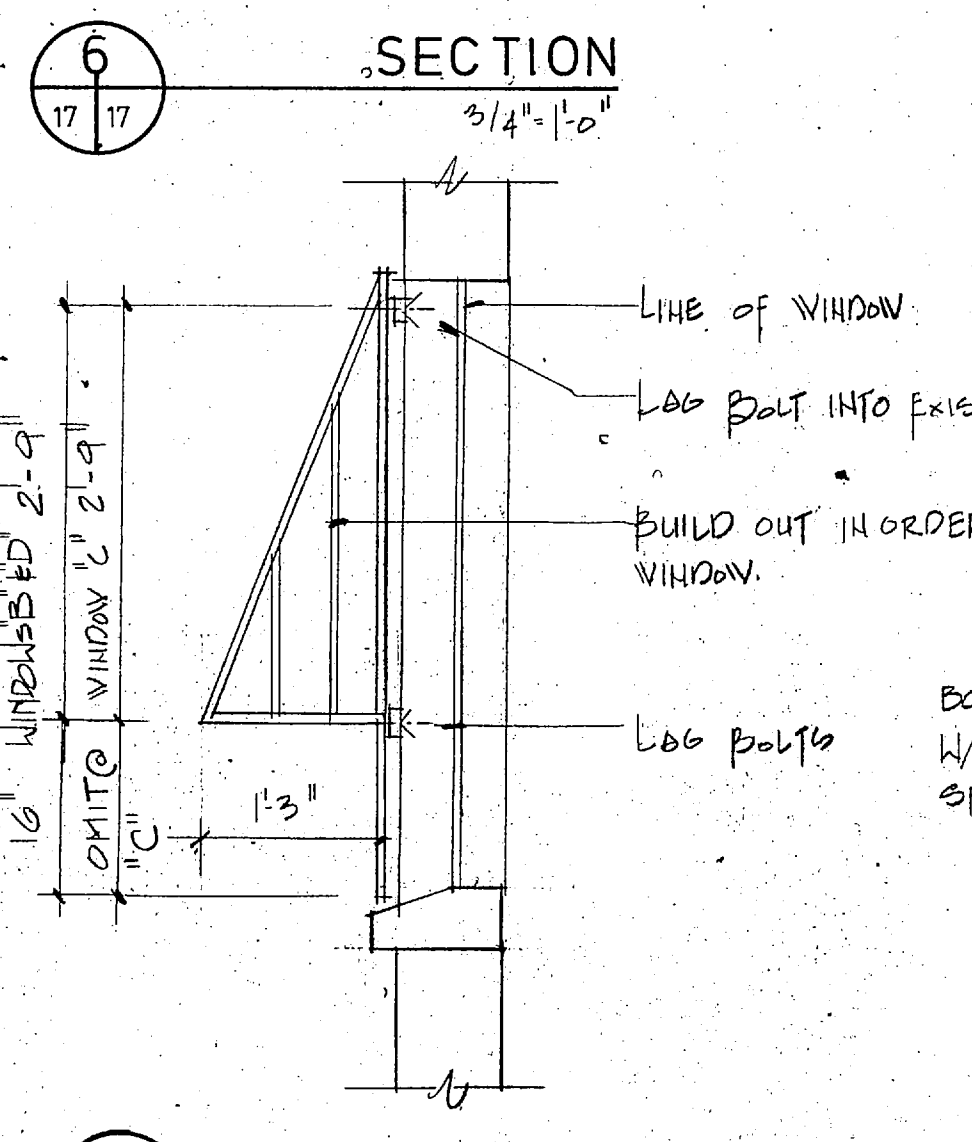
5 DOOR HEAD Door #4
3/4" = 1'-0"



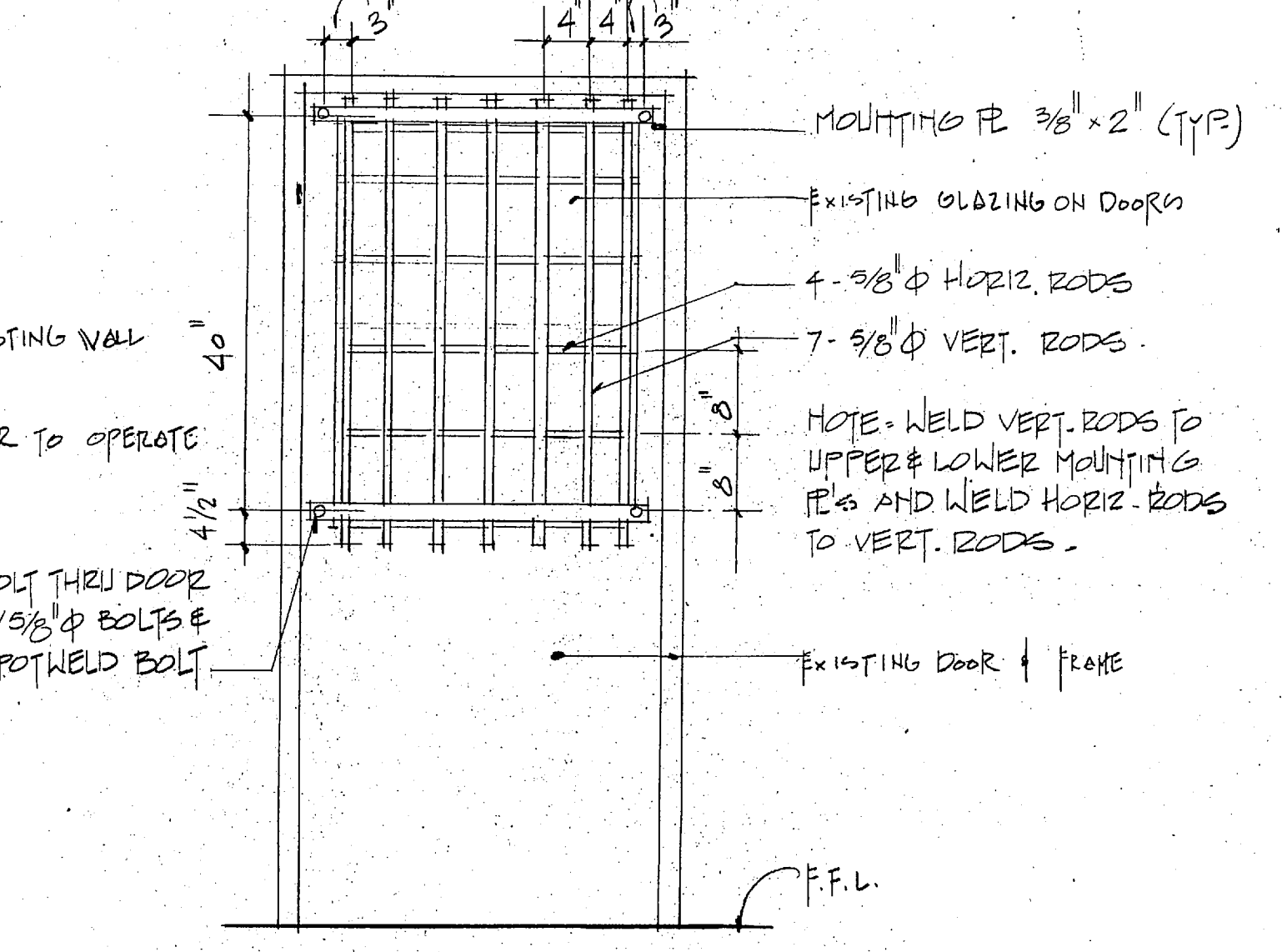
9 EXHAUST FAN COVER - BLDG. RR-85
NO SCALE



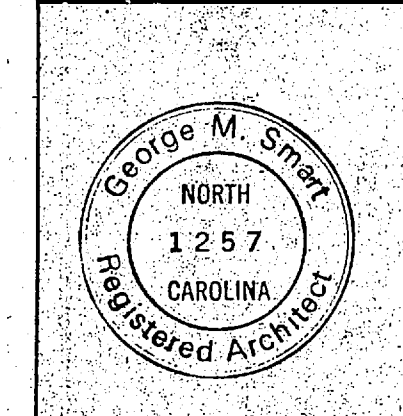
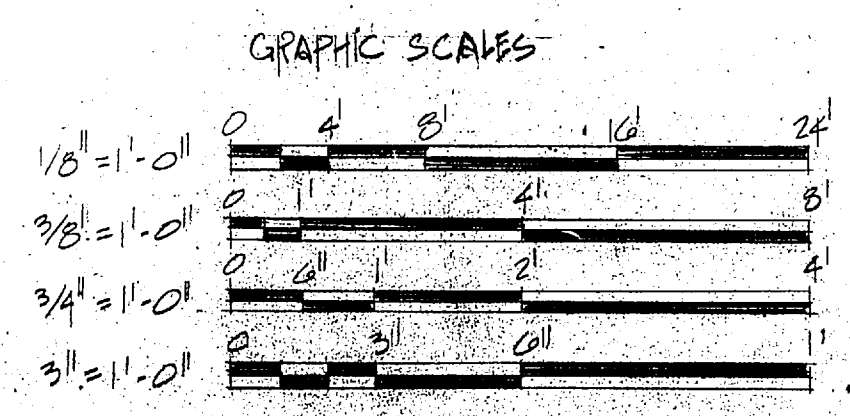
10 DOOR NO. 4 (NEW DR. & FR.)
3/8" = 1'-0"



