

A. GENERAL NOTES:

- CONSTRUCTION NOTES ARE TYPICAL TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- SHOPDRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN, CHECK WITH MECHANICAL, ELECTRICAL, AND SANITARY CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
- THE SHORING OF EXCAVATIONS SHALL BE DONE PROPERLY IN ORDER TO PROTECT ADJACENT EXISTING BUILDINGS.
- IN CASE OF DOUBT OR DISCREPANCY IN PLAN CONSULT AT ONCE THE STRUCTURAL ENGINEER.
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- FIELD VERIFY ALL DIMENSIONS.

B. CONCRETE AND REINFORCEMENT:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITION OF THE BUILDING CODE REQUIREMENTS OF AMERICAN CONCRETE INSTITUTE (ACI-318).
- ALL CONCRETE SHALL DEVELOP A MAXIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS:

LOCATION	28 DAYS STRENGTH	MAXIMUM SIZE AGGREGATES	MAXIMUM SLUMP
CURBS AND SLABS ON GRADE EXCEPT FOUNDATION	2,500 Psi	1 inch	4 inches
FOUNDATION, COLUMNS AND RETAINING WALLS	3,000 Psi	3/4 inch	4 inches
BEAMS AND SUSPENDED SLABS	3,000 Psi	3/4 inch	4 inches

- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 PMS GRADE 230 (STRUCTURAL GRADE). DEFORMATION CONFORMING TO ASTM A-305.
- IN GENERAL, THE LATEST EDITION OF ACI-318, MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO, UNLESS OTHERWISE SHOWN OR NOTED.
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

SUSPENDED SLABS	3/4 inch
SLAB ON GRADE	1-1/2 inches
BEAMS STIRRUPS & COLUMN TIES	1-1/2 inches

WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST EARTH

2 inches

WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH

3 inches

- SPICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH). UNLESS OTHERWISE SHOWN ON DRAWINGS, SPICES SHOULD BE STAGGERED WHENEVER POSSIBLE.

- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, TOOLS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS.

- ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF BURLAP BAGS, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

- STRIPPING OF FORMS AND SHORES.

FOUNDATION	24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	14 DAYS
WALLS	18 HRS.
BEAMS	14 DAYS

- CONSTRUCTION JOINTS IN FLOOR SLABS SHALL BE WITHIN THE MIDDLE SPAN, SAME AS WITH BEAMS AND GIRDERS UNLESS A BEAM INTERSECTS A GIRDER AT THIS POINT. IN WHICH CASE, THE JOINTS IN THE GIRDER SHALL BE OFFSET AT A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM.

- NO HORIZONTAL CONSTRUCTION JOINTS SHALL BE MADE ON SLABS, BEAMS AND GIRDERS.

- FORMS FOR BEAMS AND SLAB SHALL HAVE A CAMBER OF 1/4" PER 10 FEET OF SPAN OF FORMS. CANTILEVER BEAMS SHALL HAVE A CAMBER OF 3/8" PER 4 FEET UP OF THE CANTILEVERED SPAN.

C. FOUNDATION

- FOUNDATION IS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 1,200 PSF.
- FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER. NO PART OF FOUNDATION SHALL REST ON FILL.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.

- IN CASE ACTUAL SOIL BEARING CAPACITY IS FOUND TO BE LESS THAN THE RESULT OF THE SOIL REPORT, NOTIFY STRUCTURAL ENGINEER FOR PROPER REVISION OF FOOTING DESIGN.
- EARTHILL SHALL HAVE AN OPTIMUM DENSITY OF 95%.
- A MINIMUM OF 6 INCHES TOP SOIL SHALL BE REMOVED FROM THE EXISTING GROUND. TOP SOIL SHALL NOT BE USED AS BACKFILL AND THEREFORE SHALL BE DISCARDED.

D. MASONRY AND CONCRETE BLOCKS.

- ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT OF NOT MORE THAN 80pcf. FOR LOAD BEARING TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 1,000 PSI SHALL BE DEVELOPED.
- PROVIDE 4 - #5 EXTRA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS AS SHOWN.
- INTEL BEAMS OR INTEL BLOCKS SHALL BEAR AT LEAST 8 INCHES ON EACH SIDE OF MASONRY WALL OPENINGS AS SHOWN.
- WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENTS	HORIZONTAL REINFORCEMENTS
8"	#4 @ 16 INCHES	#4 @ 24 INCHES
6"	#4 @ 24 INCHES	#4 @ 24 INCHES
4"	#4 @ 24 INCHES	#4 @ 24 INCHES

TABLE OF LAP SPLICES AND ANCHORAGE LENGTH

BAR DIAMETER (in.)	ANCHORAGE LENGTH (in.)	LAP SPICE (in.)				MIN. LAP SPICE LENGTH (in.) OF COL. REINFORCEMENTS, INDIVIDUAL BARS	
		TENSION BARS	COMPRESSION BARS	TOP BAR	BOTTOM BAR	W/ 1 TIE	W/ 2 TIE
#3	24	18	12	18	12	12	12
#4	24	18	12	18	12	12	12
#5	24	30	20	36	26	22	20
#6	24	36	26	44	32	26	24
#8	26	46	32	56	40	32	30
#9	32	58	42	62	44	36	34
#10	45	76	54	70	50	44	38
#11	55	96	68	90	58	48	44

E. DESIGN CRITERIA

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS OF THE ACI (AMERICAN CONCRETE INSTITUTE) CODE (LATEST EDITION), UBC (UNIFORM BUILDING CODE - LATEST EDITION) AND AISC MANUAL OF STEEL CONSTRUCTION (AMERICAN INSTITUTE OF STEEL CONSTRUCTION).
- ALLOWABLE STRESSES:
 - COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS:
 - COLUMN, BEAM, FOOTINGS, ETC. $f'_c = 4,000$ PSI
 - REINFORCING BARS SHALL BE ASTM-A-615 WITH DEFORMATION CONFORMING TO ASTM-A-305.
 - STRUCTURAL GRADE $f_s = 18,000$ PSI $f_y = 40,000$ PSI
- LOADINGS:
 - LIVE LOADS:
 - ROOF 20 PSF
 - GROUND FLOOR 60 PSF
 - DEAD LOADS:
 - CONCRETE 150 PCF
 - STEEL 490 PCF
 - WOOD (20-25% MC) 45.1 PCF
 - 4" CHB 49 PSF
 - 8" CHB 57 PSF
 - PARTITION 20 PSF
 - FLOOR FINISH 10 PSF
 - CEILING 10 PSF
 - ROOF 5 PSF
 - WIND LOAD 120 MPH
 - SEISMIC LOAD ZONE 2 REQUIREMENTS
 - ALLOWABLE SOIL BEARING CAPACITY 2,500 PSF

STANDARD HOOK DIMENSIONS

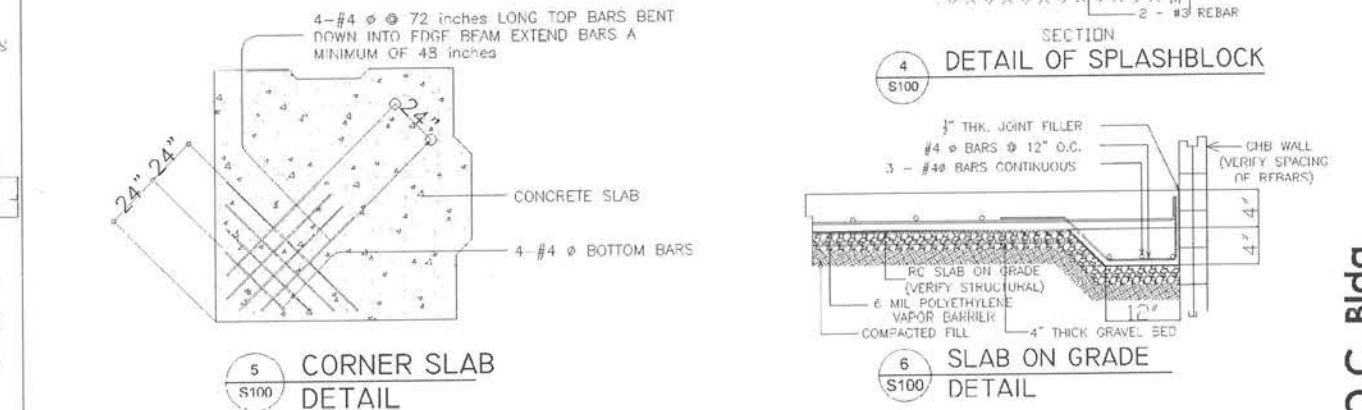
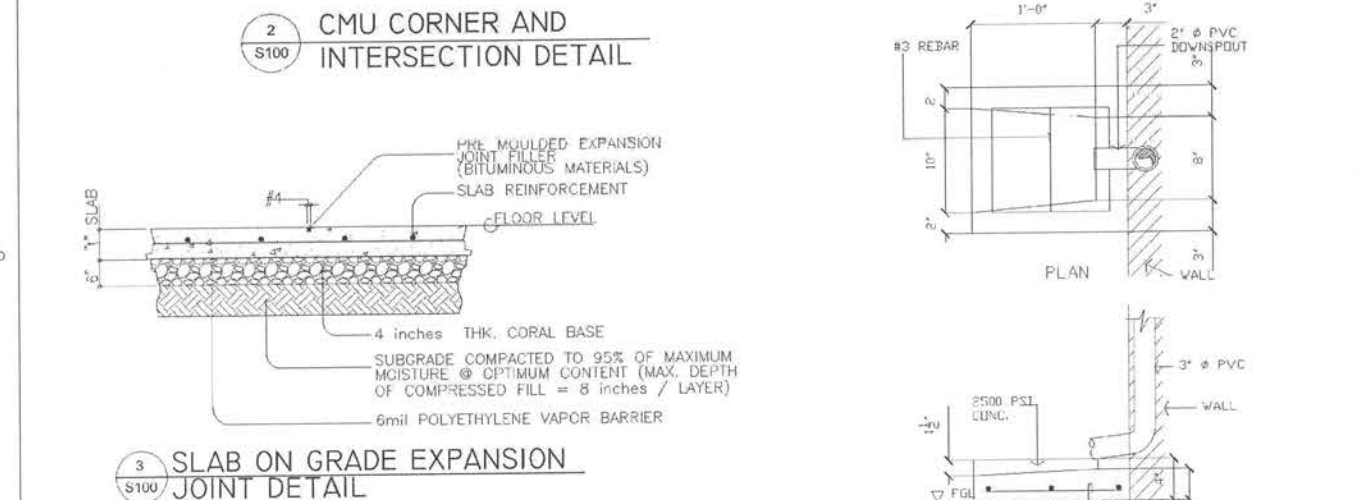
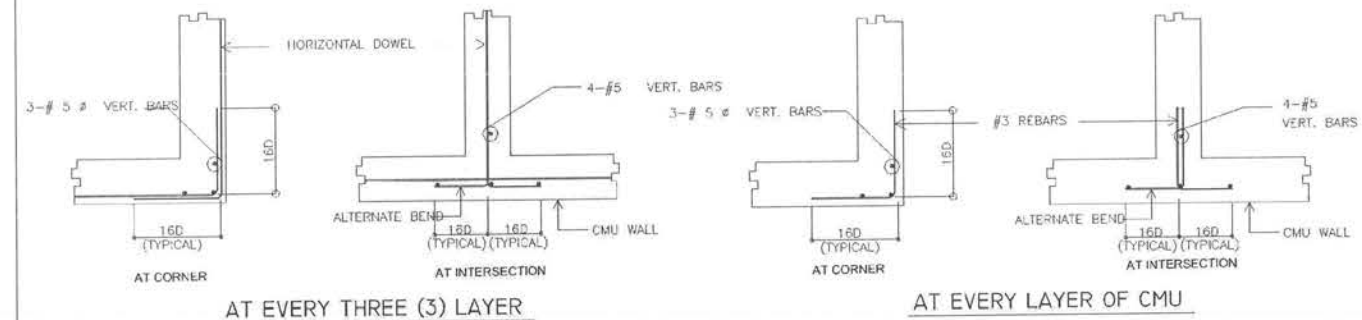
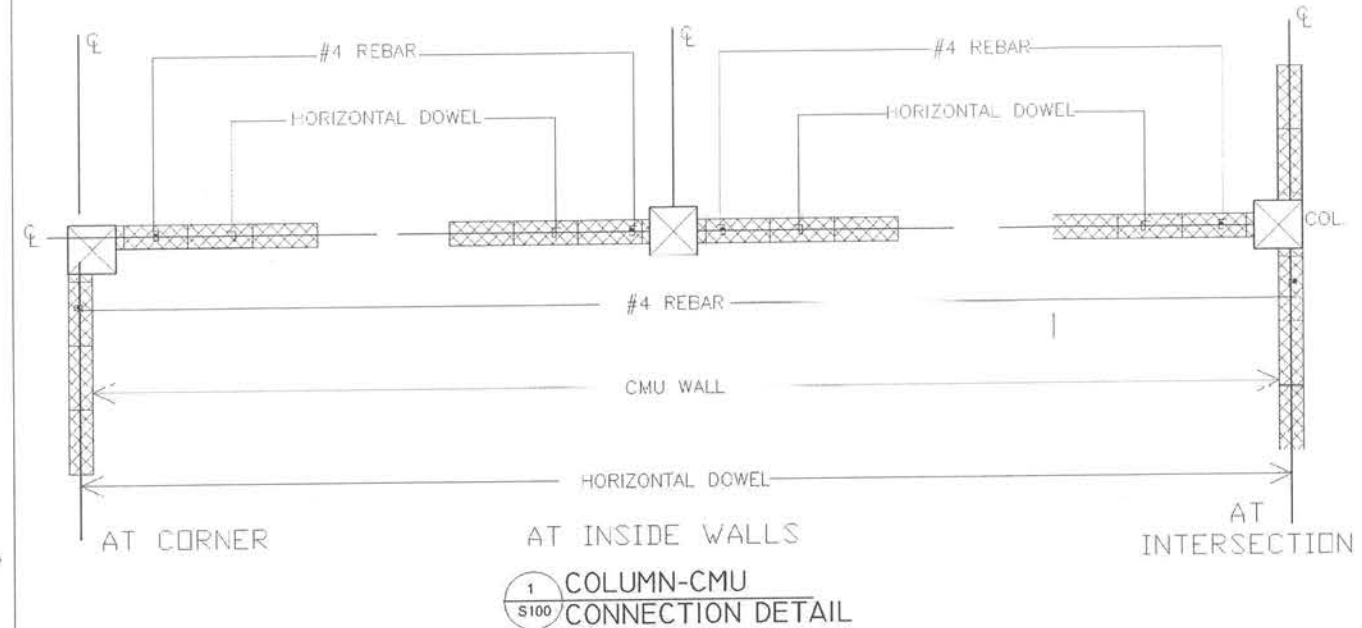
BAR SIZE (in.)	BAR DIAMETER (in.)	D	180° HOOK	90° HOOK
#3	3/8"	2"	1 1/2"	1 3/4"
#4	1/2"	2-1/2"	2-1/2"	5-3/4"
#5	5/8"	3-3/4"	2-1/2"	1-3/4"
#6	3/4"	4-3/4"	3"	9-1/2"
#7	7/8"	5"	4"	12"
#8	1"			

DETAILING DIMENSION

90° HOOK

DETAILING DIMENSION

180° HOOK



Palikir, Pohnpei

FOUNDATION
PLAN

Approved

SCALE: AS SHOWN

DRAWN:

SHEET

\$101

\$101



1
S101 **FOUNDATION PLAN**
SCALE 1' = 1/8"

SCALE

$$1' = 1/8''$$

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and Emergency Management Bldg.**
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ROOF FRAMING
PLAN

Approved

Approved

REVISION BY

DATE: Feb., 2011

SCALE: AS SHOWN

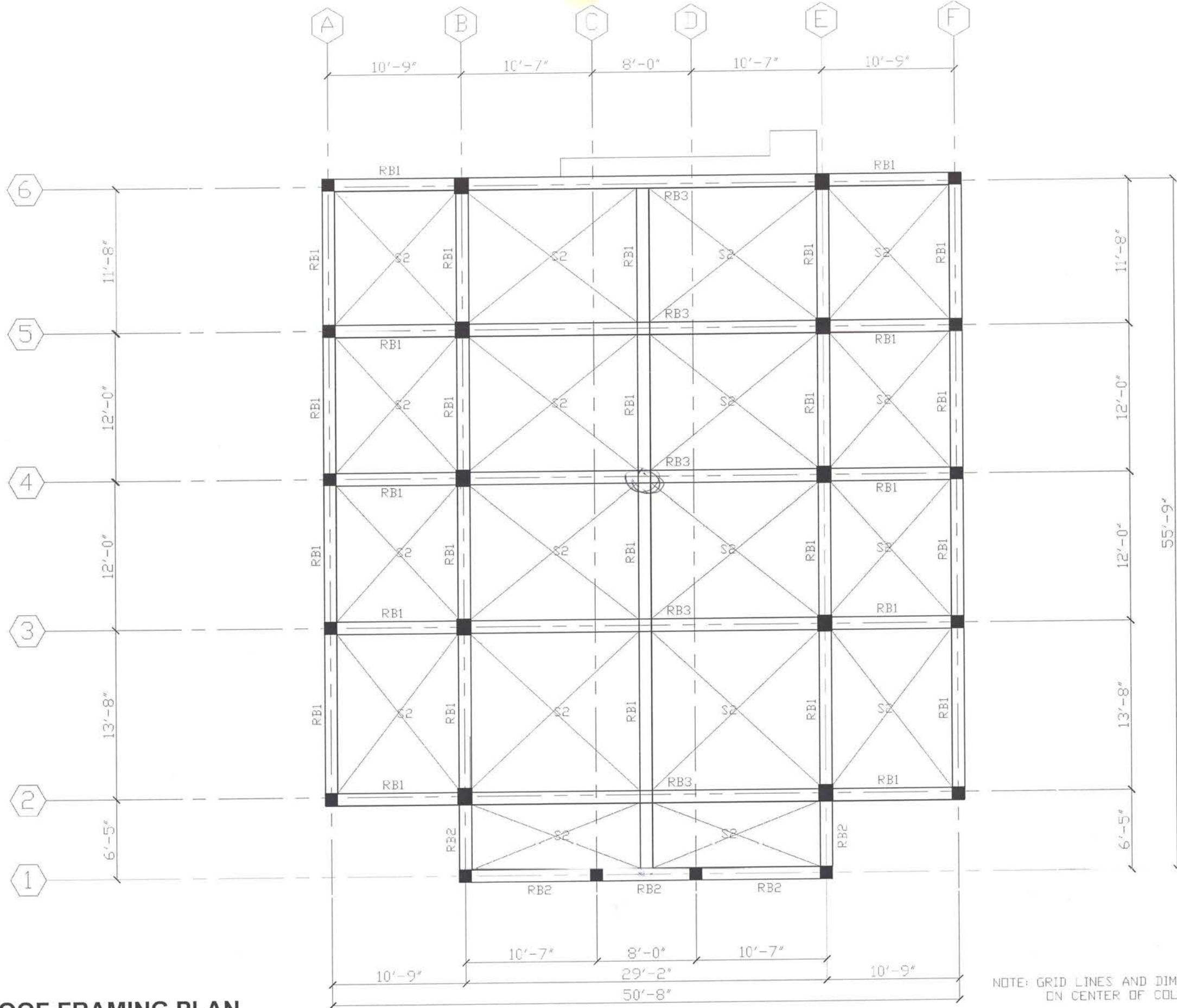
DRAWN:

JOB:

SHEET

S102

E.O.C. Bldg.



