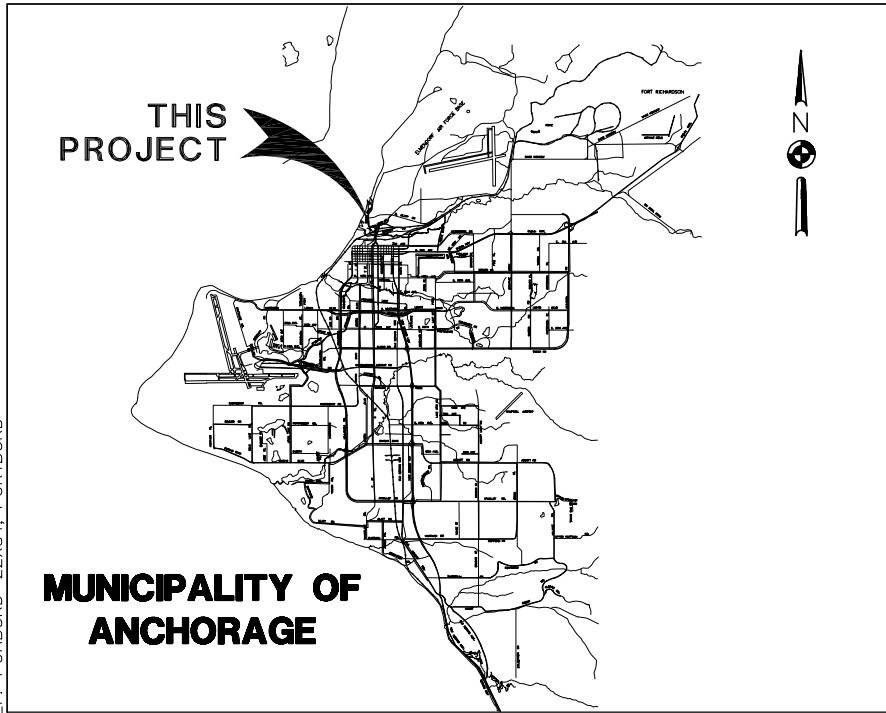
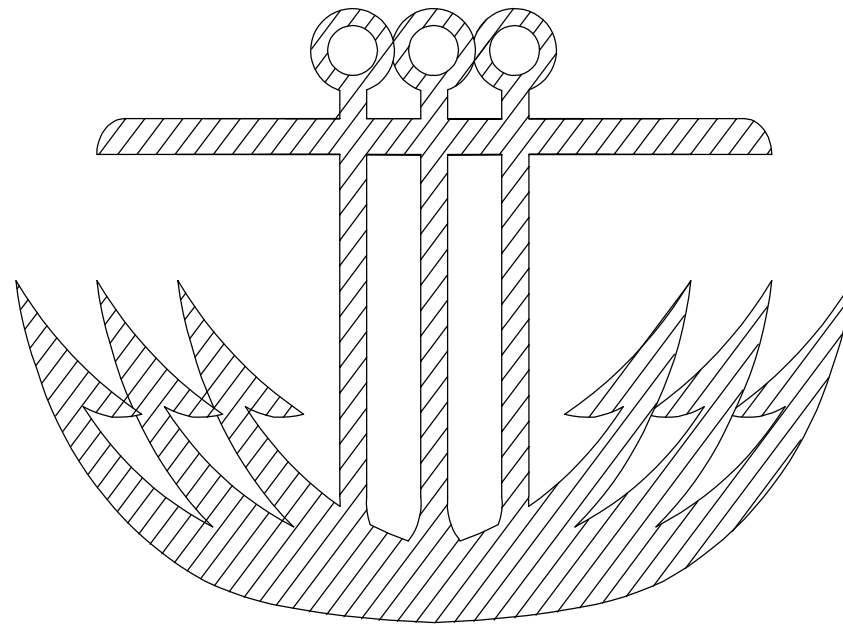


project.04\041512\WARM BLDG PERMIT\041512-T01-WSB, 1=1, 09/10/04\DWG: 10029\FB\0765, C02_F_D1055, C02_H_L5000 XREF: POABORD-22X34, PORTBORD

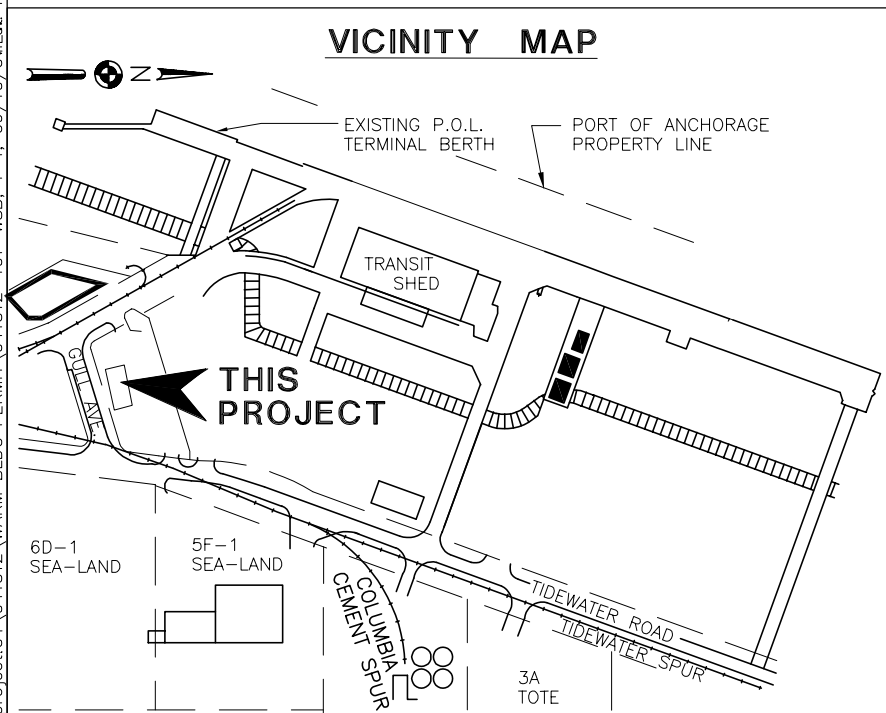
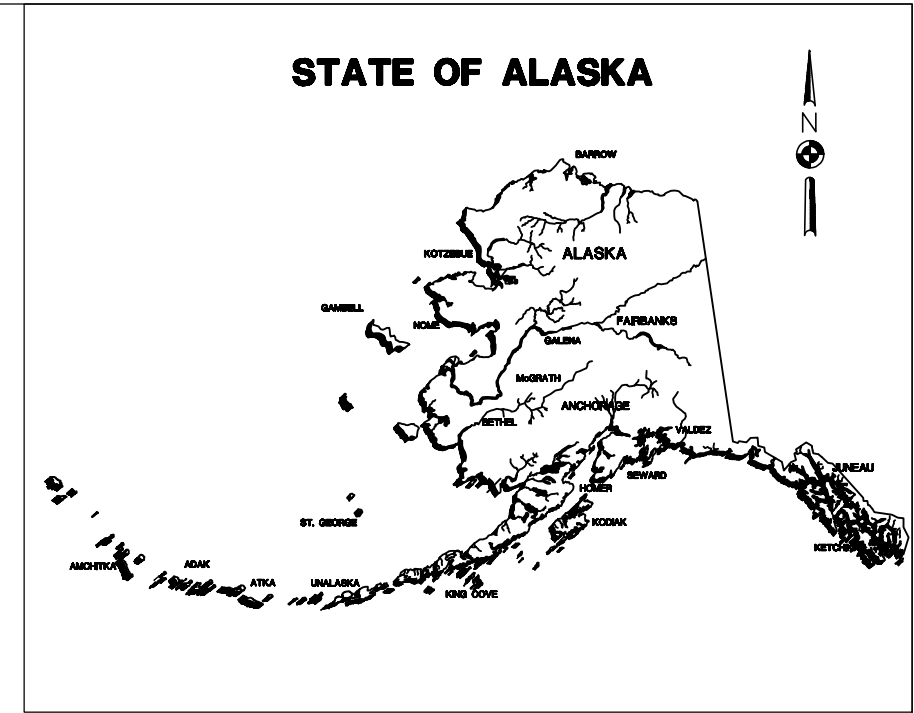


MUNICIPALITY OF ANCHORAGE PORT OF ANCHORAGE WARM STORAGE BLDG SECURITY SCREENING BLDG (FABRIC STRUCTURE)

2004

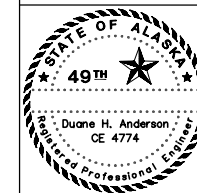


R&M CONSULTANTS, INC.



SHEET INDEX

T-001	TITLE, INDEX, & VICINITY MAP
C-000	PLOT PLAN - WARM STORAGE BUILDING
C-001.1	CIVIL SITE PLAN - WARM STORAGE BLDG
C-001.2	CIVIL SITE PLAN - SECURITY SCREENING BLDG
A-001	WARM STORAGE BLDG FLOOR PLAN AND SECTION
A-002	SECURITY SCREENING FLOOR PLAN AND SECTION
M-001	MECH SITE PLAN, LEGEND, ABBREV & SCHEDULES
M-002	MECHANICAL VENTILATION PLAN & DETAILS
E-001	ELECTRICAL SITE PLANS
E-002	ELECTRICAL PLAN
E-003	ELECTRICAL SCHEDULES AND ONE LINE DIAGRAM
E-004	SECURITY SCREENING ELECTRIC PLAN & DETAILS



PORT OF ANCHORAGE
FABRIC STRUCTURES
MUNICIPALITY OF ANCHORAGE

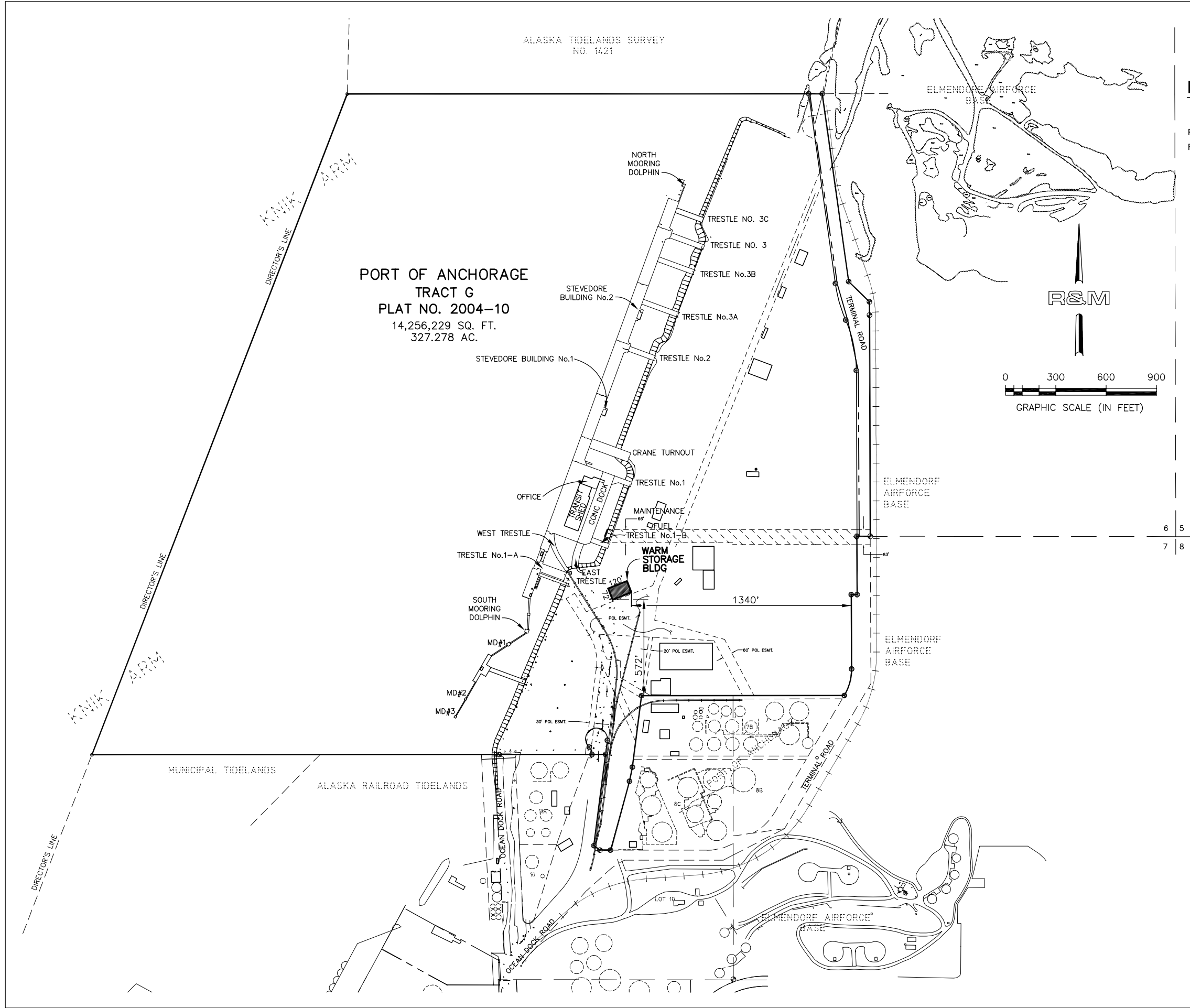


RM PROJ. NO.: **041512**
DESIGNED BY: **DHA**
DRAWN BY: **PMH**
CHECKED BY: **DHA**

COVER SHEET

SCALE: **N.A.**
DATE: **JAN 18, 2005**
DWG. NO.: **T-001**

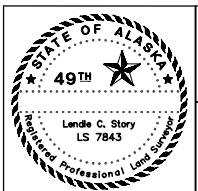
Project:04\041512\WARM BLDG PERMIT\041512-C000-W5B_1=300, 01/05/05 at 15:28 by mka VIEW: P01_F_D0755, P01_F_D1055 XREF: COPY OF PLAT\00B-SHEET 3_2000, DUANESIG, POABORD-22X34



NOTES

REFER TO RECORD PLAT NO. 2004-10 A.R.D., PORT OF ANCHORAGE, TRACT "G" FOR THE DETAILED PROPERTY BOUNDARY AND EASEMENT INFORMATION.

6 5
7 8



PORT OF ANCHORAGE
FABRIC STRUCTURES
MUNICIPALITY OF ANCHORAGE

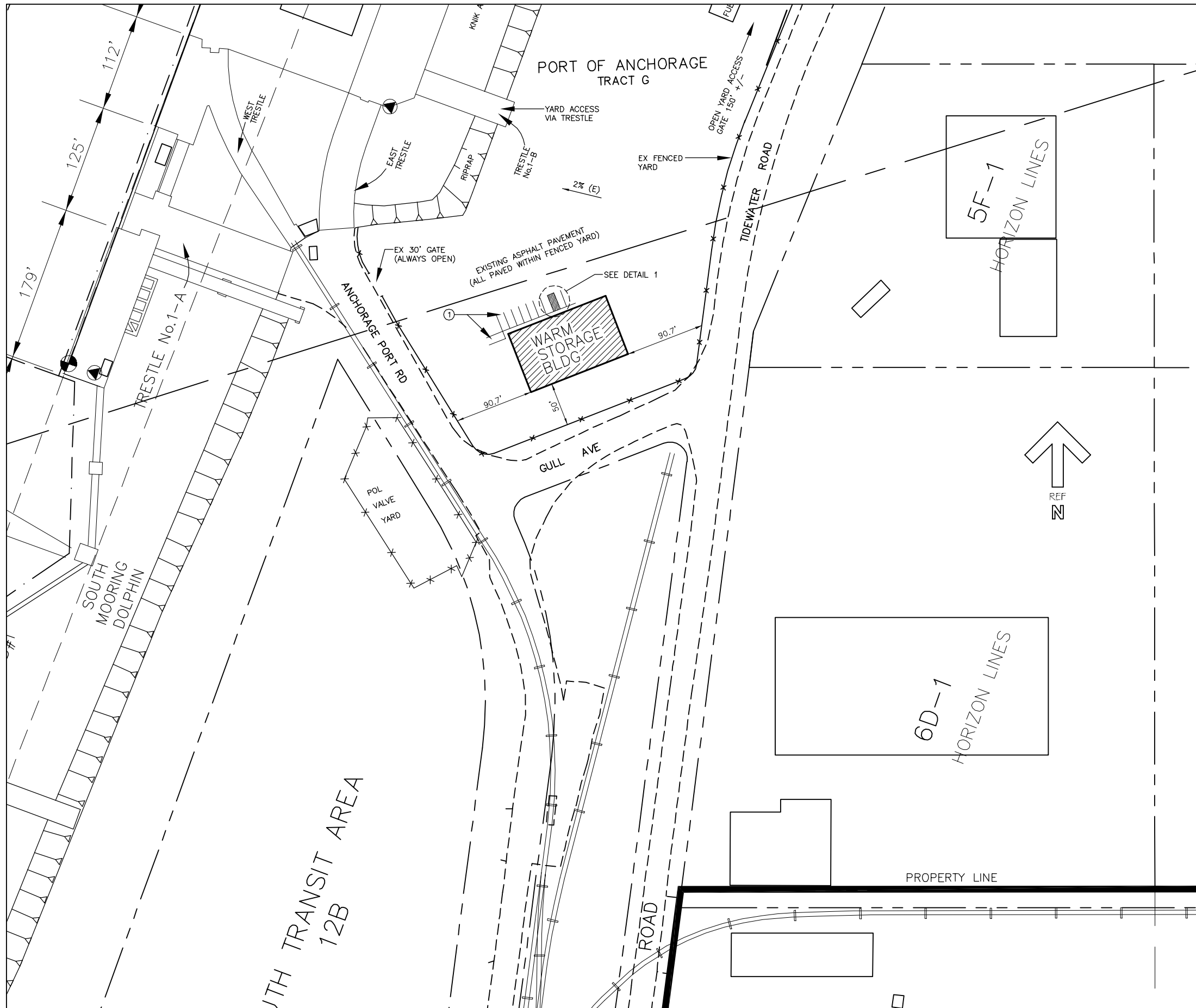


RM PROJ. NO.: **041512**
DESIGNED BY: **DHA**
DRAWN BY: **MKA**
CHECKED BY: **LCS**

PLOT PLAN
WARM STORAGE BUILDING
LOCATED WITHIN
PORT OF ANCHORAGE
TRACT G
PLAT NO. 2004-10, A.R.D.

SCALE: **AS SHOWN**
DATE: **DEC 29, 2004**
DWG. NO.: **C-000**

project:04\041512\civil\041512-C001-WSB, 1=96, 02/10/05 at 12:09 by pmh



NOTES:

GENERAL

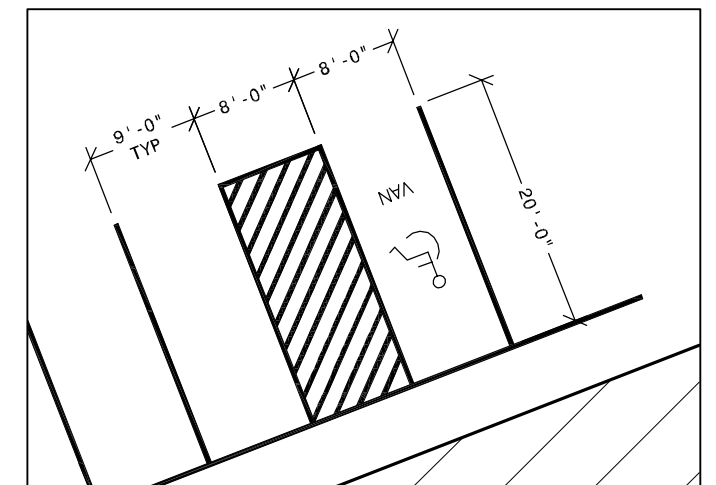
THE PURPOSE OF THE WARM STORAGE BUILDING (FABRIC STRUCTURE) IS TO PROVIDE NOMINALLY HEATED SHELTER FOR THE WINTER STORAGE OF SAND AND DEISEL POWERED MAINTENANCE EQUIPMENT. THE PORT USES SAND IN THE WINTER TO PROVIDE ROAD TRACTION FOR SHIP LOADING/UNLOADING ACTIVITIES. THE PORT TRADITIONALLY HAS STORED THIS SAND WITHIN THE TRANSIT SHED. (DUE TO USE ON THE CONCRETE DOCKS, SAND CANNOT CONTAIN CHEMICALS THAT WOULD CAUSE CORROSION, UNTREATED SAND MUST THEREFOR BE KEPT ABOVE FREEZING.) THE TRANSIT SHED IS NO LONGER AVAILABLE FOR THIS PURPOSE.

LEGAL DESCRIPTION

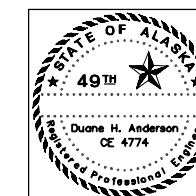
LOCATED WITHIN TRACT 'G' OF THE PORT OF ANCHORAGE SUBDIVISION, PLAT NO. 2004-10.

DRAWING

- ① (8) 9'x20' PARKING SPACES PLUS (1) VAN ACCESSIBLE SPACE. IDENTIFY VAN ACCESSIBLE SPACE WITH STANDARD SIGNS ATTACHED TO SIDE OF STRUCTURE.



① VAN PARKING DETAIL NTS

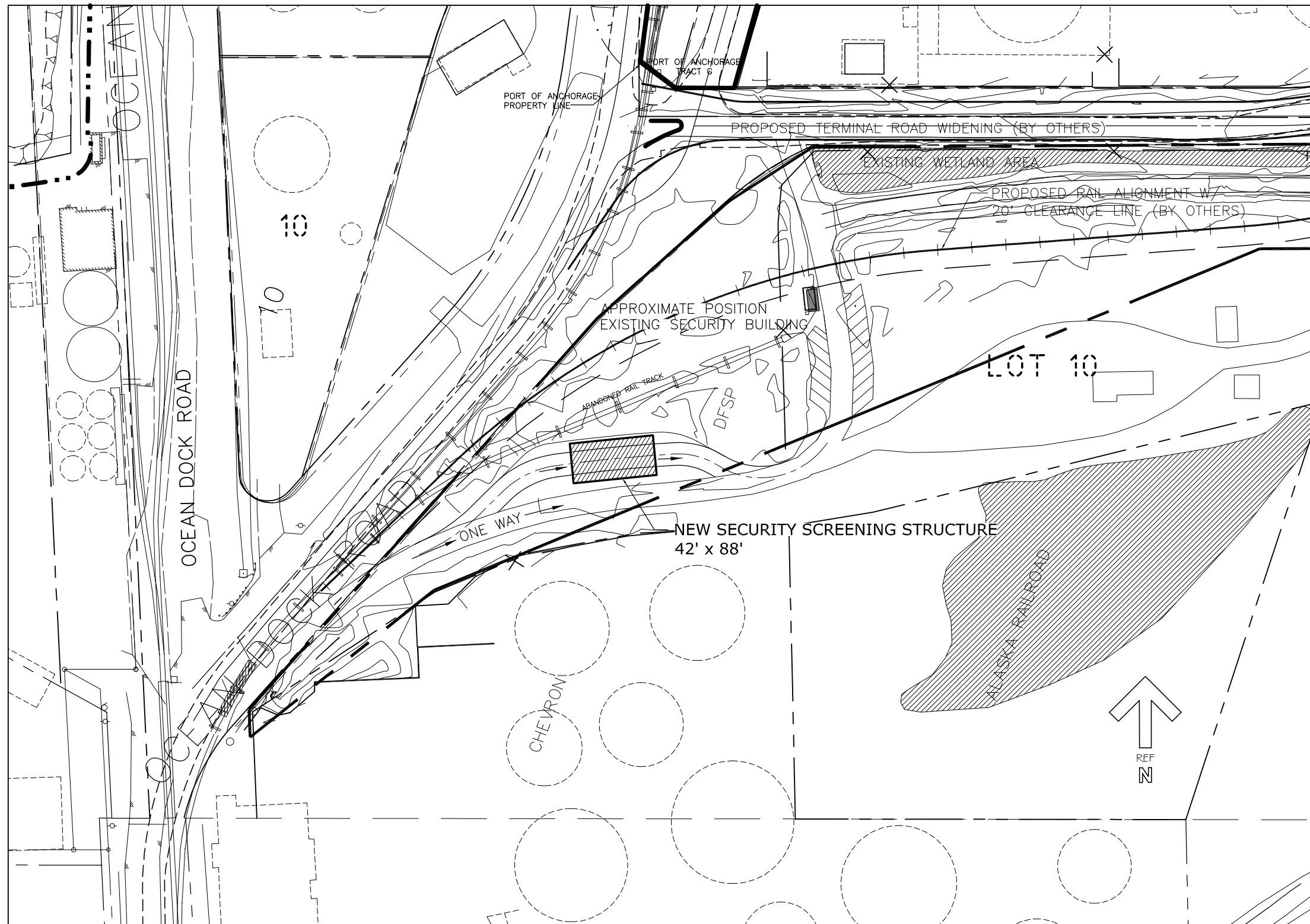


PORT OF ANCHORAGE
FABRIC STRUCTURES
 MUNICIPALITY OF ANCHORAGE
R&M
R&M CONSULTANTS, INC.
 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
 PH: (907) 522-1707, FAX: (907) 522-3403

RM PROJ. NO.: **041512**
 DESIGNED BY: **DHA**
 DRAWN BY: **PMH**
 CHECKED BY: **DHA**

WARM STORAGE BUILDING
CIVIL SITE PLAN
 SCALE: **1" = 60'-0"**
 DATE: **Jan 18, 2005**
 DWG. NO.: **C-001.1**

project\04\041512\Security Bldg_Permit\041512-C001e-SBP_1=96_12/14/04 at 15:30 by mka



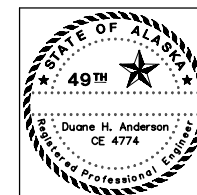
NOTES:

GENERAL

THE SECURITY SCREENING STRUCTURE IS TO BE AN UNOCCUPIED SHELTER FOR THE RANDOM SECURITY SCREENING REQUIREMENTS OF THE PORT.

LEGAL DESCRIPTION

LOCATED WITHIN TRACT "G" OF THE PORT OF ANCHORAGE SUBDIVISION, PLAT NO. 2004-10.