7 SECTION
3/4" = 1'-0"

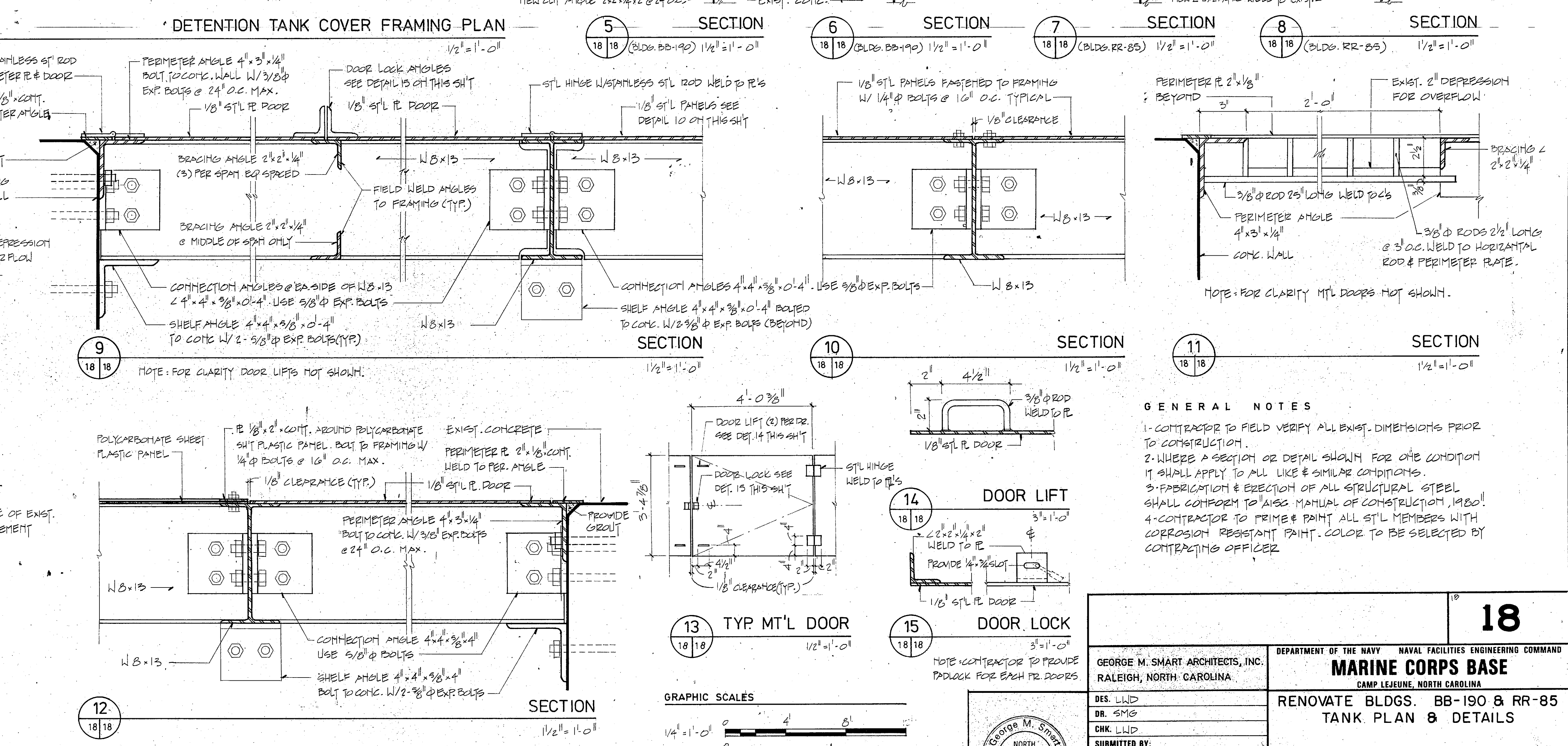
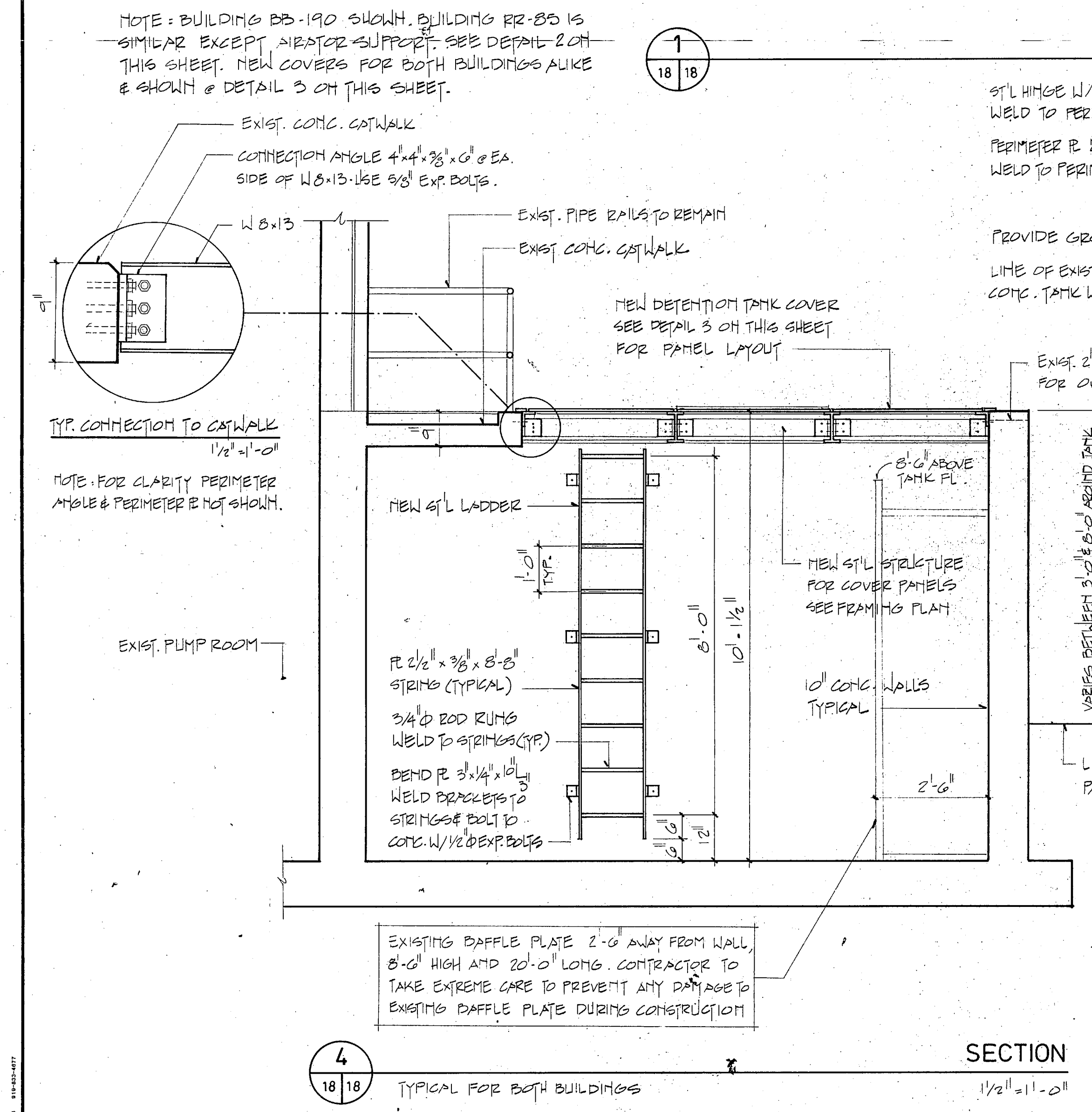
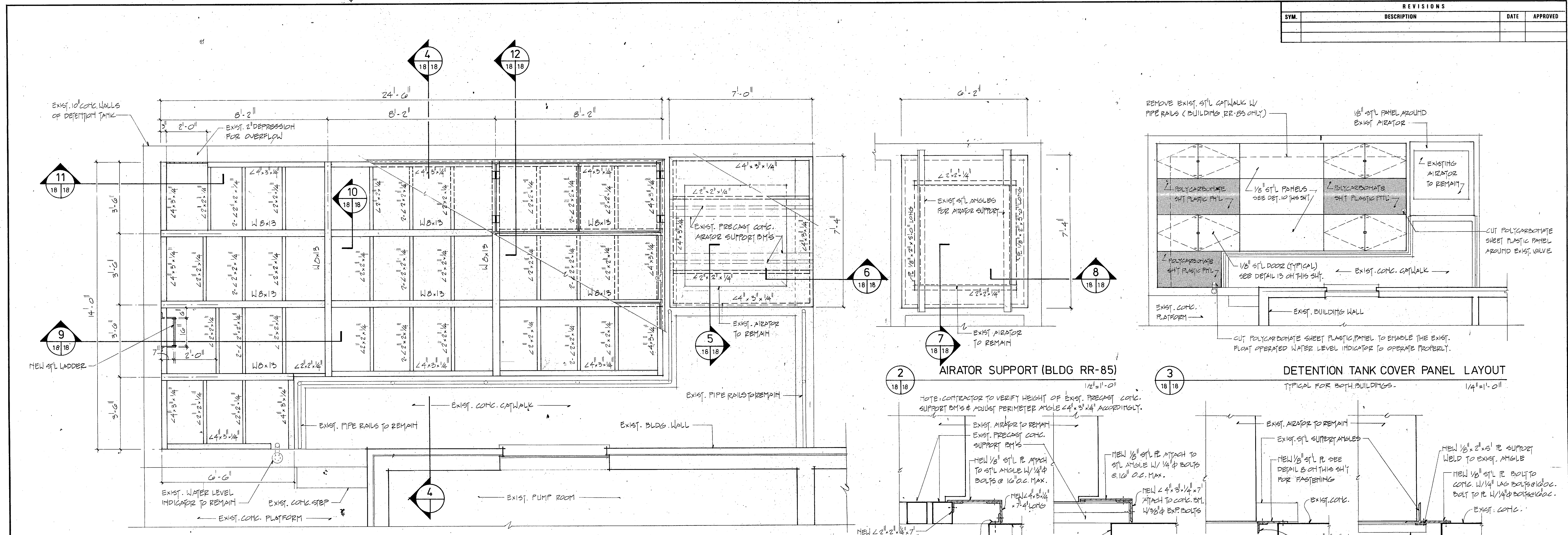


8 BAR DETAIL AT ALL DOORS W/ GLAZING
3/4" = 1'-0"
DOORS NOS. 1, 2, 3, 5 BLDG RR 85
DOORS ON BLDG BB 190 ONLY THAT HAVE GLAZING - CHECK IN FIELD



17		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. L.V.D. OR. D.B.R. & S.H.G.		RENOVATE BLDGS. BB-190, & RR-85	
SUBMITTED BY:		PLAN & SECURITY BAR DETAILS	
APPROVED: PWD OR OIC		DATE	NAVFAC DRAWING NO. 4152575
SATISFACTORY TO:		DATE	CONSTR. CONTR. NO. N62470-86-B-5541
SCALE: NOTED		SPEC. 05-88-5441	SHEET 17 OF 20

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



GENERAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL EXIST. DIMENSIONS PRIOR TO CONSTRUCTION.
- WHERE A SECTION OR DETAIL SHOWN FOR ONE CONDITION IT SHALL APPLY TO ALL LIKE & SIMILAR CONDITIONS.
- FABRICATION & ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO AISC MANUAL OF CONSTRUCTION, 1989!
- CONTRACTOR TO PRIME & PAINT ALL ST'L MEMBERS WITH CORROSION RESISTANT PAINT. COLOR TO BE SELECTED BY CONTRACTING OFFICER.

GRAPHIC SCALES

1/4" = 1'-0"
 1/2" = 1'-0"
 3/4" = 1'-0"
 1" = 1'-0"

DOOR LIFT
 14 18/18
 1/2" = 1'-0"

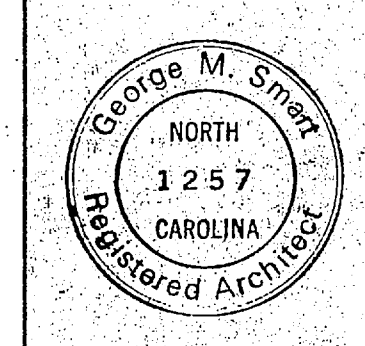
DOOR LOCK
 15 18/18
 3/4" = 1'-0"

TYP. MT'L DOOR
 13 18/18
 1/2" = 1'-0"

SECTION 4
 18/18
 1/2" = 1'-0"

SECTION 12
 18/18
 1/2" = 1'-0"

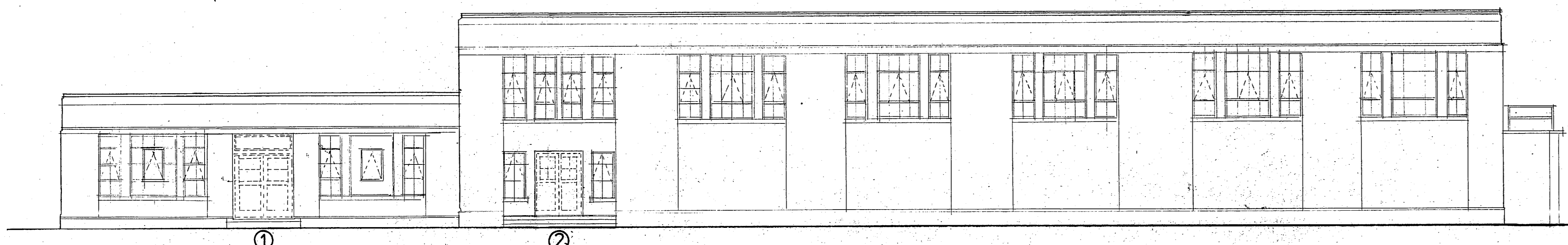
GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CAMP LEJEUNE, NORTH CAROLINA	
		MARINE CORPS BASE RENOVATE BLDGS. BB-190 & RR-85 TANK PLAN & DETAILS	
DES. LLD	DR. SMS	DATE	SIZE
CHK. LLD	SUBMITTED BY:	DATE	CODE IDENT. NO.
DESIGN DIR.	APPROVED: PWO OR OIC	DATE	NAVFAC DRAWING NO.
SATISFACTORY TO:	DATE	SCALE: NOTED	SPEC. O5-86-5441



