

**CIVIL:**  
**JM. AQUINO, PE**  
 Julie Shopping Center, Suite 233  
 Agaña, Guam 96910

**STRUCTURAL:**  
**JM. AQUINO, PE**  
 Julie Shopping Center, Suite 233  
 Agaña, Guam 96910

**MECHANICAL:**  
**LEA & ASSOCIATES**  
 E.A. B. 3177  
 Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
 P.O. Box 318  
 Agaña, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
 5110 Building, Suite 600-A  
 Agaña, Guam 96910

**MUSEUM & CONFERENCE CENTER**  
**ADDITIONS TO**  
**CATHEDRAL - BASILICA**  
 ACANA  
 GUAM



**nitro professional**

**DRAWING TITLE:**  
 LIGHTING FIXTURE  
 SCHEDULE  
 ELECTRICAL DETAILS

DESIGNED BY: ASD  
 DRAWN BY: JC/RS  
 CHECK BY: ASD  
 SUPERSEDED BY: ASD  
 DRAWING NO.: 2019-000000  
 CATEGORY: 2019-000000

**JOB NO. 2019-000000**

DATE: 11/27/19  
 SHEET NO.: 6

### LIGHT FIXTURE SCHEDULE

FIGURE	LAMP DATA	MOUNTING	DESCRIPTION	MANUFACTURER / APPROVED EQUAL OR
TYPE	NUMBER	PER LAMP		
A	2	18	COMPACT FLUORESCENT, 2-18 WATTS, SPECULAR CLEAR ALZAK REFLECTOR, 120V ENCASED AND POTTED NFP BALLAST, UL LISTED.	PRESCOLITE CFB9B-512
B	1	75	TRACT LIGHT PAR-16, 100 VOLTS, ENCASED BRASS, 75 WATTS, LITE TRACT-REGRESSED TRACT-2, TRACT SECTION BRASS FINISH.	PRESCOLITE LIGHT T10-T11-75
C	3	52	PARABOLIC FLUORESCENT, 2x4', 75 LAMP, 27 CELLS, LOWER PARTS CONSTRUCTED OF FIRE ANODIZED SPECULAR LOW REFLECTANT ALUMINUM, 120V.	LITHONIA T15-120-15-22-52
D	3	52	SAME AS TYPE C EXCEPT WITH SELF CONTAINED EMERGENCY BATTERY PACK.	LITHONIA T15-120-15-22-52-EP
E	2	40	REGRESSED FLUORESCENT FIXTURE, 120V, 2 LAMPS, 40 WATTS, UL LISTED.	LITHONIA A12-120-ES
F	1	48	FLUORESCENT STRIP LIGHT, 4'-0" LENGTH, 1 LAMP, 100 VOLTS, UL LISTED.	LITHONIA C11-48-100-ES
G	2	1	CELLING MOUNT EXIT LIGHT, TWIN PL-T TYPE FLUORESCENT LAMP WITH BATTERY BACK-UP.	HIGH-LITES RXP0-2-5M
H	1	100	FLOOR LIGHT, 100W METAL HALIDE, VERTICAL FLOOD, UL LISTED.	HADCO MBS-A-VF-100H-100-100WH
I	1	18	FL FLUORESCENT LAMP, 118 WATTS, CAST ALUMINUM RECESSED WALL LIGHT, 100 VOLTS.	HYDREL 100-100WH-18-100-LL-1-5L
J	1	175	OUTDOOR FLOOD LIGHTING FIXTURE, 175 WATTS METAL HALIDE, DIE CAST ALUMINUM HOUSING AND DOOR, FLAT TEMPERED GLASS.	HYDREL 100-100WH-175-VF-1-5L

### PANEL "MS" SURFACE MOUNTING

3 PHASE 4W/5N 120/208 VOLTS  
 BREAKER MIN. IAC 10000  
 100 AMPS. PANEL WITH 100AMP/100AAT MCB

CIRCUIT NUMBER	LOAD DESCRIPTION	CIRCUIT BREAKER	CONNECTED LOAD			WIRE
			POLE AMPS	ØA (KVA)	ØB (KVA)	
1	LIGHTS (MUSEUM)	IP	20	1.50	0.75	#12
2	LIGHTS (MUSEUM)	IP	20	1.50	0.75	#12
3	LIGHTS (MUSEUM)	IP	20	1.50	0.75	#12
4	TRACK LIGHTS (MUSEUM)	IP	20	1.20	0.60	#12
5	TRACK LIGHTS (MUSEUM)	IP	20	1.20	0.60	#12
6	TRACK LIGHTS (MUSEUM)	IP	20	1.20	0.60	#12
7	DOWN LIGHTS (OFFICE)	IP	20	1.00	0.50	#12
8	LIGHTS (OFFICE & HALLWAY)	IP	20	1.00	0.50	#12
9	FLOOR MTD. OUTLETS	IP	20	0.60	0.30	#12
10	FLOOR MTD. OUTLETS	IP	20	0.60	0.30	#12
11	FLOOR MTD. OUTLETS	IP	20	0.60	0.30	#12
12	CONV. OUTLETS (MUSEUM)	IP	20	0.40	0.20	#12
13	CONV. OUTLETS (MUSEUM)	IP	20	0.40	0.20	#12
14	CONV. OUTLETS (OFFICE)	IP	20	1.00	0.50	#12
15	SPACE	IP	20	1.00	0.50	#12
16	CONV. OUTLETS (ROOF)	IP	20	1.00	0.50	#12
17	EXTERIOR OUTLETS	IP	20	1.00	0.50	#12
18	EXTERIOR OUTLETS	IP	20	1.00	0.50	#12
19	118V ALZAK CONFRG. PANEL	IP	20	1.00	0.50	#12
20	SPACE	IP	20	1.00	0.50	#12
21	SPACE	IP	20	1.00	0.50	#12
22	SPACE	IP	20	1.00	0.50	#12
23	SPACE (RELOCATED)	IP	20	1.00	0.50	#12
24	SPACE (RELOCATED)	IP	20	1.00	0.50	#12
25	SPACE (RELOCATED)	IP	20	1.00	0.50	#12
26	SPACE (RELOCATED)	IP	20	1.00	0.50	#12

LOAD PER PHASE: 10.68, 11.45, 11.60  
 TOTAL CONN. LOAD: 25.76 KVA  
 DEMAND FACTOR: 50%  
 DEMAND LOAD: 12.88 KVA

USE 4 # 2 AWG, THWN, 1 # 6 GND, IN 1/2" G.

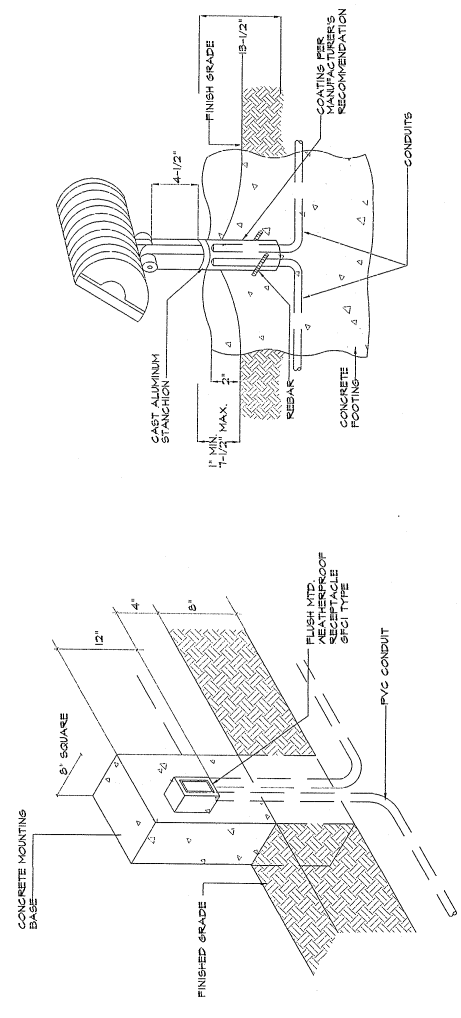
### PANEL "CF" (CONF. RM) SURFACE MOUNTING

3 PHASE 4W/5N 120/208 VOLTS  
 100 AMPS. PANEL WITH 100AMP/100AAT MCB

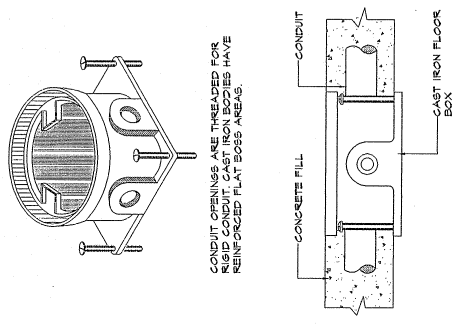
CIRCUIT NUMBER	LOAD DESCRIPTION	CIRCUIT BREAKER	CONNECTED LOAD			WIRE
			POLE AMPS	ØA (KVA)	ØB (KVA)	
1	LIGHTS (CONF. RM)	IP	20	1.50	0.75	#12
2	LIGHTS (CONF. RM)	IP	20	1.50	0.75	#12
3	LIGHTS (CONF. RM)	IP	20	1.50	0.75	#12
4	TRACK LIGHTS (CONF. RM)	IP	20	1.20	0.60	#12
5	TRACK LIGHTS (CONF. RM)	IP	20	1.20	0.60	#12
6	TRACK LIGHTS (CONF. RM)	IP	20	1.20	0.60	#12
7	DOWN LIGHTS (CONF. RM)	IP	20	1.00	0.50	#12
8	LIGHTS (OFFICE & HALLWAY)	IP	20	1.00	0.50	#12
9	EXT. LIGHTS	IP	20	0.60	0.30	#12
10	CONV. OUTLETS (CONF. RM)	IP	20	0.40	0.20	#12
11	CONV. OUTLETS (CONF. RM)	IP	20	0.40	0.20	#12
12	PROJECTOR	IP	20	1.00	0.50	#12
13	AUDIO/VIDEO SYSTEM	IP	20	1.00	0.50	#12
14	AUDIO/VIDEO SYSTEM	IP	20	1.00	0.50	#12
15	AUDIO/VIDEO SYSTEM	IP	20	1.00	0.50	#12
16	CONV. OUTLETS (ROOF)	IP	20	1.00	0.50	#12
17	PLIGHT (FRONT CANOPY)	IP	20	1.00	0.50	#12
18	ROOF VENTILATOR	IP	20	2.00	1.00	#12
19	PTB	IP	20	2.00	1.00	#12

LOAD PER PHASE: 8.50, 7.12, 7.84  
 TOTAL CONN. LOAD: 23.26 KVA  
 DEMAND FACTOR: 50%  
 DEMAND LOAD: 11.63 KVA

USE 4 # 2 AWG, THWN, 1 # 6 GND, IN 1/2" G.



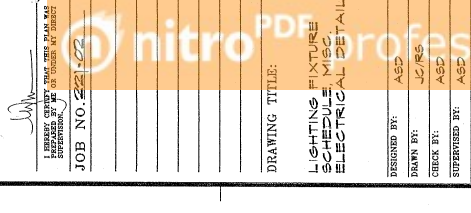
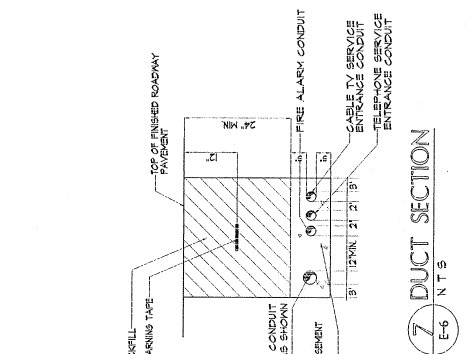
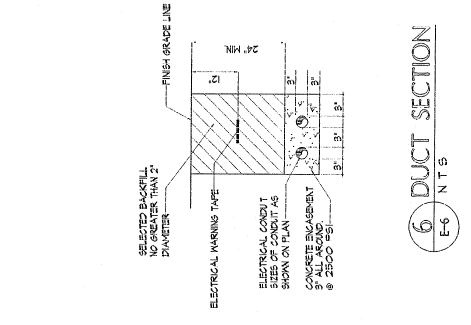
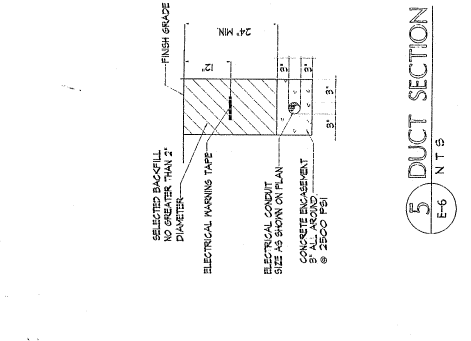
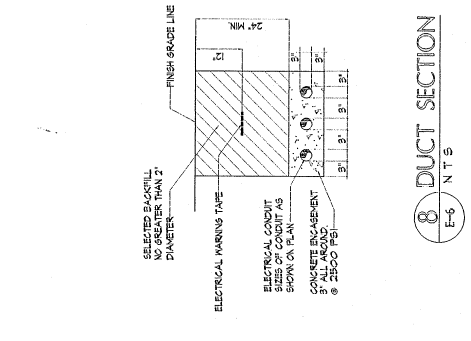
1 RECEPTACLE MOUNTING DETAIL  
 E-5 NTS



2 EXT. LIGHT MOUNTING DETAIL  
 E-5 NTS

3 FLOOR MOUNTED RECEPTACLE  
 E-5 NTS

4 PIPING PENETRATION DETAIL  
 E-6 NTS



5 DUCT SECTION  
 E-6 NTS

6 DUCT SECTION  
 E-6 NTS

7 DUCT SECTION  
 E-6 NTS

8 DUCT SECTION  
 E-6 NTS

9 PIPING PENETRATION DETAIL  
 E-6 NTS

CIVIL: \_\_\_\_\_  
 STRUCTURAL: \_\_\_\_\_  
 MECHANICAL:  
 LRA & ASSOCIATES  
 P.O. Box 3189  
 Agaña, Guam 96912  
 ELECTRICAL:  
 A.S. DELGADO &  
 ASSOCIATES  
 P.O. Box 3189  
 Agaña, Guam 96910  
 LANDSCAPE: \_\_\_\_\_

FLOOR REPLACEMENT FOR  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL BASILICA  
 AGAÑA, GUAM

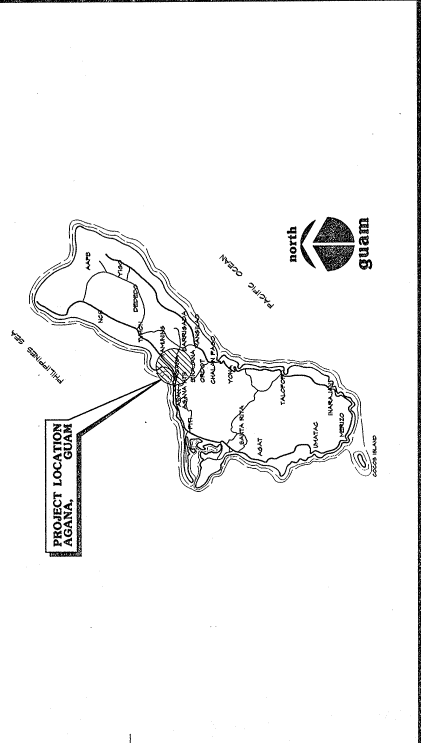


DESIGNED BY: ATL  
 DRAWN BY: KM  
 CHECKED BY: ATLEAC  
 SUPERVISOR BY: ATLEAC  
 DRAWING NO. 850-00009  
 DATE: 11/19/97  
 JOB NO. 221-03  
 I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED BY ME OR UNDER MY SUPERVISION.

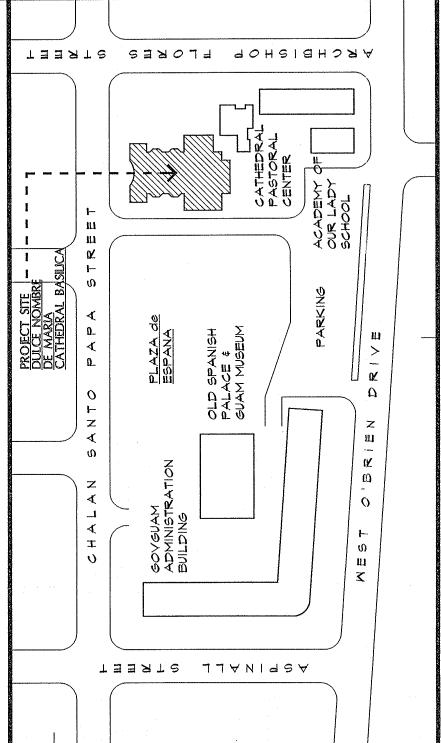
# FLOOR REPLACEMENT FOR DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA

AGAÑA,  
 GUAM

PROJECT LOCATION



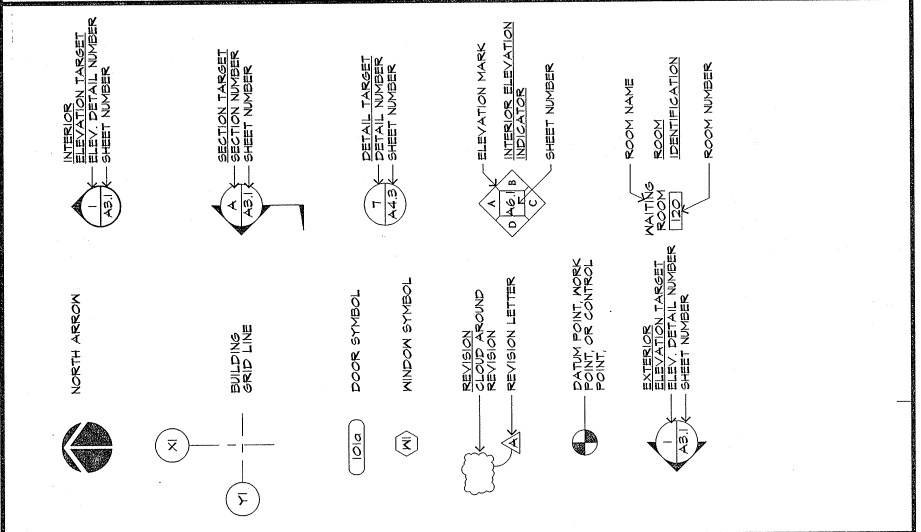
VICINITY MAP



INDEX OF DRAWINGS

DWG NO.	DESCRIPTION	DWG NO.	DESCRIPTION
T 11	<u>GENERAL</u> COVER SHEET, PROJECT TITLE, LOCATION AND VICINITY MAPS, INDEX OF DRAWINGS, ARCHITECTURAL SYMBOLS, AND GENERAL NOTES	M 10	<u>ELECTRICAL</u>
A-1	<u>ARCHITECTURAL</u> EXISTING FLOOR PLANS, DEMOLITION AND REMOVAL NOTES	M 20	
A-2	NEW FLOOR PLANS	M 21	
A-3	NEW DETAIL FLOOR PLANS	M 22	
A-4	NEW DETAIL FLOOR PLANS	E - 1	
A-5	MISCELLANEOUS DETAILS AND SECTIONS	E - 2	
		E - 3	

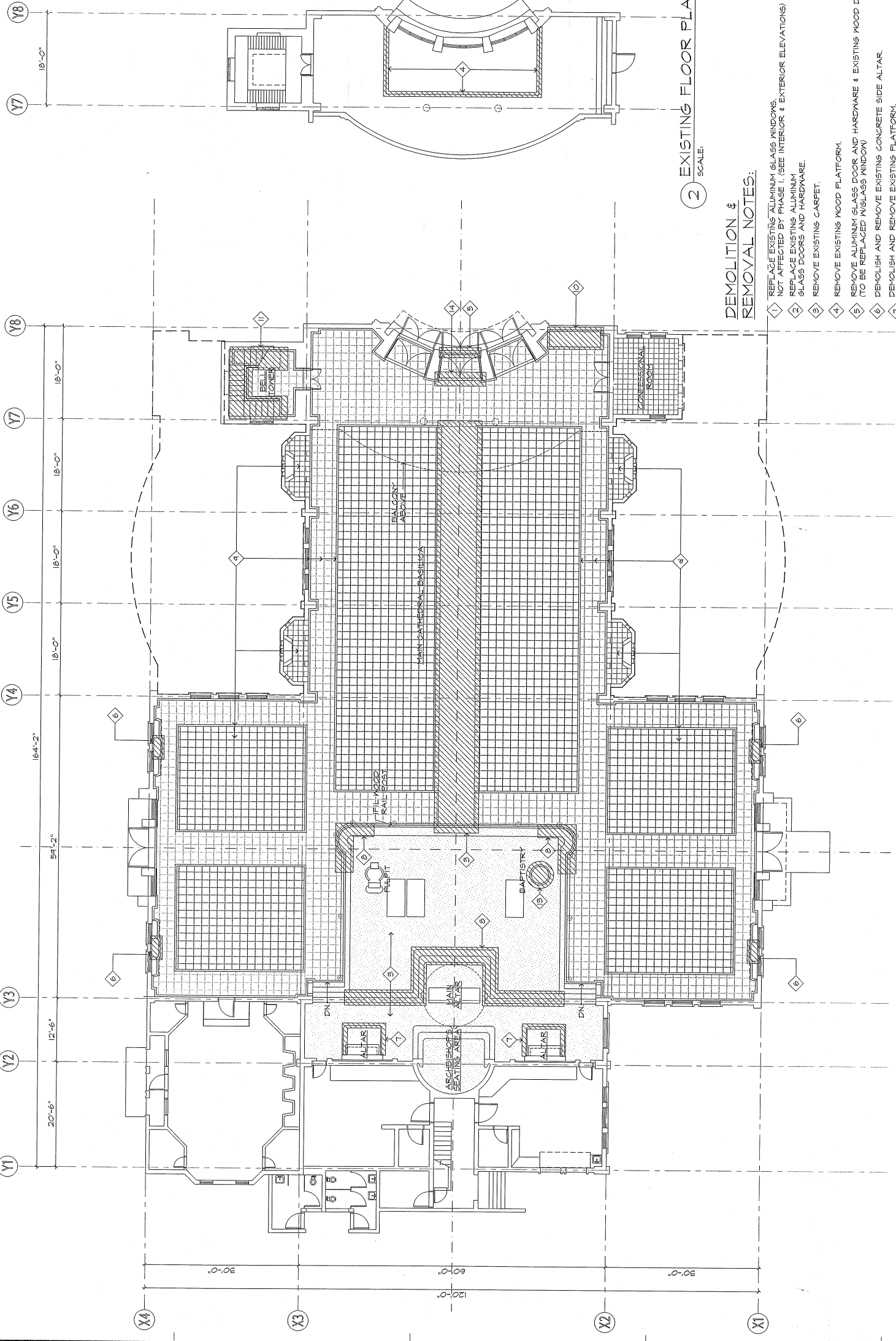
ARCHITECTURAL SYMBOLS



GENERAL NOTES

- I. SCOPE INFORMATION
  - A. LISTED BELOW ARE THE CODES USED IN THE DESIGN OF THIS PROJECT:
    1. UNIFORM BUILDING CODE 1944 ED.
    2. UNIFORM MECHANICAL CODE 1944 ED.
    3. UNIFORM ELECTRICAL CODE 1944 ED.
    4. NFPA 101 LIFE SAFETY CODE 1944 ED.
    5. ADA HANDBOOK
  - B. TYPE OF CONSTRUCTION: TYPE II - FIRE RESISTANT
  - C. OCCUPANCY CLASSIFICATION: 0-1
- II. DIMENSION SYSTEM
  - A. DIMENSIONS, UNLESS NOTED OTHERWISE, ARE GIVEN TO:
    1. GRID LINE
    2. WALL FINISH
    3. FACE OF CONCRETE OR MASONRY
    4. FACE OF PARTITION
  - B. ALL DIMENSIONS ARE IN FEET AND INCHES.
  - C. TO MAINTAIN PROPER ALIGNMENT OF FINISH FLOOR AT JOINT WALLS, DIMENSIONS ARE SHOWN IN ORDER OF THE FOLLOWING PRIORITY:
    1. ARCHITECTURAL DRAWINGS
    2. STRUCTURAL DRAWINGS
  - D. AT DOOR JAMBES WALLS PERPENDICULAR TO DOOR OPENINGS ARE POSITIONED BY THE DIMENSION ON THE DETAIL UNLESS OTHERWISE LOCATED BY DIMENSION ON DETAIL.
  - E. ALL DOOR AND WINDOW OPENINGS SHALL BE BASED UPON SCHEDULED DOOR/WINDOW SIZE AND SPECIFIC DETAILS.
  - F. USE APPROPRIATE DIMENSION POINTS ESTABLISHED ON DETAILS WHEN NECESSARY.
- III. MISCELLANEOUS:
  - A. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.
  - B. DRAWING PLANS SHOWN WERE BASED ON AVAILABLE AS-BUILT DRAWINGS. IF ACTUAL FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN, CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE OWNER.



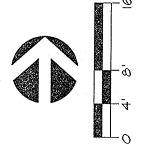


2 EXISTING FLOOR PLAN @ BALCONY  
 SCALE: 1/8" = 1'-0"

**DEMOLITION & REMOVAL NOTES:**

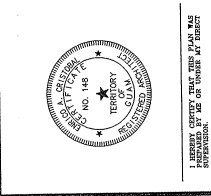
- 1 REPLACE EXISTING ALUMINUM GLASS WINDOWS, NOT AFFECTED BY PHASE 1. (SEE INTERIOR & EXTERIOR ELEVATIONS)
- 2 REPLACE EXISTING ALUMINUM GLASS DOORS AND HARDWARE.
- 3 REMOVE EXISTING CARPET.
- 4 REMOVE EXISTING WOOD PLATFORM.
- 5 REMOVE ALUMINUM GLASS DOOR AND HARDWARE & EXISTING WOOD DOOR. (TO BE REPLACED W/GLASS WINDOW)
- 6 DEMOLISH AND REMOVE EXISTING CONCRETE SIDE ALTAR.
- 7 DEMOLISH AND REMOVE EXISTING PLATFORM. (SEE NEW FLOOR PLAN FOR NEW CONDITIONS)
- 8 DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE STEPS. (SEE NEW FLOOR PLAN FOR NEW CONDITIONS)
- 9 CHIP/ROUGHEN EXISTING TERRAZZO TILE SURFACE READY FOR INSTALLATION OF NEW FLOOR FINISH AS SCHEDULED.
- 10 REMOVE EXISTING I/FIL WOOD ALTAR, TO BE RELOCATED ON SITE AS PER OWNER'S DIRECTION.
- 11 DEMOLISH AND REMOVE EXISTING CONCRETE STAIRS. (SEE NEW FLOOR PLAN FOR NEW CONDITIONS)
- 12 REMOVE AND REPLACE EXISTING WOOD LOWER WINDOW WITH ALUMINUM LOWER WINDOWS.
- 13 RELOCATE EXISTING BAPTISTRY. (SEE NEW FLOOR PLAN FOR NEW LOCATION)
- 14 REMOVE EXISTING HARDWOOD DOOR HEAD, JAMBES AND HARDWARE.
- 15 RELOCATE MAIN ALTAR

1 EXISTING FLOOR PLAN  
 SCALE: 1/8" = 1'-0"



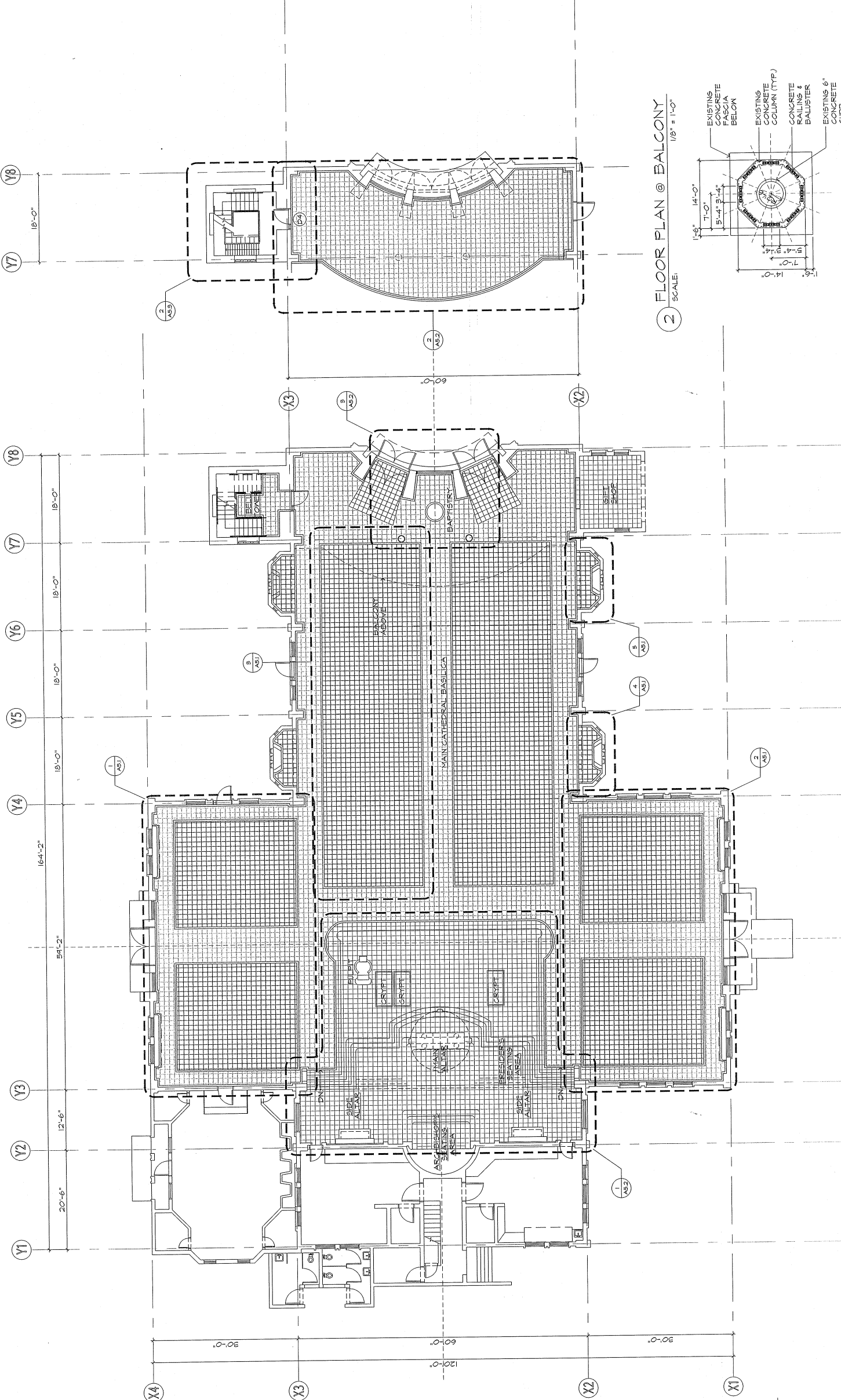
CIVIL:	STRUCTURAL:	MECHANICAL:	ELECTRICAL:

FLOOR REPLACEMENT FOR  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL - BASILICA  
 AGANA, GUAM

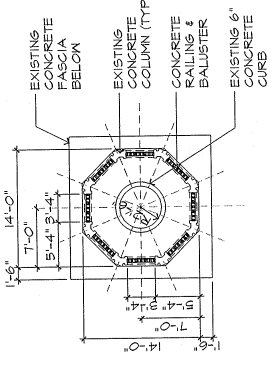


JOB NO. 221-05

DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	ATL/EAC
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	221-05-01
DATE:	05/19/17
SCALE:	AS SHOWN
SHEET NO.:	2

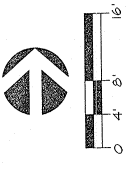


2 FLOOR PLAN @ BALCONY  
 SCALE: 1/8" = 1'-0"



3 FLOOR PLAN @ BELL TOWER  
 SCALE: 1/8" = 1'-0"

1 FLOOR PLAN (GROUND LEVEL)  
 SCALE: 1/8" = 1'-0"





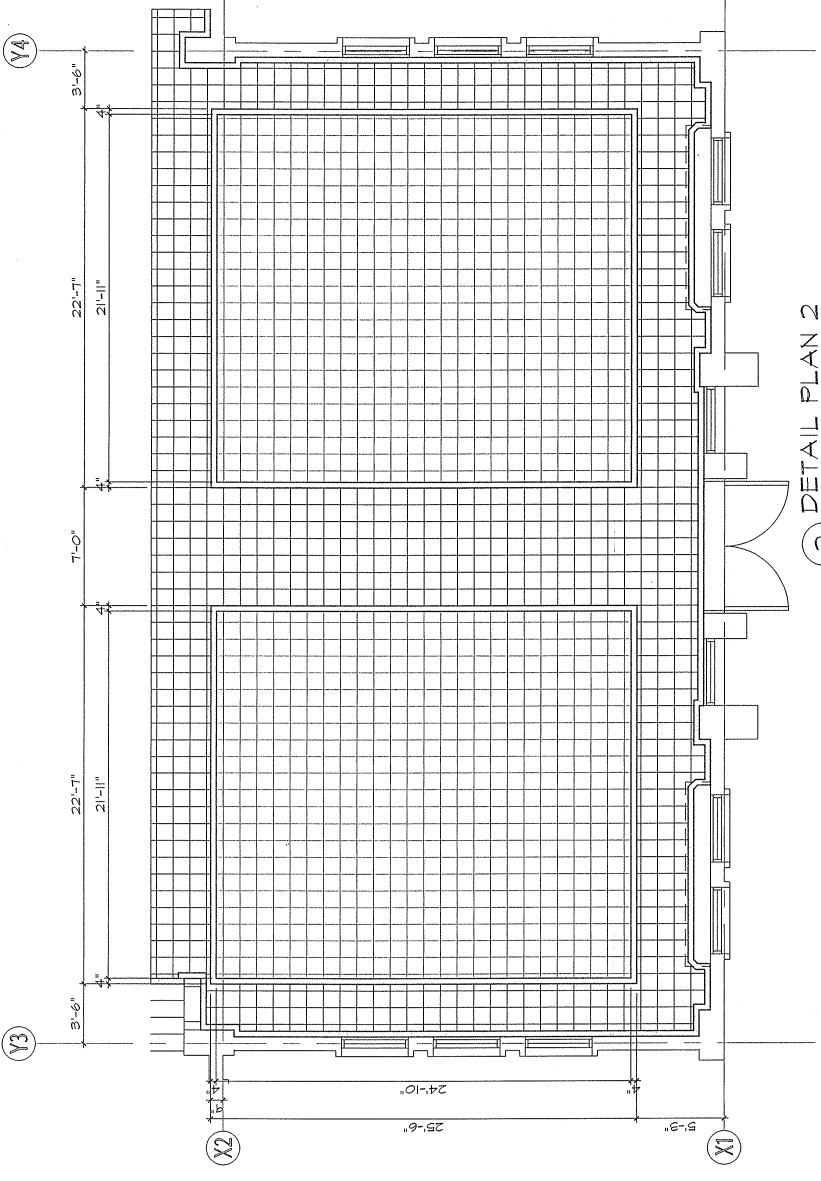
CIVIL:	
STRUCTURAL:	
MECHANICAL:	
ELECTRICAL:	

FLOOR REPLACEMENT FOR  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL - BASILICA  
 AGANA, GUAM

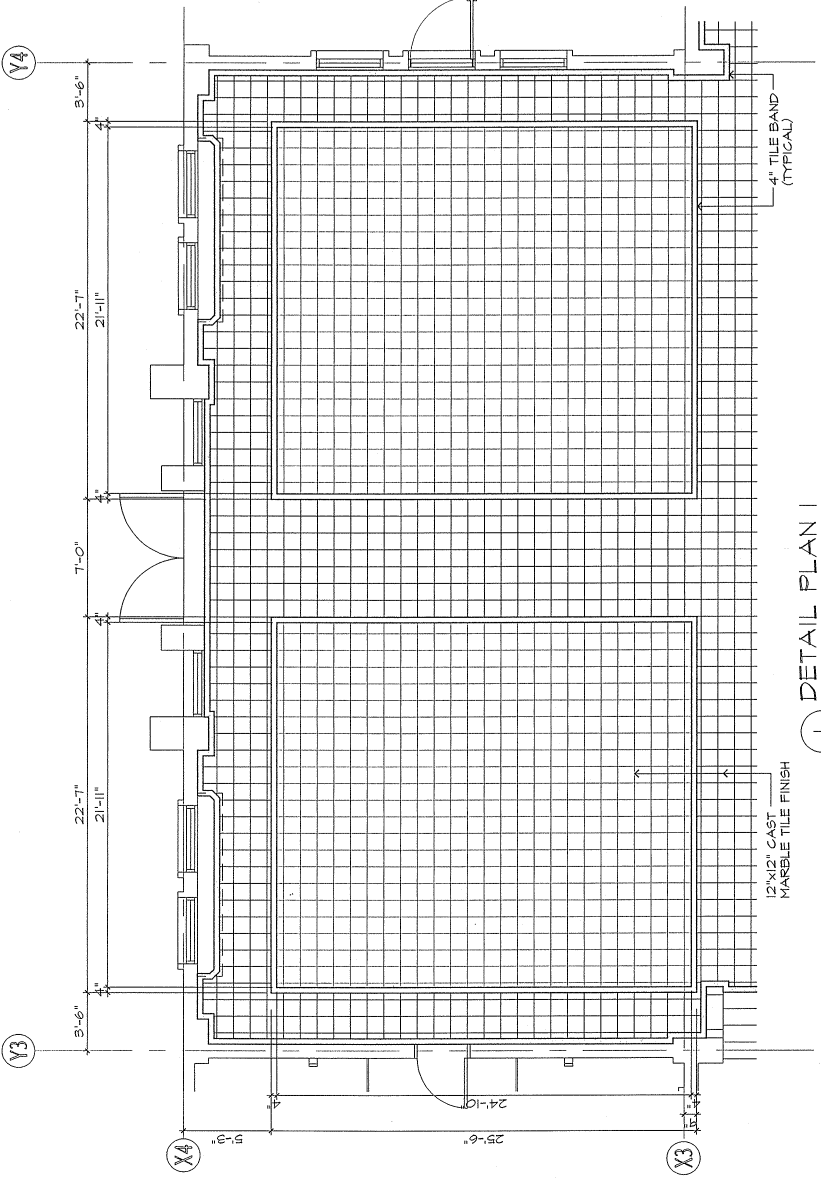


I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF GUAM.  
 JOB NO. 221-03

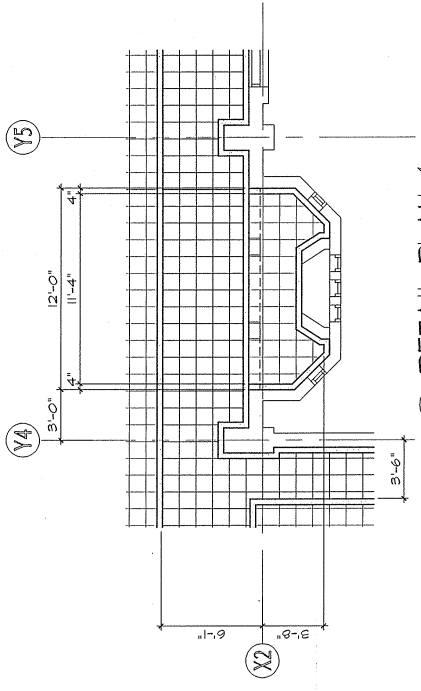
DRAWING TITLE:	DETAIL FLOOR PLANS
DESIGNED BY:	AT
DRAWN BY:	KM
CHECKED BY:	JCA/ATL
SUPERVISED BY:	AT/LEAC
DATE:	MAY 1997
SCALE:	AS SHOWN
PROJECT NO.:	221-03
DATE:	MAY 1997
SHEET NO.:	3



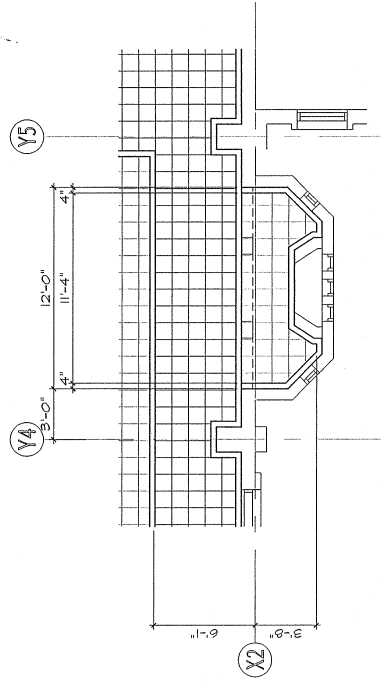
2 DETAIL PLAN 2  
 SCALE: 1/4" = 1'-0"



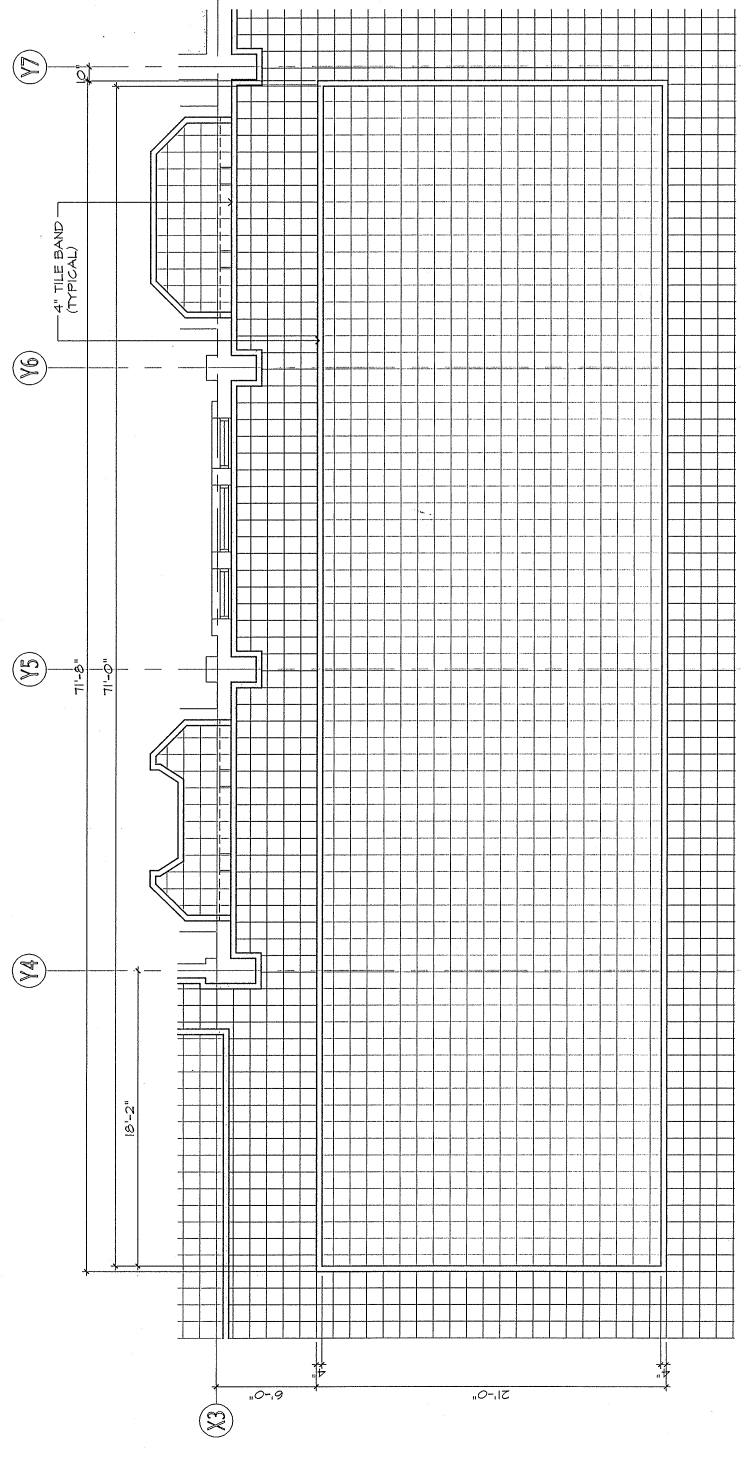
1 DETAIL PLAN 1  
 SCALE: 1/4" = 1'-0"



4 DETAIL PLAN 4  
 SCALE: 1/4" = 1'-0"



5 DETAIL PLAN 5  
 SCALE: 1/4" = 1'-0"



3 DETAIL PLAN 3  
 SCALE: 1/4" = 1'-0"





**MCL**

Manila, Philippines  
 ARCHITECTURE PLANNING INTERIORS  
 Suite 202, Trade-Range Computer  
 Building, Guana, Manila 10011  
 TEL (02) 852-8512 FAX (02) 852-8523  
 e-mail: mcl@net.net

GUAM SAIPAN MANILA

CIVIL:

STRUCTURAL:

MECHANICAL:

ELECTRICAL:

FLOOR REPLACEMENT FOR  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL - BASILICA  
 AGANA, GUAM

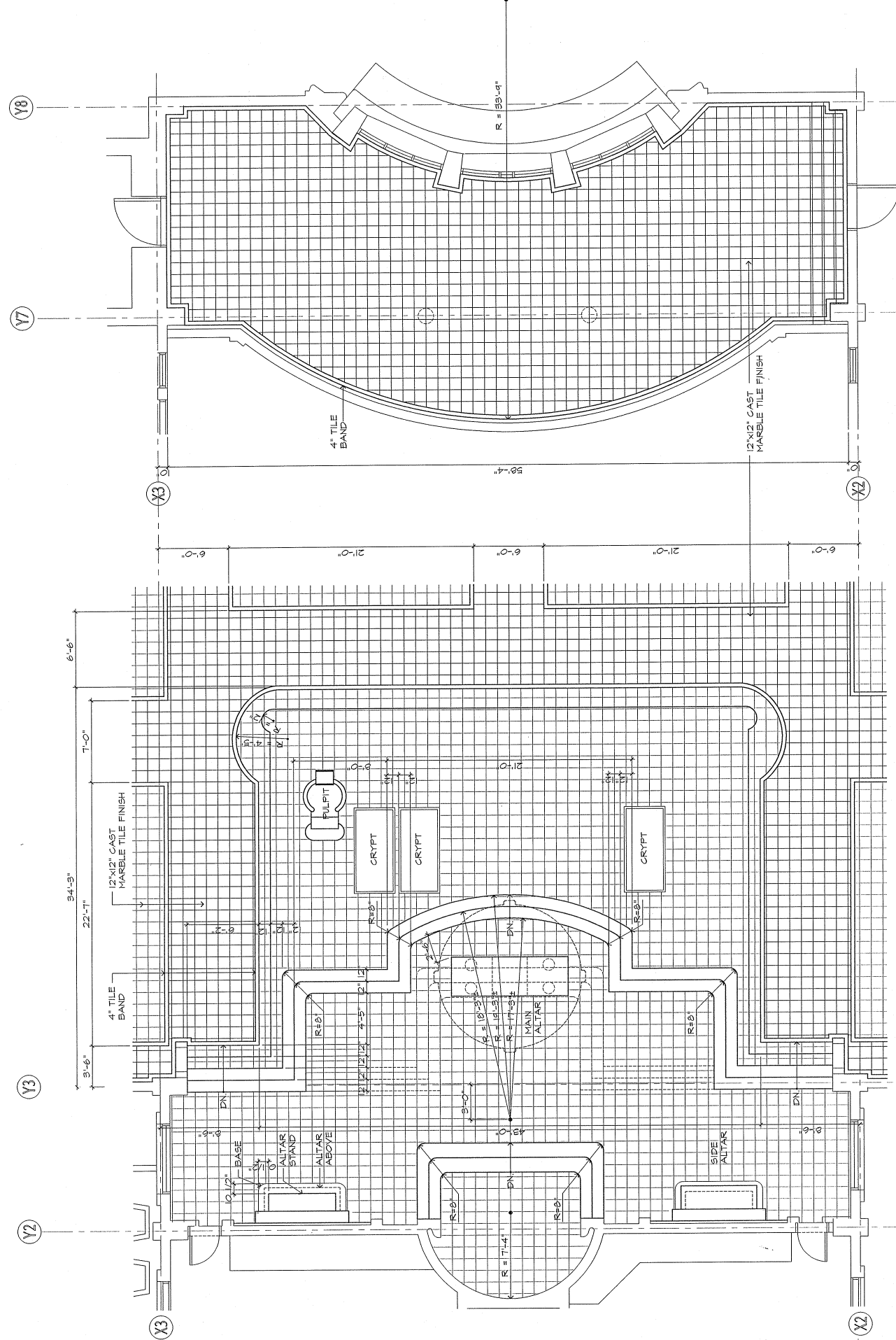


I HEREBY CERTIFY THAT THIS PLAN WAS  
 PREPARED BY ME OR UNDER MY DIRECT  
 SUPERVISION AND THAT I AM A  
 LICENSED PROFESSIONAL ENGINEER  
 IN THE REPUBLIC OF THE MARSHALL ISLANDS  
 NO. 148  
 DATE 10/06/03

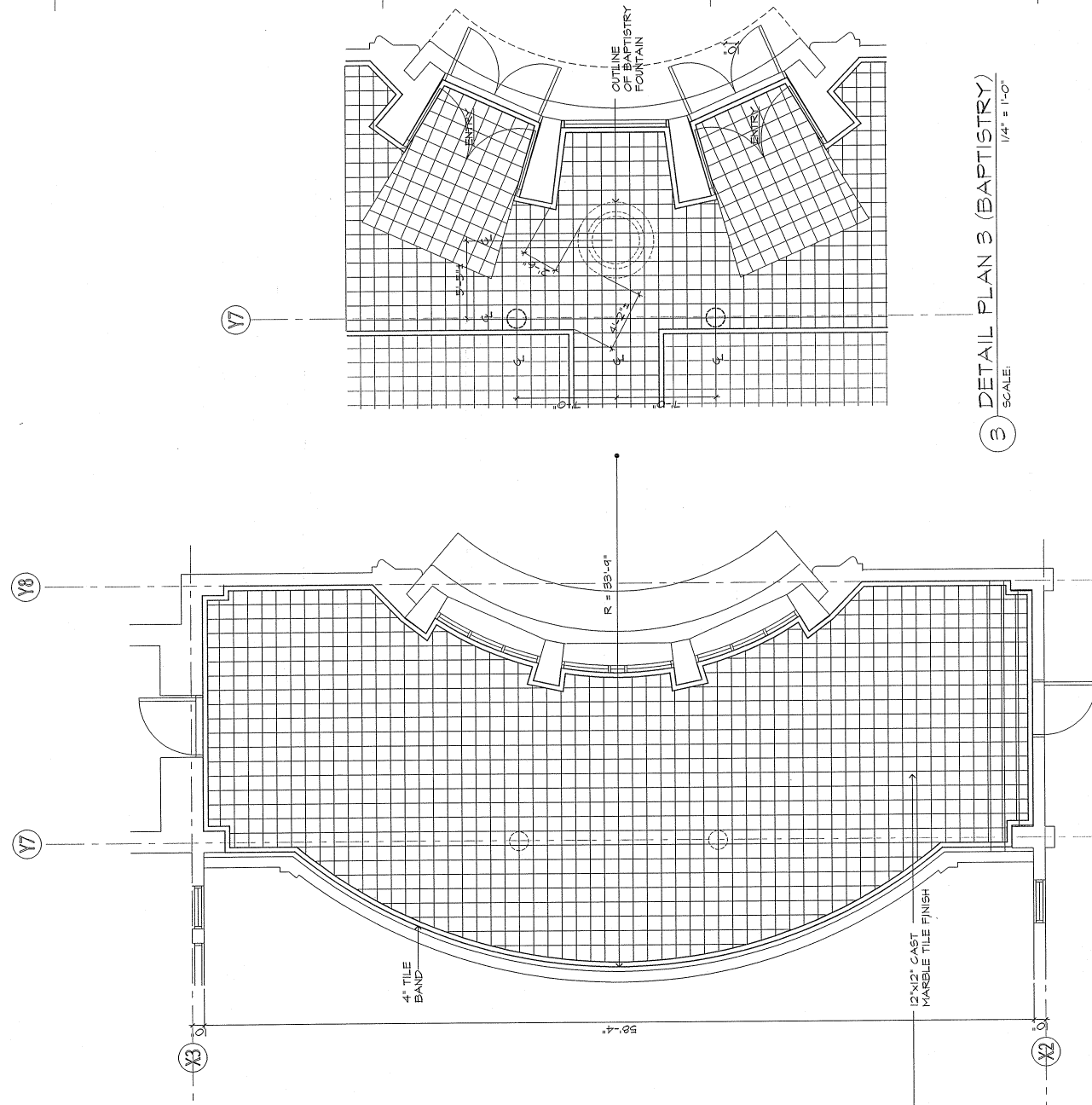
JOB NO. 221-03

DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	ATL/EAC
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	SP3-CATHEDRAL
CATEGORY:	
DATE:	MAY 1997
SCALE:	
CDR REF:	

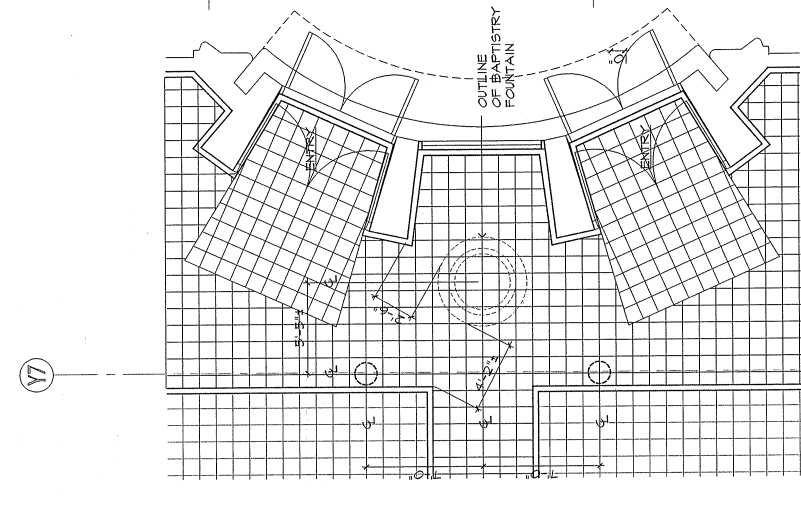
DRAWING TITLE: nitro.pdf professional



1 DETAIL PLAN 1 (SACRISTY)  
 SCALE: 1/4" = 1'-0"



2 DETAIL PLAN 2 (BALCONY)  
 SCALE: 1/4" = 1'-0"



3 DETAIL PLAN 3 (BAPTISTRY)  
 SCALE: 1/4" = 1'-0"





**MCL**

Martin Cristobal Laguna  
ARCHITECTURE PLANNING  
Suite 202, Trade-Royal Complex  
San Juan, P.R. 00906  
Tel: (787) 622-4574 Fax: (787) 622-4525  
GUAM

**CIVIL:**  
**JM. AQUINO, PE**  
Room 20 H2, Winner Building  
P.O. Box 6032  
Tomuning, Guam 96931

**STRUCTURAL:**  
**JM. AQUINO, PE**  
Room 20 H2, Winner Building  
P.O. Box 6032  
Tomuning, Guam 96931

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
P.O. Box 3183  
Agaña, Guam 96910

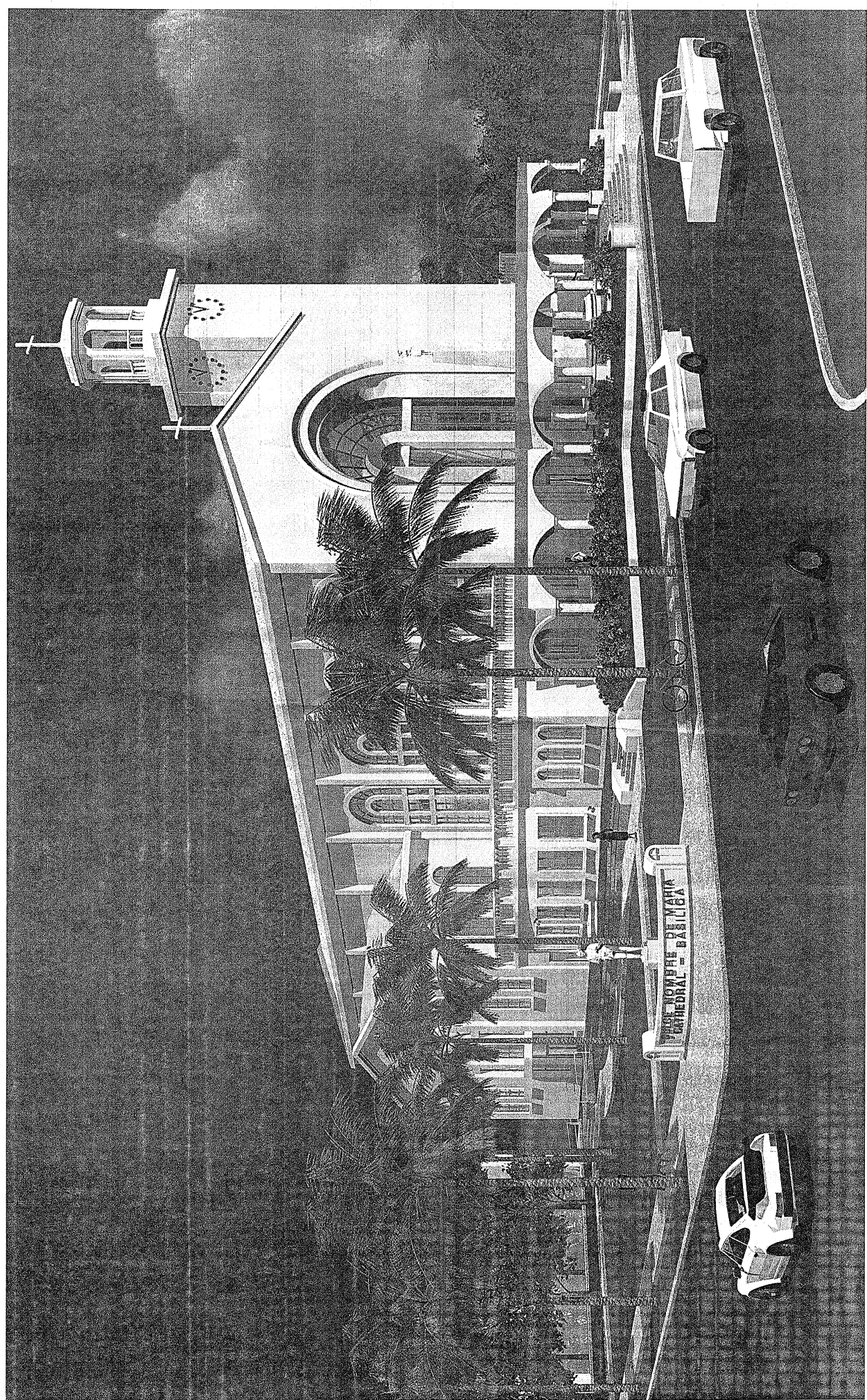
**LANDSCAPE:**  
**BELT COLLINS**  
606C Building, Suite 600-A  
414 W. Soledad Avenue  
Agaña, Guam 96910

DULCE NOMBRE DE MARIA  
IMPROVEMENTS  
PROPOSED PORTICO ADDITION  
CEILING REPLACEMENT  
WINDOW/GLAZING/STORFRONT REPLACEMENT  
FLOOR REPLACEMENT



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.  
JOB NO. 221-00

DRAWING TITLE:	
TITLE SHEET	
PERSPECTIVE	
DRAWINGS	
DESIGNED BY:	ATL
DRAWN BY:	KMUSA
CHECKED BY:	ATLEAC
SUPERVISOR BY:	ATLEAC
DRAWING NO.	SEP-02/2007
CATEGORY	
T	1
DATE	JUNES 07
CP	
GP FILE	



# DULCE NOMBRE DE MARIA - CATHEDRAL BASILICA

## IMPROVEMENTS

PROPOSED PORTICO ADDITION  
CEILING REPLACEMENT  
WINDOW/GLAZING/STORFRONT REPLACEMENT  
FLOOR REPLACEMENT



**CIVIL:**  
JM. AQUINO, PE  
Room 20 H2, Winner Building  
P.O. Box 6052  
Tumoning, Guam 96931

**STRUCTURAL:**  
JM. AQUINO, PE  
Room 20 H2, Winner Building  
P.O. Box 6052  
Tumoning, Guam 96931

**MECHANICAL:**  
LRA & ASSOCIATES  
P.O. Box 9177  
Bedece, Guam 96912

**ELECTRICAL:**  
AS. DELGADO & ASSOCIATES  
P.O. Box 3189  
Agaña, Guam 96910

**LANDSCAPE:**  
BELT COLLINS  
COC Building, Suite 600-A  
414 W. Soledad Avenue  
Agaña, Guam 96910

DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA  
IMPROVEMENTS  
PROPOSED PORTICO ADDITION  
CEILING REPLACEMENT  
WINDOW/GLAZING/STORRONT REPLACEMENT  
FLOOR REPLACEMENT

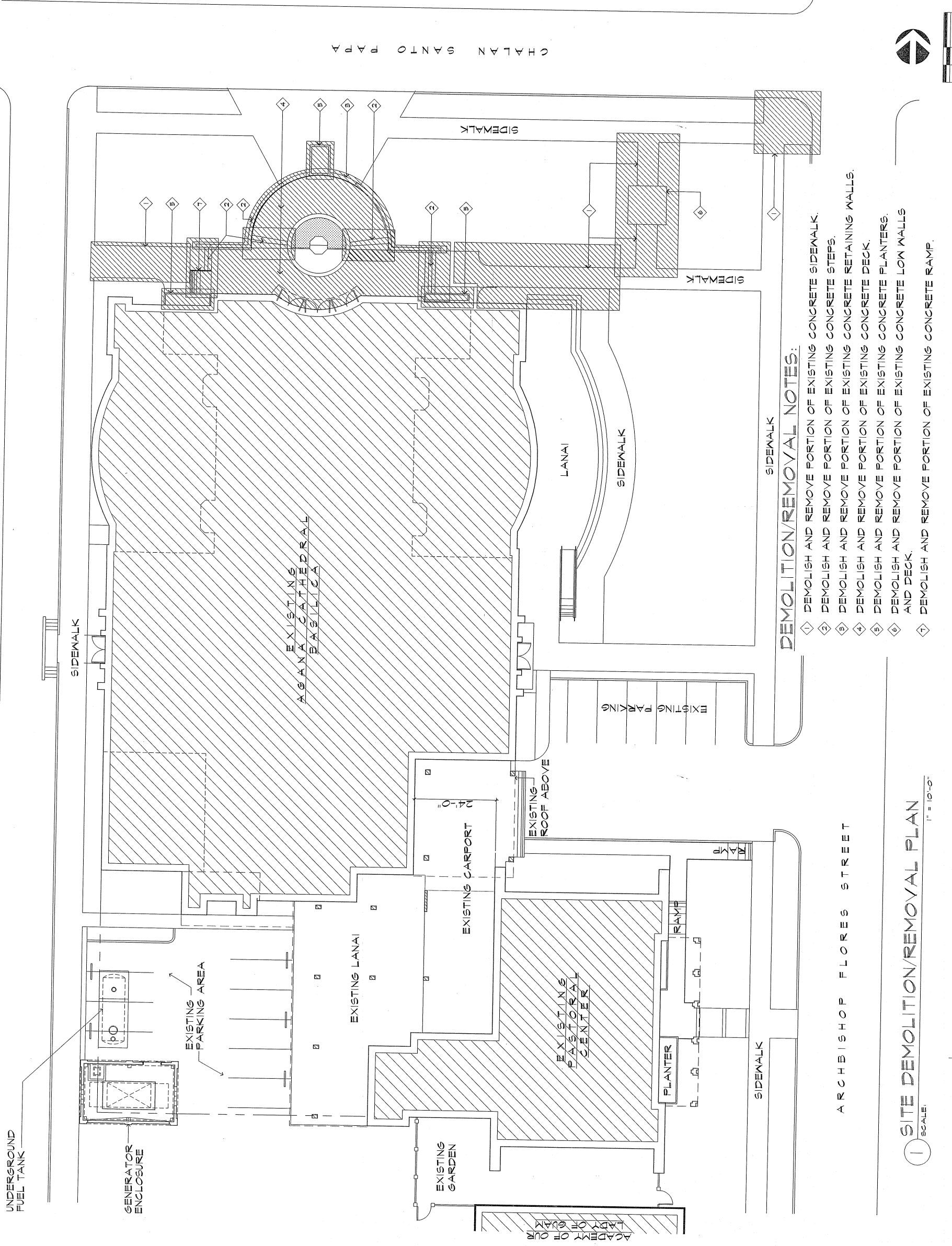
SEAL: PROFESSIONAL ENGINEER, CIVIL ENGINEERING, GUAM, NO. 148 C, EXPIRES 12/31/2024

DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: ATLEAG  
SUPERVISOR BY: ATLEAG  
DRAWING NO. SUB-OUTDOOR  
CATEGORY

JOB NO. 221-00

DRAWING TITLE:  
SITE DEMOLITION/REMOVAL PLAN

DATE: JUNE '21  
SHEET NO. 1



- DEMOLITION/REMOVAL NOTES:**
- ① DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE SIDEWALK.
  - ② DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE STEPS.
  - ③ DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE RETAINING WALLS.
  - ④ DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE DECK.
  - ⑤ DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE PLANTERS.
  - ⑥ DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE LOW WALLS AND DECK.
  - ⑦ DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE RAMP.