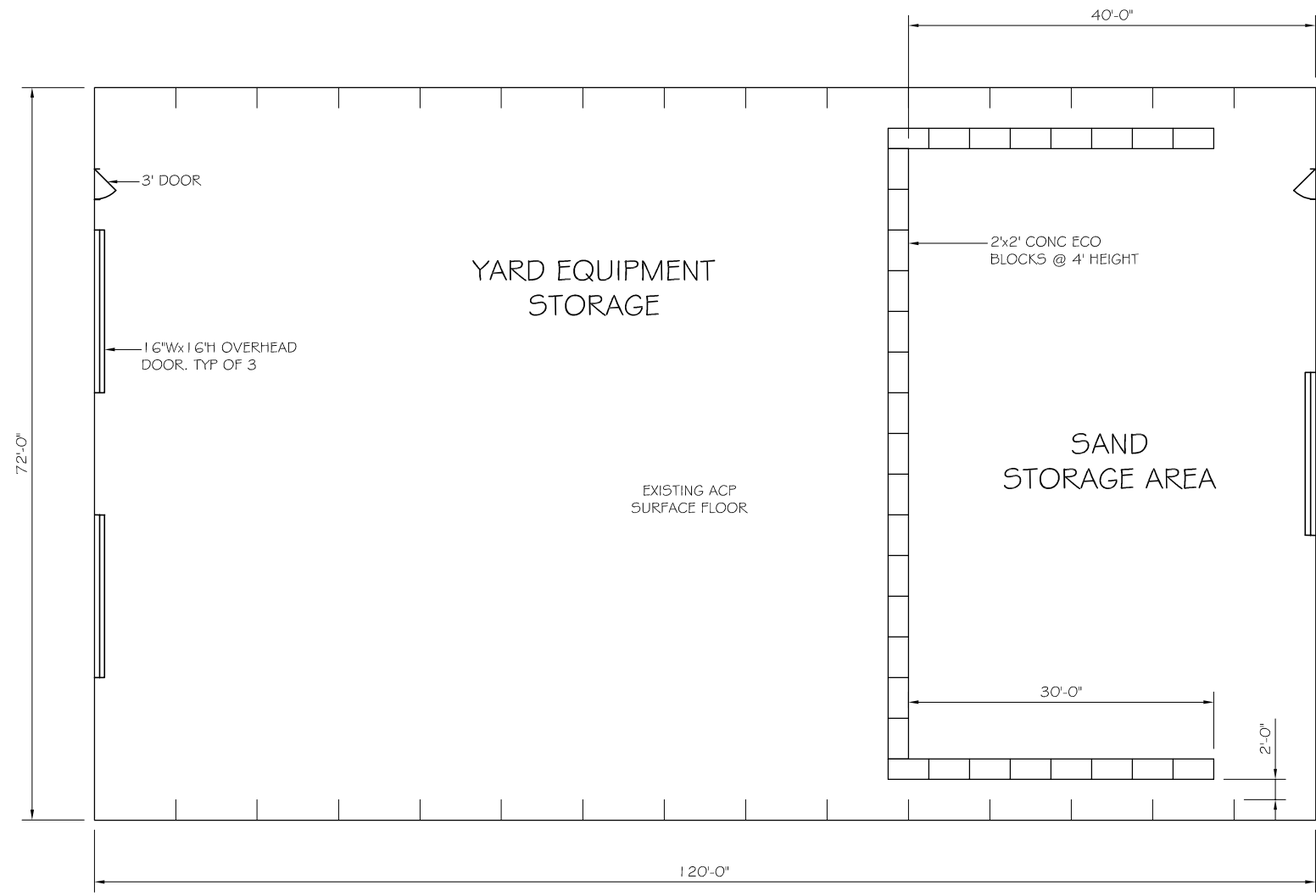
PORT OF ANCHORAGE
FABRIC STRUCTURES
MUNICIPALITY OF ANCHORAGE



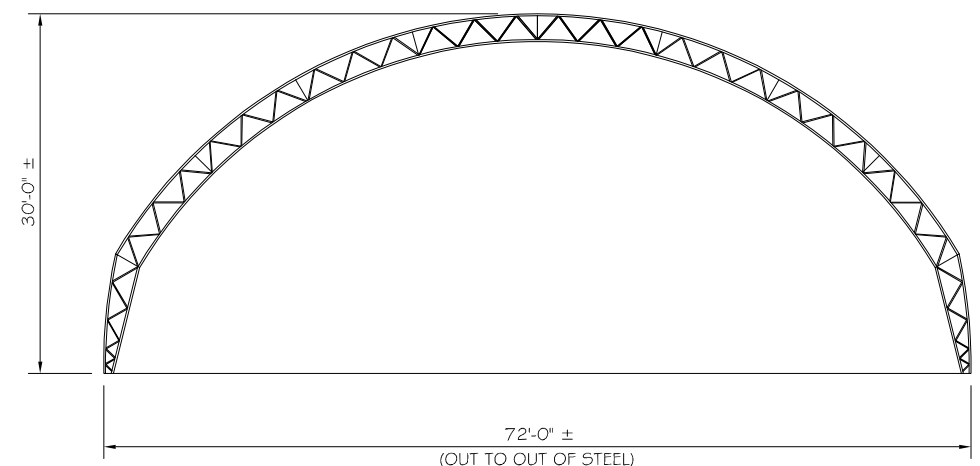
RM PROJ. NO.: **041512**
DESIGNED BY: **DHA**
DRAWN BY: **PMH**
CHECKED BY: **DHA**

SECURITY SCREENING BUILDING
CIVIL SITE PLAN

SCALE: **1" = 60'-0"**
DATE: **JAN 18, 2006**
DWG. NO.: **C-0012**



FABRIC STRUCTURE FLOOR PLAN



SECTION

NOTES:

CODE ANALYSIS

OCCUPANCY: S-2 STORAGE (DEISEL ENGINE EQUIPMENT PARKING (ENCLOSED) AND SAND STORAGE)
 BLDG TYP: V-B
 AREA: 8,640 SF
 AREA ALLOWED: 13,500 SF
 SPRINKLERS: NONE
 MECH VENT: AS PER IMC

OPERATING CRITERIA

INTERIOR TEMP: 50° @ +5° OUTSIDE AIR TEMP
 40° @ EXTREME LOW TEMP

STRUCTURAL DESIGN CRITERIA

DESIGN STRUCTURE AND FOUNDATION FOR THE FOLLOWING CRITERIA. ADDITIONAL CRITERIA IS NOTED IN THE SPECIFICATIONS. SUBMIT FOR REVIEW AND APPROVAL BY THE MOA BUILDING DEPARTMENT.

DESIGN CODE: 2000 INTERNATIONAL BUILDING CODE (IBC)

BUILDING CATAGORY: IV

SNOW LOADS: 57 PSF GROUND SNOW LOAD
 DRIFT & UNBALANCED SNOW - ASCE 7
 $I_s = 0.8$

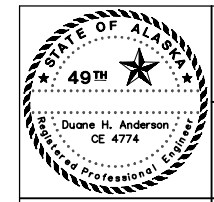
WIND LOADS: 100 MPH WIND ZONE
 EXPOSURE D
 $I_w = 0.87$

SEISMIC LOADS: $I_e = 1.0$
 SITE CLASS D
 $S_s = 1.50 G$, $S_1 = 0.56 G$
 $S_{DS} = 1.0 G$, $S_{D1} = 0.56 G$

DEAD LOADS: WEIGHT OF BLDG COMPONENTS AND INSULATION
 WEIGHT OF MECHANICAL EQUIPMENT
 WEIGHT OF ELECTRICAL EQUIPMENT

FABRIC CLOSURE:
 WARM STORAGE BLDG TO HAVE INSULATED FABRIC CLOSURE
 SECURITY SCREENING TO HAVE STANDARD FABRIC CLOSURE

project.04\041512\041512-A001, 1=96, 08/05/04 at 07:37 by dha



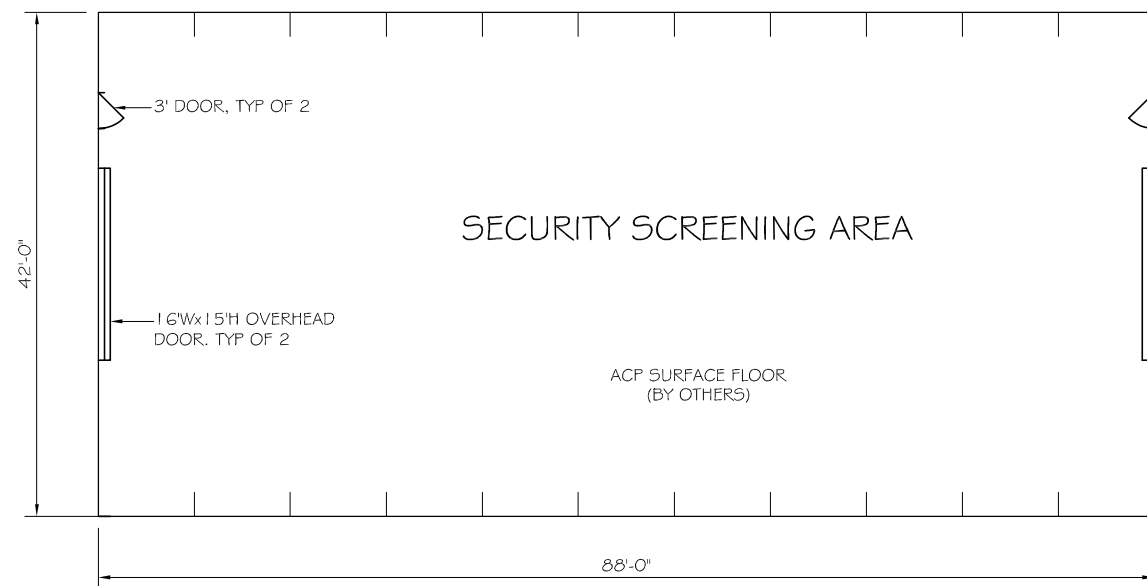
PORT OF ANCHORAGE
FABRIC STRUCTURES
 MUNICIPALITY OF ANCHORAGE

R&M
R&M CONSULTANTS, INC.
 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
 PH: (907) 522-1707, FAX: (907) 522-3403

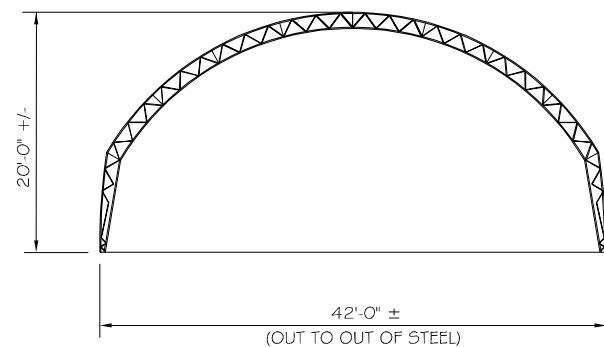
RM PROJ. NO.: 410812
 DESIGNED BY: DHA
 DRAWN BY: PMH
 CHECKED BY: DHA

FABRIC STRUCTURE FLOOR PLAN WARM STORAGE BUILDING

SCALE: 1/8" = 1'-0"
 DATE: JAN 18, 2006
 DWG. NO.: A-001



FABRIC STRUCTURE FLOOR PLAN



SECTION

NOTES:

CODE ANALYSIS

OCCUPANCY: S-2
 BLDG TYP: V-B
 AREA: 3,700 SF
 AREA ALLOWED: 13,500 SF
 SPRINKLERS: NONE
 MECH VENT: AS PER IMC

STRUCTURAL DESIGN CRITERIA

DESIGN STRUCTURE AND FOUNDATION FOR THE FOLLOWING CRITERIA. ADDITIONAL CRITERIA IS NOTED IN THE SPECIFICATIONS. SUBMIT FOR REVIEW AND APPROVAL BY THE MOA BUILDING DEPARTMENT.

DESIGN CODE: 2000 INTERNATIONAL BUILDING CODE (IBC)

BUILDING CATAGORY: IV

SNOW LOADS: 57 PSF GROUND SNOW LOAD
 DRIFT & UNBALANCED SNOW - ASCE 7
 $I_s = 0.8$

WIND LOADS: 100 MPH WIND ZONE
 EXPOSURE D
 $I_w = 0.87$

SEISMIC LOADS: $I_r = 1.0$
 SITE CLASS D
 $S_s = 1.50 G$, $S_1 = 0.56 G$
 $S_{0.5} = 1.0 G$, $S_{0.1} = 0.56 G$

DEAD LOADS: WEIGHT OF BLDG COMPONENTS
 WEIGHT OF MECHANICAL EQUIPMENT
 WEIGHT OF ELECTRICAL EQUIPMENT

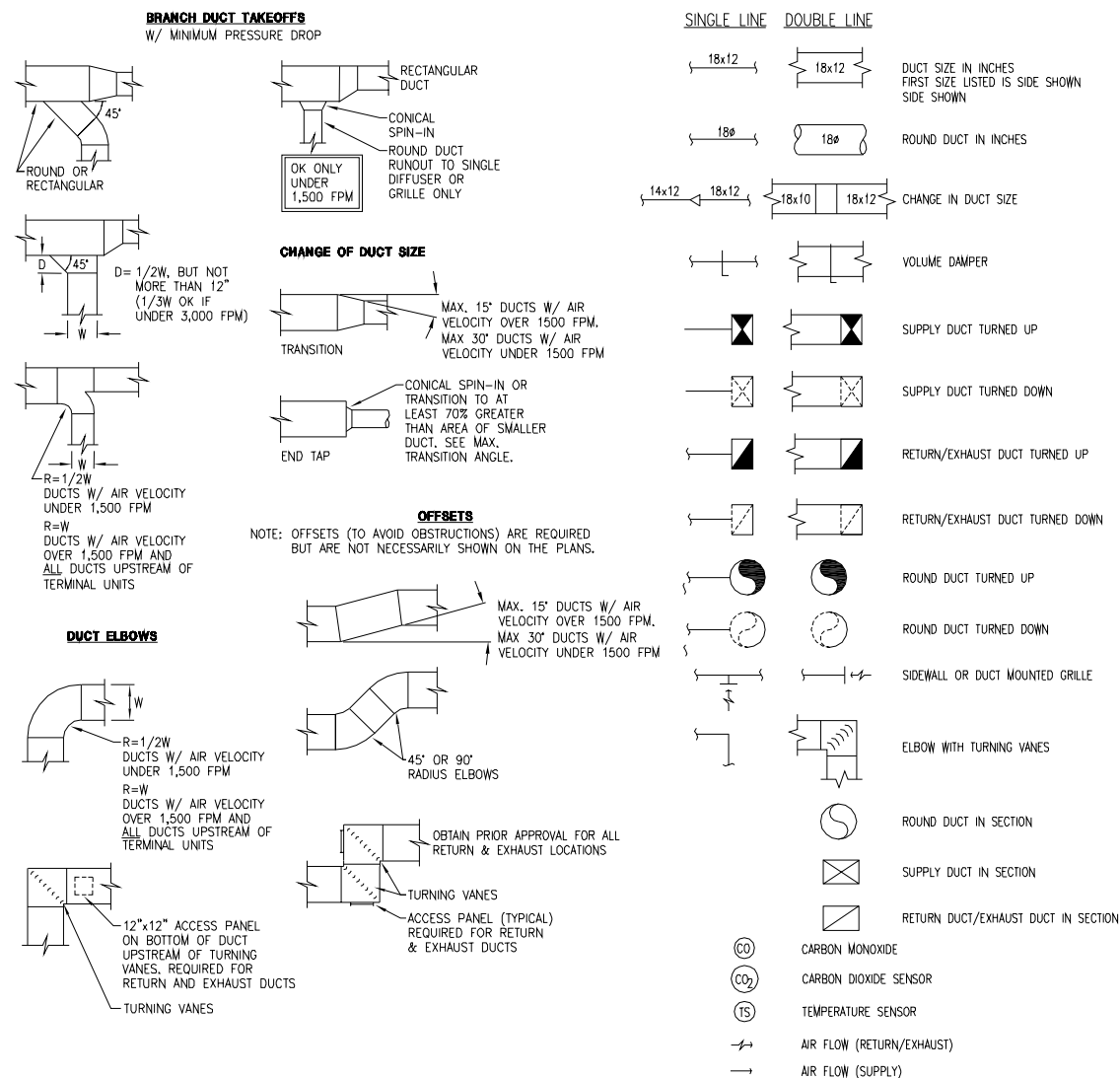
FABRIC CLOSURE:
 SECURITY SCREENING TO HAVE STANDARD FABRIC CLOSURE

project.04\041512\Security Bldg Permit\041512-A001-SBP, 1=96, 09/13/04 at 11:11 by mka

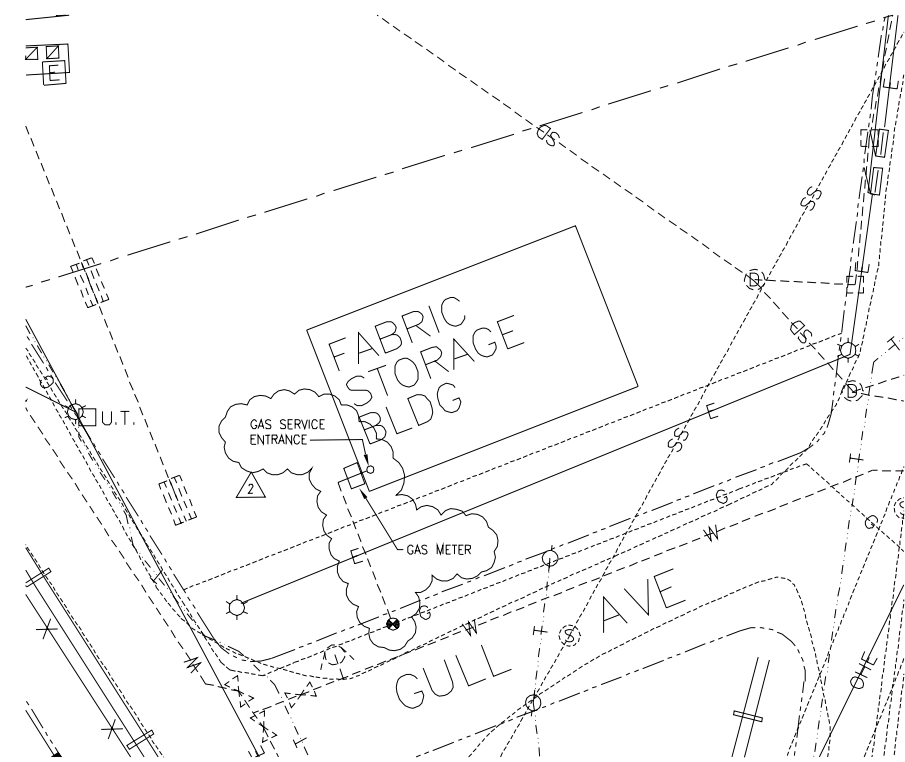
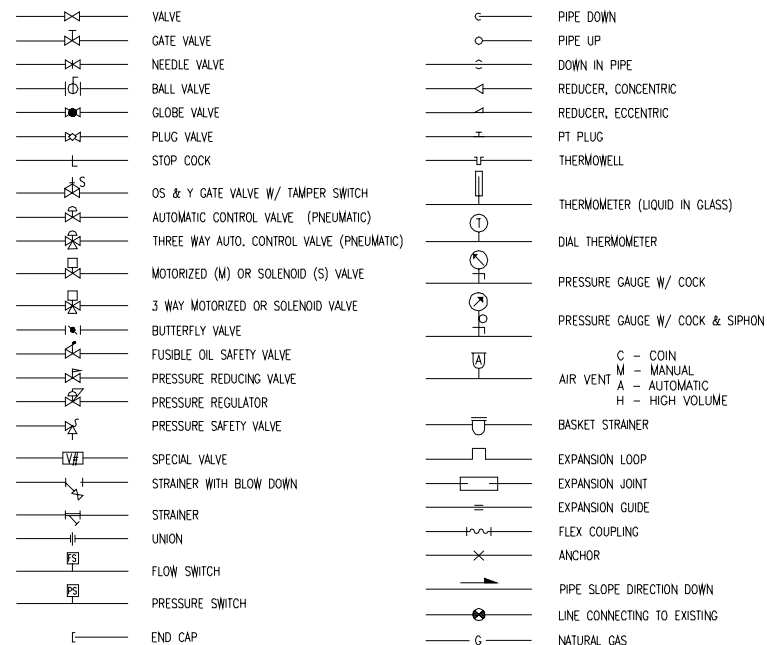
	PORT OF ANCHORAGE FABRIC STRUCTURES MUNICIPALITY OF ANCHORAGE	
	 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507 PH: (907) 522-1707, FAX: (907) 522-3403	
RM PROJ. NO.: 041512	FABRIC STRUCTURE FLOOR PLAN SECURITY SCREENING BUILDING	SCALE: 1/8" = 1'-0"
DESIGNED BY: DHA		DATE: JAN 18, 2006
CHECKED BY: DHA		DWG. NO.: A-002

ALL SYMBOLS AND ABBREVIATIONS DO NOT NECESSARILY APPEAR ON DRAWINGS

HVAC FITTINGS & SYMBOLS



PIPING SYMBOLS



FAN SCHEDULE

TAG	LOCATION	CFM	SP (IN. W.C.)	RPM	HP / W	VOLT	PH	MFR	MODEL	REMARKS
EF-1	FABRIC BUILDING	2,000	0.25	1725	0.33	120	1	GREENHECK	TAD 18	
EF-2	FABRIC BUILDING	4,500	0.38	1725	0.75	120	1	GREENHECK	TAD 20	

HEATING & VENTILATING UNIT SCHEDULE

TAG	TYPE	LOCATION	HEATING			FAN				BASIS OF DESIGN		REMARKS	
			CAPACITY (MBH)	EAT (F)	LAT (F)	AIR FLOW (SCFM)	RPM	VOLT	PHASE	HP	MFR		MODEL
MAU-1	DIRECT GAS MAKE UP UNIT	FABRIC BUILDING	1000.0	-20.0	50.0	13,000	1800	460	3	10	TRANE	DFI A 122	

UNIT HEATER SCHEDULE

TAG	TYPE	LOCATION	MIN CAPACITY (MBH)	EAT (F)	FAN AIR THROW (FT)		VOLT	PHASE	HP	BASIS OF DESIGN		REMARKS
					V	H				MANUFACTURER	MODEL	
UH-1	HORIZONTAL	FABRIC BUILDING	160.0	40	52	120	1	1/3	TRANE	GPND-020	POWER VENTED	
UH-2	HORIZONTAL	FABRIC BUILDING	120.0	40	45	120	1	1/4	TRANE	GPND-015	POWER VENTED	
RH-1	RADIANT TUBE	FABRIC BUILDING	200.0	-	-	120	1	0.25	SPACE RAY	LTS200	DRAW THROUGH	

3 REPLACE BREAKERS FOR UH-1 AND UH-2 WITH 1-POLE BREAKERS. SEE E-003. IDENTIFY ONE CONDUCTOR AS NEUTRAL, USE WHITE TAPE. RETERMINATE THE NEW NEUTRAL CONDUCTOR ON THE NEUTRAL BUS.

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	GPM	GALLONS PER MINUTE	SP	STATIC PRESSURE
AF	AIR FLOW SWITCH	HC	HEATING COIL	T	TEMPERATURE
AFF	ABOVE FINISH FLOOR	HP	HORSEPOWER	TSP	TOTAL STATIC PRESSURE
AHU	AIR HANDLING UNIT	HR	HOUR	TYP	TYPICAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	HTG	HEATING	UH	UNIT HEATER
BB	BASEBOARD	HX	HEAT EXCHANGER	V	VENT OR VOLTS
BDD	BACK DRAFT DAMPER	LF	LINEAL FOOT	VAV	VARIABLE AIR VOLUME
BTU	BRITISH THERMAL UNIT	MAV	MANUAL AIR VENT	W/	WITH
BV	BALANCING VALVE	MAX	MAXIMUM		
CC	COOLING COIL	MBH	THOUSANDS BTU PER HOUR		
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM OR MINUTES		
CLG	CEILING	MOD	MOTOR OPERATED DAMPER		
CMU	CONCRETE MASONRY UNIT	MS	MOTOR STARTER		
CONC	CONCRETE	NC	NORMALLY CLOSED		
CUH	CABINET UNIT HEATER	N.I.C.	NOT IN CONTRACT		
Ø	DIAMETER OR PHASE	NO	NORMALLY OPEN		
DEMO	DEMOLISH	NTS	NOT TO SCALE		
DN	DOWN	O/	OVER		
DPS	DIFFERENTIAL PRESSURE SWITCH	OA	OUTSIDE AIR		
DWG	DRAWING	PH	PHASE		
(E)	EXISTING	PLCS	PLACES		
EA	EXHAUST AIR	PRV	PRESSURE REGULATING VALVE		
EF	EXHAUST FAN	PSI	POUNDS PER SQUARE INCH		
EXH	EXHAUST	PSIG	POUNDS PER SQUARE INCH GAUGE		
EXIST	EXISTING	PT	PRESSURE/TEMPERATURE		
F.D.	FIRE DAMPER	RA	RETURN AIR		
FF	FINISH FLOOR	R.O.	ROUGH OPENING		
G	LOW PRESSURE GAS	RPM	REVOLUTION PER MINUTE		
GAL	GALLONS	SA	SUPPLY AIR		
GPH	GALLONS PER HOUR	SD	SMOKE DETECTOR		

GENERAL

NOTES:

1 SPECIFIC NOTE FOR THIS SHEET ONLY.

DRAWING LINETYPE:

— EXISTING

— (BOLD LINE) NEW

--- OR --- EXISTING TO BE REMOVED

CONSTRUCTION TAG:

(E) OR (E) - EXISTING

(N) OR (N) - NEW

(R) - RELOCATE

(X) - REMOVE

⊕ - CONNECT TO EXISTING

XX-X - UNDERLINED DESIGNATOR HAS SCHEDULED VALUES



REV. 3	05/20/05	3	UH 1/2 WERE 208V	LJZ
REV. 2	05/09/05	2	RELOCATED GAS METER	LJZ
REV. 1	01/18/05	1	ADDED CO DETECTORS; SIZED GAS PIPE	LJZ

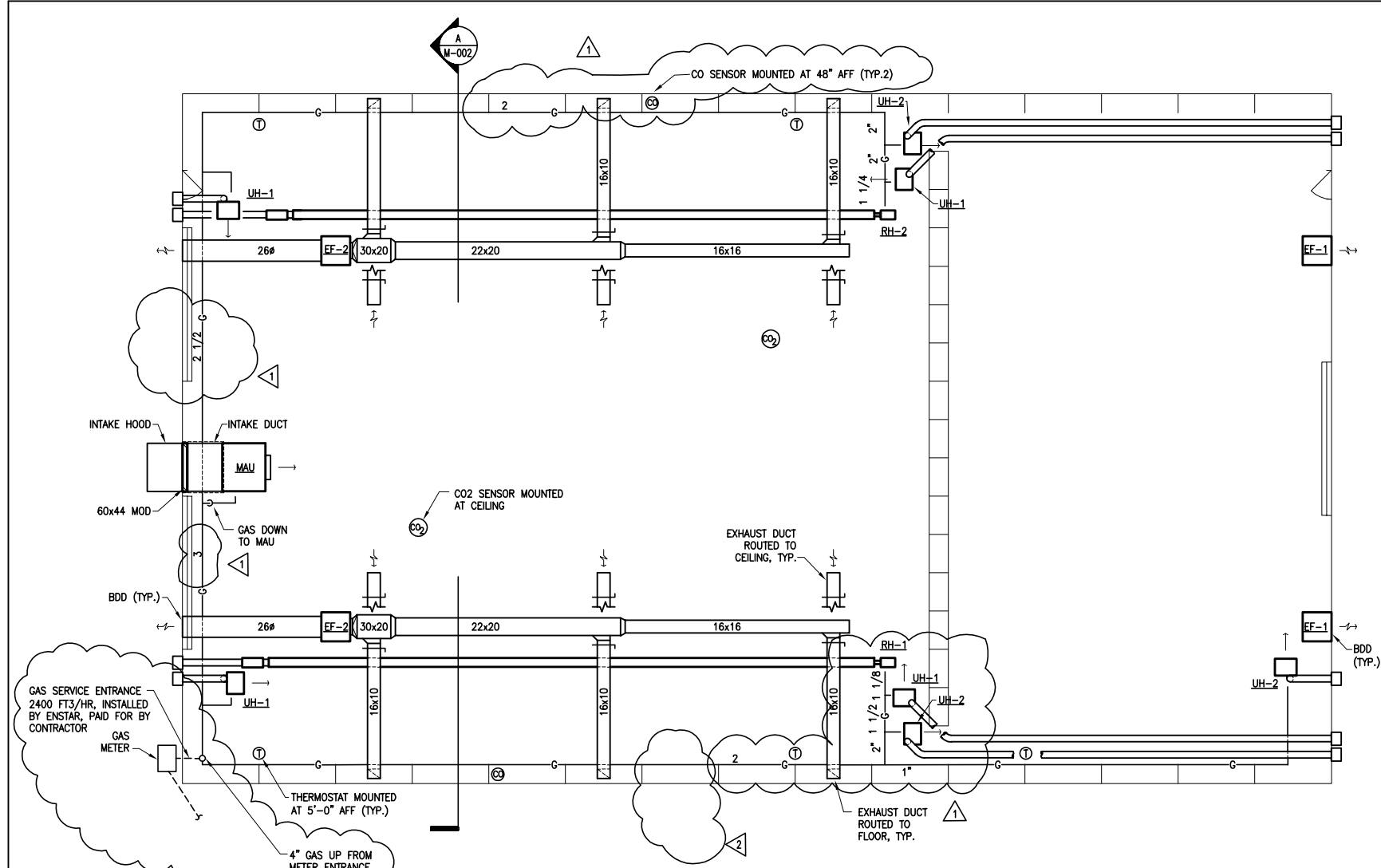
STATE OF ALASKA
49th
W.K. MEHALL
May 20, 2005
REGISTERED PROFESSIONAL ENGINEER

R&M CONSULTANTS, INC.
ENGINEERS GEOLOGISTS PLANNERS TESTLAB
SURVEYORS & MAPPERS COMPUTER SERVICES
9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
PH: (907) 522-1707, FAX: (907) 522-3403

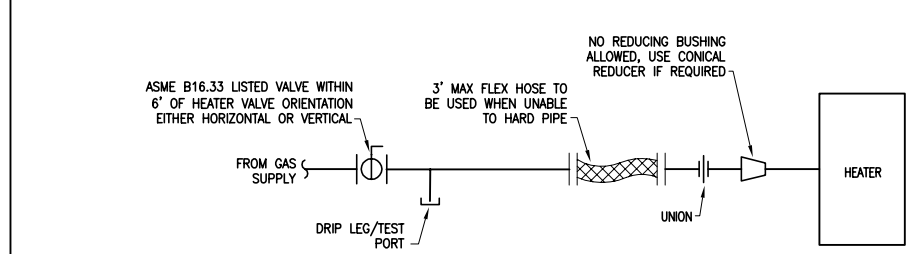
MECHANICAL SITE PLAN, LEGEND, ABBREVIATIONS AND SCHEDULES

RM PROJ. NO.: 410512
DESIGNED BY: LJZ
DRAWN BY: KBB
CHECKED BY:

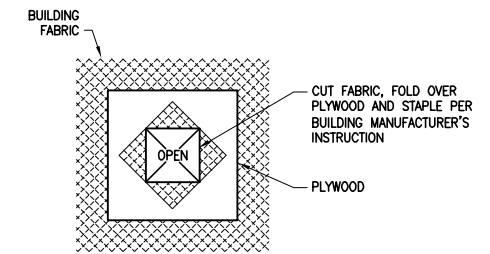
SCALE: AS NOTED
DATE: July 29, 2004
DWG. NO.: M-001



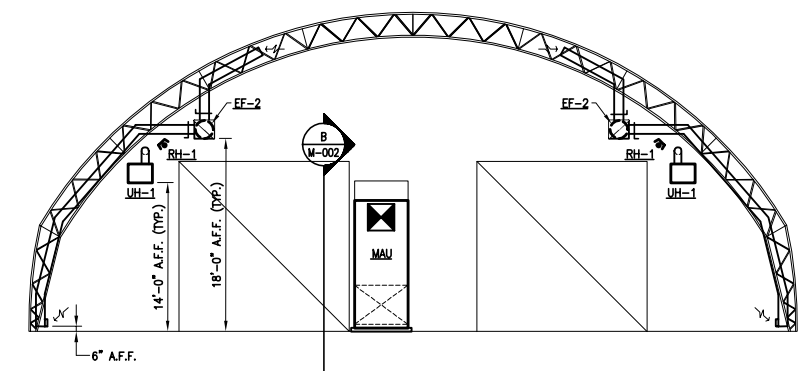
1 VENTILATION PLAN
M-002 SCALE: 1/8"=1'-0"



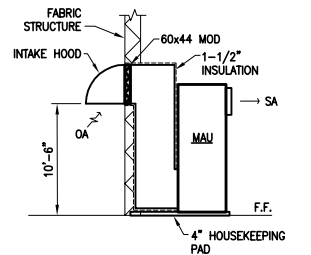
2 TYPICAL GAS SUPPLY SCHEMATIC
M-002 N.T.S.