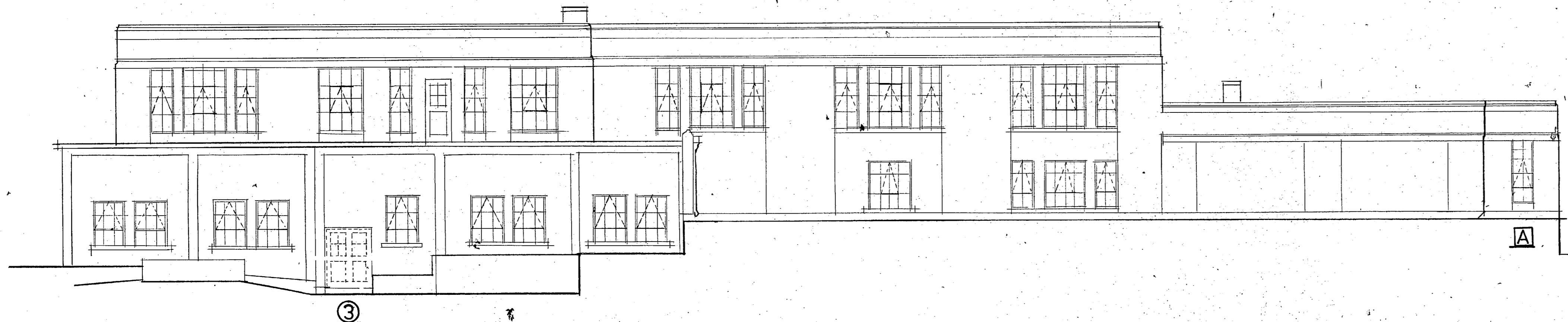


REVISIONS		
SYM.	DESCRIPTION	DATE

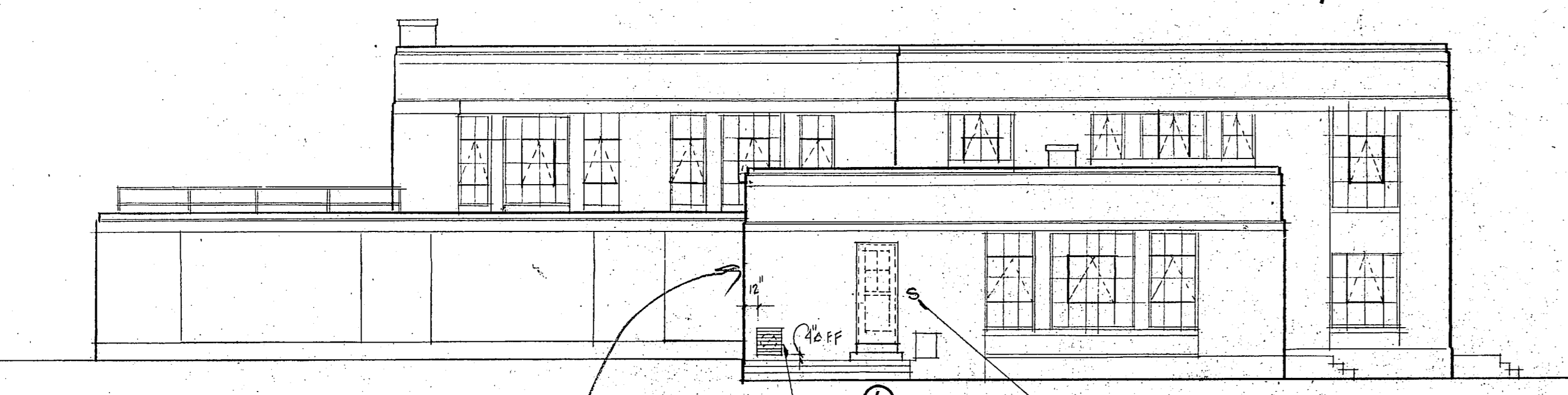
LEGEND	
SYMBOL	EXPLANATION
HL	FROM R/W TO PUL, HATCH MARKS ARE # OF WIRES IN CONDUIT. L INDICATES GROUND
Ⓚ	JUNCTION BOX
S	LIGHT SWITCH SINGLE POLE 3" OFF
Ⓢ	WEATHER PROOF SWITCH
HL	CONDUIT & WIRE HATCH MARKS ARE # OF WIRES IN CONDUIT. L INDICATES GROUND



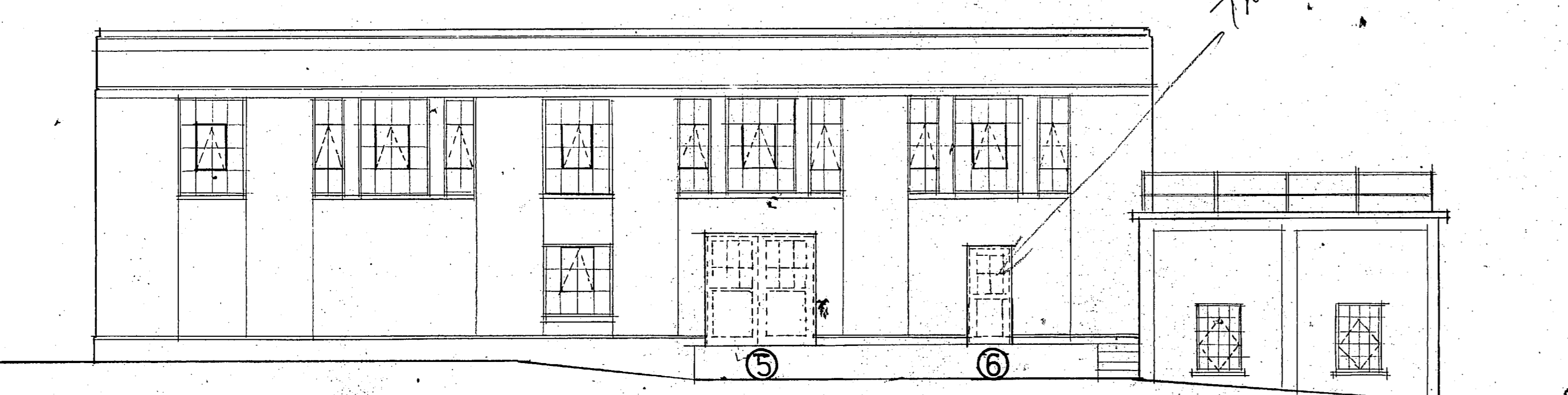
1 NORTH ELEVATION
1/8"=1'-0"



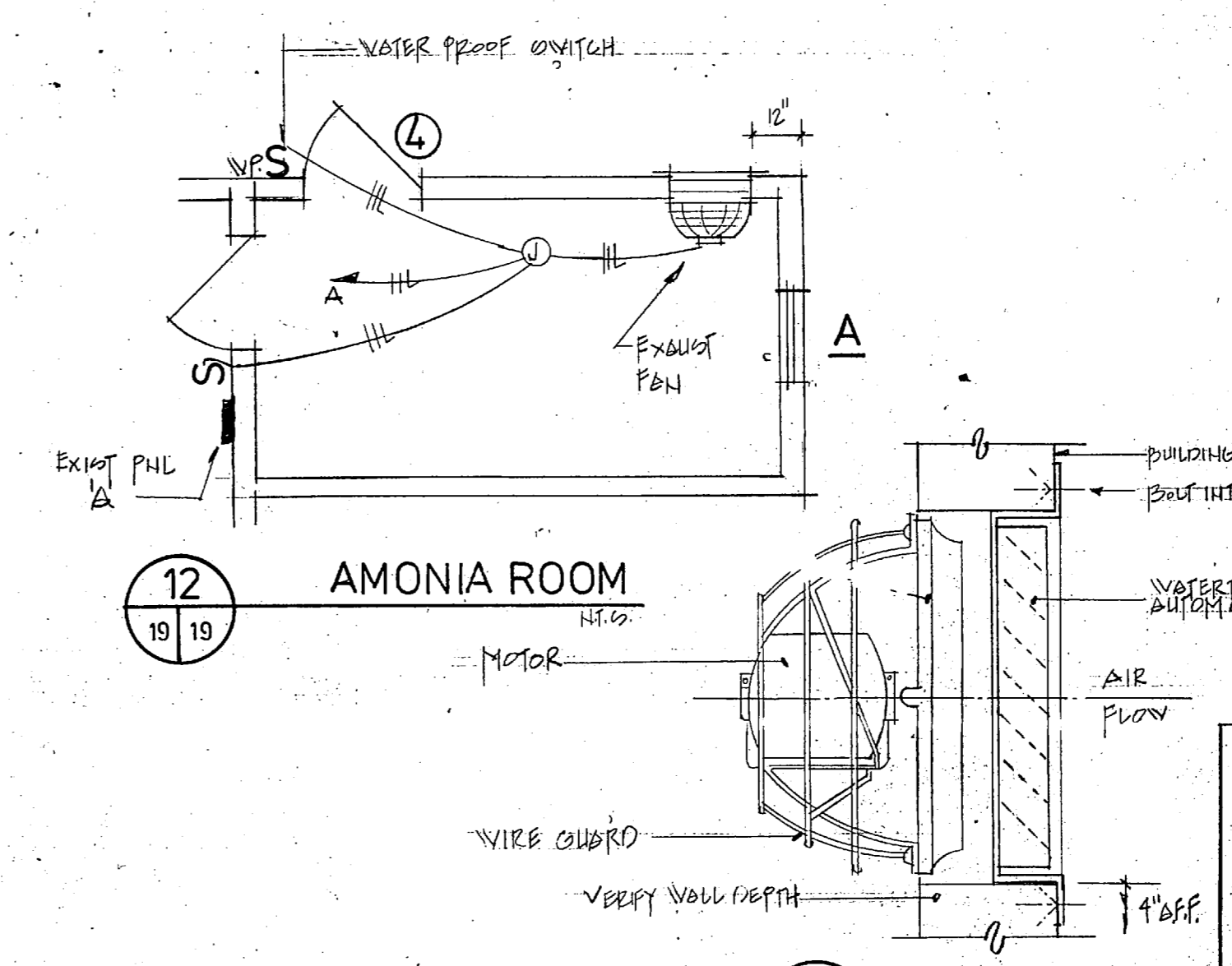
2 SOUTH ELEVATION
1/8"=1'-0"



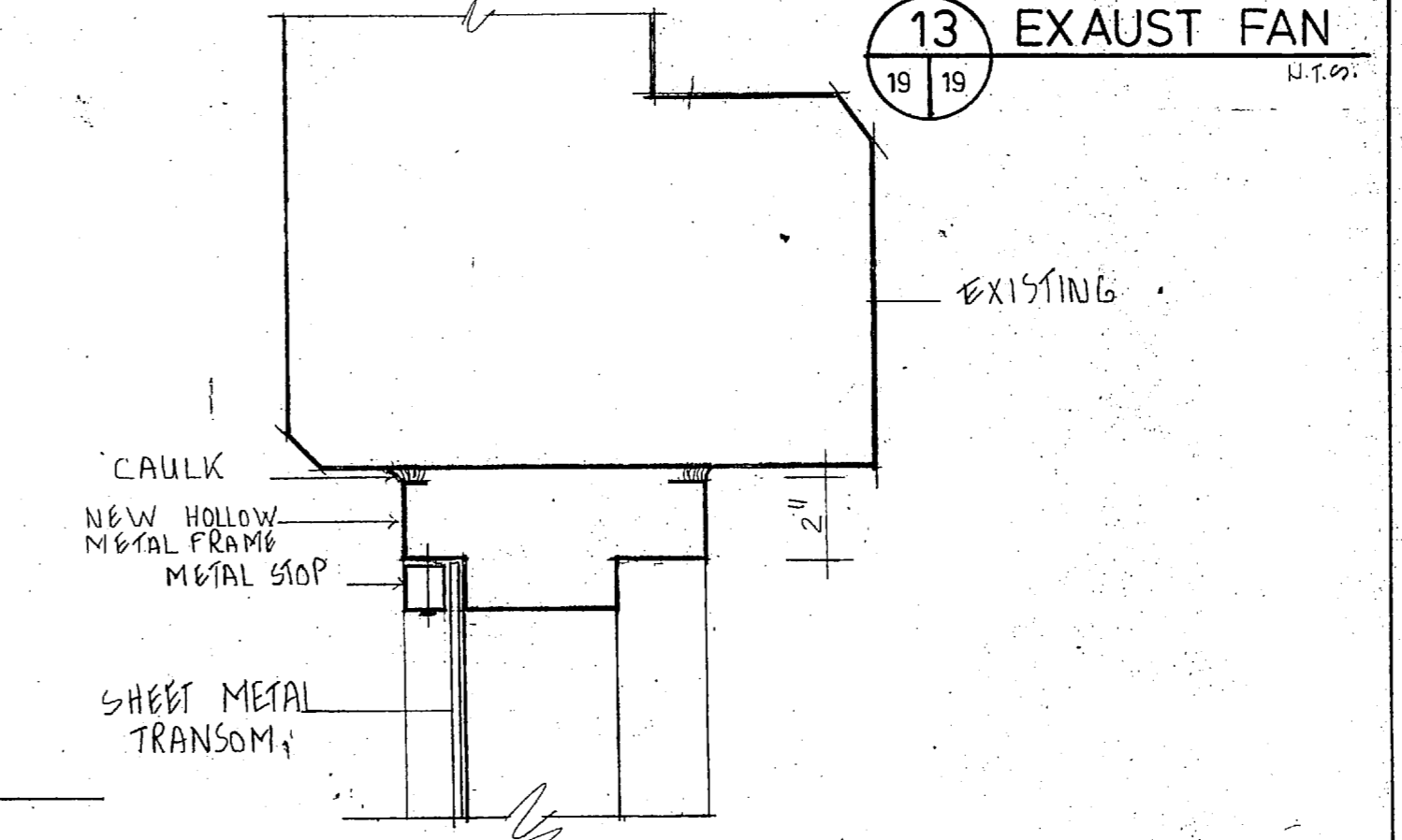
3 EAST ELEVATION
1/8"=1'-0"