1 SITE DEMOLITION/REMOVAL PLAN  
SCALE: 1" = 10'-0"



CHAPLAN SPANIO TAPAY



**MCL**

Martha Cecilia de la Cruz  
ARCHITECTURAL PLANNING  
ARCHITECTURE  
2000, Tula-River Complex  
415 Harmon Loop Road  
Hagatña, Guam 96911  
TEL: (671) 838-4521/2 FAX: (671) 838-4520  
GITAM

**CIVIL:**  
**J.M. AQUINO, PE**  
Room 20 112, Winner Building  
1200, Tula-River Complex  
Tomuning, Guam 96931

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Winner Building  
P.O. Box 6552  
Tomuning, Guam 96931

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 96912  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
P.O. Box 96910  
Dededo, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
CCC Building, Suite 600-A  
1200, Tula-River Complex  
Tomuning, Guam 96910

**DULCE NOMBRE DE MARIA**  
**CATHEDRAL - BASILICA**  
**IMPROVEMENTS**  
**PROPOSED PORTICO ADDITION**  
**CEILING REPLACEMENT**  
**WINDOW/GLAZING/STORFRONT REPLACEMENT**  
**FLOOR REPLACEMENT**



JOB NO. 221-00

DESIGNED BY: ATL

DRAWN BY: KMT

CHECKED BY: AT/EAC

SUPERVISED BY: AT/EAC

DRAWING NO. 221-00-001

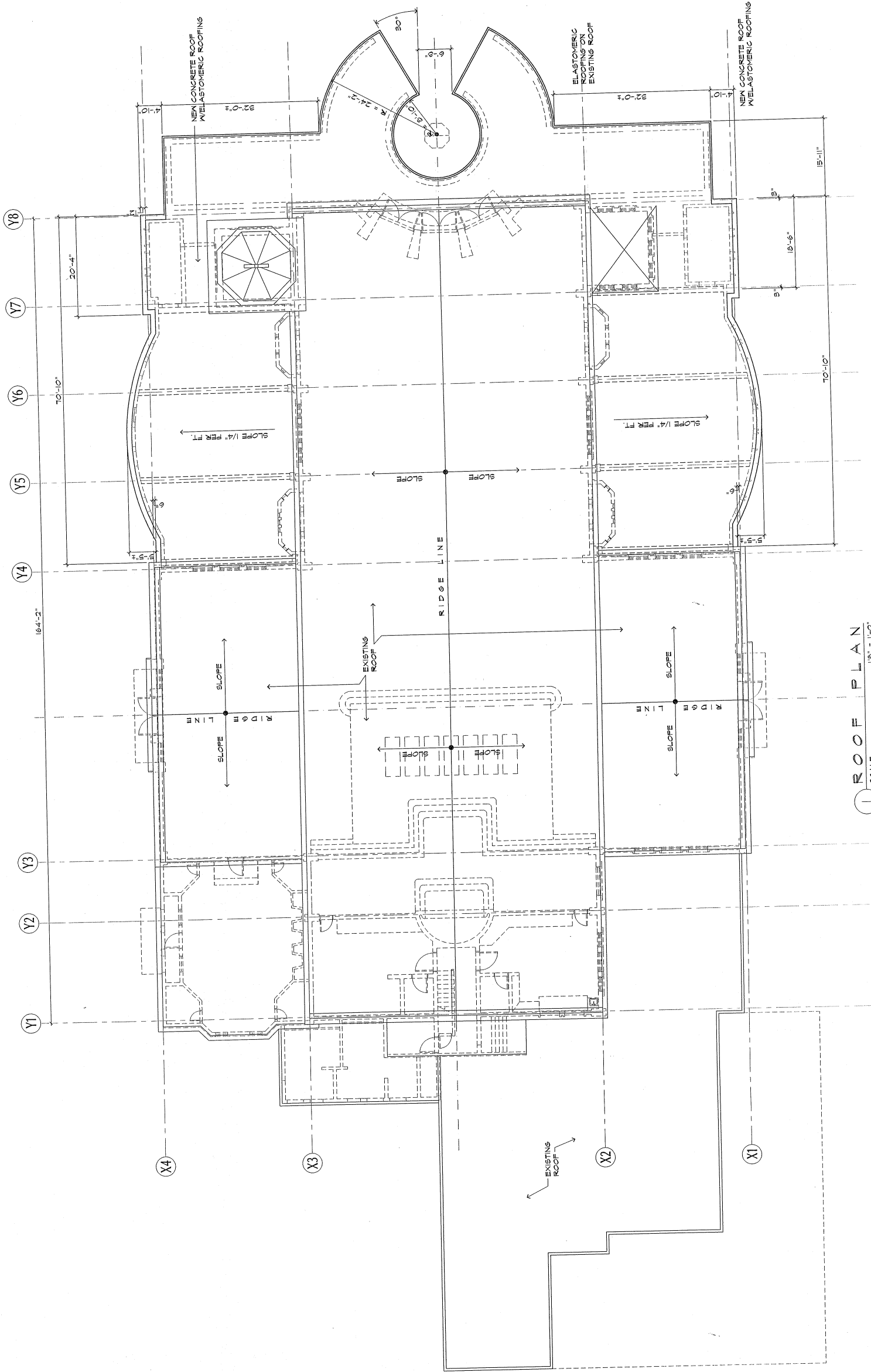
DATE: JUNE 97

SHEET NO. 3

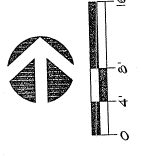
PROJECT: DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA

DRAWING TITLE: ROOF PLAN

SCALE: 1/8" = 1'-0"



1 ROOF PLAN  
SCALE: 1/8" = 1'-0"



**MCL**

Martha Cecilia Lardizábal  
ARCHITECTURE PLANNING INTERIORS  
Suite 103, Tahanan Building  
6th Floor, Tahanan Building  
Bd. del Sur, Cuenca 98911  
TEL (771) 622-6542 FAX (771) 622-6525  
e-mail: mcl@net.net

GUAM SAIPAN MANILA

**CIVIL:**

**JM. AQUINO, PE**  
Room 20 H2, Winner Building  
P.O. Box 6052  
Tamuning, Guam 98931

**STRUCTURAL:**

**JM. AQUINO, PE**  
Room 20 H2, Winner Building  
P.O. Box 6052  
Tamuning, Guam 98931

**MECHANICAL:**

**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 98912

**ELECTRICAL:**

**A.S. DELGADO & ASSOCIATES**  
P.O. Box 3189  
Agaña, Guam 98910

**LANDSCAPE:**

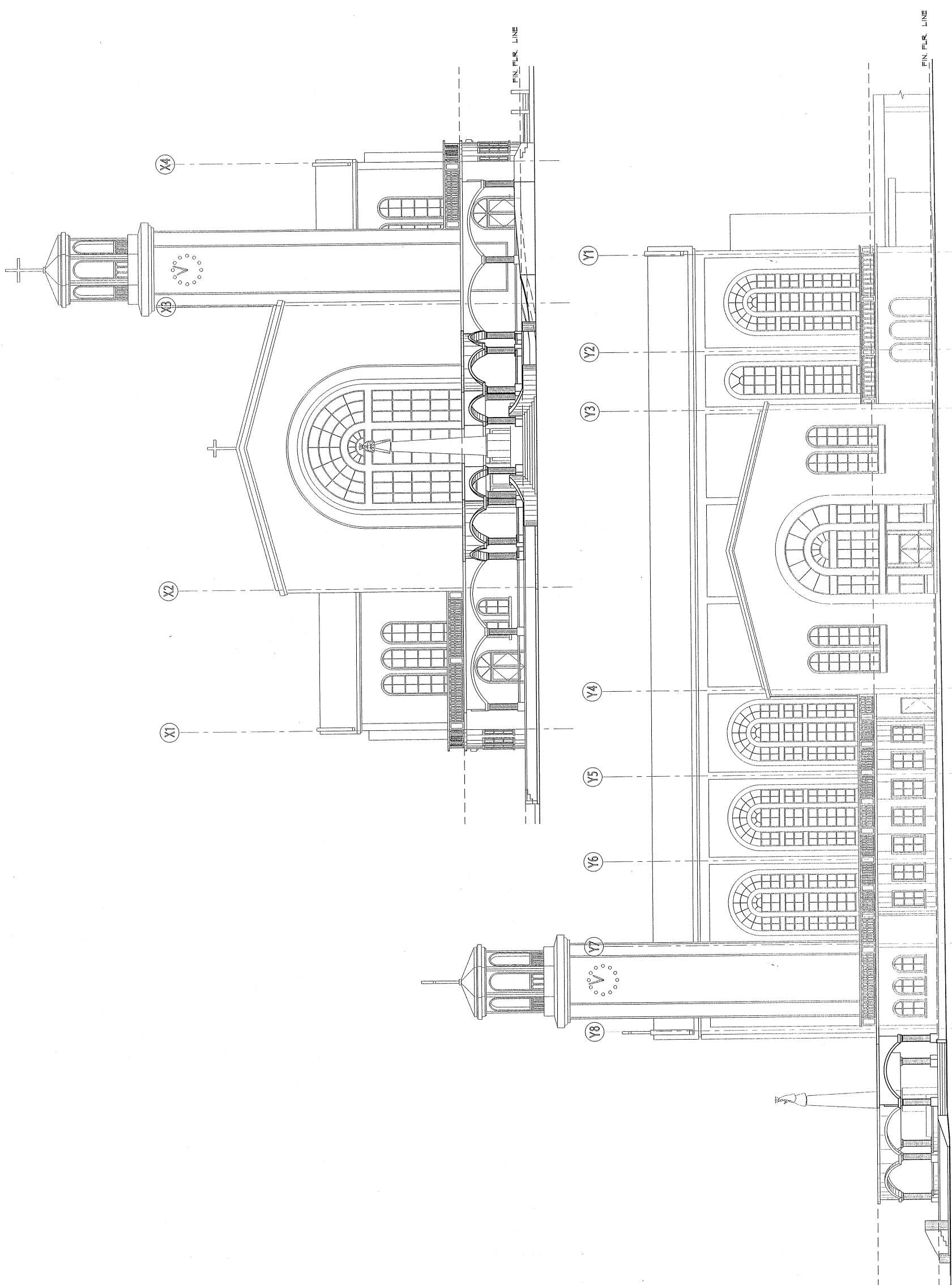
**BELT COLLINS**  
GGC Building, Suite 600-A  
414 W. Soledad Avenue  
Agaña, Guam 98910

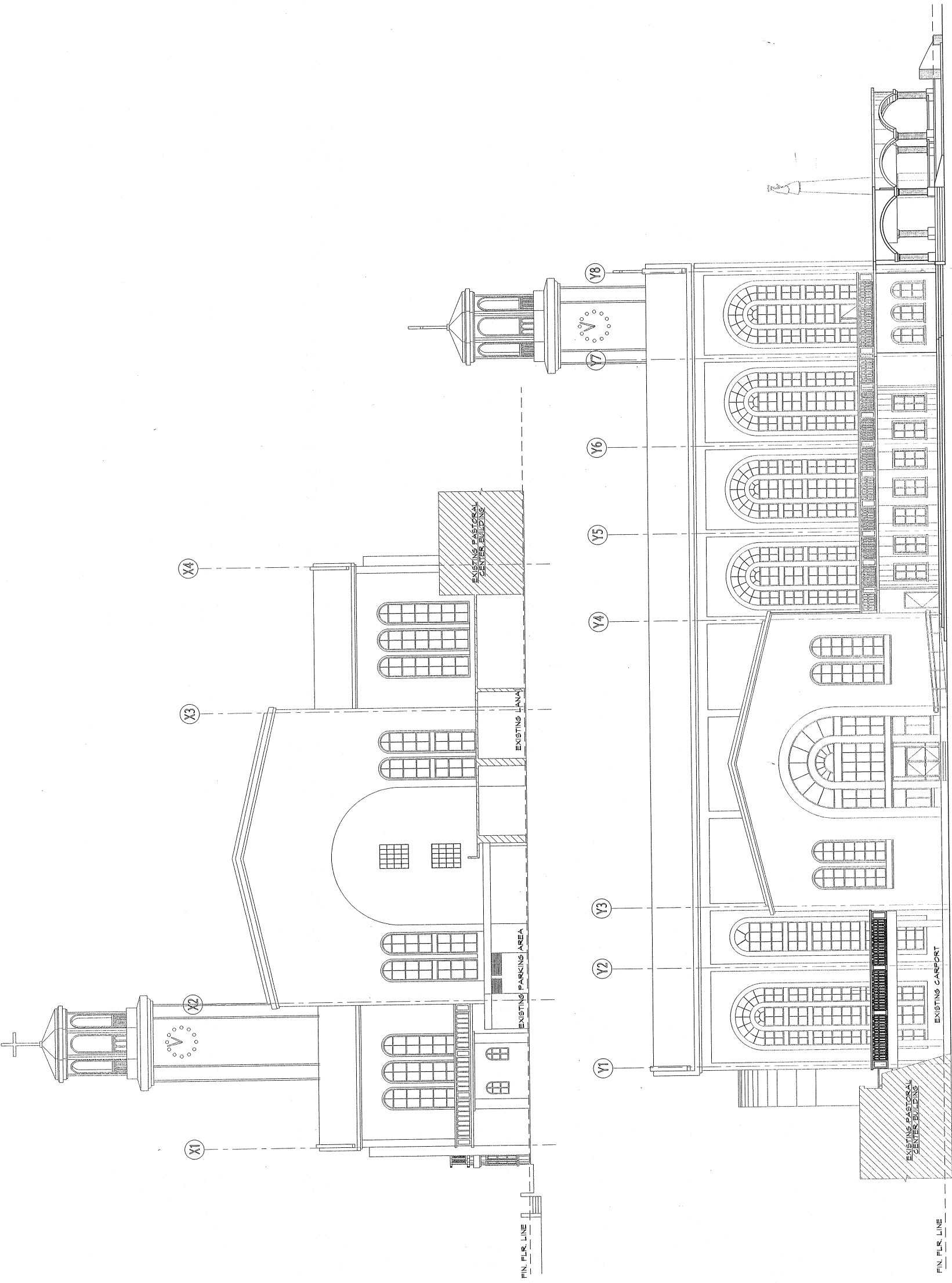
**DULCE NOMBRE DE MARIA**  
**CATHEDRAL - BASILICA**  
**IMPROVEMENTS**  
PROPOSED PORTICO ADDITION  
CEILING REPLACEMENT  
WINDOW/GLAZING/STORERONT REPLACEMENT  
FLOOR REPLACEMENT



I HEREBY CERTIFY THAT THIS PLAN WAS  
PREPARED BY ME OR UNDER MY SUPERVISION  
AND THAT I AM A LICENSED PROFESSIONAL ENGINEER  
IN THE STATE OF GUAM.  
JOB NO. 221-00

nitro PDF professional  
DRAWING TITLE:  
NORTH  
ELEVATIONS  
DESIGNED BY: ATLEAC  
DRAWN BY: KM  
CHECKED BY: ATLEAC  
SUPERVISED BY: ATLEAC  
DRAWING NO. 221-00-000  
CATEGORY: 221-00-000  
A - 4  
PAGE: 47  
DATE: JUNE 97  
JOB FILE: 221-00-000





FIN. FLR. LINE

FIN. FLR. LINE



**CIVIL:**  
**JM. AQUINO, PE**  
Room 20 152, Winner Building  
P.O. Box 5552, Agaña  
Tumon, Guam 96931

**STRUCTURAL:**  
**JM. AQUINO, PE**  
Room 20 152, Winner Building  
P.O. Box 5552, Agaña  
Tumon, Guam 96931

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 6077, 96912  
Dededo, Guam

**ELECTRICAL:**  
**AS. DELGADO & ASSOCIATES**  
P.O. Box 318, 96910  
Agaña, Guam

**LANDSCAPE:**  
**BELT COLLINS**  
CCC Building, Suite 600-A  
1111 Agaña Road, Agaña  
Agaña, Guam 96910

**DULCE NOMBRE DE MARIA**  
**IMPROVEMENTS**  
**PROPOSED PORTICO ADDITION**  
**CEILING REPLACEMENT**  
**WINDOW/GLAZING/STORFRONT REPLACEMENT**  
**FLOOR REPLACEMENT**

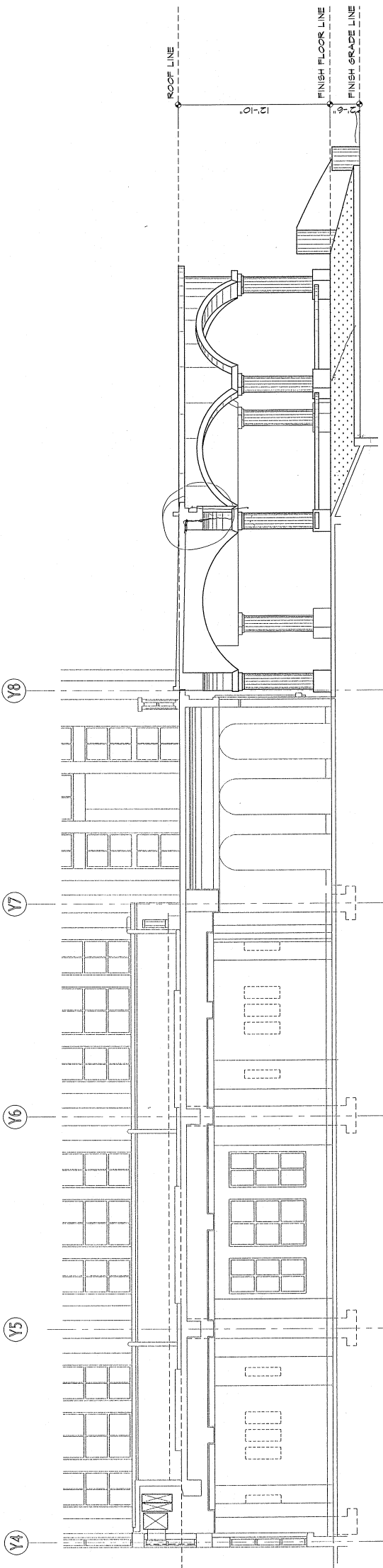
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**DRAWING TITLE:**

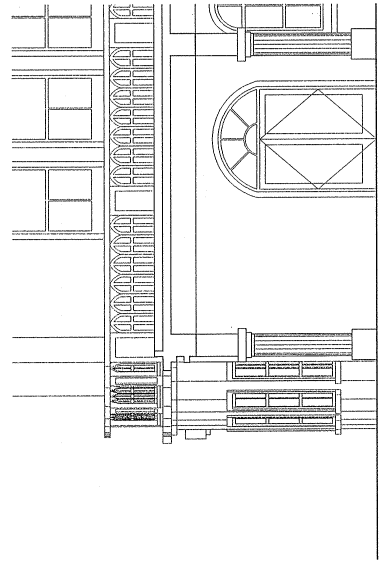
**BUILDING SECTION**

DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: ATL/EAC  
SUPERVISOR BY: ATL/EAC  
DRAWING NO. 221-00-04  
CONTRACT

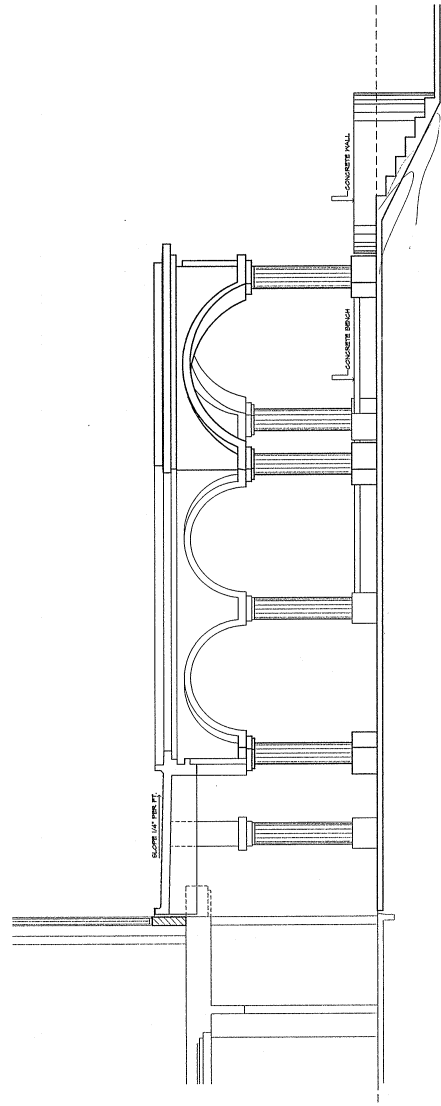
DATE: 11/11/07  
SCALE: 1/4" = 1'-0"



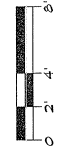
**1** LONGITUDINAL SECTION  
SCALE: 1/4" = 1'-0"



**3** CROSS SECTION  
SCALE: 1/4" = 1'-0"



**2** CROSS SECTION  
SCALE: 1/4" = 1'-0"



**CIVIL:**  
**JM. AQUINO, PE**  
Room 2012, Winner Building  
1000, P.O. Box 1011  
Tomunung, Guam 96931

**STRUCTURAL:**  
**JM. AQUINO, PE**  
1000, P.O. Box 1011, Winner Building  
Tomunung, Guam 96931

**MECHANICAL:**  
**LRA & ASSOCIATES**  
1000, P.O. Box 1011, Winner Building  
Tomunung, Guam 96931

**ELECTRICAL:**  
**AS. DELGADO & ASSOCIATES**  
1000, P.O. Box 1011, Winner Building  
Tomunung, Guam 96931

**LANDSCAPE:**  
**BELT COLLINS**  
621C Building, Suite 600-A  
1000, P.O. Box 1011, Winner Building  
Tomunung, Guam 96931

**PROPOSED PORTICO ADDITION**  
**IMPROVEMENTS**  
**CATHEDRAL - BASILICA**  
**DULCE NOMBRE DE MARIA**

**CEILING REPLACEMENT**  
**FLOOR REPLACEMENT**  
**WINDOW/GLAZING/STORFRONT REPLACEMENT**

REPUBLIC OF GUAM  
DEPARTMENT OF CONSTRUCTION  
NO. 148  
TERRITORY  
OF GUAM

JOB NO. 221-00

DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: ATLEAC  
SUPERVISED BY: ATLEAC  
DRAWING NO. 221-000001  
CATEGORY

DATE: 10/11/11  
BY: JUNE P.T.  
SHEET NO. 7

DETAILS

DATE FILE

DATE FILE

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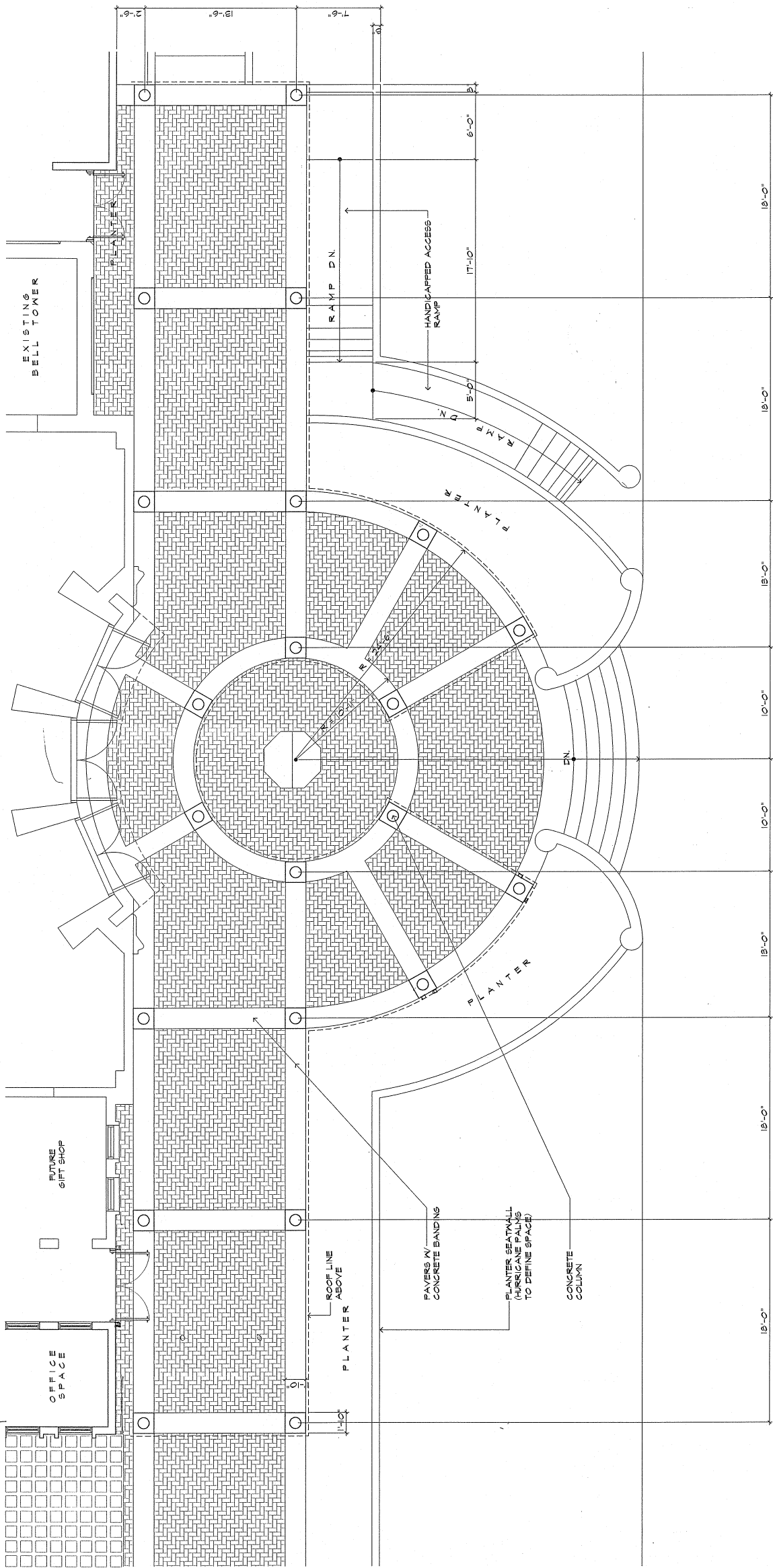
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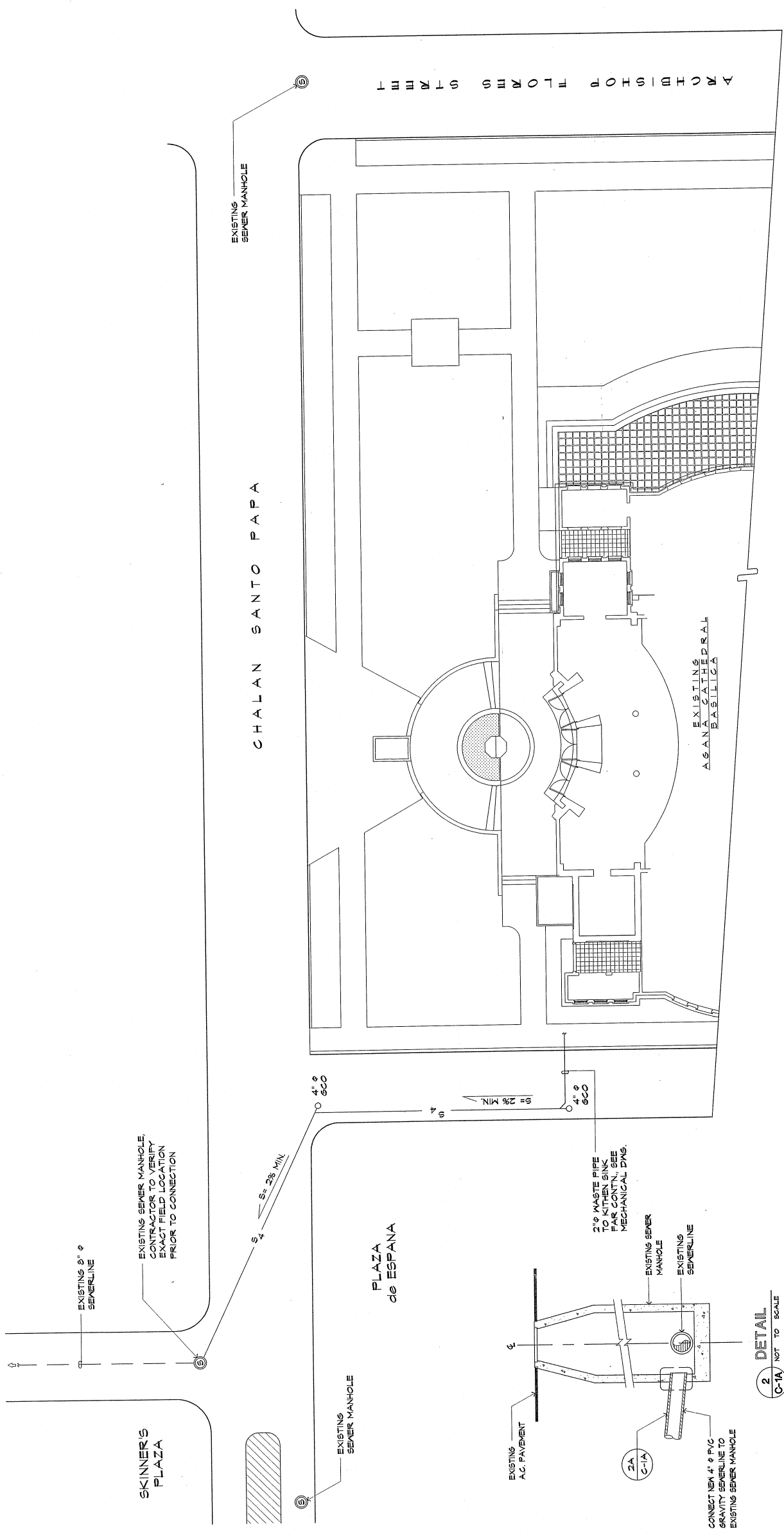
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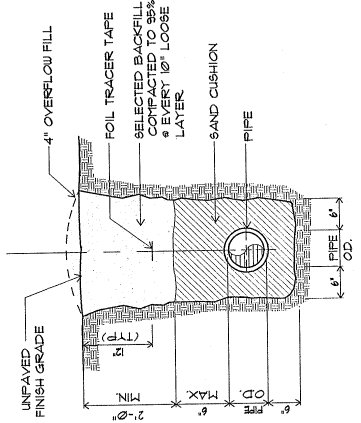
DATE FILE



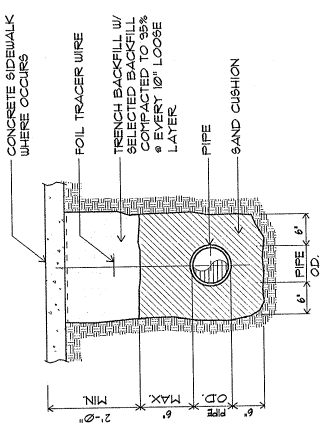
1 DETAILED PLAN - FRONT ENTRANCE  
SCALE: 1/4" = 1'-0"



1 DRAINAGE PLAN  
C-1A SCALE: 1/16"=1'-0"

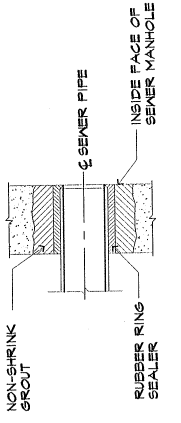


4B SECTION (UNPAVED)  
C-1A NOT TO SCALE

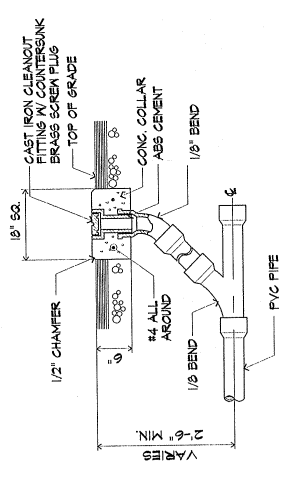


4A SECTION (PAVED)  
C-1A NOT TO SCALE

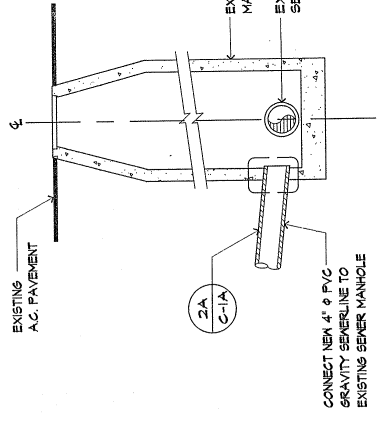
4 TRENCH DETAILS  
C-1A NOT TO SCALE



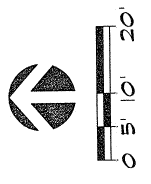
2 DETAIL  
C-1A NOT TO SCALE



3 GROUND CLEAN-OUT DETAIL  
C-1A NOT TO SCALE



2 DETAIL  
C-1A NOT TO SCALE







**CIVIL:**  
**J.M. AQUINO, PE**  
Room 2012, Winner Building  
Tomlinson, Quezon 98931

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Room 2012, Winner Building  
P.O. Box 8052  
Tomlinson, Quezon 98931

**MECHANICAL:**  
**LRA & ASSOCIATES**  
1100, Bldg. 1100  
Duterte, Quezon 98912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
10, Bldg. 10  
Agencia, Quezon 98910

**LANDSCAPE:**  
**BELT COLLINS**  
620 Building, Suite 600-A  
1000, Bldg. 1000  
Agencia, Quezon 98910

**DULCE NOMBRE DE MARIA**  
**CATHEDRAL - BASILICA**  
**IMPROVEMENTS**  
**PROPOSED PORTICO ADDITION**  
**CEILING REPLACEMENT**  
**WINDOW/GLAZING/STAIRPORT REPLACEMENT**  
**FLOOR REPLACEMENT**

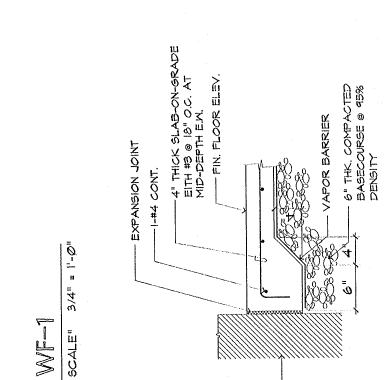
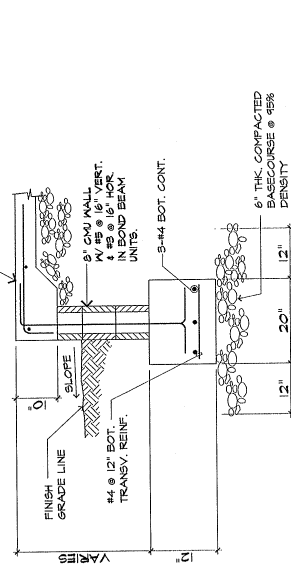
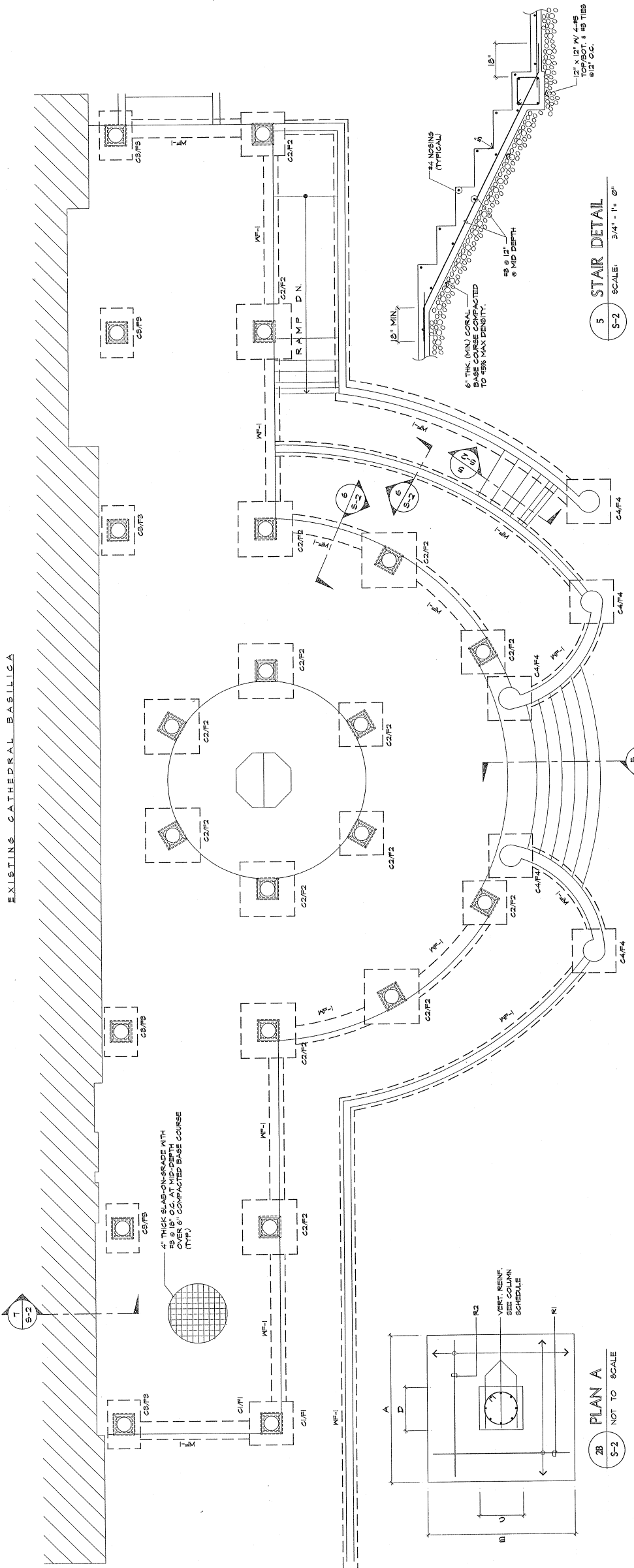


**JOB NO.:** \_\_\_\_\_

**DRAWING TITLE:** \_\_\_\_\_

**DESIGNED BY:** JMA  
**DRAWN BY:** JCC  
**CHECKED BY:** JJA  
**APPROVED BY:** JMA

**DATE:** \_\_\_\_\_

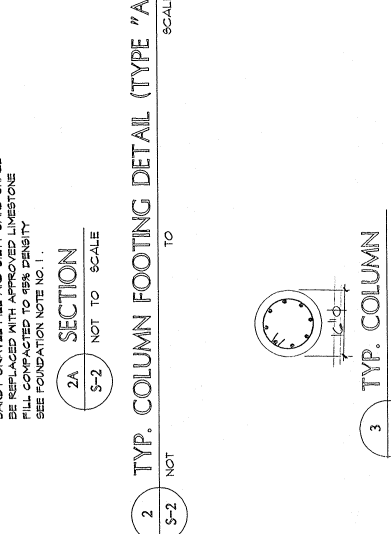
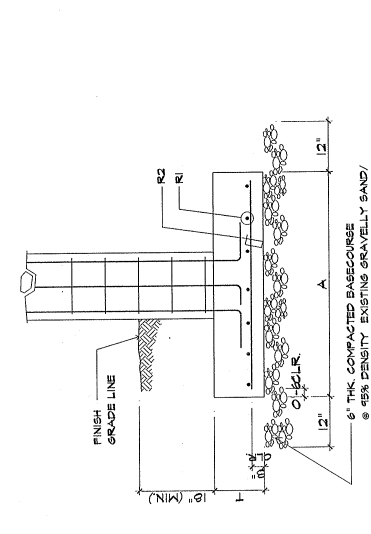
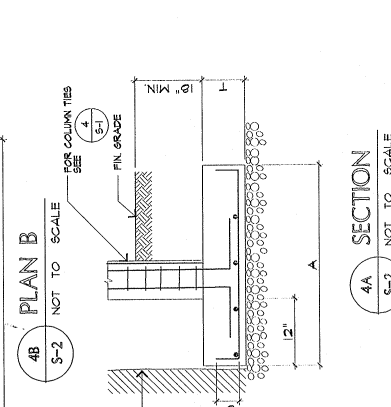
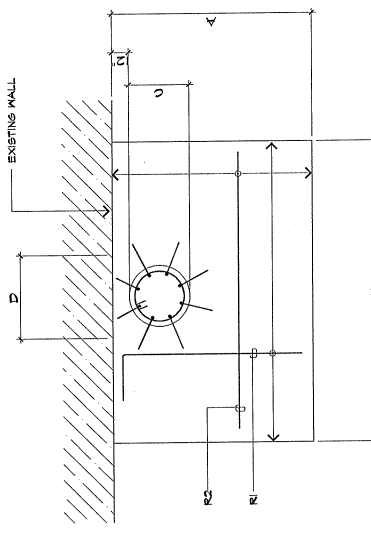


**COLUMN FOOTING SCHEDULE**

MARK	SIZE (FT)			REINFORCEMENT			REMARKS
	A	B	T (IN)	R1	R2	COL	
F-1	4'-0"	4'-0"	14"	8-#5 BOT.	8-#5 BOT.	C1	SEE TYPE 'A' (S-2)
F-2	5'-0"	5'-0"	14"	11-#5 BOT.	11-#5 BOT.	C2	SEE TYPE 'A' (S-2)
F-3	9'-0"	4'-6"	12"	6-#5 BOT.	10-#5 BOT.	C3	SEE TYPE 'B' (S-2)

**CONCRETE COLUMN SCHEDULE**

MARK	SIZE (IN)		VERTICAL REINFORCEMENT	REMARKS
	C	D		
C1	16"	16"	8-#7	SEE (S-2)
C2	16"	16"	8-#7	SEE (S-2)
C3	16"	16"	8-#7	SEE (S-2)



**3 TYP. COLUMN**  
SCALE: 3/4" - 1" @

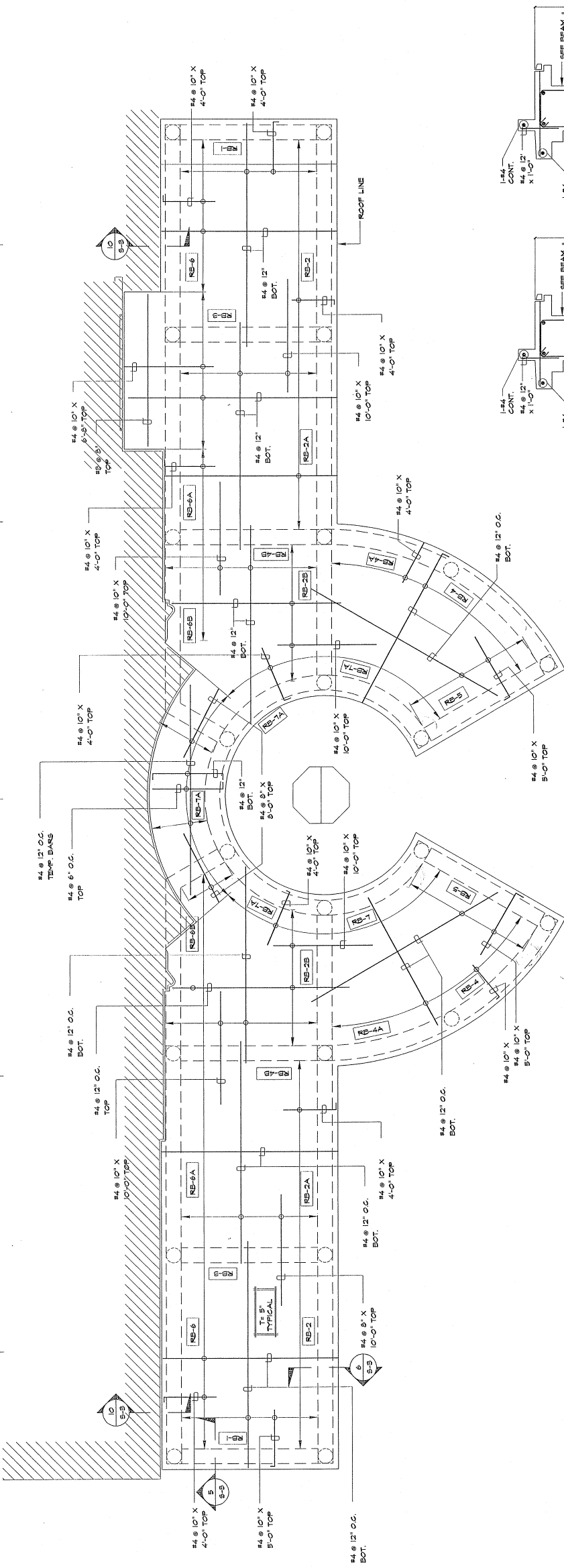
**2 TYP. COLUMN FOOTING DETAIL (TYPE 'A')**  
SCALE: \_\_\_\_\_

**4 TYP. COLUMN DETAIL (TYPE 'B')**  
SCALE: \_\_\_\_\_

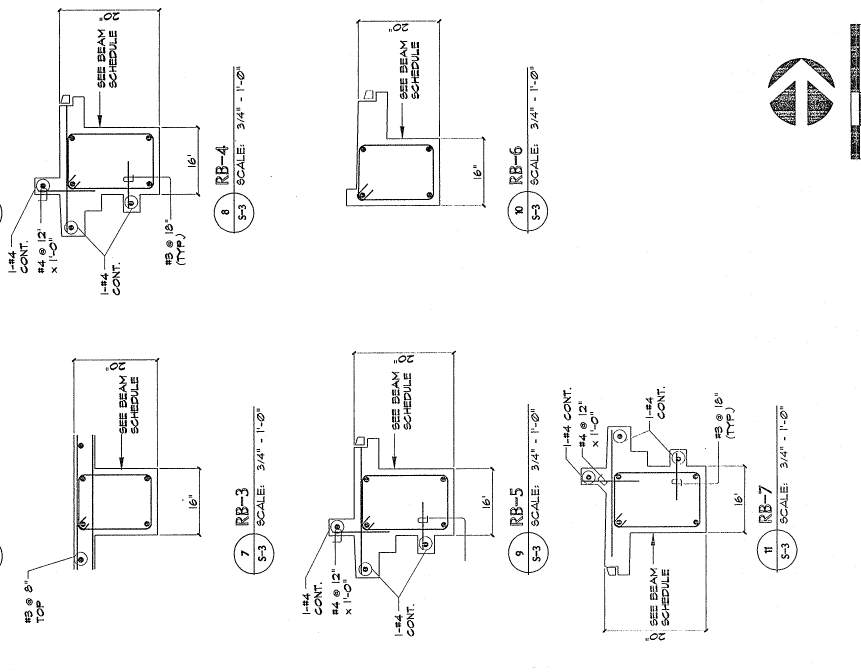
**7 SECTION**  
SCALE: 3/4" - 1" @

**6 WF-1**  
SCALE: 3/4" - 1" @

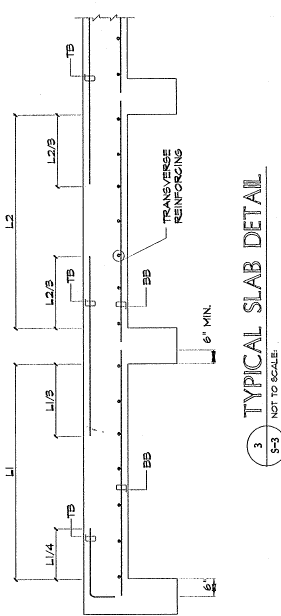
**5 STAR DETAIL**  
SCALE: 3/4" - 1" @



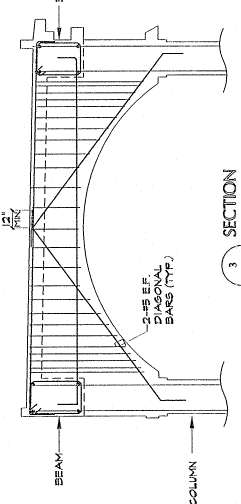
**1 ROOF FRAMING PLAN**  
 1/4" = 1'-0"  
 S-3



**2 TYPICAL BEAM ELEVATION / SECTION**  
 NOT TO SCALE  
 S-3

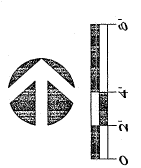


**3 TYPICAL SLAB DETAIL**  
 NOT TO SCALE  
 S-3



**3 SECTION**  
 NOT TO SCALE  
 S-3

MARK	SECTION	REINFORCEMENT	STIRRUPS		ELEVATION	REMARKS
			L TO R	R TO L		
RB-1	20 16	FACE OF SUPPORT 2-#4 @ MID-DEPTH 3-#1 TOP 3-#1 BOT. 2-#1	5-#12" @ 6" BAL. 6 @	5-#12" @ 6" BAL. 6 @	2 S-3	
RB-2	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.	5-#12" @ 6" BAL. 6 @	5-#12" @ 6" BAL. 6 @		
RB-2A	20 16	2-#1 TOP 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-2B	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-3	20 16	2-#4 @ MID-DEPTH 3-#1 TOP 3-#1 BOT. 2-#1				
RB-4	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-4A	20 16	3-#1 TOP 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-6	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-5	20 16	2-#4 @ MID-DEPTH 3-#1 TOP 3-#1 TOP 2-#1 BOT.				
RB-6	20 16	2-#1 TOP 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-6A	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-6B	20 16	3-#1 TOP MID-DEPTH 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-7	20 16	3-#1 TOP 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				
RB-7A	20 16	2-#1 TOP 3-#1 TOP 2-#1 BOT. 3-#1 BOT.				





CIVIL:

STRUCTURAL:

MECHANICAL:

LRA & ASSOCIATES  
1000 Agaña, Agaña, Guam 96912

ELECTRICAL:

AS. DELGADO &  
ASSOCIATES  
P.O. Box 3109  
Agaña, Guam 96910

LANDSCAPE:

CEILING REPLACEMENT FOR  
DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA  
AGAÑA, GUAM



1. RECORD DRAWING. THIS DRAWING PLAN WAS  
PREPARED BY THE ARCHITECTURE FIRM  
ON BEHALF OF THE CLIENT.

JOB NO. 221-03

DATE: 11/14/94

SCALE: AS SHOWN

PROJECT: DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA

DESIGNED BY: ATL

DRAWN BY: KM

CHECKED BY: ATL/EAC

SUPERVISED BY: ATL/EAC

DATE: 11/14/94

PROJECT: DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA

DESIGNED BY: ATL

DRAWN BY: KM

CHECKED BY: ATL/EAC

SUPERVISED BY: ATL/EAC

DATE: 11/14/94

PROJECT: DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA

DESIGNED BY: ATL

DRAWN BY: KM

CHECKED BY: ATL/EAC

SUPERVISED BY: ATL/EAC

DATE: 11/14/94

PROJECT: DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA

DESIGNED BY: ATL

DRAWN BY: KM

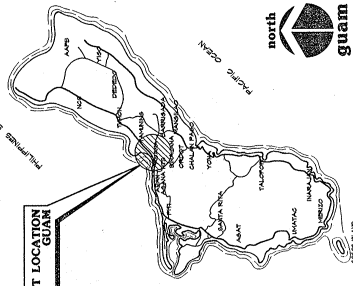
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SUPERVISED BY: ATL/EAC

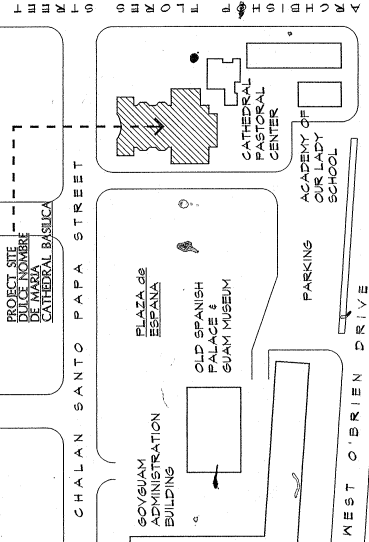
DATE: 11/14/94

# CEILING REPLACEMENT FOR DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA AGAÑA, GUAM

## PROJECT LOCATION



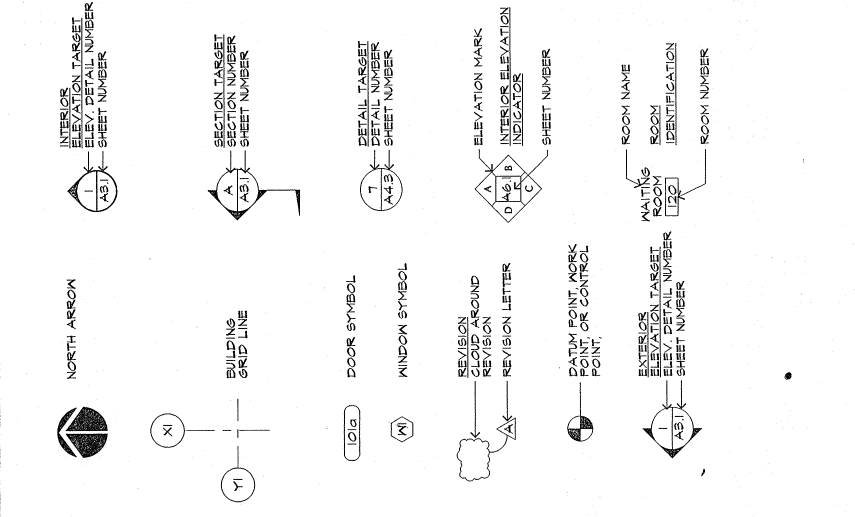
## VICINITY MAP



## INDEX OF DRAWINGS

DWG NO.	DESCRIPTION	DWG NO.	DESCRIPTION
T-11	GENERAL COVER SHEET, PROJECT TITLE, LOCATION AND VICINITY MAPS, INDEX OF DRAWINGS, ARCHITECTURAL SYMBOLS, AND GENERAL NOTES	M-10	MECHANICAL AIR CONDITIONING REMOVAL PLAN; SCOPE OF WORK, REMOVAL NOTES, EQUIPMENT SCHEDULE, GENERAL NOTES, LEGEND, ELEMENTARY CONTROL DIAGRAMS
A-1	ARCHITECTURAL EXISTING REFLECTED CEILING PLAN (DEMOLITION & REMOVAL NOTES)	M-20	AIR CONDITIONING PLANS; SECTIONS
A-2	NEW REFLECTED CEILING PLAN	M-21	VENTILATION PLAN
A-3	BUILDING SECTIONS; INTERIOR ELEVATION	M-22	SECTIONS AND MISCELLANEOUS DETAILS
A-4	CEILING DETAIL PLANS AND SECTIONS	E-1	ELECTRICAL ELECTRICAL GENERAL NOTES; SYMBOLS; ABBREVIATIONS
		E-2	ELECTRICAL SITE LAYOUT
		E-3	POWER ONE LINE DIAGRAM; AUXILIARY BLOCK DIAGRAM
		E-4	LIGHTING LAYOUT PLAN
		E-5	POWER LAYOUT PLAN
		E-6	AUDIO/VIDEO LAYOUT PLAN
		E-7	CONTROL SCHEDULES, LOAD SCHEDULE
		E-8	CONFERENCE/MUSEUM LIGHTING LAYOUT
		E-9	LIGHTING FIXTURE SCHEDULE MISCELLANEOUS DETAILS

## ARCHITECTURAL SYMBOLS



## GENERAL NOTES

- I. CODE INFORMATION
  - A. LISTED BELOW ARE THE CODES USED IN THE DESIGN OF THIS PROJECT.
    1. UNIFORM BUILDING CODE 1994 ED.
    2. UNIFORM MECHANICAL CODE 1994 ED.
    3. UNIFORM ELECTRICAL CODE 1994 ED.
    4. UNIFORM SAFETY CODE 1994 ED.
    5. ADA HANDBOOK
- B. TYPE OF CONSTRUCTION: TYPE II - FIRE RESISTANT
- C. OCCUPANCY CLASSIFICATION: A-1
- II. DIMENSION SYSTEM
  - A. DIMENSIONS, UNLESS NOTED OTHERWISE, ARE GIVEN TO:
    1. GRID LINE
    2. WALL FINISH
    3. FACE OF CONCRETE OR MASONRY
    4. FACE OF PARTITION
  - B. ALL DIMENSIONS ARE IN FEET AND INCHES.
  - C. TO MAINTAIN PROPER ALIGNMENT OF FINISH FACE OF ADJACENT WALLS, DIMENSIONS ARE SHOWN IN ORDER OF THE FOLLOWING PRIORITY:
    1. ARCHITECTURAL DRAWINGS
    2. STRUCTURAL DRAWINGS
  - D. AT DOOR JAMBES, WALLS PERPENDICULAR TO DOOR OPENINGS ARE POSITIONED BY THE DIMENSION ON THE DETAIL, UNLESS OTHERWISE LOCATED BY DIMENSION ON DETAIL.
  - E. ALL DOOR AND WINDOW OPENINGS SHALL BE BASED ON SCHEDULED DOOR/WINDOW SIZE AND SPECIFIC DETAILS.
  - F. USE APPROPRIATE DIMENSION POINTS ESTABLISHED ON DETAILS WHEN NECESSARY.
- III. MISCELLANEOUS
  - A. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.
  - B. DRAWING PLANS SHOWN WERE BASED ON AVAILABLE AS-BUILT DRAWINGS. IF ACTUAL FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN, CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS WITHOUT ADDITIONAL COST TO THE OWNER.

CIVIL:

STRUCTURAL:

MECHANICAL:  
**LRA & ASSOCIATES**  
P.O. Box 9177 96812  
Dededo, Guam

ELECTRICAL:  
**AS. DELGADO &  
P. O. RUIZ**  
P.O. Box 3189  
Agaña, Guam 96910  
LANDSCAPE:

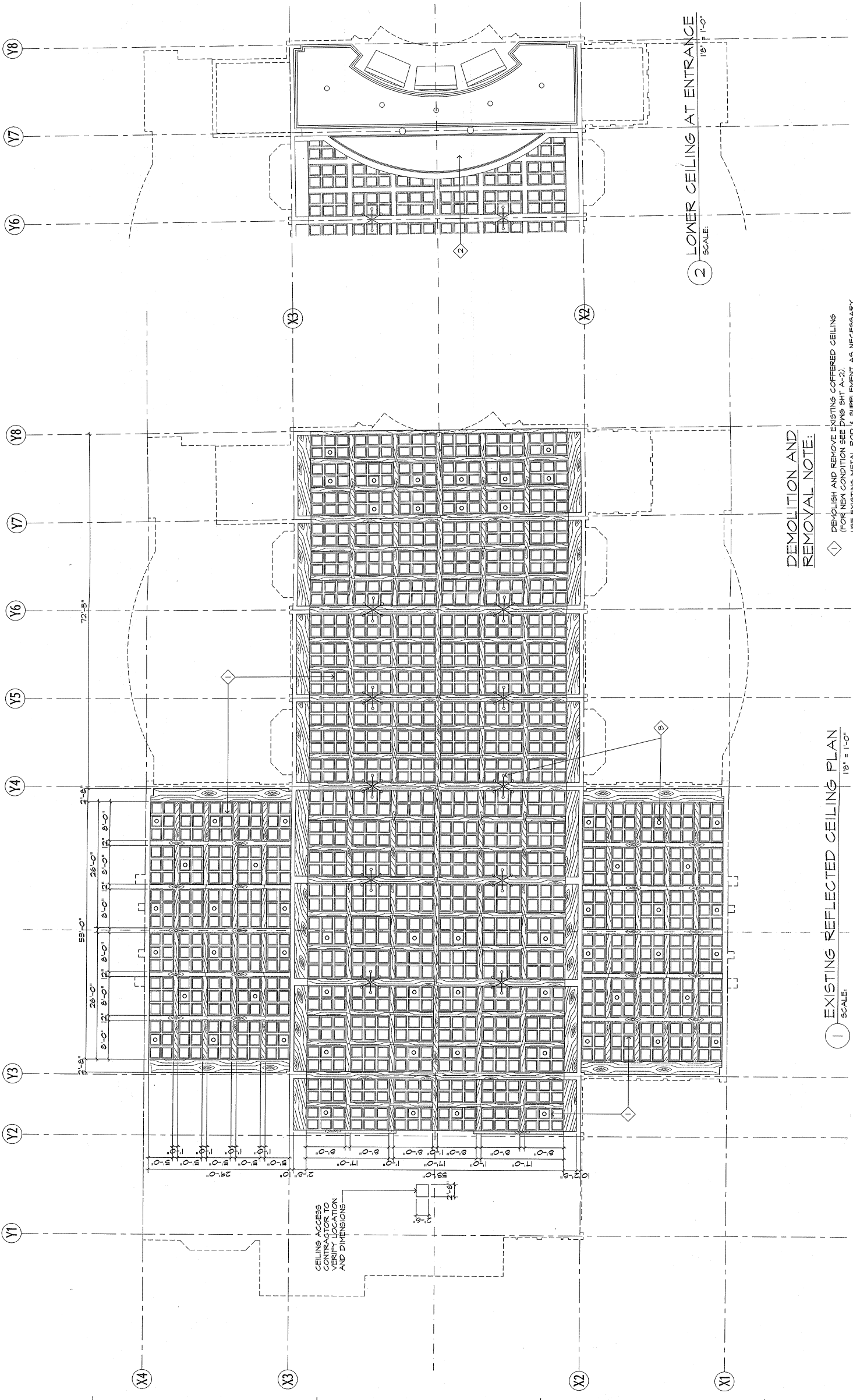
CEILING REPLACEMENT FOR  
DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA  
AGANA, GUAM



JOB NO. 22-05

DRAWING TITLE:  
**EXISTING REFLECTED CEILING PLAN**

DESIGNED BY: AT  
DRAWN BY: KM  
CHECKED BY: AT/LEAC  
SUPERVISOR BY: AT/LEAC  
DRAWING NO. 22-05-001  
DATE: MAY 1997  
SCALE: 1/8" = 1'-0"

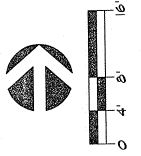


**DEMOLITION AND  
REMOVAL NOTE:**

- ① DEMOLISH AND REMOVE EXISTING COVERED CEILING (FOR NEW CONDITION SEE DWG SHIT A-2). USE EXISTING METAL ROD & SUPPLEMENT AS NECESSARY. VERIFY CONDITION OF SUPPORT & REPAIR OR REPLACE AS NECESSARY.
- ② EXISTING CEILING TO REMAIN.
- ③ EXISTING LIGHT FIXTURES. FOR DISPOSITION SEE ELECTRICAL DRAWINGS.

① EXISTING REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

② LOWER CEILING AT ENTRANCE  
SCALE: 1/8" = 1'-0"





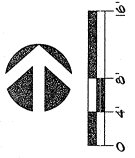
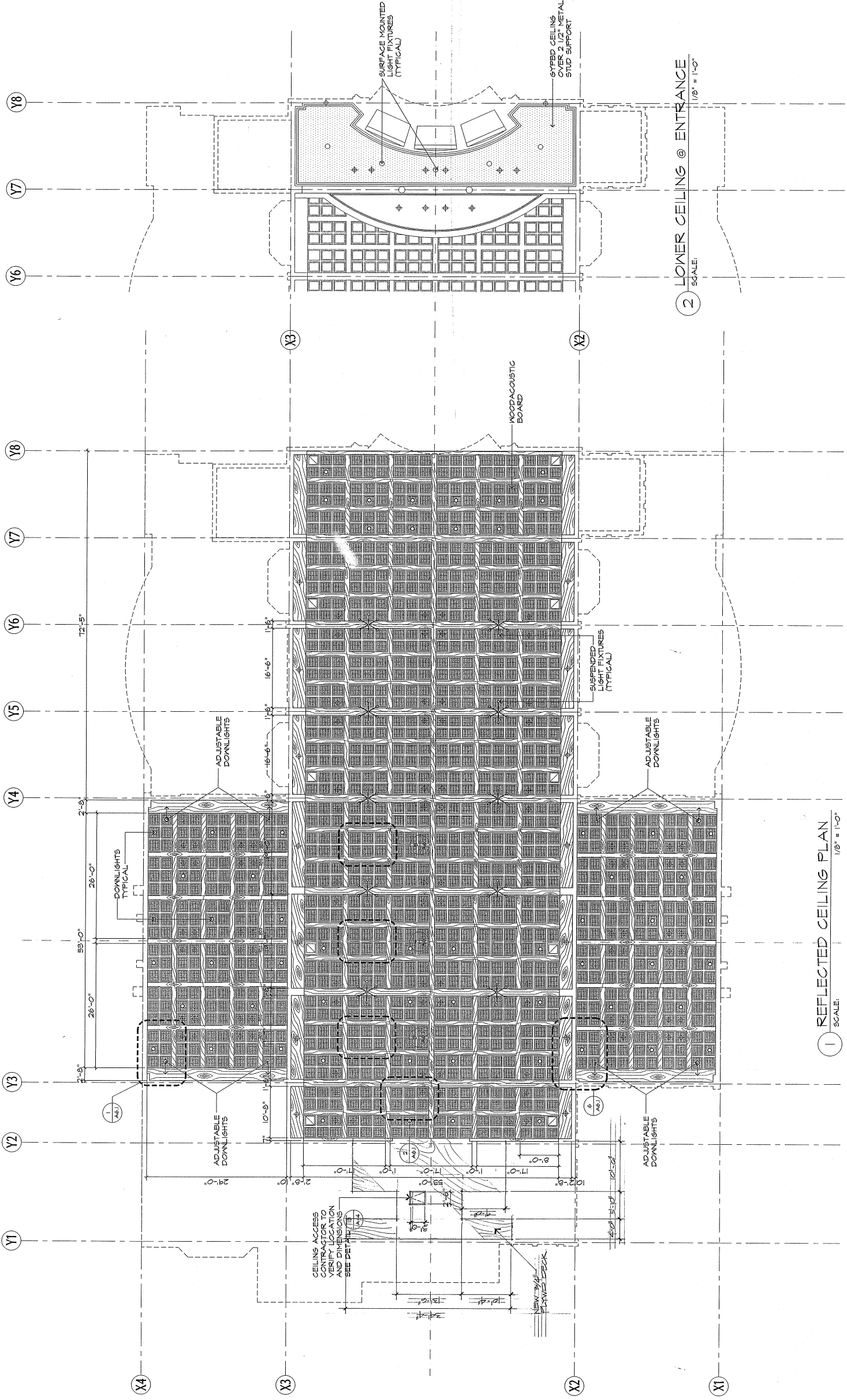
CIVIL:
STRUCTURAL:
MECHANICAL: <b>LRA &amp; ASSOCIATES</b> P.O. Box 9177 Dededo, Guam 96912
ELECTRICAL: <b>A.S. DELGADO &amp; ASSOCIATES</b> Aguada, Guam 96910
LANDSCAPE:

**CEILING REPLACEMENT FOR  
DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA**  
AGANA, GUAM

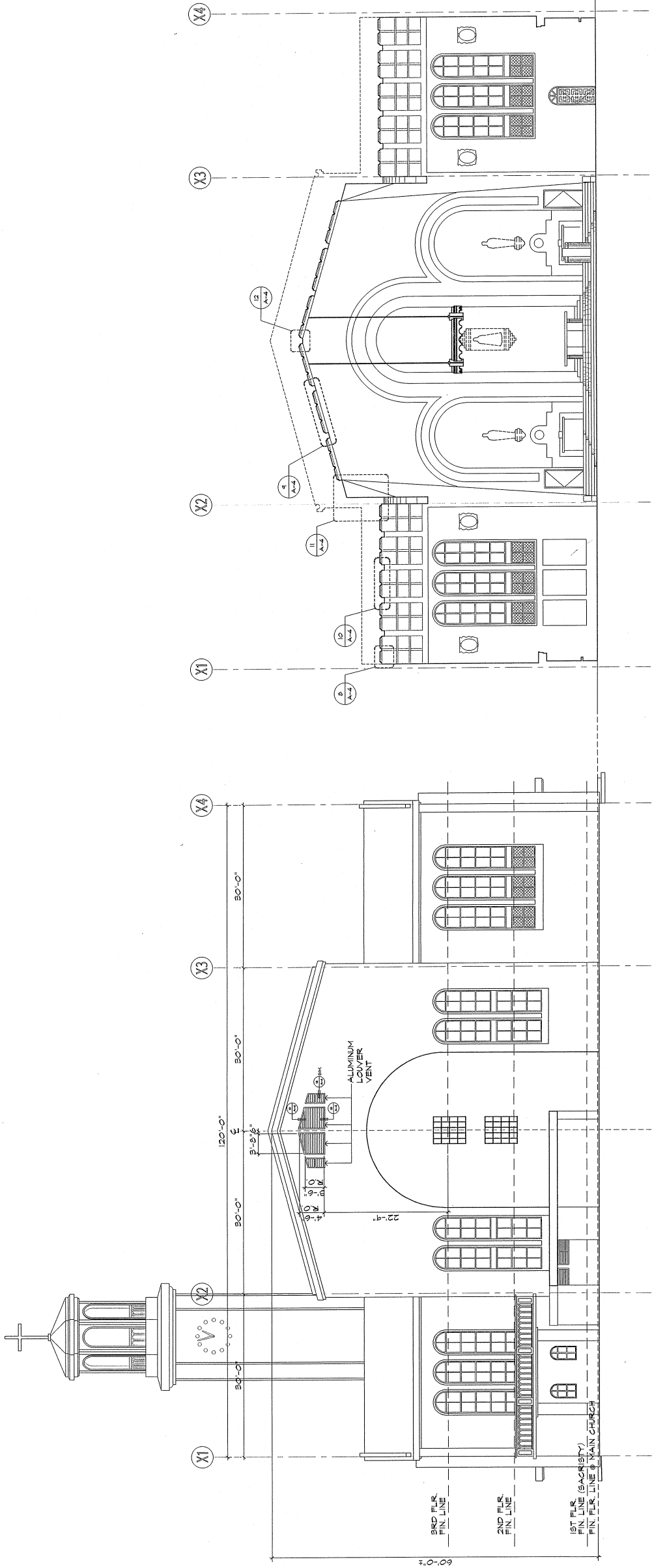


JOB NO. 221-03  
ADDRESS: 1000 W. WASHINGTON ST. #1000  
AGANA, GUAM

DRAWING TITLE:
<b>REFLECTED CEILING PLAN</b>
DESIGNED BY: ATL
DRAWN BY: KM
CHECKED BY: JCAVATL
SUPERVISED BY: ATLEAC
DRAWING NO. 221-03-001
DATE: 11/17/17
SCALE: 1/8" = 1'-0"
REV: 1
REV: 2



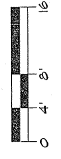


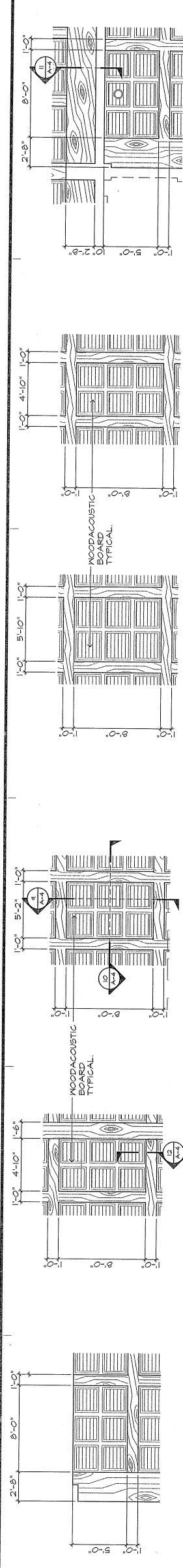


1 CROSS SECTION  
SCALE: 1/8" = 1'-0"

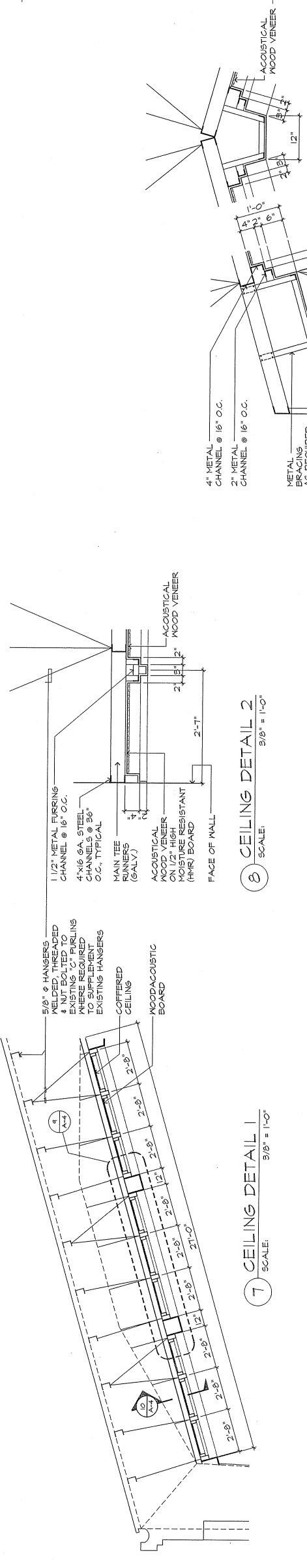
3 INTERIOR ELEVATION  
SCALE: 1/8" = 1'-0"

2 LONGITUDINAL SECTION  
SCALE: 1/8" = 1'-0"

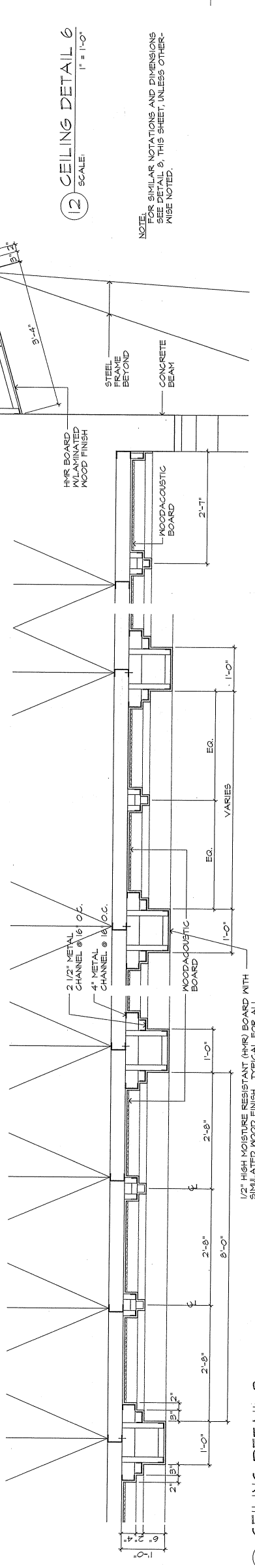




1 CEILING DETAIL PLAN 1 SCALE: 1/4" = 1'-0"  
 2 CEILING DETAIL PLAN 2 SCALE: 1/4" = 1'-0"  
 3 CEILING DETAIL PLAN 3 SCALE: 1/4" = 1'-0"  
 4 CEILING DETAIL PLAN 4 SCALE: 1/4" = 1'-0"  
 5 CEILING DETAIL PLAN 5 SCALE: 1/4" = 1'-0"  
 6 CEILING DETAIL PLAN 6 SCALE: 1/4" = 1'-0"

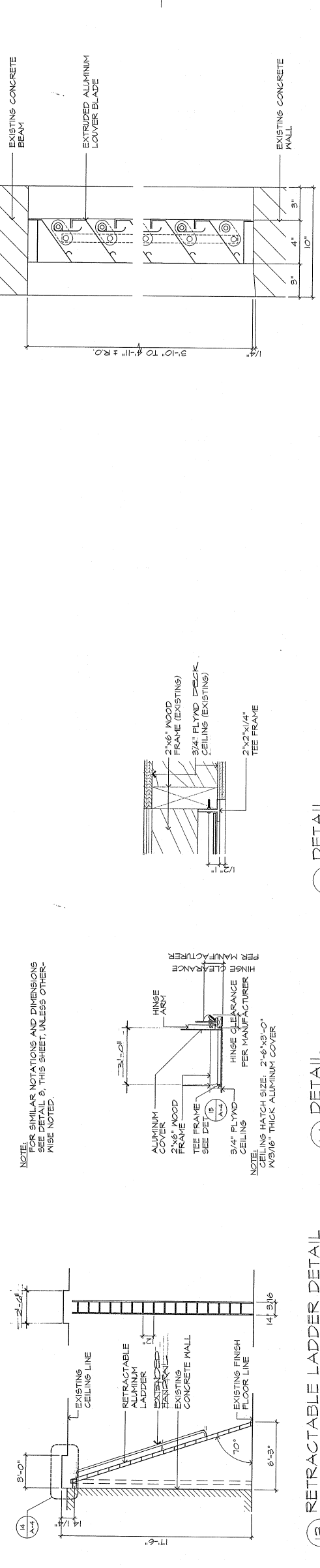


7 CEILING DETAIL 7 SCALE: 3/8" = 1'-0"

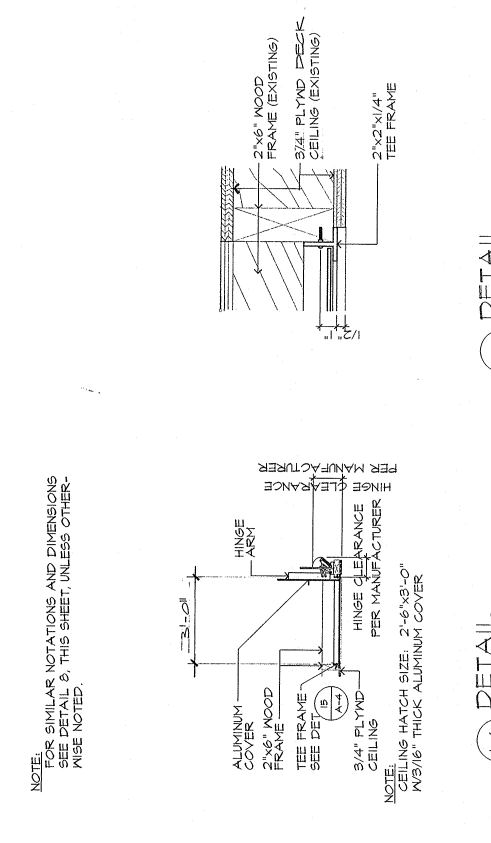


8 CEILING DETAIL 8 SCALE: 3/8" = 1'-0"

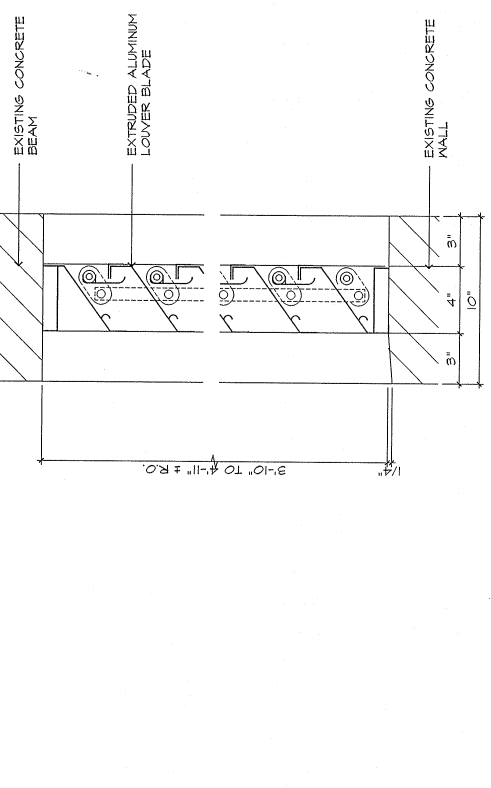
9 CEILING DETAIL 9 SCALE: 1" = 1'-0"  
 10 CEILING DETAIL 10 SCALE: 1" = 1'-0"  
 11 CEILING DETAIL 11 SCALE: 1" = 1'-0"  
 12 CEILING DETAIL 12 SCALE: 1" = 1'-0"



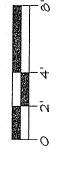
13 RETRACTABLE LADDER DETAIL SCALE: 1/4" = 1'-0"



14 DETAIL SCALE: 3" = 1'-0"



16 VENT DETAIL SCALE: 3" = 1'-0"



NOTE: 1/2" HIGH MOISTURE RESISTANT (HMR) BOARD WITH SIMULATED WOOD FINISH. TYPICAL FOR ALL EXPOSED CEILING WORK WITH THE EXCEPTION OF WOODACOUSTIC BOARD. WOOD FINISH WILL BE AS SELECTED BY ARCHITECT.

NOTE: SIMILAR NOTATIONS AND DIMENSIONS SEE DETAIL 8, THIS SHEET, UNLESS OTHERWISE NOTED.

NOTE: HINGE HATCH SIZE: 2'-6" X 10'-0"  
 1/8" X 1/4" THICK ALUMINUM COVER

NOTE: FOR SIMILAR NOTATIONS AND DIMENSIONS SEE DETAIL 8, THIS SHEET, UNLESS OTHERWISE NOTED.



**GENERAL NOTES**

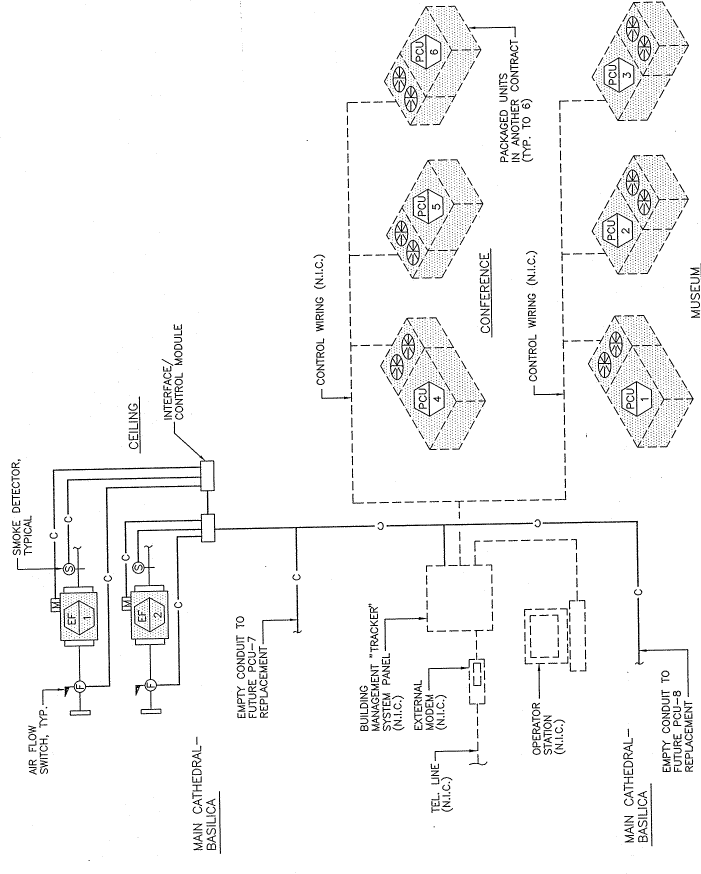
1. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNMENT LAWS, ORDINANCES, RULES AND REGULATIONS AND ORDERS. AIR CONDITIONING WORK SHALL CONFORM WITH APPLICABLE SECTIONS OF THE CURRENT EDITION OF THE UNIFORM MECHANICAL CODE AND NFPA 90A.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR GOVERNMENT PERMITS REQUIRED AND ARRANGE FOR PERIODIC AND FINAL INSPECTION BY GOVERNMENT AUTHORITIES.
3. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER 1 SET OF AS-BUILT DRAWINGS AFTER COMPLETION OF WORK.
4. MECHANICAL WORK SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE THAT IT IS IN PROPER PHASING WITH ALL OTHER TRADES AND WITH THE OVERALL PROGRESS OF CONSTRUCTION.
5. ALL EQUIPMENT AND MATERIALS INSTALLED SHALL BE NEW, IN PERFECT CONDITION, AND OF THE HIGHEST QUALITY. ALL EQUIPMENT AND MATERIALS SHALL BE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH EQUIPMENT AND SHALL BE THE LATEST STANDARD DESIGN.
6. EQUIPMENT CONFIGURATION, DIMENSIONS AND PIPING CONNECTIONS VARY WITH DIFFERENT MANUFACTURERS AND MAY DIFFER FROM THAT SHOWN ON DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE MANUFACTURER'S DATA SUBJECT TO THE CONTRACTING OFFICER'S APPROVAL. AND WHEN APPROVED SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL COST.
7. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL SHOWN OR MENTIONED.
8. DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.