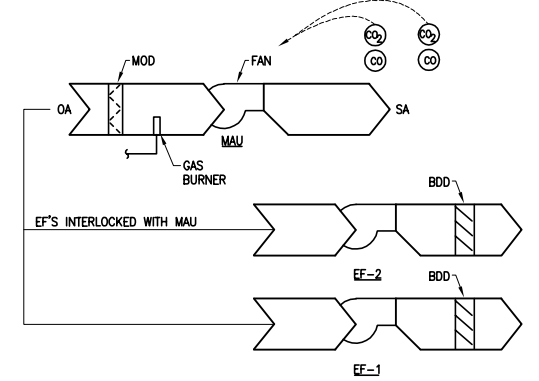
3 FABRIC PENETRATION DETAIL
M-002 N.T.S.



A SECTION
M-002 SCALE: 1/8"=1'-0"



B SECTION
M-002 SCALE: 1/8"=1'-0"

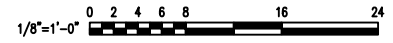


4 MAU, EF-1, 2, 3 & 4 CONTROL DIAGRAM
M-002 N.T.S.

- MAU, EF-1 & 2 SEQUENCE OF OPERATION:**
- EACH UNIT SHALL HAVE HOA SWITCH.
 - WHEN ANY UNIT IS IN THE HAND OR OFF POSITION A RED ALARM LIGHT SHALL DISPLAY.
 - WHEN IN THE HAND POSITION THE UNIT SHALL RUN
 - WHEN IN THE OFF POSITION THE UNIT SHALL BE OFF
 - WHEN IN THE AUTO POSITION, THE UNITS SHALL RUN AS FOLLOWS:
 - IF THE CO2 SENSOR DETECTS MORE THAN 700 PPM OF CARBON DIOXIDE, MAU SHALL START, MOD SHALL OPEN AND SUPPLY OUTSIDE AIR AT 60°F.
 - MAU SHALL STOP AND MOD SHALL CLOSE WHEN THE CO2 SENSOR SENSES LESS THAN THE SET POINT.
 - EF-1 & 2 SHALL START WHEN MAU STARTS.
 - EF-1 & 2 SHALL STOP WHEN MAU STOPS.
 - IF THE CO SENSOR DETECTS MORE THAN 25 PPM OF CARBON MONOXIDE, MAU SHALL START, MOD SHALL OPEN AND SUPPLY O/A @ 60°F.

5 UNIT HEATER CONTROL DIAGRAM
M-002 N.T.S.

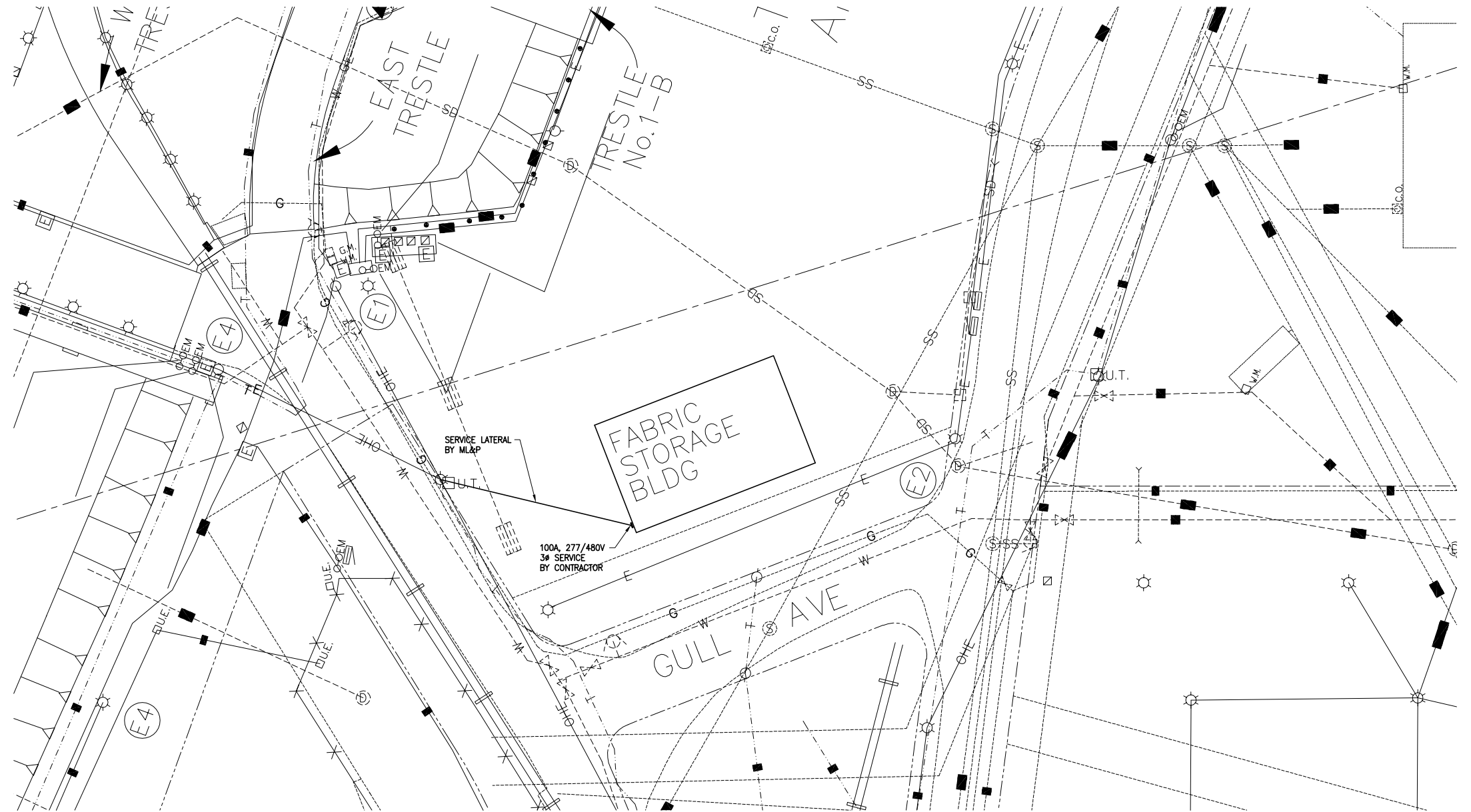
- UNIT HEATER AND RADIANT HEATERS SEQUENCE OF OPERATION:**
- A WALL MOUNTED THERMOSTAT SHALL CYCLE THE UNIT HEATER ON AND OFF TO MAINTAIN THE SET POINT.



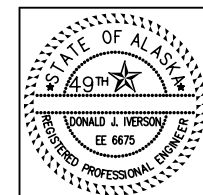
COFFMAN ENGINEERS
800 F. Street
Anchorage, Alaska 99501
907 276-6664 Fax 907 276-5042

REV. 2	05/09/05	RELOCATED GAS METER	LJZ
REV. 1	01/18/05	ADDED CO DETECTORS; SIZED GAS PIPE	LJZ
PORT OF ANCHORAGE WARM STORAGE BUILDING (FABRIC STRUCTURE) MUNICIPALITY OF ANCHORAGE R&M CONSULTANTS, INC. ENGINEERS GEOLGISTS PLANNERS TESTLAB SURVEYORS & MAPPERS COMPUTER SERVICES 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507 PH: (907) 522-1707, FAX: (907) 522-3403			
RM PROJ. NO.:	410812	FABRIC STRUCTURE MECHANICAL VENTILATION PLAN & DETAILS	SCALE: AS NOTED
DESIGNED BY:	LJZ		DATE: July 29, 2004
DRAWN BY:	KDB		DWG. NO.: M-002
CHECKED BY:			

SYMBOL		DESCRIPTION
PLAN	DIAGRAM	
		SURFACE MOUNTED PANELBOARD
		PANELBOARD - SEE PANEL SCHEDULE
		EQUIPMENT CABINET - TYPE AS INDICATED
		CIRCUIT BREAKER NUMBER INDICATES TRIP SETTING AND NUMBER OF POLES CL - INDICATES CURRENT LIMITING ST - INDICATES SHUNT TRIP
		DISCONNECT SWITCH 3-POLE UNLESS NOTED OTHERWISE - OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED
		MANUAL STARTER WITH THERMAL PROTECTION
		MAGNETIC STARTER WITH THERMAL PROTECTION
		COMBINATION STARTER HP RATED, 3-POLE, NEMA SIZE 1 MINIMUM UNLESS NOTED OTHERWISE - OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED
		EQUIPMENT CONNECTION
		MOTOR CONNECTION SEE MECHANICAL SCHEDULE FOR MOTOR DATA
		TRANSFORMER
		GROUND CONNECTION
		PENDANT OR SURFACE MOUNTED LIGHTING FIXTURE
		EXIT SIGN - ARROW INDICATES DIRECTION OF EGRESS
		LIGHT FIXTURE IDENTIFICATION, SEE SCHEDULE
		WALL OR CEILING MOUNTED, BATTERY POWERED EMERGENCY LIGHT FIXTURE WALL MOUNTED AT +8'-0" AFF UNLESS OTHERWISE NOTED.
		CEILING MOUNTED (SUSPENDED) H.I.D. FIXTURE
		WALL SWITCH - SUBSCRIPT INDICATES: 3 THREE-WAY 4 FOUR-WAY a,b LOWER CASE LETTERS INDICATE SWITCHING CONTROL
		HOME RUN - NUMBER OF CONDUCTORS AS INDICATED -LETTER DESIGNATION INDICATES PANEL -NUMBER(S) INDICATE CIRCUIT
		RACEWAY MARKING INDICATES QUANTITY OF WIRES IN CONDUIT #12 MIN. -HASH MARKS INDICATE PHASE CONDUCTORS -LONG HASH MARKS INDICATE NEUTRAL CONDUCTORS PROVIDE ADDITIONAL COPPER EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS, (NOT SHOWN). ALL UNMARKED CONDUITS TO BE 2#12 & 1#12 GND.
		JUNCTION BOX
		RECEPTACLE OUTLET: SUBSCRIPT NUMBER INDICATES CIRCUIT GROUPING
		SPECIAL PURPOSE RECEPTACLE
		SHEET NOTE



COFFMAN ENGINEERS
800 F Street
Anchorage, Alaska 99501
907 276-6664 Fax 907 276-5042



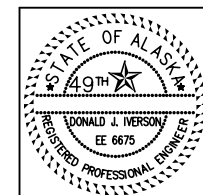
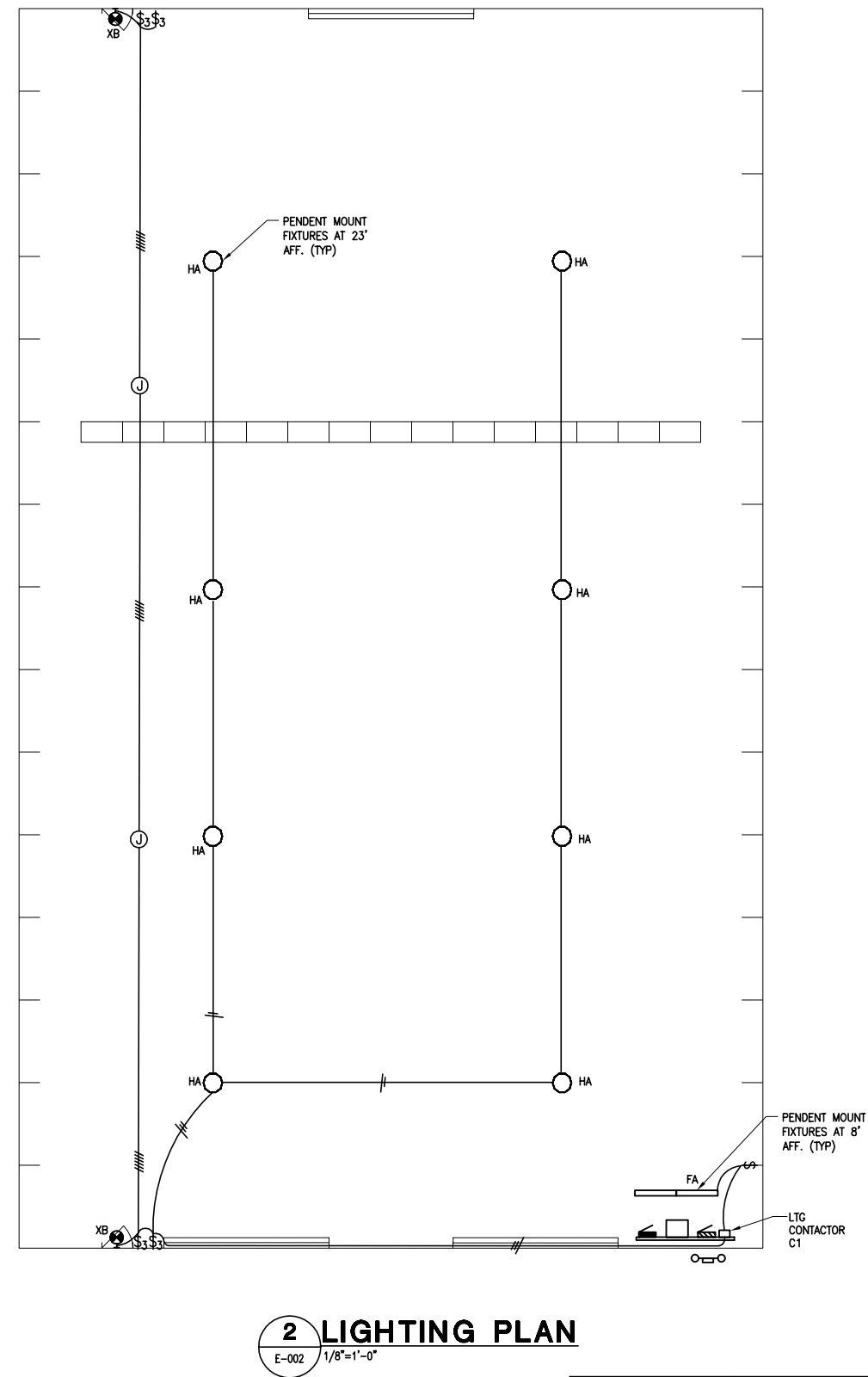
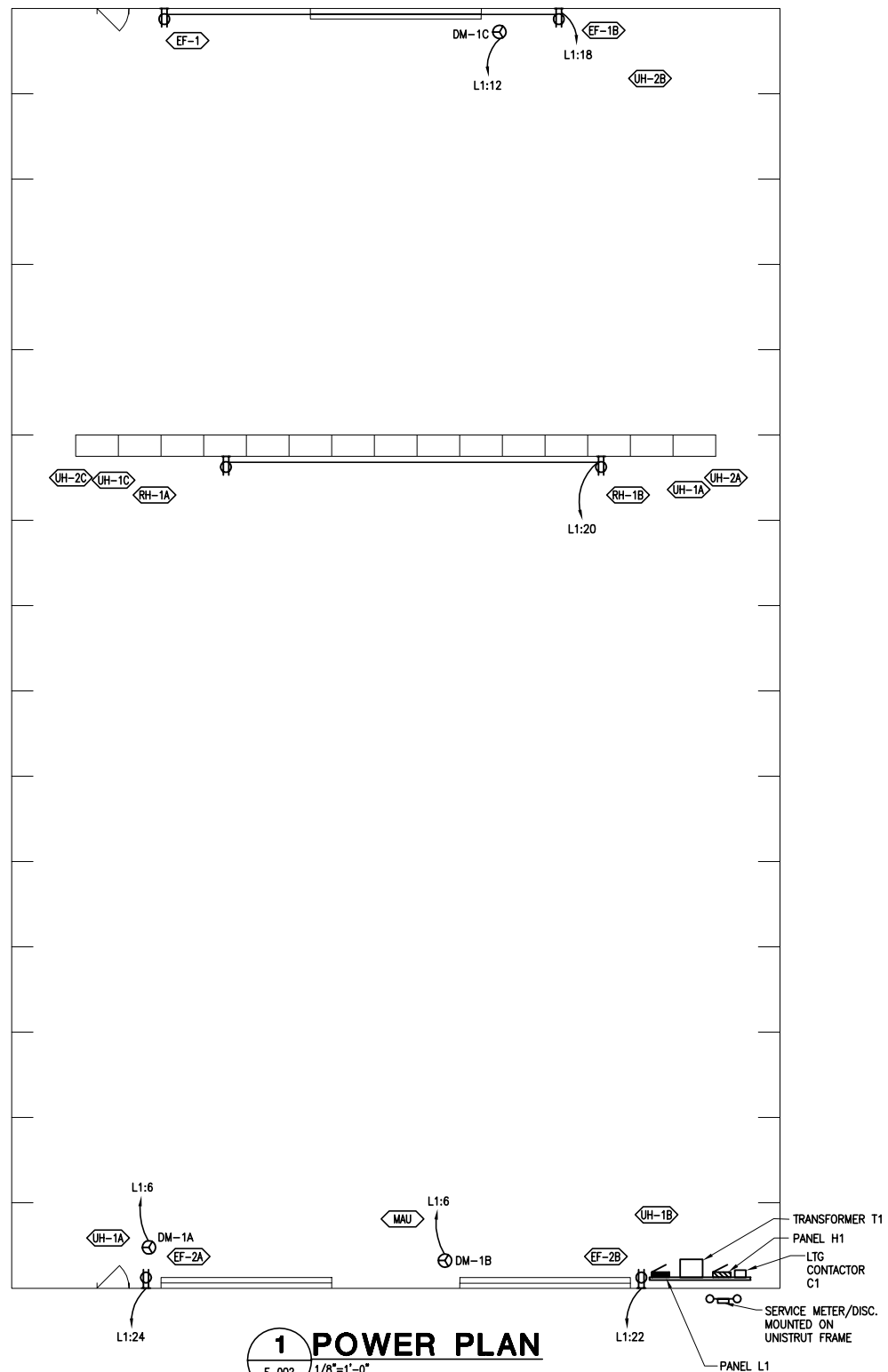
PORT OF ANCHORAGE
**WARM STORAGE BUILDING
(FABRIC STRUCTURE)**
MUNICIPALITY OF ANCHORAGE

R&M CONSULTANTS, INC.
ENGINEERS GEOLOGISTS PLANNERS TESTLAB
SURVEYORS & MAPPERS COMPUTER SERVICES
9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
PH: (907) 522-1707, FAX: (907) 522-3403

RM PROJ. NO.: **410812**
DESIGNED BY: **TJP**
DRAWN BY: **LAI**
CHECKED BY:

**ELECTRICAL SITE
PLAN**

SCALE: **1"=40'-0"**
DATE: **JULY 29, 2004**
DWG. NO.: **E-001**



PORT OF ANCHORAGE
WARM STORAGE BUILDING (FABRIC STRUCTURE)
MUNICIPALITY OF ANCHORAGE

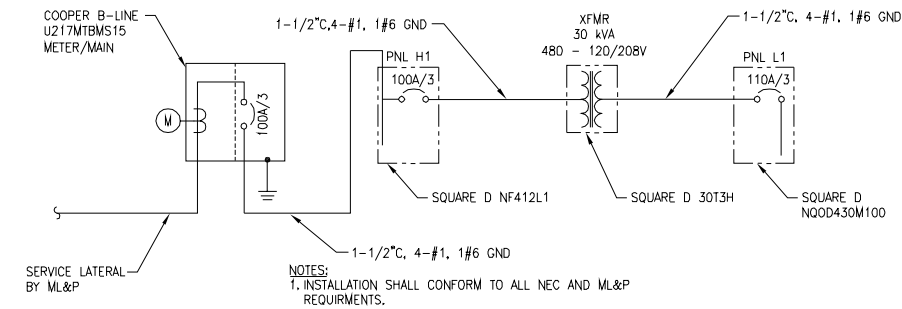
R&M CONSULTANTS, INC.
ENGINEERS GEOLOGISTS PLANNERS TESTLAB
SURVEYORS & MAPPERS COMPUTER SERVICES
9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
PH: (907) 522-1707, FAX: (907) 522-3403

RM PROJ. NO.: **410812**
DESIGNED BY: **TJP**
DRAWN BY: **LAI**
CHECKED BY:

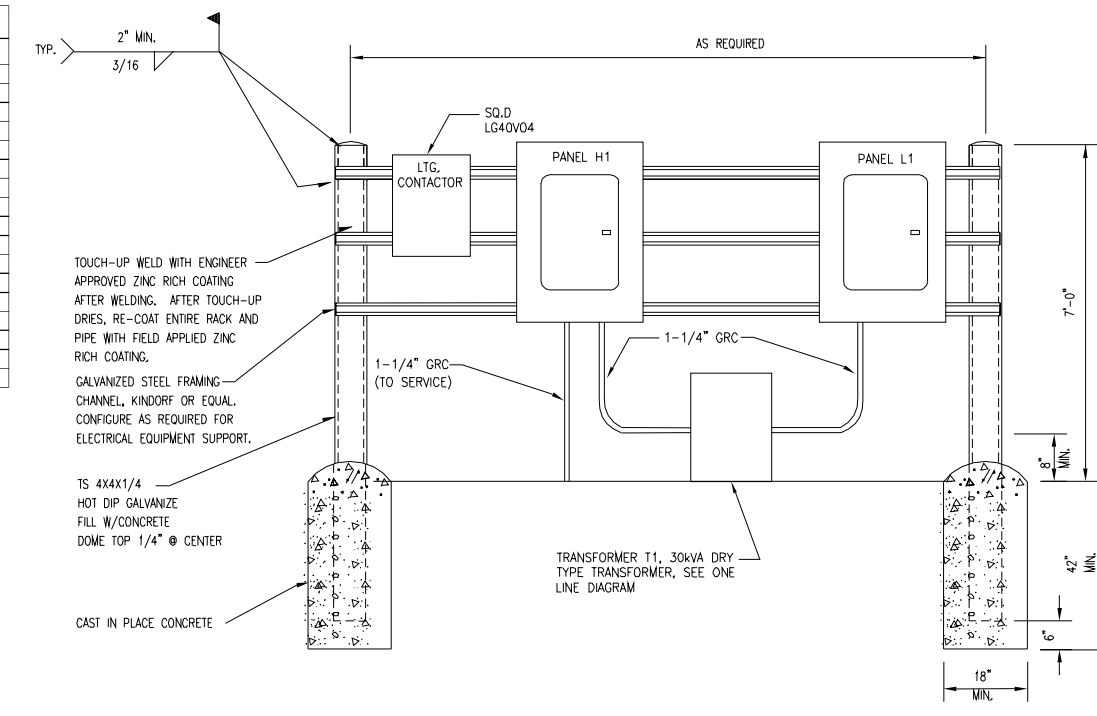
FABRIC STRUCTURE ELECTRICAL PLANS

SCALE: **1/8"=1'-0"**
DATE: **JULY 29, 2004**
DWG. NO.: **E-002**

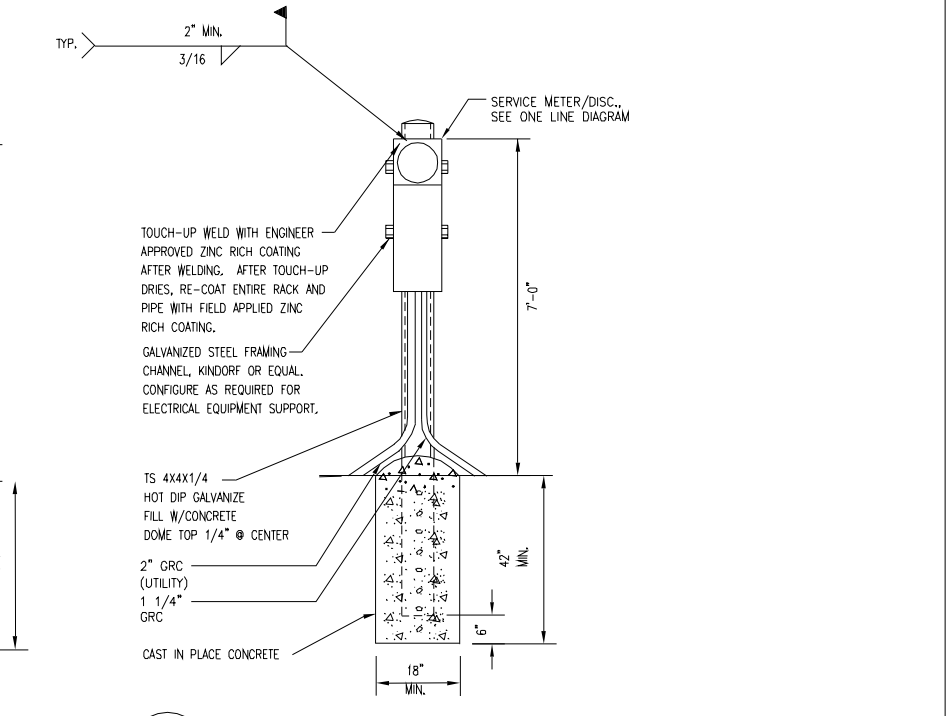
EQUIPMENT SCHEDULE									
Unit Tag	H.P.	VA	Phase	Volts	Pnkckt	Brkr.	Feeder	Conduit	Remarks
UH-1A	0.75		1	208	L1:1	30/2	2-#10,1-#10GND	0.75"	
UH-1B	0.75		1	208	"	"	2-#10,1-#10GND	0.75"	
UH-1C	0.75		1	208	L1:5	30/2	2-#10,1-#10GND	0.75"	
UH-1D	0.75		1	208	"	"	2-#10,1-#10GND	0.75"	
UH-2A	0.5		1	208	L1:9	40/2	2-#12,1-#12GND	0.75"	
UH-2B	0.5		1	208	"	"	2-#12,1-#12GND	0.75"	
UH-2C	0.5		1	208	"	"	2-#12,1-#12GND	0.75"	
RH-1A	0.25		1	120	L1:21	15/1	2-#12,1-#12GND	0.75"	
RH-1B	0.25		1	120	"	"	2-#12,1-#12GND	0.75"	
EF-1A	0.33		1	120	L1:17	25/2	2-#12,1-#12GND	0.75"	
EF-1B	0.33		1	120	"	"	2-#12,1-#12GND	0.75"	
EF-2A	0.75		1	208	L1:2	30/2	2-#10,1-#10GND	0.75"	
EF-2B	0.75		1	208	"	"	2-#10,1-#10GND	0.75"	
MAU-1	10		3	480	H1:1	25/3	3-#10,1-#10GND	0.75"	
DM-1A	0.75		1	208	L1:6	30/3	2-#12,1-#12GND	0.75"	GARAGE DOOR MOTOR
DM-1B	0.75		1	208	"	"	2-#12,1-#12GND	0.75"	GARAGE DOOR MOTOR
DM-1C	0.75		1	208	L1:12	15/2	2-#12,1-#12GND	0.75"	GARAGE DOOR MOTOR



1 ONE LINE DIAGRAM
E-003 N.T.S.



2 DISTRIBUTION EQUIPMENT RACK
E-003 N.T.S.



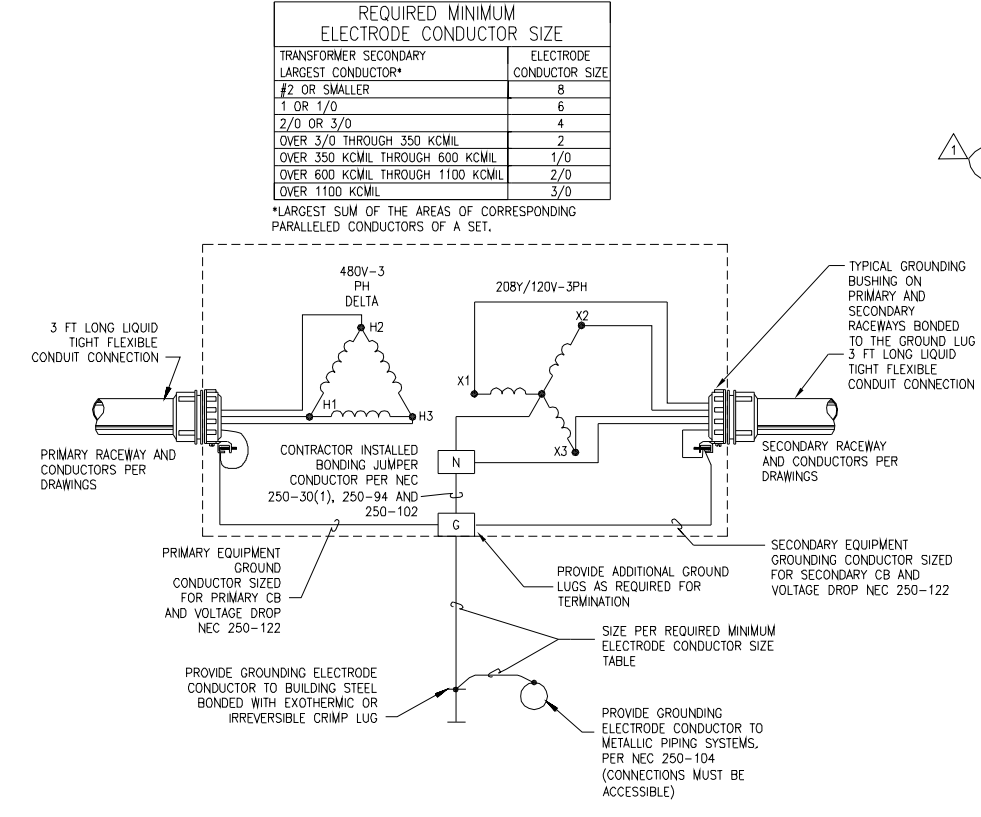
3 SERVICE EQUIPMENT RACK
E-003 N.T.S.