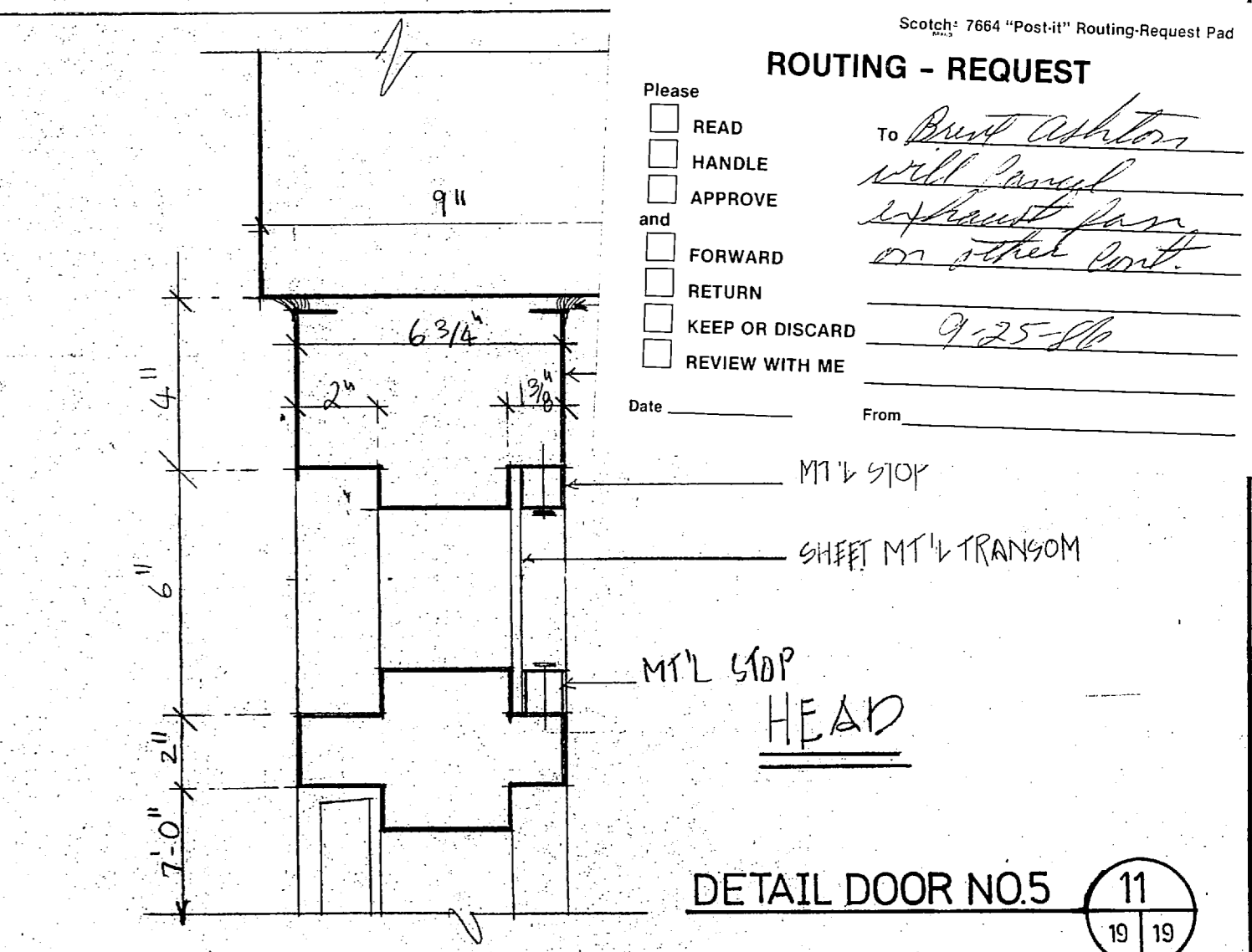
4 WEST ELEVATION
1/8"=1'-0"



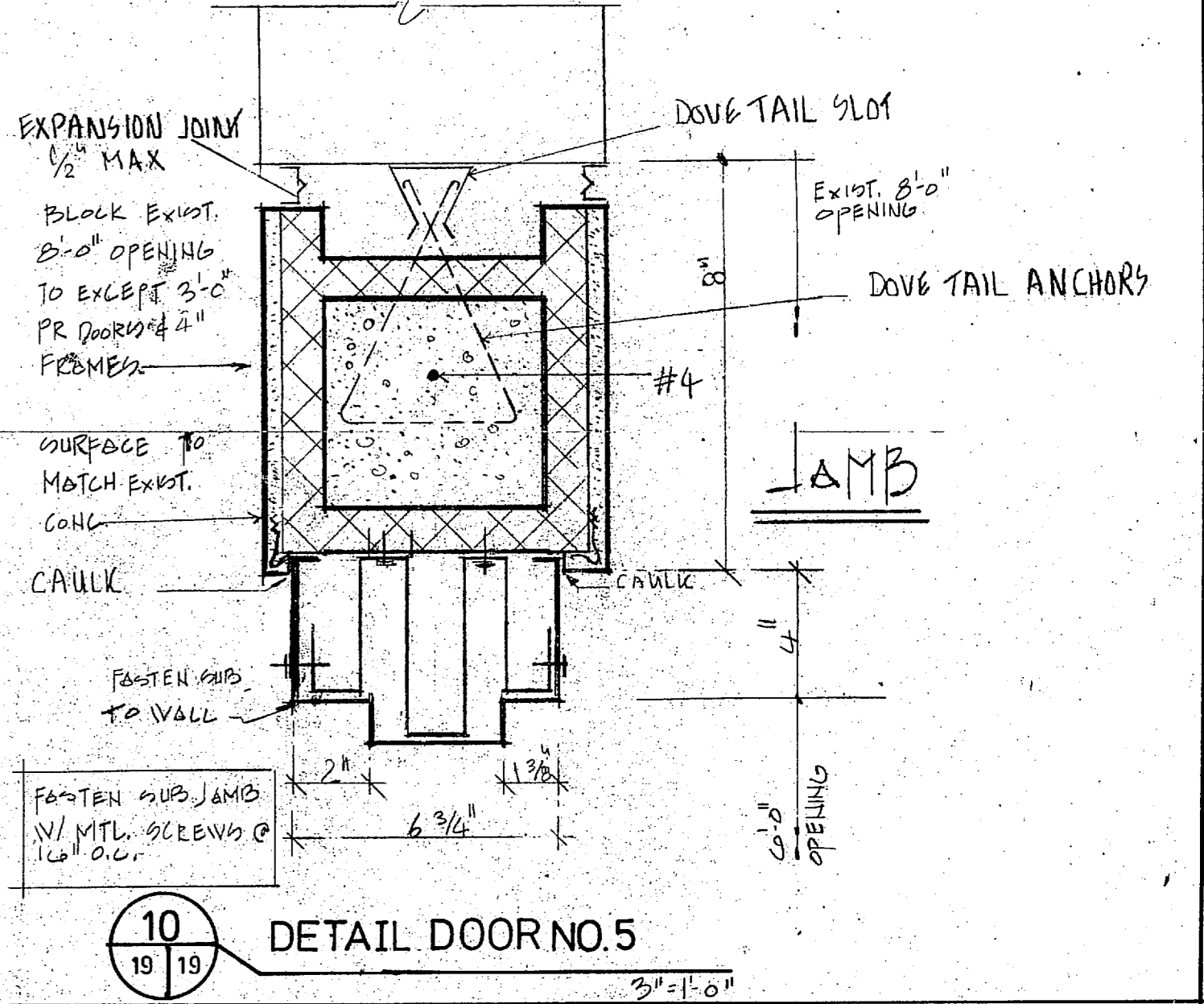
12 AMONIA ROOM
1/8"=1'-0"



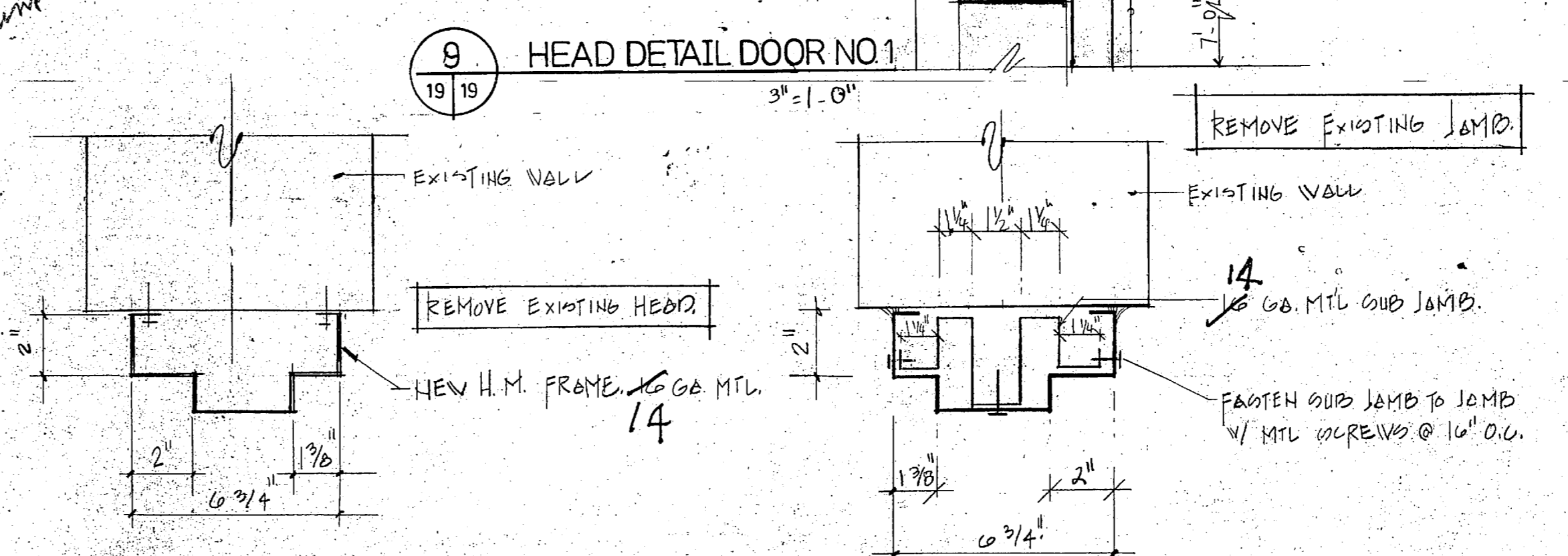
13 EXHAUST FAN
1/8"=1'-0"



11 DETAIL DOOR NO.5
1/8"=1'-0"



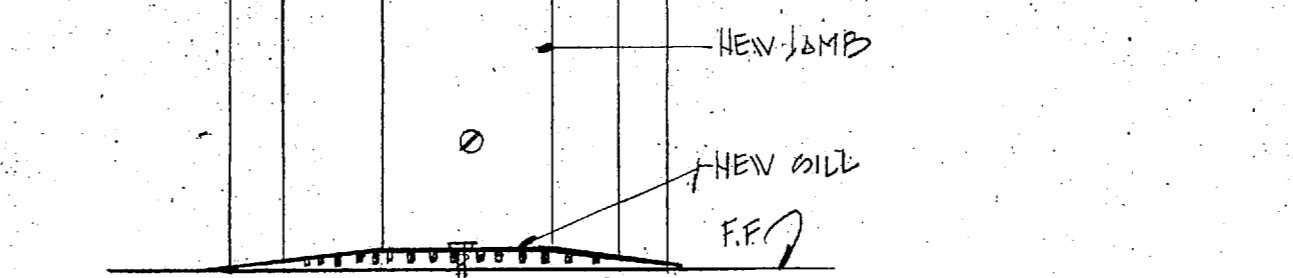
10 DETAIL DOOR NO.5
3/8"=1'-0"



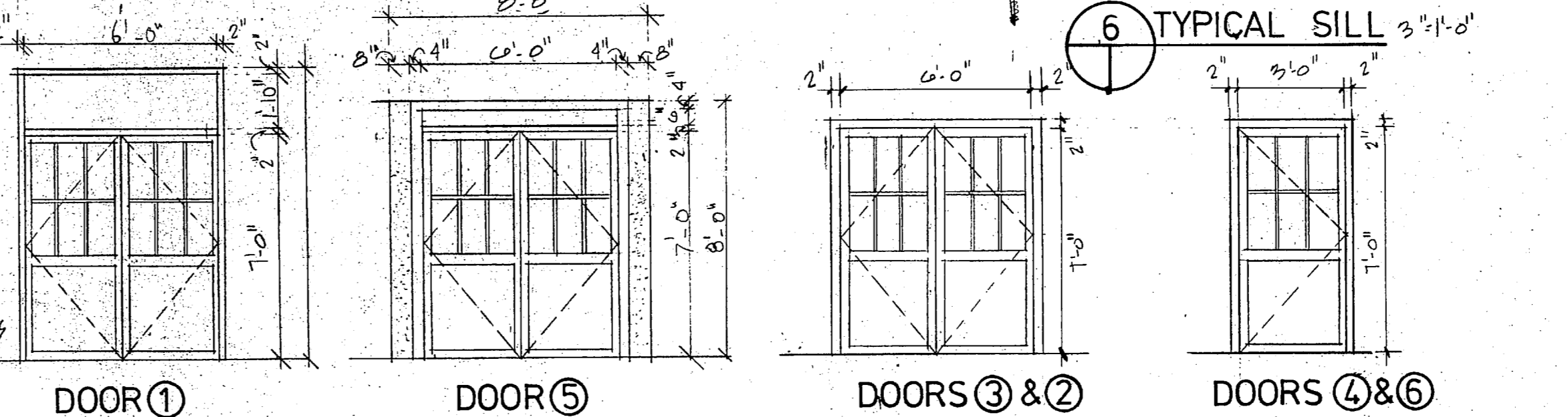
9 HEAD DETAIL DOOR NO.1
3/8"=1'-0"

