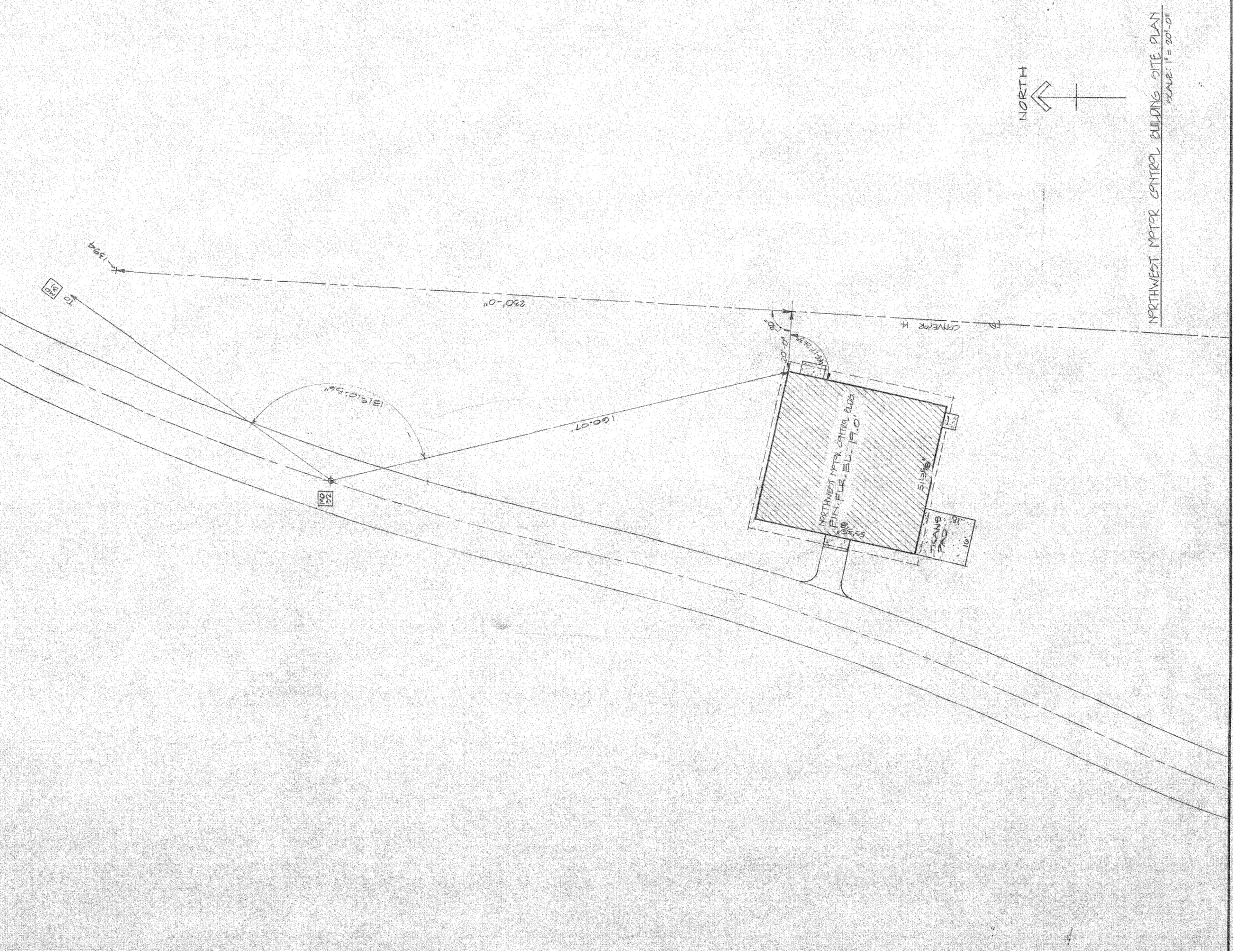
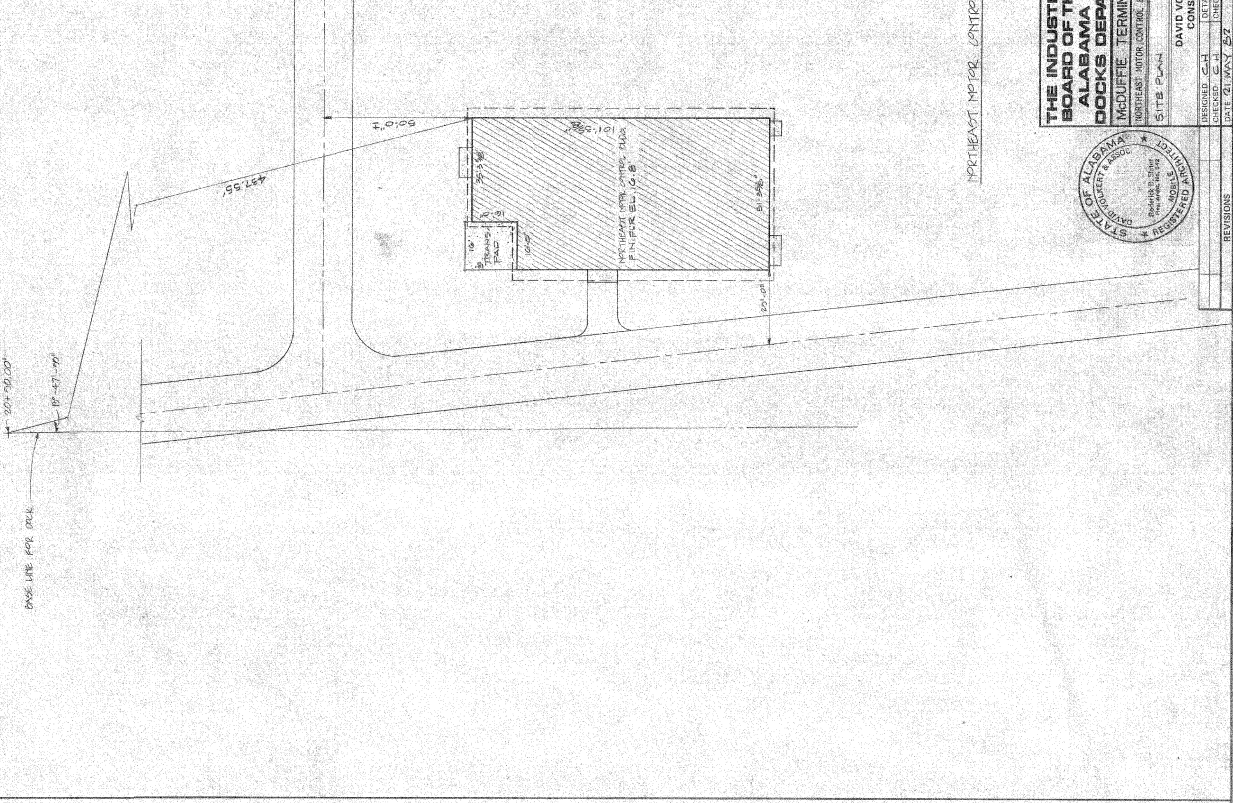


SHEET NO.	PROJECT	DATE
C-1	475	2-22-36
DRAWING OF 03		



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT) MEDIFFIE TERMINALS PLANT EXPANSION

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

DESIGNED BY: C.H. CHECKED BY: C.H. DATE: 21 MAY 27

NO.	DESCRIPTION	DATE

STATE OF ALABAMA REGISTERED PROFESSIONAL ENGINEER

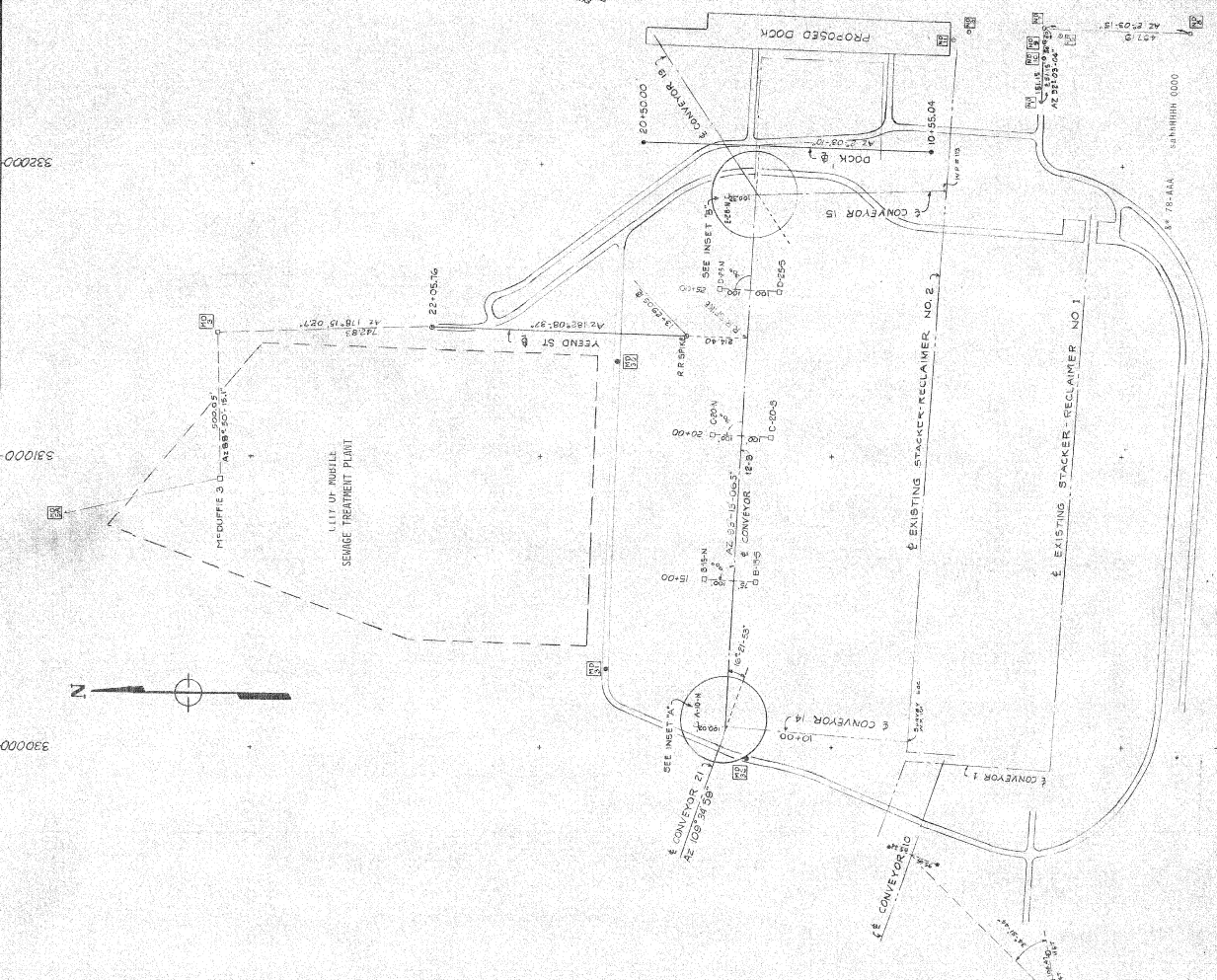
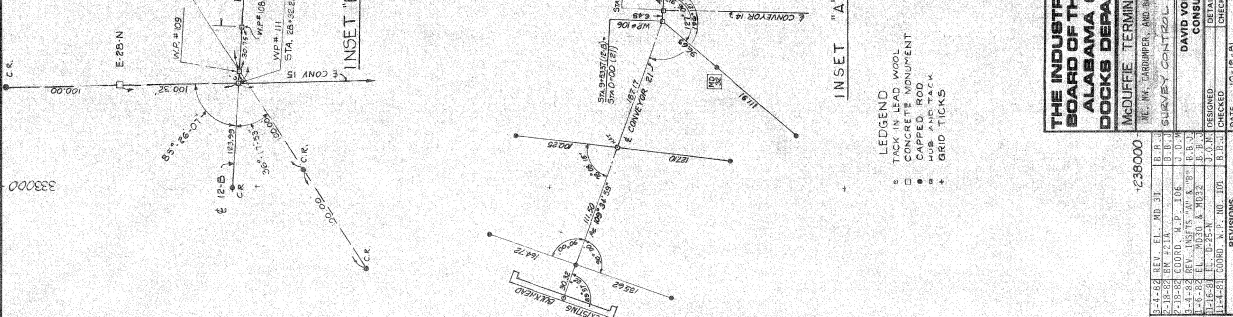
DATE: 21 MAY 27

DATE: 21 MAY 27

DATE: 21 MAY 27

DATE: 21 MAY 27

SHEET NO.	PROJECT NO.	BHEET NO.
475	1242.36	C-2
DATE: 12/27/25		



POINT NUMBER	TYPE MARKER	COORDINATES			ELEV'S.	REMARKS
		NORTH	EAST	HEIGHT		
22+05.76	R.R. SPIKE	240373.72	331447.30		YEARD ST. B.	
12+29.05	R.R. SPIKE	239097.67	331414.50		YEARD ST. B.	
20+50.00	CAPPED ROD	239650.68	332082.98	11.347	DOCK B.	
10+95.04	CAPPED ROD	238656.36	332047.34	14.171	DOCK B.	
MODUF. 3	CONC. MON.	241106.06	330924.67			
M.D. 3	CONC. MON.	241116.20	331404.62		YEARD ST.	
M.D. 32	CAPPED ROD	239287.46	329961.47	16.765		
M.D. 31	CAPPED ROD	239771.55	330269.25	15.49	PAVED ROAD	
M.D. 30	CAPPED ROD	239737.00	331328.37	15.728	PAVED ROAD	
9 + 59.85	CONC. MON.	239460.75	330030.09		12-B & CONV. 14	
A 10+ N	TRACK IN LEAD MON.	230,270.81	332,423.68	6.483	DOCK CONTROL	
A.P. 11	CONC. MON.	239355.63	331899.93		12-B & CONV. 15	
E-28-N	CONC. MON.	238,272.60	332,333.71	12.649	DOCK CONTROL	
100-10	CONC. MON.	239361.11	330024.02		12-B & CONV. 21	
A.P. 106	CONC. MON.	239255.29	331505.92		CONV. 19	
M.P. 101	CONC. MON.	238733.60	330019.43		CONV. 14 (FIELD MON.)	
M.P. 114	CONC. MON.	236609.58	332409.82		CONV. 19	
M.P. 113	CONC. MON.	238006.12	331915.20		CONV. 15	
CONV. 21	CONC. MON.	239518.63	329614.63		CONV. 21	
B-15-N	CONC. MON.			12.139		
B-15-S	CONC. MON.			12.128		
C-20-N	CONC. MON.			12.637		
D-25-N	CONC. MON.			11.321		
D-25-S	CONC. MON.			15.490		
D-25-S	CONC. MON.			13.651		
10-1	DOCK MON. LEAD	238,276.01	332,222.65		DOCK CONTROL	
10-7	DOCK MON. LEAD	238,269.02	332,473.65		DOCK CONTROL	
10-8	DOCK MON. LEAD	237,772.16	332,455.82		DOCK CONTROL	
BP 21-N	CONC. MON. COR. 75° SOUTH E. CONV. 21			9.51	PRINTED RED	

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

MOBILE TERMINALS PLANT EXPANSION

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

DATE: 12/27/25

SCALE: 1" = 100'

SPEC. NO.	PROJECT NO.	SHEET NO.
475	24236	5-1
DWS: N.D. 5 OF 25		

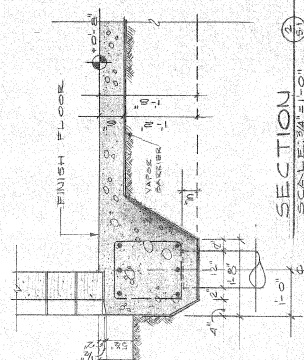
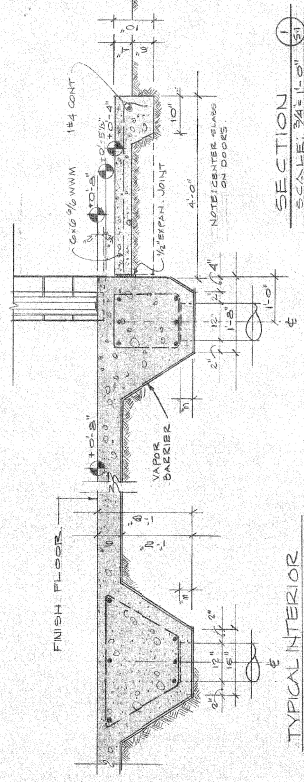
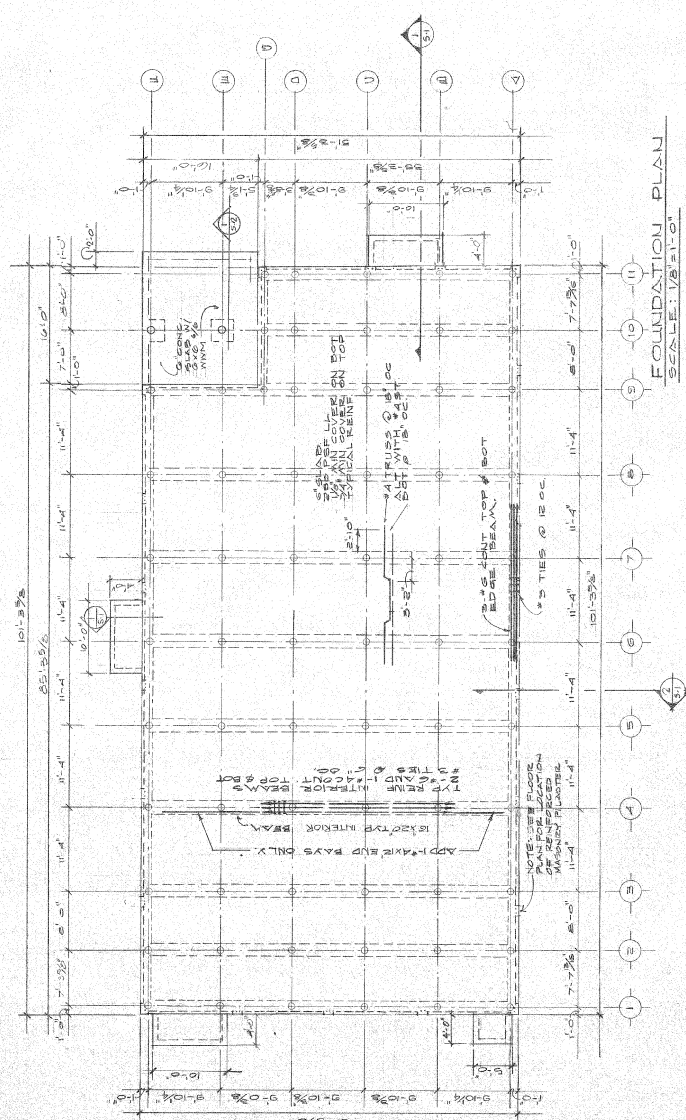
THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