LOADCENTER SCHEDULE PNL. H1									
A. I. C. RATING: 10,000					VOLTS: 480 277				
MOUNTING: SURFACE					BUS AMPS: 125				
MAIN BKR.: M.L.O.					CIRCUIT DESCRIPTION				
CIRCUIT DESCRIPTION	TYPE	LOAD VA	BRKR AMPS	CRKT #	PHASE	CRKT #	BRKR AMPS	LOAD VA	CIRCUIT DESCRIPTION
MAU-1 - 10HP	M	3880	30/3	1	A	2	100/3	7334	X XFMR, T-1 (30KVA)
	M	3880	"	3	B	4	"	7334	X
	M	3880	"	5	C	8	"	7334	X
LTG INDOOR	I	2000	20/1	7	A	8			SPACE
LTG INDOOR	I	2000	20/1	9	B	10			SPACE
LTG INDOOR	I	780	20/1	11	C	12			SPACE
SPACE				13	A	14			SPACE
SPACE				15	B	16			SPACE
SPACE				17	C	18			SPACE
CONNECTED LOADS:					REMARKS:				
PHASE A:	KVA	AMPS	NEC KVA	NEC AMPS	PNL: SQ.D NF412L1 OR APPROVED EQUAL				
PHASE B:	13.2	47.7	14.7	53.0					
PHASE C:	13.2	47.7	14.7	53.0					
TOTAL:	12.0	43.3	13.2	47.5					

LOADCENTER SCHEDULE PNL. L1									
A. I. C. RATING: 10,000					VOLTS: 208 120				
MOUNTING: SURFACE					BUS AMPS: 100				
MAIN BKR.: 100					CIRCUIT DESCRIPTION				
CIRCUIT DESCRIPTION	TYPE	LOAD VA	BRKR AMPS	CRKT #	PHASE	CRKT #	BRKR AMPS	LOAD VA	CIRCUIT DESCRIPTION
UH-1(A,B) - 3/4 HP EACH	M	1580	30/1	1	A	2	30/2	1580	M EF-2(A,B) - 3/4HP EACH
SPACE	M	1580		3	B	4	"	1580	M
UH-1(C,D) - 3/4HP EACH	M	1580	30/1	5	C	6	30/3	1051	M DM-1(A,B) - 3/4HP EACH
SPACE	M	1580		7	A	8	"	1051	M
UH-2(A,B,C) - 1/2HP EACH	M	1944	40/1	9	B	10	"	1051	M
SPACE	M	1944		11	C	12	15/3	790	M DM-1(C) - 3/4HP
RH-1(A,B)	M	400	15/1	13	A	14	"	790	M
SPACE	M			15	B	16	"		
EF-1(A,B) - 1/3HP EACH	M	960	25/2	17	C	18	20/1	360	R RCPT
	M	960	"	19	A	20	20/1	360	R RCPT
RH-1(A,B)	M	780	20/1	21	B	22	20/1	360	R RCPT
SPACE				23	C	24	20/1	360	R RCPT
SPACE				25	A	26			SPACE
SPACE				27	B	28			SPACE
SPACE				29	C	30			SPACE
CONNECTED LOADS:					REMARKS:				
PHASE A:	KVA	AMPS	NEC KVA	NEC AMPS	PNL: SQ.DNQDD430M100 OR APPROVED EQUAL				
PHASE B:	8.3	69.2	9.1	75.8					
PHASE C:	7.3	60.8	7.0	58.6					
TOTAL:	7.0	58.7	7.7	64.4					

LIGHT FIXTURE SCHEDULE				
FIXTURE I.D.	DESCRIPTION & FINISH	VOLTAGE & FIXTURE VA	LAMPS & BALLAST	MOUNTING AND REMARKS MANUFACTURE/CATALOG NO.
HA	PENDANT MOUNTED H.I.D. SPUN ALUMINUM LOWBAY FIXTURE WITH 23" REFLECTOR/REFRACTOR LENS. UL DAMP LABEL.	277 460	(1) 400 PSMH CLEAR HFF-CW, FUSED -40° F	HUBBELL NO. BL-400-W-6-LB1-WH-CXHL OR APPROVED EQUAL.
HB	EXTERIOR SURFACE MOUNTED H.I.D. CAST ALUMINUM FIXTURE, GLASS LENS WITH PHOTOCELL	277 370	(1) 250 PSMH CLEAR HFF-CW, FUSED -40° F	SPALDING NO. SWP-250MH-DB-MT-PC-277 OR APPROVED EQUAL.
FA	SURFACE OR PENDANT MOUNTED FLUORESCENT, ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH HIGH IMPACT DIFFUSER. UL LISTED WET LOCATION.	277 57	(2) F3218/3500R/75CRI (MLC) 2850 INITIAL LUMENS HFF, ELECTRONIC BALLAST, 0° F STARTING TEMP. CONSTANT WATTAGE	COLUMBIA NO. LUN-4-2-32-EB6ZLH-277-SSL OR APPROVED EQUAL.
B1	WALL MOUNTED BATTERY OPERATED COMBINATION EXIT/EMERGENCY LIGHTING FIXTURE WITH WHITE UV STABILIZED THERMOPLASTIC HOUSING, SEALED LEAD CALCIUM BATTERY, AND SELF DIAGNOSTICS. FULLY AUTOMATIC SOLID STATE CHARGER AND TEST SWITCH, RED EXIT LETTERS ILLUMINATED BY HIGH OUTPUT LEDS. SELF DIAGNOSTICS SHALL MONITOR BATTERY VOLTAGE, LAMP CONTINUITY, UNIT PERFORMANCE, AND TEST THE UNIT BY OPERATING THE LAMPS FOR THREE MINUTES EVERY 30 DAYS AND FOR 30 MINUTES EVERY 6 MONTHS.	277 20	6 VOLT MR16 LAMPS	DUAL LITE NO. LTRSWD-1 OR APPROVED EQUAL.
B2	WALL MOUNTED BATTERY OPERATED EMERGENCY LIGHTING FIXTURE WITH NEMA 1 HEAVY GAUGE STEEL CABINET, SEALED LEAD CALCIUM BATTERY	277 20	9W, 6 VOLT TUNGSTEN	DUAL LITE NO. AS130 OR APPROVED EQUAL.

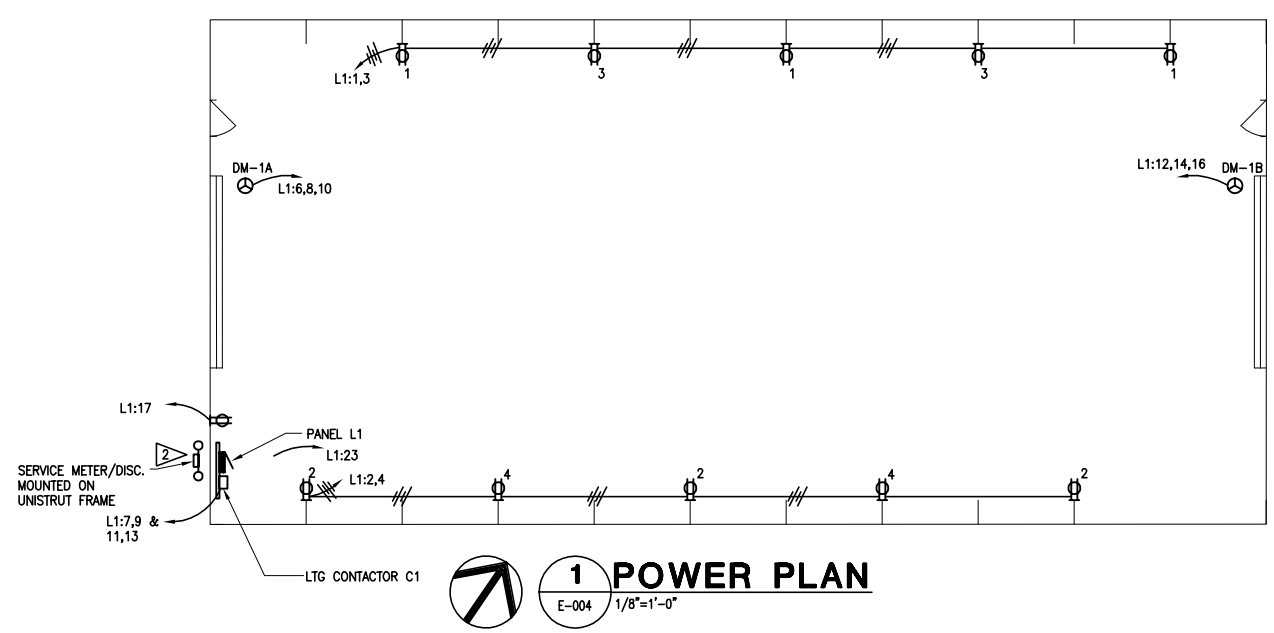
REPLACE BREAKERS WITH ONE POLE BREAKERS OF THE SAME CAPACITY



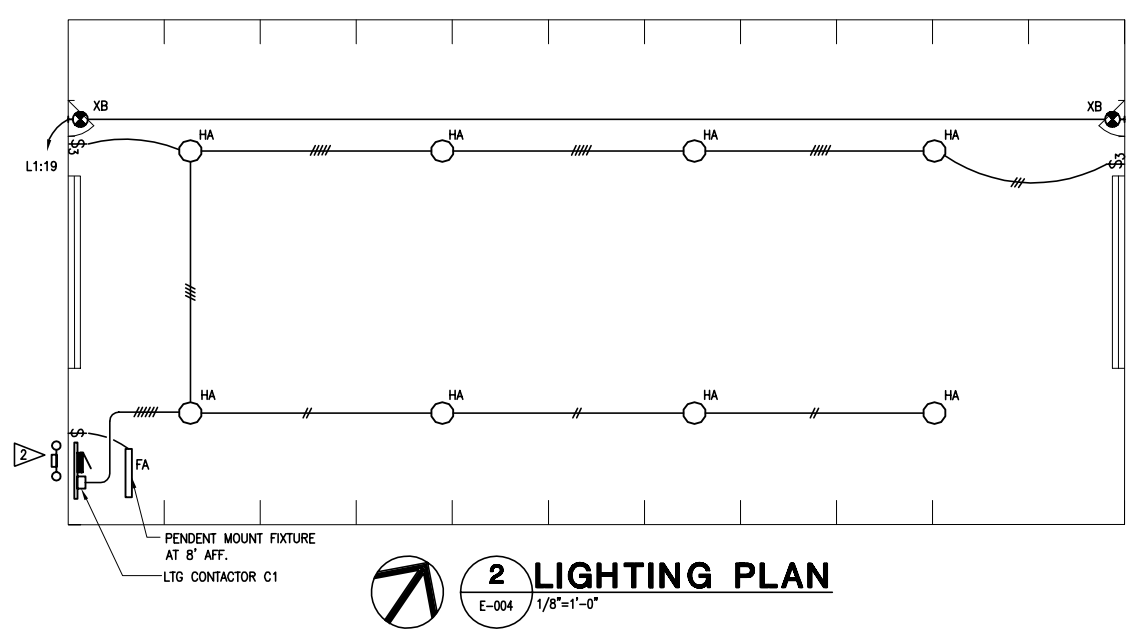
4 TRANSFORMER ONE-LINE DETAIL
E-003 SCALE: NONE

COFFMAN ENGINEERS
800 F. Street
Anchorage, Alaska 99501
907 276-6664 Fax 907 276-5042

REV. 3	05/20/05	UH-1/2 WERE 208V	DJI
REV. 1	02/16/05	LIGHTING MODIFICATION	DJI
PORT OF ANCHORAGE WARM STORAGE BUILDING (FABRIC STRUCTURE) MUNICIPALITY OF ANCHORAGE R&M CONSULTANTS, INC. ENGINEERS GEOLGISTS PLANNERS TESTLAB SURVEYORS & MAPPERS COMPUTER SERVICES 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507 PH: (907) 522-1707, FAX: (907) 522-3403			
RM PROJ. NO.: 410512	FABRIC STRUCTURE ELECTRICAL SCHEDULES AND ONE LINE DIAGRAM		SCALE: AS NOTED
DESIGNED BY: TJP			DATE: JULY 29, 2004
DRAWN BY: LAJ			DWG. NO.: E-003
CHECKED BY:			

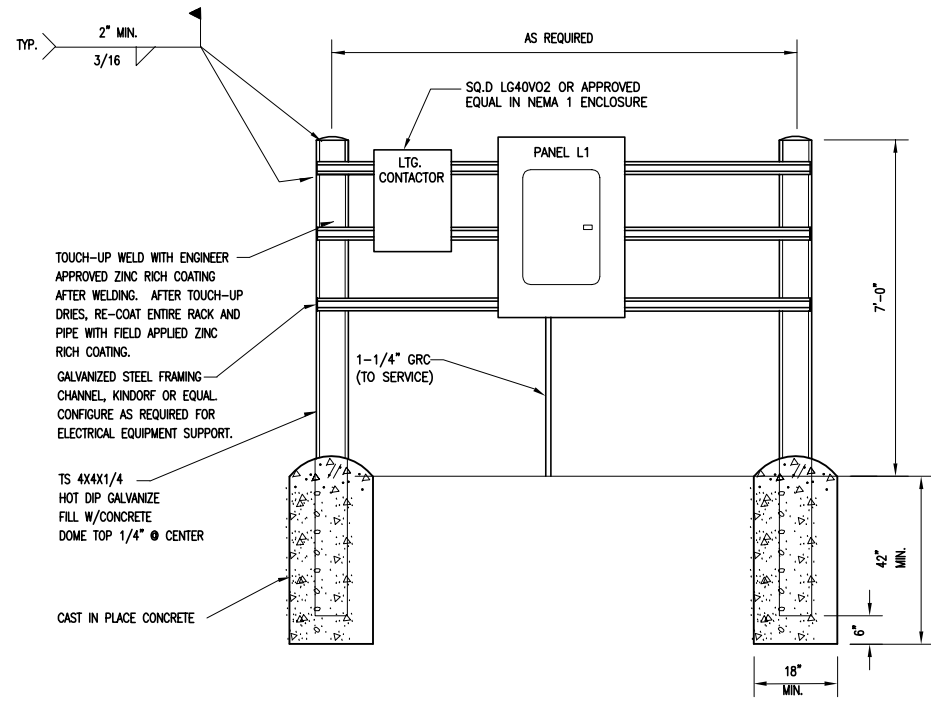
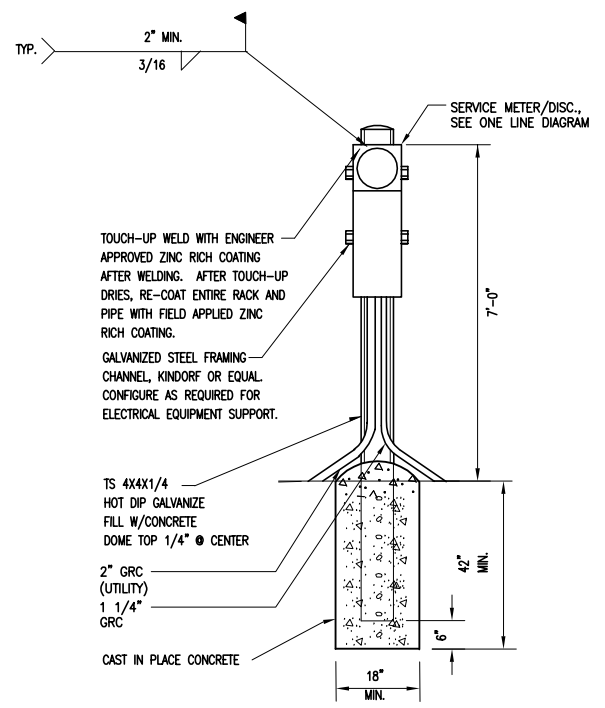


NOTES:
 1. SPACING BETWEEN LIGHTING FIXTURES IN ROWS APPROX. 20 FT
 2. COORDINATE WITH UTILITY FOR SPECIFIC SERVICE LOCATION. IF SERVICE LOCATION IS DIFFERENT FROM LOCATION SHOWN, PANEL WILL REMAIN IN THE SAME LOCATION, ROUTE SERVICE FEEDER TO IT. (4-#2XHHW Cu, 1-#6GND, 1-1/2" C)



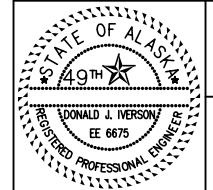
LOADCENTER SCHEDULE										PNL. L1					
A. I. C. RATING: 10,000										VOLTS: 208 120					
MOUNTING: SURFACE										BUS AMPS: 100					
										MAIN BKR.: 100					
CIRCUIT DESCRIPTION	LOAD TYPE	VA	BRKR	AMP8	CRKT #	PHASE	CRKT #	BRKR	LOAD VA	TYPE	CIRCUIT DESCRIPTION	BUS AMPS		MAIN BKR.	
												208	120	208	120
RCPT. NORTH WALL	R	540	20/1		1	A	2	20/1	540	R	RCPT. SOUTH WALL				
RCPT. NORTH WALL	R	360	20/1		3	B	4	20/1	360	R	RCPT. SOUTH WALL				
LTG. NORTH ROW	I	500	20/2		5	C	6	20/3	1051	M	DM-1A 3/4HP				
LTG. NORTH ROW	I	500	" "		7	A	8	" "	1051	M	DM-1A 3/4HP				
LTG. SOUTH ROW	I	500	20/2		9	B	10	" "	1051	M	DM-1A 3/4HP				
LTG. SOUTH ROW	I	500	" "		11	C	12	20/3	1051	M	DM-1B - 3/4 HP				
SPARE			20/1		13	A	14	" "	1051	M	DM-1B - 3/4 HP				
SPARE			20/1		15	B	16	" "	1051	M	DM-1B - 3/4 HP				
SPARE			20/1		17	C	18	" "			SPACE				
LTG. EXIT	I		15/1		19	A	20				SPACE				
RCPT. BY PANEL	R	180	20/1		21	B	22				SPACE				
LTG. BY PANEL	I	57	15/1		23	C	24				SPACE				
SPACE					25	A	26				SPACE				
SPACE					27	B	28				SPACE				
SPACE					29	C	30				SPACE				
CONNECTED LOADS:										REMARKS:					
		KVA	AMP8	NEC KVA	NEC AMP8	PNL: SQ.DNQD430M100 OR APPROVED									
PHASE A:		3.7	30.7	4.1	33.9	EQUAL									
PHASE B:		3.5	29.2	3.9	32.4										
PHASE C:		3.2	26.3	3.7	30.7										
TOTAL:		10.3		11.6											

LIGHT FIXTURE SCHEDULE				
FIXTURE I.D.	DESCRIPTION & FINISH	VOLTAGE & FIXTURE VA	LAMPS & BALLAST	MOUNTING AND REMARKS MANUFACTURE/CATALOG NO.
HA	PENDANT MOUNTED H.L.D. SPUN ALUMINUM LOWBAY FIXTURE WITH 23" REFLECTOR/REFRACTOR LENS. UL DAMP LABEL.	208 250	(1) 200 PSMH CLEAR HPF-CW, FUSED -40" F	HUBBELL NO. BL-200-W-8-LB1-WH-CXHL OR APPROVED EQUAL.
FA	SURFACE OR PENDANT MOUNTED FLUORESCENT, ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH HIGH IMPACT DIFFUSER. UL LISTED WET LOCATION.	120 57	(2) F32T8/3500K/75CRI (MIN.) 2850 INITIAL LUMENS HPF, ELECTRONIC BALLAST, 0" F STARTING TEMP. CONSTANT WATTAGE	COLUMBIA NO. LUN-4-2-32-EB8ZLH-120-SSL OR APPROVED EQUAL.
B1	WALL MOUNTED BATTERY OPERATED COMBINATION EXIT/EMERGENCY LIGHTING FIXTURE WITH WHITE UV STABILIZED THERMOPLASTIC HOUSING, SEALED LEAD CALCIUM BATTERY, AND SELF DIAGNOSTICS. FULLY AUTOMATIC SOLID STATE CHARGER AND TEST SWITCH. RED EXIT LETTERS ILLUMINATED BY HIGH OUTPUT LEDS. SELF DIAGNOSTICS SHALL MONITOR BATTERY VOLTAGE, LAMP CONTINUITY, UNIT PERFORMANCE, AND TEST THE UNIT BY OPERATING THE LAMPS FOR THREE MINUTES EVERY 30 DAYS AND FOR 30 MINUTES EVERY 6 MONTHS.	120 20	6 VOLT MR16 LAMPS	DUAL LITEND. LITSRWD-1 OR APPROVED EQUAL.



P:\04020 POA Annual Inspection 2004\Task 997 - Security Fabric Building\Drawings\04020E-004.dwg, E-004, 8/2/2004 9:48:22 AM, 1:2

COFFMAN ENGINEERS
800 F Street
Anchorage, Alaska 99501
907 276-6664 Fax 907 276-5042



PORT OF ANCHORAGE
WARM STORAGE BUILDING (FABRIC STRUCTURE)
 MUNICIPALITY OF ANCHORAGE

R&M CONSULTANTS, INC.
 ENGINEERS GEOLGISTS PLANNERS TESTLAB
 SURVEYORS & MAPPERS COMPUTER SERVICES
 9101 VANGUARD DRIVE, ANCHORAGE, AK 99507
 PH: (907) 522-1707, FAX: (907) 522-3403

FABRIC SECURITY BUILDING ELECTRICAL PLAN & DETAILS

RM PROJ. NO.: 410512
 DESIGNED BY: TJP
 DRAWN BY: LAI
 CHECKED BY:

SCALE: AS NOTED
 DATE: JULY 29, 2004
 DWG. NO.: E-004

**CERTIFICATE OF DESIGN AND MANUFACTURING CONFORMANCE
FOR COVER-ALL BUILDING SYSTEMS**

All components of the steel and fabric building system described below have been or will be designed and fabricated in accordance with the standards and loads listed below

1. DESCRIPTION

AP / Ref Number: 66068 / DSN 1650
 Building Type and Size: 72' x 120' @ 8' O.C. - LBS - LEGEND BUILDING
 Use and Occupancy: S-2 (STORAGE LOW HAZARD)
 Site Location (Civic Address): 2000 ANCHORAGE PORT RD. ANCHORAGE, AK
 Applicable Building Code: ALASKA BUILDING CODE 2003 (IBC)
 Fabric Type: FR
 Construction Type: TYPE II B

Builder's Name and Address: ALASKA COVER-ALL ANCHORAGE, AK
 Owner's Name and Address: ALASKA DREAMS INC. FAIRBANKS, AK

Building Legal Address: PORT OF ANCHORAGE
2000 ANCHORAGE PORT ROAD
ANCHORAGE, AK 99501

2. DESIGN CRITERIA

Design Standard: ASCE 7-98
 Occupancy Category: LOW HAZARD
 Exposure Category: EXPOSURE D
 Importance Factor Wind (Iw): 0.87
 3 Second Gust (Mph): 100
 Importance Factor Snow (Is): 0.8
 Ground Snow Load (Psf): 57
 Roof Live Load (Psf): 40
 Roof Collateral (Psf): 0.25
 Building Dead Load (Psf): 1.50

DESIGN IS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE 1989 AISC (9th Edition) AND 1989 AISI SPECIFICATIONS

GENERAL

THIS DRAWING INCLUDING INFORMATION HEREON, REMAINS THE PROPERTY OF COVER-ALL BUILDING SYSTEMS INC. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE SALES ORDER AND SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF COVER-ALL BUILDING SYSTEMS INC.

THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE, GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN CONFORMANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION INCLUDING THE PROPER USE OF TEMPORARY BRACING.

COVER-ALL BUILDING SYSTEMS INC. IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DAMAGES INCURRED IN THE ERECTION OF THE COMPONENTS SHOWN ON THIS DRAWING, NOR FOR THE INSPECTION OF ERECTED COMPONENTS TO DETERMINE SAME.

THIS CERTIFICATION AND ENGINEERING SEAL APPLIES ONLY TO PRODUCTS DESIGNED AND FABRICATED BY COVER-ALL BUILDING SYSTEMS INC. FOR THE LOADING CONDITIONS DESIGNATED ON THESE DRAWINGS. CONCRETE FOUNDATIONS, STEEL COMPONENTS BY OTHERS AND ERECTION SUPERVISION ARE NOT THE RESPONSIBILITIES OF COVER-ALL BUILDING SYSTEMS INC. OR THE CERTIFYING ENGINEER. ALL DOORS, WINDOWS AND ROLL-UP CURTAINS MUST BE DESIGNED TO SUPPORT THE SITE WIND LOADING AND ARE RELIED ON TO BE CLOSED IN THE EVENT OF HIGH WINDS.

ANCHOR BOLTS.

ANCHOR BOLT DIAMETERS ARE DETERMINED IN ACCORDANCE WITH CSA STANDARD CAN3-S16.1 USING $F_y = 36$ KSI (248 MPa). ANCHOR BOLT LENGTHS AND LOAD TRANSFER TO THE FOUNDATION ARE TO BE DETERMINED BY OTHERS.

ANCHOR BOLT PROJECTIONS BASED ON NO GROUT ARE AS FOLLOWS:
 MIN. 1 3/4" (44mm) MAX. 2 1/2" (64mm).

FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR BOLTS MUST BE ACCURATELY PLACED AS SHOWN ON THE DRAWINGS.

FINISHED FLOOR ELEVATIONS AND UNDERSIDE OF BASE PLATE IS 100'-0" & Chr(34) & " (1000.000mm) UNLESS NOTED.

ERECTION.

THE ERECTOR MUST PROVIDE SAFE WORKING CONDITIONS AND PRACTICES CONFORMING TO ALL SAFETY REGULATIONS. ALL LIFTING DEVICES ARE TO BE SPECIFICALLY DESIGNED TO LIFT THE VARIOUS BUILDING COMPONENTS. SLINGS AND SPREADER BARS ARE TO BE USED TO PREVENT PERMANENT DEFORMATION OF ALL STRUCTURAL COMPONENTS.

ERECTION SHOULD START AT A BRACED BAY. ERECT AND TEMPORARILY SUPPORT TRUSSES. USE TEMPORARY BRACING AS REQUIRED TO ENSURE STABILITY OF THE FRAMES. INSTALL PURLINS AND CROSS BRACING. PLUMB AND SQUARE TRUSSES IN ACCORDANCE WITH CAN3-S16.1 AND OSHA 29 CFR PART 1926 - SAFETY STANDARD FOR STEEL ERECTION.

ENSURE ALL PURLINS REMAIN PARALLEL.

STRUCTURAL FRAMING MEMBERS ARE CONSIDERED PLUMB, LEVEL, AND ALIGNED WHEN THE VARIANCE DOES NOT EXCEED 1:300.

STRUCTURAL BOLTS.

BOLTS IN CONNECTIONS NOT SUBJECT TO TENSION LOADS, OR WHERE LOOSENING DUE TO VIBRATION OR LOAD FLUCTUATIONS ARE NOT DESIGN CONSIDERATIONS NEED ONLY BE SNUG TIGHTENED, WHICH IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLYS IN A JOINT ARE IN FIRM CONTACT.

ALL BOLTS LARGER THAN 1" (25mm) DIA CONFORM TO ASTM A325.
 ALL OTHER DIA BOLTS CONFORM TO SAE GR.5 OR EQUIVALENT.
 ALL BOLTS SHALL BE PLATED / GALVANIZED OR SUNSEAL COATED.
 ALL BOLT REFERENCES REQUIRE BOTH BOLT AND NUT.