7 TYPICAL HEAD
3/8"=1'-0"

8 TYPICAL JAMB
3/8"=1'-0"



6 TYPICAL SILL
3/8"=1'-0"



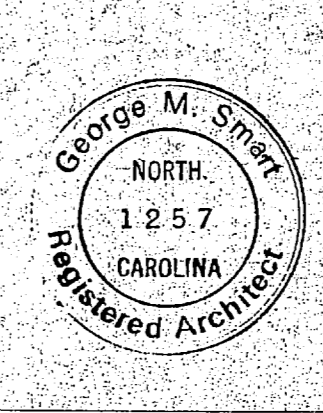
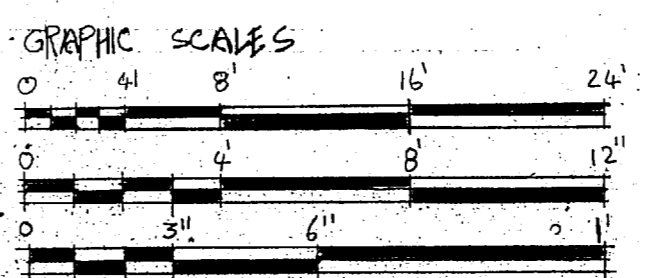
5 DOOR ELEVATIONS
1/4"=1'-0"

Door shown not shown other side

Need to Add Doors to Row Water Booster Pump Station Double Door

This is long door

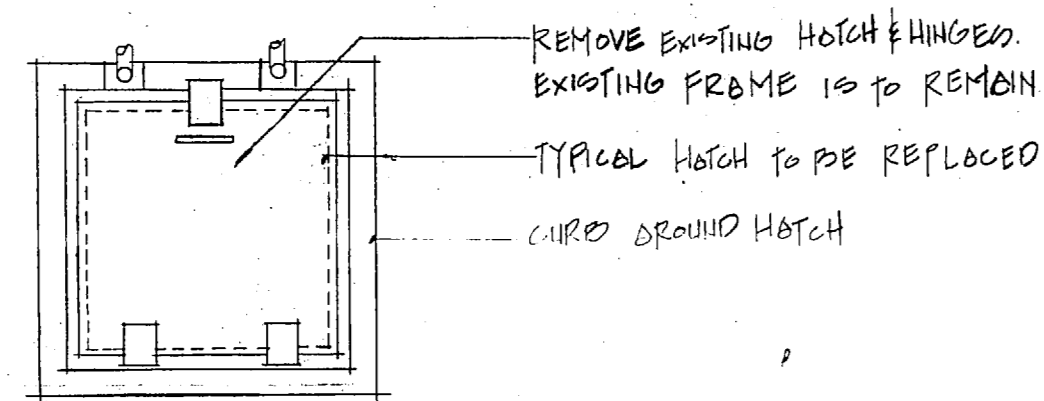
NOTE: REMOVE EXIST WOOD DOORS & FRAMES. CONTRACTOR TO FIELD VERIFY EXIST. DOOR OPENINGS PRIOR TO THE FABRICATION OF NEW M'L DOORS & FRAMES.



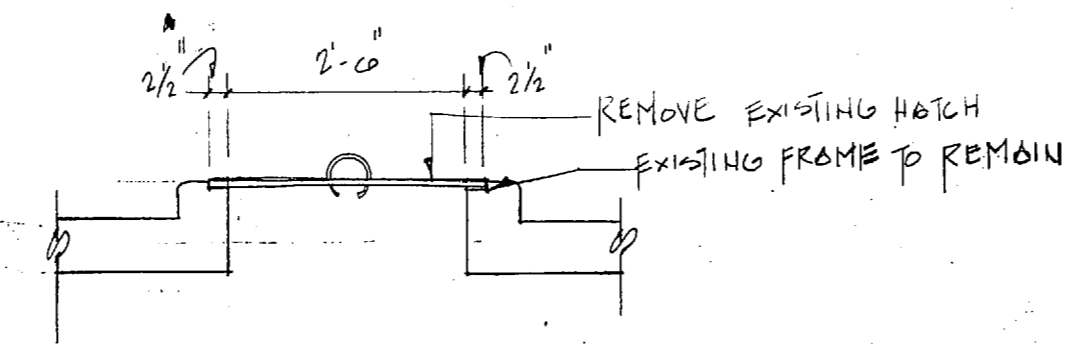
DOORS		FRAMES		REMARKS
MARK.	SIZE	MATERIAL	FIN.	
1	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH
2	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH
3	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH
4	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH
5	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH
6	3'-0" x 7'-0"	M'L	22	226 HORIZ. CH

DESIGNED BY: L.V.D.	DATE: 12/20/18	NAVAC DRAWING NO. 4152577
DR. BY: DR.	DATE: 12/20/18	CONSTR. CONTR. NO. N6470-86-B-5441
CHECKED BY: L.V.D.	DATE: 12/20/18	SHEET 19 OF 20
SUBMITTED BY: DR.	DATE: 12/20/18	
APPROVED: P.W. OR O.C.C.	DATE: 12/20/18	
SATISFACTORY TO: DR.	DATE: 12/20/18	

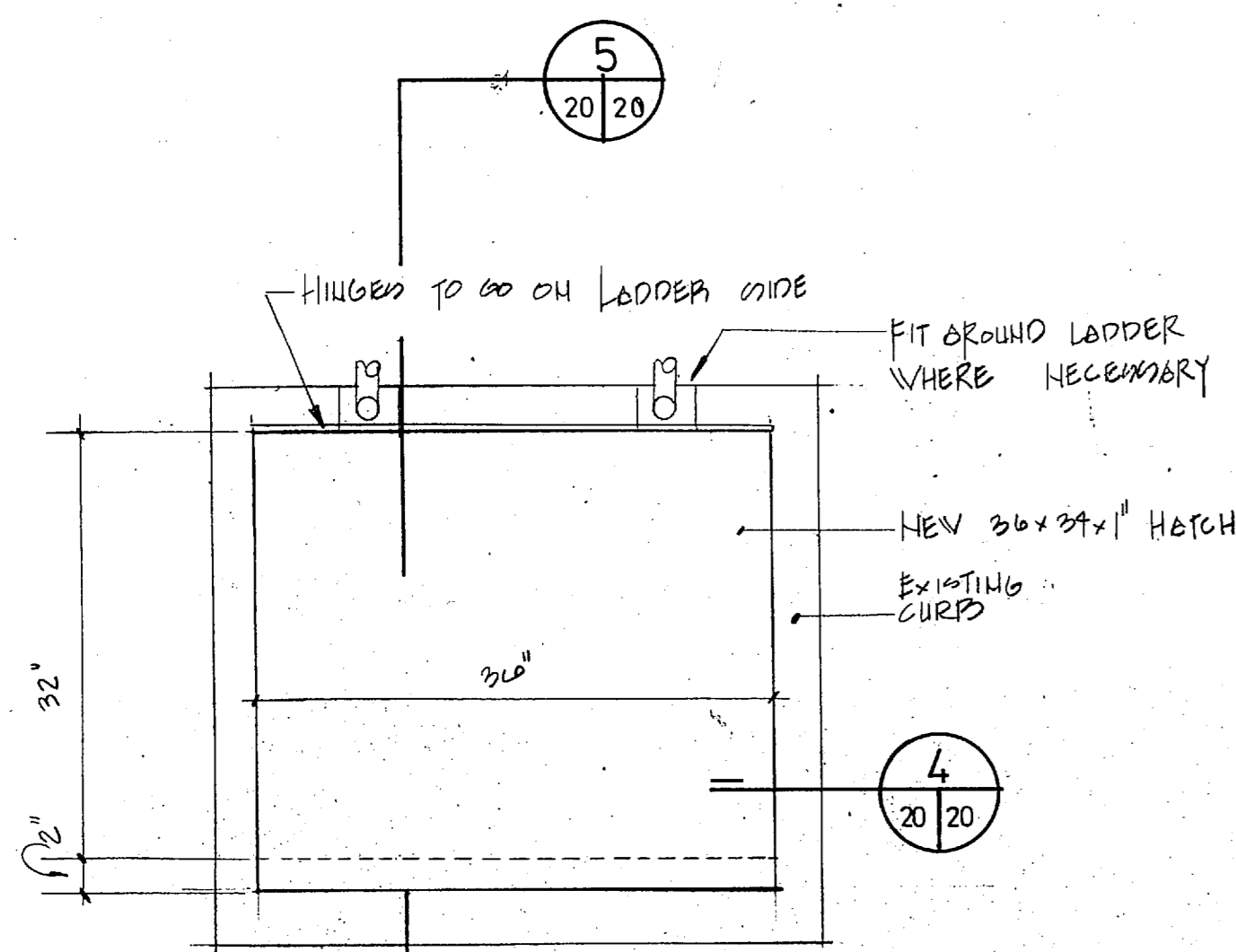
REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVED



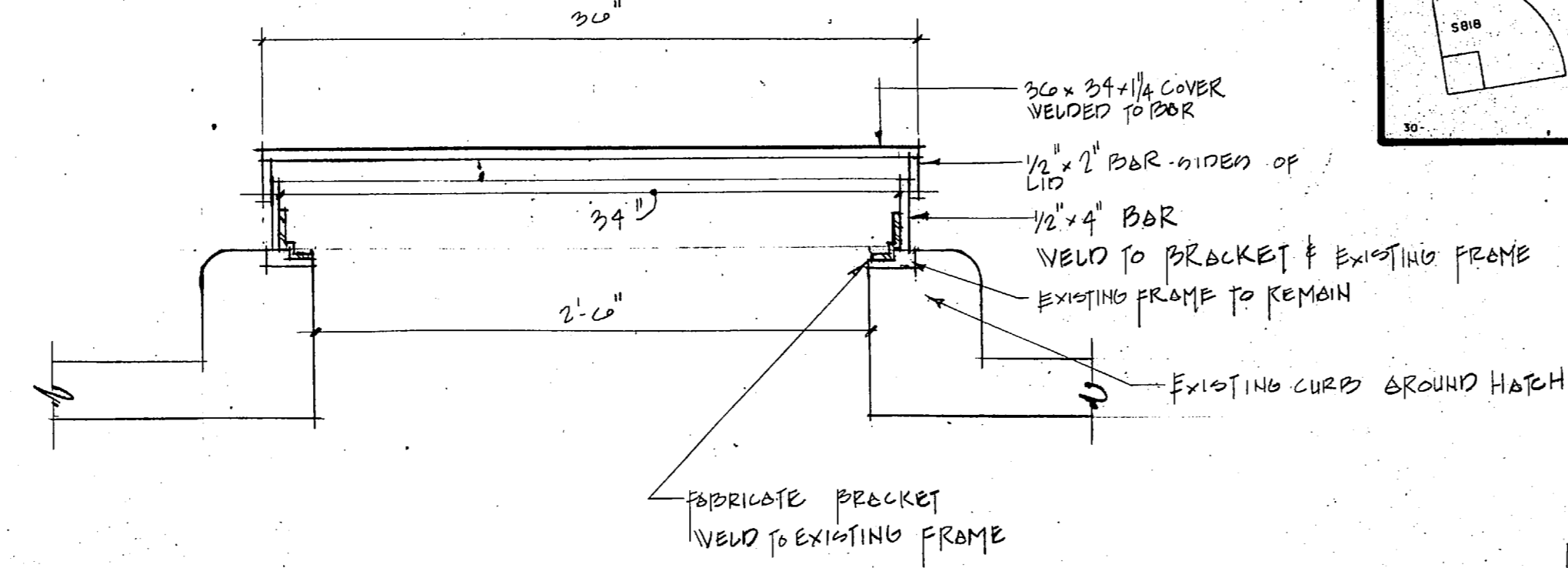
1 EXISTING HATCH TO BE REMOVED
1/2" = 1'-0"



