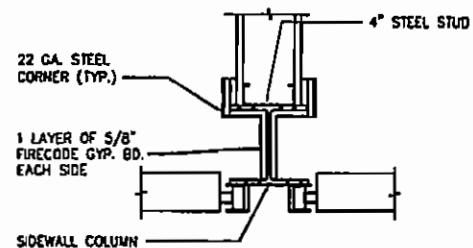
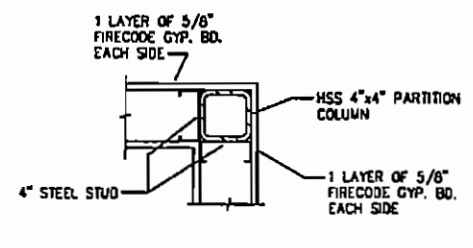


**FLOOR PLAN**  
SCALE: 1"=10'

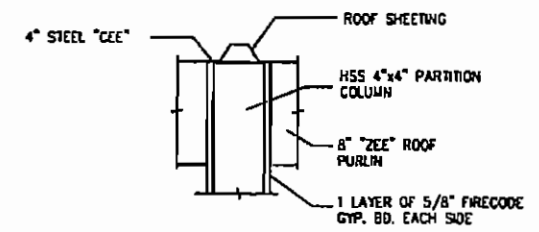
- GENERAL NOTES:**
- A. CONTRACTOR TO COORDINATE ALL PENETRATIONS IN EXTERIOR WALL/ROOF WITH MANUFACTURERS. THESE TO INCLUDE ROOF VENTS, WALL VENTS, SLEEVES ETC. CONTRACTOR TO PROVIDE ALL OPENINGS IN EXTERIOR WALLS/ROOF FOR OTHER TRADES TO INSTALL VENTS, LINES, ETC.
  - B. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR OMISSIONS FOUND DURING CONSTRUCTION. AS THOSE DISCREPANCIES OR OMISSIONS AFFECT THEIR WORK, WORK SHALL STOP ON THE AFFECTED PORTION OF THE PROJECT UNTIL THE ENGINEER HAS PROVIDED INSTRUCTIONS ON THE DISCREPANCY OR OMISSION.
  - C. CONTRACTOR SHALL PROVIDE APPROPRIATE INFILL AT ALL PARTITIONS, FLOOR SURFACES, CEILING SURFACES WHERE HEIGHT, PLAN, MATERIAL OR OTHER TRANSITIONS OCCUR. INFILL SHALL INCLUDE APPROPRIATE STRUCTURAL BACK UP, UL RATING AND FINISH.
  - D. CONTRACTOR SHALL PROVIDE FIRE STOPPING AND FIRE SAFING AT PENETRATIONS CREATED BY ALL TRADES.
  - E. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 409).
  - F. TOILET ROOM FACILITIES SHALL BE ACCESSIBLE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
  - G. INSTALL 1 HOUR RATED FIRE WALL F.M. DESIGN No. U465 FROM FLOOR TO CEILING. PROVIDE 2 COATS OF PAINT ON EXPOSED SURFACES.
  - H. PROVIDE 9"x3"x11 GA. ANGLE IRON WITH FIRE/FUEL RESISTANT CAULKING TO FORM A CURB ALONG ALL INTERIOR PARTITIONS AND FIRE RATED WALLS.
  - J. PROVIDE STRUCTURAL SUPPORT FOR MAIN DOORS TO WITHSTAND 130 MPH WINDS.
  - K. GYP. BOARD CEILING IN REST ROOMS @ 9'-0" A.F.F. PAINTED.
  - L. 10' LONG GALVANIZED ROOF VENTILATORS, NON-OPERABLE w/ 12" THROAT AND SCREENS.
  - M. PROVIDE 1-20" TYPE PURPLE X FIRE EXTINGUISHER FE IN EACH HANGAR UNIT.
  - N. STRUCTURES INCLUDING ALL OPENINGS THROUGH THE STRUCTURE ARE TO BE DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND IN PARTICULAR, MUST SATISFY THE REQUIREMENTS OF CHAPTER 1609 - WIND LOADS OF THE 2003 IBC AND ASCE 7-05 FOR A PARTIALLY ENCLOSED STRUCTURE.



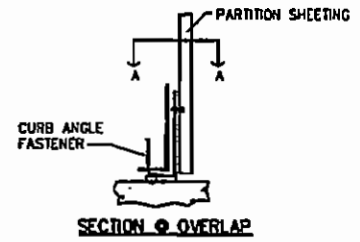
**1 DETAIL - 1 HR. PARTITION**  
SCALE: 1 1/2"=1'-0"



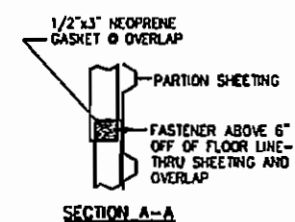
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SCALE: 1 1/2"=1'-0"



**3 SECTION - 1 HR. PART. U465**  
SCALE: 1 1/2"=1'-0"

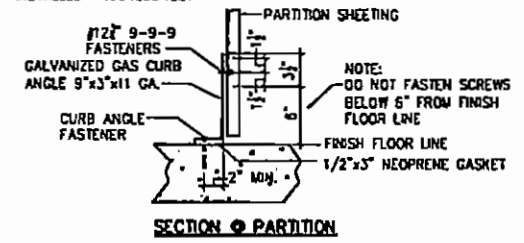


**SECTION - OVERLAP**

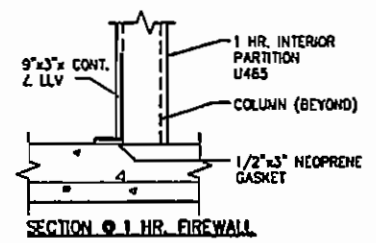


**SECTION A-A**

NOTE:  
AS CURB ANGLE IS IN 10' LENGTHS, FIELD CUTTING IS REQUIRED. CURB ANGLE TO BE INSTALLED PROGRESSIVELY.



**SECTION - PARTITION**



**SECTION - 1 HR. FIREWALL**

**4 GAS CURB DETAIL**  
SCALE: 1 1/2"=1'-0"

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARP) LAT.	30°35'49"
REFERENCE POINT (ARP) LONG.	81°27'45"
MEAN MAXIMUM TEMPERATURE	81°F
MAGNETIC VARIATION (1991)	7°53'18" (1979)
AIRPORT NAV AIDS	GPS NPA, R/W 13-31
AIRPORT REFERENCE CODE	D-8
CRITICAL AIRCRAFT	OUTSTREAM C-IV

Revisions				
No.	Date	By	REASON	Revision
1	8-7-07	WDR	REVISED	

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Project Manager  
Thomas W. Cottrell, PE  
Designer  
William Reid

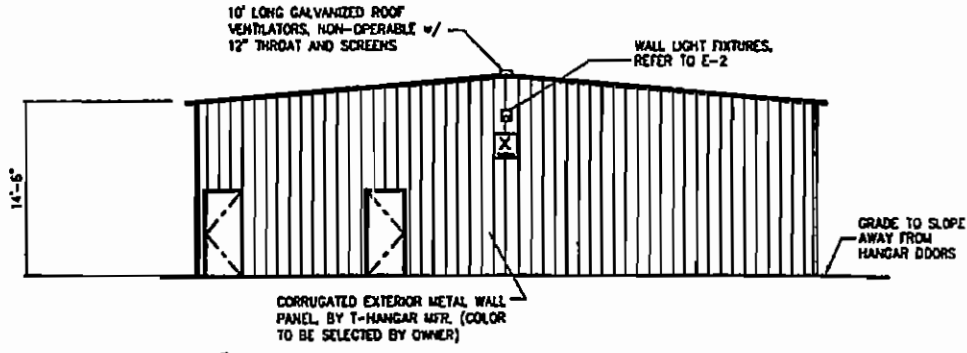
**Passero Associates**  
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904-491-3804 Fax 904-411-3840  
Certificate of Authorization #3428