1 ROOF FRAMING PLAN
SCALE 1' = 1/8"

S102



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PARAPET
ROOF
PLAN

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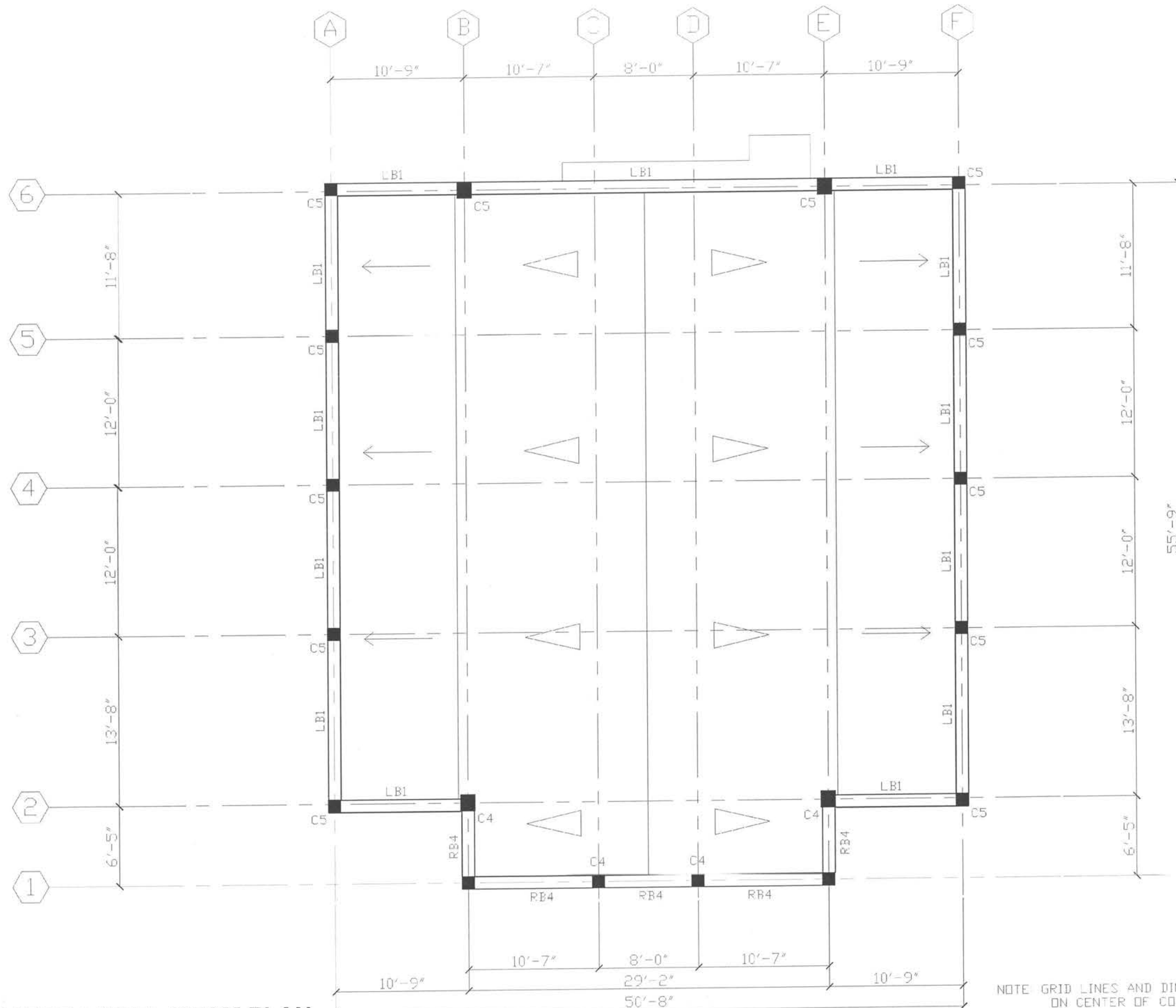
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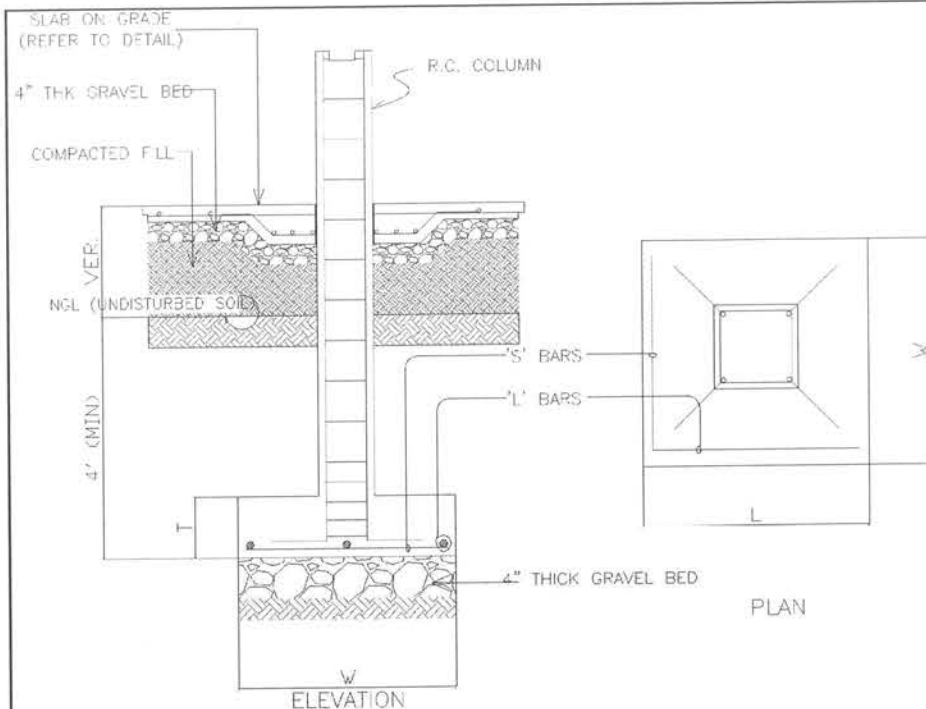
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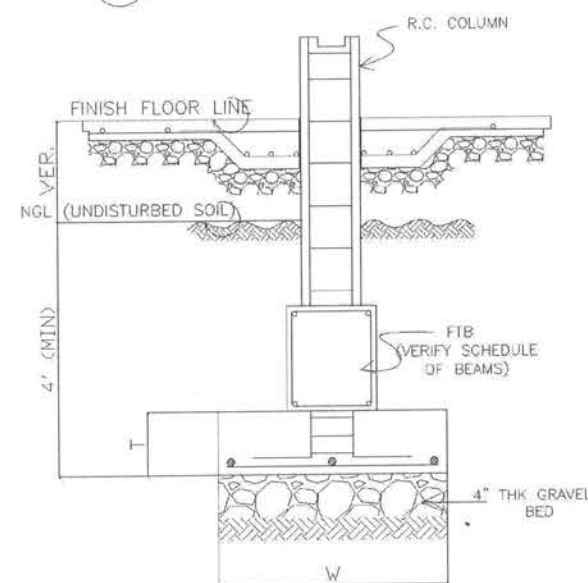
E.O.C. Bldg.



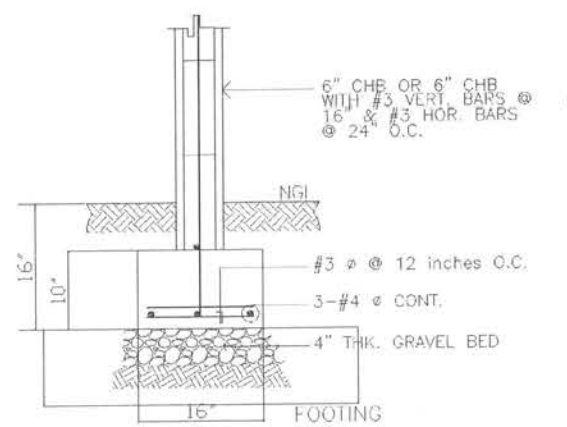
1 PARAPET LINTEL BEAM PLAN
S103 SCALE 1' = 1/8"



1 TYPICAL FOOTING DETAIL
S104



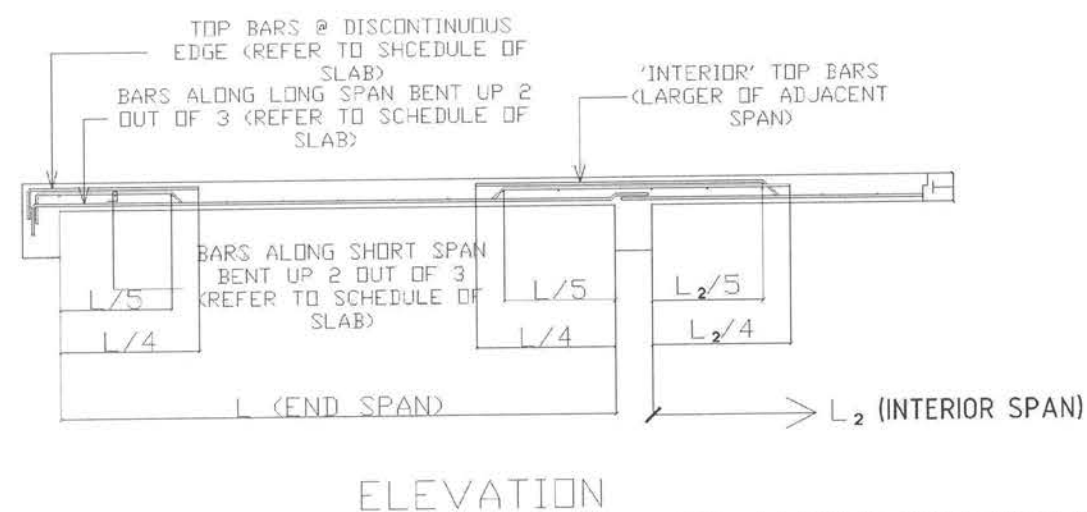
2 TYPICAL FOOTING TIE BEAM DETAIL
S104



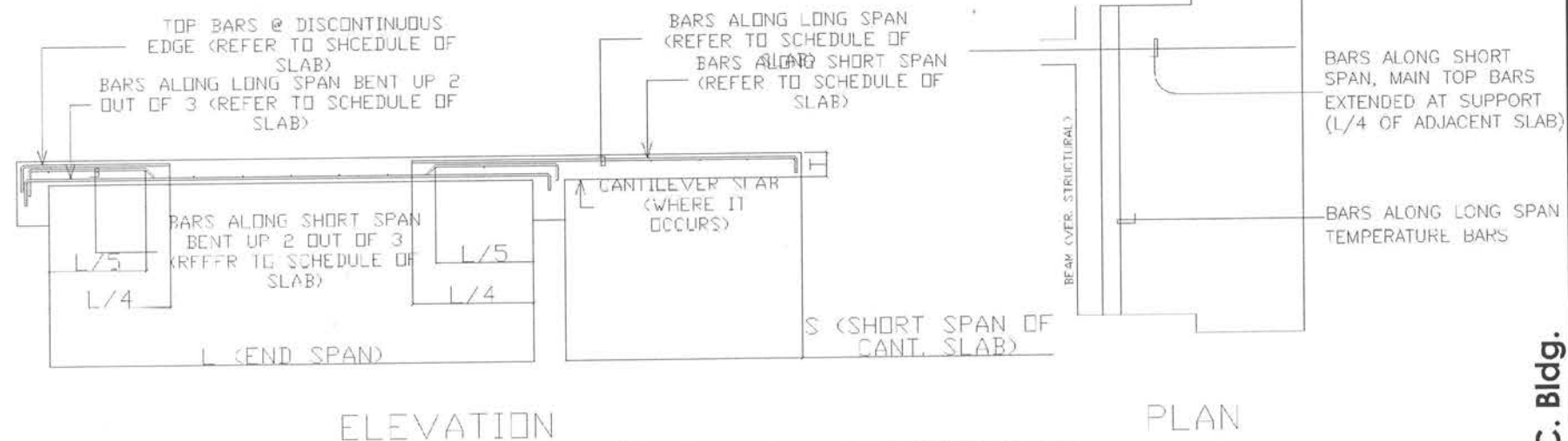
3 WALL FOOTING (WF-I) DETAIL
S104

SCHEDULE OF SLABS

SLAB MARK	t (in.)	Bars along Short Span (sq.in.)	Bars along Long Span (sq.in.)	REMARKS
S1	4"	#3 @ 10" MAIN BARS	#3 @ 12" TEMP BARS	1-WAY
S2	5"	#4 @ 8" BENT UP 2 OF 3 W/ #4 @ 10" EXTRA TOP BAR @ DISCONTINUOUS EDGE	#4 @ 10" BENT UP 2 OF 3 W/ #4 @ 12" EXTRA TOP BAR @ DISCONTINUOUS EDGE	2-WAY



4 TYPICAL TWO WAY SLAB REINFORCEMENT DETAIL
S104



5 TYPICAL CANTILEVER SLAB REINFORCEMENT DETAIL
S104



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Proposed F.S.M./Office of Environment and Emergency Management Bldg.
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SCHEDULES
DETAILS

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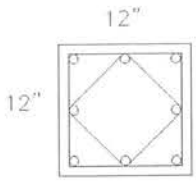
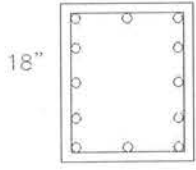
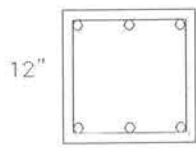
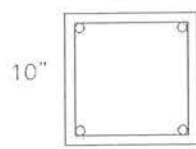
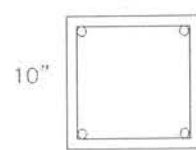
JOB:

SHEET

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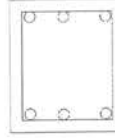
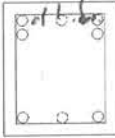
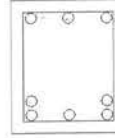
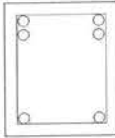
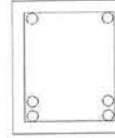
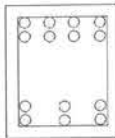
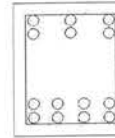
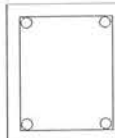
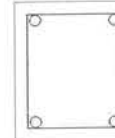
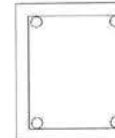
E.O.C. Bldg.