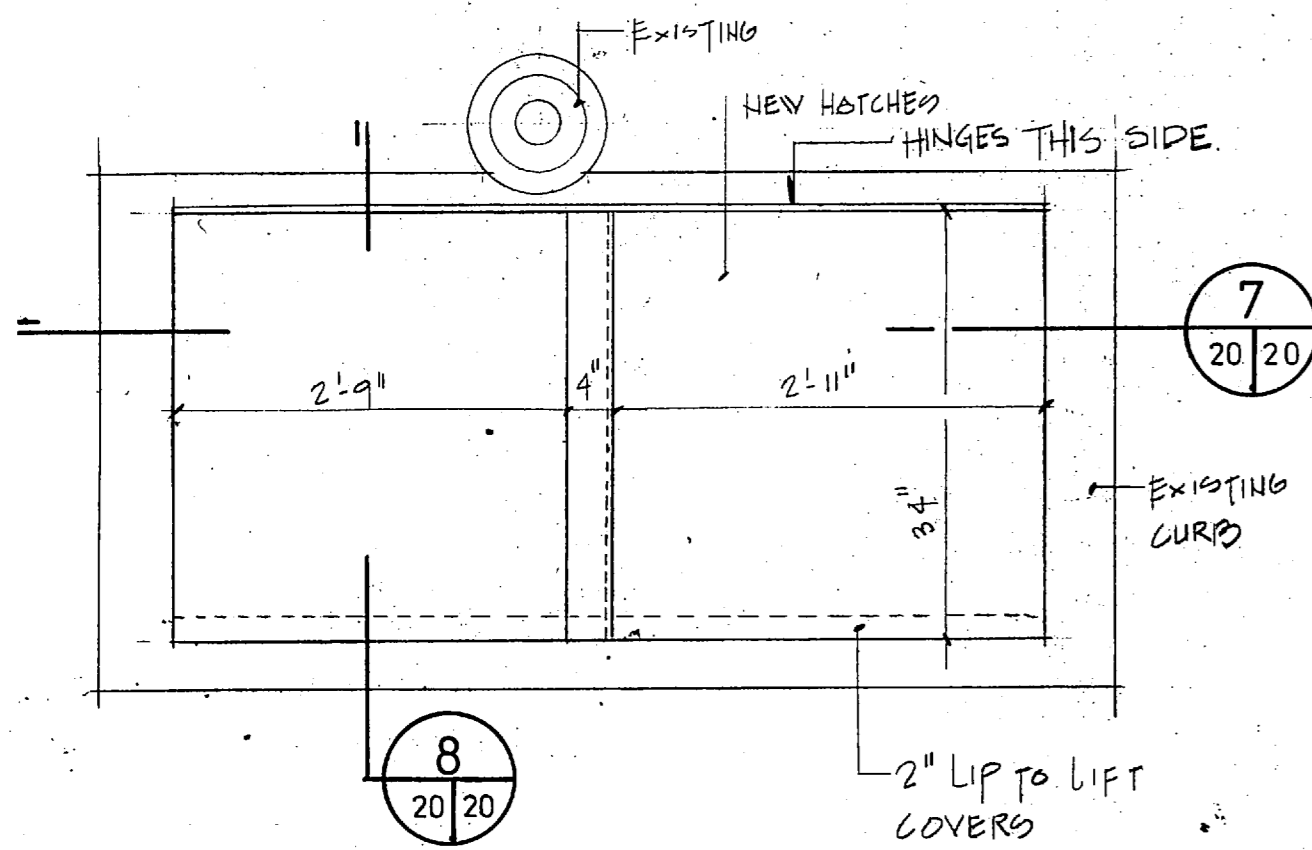
2 EXISTING HATCH SECTION
1/2" = 1'-0"



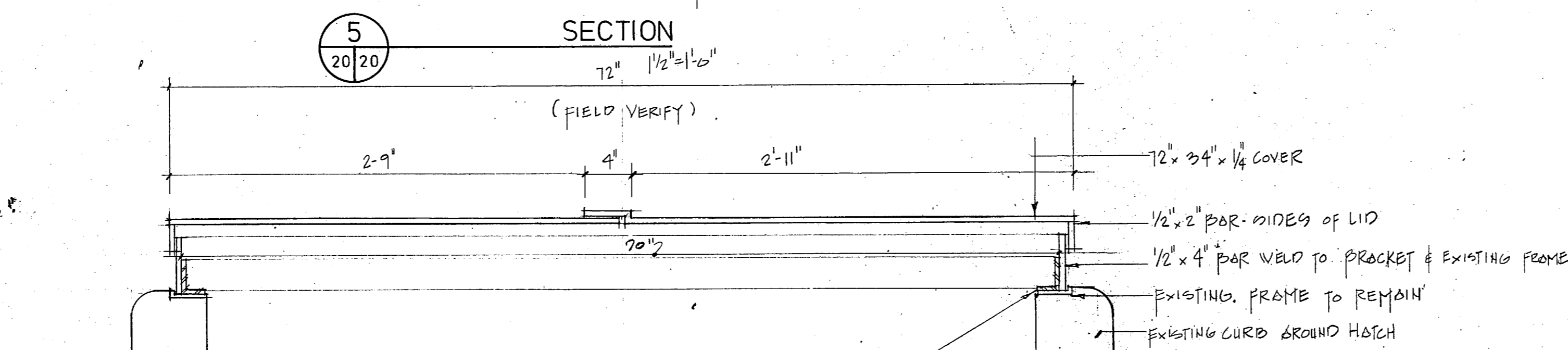
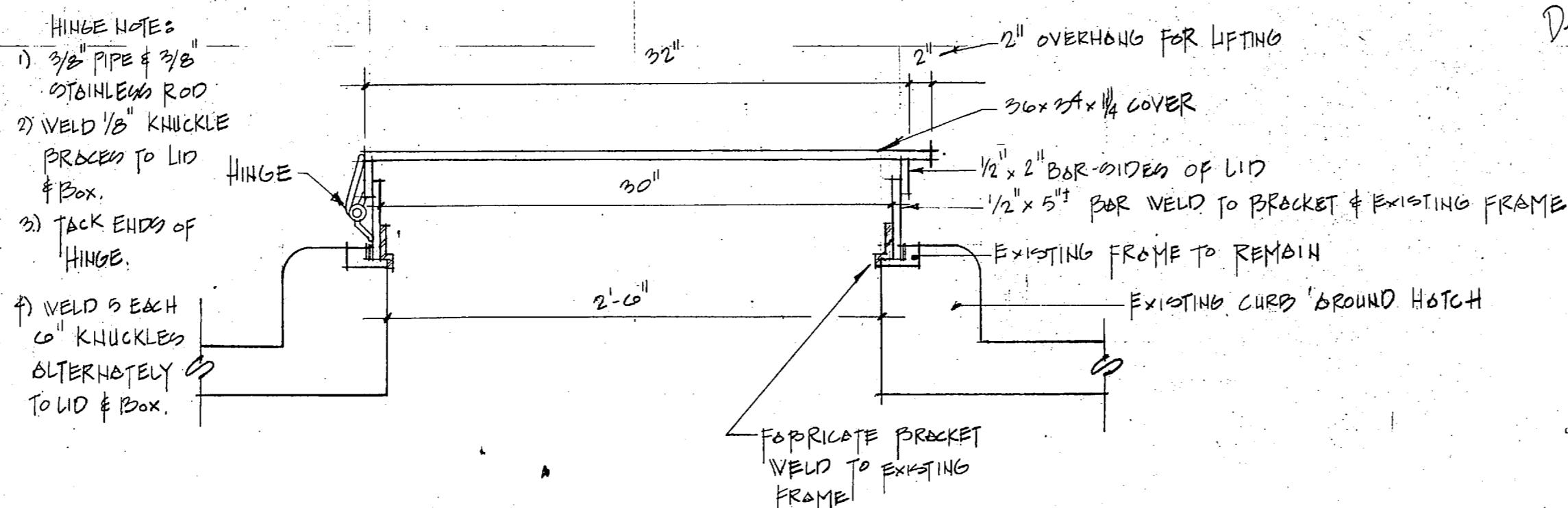
3 NEW HATCH PLAN
1'-0" = 1'-0"



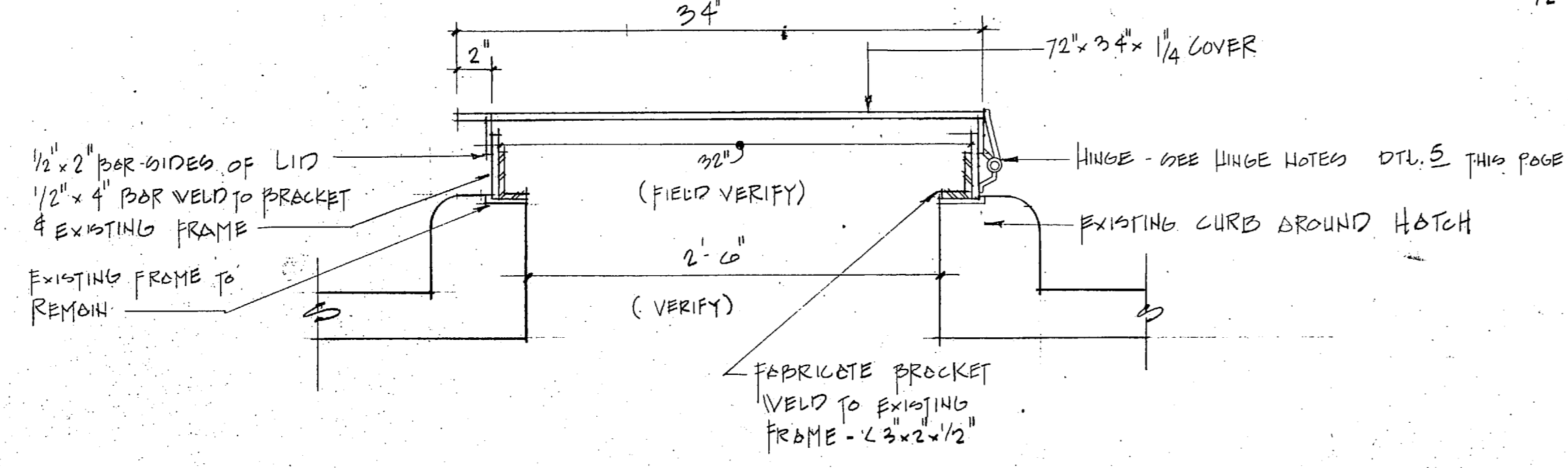
4 NEW HATCH SECTION
1/2" = 1'-0"