BOLTS IN CONNECTIONS SUBJECT TO TENSION LOADS REQUIRE PRE-TENSIONING TO MINIMUM TENSION.
 -VALUES AS SHOWN IN THE TABLE BELOW--

SIZE		Gr 5/A325	
in	mm	kips	kN
5/8	16	18	80
3/4	19	28	125
7/8	22	39	174
1.0	25	51	227
1 1/8	29	56	249
1 1/4	32	71	316

STRUCTURAL BOLT TORQUE VALUES.

TABLE B LISTS THE BOLT CLAMP LOADS WITH A SUGGESTED ASSEMBLY TORQUE VALUES.

SIZE		Gr 5/A325				
Dia. (Inch)	Threads Per Inch	Tensile ksi (Min)	Proof Load lbs	Clamp Load lbs	Torque Dry ft-lbs	Torque Lube ft-lbs
3/8	16	120	6600	4950	30	23
7/16	14	120	9050	6780	50	35
1/2	13	120	12100	9050	75	55
5/8	11	120	19200	14400	150	110
3/4	10	120	28400	21300	260	200
1 1/4	7	105	71700	53800	1120	840

MATERIAL SPECIFICATIONS.

ROLLED STRUCTURAL SECTIONS CONFORM TO CSA G40.21-44W (300W).

STRUCTURAL PLATE CONFORMS TO THE FOLLOWING SPECIFICATIONS:
 PLATES G40.21 44W G40.21/ASTM A572 GR 44 (300W).
 H.S.S. G40.21 50W G40.21/ASTM A572 GR 50 (350W).

COATINGS OF STRUCTURAL PLATES ARE DONE IN-LINE, HOT-DIPPED GALVANIZED TO A NOMINAL COATING ZINC WEIGHT OF 2.0 oz/sq ft (600 g/sq m) (3.4mil).

COATINGS OF TUBES ARE DONE IN-LINE, HOT-DIPPED GALVANIZED TO A NOMINAL COATING ZINC WEIGHT OF 0.6 oz/sq ft (180 g/sq m) (1.0mil).

CHROMATE CONVERSION COATING APPLIED OVER THE GALVANIZED SURFACE TO PROVIDE ADDITIONAL CORROSION PROTECTION.

CLEAR ORGANIC POLYMER APPLIED AS THE TOP SURFACE COAT TO RETARD OXIDATION ENHANCE SURFACE APPEARANCE AND PROVIDE A PRIMER BASE FOR SUBSEQUENT MOLDED ZINC APPLIED TO ALL WELDS.

ALL VIPERSTEEL WITH GATORSHIELD WILL DEMONSTRATE THE ABILITY TO WITHSTAND A MINIMUM OF 2000 HOURS OF ACCELERATED SALT FOG TESTING TO THE CONDITION OF 5% SURFACE RED RUST, WHEN TESTED IN ACCORDANCE WITH ASTM B117 STANDARDS.

DIAGONAL BRACE STEEL CABLE EXTRA HIGH STRENGTH PER ASTM A475.
 CROSS CABLES - #5/16" (8mm) TYP. U/N.

STRUCTURAL COMPONENTS ARE AS FOLLOWS:
 ARCH: #2 7/8" (73mm) TUBES - 24" (610mm) C-C USING #1" (25mm) WEB.
 LEG: #2 7/8" (73mm) TUBES - 24" (610mm) C-C USING #1" (25mm) WEB.
 #1"x1/4ga & #5"x7ga/8ga - MIN YIELD STRENGTH = 50ksi (344MPa).
 ALL OTHER SIZE/GAUGES - MIN YIELD STRENGTH = 55ksi (379MPa).

FABRIC / LINER NOTES.

EXTERIOR FABRIC IS AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED. ALL TEARS MUST BE PATCHED IMMEDIATELY TO AVOID WARRANTY PROBLEMS.

FABRIC SPECIFICATIONS.

ALL POLYOLEFIN MEMBRANES WILL POSSESS THE FOLLOWING MINIMUM SPECIFICATIONS:

PHYSICAL	PROPERTIES	DESCRIPTION
Base scrim	HOPE 1600 denier yarn	High Density Polyethylene.
Coating thickness	4 mil (95 gsm) ea. side	Minimum 4 to 6 mil exterior coating on each side of base scrim.
Surface type	Modified LDPE c/w UV & FR	Modified Low Density Polyethylene coating with UV inhibitors.
Weight	12.5 oz. / sq yd. (410 gsm)	Minimum 12.5 oz. / sq yd.
STRENGTH	PROPERTIES	TEST STANDARD
Grab tensile strength	360 lb. (1602 N)	ASTM D-5034.
Tongue tear strength	120 lb. (534 N)	ASTM D-2281.
Strip tensile strength	260 lb. (1157 N)	ASTM D-5035.
Mullen burst	690 lb. (4757 kPa)	ASTM D-3786.
Thickness	23 mils (0.59mm)	ASTM D-5199.
Hydrostatic resistance	171 psi. (1180 kPa)	ASTM D-751A.
Cold crack	Pass -60 °F	ASTM D-2136.
% Light transmission	13%	ASTM E-903.
UV & Weathering	90% retention after 2000 hr.	ASTM D-4399.
Permittivity	2.5 x 10E-6 cm/s	ASTM D-4491.
FIRE	PROPERTIES	TEST STANDARD
California Fire Marshal	FA - 51405	Local.
Boston Fire Department	Car. # 44670	Local.
Large Scale Test	Pass Char 5.0 Drip No	NFPA 701.
Small Scale Test	Pass Char 4.5 Drip No	NFPA 701.
Scale Flame Spread	Pass Char 6.5 FS 10 SD 58	ASTM E-84.
Drip Test	Pass Char No. FS 5 SD 170	CAN/ULC S-109.
Drip Flame Spread	Pass Char 6.5 FS 10 SD 58	CAN/ULC S-102.
Fire Property Retention	Pass Char 8.7 Drip No	UBC 31-1.

DRAWING SCHEDULE		REVISIONS					
DWG #	DRAWINGS TITLE	REV.	DATE	REV.	DATE	REV.	DATE
FB01	COVERPAGE	1	15 OCT 04				
FB02	PROJECT LAYOUT	1	15 OCT 04				
FB03	BASE PLATE LAYOUT	1	15 OCT 04				
FB04	DESIGN CRITERIA	1	15 OCT 04				
FB05	BUILDING PROFILE	1	15 OCT 04				
FB06	BRACING LAYOUT	1	15 OCT 04				
FB07	ENDWALL - GRIDLINE 1	1	15 OCT 04				
FB08	ENDWALL - GRIDLINE 16	1	15 OCT 04				
FB09	STANDARD DETAILS 1	1	15 OCT 04				
FB10	STANDARD DETAILS 2	1	15 OCT 04				
FB11	STANDARD DETAILS 3	1	15 OCT 04				
FB12	END DETAILS	1	15 OCT 04				
FB13	END DETAILS 2	1	15 OCT 04				

ROOF PLAN NOTES.

UNLESS NOTED, USE #5/8" (16mm) BOLTS FOR PURLIN TO TRUSS, CABLE OR ROD BRACING TO TRUSS AND ANGLES TO TRUSS FOR ALL CONNECTIONS.

CABLE / ROD AND PURLIN BRACING ARE AN INTEGRAL PART OF THE TRUSSES STRUCTURAL SYSTEMS AND SHOULD BE PROPERLY INSTALLED PRIOR TO ERECTION OF FABRIC ROOF AND ENDWALL PANELS. REMOVAL OR ALTERATION OF ANY BRACING WITHOUT PRIOR AUTHORIZATION FROM COVER-ALL BUILDING SYSTEMS INC. IS PROHIBITED.

ELEVATION NOTES.

HOLES REQUIRED IN HSS COLUMNS, HEADERS OR PURLINS FOR FRAMED OPENINGS, DOOR OR WINDOW POST CONNECTION TO BE BY ERECTOR.

WALK DOOR, WINDOW AND FRAMED OPENING POSTS, TO BE FIELD ANCHORED TO CONCRETE WITH #1/2" (13mm) "HILTI KWIK-BOLTS" OR SIMILAR.

PARTITION WALL NOTE.

FIELD INSTALLATION OF PARTITION WALL TO UNDERSIDE OF ANY ARCH FRAMING MEMBERS MUST ALLOW FOR VERTICAL BUILDING DEFLECTION. CONTACT COVER-ALL BUILDING SYSTEMS INC. FOR REQUIRED CLEARANCES.

MATERIAL STORAGE.

GALVANIZED, ALUMINIZED, AND COLORED MATERIALS ARE SUBJECT TO CORROSION AND DISCOLORATION IF THEY ARE IMPROPERLY STORED. SHORT TERM JOB SITE STORAGE OF STEEL COMPONENTS MAY BE TOLERATED, PROVIDED CARE IS TAKEN TO KEEP THE MATERIALS DRY AT ALL TIMES. WHEN TRUSSES ARE TO BE STORED OUTDOORS, THEY SHOULD BE PLACED AT AN ANGLE SUFFICIENT TO PROMOTE GOOD DRAINAGE. IN ADDITION, SEVERAL INCHES OF CLEARANCE MUST BE PROVIDED BETWEEN THE LOWER END AND THE GROUND TO ALLOW VENTILATION.

NOTE: COVER-ALL BUILDING SYSTEMS INC. WILL NOT BE HELD RESPONSIBLE FOR MATERIALS WHICH ARE IMPROPERLY PROTECTED AFTER DELIVERY.

MANUFACTURING STANDARDS.

FABRICATION IS IN ACCORDANCE WITH CAN/CSA-S16.1 AND CAN/CSA-S136, AS APPLICABLE.

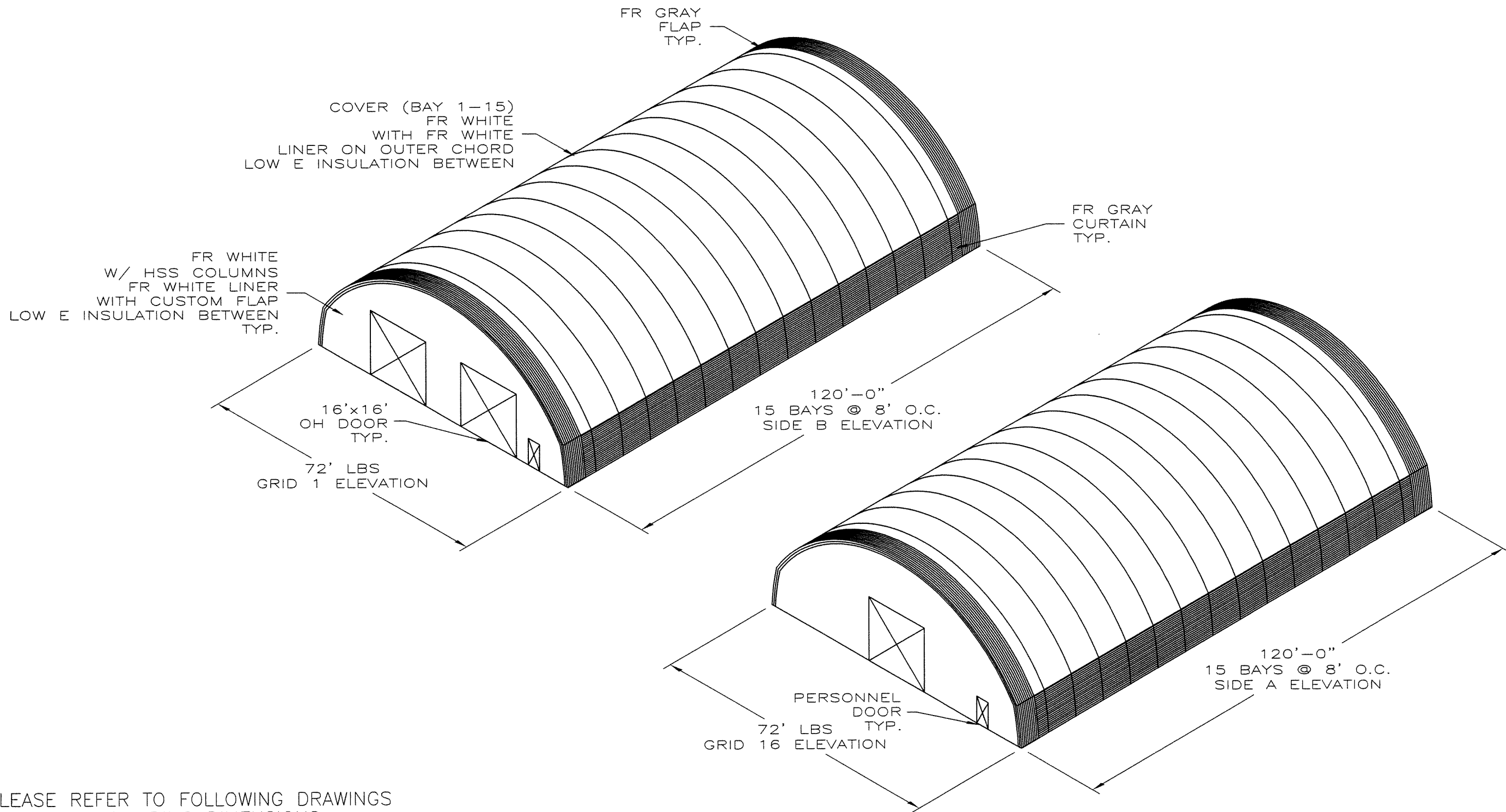
COVER-ALL BUILDING SYSTEMS INC. IS A CWB CERTIFIED DIVISION 2.1 MANUFACTURER OF TRUSSES. ALL WELDS ARE COMPLETED IN SHOP AS PER CWB STANDARD CSA W47.1 AND W58. THIS CERTIFICATION MEETS WITH AWS D1.1, CRITERIA. AS PART OF OUR CWB CERTIFICATION (AN INDEPENDENT 3RD PARTY) TESTS OUR WELDERS AND PROCEDURES AND OURS OUR FACILITIES.



BUILDING SYSTEMS
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 WEBSITE: www.coverall.net

DEALER: ALASKA COVER-ALL ANCHORAGE, AK
 CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK
 PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE
 PROJECT ID: DSN 1650 ORDER ID: 66068
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 CHECKED BY: R/W DATE: 18 OCT 04
 SCALE: N.T.S.

REV.	DESCRIPTION	BY	DATE
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PLEASE REFER TO FOLLOWING DRAWINGS FOR EXACT BUILDING DIMENSIONS

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PROJECT ID: DSN 1650
 ORDER ID: 66068

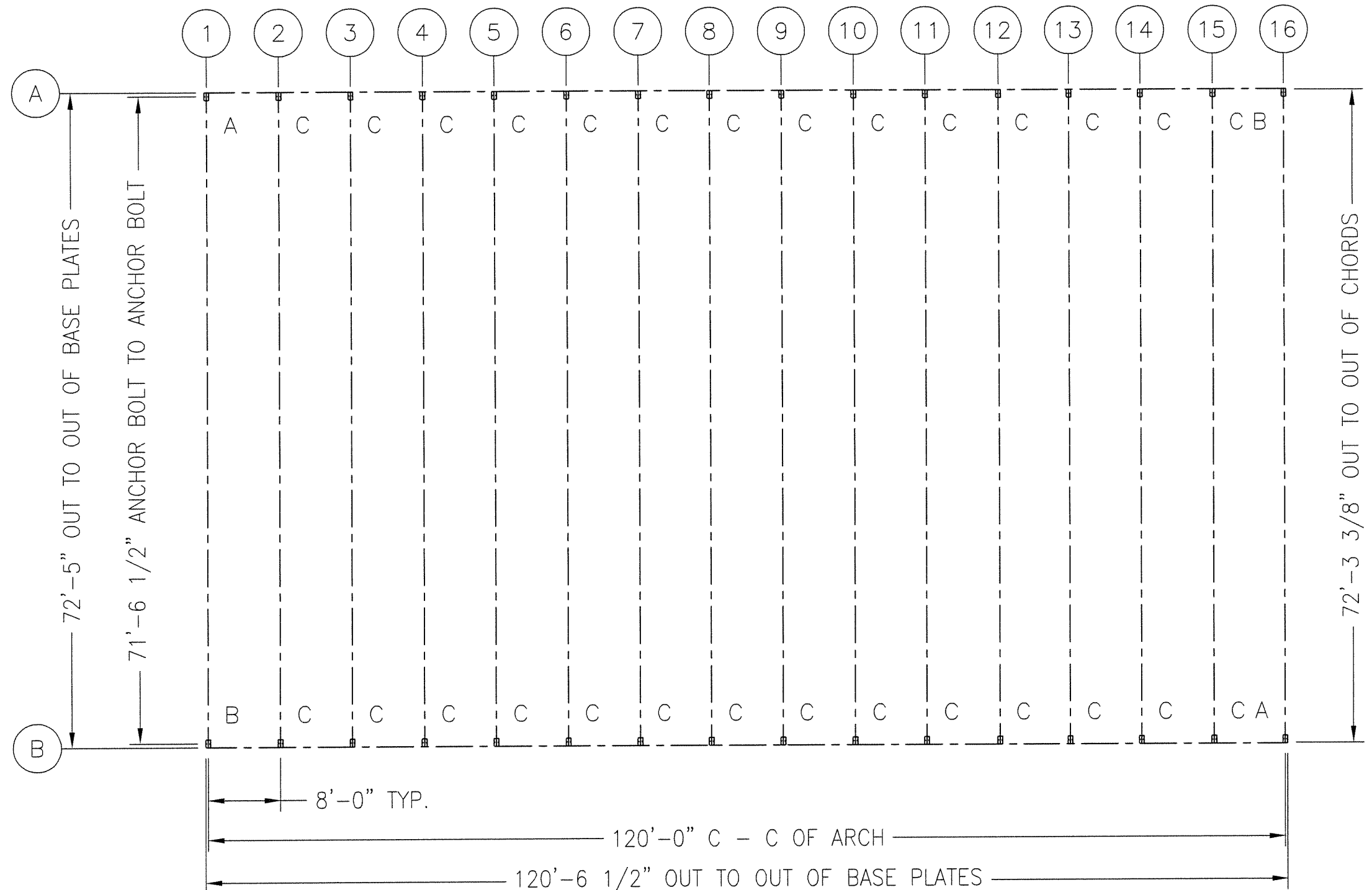
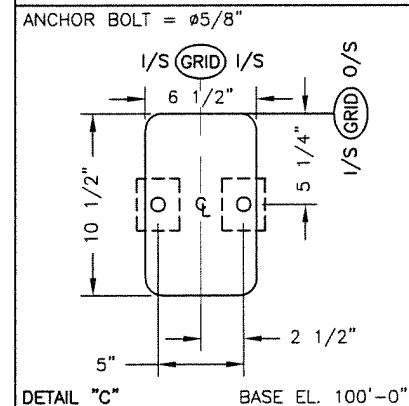
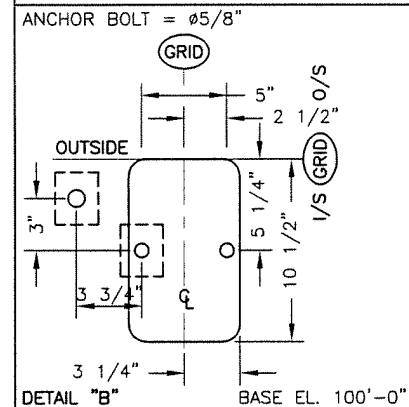
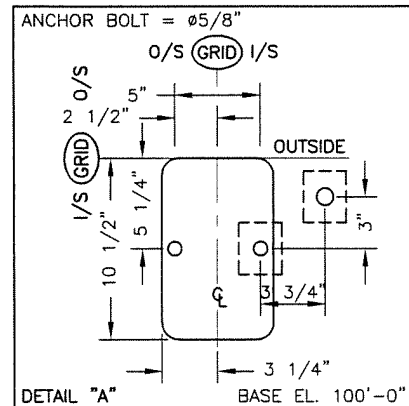
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FILE: PROJECT LAYOUT
 SHEET: FB02
 REVISION: 1



BASE PLATE LAYOUT

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FILE: BASE PLATE LAYOUT

SHEET: FB03

REVISION: 1

Legend Building Series - 72' Ground Mount American Structural Evaluation 8 Foot Frame Spacing

Evaluation Summary

This evaluation covers a LBS 72' in span with frames spaced at 8' on center. The structure is intended to be used as permanent, stand alone, and fully enclosed. The structure is designed for the loads listed below in accordance with the American Society of Civil Engineers: Minimum Design Loads for Buildings and Other Structures (ASCE7-98). Any deviation outside the criteria listed below is subject to review by the Professional Engineer for that specific project.

Wind Rating

Wind Speed (3 Second Gust): 100 mph
 Exposure Category: D
 Building Category: Low Hazard
 Basic wind pressure: 20.9 psf @ 23' elevation
 Enclosure: Fully Enclosed

Snow Rating

Ground Snow Load: 57 psf
 Roof Live Load: 40 psf
 Building Category: Low Hazard
 Wind Exposure: Fully Exposed

Allowable Hanging Loads on Frames

Hung loads have been assumed to be less than 0.25 psf (approximately 144 pounds distributed along the frame). Additional load will reduce the snow load capacity accordingly.


Base Reactions for Maximum Rated Loads

The maximum forces at the foundations/supports due to the rated loads and criteria are as follows:

At Anchor Pin -	Shear (k)	Down (k)	Up (k)
Snow:	4.4	6.8	---
Wind: Perpendicular	2.4	---	1.0
Wind: Parallel	0.3	---	2.2*

* add 4.2 (k) at tension anchor (2nd interior frame, as labelled on Baseplate Layout)

At Wind Post Base -	Shear (k)	Down (k)	Up (k)
Wind: Parallel	1.5	---	---

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					CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK				
					PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE	DRAWN BY: M DALE CHECKED BY: ES Rjw SCALE: N.T.S.	DATE: 15 OCT 04 DATE: 18 OCT 04		
1	RELEASED	MD	15 OCT 04		PROJECT ID: DSN 1650	ORDER ID: 66068	FILE: DESIGN CRITERIA	SHEET: FB04	REVISION: 1
REV.	DESCRIPTION	BY	DATE						

INTERIOR ARCH

ITEM#	QTY
30003050	4
30003060	2

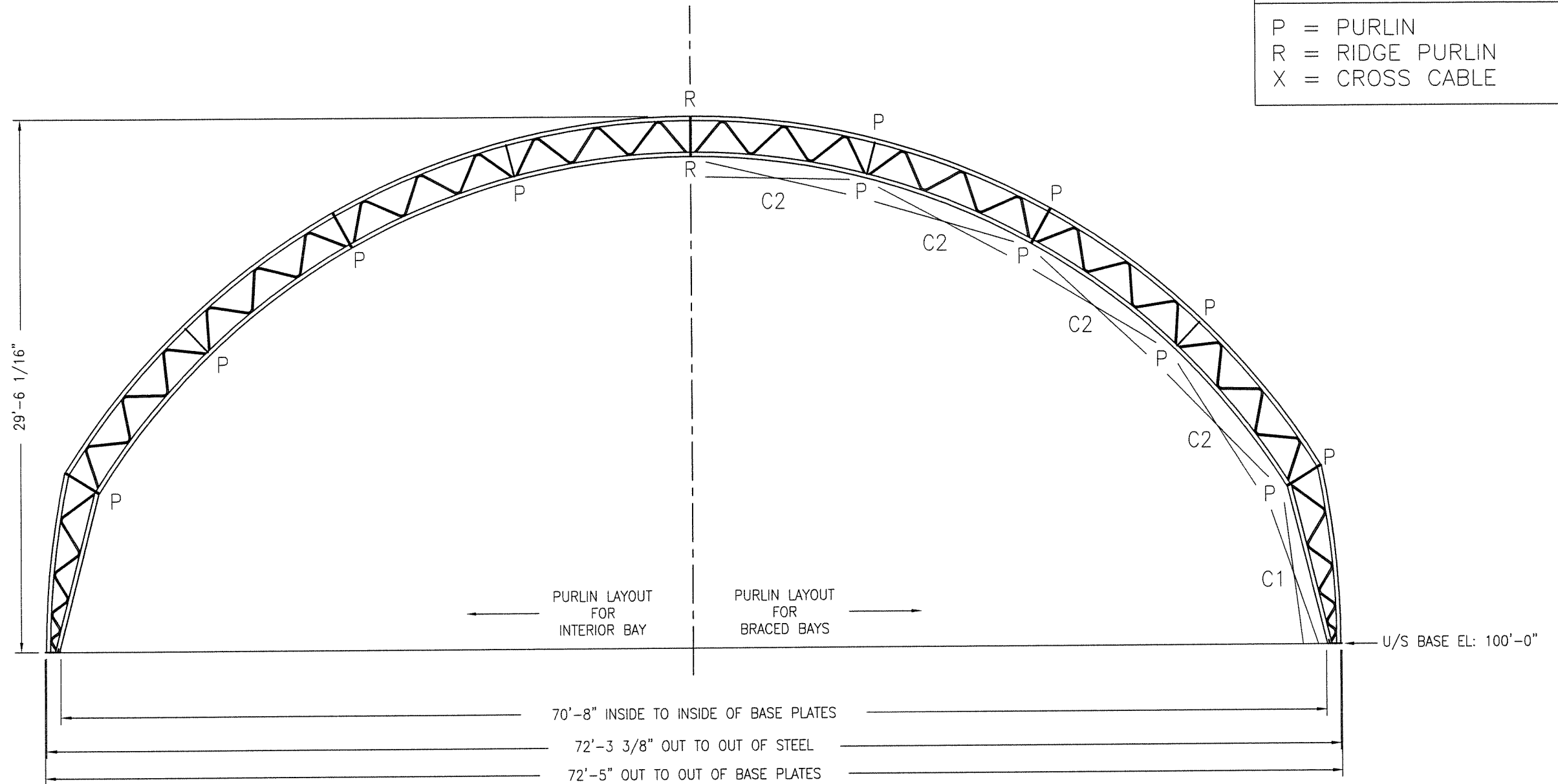
END ARCH

ITEM#	QTY
30003055	4
30003070	1
30003065	1

APPROX. WEIGHT OF INTERIOR TRUSS W/ BOLTS = 768LB

BRACING LEGEND

P = PURLIN
R = RIDGE PURLIN
X = CROSS CABLE



LBS 72'		8' BAY	
ITEM#	LENGTH	ITEM#	LENGTH
C1 CABLE	861151-9	151"	
C2 CABLE	861157-9	157"	

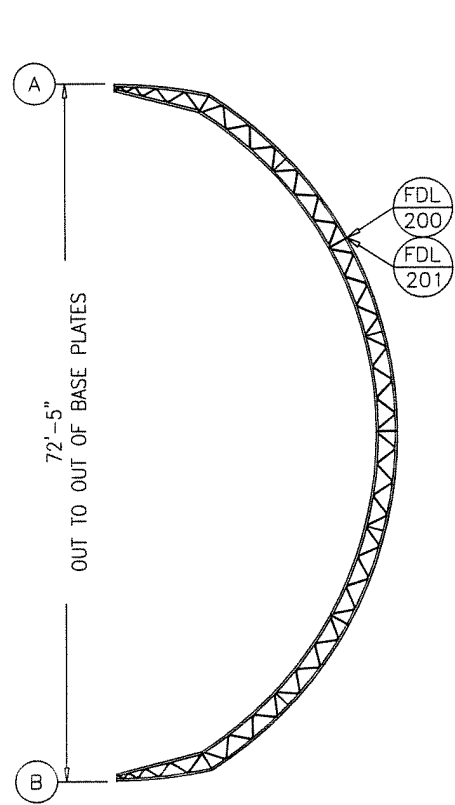
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 PROJECT ID: DSN 1650 ORDER ID: 66068