**LEGEND**

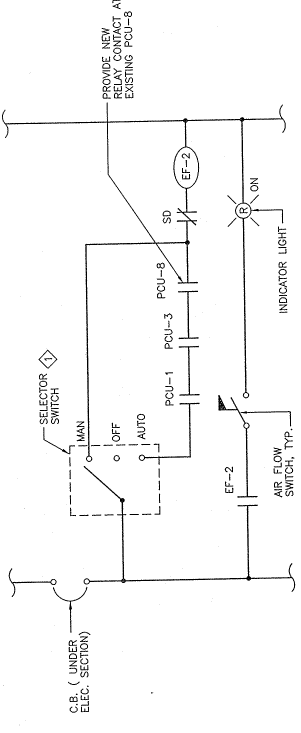
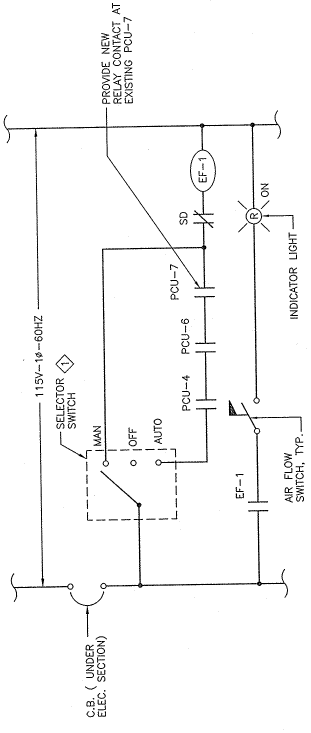
- |       |                          |     |                      |        |                       |
|-------|--------------------------|-----|----------------------|--------|-----------------------|
| EF    | EXHAUST FAN              | EAR | EXHAUST AIR REGISTER | P.O.C. | POINT-OF-CONNECTION   |
| EAD   | EXHAUST AIR DUCT CONTIN. | EAG | EXHAUST AIR GRILLE   | C.O.P. | CUT-OFF-POINT         |
| V.D.  | VOLUME DAMPER            | (M) | MOTOR                | FLEX.  | FLEXIBLE              |
| T.V.  | TURNING VANES            | (T) | THERMOSTAT           | COND.  | CONDENSATE            |
| CONN. | CONNECTION               | (S) | SMOKE DETECTOR       | TYP.   | TYPICAL               |
| —C—   | DDC CONTROL WIRING       | FA  | FIRE ALARM           | DN.    | DOWN                  |
|       |                          |     |                      | CFM    | CUBIC FEET PER MINUTE |

**EQUIPMENT SCHEDULE**

EXHAUST FANS								
MARK	QTY	AREA SERVED	TYPE	CAPACITY (CFM)	STATIC PRESSURE	MAX. FAN MOTOR (HP)	ELECTRICAL CHARACTERISTICS (V - P - HZ)	REMARKS
EF-1	1	MAIN CATHEDRAL-BASILICA	CENTRIFUGAL IN-LINE	3,405	1/2	985	208 - 1 - 60	WITH INSULATED FAN MOTOR COVER
EF-2	1	MAIN CATHEDRAL-BASILICA	CENTRIFUGAL IN-LINE	3,405	1/2	985	208 - 1 - 60	
EF-3	1	FAN ROOM	CENTRIFUGAL IN-LINE	870	1/2	1140	115 - 1 - 60	
EF-4	1	FAN ROOM	CENTRIFUGAL IN-LINE	870	1/2	1140	115 - 1 - 60	



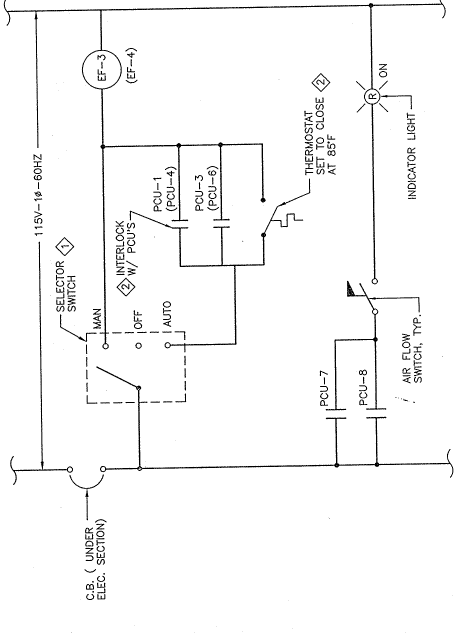
**3 DDC SYSTEM SCHEMATIC DIAGRAM**  
 M.I.O N T S



**1 EXHAUST FANS EF-1 & EF-2 ELEMENTARY CONTROL DIAGRAM**  
 M.I.O N T S

**TYP. SEQUENCE OF OPERATION**

1. PROVIDE EXHAUST FAN WITH A "MANUAL-OFF-AUTO" SELECTOR SWITCH.
2. ON "AUTO", A PARALLEL INTERLOCK SHALL CAUSE EF-1 (OR EF-2) TO OPERATE WHEN PCU-4, PCU-5 & PCU-7 (OR PCU-1, PCU-3 & PCU-6) ARE ENERGIZED.
3. ON "MANUAL" MODE, THE FAN CAN BE TURNED "ON" OR "OFF" FOR INDEFINITE PERIODS.

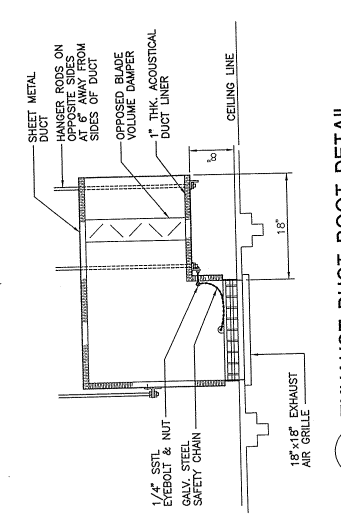


**2 TYPICAL EXHAUST FANS EF-3 & EF-4 ELEMENTARY CONTROL DIAGRAM**  
 M.I.O N T S

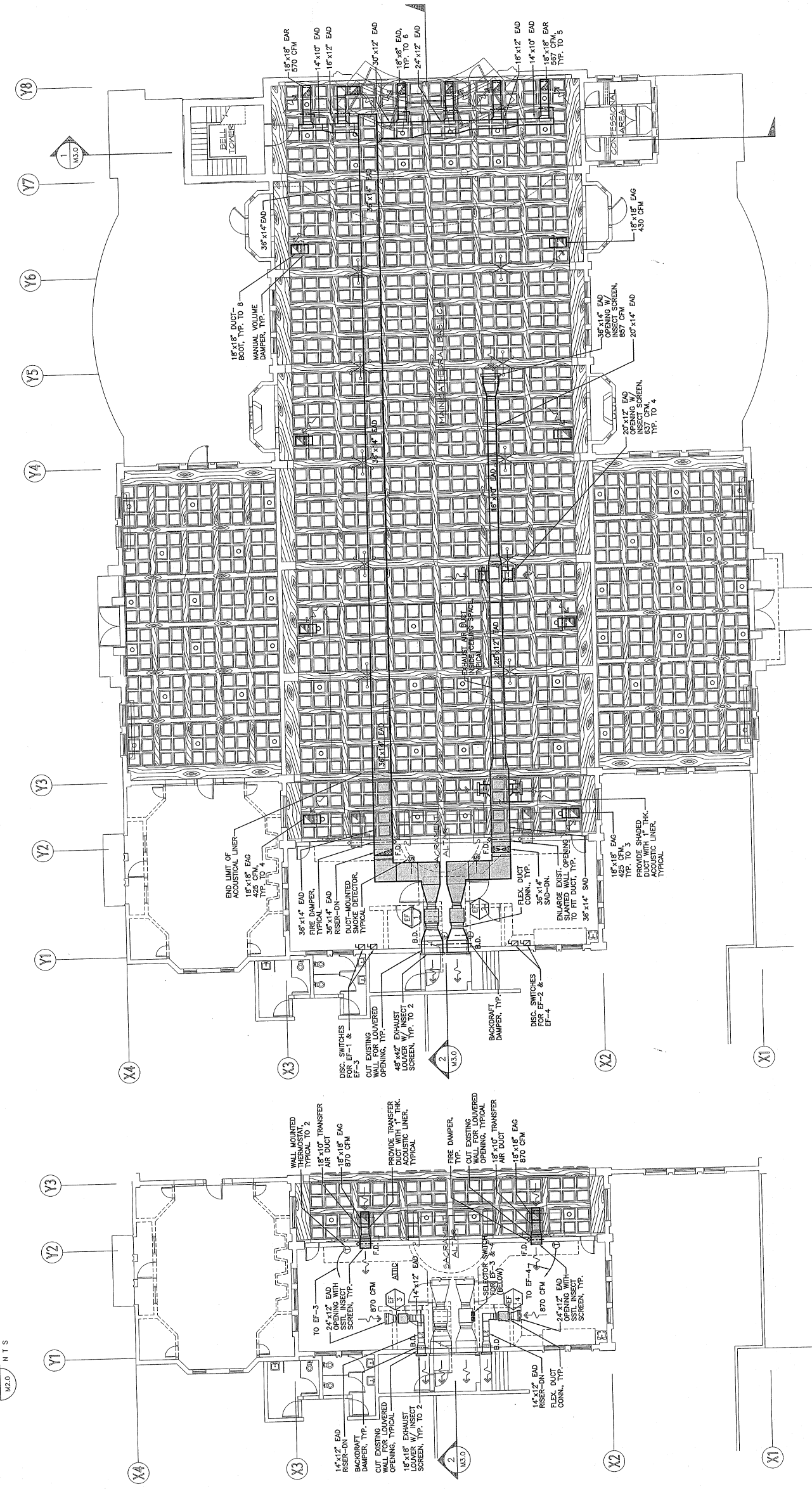
**SEQUENCE OF OPERATION**

1. PROVIDE EXHAUST FAN WITH A "MANUAL-OFF-AUTO" SELECTOR SWITCH.
2. ON "AUTO", A ROOM THERMOSTAT SHALL CAUSE THE FAN TO OPERATE UPON A TEMPERATURE RISE FROM 65°F TO 75°F. WHEN THE THERMOSTAT IS ENERGIZED, THE FAN TO OPERATE WHEN ANY ONE OF PCU-1 OR PCU-3 (OR PCU-4 OR PCU-6) IS ENERGIZED.
3. ON "MANUAL" MODE, THE FAN CAN BE TURNED "ON" OR "OFF" FOR INDEFINITE PERIODS.

- NOTES:**
1. CONTROL DIAGRAM SHOWN IS FOR INTENDED CONTROL SCHEME ONLY & DOES NOT NECESSARILY DEFINE ACTUAL DDC WIRING.
  2. CONTRACTOR SHALL SUBMIT CONTROL SYSTEM SHOP DRAWINGS COORDINATED WITH THE "TRACKER" CONTROL SYSTEM TO BE PROVIDED IN PREVIOUS PROJECT PHASE.
  3. EXISTING PCU-7 & PCU-8 CONTROL SYSTEM SHALL REMAIN.



**3 EXHAUST DUCT BOOT DETAIL**  
 M2.0 N.T.S.

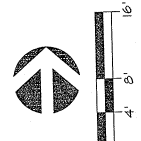


**2 MAIN CHURCH VENTILATION PLAN**  
 M2.0 SCALE: 1/8" = 1'-0"

**EQUIPMENT INSTALLATION NOTES:**

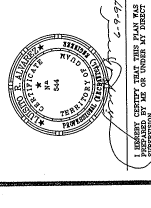
1. PROVIDE EXHAUST FANS WITH STRUCTURAL STEEL TRAPEZE TYPE SUPPORTS COMPLETE WITH SEISMIC BRACING.
2. SUBMIT SHOP DRAWINGS SHOWING SUPPORTS FASTENED TO THE EXISTING BUILDING STRUCTURE. SUPPORTS SHALL BE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER.
3. ALL SUPPORTS SHALL BE OF GALVANIZED STEEL MATERIAL.
4. ALL BOLTS & NUTS SHALL BE OF STAINLESS STEEL STRUCTURAL GRADE MATERIAL.

**1 ATTIC VENTILATION PLAN**  
 M2.0 SCALE: 1/8" = 1'-0"



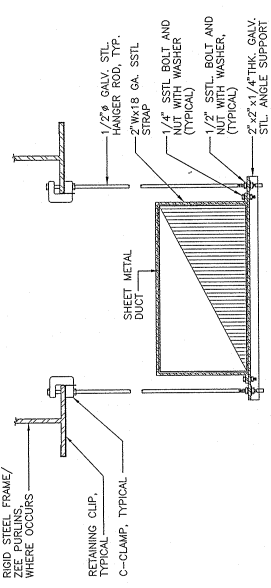
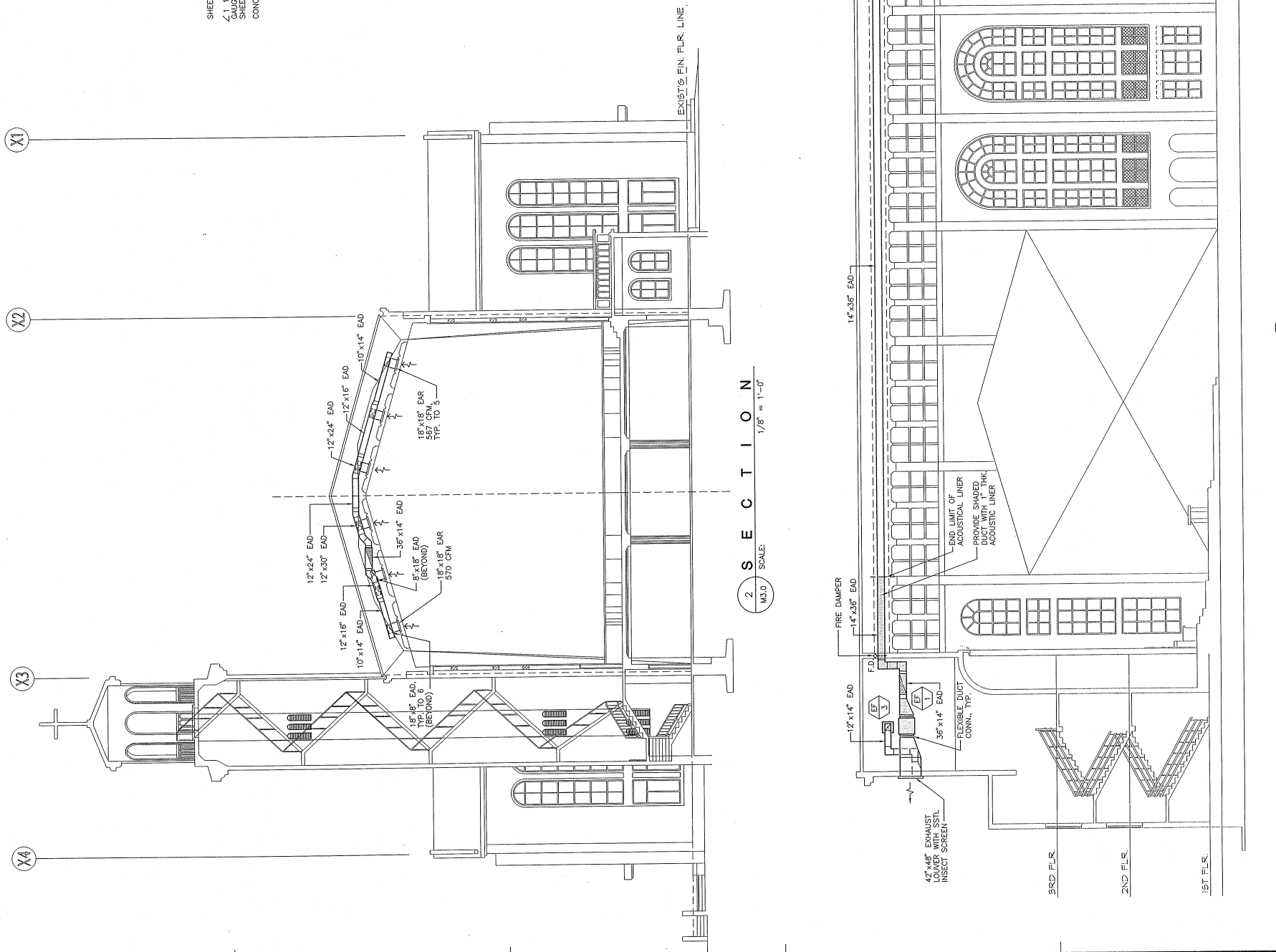


**CEILING REPLACEMENT FOR  
 DULCE NOMBRE - BASILICA  
 AGANA, GUAM**

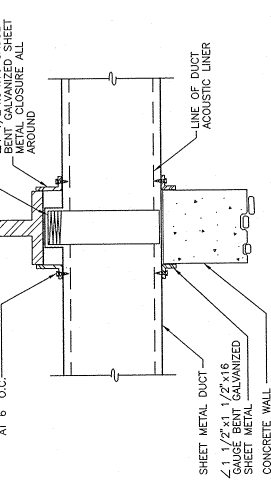


SECTIONS  
 MISCELLANEOUS DETAILS

DESIGNED BY:	LRA
DRAWN BY:	MPN
CHECKED BY:	LRA
SUPERVISED BY:	LRA
DRAWING NO.	850-0320-01
CATEGORY:	OUTDOOR



3 EXH. DUCT THRU WALL DETAIL  
 M3.0 N T S



4 DUCT HANGER DETAIL  
 M3.0 N T S

**2 SECTION**  
 M3.0 SCALE: 1/8" = 1'-0"

**1 SECTION**  
 M3.0 SCALE: 1/8" = 1'-0"



GUAM OFFICE:  
886 ROUTE 7, NELSON COMM'L BLDG.  
SUITE 203, MANA, GUAM 96922  
TEL. NO. (671) 472-2244  
FAX NO. (671) 477-4324 (6733)

SAIPAN OFFICE:  
8TH FLOOR, MAURO BLDG. SINSUPE,  
SAIPAN, GUAM 96941  
TEL. NO. (670) 234-4483  
FAX NO. (670) 234-4483

AGANA CATHEDRAL BASILICA  
ELECTRICAL SITE RENOVATION  
GUAM

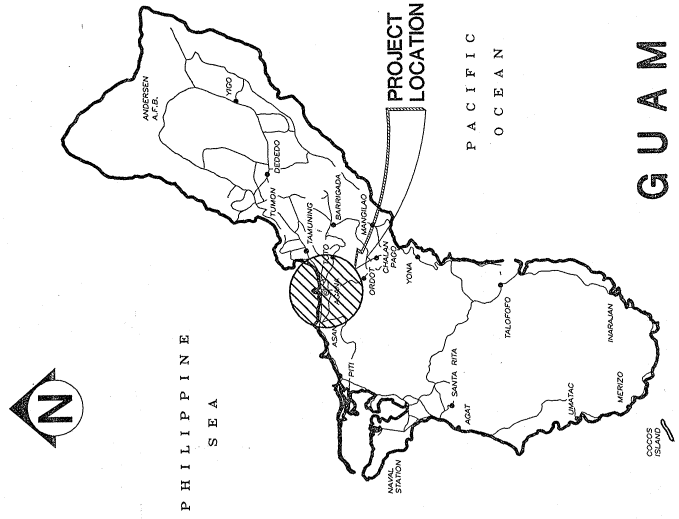
# AGANA CATHEDRAL BASILICA

## ELECTRICAL SITE RENOVATION

AGANA

GUAM

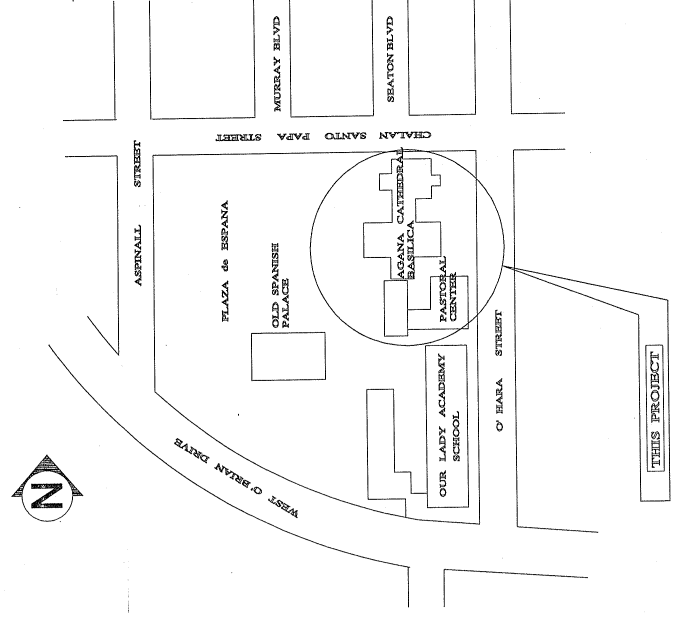
LOCATION MAP



INDEX OF DRAWING

DRAWING NO.	SHEET NO.	SHEET CONTENTS
TS-1	1 OF 6	TITLE, LOCATION MAP, INDEX OF DRAWING, VICINITY MAP
E-1	2 OF 6	ELECTRICAL SITE PLAN
E-2	3 OF 6	ELECTRICAL ONE-LINE DIAGRAM
E-3	4 OF 6	ELECTRICAL SYMBOLS AND ABBREVIATION, GENERAL NOTES GENERATOR & ELECTRICAL ROOM ENLARGED DRAWING
E-4	5 OF 6	ELECTRICAL MISCELLANEOUS DETAILS
E-5	6 OF 6	ELECTRICAL SITE DEVOLUTION PLAN

VICINITY MAP



THIS WORK WAS PREPARED BY ME  
AS A PROFESSIONAL ENGINEER  
ON 9/10/96  
ATTEST: [Signature] REGISTERED PROFESSIONAL ENGINEER  
AGANA, GUAM

DRAWING TITLE:

DESIGNER: ASD

DRAWN: JC

CHECKED: ASD

SUPV.: ASD

SCALE: AS SHOWN

DATE: JULY 11, 1996

JOB:

DRAWING NO. TS-1

CAD FILE: TS-1

SHEET NO. 01 OF 6





**ATP/ELC/AV**  
**ASSOCIATES, INC.**  
 CONSULTING ELECTRICAL & MECHANICAL ENGINEERS

GUAM OFFICE:  
 886 ROUTE 7, NELSON COUNTY BLDG.  
 SUITE 203 - MAIN - GUAM 96922  
 TEL. NO. (671) 472-8284  
 FAX NO. (671) 477-8338

SAIPAN OFFICE:  
 6TH FLOOR, MARIPOSA BLDG. SUITE  
 SUITE 203 - MAIN - GUAM 96922  
 TEL. NO. (671) 234-1829  
 FAX NO. (671) 234-0669

AGANA  
 ELECTRICAL SITE RENOVATION  
 AGANA

REVISIONS	BY
1. REVISED PER COMMENTS	ASD/10/10/02
2. REVISED PER COMMENTS	ASD/10/10/02
3. REVISED PER COMMENTS	ASD/10/10/02
4. REVISED PER COMMENTS	ASD/10/10/02
5. REVISED PER COMMENTS	ASD/10/10/02
6. REVISED PER COMMENTS	ASD/10/10/02

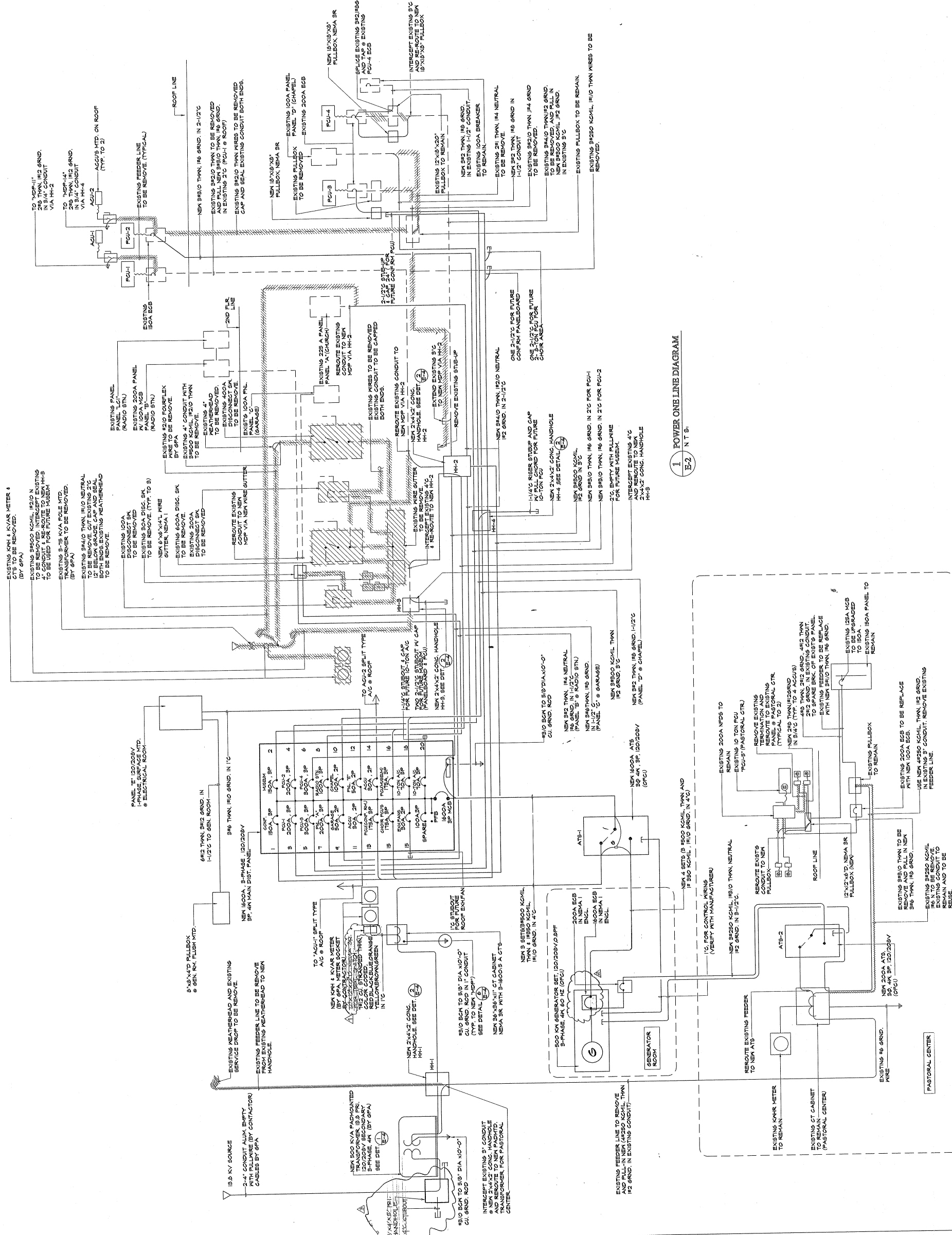


THE WORKING DRAWING IS TO BE USED UNDER THE SUPERVISION OF AN ENGINEER REGISTERED WITH THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS OF GUAM.

DATE: 9/10/02

DRAWING TITLE:	
Design:	ASD
Drawn:	JC/R/S
Checked:	ASD
Supv.:	ASD
Scale:	AS BENCH
Date:	SEPT (C) 1996
Job:	
Drawing No.:	E-2
Sheet No.:	3 of 6

nitro PDF professional





**ELECTRICAL GENERAL NOTES**

- ALL MATERIALS TO BE USED FOR THIS PROJECT SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
- CONDUITS SHALL BE ALUMINUM UNLESS OTHERWISE SPECIFIED AND SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
- MINIMUM CONDUIT SIZE SHALL BE 1/2".
- EXPOSED CONDUITS SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
- WIRING SHALL BE TYPE THHN, THWN, OR THWN-2 UNLESS OTHERWISE SPECIFIED IN THE PLANS. MINIMUM SIZE SHALL BE #12.
- NEUTRAL SHALL BE WHITE  
GROUND SHALL BE GREEN  
PHASE "A" SHALL BE RED  
PHASE "B" SHALL BE BLUE  
PHASE "C" SHALL BE YELLOW
- NON-CURRENT CARRYING METALLIC PARTS OF METERS, PANEL BOARDS, ELECTRICAL EQUIPMENT AND DEVICES SHALL BE GROUNDED. AS-BUILT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND THE NATIONAL ELECTRICAL CODE (NEC).
- ALL ELECTRICAL BOXES ENCASED IN CONCRETE SHALL BE DIPPED IN ASPHALTIC CEMENT.
- ALL ELECTRICAL WORK SHALL BE DONE BY A SAID LICENSED MASTER ELECTRICIAN OR UNDER THE DIRECTION OF SAID LICENSED MASTER ELECTRICIAN. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND THE NATIONAL ELECTRICAL CODE (NEC).
- ALL CONDUITS SHALL BE FREE OF DIRT AND ROCKS. NIP CONDUITS AND CAP WERE NOTED. DRIVENWAYS OR ROADWAYS SHALL BE PROTECTED BY A 2" MINIMUM THICKNESS CONCRETE ENCASEMENT. TRANSFORMER PADS OF CABINET, METERS AND ALL PANELBOARDS SHALL MAINTAIN A 24" MINIMUM DISTANCE FROM FINISH GRADE TO CONDUIT ENCASEMENT.
- CONDUITS WITH GFA FOR RISER POLE EXACT LOCATION AND CLEARANCE. COORDINATE WITH GFA ENGINEERS FOR EXISTING RISER POLE LINE RELOCATIONS, IF REQUIRED, PRIOR TO COMMENCEMENT OF WORK.
- METER LOCATION SHALL BE ACCESSIBLE AT ALL TIMES.
- APPLICATION FOR POWER SERVICE SHALL BE MADE AT LEAST 60 DAYS IN ADVANCE OF ANTICIPATED COMPLETION DATE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR INSTALLATION OF ELECTRICAL PANELS & DISCONNECT SWITCHES.
- WHERE CONNECTION IS MADE TO SWITCHES AND OTHER ELECTRICAL DEVICES WHICH ARE SUBJECT TO VIBRATION, USE FLEXIBLE CONDUIT.
- WHERE TRENCHING FOR UNDERGROUND WORK CROSSES SIDEWALKS, THE SIDEWALK SHOULD BE SAUGHT AND RESTORED TO ITS ORIGINAL CONDITION.
- COORDINATE WORK WITH OTHER TRADES.

**ABBREVIATION:**

ACCU	AIR COOLED CONDENSING UNIT
ACL	ABOVE CENTER LEVEL
AFF	ABOVE FINISH FLOOR
AMP	AMPERES
BCM	BASE COPPER WIRE
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CCG	CONCRETE
CT	CURRENT TRANSFORMER
ECB	ENGAGED CIRCUIT BREAKER
FCU	FAN COIL UNIT
GRND	GROUND
KVA	KILOVOLT AMPERE
KWHR	KILOWATT HOUR
MCP	MAIN DISTRIBUTION PANEL
MGB	MAIN CIRCUIT BREAKER
P	POLE
PNL	PANEL
PNL	PANELBOARD
FCU	PACKAGE COOLING UNIT
HH	HANDHOLE
TYP	TYPICAL
US	UNDERGROUND
XTFR	TRANSFORMER

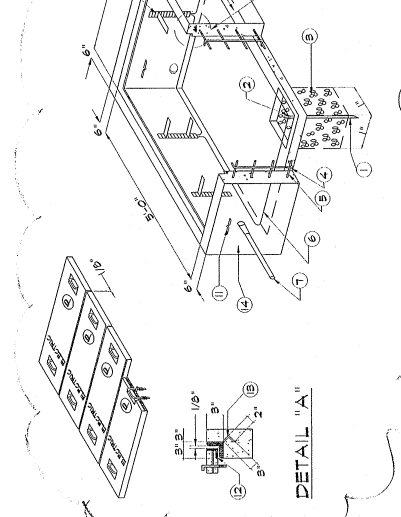
**SYMBOL LIST:**

□	NON-FUSIBLE DISCONNECT SWITCH RATINGS AS INDICATED
□	MAIN DISTRIBUTION PANEL
□	SECONDARY CONCRETE HANDHOLE
□	AIR COOLED CONDENSING UNIT / PACKAGE COOLING UNIT
□	FAN COIL UNIT
□	FLEXIBLE CONDUIT
①	DETAIL INDICATOR, TOP HALF INDICATES DETAIL NUMBER, BOTTOM HALF INDICATES SHEET NO.
②	KILOWATT HOUR METER
③	INDICATOR RACEWAY SECTION
④	EQUIPMENT
⑤	ELECTRICAL PANELBOARD
⑥	PADMOUNTED TRANSFORMER
⑦	CONCRETE POWER POLE EXISTING
⑧	JUNCTION BOX, CEILING MOUNTED / WALL MOUNTED

**PANEL 'E'**  
SURFACE MOUNTING  
(ELECTRICAL ROOM)

SKT. NO.	LOAD DESCRIPTION	CIRCUIT BREAKER	CONNECTED LOAD (KVA)	ΦA	ΦB	ΦC	WIRE SIZE
1	LIGHTS/OUTLET (ELECT. RM)	1P 20	0.25	0.25	0.25	0.25	#12
2	FAN RAMP (GENERATOR)	1P 20	0.25	0.25	0.25	0.25	#12
3	BATTERY CHARGER (GENERATOR)	1P 20	0.25	0.25	0.25	0.25	#12
4	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
5	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
6	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
7	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
8	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
9	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
10	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
11	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
12	SPARE	1P 20	0.25	0.25	0.25	0.25	#12
			<b>TOTAL LOAD/PHASE</b>	<b>2.75</b>	<b>2.75</b>	<b>2.75</b>	<b>2.75</b>
			<b>TOTAL CONN. LOAD</b>	<b>5.64 KVA</b>			<b>1-4/0/2/0/36</b>
			<b>DEMAND FACTOR</b>	<b>80 %</b>			<b>2168 AMPS</b>
			<b>TOTAL DEMAND LOAD</b>	<b>4.50 KVA</b>			

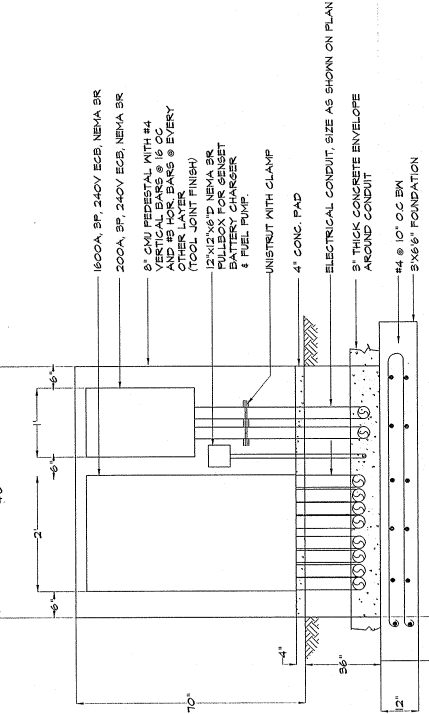
USE 3/8" THIN, RIG. GRND. IN TC



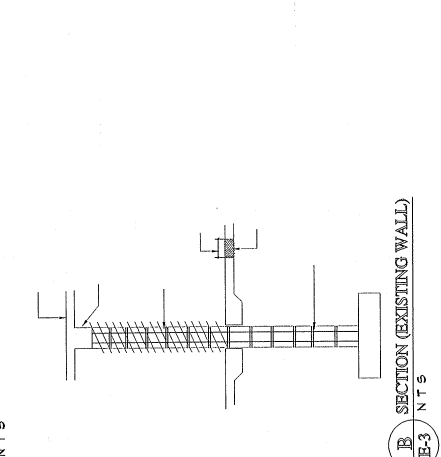
**4. 5'x4'x15\"/>**

**BILL OF MATERIALS**

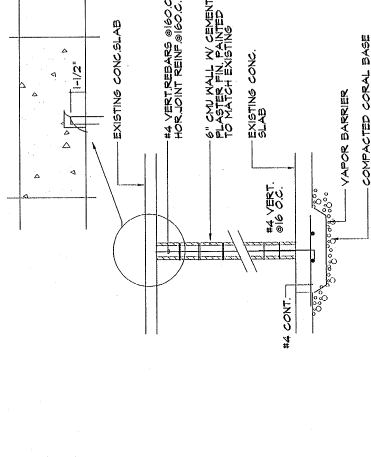
ITEM	DESCRIPTION
1	5/8" Ø X 8'-0" LONG COPPER WELD GROUND ROD
2	5/8" Ø COPPER GROUND ROD CLAMP
3	5/8" Ø MAX. GRAVEL SIZE FILL TO FINISH FLOOR
4	4" REBAR @ 10" O.C. HORIZONTAL
5	4" REBAR @ 10" O.C. VERTICAL
6	16 COPPER WIRE BOLL FOR GROUNDING HARDWARES
7	16 COPPER WIRE BOLL 20' FROM FLOOR SLAB, SIZE AND QUANTITY IS REQUIRED
8	CABLE BACK-HOT DIP GALVANIZED
9	HOOK TYPE INSULATOR
10	INSULATOR WELDED SUPPORT
11	FALLING IRON 1/8" Ø (GALV.) OPPOSITE END OF EACH CONDUIT ENTRANCE
12	3" X 3" X 1/4" ANGLE IRON HOT DIP GALV. ALL AROUND
13	5/8" Ø STEEL ROD WELDED TO FRAME EVERY 12" O.C.
14	1/2" THK. CONCRETE MALL & FLOOR SLAB @ 2500 PSI.



**1. GENERATOR ENCLOSURE LAYOUT PLAN**  
E-3 N T S



**2. LIGHTING & POWER LAYOUT PLAN-ELECT. RM.**  
E-3 SCALE: 1/2" = 1'-0"



**3. GENERATOR PAD CONST. DETAIL**  
E-3 N T S

- NOTES:**
- GROUND ALL HARDWARES IN THE HANDHOLE.
  - TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.
  - AREA OF CONDUIT DISTANCES SHOULD BE 20" FROM THE LEFT OR RIGHT SIDE WALL AND 20" MIN. FROM TOP OF THE HANDHOLE.
  - PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.

**ATYELAND ENGINEERS, INC.**  
CONSULTING ELECTRICAL & MECHANICAL ENGINEERS  
GUAM OFFICE:  
888 ROUTE 7, NELSON COMM. BLDG.  
SUITE 205, MANA, GUAM 96922  
TEL. NO. (671) 472-2284  
FAX NO. (671) 472-2284  
SUAPAN OFFICE:  
6TH FLOOR, NURO BLDG. SUAPUR,  
SUAPUR, GUAM 96943  
TEL. NO. (671) 234-1883  
FAX NO. (671) 234-9488

AGANA CATHEDRAL BASILICA  
ELECTRICAL SITE RENOVATION  
AGANA  
GUAM

**REVISIONS**

NO.	BY	DATE	DESCRIPTION
1	ASD	10/17/16	CONC. HANDHOLE

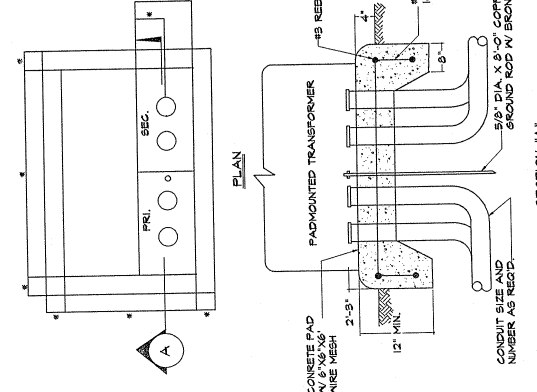


DESIGNED BY ME  
CHECKED BY ME  
DATE: 10/17/16  
PROJECT: AGANA CATHEDRAL BASILICA

**DRIVING TITLE:**

ELECTRICAL GEN. NOTES:  
SYMBOL LIST AND ABBREVIATION  
ELECTRICAL R.V. LAYOUT  
PANEL LOAD SCHEDULE

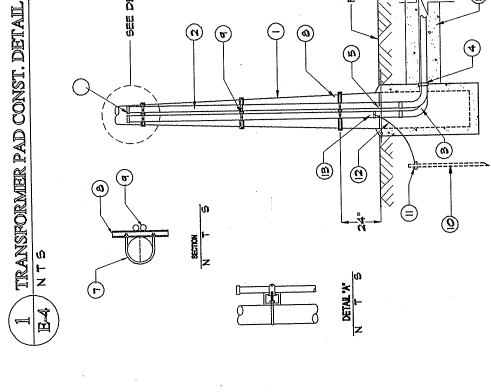
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Date: SEPT. 10, 1986  
Job:  
Drawing No: 133  
Sheet No: 4 of 6  
E-03



**1 TRANSFORMER PAD CONST. DETAIL**  
E-4 N T S

NOTE: VERIFY EXACT DIMENSION WITH SPA

NOTES:  
1. GRADE AND COMPACT THE PAD SITE SO THAT THE TOP FRONT SHALL HAVE A SLOPE OF NOT GREATER THAN 1/2 INCH PER FOOT TOWARDS THE SIDEWALK.  
2. GRADE SUFFICIENTLY AROUND THE PAD SITE TO PREVENT FUTURE FLOODING. THE AREA CONTAINING THE TRANSFORMER SHALL BE PROTECTED BY ROLLING MALL APPROVED BY SPA ENGINEERING. ENGINEER'S SEALS AND SPECIFICATIONS FOR COMPACTING SHALL BE OBTAINED FROM SPA.  
3. THE DIMENSIONS SHOWN ON THE TABLES ARE SIZES ONLY. COORDINATE WITH SPA ENGINEERING ON THE TYPE OF TRANSFORMER BEING SUPPLIED.  
4. ALL WORK AND MATERIALS WILL BE RESPONSIBILITY OF THE CUSTOMER/DEVELOPER.

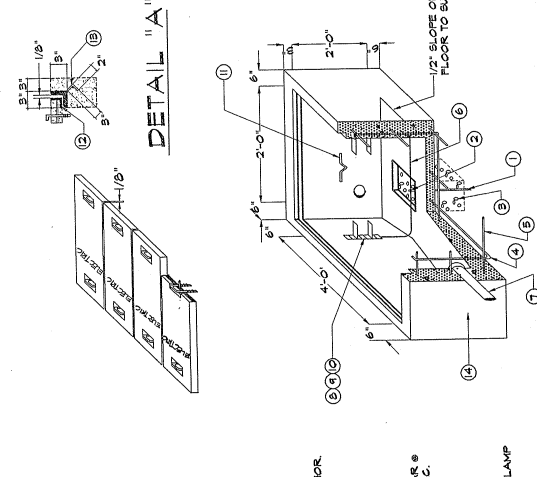


**BILL OF MATERIALS**

ITEM	DESCRIPTION
1	RISER POLE (CONCRETE) LENGTH AS REQUIRED.
2	ELECTRICAL ALUMINUM CONDUIT, QUANTITY & LENGTH AS REQ'D.
3	ELECTRICAL PVC CONDUIT, SCHED. 40, QTY., LENGTH AS REQ'D.
4	ELECTRICAL PVC COUPLING, SCHED. 40, QTY., AS REQ'D.
5	ELECTRICAL PVC ADAPTER, SCHED. 40, QTY., AS REQ'D.
6	ELECTRICAL RIGID CONDUIT BUSHING, GALV. 4 DIA. QTY., AS REQ'D.
7	1/2" BOLT 1/2" DIA. GALV. NUT & WASHER SHAPE TO BE FIT & SNUG.
8	MINIMUM QUANTITY AS REQUIRED.
9	CONDUIT CLAMP, NUTS AND BOLTS, SIZES AS REQUIRED.
10	5/8" DIA. X 5 FT. COPPER GROUND ROD, QUANTITY AS REQUIRED.
11	5/8" DIA. COPPER GROUND ROD CLAMP, QUANTITY AS REQUIRED.
12	#4 COPPER GROUND WIRE, LENGTH AS REQUIRED.
13	GROUND CLAMP, QUANTITY AS REQUIRED.
14	3" THICK CONCRETE ENVELOPE AROUND CONDUIT.

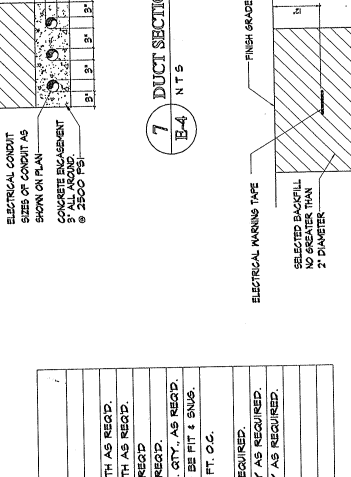
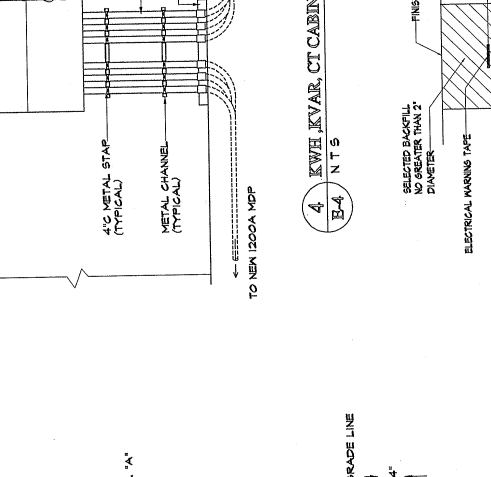
NOTES:  
1. USE REQUIRED CONDUIT BANK SIZE AND QUANTITY.  
2. THE CONDUIT RISER SHALL BE APPROXIMATELY 50' UP THE POLE SIZE OF CONDUIT AND CONDUIT ACCESSORIES TO BE DETERMINED BY SPA ENGINEERING.  
3. THE RIGID CONDUIT SHALL BE GROUNDED AND CONNECTED TO THE GROUND ROD.  
4. RISER CONDUIT SHALL BE PROVIDED WITH FULL WIRE A NYLON ROPE OF 10 LBS. TENSILE STRENGTH AND THE CONDUIT END SHALL BE CAPPED.

**11 CONCRETE RISER POLE DETAIL**  
E-4 N T S

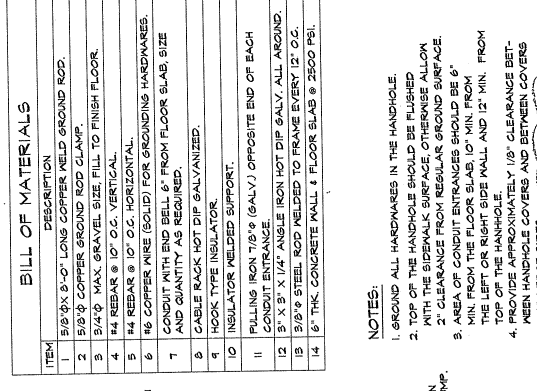


**2 2'x2' CONC. HANDHOLE DETAIL**  
E-4 N T S

NOTES:  
1. GROUND ALL HARDWARES IN THE HANDHOLE.  
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.  
3. AREA OF CONDUIT ENTRANCES SHOULD BE 6" MIN. LESS ON LEFT SIDE WALL AND 12" MIN. FROM TOP OF THE HANDHOLE.  
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.  
5. HANDHOLE COVERS SHALL ALL BE MARKED 'ELECTRIC'.



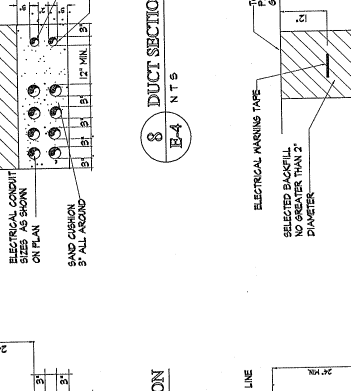
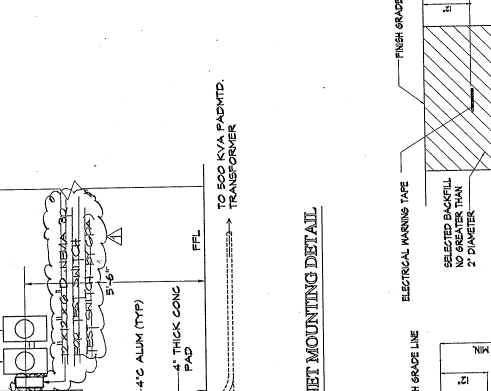
**12 DUCT SECTION**  
E-4 N T S



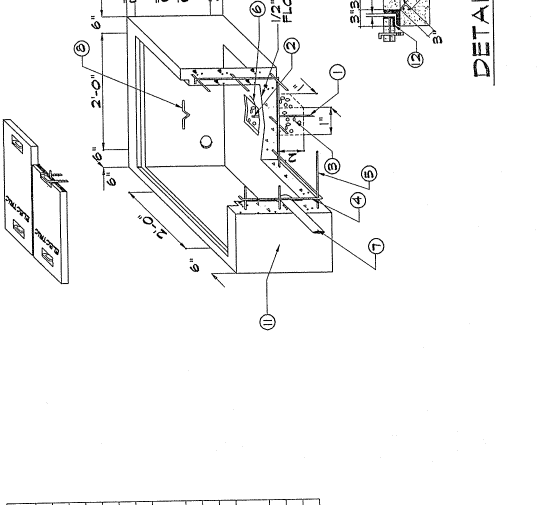
**3 2'x2' CONC. HANDHOLE DETAIL**  
E-4 N T S

INSTALL DIAGONALLY ONE FOOT AWAY FROM TRANSFORMER PAD

NOTES:  
1. GROUND ALL HARDWARES IN THE HANDHOLE.  
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.  
3. AREA OF CONDUIT ENTRANCES SHOULD BE 6" MIN. LESS ON LEFT SIDE WALL AND 12" MIN. FROM TOP OF THE HANDHOLE.  
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.  
5. HANDHOLE COVERS SHALL ALL BE MARKED 'ELECTRIC'.



**13 DUCT SECTION**  
E-4 N T S

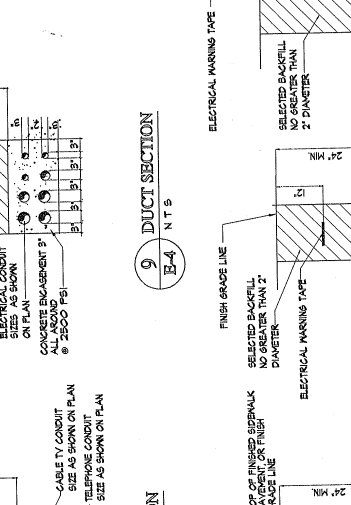
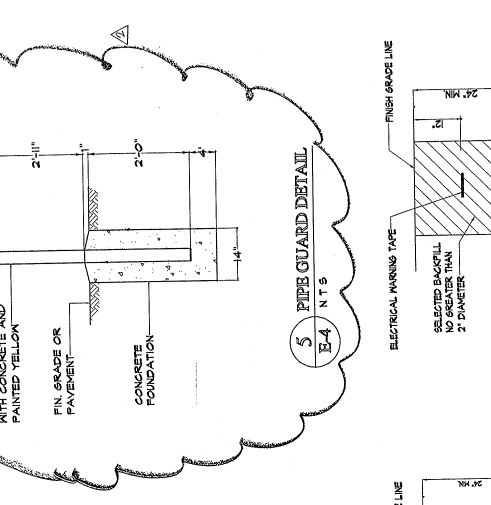


**4 KWH KVAR. CT CABINET MOUNTING DETAIL**  
E-4 N T S

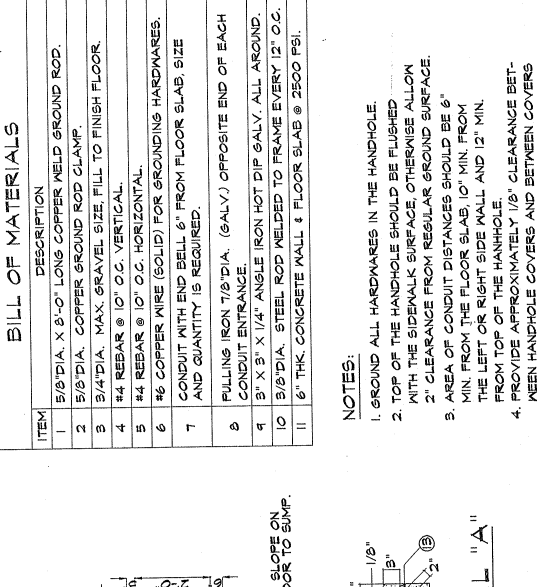
TO NEW 1200A MOP

TO NEW 500 KVA PADMTD. TRANSFORMER

NOTES:  
1. GROUND ALL HARDWARES IN THE HANDHOLE.  
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.  
3. AREA OF CONDUIT ENTRANCES SHOULD BE 6" MIN. LESS ON LEFT SIDE WALL AND 12" MIN. FROM TOP OF THE HANDHOLE.  
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.  
5. HANDHOLE COVERS SHALL ALL BE MARKED 'ELECTRIC'.



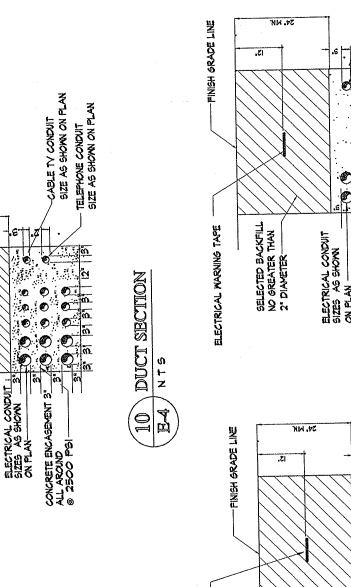
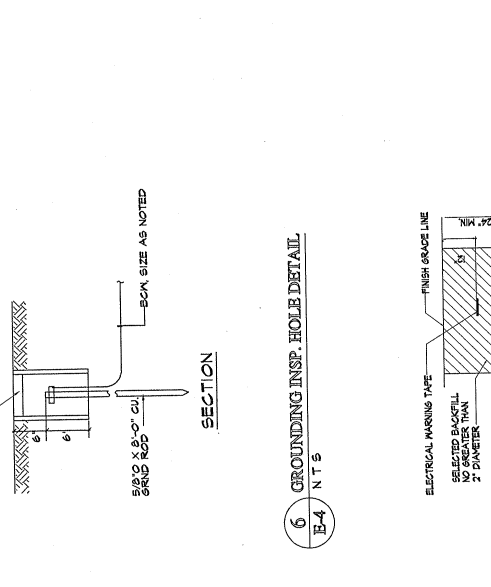
**14 DUCT SECTION**  
E-4 N T S



**6 GROUNDING INSP. HOLE DETAIL**  
E-4 N T S

SECTION

NOTES:  
1. GROUND ALL HARDWARES IN THE HANDHOLE.  
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.  
3. AREA OF CONDUIT DISTANCES SHOULD BE 6" MIN. FROM THE FLOOR SLAB 10" MIN. FROM THE LEFT OR RIGHT SIDE WALL AND 12" MIN. FROM TOP OF THE HANDHOLE.  
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.  
5. 1' X 1' X 2' HANDHOLE SHALL BE SIMILAR EXCEPT DIMENSION.  
6. HANDHOLE COVER SHALL ALL BE MARKED 'ELECTRIC'.



**15 DUCT SECTION**  
E-4 N T S

**BILL OF MATERIALS**

ITEM	DESCRIPTION
1	5/8" DIA. X 5'-0" LONG COPPER WELD GROUND ROD.
2	5/8" DIA. COPPER GROUND ROD CLAMP.
3	3/4" DIA. MAX. GRAVEL SIZE FILL TO FINISH FLOOR.
4	#4 REBAR @ 10" O.C. VERTICAL.
5	#4 REBAR @ 10" O.C. HORIZONTAL.
6	#6 COPPER WIRE (SOLID) FOR GROUNDING HARDWARES.
7	CONDUIT WITH END BELL 6" FROM FLOOR SLAB, SIZE AND QUANTITY IS REQUIRED.
8	FILLING IRON 7/8" DIA. (GALV.) OPPOSITE END OF EACH CONDUIT ENTRANCE.
9	3" X 3" X 1/4" ANGLE IRON HOT DIP GALV. ALL AROUND CONDUIT ENTRANCE.
10	3/8" DIA. STEEL ROD WELDED TO FRAME EVERY 12" O.C.
11	6" THK. CONCRETE MALL & FLOOR SLAB @ 2500 PSI.

NOTES:  
1. GROUND ALL HARDWARES IN THE HANDHOLE.  
2. TOP OF THE HANDHOLE SHOULD BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE ALLOW 2" CLEARANCE FROM REGULAR GROUND SURFACE.  
3. AREA OF CONDUIT DISTANCES SHOULD BE 6" MIN. FROM THE FLOOR SLAB 10" MIN. FROM THE LEFT OR RIGHT SIDE WALL AND 12" MIN. FROM TOP OF THE HANDHOLE.  
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.  
5. 1' X 1' X 2' HANDHOLE SHALL BE SIMILAR EXCEPT DIMENSION.  
6. HANDHOLE COVER SHALL ALL BE MARKED 'ELECTRIC'.

AGANA CATHEDRAL BASILICA  
ELECTRICAL SITE RENOVATION  
GUAM

REVISIONS BY  
 Δ ADD TEST SWITCH BOX AND W/44  
 Δ CELESTED PREPARED AND 10/24/14  
 Δ ADD NOTE #8 ASD 10/24/14

DATE: AUGUST 5, 2014  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

**BILL OF MATERIALS**

ITEM	DESCRIPTION
1	RISER POLE (CONCRETE) LENGTH AS REQUIRED.
2	ELECTRICAL ALUMINUM CONDUIT, QUANTITY & LENGTH AS REQ'D.
3	ELECTRICAL PVC CONDUIT, SCHED. 40, QTY., LENGTH AS REQ'D.
4	ELECTRICAL PVC COUPLING, SCHED. 40, QTY., AS REQ'D.
5	ELECTRICAL PVC ADAPTER, SCHED. 40, QTY., AS REQ'D.
6	ELECTRICAL RIGID CONDUIT BUSHING, GALV. 4 DIA. QTY., AS REQ'D.
7	1/2" BOLT 1/2" DIA. GALV. NUT & WASHER SHAPE TO BE FIT & SNUG.
8	MINIMUM QUANTITY AS REQUIRED.
9	CONDUIT CLAMP, NUTS AND BOLTS, SIZES AS REQUIRED.
10	5/8" DIA. X 5 FT. COPPER GROUND ROD, QUANTITY AS REQUIRED.
11	5/8" DIA. COPPER GROUND ROD CLAMP, QUANTITY AS REQUIRED.
12	#4 COPPER GROUND WIRE, LENGTH AS REQUIRED.
13	GROUND CLAMP, QUANTITY AS REQUIRED.
14	3" THICK CONCRETE ENVELOPE AROUND CONDUIT.

NOTES:  
1. USE REQUIRED CONDUIT BANK SIZE AND QUANTITY.  
2. THE CONDUIT RISER SHALL BE APPROXIMATELY 50' UP THE POLE SIZE OF CONDUIT AND CONDUIT ACCESSORIES TO BE DETERMINED BY SPA ENGINEERING.  
3. THE RIGID CONDUIT SHALL BE GROUNDED AND CONNECTED TO THE GROUND ROD.  
4. RISER CONDUIT SHALL BE PROVIDED WITH FULL WIRE A NYLON ROPE OF 10 LBS. TENSILE STRENGTH AND THE CONDUIT END SHALL BE CAPPED.



REVISIONS	BY



THIS WORK WAS PREPARED BY ME AS THE REGISTERED PROFESSIONAL ENGINEER IN CHARGE OF THE PROJECT.  
**ATVELLAVO ASSOCIATES, INC.**  
**AUGUSTO S. ATVELLAVO, P.E., M.A.S.E.**

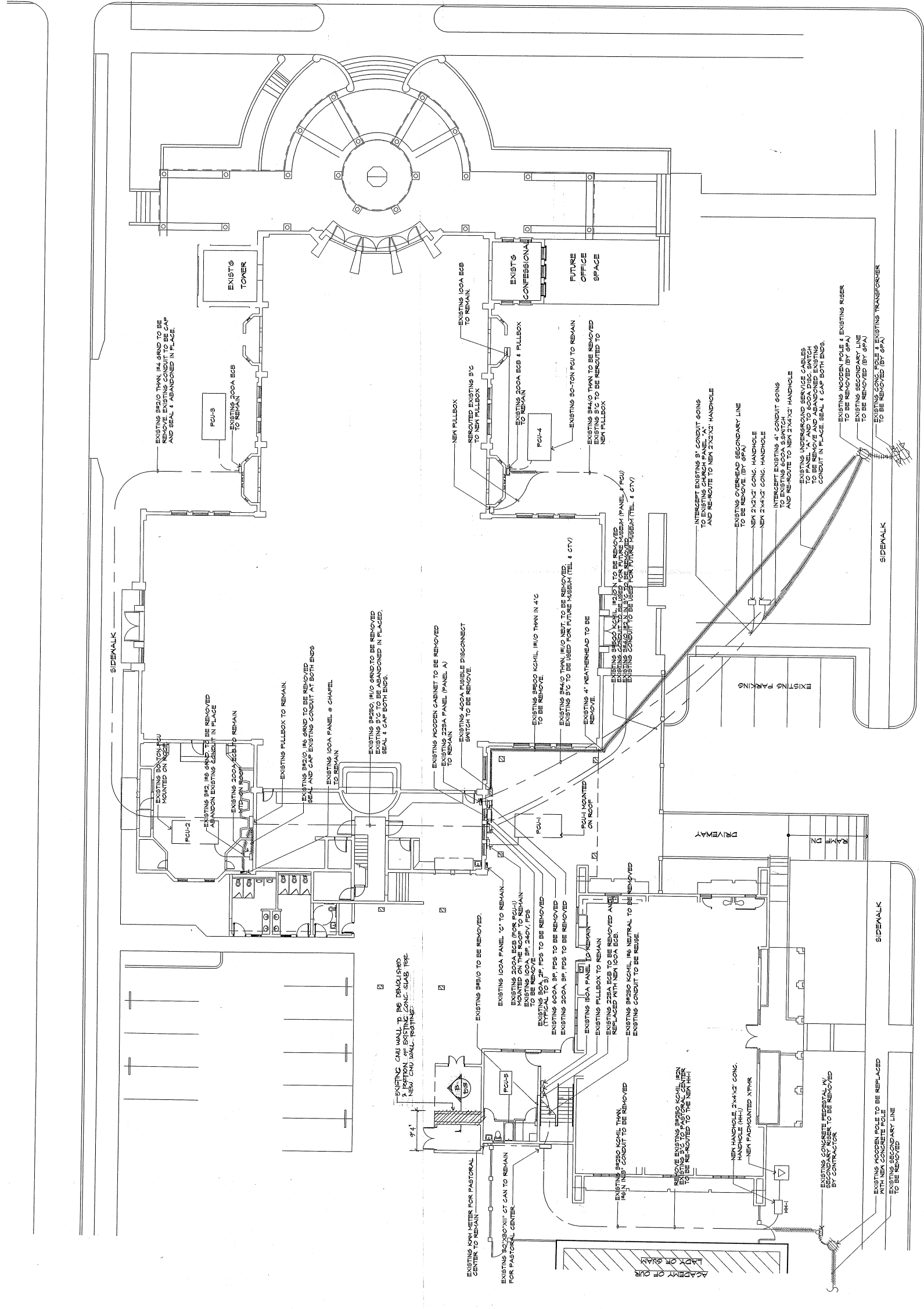
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Design: ASD  
 Drawn: JOC/PSS  
 Checked: ASD  
 Supv.: ASD  
 Scale: 1" = 10'-0"  
 Date: JULY 11, 1999  
 Job:  
 Drawing No: 105  
 CAD File: ACES  
 Sheet No: 6 of 6

PLAN SANTO PAPA



0 5 10 20  
 ELECTRICAL DEMOLITION PLAN  
 SCALE: 1" = 10'-0"



ARCHBISHOP FLORES STREET

**2) ELECTRICAL DEMOLITION PLAN**  
 Scale: 1" = 10'-0"

CIVIL:

STRUCTURAL:

MECHANICAL:

LEA & ASSOCIATES  
 CONSULTING ENGINEERS  
 1000 GARDEN DRIVE, SUITE 100  
 HONOLULU, HAWAII 96813  
 PHONE: (813) 251-2441

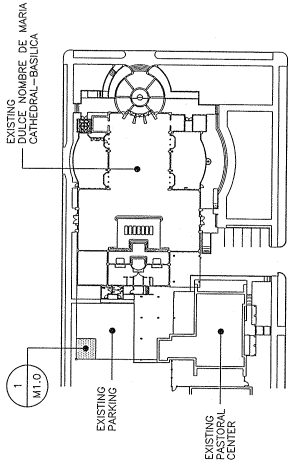
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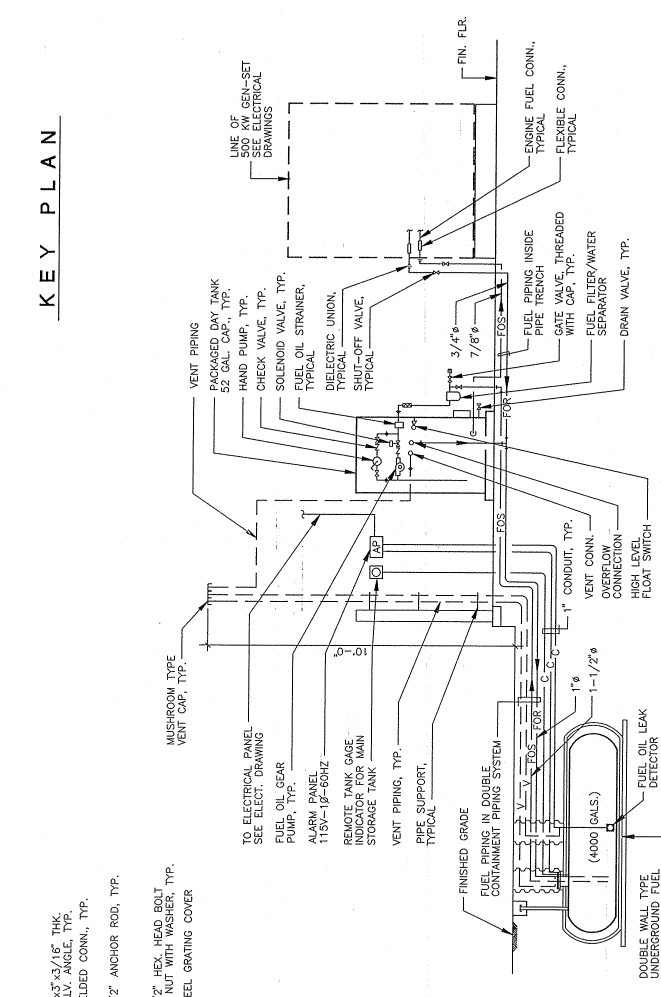
JOB NO. 9-16-96  
 REVISED FUEL TANK CAPACITY

DESIGNED BY: LRA/MPN  
 DRAWN BY: MPN/AMZ  
 CHECKED BY: LRA  
 SUPERVISOR BY: LRA  
 DRAWING NO. SUB-OUTDOOR  
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 DATE: 9/16/96  
 EDP FILE: ACB-MIO

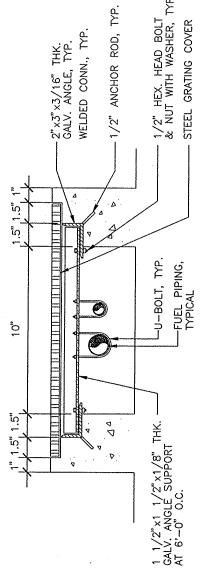
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 GENERATOR FUEL PIPING PLAN  
 UNDERGROUND TANK DETAIL  
 DAYTANK SPILL CONTAINMENT SUMP DETAIL  
 OIL PIPING SYSTEM DIAGRAM  
 DETAIL, PIPE TRENCH DETAIL



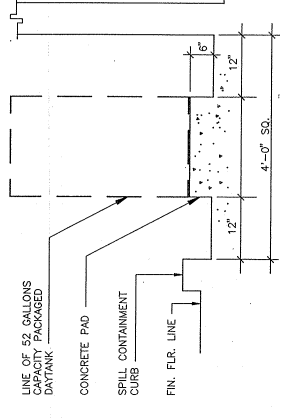
**KEY PLAN**



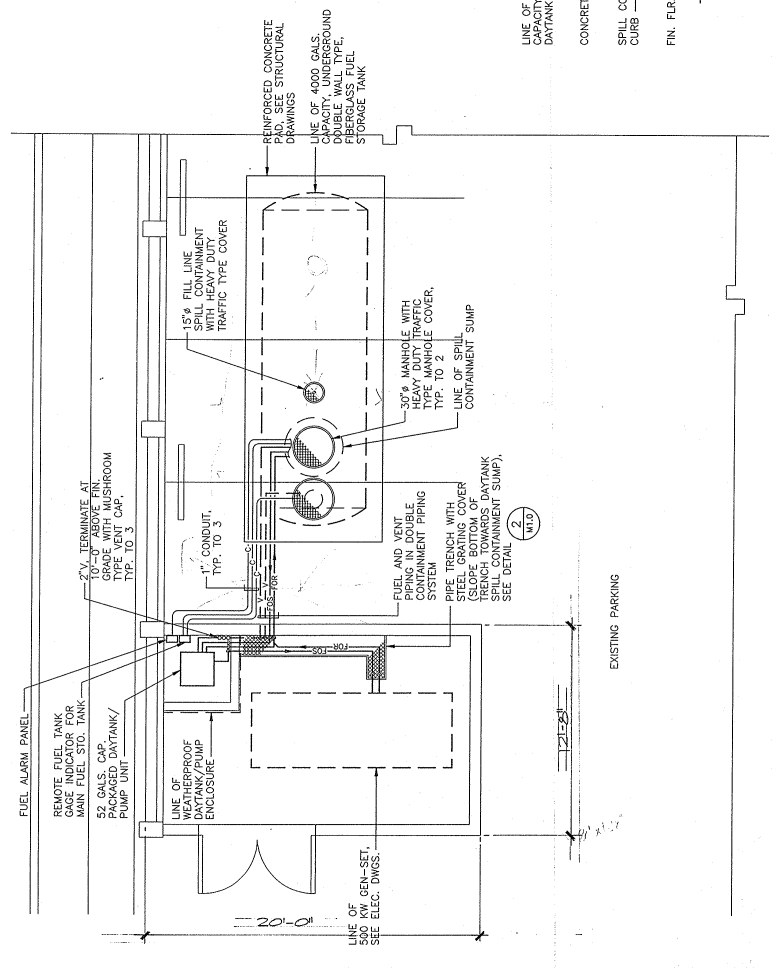
**4 GENERATOR FUEL OIL PIPING SYSTEM DIAGRAM**  
 M1.0 N.T.S.



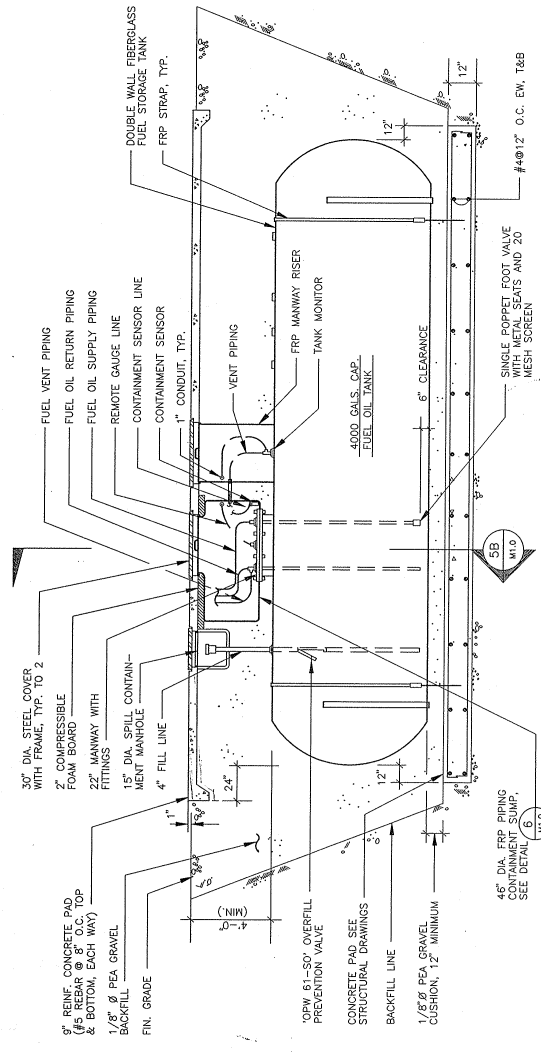
**2 PIPE TRENCH DETAIL**  
 M1.0 N.T.S.



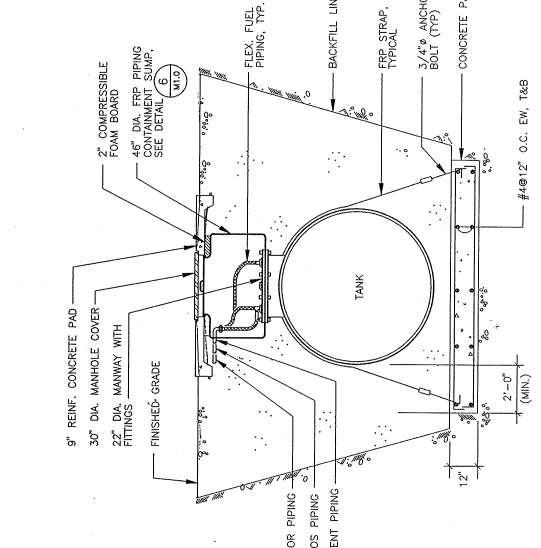
**3 DAYTANK SPILL CONTAINMENT SUMP DETAIL**  
 M1.0 N.T.S.



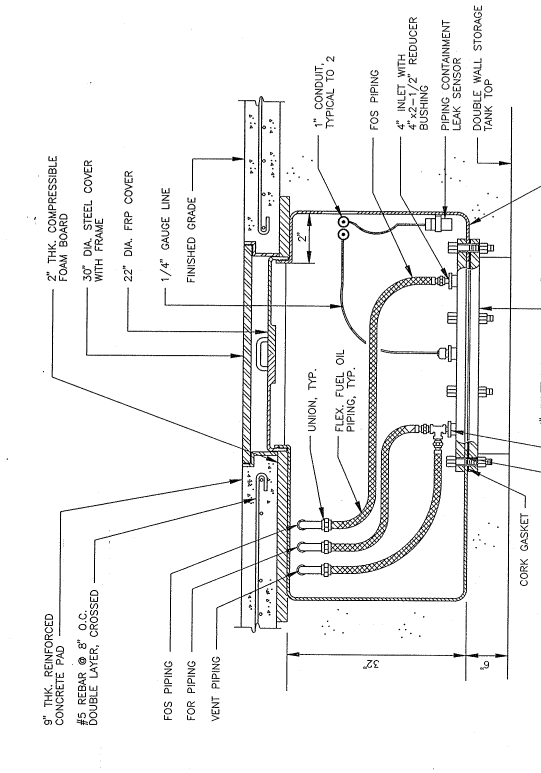
**1 GENERATOR FUEL PIPING PLAN**  
 SCALE: 1/4" = 1'-0"



**5A LONGITUDINAL ELEVATION**  
 M1.0



**5B SECTION**  
 M1.0



**6 PIPING CONTAINMENT SUMP DETAIL**  
 M1.0 N.T.S.

**5 UNDERGROUND TANK DETAIL**  
 M1.0 N.T.S.

- NOTES:**
1. LIST PLAN SHALL MEET THE TANK AND PIPING SPECIFICATIONS OR INSTALLATION PRACTICES AND PROCEDURES OF API PUBLICATION 1616 OR PUBLICATION RP120.
  2. CONTRACTOR MUST COMPLY WITH THE GUAM EPA'S LIST INSPECTION REQUIREMENTS.
  3. INSTALL FUEL PIPING WITH A MINIMUM SLOPE OF 1/8" PER FOOT TOWARDS THE FUEL TANK.
  4. PROVIDE 30-50 YEAR SILICONE CAULK ON BOTH SIDES OF FIBERGLASS.
  5. COAT INSIDE AND OUTSIDE OF BOLT/HOLE AND BOLTS WITH 30-50 YEAR SILICONE CAULK.