Engineering  
Architecture  
Surveying  
Planning

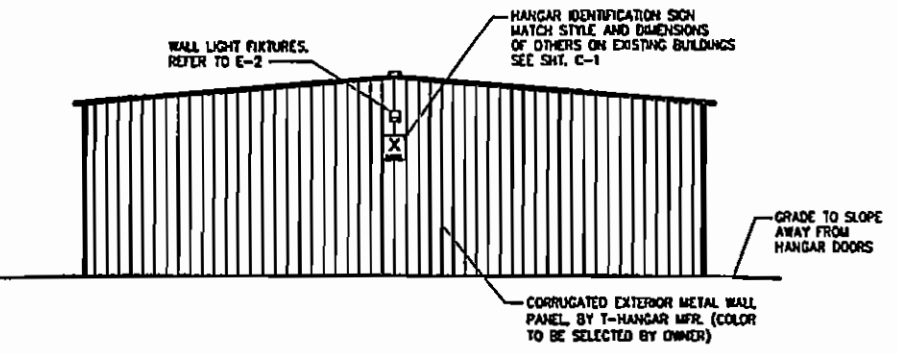
Project  
**T-Hangar Floor Plan**  
North Area Hangar Development  
Fernandina Beach Municipal Airport  
Fernandina Beach, Amelia Island, Florida  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26  
Drawing No.  
**13**  
June, 2007

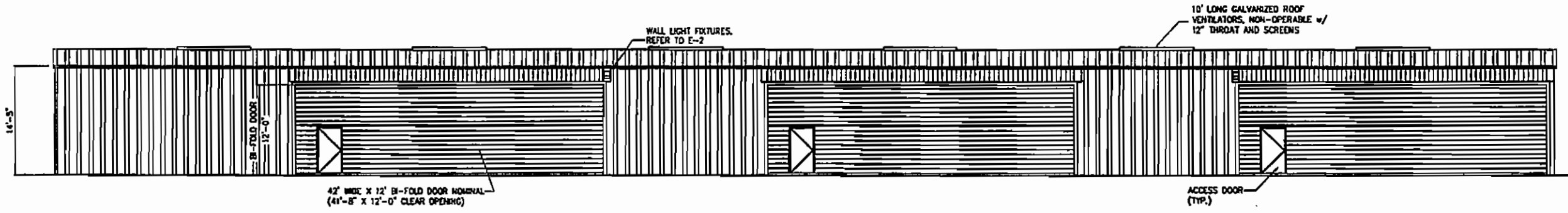
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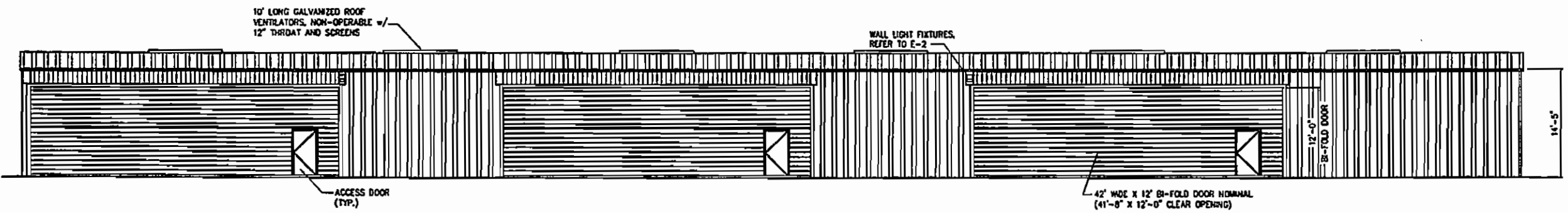
① TYP. END ELEVATION @ RESTROOMS  
SCALE: 1/8"=1'-0"



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



③ TYPICAL SIDE ELEVATION (6 UNIT T-HANGER)  
SCALE: 1/8"=1'-0"



④ TYPICAL SIDE ELEVATION (6 UNIT T-HANGER)  
SCALE: 1/8"=1'-0"

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (AIRPLAT.)	20736+40'
REFERENCE POINT (SURF) LONG.	R1-27+45'
MEAN SEASIDE TEMPERATURE	61°
MAGNETIC VARIATION (1991)	753'10" (1979)
AIRPORT NAV AIDS	GPS NPA, R/W 13-31
AIRPORT REFERENCE CODE	0-0
CRITICAL AIRCRAFT	CLIFFSTREAM G-4V

Revisions			
No.	Date	By	Revision
1	6-7-07	WJR	REVISED

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1/8" = 1'-0"

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Designer  
William Reid

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Certificate of Authorization #3420

Engineering  
Architecture  
Surveying  
Planning

Drawing  
**T-Hangar Elevations**

Project  
**North Area Hangar Development  
Fernandina Beach Municipal Airport**

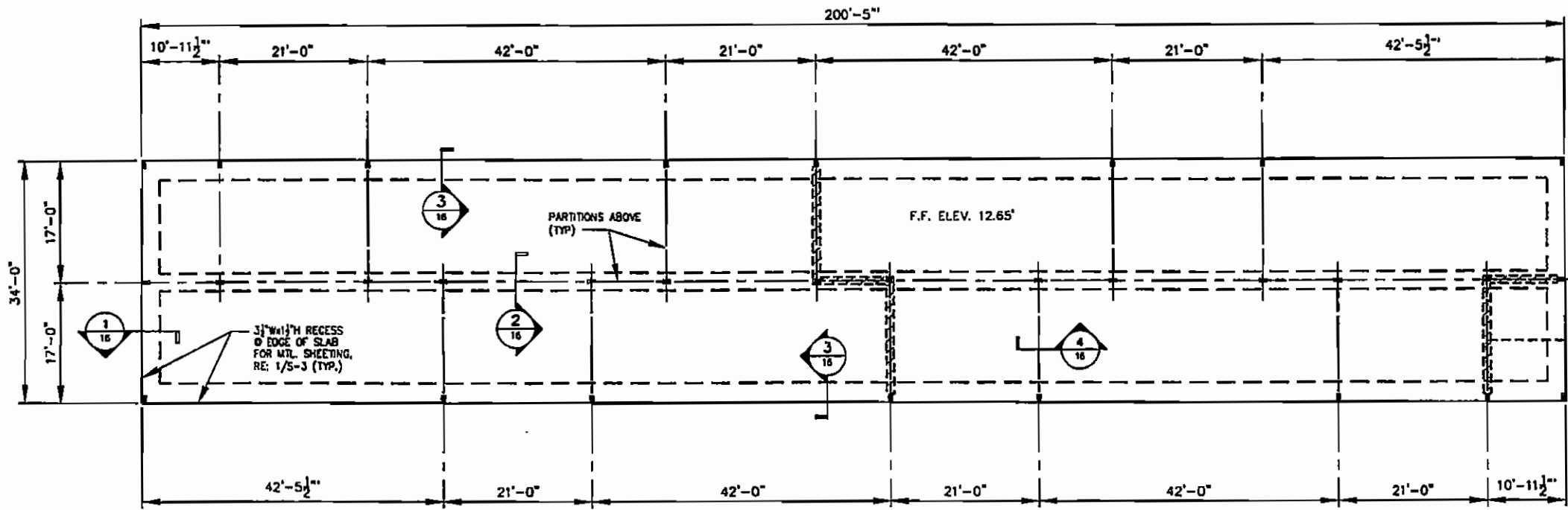
Fernandina Beach, Amelia Island, Florida