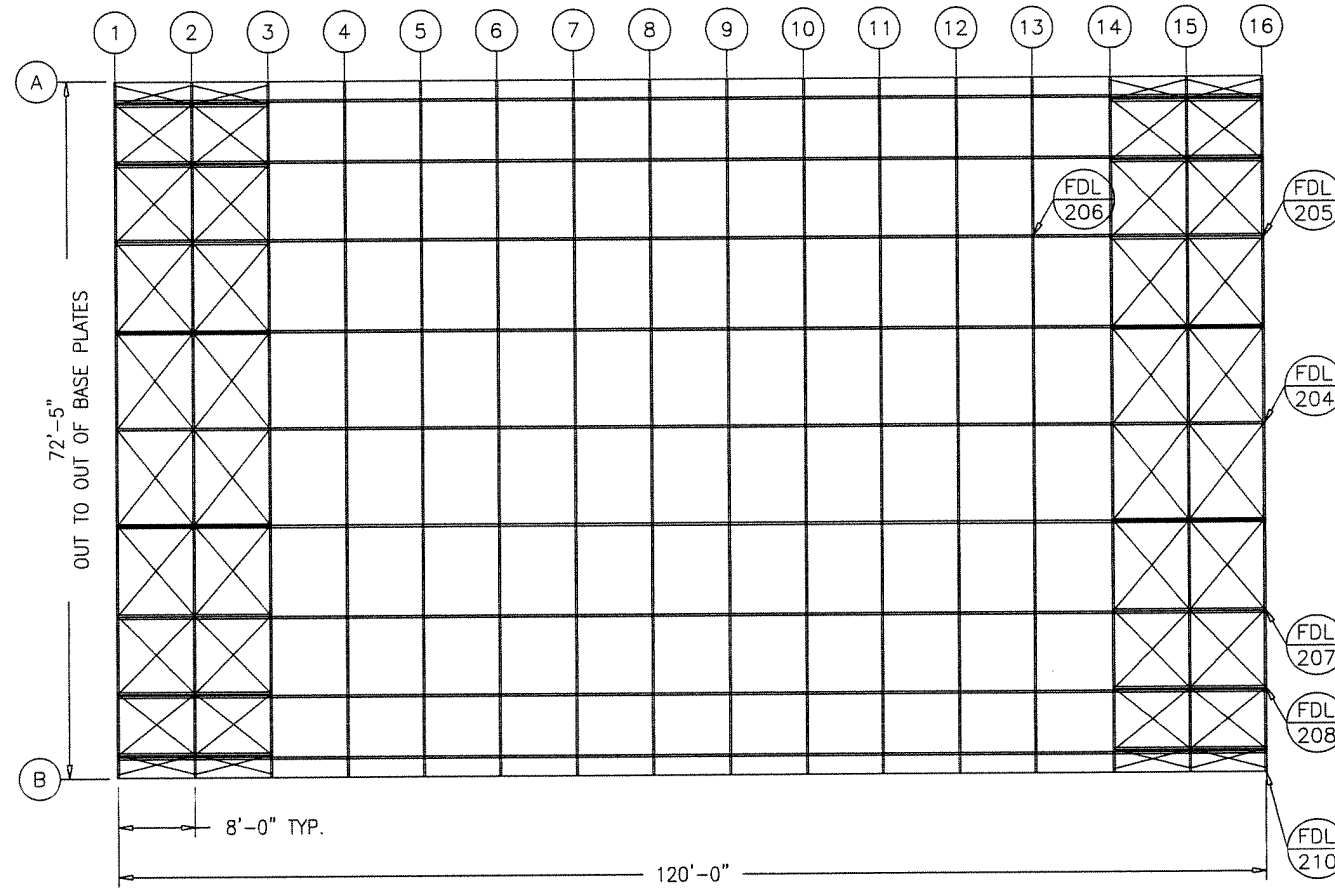
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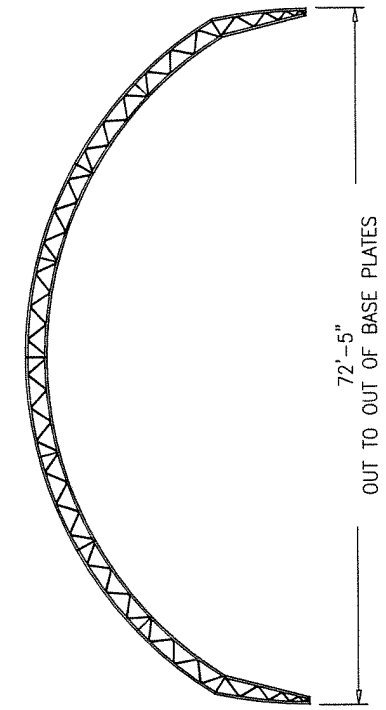
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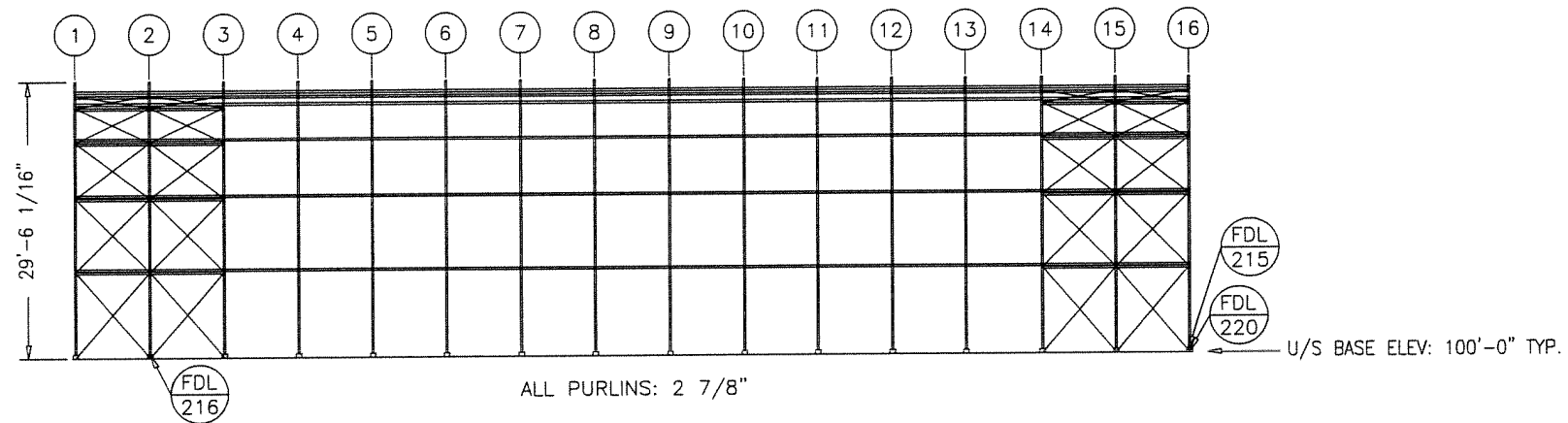
LEFT ELEVATION



PLAN



RIGHT ELEVATION



SIDE ELEVATION

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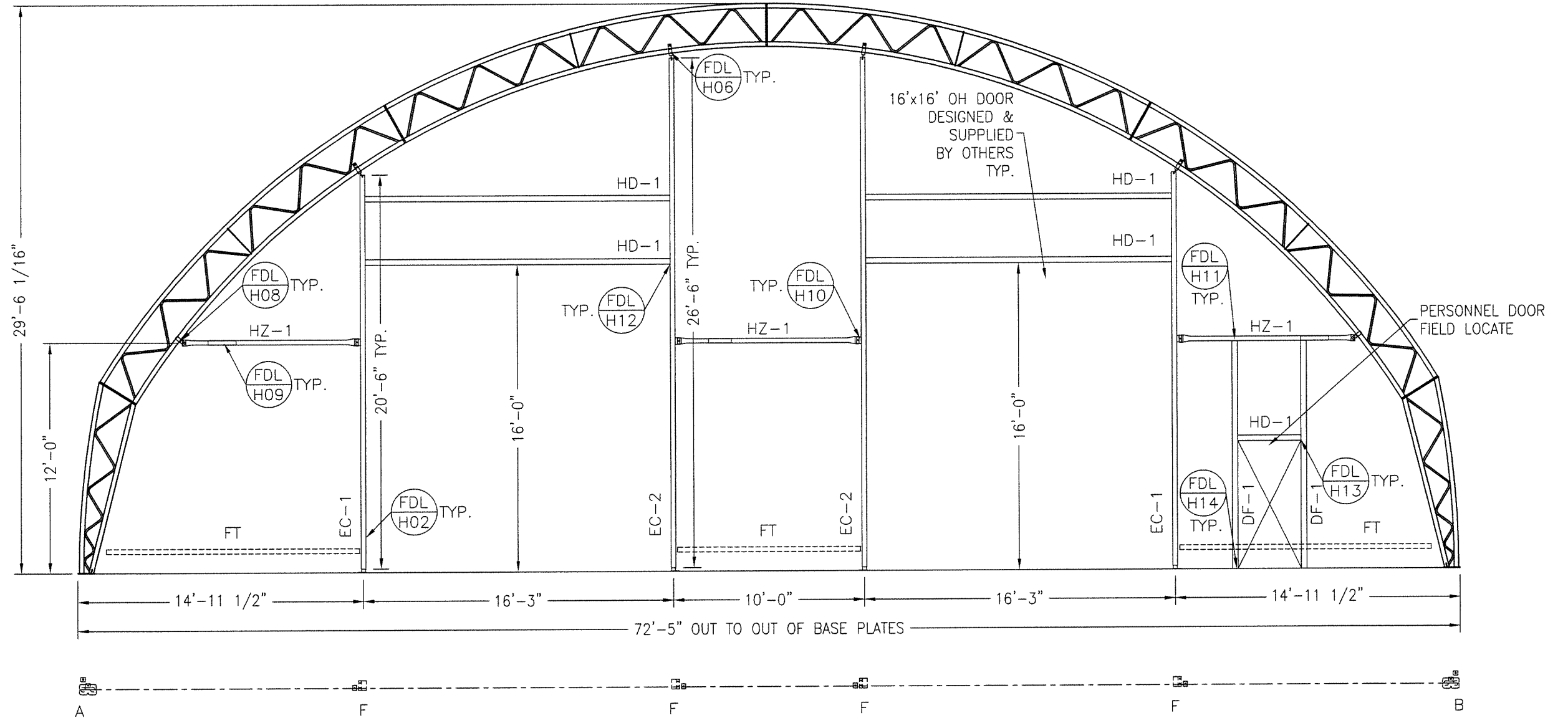
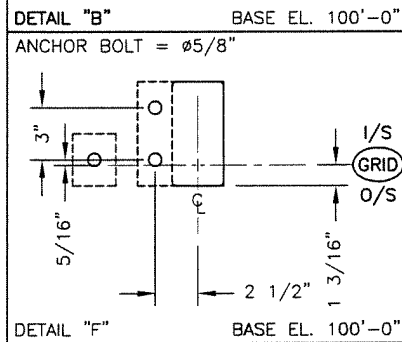
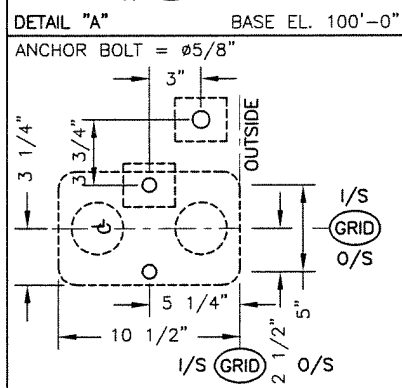
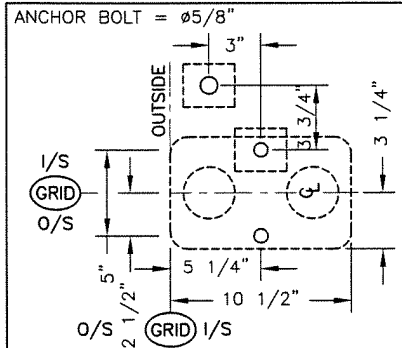
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FILE: BRACING LAYOUT	SHEET: FB06	REVISION: 1
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VERTICAL DIMENSION FROM GROUND TO TOP OF HSS.

MARK#	COMPONENTS	WEIGHT
EC-2	HSS3x6-318L	283.55
EC-1	HSS3x6-246L	219.35
HZ-1	330550 + 32000045	25.63
HD-1	804758 CUT AS REQUIRED	76.90
DF-1	804759 CUT AS REQUIRED	57.58
FT	2" x 3" FASTENING TUBE (FIELD CUT)	



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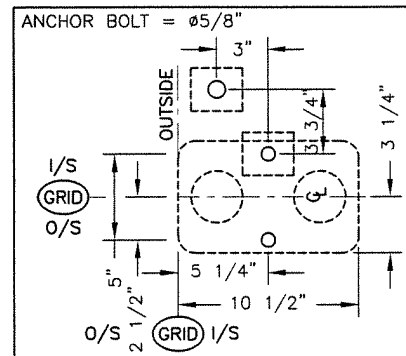
FILE: ENDWALL - GRIDLINE 1

SHEET: FB07

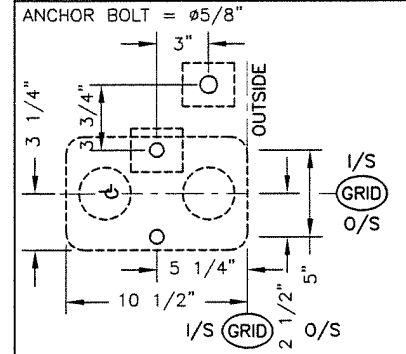
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VERTICAL DIMENSION FROM
GROUND TO TOP OF HSS.

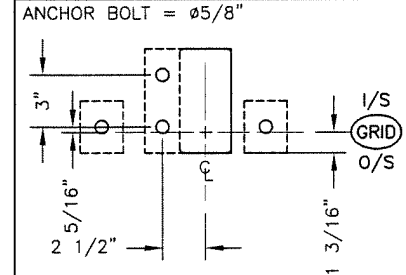
MARK#	COMPONENTS	WEIGHT
EC-2	HSS3x6-312L	278.20
EC-1	HSS3x6-256L	228.27
HZ-1	330550 + 32000050	29.56
HD-1	804758 CUT AS REQUIRED	76.90
DF-1	804759 CUT AS REQUIRED	57.58
FT	2" x 3" FASTENING TUBE (FIELD CUT)	



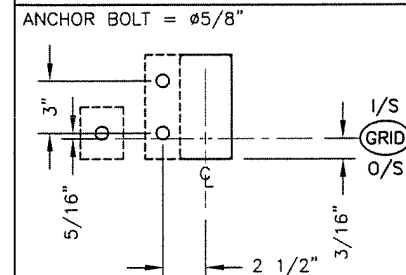
DETAIL "A" BASE EL. 100'-0"



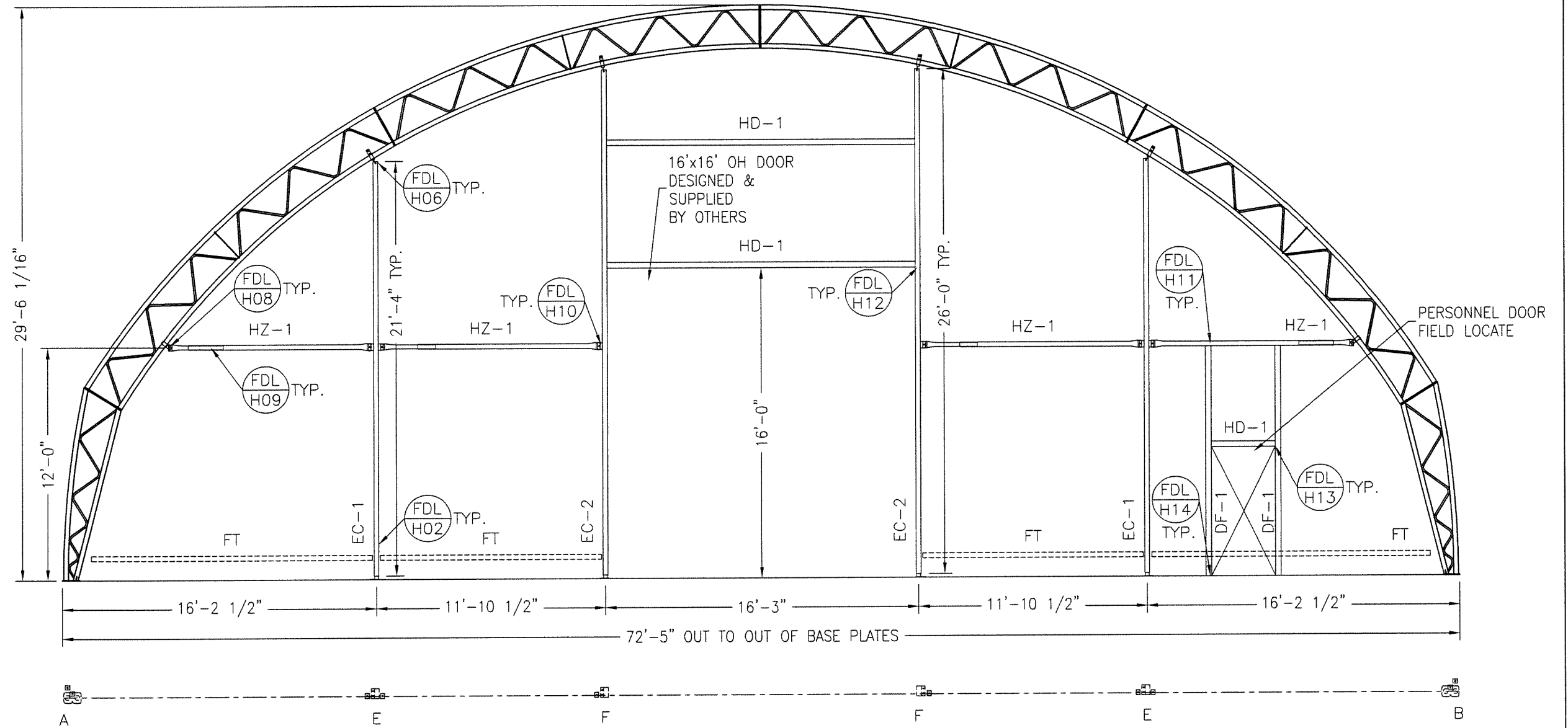
DETAIL "B" BASE EL. 100'-0"



DETAIL "E" BASE EL. 100'-0"



DETAIL "F" BASE EL. 100'-0"



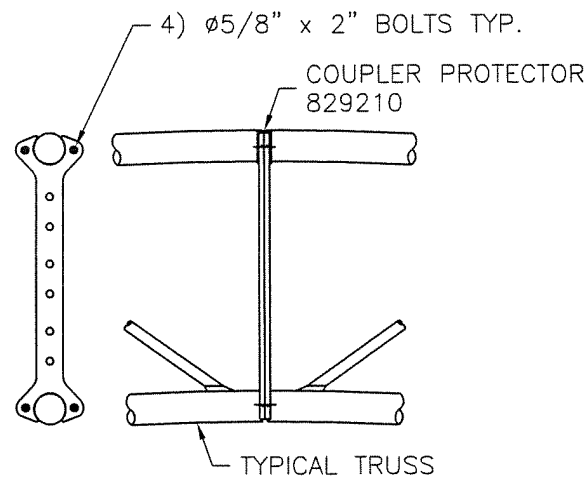
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 PROJECT ID: DSN 1650 ORDER ID: 66068

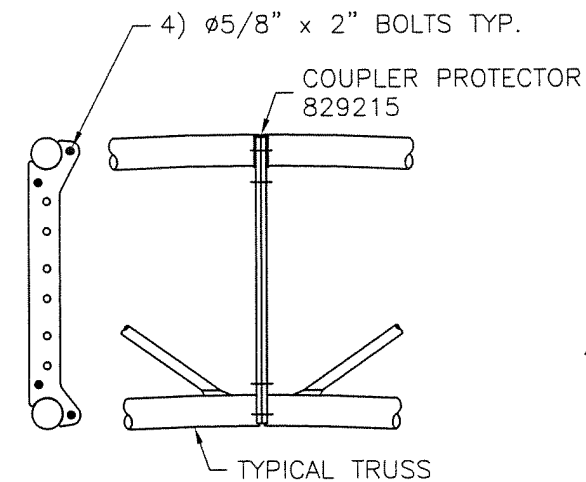
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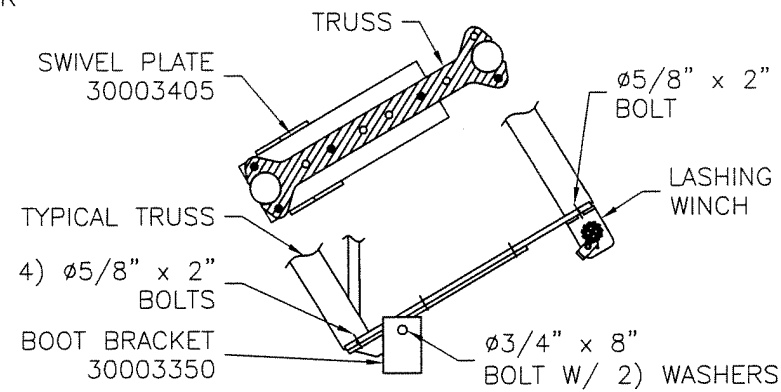
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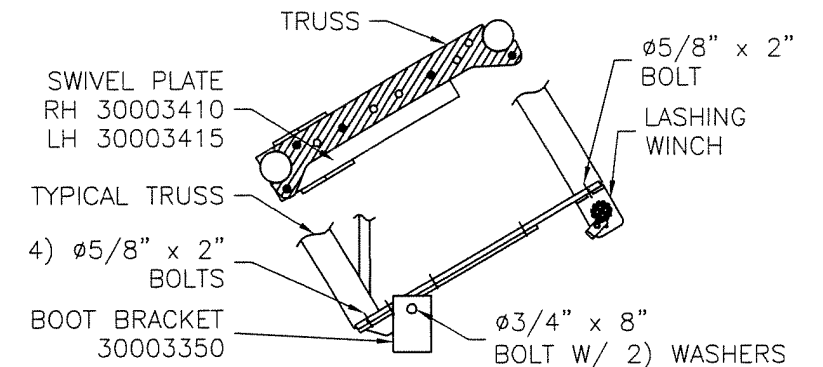
FDL 200 COMMON COUPLER CONNECTION DETAIL



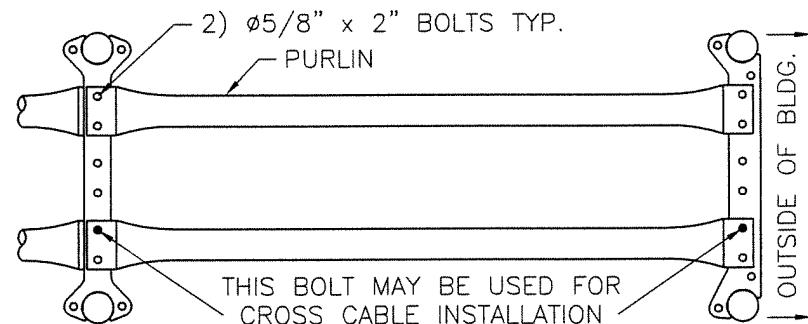
FDL 201 END COUPLER CONNECTION DETAIL



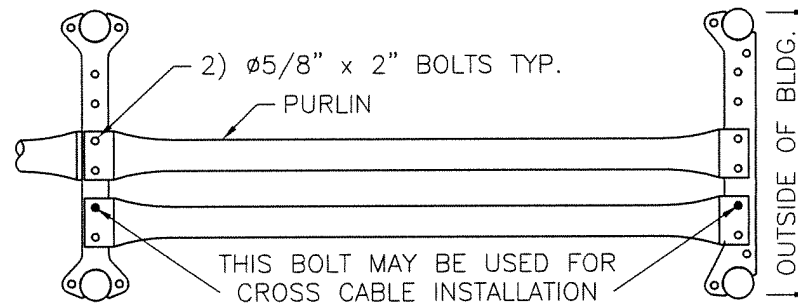
FDL 202 70' & 82' COMMON BASE CONNECTION



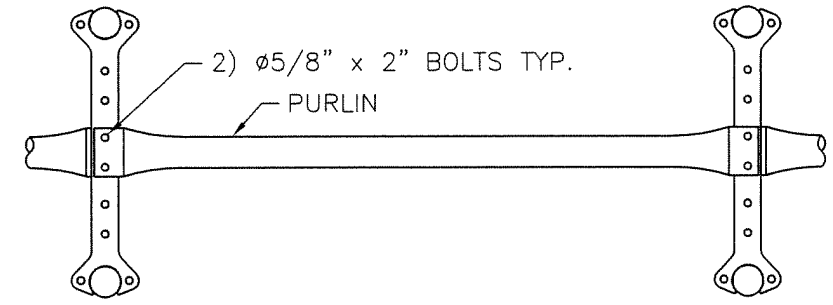
FDL 203 70' & 82' END BASE CONNECTION



FDL 204 RIDGE PURLIN CONNECTION



FDL 205 PURLIN CONNECTION AT BRACED BAY



FDL 206 PURLIN CONNECTION AT UNBRACED BAY

REV.	DESCRIPTION	BY	DATE
1	RELEASED	MD	15 OCT 04

DEALER: ALASKA COVER-ALL ANCHORAGE, AK
 CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK
 PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE

PROJECT ID: DSN 1650
 ORDER ID: 66068

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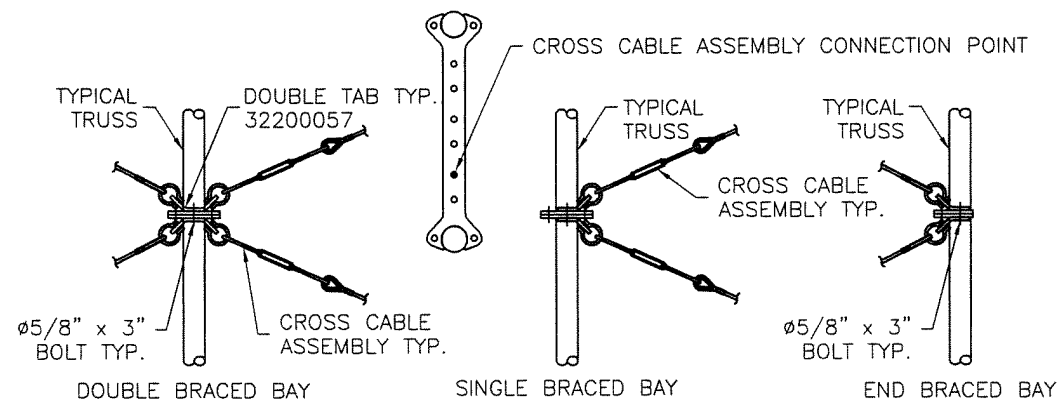
DRAWN BY: M DALE
 CHECKED BY: *Rpw*
 SCALE: N.T.S.

DATE: 15 OCT 04
 DATE: 18 OCT 04



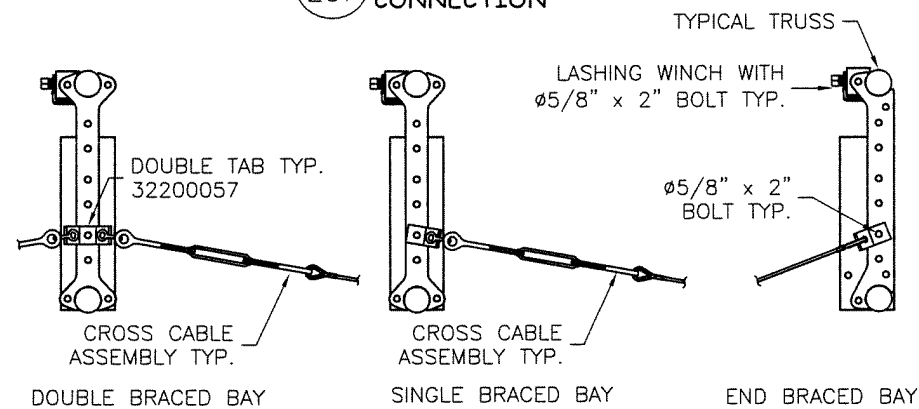
3815 WANUSKEWIN RD. SASKATOON, SASKATCHEWAN, S7P 1A4
 PH: 1-306-657-2888
 WEBSITE: www.coverall.net

FILE: STANDARD DETAILS 1
 SHEET: FB09
 REVISION: 1

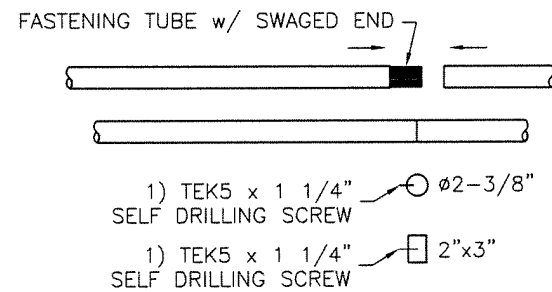


NOTE:
 -INSTALL ALL TURNBUCKLES AT ONE END FOR EASE OF INSTALLATION.
 -PURLINS REMOVED FOR CLARITY.