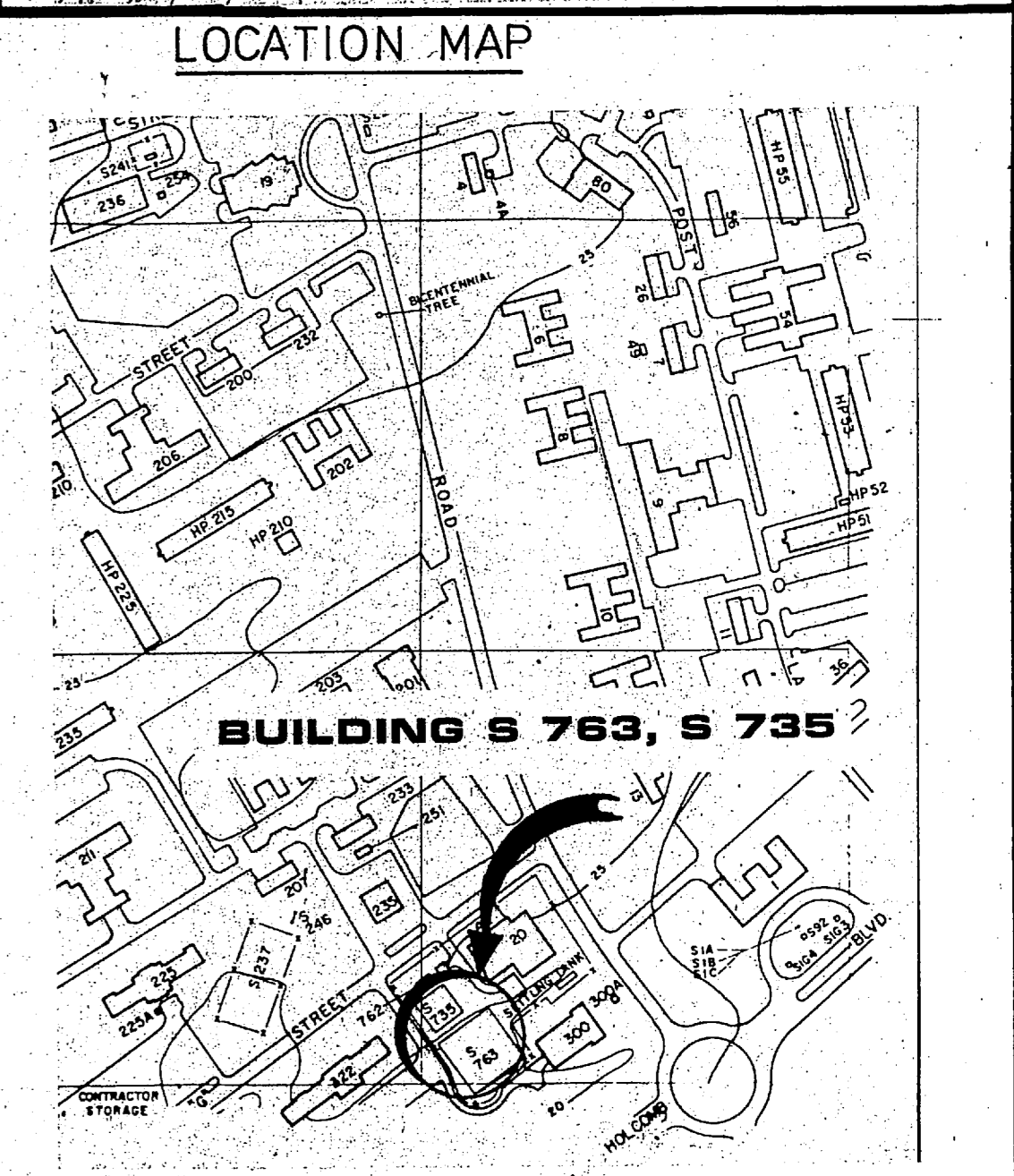
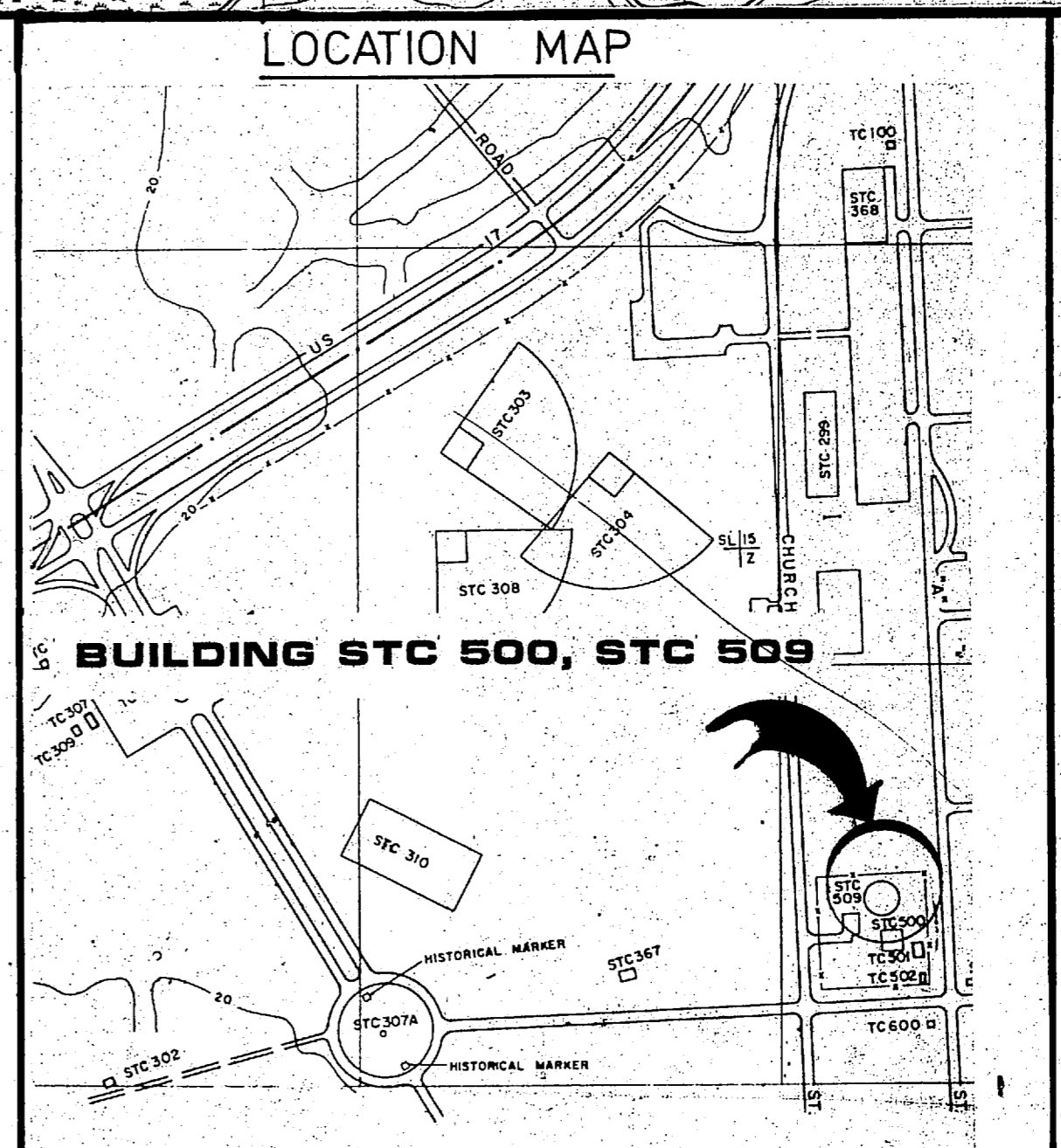
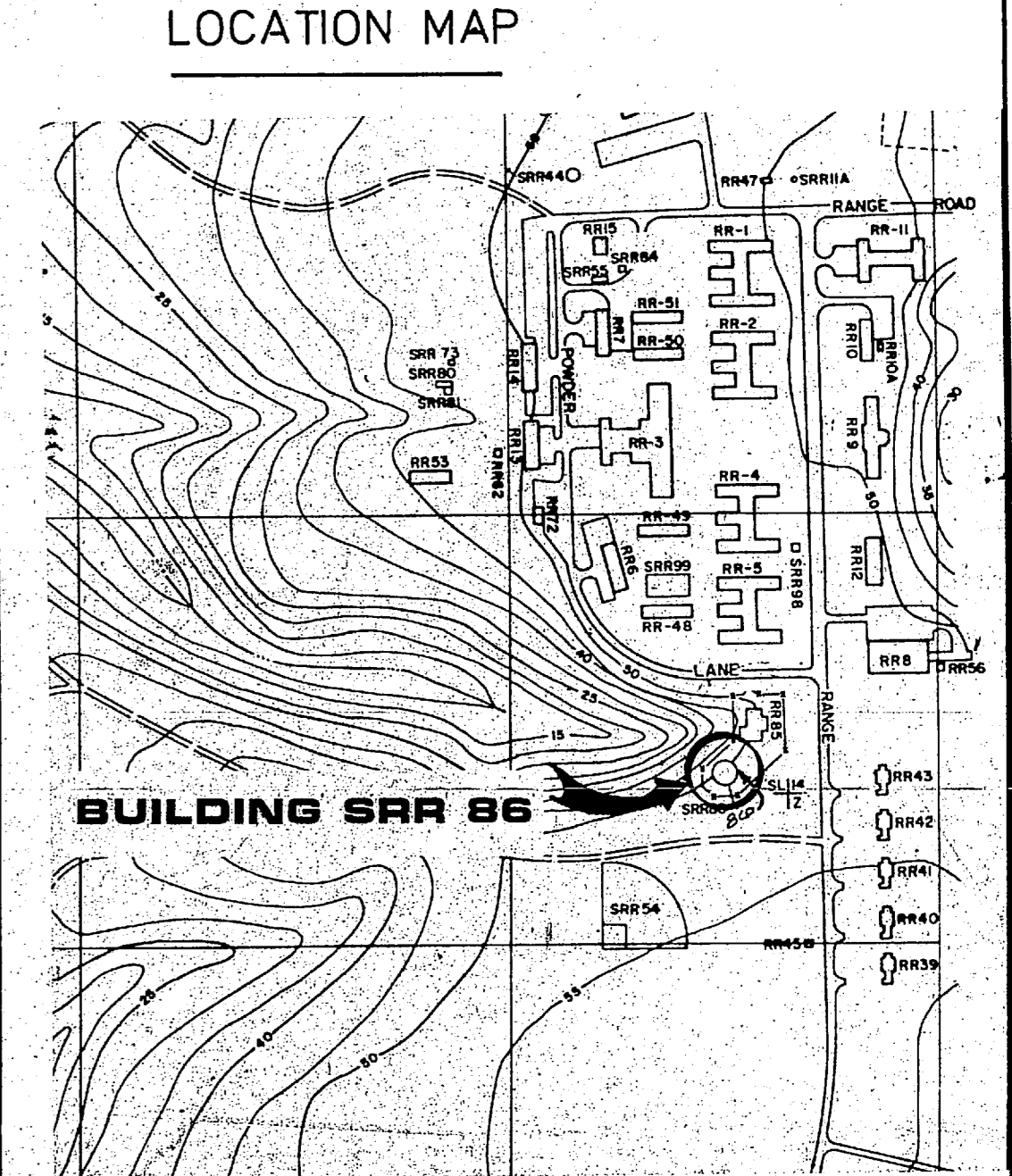
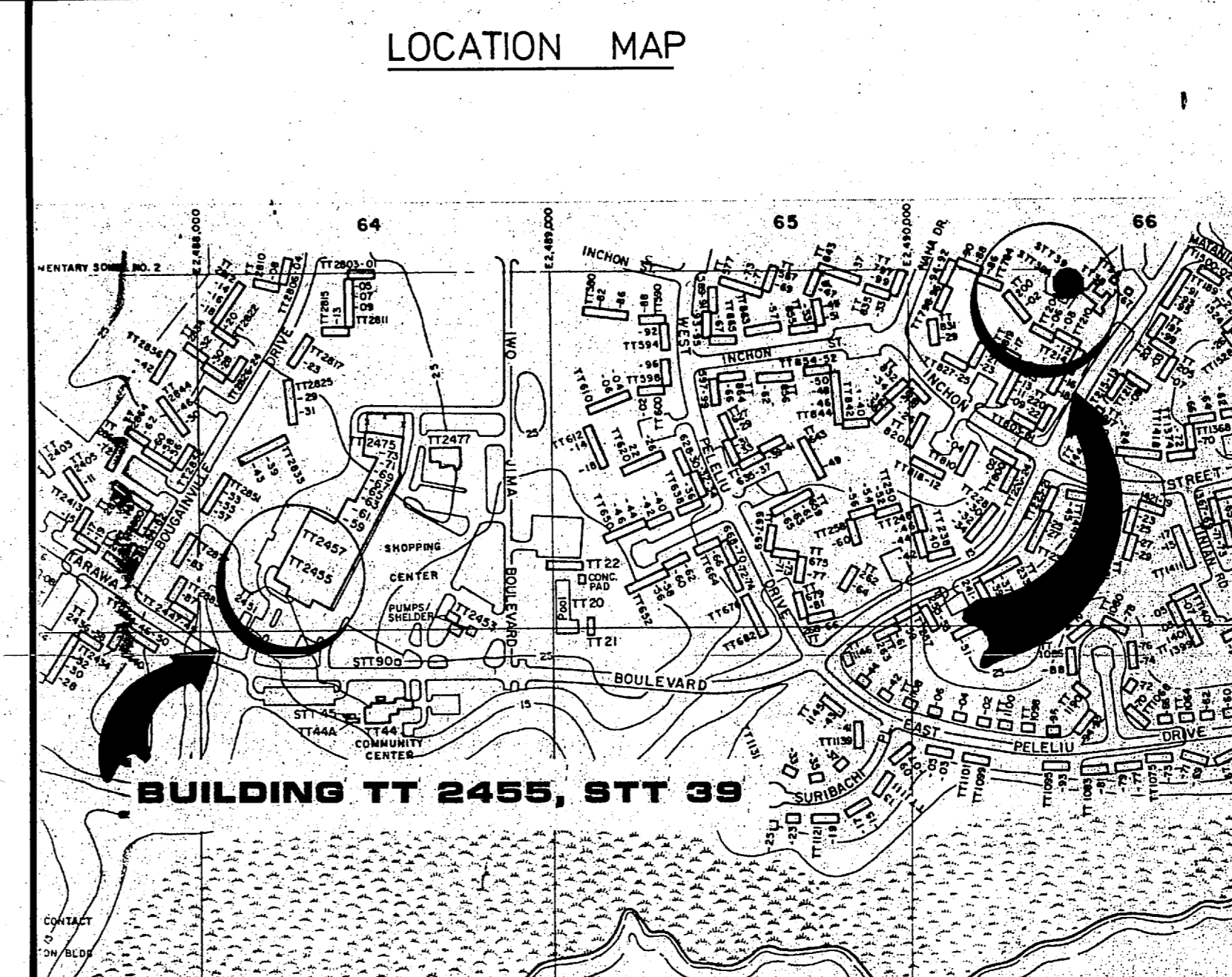
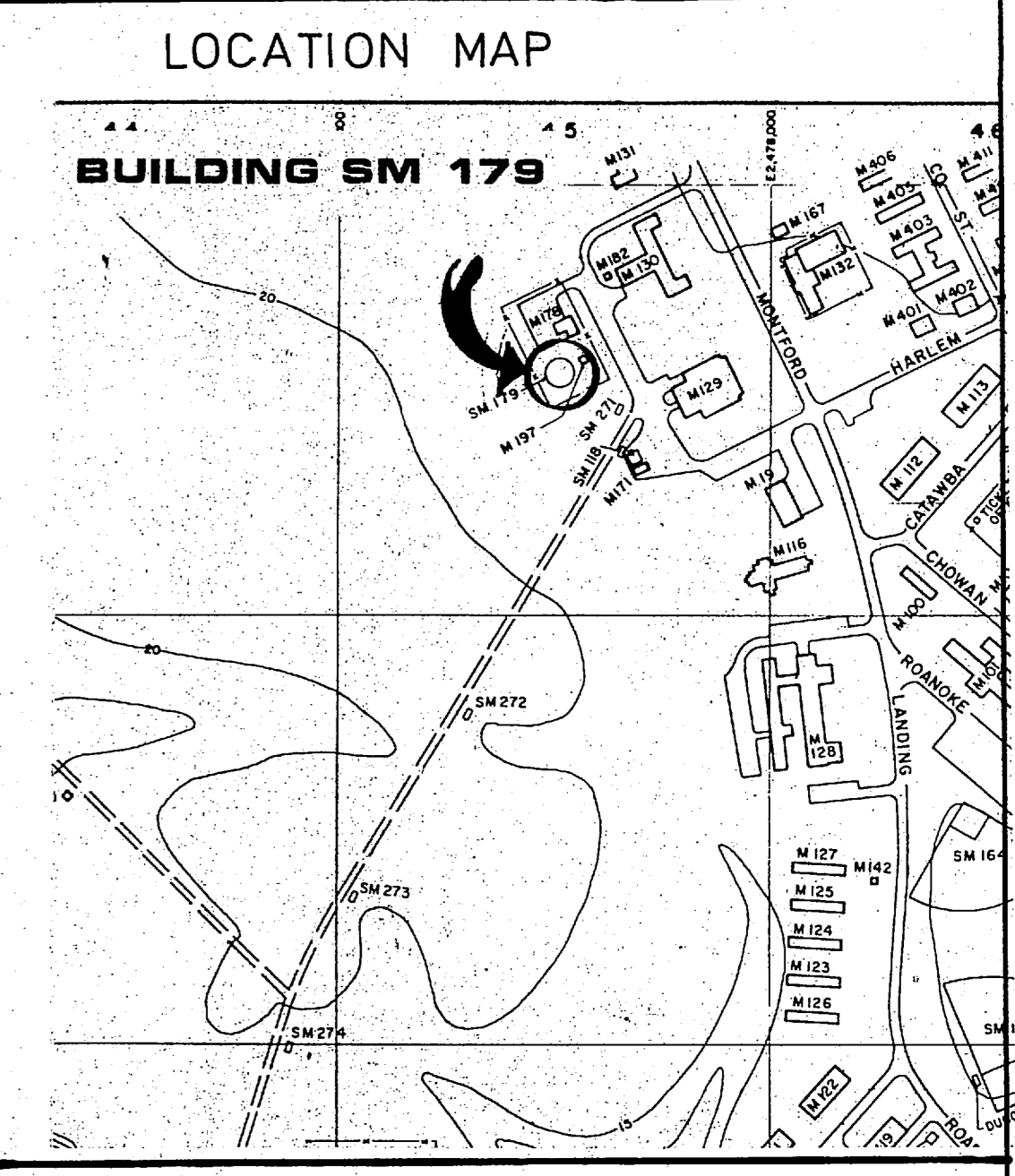
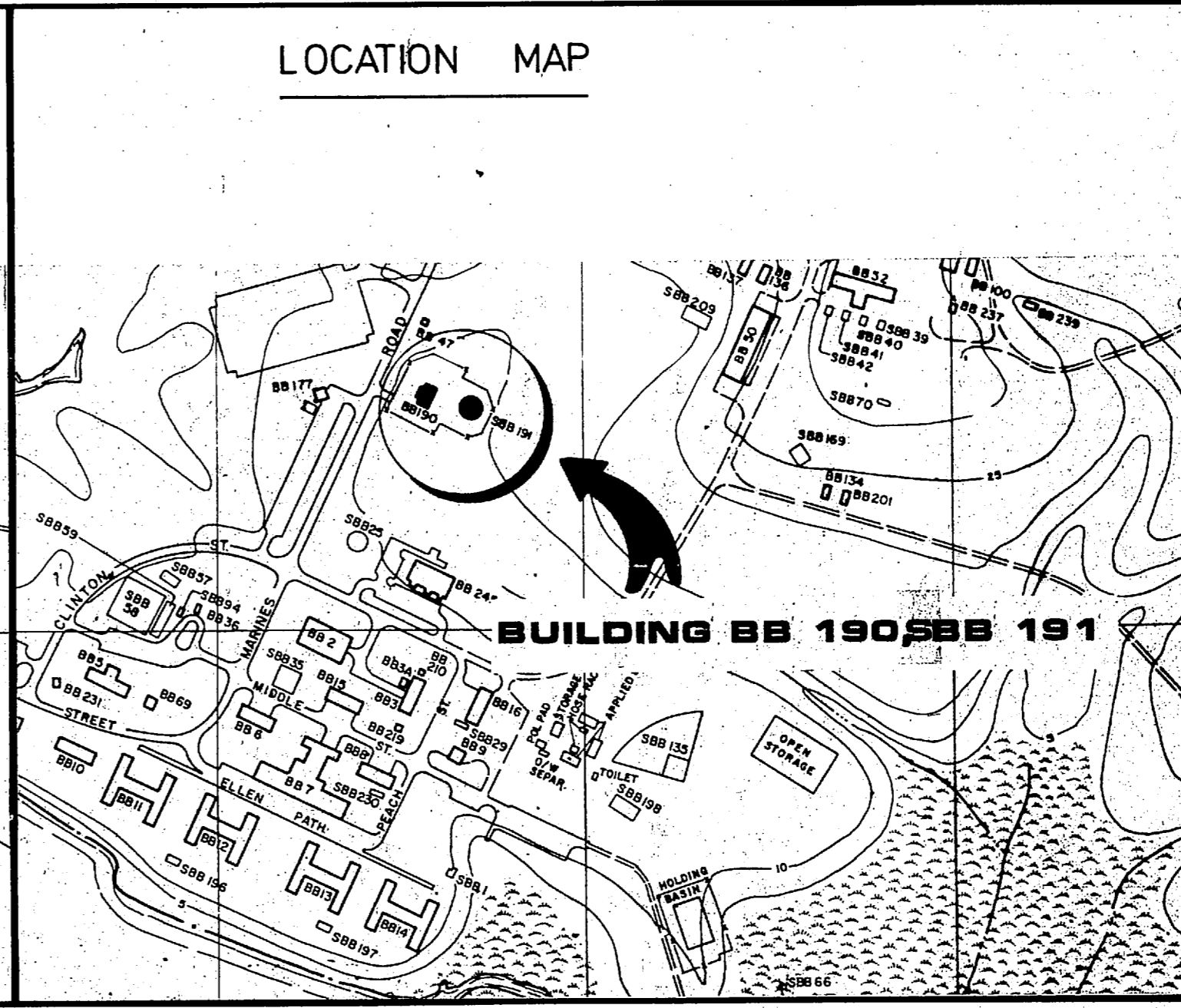
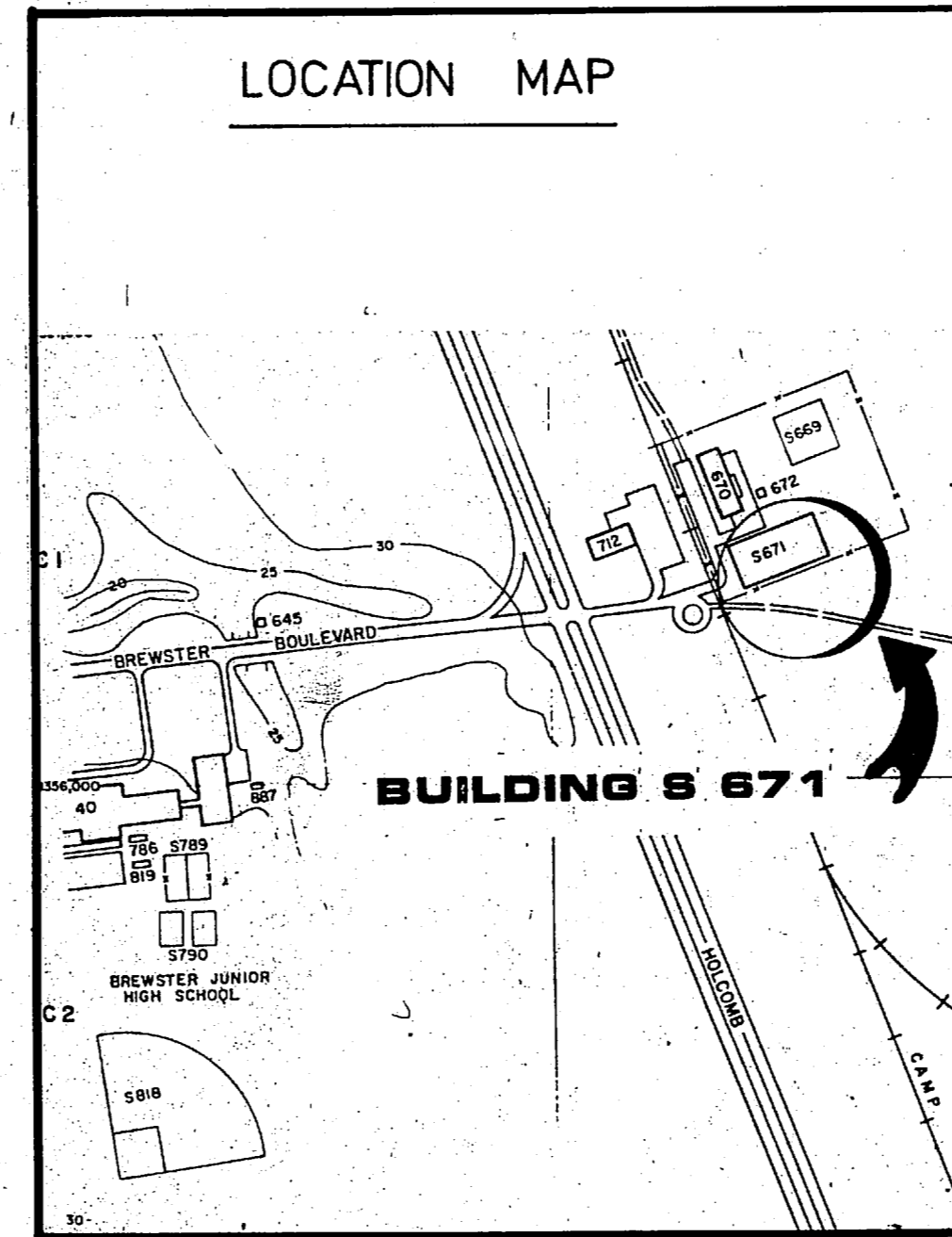
6 PLAN HATCH ON TANK # 735
3/4" = 1'-0"