McDUFFIE TERMINALS PLANT EXPANSION
 RE. INT. CRADLER, AND BRBE UNDER MOTOR CONTROL BUILDING
 RE. INTER CONTROL BUILDING FOUNDATION PLAN

DAVID VOLKERT & ASSOCIATES
 CONSULTING ENGINEERS

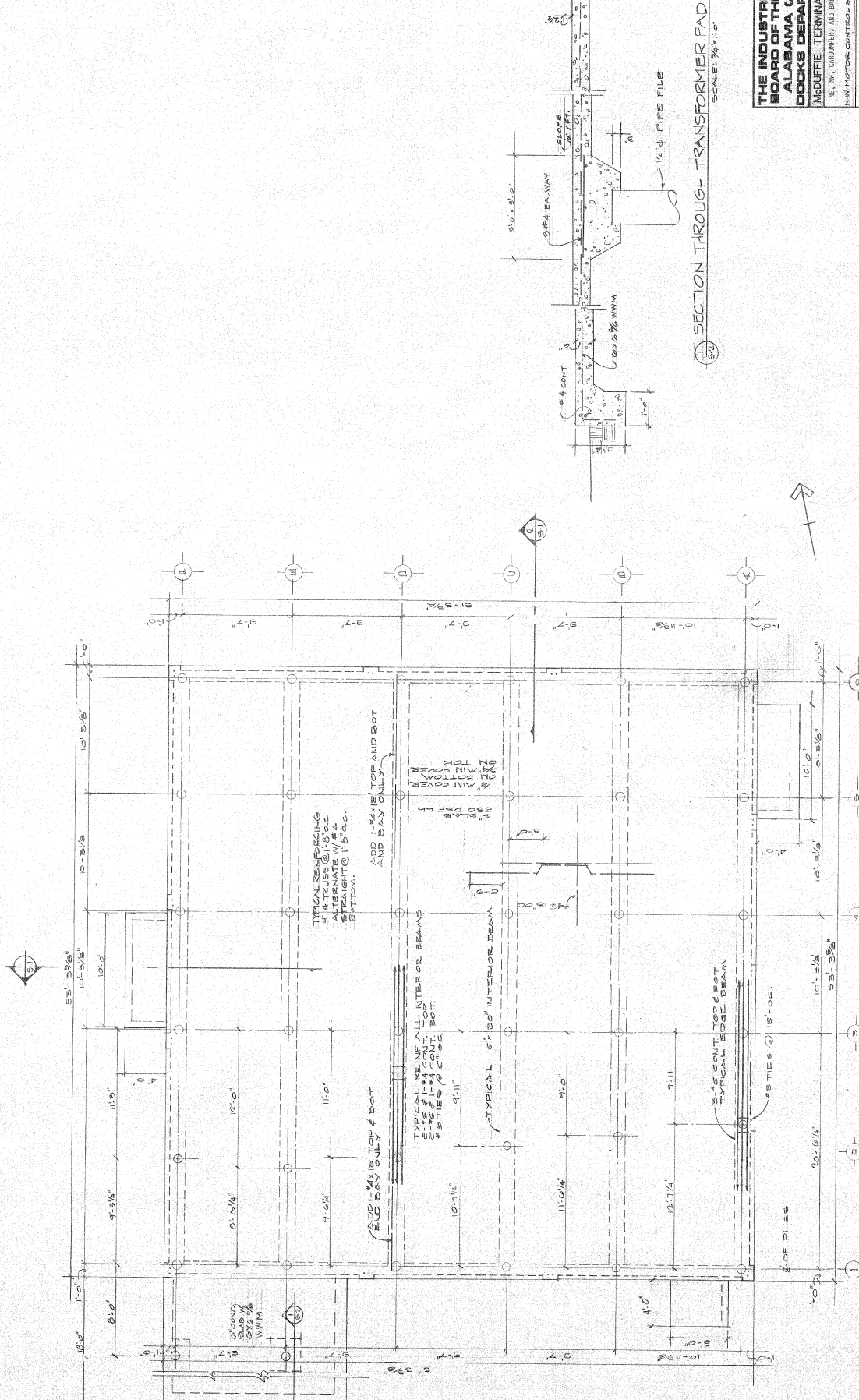
DESIGNED: S.C.C.
 DRAWN: S.C.C.
 CHECKED: S.C.H.
 DATE: 21 MAY 62

REVISIONS	



SPEC. NO.	PROJECT NO.	SHEET NO.
475	24230	5-2

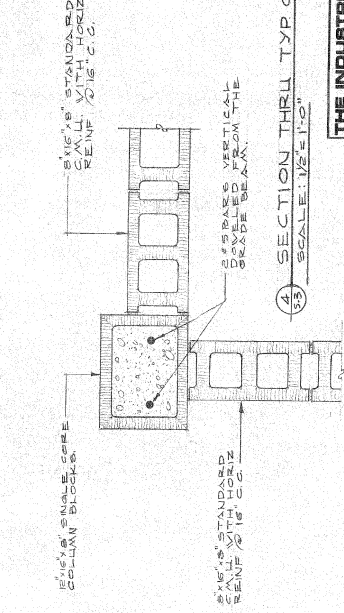
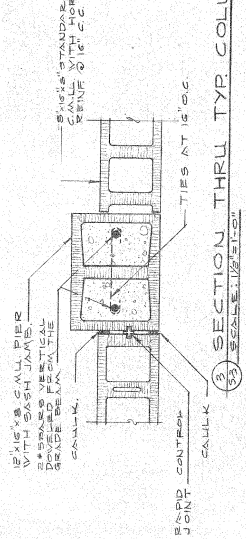
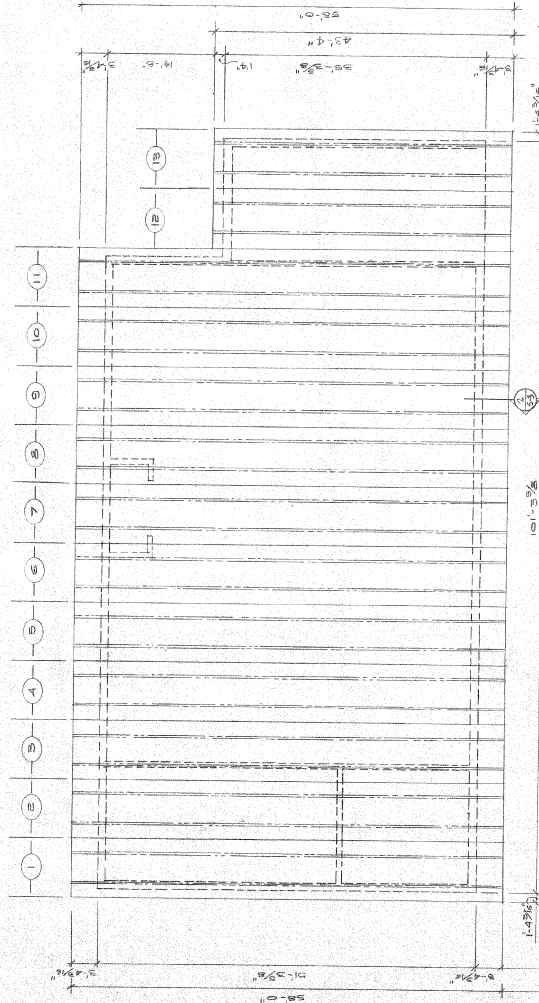
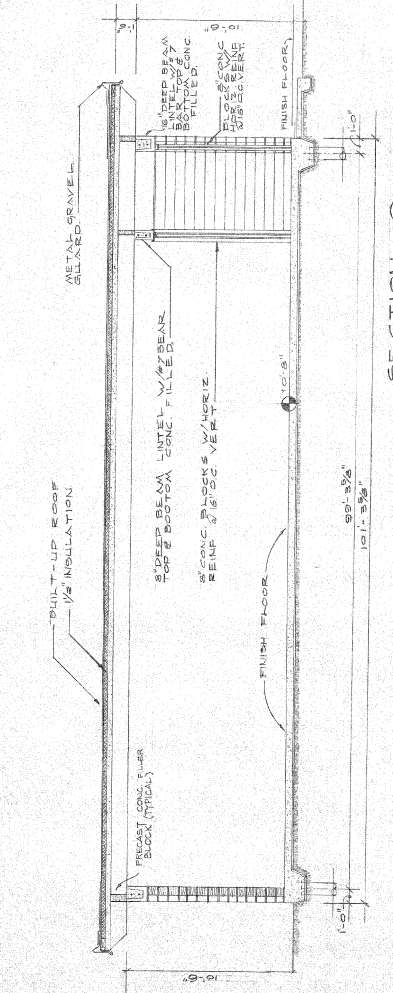
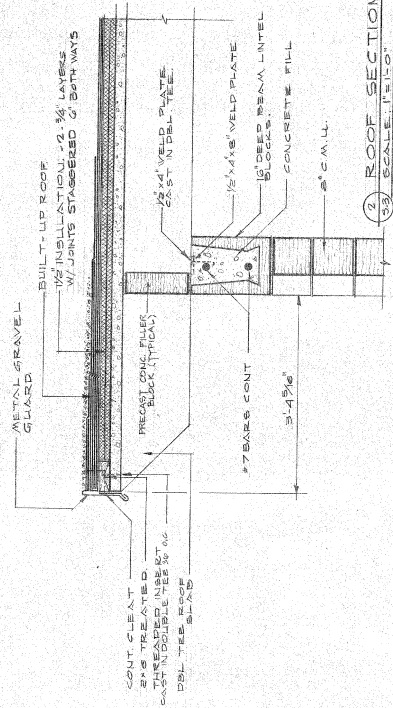
DWG. NO. 9 OF 25



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

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)
McDUFFIE TERMINALS PLANT EXPANSION
RE. W. CRUMPER, AND BARGE UNLOADER WATER CONTROL BUILDINGS
NEW MOTOR CONTROL BUILDINGS - FOUNDATION PLAN
DAVID VOLBERT & ASSOCIATES CONSULTING ENGINEERS
DESIGNED: S.C.C. DRAWN: N.G. CHECKED: S.C.C. REVISIONS: DATE: 11/27/81

DESIGNED	S.C.C.	DRAWN	N.G.	CHECKED	S.C.C.
DATE	11/27/81	PROJECT	McDUFFIE TERMINALS PLANT EXPANSION	SHEET	5-2



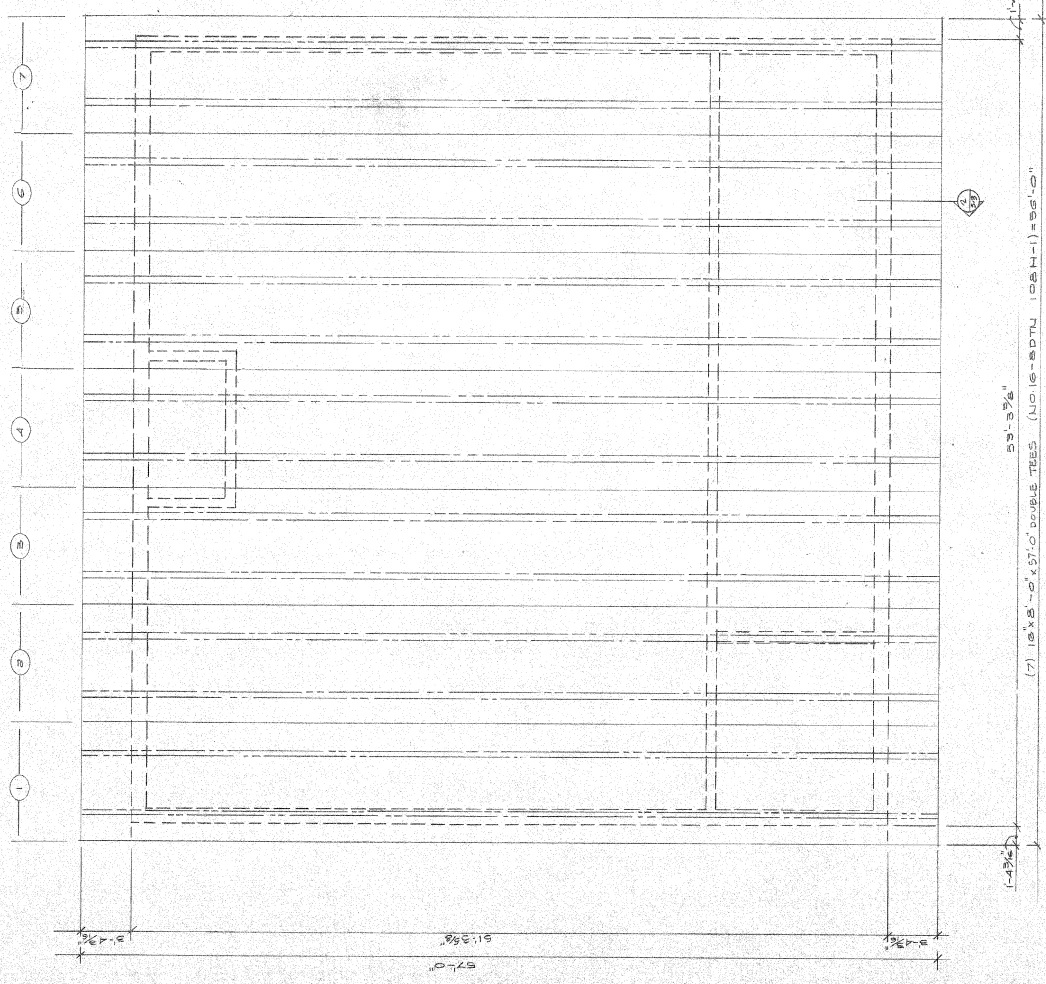
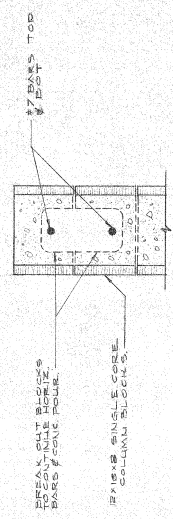
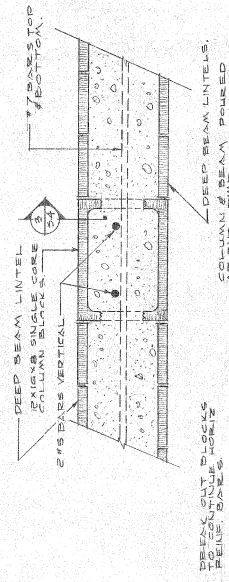
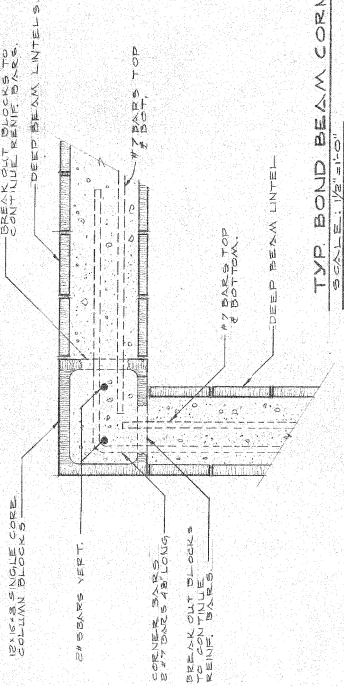
THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)
 McDUFFIE TERMINALS PLANT EXPANSION
 RE. NO. C-1000001, AND GRADE INCLUDING MOBILE CONTROL BUILDINGS.
 ROOF FRAMING PLAN AND BUILDING SECTION (10)
 DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
 DESIGNED: J.C.C. CHECKED: S.H. DATE: 21 MAY 68
 TRACED: S.H. CHECKED: S.H.