SCHEDULE OF COLUMNS

COLUMN MARK	FOOTING TO ROOF
C1	 8 - #5 VERTICAL BARS WITH #3 TIES 1 @ 2", 2 @ 4", REST @ 8"
C2	 12 - #5 VERTICAL BARS WITH #3 TIES 1 @ 2", 2 @ 4", REST @ 8"
C3	 6 - #5 VERTICAL BARS WITH #3 TIES 1 @ 2", 2 @ 4", REST @ 8"
C4	 4 - #5 VERTICAL BARS WITH #3 TIES 1 @ 2", 2 @ 4", REST @ 8"
C5	 4 - #5 VERTICAL BARS WITH #3 TIES 1 @ 2", 2 @ 4", REST @ 6"

NOTE: $F_c' = 4,000\text{psi}$
Compaction requirement @ base/subbase course is 95% compaction density.

SCHEDULE OF BEAMS

BFAM MARK	B X H in x in.	Bars at Support		Bars at Midspan		#3 dia. Ties/Stirrups Spacing	BAR ARRANGEM'T	
		Top	Bottom	Top	Bottom		SUPPORT	MIDSPAN
GB-1	12" X 12"	3-#5	3-#5			1 @ 2" 2 @ 4" Rest @ 8"		
RB-1	12" X 14"	5-#5	3-#5	3-#5	5-#5	1 @ 2" 2 @ 4" Rest @ 8"		
RB-2	12" X 12"	4-#5	2-#5	2-#5	4-#5	1 @ 2" 2 @ 4" Rest @ 8"		
RB-3	12" X 22"	8-#5	6-#5	6-#5	8-#5	1 @ 2" 2 @ 4" Rest @ 8"		
RB-4	10" X 10"	2-#5	2-#5			1 @ 2" 2 @ 4" Rest @ 8"		
LB-1	8" X 10"	2-#4	2-#4			1 @ 2" 2 @ 4" Rest @ 8"		

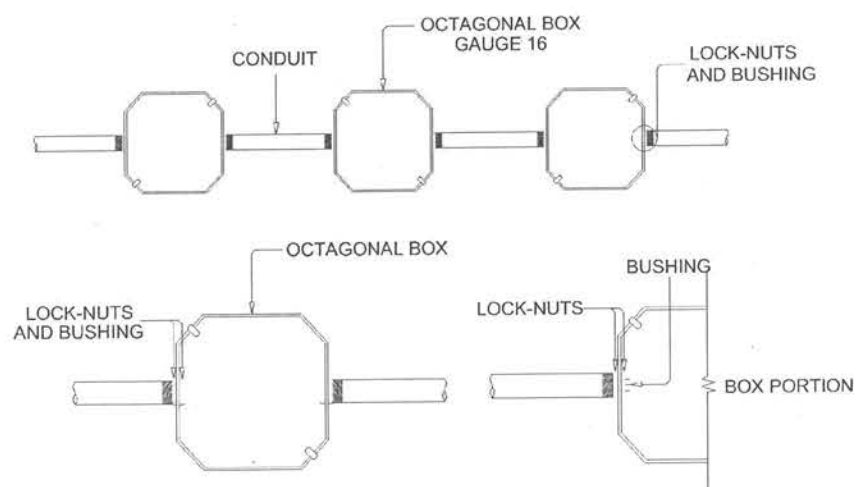
SCHEDULE OF FOOTINGS

FOOTING MARK	L	W	T	'S' BARS	'L' BARS	REMARKS
F1	3'-0"	3'-0"	12"	6 - #5	6 - #5	SQUARE
F2	4'-2"	4'-2"	1'8"	12 - #5	12 - #5	SQUARE
F3	2'-6"	2'-6"	12"	5 - #5	5 - #5	SQUARE

1 GENERAL NOTES & SPECIFICATIONS
EE-1

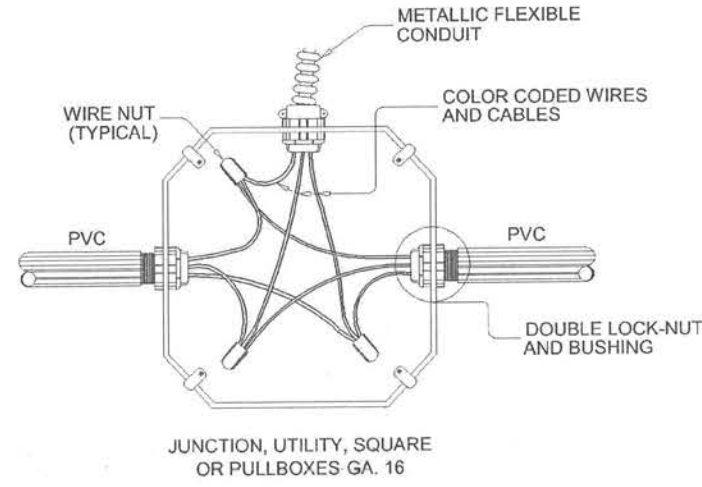
1. ALL ELECTRICIAN WORKS SHALL BE DONE ACCORDING TO THE APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE (NEC) 1993, RULES & REGULATIONS OF THE DEPARTMENT OF PUBLIC WORKS, LOCAL POWER AUTHORITY, & TELEPHONE AUTHORITY.
2. ALL EQUIPMENT & MATERIALS SHALL BE IN U.L. LISTED WHERE LISTING IS AVAILABLE FOR THAT TYPE OF EQUIPMENT OR CONFORMS TO ANSI OR NEMA STANDARDS.
3. WORKMANSHIP SHALL CONFORM TO CONSTRUCTION PRACTICES RECOMMENDED BY THE AMERICAN ELECTRICIANS HANDBOOK BY CROFT (LATEST EDITION) & SHALL BE SUBJECTED TO THE APPROVAL OF THE AGENCY WHO HAS THE JURISDICTION & THE ENGINEER.
4. ANY DEVICE MAY RELOCATED WITHIN TEN FEET OF THE LOCATION SHOWN ON THE DRAWING PRIOR TO INSTALLATION AT THE DIRECTION OF THE ENGINEER & AT NO ADDITIONAL COST TO THE OWNER.
5. METALLIC ENCLOSURES, RACEWAYS & ELECTRICAL EQUIPMENT SHALL BE GROUNDED ACCORDING TO THE REQUIREMENTS OF NEC ARTICLE 250, PROVIDE GROUND WIRE IN EVERY RACEWAYS. SIZE ACCORDING TO NEC TABLE 250-95. OBTAIN & PAY FOR PERMITS & ARRANGE & PAY FOR CONSTRUCTION UTILITIES.
6. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR EQUIPMENT REQUIREMENTS & PROVIDE ALL WIRING & PROTECTION EQUIPMENT REQUIRED.
7. CONDUIT SHALL BE EMT (DRY LOCATIONS CONCEALED ABOVE GRADE), PVC ENCASED IN CONCRETE & BELOW GRADE, ALUMINUM (EXPOSED INSTALLATION) FLEXIBLE CONDUIT SHALL BE JACKETED TYPE & ACCORDING TO NEC ARTICLE 350.
8. WIRING SHALL BE NEC TYPE THWN, THHN, OR XHHW, 600 V. CONDUCTORS SHALL BE COPPER.
9. PANEL BOARD SHALL BE COMPLETE WITH BUS, ENCLOSURE & TRIM, COMPLETE OF MOLDED PLASTIC CASE CIRCUIT BREAKERS (BOLT ON TYPE), WITH RATINGS AS INDICATED & COMPLETE TYPE CIRCUIT DIRECTORY.
10. TEST. TEST IN THE PRESENCE OF ENGINEER RESULTS SUBMITTED FOR APPROVAL BY THE ENGINEER.
 - a. OPERATION TEST
 - b. INSULATION RESISTANCE TEST
 - c. GROUND RESISTANCE TEST
11. ANY DISCREPANCY IN LOCATIONS & RATINGS OF EQUIPMENT & APPARATUS SHALL BE VERIFIED WITH THE OWNER OR ANY OF HIS REPRESENTATIVES & CHANGES SHALL BE MADE ACCORDINGLY.
12. FOR EACH SPARE BRANCH CIRCUIT IN PANEL BOARD PROVIDE 3/4"Ø EMPTY CONDUIT TERMINATED TO 4" OCTAGONAL BOX ABOVE CEILING.
13. PROVIDE GA. 16 G.I. PULL WIRES IN ALL SPARE DUCT & EMPTY CONDUITS.

3 CONDUIT ON BOX INSTALLATION DETAIL
EE-1



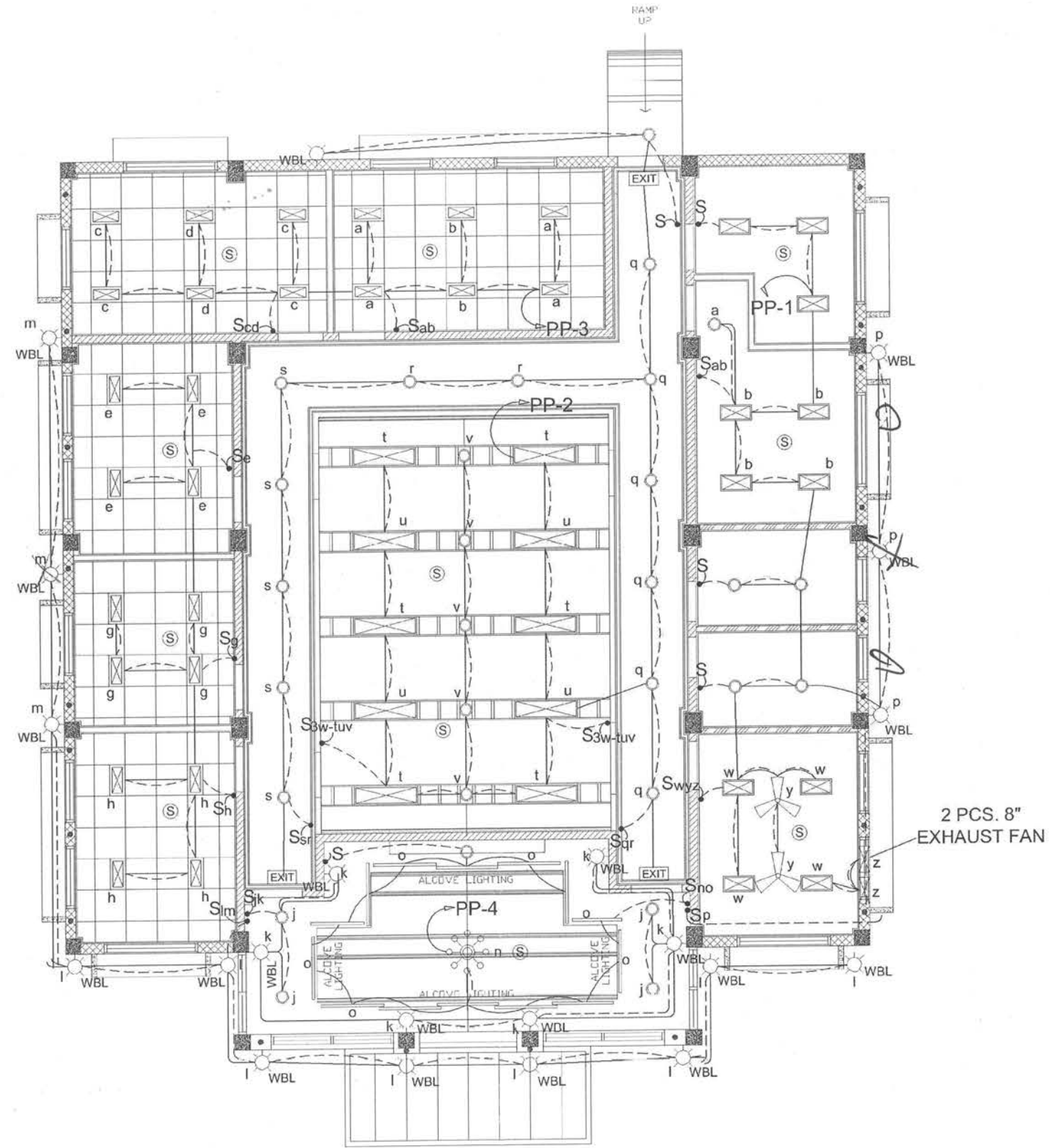
2 LEGEND & SYMBOLS
EE-1

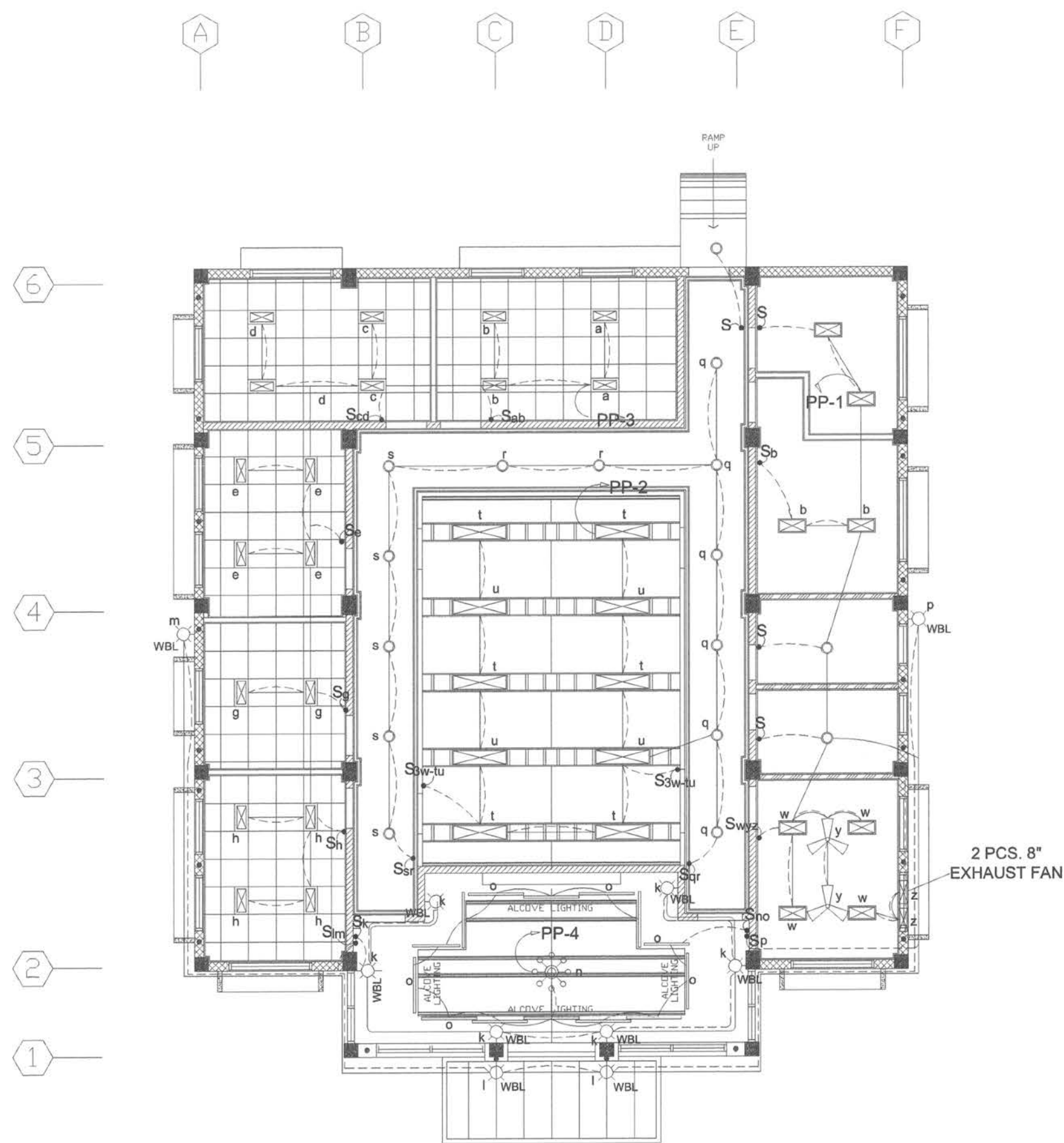
- | | | | |
|--|--|--|--|
| | 2PCS - 20 WATTS X 2FT LONG 110 volts FLOURESCENT LIGHT w/ HOUSING | | POWER PANELBOARD, SURFACE MOUNTED, 66" FLOOR TO TOP |
| | 2 x 40 WATTS X 4FT LONG 110 volts FLOURESCENT LIGHT w/ HOUSING | | PANELBOARD AIRCON, SURFACE MOUNTED, 66" FLOOR TO TOP |
| | COMPACT FLOURESCENT LIGHT 50WATTS (110 VOLTS) | | MAIN DISTRIBUTION PANEL, SURFACE MOUNTED, 66" FLOOR TO TOP |
| | WALL BRACKET LIGHT, 1 DESIGN FOR EXTERIOR, 1 DESIGN FOR INTERIOR, 2 BULBS FOR DOWNLIGHT AND UPLIGHT | | HOMERUN TO PANEL, DENOTES CIRCUIT NUMBER |
| | CHANDELIER (110 VOLTS) | | KILOWATT HOUR METER WITH DEMAND REGISTER, 66" AFF |
| | 8" EXHAUST FAN (110 VOLTS) | | SERVICE DROP BY UTILITY COMPANY |
| | FAN SWITCH (CEILING FAN CONTROLLER), 48" AFF | | LOW VOLTAGE CIRCUIT BREAKER |
| | DUPLEX RECEPTACLES, FLUSH MOUNTED IN WALLS, 18" AFF NATIONAL MODEL WEG15829, PLATE COVER MODEL WEG6803W-1 | | COPPER GROUND ROD 5/8"Ø x 10FT. |
| | TELEPHONE OUTLET, MODULAR JACK FLUSH MOUNTED WITH DEVICE PLATE, 18" AFF | | SMOKE DETECTOR-BATTERY OPERATED |
| | 3'-4" AFF GROUND FAULT INTERRUPTER DUPLEX RECEPTACLES, FLUSH MOUNTED IN WALLS NATIONAL MODEL WN1741-851, PLATE COVER MODEL WEG7903 | | GFI |
| | CABLE TV OUTLET, MODULAR JACK FLUSH MOUNTED WITH DEVICE PLATE, 18" AFF | | GB |
| | 3'-4" AFF REFRIGERATOR OUTLET FLUSH MOUNTED ON WALLS NATIONAL MODEL WEG15829, PLATE COVER MODEL WEG6803W-1 | | TPB |
| | 3'-4" AFF RANGE OUTLET FLUSH MOUNTED ON WALLS NATIONAL MODEL WEG15829, PLATE COVER MODEL WEG6803W-1 | | CT |
| | | | 150VA CEILING FAN |
| | | | ACCU MOTOR, MOUNTED ON CONCRETE PAD |
| | | | FAN COIL UNIT |
| | | | LIGHT SWITCH, 1-POLE, 1-GANG FLUSH MOUNTED, 48" AFF |
| | | | LIGHT SWITCH, 2-POLE ON TWO GANG, 48" AFF |
| | | | LIGHT SWITCH, 3-POLE ON THREE GANG, 48" AFF |