Owner  
**City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034**

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Drawing No.  
**14**

June, 2007

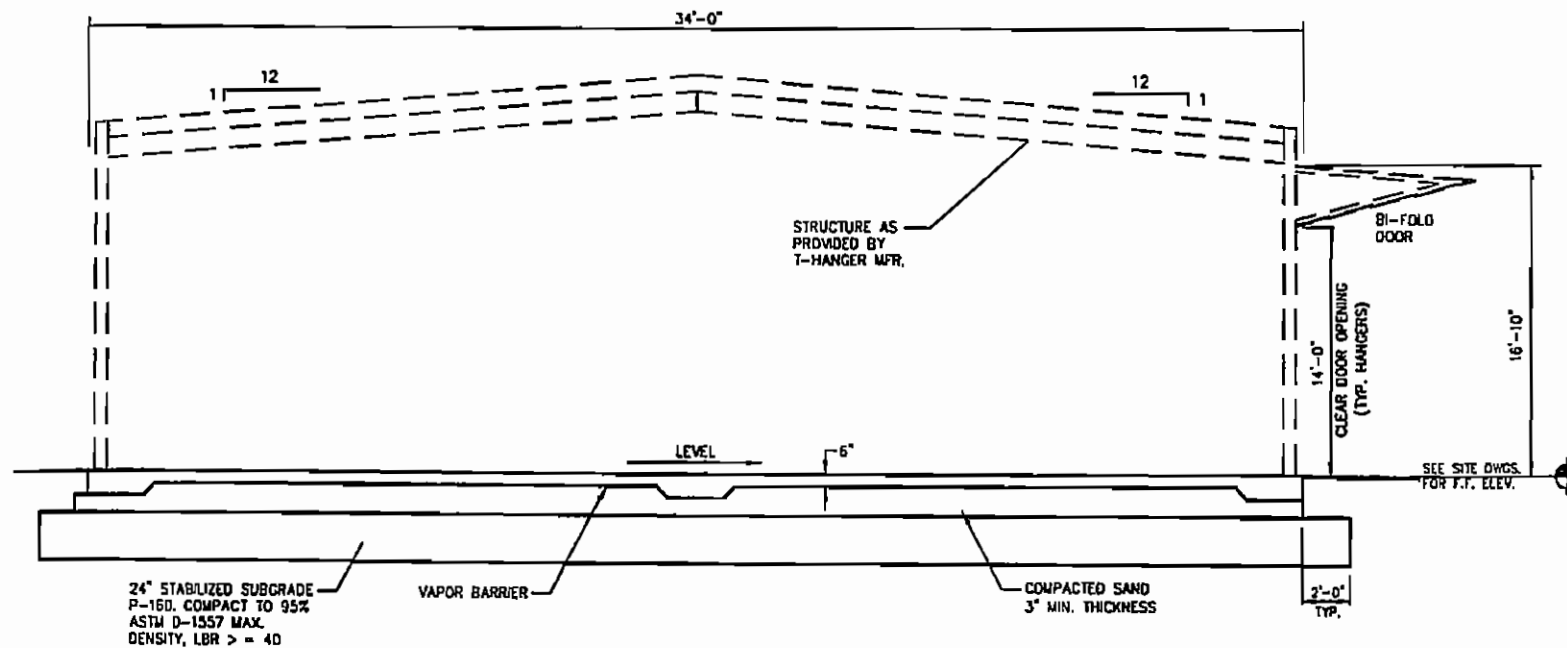


**FOUNDATION PLAN (6 UNIT T-HANGAR)**

SCALE: 1" = 10'

**GENERAL NOTES:**

- LAYOUT OF ANCHOR BOLTS WILL BE SPECIFIED ON A LATER DATE IN T-HANGER SHOP DRAWINGS PROVIDED BY BUILDING MANUFACTURER
- ALL STRUCTURAL ELEMENTS ASSOCIATED WITH T-HANGAR SUPER STRUCTURE TO BE SIZED, DESIGNED AND SPECIFIED WITHIN SHOP DRAWINGS OF T-HANGAR MANUFACTURER.
- ALL DIMENSIONS ASSOCIATED WITH THE STRUCTURAL GRID AS SHOWN, TO BE COORDINATED WITH T-HANGAR MANUFACTURER SHOP DRAWINGS.
- ALL DIMENSIONS ARE TO CENTER LINES OF COLUMNS OR EDGE OF SLAB.
- CONTRACTOR TO COORDINATE AND ADJUST FINISH SLAB ELEVATION AS REQUIRED BY HANGAR MANUFACTURER IN HANGAR SHOP DRAWINGS.
- CONTRACTOR TO PROVIDE CONTROL JOINTS AT 10'-0" MAX. SPACING. PROVIDE DIAMOND ISOLATION JOINTS AT ALL STRUCTURAL COLUMNS. CUT ALL JOINTS TO A MIN. DEPTH OF 1/3 TOTAL SLAB THICKNESS. RE: 3 & 4/S-3.
- VERIFY SLAB SLOPE REQUIREMENTS W/T-HANGER MFR.
- REFER TO SITE DRAWING FOR FINISH FLOOR ELEVATIONS AT HANGAR DOORS, TYPICAL.
- SEE SHEET 13 FOR FOUNDATION DETAILS AND NOTES.



**TYPICAL SECTION**

SCALE: NTS

**STRUCTURAL NOTES:**

- A. EXISTING CONDITIONS**
- PRIOR TO ANY NEW CONSTRUCTION OR PLACEMENT OF CONCRETE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING ELEVATIONS AND DIMENSIONS, LOCATION AND INVERTS OF EXISTING UTILITIES AND SERVICES. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- B. FOUNDATION WORK**
- ALL FOOTINGS TO REST ON UNDISTURBED SOIL.
  - FILL AND BACKFILL: COMPACT EACH LAYER TO NOT LESS THAN 95%
  - FOUNDATIONS HAVE BEEN DESIGNED FOR THE ASSUMED STRUCTURAL LOADS IMPOSED BY THE PRE-MANUFACTURED BUILDING AS REQUIRED BY THE 2004 FLORIDA BUILDING CODE.
  - THE CONTRACTOR SHALL ALLOW FOR FOUNDATION REVISIONS ONCE THE FINAL METAL BUILDING REACTIONS HAVE BEEN RECEIVED
- C. CONCRETE WORK**
- PROVIDE CORNER BARS AT ALL INTERSECTIONS AND CORNERS, IE: BOND BEAMS, FOOTINGS, ETC.
  - ALL CONCRETE TO BE 4,000 PSI.
  - ALL REINFORCING TO BE ASTM A-615, GRADE 60, F<sub>y</sub>=65,000 PSI FOR MESH.
  - ALL REINFORCING IN CONCRETE TO HAVE 3" COVER WHERE UNFORMED AND AGAINST EARTH, 2" WHERE FORMED AND AGAINST EARTH, AND 1" WHERE FORMED AND NOT AGAINST EARTH. SEE ACI CODE.
  - UNLESS OTHERWISE SHOWN, ALL REINFORCED SHALL BE DETAILED IN ACCORDANCE WITH ACI 315-80.
  - ALL REBAR TO LAP BY 24 DIAMETERS (MN)

**AIRPORT DATA**

ITEMS	VALUES
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARPL) LAT.	30°36'40"
REFERENCE POINT (ARPL) LONG.	81°27'45"
MEAN MAXIMUM TEMPERATURE	91°F
MAGNETIC VARIATION (1991)	7°33'18" (1975)
AIRPORT HAZARDS	GPS WPA, R/W 13-31
AIRPORT REFERENCE CODE	0-9
CRITICAL AIRCRAFT	GLFSTREAM G-IV

**Revisions**

No.	Date	By	Revised
1	8-7-07	WML	REVISED

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Scale  
**1" = 10'**

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Certificate of Authorization #3428

Engineering  
Architecture  
Surveying  
Planning

Drawing  
**T-Hangar Foundation Plan**

Project  
**North Area Hangar Development  
Fernandina Beach Municipal Airport**

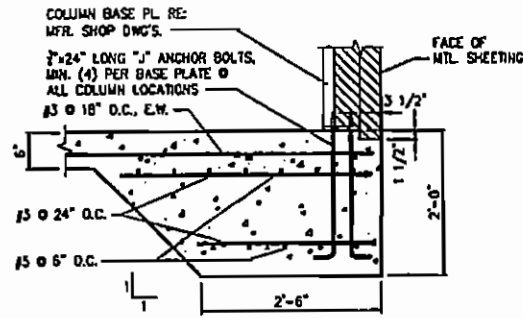
Fernandina Beach, Atlantic Island, Florida