REVISIONS

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SHEET NO.	PROJECT NO.	SHEET NO.
475	24236	94

DWG. NO. 11 OF 25



(7) 18"x3'-0" x 37'-0" DOUBLE TEES (NO 16-SDTU 108 M-I) @ 5'-0"

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT) MCDUFFIE TERMINALS PLANT EXPANSION

RES. IN. CASOMPER, AND BARGE UNLOADER MOTOR CONTROL BUILDINGS

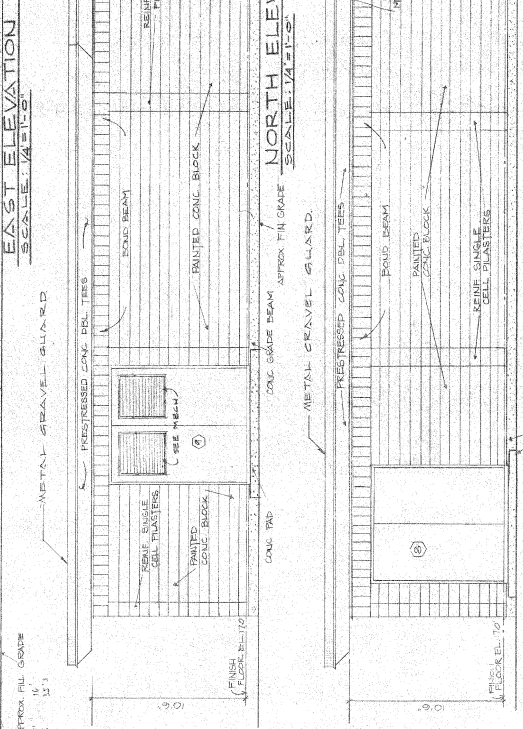
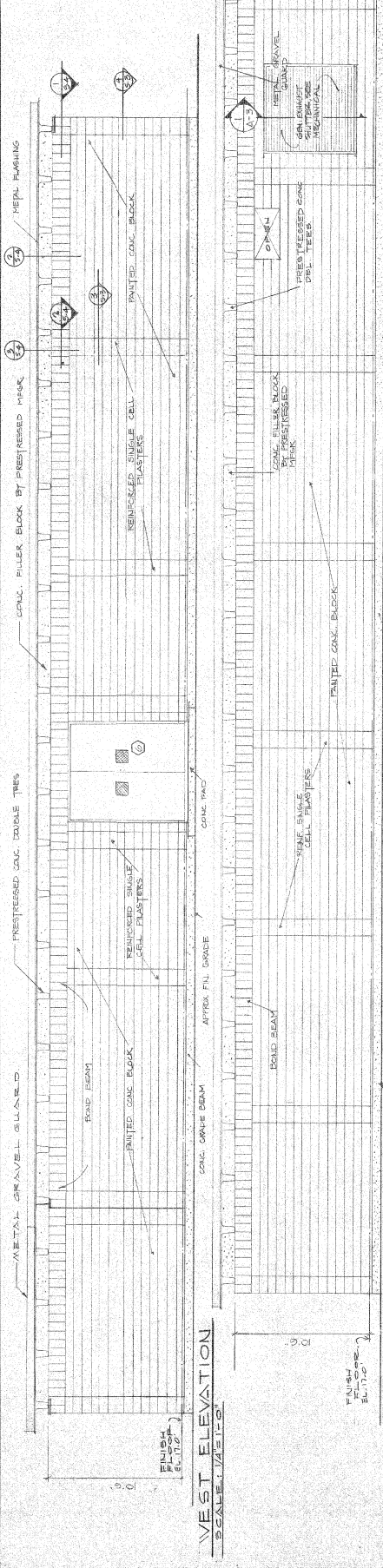
D.W. MORGENTHAU ENGINEERS/ARCHITECTS ASSOCIATES

DRAWING NO. 11 OF 25

DESIGNED: S.C.C. CHECKED: S.C.C. DATE: 2/19/52

REVISIONS

PROJECT NO.	24236	SHEET NO.	A-1
DWG NO. 3 OF 25			



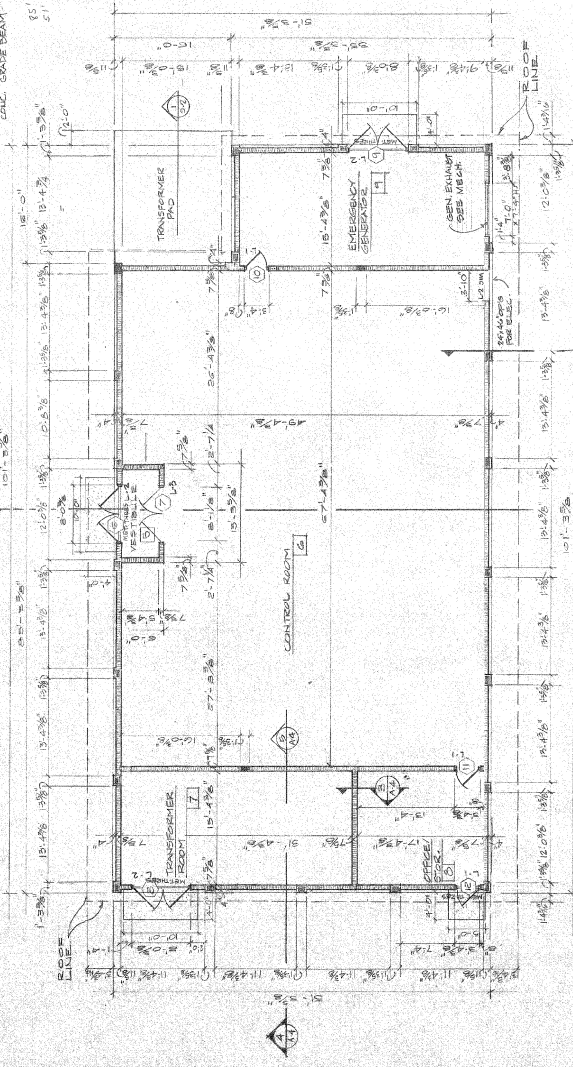
WEST ELEVATION
SCALE: 1/4"=1'-0"

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

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

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

- INTEL SCHEDULE
- L1 2.4" RIBBING 5/8" X 8" DEEP
 - L2 INTEL BLOCK W/ 2" X 5" FILL WITH C.
 - L3 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L4 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L5 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L6 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L7 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L8 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.
 - L9 2" X 5" RIBBING WITH 2" X 5" FILL WITH C.



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

TRANSFORMER ROOM

CONTROL ROOM

OPEN BAY DOOR

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

MODURIE TERMINALS PLANT EXPANSION

112, W. COOPER, AND GARDNER INDUSTRIES, GENERAL MANAGERS

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

REGISTERED PROFESSIONAL ENGINEERS

DATE: 21, MAY, 84

STATE OF ALABAMA

REGISTERED PROFESSIONAL ENGINEERS

DAVID VOLKERT & ASSOCIATES

REGISTERED PROFESSIONAL ENGINEERS

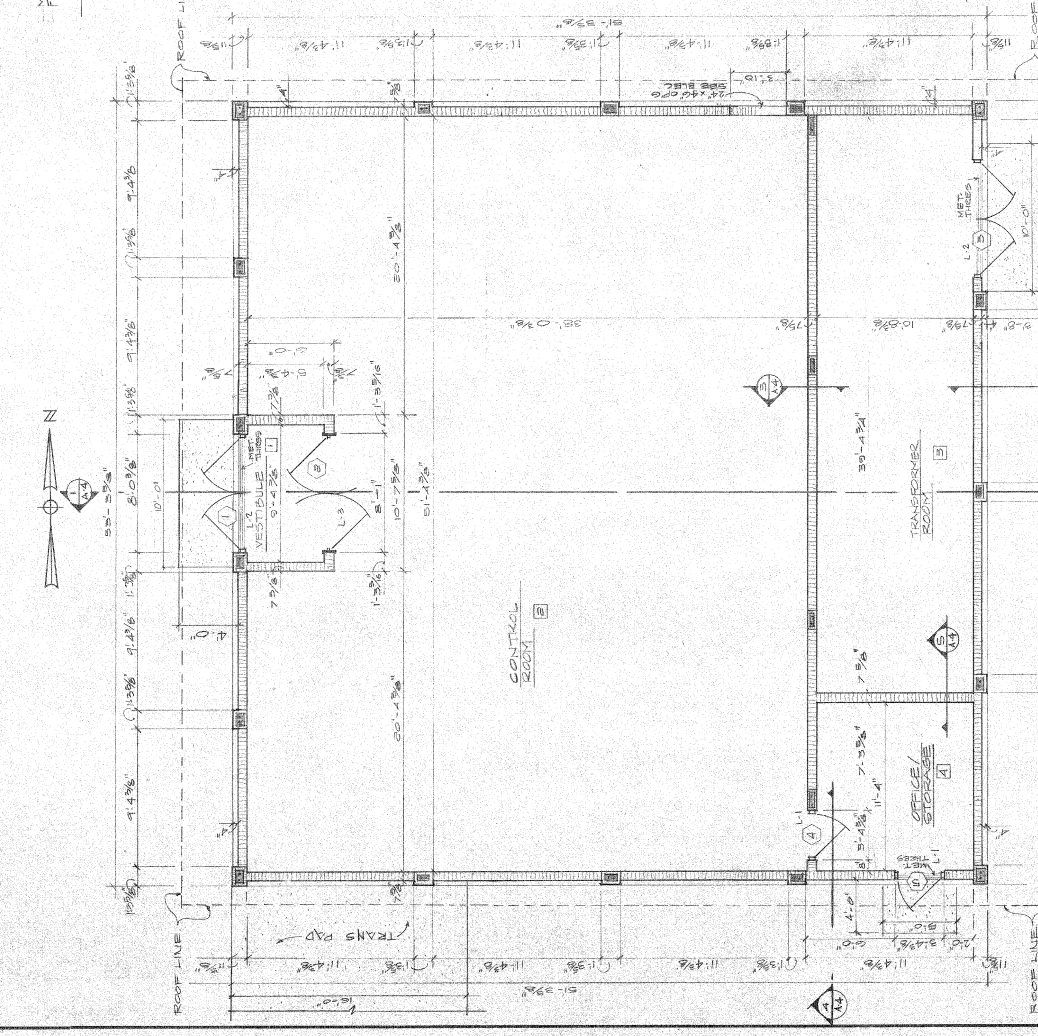
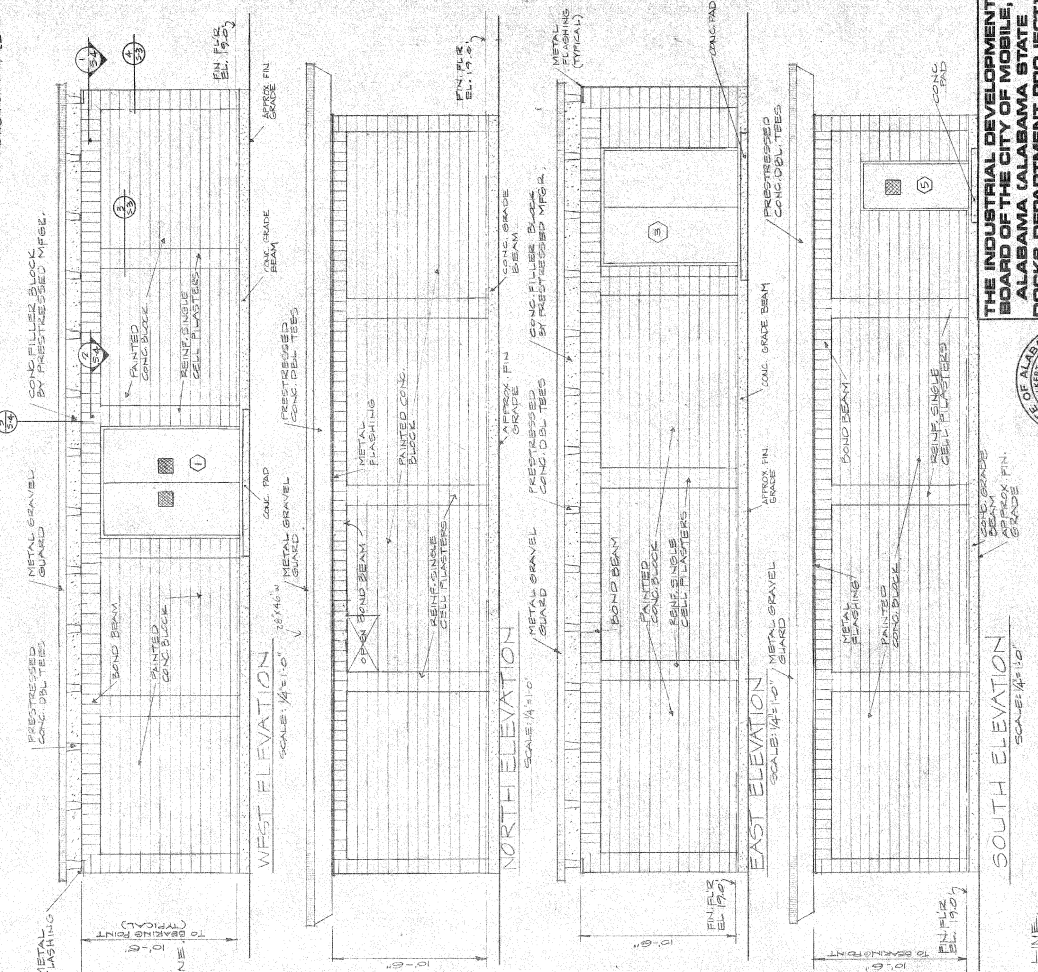
DATE: 21, MAY, 84

REVISIONS

NO.	DESCRIPTION	DATE

N

SHEET NO.	PROJECT	BHEET NO.
415	242.36	A2
DWS NO. 4 OF 15		



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

MODULIFE TERMINALS PLANT EXPANSION

BY: MR. CONROPER, AND SHANE UNDERHILL WITH CARROLL WILLIAMS

FOR: THE CITY OF MOBILE, ALABAMA

DATE: 21 MAY 82

DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS

REGISTERED PROFESSIONAL ENGINEERS
STATE OF ALABAMA

NO. 10000
EXPIRES 12/31/85

REVISIONS

NO.	DESCRIPTION

DATE: 21 MAY 82

MARK ON DRAWINGS	ROOM FINISH SCHEDULE						REMARKS
	FLOOR	BASE	WAINSCOT	WALL	CEILING	TRIM	
1	CONCRETE W/POLAR			9" L. BLOCK - PAINTED	PERFORATED METAL TILE - PAINTED	A	
2	CONCRETE					A	
3	CONCRETE					A	
4	CONCRETE					A	
5	CONCRETE					A	
6	CONCRETE					A	
7	CONCRETE					A	
8	CONCRETE					A	
9	CONCRETE					A	
10	CONCRETE					A	

MARK ON DRAWINGS	DOOR SCHEDULE												REMARKS
	LEAFS S-SINGLE D-DOUBLE	SIZE	DOOR TYPE MARK	THICKNESS	DOOR TYPE MARK	GLASS	FRAME MATERIAL	THRESHOLD	DETAIL NO	SHEET NO. FOR DETAIL	HARDWARE MARK	LABEL	
1	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
2	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
3	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
4	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
5	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
6	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
7	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
8	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
9	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	
10	LEAFS S-SINGLE D-DOUBLE	3'0" X 7'0"	C	1 1/2"	C	1	1	1	1	1	1	1	



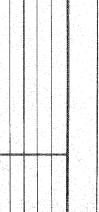
PAINT SCHEDULE			
1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
PRIMER PAINTER	HIGH BUILD EPXY		
PRIMER PAINTER	PRIMER PAINTER	HIGH BUILD EPXY	
PRIMER PAINTER	HIGH BUILD EPXY		

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT) MEDJEFIE TERMINALS PLANT EXPANSION

FINISH SCHEDULE, DOCK SCHEDULE and DETAILS

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

DESIGNED BY: [] CHECKED BY: [] DATE: 21 MAY 82



PROJECT NO.	475
SHEET NO.	242.30 A.5
DWN. 7 OF 25	

AT EACH LOCATION SHOWN:
2" MIN. HOOD TO SAND
2" MIN. HOOD TO SAND
BEAM ABOVE IS CONT'D

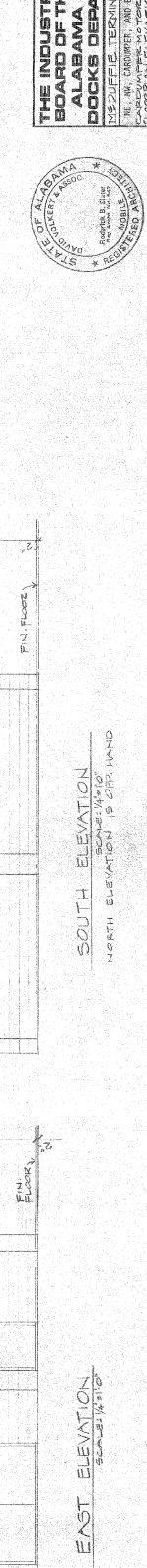
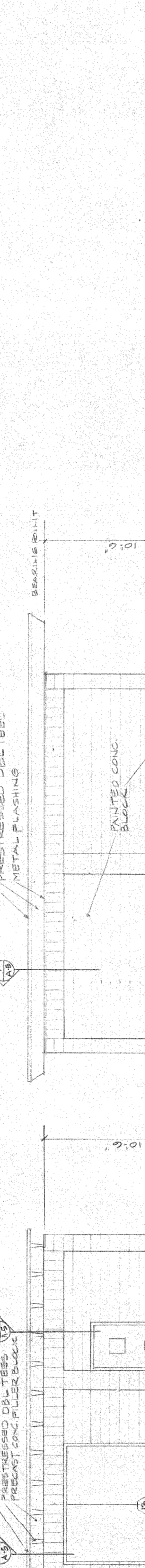
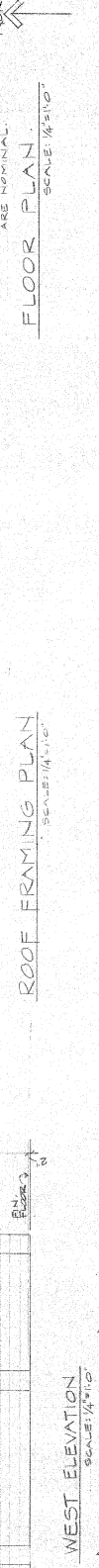
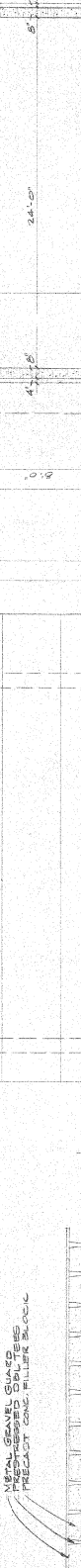
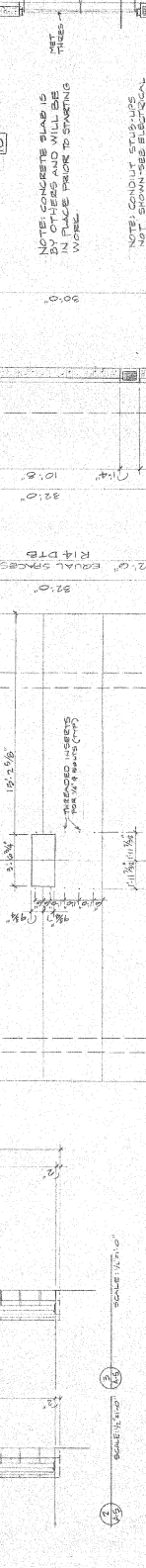
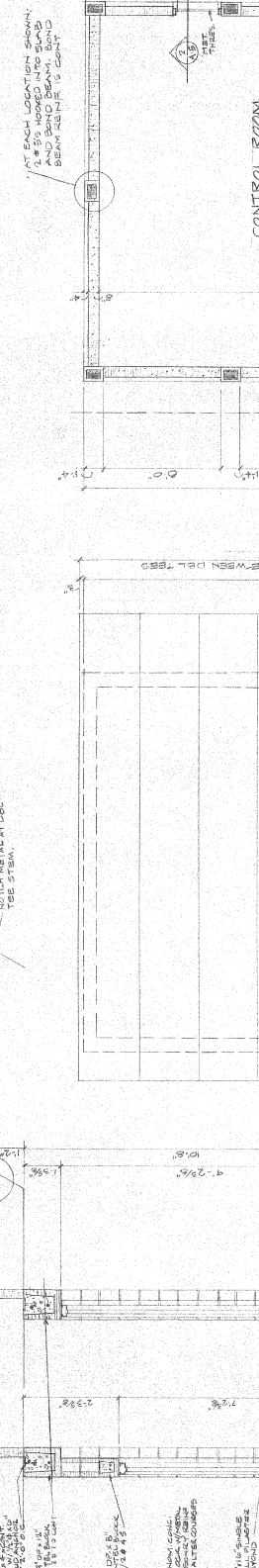
CONTROL ROOM

NOTE: CONCRETE SLAB IS TO BE PLACED PRIOR TO STARTING WORK.