**MCL**

Marvin Chichabal Lomas  
ARCHITECTURE PLANNING  
612 Harmon Loop Road  
Agaña, Guam 96911  
TEL (671) 852-4567 FAX (671) 852-4565  
GUAM

CIVIL:

STRUCTURAL:

MECHANICAL:  
LRA & ASSOCIATES  
P.O. Box 9177  
Dededo, Guam 96912

ELECTRICAL:  
A.S. DELGADO &  
ASSOCIATES  
P.O. Box 98910  
Agaña, Guam 96910  
LANDSCAPE:

WINDOWS/GLAZING AND  
STOREFRONT REPLACEMENT FOR  
DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA  
AGAÑA, GUAM



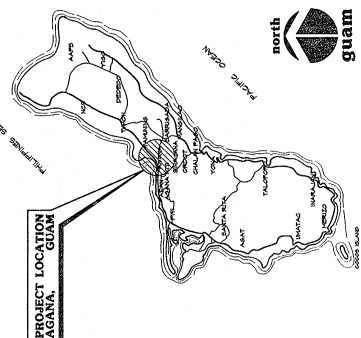
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DRAWN BY: KM  
CHECKED BY: ATL/EAC  
SUPERSEDED BY: ATL/EAC  
DRAWING NO.: 92P-0302P  
JOB NO.: 221-09

DATE: MAY 1997  
SCALE: 1/8" = 1'-0"

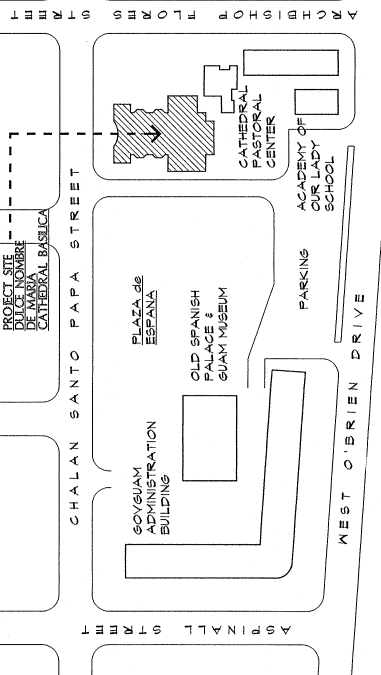
# WINDOWS/GLAZING & STOREFRONT REPLACEMENT FOR

## DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA AGAÑA, GUAM

### PROJECT LOCATION



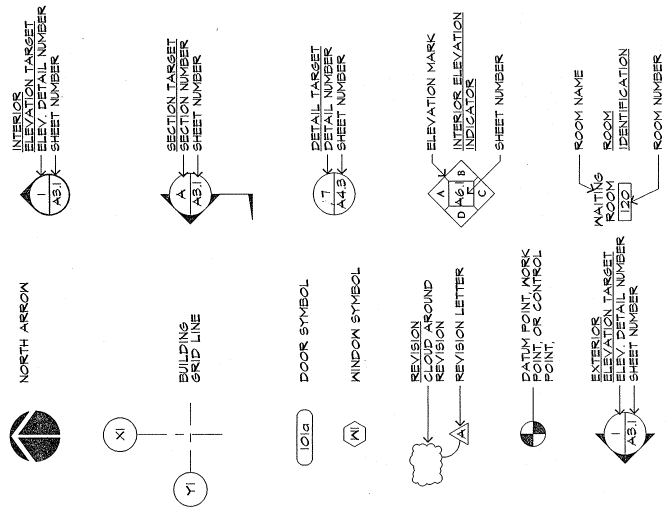
### VICINITY MAP



### INDEX OF DRAWINGS

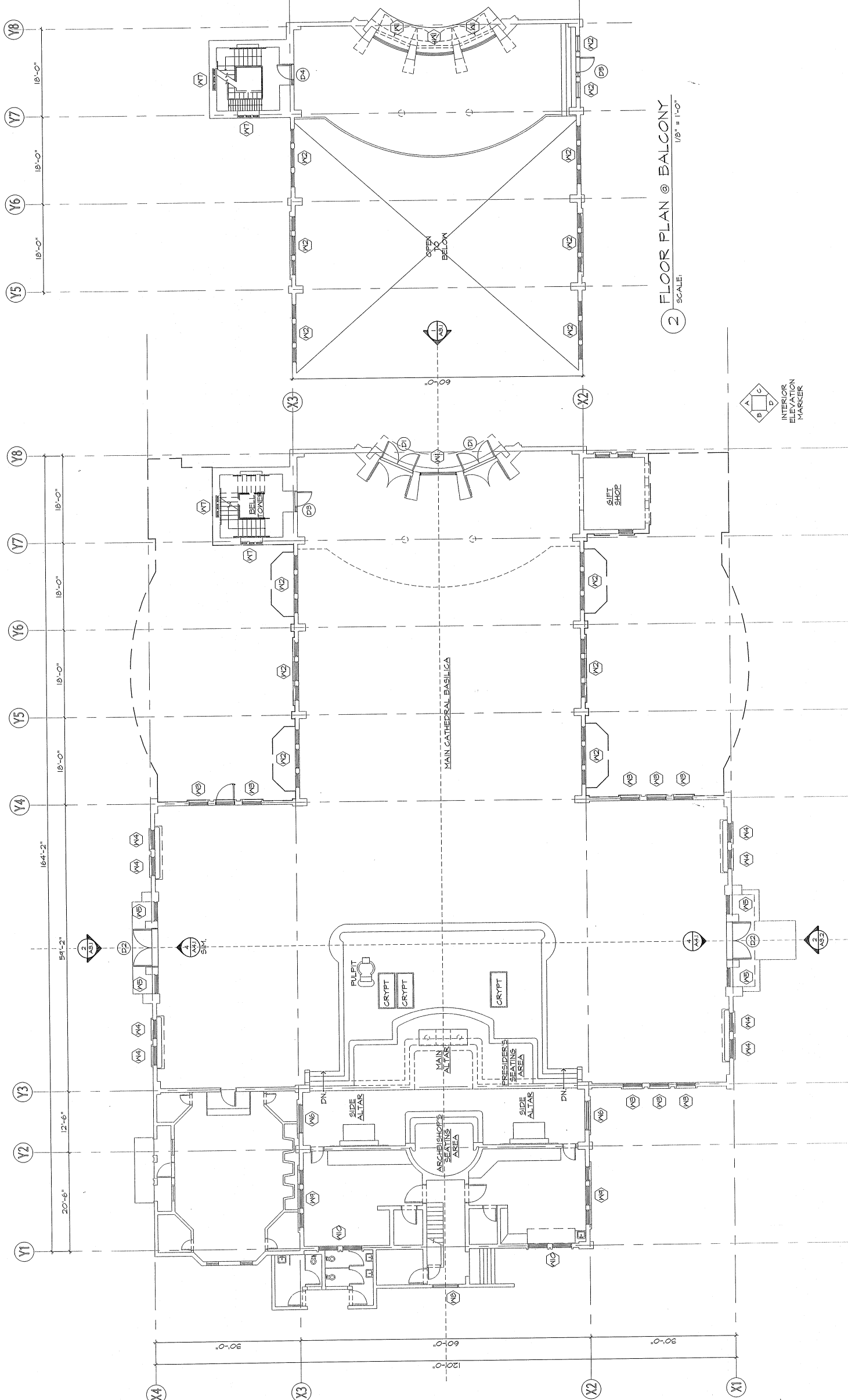
DWG NO.	DESCRIPTION	DWG NO.	DESCRIPTION
T 11	GENERAL COVER SHEET, PROJECT TITLE, LOCATION AND VICINITY MAPS, INDEX OF DRAWINGS, ARCHITECTURAL SYMBOLS, AND GENERAL NOTES	M 10	MECHANICAL
A-1	NEW FLOOR PLAN	E - 1	ELECTRICAL
A-2	NORTH AND WEST ELEVATIONS (REMOVAL)	E - 2	
A-3	SOUTH AND EAST ELEVATIONS (REMOVAL)	E - 3	
A-4	INTERIOR ELEVATIONS (REMOVAL)		
A-5	DOOR AND WINDOW TYPES		
A-6	DOOR AND WINDOW SCHEDULE		
A-7	DOOR AND WINDOW DETAILS WINDOW DETAILS		

### ARCHITECTURAL SYMBOLS



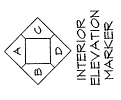
### GENERAL NOTES

- I. CODE INFORMATION
  - A. LISTED BELOW ARE THE CODES USED IN THE DESIGN OF THIS PROJECT:
    - 1. UNIFORM BUILDING CODE 1994 ED
    - 2. UNIFORM MECHANICAL CODE 1994 ED
    - 3. UNIFORM ELECTRICAL CODE 1994 ED
    - 4. NFPA 101 LIFE SAFETY CODE 1994 ED
    - 5. ADA HANDBOOK
  - B. TYPE OF CONSTRUCTION: TYPE II - FIRE RESISTANCE
  - C. OCCUPANCY CLASSIFICATION: B-2
- II. DIMENSION SYSTEM
  - A. DIMENSIONS, UNLESS NOTED OTHERWISE, ARE GIVEN IN:
    - 1. GRID LINE
    - 2. WALL FINISH
    - 3. FACE OF CONCRETE OR MASONRY
    - 4. FACE OF PARTITION
  - B. ALL DIMENSIONS ARE IN FEET AND INCHES.
  - C. TO MAINTAIN PROPER ALIGNMENT OF FINISH FACE OF ADJACENT WALLS, DIMENSIONS ARE SHOWN IN ORDER OF THE FOLLOWING PRIORITY:
    1. ARCHITECTURAL DRAWINGS
    2. STRUCTURAL DRAWINGS
  - D. AT DOOR JAMBS, WALLS PERPENDICULAR TO DOOR OPENINGS ARE POSITIONED BY THE DIMENSION ON THE DETAIL UNLESS OTHERWISE LOCATED BY DIMENSION ON DETAIL.
  - E. ALL DOOR AND WINDOW OPENINGS SHALL BE BASED UPON SCHEDULED DOOR/WINDOW SIZE AND SPECIFIC DETAILS.
  - F. USE APPROPRIATE DIMENSION POINTS ESTABLISHED ON DETAILS WHEN NECESSARY.
- III. MISCELLANEOUS
  - A. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE COMMENCING WORK.
  - B. DRAWING PLANS SHOWN WERE BASED ON AVAILABLE AS-BUILT DRAWINGS. IF ACTUAL FIELD CONDITIONS DIFFER FROM DRAWINGS, ADJUSTMENTS SHALL BE MADE NECESSARY WITHOUT ADDITIONAL COST TO THE OWNER.



**2 FLOOR PLAN @ BALCONY**  
 SCALE: 1/8" = 1'-0"

**1 FLOOR PLAN (GROUND LEVEL)**  
 SCALE: 1/8" = 1'-0"





CIVIL:

STRUCTURAL:

MECHANICAL:

**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 96912

ELECTRICAL:

**A.S. DELGADO & ASSOCIATES**  
P.O. Box 9691  
Agaña, Guam 96910

LANDSCAPE:

**WINDOWS/GLAZING AND STOREFRONT REPLACEMENT FOR DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA GUAMA, GUAMA**



NO. 148  
MARTIN CRISTOBAL LAGUNA  
REGISTERED PROFESSIONAL ENGINEER  
TERRITORY OF GUAMA

JOB NO. 221-09

DRAWING TITLE:

EXISTING NORTH AND WEST ELEVATIONS

DESIGNED BY: ATL

DRAWN BY: KM

CHECKED BY: JCA/ATL

SUPERVISED BY: ATL/EAC

DRAWING NO. 221-09-02

CATEGORY:

A | 2

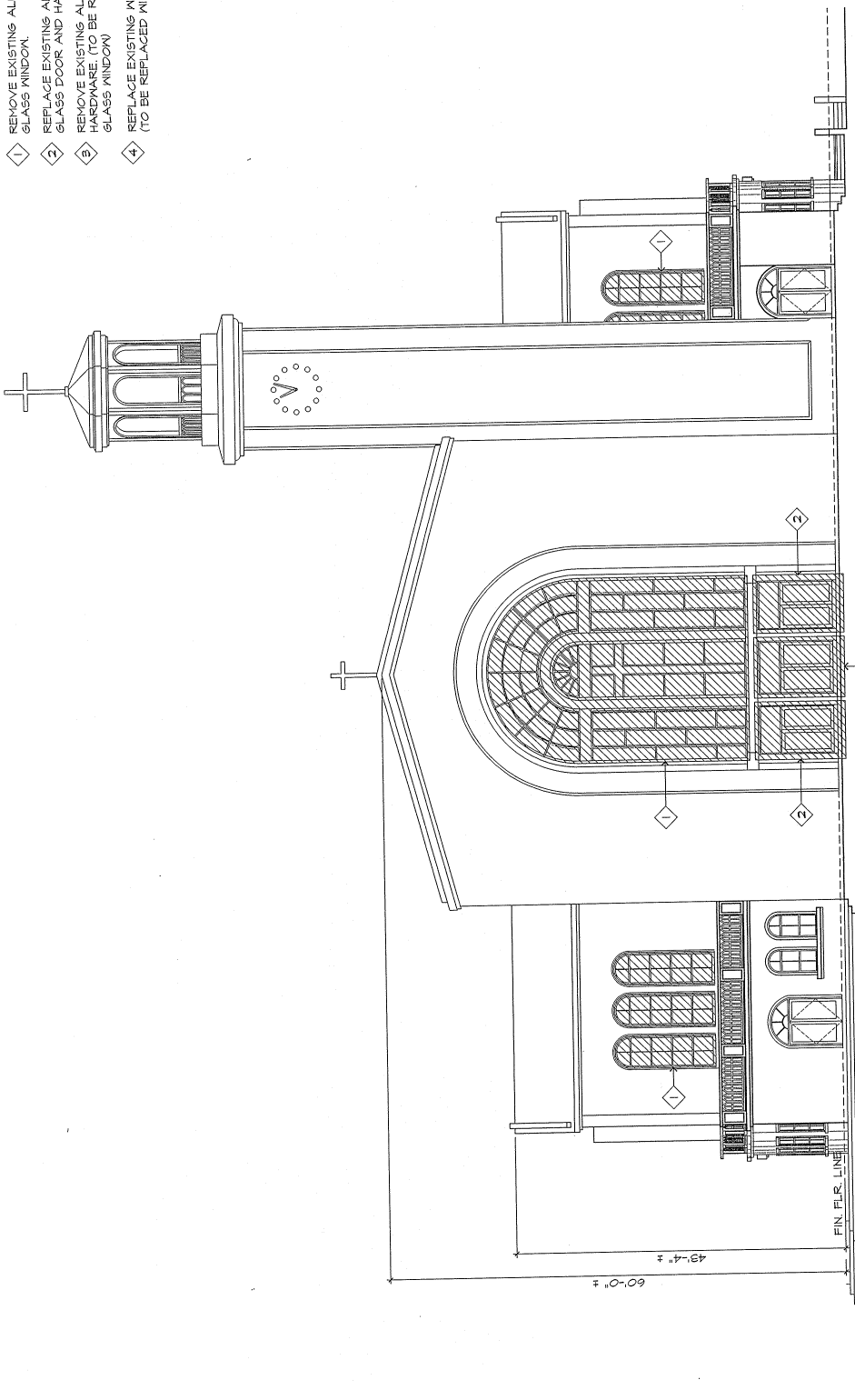
DATE: MAY 1997

DRAWN BY: KM

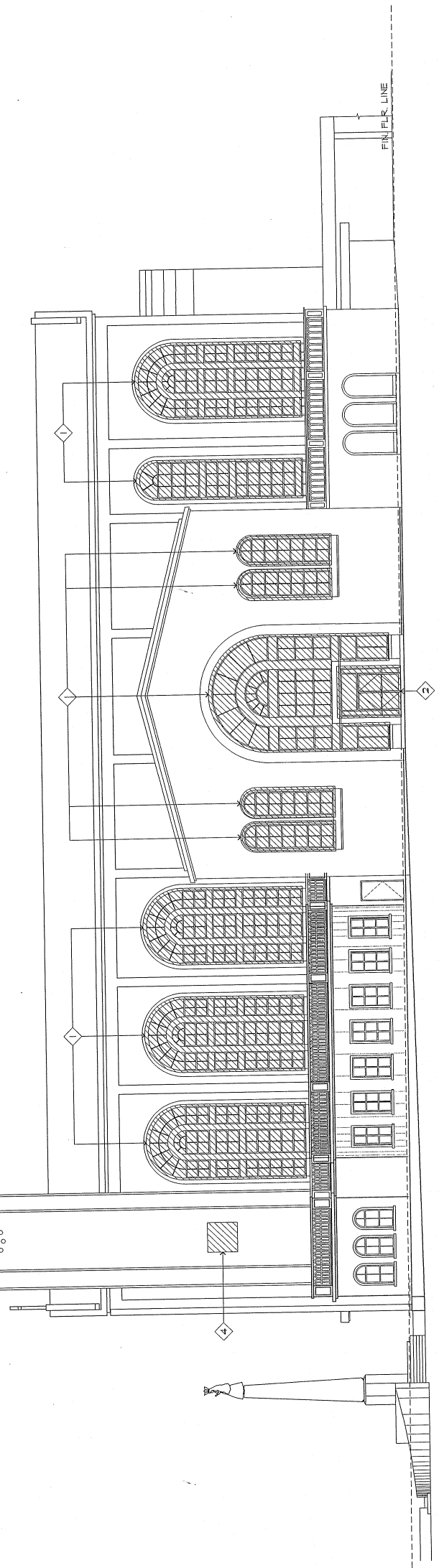
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**DEMOLITION & REMOVAL NOTES:**

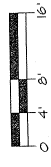
- 1 REMOVE EXISTING ALUMINUM GLASS WINDOW.
- 2 REPLACE EXISTING ALUMINUM GLASS DOOR AND HARDWARE.
- 3 REMOVE EXISTING ALUMINUM GLASS DOOR AND HARDWARE (TO BE REPLACED WITH ALUMINUM GLASS WINDOW)
- 4 REPLACE EXISTING WOOD LOUVER WINDOWS. (TO BE REPLACED WITH ALUMINUM LOUVERS).



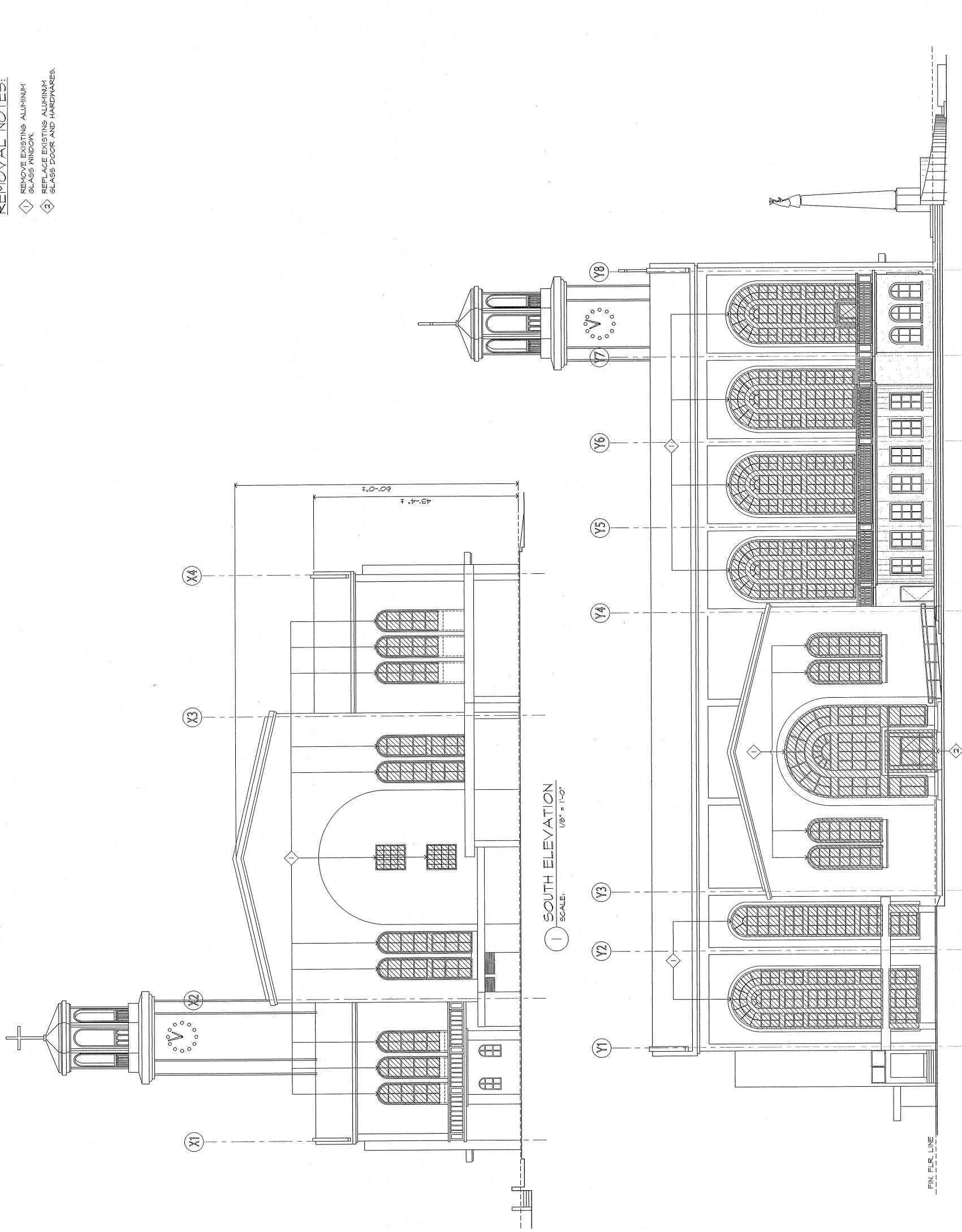
1 NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION  
SCALE: 1/8" = 1'-0"

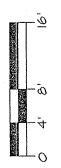


**DEMOLITION & REMOVAL NOTES:**  
 1 REMOVE EXISTING ALUMINUM GLASS WINDOW.  
 2 REPLACE EXISTING ALUMINUM GLASS DOOR AND HARDWARES.



1 SOUTH ELEVATION  
 SCALE: 1/8" = 1'-0"

2 EAST ELEVATION  
 SCALE: 1/8" = 1'-0"

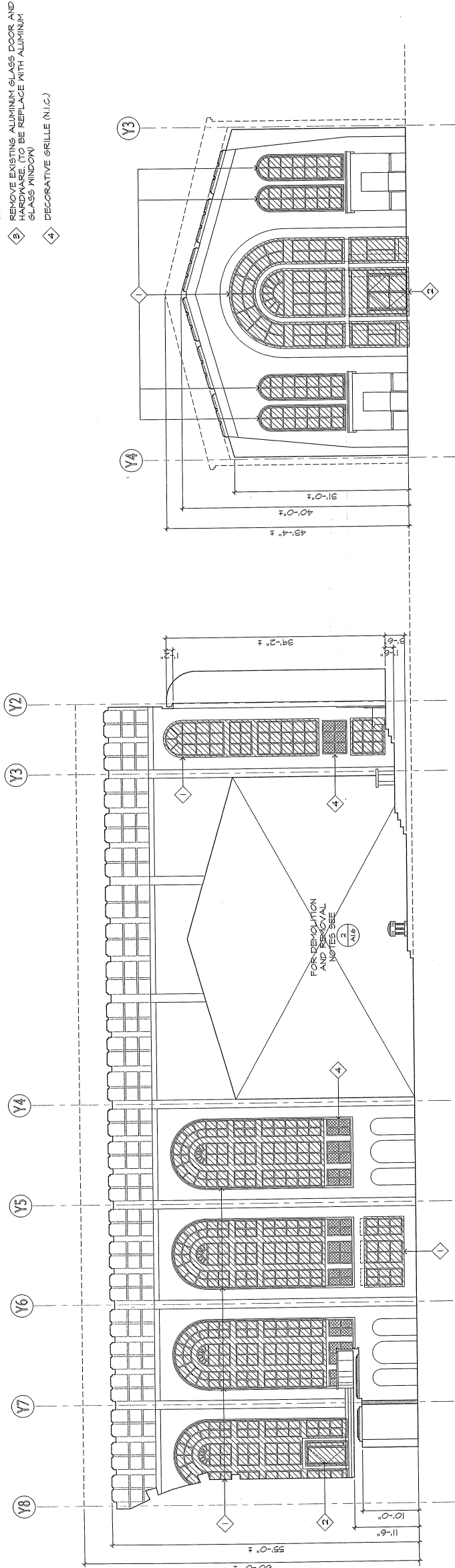






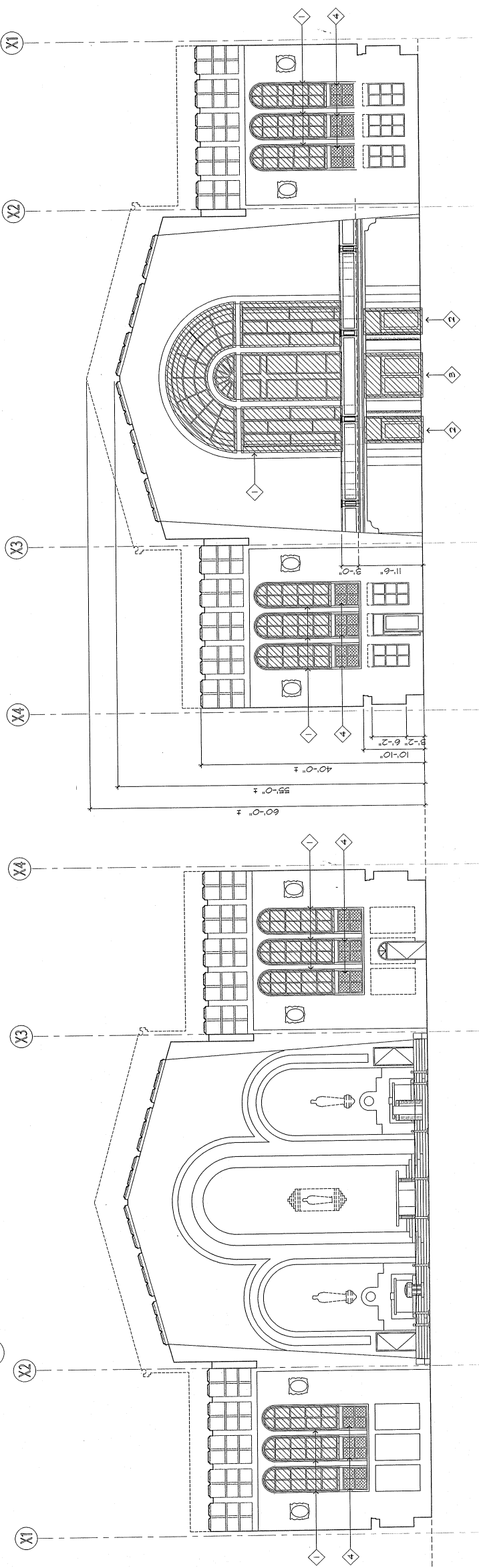
**DEMOLITION & REMOVAL NOTES:**

- 1 REPLACE EXISTING ALUMINUM GLASS WINDOWS.
- 2 REPLACE EXISTING ALUMINUM GLASS DOOR AND HARDWARE.
- 3 REMOVE EXISTING ALUMINUM GLASS DOOR AND HARDWARE (TO BE REPLACE WITH ALUMINUM GLASS WINDOW).
- 4 DECORATIVE GRILLE (N.I.C.)



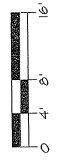
1 WEST INTERIOR ELEVATION (TYPICAL TO EAST ELEVATION)  
 SCALE: 1/8" = 1'-0"

2 WEST INTERIOR ELEVATION @ TRANSEPT (TYPICAL TO EAST ELEVATION)  
 SCALE: 1/8" = 1'-0"



3 SOUTH INTERIOR ELEVATION  
 SCALE: 1/8" = 1'-0"

4 NORTH INTERIOR ELEVATION  
 SCALE: 1/8" = 1'-0"







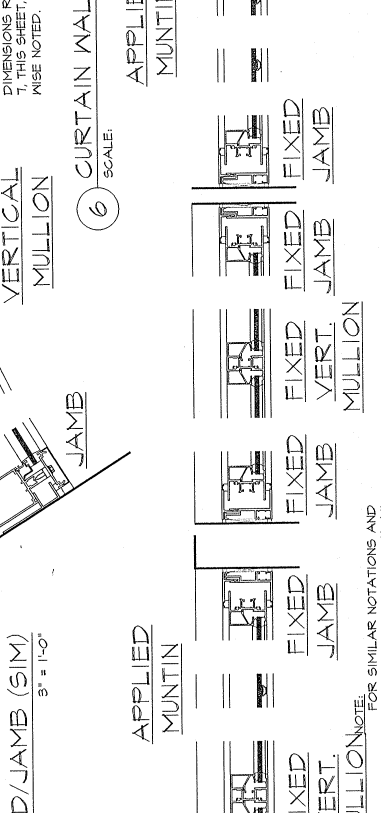
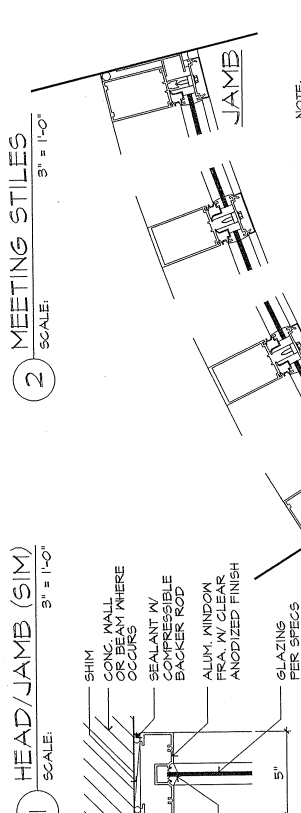
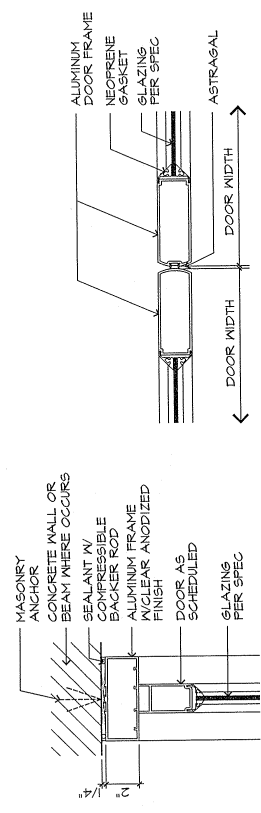
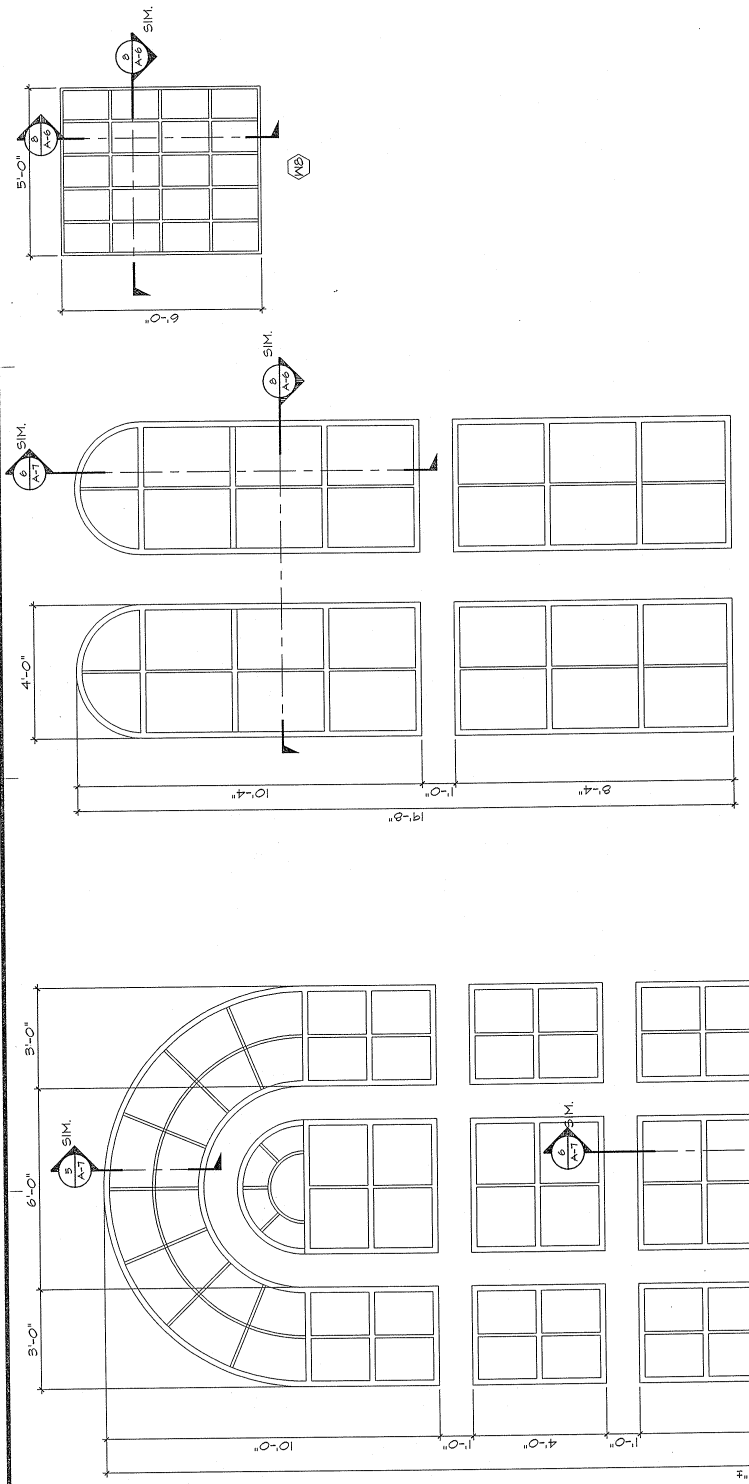


**DOOR SCHEDULE**

DOOR MARK	DOOR TYPE	DOOR SIZE		DOOR CONSTRUCTION	DOOR FRAME	DOOR FINISH	VISION GROUP	REMARKS
		WIDTH	HEIGHT					
D1	A	5'-4"	9'-10"	1-3/4" AL/BL CLEAR ANOD.	ALUM.	CLEAR ANOD.		N/S SIDELIGHT
D2	B	5'-4"	9'-10"	PAIR				
D3	C	2'-0"	6'-8"	PAIR				N/S SIDELIGHT
D4	C	3'-0"	6'-8"	PAIR				N/S SIDELIGHT
D5	D	5'-0"	6'-8"					

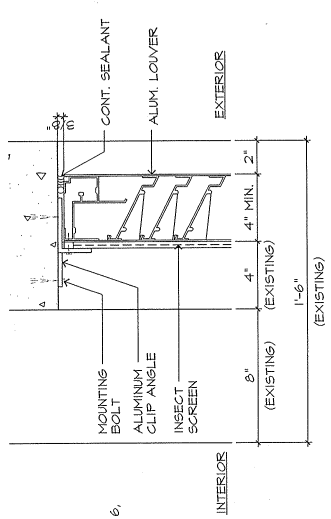
**WINDOW SCHEDULE**

WINDOW MARK	WINDOW SIZE		FRAME MATERIAL	GLASS THK.	TYPE	REMARKS
	WIDTH	HEIGHT				
M1	SEE A-5	SEE A-5	ALUM.		AS PER SPECS.	ABLE TO WITHSTAND 150 MPH WINDS
M2						
M3						
M4						
M5						
M6						
M7	12" EA.	4'-0"	ALUM.		AS PER SPECS.	FIXED WINDOW
M8	SEE A-6	SEE A-6	ALUM.		AS PER SPECS.	ABLE TO WITHSTAND 150 MPH WINDS
M9						
M10						

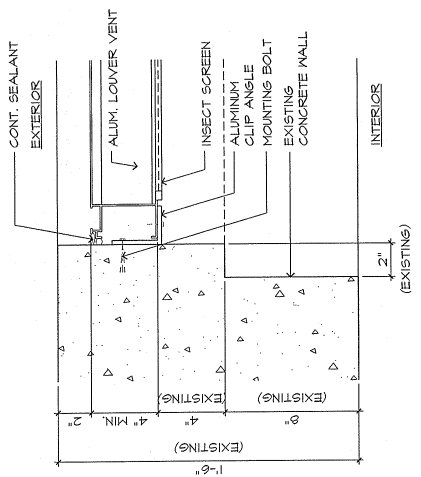


NOTE: FOR SIMILAR NOTATIONS AND DIMENSIONS REFER TO DETAIL 1, THIS SHEET, UNLESS OTHERWISE NOTED.

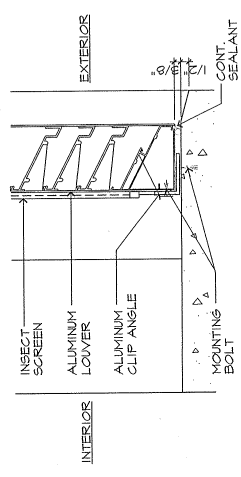




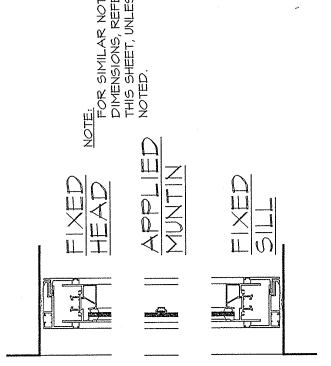
7 HEAD (FIXED LOUVER)  
 SCALE: 3" = 1'-0"



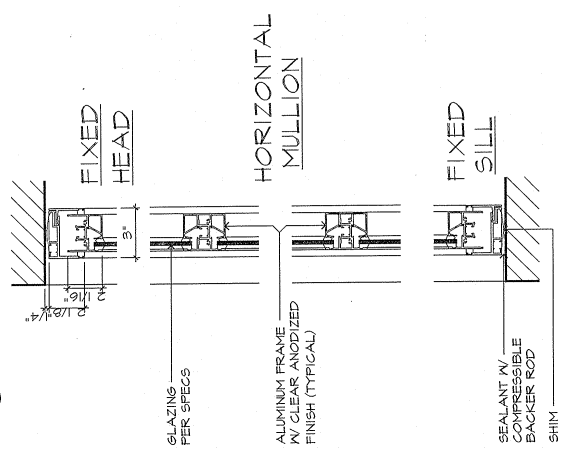
8 JAMB (FIXED LOUVER)  
 SCALE: 3" = 1'-0"



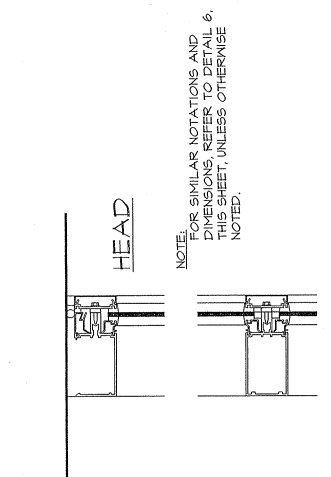
9 SILL (FIXED LOUVER)  
 SCALE: 3" = 1'-0"



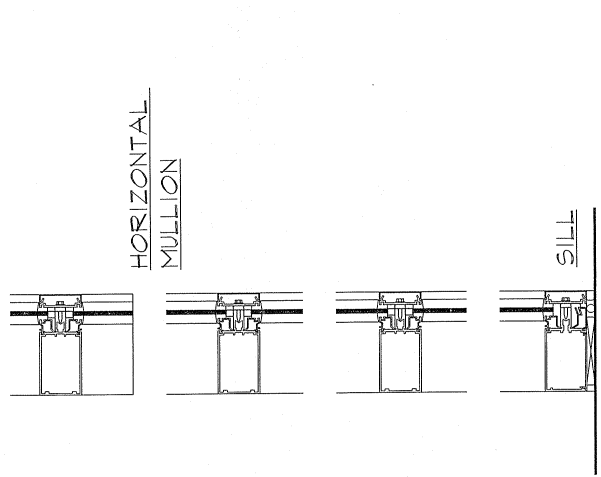
5 FIXED WINDOW DETAIL  
 SCALE: 3" = 1'-0"



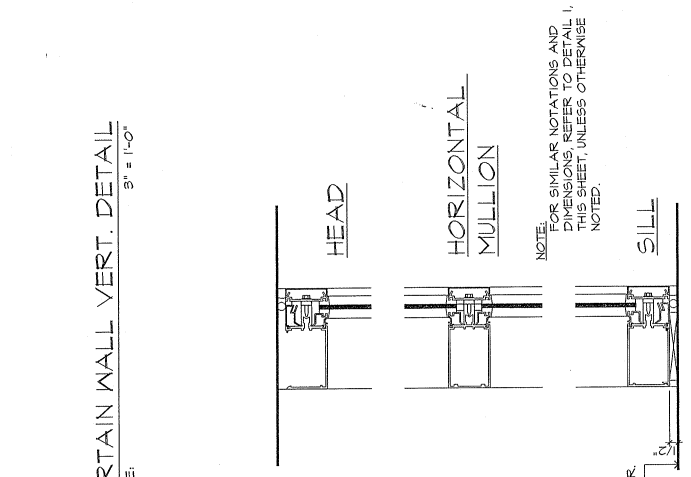
6 FIXED WINDOW DETAIL  
 SCALE: 3" = 1'-0"



1 CURTAIN WALL VERT. DETAIL  
 SCALE: 3" = 1'-0"



2 CURTAIN WALL VERT. DETAIL  
 SCALE: 3" = 1'-0"



3 CURTAIN WALL VERT. DETAIL  
 SCALE: 3" = 1'-0"



4 CURTAIN WALL VERT. DETAIL  
 SCALE: 3" = 1'-0"

NOTE:  
 FOR SIMILAR NOTATIONS AND  
 DIMENSIONS, REFER TO DETAIL 6,  
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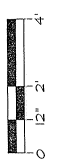
FIXED HEAD  
 APPLIED MUNTIN  
 FIXED SILL

NOTE:  
 FOR SIMILAR NOTATIONS AND  
 DIMENSIONS, REFER TO DETAIL 6,  
 THIS SHEET, UNLESS OTHERWISE  
 NOTED.

HEAD  
 HORIZONTAL MULLION  
 SILL

NOTE:  
 FOR SIMILAR NOTATIONS AND  
 DIMENSIONS, REFER TO DETAIL 1,  
 THIS SHEET, UNLESS OTHERWISE  
 NOTED.

HEAD  
 HORIZONTAL MULLION  
 SILL





**MCL**

Merito Cristóbal Laguna  
ARCHITECTURE PLANNING  
315 Barron Long Road  
Agaña, Guam 96910  
TEL: (671) 685-4512 FAX: (671) 685-4503  
GUAM

**CIVIL:**  
**J.M. AQUINO, PE**  
Julius Shopping Center, Suite 2  
Agaña, Guam 96910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julius Shopping Center, Suite 2  
Agaña, Guam 96910

**MECHANICAL:**  
**LEA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 96912

**ELECTRICAL:**  
**AS. DELGADO &  
M. COLLINS**  
P.O. Box 3188  
Agaña, Guam 96910

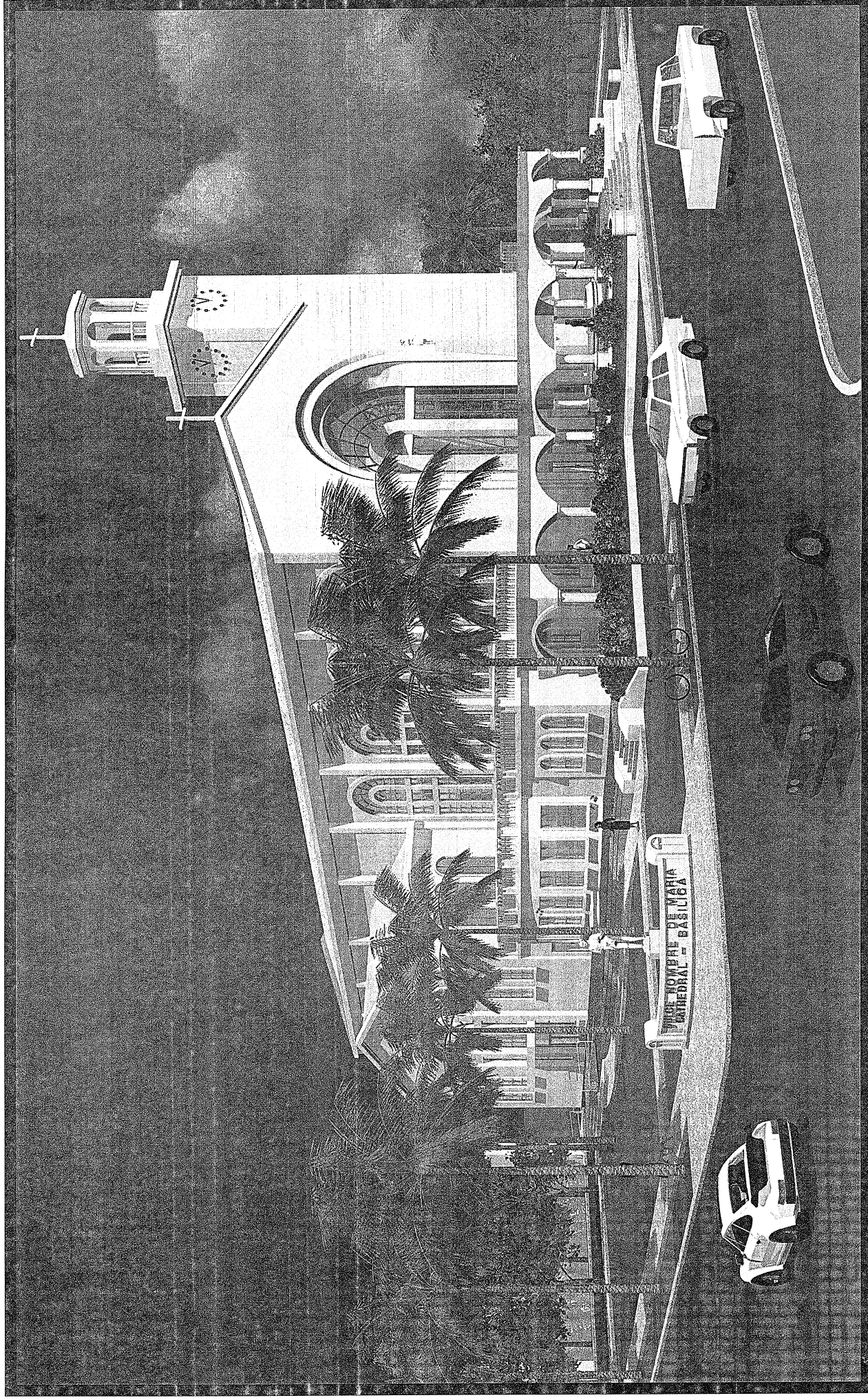
**LANDSCAPE:**  
**BELT COLLINS**  
414 W. Salsodad Avenue  
Agaña, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA  
AGAÑA, GUAM



DESIGNED BY: MCL  
DRAWN BY: MCL  
CHECKED BY: MCL  
SUPERVISED BY: MCL  
CATEGORY: 201-03/04/05  
JOB NO. 221-02

DRAWING TITLE:	
TITLE SHEET	
PERSPECTIVE	
DRAWING	
DESIGNED BY:	ATL
DRAWN BY:	KMLCA
CHECKED BY:	ATL/JCA
SUPERVISED BY:	ATL/JCA
TRAINING NO.:	201-03/04/05
CATEGORY:	
FILES:	4-21-96
FINAL:	
DATE:	
SCALE:	
SHEET NO.:	1
TOTAL SHEETS:	1



# MUSEUM AND CONFERENCE CENTER ADDITIONS TO

## DULCE NOMBRE DE MARIA CATHEDRAL - BASILICA

AGAÑA, GUAM

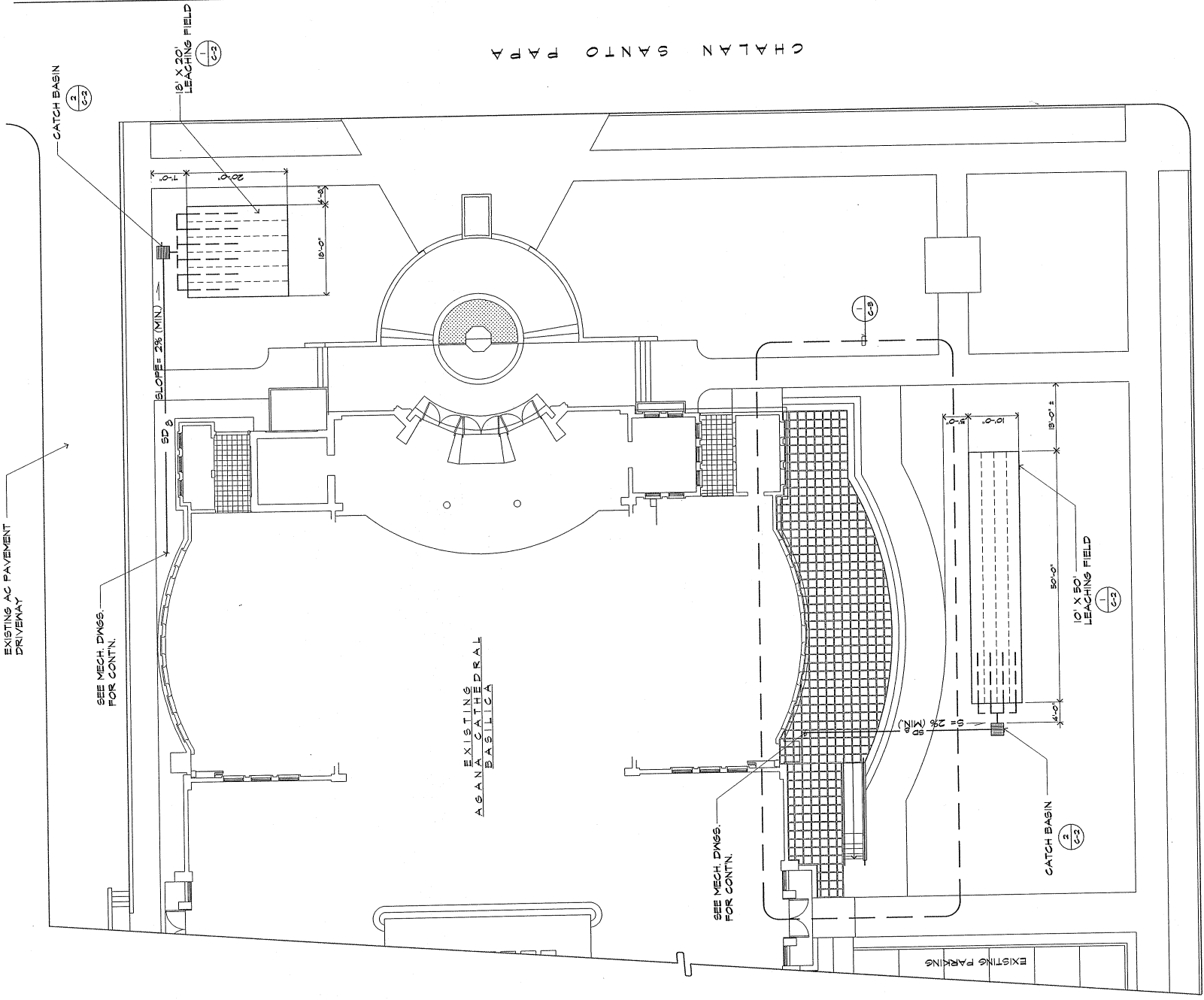






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DRAWN BY: JC  
CHECKED BY: JA  
SUPERVISED BY: JA  
TRAINING NO.: 0000000000  
SUB-CATEGORY: 0000000000  
JOB NO. 221-02

DESIGNED BY:	JA
DRAWN BY:	JC
CHECKED BY:	JA
SUPERVISED BY:	JA
TRAINING NO.:	0000000000
SUB-CATEGORY:	0000000000
DATE:	4-14-16
SCALE:	AS SHOWN
DRAWING TITLE:	GENERAL NOTES DRAINAGE NOTES DRAINAGE PLAN
PROJECT NO.:	221-02
SHEET NO.:	1



**GENERAL NOTES:**

1. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE LOCAL LAWS, CODES, ORDINANCES, AND OTHER REGULATIONS OF THE GOVERNMENT OF GUAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH PERMIT/INSPECTION REQUIREMENTS.
2. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREA FREE FROM DUST/NUISANCE. THE WORK SHALL BE IN ACCORDANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE GUAM ENVIRONMENTAL PROTECTION AGENCY (GEPA). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING AND REMOVAL OF ALL SILT AND DEBRIS GENERATED, DEPOSITED, AND ACCUMULATED WITHIN THE DOWNSIDE OF THE ROAD CHANNEL OR ANY WATERWAYS.
3. ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION, AND DAMAGES TO THEM SHALL BE REPAIRED IMMEDIATELY AND SHALL BE PAID BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOT ENTER UPON ANY PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT FIRST OBTAINING PERMISSION AND SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY, TREES, FENCES, MONUMENTS, UNDERGROUND UTILITIES, ETC. WHEN DAMAGE IS DONE TO PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE.
5. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION OPERATIONS WITH MINIMUM INTERFERENCE TO ROADS, DRIVEWAYS, PARKING AREAS, SIDEWALKS AND OTHER VEHICULAR AND PEDESTRIAN FACILITIES. HE SHALL ASSURE THAT TRAFFIC FLOW IS CONTINUOUS IN ALL DIRECTIONS AT ALL TIMES UNLESS NECESSARY. THE CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ANY PORTION OF STREET, ROAD, OR PRIVATE WAY WITHOUT OBTAINING PERMITS FROM PROPER AUTHORITIES.
6. THE CONTRACTOR SHALL PROVIDE ADEQUATE SANITARY FACILITIES. SUCH FACILITIES SHALL BE MAINTAINED IN SATISFACTORY AND SANITARY CONDITION AT ALL TIMES DURING CONSTRUCTION.
7. THE OWNER SHALL PAY FOR ANY ADDITIONAL WORKS REQUIRED BY THE GOVERNMENT OF GUAM AGENCIES.
8. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK.
9. THE CONTRACTOR SHALL PROVIDE OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER.
10. BEFORE CONSTRUCTION, A SOIL ENGINEER SHALL BE RETAINED BY THE CONTRACTOR TO INVESTIGATE, RECOMMEND, INSPECT AND PERFORM SOIL COMPACTION TEST. ALL REPORTS, TEST RESULTS, AND RECOMMENDATIONS SHALL BE SUBMITTED TO THE ENGINEER. THE OWNER SHALL PAY FOR ALL SOIL TESTS COST.
  - i. DURING NON-WORKING HOURS, ALL TRENCHES SHALL BE COVERED WITH SAFE NON-SKID BRIDGING MATERIALS CAPABLE OF SUPPORTING VEHICULAR TRAFFIC. THE CONTRACTOR SHALL PROVIDE TRAFFIC BARRICADES AND WARNING LIGHTS AROUND EXCAVATION WORK AS REQUIRED.

**DRAINAGE SYSTEM NOTES**

1. ALL MATERIALS FOR STORM SEWER PIPE SHALL BE TRAFFIC-TYPE POLYVINYL CHLORIDE (PVC) CAPABLE OF SUPPORTING HS20 TRAFFIC WITH MINIMUM OF 24" INCHES THICK SOIL COVER.
2. ALL STORM SEWERS WITHIN THE TRAFFIC BEARING LOCATIONS SHALL BE INSTALLED WITH A MINIMUM COVER OF 8 FEET.
3. THE LENGTH OF PIPE SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LENGTH BEFORE INSTALLATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE IN PROTECTING THE TRENCH EXCAVATION AGAINST COLLAPSE. DEMATERING METHODS SHALL BE USED AS REQUIRED TO KEEP OPEN TRENCHES DRY DURING PIPE INSTALLATION.
5. THE INSTALLATION OF DRAINAGE PIPING SHALL BE SUBJECT TO INSPECTION BY THE OWNER'S ENGINEER.
6. THE CONTRACTOR SHALL MAINTAIN AND PROTECT STORM DRAINAGE PIPING FROM MUD, DIRT, DEBRIS, ETC. UNTIL THE FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO CLEAN THE PIPES AND INLETS.

1 DRAINAGE PLAN  
SCALE: 1/10"=1'-0"

ARCHBISHOP FLORES STREET

**MCL**

Martin Chichabal, Mariana  
 ARCHITECTURE PLANNING  
 Suite 202, P.O. Box 9810  
 415 Barrameda Loop Road  
 Agaña, Guam 98111  
 TEL: (787) 835-8572 FAX: (787) 426-1423  
 GUAM

**CIVIL:**  
 J.M. AQUINO, PE  
 Jubilee Shopping Center, Suite 233  
 Agaña, Guam 98110

**STRUCTURAL:**  
 J.M. AQUINO, PE  
 Jubilee Shopping Center, Suite 233  
 Agaña, Guam 98110

**MECHANICAL:**  
 LRA & ASSOCIATES  
 P.O. Box 9177  
 Dededo, Guam 98912

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 A.S. DELGADO &  
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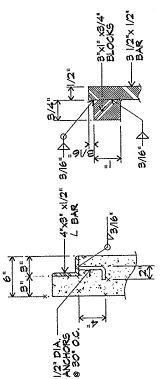
**LANDSCAPE:**  
 BELT COLLINS  
 P.O. Box 9800-A  
 414 W. Salsbad Avenue  
 Agaña, Guam 98910

MUSEUM & CONFERENCE CENTER  
 ADDITIONS TO  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL-BASILICA  
 GUAM



DATE: 01/19/14  
 PROJECT: MUSEUM & CONFERENCE CENTER  
 DRAWING NO.: 221-02  
 SHEET NO.: 2

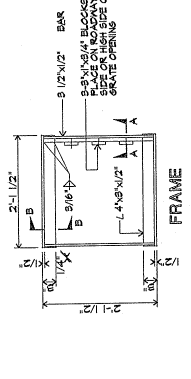
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DRAWN BY:	JC
CHECKED BY:	JA
SUPERVISED BY:	JA
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SCALE:	AS SHOWN
PROJECT NO.:	
SHEET NO.:	2



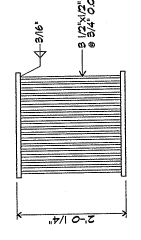
SECT. A-A



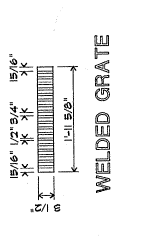
SECT. B-B



FRAME

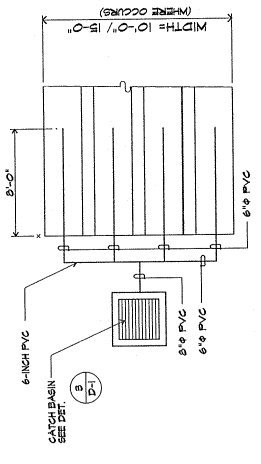


PLAN

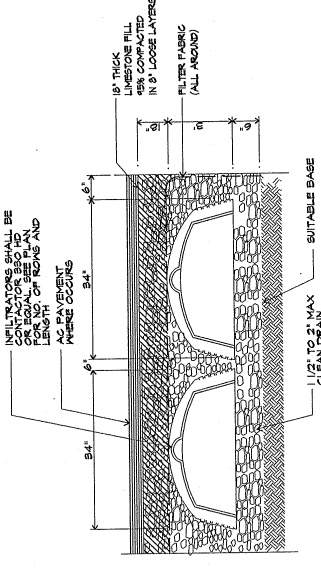


WELDED GRATE

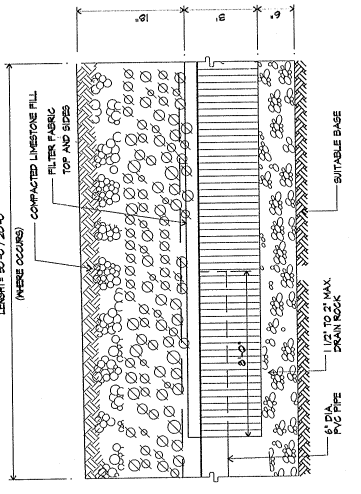
3 GRATING DETAIL  
 C-2 SCALE  
 NTS



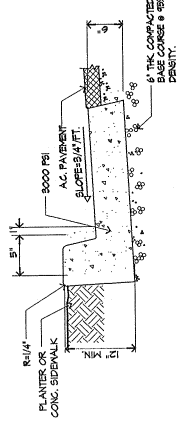
1A PLAN  
 C-2 SCALE  
 NTS



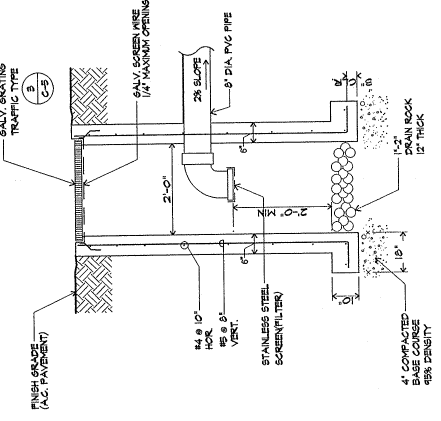
1B CROSS SECTION  
 C-2 SCALE  
 NTS



1C LONGITUDINAL SECTION  
 C-2 SCALE  
 NTS



4 CONC. CURB & GUTTER DETAIL  
 C-2 SCALE  
 NTS



2 CATCH BASIN DETAIL  
 C-2 SCALE  
 NTS

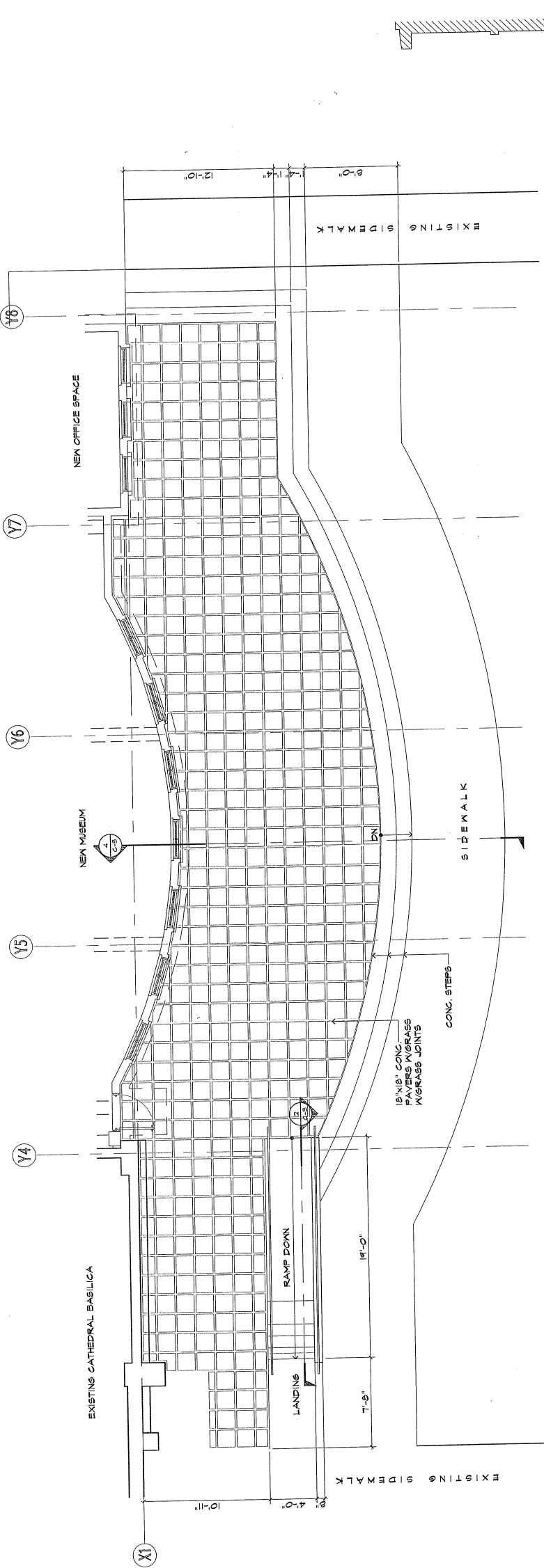
1 STORMWATER STORAGE CHAMBER DETAILS  
 C-2 SCALE  
 NTS



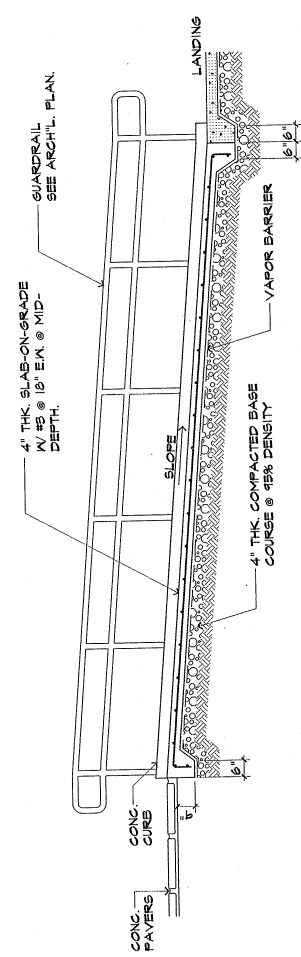


DATE: 9/12/14  
DESIGNED BY: JAC  
DRAWN BY: JAC  
CHECKED BY: JAC  
SUPERVISED BY: JAC  
JOB NO. 221-02

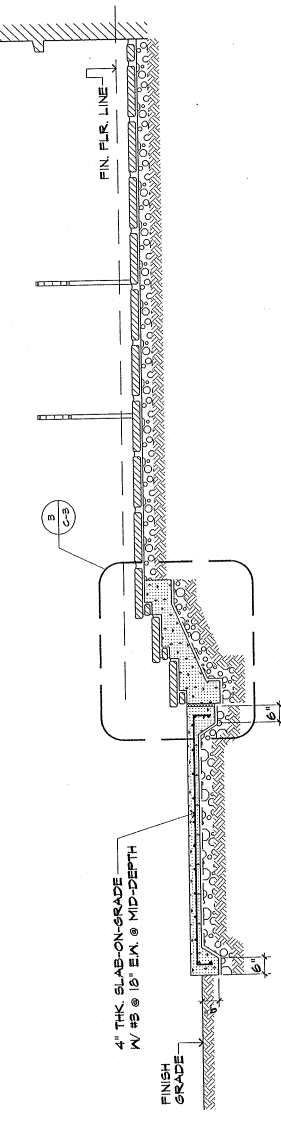
DESIGNED BY:	JAC
DRAWN BY:	JAC
CHECKED BY:	JAC
SUPERVISED BY:	JAC
DRAWING NO.:	221-02
DATE:	9/12/14
SCALE:	1/2" = 1'-0"
PROJECT:	MUSEUM & CONFERENCE CENTER
SHEET NO.:	3



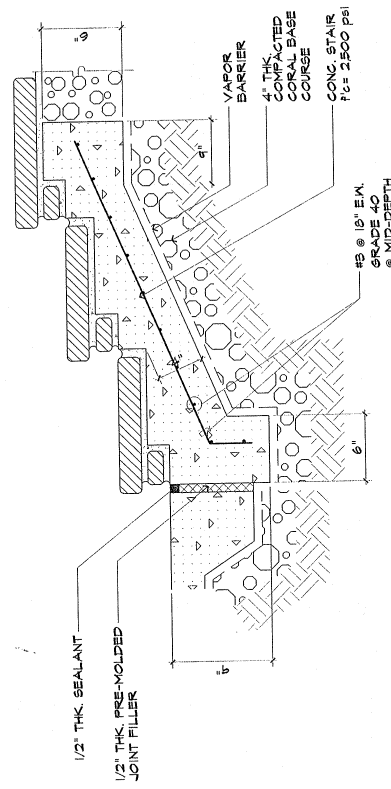
1 ENLARGED SITE PLAN  
SCALE: 1/4" = 1'-0"  
C-3



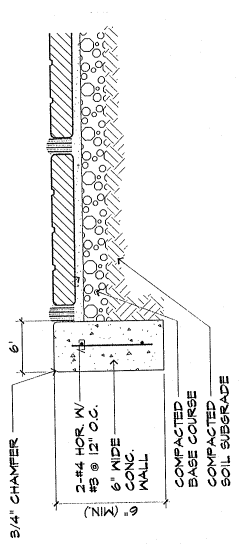
2 SECTION-RAMP  
SCALE: 1/2" = 1'-0"  
C-3



4 SECTION  
SCALE: 1/2" = 1'-0"  
C-3



3 STEP DETAIL  
SCALE: 1/2" = 1'-0"  
C-3



5 CONC. CURB DETAIL  
SCALE: 1/2" = 1'-0"  
C-3

**CIVIL:**  
JM. AQUINO, PE  
3140 Shalimar Center, Suite 233  
Agaña, Guam 96910

**STRUCTURAL:**  
JM. AQUINO, PE  
Jude Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
LRA & ASSOCIATES  
P.O. Box 5177 96912  
Agaña, Guam

**ELECTRICAL:**  
AS DELGADO &  
ASSOCIATES  
P.O. Box 3189  
Agaña, Guam 96910

**LANDSCAPE:**  
BELT COLLINS  
COC Building, Suite 600-A  
414 W. Solidor Avenue  
Agaña, Guam 96911

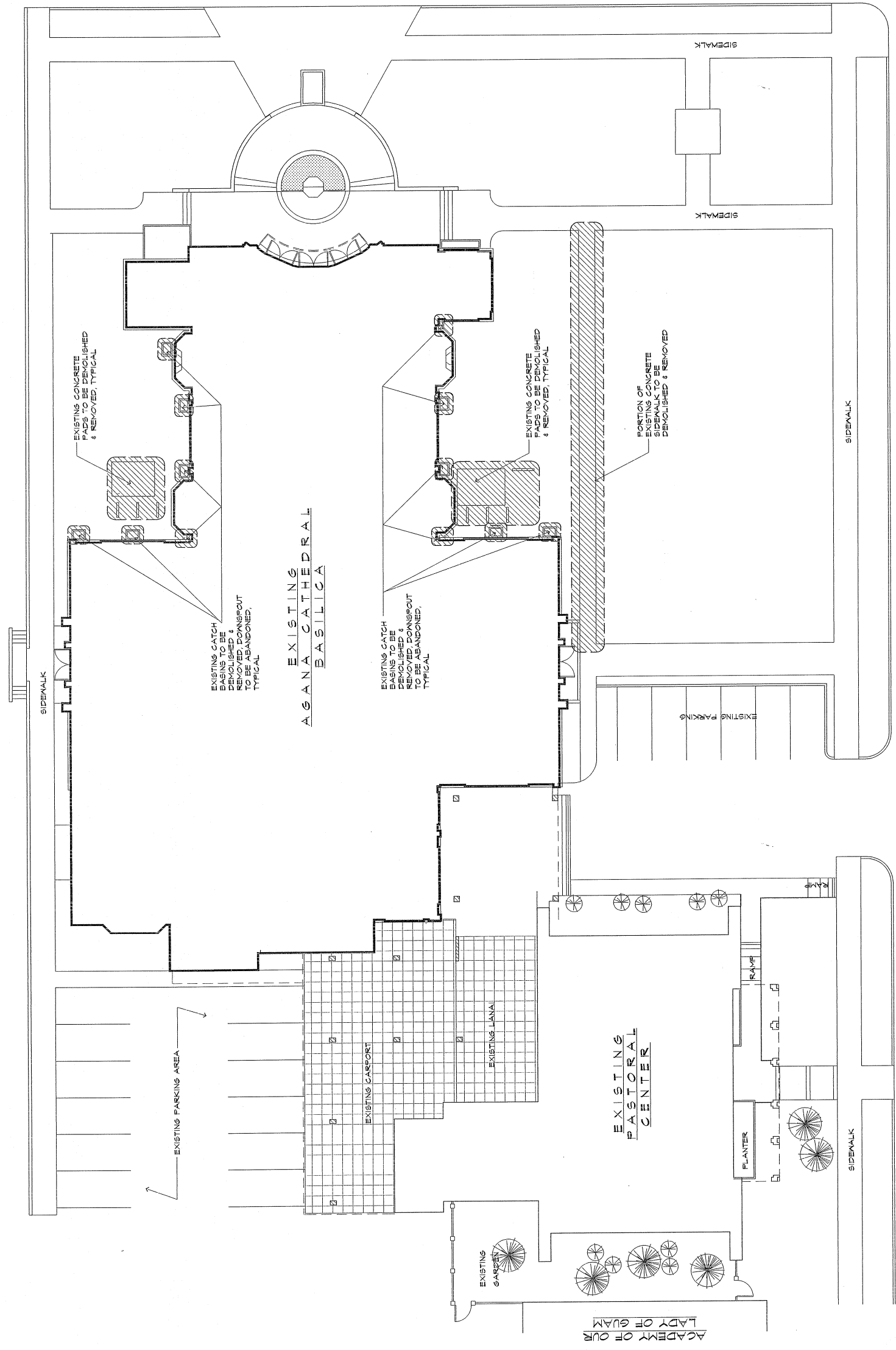
MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
CATHEDRAL - BASILICA  
AGANA, GUAM



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.  
JOB NO. 221-02

DRAWING TITLE:	SITE DEMOLITION PLAN
DESIGNED BY:	ATH
DRAWN BY:	KM
CHECKED BY:	JCA/MAL
SUPERVISED BY:	AT/EAC
DRAWING NO.:	021-002-001
DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.:	221-02
SHEET NO.:	1

CHALAN SANTO PAPA



0 5' 10' 20'

1 SITE DEMOLITION PLAN  
SCALE: 1" = 10'-0"



**CIVIL:**  
**J.M. AQUINO, PE**  
 Julie Shopping Center, Suite 233  
 Agaña, Guam 98910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
 Julie Shopping Center, Suite 233  
 Agaña, Guam 98910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
 F.O. Box 9177  
 Dededo, Guam 98912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
 P.O. Box 9910  
 Agaña, Guam 98910

**LANDSCAPE:**  
**BELT COLLINS**  
 914 W. Sisonog Avenue  
 Agaña, Guam 98910

**MUSEUM & CONFERENCE CENTER  
 ADDITIONS TO  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL-BASILICA  
 AGAÑA,  
 GUAM**

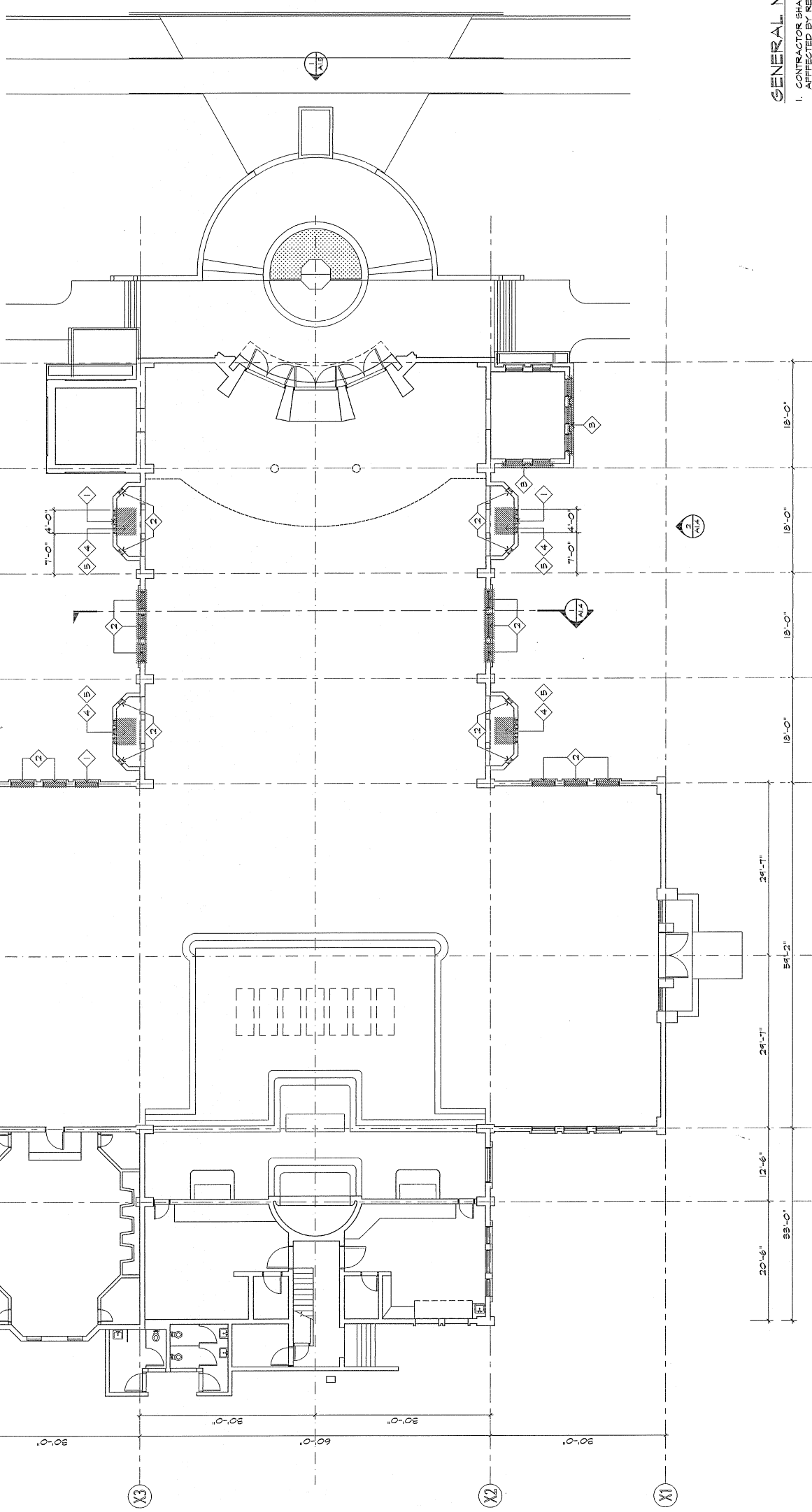


**JOB NO. 221-02**

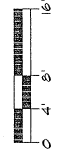
**DRAWING TITLE:**  
 DEMOLITION FLOOR PLAN

DESIGNED BY:	ATL
DRAWN BY:	FVI
CHECKED BY:	SCA/ATL
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	221-02-001
DATE:	07/27/06
SHEET NO.:	06
TOTAL SHEETS:	06

- DEMOLITION & REMOVAL NOTES:**
- 1 REMOVE PORTION OF EXISTING CONCRETE MALL
  - 2 REMOVE EXISTING ALUMINUM GLASS WINDOW
  - 3 REMOVE PORTION OF EXISTING WINDOW TRIM
  - 4 REMOVE AND RELOCATE EXISTING STATUE
  - 5 DEMOLISH AND REMOVE EXISTING STATUE PEDESTAL



- GENERAL NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AFFECTED BY REMOVAL AND NEW WORK PRIOR TO COMMENCEMENT OF WORK.
  2. ALL DIMENSIONS SHOWN ON EXISTING STRUCTURE ARE APPROXIMATE CONTRACTOR TO VERIFY.
  3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL EXISTING ROUGH OPENING DIMENSIONS.
  4. CONTRACTOR SHALL RESTORE ALL DAMAGES DONE TO EXISTING STRUCTURE TO ITS ORIGINAL CONDITION.