4 BOX CONNECTION DETAIL
EE-1

5 VICINITY MAP
EE-1





LIGHTING LAYOUT



**Proposed F.S.M./Office of Environment
and Emergency Management Bldg.**
Palikir, Pohnpei

CONTENTS

POWER AND AUX.
LAYOUT

Approved

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REVISION BY

DATE: Feb., 2011

SCALE: AS SHOWN

DRAWN:

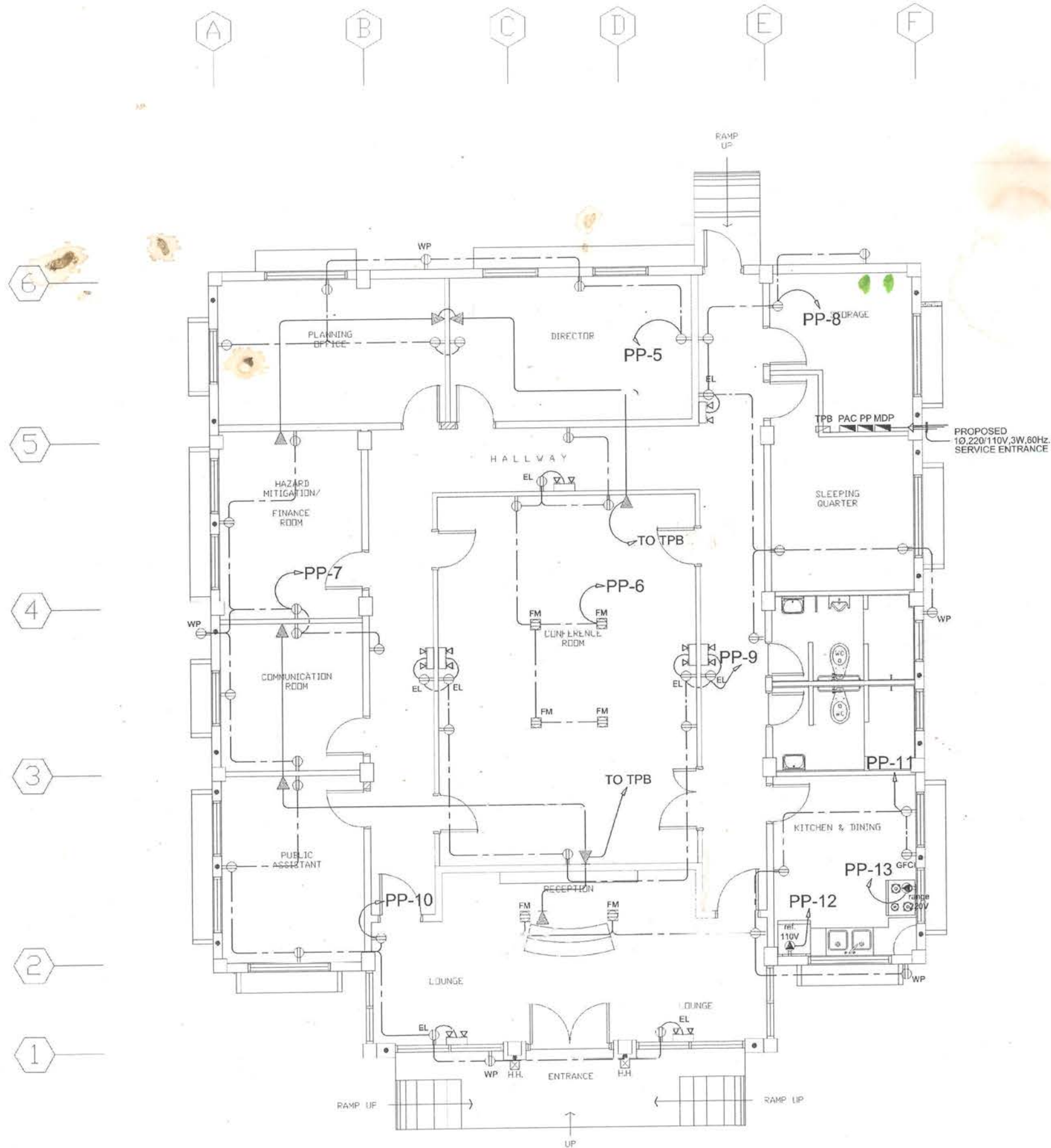
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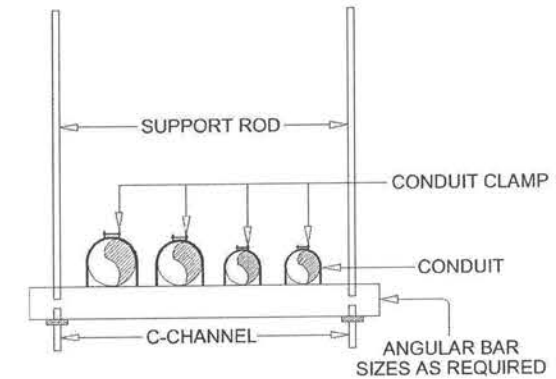
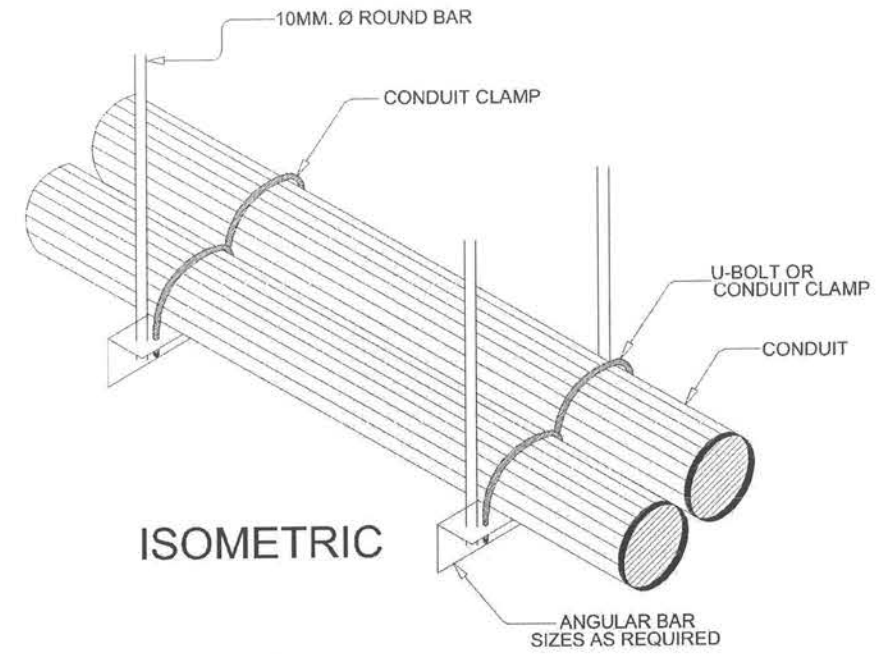
SHEET

EE-4

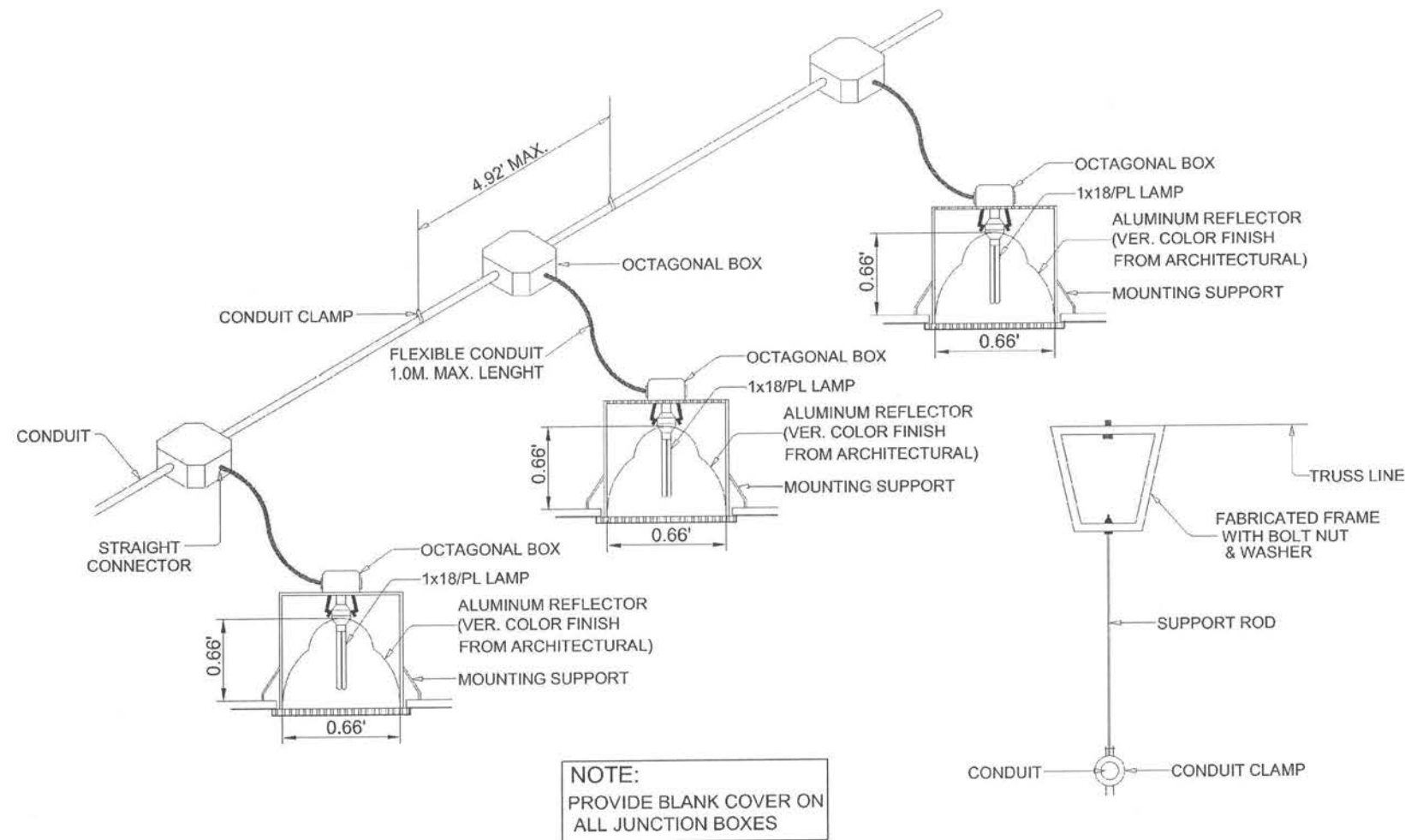
E.O.C. Bldg.

POWER & AUXILIARY





2 CONDUIT SUPPORT DETAIL
EE-7



**CONDUIT RUN FOR LIGHTING DISTRIBUTION IN ONE CIRCUIT
(FOR EXPOSED OR INSIDE DROP-CEILING INSTALLATION)**

1
EE-7

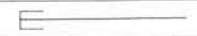
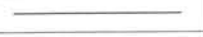
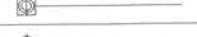
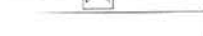
GENERAL NOTES

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE INTERNATIONAL PLUMBING CODE, THE UNIFORM BUILDING CODE, AND THE RULES AND REGULATION OF LOCAL GOVERNMENT AUTHORITIES CONCERNED.
- COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS, ANY RELOCATIONS REQUIRED FOR PROPER EXECUTIONS OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
- ALL SLOPES FOR HORIZONTAL DRAINAGES SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
- SIZES OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE AND COORDINATES THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
- ALL PIPES SIZES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATIONS

DRAINAGE LINES	ALL INSIDE DRAINAGE LINES SHOULD BE "EMERALD"
	PIPE SERIES 1000, CLASS 35 OR APPROVED EQUAL
DRAINAGE LINES	ALL OUTSIDE DRAINAGE LINES SHALL BE CONCRETE DRAINAGE PIPE (CDP) FROM 150mmØ TO 250mmØ, AND FROM 300mmØ AND LARGER SHALL BE REINFORCED CONCRETE PIPE (RCP).
SEWER & VENT	POLY VINYL CHLORIDE (PVC) PIPE SERIES 1000, AND CLASS 35 SIMILAR TO EMERALD BRAND OR APPROVED EQUAL.
COLD WATER LINE	POLYPROPYLENE PIPE PN-10 SIMILAR TO EUROVEK "PLASTERM" OR EQUAL
HOT WATER LINE	POLYPROPYLENE PIPE PN-20 SIMILAR TO EUROVEK "PLASTERM" OR EQUAL
VALVES	RATED AT MINIMUM PRESSURE CAPACITY OF 150 PSI SIMILAR TO KITZ OR EQUAL.
FLOOR DRAINS	MANUFACTURED BY "METMA" BRAND OR APPROVED EQUAL.
AIRCON DRAINS	"EMERALD PIPE W/ 25mmØ THK. FIBER GLASS INSULATION.
TRANSFER/	UL/FM APPROVED SIMILAR TO GOULD'S PUMP OR EQUAL.
HYDOPNEUMATIC PUMP	
GAS LINE	B.I. PIPE SCHED.#40 SIMILAR APO OR SUPREME

LEGEND AND SYMBOLS

	SP / WP	SOIL / WASTE PIPE		WATER LINE WITH PLUG
	VP / VAC	VENT PIPE / VENT PIPE ABOVE CEILING		GV / HB
	DP	DRAIN PIPE		GV / WM
	CWL / CWLAC	COLD WATER LINE / ABOVE CEILING		GCO
	HWL / HWLAC	HOT WATER LINE / ABOVE CEILING		FCO
	GV	GATE VALVE		CCO
	CV	CHECK VALVE		CDP/RCP
	GV/VB	GATE VALE W/ VALVE BOX		

VICINITY MAP

DRAINAGE PIPE DIAMETER SCHEDULE

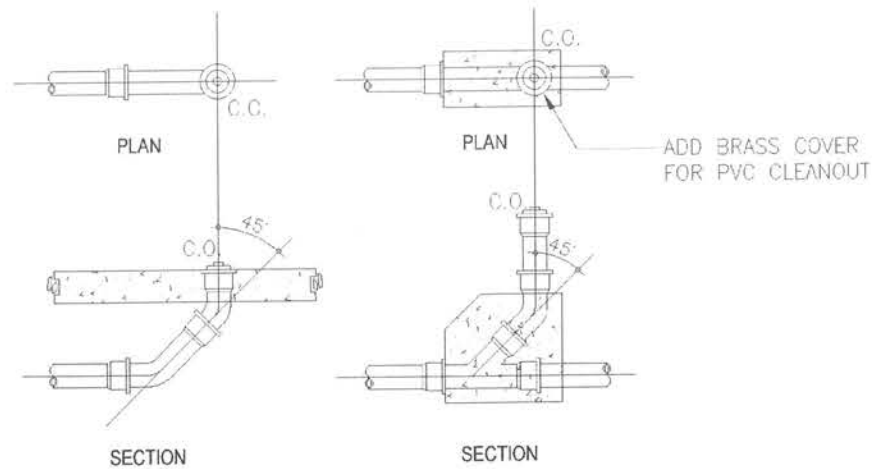
NO.	DESCRIPTION	MATERIALS	Ø MM	Ø IN
1	OUTSIDE DRAINAGE LINE	RCDP	375	1'2"
2	OUTSIDE DRAINAGE LINE	RCDP	300	1'
3	OUTSIDE DRAINAGE LINE	CDP	250	10"
4	OUTSIDE DRAINAGE LINE	CDP	200	8"
5	OUTSIDE DRAINAGE LINE	CDP	150	6"
6	INSIDE DRAINAGE LINE	PVC PIPE	200	8"
7	INSIDE DRAINAGE LINE	PVC PIPE	150	6"
8	INSIDE DRAINAGE LINE	PVC PIPE	100	4"
9	INSIDE DRAINAGE LINE	PVC PIPE	75	3"