NOTE: CONDUIT STRIPS ARE TO BE INSTALLED PER ELECTRICAL DRAWINGS.

NOTE: DIMENSIONS ARE NOMINAL.

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



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT) MOBILE TERMINAL PLANT EXPANSION PROJECT. THE CITY ENGINEER HAS REVIEWED THESE DRAWINGS FOR CONFORMANCE WITH THE CITY ENGINEER'S STANDARDS FOR CONSTRUCTION. THIS REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWINGS AND DOES NOT CONSTITUTE A GUARANTEE OF ACCURACY OR A WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. THE CITY ENGINEER'S OFFICE IS NOT RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS.

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
DESIGNED: C.H. VOLKERT, P.E.
DRAWN: C.H. VOLKERT, P.E.
CHECKED: C.H. VOLKERT, P.E.
DATE: 21 MAY 84

REVISIONS

PREC. NO.	475	DIVS. NO. 12 OF 25
SHEET NO.	88-1	

PREPARED ROOF TOP A.C. SHALL BE FRANK MODEL SAC-C-104, OR AT N.E. CONDITIONS, AND A HEATING UNIT OF 65 K. THE UNIT SHALL OPERATE ON 240 VOLTS, 3 PHASE, 60 HZ POWER. CYCLE THRESH. LOW AMBIENT MECHANICAL COOLING TO 0° F., TWO STAGES OF HEATING & COOLING. MINIMUM 12.5% FRESH AIR FROM OUTSIDE AIR ROOM. FRESH AIR FROM OUTSIDE AIR ROOM SHALL BE SECURED BY AN APPROVED DAMPER. THE UNIT AND CURB SHALL BE SECURED BY AN APPROVED DAMPER. THE UNIT AND CURB SHALL BE SECURED BY AN APPROVED DAMPER. THE UNIT AND CURB SHALL BE SECURED BY AN APPROVED DAMPER. THE UNIT AND CURB SHALL BE SECURED BY AN APPROVED DAMPER.

EXHAUST FAN BY LOREN COOK, CAT. NO. 262P48 OR APPROVED EQUAL RATED AT 342 CFM AT 1/4" S.P., 1/3 H.P., 115 V., 3-PHASE, 60 HZ POWER. INCLUDES SAFETY SCREEN AND A WALL MOUNTED THERMOSTAT IN CONTROL. THIS VENTILATION SHALL BE SET AT A TEMPERATURE HIGH ENOUGH TO SERVE THROUGHOUT THE YEAR. THE UNIT SHALL BE SET TO MAINTAIN ROOM TEMPERATURES AS SET BY THE USER. *NOTE: MAXIMUM 72 HOUR RATING OF 1/4 H.P.*

EXHAUST FAN EF-1
ON SHIT. R-2

EXHAUST FAN EF-2
ON SHIT. R-2

EXHAUST FAN EF-3
ON SHIT. R-2

EXHAUST FAN EF-4
ON SHIT. R-2

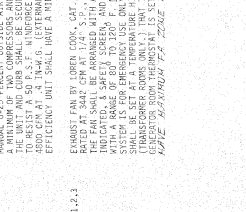
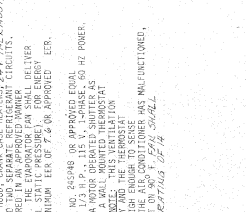
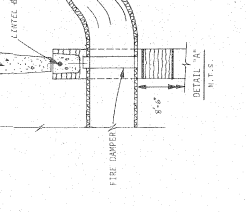
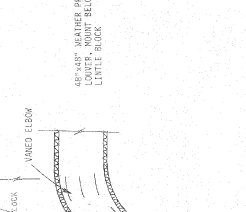
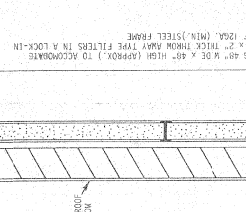
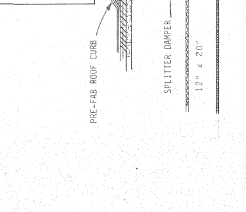
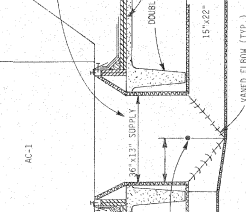
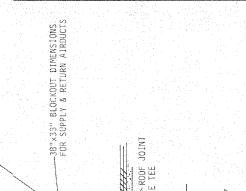
EXHAUST FAN EF-5
ON SHIT. R-2

EXHAUST FAN EF-6
ON SHIT. R-2

EXHAUST FAN EF-7
ON SHIT. R-2

EXHAUST FAN EF-8
ON SHIT. R-2

EXHAUST FAN EF-9
ON SHIT. R-2



NOTES: 1. MOUNT ALL CURB WORK UP AGAINST THE BOTTOM OF DOUBLE TEE. 2. 50' PSF WIND FORCE.

DETAIL 'B'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'C'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'D'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'E'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'F'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

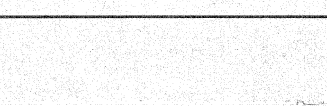
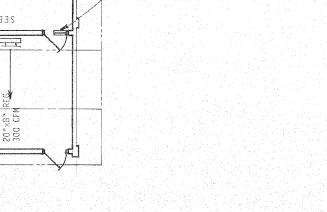
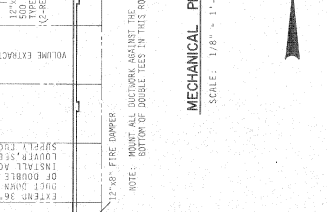
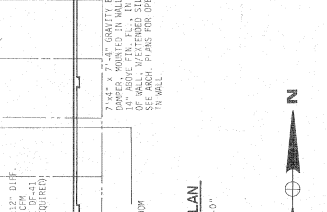
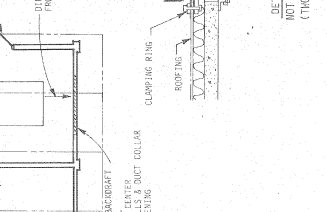
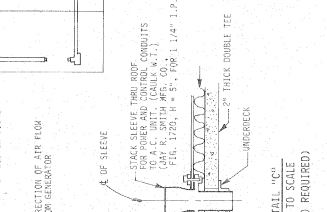
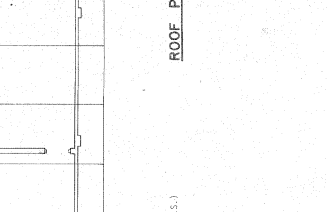
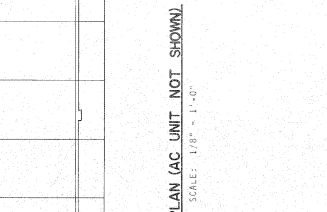
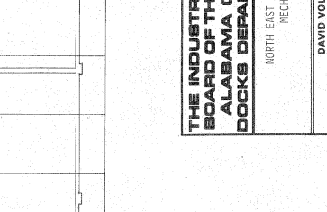
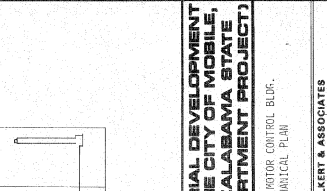
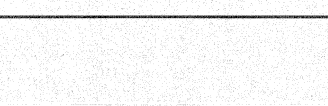
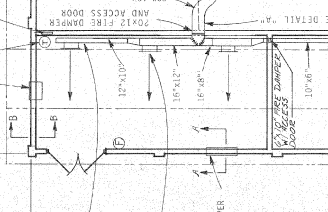
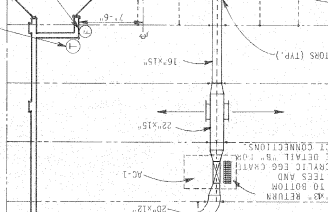
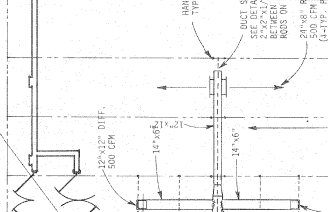
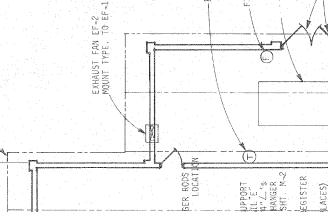
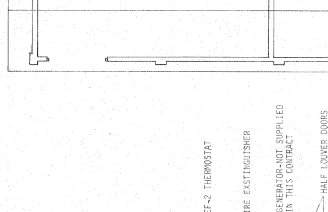
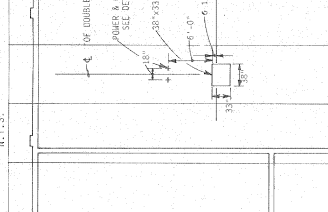
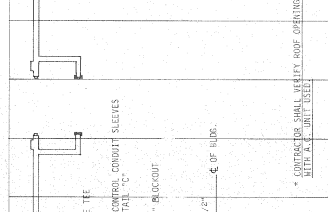
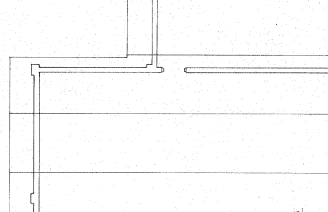
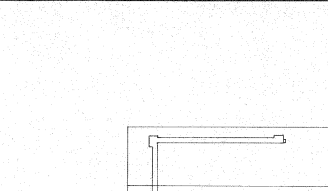
DETAIL 'G'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'H'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'I'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'J'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>

DETAIL 'K'
SUPPLY CURB CONNECTIONS
SCALE: 1/2\"/>



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

DESIGNED: J.W.M. CHECKED: D.J.H. DATE: 11-15-82

REVISIONS

MECHANICAL PLAN
SCALE: 1/8\"/>

MECHANICAL PLAN
SCALE: 1/8\"/>

MECHANICAL PLAN
SCALE: 1/8\"/>

MECHANICAL PLAN
SCALE: 1/8\"/>

MECHANICAL PLAN
SCALE: 1/8\"/>

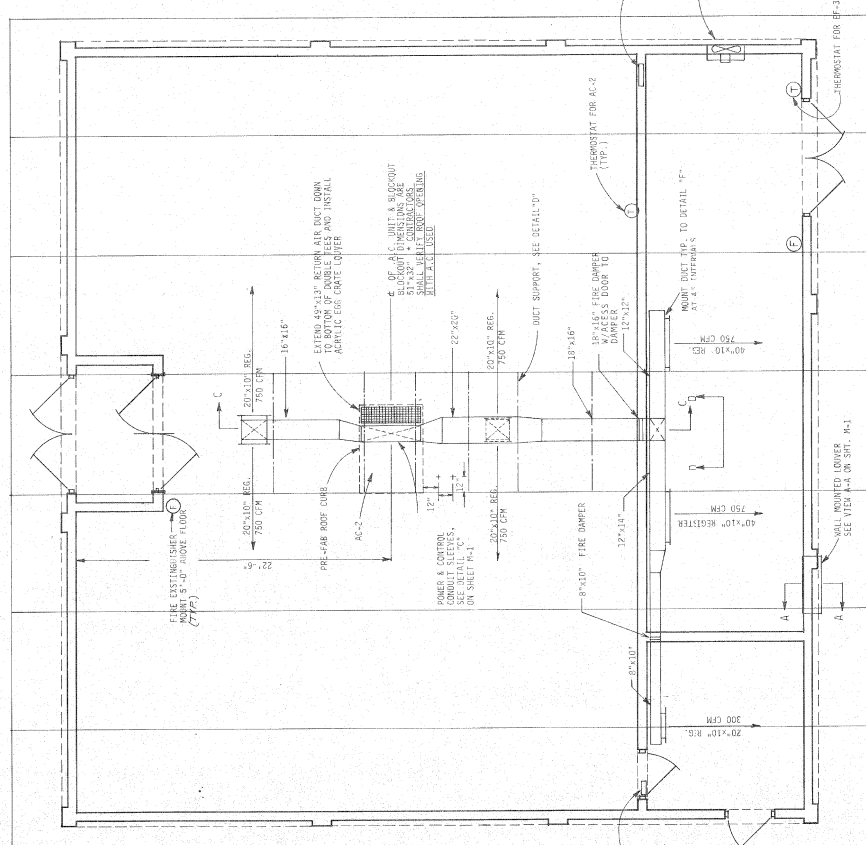
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SCALE: 1/8\"/>

MECHANICAL PLAN
SCALE: 1/8\"/>

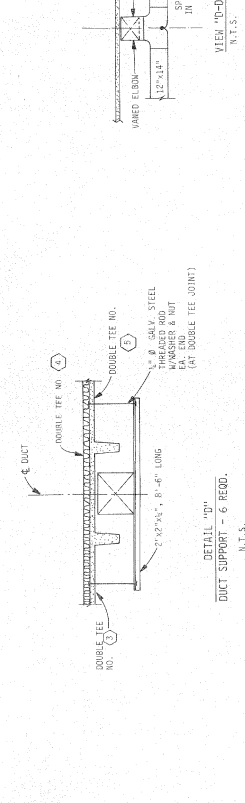
REV	NO.	SHEET NO.
475		4-2

DWG. NO. 13-P-25

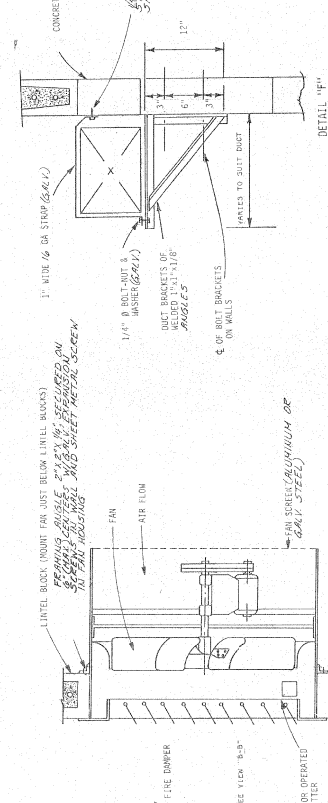
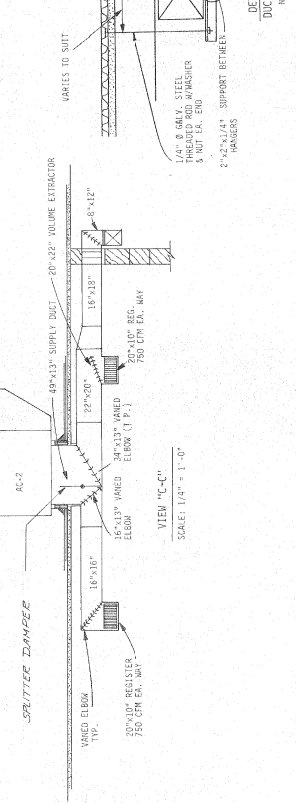
* A.C. SCHEDULE IS ON SHIT. M-1



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



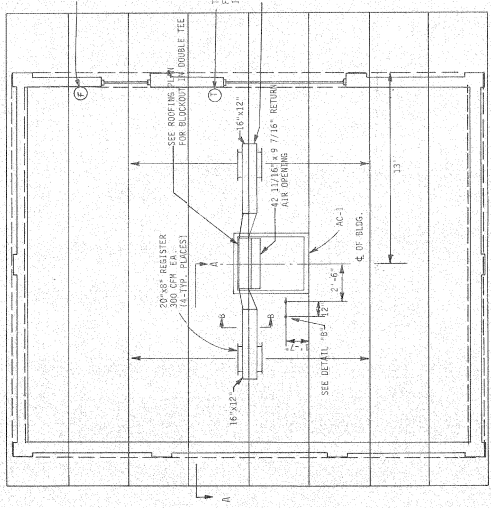
NOTE:
AT SUPPORTS WHERE BOTTOM OF DUCT
DOES NOT REACH BOTTOM OF DOUBLE TEE,
MOUNT TYP. TO AC-1 ON
SPT. M-1



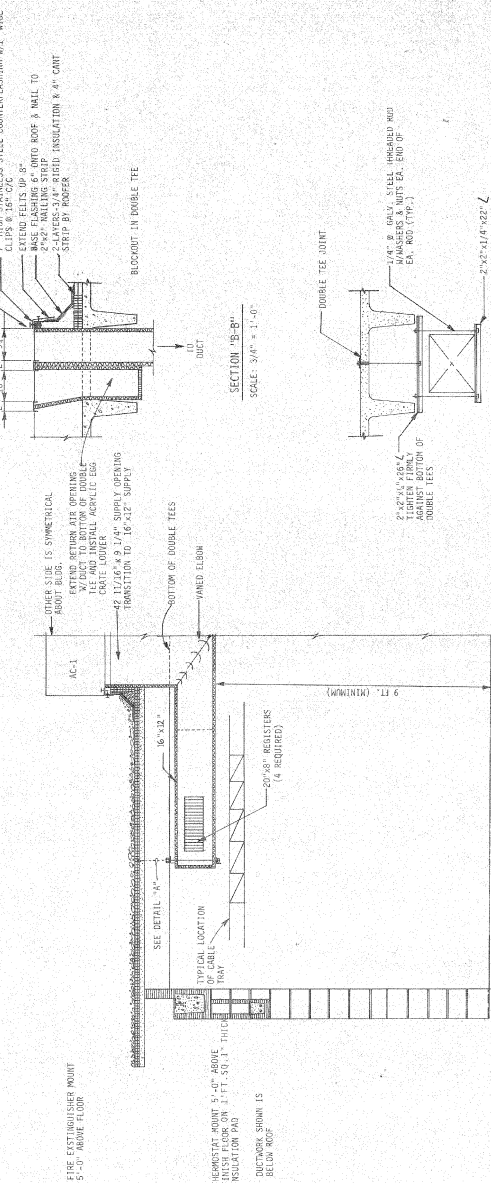
**THE INDUSTRIAL DEVELOPMENT
BOARD OF THE CITY OF MOBILE,
ALABAMA (ALABAMA STATE
DOCKS DEPARTMENT PROJECT)**

NORTHEAST MOTOR CONTROL BLDG.
MECHANICAL PLAN
DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS
1111 W. WASHINGTON ST., SUITE 100
CHICAGO, ILL. 60604
CHECKED: D.J.H. DATE: 1-13-82

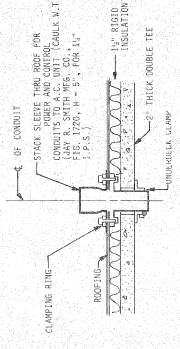
DESIGNED	BY	DATE
CHECKED	BY	DATE



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



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



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

- STEEL ANGLES SUPPORTING DUCT AND DUCT SHALL BE GIVEN TWO COURTS OF LIGHT GREEN EPIDERMIC PAINT
- THE DUCT FRAMES MUST BE ANCHORED TO THE CONCRETE FLOOR TO RESIST UPLIFT. CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING ANCHORING DETAILS TO BE PROVIDED BY ARCHITECT/ENGINEER.