**1 DEMOLITION FLOOR PLAN**  
 1/8" = 1'-0"  
 SCALE

**MCL**

Martin, Cristóbal, Leguina  
ARCHITECTURE PLANNING  
Salle 202, Trade-Serve Complex  
615 Barrera, Agaña, Guam  
Tel: (767) 858-8172 Fax: (767) 858-4285  
GUAM

**CIVIL:**  
**J.M. AQUINO, PE**  
Julius Shopping Center, Suite 233  
Aguaña, Guam 96910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julius Shopping Center, Suite 233  
Aguaña, Guam 96910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177 96912  
Dededo, Guam

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
P.O. Box 31489  
Aguaña, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
COC Building, Suite 600-A  
414 W. Soledad Avenue  
Aguaña, Guam 96910

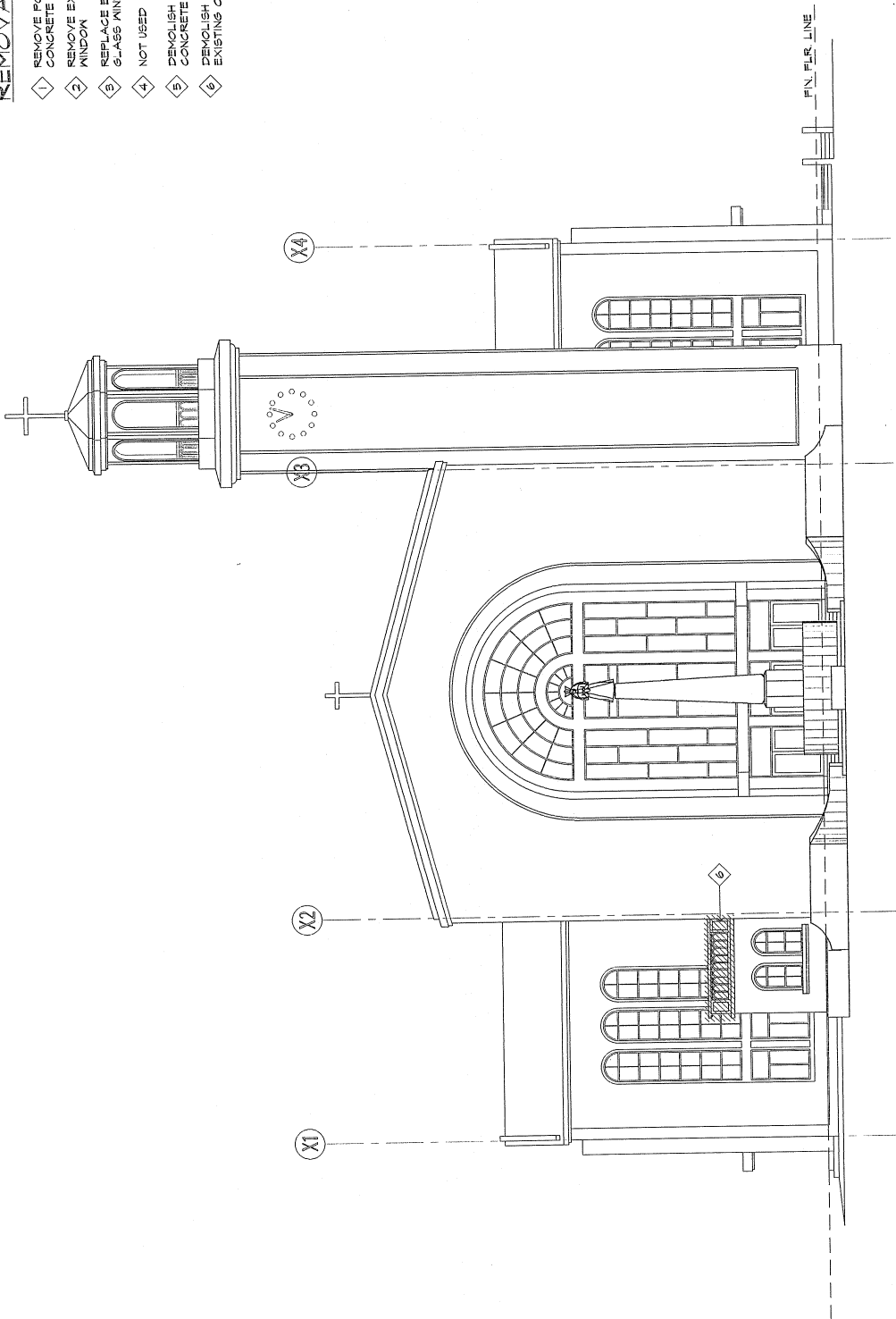
MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL-BASILICA  
AGANA,  
GUAM



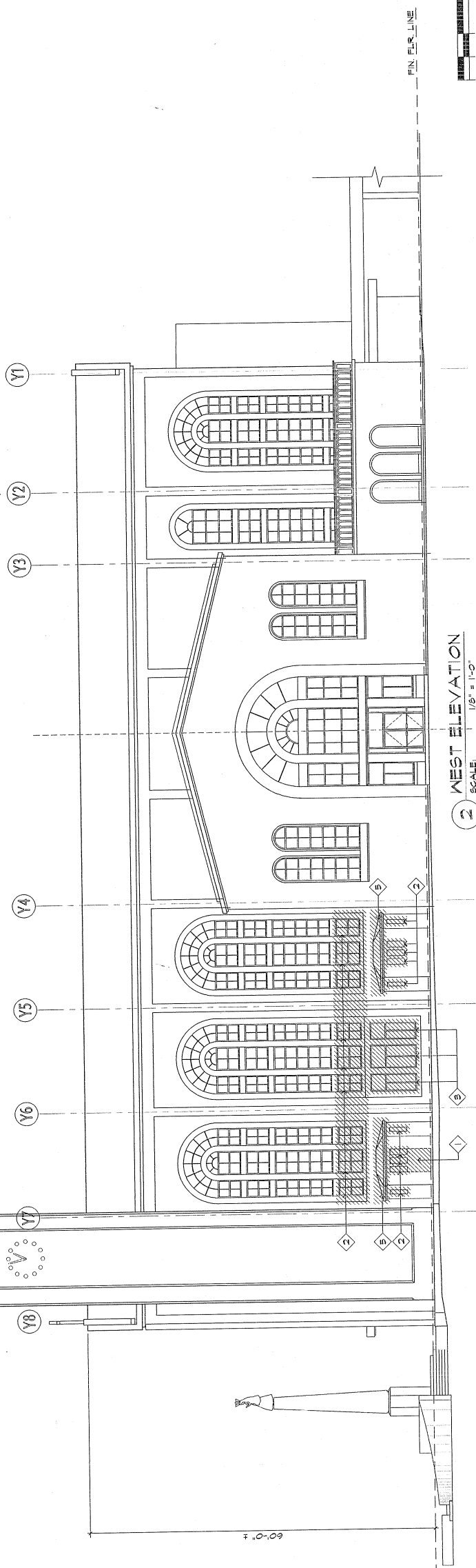
DESIGNED BY: ATL  
DRAWN BY: P.V/CKH  
CHECKED BY: JCA/ATL  
SUPERVISED BY: ATL/EAC  
DRAWING NO. 22102  
JOB NO. 22102

DRAWING TITLE:	
NORTH ELEVATION	
WEST ELEVATION	
(EXISTING)	
DESIGNED BY:	ATL
DRAWN BY:	P.V/CKH
CHECKED BY:	JCA/ATL
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	22102
JOB NO.:	22102
DATE:	11/1/11
SCALE:	1/8" = 1'-0"
SHEET NO.:	3
TOTAL SHEETS:	3

- DEMOLITION & REMOVAL NOTES:**
- 1 REMOVE PORTION OF EXISTING CONCRETE WALL
  - 2 REMOVE EXISTING ALUMINUM GLASS WINDOW
  - 3 REPLACE EXISTING ALUMINUM GLASS WINDOW
  - 4 NOT USED
  - 5 DEMOLISH AND REMOVE EXISTING CONCRETE ROOF
  - 6 DEMOLISH AND REMOVE EXISTING CONCRETE RAILING



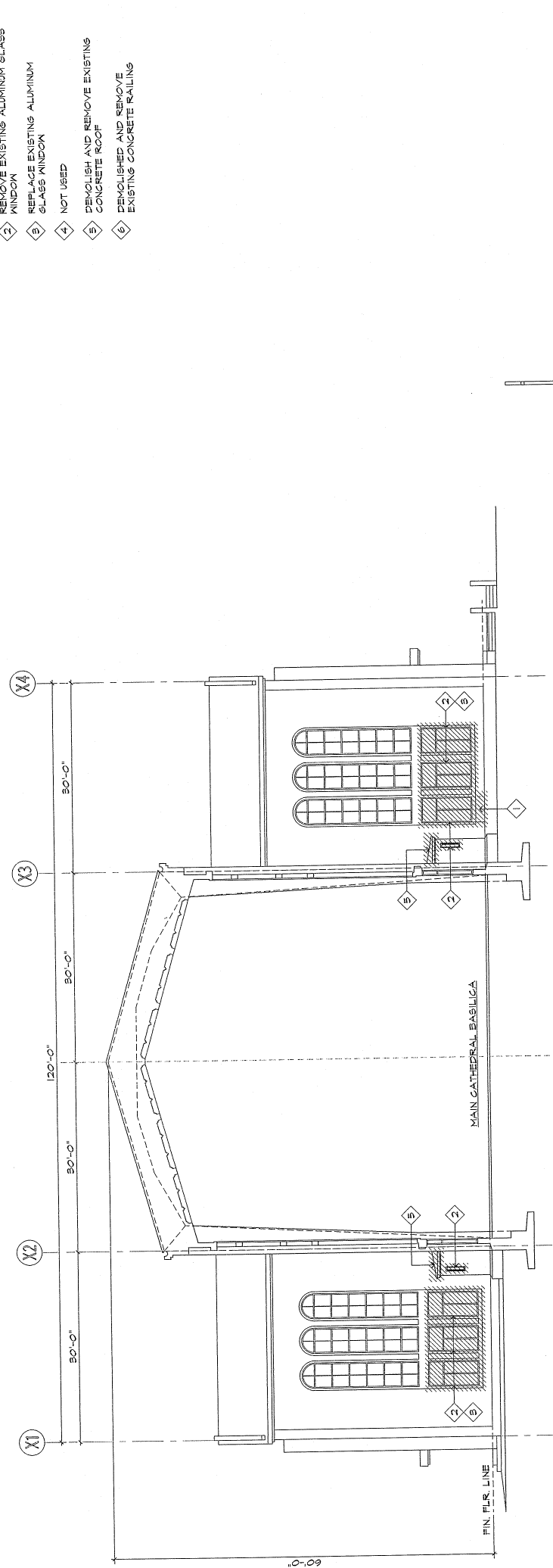
1 NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



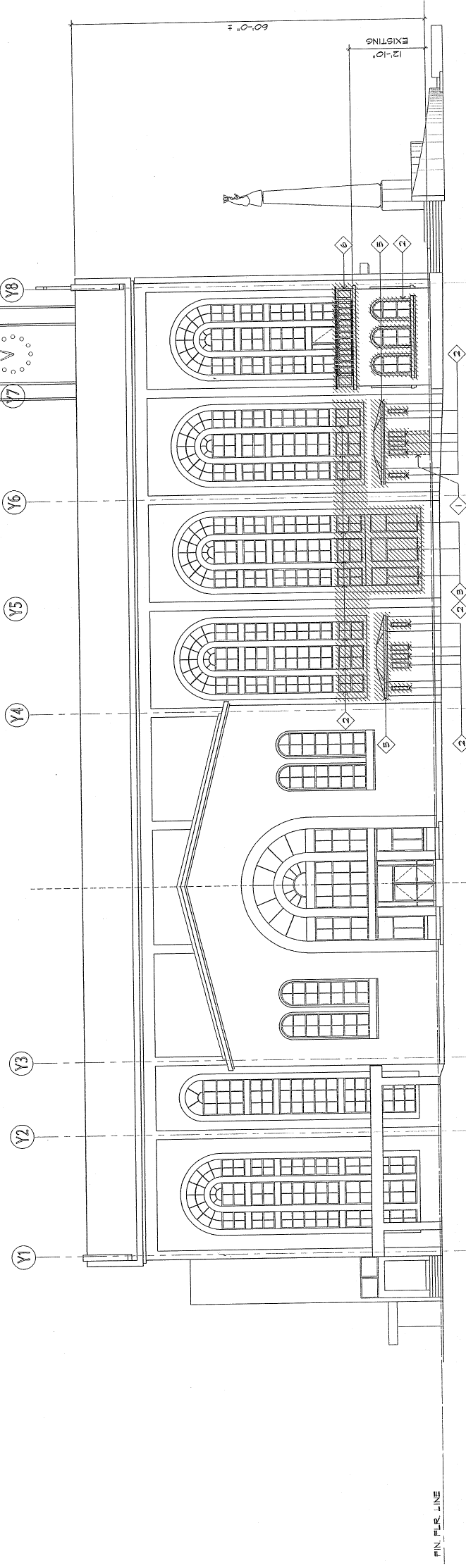
2 WEST ELEVATION  
SCALE: 1/8" = 1'-0"



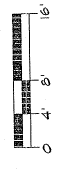
- DEMOLITION & REMOVAL NOTES:**
- 1 REMOVE PORTION OF EXISTING CONCRETE WALL
  - 2 REMOVE EXISTING ALUMINUM GLASS WINDOW
  - 3 REPLACE EXISTING ALUMINUM GLASS WINDOW
  - 4 NOT USED
  - 5 DEMOLISH AND REMOVE EXISTING CONCRETE ROOF
  - 6 DEMOLISHED AND REMOVE EXISTING CONCRETE RAILINGS

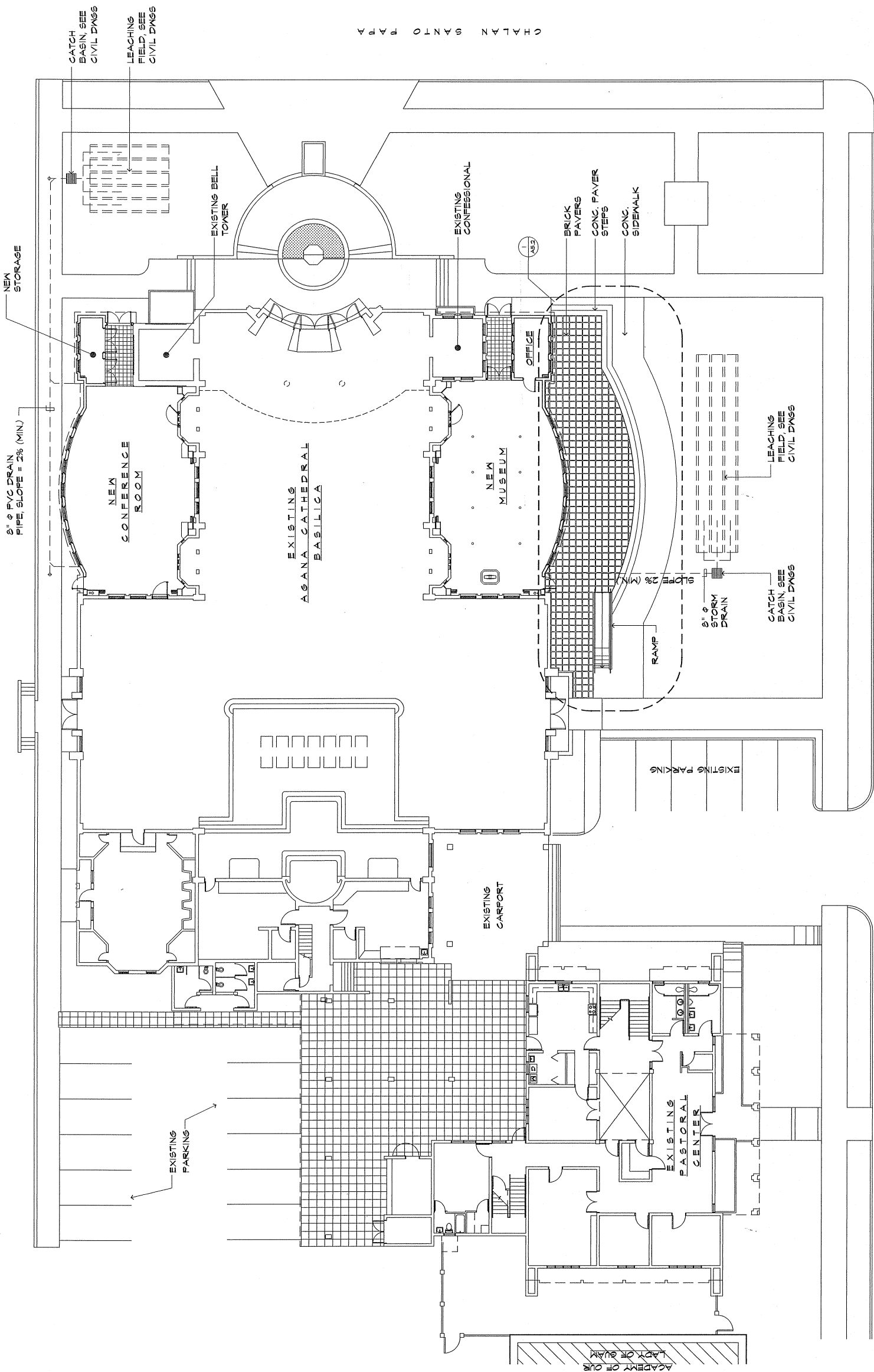


1 PARTIAL BUILDING SECTION/ELEVATION  
 SCALE: 1/8" = 1'-0"



2 EAST ELEVATION  
 SCALE: 1/8" = 1'-0"





ARCHBISHOP FLORES STREET

1 SITE DEVELOPMENT PLAN  
SCALE: 1" = 10'-0"

0 5' 10' 20'

**CIVIL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 98910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 98910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 98912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
Agaña, Guam 98910

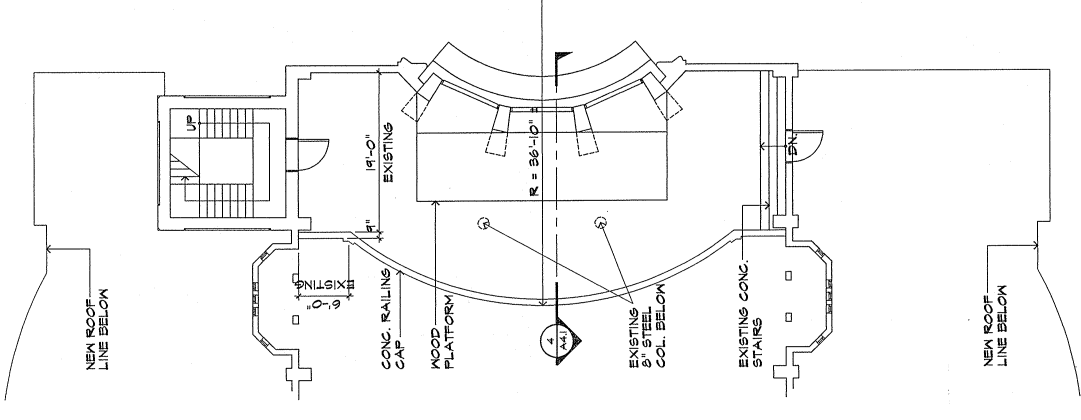
**LANDSCAPE:**  
**BELT COLLINS**  
1000-A  
414 W. Salsada Avenue  
Agaña, Guam 98910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA  
AGANA, GUAM

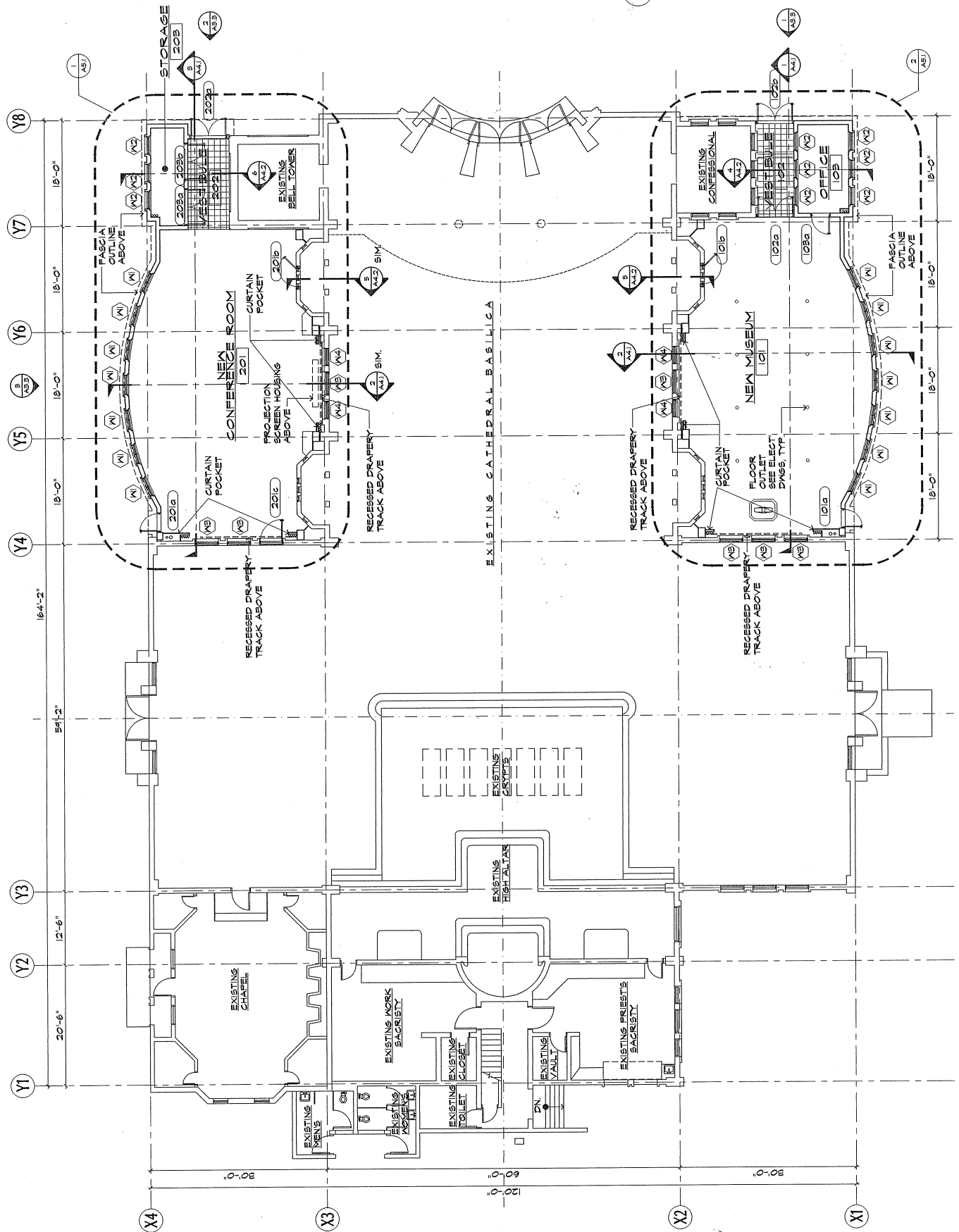


JOB NO. 221-02  
DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: SCVATL  
SUPERSEDED BY: ATLEAC  
DRAWING NO. 828-C-0202  
DATE: 04-27-16

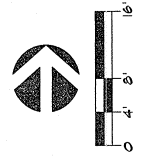
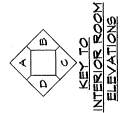
DRAWING TITLE:	
NEW FLOOR PLAN FLOOR PLAN @ BALCONY	
DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	SCVATL
SUPERSEDED BY:	ATLEAC
DRAWING NO.:	828-C-0202
DATE:	04-27-16
SCALE:	AS SHOWN
SHEET NO.:	2
TOTAL SHEETS:	2



2 FLOOR PLAN @ BALCONY  
1/8" = 1'-0"  
SCALE.



1 NEW FLOOR PLAN  
1/8" = 1'-0"  
SCALE.





**MCL**  
 Martin Cristóbal Larués  
 ARCHITECTURE PLANNING  
 Suite 202, Truker-Bayes Complex  
 65 Truker-Bayes Road  
 Agaña, Guam 98910  
 TEL: (771) 525-4662 FAX: (771) 525-4665  
 GUAM

**CIVIL:**  
**JM. AQUINO, PE**  
 1000 Agaña, Suite 233  
 Agaña, Guam 98910

**STRUCTURAL:**  
**JM. AQUINO, PE**  
 1000 Agaña, Suite 233  
 Agaña, Guam 98910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
 P.O. Box 9177 98912  
 Babelo, Guam

**ELECTRICAL:**  
**AS. DELGADO & ASSOCIATES**  
 P.O. Box 3189  
 Agaña, Guam 98910

**LANDSCAPE:**  
**BEIT COLLINS**  
 600 Building, Suite 600-A  
 414 W. Soledad Avenue  
 Agaña, Guam 98910

**MUSEUM & CONFERENCE CENTER  
 ADDITIONS TO  
 DULCE NOMBRE DE MARIA  
 CATHEDRAL - BASILICA**  
 AGAÑA

REPUBLIC OF GUAM  
 DEPARTMENT OF PUBLIC WORKS  
 1000 Agaña, Suite 233  
 Agaña, Guam 98910

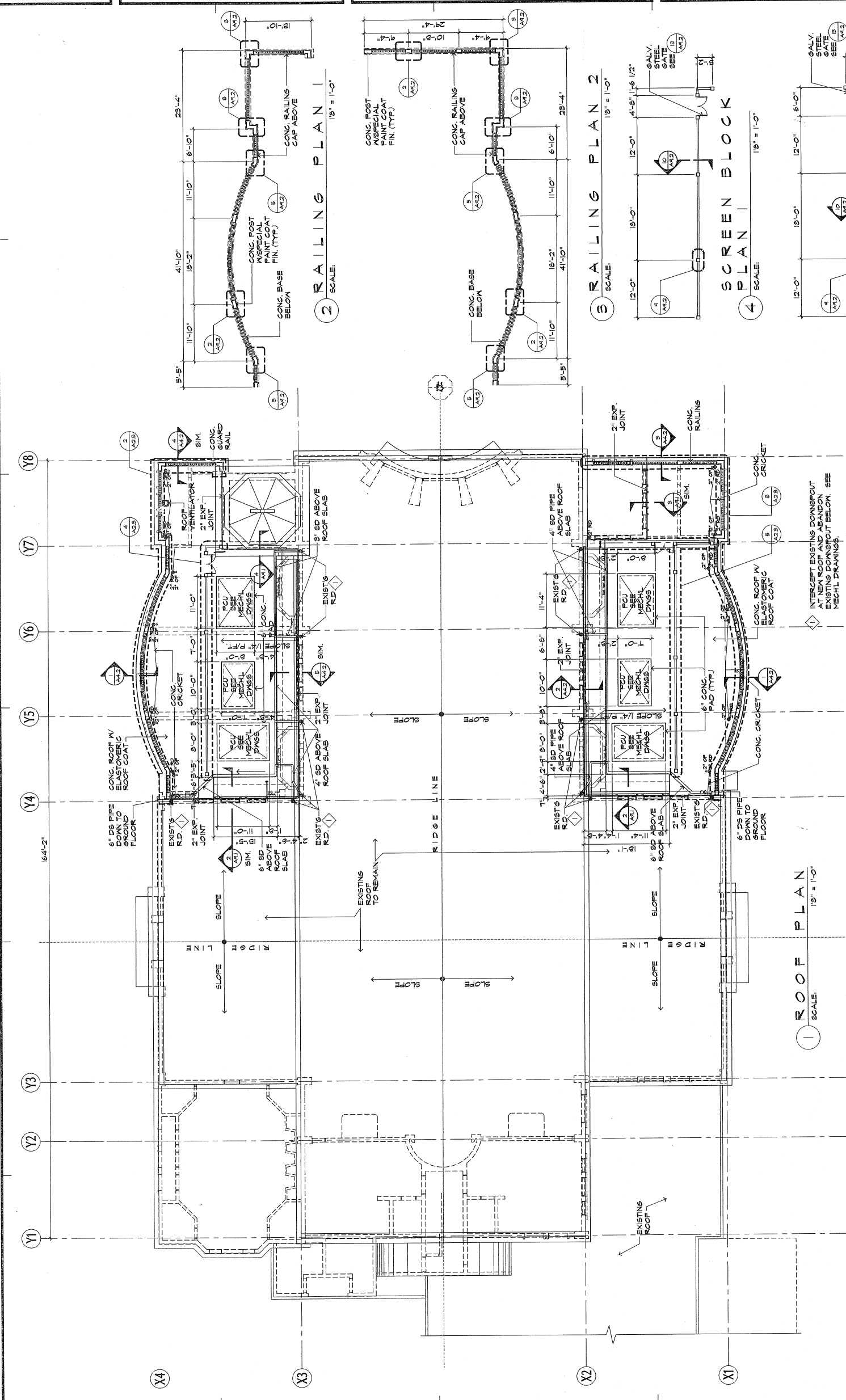
**JM. AQUINO**  
 REGISTERED PROFESSIONAL ENGINEER  
 LICENSE NO. 221-02

**nitro** **Professional**

DRAWING TITLE:  
**ROOF PLAN; RAILING  
 PLANS & 2;  
 SCREEN BLOCK  
 PLANS 1 & 2**

DESIGNED BY: ATL  
 DRAWN BY: KM  
 CHECKED BY: JCAATL  
 SUPERVISED BY: ATL/EAC  
 DRAWING NO. 221-02  
 SUB-CATEGORY: OUTDOOR

DATE: 4-27-16  
 SHEET NO. 3



**1 ROOF PLAN**  
 SCALE: 1/8" = 1'-0"

**2 RAILING PLAN 1**  
 SCALE: 1/8" = 1'-0"

**3 RAILING PLAN 2**  
 SCALE: 1/8" = 1'-0"

**4 SCREEN BLOCK PLAN 2**  
 SCALE: 1/8" = 1'-0"

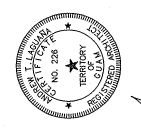
**5 SCREEN BLOCK PLAN 2**  
 SCALE: 1/8" = 1'-0"

INTERCEPT EXISTING DOWNSPOUT AT NEW ROOF AND ABANDON EXISTING DOWNSPOUT BELOW. SEE MECHL DRAWINGS.

0 4' 8' 16'

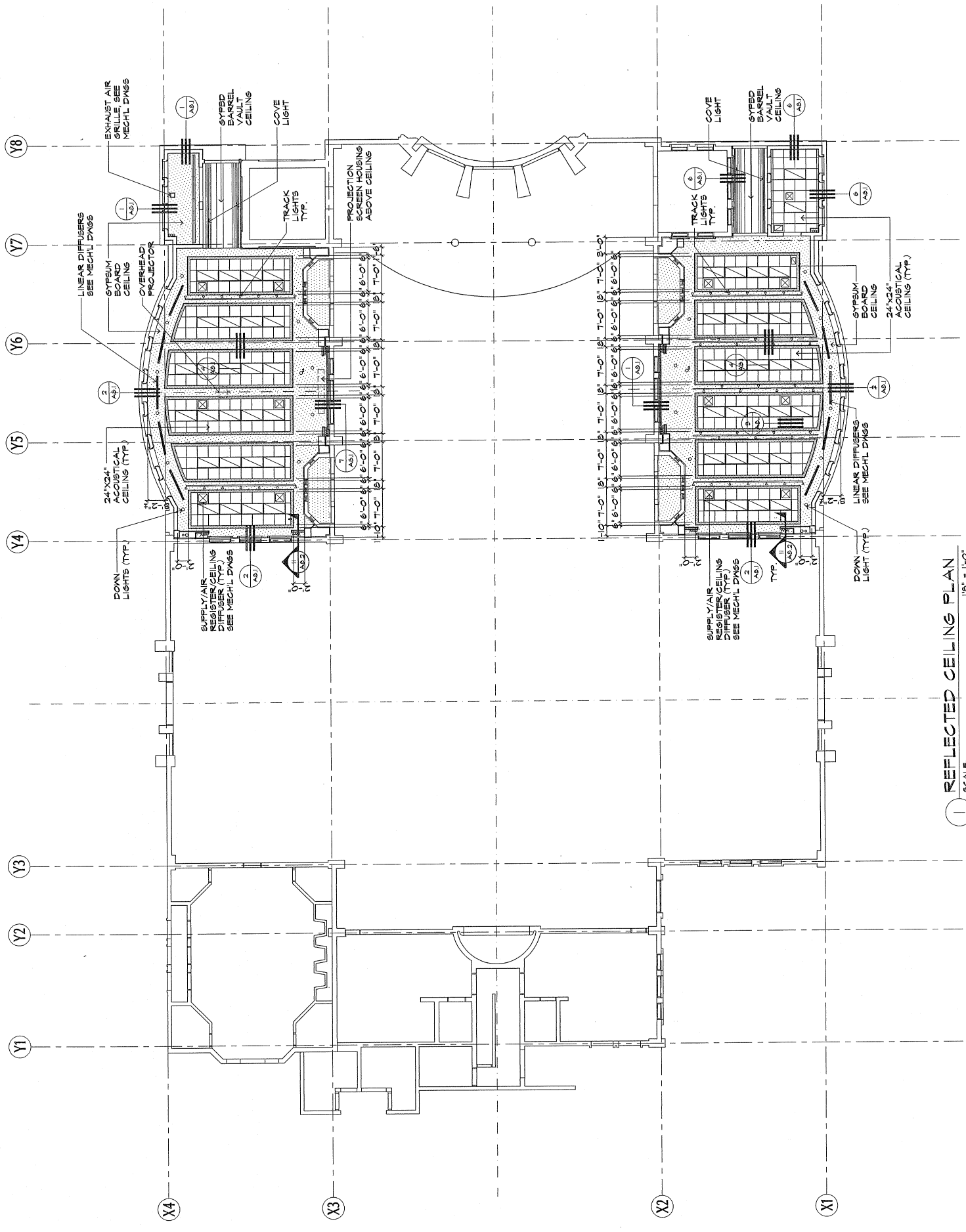
<b>CIVIL:</b>	<b>J.M. AQUINO, PE</b> Julius Shopping Center, Suite 233 Agency, Guam 96910
<b>STRUCTURAL:</b>	<b>J.M. AQUINO, PE</b> Julius Shopping Center, Suite 233 Agency, Guam 96910
<b>MECHANICAL:</b>	<b>LRA &amp; ASSOCIATES</b> Box 3077 Dededo, Guam 96912
<b>ELECTRICAL:</b>	<b>A.S. DELGADO &amp; ASSOCIATES</b> P.O. Box 3189 Agency, Guam 96910
<b>LANDSCAPE:</b>	<b>BELT COLLINS</b> COC Building, Suite 600-A COC Building, Suite 600-A Agency, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA  
GUAM

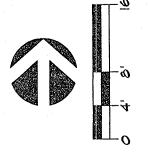


LIBRARY CHECKED THAT THIS DRAWING WAS PREPARED BY THE REGISTERED PROFESSIONAL ENGINEER, ARCHITECT, OR OTHER AS NOTED.  
JOB NO. 221-02

DRAWING TITLE:	REFLECTED CEILING PLAN
DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	JCA/ATL
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	221-02-02
CATEGORY:	
DATE:	9-27-16
SCALE:	AS SHOWN
SHEET NO.:	4
TOTAL SHEETS:	4



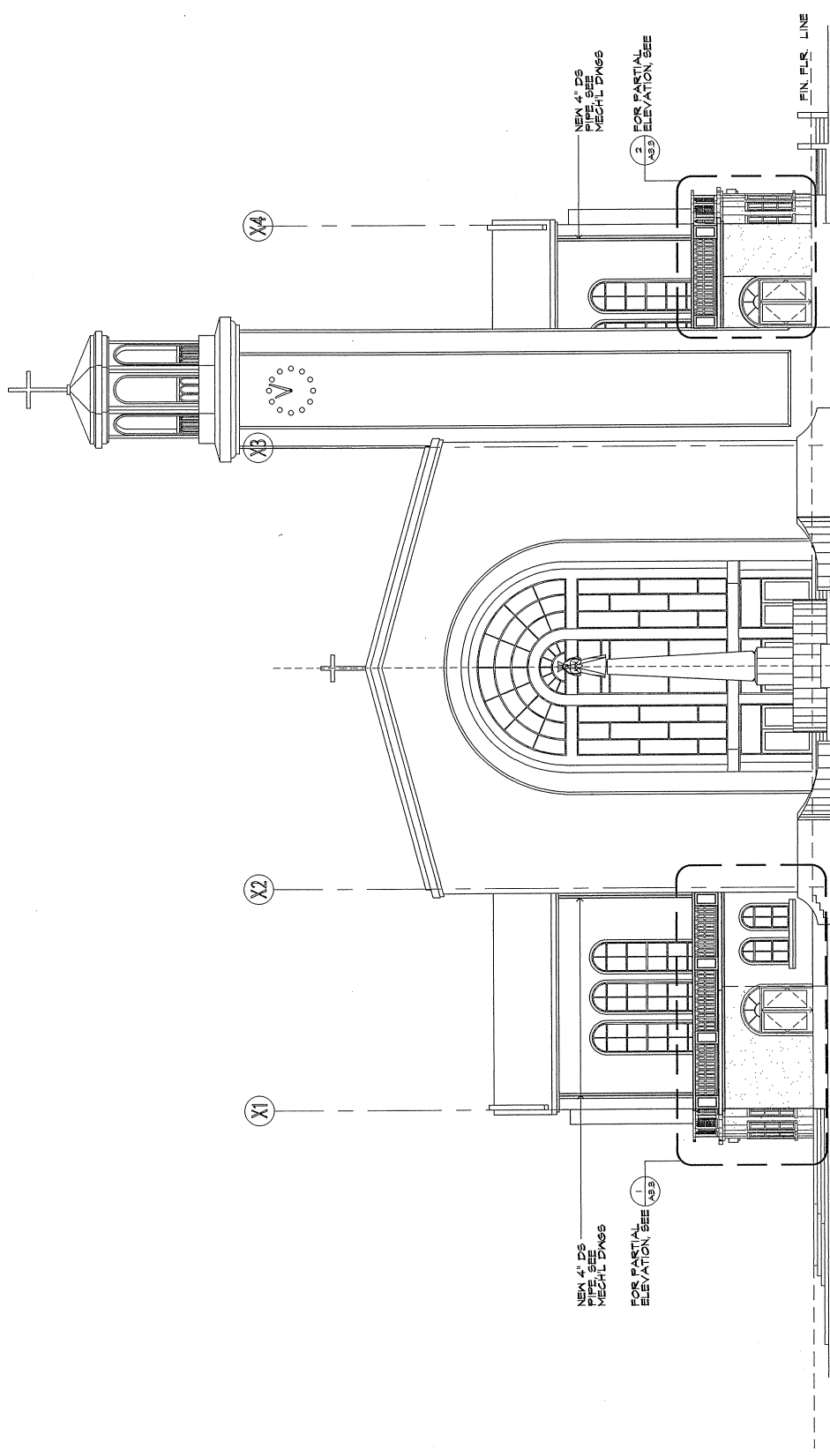
1 REFLECTED CEILING PLAN  
1/8" = 1'-0"  
SCALE



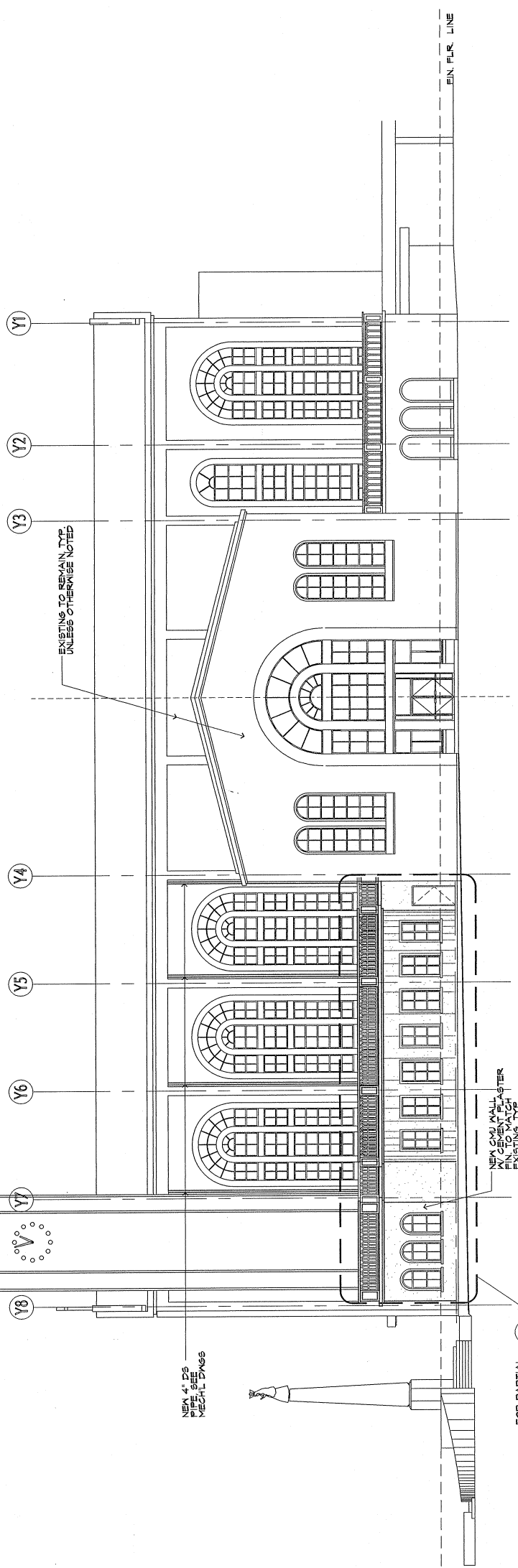


I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 JOB NO. 221-02

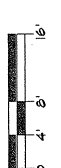
DESIGNED BY:	ATL
DRAWN BY:	FVH/SM
CHECKED BY:	JCA/ATL
SUPERSEDED BY:	ATL
DRAWING NO.:	221-02-01
CADRE:	
DATE:	07-16-02
SCALE:	AS SHOWN



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



2 WEST ELEVATION  
 SCALE: 1/8" = 1'-0"





**MCL**

Martin Cristóbal Laguna  
ARCHITECTURE PLANNING  
Suite 202, Ponce-River Complex  
115 Barrera, Ponce, PR 00731  
TEL: (787) 838-8512 FAX: (787) 838-8528  
GUAM

**CIVIL:**  
**JM. AQUINO, PE**  
Professional Engineer, Suite 233  
Agaña, Guam 98110

**STRUCTURAL:**  
**JM. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 98110

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177 98912  
Bessemer, Guam

**ELECTRICAL:**  
**AS. DELGADO & ASSOCIATES**  
P.O. Box 31489  
Agaña, Guam 98110

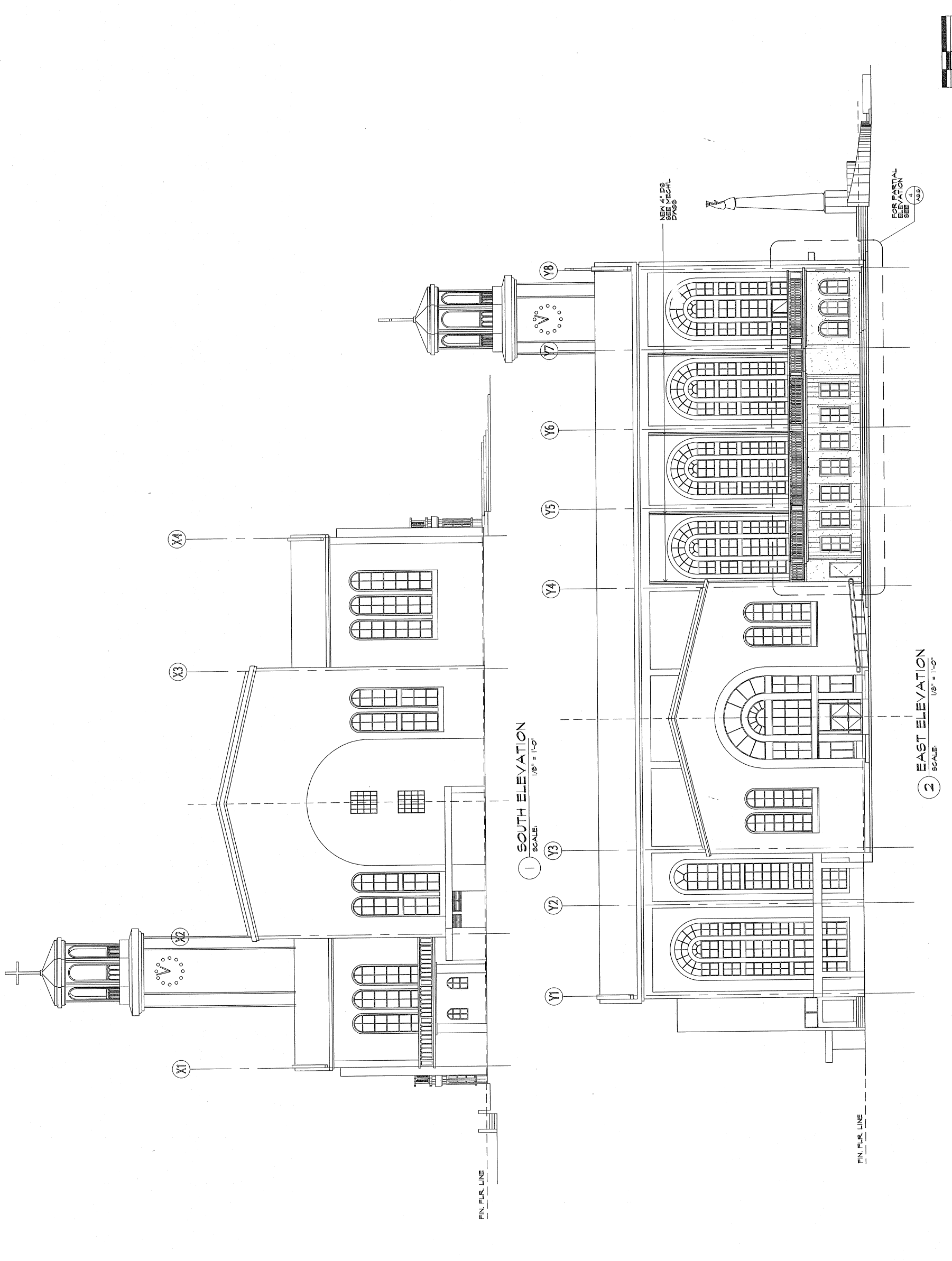
**LANDSCAPE:**  
**BET COLLINS**  
600 Building, Suite 600-A  
414 W. Soledad Avenue  
Agaña, Guam 98110

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
CATHEDRAL-BASILICA  
AGANA,  
GUAM



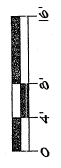
DESIGNED BY: *JM. AQUINO*  
DRAWN BY: *JCA/JAL*  
CHECKED BY: *JCA/JAL*  
SUPERVISED BY: *ATL/EAC*  
DRAWING NO. 98-211-16  
CATEGORY: A

DESIGNED BY:	ATL
DRAWN BY:	PV/MSM
CHECKED BY:	JCA/JAL
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	98-211-16
CATEGORY:	A
DATE:	9-21-96
FINAL:	
JOB NO.:	2



1 SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"

2 EAST ELEVATION  
SCALE: 1/8" = 1'-0"



**CIVIL:**  
**J.M. AQUINO, PE**  
Juake Shopping Center, Suite 233  
Agaña, Guam 96910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Juake Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
**LPA & ASSOCIATES**  
P.O. Box 9177 96912  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO &  
ASSOCIATES**  
Agaña, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
414 W. Soledad Avenue  
96914  
Agaña, Guam 96910

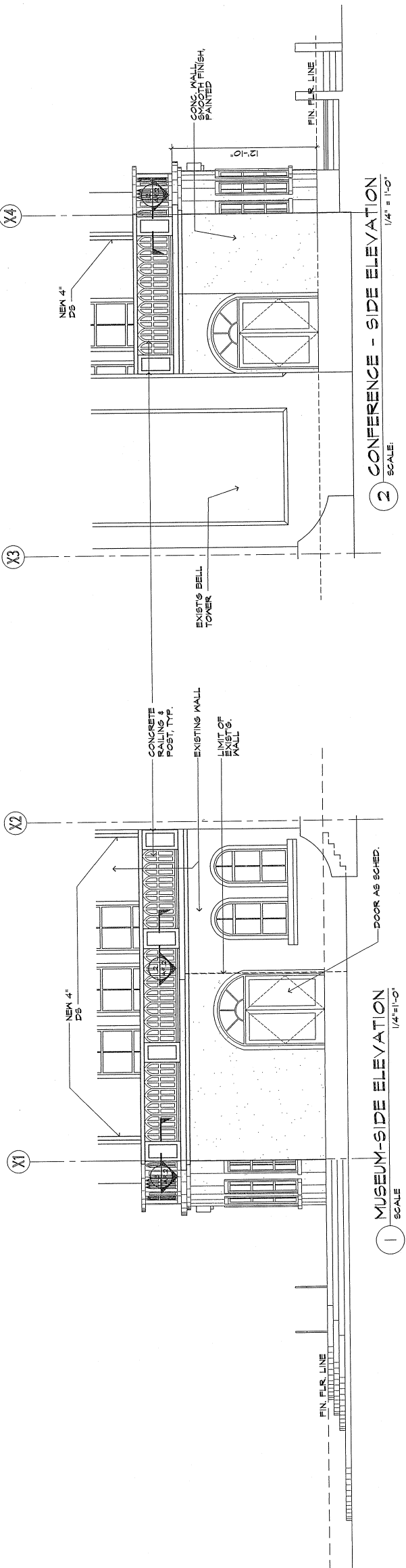
MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL-BASILICA  
AGANA, GUAM



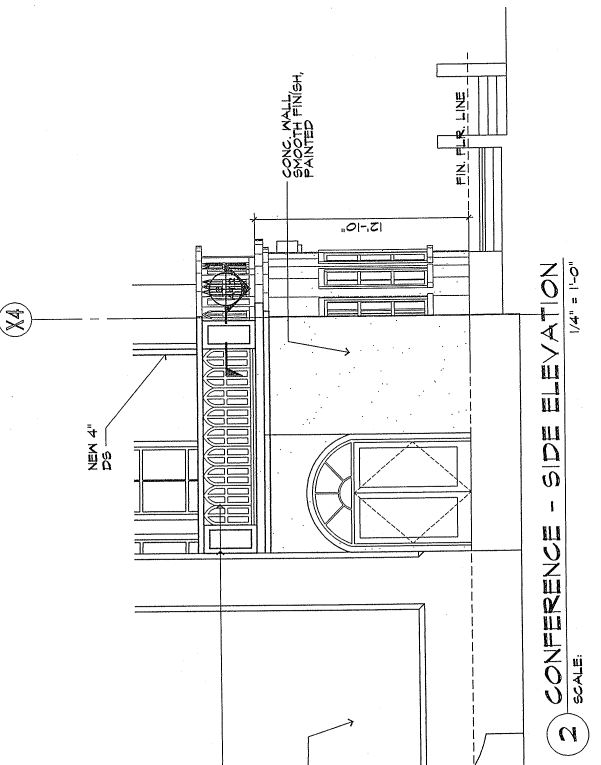
JOB NO. 221-02  
DATE: 08-20-07  
DRAWN BY: JCA/PVI  
CHECKED BY: JCA/ATL  
SUPERVISED BY: ATL/JAC  
DRAWING NO. 88-0207-03  
DATE: 08-20-07

DESIGNED BY:	ATL
DRAWN BY:	JCA/PVI
CHECKED BY:	JCA/ATL
SUPERVISED BY:	ATL/JAC
DRAWING NO.:	88-0207-03
DATE:	08-20-07
PLOT NO.:	88-02-06
SHEET NO.:	3
TOTAL SHEETS:	3

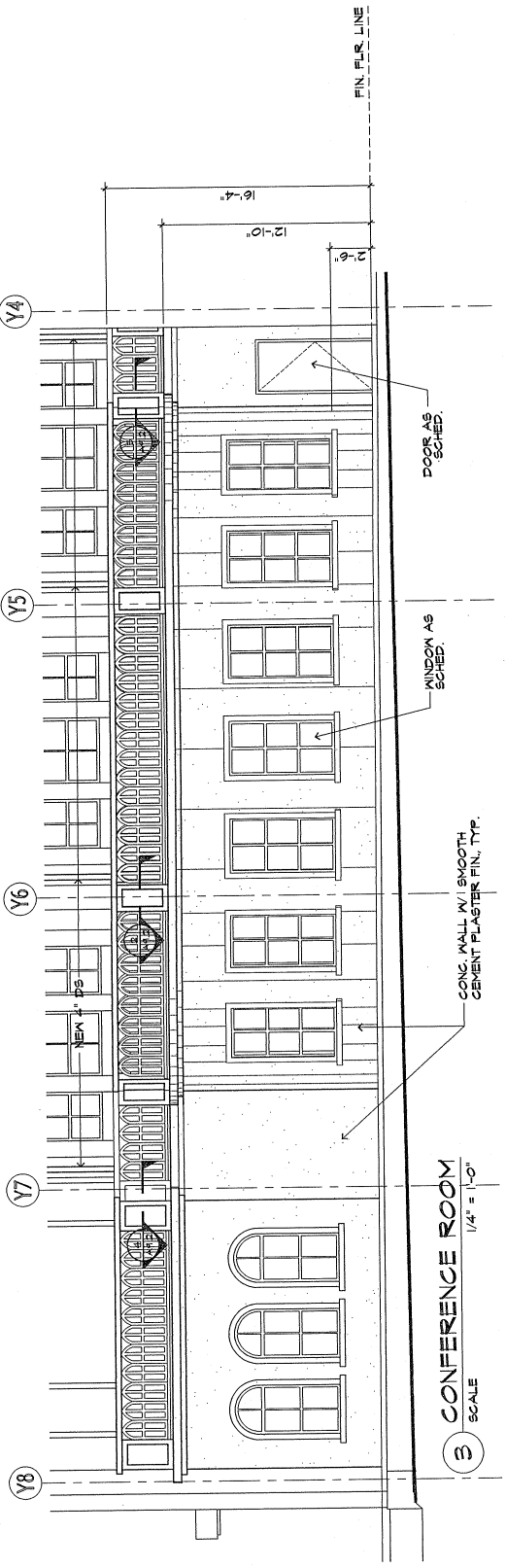
nitro professional



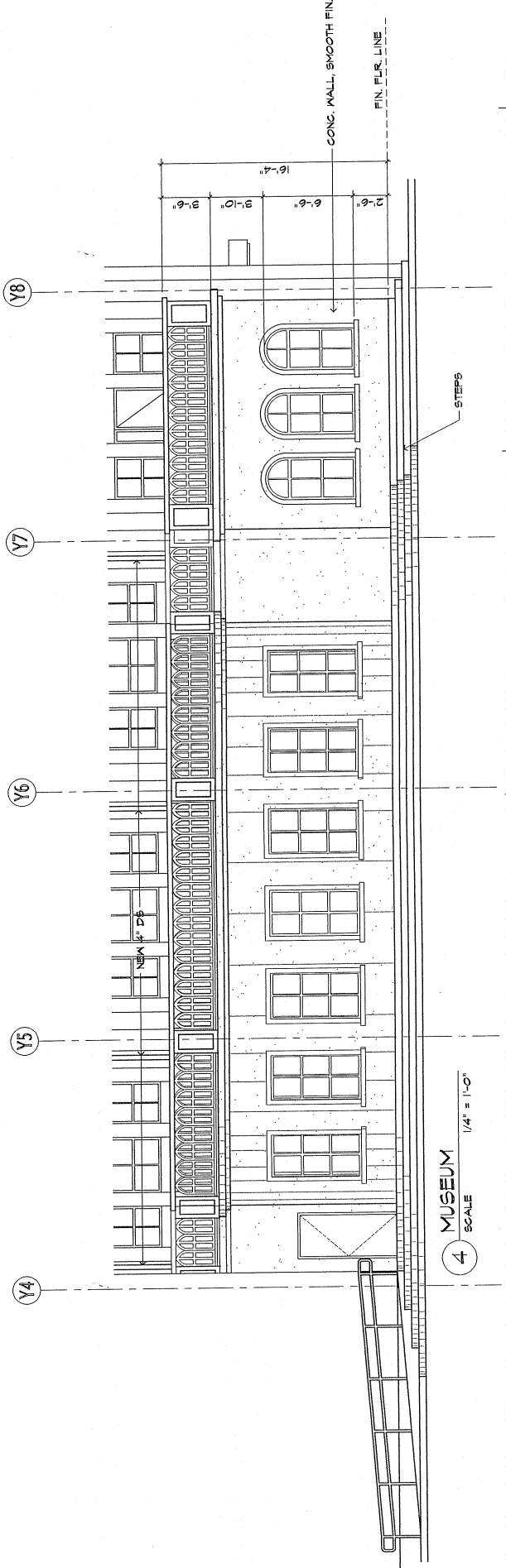
1 MUSEUM-SIDE ELEVATION  
1/4" = 1'-0"  
SCALE



2 CONFERENCE - SIDE ELEVATION  
1/4" = 1'-0"  
SCALE



3 CONFERENCE ROOM  
1/4" = 1'-0"  
SCALE



4 MUSEUM  
1/4" = 1'-0"  
SCALE

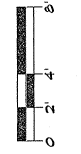
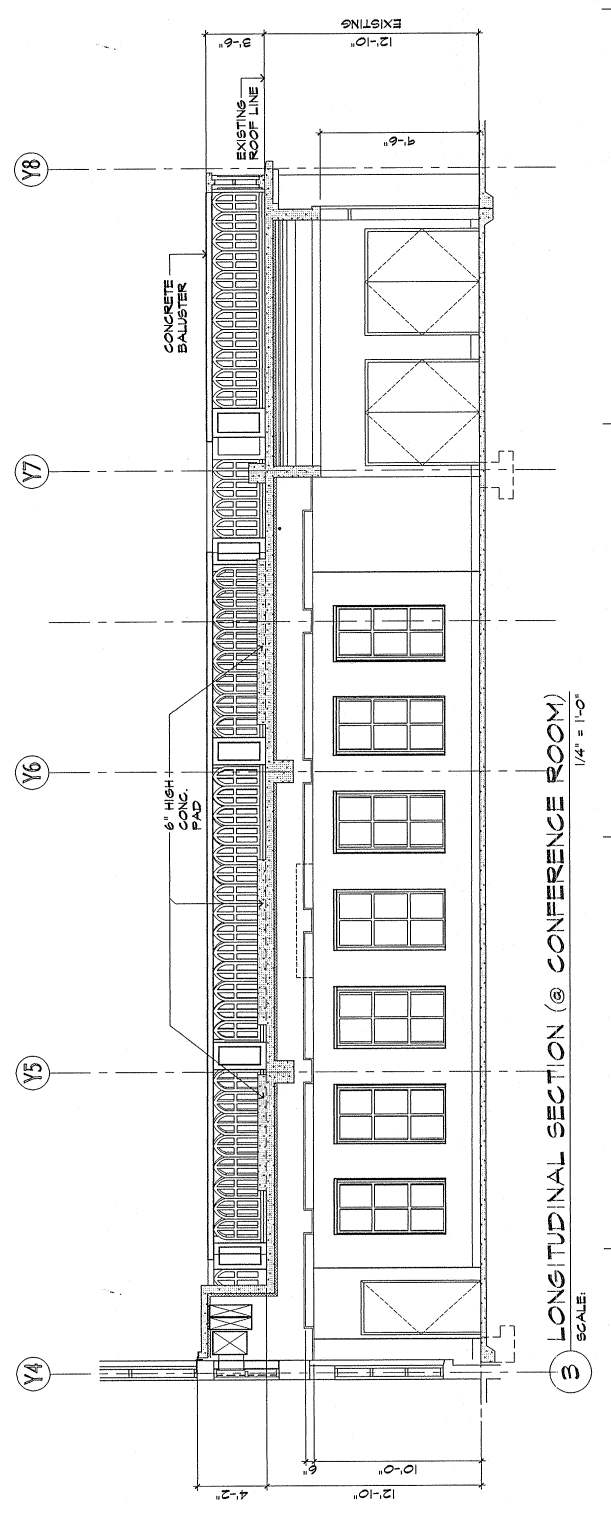
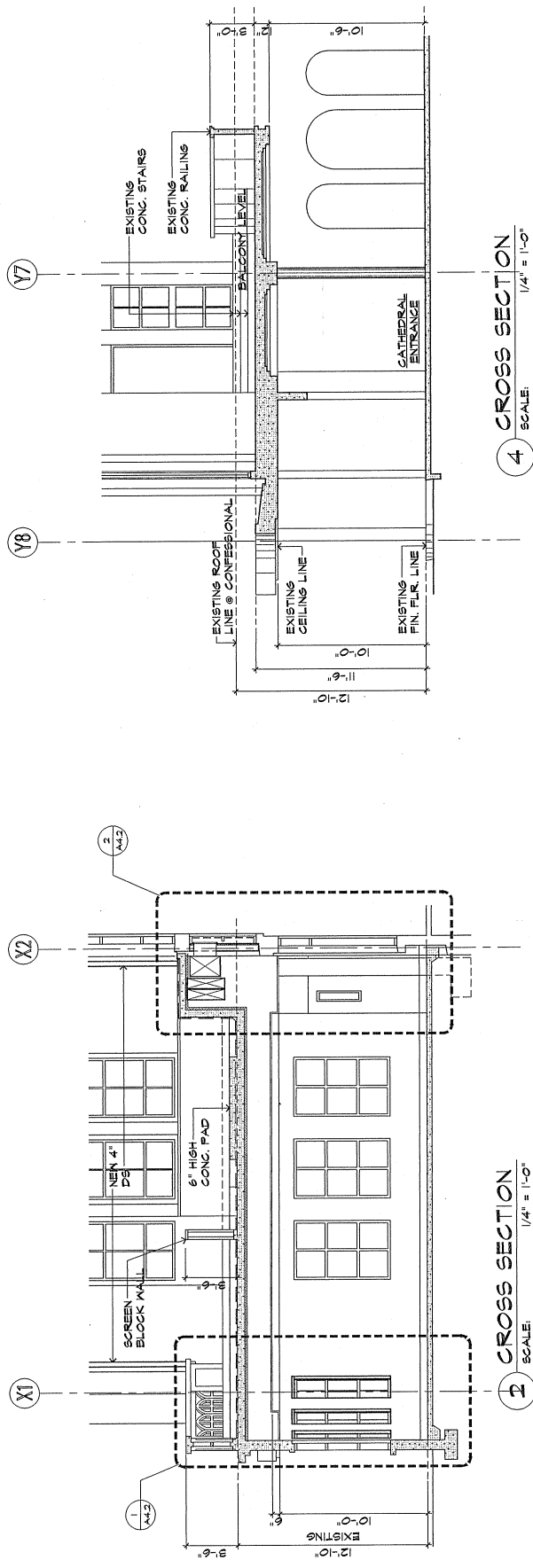
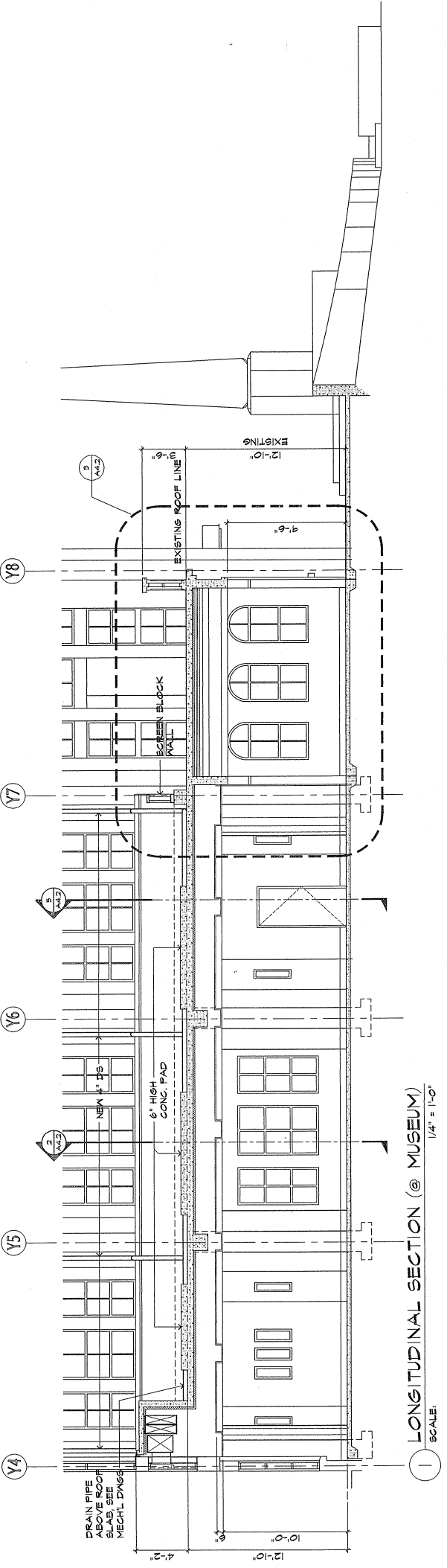




*Adrian*  
 I HEREBY CERTIFY THAT THIS DRAWING WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 JOB NO. 221-02

DRAWING TITLE:  
 BUILDING SECTIONS

DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	JCA/ATL
SUPERSEDED BY:	ATL/EAC
DRAWING NO.:	221-02-04
DATE:	07/27/06
SCALE:	AS SHOWN



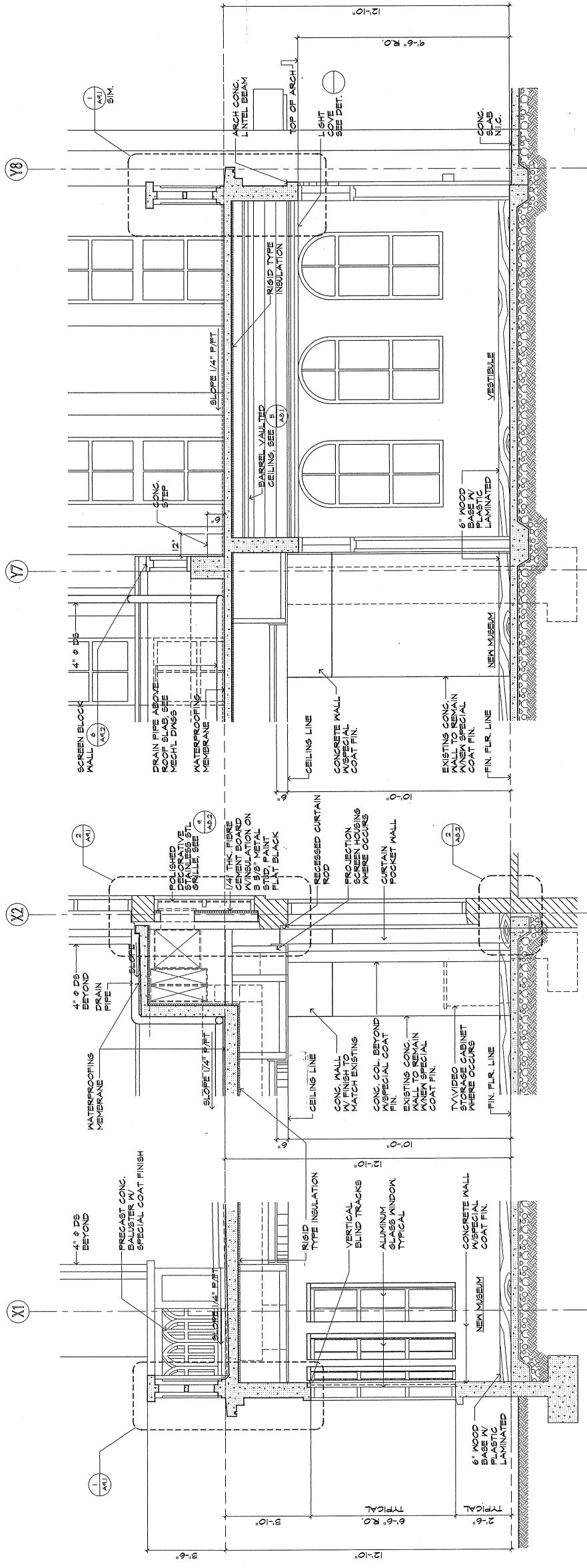




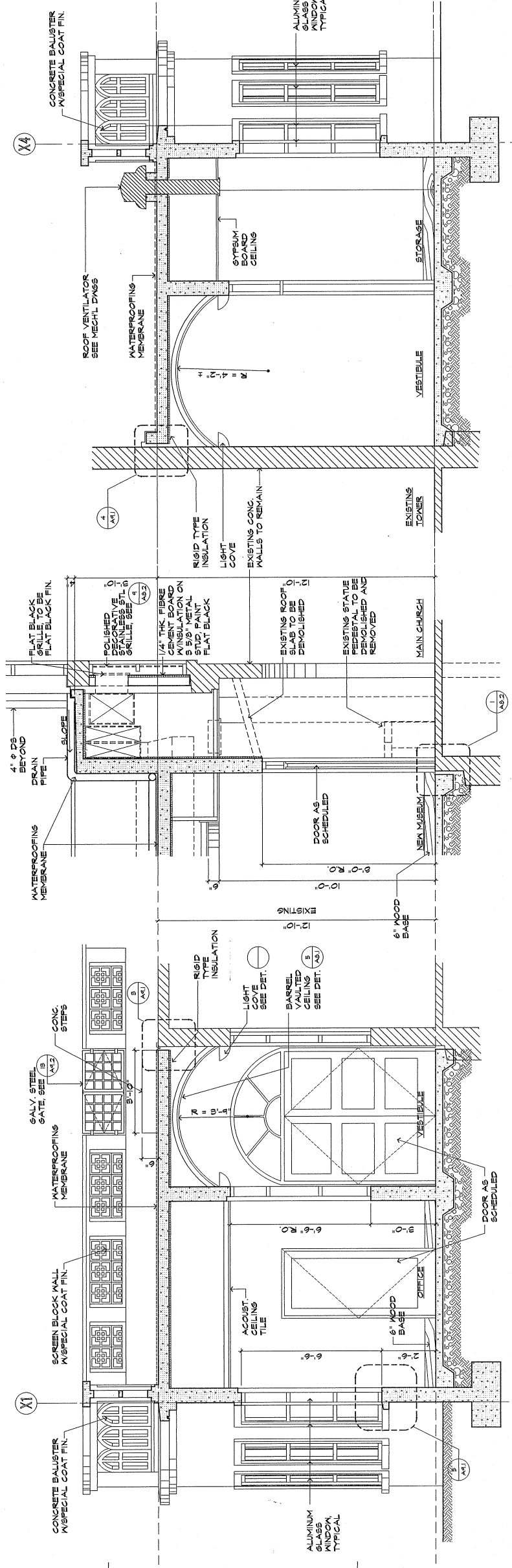
DRAWING TITLE: DETAILED WALL SECTIONS

DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	SCATL
SUPERVISED BY:	ATL/EAC
DRAWING NO.:	221-02-06
DATE:	08-27-06
CUSTOMER:	

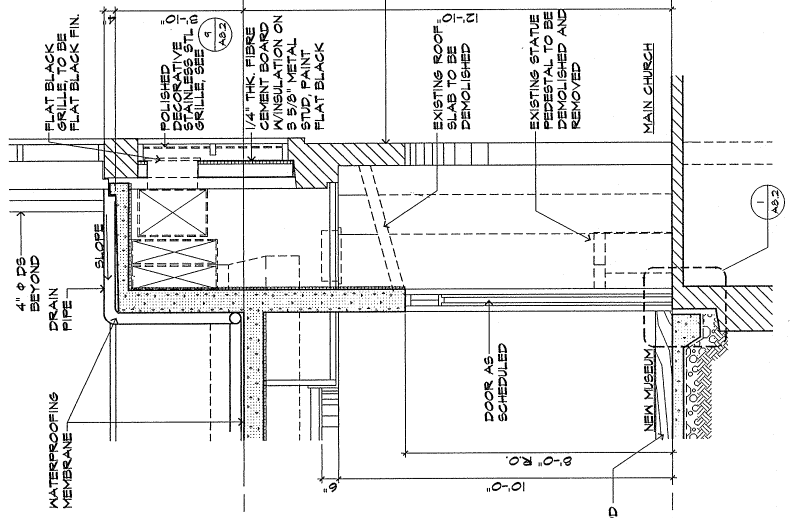
Scale: 1/2" = 1'-0"



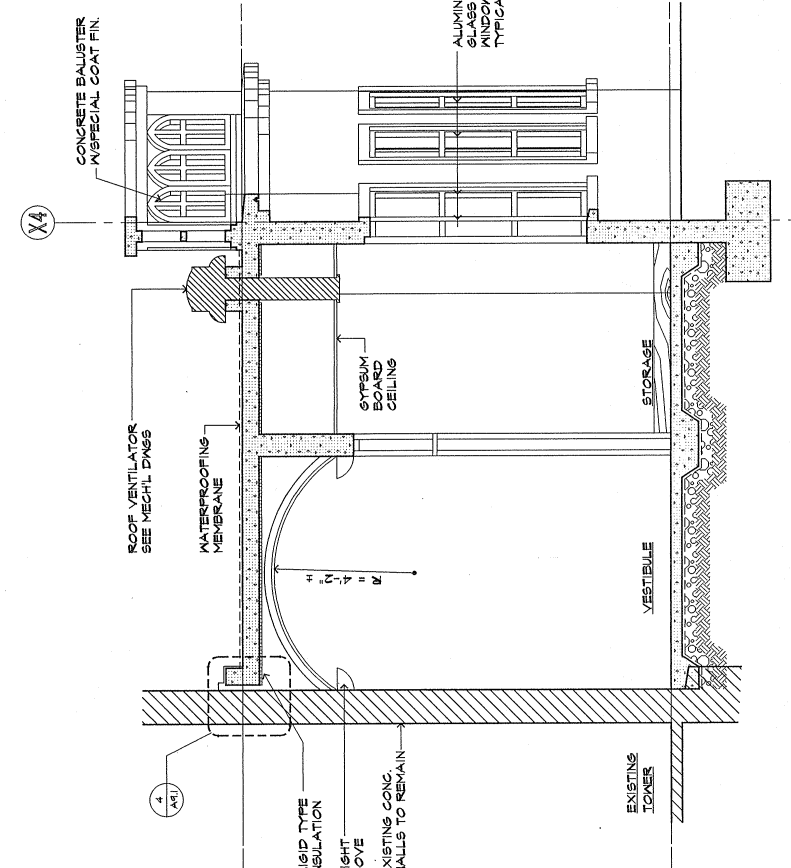
1 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.