Owner  
**City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034**

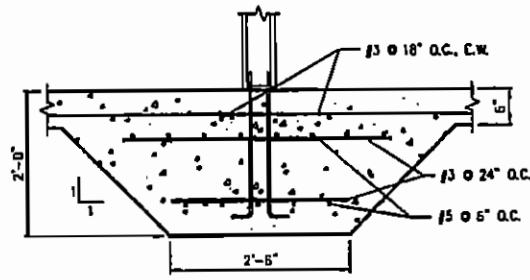
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Drawing No.  
**15**

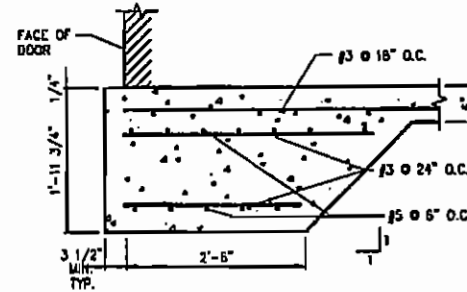
June, 2007



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



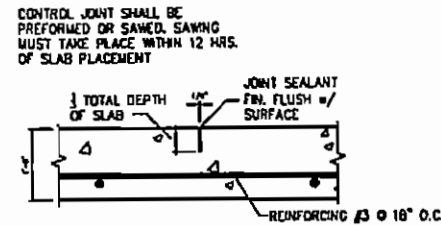
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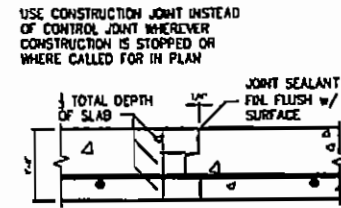
3 SECTION  
SCALE: 3/4"=1'-0"



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



5 TYP. CONTROL JOINT  
SCALE: 1 1/2"=1'-0"



6 TYP. CONSTRUCTION JOINT  
SCALE: 1 1/2"=1'-0"

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AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARP), LAT.	30°36'40"
REFERENCE POINT (ARP), LONG.	81°27'45"
MEAN MAXIMUM TEMPERATURE	91°F
MAGNETIC VARIATION (1001)	7°33'10" (1978)
AIRPORT NAVAIDS	GPS NPL R/W 13-31
AIRPORT REFERENCE CODE	0-II
CRITICAL AIRCRAFT	GULFSTREAM G-IV



Revisions			
No.	Date	By	Revised
1	8-7-07	WWR	REVISED
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Scale  
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Drawn by **T-Hangar Foundation Details**

Project  
**North Area Hangar Development**  
**Fernandina Beach Municipal Airport**

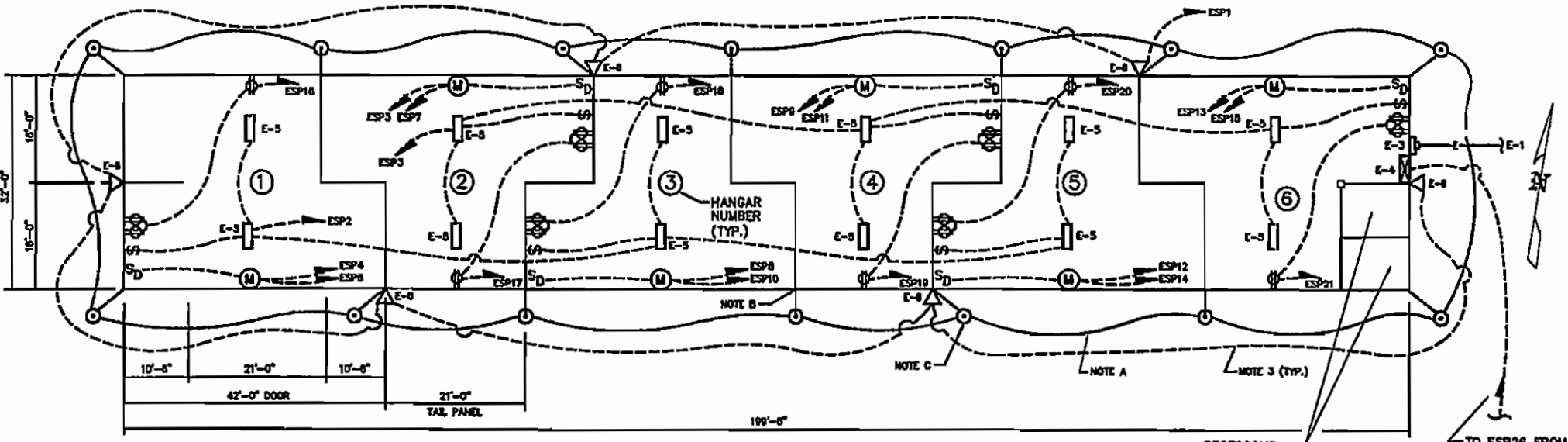
Fernandina Beach, Amelia Island, Florida

Owner  
**City of Fernandina Beach**  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26

Sheet No.  
**16**

June, 2007



**1 ELECTRICAL POWER & LIGHTING PLAN (T-HANGARS)**  
SCALE: 1" = 10'

**ELECTRICAL POWER & LIGHTING SCHEDULE:**

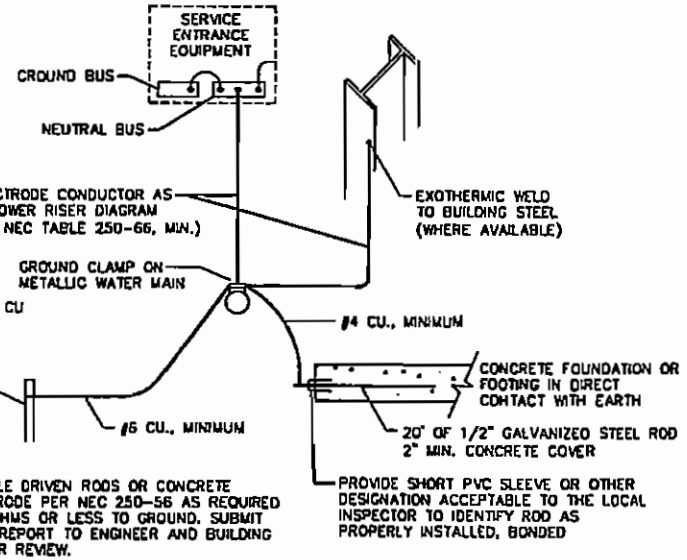
ITEM	SYMBOL	DESCRIPTION
E-1	—E—	225A-240/120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, 3" SCH 40 PVC CONDUIT W/ #4 GND. IN 3" CONDUIT, 24" UNDERGROUND, MARK WITH TAPE.
E-2		225A-240 /120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, #2 GROUND, 3" EMT CONDUIT
E-3		225A-240 /120V-SINGLE PHASE ELECTRICAL METER, SURFACE MOUNT
E-4		225A-240 /120V-SINGLE PHASE ELECTRICAL SERVICE PANEL (ESP), SURFACE MOUNT, 30 CIRCUIT (SEE NOTE #1 ELEC. SERV. RISER DIA.), 200 AMP MAIN, PLUG-IN BREAKERS
E-5		TWO-32 WATT, 48", FLUORESCENT LIGHT, CEILING SURFACE MOUNT, ELECTRONIC BALLAST ACRYLIC LENS
E-6		250W METAL HALIDE FLOOD LIGHT, WALL PACK, WET LOCATION, EXTERIOR WALL MOUNT, 240V, PHOTOCELL CONTROL, SIMILAR TO DAY-BRIGHT MODEL WLA-250-M-24 OR EQUAL
E-7	S	20A SINGLE POLE SWITCH
E-8		20A DUPLEX RECEPTACLE
E-9		20A DUPLEX RECEPTACLE (GROUND FAULT CIRCUIT INTERRUPTED)
E-10	S D	DOOR OPERATOR SWITCH, 240 V, 1 PHASE w/ 2 BUTTON CONSTANT HOLD CONTROL STATION. COORDINATE SIZE AND LOCATION WITH DOOR MFR.
E-11	M	BI-FOLD DOOR OPENER MOTOR, 3/4 H.P., SINGLE PHASE, 230V. COORDINATE SIZE AND LOCATION WITH DOOR MFR.