- THE PREFAB. ROOF CURB SHALL BE OF UNPAINTED STEEL, 20 GAGE (MINIMUM), WITH PROTECT. SLIP OR 80-5 SLIP CONSTRUCTION JOINTS SHALL BE SPACED NOT MORE THAN THREE FEET ON CENTER.
- ALL DUCTWORK SHALL HAVE 1" THICK REINFORCE CONCRETE FIBERGLASS TO RESIST A 50 P.S.F. WIND FORCE.

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (LABAMA STATE DOCKS DEPARTMENT PROJECT)

CAR DUMPER MOTOR CONTROL BLDG.
PLAN AIR DISTRIBUTION

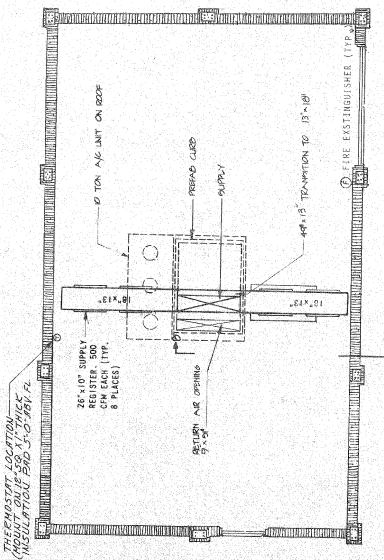
DAVID WALKER & ASSOCIATES
CONSULTING ENGINEERS

DESIGNED BY: D.W. WALKER
CHECKED BY: J.L. HARRIS
DATE: 4-15-82

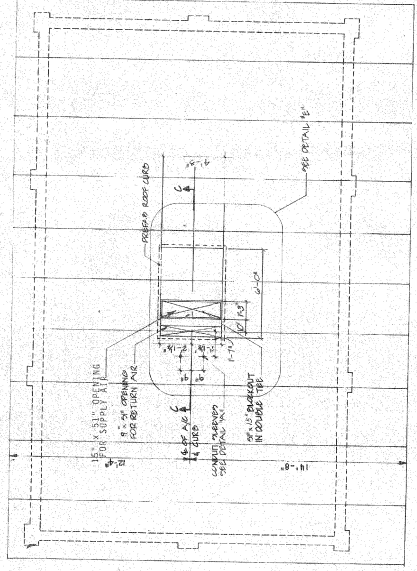
NO.	REVISIONS

REV. NO.	DATE	BY	CHK.
1/15			

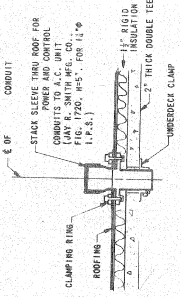
DWG. NO. 15 OF 25



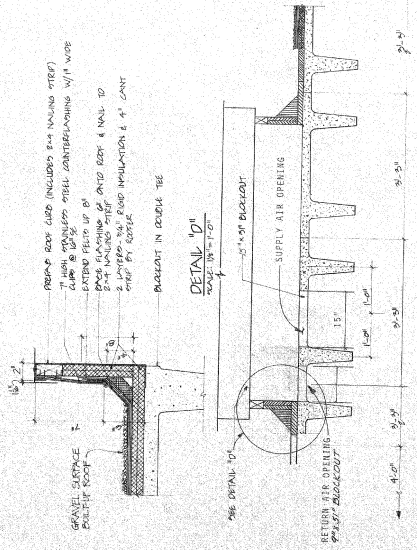
AIR CONDITIONING PLAN
SCALE: 1" = 1'-0"



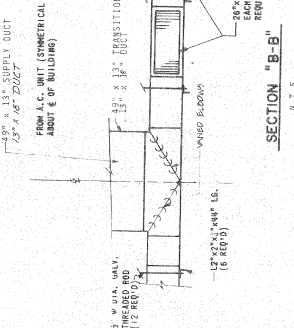
ROOF PLAN (A/C UNIT NOT SHOWN)
SCALE: 1" = 1'-0"



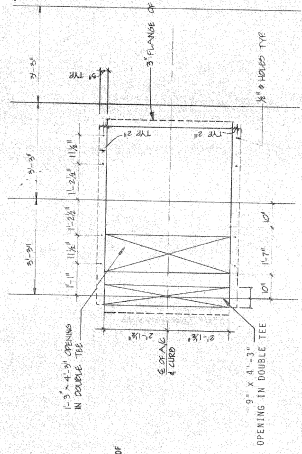
DETAIL 'A'
SCALE: 1" = 1'-0"
TWO REQUIRED



DETAIL 'D'
SCALE: 1" = 1'-0"



SECTION 'B-B'
N.T.S.



DETAIL 'E'
SCALE: 1" = 1'-0"

SPECIFICATIONS

1. THE PREPARED DUCT FOR THE EXPOSED TOP UNIT SHALL BE SECURED IN PLACE TO THE DOUBLE TEES USING 1/2" DIA. GALV. (6 REQ'D).
2. THE PREPARED DUCT FOR THE EXPOSED TOP UNIT SHALL BE SECURED IN PLACE TO THE DOUBLE TEES USING 1/2" DIA. GALV. (6 REQ'D).
3. THE PREPARED DUCT FOR THE EXPOSED TOP UNIT SHALL BE SECURED IN PLACE TO THE DOUBLE TEES USING 1/2" DIA. GALV. (6 REQ'D).
4. ALL DUCTWORK SHALL BE OF GALVANIZED STEEL, 20 GAUGE UNLESS SPECIFIED OTHERWISE. ALL DUCTWORK SHALL BE PAINTED WITH LIGHT GREEN INDUSTRIAL PAINT.
5. SUPPLY REGISTER SHALL BE OF STEEL WITH DOUBLE REFLECTING BLADES (VERTICAL PAINT BARS) AND SPRING BLADE DAMPER. REGISTER MODEL 3 2/1 OF APPROVED EQUAL.
6. ALL DUCTWORK SHALL HAVE 1" THICK NEOPRENE GASKETS AT ALL JOINTS AND ROOF CURB SHALL BE MOUNTED TO RESIST A 50 P.S.F. WIND FORCE.

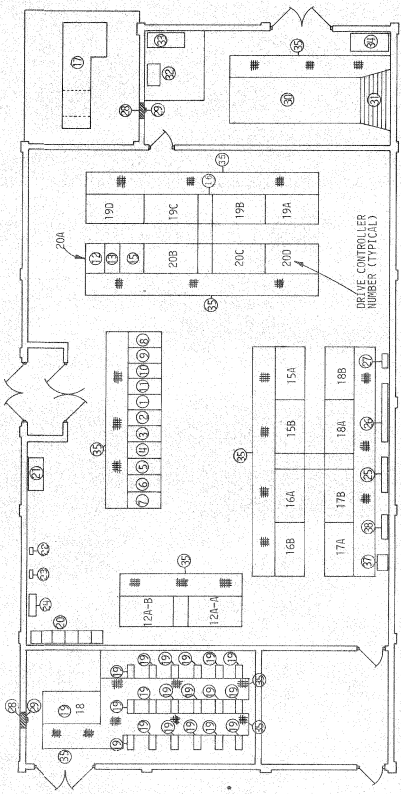
THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE ALABAMA STATE DOCKS DEPARTMENT PROJECT

BARGE UNLOADER MOTOR CONTROL BLDG.

DAVID VOLKERT & ASSOCIATES
DESIGNED BY
CHECKED BY
DATE: 10-15-82

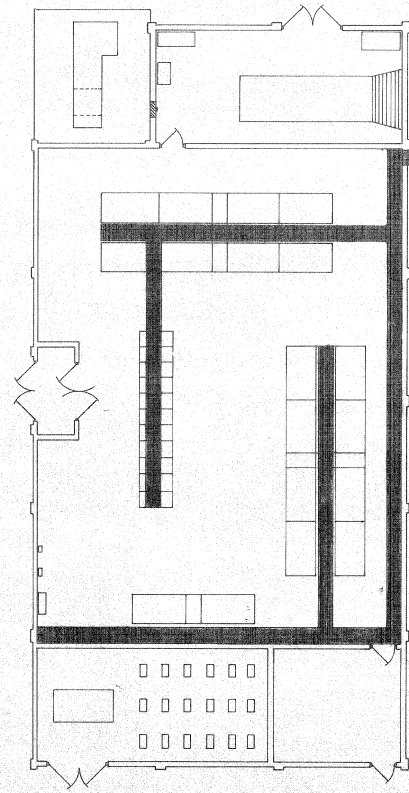
REVISED	DATE	BY	CHK.

SHEET NO.	175	E-1
DWG'S NOT TO SCALE		

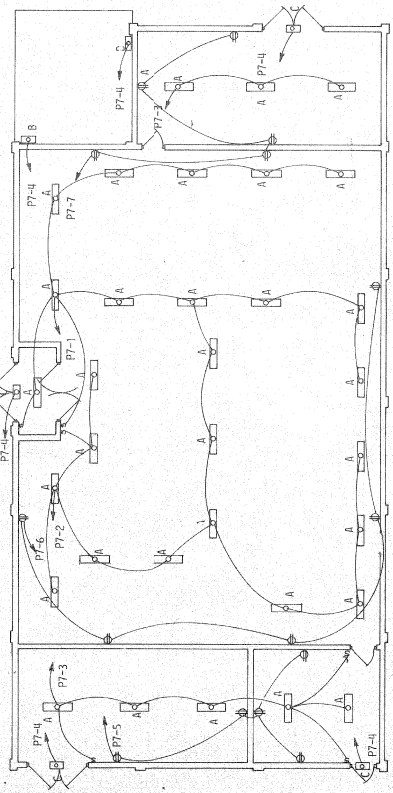


EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"

42" CABLE TRAY TO CONVEYOR SHEET NO. 261 FOR DETAILS
CONVEYOR CONTRACTOR SHALL INSTALL TRAY ON OUTSIDE OF BUILDING



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



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

- GROUNDING NOTES:**
- USE 1" PVC CONDUIT SLEEVE WHERE GROUNDING CONDUCTOR PENETRATES WALLS OR SLABS.
 - ALL GROUNDING CONDUCTORS SHALL BE 2/0 AWG BARE STRANDED COPPER.
 - GROUNDING CONDUCTORS SHALL BE INSTALLED IN THREE (3) FOOT TRENCH AT DISTANCE OF FIVE (5) FEET FROM BUILDING FOR EXTERIOR INSTALLATION.
 - CONDUCTOR SHALL ATTACH ALL GROUNDING CONDUCTORS TO STEEL PILLING. ALL CONNECTIONS SHALL BE THOROUGHLY CLEANED AND DEGREASED PRIOR TO ALL CONNECTIONS.
 - ALL CONNECTIONS SHALL BE COPWELDED.
 - ALL GROUNDING CONDUCTOR INSTALLED IN TRENCH SHALL BE COATED WITH ASPHALTUM PRIOR TO INSTALLATION.

- LIGHTING & POWER NOTES:**
- LIGHT FIXTURE "A": VAPOR FLUORESCENT MILLER NO. MD 2100-00, 2-40 W/AS, MOUNTED ON BAR 401ST.
 - LIGHT FIXTURE "B": WATER TIGHT FLUORESCENT WITH EMERGENCY BATTERY 7'-0" ABOVE FINISH FLOOR.
 - LIGHT FIXTURE "C": HOLOPHANE TYPE: WALL PACKETTE 175 MERCURY MOUNTED ABOVE DOOR.
 - CONVEYOR OUTLETS SHALL BE 120 VOLT, 20 AMPS, SURFACE MOUNTED, HEAVY COVER PLATE, MOUNTED 20" A.F. HUBBELL NO. 5062 IN STEEL BOX WITH STEEL COVER PLATE, MOUNTED 20" A.F.
 - LIGHT SWITCHES SHALL BE 120 V, 20 AMPS SINGLE OR THREE WAY AS REQUIRED, SURFACE MOUNTED, HUBBELL NO. 1221 IN STEEL BOX WITH STEEL COVER PLATE, MOUNTED 4'-6" A.F.



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTH EAST MOTOR CONTROL BLDG., CABLE TRAY LIGHTING, EQUIPMENT, GROUNDING PLAN

DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
LICENSED IN ALA. NO. 175
DATE: 10/1/88

REVISIONS

DATE: APR 17, 1982

SCHEDULE CONTROL PANEL C7	
PANEL: SQUARE D	FEEDER: 3 #2/0 ALUMINUM
LOADS	WATTAGE: 150 AMPS
1	30-2 1/0 RACK
2	20-2 BELAY PANEL P7 CONTROL
3	20-2 CONVEYOR 12A (DRIVE A) CONTROL
4	20-2 CONVEYOR 15 (DRIVE A) CONTROL
5	20-2 CONVEYOR 16 (DRIVE A) CONTROL
6	20-2 CONVEYOR 17 (DRIVE A) CONTROL
7	20-2 CONVEYOR 18 (DRIVE A) CONTROL
8	20-2 CONVEYOR 19 (DRIVE A) CONTROL
9	20-2 CONVEYOR 20 (DRIVE A) CONTROL
10	20-2 CONVEYOR 12A SPACE HEATERS
11	20-2 CONVEYOR 15 SPACE HEATERS
12	20-2 CONVEYOR 16 SPACE HEATERS
13	20-2 CONVEYOR 17 SPACE HEATERS
14	20-2 CONVEYOR 18 SPACE HEATERS
15	20-2 CONVEYOR 19 DRIVE A-B SP. HEAT.
16	20-2 CONVEYOR 19 DRIVE C-D SP. HEAT.
17	20-2 CONVEYOR 20 DRIVE A-B SP. HEAT.
18	20-2 CONVEYOR 20 DRIVE C-D SP. HEAT.
19	20-1 SPARE
20	20-1 SPARE
21-42	SPACES

LOADS = 17000
WATTAGE = 78.7 AMPS
I = 240 X 0.3

BUILDING CONTRACTOR SHALL INSTALL A DISCONNECT SWITCH ON THE OUTSIDE OF THE AIRCONDITIONING UNIT BOTH THE HEATER AND THE AIRCONDITIONING UNIT.



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

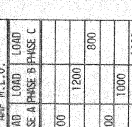
NORTH EAST MOTOR CONTROL BUILDING SCHEDULES & DETAILS

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
1000 W. W. B. BROADWAY, MOBILE, ALABAMA 36688
DATE: APR 17, 1982

MOTOR CONTROL CENTER M7	
FEEDER: 3 #4/0 ALUMINUM	TYPE: WESTINGHOUSE INC.
WATTAGE: 800 AMP	WIRE SIZE: 1/0
1	3-1/2 1/0 RACK
2	20-2 BELAY PANEL P7 CONTROL
3	20-2 CONVEYOR 12A (DRIVE A) CONTROL
4	20-2 CONVEYOR 15 (DRIVE A) CONTROL
5	20-2 CONVEYOR 16 (DRIVE A) CONTROL
6	20-2 CONVEYOR 17 (DRIVE A) CONTROL
7	20-2 CONVEYOR 18 (DRIVE A) CONTROL
8	20-2 CONVEYOR 19 (DRIVE A) CONTROL
9	20-2 CONVEYOR 20 (DRIVE A) CONTROL
10	20-2 CONVEYOR 12A SPACE HEATERS
11	20-2 CONVEYOR 15 SPACE HEATERS
12	20-2 CONVEYOR 16 SPACE HEATERS
13	20-2 CONVEYOR 17 SPACE HEATERS
14	20-2 CONVEYOR 18 SPACE HEATERS
15	20-2 CONVEYOR 19 DRIVE A-B SP. HEAT.
16	20-2 CONVEYOR 19 DRIVE C-D SP. HEAT.
17	20-2 CONVEYOR 20 DRIVE A-B SP. HEAT.
18	20-2 CONVEYOR 20 DRIVE C-D SP. HEAT.
19	20-1 SPARE
20	20-1 SPARE
21-42	SPACES

LOADS = 17000
WATTAGE = 78.7 AMPS
I = 240 X 0.3

BUILDING CONTRACTOR SHALL INSTALL A DISCONNECT SWITCH ON THE OUTSIDE OF THE AIRCONDITIONING UNIT BOTH THE HEATER AND THE AIRCONDITIONING UNIT.



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTH EAST MOTOR CONTROL BUILDING SCHEDULES & DETAILS

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
1000 W. W. B. BROADWAY, MOBILE, ALABAMA 36688
DATE: APR 17, 1982

SPACE	1	2	19	15	SPACE
INCOMING LINE	7	8	13	23	SPACE
CIRCUITS	24	30	480V	120-208	TRANSFORMER

MOTOR CONTROL CENTER M7
SCALE: NONE
* CONTRACTOR SHALL BE WESTINGHOUSE FIVE STAR OR APPROVED EQUIV.