2 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.



3 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.



4 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.

4 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.

5 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.

6 DETAILED WALL SECTION  
1/2" = 1'-0" SCALE.

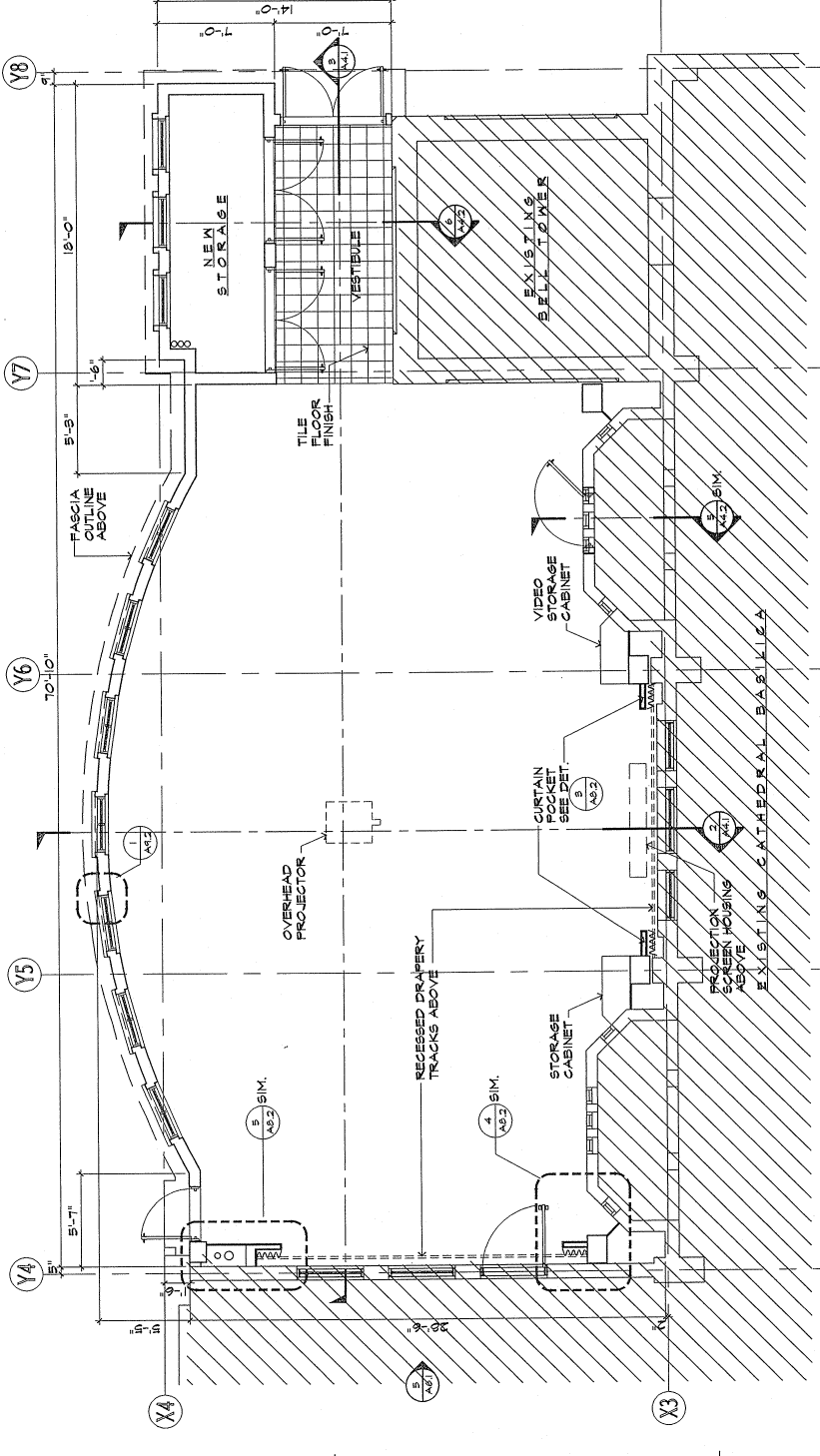


# FINISH AND COLOR LEGEND

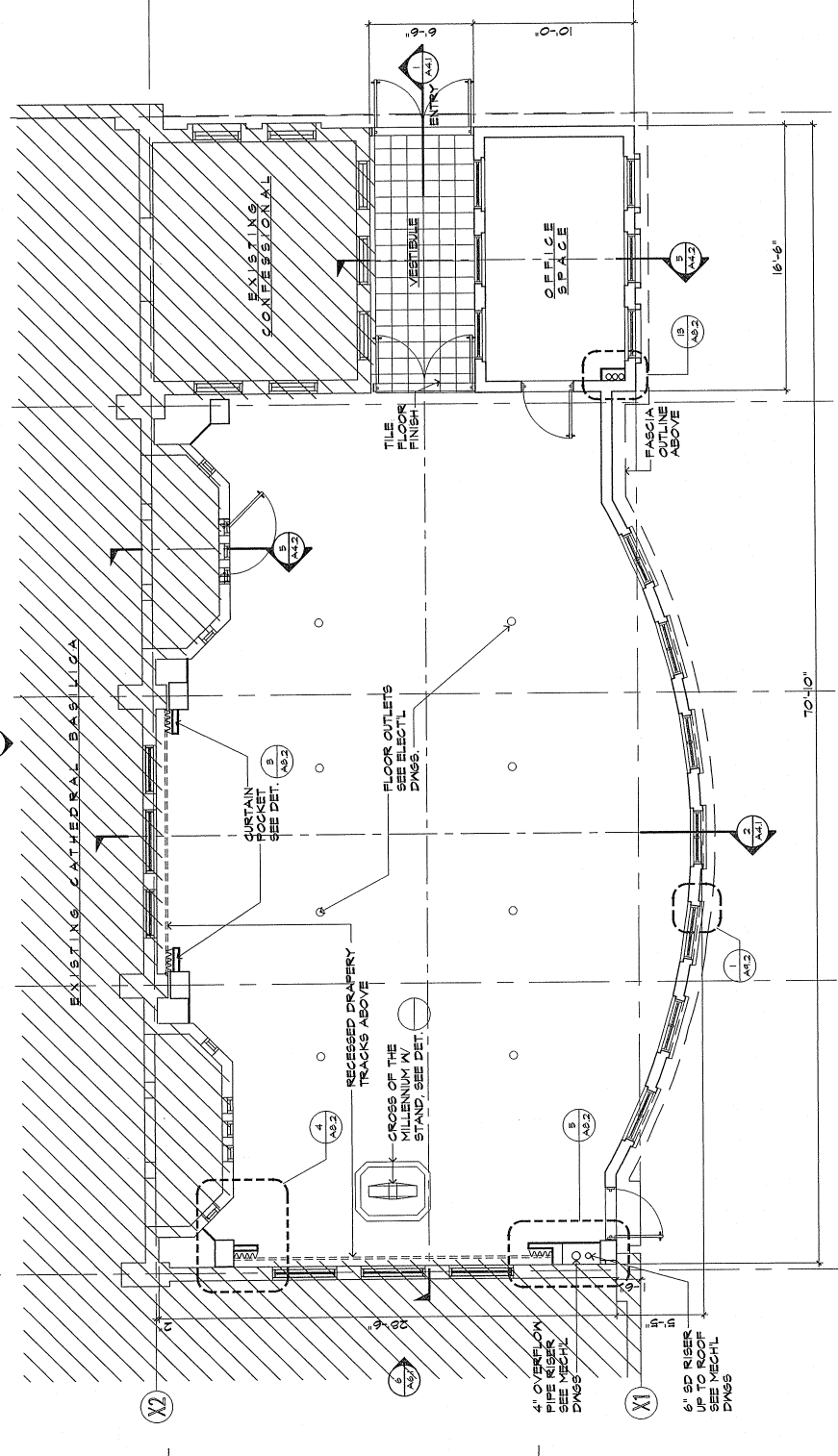
CODE	MATERIAL	MANUFACTURER/PRODUCT/NO.
A	EXTERIOR FIELD PAINT	SHERWIN WILLIAMS: DEVON CREAM TAT SW#2447
B	INTERIOR FIELD PAINT	SHERWIN WILLIAMS: MEDICI IVORY SW#1634
C	INTERIOR ACCENT PAINT	SHERWIN WILLIAMS: PURE WHITE SW#1004
D	ACOUSTICAL CEILING PANEL	CELOTEX: 24" X 24"
E	GYPSUM BOARD	
F	6" WOOD COVE BASE	OAK WITH CLEAR, NATURAL FINISH
G	GRANITE FLOORING (FIELD)	COLD SPRING GRANITE: TEXAS PINK - HONED
H	GRANITE FLOORING (ACCENT)	COLD SPRING GRANITE: TEXAS PINK - POLISHED

# ROOM FINISH AND COLOR SCHEDULE

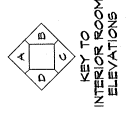
ROOM NAME	FLOOR	BASE	WALL A	WALL B	WALL C	WALL D	CEILING FINISH HGT.
CONFERENCE ROOM	F, G	E	B	B	B	B	C/D/E 10'-0"
NEW STORAGE	F, G	-	B	B	B	B	C/E 10'-0"
VESTIBULE A	F, G	E	B	B	B	B	C/E -
MUSEUM	F, G	E	B	B	B	B	C/D/E 10'-0"
OFFICE SPACE	F, G	E	B	B	B	B	D 10'-0"
VESTIBULE B	F, G	E	B	B	B	B	C/E -



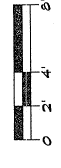
1 DETAILED PLAN - CONFERENCE ROOM  
1/4" = 1'-0"  
SCALE.



2 DETAILED PLAN - MUSEUM  
1/4" = 1'-0"  
SCALE.



KEY TO INTERIOR ROOM ELEVATIONS



**MCL**  
Martin Cichochal Janusa  
ARCHITECTURE PLANNING  
415 Humana Loop Blvd  
Miami, FL 33131  
TEL: (771) 456-4567 FAX: (771) 456-4568  
GITAM

**CIVIL:**  
J.M. AQUINO, PE  
Julie Shopping Center, Suite 233  
Aguana, Guam 96910

**STRUCTURAL:**  
J.M. AQUINO, PE  
Julie Shopping Center, Suite 233  
Aguana, Guam 96910

**MECHANICAL:**  
LRA & ASSOCIATES  
P.O. Box 9177  
Dededo, Guam 96912

**ELECTRICAL:**  
A.S. DELGADO & ASSOCIATES  
P.O. Box 9178  
Aguana, Guam 96910

**LANDSCAPE:**  
BET COLLINS  
602, Bldg. 200, Suite 600-A  
414 W. Soledad Avenue  
Aguana, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA  
AGANA, GUAM



APPROVED BY ME OR UNDER MY CLOSE SUPERVISION  
DATE: 11/11/2021  
JOB NO. 221-02

DRAWING TITLE:  
DETAILED PLAN  
MUSEUM  
CONFERENCE ROOM  
FINISH SCHEDULE

DESIGNED BY: ATL  
DRAWN BY: KM  
CHECK BY: JCA/ATL  
SUPERVISED BY: ATL/EAC  
TRAINING NO. 825-000007  
CATEGORY:

DATE: 11-11-21  
SHEET NO. 1  
TOTAL SHEETS 1



**CIVIL:**  
**J.M. AQUINO, PE**  
Julide Shopping Center, Suite 233  
Agaña, Guam 96910

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julide Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 8177  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
P.O. Box 8177  
Dededo, Guam 96912

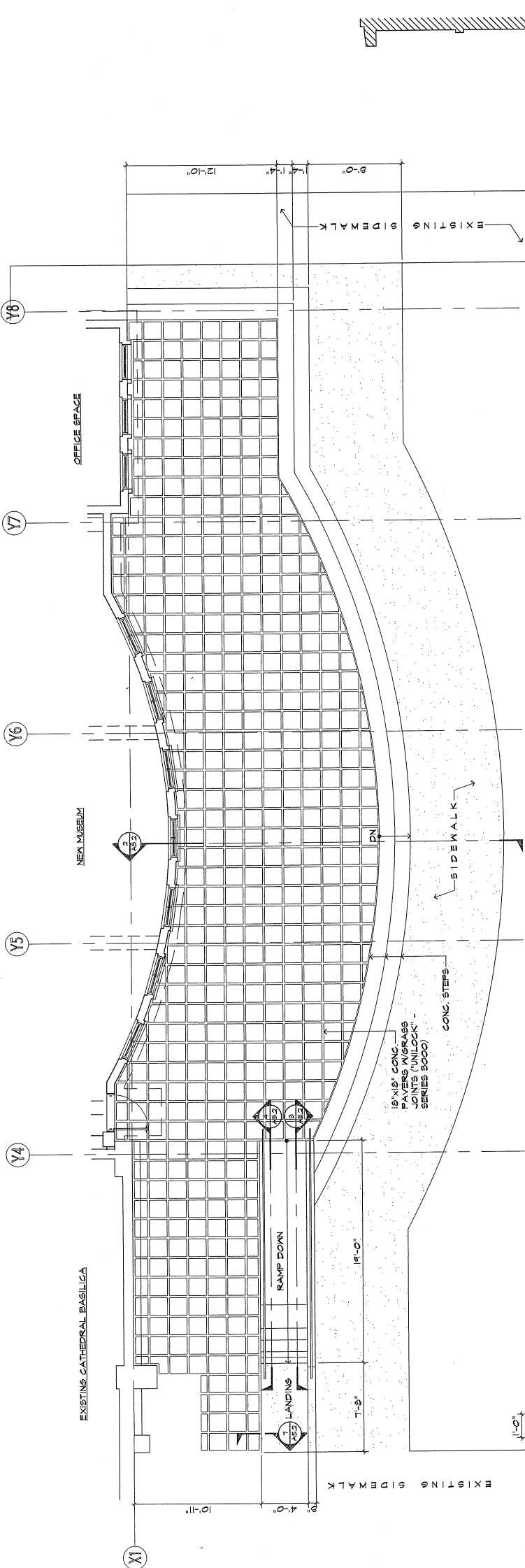
**LANDSCAPE:**  
**BELT COLLINS**  
825 Bldg., Suite 600-A  
414 W. Saiboad Avenue  
Agaña, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL BASILICA  
AGANA, GUAM

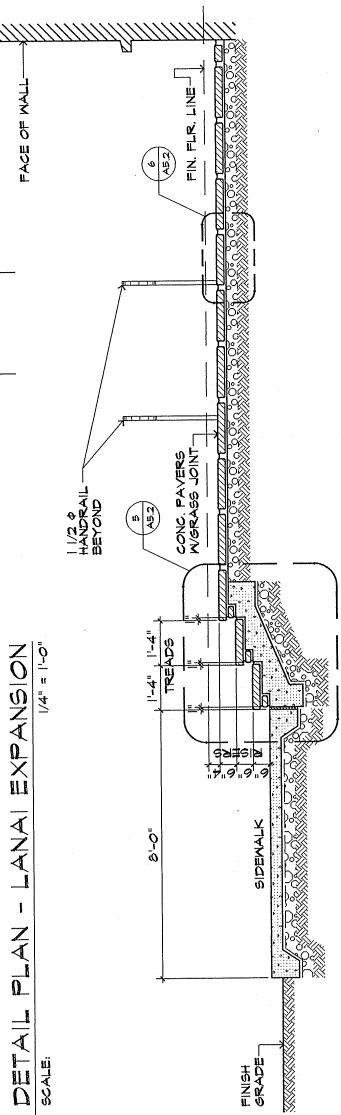


DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: JCAVATL  
SUPERSEDED BY: ATL/EG  
DRAWING NO. 221-02  
JOB NO. 221-02

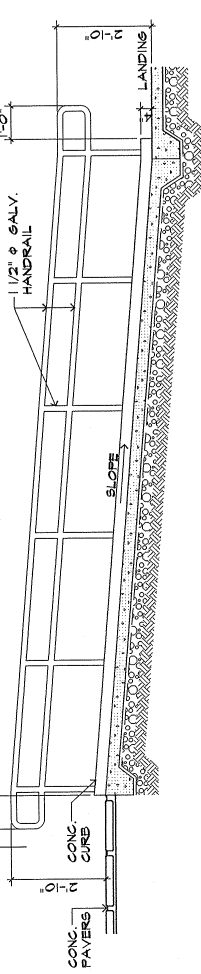
DESIGNED BY:	ATL
DRAWN BY:	KM
CHECKED BY:	JCAVATL
SUPERSEDED BY:	ATL/EG
DRAWING NO.:	221-02
JOB NO.:	221-02
DATE:	11-27-96
SCALE:	AS SHOWN
PROJECT:	MUSEUM & CONFERENCE CENTER
SHEET NO.:	2
TOTAL SHEETS:	5
PROJECT NO.:	A



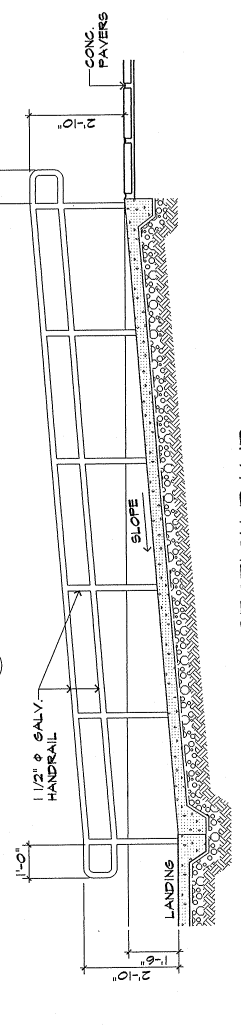
1 DETAIL PLAN - LANAI EXPANSION  
SCALE: 1/4" = 1'-0"



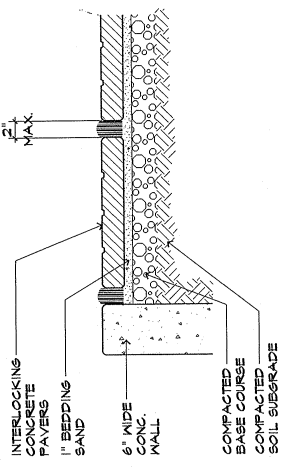
2 SECTION  
SCALE: 1/2" = 1'-0"



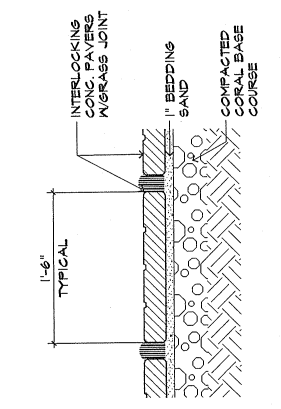
3 SECTION RAMP  
SCALE: 1/2" = 1'-0"



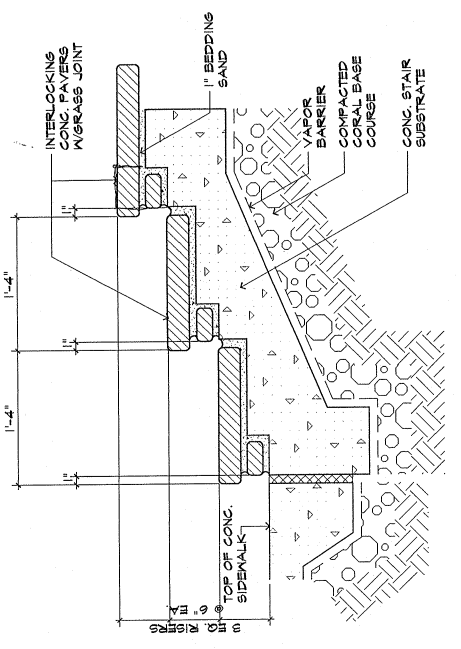
4 SECTION RAMP  
SCALE: 1/2" = 1'-0"



7 PAVER DETAIL  
SCALE: 1 1/2" = 1'-0"

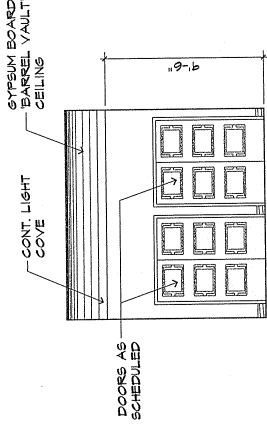


6 PAVER DETAIL  
SCALE: 1 1/2" = 1'-0"

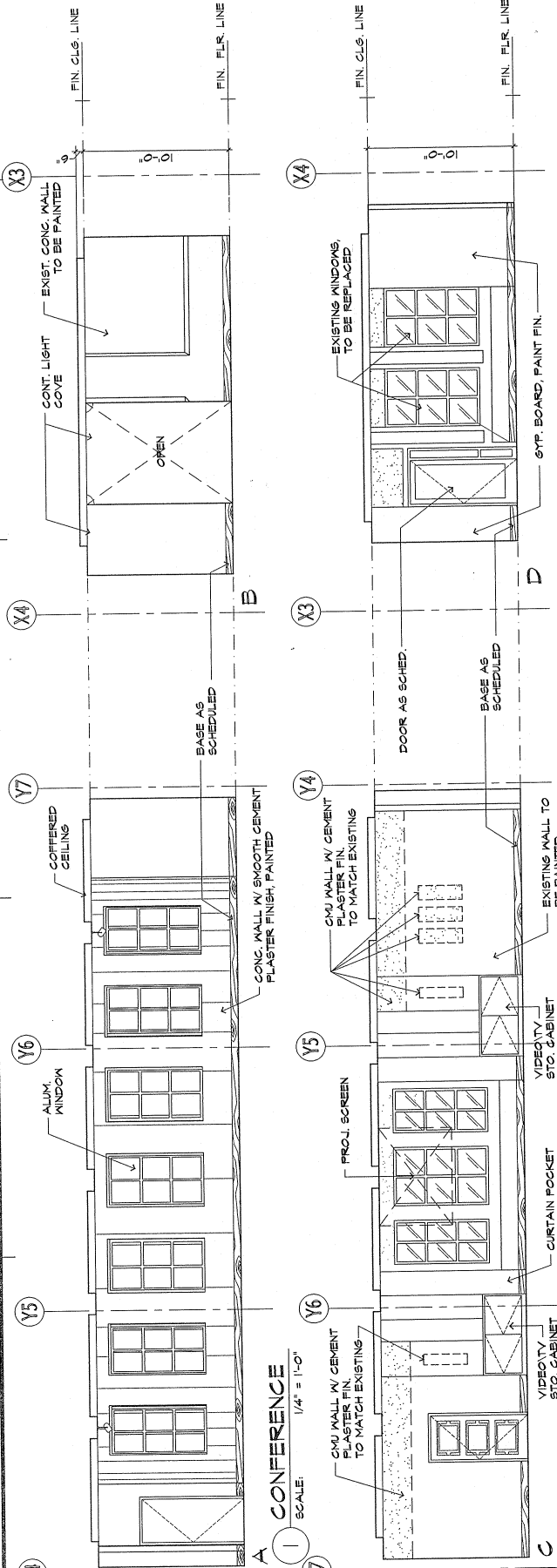


5 STEP DETAIL  
SCALE: 1 1/2" = 1'-0"

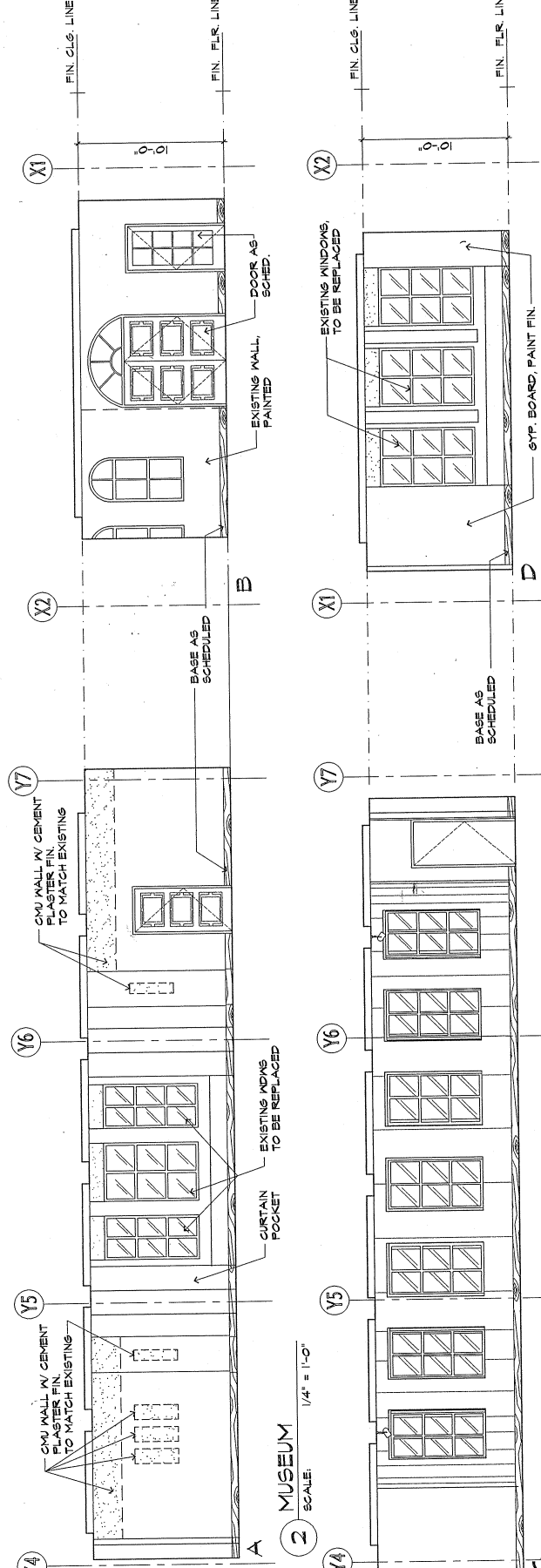




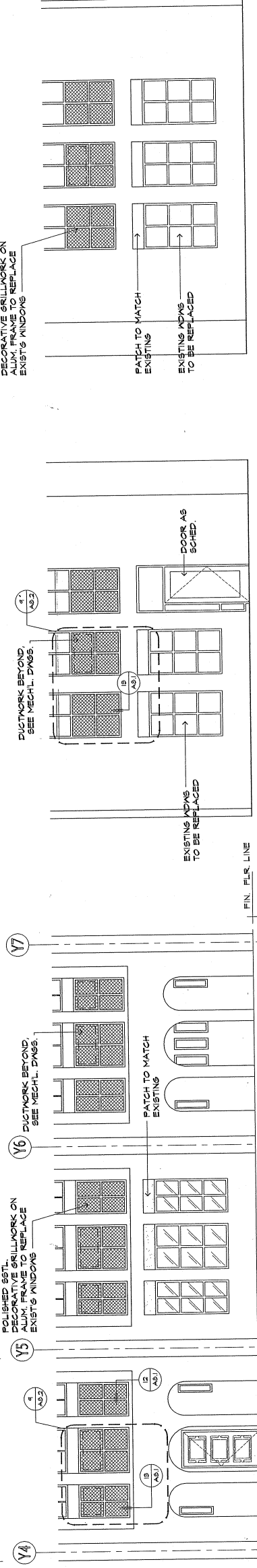
**3 HALLWAY**  
SCALE: 1/4" = 1'-0"



**1 CONFERENCE**  
SCALE: 1/4" = 1'-0"

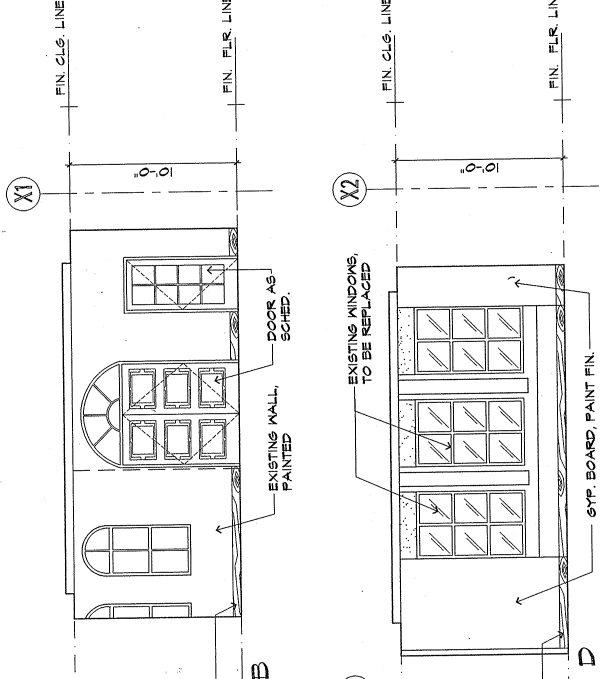


**2 MUSEUM**  
SCALE: 1/4" = 1'-0"



**4 AS SEEN FROM CATHEDRAL INTERIOR**  
SCALE: 1/4" = 1'-0"

\* CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS



**5 AS SEEN FROM WEST TRANSEPT FACING NORTH**  
SCALE: 1/4" = 1'-0"



**6 AS SEEN FROM EAST TRANSEPT FACING NORTH**  
SCALE: 1/4" = 1'-0"



**CIVIL:**  
**JM AQUINO PE**  
 Jubile Shopping Center, Suite 233  
 Agaña, Guam 98910

**STRUCTURAL:**  
**JM AQUINO PE**  
 Jubile Shopping Center, Suite 233  
 Agaña, Guam 98910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
 P.O. Box 9177 98912  
 98999, Guam 98912

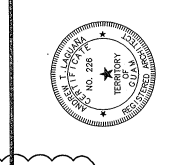
**ELECTRICAL:**  
**AS DELGADO & ASSOCIATES**  
 P.O. Box 3189  
 Agaña, Guam 98910

**LANDSCAPE:**  
**BELT COLLINS**  
 CFC Building, Suite 600-A  
 Agaña, Guam 98910

**CONTRACTOR TO VERIFY EXISTING WINDOW FINISH**

**CONTRACTOR TO VERIFY EXISTING OBSERVED GLASS**

**DULCE NOMBRE DE MARIA CATHEDRAL-BASILICA**  
 GUAM  
 AGANA



**JOB NO. 22102**

1. I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF GUAM.

DESIGNED BY: ATL  
 DRAWN BY: P/M/AM  
 CHECKED BY: JCA/ATL  
 SUPERVISOR BY: ATL/EAC  
 DRAWING NO.: 7-1  
 DATE: 4-27-06  
 SHEET NO.: 1

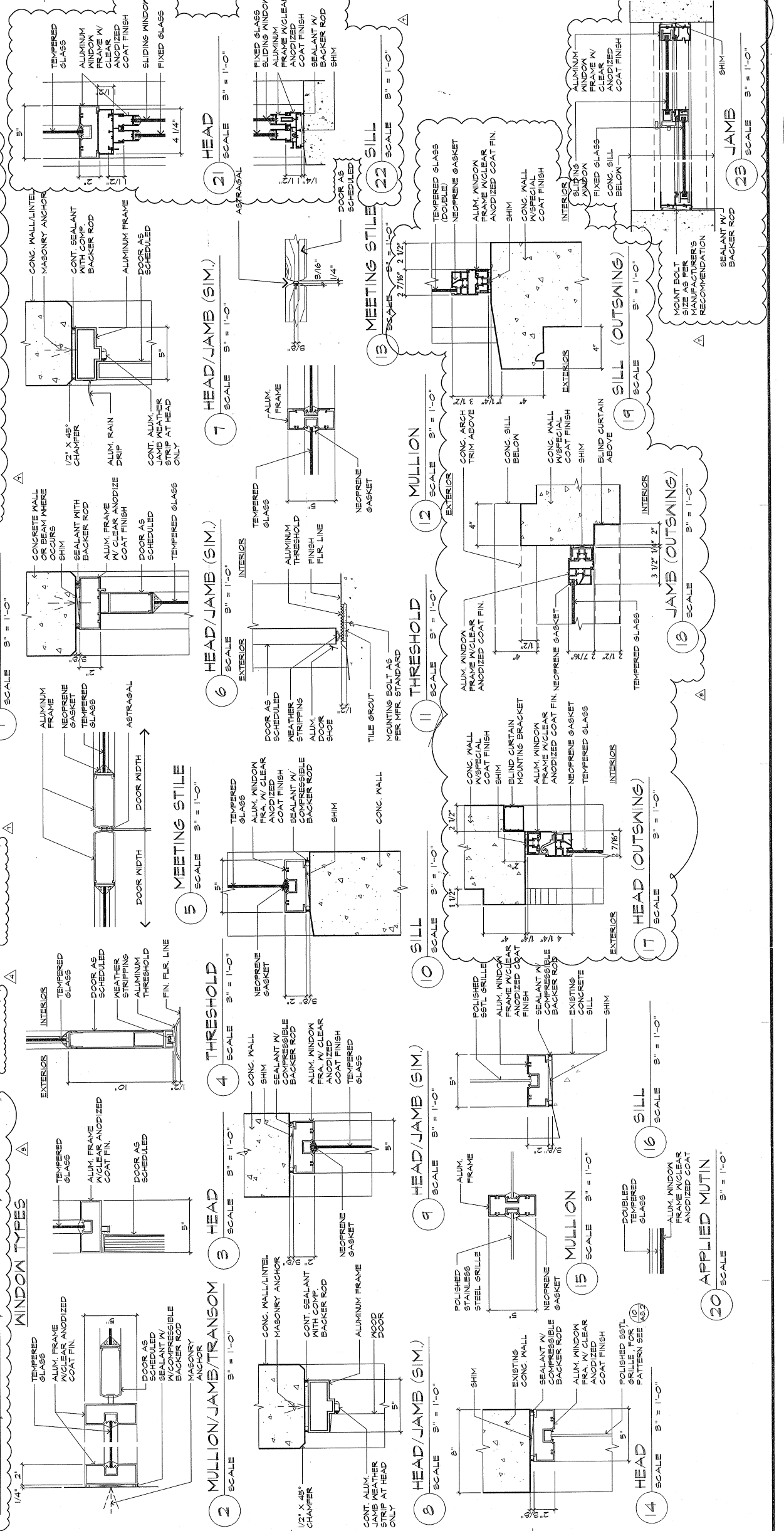
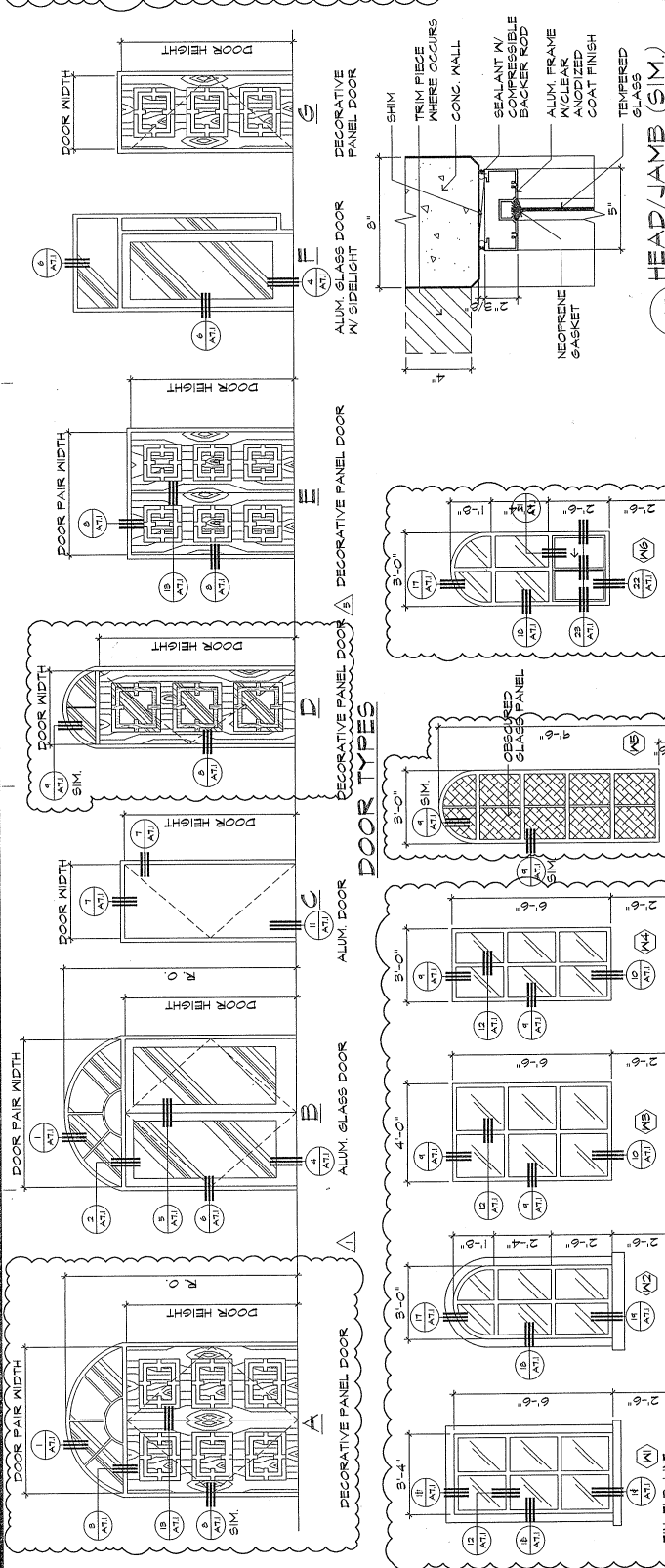
### DOOR SCHEDULE

DOOR MARK	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	THICK-NESS	CONSTRUCTION	DOOR FRAME	HPAR GROUP	VISION GLASS	REMARKS
101a	C	3'-0"	7'-0"	1-3/4"	MTL	CLEAR ALUM. ANOD.	HA-6		
102a	A	3'-0"	7'-0"	1-3/4"	SCND	P ALUM.	HA-2		
102b	B	3'-0"	7'-0"	1-3/4"	AL/CL	CLEAR ALUM. ANOD.	HA-1		
102c	C	2'-0"	7'-0"	1-3/4"	SCNS	P ALUM.	HA-3		DELETED W/G GLASS PANEL CONTRACTOR TO VERIFY DR. HGT.
103a	D	3'-0"	8'-0"	1-3/4"	SCND	P ALUM.	HA-6		
201a	C	3'-0"	7'-0"	1-3/4"	MTL	P ALUM.	HA-4		N/SIDELIGHT
201b	F	3'-0"	7'-0"	1-3/4"	SCND	P ALUM.	HA-3		
202a	B	3'-0"	7'-0"	1-3/4"	AL/CL	CLEAR ALUM. ANOD.	HA-1		
202b	E	2'-6"	7'-0"	1-3/4"	SCND	P ALUM.	HA-5		
203a	E	3'-0"	7'-0"	1-3/4"	SCND	P ALUM.	HA-5		

### WINDOW SCHEDULE

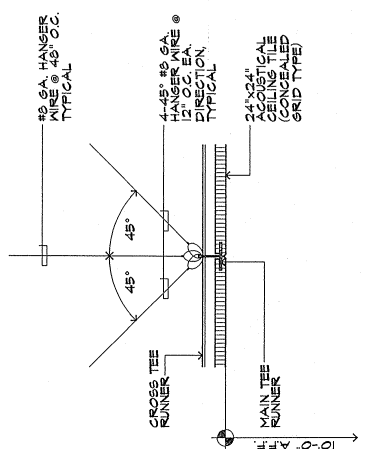
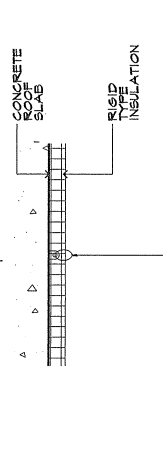
WINDOW MARK	WINDOW SHAPE	WIDTH	HEIGHT	FRAME MATERIAL	GLASS THK.	TYPE	REMARKS
M1	3'-4"	6'-6"	ALUM.	MANUF. REC.	TEMP.		
M2	3'-0"	6'-6"	ALUM.	MANUF. REC.	TEMP.		
M3	4'-0"	6'-6"	ALUM.	MANUF. REC.	TEMP.		
M4	3'-0"	6'-6"	ALUM.	MANUF. REC.	TEMP.		
M5	3'-0"	9'-0"	ALUM.	MANUF. REC.	TEMP.		
M6	3'-0"	2'-6"	ALUM.	MANUF. REC.	TEMP.		



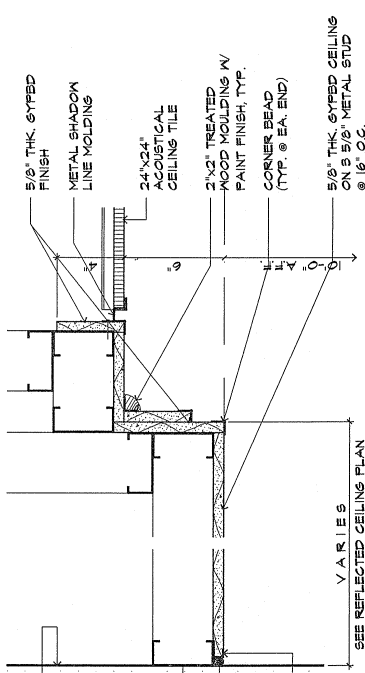
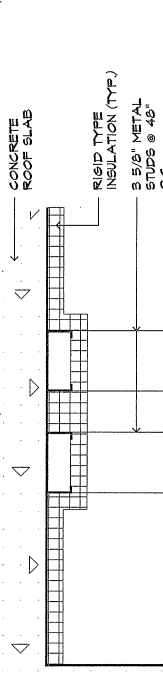




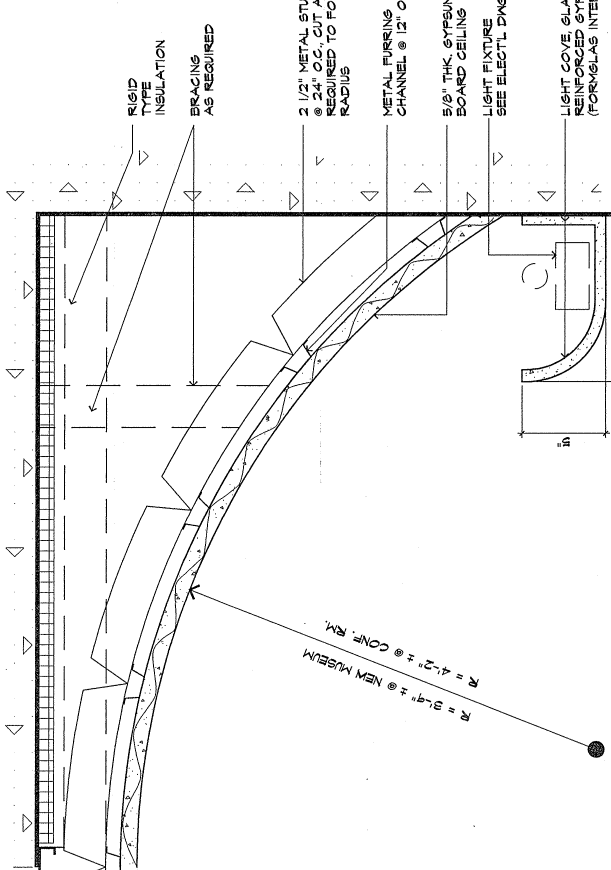
DRAWING TITLE:		INTERIOR DETAILS	
DESIGNED BY:	ATL	DRAWN BY:	KM
CHECKED BY:	JCAVATL	SUPERSEDED BY:	ATLEAC
DRAWING NO.:	88P-0207-01	CATEGORY:	
DATE:	8/16/16	SCALE:	AS SHOWN
PROJECT:	MUSEUM		



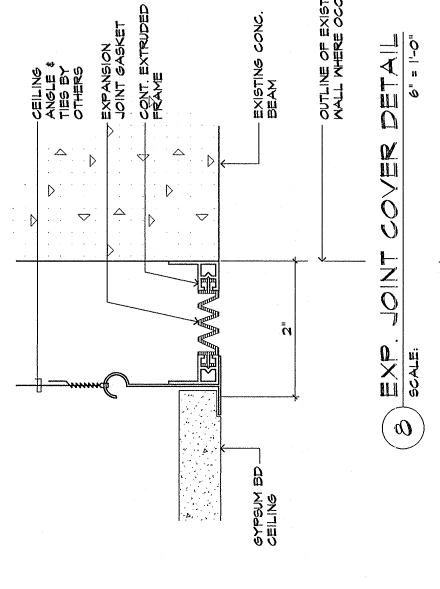
1 CEILING DETAIL @ WALL  
SCALE: 3/8" = 1'-0"



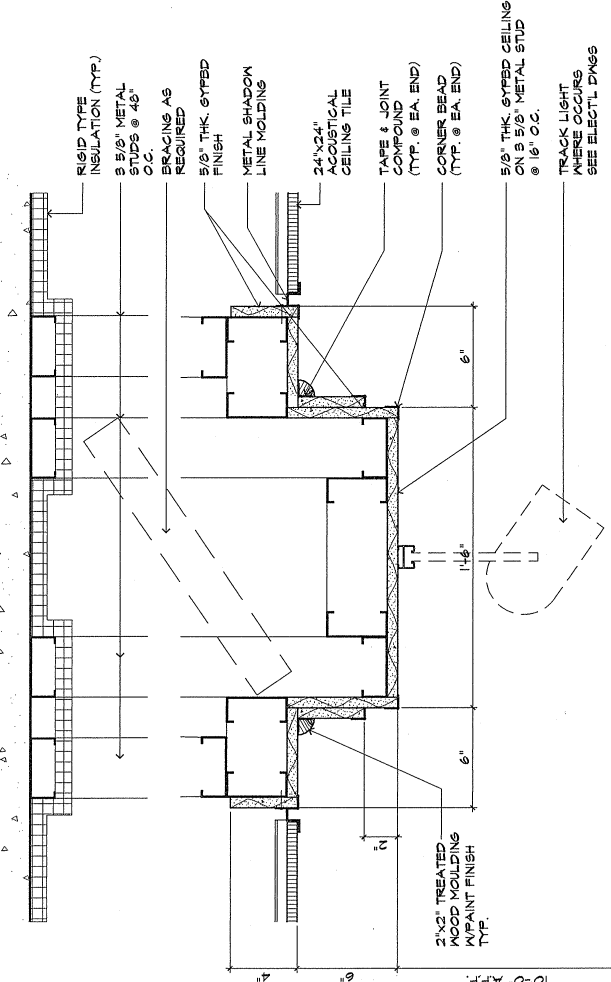
2 SOFFIT DETAIL  
SCALE: 3/8" = 1'-0"



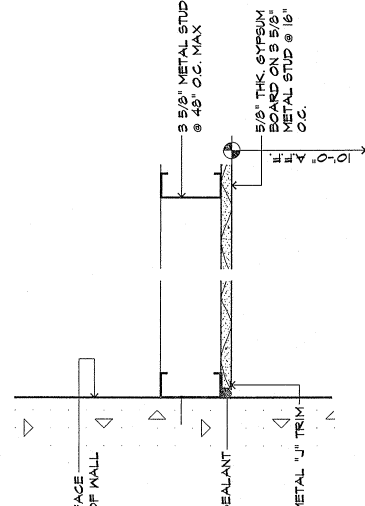
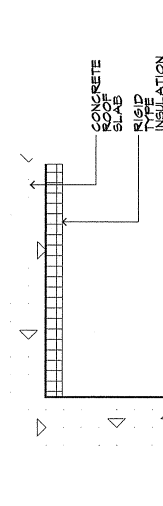
5 CEILING DETAIL @ VESTIBULE  
SCALE: 3/8" = 1'-0"



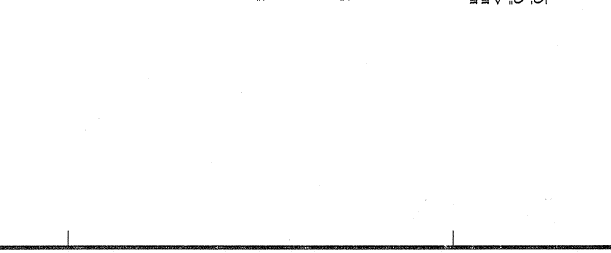
6 CEILING DETAIL @ WALL  
SCALE: 3/8" = 1'-0"



7 PROJECTION SCREEN HOUSING DETAIL  
SCALE: 1/2" = 1'-0"

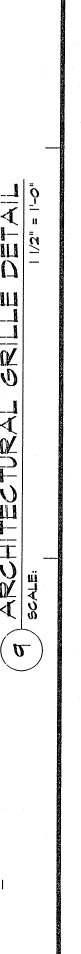
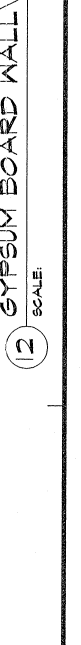
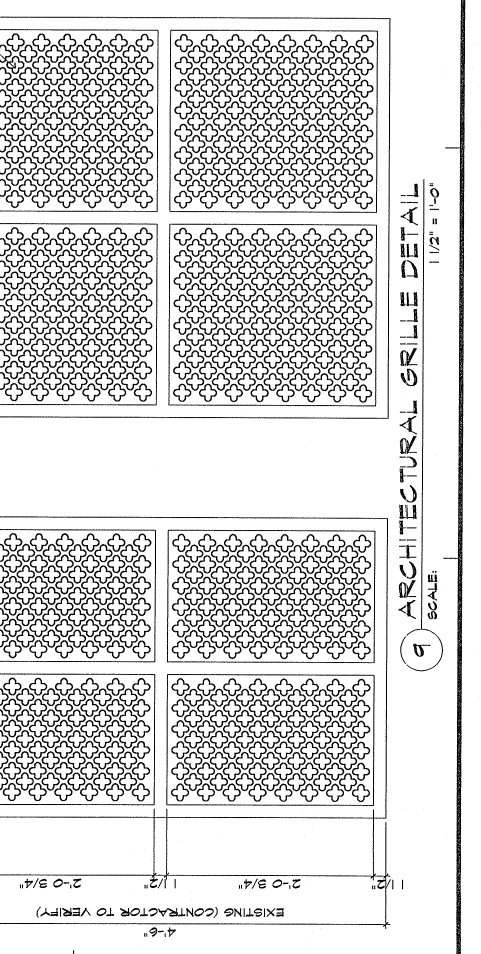
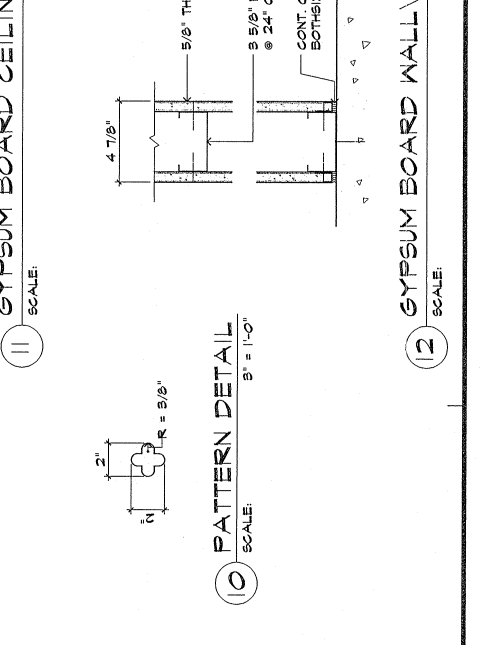
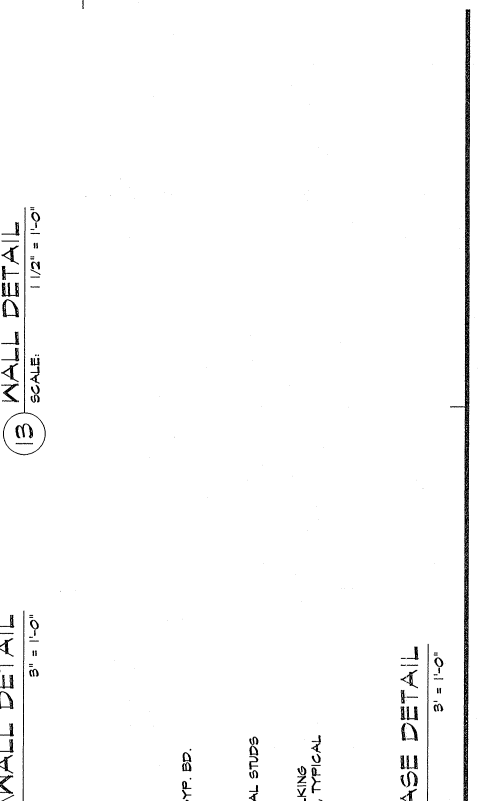
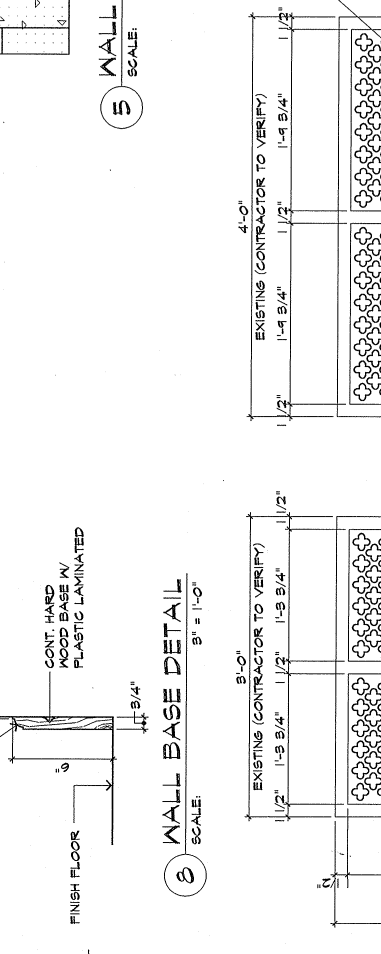
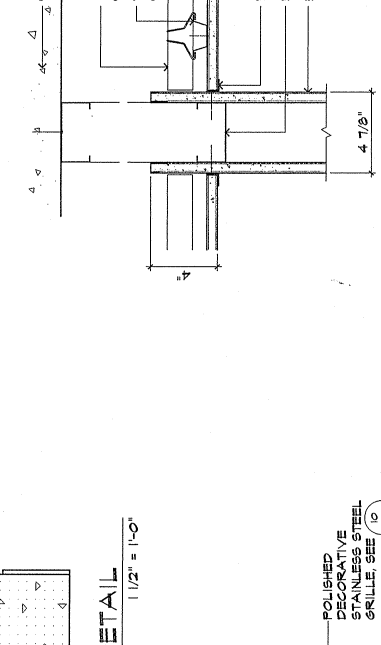
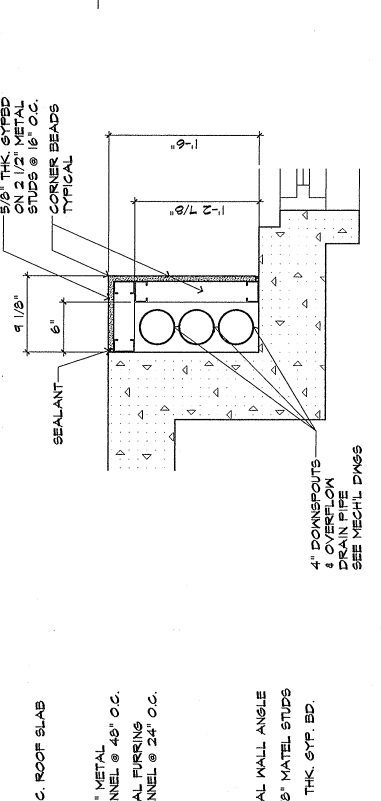
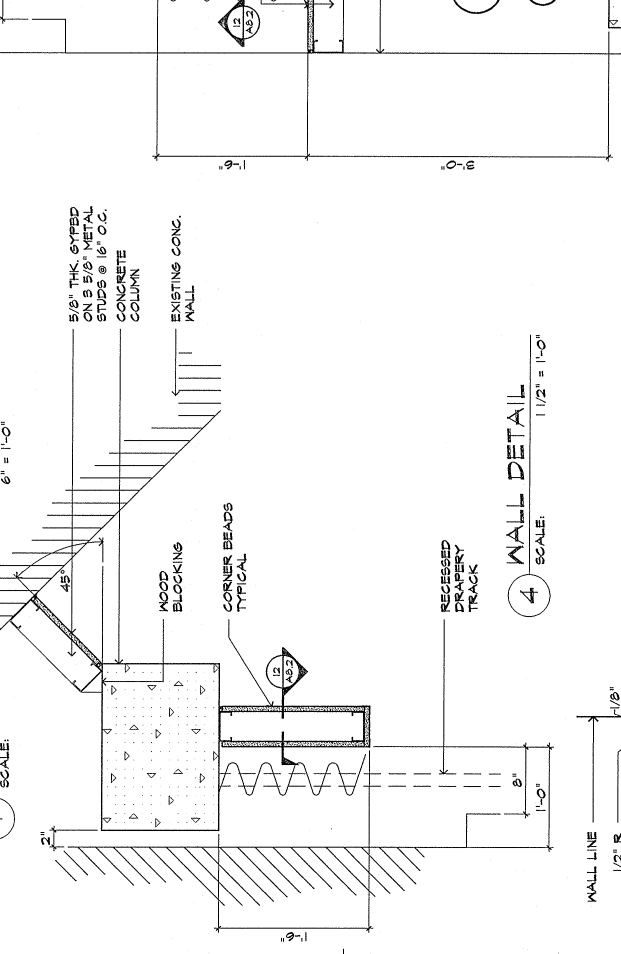
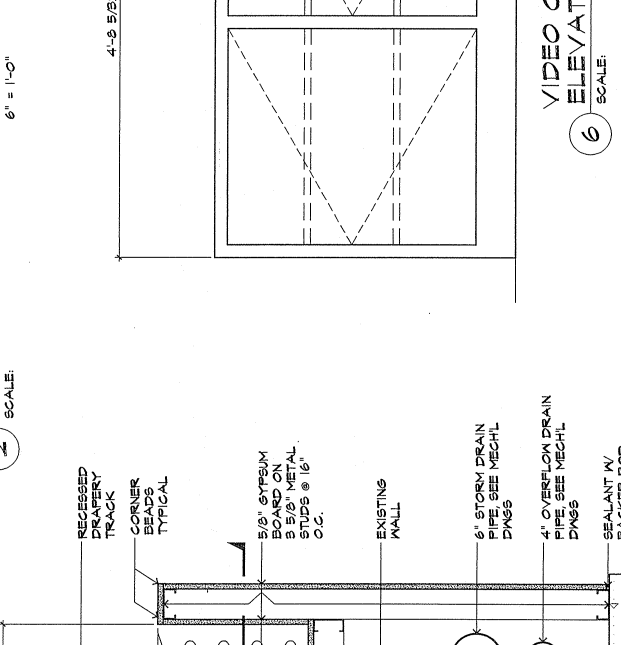
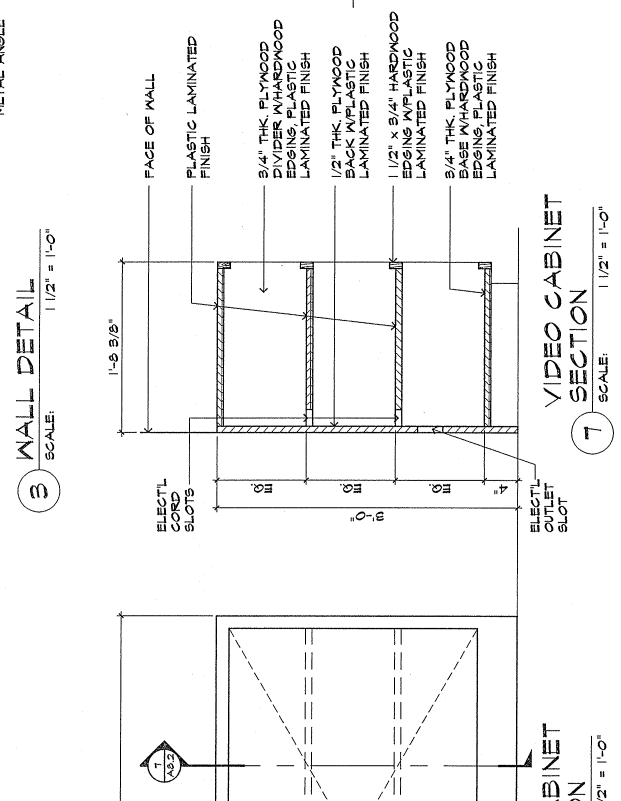
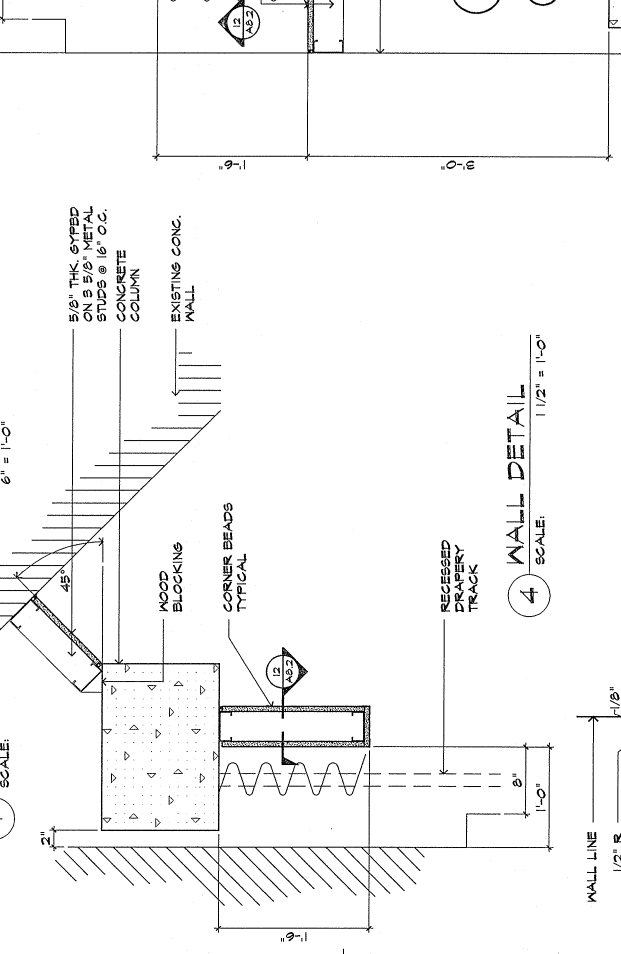
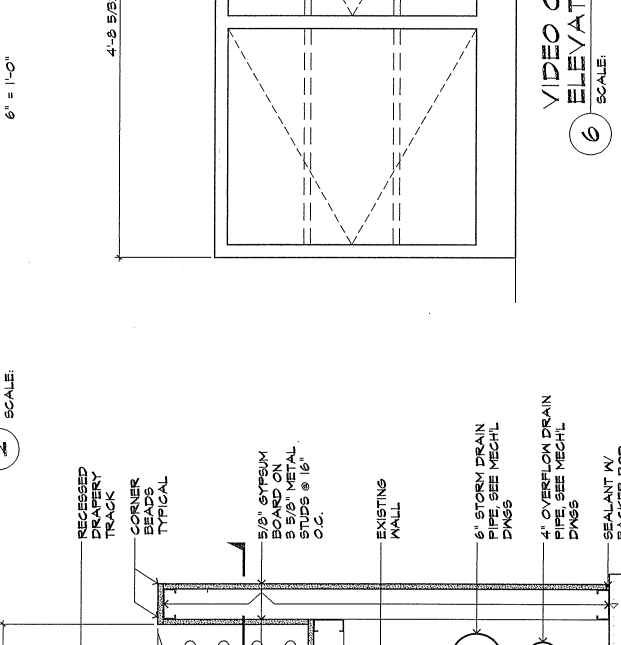
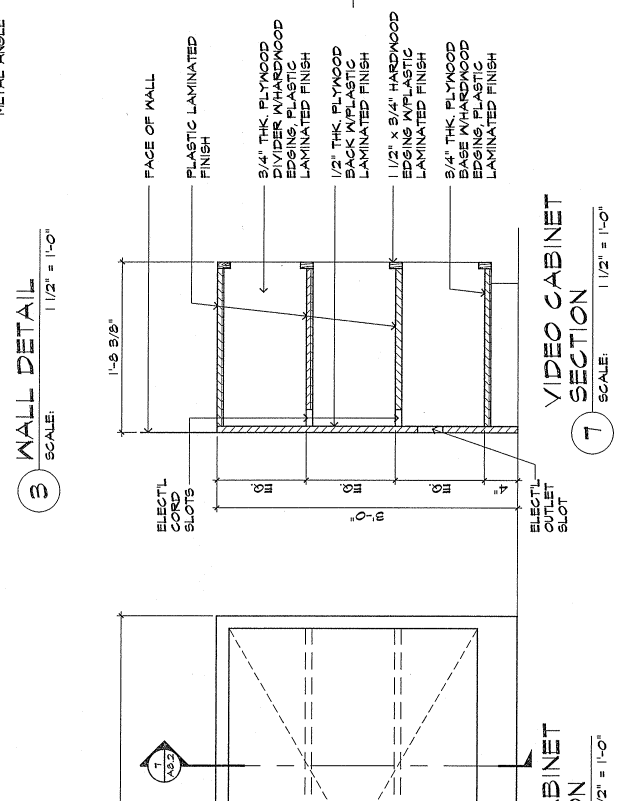
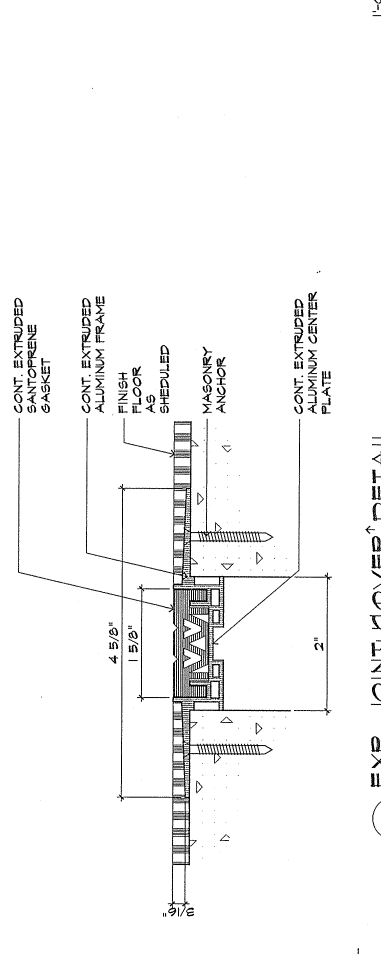
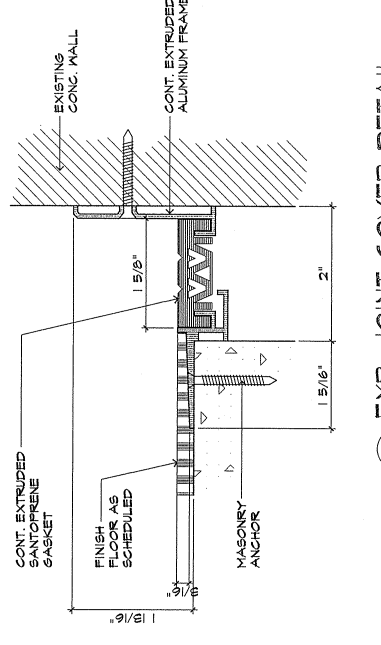
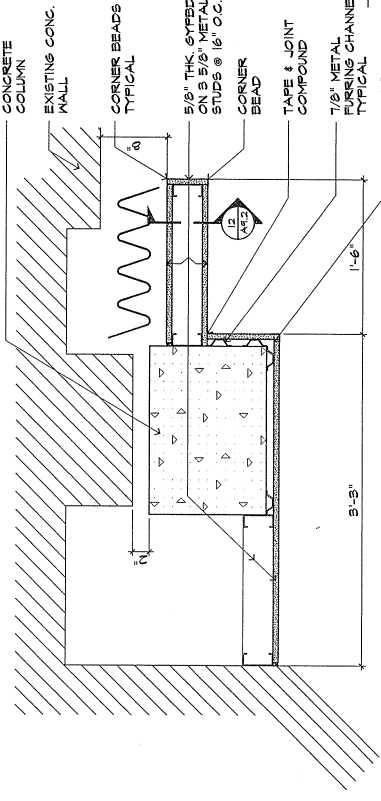


8 CEILING DETAIL @ WALL  
SCALE: 3/8" = 1'-0"



10 CEILING DETAIL @ WALL  
SCALE: 3/8" = 1'-0"





**CIVIL:**  
JM. AQUINO, PE  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

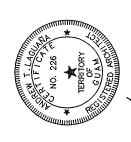
**STRUCTURAL:**  
JM. AQUINO, PE  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
LRA & ASSOCIATES  
P.O. Box 9177  
Dededo, Guam 96912

**ELECTRICAL:**  
A.S. DELGADO &  
ASSOCIATES  
Agaña, Guam 96910

**LANDSCAPE:**  
BET COLLINS  
CSC, Building 800-A  
414 W. Salsodad Avenue  
Agaña, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
DULCE NOMBRE DE MARIA  
CATHEDRAL - BASILICA  
AGANA, GUAM