**ELECTRICAL SERVICE PANEL (ESP)**

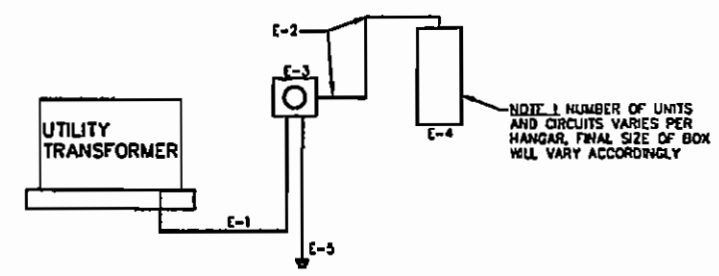
#	CIRCUIT	WIRE	CB	A	B	CB	WIRE	CIRCUIT	#
1	EXTERIOR LIGHTING-T HANGARS	12	20				20	12	HANGAR LIGHTING
2	HANGAR LIGHTING	12	20				20	12	HANGAR DOOR MOTOR 1
3	HANGAR DOOR MOTOR 2	12	20				20	12	HANGAR DOOR MOTOR 3
4	HANGAR DOOR MOTOR 4	12	20				20	12	HANGAR DOOR MOTOR 5
5	HANGAR DOOR MOTOR 6	12	20				20	12	RECEPTACLES HANGAR 1
6	RECEPTACLES HANGAR 2	12	20				20	12	RECEPTACLES HANGAR 3
7	RECEPTACLES HANGAR 4	12	20				20	12	RECEPTACLES HANGAR 5
8	RECEPTACLES HANGAR 6	12	20				20	12	RECEPTACLE-WATER HEATER
9	RECEPTACLES-TOILETS	12	20				20	12	RECEPTACLE-WATER HEATER
10	LIGHTING-TOILETS	12	20				20	12	EXTERIOR LIGHT-BULK HANGARS
11	SPARE BREAKER	12	20				20	12	SPARE BREAKER
12	SPARE BREAKER	12	20				20	12	SPARE BREAKER

VOLTAGE 120/240  
1 PH. 3W

MAIN CB 125A  
MOUNTING SURFACE



**GROUND DETAIL**  
A.T.S.



**2 ELECTRICAL SERVICE RISER DIAGRAM**  
SCALE: N.T.S.

**NOTES:**

- ALL WORK AND WIRE SIZES SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND MEET ALL APPLICABLE CODES AND MANUFACTURERS RECOMMENDATIONS.
- THE ELEVATION OF THE BOTTOM OF THE FLUORESCENT LIGHT FIXTURES SHALL BE BETWEEN 14'-0" AND 14'-6" ABOVE FINISHED FLOOR.
- ALL INTERIOR WIRING SHALL BE INSTALLED IN 1/2" DIAMETER EMT CONDUIT IN CONFORMANCE WITH THE TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUITS, RISERS, WIRING, FITTINGS, ETC. IN ACCORDANCE WITH THE NEC STANDARDS. ALL EXCAVATION AND BACKFILL RELATED TO INSTALLATION OF THE SERVICE SHALL BE PERFORMED BY THE CONTRACTOR.
- ALL SWITCHES SHALL BE INSTALLED NEAR THE PEDESTRIAN DOORS.
- THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED INSPECTIONS, APPROVALS, AND PERMITS PRIOR TO FINAL ACCEPTANCE BY OWNER.
- ALL RECEPTACLES SHALL BE LOCATED 24" ABOVE THE FINISHED FLOOR ELEVATION.
- ALL ELECTRICAL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM L-100.
- CONTRACTOR SHALL PROVIDE CONNECTION FOR THE ELECTRICAL SERVICE.
- INSULATION TYPE THHN/THWN ABOVE AND BELOW GROUND
- TEST AND BALANCE CURRENT PER PHASE
- VERIFY RESISTANCE TO GROUND AT LESS THAN 25 OHMS
- SEE DWG. NO. 18 FOR RESTROOM POWER AND LIGHTING.

**AIRPORT DATA**

ITEMS	VALUES
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (AIRPLAT)	30°38'40"
REFERENCE POINT (AIRPLONG)	81°27'45"
MEAN HANGAR TEMPERATURE	81°F
MAGNETIC VARIATION (1991)	7°31'18" (1979)
AIRPORT NAVARS	GPS WPA, R/W 13-31
AIRPORT REFERENCE CODE	0-2
CRITICAL AIRCRAFT	GULFSTREAM G-IV

**Revisions**

No.	Date	By	Revised
1	6-7-07	WCH	REVISED

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**Scale**

**NTS**

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Certificate of Authorization #3428

Engineering  
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Planning

**T-Hangar Electrical Plans and Notes**

Project  
**North Area Hangar Development**  
Fernandina Beach Municipal Airport

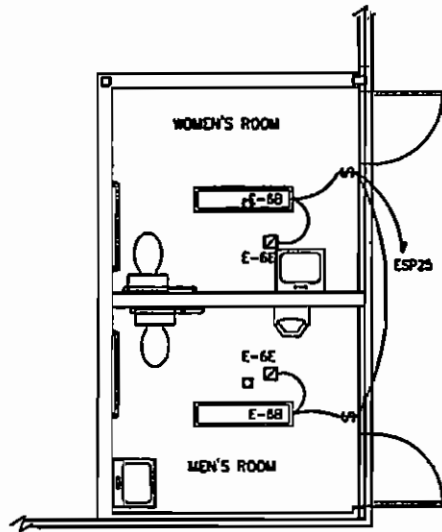
Fernandina Beach, Amelia Island, Florida

Client  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

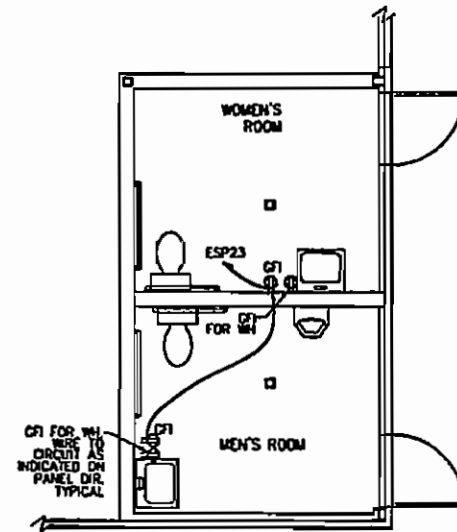
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Drawing No.  
**17**

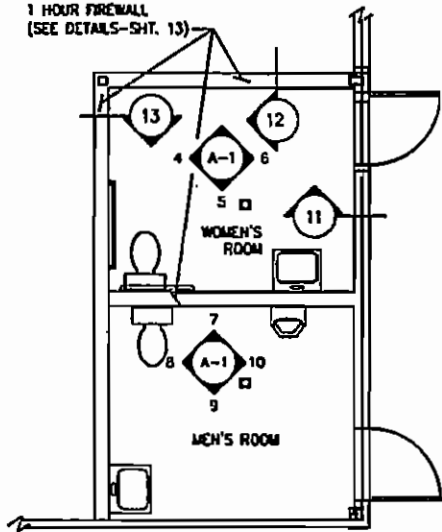
June, 2007



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



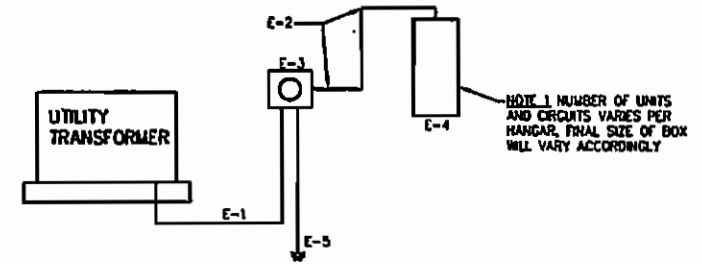
2 POWER PLAN DETAIL  
SCALE: 1/4"=1'-0"



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

- TYPICAL NOTES:**
- #4/0 BARE COPPER, STRANDED GROUND WIRE, 18" BELOW GRADE (TYPICAL)
  - CABLE TO CABLE CONNECTION w/ GROUNDING TO BUILDING STEEL
  - 3-#10 COPPER GROUND ROD (TYP.)