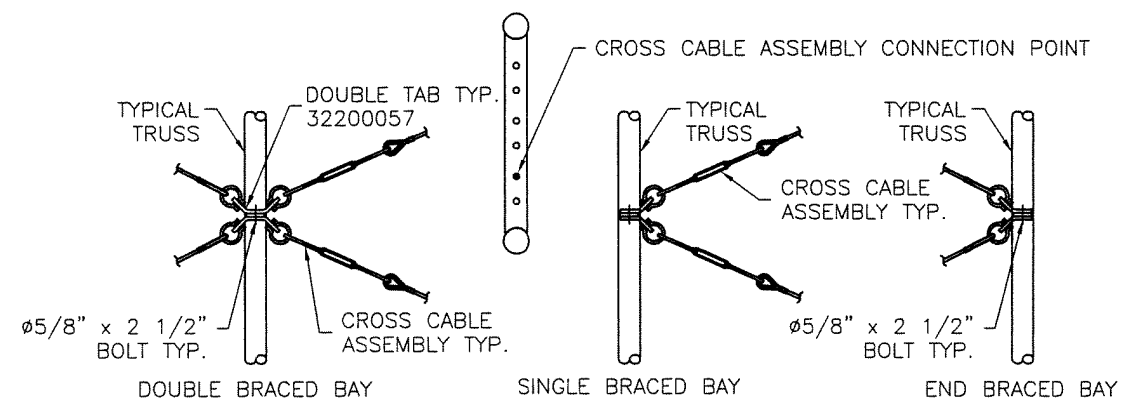
FDL 207 CROSS CABLE AT COUPLER CONNECTION



FDL 209 CROSS CABLE AT BOOT CONNECTION

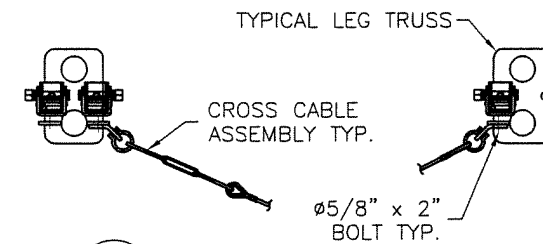


FDL 211 FASTENING TUBE CONNECTION

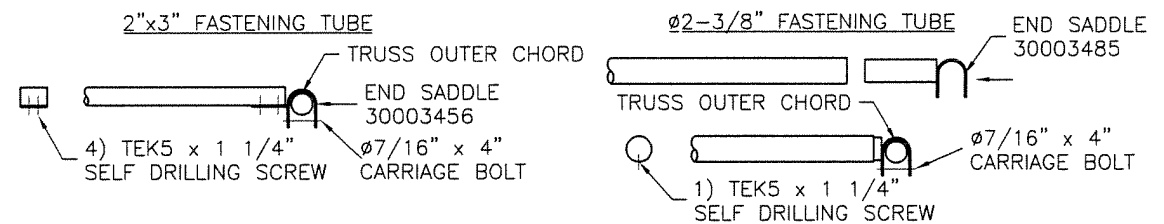


NOTE:
 -INSTALL ALL TURNBUCKLES AT ONE END FOR EASE OF INSTALLATION.
 -PURLINS REMOVED FOR CLARITY.

FDL 208 CROSS CABLE AT MID TRUSS CONNECTION



FDL 210 CROSS CABLE AT LEG TRUSS CONNECTION



NOTES: -CUT OFF SWAGED END IF REQ'D

FDL 212 FASTENING TUBE END SADDLE BRACKET

1	RELEASED	MD	15 OCT 04
REV.	DESCRIPTION	BY	DATE

DEALER: ALASKA COVER-ALL ANCHORAGE, AK
 CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK
 PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE

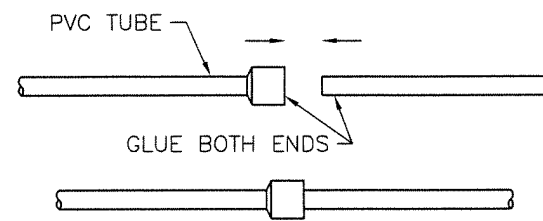
PROJECT ID: DSN 1650
 ORDER ID: 66068

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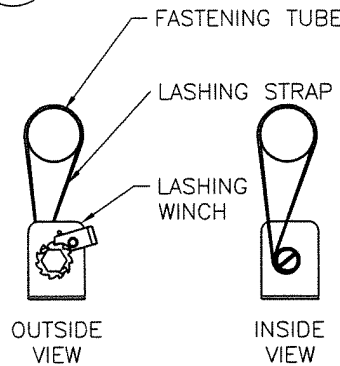
DRAWN BY: M DALE
 DATE: 15 OCT 04
 CHECKED BY: Rjw
 DATE: 18 OCT 04
 SCALE: N.T.S.

3815 WANUSKEWIN RD, SASKATOON, SASKATCHEWAN, S7P 1A4
 PH: 1-306-657-2888 FAX: 1-306-657-2762
 WEBSITE: www.coverall.net

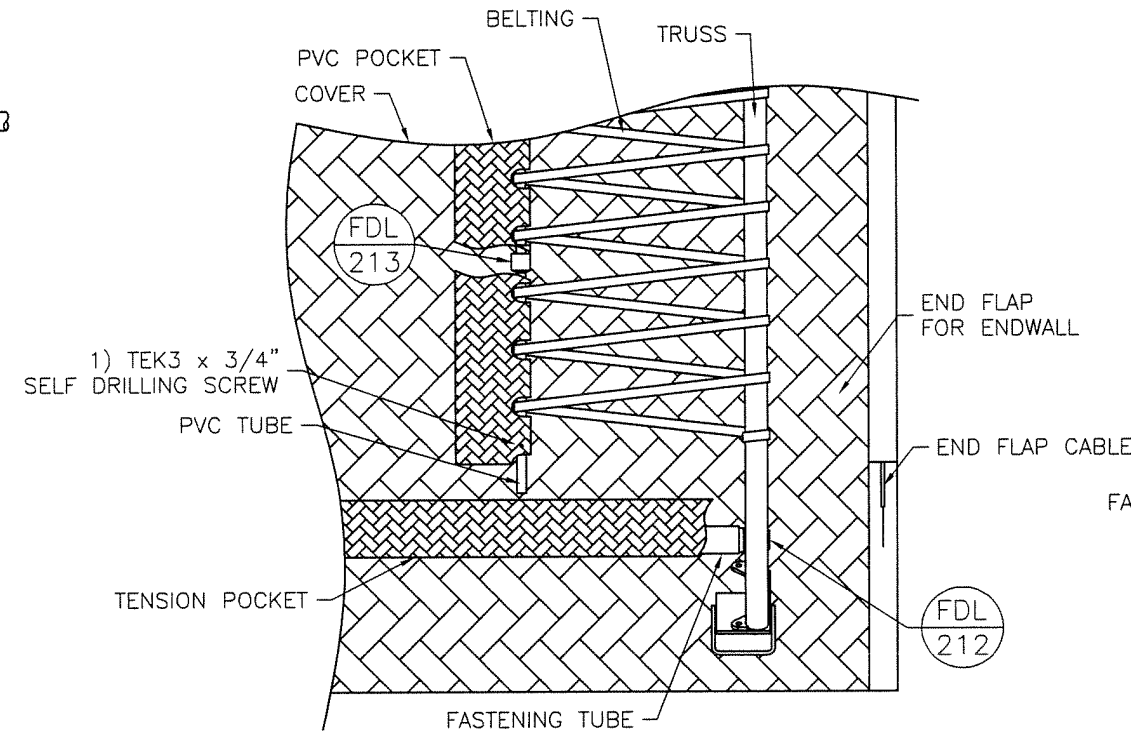
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 SHEET: FB10
 REVISION: 1



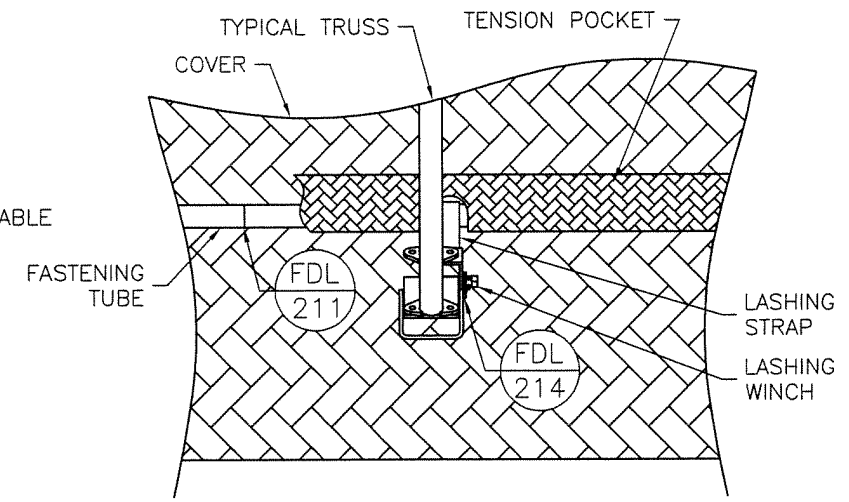
FDL 213 PVC TUBE CONNECTION



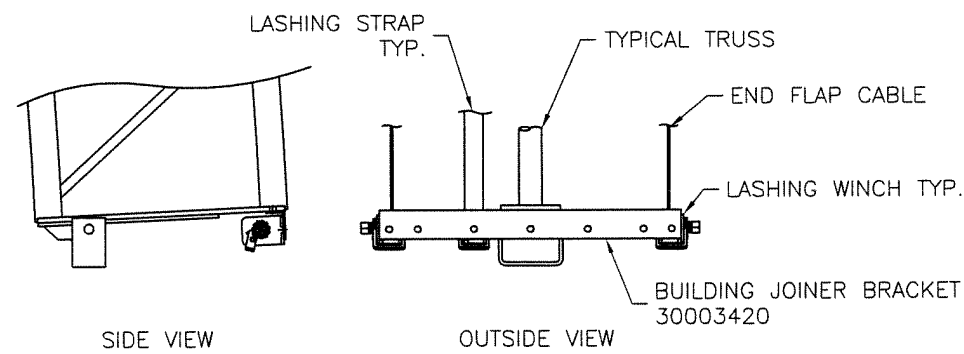
FDL 214 LASHING STRAP CONN. TO LASHING WINCH



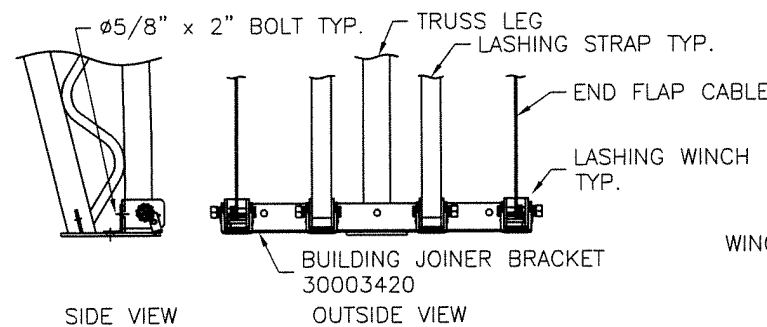
FDL 215 PVC TUBE CONNECTION TO BUILDING



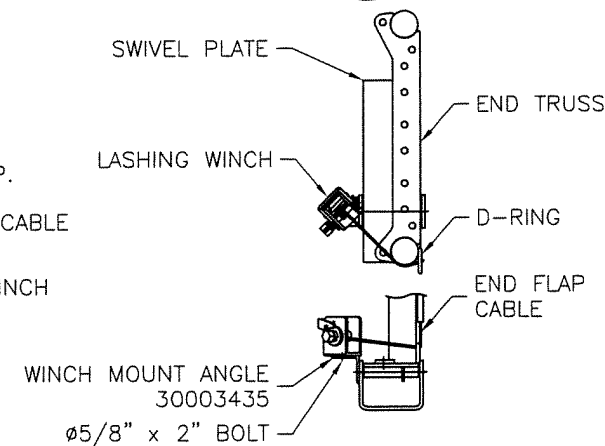
FDL 216 FASTENING TUBE CONNECTION TO BUILDING



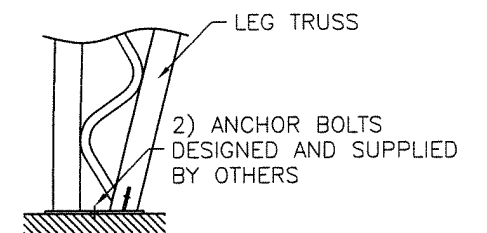
FDL 217 JOINER BRACKET TO BASE CONNECTION



FDL 218 JOINER BRACKET CONNECTION TO LEG



FDL 219 END FLAP LASHING WINCH CONNECTION



FDL 220 LEG CONNECTION TO FOUNDATION

REV.	DESCRIPTION	BY	DATE
1	RELEASED	MD	15 OCT 04

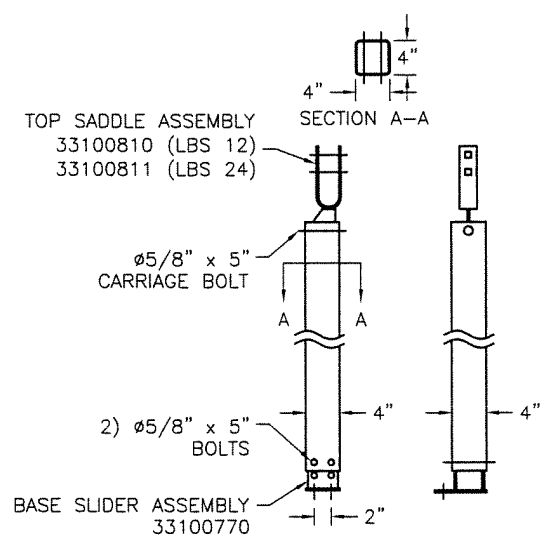
DEALER: ALASKA COVER-ALL ANCHORAGE, AK
 CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK
 PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE

PROJECT ID: DSN 1650
 ORDER ID: 66068

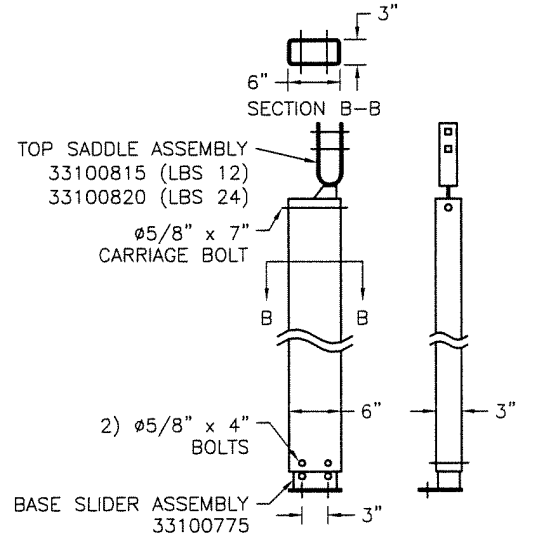
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DRAWN BY: M DALE
 DATE: 15 OCT 04
 CHECKED BY: *Rgw*
 DATE: 18 OCT 04
 SCALE: N.T.S.

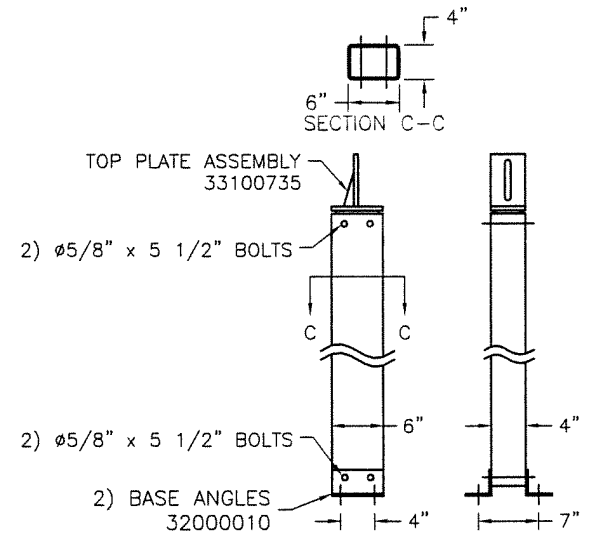
COVER-ALL
BUILDING SYSTEMS
 3815 WANUSKEWIN RD, SASKATOON, SASKATCHEWAN, S7P 1A4
 PH: 1-306-657-2888 FAX: 1-306-657-2762
 WEBSITE: www.coverall.net
 FILE: STANDARD DETAILS 3
 SHEET: FB11
 REVISION: 1



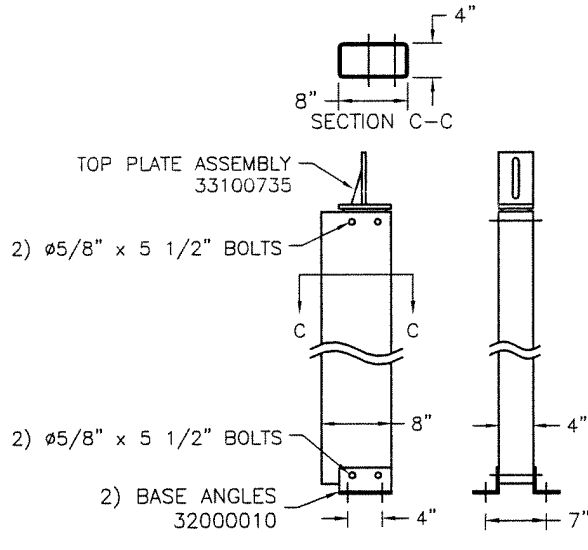
FDL H01 4" x 4" HSS VERTICAL LAYOUT - LBS



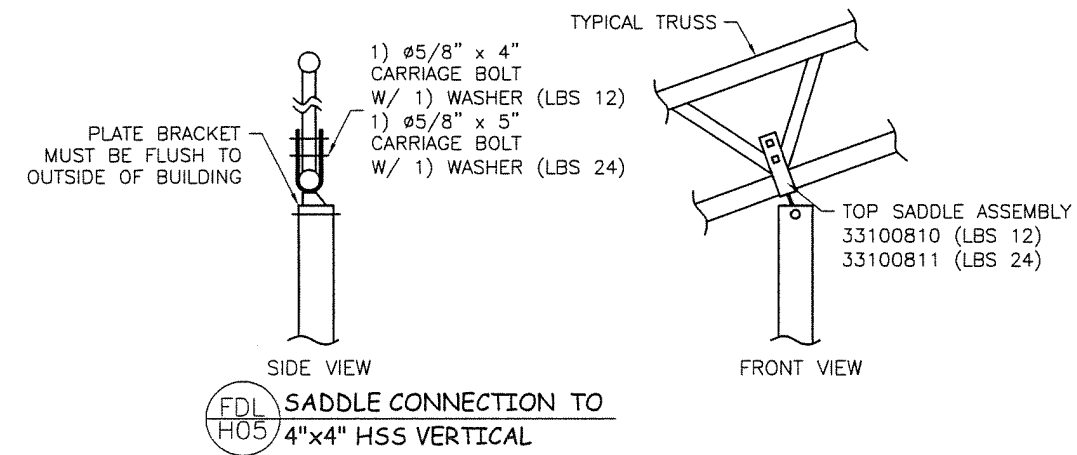
FDL H02 3" x 6" HSS VERTICAL LAYOUT - LBS



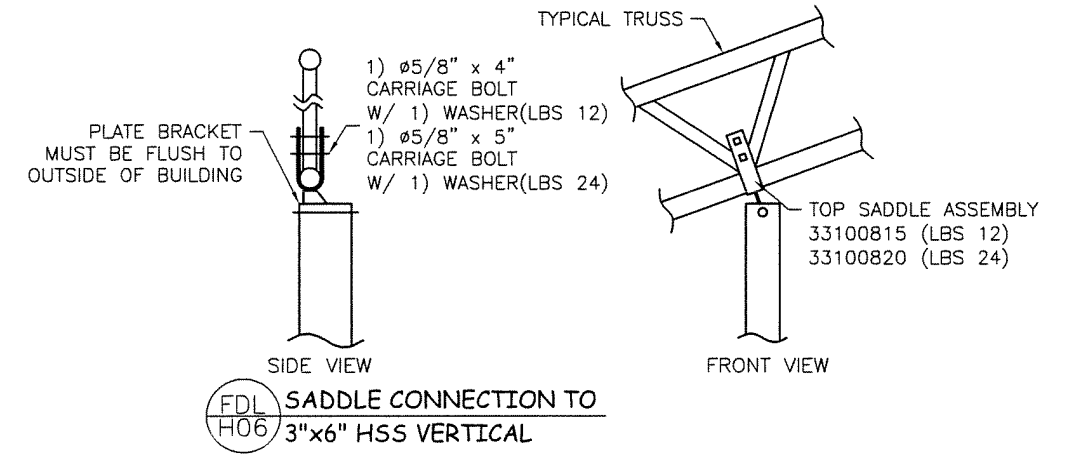
FDL H03 4" x 6" HSS VERTICAL LAYOUT - LBS



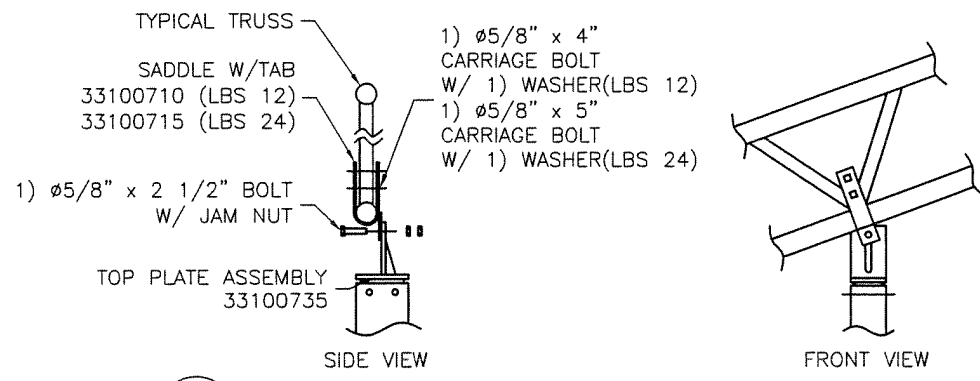
FDL H04 4" x 8" HSS VERTICAL LAYOUT - LBS



FDL H05 SADDLE CONNECTION TO 4"x4" HSS VERTICAL



FDL H06 SADDLE CONNECTION TO 3"x6" HSS VERTICAL



FDL H07 SADDLE CONNECTION TO 4"x6" & 4"x8" HSS VERTICAL

REV.	DESCRIPTION	BY	DATE
1	RELEASED	MD	15 OCT 04

DEALER:	ALASKA COVER-ALL ANCHORAGE, AK
CUSTOMER:	ALASKA DREAMS INC. FAIRBANKS, AK
PROJECT:	PORT OF ANCHORAGE EQUIP. MACH. STORAGE
PROJECT ID:	DSN 1650
ORDER ID:	66068

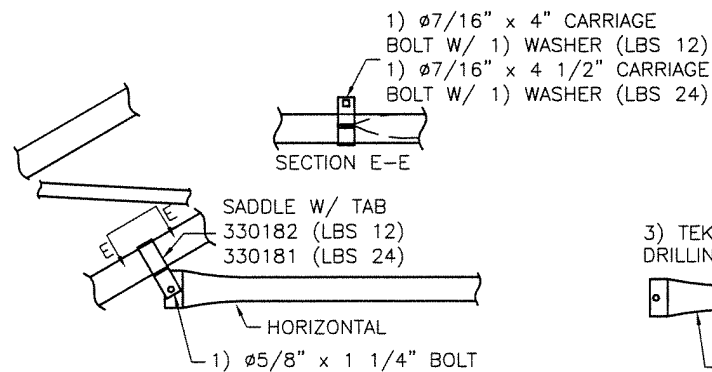
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DRAWN BY:	M DALE
DATE:	15 OCT 04
CHECKED BY:	Rpw
DATE:	18 OCT 04
SCALE:	N.T.S.

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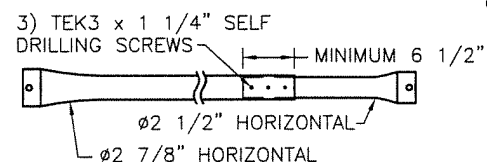
BUILDING SYSTEMS

3815 WANUSKEWIN RD, SASKATOON, SASKATCHEWAN, S7P 1A4
 PH: 1-306-657-2888 FAX: 1-306-657-2762
 WEBSITE: www.coverall.net

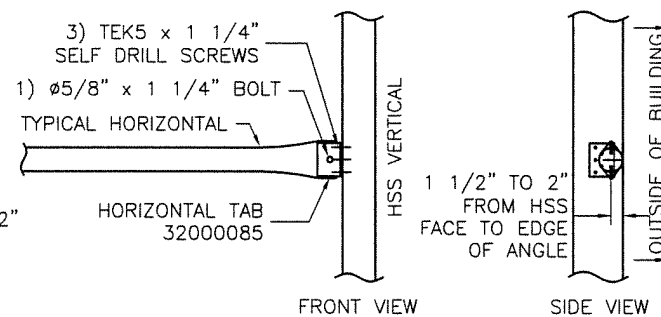
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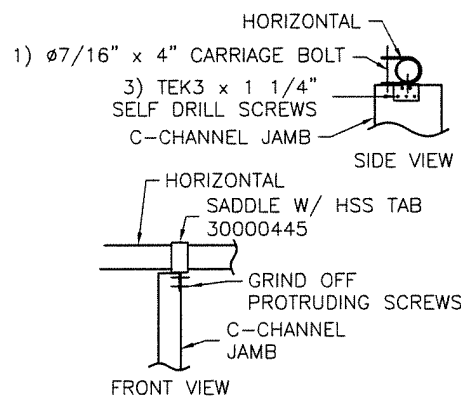
FDL H08 SADDLE W/ TAB CONNECTION TO HORIZONTAL - LBS



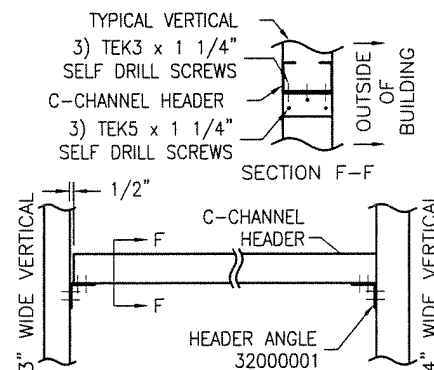
FDL H09 HORIZONTAL SLEEVE CONNECTION



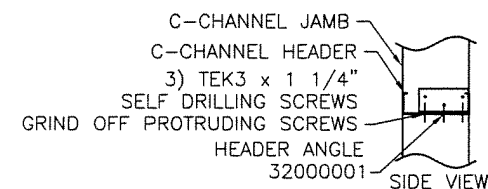
FDL H10 HORIZONTAL TAB CONNECTION TO VERTICALS



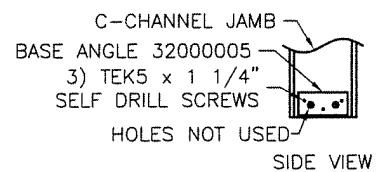
FDL H11 C-CHANNEL JAMB CONNECTION TO HORIZONTAL



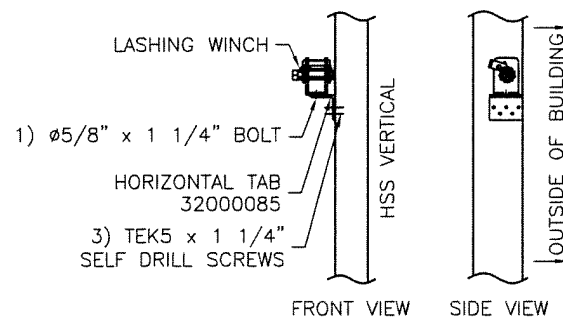
FDL H12 C-CHANNEL HEADER CONNECTION TO VERTICALS



FDL H13 C-CHANNEL HEADER CONNECTION TO C-CHANNEL JAMB



FDL H14 C-CHANNEL JAMB CONNECTION TO BASE ANGLE



FDL H15 LASHING WINCH CONNECTION TO VERTICALS

REV.	DESCRIPTION	BY	DATE
1	RELEASED	MD	15 OCT 04

DEALER: ALASKA COVER-ALL ANCHORAGE, AK
 CUSTOMER: ALASKA DREAMS INC. FAIRBANKS, AK
 PROJECT: PORT OF ANCHORAGE EQUIP. MACH. STORAGE

PROJECT ID: DSN 1650
 ORDER ID: 66068

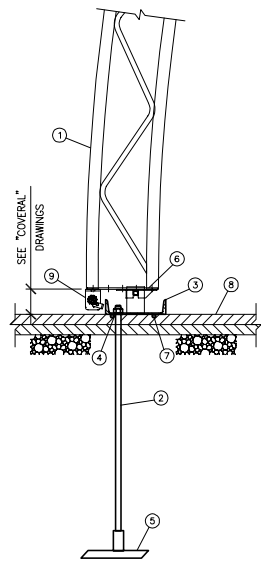
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DRAWN BY: M DALE
 DATE: 15 OCT 04
 CHECKED BY: [Signature]
 DATE: 18 OCT 04
 SCALE: N.T.S.