* OWNER FURNISHED - CONTRACTOR INSTALLED

NUMBER	DESCRIPTION	CONTRACTOR
1	INCOMING LINE SECTION #160 VOLT	DISTRIBUTION
2	MCC MAIN CIRCUIT BREAKER	DISTRIBUTION
3	20-2 CONVEYOR CIRCUIT BREAKER	DISTRIBUTION
4	N.E. MCC CIRCUIT BREAKER	DISTRIBUTION
5	CARPUPPER CIRCUIT BREAKER	DISTRIBUTION
6	EAST MOTOR CONTROL BUILDING CIRCUIT BREAKER	DISTRIBUTION
7	SOUTH EAST MOTOR CONTROL BLDG. CIRCUIT BREAKER	DISTRIBUTION
8	INCOMING LINE SECTION FOR DOCK SECTION	DISTRIBUTION
9	DOCK MCC CIRCUIT BREAKER	DISTRIBUTION
10	N.E. TRANSFORMER CIRCUIT BREAKER	DISTRIBUTION
11	SHIELDPOLE CIRCUIT BREAKER	DISTRIBUTION
12	CONVEYOR DRIVE CONTROLLER (RESISTOR PANEL SECTION) CONVEYOR	DISTRIBUTION
13	CONVEYOR DRIVE CONTROLLER (SECONDARY PANEL SECTION) CONVEYOR	DISTRIBUTION
14	CONVEYOR DRIVE CONTROLLER (MOTOR CONTROL SYSTEM) CONVEYOR	DISTRIBUTION
15	CONVEYOR DRIVE CONTROLLER (MOTOR CONTROL SYSTEM) CONVEYOR	DISTRIBUTION
16	CONVEYOR DRIVE CONTROLLER (MOTOR CONTROL SYSTEM) CONVEYOR	DISTRIBUTION
17	23 KV/4160 VOLT 5000 KVA TRANSFORMER	DISTRIBUTION
18	4160/480 VOLT 750 KVA TRANSFORMER	DISTRIBUTION
19	480 VOLT CONTROL CENTER/LOAD CENTER	DISTRIBUTION
20	VIBRATORY FEEDER CONTROLLER	DISTRIBUTION
21	RTH SWITCHES CONTROL	DISTRIBUTION
22	TELEPHONE TERMINAL BOX	DISTRIBUTION
23	ANNUNCIATOR PANEL	DISTRIBUTION
24	RELAY PANEL	DISTRIBUTION
25	VENTILATION FAN	DISTRIBUTION
26	VENTILATION FAN	DISTRIBUTION
27	VENTILATION FAN	DISTRIBUTION
28	VENTILATION FAN	DISTRIBUTION
29	1750 KVA EMERGENCY GENERATOR	DISTRIBUTION
30	EMERGENCY GENERATOR RADIATOR FAN COMPARTMENT	DISTRIBUTION
31	EMERGENCY GENERATOR TRANSFER SWITCH	DISTRIBUTION
32	EMERGENCY GENERATOR CIRCUIT BREAKER	DISTRIBUTION
33	EMERGENCY GENERATOR 200 GALLON FUEL TANK	DISTRIBUTION
34	EMERGENCY GENERATOR 200 GALLON FUEL TANK	DISTRIBUTION
35	EMERGENCY GENERATOR 200 GALLON FUEL TANK	DISTRIBUTION
36	CABLE TRAY (2" TYPED)	DISTRIBUTION
37	25 KVA 1 Ø 480 V 120/240 3Ø/4-TYPE TRANSFORMER	DISTRIBUTION
38	CONTROL POWER PANEL BOUND	DISTRIBUTION

DATE: APR 17, 1982

CONDUIT & CABLE SCHEDULE	
CONDUIT SIZE	FROM
1" 3/4"	23 KV SWITCHGEAR
2" 3/4"	TRANSFORMER SECONDARY
3" 3/4"	TRANSFORMER SECONDARY
4" 3/4"	DOCK MCC
5" 3/4"	DOCK MCC
6" 3/4"	DOCK MCC
7" 3/4"	DOCK MCC
8" 3/4"	DOCK MCC
9" 3/4"	DOCK MCC
10" 3/4"	DOCK MCC
11" 3/4"	DOCK MCC
12" 3/4"	DOCK MCC
13" 3/4"	DOCK MCC
14" 3/4"	DOCK MCC
15" 3/4"	DOCK MCC
16" 3/4"	DOCK MCC
17" 3/4"	DOCK MCC
18" 3/4"	DOCK MCC
19" 3/4"	DOCK MCC
20" 3/4"	DOCK MCC
21" 3/4"	DOCK MCC
22" 3/4"	DOCK MCC
23" 3/4"	DOCK MCC
24" 3/4"	DOCK MCC
25" 3/4"	DOCK MCC
26" 3/4"	DOCK MCC
27" 3/4"	DOCK MCC
28" 3/4"	DOCK MCC
29" 3/4"	DOCK MCC
30" 3/4"	DOCK MCC
31" 3/4"	DOCK MCC
32" 3/4"	DOCK MCC
33" 3/4"	DOCK MCC
34" 3/4"	DOCK MCC
35" 3/4"	DOCK MCC
36" 3/4"	DOCK MCC
37" 3/4"	DOCK MCC
38" 3/4"	DOCK MCC
39" 3/4"	DOCK MCC
40" 3/4"	DOCK MCC
41" 3/4"	DOCK MCC
42" 3/4"	DOCK MCC
43" 3/4"	DOCK MCC
44" 3/4"	DOCK MCC
45" 3/4"	DOCK MCC
46" 3/4"	DOCK MCC
47" 3/4"	DOCK MCC
48" 3/4"	DOCK MCC
49" 3/4"	DOCK MCC
50" 3/4"	DOCK MCC
51" 3/4"	DOCK MCC
52" 3/4"	DOCK MCC
53" 3/4"	DOCK MCC
54" 3/4"	DOCK MCC
55" 3/4"	DOCK MCC
56" 3/4"	DOCK MCC
57" 3/4"	DOCK MCC
58" 3/4"	DOCK MCC
59" 3/4"	DOCK MCC
60" 3/4"	DOCK MCC
61" 3/4"	DOCK MCC
62" 3/4"	DOCK MCC
63" 3/4"	DOCK MCC
64" 3/4"	DOCK MCC
65" 3/4"	DOCK MCC
66" 3/4"	DOCK MCC
67" 3/4"	DOCK MCC
68" 3/4"	DOCK MCC
69" 3/4"	DOCK MCC

DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
1000 W. W. B. BROADWAY, MOBILE, ALABAMA 36688
DATE: APR 17, 1982

SPEC.	DATE	SHEET NO.	TOTAL SHEETS
175		E-3	

DWG. NO. 15-2725



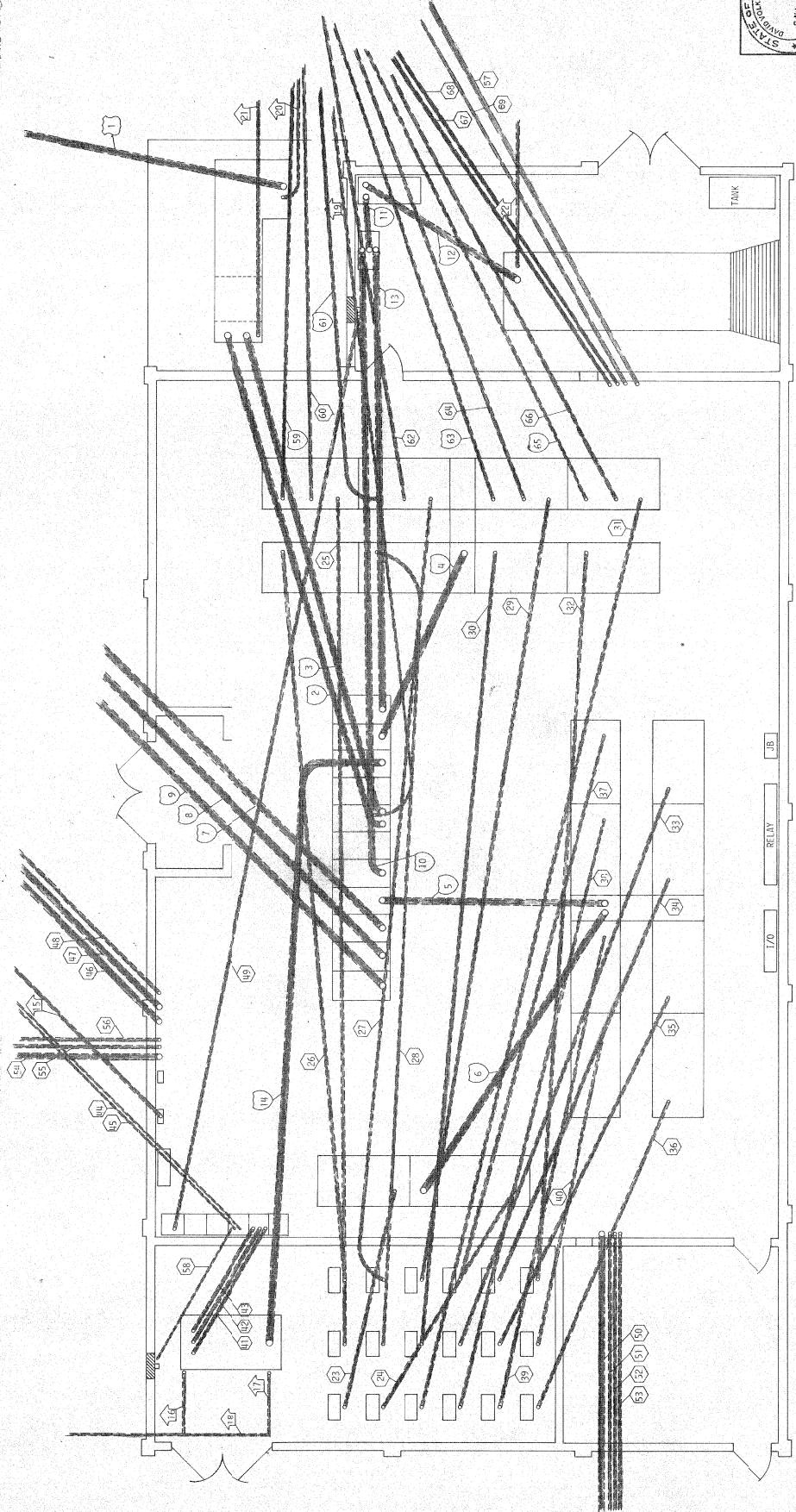
THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTH EAST MOTOR CONTROL BLDG.
CONDUIT & CABLE LAYOUT

DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS

DESIGNED BY: D. H. VOLKERT
CHECKED BY: R. C. HARRIS
DATE: APRIL 27, 1982

REVISIONS



- 1 23 KV FEEDER CIRCUIT
- 2 4160 FEEDER CIRCUIT
- 3 480 FEEDER CIRCUIT
- 4 COMMUNICATION & GROUNDING CIRCUIT

170 RELAY JB

TANK

REV. NO.	DESCRIPTION
4/25	EN

DWS-ND 198845

NUMBER	DESCRIPTION	CONTRACTOR TO FURNISH
1	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
2	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
3	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
4	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
5	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
6	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
7	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
8	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
9	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
10	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
11	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
12	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
13	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
14	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
15	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
16	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
17	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
18	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
19	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
20	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
21	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
22	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
23	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
24	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
25	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
26	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
27	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
28	WINDING LINE SECTION #160 VOLT	DISTRIBUTION
29	WINDING LINE SECTION #160 VOLT	DISTRIBUTION

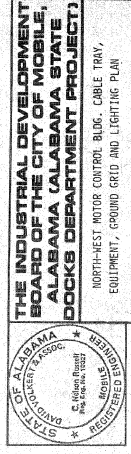
* OWNER FURNISHED - CONTRACTOR INSTALLED

GROUNDING NOTES:

- USE 1/2" RIGID PVC CONDUIT SLEEVE WHERE GROUNDING CONDUCTOR PENETRATES WALL.
- ALL GROUNDING CONDUCTORS SHALL BE 2/0 AWG BARE STRANDED COPPER.
- GROUND GRID SHALL BE INSTALLED IN THREE (3) FOOT TRENCH AT DISTANCE OF FIVE (5) FEET FROM BUILDING OR SLAB.
- ALL GROUNDING CONDUCTORS SHALL BE PROBABLY LEADED AND BEGROUNDED PRIOR TO ALL CONNECTIONS BEING MADE.
- ALL CONNECTIONS SHALL BE CADDLED.
- ALL GROUNDING CONDUCTOR INSTALLED IN TRENCH SHALL BE COATED WITH ASPHALTUM PRIOR TO INSTALLATION.

LEIGHTING & POWER NOTES:

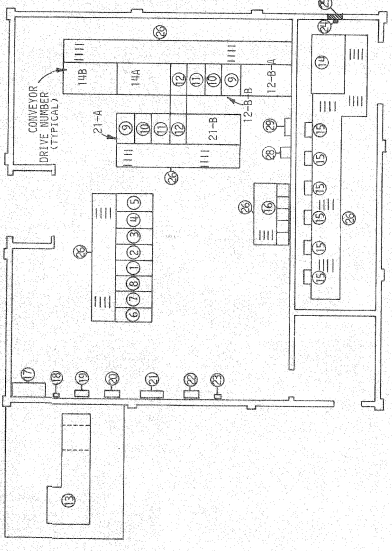
- LIGHT FIXTURE "A": VAPOR TIGHT FLUORESCENT MILLER NO: KD 2100-04.
- LIGHT FIXTURE "B": WATER TIGHT FLUORESCENT EMERGENCY BATTERY PACK, MILLER NO: KY 2300-01, OR MOUNTED ON WALL 7'-0" ABOVE FINISHED FLOOR.
- LIGHT FIXTURE "C": HOLOPHONE TYPE, WALL RICKETTE, 175 W MERCURY QUARTZ HALOGEN, MOUNTED ABOVE DOOR.
- CONVENIENCE OUTLETS: 20 AMP, SURFACE MOUNTED, HEAVY DUTY OR INDUSTRIAL SERVICE HUBBELL NO. 5262 IN STEEL BOX WITH STEEL COVER PLATE, MOUNTING HEIGHT 2'-0".
- LIGHT SWITCHES: SHALL BE 120 V, 20 AMP SINGLE OR THREE-WAY AS SPECIFIED. SURFACE MOUNTED, HUBBELL NO. 1221 IN STEEL BOX WITH STEEL COVER PLATE, MOUNTING HEIGHT 4'-0".



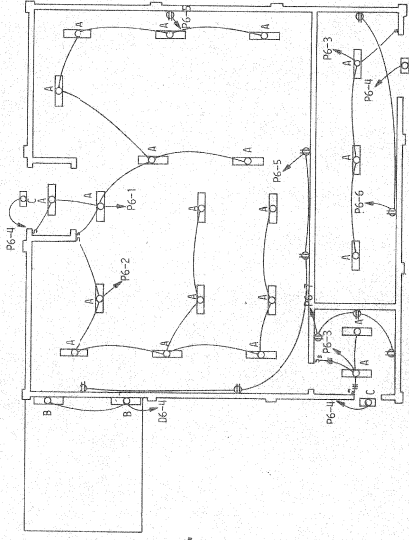
THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTHWEST MOTOR CONTROL BLDG. CABLE TRAY EQUIPMENT, GROUND GRID AND LIGHTING PLAN

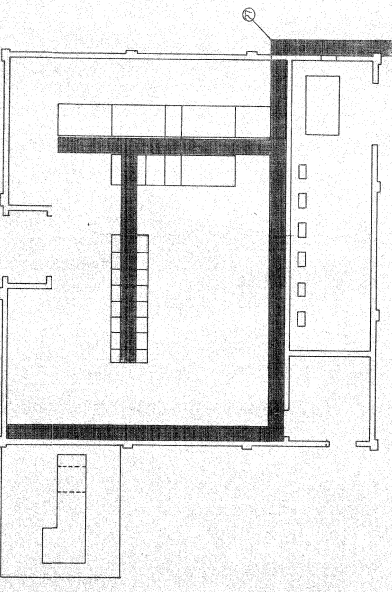
DESIGNED BY: D.V.	CHECKED BY: R.R.	DATE: APRIL 28, 1988
DRAWN BY: J.C.	CHECKED BY: J.C.	
PROJECT NO: 10518		



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

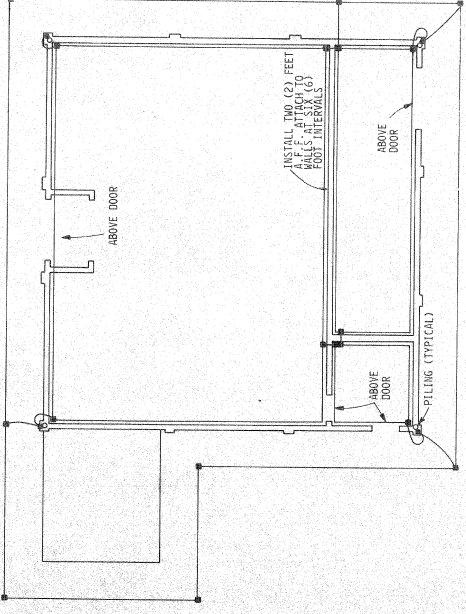


LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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

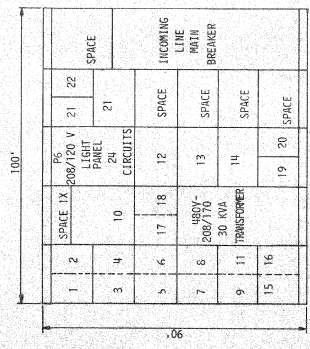
24" CABLE TRAY TO CONVEYOR NO. 14 (SEE SHEET NO. 261 FOR DETAILS). INSTALL TRAY ON OUTSIDE OF BUILDING.



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

SPEC. NO.	475
SHEET NO.	E-5

DATE: 11/20/82



MOTOR CONTROL CENTER #6 LAYOUT
SCALE: NONE

CONTROL CENTER SHALL BE "NESTINGHOUSE FIVE STAR" OR APPROVED EQUAL.