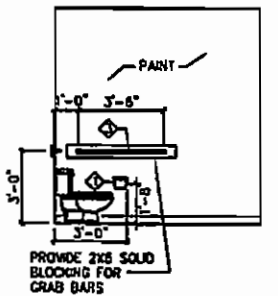
- ELECTRICAL NOTES:**
- WIRING, CONDUIT, AND EQUIPMENT SHALL BE AS REQUIRED, AND IN CONFORMANCE WITH APPLICABLE CODES.
  - SWITCH FOR LIGHTS AND DUPLEX CONVEGENCE OUTLET MOUNTED 4' ABOVE FINISHED FLOOR, ONE PER UNIT.
  - 3 #10 WIRE AND 1" EMT CONDUIT HOME RUN TO 20 AMP 120 VOLT BREAKER, TYPICAL ALL CIRCUITS. OUTSIDE LIGHTS CONTROLLED VIA TIMER, 3 #10, 1" EMT HOME RUN TO TIMER.
  - ONE 225 AMP PANEL AND METER BASE AS SHOWN WITH 200 AMP MAIN BREAKER. PROVIDE WIRING AND CONDUIT AS REQUIRED TO MAKE ELECTRICAL SYSTEM FUNCTIONAL AND IN COMPLIANCE WITH CODES. LOCATE PANEL IN MECH./STORAGE ROOM.
  - CONTRACTOR SHALL PROVIDE CONNECTION FOR THE ELECTRICAL SERVICE.
  - CONDUCTORS, COPPER
  - EQUIPMENT RATED 42,000 AMP FAULT CURRENT
  - INSULATION TYPE THIN/THIN ABOVE AND BELOW GROUND
  - TEST AND BALANCE CURRENT PER PHASE
  - VERIFY RESISTANCE TO GROUND AT LESS THAN 25 OHMS
  - HOMERUN BACK TO MAIN ELECTRICAL SERVICE PANEL



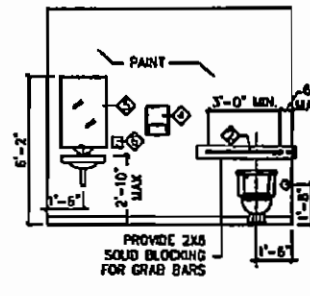
3 ELECTRICAL SERVICE RISER DIAGRAM  
SCALE: N.T.S.

ELECTRICAL POWER & LIGHTING SCHEDULE:		
ITEM	SYMBOL	DESCRIPTION
E-1		225A-240/120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, 3" SCH 40 PVC CONDUIT, 24" UNDERGROUND, MARK WITH TAPE.
E-2		225A-240 /120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, #2 GROUND, 3" EMT CONDUIT
E-3		225A-240 /120V-SINGLE PHASE ELECTRICAL METER, SURFACE MOUNT
E-4		225A-240 /120V-SINGLE PHASE ELECTRICAL PANEL, SURFACE MOUNT, 42 CIRCUIT (SEE NOTE #1 ELEC. SERV. RISER DIA.), 200 AMP MAIN, PLUG-IN BREAKERS
E-5		#2 BOND TO FOUNDATION REINFORCEMENT STEEL, #2 BOND TO BUILDING STEEL, #2 TO 6"x8" COOPER STEEL GROUND ROD
E-6A		TWO-32 WATT, 48", FLUORESCENT LIGHT, EXTERIOR TYPE, CEILING SURFACE MOUNT, ELECTRONIC BALLAST, ACRYLIC LENS
E-6B		TWO-32 WATT, 48", FLUORESCENT LIGHT, CEILING SURFACE MOUNT, ELECTRONIC BALLAST ACRYLIC LENS
E-6C		250W METAL HALIDE FLOOD LIGHT, WALL PACK, WET LOCATION, EXTERIOR WALL MOUNT, 240V, SIMILAR TO DAY-BRIGHT MODEL WLA-250-M-24
E-6D		2-250 WATT LIGHTS MOUNTED ON FASCIA NEAR ROOF (TYPICAL) SPACE EQUALLY.
E-6E		EXHAUST FAN, 100 CFM @ 1" S.P.
E-7	5	20A SINGLE POLE SWITCH
E-8A	9	20A DUPLEX RECEPTACLE
E-8B	9	20A DUPLEX RECEPTACLE (GROUND FAULT CIRCUIT INTERRUPTED)
E-11	17	20A - 240V - 1 POLE LIGHTING TIMER, SURFACE MOUNT, WIRED TO EXTERIOR LIGHTING CIRCUIT
E-12		5000 BTU THRU-WALL A/C UNIT, w/ SLEEVE, 110 VOLT
E-13		NOT USED
E-14		DOOR OPERATOR 240 V, 1 PHASE w/ 2 BUTTON CONSTANT HOLD CONTROL STATION. COORDINATE SIZE AND LOCATION WITH HYDRAULIC DOOR MFR.

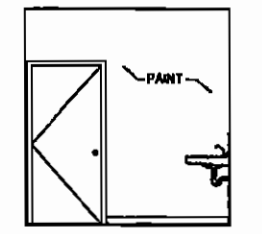
- TOILET ROOM ACCESSORIES**
- ◆ SURFACE-MOUNT TOILET TISSUE HOLDER B-27480
  - ◆ GRAB BAR, 36" SERIES B-5806X36
  - ◆ GRAB BAR, 42" SERIES B-5806X42
  - ◆ ELECTRIC WALL MOUNTED HAND DRYER
  - ◆ 24"Wx36"H MIRROR
  - ◆ WALL-MOUNTED SOAP DISPENSER B-2112
- NOTE: ALL ACCESSORIES ARE BOBRICK PRODUCTS (OR EQUAL)



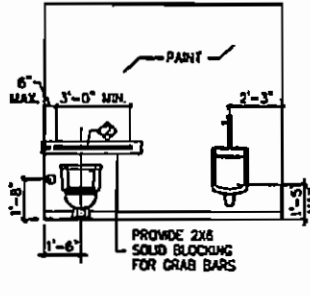
4 INTERIOR ELEVATION  
SCALE: 1/4"=1'-0"



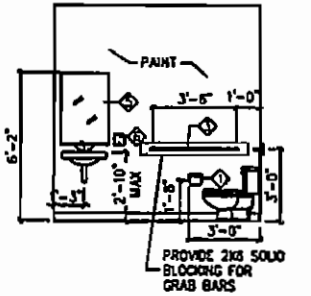
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SCALE: 1/4"=1'-0"



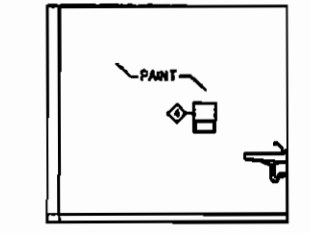
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SCALE: 1/4"=1'-0"



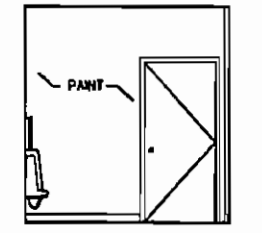
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SCALE: 1/4"=1'-0"



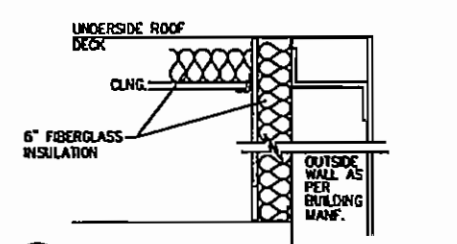
8 INTERIOR ELEVATION  
SCALE: 1/4"=1'-0"