JOB NO. 221-02

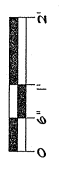
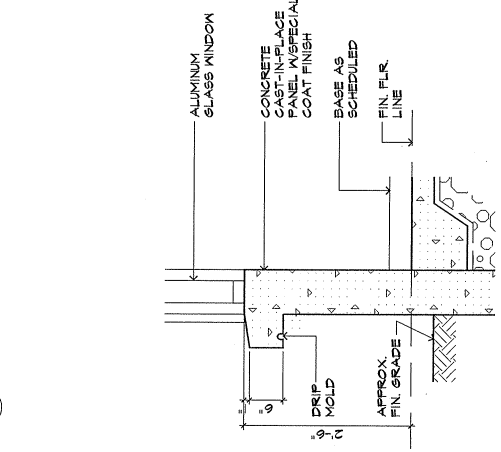
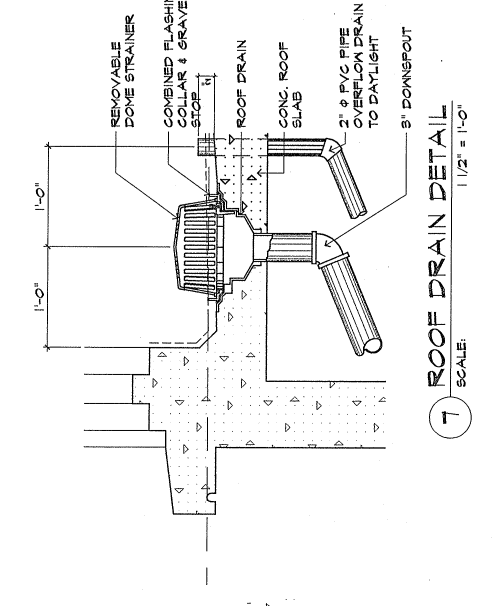
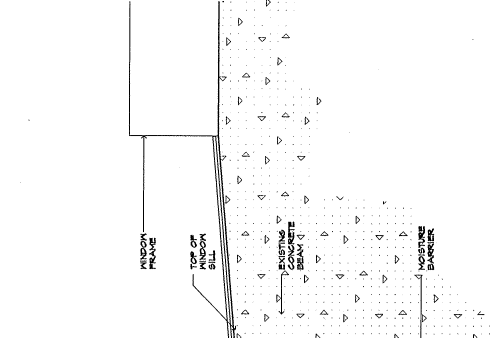
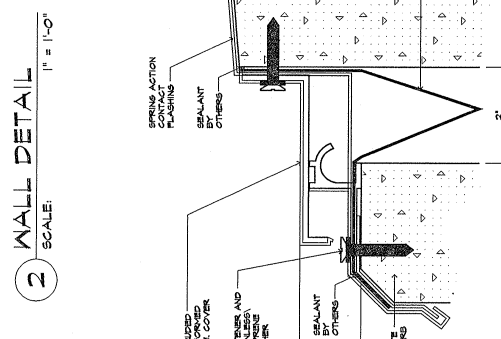
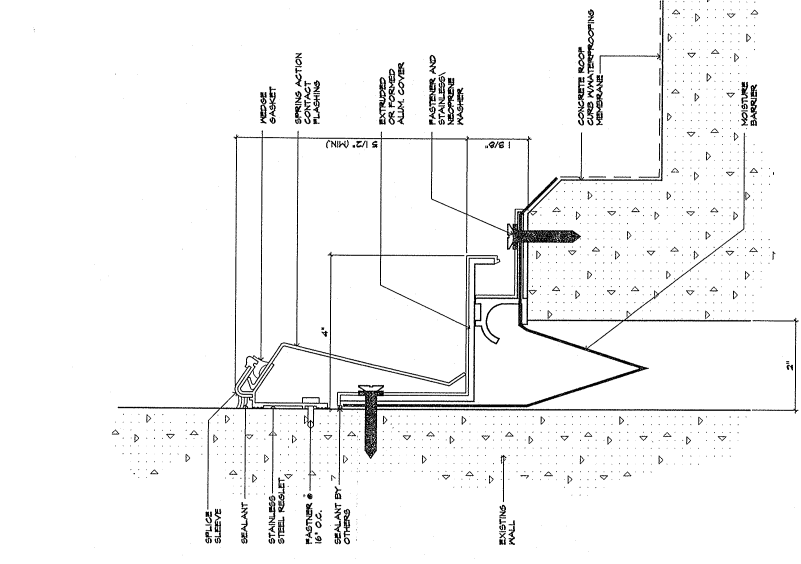
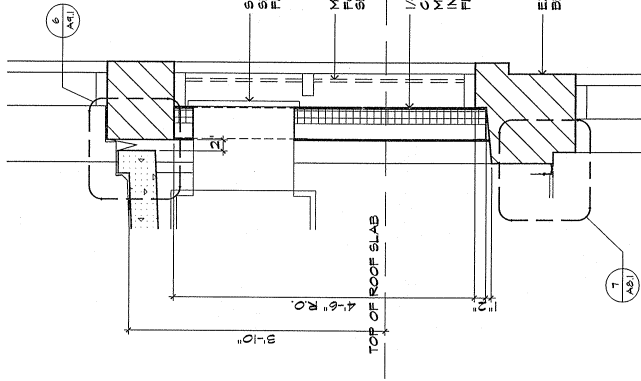
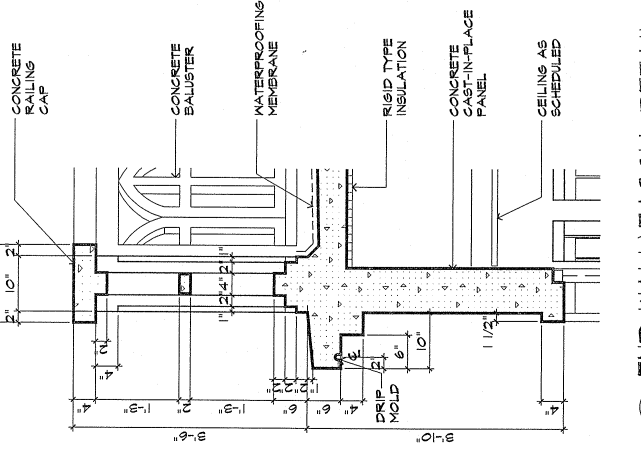
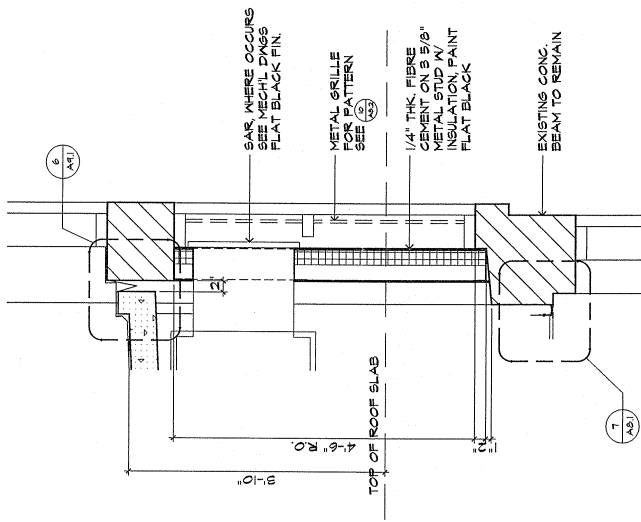
DRAWING TITLE:  
EXTERIOR DETAILS

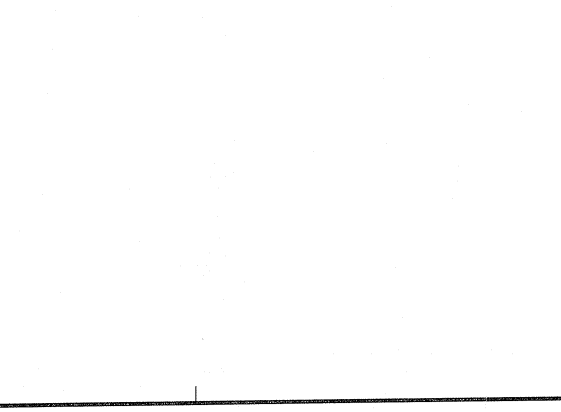
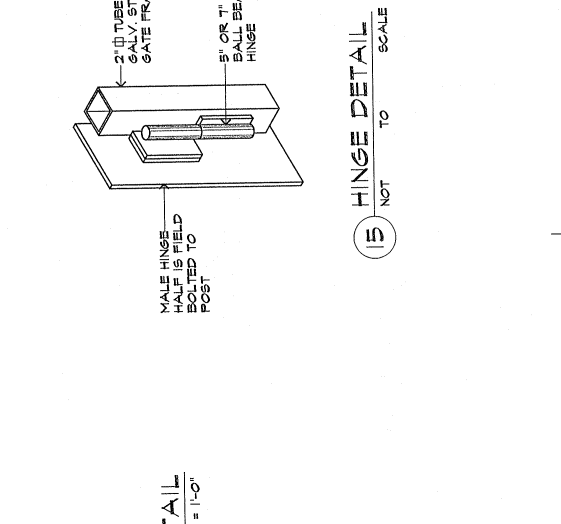
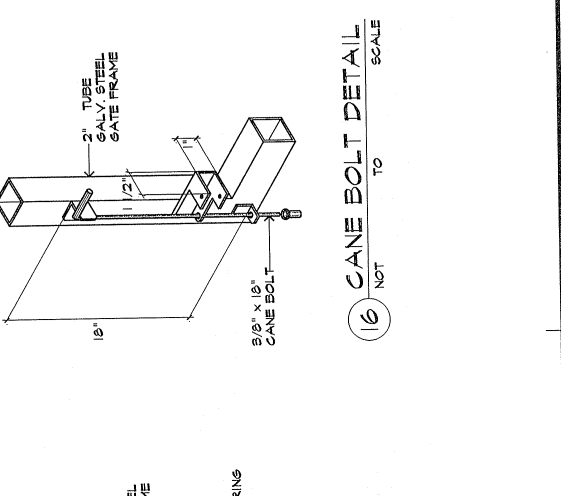
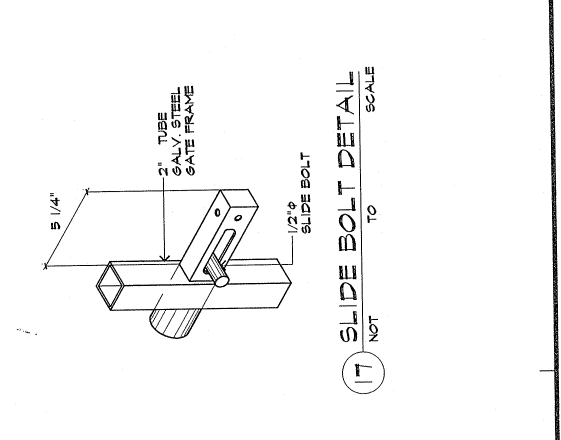
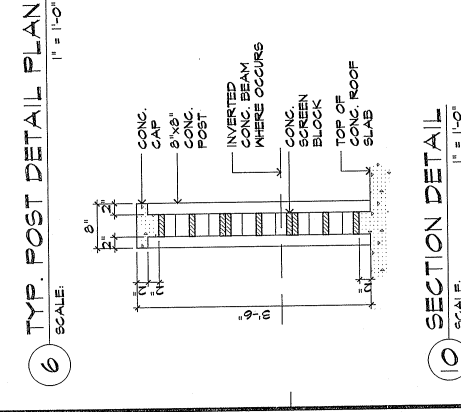
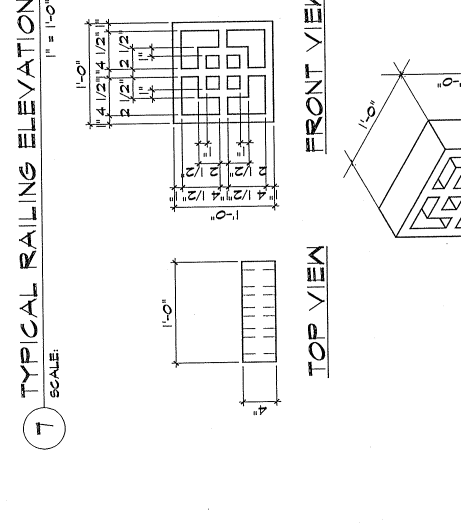
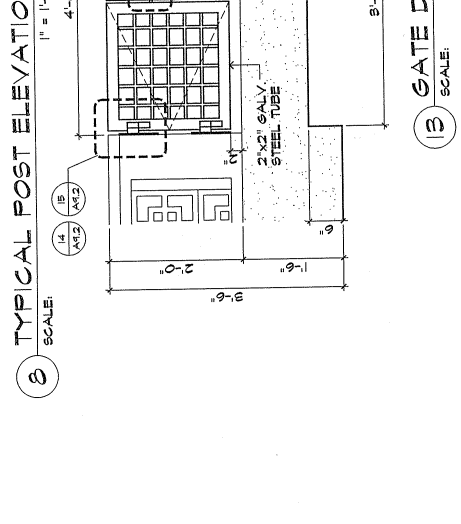
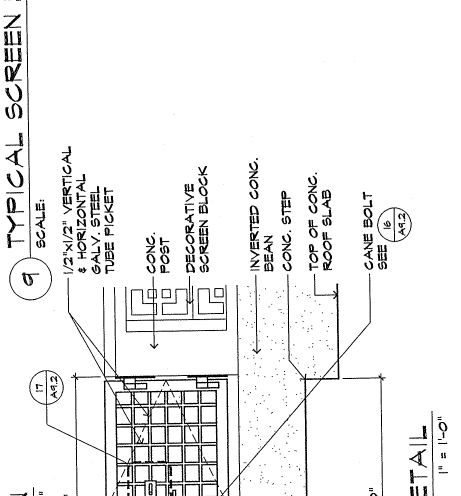
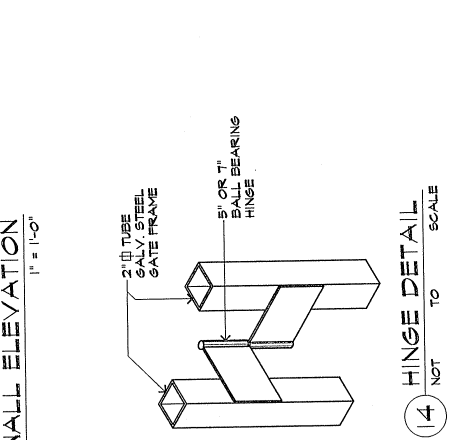
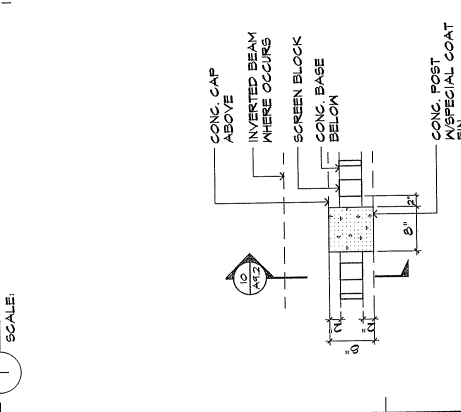
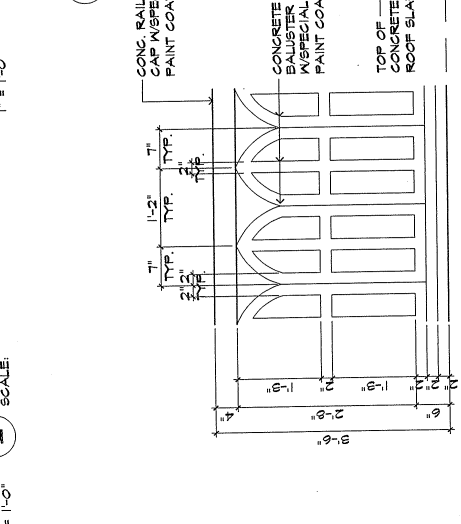
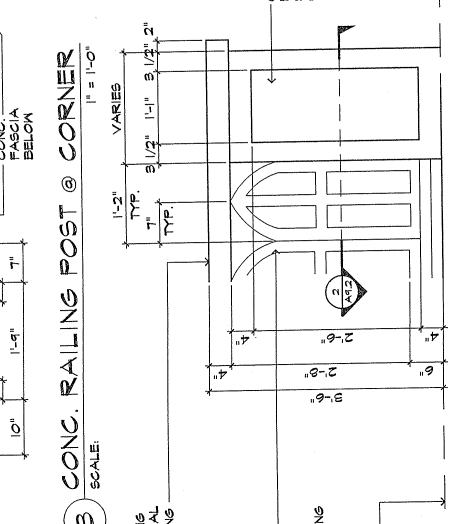
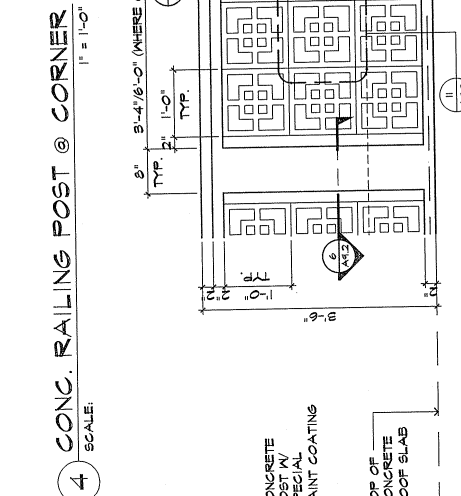
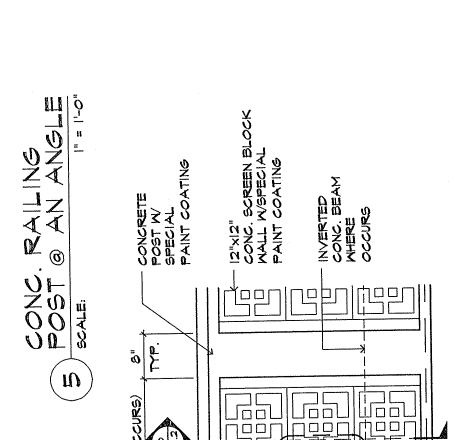
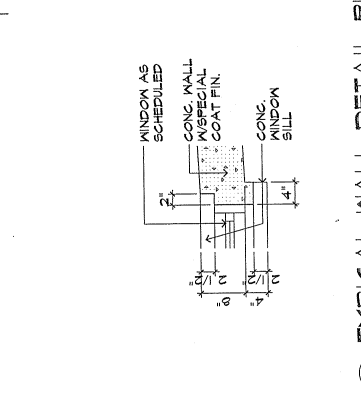
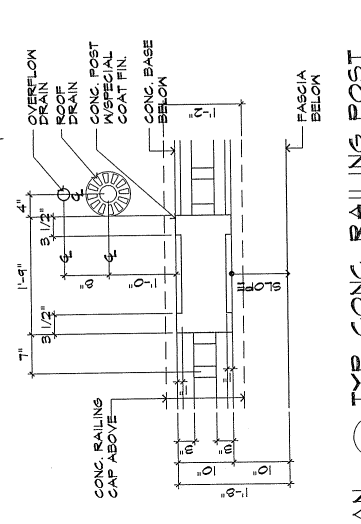
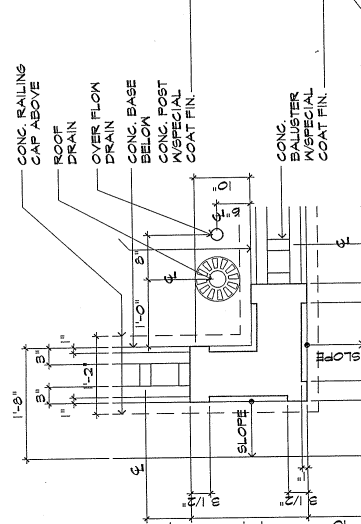
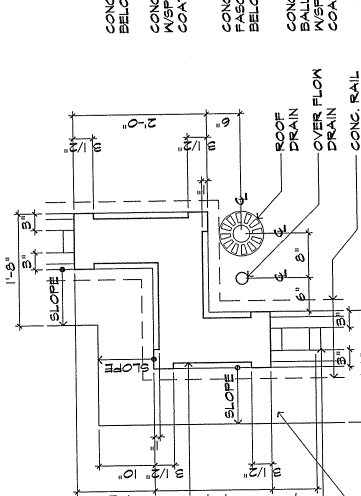
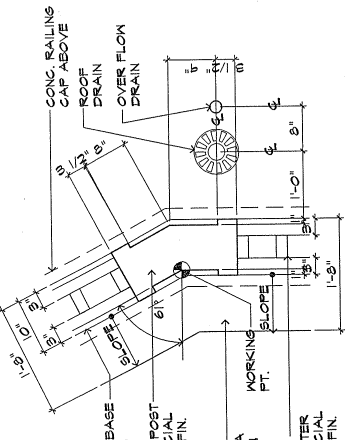
DESIGNED BY: ATL  
DRAWN BY: KM  
CHECKED BY: JCAVATL  
SUPERVISOR BY: ATLEAC

DRAWING NO. 221-02-000000  
DATE: 09-11-02

SCALE: 1/2" = 1'-0"

DATE: 09-11-02  
DRAWN BY: KM  
CHECKED BY: JCAVATL  
SUPERVISOR BY: ATLEAC









**CIVIL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

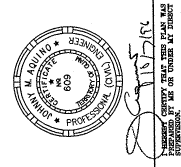
**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
Agaña, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
414 N. Soledad Avenue  
Agaña, Guam 96910

DULCE NOMBRE DE MARIA  
CATEDRAL - BASILICA  
GUAMA  
ACANA

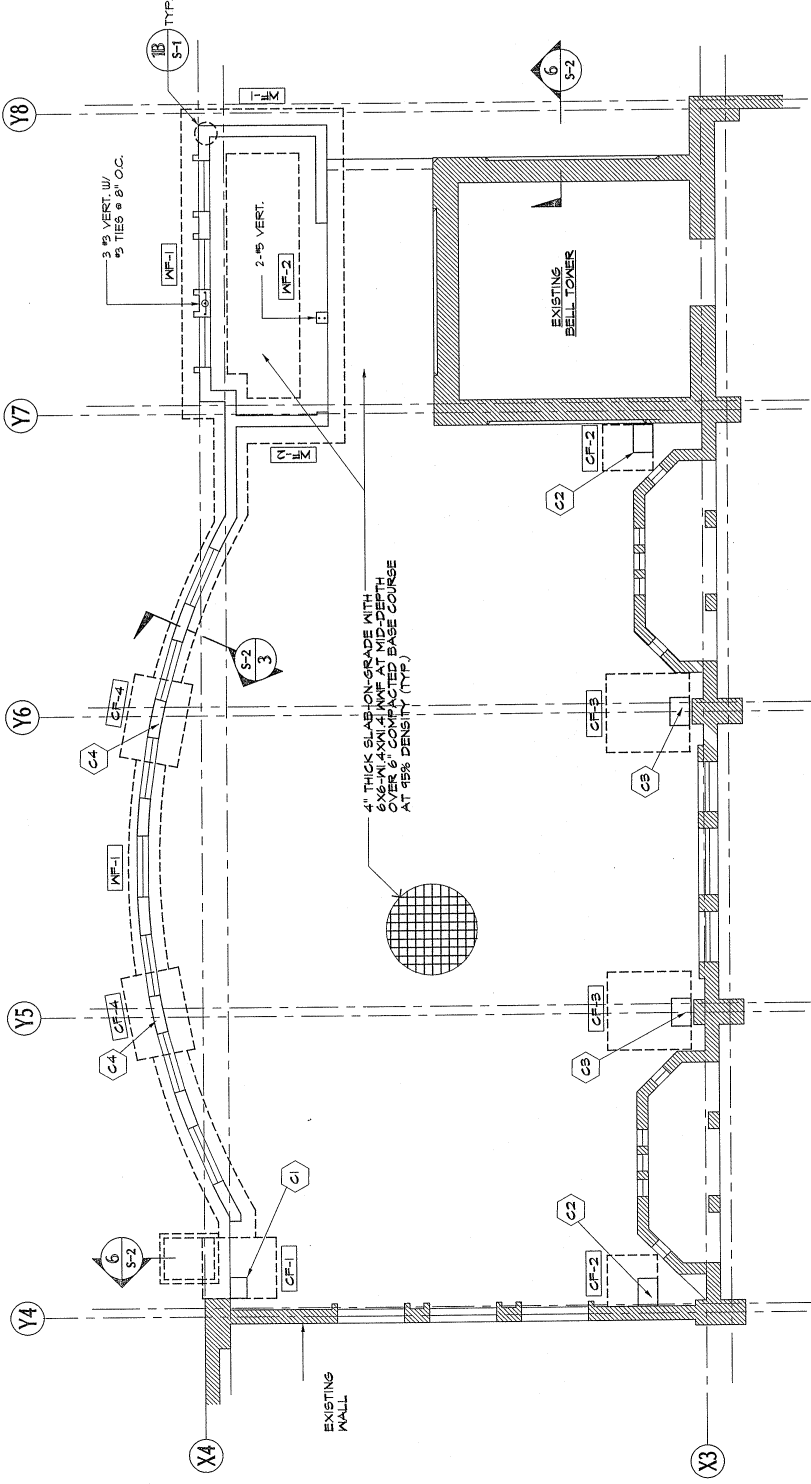


JOB NO. 221-000  
DATE: 11/15/11

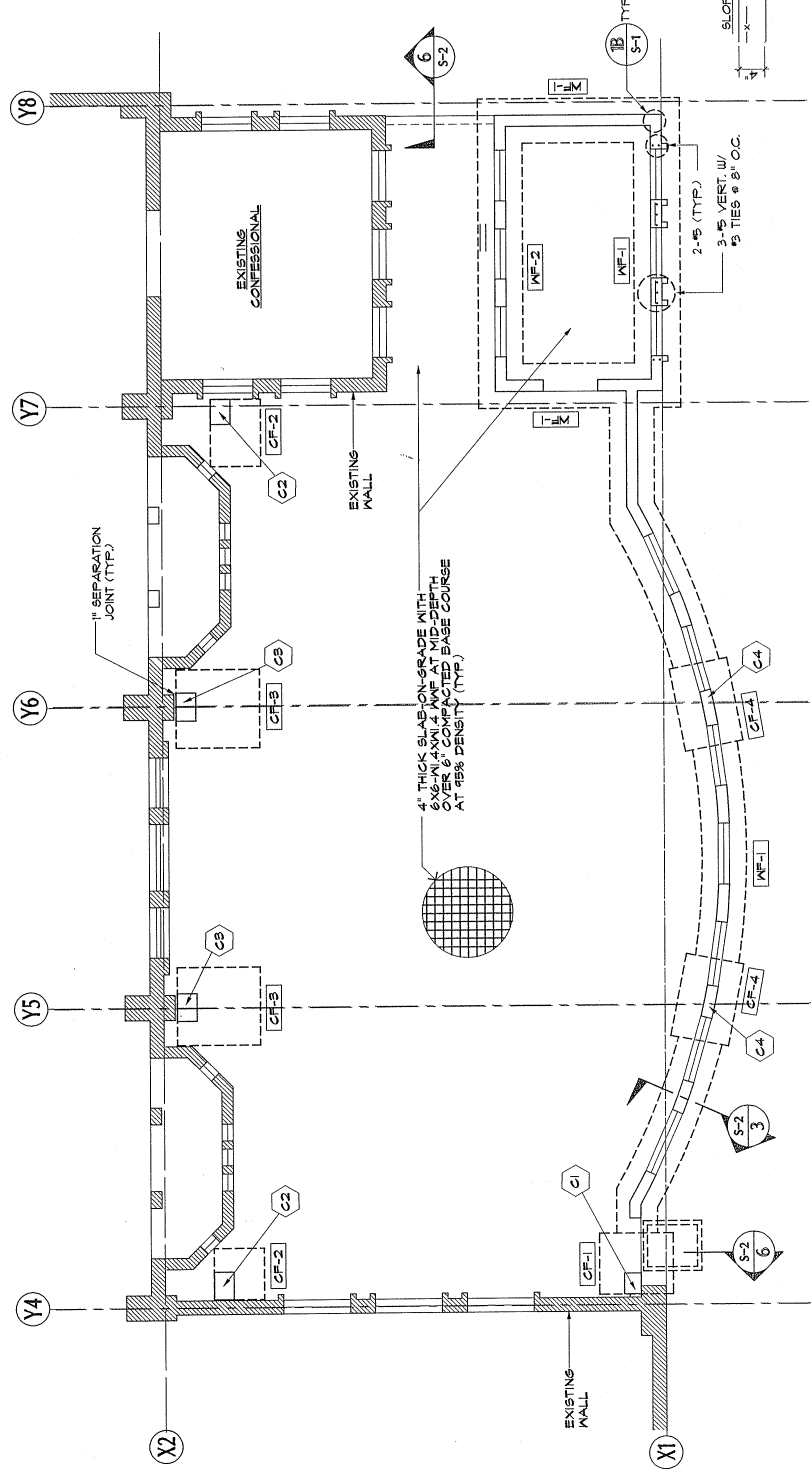
DRAWING TITLE:  
FOUNDATION PLANS

DESIGNED BY: JMA  
DRAWN BY: JC  
CHECKED BY: JMA  
SUPERVISED BY: JMA  
DRAWING NO.: 221-000-001  
DATE: 11/15/11  
SCALE: AS SHOWN

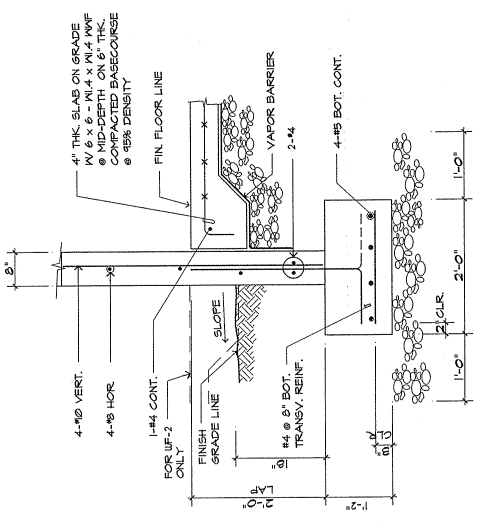
5 - 2  
S - 2



1 FOUNDATION PLAN-CONFERENCE ROOM  
SCALE: 1/4" = 1'-0"



2 FOUNDATION PLAN-MUSEUM  
SCALE: 1/4" = 1'-0"



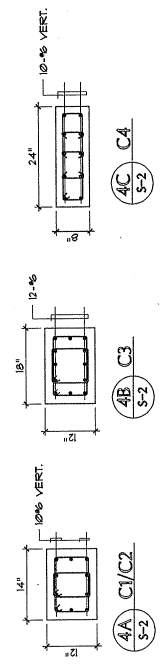
3 WF-1/WF-2  
SCALE: 3/4" = 1'-0"

**COLUMN FOOTING SCHEDULE**

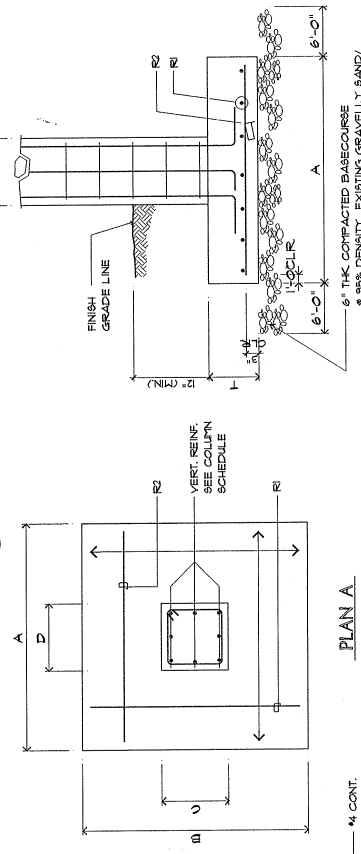
MARK	SIZE (FT.)		T REINFORCEMENT	COLUMN	REMARKS
	A	B			
CF-1	3'-0"	4'-0"	12"	4-#5 BOT.	SEE TYPE 'B' (S-2)
CF-2	3'-0"	4'-0"	12"	4-#5 BOT.	TYPE 'B'
CF-3	3'-6"	4'-0"	12"	8-#5 BOT.	TYPE 'B'
CF-4	3'-0"	4'-0"	12"	8-#5 BOT.	TYPE 'B' (S-2)

**CONCRETE COLUMN SCHEDULE**

MARK	SIZE (IN.)		VERTICAL REINFORCEMENT	REMARKS
	C	D		
C1	12"	14"	10 - #6	(S-2)
C2	12"	14"	10 - #6	(S-2)
C3	12"	18"	12 - #6	(S-2)
C4	8"	24"	10 - #6	(S-2)

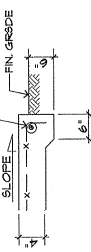


4 COLUMN DETAILS  
SCALE: 3/4" = 1'-0"



6" THK. COMPACTED BASE COURSE  
SANDY GRAVEL FILL AND BULKY SAND SHALL  
BE REPLACED WITH APPROVED LINEDSTONE  
FILL COMPACTED TO 95% DENSITY  
SEE FOUNDATION NOTE NO. 1.

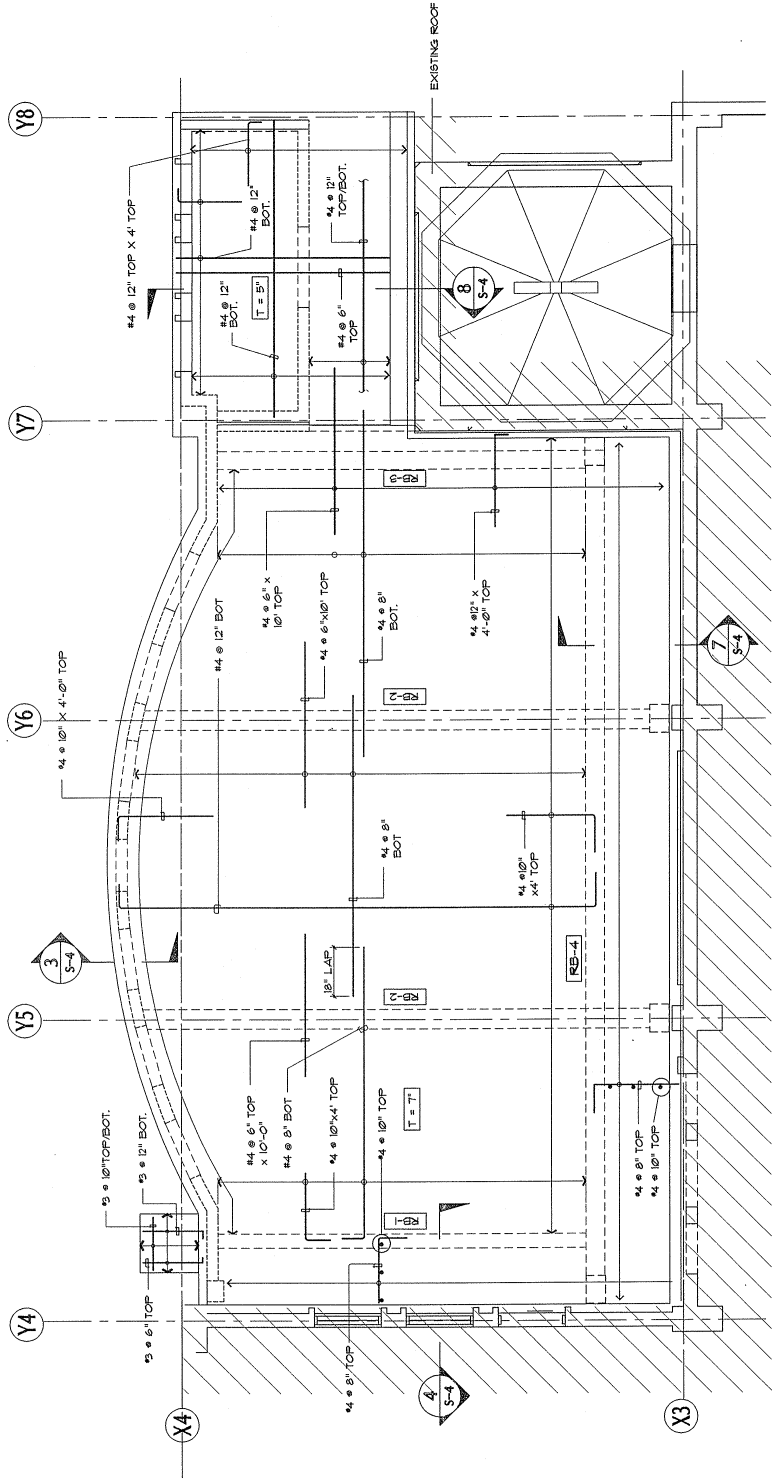
5 TYP. COLUMN FOOTING DETAIL (TYPE 'A')  
SCALE: 3/4" = 1'-0"



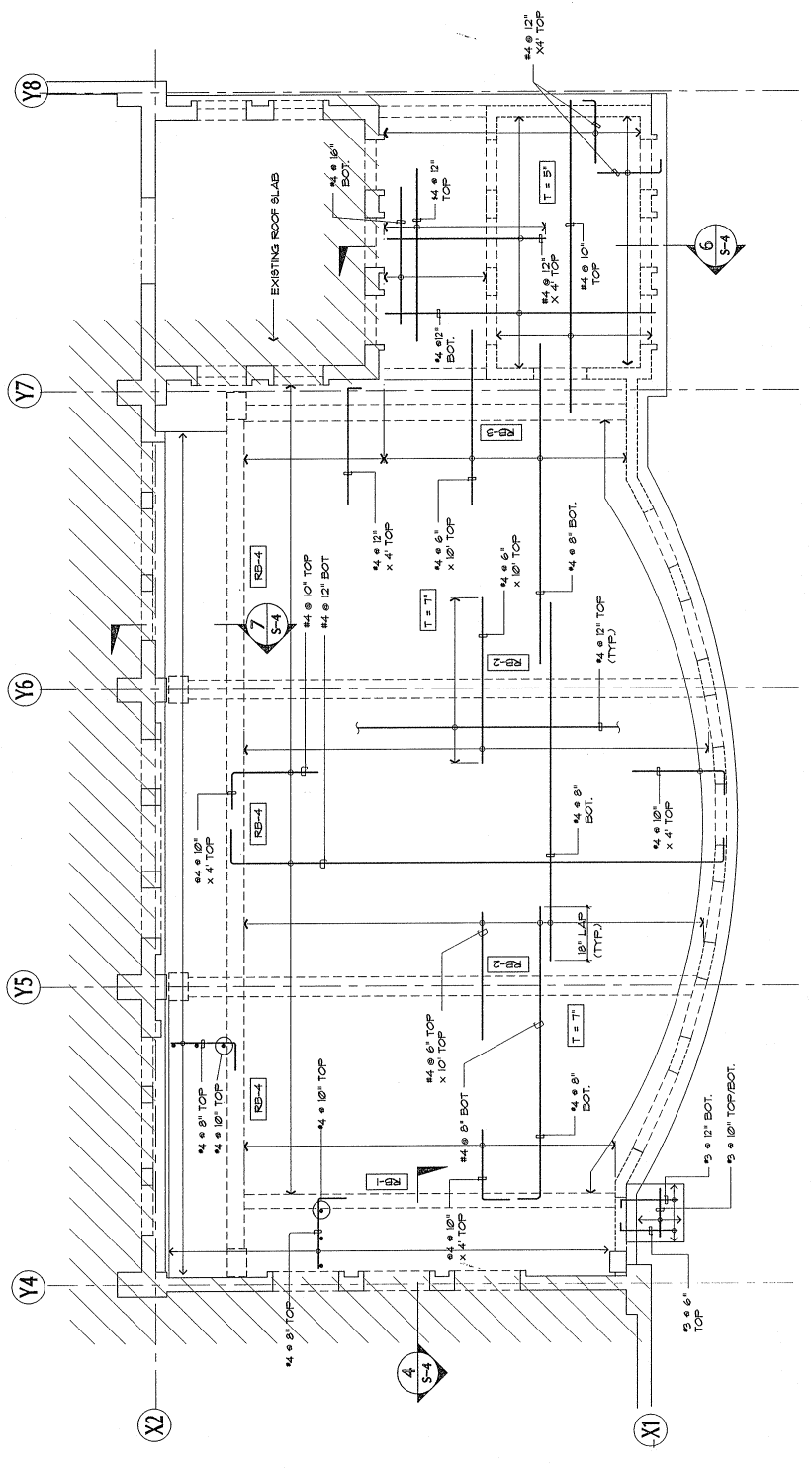
6 DETAIL  
SCALE: 3/4" = 1'-0"

**BEAM SCHEDULE**

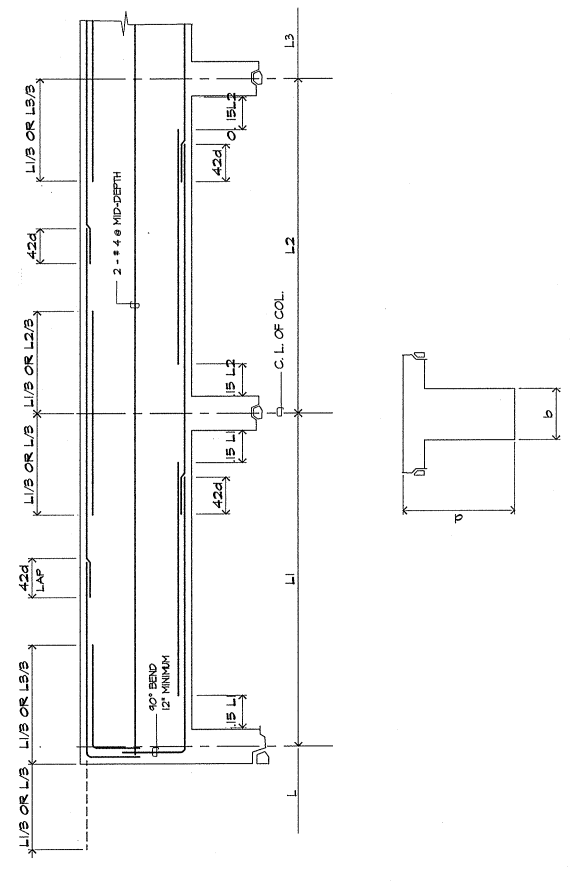
MARK	SECTION	REINFORCEMENT (← FACE OF SUPPORT →)	STIRRUPS		ELEVATION	REMARKS
			L TO R	R TO L		
RB-1		2-#6 TOP 2-#6 BOT.	3-#6	3-#6	2 S-3	
RB-2		2-#6 TOP 2-#6 BOT.	3-#6	3-#6		
RB-3		2-#6 TOP 2-#6 BOT.	3-#6	3-#6		
RB-4		2-#6 TOP 2-#6 BOT.	3-#6	3-#6		



1 ROOF FRAMING PLAN—CONFERENCE ROOM  
 SCALE: 1/4"=1'-0"

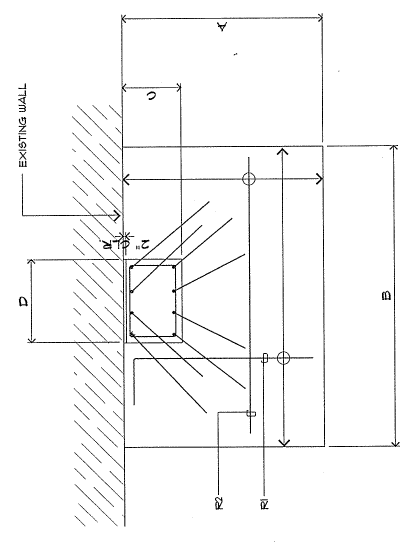


2 ROOF FRAMING PLAN—MUSEUM  
 SCALE: 1/4"=1'-0"

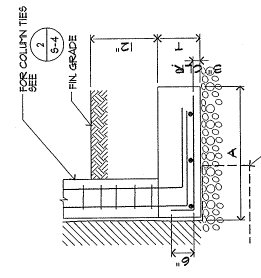


3 TYPICAL BEAM ELEVATION / SECTION  
 NOT TO SCALE



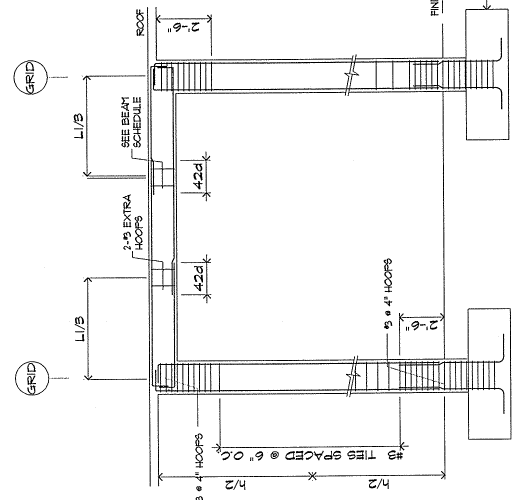


PLAN B

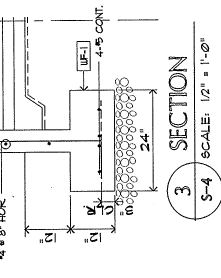


SECTION 1A  
 NOT TO SCALE

1 TYP. COLUMN DETAIL (TYPE "B")  
 SCALE: 1/2" = 1'-0"

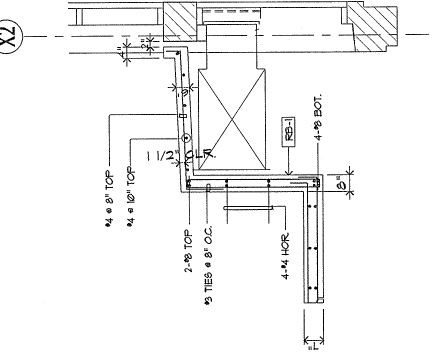


2 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



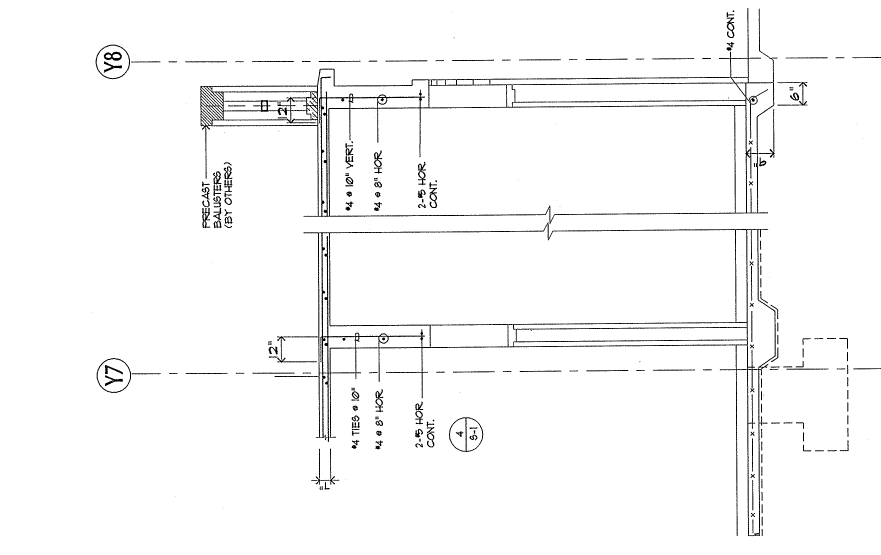
SECTION 3  
 SCALE: 1/2" = 1'-0"

3 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



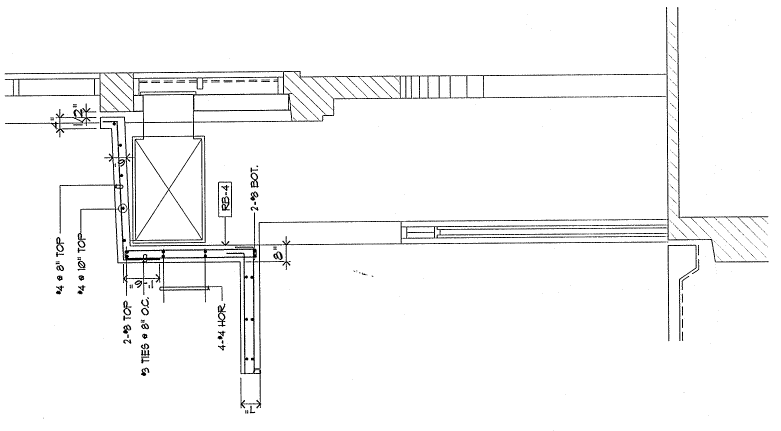
SECTION 4  
 SCALE: 1/2" = 1'-0"

4 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



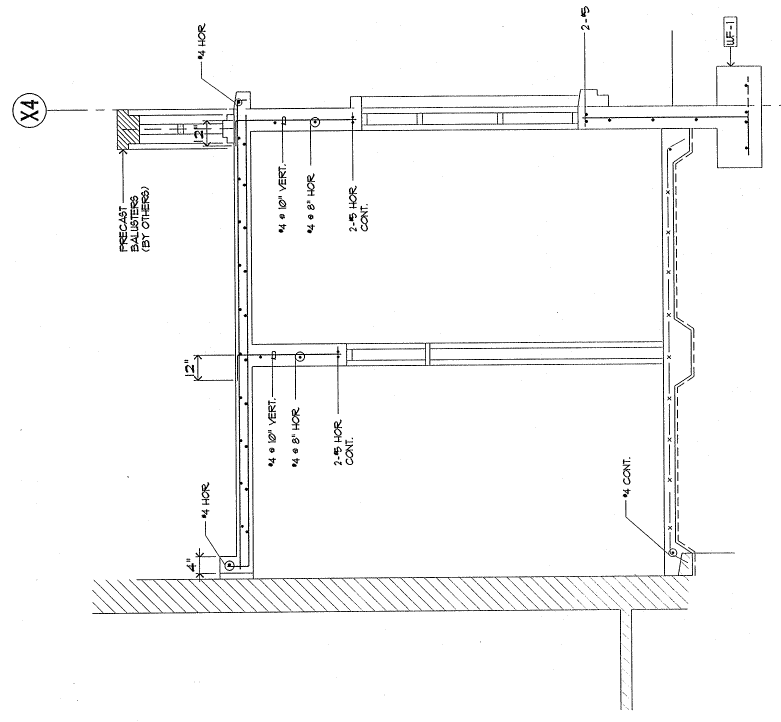
SECTION 5  
 SCALE: 1/2" = 1'-0"

5 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



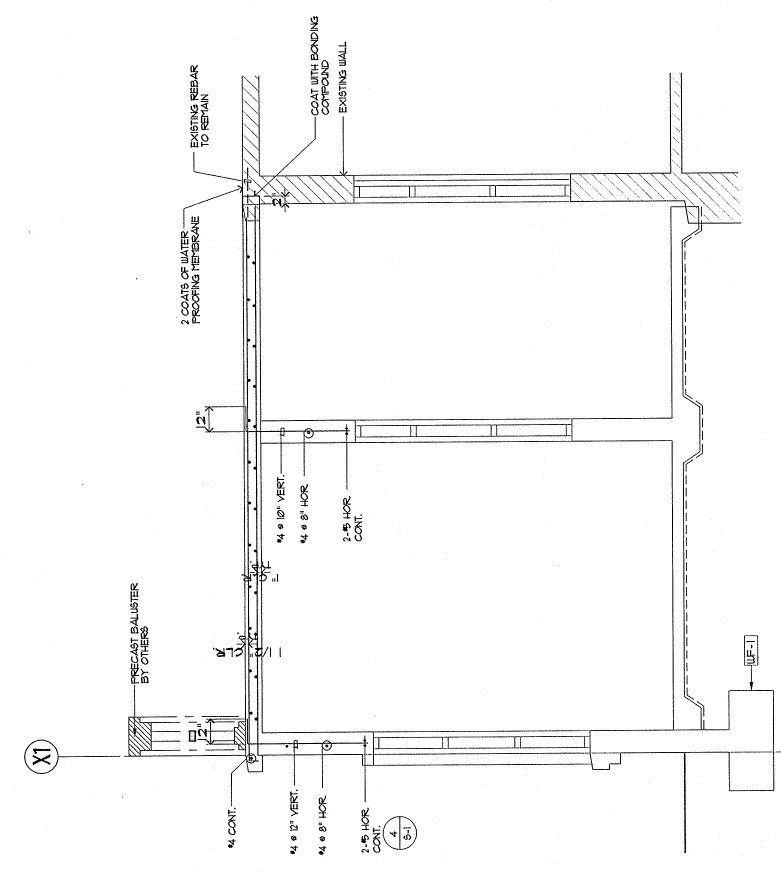
SECTION 7  
 SCALE: 1/2" = 1'-0"

7 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



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

8 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"



SECTION 6  
 SCALE: 1/2" = 1'-0"

6 TYP. FRAMING ELEVATION  
 SCALE: 1/2" = 1'-0"

CIVIL:

STRUCTURAL:

MECHANICAL:

ELECTRICAL:



JOB NO. \_\_\_\_\_  
DATE: 06/24/16  
SCALE: AS SHOWN

DRAWING TITLE:  
BASILICA AIR CONDITIONING  
REMOVAL PLANS, REMOVAL  
SCOPE OF WORK, REMOVAL  
NOTES, KEY PLAN

DESIGNED BY: LRAM/PLN  
DRAWN BY: MFN/AVC  
CHECK BY: LRA  
SUPERVISED BY: LRA

DRAWING NO. 088-032007  
CONTRACT

DATE: 06/24/16  
SCALE: AS SHOWN

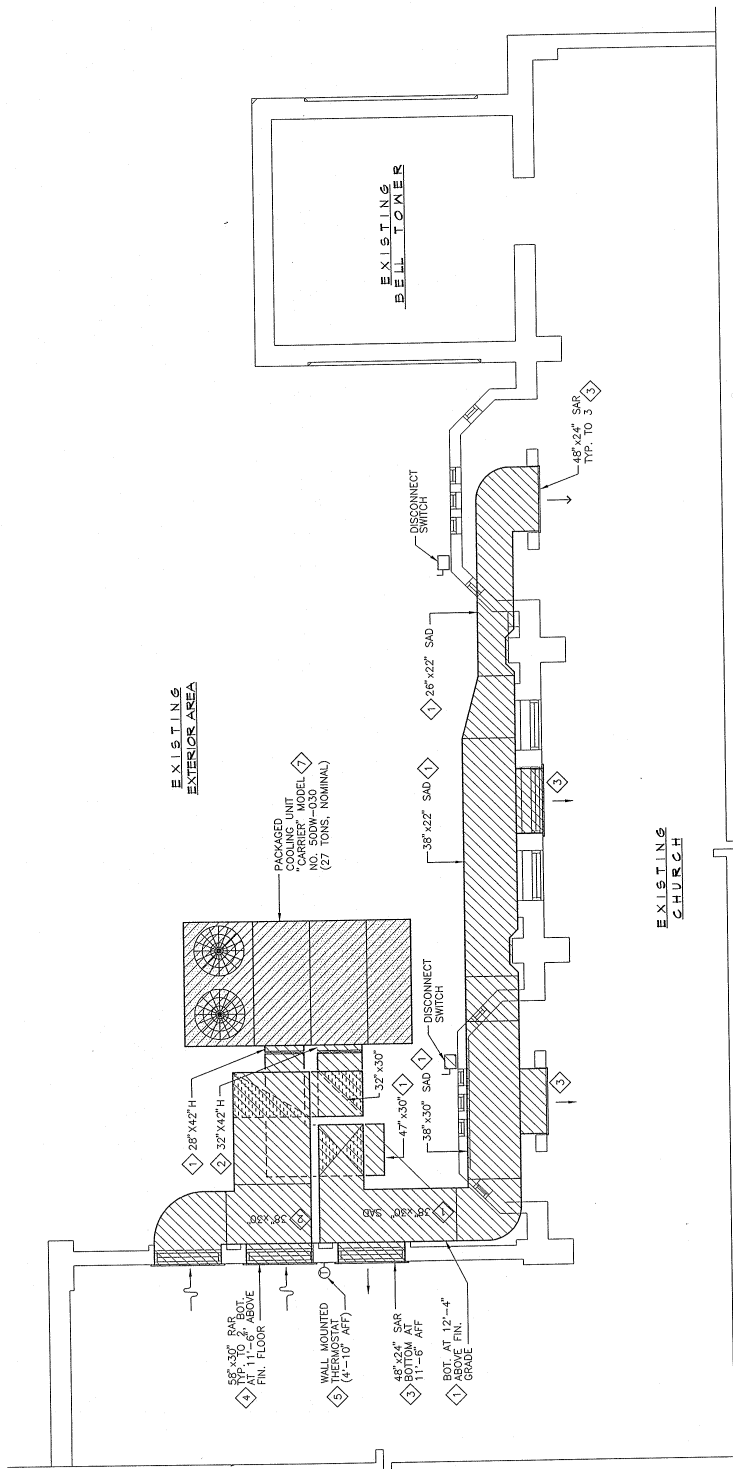
FIGURE: \_\_\_\_\_  
SHEET NO. 01  
TOTAL SHEETS: 01

**REMOVAL SCOPE OF WORK**

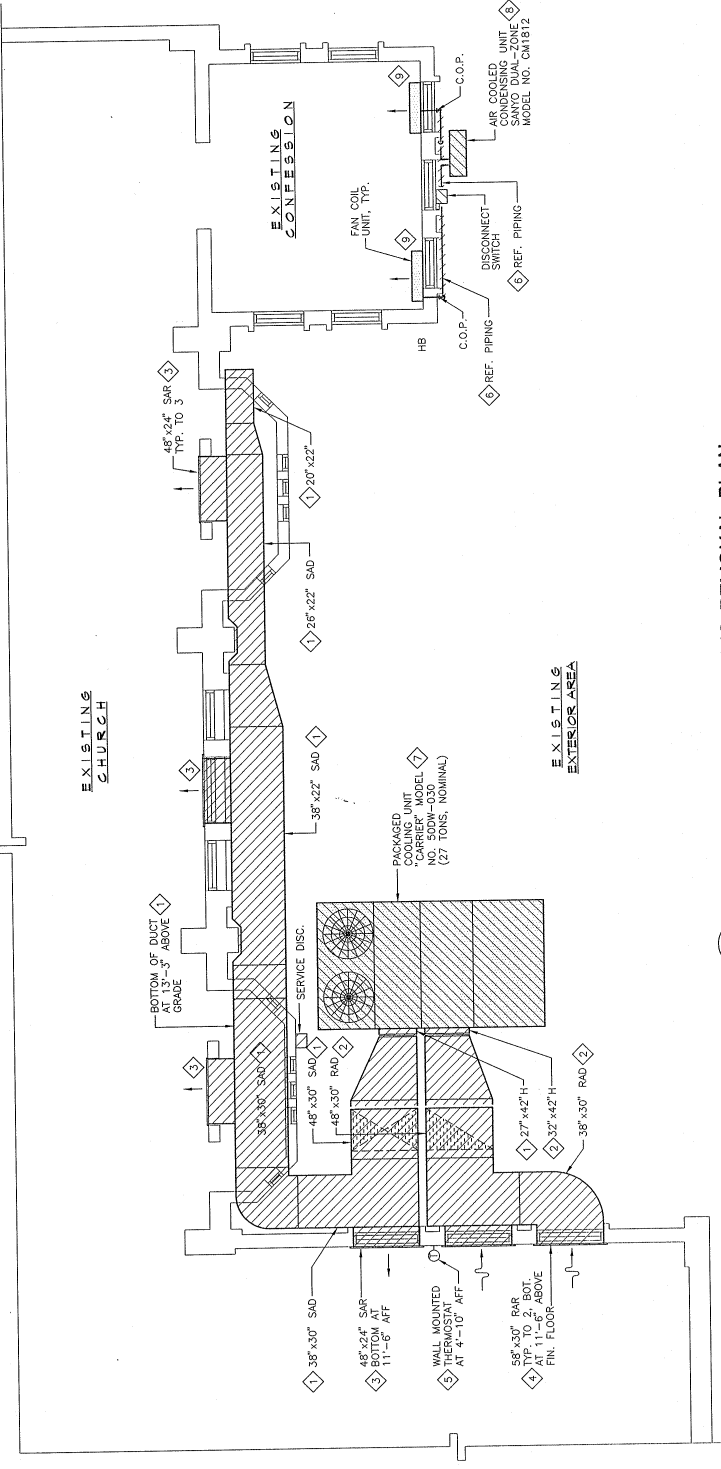
AIR CONDITIONING	
①	REMOVE EXISTING SUPPLY AIR DUCT (SAD)
②	REMOVE EXISTING RETURN AIR DUCT (RAD)
③	REMOVE EXISTING SUPPLY AIR REGISTER (SAR)
④	REMOVE EXISTING RETURN AIR REGISTER (RAR)
⑤	REMOVE EXISTING WALL MOUNTED THERMOSTAT
⑥	REMOVE EXISTING REFRIGERANT PIPING
⑦	REMOVE EXISTING PACKAGED COOLING UNIT
⑧	REMOVE EXISTING AIR COOLED CONDENSING UNIT
⑨	REMOVE EXISTING FAN COIL UNIT

**REMOVAL NOTES**

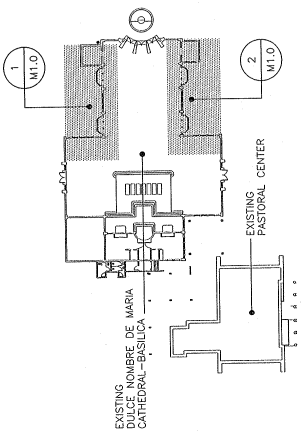
- PROTECT BUILDING INTERIOR AND MATERIALS & EQUIPMENT AT ALL TIMES.
- EXISTING MATERIALS TO BE REMOVED SHALL BE DISPOSED BY THE CONTRACTOR TO AN APPROVED DISPOSAL SITE AS DIRECTED BY THE ARCHITECT.
- SALVAGE EXISTING AIR CONDITIONING UNITS AND TURNOVER TO OWNER. DELIVER SALVAGED A/C UNITS TO AN APPROVED STORAGE SITE AS DIRECTED BY THE ARCHITECT.



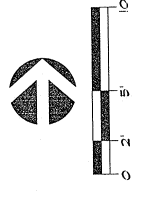
1 PARTIAL AIR CONDITIONING REMOVAL PLAN  
1/4" = 1'-0"  
SCALE  
M1.0



2 PARTIAL AIR CONDITIONING REMOVAL PLAN  
1/4" = 1'-0"  
SCALE  
M1.0



KEY PLAN



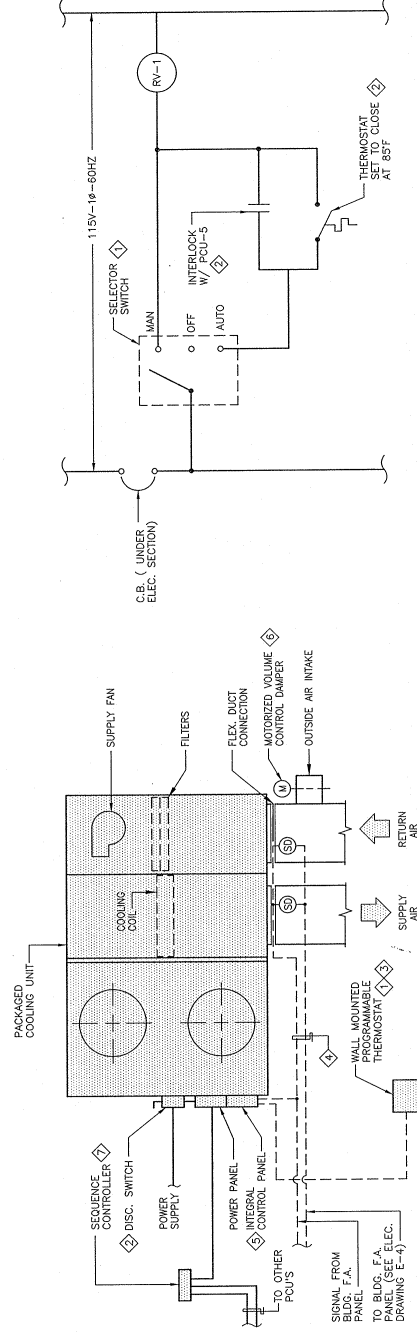
EQUIPMENT SCHEDULE

PACKAGED COOLING UNITS		PCU 1	PCU 2	PCU 3	PCU 4	PCU 5	PCU 6
MARK							
AREA SERVED	EXISTING CHURCH	NEW MUSEUM & OFFICE	EXISTING CHURCH	EXISTING CHURCH	NEW CONFERENCE ROOM & STORAGE	EXISTING CHURCH	
TOTAL COOLING CAPACITY, BTU/HR	268,800	152,400	268,800	268,800	142,200	268,800	
SENSIBLE COOLING CAPACITY, BTU/HR	170,400	132,000	170,400	170,400	127,200	170,400	
SUPPLY AIR, CFM	6,720	5,439	6,720	7,020	5,252	6,720	
OUTSIDE AIR, CFM	1,511	273	1,511	1,511	289	1,511	
AIR ENTERING COIL/FWB	77.92/66.7	77.3/63.1	77.92/66.7	77.92/66.7	77.0/62.9	77.92/66.7	
AIR ENTERING CONDENSER, °F	90	90	90	90	90	90	
EXTERNAL STATIC PRESSURE, IN. W.G.	1/2	3/4	1/2	1/2	3/4	1/2	
EVAPORATOR FAN MOTOR, (QTY) - HP	(1) - 7.5	(1) - 3.0	(1) - 7.5	(1) - 7.5	(1) - 3.0	(1) - 7.5	
CONDENSER FAN MOTOR, (QTY) - FLA EA.	(2) - 5.5	(2) - 3.2	(2) - 5.5	(2) - 5.5	(1) - 5.5	(2) - 5.5	
COMPRESSOR MOTOR, (QTY) - FLA EA.	(2) - 42.8	(2) - 28.7	(2) - 42.8	(2) - 42.8	(2) - 24.3	(2) - 42.8	
ELECTRICAL CHARACTERISTICS, V - $\phi$ - HZ	208 - 3 - 60	208 - 3 - 60	208 - 3 - 60	208 - 3 - 60	208 - 3 - 60	208 - 3 - 60	
REFRIGERANT	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	
DESIGN CONDITIONS		OUTSIDE : 86°FDB / 79°FWB INSIDE : 75°FDB / 50°FRH					
BASIS OF DESIGN/EQUIPMENT SELECTION "FRAME" MODELS OR APPROVED EQUAL	TC300	TCH180C3	TC300	TC300	TCH150C3	TC300	TC300

- NOTE:
1. ACCEPTABLE REFRIGERANTS SHALL INCLUDE R-22, R-123 AND R-134.
  2. MANUFACTURER & MODEL NOS. ARE SHOWN SOLELY FOR THE PURPOSES OF ESTABLISHING QUALITY AND TYPE REQUIREMENTS.

ROOF VENTILATOR

MARK	QTY	LOCATION	AREA SERVED	TYPE	CAPACITY (CFM)	STATIC PRESSURE (FPM)	FAN MOTOR (HP)	ELECTRICAL CHARACTERISTICS (V - $\phi$ - HZ)	REMARKS
RV 1	1	ROOFDECK, ABOVE NEW STD. ROOM	NEW STD. ROOM	CENTRIFUGAL	259	1/4	975	115 - 1 - 60	INTERLOCKED TO RUN WHEN PCU-5 IS RUNNING



1 TYPICAL A/C SYSTEM CONTROL SCHEMATIC

SEQUENCE OF OPERATION

1. PACKAGED A/C UNIT IS ACTIVATED BY SETTING TO "COOL" OR "AUTO" POSITIONS ON THE WALL-MTD. PROGRAMMABLE THERMOSTAT, MANUALLY DE-ACTIVATE UNIT BY SETTING AT "OFF" POSITION. SETTING AT "OFF" POSITION WILL STOP THE UNIT FROM OPERATING.
2. A DISCONNECT SWITCH LOCATED ON ROOF AND MOUNTED ON UNIT ALLOWS FOR SAFETY DE-ACTIVATING OF UNIT FOR SERVICE AND MAINTENANCE.
3. THE WALL-MTD. PROGRAMMABLE THERMOSTAT IS SET TO MAINTAIN ROOM TEMPERATURE DIFFERENTIAL BETWEEN ROOM AND OUTSIDE AIR. THE THERMOSTAT IS WIRED TO THE UNITS INTEGRATED CONTROL PANEL.
4. A SMOKE DETECTOR AT THE MAIN SUPPLY AND RETURN DUCTS ARE INTERLOCKED TO SHUT-OFF THE A/C UNIT WHEN SMOKE OR PRODUCTS OF COMBUSTION ARE SENSED IN THE DUCT SYSTEM. SIMULTANEOUSLY TRANSMITTING AN ALARM SIGNAL TO THE BUILDING FIRE ALARM SYSTEM. THE SMOKE DETECTOR SHALL BE INTERLOCKED TO SHUT DOWN THE UNIT.
5. A/C UNIT IS INTERNALLY WEIRD AND PROVIDED WITH HIGH AND LOW PRESSURE CUT-OFF SWITCHES, SOLENOID VALVES AND THERMAL EXPANSION VALVES.
6. MODIFIED VOLUME DAMPERS AT O.A. INTAKE OPENS WHEN PCU IS ENERGIZED; RETURNS TO NORMAL CLOSED POSITION WHEN PCU IS NOT IN OPERATION.
7. CENTRAL SEQUENCE CONTROLLER SHALL CONTROL RE-ACTIVATION OF UNITS AT 1 MINUTE INTERVALS AFTER A POWER SHUTDOWN.

2 ROOF VENTILATOR RV-1 ELEM. CONTROL DIAGRAM

SEQUENCE OF OPERATION

1. PROVIDE EXHAUST FAN WITH A "MANUAL-OFF-AUTO" SELECTOR SWITCH.
2. ON "AUTO" A ROOM THERMOSTAT SHALL CAUSE THE FAN TO OPERATE UPON A TEMPERATURE RISE FROM ITS SET POINT. A PARALLEL INTERLOCK SHALL ALSO CAUSE THE FAN TO OPERATE WHEN PCU-5 IS ENERGIZED.
3. ON "MANUAL" MODE, THE FAN CAN BE TURNED "ON" OR "OFF" FOR INDEFINITE PERIODS.

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNMENT LAWS, ORDINANCES, RULES AND REGULATIONS AND ORDERS. CONTRACTOR SHALL CONFORM WITH APPLICABLE SECTIONS OF THE CURRENT EDITION OF THE UNIFORM MECHANICAL CODE AND NFPA 90A.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR GOVERNMENT PERMITS REQUIRED AND ARRANGE FOR PERIODIC AND FINAL INSPECTION BY GOVERNMENT AUTHORITIES.
3. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER 1 SET OF AS-BUILT DRAWINGS AFTER COMPLETION OF WORK.
4. MECHANICAL WORK SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE THAT IT IS IN PROPER PHASING WITH ALL OTHER TRADES AND WITH THE OVERALL PROGRESS OF CONSTRUCTION.
5. ALL EQUIPMENT AND MATERIALS INSTALLED SHALL BE NEW, IN PERFECT CONDITION, AND OF THE HIGHEST QUALITY. ALL EQUIPMENT AND MATERIALS SHALL BE STANDARD PRODUCTS MANUFACTURED BY A MANUFACTURER REGULARLY ENGAGED IN THE PRODUCTION OF SUCH EQUIPMENT AND SHALL BE THE LATEST STANDARD DESIGN.
6. EQUIPMENT CONFIGURATION, DIMENSIONS AND PIPING CONNECTIONS VARY WITH DIFFERENT MANUFACTURERS AND MAY BE SUBJECT TO CHANGE WITHOUT NOTICE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS TO SUIT ACTUAL EQUIPMENT TO BE USED AND TO ENSURE PROPER FIT AND OPERATION OF THE SYSTEM. DEVIATIONS TO THE CONTRACTING OFFICER'S APPROVAL, AND WHEN APPROVED SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL COST.
7. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE FURNISHED WHETHER OR NOT PARTICULARLY SHOWN OR MENTIONED.
8. DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.