SEWER/WASTE AND VENT PIPE DIAMETER SCHEDULE

NO.	DESCRIPTION	MATERIALS	Ø MM	Ø IN
1	SEWER AND WASTE/DRAIN LINE	PVC PIPE	200	8"
2	SEWER AND WASTE/DRAIN LINE	PVC PIPE	150	6"
3	SEWER AND WASTE/DRAIN LINE	PVC PIPE	100	4"
4	WASTE/DRAIN AND VENT LINE	PVC PIPE	75	3"
5	WASTE/DRAIN AND VENT LINE	PVC PIPE	50	2"

HOT AND COLD PIPE DIAMETER SCHEDULE

NO.	DESCRIPTION	MATERIALS	Ø MM	Ø IN
1	COLD WATER LINE	PPR PIPE PN-20	40	1 1/2
2	COLD WATER LINE	PPR PIPE PN-20	32	1 1/4"
3	COLD WATER LINE	PPR PIPE PN-20/10	25	1"
4	HOT AND COLD WATER LINE	PPR PIPE PN-20/10	20	3/4"
5	HOT AND COLD WATER LINE	PPR PIPE PN-20/10	13	1/2"

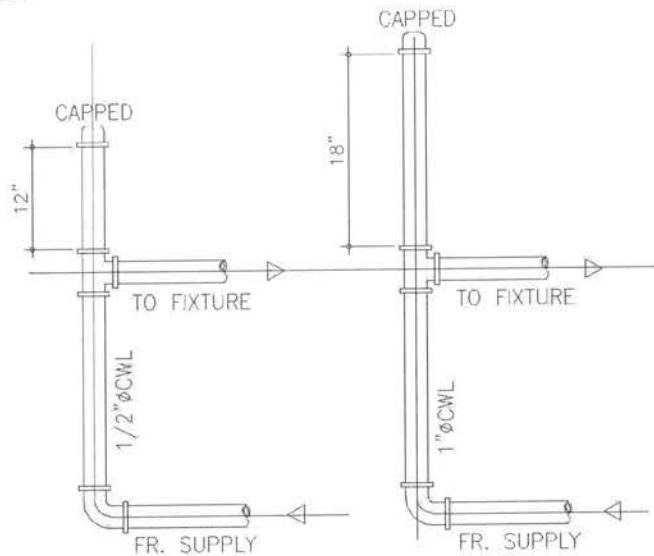


1
P100

FLOOR CLEAN-OUT DETAIL

SCALE

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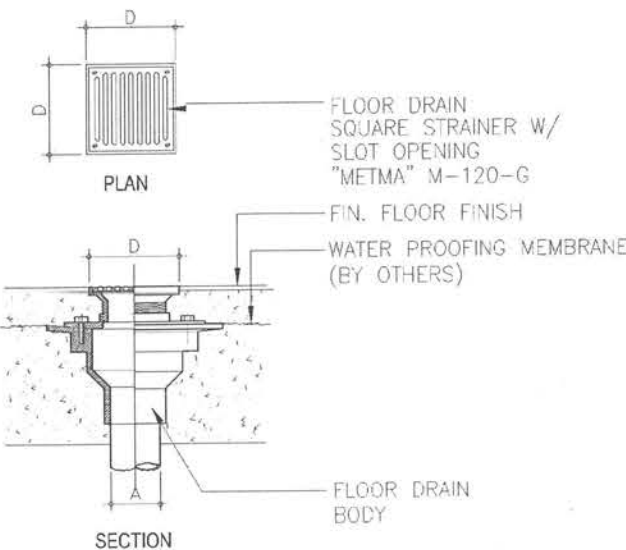


2
P100

AIR CHAMBER DETAIL

SCALE

NOT SCALE:



3
P100

FLOOR DRAIN DETAIL

SCALE

NOT SCALE:



Proposed F.S.M./Office of Environment
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Palikir, Pohnpei

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GEN. NOTES

Approved

Approved

REVISION

BY

DATE: Feb., 2011

SCALE: AS SHOWN

DRAWN:

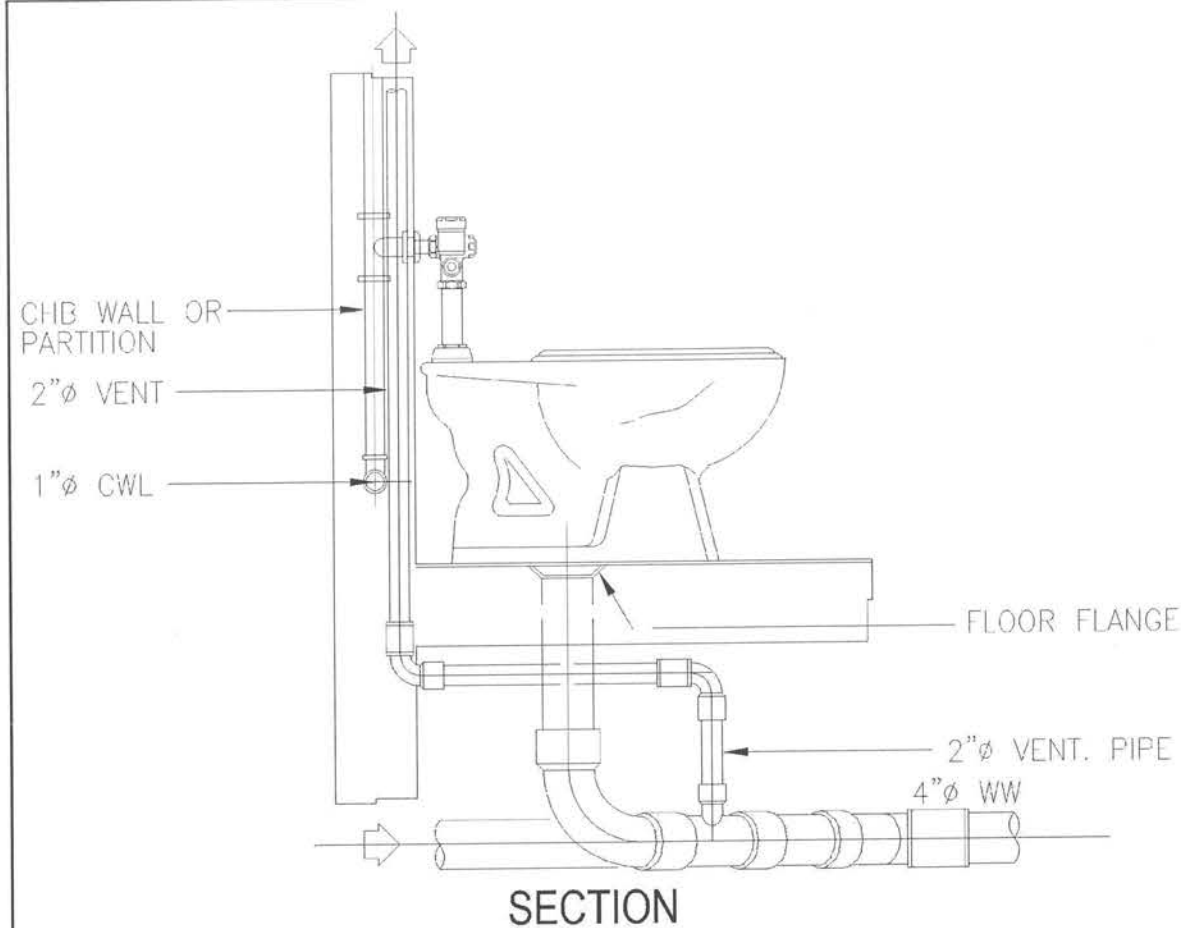
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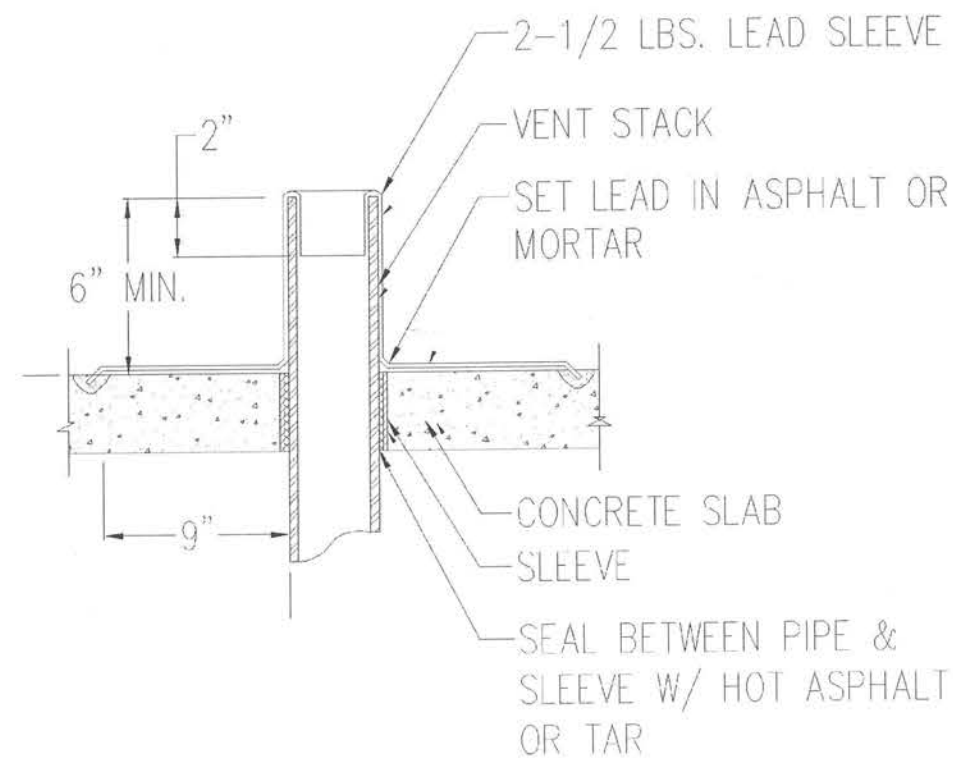
P-100

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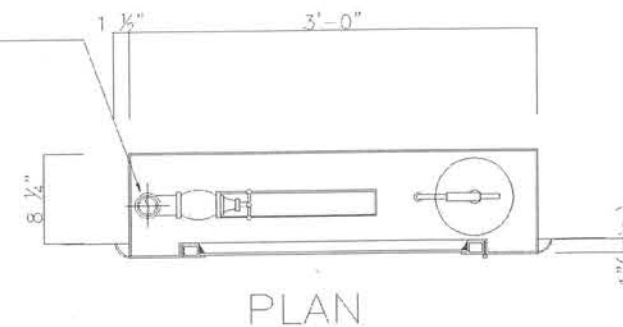
1 TOILET BOWL SECTION W/ FLUSH VALVE
P105 SCALE NTS



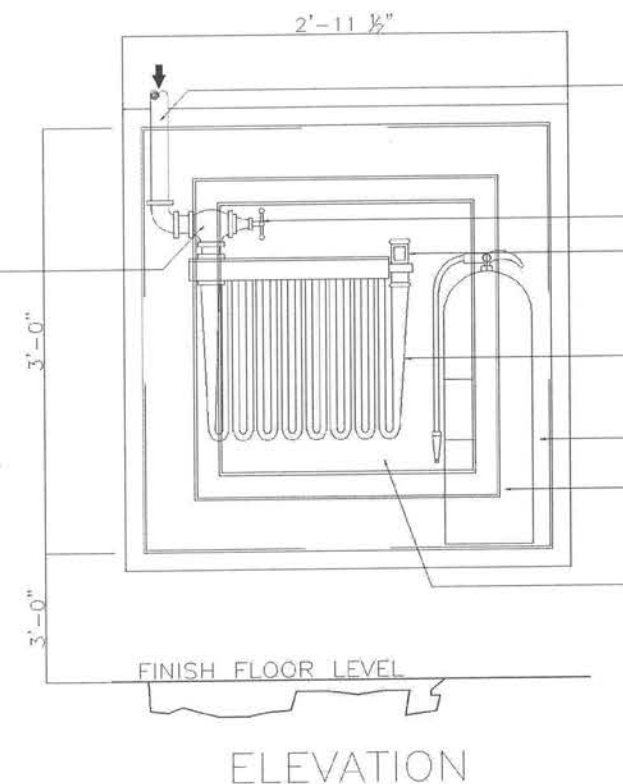
2 VSTR SECTION
P105 SCALE NTS

VARIES SIZES OF HAND-HOSE CONNECTION LINE:

SCHEDULE:
25Ø : 6MTS. & BELOW
32Ø : 7MTS. & ABOVE
40Ø : 25MTS. & ABOVE



1 1/2\"/>



VARIES SIZES OF HAND-HOSE CONNECTION LINE:

SCHEDULE:
1\"/>

1 1/2\"/>

3 FIRE HOSE CABINET
P105 SCALE NTS

**Proposed F.S.M./Office of Environment
and Emergency Management Bldg.**
Palikir, Pohnpei

POLYMER LETTERS

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STORM DRAINAGE LAYOUT

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REVISION	BY
----------	----

DATE: Feb., 2011

SCALE: AS SHOWN

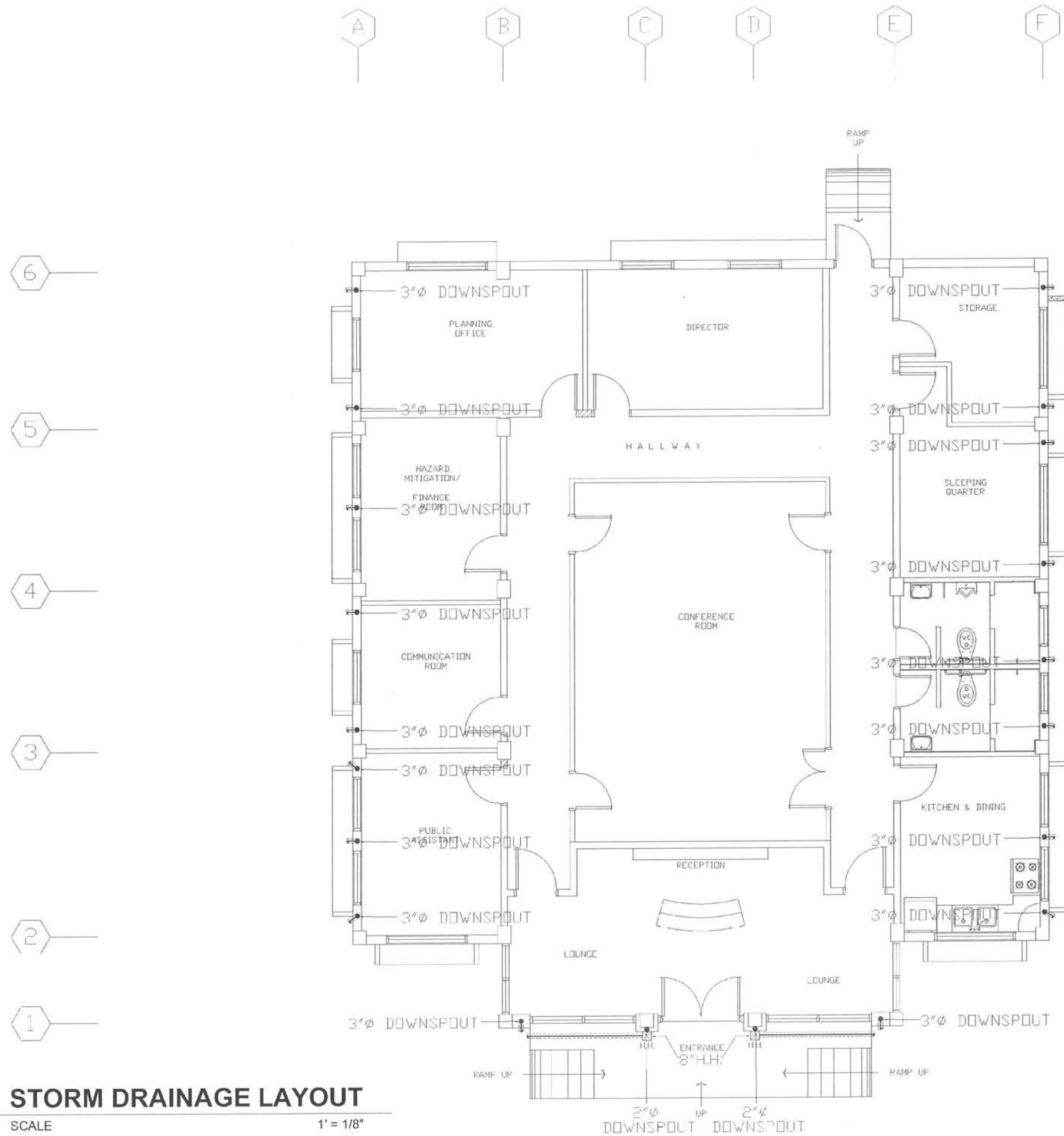
DRAWN: _____

JOB:

SHEET

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P-106



1 STORM DRAINAGE LAYOUT

P106 SCALE 1' = 1/8"



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Palikir, Pohnpei

Palikir, Pohnpei

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ISOMETRIC
STORM DRAINAGE
LAYOUT

Approved

Approved

REVISION

DATE: Feb., 2011

SCALE: AS SHOWN

SCALE: AS S

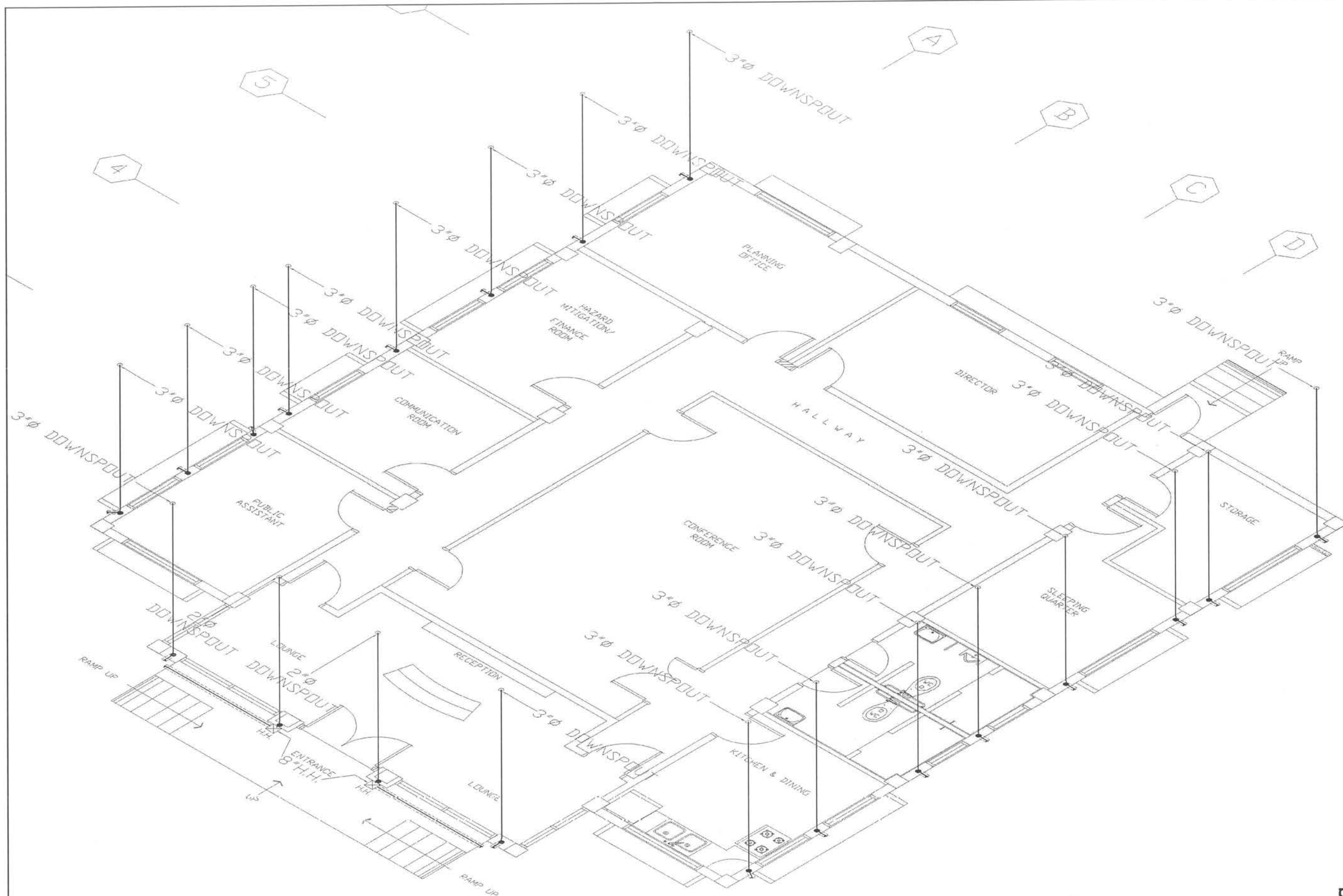
DRAWN:

JOB:

SHEET

P-107

E.O.C. Bldg.



ISOMETRIC STORM DRAINAGE LAYOUT

SCALE

NTS

1
P107

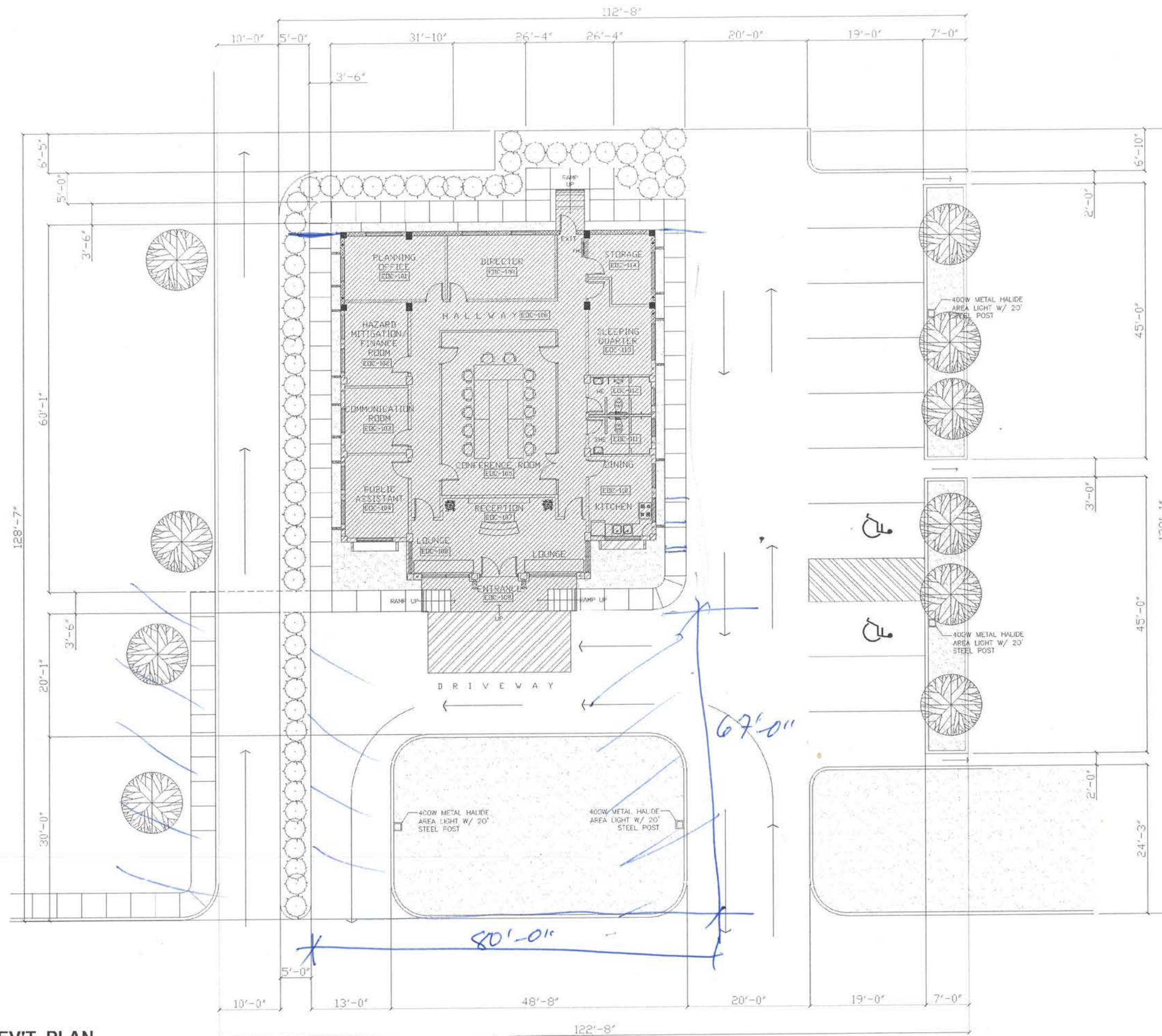


Palikir, Pohnpei

SHEET

C100







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CONCERN



**Proposed F.S.M./Office of Environment
and Emergency Management Bldg.**

Only Medicine

CONTENTS

GRADING/
SITE DRAINAGE

Approved

Approved

REVISION

DATE: Feb., 2011

SCALE: AS SHOWN

SCALE: AS SHOWN

DRAWN:

i	DRAWN:
	100:

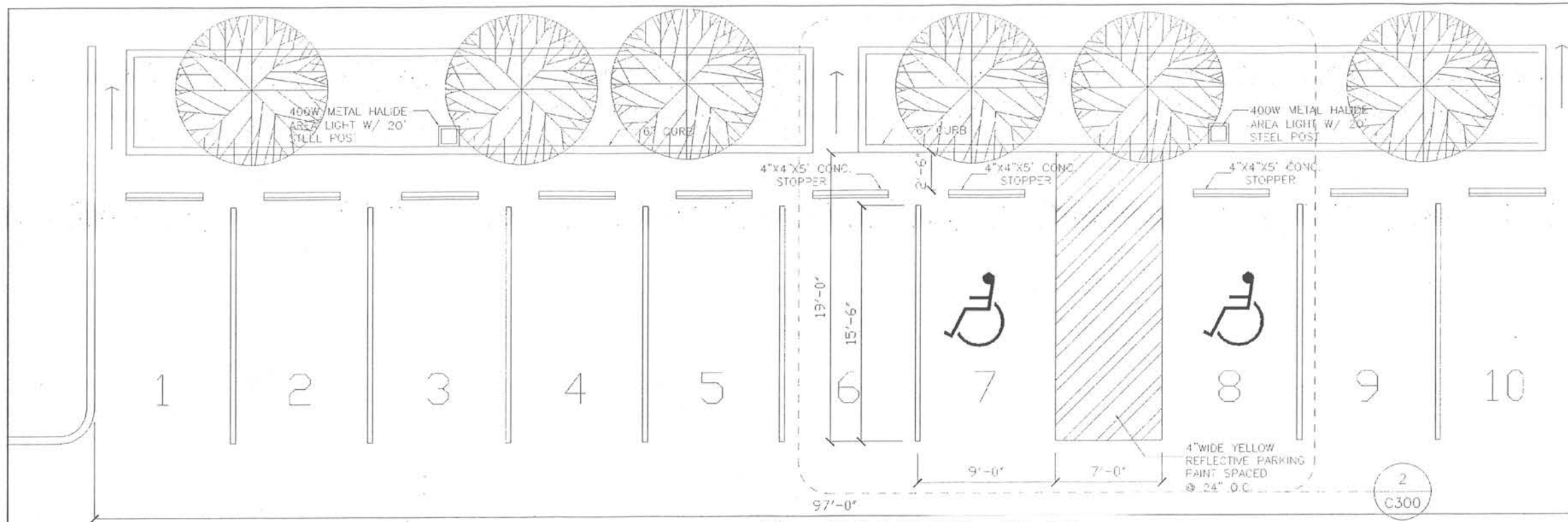
JOB:

C200

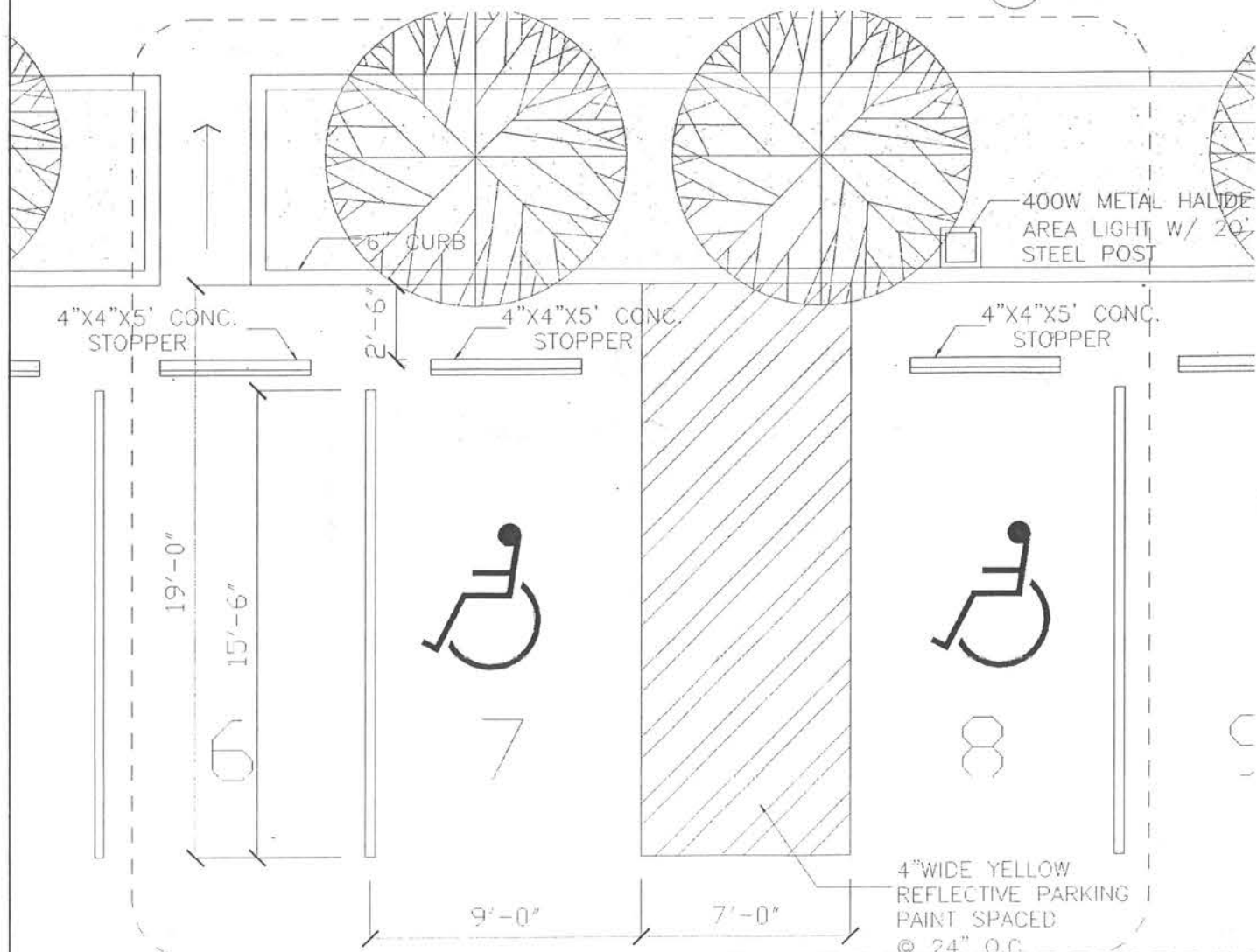
E.O.C. Bldg.



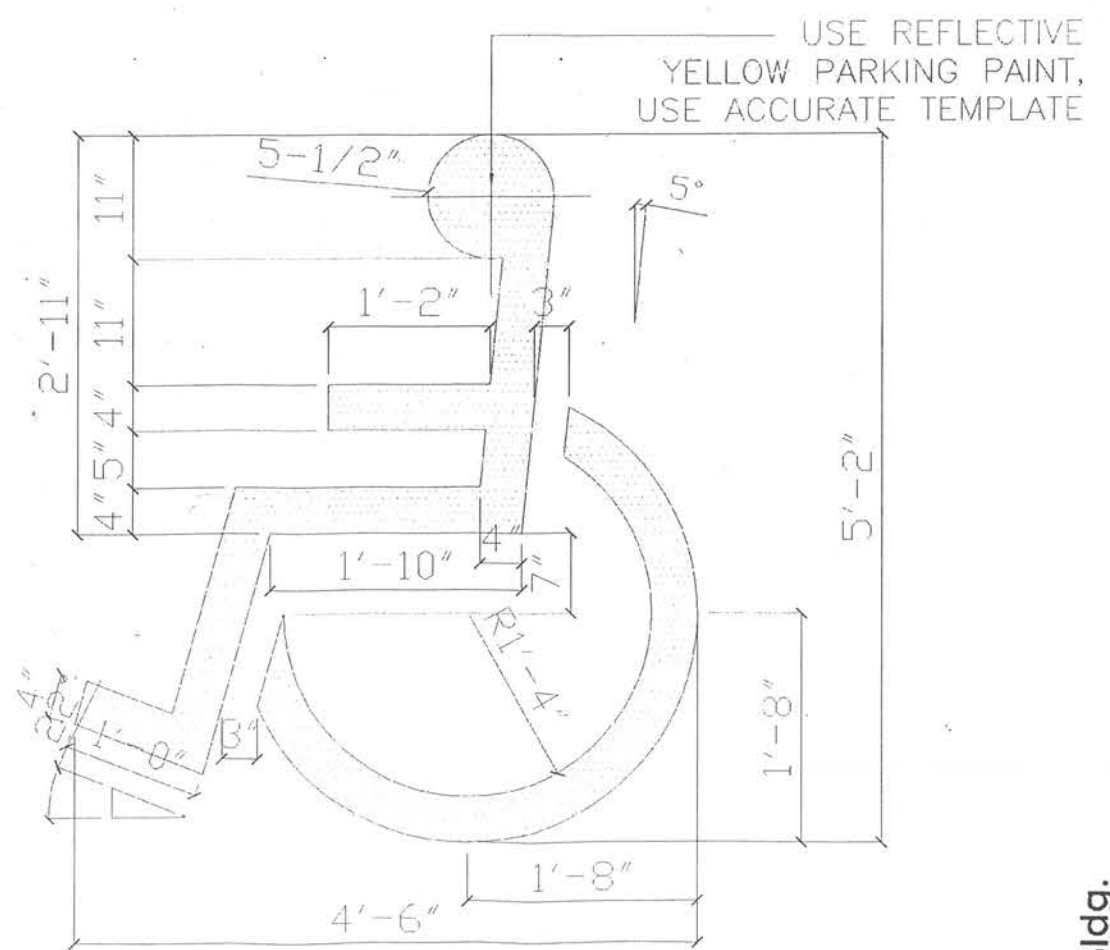
NOTE: USE EXISTING ROAD AS FINISHED FLOOR REFERENCE.
BUILDING F.F.00ELEV. IS 12" ABOVE ROAD FINISH ELEVATION.