MOTOR CONTROL CENTER #6

NESTINGHOUSE CLASS: 1 0H 2

SERVICE: 277/480V 3Ø 4W

FEEDER: 3-250 MCM 120/208V 3Ø 4W

WATT: 600 AMPS

TRIP LOAD AMPS

CRT. NO.	DESCRIPTION	SIZE WIRE	POLE	TYPE	LOAD AMPS	TRIP LOAD AMPS
1	PANEL P 6	6	3	FB	10	14700
2	CONVEYOR 14 LIGHTING & TOWER T-9	6	2	FB	20	3502
3	CONVEYOR 12B LIGHTING	6	2	FB	20	3502
4	CONVEYOR 12A LIGHTING	6	2	FB	20	3502
5	TOWER 12 LIGHT OF CONVEYOR 12A	6	2	FB	10	1333
6	ROADWAY LIGHTS	8	2	FB	30	10,620
7	RAILROAD LIGHTS	2	2	FB	90	26,340
8	RAILROAD LIGHTS	2	2	FB	90	26,340
9	VIB. FEEDER PANEL 4X10 HP	2	3	FB	100	63,000
10	SALARY PUMPING STATION	1,0	3	FB	125	65,000
11	AUX. POWER STACKER RECLAIMER	4	3	FB	70	58,000
12	CONVEYOR 21 MAGNET BELT	10	3	4206-	20	9,500
13	CONVEYOR 21 FLOP GATE CONV. 21	12	3	4206-	20	12,500
14	HYDRAULIC UNIT FLOP GATE CONV. 21	12	3	4206-	20	10,000
15	AUX. STACKER/RECLAIMER #3 POWER	1,0	3	FB	100	58,000
16	AUX. CONVEYOR 12B POWER	6	3	FB	10	25,000
17	600V 3Ø POWER TRANSFORMER	0	3	FB	40	20,000
18	ELECTRICAL HOISTS TOWER 18	8	3	FB	30	20,850
19	ELECTRICAL HOISTS TOWER 19	8	3	FB	30	20,850
20	HYDRAULIC UNIT FLOPGATE CONV. 12B	10	3	4206-	20	10,000
20--22	SPARE	10	1	FB	20	47000

I = $\sqrt{3} \times 480 \times 0.9 = 628.3$ AMPS

SCHEDULE PANEL P 6

NESTINGHOUSE CLASS: 1 0H 2

SERVICE: 120/208V 3Ø 4W

FEEDER: 3-12 1-4H THM 100 AMP M.L.O.

WATT: 100 AMPS

CRT. NO.	DESCRIPTION	EQUIPMENT	LOCATION	LOAD	TRIP LOAD
1	20 1 3/4" 12	LIGHTS	EQUIPMENT ROOM	800	800
2	20 1 3/4" 12	LIGHTS	EQUIPMENT ROOM	800	800
3	20 1 3/4" 12	OUTSIDE LIGHTS	TRANSFORMER ROOM & OFFICE	600	500
4	20 1 3/4" 12	RECEPTACLES	EQUIPMENT ROOM	1000	1000
5	20 1 3/4" 12	RECEPTACLES	TRANSFORMER ROOM	1000	1000
6	20 1 3/4" 12	RECEPTACLES	OFFICE	1000	1000
7	20 1 3/4" 12	RECEPTACLES	TRANSFORMER ROOM	1000	1000
8	20 1 3/4" 12	VENTILATION FAN	TRANSFORMER ROOM	1000	1000
9	20 1 3/4" 12	BURNER TUBES	EQUIPMENT ROOM	1000	1000
10	20 1 3/4" 12	HEAT EXCHANGER	EQUIPMENT ROOM	1000	1000
11	20 1 3/4" 12	HEAT EXCHANGER	EQUIPMENT ROOM	1000	1000
12	20 1 3/4" 12	HEAT EXCHANGER	EQUIPMENT ROOM	1000	1000
13	20 1 3/4" 12	SPACES	CONVEYOR 21	1000	1000
14	20 1 3/4" 12	SPACES		1000	1000
15	20 1 3/4" 12	SPACES		1000	1000
16-20	20 1 3/4" 12	SPACES		4000	4800

TOTAL

I = $\sqrt{3} \times 208 \times 0.9 = 51$ AMPS

CONTROL POWER PANEL C6 SCHEDULE

FEEDER: 3 #1/0 1 #2

SERVICE: 120-240 V

WATT: 110 AMPS

CRT. NO.	DESCRIPTION	SIZE WIRE	POLE	TYPE	LOAD
1	30 2 3/4" 10	1/0	3	FB	4800
2	20 2 3/4" 12	RELY PANEL B6 CONTROL			1000
3	20 2 3/4" 12	CONVEYOR 21 (DRIVE A) CONTROL			1000
4	20 2 3/4" 12	CONVEYOR 14 (DRIVE A) CONTROL			1000
5	20 2 3/4" 12	CONVEYOR 12B (DRIVE A) CONTROL			1000
6	20 2 3/4" 12	CONVEYOR 21 SPACE HEATERS			1000
7	20 2 3/4" 12	CONVEYOR 14 SPACE HEATERS			1000
8	20 2 3/4" 12	CONVEYOR 12B SPACE HEATERS			1000
9	20 2	SPARE			1000
10	20 1	SPARE			1000
11-42		SPACES			11800

I = $\sqrt{3} \times 11800 = 54.62$ AMPS

- NOTES:
- CONTRACTOR SHALL INSTALL ALL ELECTRICAL EQUIPMENT AS SHOWN, UTILIZING THE CABLE TRAY WHERE POSSIBLE.
 - BUILDING CONTRACTOR SHALL NOT PERFORM THE FINAL CONNECTION AND TESTING OF ALL LIGHT AND RECEPTACLE CIRCUITS. UNTIL ALL EQUIPMENT HAS BEEN INSTALLED BY CONVEYOR CONTRACTOR AND ALL POWER SUPPLY CONNECTIONS HAVE BEEN MADE BY DISTRIBUTION CONTRACTOR.
 - CONTRACTOR SHALL INSTALL AND CONNECT SWITCH ON THE OUTSIDE OF THE BUILDING AND THE HEATER AND THE RECONDITIONING UNIT, FOR BOTH THE HEATER AND THE RECONDITIONING UNIT.



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTHWEST CONTROL BUILDINGS
PANEL SCHEDULES & DETAILS

DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS

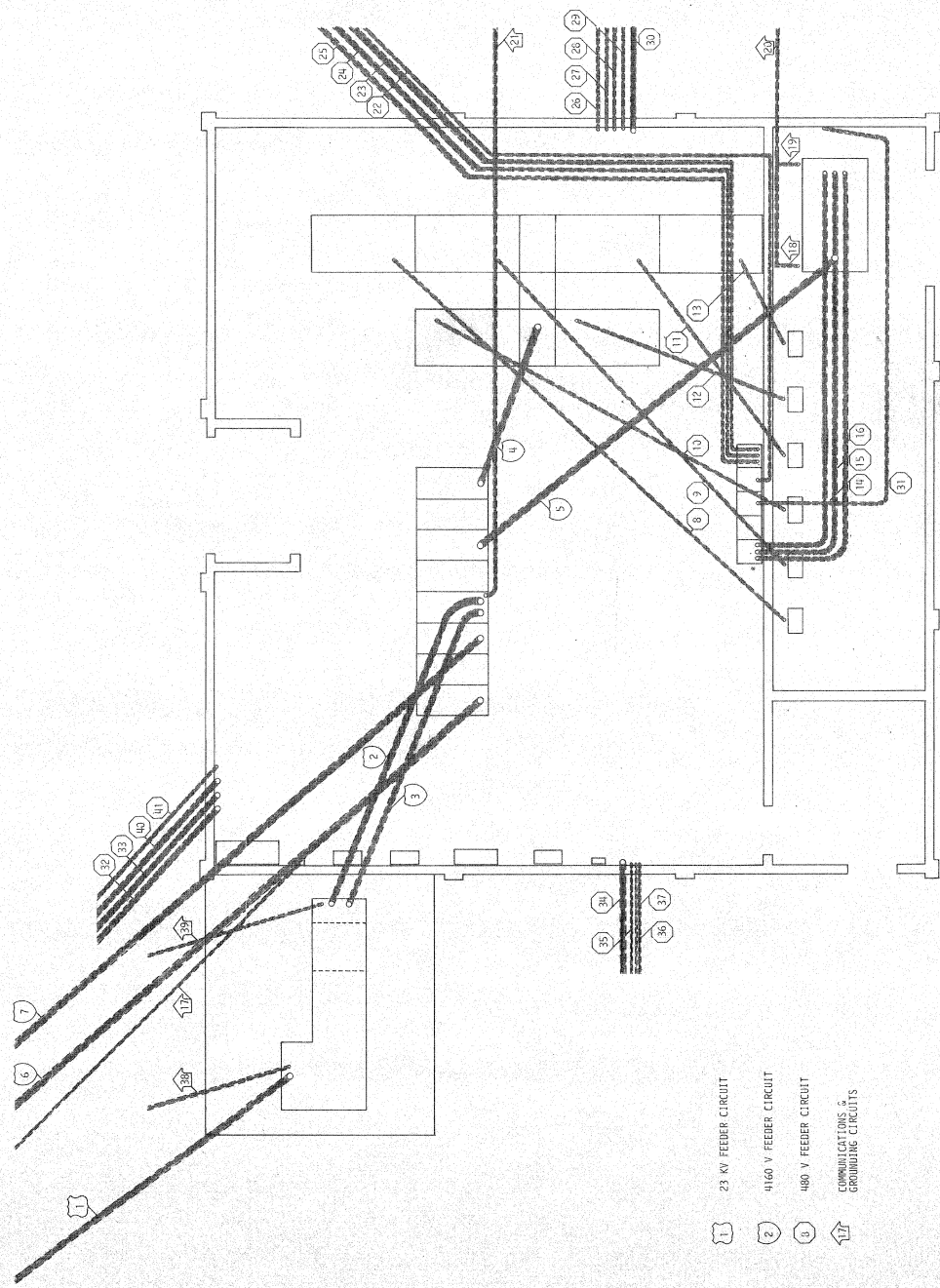
DESIGNED BY: D.V.	DATE: 11/20/82
CHECKED BY: D.V.	DATE: 11/20/82
IN CHARGE BY: D.V.	DATE: 11/20/82

REVISIONS

NORTH-WEST CONTROL BLDG.
 CABLE AND CONDUIT SCHEDULE

CONDUIT NO.	SIZE	CONDUCTOR	FROM	TO
1	5"	3-1/2 #2/0	23 KV SWITCHGEAR	WEST TRANSFORMER
2	1 1/2"	3-1/2 #2/0	WEST TRANSFORMER SECONDARY	INCOMING LINE SECTION
3	1 1/2"	3-1/2 #2/0	WEST TRANSFORMER SECONDARY	INCOMING LINE SECTION
4	1 1/2"	3-1/2 #2/0	WEST TRANSFORMER SECONDARY	INCOMING LINE SECTION
5	3/4"	3-1/2 #2/0	TRANSFORMER CB	TRANSFORMER PRIMARY
6	3/4"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
7	3/4"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
8	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
9	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
10	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
11	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
12	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
13	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
14	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
15	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
16	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
17	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
18	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
19	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
20	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
21	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
22	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
23	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
24	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
25	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
26	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
27	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
28	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
29	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
30	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
31	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
32	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
33	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
34	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
35	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
36	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
37	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
38	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
39	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
40	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.
41	1"	3-1/2 #2/0	WEST CONTROL BLDG. CB	WEST CONTROL BLDG.

* BUILDING CONTRACTOR SHALL FINISH AND INSTALL ALL CONDUITS AND STUB-UPS TO A POINT FIVE (5) FEET OUTSIDE CONTROL CENTER. CONVEYOR OR DISTRIBUTION CONTRACTOR SHALL THEN INSTALL ALL CONDUIT, DUCTBANK AND RISERS AS INDICATED ON PLANS.



- 1 23 KV FEEDER CIRCUIT
- 2 4160 V FEEDER CIRCUIT
- 3 480 V FEEDER CIRCUIT
- 4 COMMUNICATIONS & GROUNDING CIRCUITS

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTHWEST CONTROL BUILDING
 CONDUIT & CABLE LAYOUT

DAVID VOLBERT & ASSOCIATES
 CONSULTING ENGINEERS

DESIGNED: M.C.A. CHECKED: M.P.R.
 DETAILED: M.C.A. DRAWN: R.A.B.
 REGISTERED PROFESSIONAL ENGINEERS

DATE: APRIL 28, 1982

REVISIONS

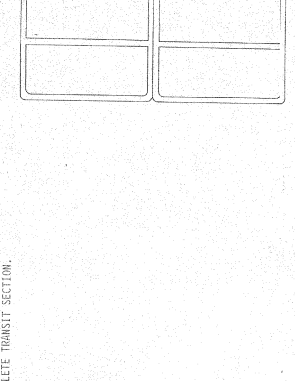
NO.	DESCRIPTION	DATE

SHEET NO.	175	E-7
PROJECT NO.	175	

THIS IS NOT TO BE USED FOR CONSTRUCTION

NORTHWEST MOTOR CONTROL BUILDING

TO BE USED BY CONTRACTOR



PLAN VIEW MULTI CABLE TRANSIT

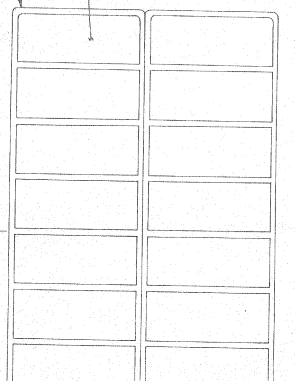
SCALE: 1/4" = 1'-0"

NOTES

A. MULTI CABLE TRANSIT SHALL BE USED IN BOTH THE NORTH-EAST AND THE NORTH-WEST CONTROL BUILDING. THE MCT SHALL BE AS SUPPLIED BY THE MANUFACTURER WITH CHANNEL ASSEMBLY FOR 8" TO 10" ELECTRIC CABLE. THE CONTRACTOR SHALL FURNISH THE FRAME AND CHANNEL ASSEMBLY TO THE CONTRACTOR. CONTRACTOR SHALL FURNISH THE END PACKING COMPRESSION PLATES AND BOLTS FOR ALL LINES. CONTRACTOR SHALL COMPLETELY FORM A WATER-TIGHT AND FIRE-PROOF PENETRATION THROUGH THE WALL IN THE SECTION DESIGNATED TO HIM. THE DISTRIBUTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE OVERALL FINISH OF THE COMPLETE TRANSIT SECTION.

NORTHEAST MOTOR CONTROL BUILDING

TO BE USED BY CONTRACTOR



PLAN VIEW MULTI CABLE TRANSIT

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



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

NORTH-EAST & NORTH-WEST MOTOR CONTROL BUILDING

CABLE TRANSIT DETAILS

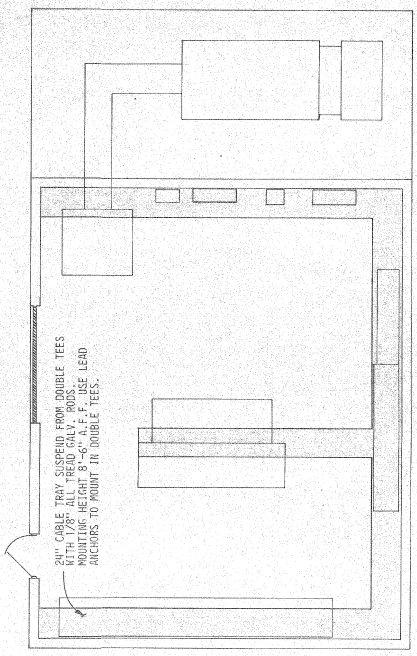
DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS

DESIGNED BY	D.V.	DATE	
CHECKED BY	J.C.E.	DATE	
APPROVED BY		DATE	

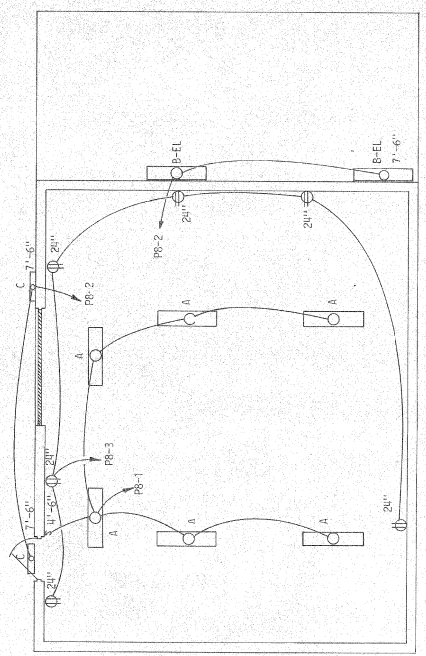
REVISIONS

NO.	DESCRIPTION
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SHEET NO.	475
REVISED	E-8

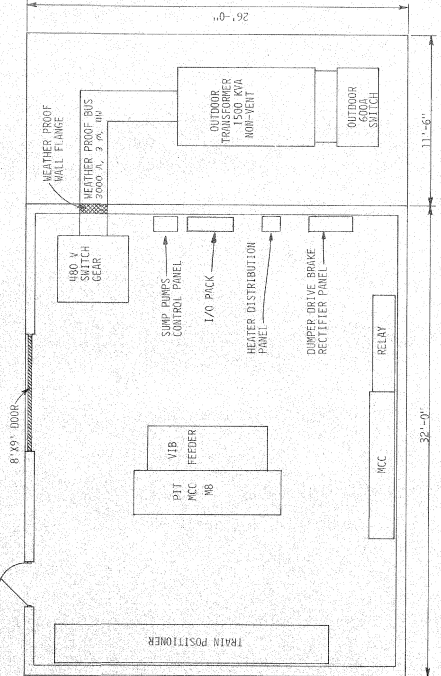


CABLE TRAY PLAN
SCALE: 1/4"=1'-0"



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

- NOTES:
- CONTRACTOR SHALL INSTALL "45" BOXES FOR EQUIPMENT AT HEIGHTS AND LOCATIONS AS INDICATED ON PLANS AND SUB CONDUIT UP THROUGH WALL TO BOX A.F.F., HERE
 - CONTRACTOR SHALL INSTALL LIGHT FIXTURES B, C AT LOCATIONS SHOWN.



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



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

- GROUNDING NOTES:
- USE 1" PVC CONDUIT SLEEVE WHERE GROUNDING CONDUCTOR PENETRATES WALLS OR SLABS.
 - ALL GROUNDING CONDUCTORS SHALL BE 2/0 AWG BARE STANDARD COPPER.
 - GROUND GRID SHALL BE INSTALLED IN THREE (3) FOOT TRENCH AT DISTANCE OF FIVE (5) FEET FROM WALLS OR SLAB.
 - CONTRACTOR SHALL BE THOROUGHLY CLEANED AND DEBURSED PRIOR TO CONNECTIONS BEING MADE.

- ALL CONNECTIONS SHALL BE CADWELD.
- ALL GROUNDING CONDUCTOR INSTALLED IN TRENCH SHALL BE COATED WITH ASPHALTUM PRIOR TO INSTALLATION.

THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

CARUMPER BUILDING EQUIPMENT AND CABLE TRAY LAYOUT

DAVID VOLKERT & ASSOCIATES
CONSULTING ENGINEERS

DESIGNED: R.C.A. DRAWN: N.G.A. TRACED: P.A.B.
CHECKED: J.C.C. APPROVED: J.C.E., E.I.T.