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 PH: 1-306-657-2888 FAX: 1-306-657-2762
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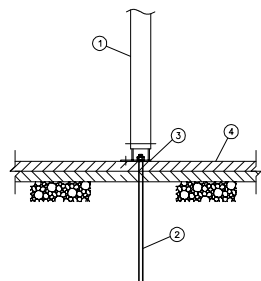
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 SHEET: FB13
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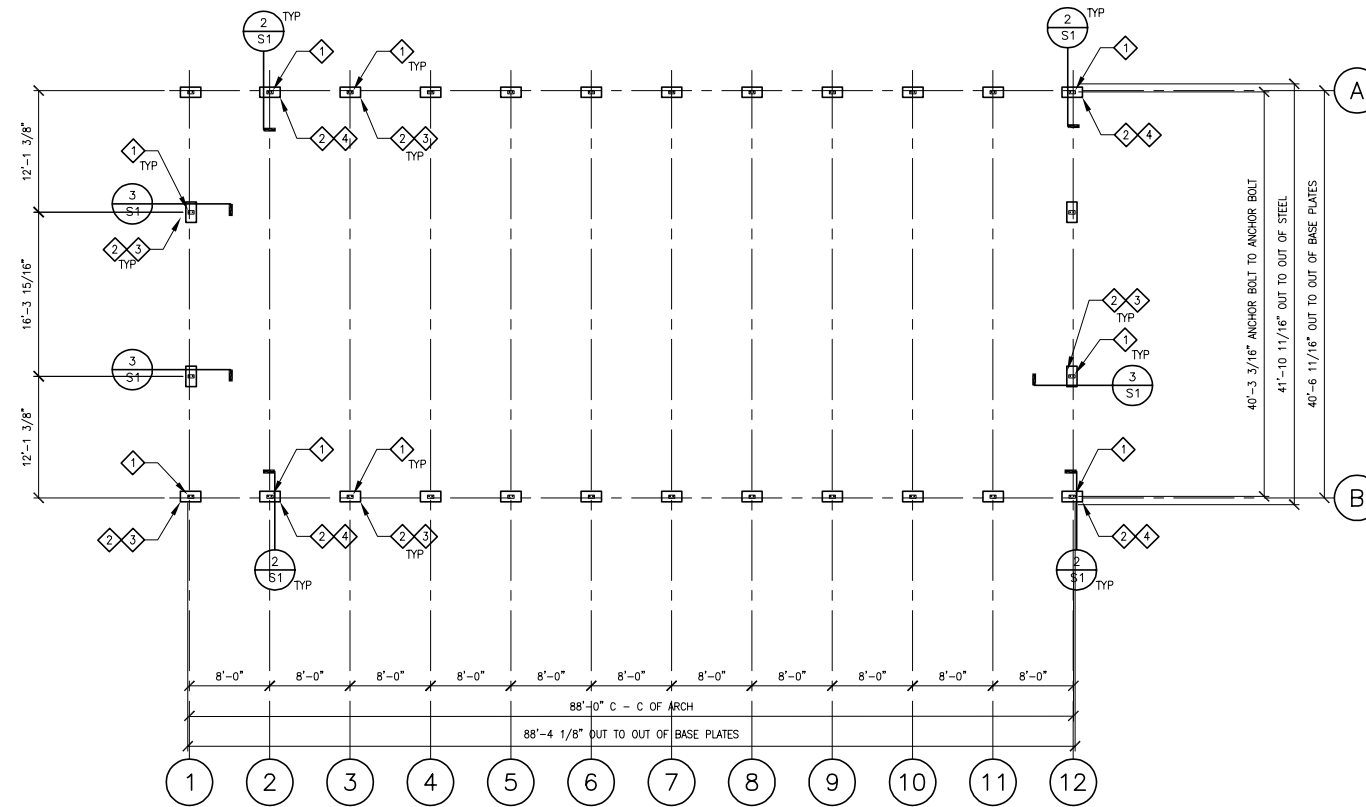
2 FRAME ANCHOR
S1 SCALE: 3/4"=1'-0"

- 1 TYPICAL BUILDING TRUSS.
- 2 ANCHOR ROD FROM MANTA RAY ANCHOR, INSTALLED VERTICALLY.
- 3 C 15 X 33.9 X 2'-0" A36 STEEL CHANNEL.
- 4 CUT OVERSIZE HOLE IN CHANNEL, USE PL 1/2 X 3 X 1/4" A36 STEEL WISHER OVER HOLE.
- 5 MANTA RAY EARTH ANCHOR AT EACH FRAME. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. FOR TYPE AND LOCATIONS, SEE FOUNDATION PLAN.
- 6 TYPICAL TRUSS BASE PLATE.
- 7 3/8" A36 STEEL ROUND STOCK X 2'-0" - (2) LOCATIONS.
- 8 EXISTING ASPHALT PAVING.
- 9 LASHING WINCH, SEE "OVERALL" DRAWINGS.



3 FRAME ANCHOR AT ENDWALL
S1 SCALE: 3/4"=1'-0"

- 1 TYPICAL BUILDING TRUSS.
- 2 3/4" X 24" REBAR PIN WITH NUT AT EACH FRAME LOCATION.
- 3 TYPICAL TRUSS BASE PLATE.
- 4 EXISTING ASPHALT PAVING.



1 FOUNDATION PLAN
S1 SCALE: 1/8"=1'-0"

KEY NOTES	
1	FRAME BASE PLATE, SEE "OVERALL" DRAWINGS.
2	TYPICAL CHANNEL FOOTING, SEE DETAIL 2/S1.1.
3	(1) MR-88 MANTA RAY ANCHOR AT EACH FRAME PER DETAIL 2/S1.1, UNLESS NOTED OTHERWISE.
4	(1) MR-4 MANTA RAY ANCHOR AT GRIDS 2 AND 15.

Date Stamped:	
By	
Revision	
Date	

USKH
Architecture • Engineering
Land Surveying • Planning

2515 A Street
Anchorage, Alaska 99503
(907) 276-4245

544 4th Avenue, Suite 102
Fairbanks, Alaska 99701
(907) 452-2128

3031 Clinton Drive
Suite 200
Juneau, Alaska 99801
(907) 790-2901

290 North Willow Street
Wasilla, Alaska 99654
(907) 376-7815

Project:
VEHICLE INSPECTION BUILDING (42' "OVERALL")

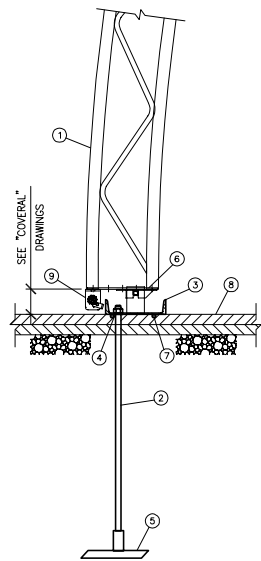
MUNICIPALITY OF ANCHORAGE
Port of Anchorage

Project Mgr.	MNA
Drawn	
Drawn	DJR
Checked	MNA BEH
Date	12/1/04

Sheet Contents:
FOUNDATION PLAN AND DETAILS

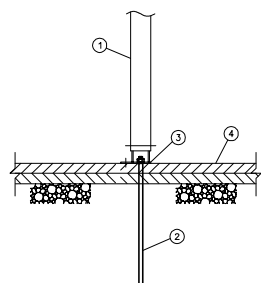
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USKH W.O. 846600

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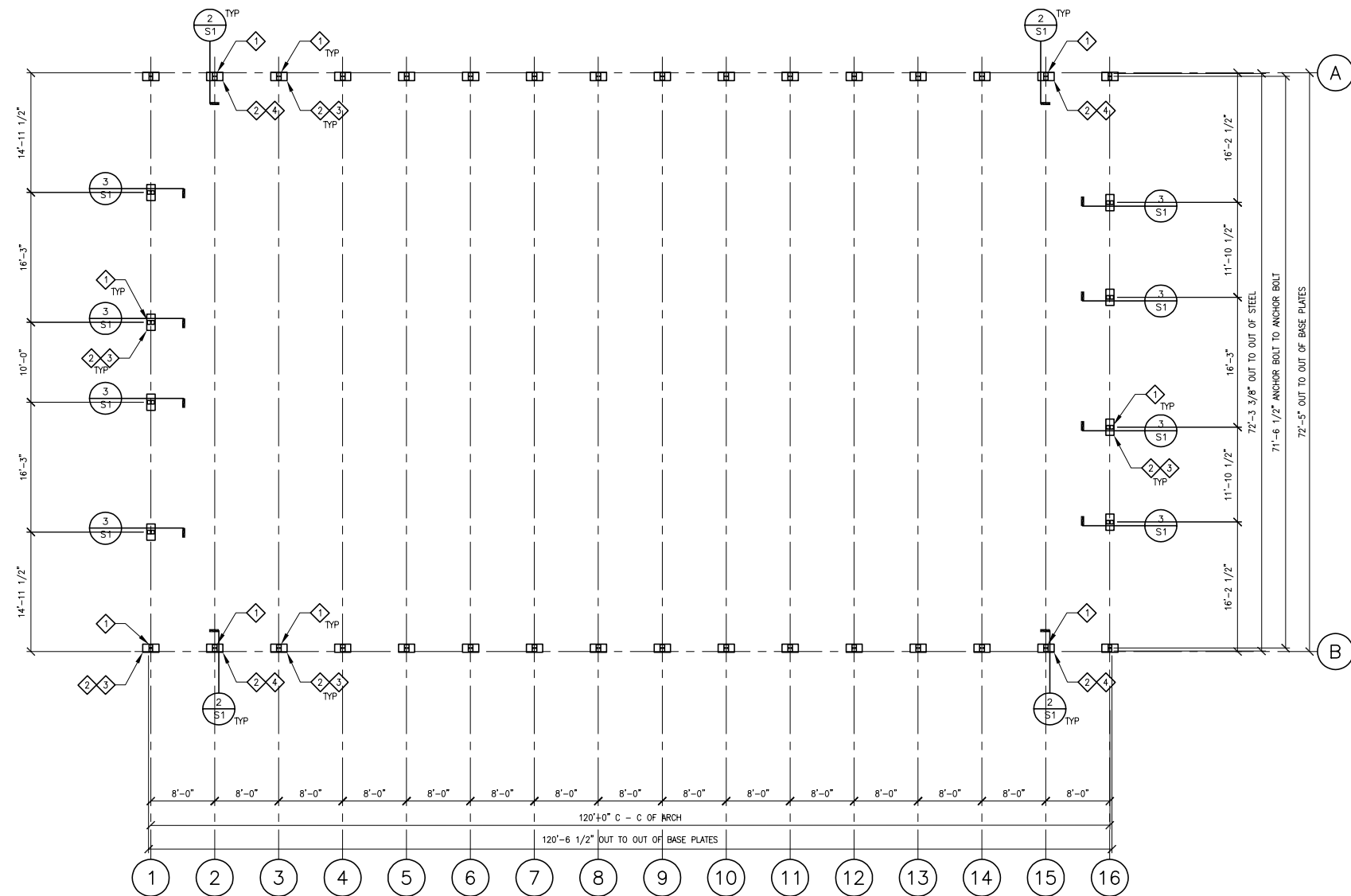
2 FRAME ANCHOR
S1 SCALE: 3/4"=1'-0"

- 1 TYPICAL BUILDING TRUSS.
- 2 ANCHOR ROD FROM MANTA RAY ANCHOR, INSTALLED VERTICALLY.
- 3 C 15 X 33.9 X 2'-0" A36 STEEL CHANNEL.
- 4 CUT OVERSIZE HOLE IN CHANNEL, USE PL 1/2 X 3 X 1/4" A36 STEEL WISHER OVER HOLE.
- 5 MANTA RAY EARTH ANCHOR AT EACH FRAME. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. FOR TYPE AND LOCATIONS, SEE FOUNDATION PLAN.
- 6 TYPICAL TRUSS BASE PLATE.
- 7 3/8" A36 STEEL ROUND STOCK X 2'-0" - (2) LOCATIONS.
- 8 EXISTING ASPHALT PAVING.
- 9 LASHING WINCH, SEE "OVERALL" DRAWINGS.



3 FRAME ANCHOR AT ENDWALL
S1 SCALE: 3/4"=1'-0"

- 1 TYPICAL BUILDING TRUSS.
- 2 3/4" X 24" REBAR PIN WITH NUT AT EACH FRAME LOCATION.
- 3 TYPICAL TRUSS BASE PLATE.
- 4 EXISTING ASPHALT PAVING.



1 FOUNDATION PLAN
S1 SCALE: 1/8"=1'-0"

KEY NOTES	
1	FRAME BASE PLATE, SEE "OVERALL" DRAWINGS.
2	TYPICAL CHANNEL FOOTING, SEE DETAIL 2/S1.1.
3	(1) MR-88 MANTA RAY ANCHOR AT EACH FRAME PER DETAIL 2/S1.1, UNLESS NOTED OTHERWISE.
4	(1) MR-4 MANTA RAY ANCHOR AT GRIDS 2 AND 15.

Date Stamped:	
By	
Revision	
Date	

Revision	
Date	

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Fairbanks, Alaska 99701
(907) 452-2128

3031 Clinton Drive
Suite 200
Juneau, Alaska 99801
(907) 790-2901

290 North Willow Street
Wasilla, Alaska 99654
(907) 376-7815

Project:
WARM STORAGE BUILDING
(72' "OVERALL")

MUNICIPALITY OF ANCHORAGE
Port of Anchorage

Project Mgr.	MNA
Drawn	
Drawn	DJR
Checked	MNA BEH
Date	12/1/04

Sheet Contents:
FOUNDATION PLAN AND DETAILS

Sheet No.:
S1

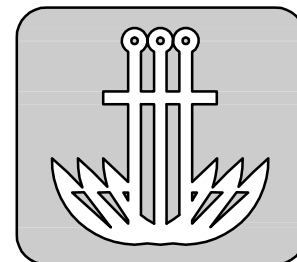
USKH W.O. 846600

CONTRACT NO. 4403-4-C19

PORT OF ANCHORAGE

TOFC YARD PHASES I & II

Final Design of Phases 1 thru 5
Construction of Phases 1 thru 5

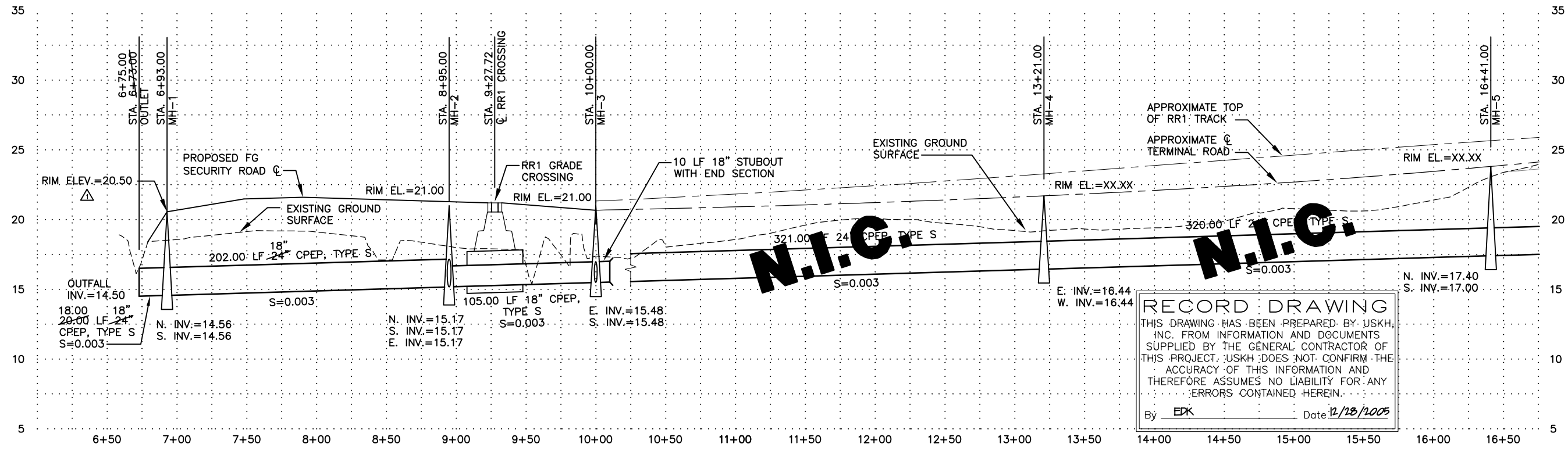
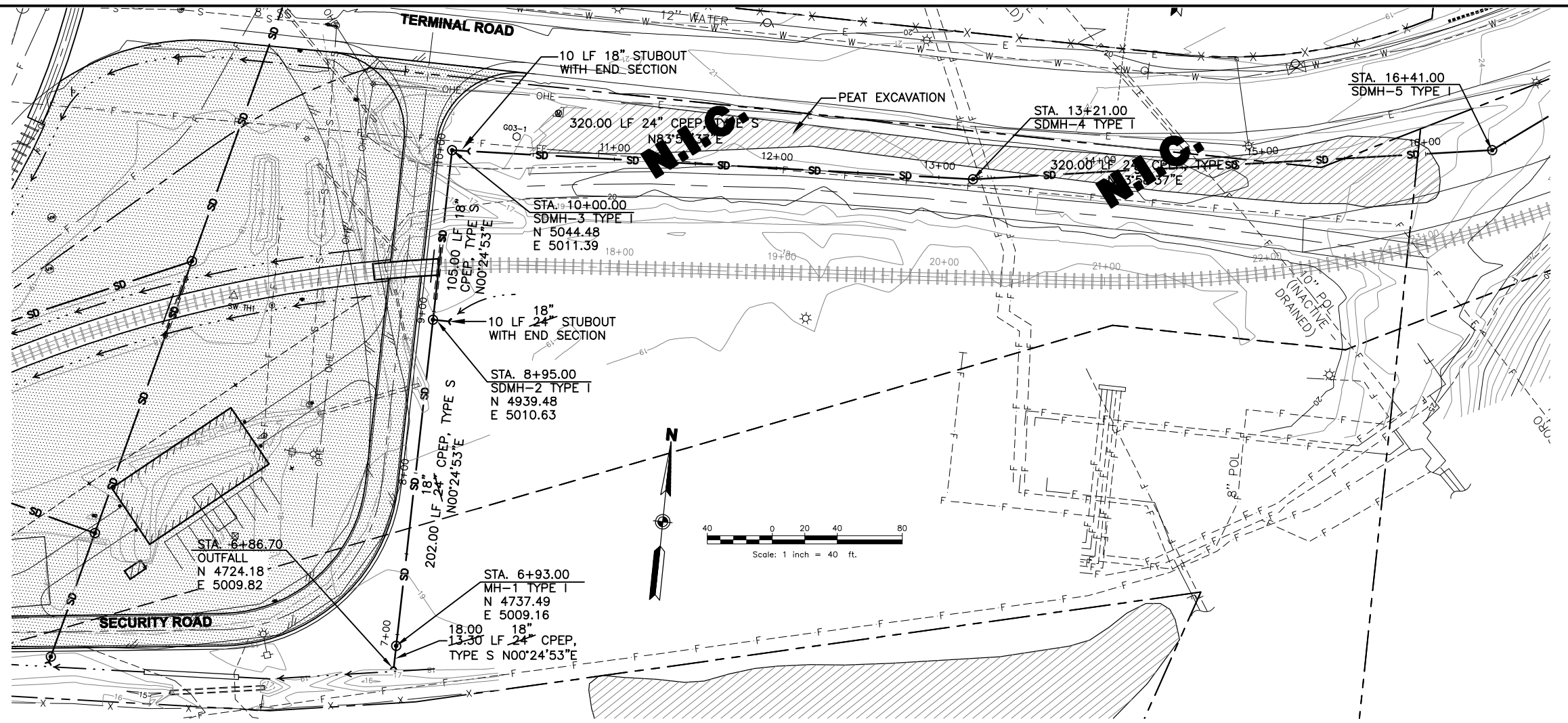


Anchorage Port
Expansion Team

PHASE 1 thru 5 DRAWINGS - CD
May 11, 2005

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By EDK Date 12/28/2005

PRUHS
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 By: EDK Date: 12/13/2005

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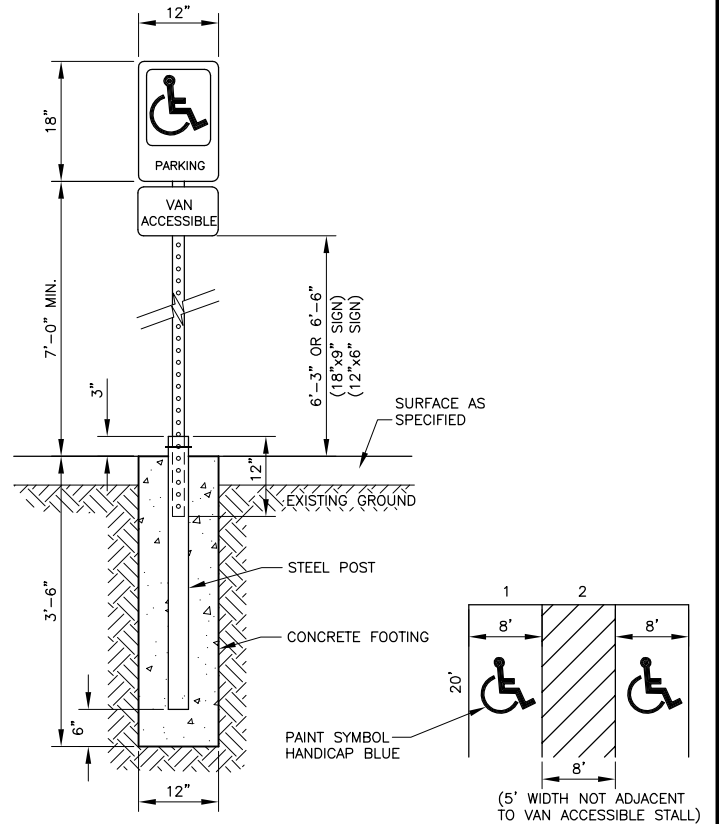
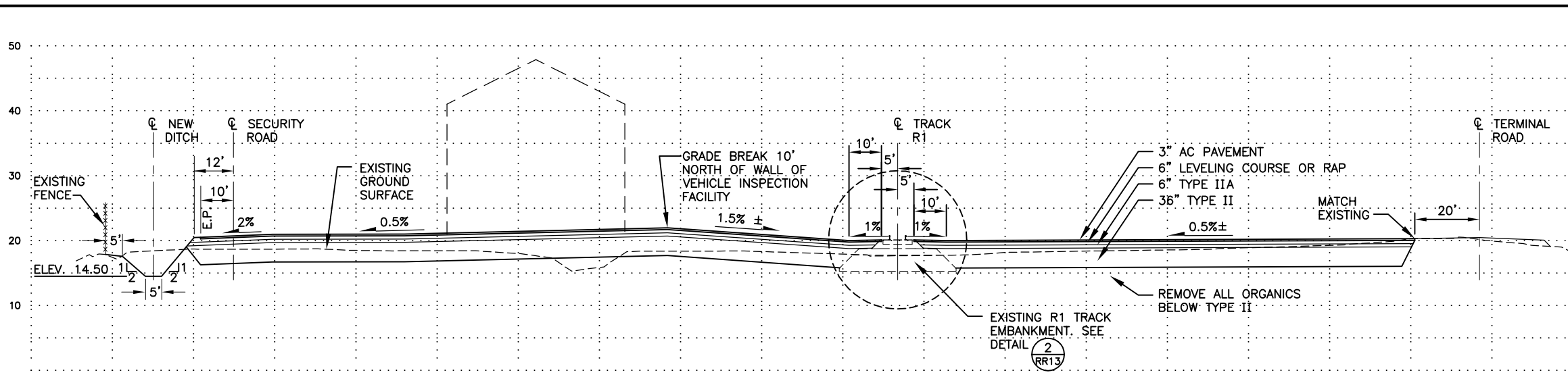
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USKH
 ANCHORAGE • WASILLA • JUNEAU • FAIRBANKS
 2515 'A' Street • Anchorage, Alaska 99503
 Phone (907) 276-4245 FAX (907) 258-4653

Anchorage Port Expansion Team
 2000 Anchorage Port Rd.
 Anchorage, Alaska 99501
 OWNER:

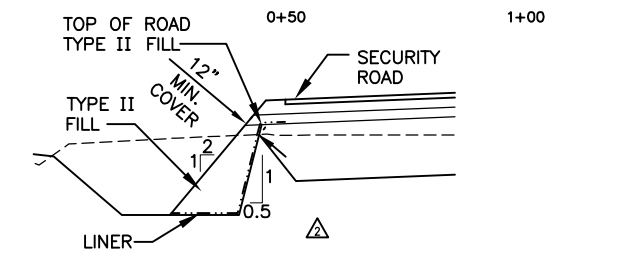
PORT OF ANCHORAGE
 TOFC PHASES I AND II
24" STORM DRAIN
 STA. 6+86.70 TO STA. 16+41.00

SHEET NO.
RFP5.3
 W.O. NO. 840900

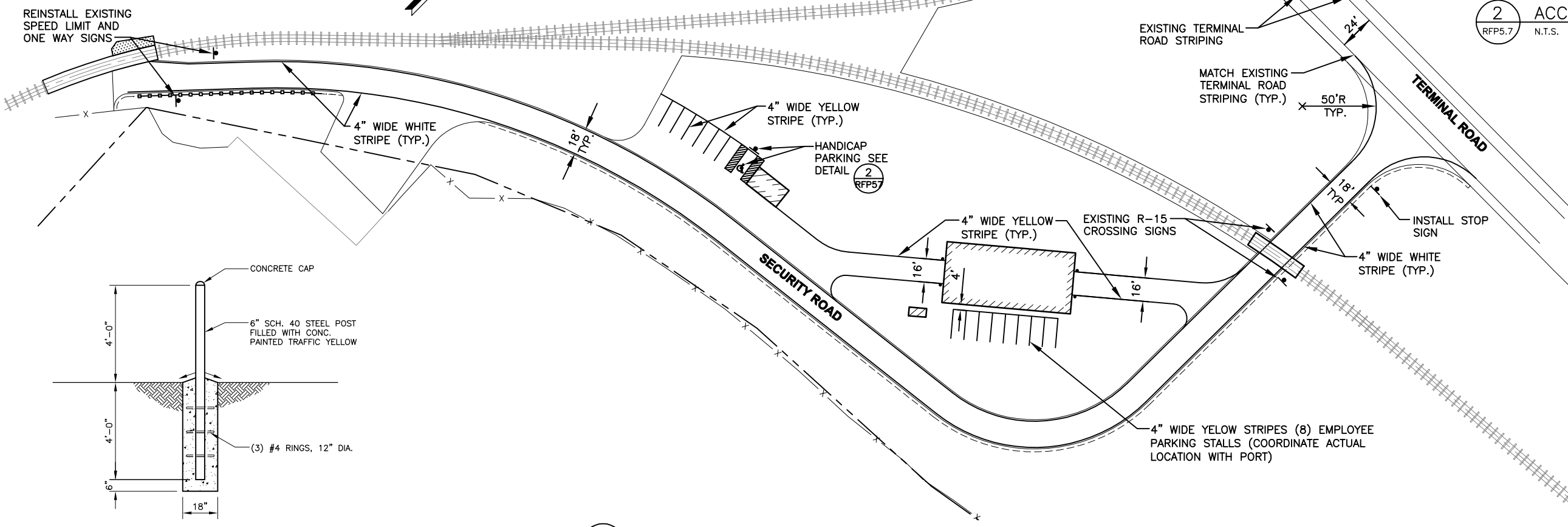


1 N-S SECTION THROUGH YARD
RFP5.7 SCALE: 1"=20'

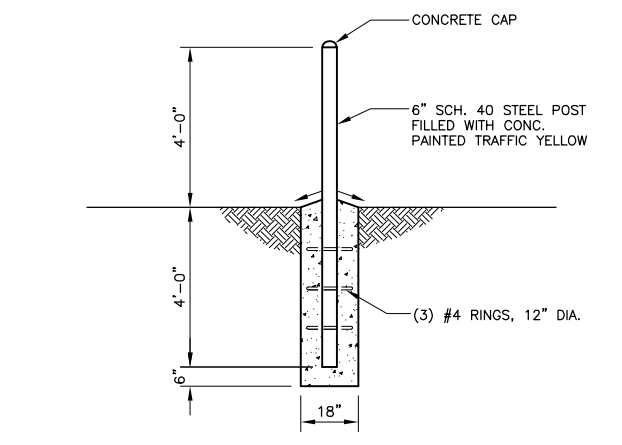
2 ACCESSIBLE PARKING SIGN DETAIL
RFP5.7 N.T.S.



5 DITCH LINER STA. 3+50 TO 6+90
RFP5.7 SCALE: 1"=10'



4 SECURITY ROAD STRIPING AND SIGNING PLAN
RFP5.7 SCALE: 1"=40'



3 BOLLARD DETAIL
RFP5.7 N.T.S.

RECORD DRAWING
THIS DRAWING HAS BEEN PREPARED BY USKH, INC. FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR OF THIS PROJECT. USKH DOES NOT CONFIRM THE ACCURACY OF THIS INFORMATION AND THEREFORE ASSUMES NO LIABILITY FOR ANY ERRORS CONTAINED HEREIN.
By EDK Date 12/13/2005

DRAWING NAME: I:\840900\Draws\CasBuilt\Draws\840900RFP507.dwg PLOTTED: Aug 07, 2006 - 1:40pm

REV.	DATE	BY	REVISIONS	NO.	BASIS OF VERTICAL CONTROL	ELEV.	FIELD BOOKS	SCALE	DATA
								FIELD BOOKS	SCALE
								DESIGN/TOPO:	DATA
								STAKING:	HOR. DESIGN: EDK
								ASBUILT:	VER. DRAWN: SMT
									GRID CHECKED: EDK
									DATE STAMPED: AUGUST 5, 2005

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Anchorage, Alaska 99501
OWNER:

PORT OF ANCHORAGE
TOFC PHASES I AND II

SECURITY ROAD STRIPING PLAN
AND TYPICAL SECTIONS

SHEET NO.
RFP5.7
W.O. NO. 840900