5 SECTION
1/2" = 1'-0"

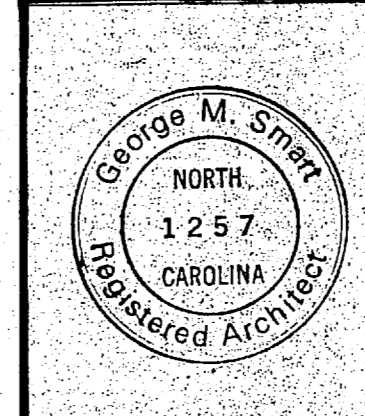
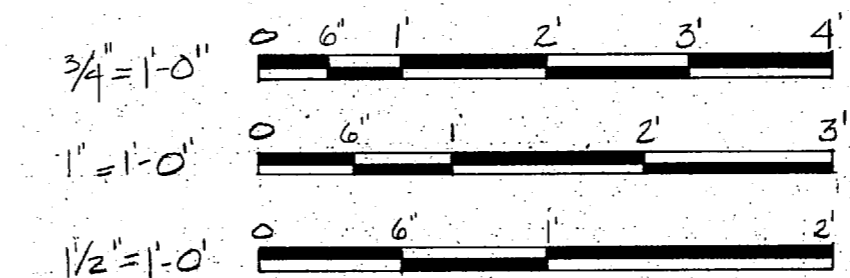


8 SECTION
1/2" = 1'-0"



*Had Hatches
B-20 Low water Reserve
BA-138
Delete Norfolk PT.*

GRAPHIC SCALES



GEORGE M. SMART ARCHITECTS, INC. RALEIGH, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. LHP	DR. DDP	RESEVOIR HATCHES S-671, STT-39, SM-179, SRR-86, S-671, STC-500, STC-509, SBB-191, S-735, S-763 DETAILS	
CHK. LHP	SUBMITTED BY:	DATE	SIZE
DESIGN DIR.	APPROVED: PWO OR DIC	DATE	CODE IDENT. NO.
SATISFACTORY TO:	DATE	F	80091
SCALE: NOTED		SPEC. C5-86-5441	MAYFAC DRAWING NO. 4152578
		CONSTR. CONTR. NO. N62470-86-B-5441	NAVY DRAWING NO. 4152578
		SHEET 20	OF 20