REVISIONS

INCOMING LINE SECTION	1	4	5	30 KVA 480/208 TRANS-FORMER
	2	8	9	
	3	SPARESPACE 10	11	120-208 PANEL
		12	13	20 CIRCUITS
SPACE		SPACE		SPACE

CARDUMPER CONTROL BLDG. MCC LAYOUT
SCALE: NONE

CONTROL CENTER SHALL BE WESTINGHOUSE "FIVE STAR OR APPROVED EQUAL

- NOTES:
- CONTRACTOR SHALL INSTALL ALL ELECTRICAL INSTALLATION AS SHOWN, UTILIZING THE CABLE TRAY WHERE POSSIBLE.
 - BUILDING CONTRACTOR SHALL NOT PERFORM THE FINAL CONNECTION AND TESTING OF ALL LIGHTS AND RECEPTACLE CIRCUITS, UNTILL ALL EQUIPMENT HAS BEEN INSTALLED BY THE CONVEYOR CONTRACTOR. CONNECTION HAVE BEEN MADE BY THE DISTRIBUTION CONTRACTOR.
 - BUILDING CONTRACTOR SHALL INSTALL A DISCONNECT SWITCH OVERCURRENT PROTECTION INSIDE THE UNIT TOP BOTH THE HEATER AND THE AIRCONDITIONING UNIT.

CARDUMPER BUILDING EQUIPMENT SCHEDULE

DESCRIPTION	FURNISHED BY OWNER	CONTRACTOR TO DISTRIBUTE
TRANSFORMER 1500 KVA OUTDOOR & 480 V SWITCHGEAR	OWNER	CONVEYOR
SUMP PUMPS CONTROL PANEL	OWNER	CONVEYOR
1/20 BUCK	OWNER	CARDUMPER
HEATER DISTRIBUTION PANEL	CARDUMPER	CARDUMPER
DUMPER DRIVE BRAKE RECTIFIER	CARDUMPER	CARDUMPER
RELAY PANEL	CARDUMPER	CARDUMPER
MCC	CARDUMPER	CARDUMPER
TRIPPOSITIONER CONTROL	CARDUMPER	CARDUMPER
PIT MOTOR CONTROL CENTER #8	CONVEYOR	CONVEYOR
VIBFEEDER PANEL	BUILDING	BUILDING
CABLE TRAY	BUILDING	BUILDING
GROUNDING GRID	BUILDING	BUILDING
LIGHTS & RECEPTACLES AND AIRCONDITION	BUILDING	BUILDING

* OWNER FURNISHED. CONVEYOR CONTRACTOR SHALL INSTALL.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	NO	TYPE	MOUNTING	REMARKS
A	MILLER	502100-00	2	40/RS	ON BAR JOIST	
BEL	MILLER	502300-01-00	2	40/RS	ON WALL 9' 7"-6" AT TRIP BLOCK	
C	HOLOPHANE	WALLPACK	1	150 HPS	ON WALL 4' 7"-6"	

LIGHTING & POWER NOTES:

- LIGHT FIXTURE "A": VAPOR FLUORESCENT MILLER NO. 50 2100-00, 2-40 WARS, MOUNTED ON BAR JOIST.
- LIGHT FIXTURE "B": WATER TIGHT FLUORESCENT WITH EMERGENCY BATTERY 71-00 MILLER WALL PACK 5000-01-04 MOUNTED ON WALL ABOVE FLOOR.
- LIGHT FIXTURE "C": HOLOPHANE TYPE: WALL PACKETTE 175 MERCURY MOUNTED ABOVE DOOR.
- CONVEYOR OUTLETS SHALL BE 120 VOLT, 20 AMPS, SURFACE MOUNTED, HENRY DUTY FOR INDUSTRIAL SERVICE. HOBBEILL NO. 5262 IN STEEL BOX WITH STEEL COVER PLATE. MOUNTED 24" A.F.F.
- LIGHT SWITCHES SHALL BE 120 V, 20 AMPS SINGLE OR THREE WAY AS REQUIRED. SURFACE MOUNTED. HOBBEILL NO. 1221 IN STEEL BOX WITH STEEL COVER PLATE. MOUNTED 4'-6" A.F.F.

SPEC. NO.	175
SHEET NO.	E-9

DWG. NO. 24-R-275

SCHEDULE LOAD CENTER #8

WPL: WESTINGHOUSE	TYPE: FIVE STAR	DESCRIPTION	WIRE SIZE	NO. POLES	TRIP TYPE	LOAD AMPS	WPL: WESTINGHOUSE - MC
		CONVEYOR #22 STARTER	2/0	3	A206-4	120	70000
		CONVEYOR #23 STARTER	2/0	3	A206-4	120	67000
		VIB. FEEDER PANEL FEEDER	2/0	3	K8	150	67000
		SUMP PUMP PANEL FEEDER	2	3	FB	85	53550
		WELDING RECEPTACLE	4	3	FB	60	20000
		CONVEYOR 16 & TONER T11 LIGHTS	12	1	FB	20	2786
		30 KVA TRANSFORMER FEEDER	6	3	FB	45	4298
		ELECTRICAL HOISTS CARDUMPER PITS (OVER T1)	4	3	FB	60	10075
		HOIST CARDUMPER UTILITY SHIFTS	12	2	FB	20	10475
		LIGHTS CARDUMPER PIT	12	2	FB	20	1393
		LIGHTS CARDUMPER PIT	12	2	FB	20	1194
		LIGHTS STAIRWAY CARDUMPER PIT	12	2	FB	20	1791
		1/20 RACK TRANSFORMER	12	2	FB	15	5000
		AIRCONDITION UNIT	10	3	FB	30	16625
							322687

I = 322687
V²/388000.9 = 440.07 AMPS

SCHEDULE PANEL #8

PANEL: WESTINGHOUSE C3-C5	TYPE: RECESSED	DESCRIPTION	EQUIPMENT	LOCATION	LOAD AMPS	WPL: WESTINGHOUSE - MC
		NO. 1/20 RACK TRANSFORMER	LIGHTS	CARDUMPER MCC BLDG.	600	
		20 1 3/4" 12	LIGHTS	CARDUMPER MCC BLDG.	598	
		20 1 3/4" 12	OUTSIDE LIGHTS	CARDUMPER MCC BLDG.	1000	
		3 20 1 3/4" 12	RECEPTACLES	CARDUMPER PIT	1000	
		4 20 1 3/4" 12	RECEPTACLES	CARDUMPER PIT	1000	
		5 20 1 3/4" 12	RECEPTACLES	CARDUMPER MCC BLDG.	1000	
		6 20 1 3/4" 12	EMERGENCY LIGHT	CARDUMPER MCC BLDG.	1000	
		7 20 1 3/4" 12	SPARE	CARDUMPER MCC BLDG.	1000	
		8 20 1 3/4" 12	SPARE	STAIRWAY CARDUMPER PIT	1314	
		9 20 1 3/4" 12	SPARE			
		10 20 1 3/4" 12	SPACES			
		11-24				
						1600
						1598
						1100
						4298
						13.25 AMPS

I = 13.25 AMPS
V²/388000.9 = 440.07 AMPS



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STABLE DOCKS DEPARTMENT PROJECT)

ELECTRICAL DETAIL CARDUMPER MOTOR CONTROL CENTER
DAVID VOLANT & ASSOCIATES CONSULTING ENGINEERS
DESIGNED BY: D.V. A. A. A.
CHECKED BY: D.V. A. A. A.
DATE: APRIL 27, 1988

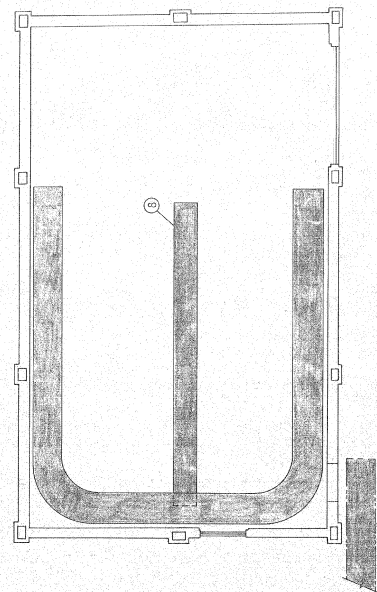
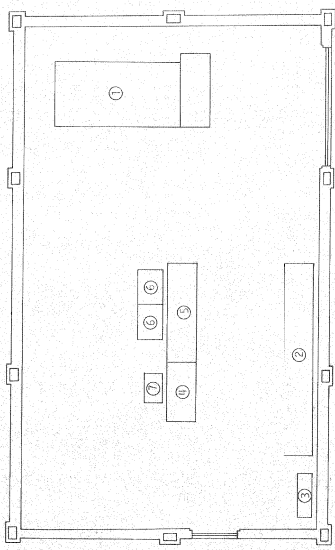
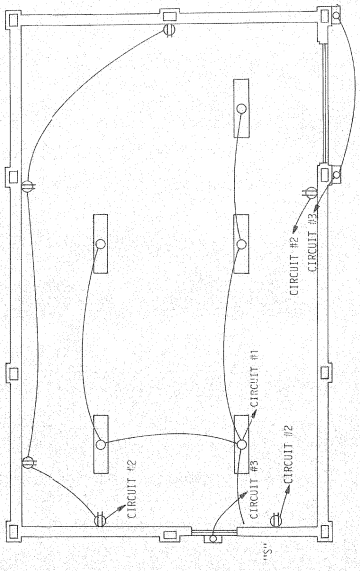
DESIGNED BY:	D.V. A. A. A.	TRACED BY:	D.V. A. A. A.
CHECKED BY:	D.V. A. A. A.	CHECKED BY:	D.V. A. A. A.
DATE:	APRIL 27, 1988	REVISIONS:	

- LIGHTING & POWER NOTES:
1. LIGHT FIXTURE "A" - VARIO FLUORESCENT MILLER NO. 40 1200-40L 2-40 W/RS, MOUNTED ON BAR JOIST.
 2. LIGHT FIXTURE "B" - HOLOPHANE TYPE - HALL PACKETTE 175 MERCURY MOUNTED ABOVE DOOR.
 3. CONVEIENICE OUTLETS SHALL BE 120 VOLT, 20 AMPS, SURFACE MOUNTED, HEAVY DUTY FOR INDUSTRIAL SERVICE, HUBBELL NO. 5262 IN STEEL BOX WITH STEEL COVER PLATE. MOUNTED 24" A.F.F.
 4. LIGHT SWITCHES SHALL BE 120 V, 20 AMPS SINGLE OR THREE WAY AS REQUIRED, SURFACE MOUNTED, HUBBELL NO. 1221 IN STEEL BOX WITH STEEL COVER PLATE. MOUNTED 4'-6" A.F.F.
 5. CIRCUIT #1-2-3 ARE SPARE 20 AMPS - 1 POLE BREAKERS LOCATED IN THE MOTOR CONTROL CENTER.

BARGE UNLOADER CONTROL BUILDING EQUIPMENT SCHEDULE

NUMBER	DESCRIPTION	CONTRACTOR TO FURNISH
1	750 KVA SUBSTATION	BARGE UNLOADER
2	MOTOR CONTROL CENTER	BARGE UNLOADER
3	RELAY LOGIC PANEL	BARGE UNLOADER
4	TROLLEY CONTROLLER	BARGE UNLOADER
5	BARGE HAUL CONTROLLER	BARGE UNLOADER
6	BARGE HAUL CONTROLLER ISOLATION TRANSFORMERS	BARGE UNLOADER
7	TROLLEY CONTROLLER ISOLATION TRANSFORMERS	BARGE UNLOADER
8	CABLE TRAY	BARGE UNLOADER
9	LIGHTS & RECEPTACLES F. AIRCONDITIONING	BUILDING

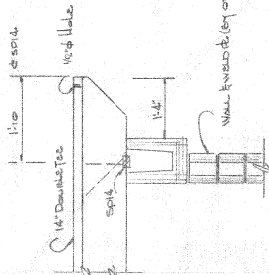
- NOTES:
1. BUILDING CONTRACTOR SHALL NOT PERFORM FINAL CONNECTION AND TESTING OF ALL LIGHTS AND RECEPTACLE CIRCUITS, UNTIL ALL EQUIPMENT HAS BEEN INSTALLED AND ACCEPTED BY THE BARGE UNLOADER CONTRACTOR. ALL POWER SUPPLY CONNECTIONS HAVE BEEN MADE BY THE BARGE UNLOADER CONTRACTOR.
 2. CONTRACTOR SHALL INSTALL A 3 POLE-30AMP BREAKER IN THE MOTOR CONTROL CENTER TO FEED THE AIR-CONDITION UNIT.
 3. BUILDING CONTRACTOR SHALL INSTALL A DISCONNECT SWITCH ON THE OUTSIDE OF THE AIR-CONDITIONING UNIT AND OVERCURRENT PROTECTION INSIDE THE UNIT FOR BOTH THE HEATER AND THE AIRCONDITIONING.
 4. SEE MECH. DRAWINGS FOR DETAILS AND LOCATION OF THE AIRCONDITIONING UNIT.



THE INDUSTRIAL DEVELOPMENT BOARD OF THE CITY OF MOBILE, ALABAMA (ALABAMA STATE DOCKS DEPARTMENT PROJECT)

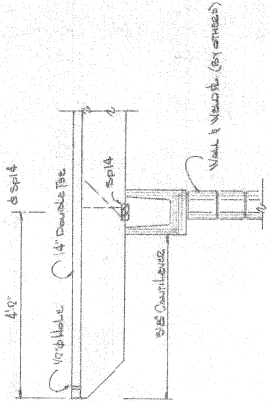
DAVID VOLKERT & ASSOCIATES CONSULTING ENGINEERS
 CONTROL BUILDING
 BARGE UNLOADER
 DESIGNED: M.C.L. DRAWN: M.C.L.
 CHECKED: M.C.L. DATE: _____

REVISIONS

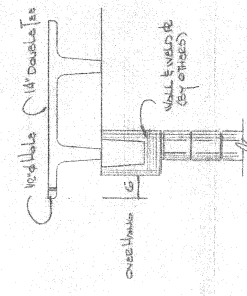


Section B

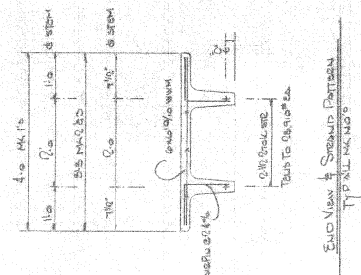
DAVID VOLKERT & ASSOCIATES	
Prepared by: [Signature]	Checked by: [Signature]
Approved for: [Signature]	Approved as: [Signature]
Revised: [Signature]	Date: 3/7/82
APPROVED FOR THE CONTRACTOR ON BEHALF OF THE ARCHITECT CONTRACTOR'S RESPONSIBILITY IS LIMITED TO THE WORK DESCRIBED IN THIS SET OF DRAWINGS AND TO THE WORK CONDITIONS AND JOB CONDITIONS	



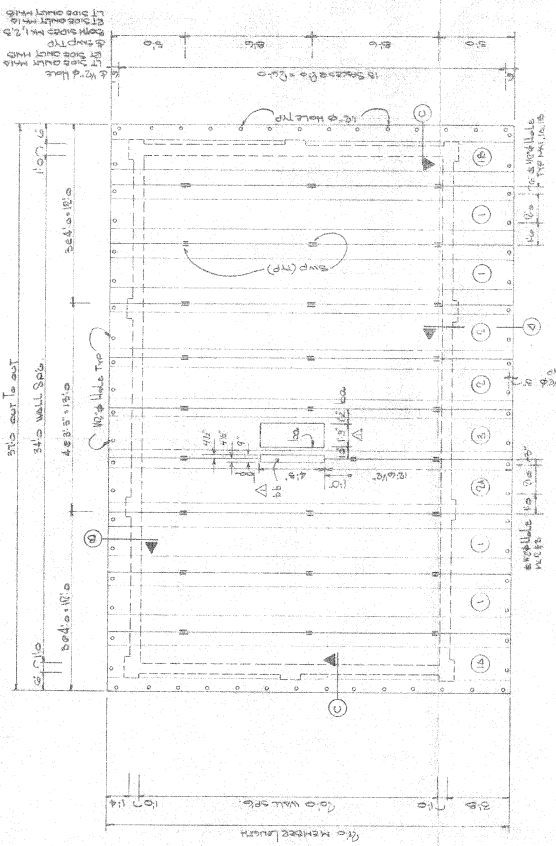
Section A



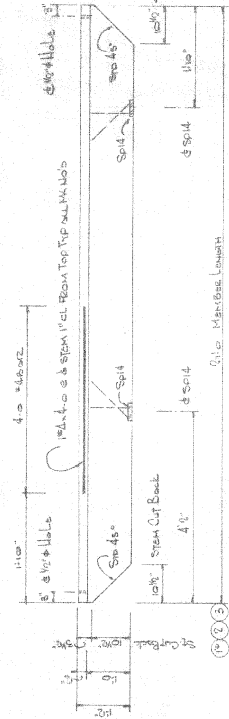
Section C



End View of Sounding Pattern
TOP MILL NUMBER



Roof Framing Plan 1/4\"/>



Member Detail

FRAGILE MATERIAL
 THESE LAMBS IS CRITICAL. SHEET MUST BE
 HANDLED WITH CARE AS SHEET
 THIS SHEETS MUST HAVE PROPER SUPPORT

5/14 STEEL DECK 1/4\"/>
 5/14 STEEL DECK 1/4\"/>
 5/14 STEEL DECK 1/4\"/>

General Notes

1. General Contractor shall fabricate and install ALL CHANGES TO THE ORIGINAL DESIGN TO BE MADE BY OTHERS - SEE PROJECT'S FAB TYPING
2. Check Structural Steel for 5000 PSI MINIMUM STRENGTH
3. Release Strength 4000 PSI MIN
4. Top Finish Steel Be New Roof - Steel Bevel

MAY 6 1982

FOR JOB USE

440 244

STRUCTURAL MACHINE INC. Mobile, ALABAMA	DATE: 4/1/82	PROJECT: [Signature]
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	APPROVED BY: [Signature]
SCALE: 1/4\"/>	DATE: 4/1/82	PROJECT: [Signature]
DESIGNED BY: [Signature]	CHECKED BY: [Signature]	APPROVED BY: [Signature]

APPROVED FOR THE CONTRACTOR ON BEHALF OF THE ARCHITECT