LEGEND

PCU	PACKAGED COOLING UNIT	CD	CEILING DIFFUSER	P.O.C.	POINT-OF-CONNECTION
ACCU	AIR COOLED CONDENSING UNIT	OAG	OUTSIDE AIR GRILLE	C.O.P.	CUT-OFF-POINT
FCU	FAN COIL UNIT	V.D.	VOLUME DAMPER	FLEX.	FLEXIBLE
SAD	SUPPLY AIR DUCT	T.V.	TURNING VANES	COND.	CONDENSATE
RAD	RETURN AIR DUCT	CONN.	CONNECTION	TYP.	TYPICAL
OAD	OUTSIDE AIR DUCT	(M)	MOTOR	DN.	DOWN
SAR	SUPPLY AIR REGISTER	(T)	THERMOSTAT	A/C	AIR CONDITIONING
RAR	RETURN AIR REGISTER	(SD)	SMOKE DETECTOR	CFM	CUBIC FEET PER MINUTE
CONT'N.	CONTINUATION	FA	FIRE ALARM	RV	ROOF VENTILATOR

MCL

Martin Cristobal Laguna  
ARCHITECTURE PLANNING  
ARCHITECTURE  
Suite 102, Torre-Beyre Complex  
P.O. Box 10000, San Juan, P.R. 00911  
TEL (787) 485-8812 / FAX (787) 485-4833  
GUAM

CIVIL:

STRUCTURAL:

MECHANICAL:

ELECTRICAL:

AGUA & ASSOCIATES  
CORPORATION  
10000 P.O. BOX 10000  
SAN JUAN, P.R. 00911  
TELEPHONE (787) 521-4443  
FAX (787) 521-4443

DULCE NOMBRE DE MARIA  
CATHEDRAL-  
BASILICA IMPROVEMENTS  
AGUA

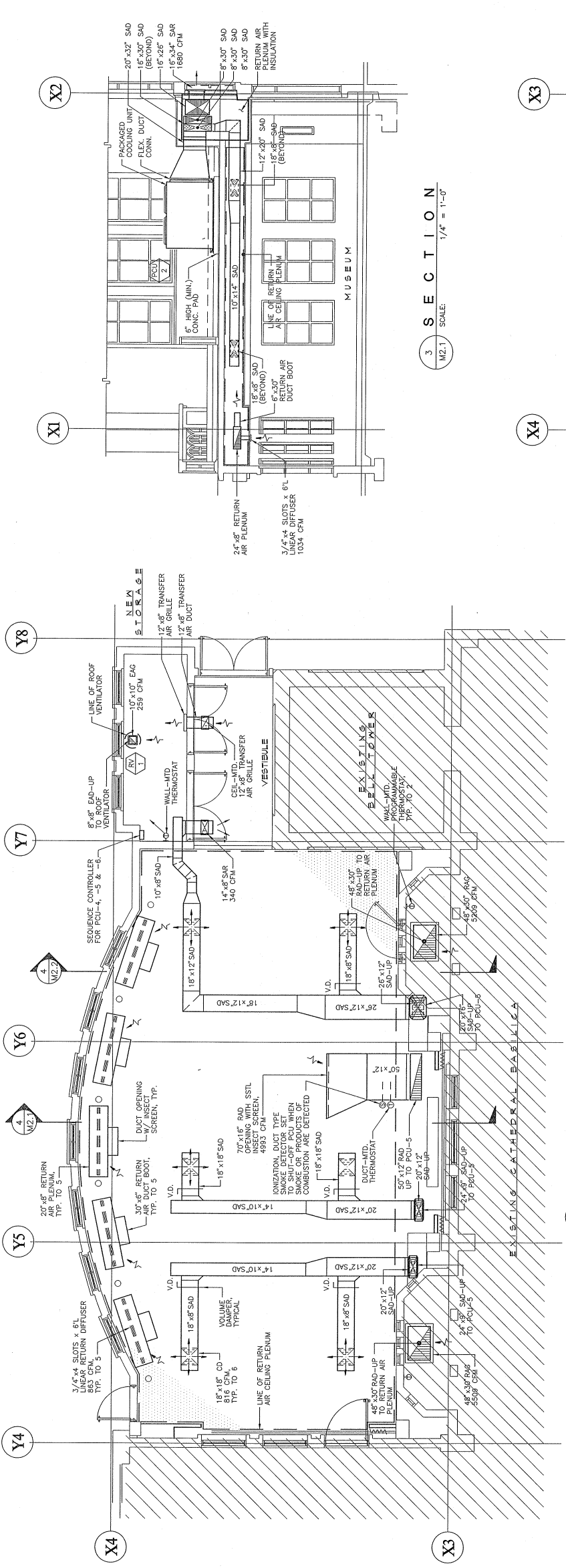


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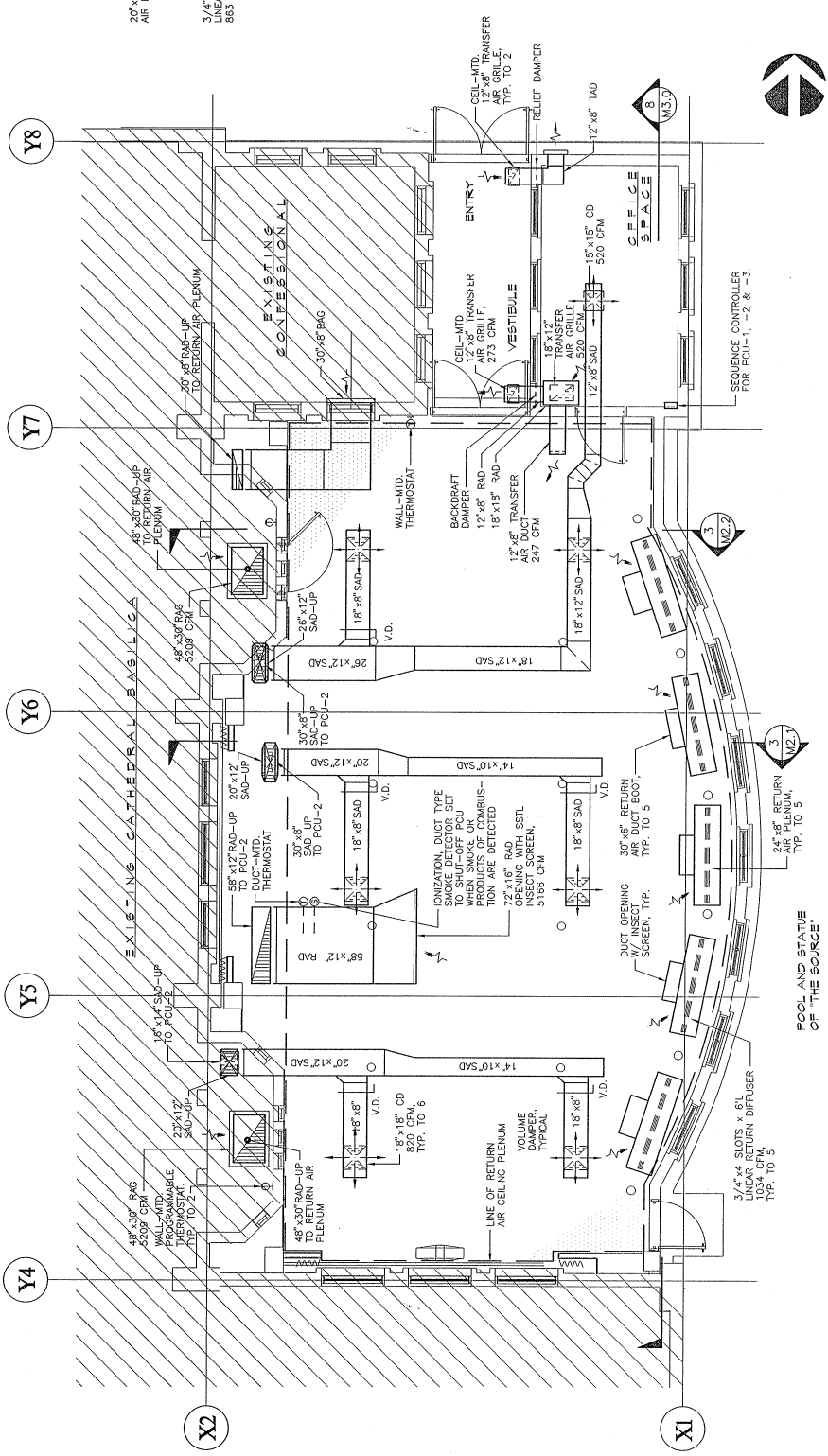
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DRAWING NO. SUB-CATEGORY: \_\_\_\_\_  
DATE: 4/24/96

FRASE: \_\_\_\_\_  
COP. FILE: ACB-M20  
SHEET NO.: \_\_\_\_\_  
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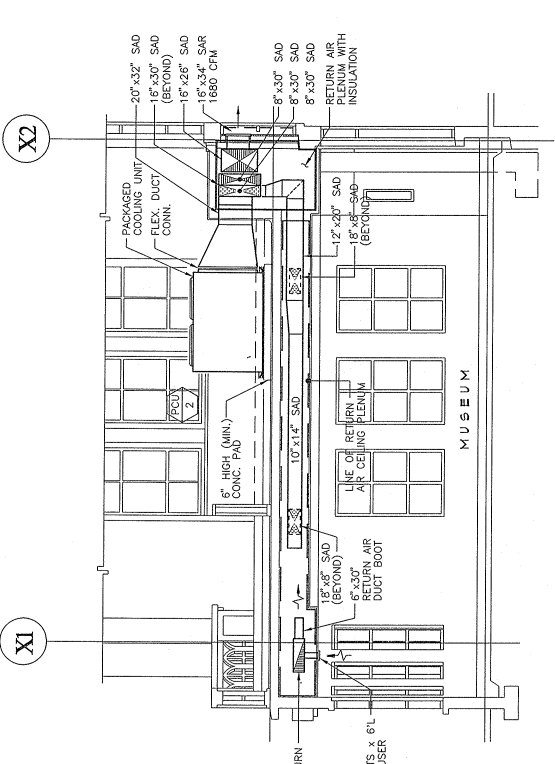




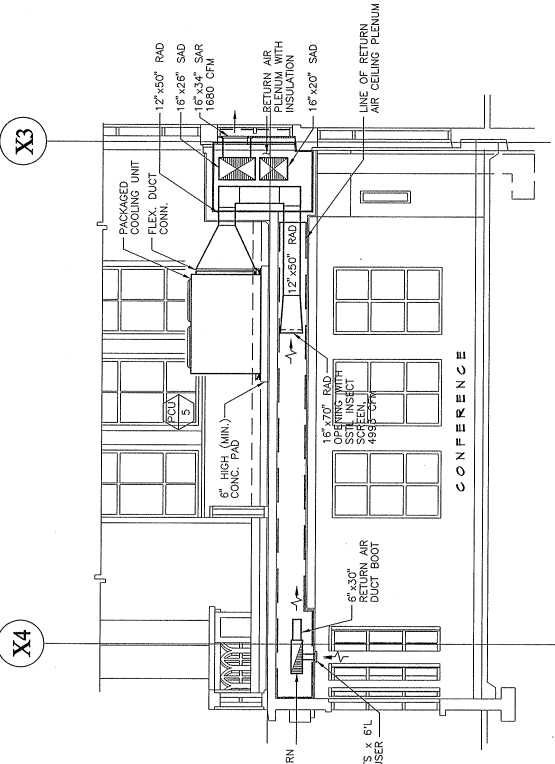
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SCALE: 1/4" = 1'-0"



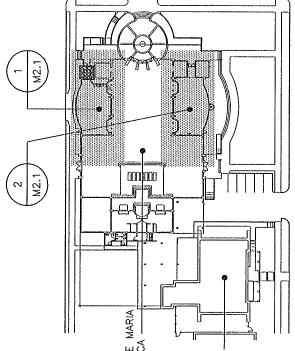
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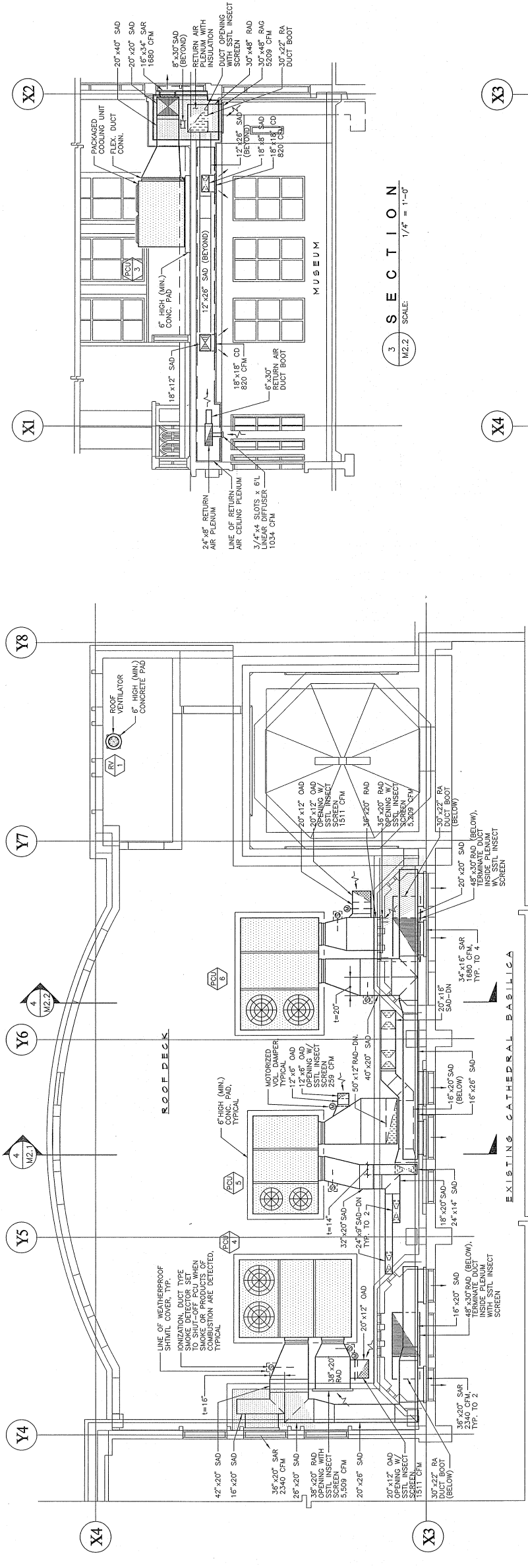
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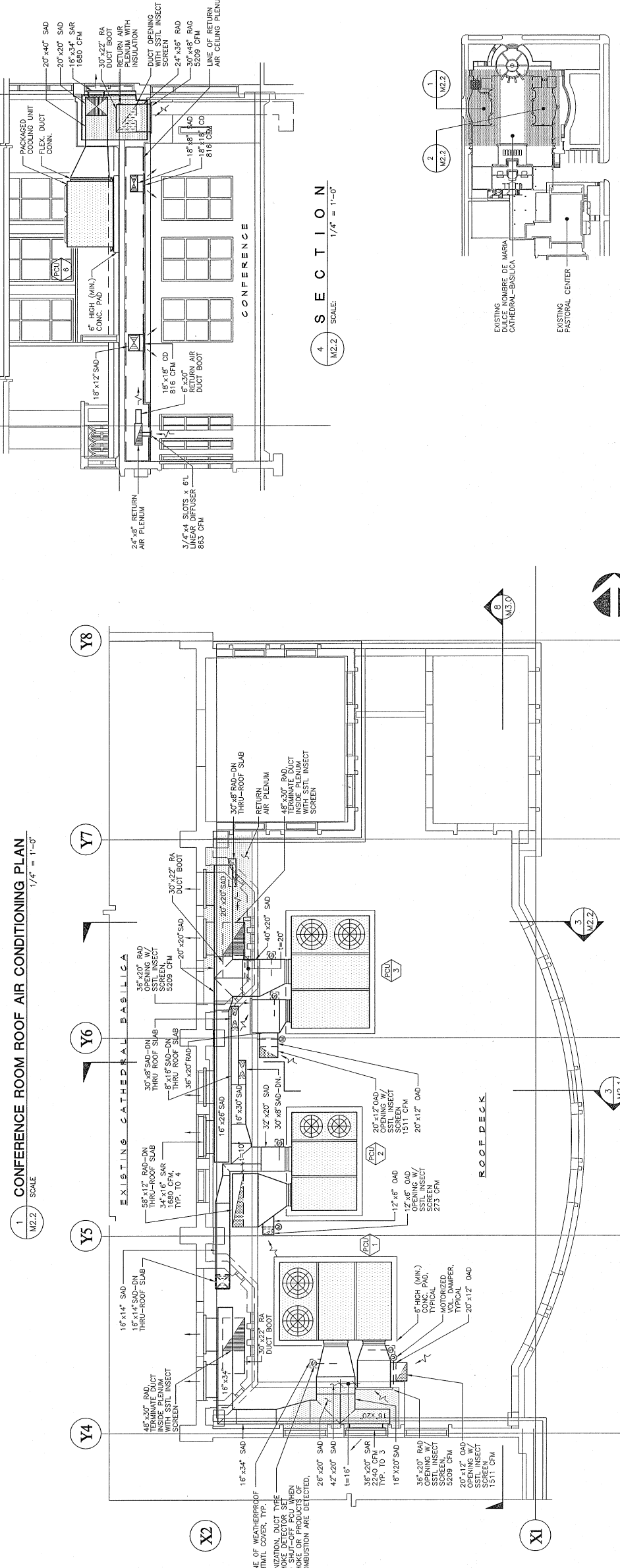
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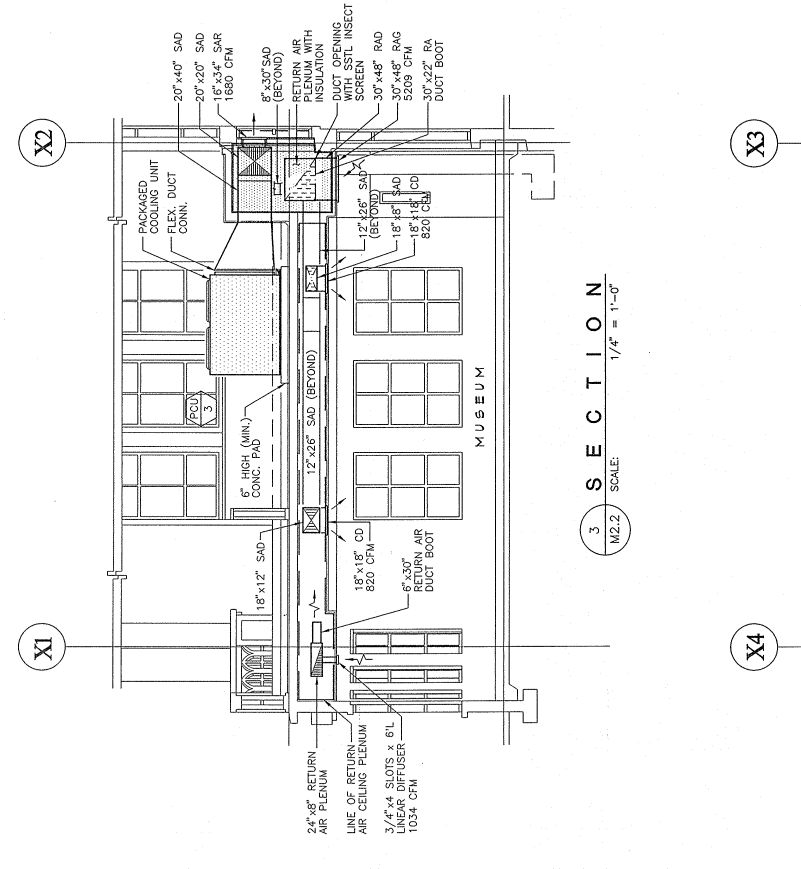
KEY PLAN



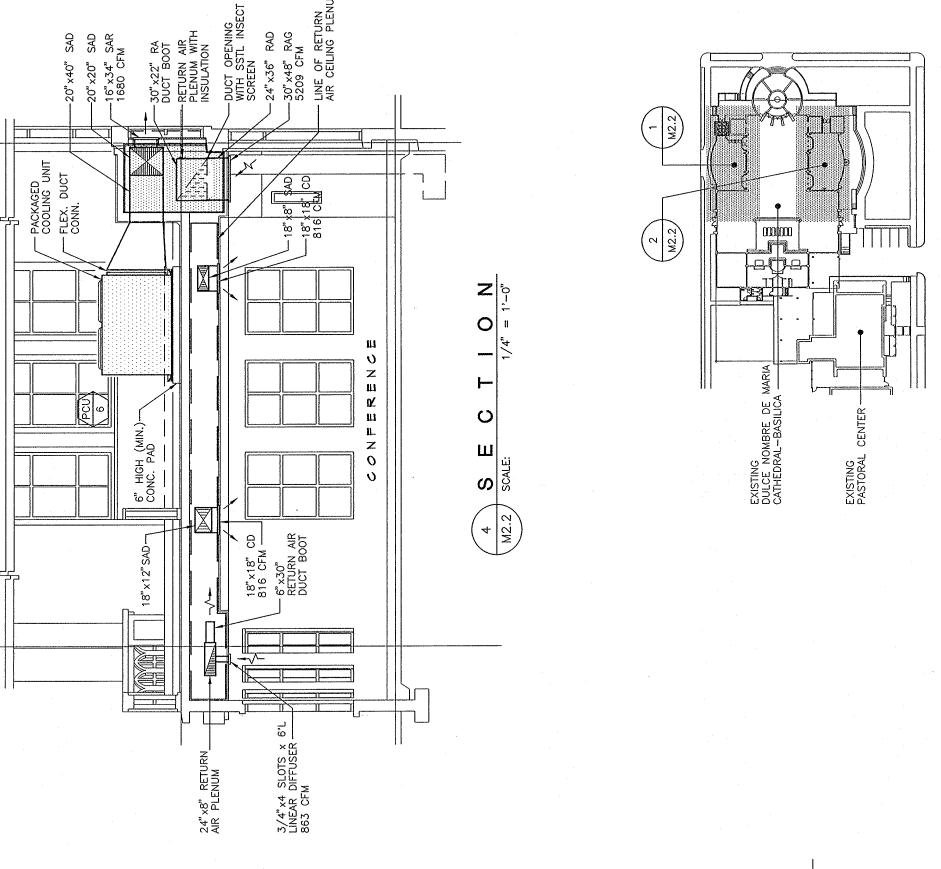
**1 CONFERENCE ROOM ROOF AIR CONDITIONING PLAN**  
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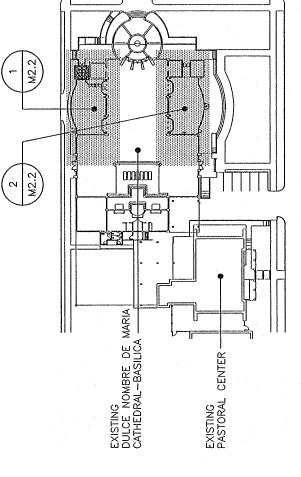
**2 MUSEUM ROOF AIR CONDITIONING PLAN**  
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**3 SECTION**  
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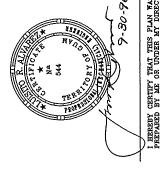


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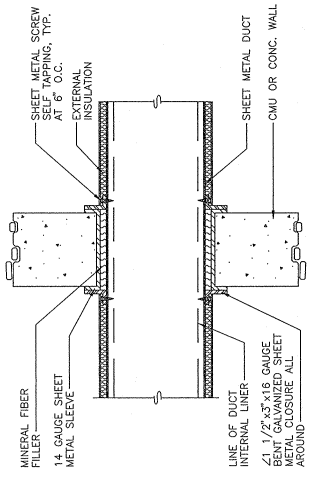


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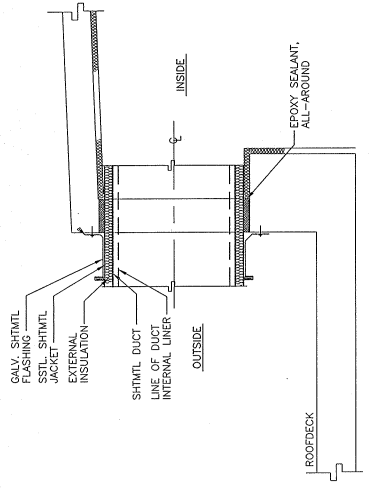
CIVIL:	STRUCTURAL:	MECHANICAL:	ELECTRICAL:
		LEA & ASSOCIATES CONSULTING ENGINEERS ARCHITECTS 10000, San Juan, P.R. Phone: (787) 481-4242	



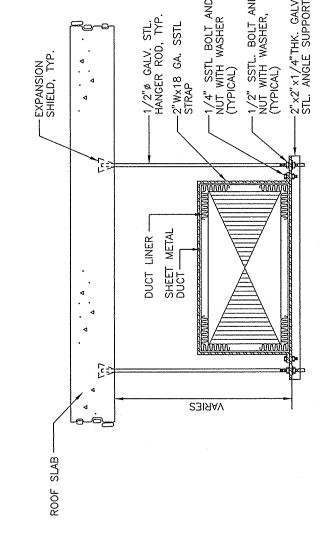
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	PROJECT: ACB-130	



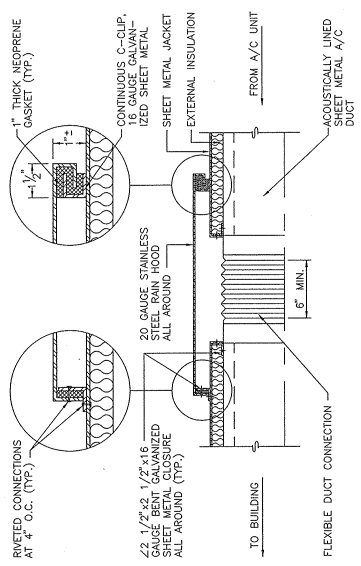
6 DUCT THRU WALL DETAIL  
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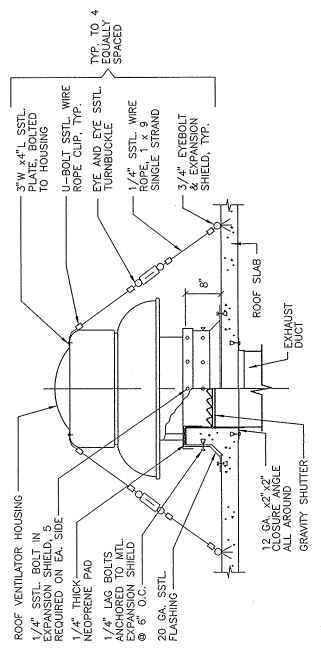
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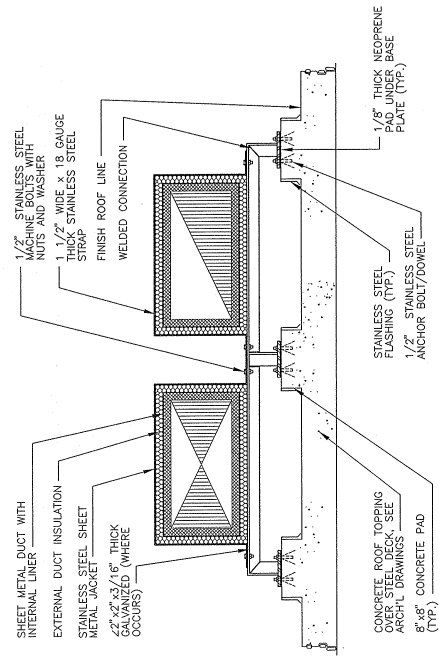
4 DUCT HANGER DETAIL  
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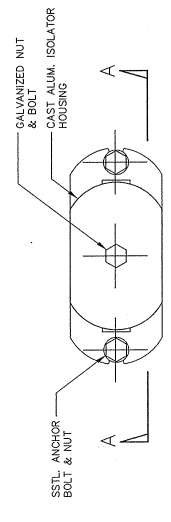
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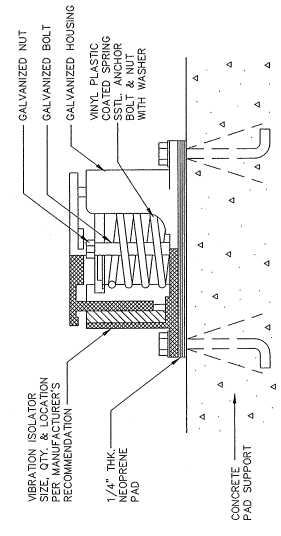
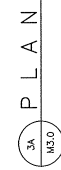
1 ROOF VENTILATOR DETAIL  
 M3.0 N.T.S.



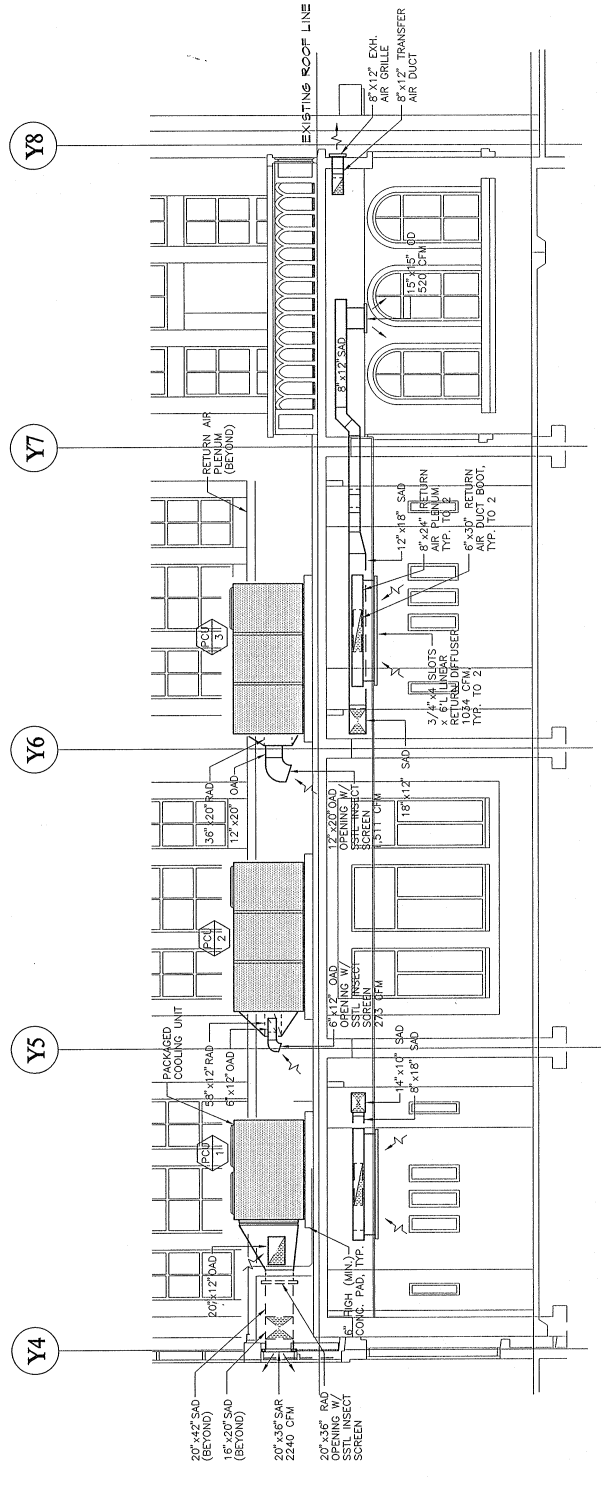
2 DUCT SUPPORT DETAIL  
 M3.0 N.T.S.



3 VIBRATION ISOLATOR DETAIL  
 M3.0 N.T.S.



3B ELEVATION/SECTION "A-A"  
 M3.0



8 S E C T I O N  
 M3.0 SCALE 1/4" = 1'-0"

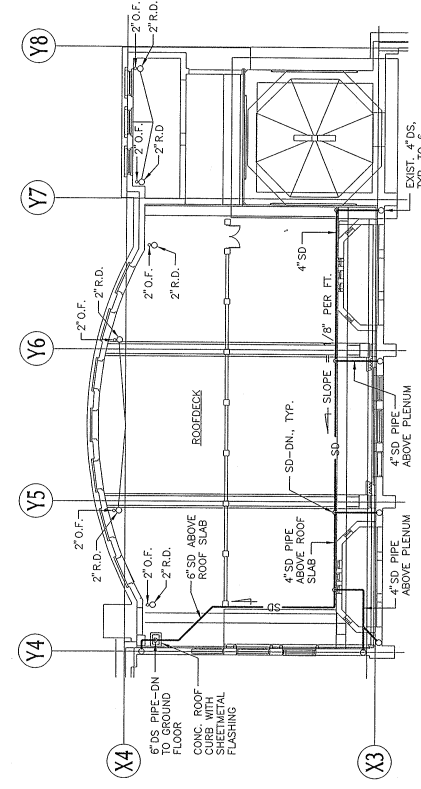


**GENERAL NOTES**

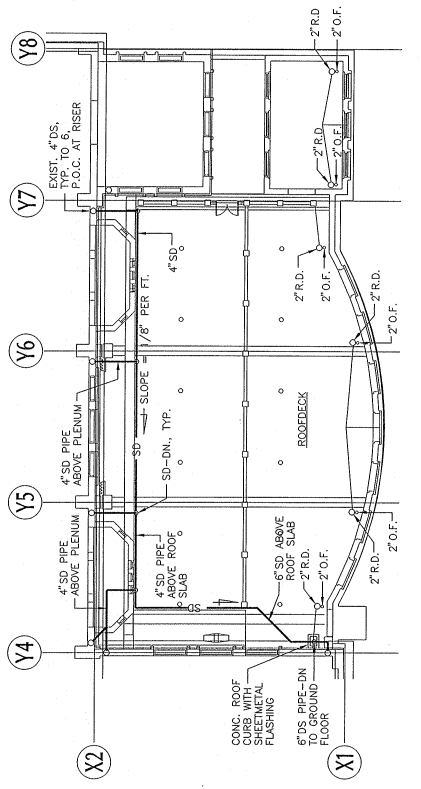
- ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNMENT LAWS, ORDINANCES, RULES AND REGULATIONS AND ORDERS. PLUMBING WORK SHALL CONFORM WITH UNIFORM PLUMBING CODE.
- CONTRACTOR SHALL OBTAIN AND PAY FOR GOVERNMENT PERMITS REQUIRED AND ARRANGE FOR PERIODIC AND FINAL INSPECTION BY GOVERNMENT AUTHORITIES.
- WORKMAN SHALL SUBMIT TO THE CONTRACTING OFFICER 4 SETS OF AS-BUILT DRAWINGS AFTER COMPLETION OF PLUMBING WORK.
- PLUMBING WORK SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE THAT IT IS IN PROPER PHASING WITH ALL OTHER TRADES AND WITH THE OVERALL CONSTRUCTION PROGRAM.
- EQUIPMENT AND FIXTURE CONFIGURATION, DIMENSIONS AND PIPING CONNECTIONS VARY WITH DIFFERENT MANUFACTURERS AND MAY DIFFER FROM THAT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SUCH VARIATIONS TO THE CONTRACTING OFFICER FOR APPROVAL. APPROVAL DOES NOT IMPLY LIABILITY FOR CONTRACTOR'S NO ADDITIONAL COST.
- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATION TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH AN INSTALLATION SHALL BE FURNISHED WHETHER OR NOT PARTICULARLY SHOWN OR MENTIONED.
- PROVIDE MINIMUM 2% SLOPE ON HORIZONTAL BAWWATER LINES.
- PROVIDE PIPE SLEEVES FOR PIPES PASSING THROUGH WALLS AND FLOORS.

**LEGEND**

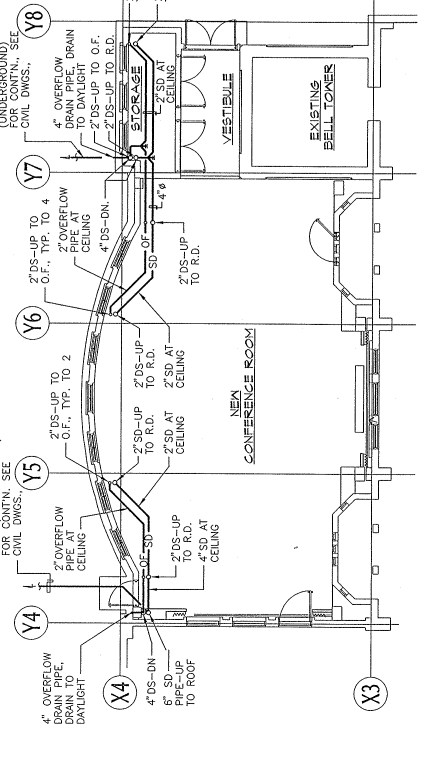
SYMBOL	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
—DS—	DS	DOWN STROUT	—TYP.	TYPICAL
—OF—	OF	OVER FLOW	Ø	DIAMETER
—SD—	SD	STORM DRAIN	R.D.	ROOF DRAIN
—O.F.—	O.F.	OVER FLOW DRAIN	EXIST.	EXISTING
			C.O.	PLUG CLEANOUT
			P.O.C.	POINT OF CONNECTION



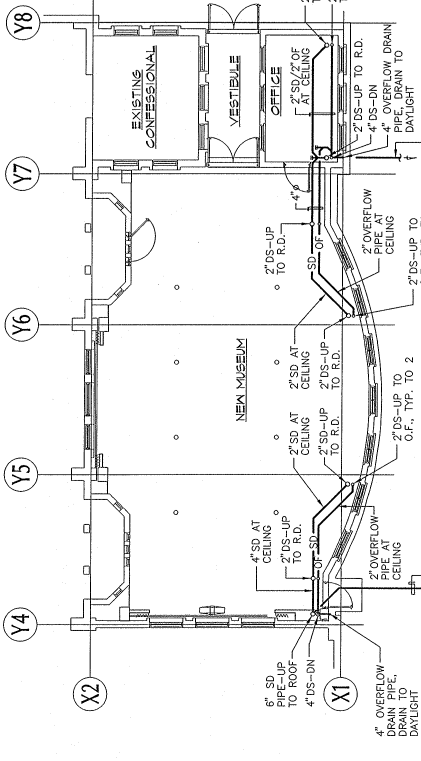
2 CONFERENCE ROOM RAINWATER PIPING PLAN  
SCALE: 1/8" = 1'-0"



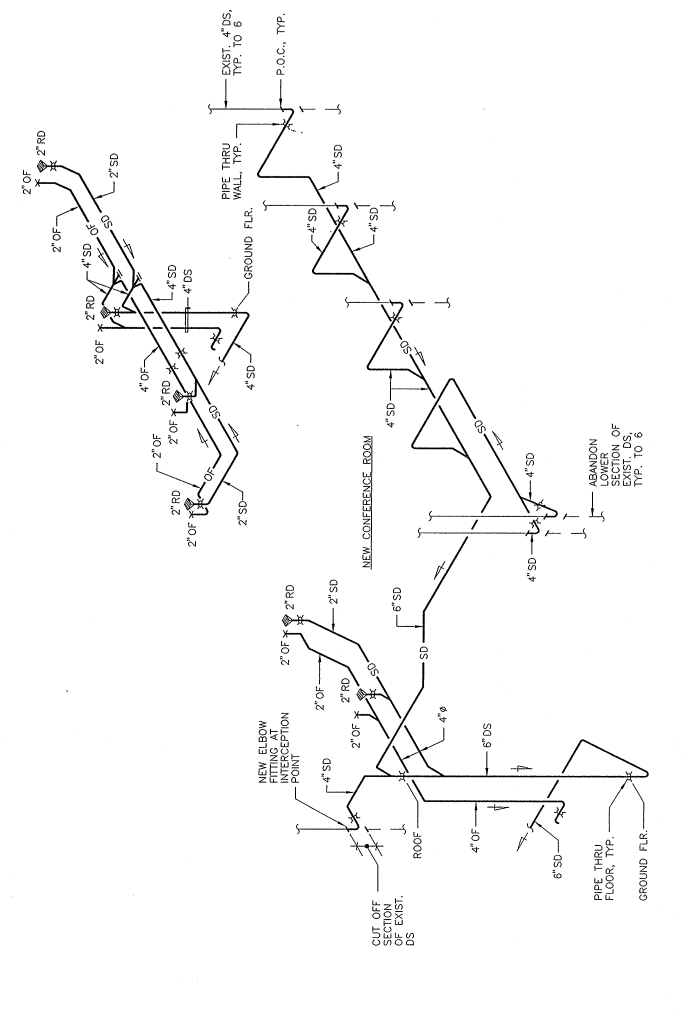
4 MUSEUM ROOF RAINWATER PIPING PLAN  
SCALE: 1/8" = 1'-0"



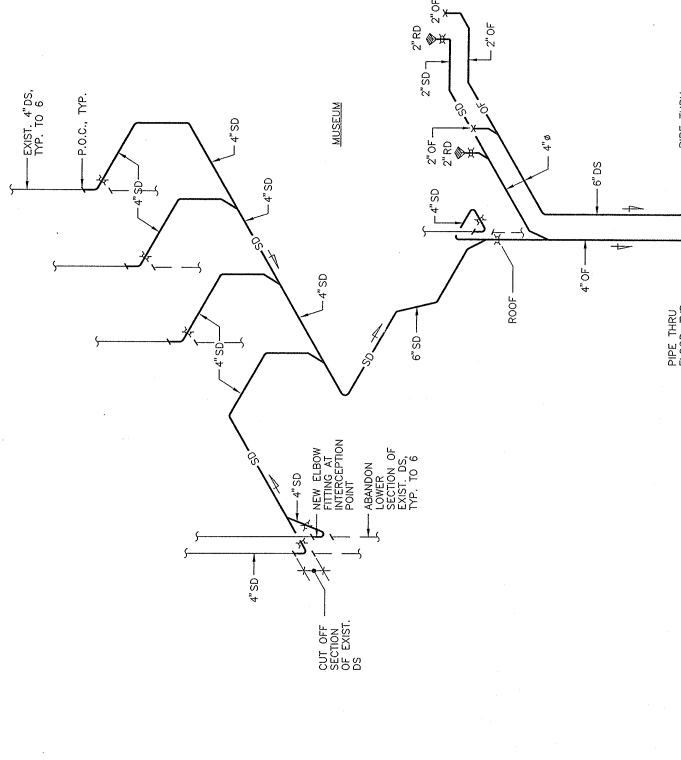
1 CONFERENCE ROOM RAINWATER PIPING PLAN  
SCALE: 1/8" = 1'-0"



3 MUSEUM RAINWATER PIPING PLAN  
SCALE: 1/8" = 1'-0"



5 CONFERENCE RAINWATER PIPING ISOMETRIC  
P.I.O. N T S



6 MUSEUM RAINWATER PIPING ISOMETRIC  
P.I.O. N T S

**CIVIL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 98110

**STRUCTURAL:**  
**J.M. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 98110

**MECHANICAL:**  
**LRA & ASSOCIATES**  
P.O. Box 9177  
Dededo, Guam 98112

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
Agaña, Guam 98110

**LANDSCAPE:**  
**BELT COLLINS**  
P.O. Box 900-A  
414 N. Salsabil Avenue  
Agaña, Guam 98110

**MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
CATHEDRAL - BASILICA**  
AGANA, GUAM



DESIGNED BY: ASD  
CHECKED BY: JCD/RS  
SUPERVISED BY: ASD  
DRAWING NO.: SUB-042007  
CATEGORY: E

JOB NO. 221-02

DRAWING TITLE: **1**

ONE-LINE DIAGRAM  
ELEC. SCHEDULE  
SYMBOLS, ABBR  
LOAD SCHEDULE  
FIRE ALARM RISER

DESIGNED BY: ASD  
CHECKED BY: JCD/RS  
SUPERVISED BY: ASD  
DRAWING NO.: SUB-042007  
CATEGORY: E

DATE: 11-27-16  
SHEET NO.: 1 OF 1

**ELECTRICAL SYMBOLS :**

	2' X 4' FLUORESCENT LIGHTING FIXTURE, CEILING RECESSED MOUNTED
	2' X 4' FLUORESCENT LIGHTING FIXTURE, CEILING RECESSED MOUNTED WITH EMERGENCY BACKUP BATTERY
	FLUORESCENT STRIP LIGHT, 4 FT. LENGTH, 1 LAMP
	HID DOWNLIGHT, METAL HALIDE
	DUPLEX RECEPTACLE, 15A, 125V, GROUNDING TYPE, WALL FLUSH MOUNTED
	DUPLEX RECEPTACLE, 5FCI TYPE, WALL FLUSH MOUNTED
	DUPLEX RECEPTACLE, WEATHER PROOF TYPE, WALL FLUSH MOUNTED
	DUPLEX FLOOR MTD. OUTLET, 15A, 125V, GROUNDING TYPE, WALL FLUSH MOUNTED
	TELEPHONE OUTLET
	TELEVISION OUTLET
	JUNCTION BOX, CEILING MOUNTED / WALL MOUNTED
	EXIT SIGN LIGHT, SHAPED QUADRANT INDICATES SIGN LETTERED FACE CEILING MOUNTED
	ELECTRICAL PANELBOARD
	CIRCUIT BREAKER, RATING AS INDICATED
	CIRCUIT HOMERON
	UNDERGROUND RACEWAY
	RACEWAY EMBEDDED IN FINISH FLOOR OR UNDERGROUND
	SWITCH, FLUSH QUIET TAMPER, 15A, 125V LETTER INDICATES FIXTURE OR DEVICE BEING CONTROLLED BY SWITCH
	SMOKE DETECTOR, IONIZATION TYPE / HEAT DETECTOR
	INDICATOR, DETAIL NUMBER, BOTTOM HALF INDICATES SHT. NO.
	INDICATOR, RACEWAY SECTION
	EQUIPMENT
	NON-FUSIBLE DISCONNECT SWITCH, RATING AS INDICATED
	SECONDARY CONCRETE HANDHOLE
	LIGHTING CONTACTOR
	FLEXIBLE CONDUIT

**ABBREVIATION :**

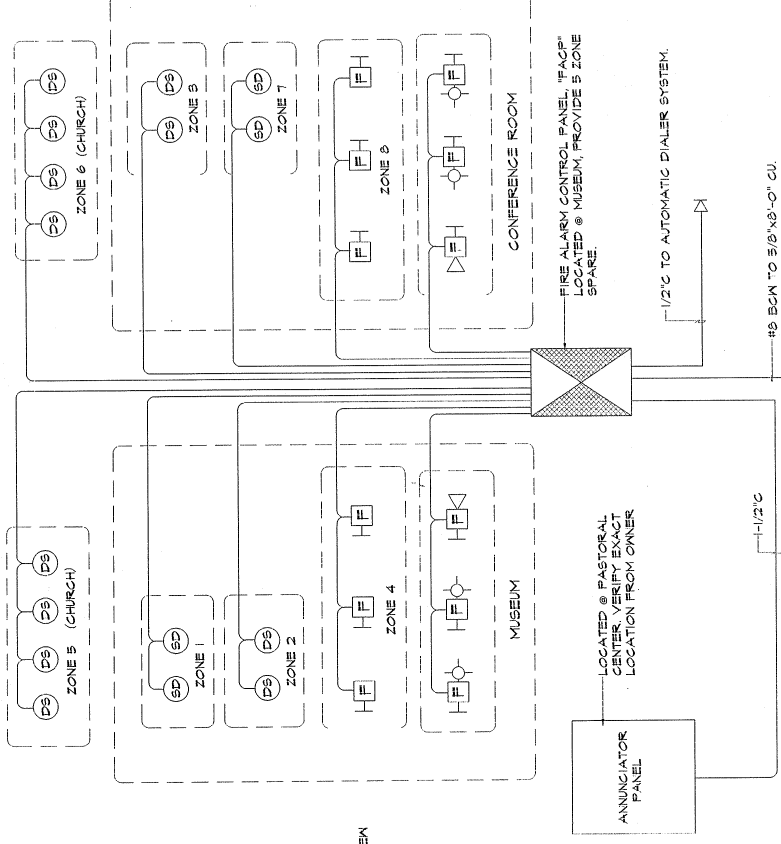
ACCU	AIR COOLED CONDENSING UNIT	LC	LIGHTING CONTACTOR
ACL	ABOVE COUNTER LEVEL	LVDS	LOW VOLTAGE DIST. SWBD
AFF	ABOVE FINISH FLOOR	MCB	MAIN CIRCUIT BREAKER
AMP	AMPERES	NFDS	NON FUSIBLE DISCONNECT SWITCH
BCN	BARE COPPER WIRE	P	POLE
CL	CURFEW LIGHT	PNL	PANEL
GKT	CIRCUIT	PULD	PANELBOARD
CB	CIRCUIT BREAKER	SHH	SECONDARY HANDHOLE
CONC	CONCRETE	TYP	TYPICAL
ECB	ENCLOSED CIRCUIT BREAKER	US	UNDERGROUND
FCU	FAN COIL UNIT	WP	WATERPROOF
SFI	GROUND FAULT INTERRUPTER	XTRM	TRANSFORMER
GRND	GROUND		
KVA	KILOVOLT AMPERE		

**NOTES : (THIS SHEET ONLY)**

- ① 200A, 3 POLES, 240V, NEMA 3R, NFDS
- ② 100A, 3 POLES, 240V, NEMA 3R, NFDS

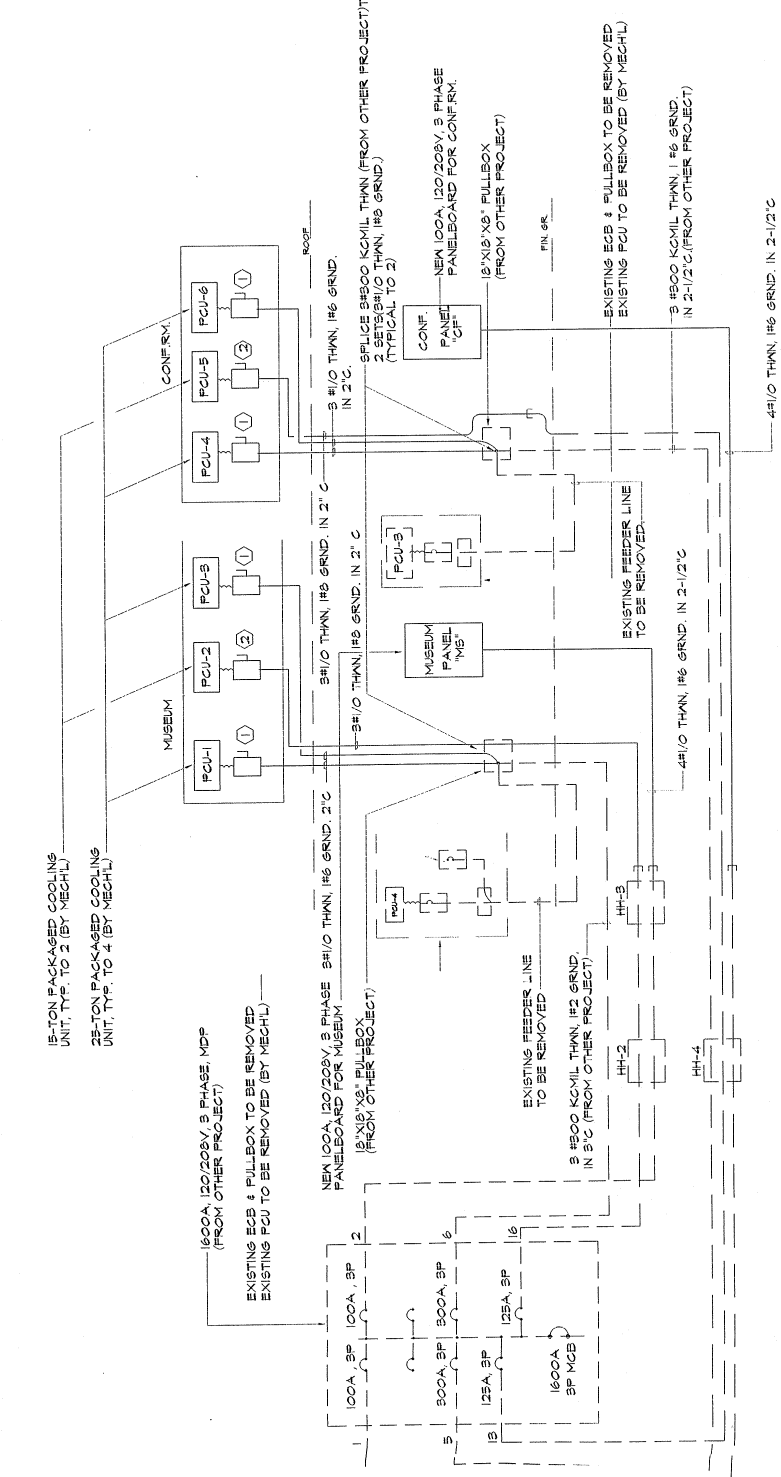
**GENERAL ELECTRICAL NOTES:**

1. ALL MATERIALS TO BE USED FOR THIS PROJECT SHALL BE NEW UNLESS LISTED AND OF THE APPROVED TYPE.
2. CONDUITS SHALL BE ALUMINUM WHERE EXPOSED AND PVC SCHEDULE 40 WHERE EMBEDDED OR UNDERGROUND. MINIMUM CONDUIT SIZE SHALL BE 1/2".
3. EXPOSED CONDUITS SHALL RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
4. WIRES SHALL BE TYPE "THM", "THHN", OR "THWN" WHERE INDICATED IN THE PLANS. MINIMUM SIZE SHALL BE #12.
5. WIRING SHALL BE COLOR CODED AS FOLLOWS:  
RED PHASE "A"  
WHITE PHASE "B"  
GREEN PHASE "C"  
NEUTRAL  
BLACK GROUND  
PHASE "A"  
BLACK PHASE "B"  
BLACK PHASE "C"
6. NON-CURRENT CARRYING METALLIC PARTS OF METERS, PANEL BOARDS, ELECTRICAL EQUIPMENT AND DEVICES SHALL BE GROUNDING. AS-BUILT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE GOVERNMENT OF GUAM, GUAM POWER AUTHORITY AND APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
8. ALL ELECTRICAL BOXES EMBEDDED IN CONCRETE SHALL BE DIPPED IN ASPHALTIC CEMENT.
9. ALL ELECTRICAL WORK SHALL BE DONE BY A GUAM LICENSED MASTER ELECTRICIAN OR UNDER THE DIRECTION OF SAID ELECTRICIAN.
10. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND SHALL TAKE EVERY PRECAUTION FROM DAMAGING EXISTING STRUCTURES AND EXISTING UNDERGROUND LINES WHERE THEY OCCUR.
11. ALL CONDUITORS SHALL BE COPPER.
12. ELECTRICAL SWITCHES AND DEVICES WHICH ARE EXPOSED TO THE WEATHER SHALL HAVE A NEMA 3R ENCLOSURE.
13. COORDINATE WORK WITH PUAG, EPA, AND EPA FOR ANY EXISTING UNDERGROUND LINES. EXISTING UNDERGROUND LINES SHALL BE IDENTIFIED PRIOR TO EXCAVATION.
14. CONDUITS SHALL BE FREE OF DIRT AND ROCKS. NIPE CONDUITS AND CAP WHERE NOTED.
15. ALL CONDUITS CROSSING DRIVEWAYS OR ROADWAYS SHALL BE ENCASED IN CONCRETE.
16. MAINTAIN A 24" MINIMUM DISTANCE FROM FINISH GRADE TO CONDUIT ENCASUREMENT.
17. CONDUITS SHALL BE MANIFESTED BEFORE FINAL INSPECTION OF THE CONDUIT WORK AND BEFORE WIRES ARE PULLED IN.
18. WHERE CONNECTION IS MADE TO SWITCHES AND OTHER ELECTRICAL DEVICES WHICH ARE SUBJECT TO VIBRATION, USE FLEXIBLE CONDUIT.
19. THE TRENCHING FOR UNDERGROUND WORK CROSSES SIDEWALKS AND EXISTING UNDERGROUND LINES SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

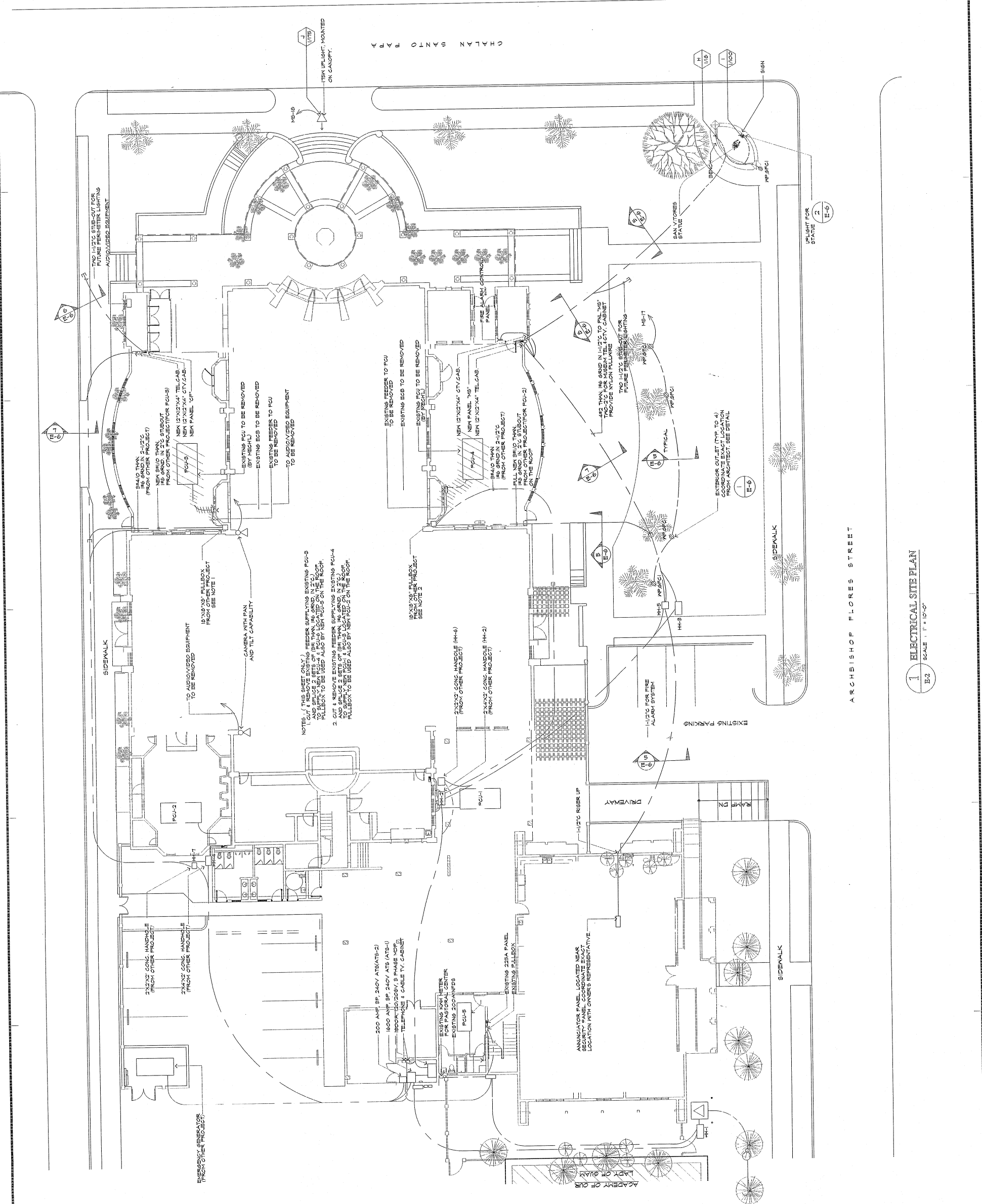


NOTE: AUTOMATIC DIALER SYSTEM SHALL BE INSTALLED WITHIN 15' OF SENDIN'S FIRE-RECORDED MESSAGES VIA DESIGNATED PHONE NUMBER.

**2 FIRE ALARM RISER DIAGRAM**  
E-1 N T S



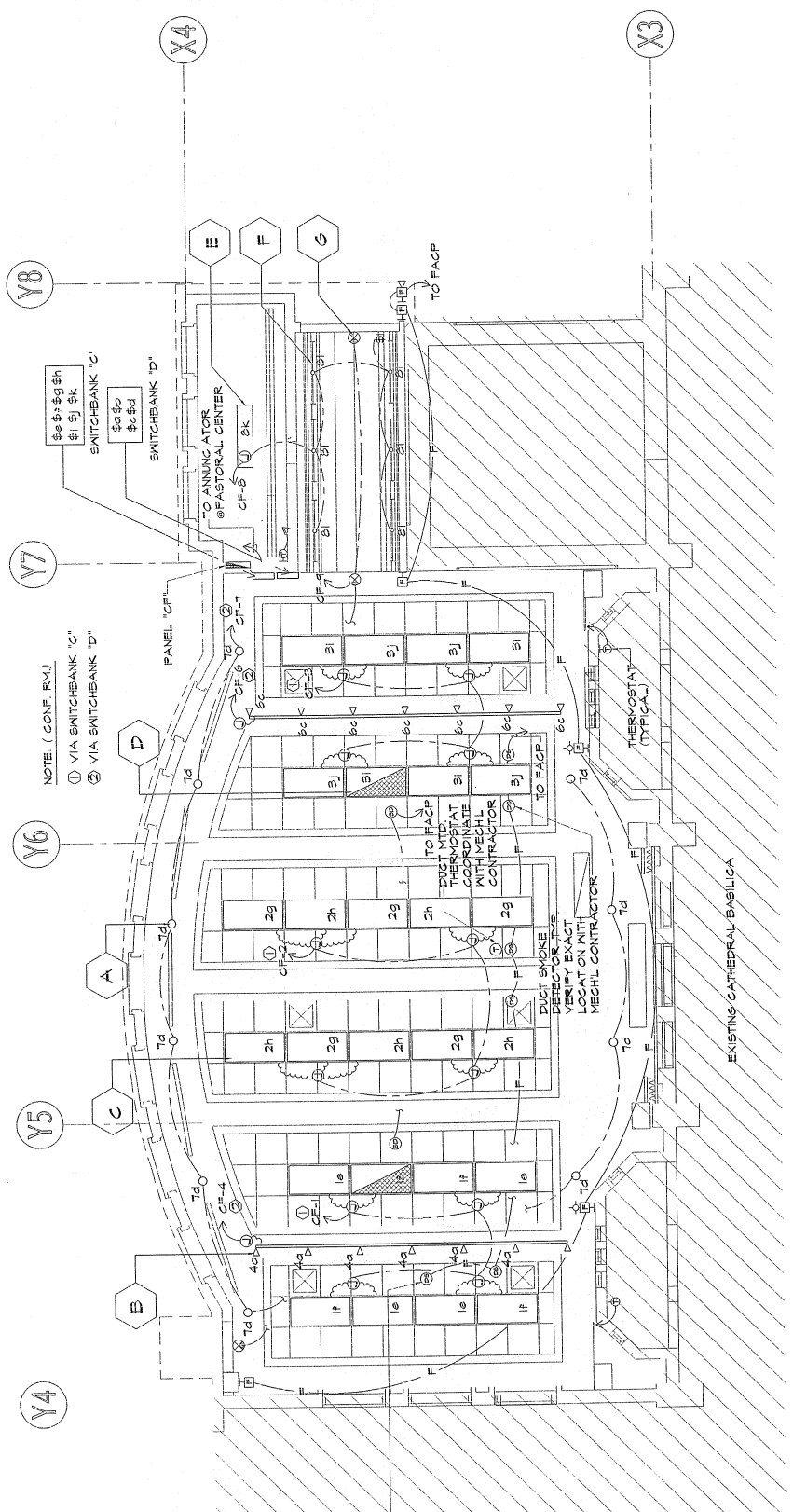
**1 POWER ONE LINE DIAGRAM**  
E-1 N T S



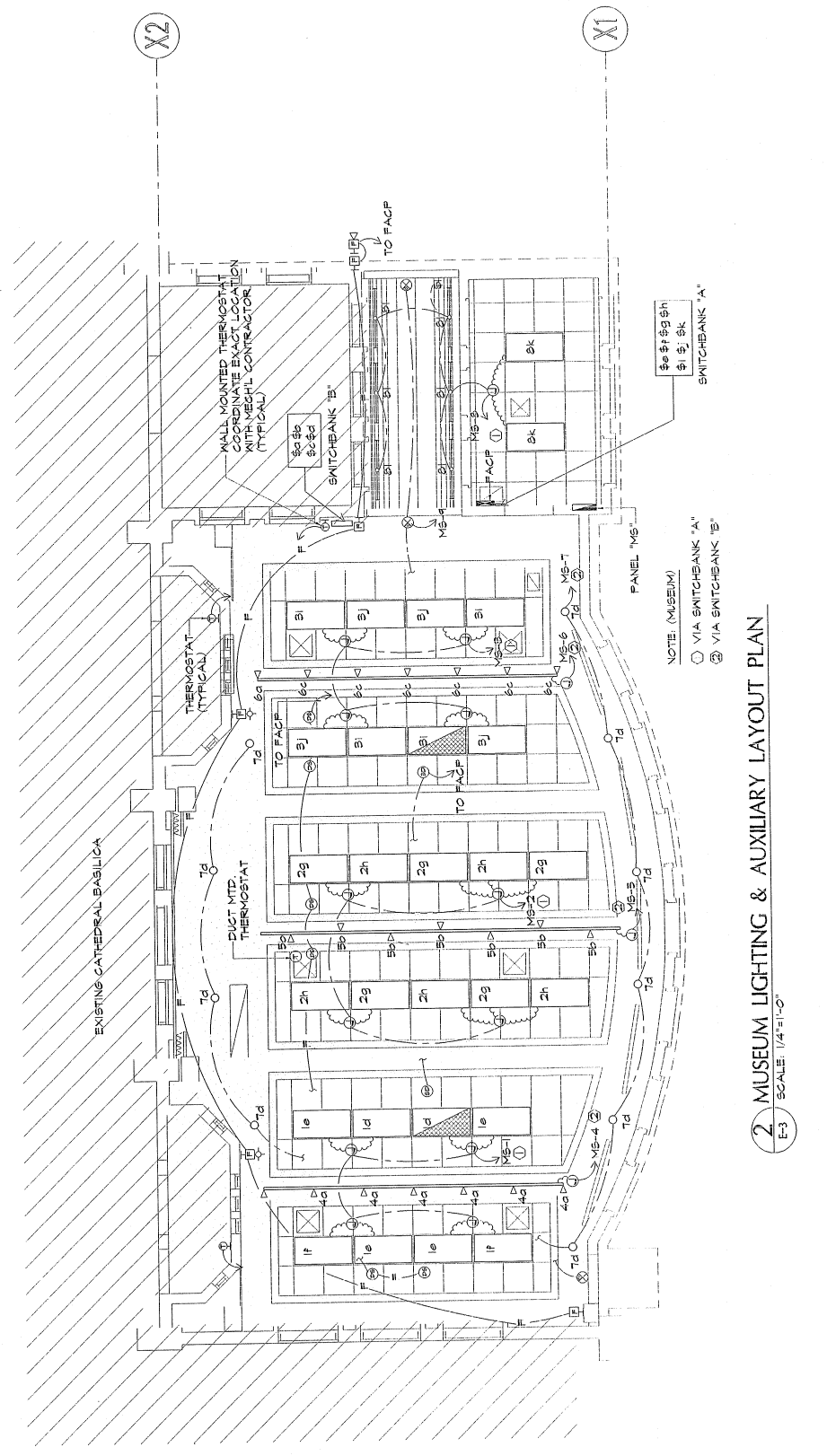
NOTES: (1) THIS SHEET ONLY  
 1. CUT & REMOVE EXISTING FEEDER SUPPLYING EXISTING FCU-5 AND REPLACE WITH NEW FCU-5 LOCATED ON THE ROOF. PULLBOX TO BE USED ALSO BY NEW FCU-5 ON THE ROOF.  
 2. CUT & REMOVE EXISTING FEEDER SUPPLYING EXISTING FCU-4 AND REPLACE WITH NEW FCU-4 LOCATED ON THE ROOF. PULLBOX TO BE USED ALSO BY NEW FCU-4 ON THE ROOF.

1 ELECTRICAL SITE PLAN  
 E-2 SCALE: 1" = 10'-0"

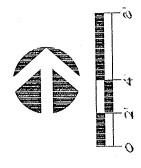


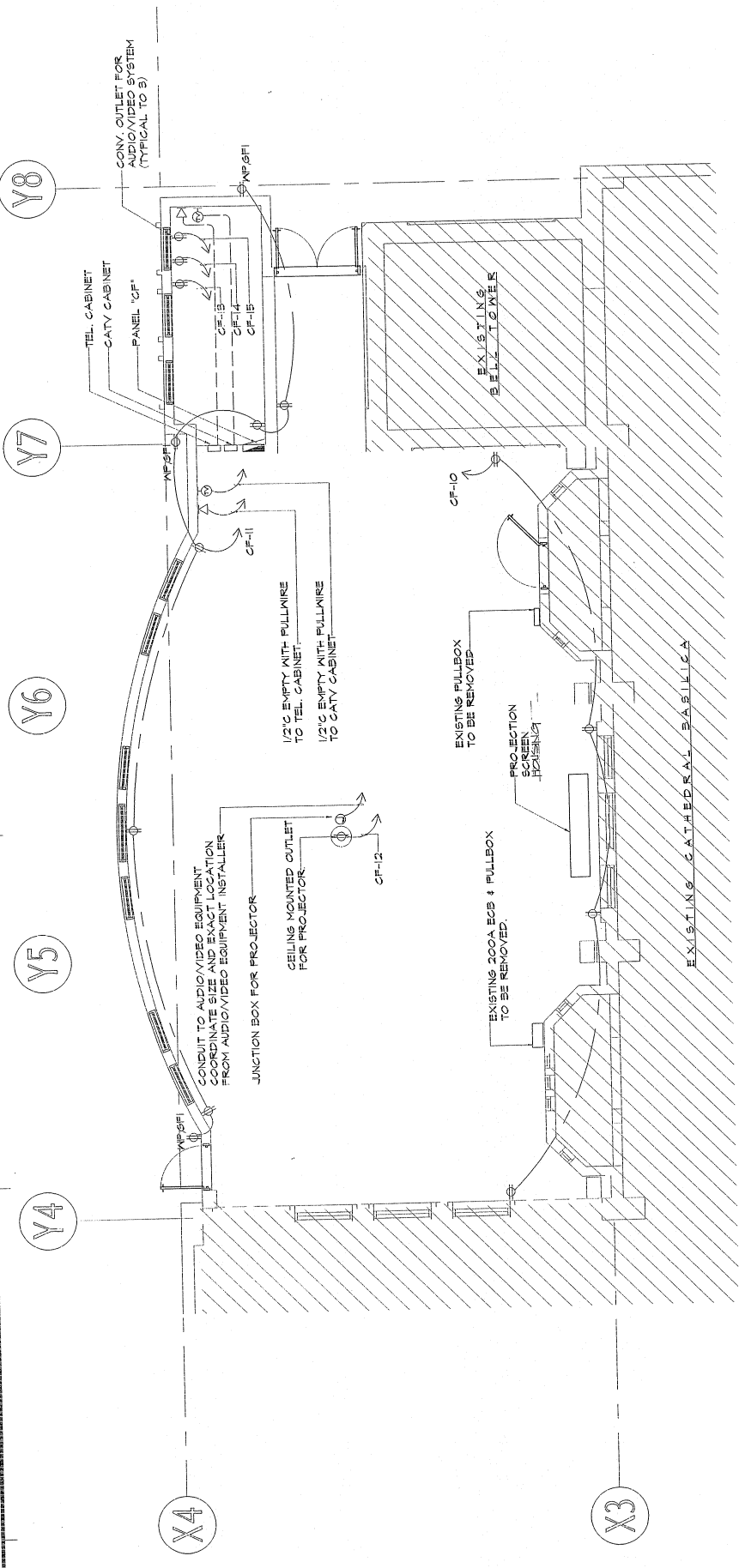


1 CONF. RM. LIGHTING & AUXILIARY LAYOUT PLAN  
E-3 SCALE: 1/4"=1'-0"

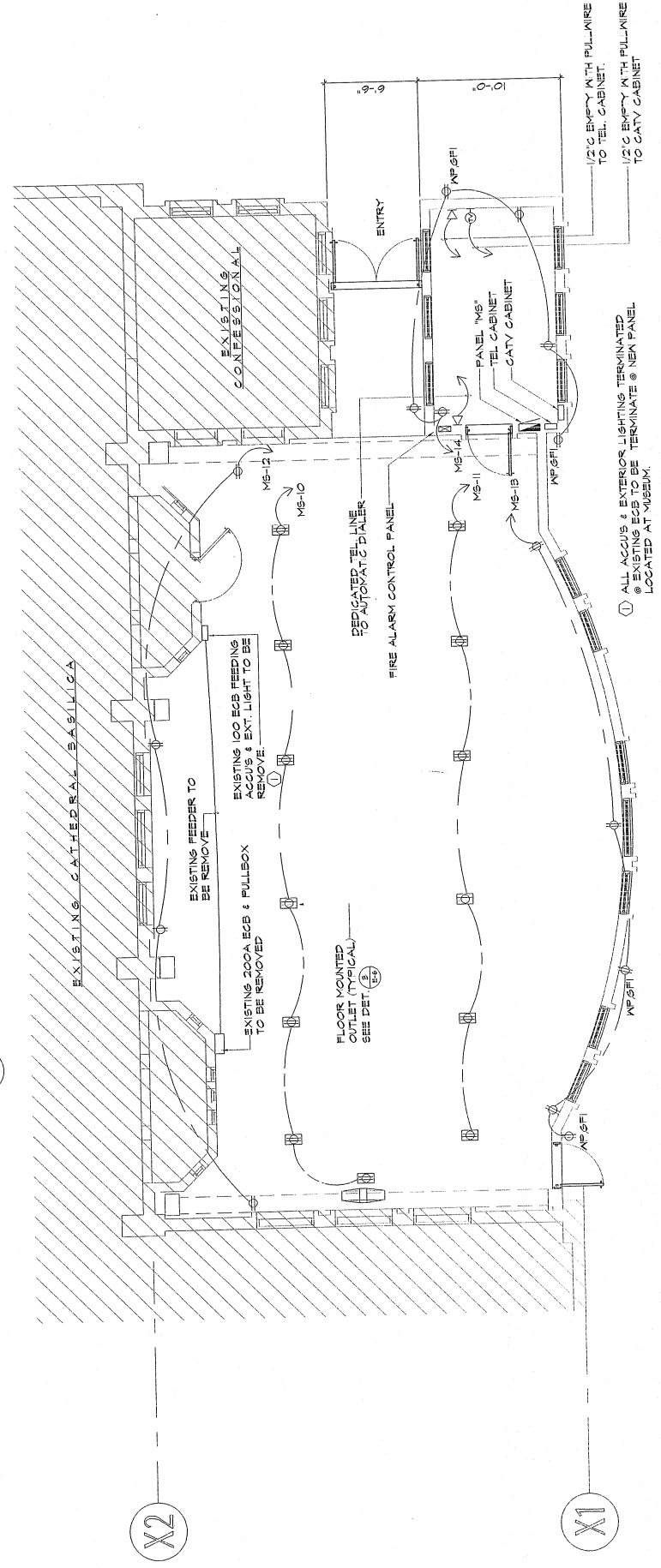


2 MUSEUM LIGHTING & AUXILIARY LAYOUT PLAN  
E-3 SCALE: 1/4"=1'-0"



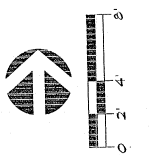


**1 CONF. RM. POWER & AUXILIARY LAYOUT PLAN**  
SCALE: 1/4"=1'-0"



**2 MUSEUM POWER & AUXILIARY LAYOUT PLAN**  
SCALE: 1/4"=1'-0"

① ALL ACCUIS & EXTERIOR LIGHTING TERMINATED @ EXISTING ECB TO BE TERMINATE @ NEA PANEL LOCATED AT MUSEUM.



**CIVIL:**  
**JM. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

**STRUCTURAL:**  
**JM. AQUINO, PE**  
Julie Shopping Center, Suite 233  
Agaña, Guam 96910

**MECHANICAL:**  
**LRA & ASSOCIATES**  
1000 Soledad Street  
Dededo, Guam 96912

**ELECTRICAL:**  
**A.S. DELGADO & ASSOCIATES**  
P.O. Box 3189  
Agaña, Guam 96910

**LANDSCAPE:**  
**BELT COLLINS**  
CCC Building, Suite 600-A  
1000 Soledad Street  
Agaña, Guam 96910

MUSEUM & CONFERENCE CENTER  
ADDITIONS TO  
CATHEDRAL - BASILICA  
AGANA,  
GUAM

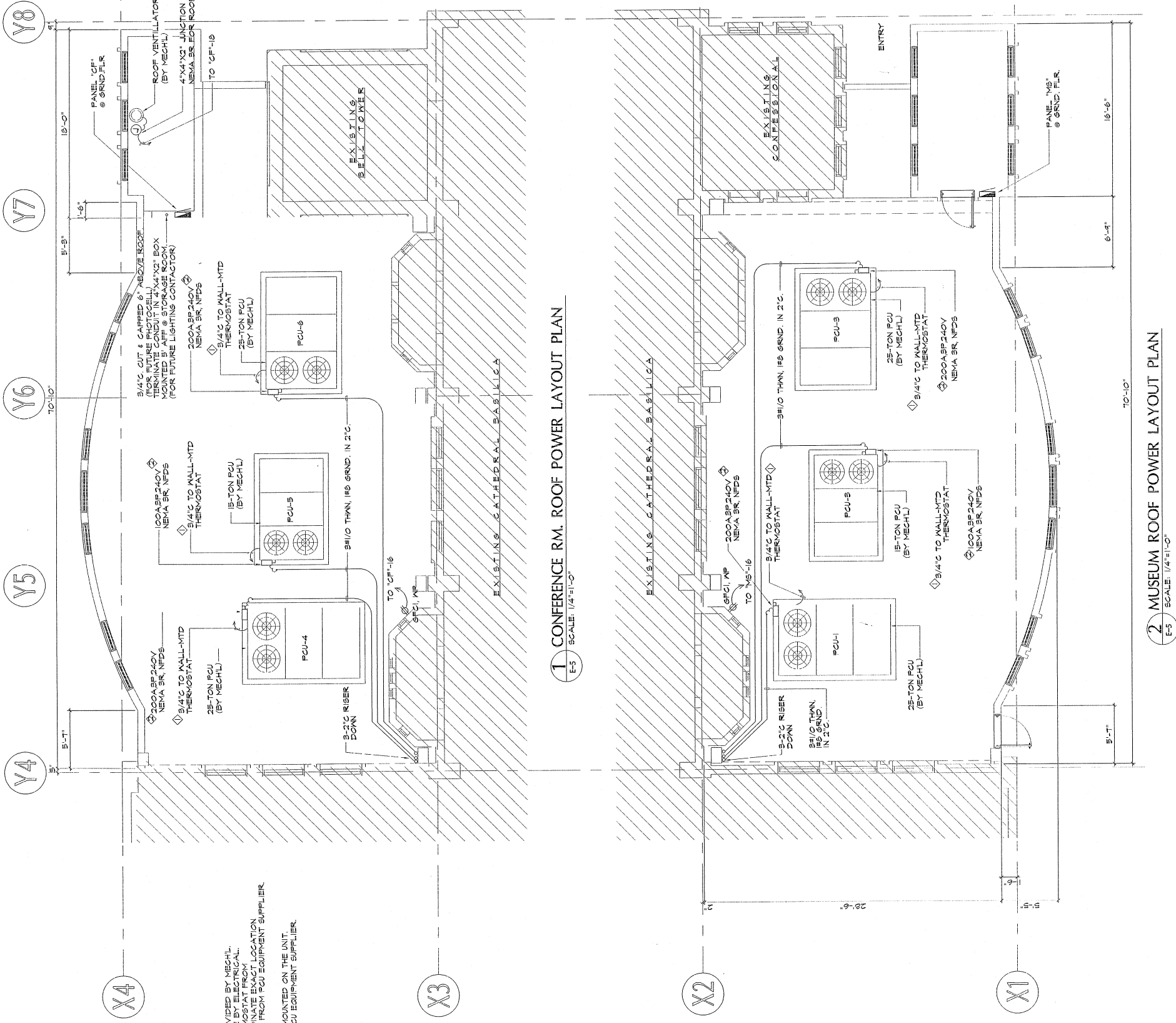


DESIGNED BY: ASD  
DRAWN BY: JL/MS  
CHECK BY: ASD  
SUPERVISED BY: ASD  
DRAWING NO. 200-010-01  
CATEGORY 2-M-05

JOB NO. 221-02

DRAWING TITLE:  
CONFERENCE ROOM  
AND MUSEUM ROOF  
POWER LAYOUT PLAN

DESIGNED BY: ASD  
DRAWN BY: JL/MS  
CHECK BY: ASD  
SUPERVISED BY: ASD  
DRAWING NO. 200-010-01  
CATEGORY 2-M-05  
E 5



- NOTES:**
- ◇ THERMOSTAT AND WIRE TO BE PROVIDED BY MECH. CONDUIT LAYOUT AND TOLLING MARKS BY ELECTRICAL. MECHANICAL CONTRACTOR COORDINATE EXACT LOCATION OF THERMOSTAT CONDUIT RISER UP FROM PCU EQUIPMENT SUPPLIER.
  - ◇ NON-FUSIBLE DISCONNECT SWITCH MOUNTED ON THE UNIT. VERIFY EXACT LOCATION FROM PCU EQUIPMENT SUPPLIER.

1 CONFERENCE RM. ROOF POWER LAYOUT PLAN  
E-5 SCALE: 1/4"=1'-0"

2 MUSEUM ROOF POWER LAYOUT PLAN  
E-5 SCALE: 1/4"=1'-0"