1
C300 SCALE 1' = 1/8"



2
C300 SCALE 1' = 3/16"

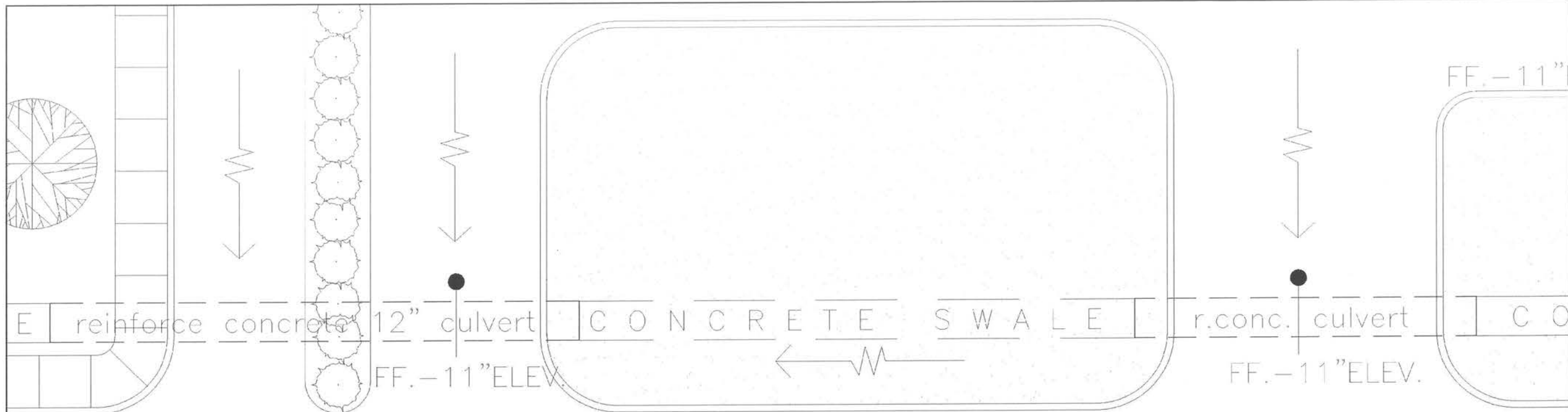


3
C300 SCALE 1' = 3/4"

**Proposed F.S.M./Office of Environment
and Emergency Management Bldg.**
Palikir, Pohnpei

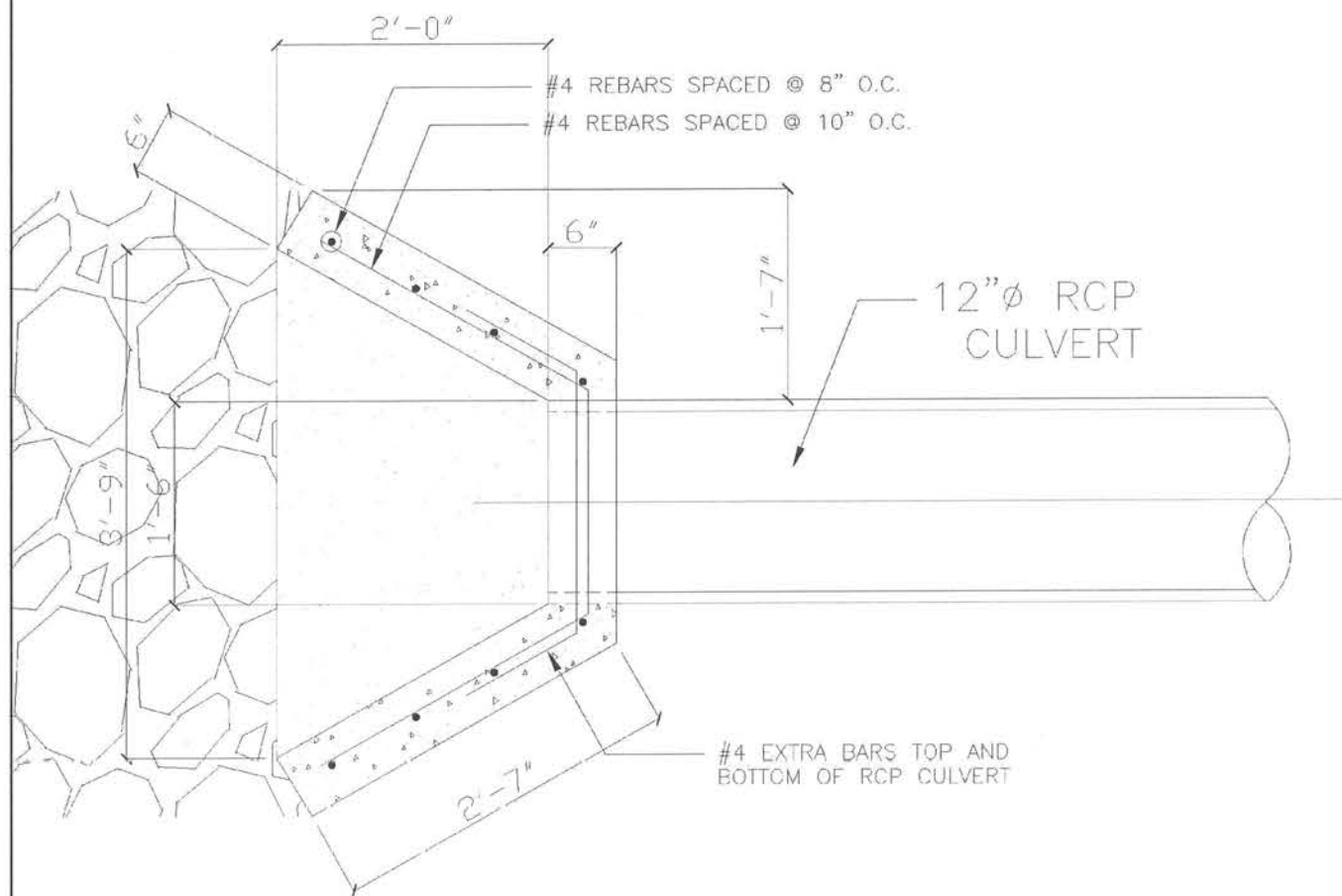
CONTENTS	
GRADING/ SITE DRAINAGE	
Approved	
Approved	
REVISION	BY
DATE: Feb., 2011	
SCALE: AS SHOWN	
DRAWN:	
JOB:	
SHEET	
C300	

E.O.C. Bldg.



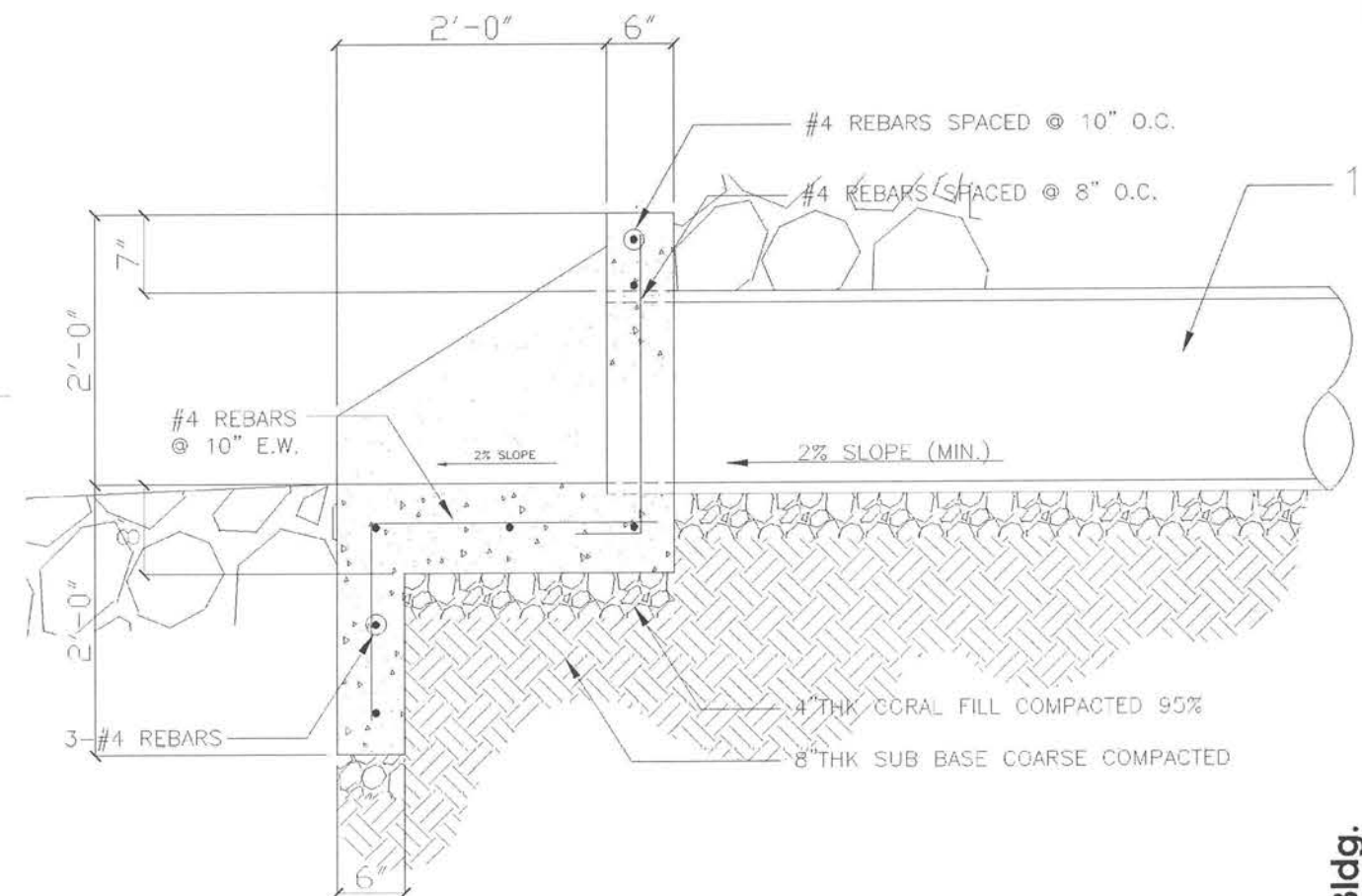
1
C301 SCALE 1' = 1/8"

PLAN OF SITE ENTRANCE



2
C301 SCALE 1' = 3/4"

DETAIL OF HEADWALL (PLAN)



3
C301 SCALE 1' = 3/4"

SECTION OF HEADWALL



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ARCHITECTS
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Kolonja, Pohnpei
FSM 96941
Tel: (691) 320-2966
email add:
archr.roque@yahoo.com
ral.roque@yahoo.com
CONSULTANT



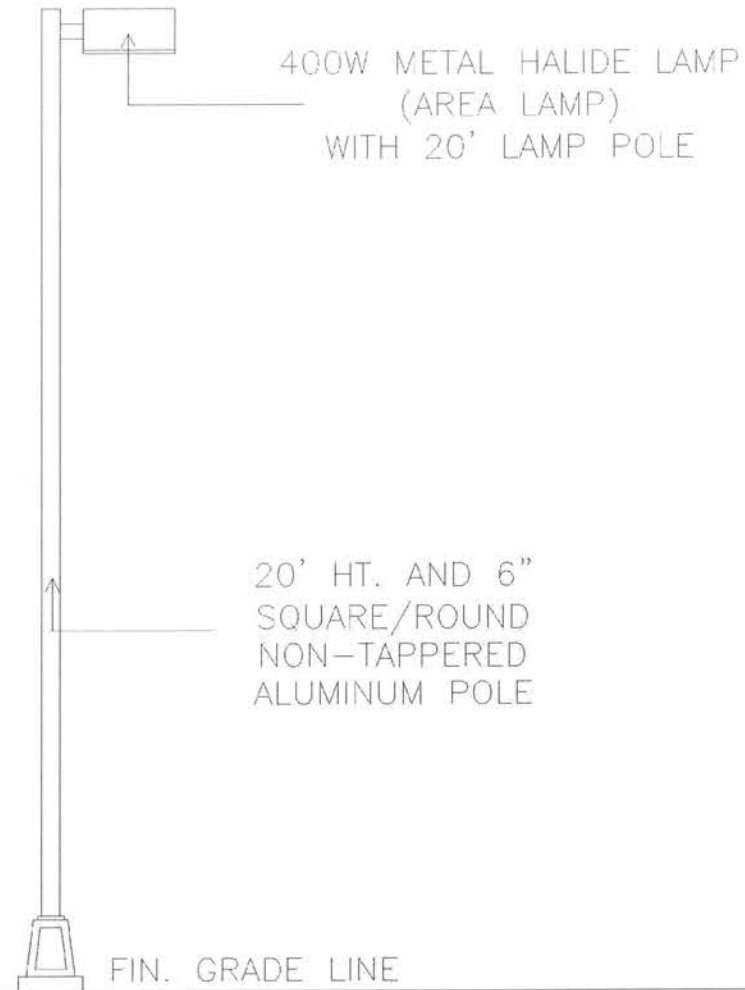
RYAN SALAS ROQUE
P.E. License No. 112113
REGISTERED ARCHITECT

Proposed F.S.M./Office of Environment and Emergency Management Bldg.
Palikir, Pohnpei

CONTENTS	
DETAILS	
Approved _____	
Approved _____	
REVISION	BY
DATE: Feb., 2011	
SCALE: AS SHOWN	
DRAWN: _____	
JOB: _____	
SHEET	

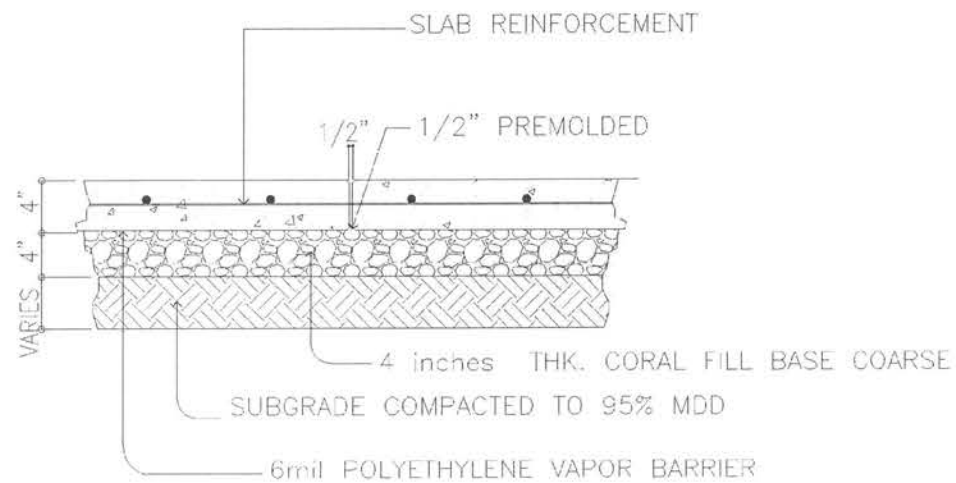
C301

E.O.C. Bldg.