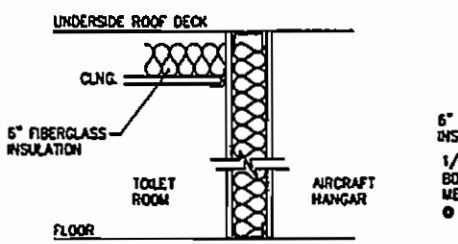
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SCALE: 1/4"=1'-0"



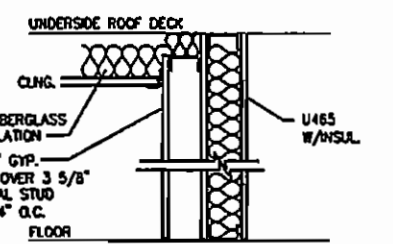
10 INTERIOR ELEVATION  
SCALE: 1/4"=1'-0"



11 1 HR. PARTITION-EXTERIOR WALL  
SCALE: N.T.S.  
5 5/8", 20 GA. GALV STEEL STUDS @ 24" O.C. w/ (1) LAYER OF 5/8" GYP. BRD. ON FINISHED SIDE OF STUD. EXTEND WALL ASSEMBLY TO 6" ABOVE CEILING LINE. PROVIDE 6" FIBERGLASS INSULATION TO FULL HEIGHT OF WALL AND EXTEND HORIZONTALLY ABOVE DROP CEILING.



12 PARTITION - INTERIOR WALL  
SCALE: N.T.S.  
5 5/8", 20 GA. GALV STEEL STUDS @ 24" O.C. w/ (1) LAYER OF 5/8" GYP. BRD. EACH FINISHED SIDE OF STUD. WALL ASSEMBLY TO DECK ABOVE. ALLOW 1 1/2" SPACE BETWEEN TOP OF WALL AND ROOF DECK AND FILL SPACE w/ FIBERSAFING.



13 1 HR. PARTITION W/FURRING  
SCALE: N.T.S.

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (AIRPLAT)	30°36'40"
REFERENCE POINT (AIRPLONG)	81°27'45"
MEAN MAXIMUM TEMPERATURE	81°
MAGNETIC VARIATION (1997)	7°31'0" (1979)
AIRPORT NAV AIDS	GPS, NPA, R/W 13-31
AIRPORT REFERENCE CODE	0-0
CRITICAL AIRCRAFT	GULFSTREAM G-IV

Revisions			
No.	Date	By	Revision

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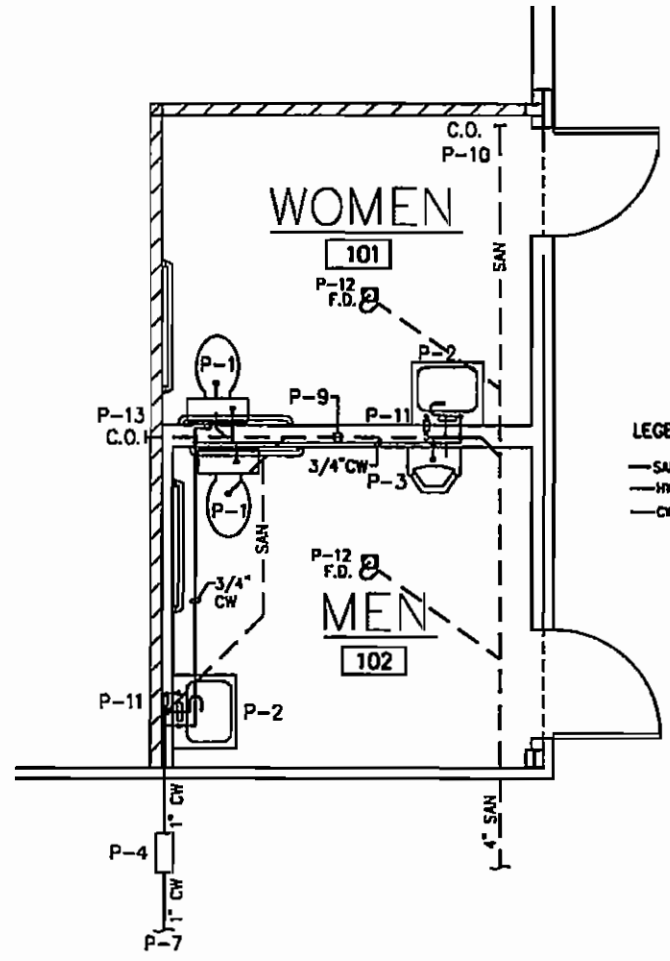
THOMAS W. COTTRELL, P.E.  
FL. P.E. #53019

Scale: NTS  
Principle-in-Charge: Andrew H. Holcsko, CH  
Project Manager: Thomas W. Cottrell, PE  
Designer: William Reid

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904-481-3404 Fax 904-481-3449  
Certificate of Authorization #3428  
Engineering  
Architecture  
Surveying  
Planning

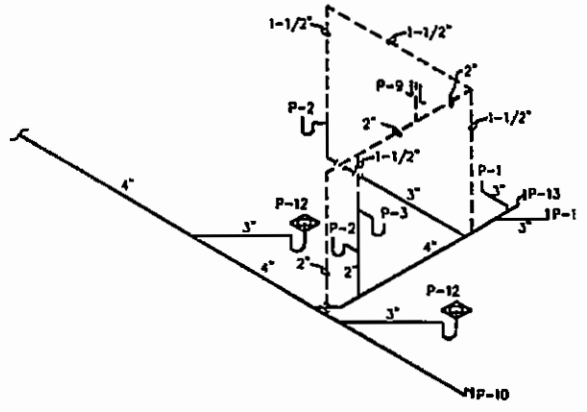
Rest Room Plans & Details  
North Area Hangar Development  
Fernandina Beach Municipal Airport  
Fernandina Beach, Amelia Island, Florida  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26  
Drawing No. 18  
January, 2007

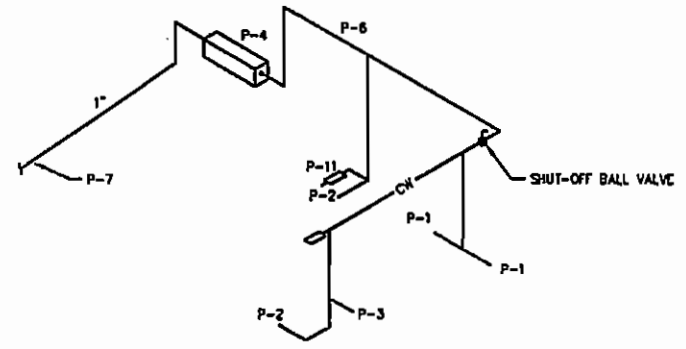


1 PLUMBING FLOOR PLAN  
SCALE: 3/8"=1'-0"

**LEGEND**  
 — SAN — SANITARY WASTE  
 — HW — DOMESTIC HOT WATER PIPE  
 — CW — DOMESTIC COLD WATER PIPE



2 SANITARY RISER DIAGRAM  
SCALE: N.T.S.



3 HOT & COLD RISER DIAGRAM  
SCALE: N.T.S.

PLUMBING SCHEDULE	
ITEM	
P-1	ELONGATED PORCELAIN WATER CLOSET, ADA STANDARD, TANK FLUSH, PRESSURE ASSISTED
P-2	PORCELAIN LAVATORY ADA WALL MOUNT, SINGLE LEVER FAUCET, INSULATE HOT WATER AND DRAIN PIPING
P-3	URINAL, ADA STANDARD
P-4	2" BACKFLOW PREVENTER ASSEMBLY WITH 2 SHUT OFF VALVES, INSULATE ALL ABOVE GRADE PIPING.
P-5	2" SURGE ARRESTOR
P-6	SCH 40 CPVC WATER PIPE (FOR DOMESTIC WATER USE ONLY WITH 1" ARMAFLEX INSULATION THROUGH WALL CEILING CAVITY).
P-7	SCH 40 CPVC WATER PIPE (FOR DOMESTIC WATER USE ONLY UNDERGROUND, 12" MINIMUM COVER).
P-8	SCH 40 PVC SANITARY DRAIN AND VENT PIPE
P-9	3" VENT THROUGH ROOF
P-10	FLOOR CLEAN-OUT
P-11	INSTANTANEOUS WATER HEATER, ARISTON MODEL GL 2.5 - CAPACITY 2.5 GALLON
P-12	SQUARE, ADJUSTABLE 3" FLOOR DRAIN (WITH TRAP PRIMER CONNECTION)
P-13	WALL CLEAN-OUT
P-14	HOSE VALVE (BBB) W/ VACUUM BREAKER

- PLUMBING NOTES:**
1. PROVIDE ALL PIPING INCLUDING CONNECTIONS TO EQUIPMENT AND FIXTURES.
  2. PROVIDE COMPLETE WATER SERVICE AND COORDINATE CONNECTION TO EXISTING ON-SITE SERVICE.
  3. PROVIDE MECHANICAL SYSTEM IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE.
  4. PROVIDE EQUIPMENT AND FIXTURES AS SPECIFIED OR EQUAL.