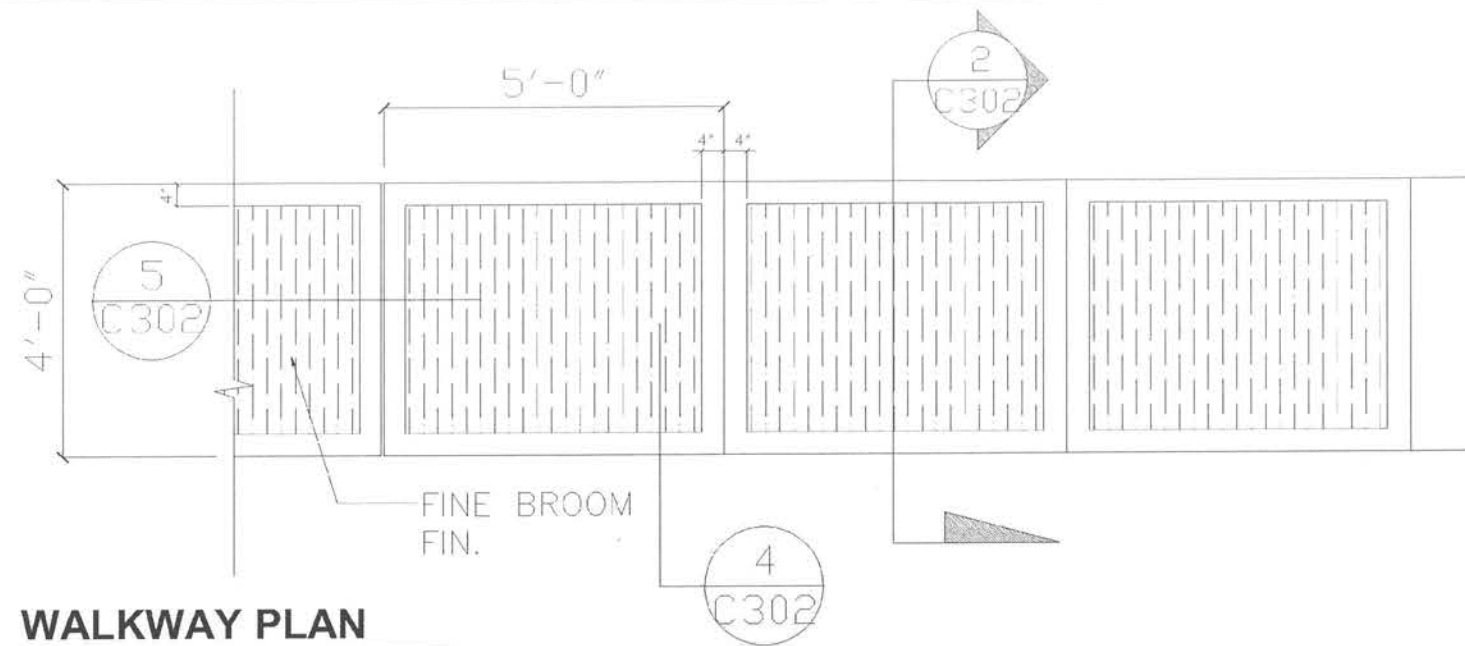
3
C200 SCALE 1' = 1/4"

ELEVATION OF PARKING POST



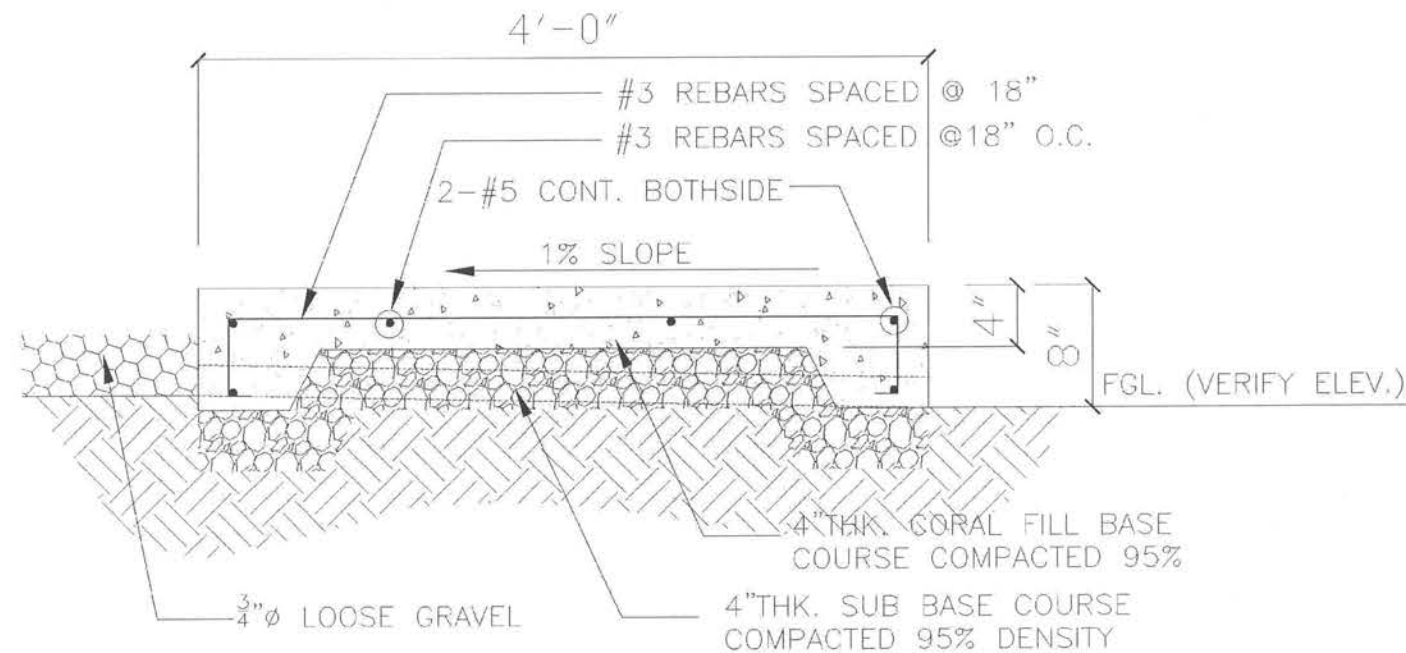
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C302 SCALE 1' = 1/4"

EXPANSION JOINT DETAIL



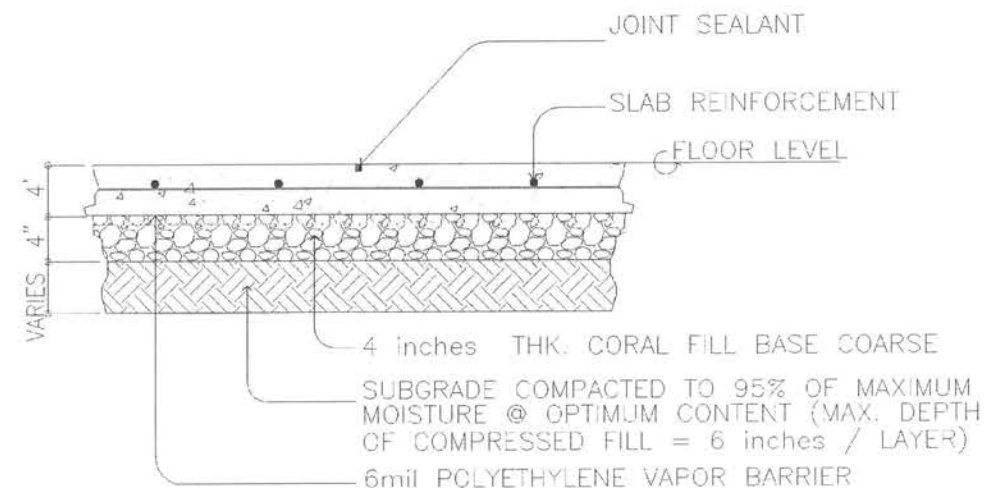
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C302 SCALE 1' = 3/8"

WALKWAY PLAN



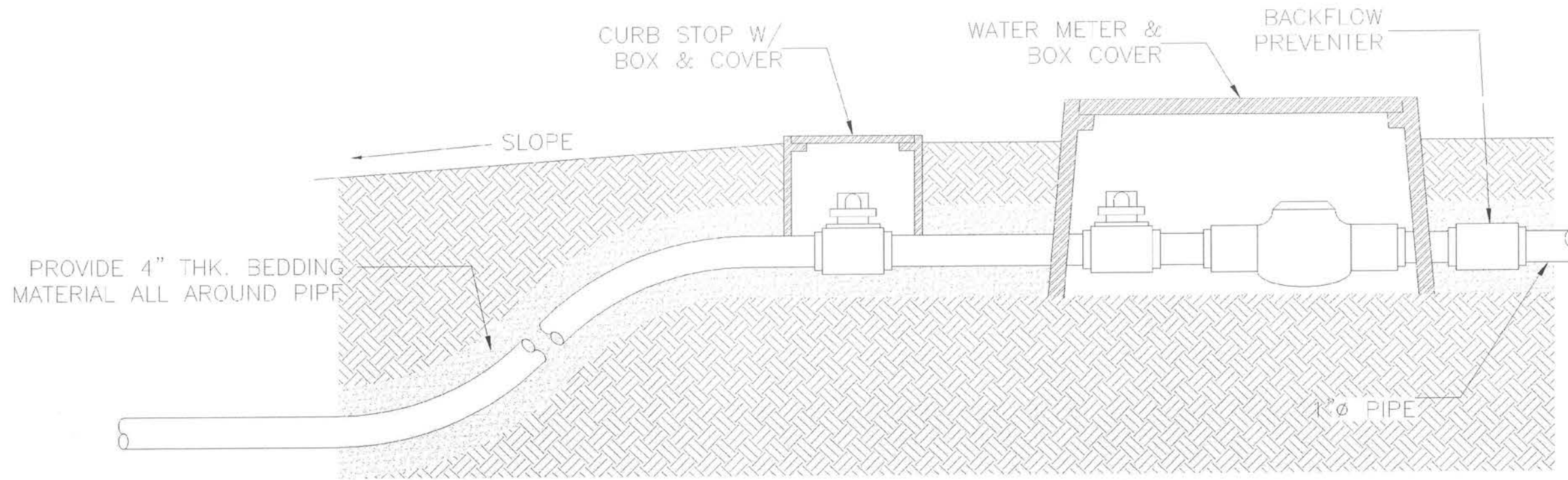
2
C-5 SCALE 1' = 1"

DETAIL OF WALKWAY (SECTION)

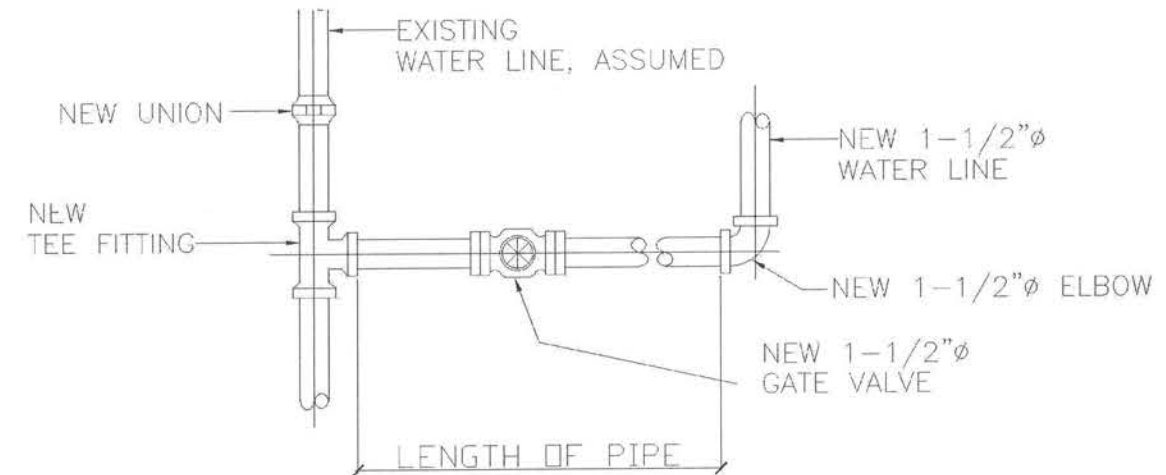


5
C302 SCALE 1' = 1/4"

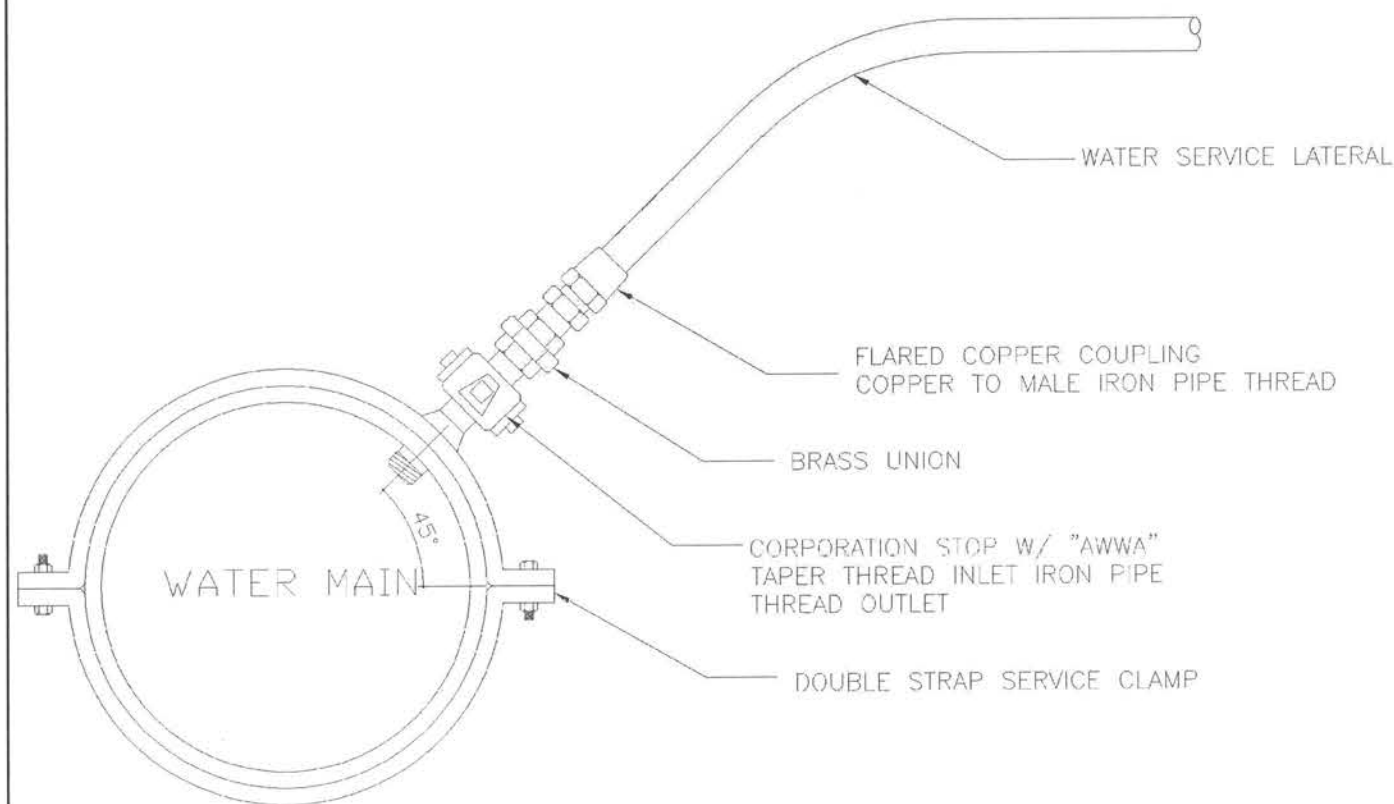
CONTRACTION JOINT DETAIL



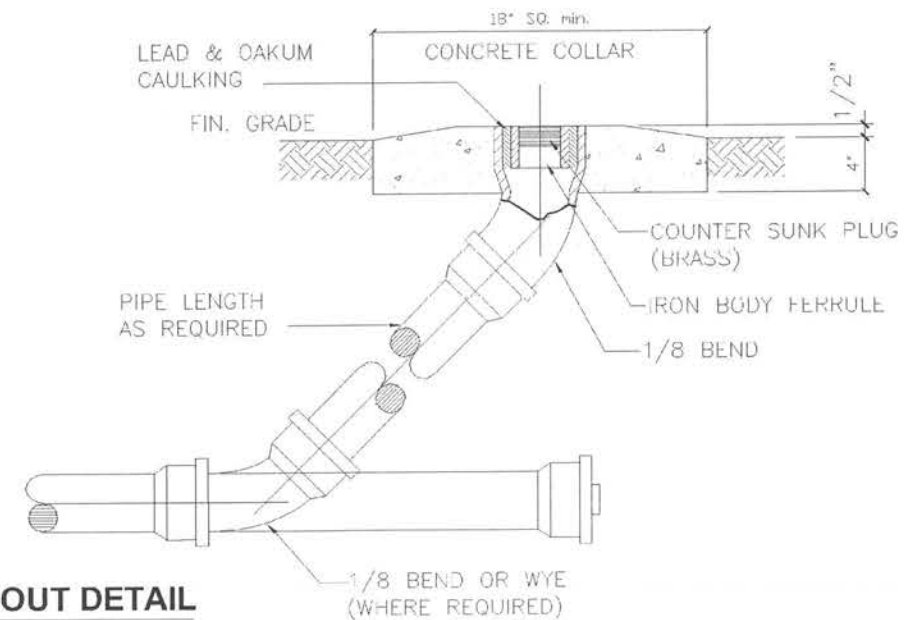
1 WATER METER DETAIL
C303 SCALE NTS



4 WATERLINE TAPPING CONNECTION
C303 SCALE NTS



2 WATER LINE DETAIL
C303 SCALE NTS



3 GROUND CLEANOUT DETAIL
C303 SCALE NTS