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARPKLAT)	30°36'40"
REFERENCE POINT (ARPKLONG)	81°27'45"
MEAN WINDWARD TEMPERATURE	91°
WINDSPEED VARIATION (1991)	7.53'18" (1979)
AIRPORT NAVIGABLES	CPS NPA, R/W 13-31
AIRPORT REFERENCE CODE	D-9
CRITICAL AIRCRAFT	GULFSTREAM G-IV

Revisions			
No.	Date	By	Revision

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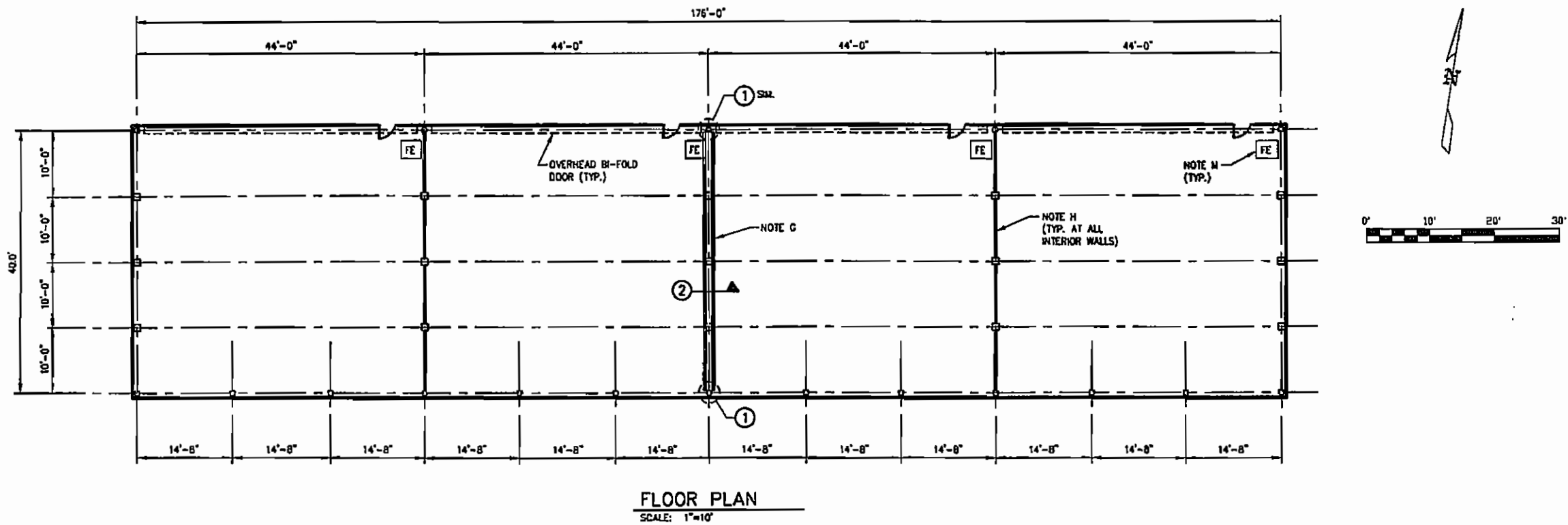
THOMAS W. COTTRILL, P.E.  
FL. P.E. #53019

Scale  
NTS  
Principal-in-Charge  
Andrew M. Holesko, CM  
Project Manager  
Thomas W. Cottrill, PE  
Designer  
William Reid

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Certificate of Authorization #3428  
Engineering  
Architecture  
Surveying  
Planning

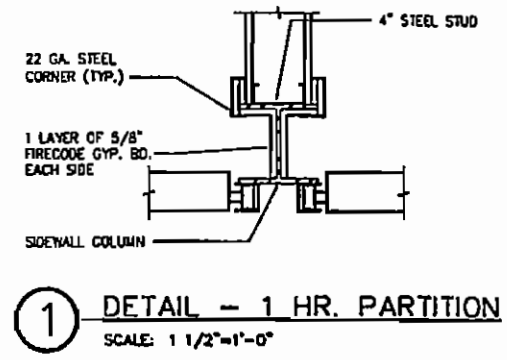
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Plumbing Plan  
Project  
North Area Hangar Development  
Fernandina Beach Municipal Airport  
Fernandina Beach, Amelia Island, Florida  
Owner  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26  
Drawing No.  
19  
January, 2007

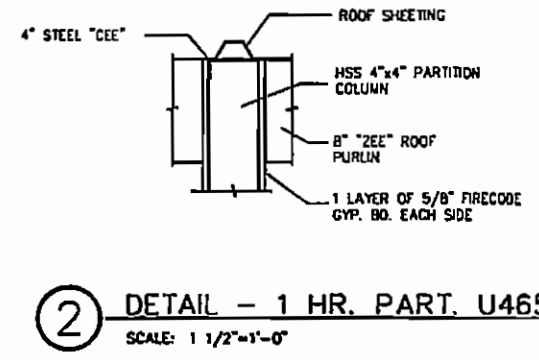


- GENERAL NOTES:**
- A. CONTRACTOR TO COORDINATE ALL PENETRATIONS IN EXTERIOR WALL/ROOF WITH MANUFACTURERS. THESE TO INCLUDE ROOF VENTS, WALL VENTS, SLEEVES ETC. CONTRACTOR TO PROVIDE ALL OPENINGS IN EXTERIOR WALLS/ROOF FOR OTHER TRADES TO INSTALL VENTS, LINES, ETC.
  - B. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR OMISSIONS FOUND DURING CONSTRUCTION. AS THOSE DISCREPANCIES OR OMISSIONS AFFECT THEIR WORK, WORK SHALL STOP ON THE AFFECTED PORTION OF THE PROJECT UNTIL THE ENGINEER HAS PROVIDED INSTRUCTIONS ON THE DISCREPANCY OR OMISSION.
  - C. CONTRACTOR SHALL PROVIDE APPROPRIATE INFILL AT ALL PARTITIONS, FLOOR SURFACES, CEILING SURFACES WHERE HEIGHT, PLAN, MATERIAL OR OTHER TRANSITIONS OCCUR. INFILL SHALL INCLUDE APPROPRIATE STRUCTURAL BACK UP, UL RATING AND FINISH.
  - D. CONTRACTOR SHALL PROVIDE FIRE STOPPING AND FIRE SAFING AT PENETRATIONS CREATED BY ALL TRADES.
  - E. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 409).
  - F. TOILET ROOM FACILITIES SHALL BE ACCESSIBLE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
  - G. INSTALL 1 HOUR RATED FIRE WALL F.M. DESIGN No. U465 FROM FLOOR TO CEILING. PROVIDE 2 COATS OF PAINT ON EXPOSED SURFACES.
  - H. PROVIDE 9"x3"x11 GA. ANGLE IRON WITH FIRE/FUEL RESISTANT CAULKING TO FORM A CURB ALONG ALL INTERIOR PARTITIONS AND FIRE RATED WALLS.
  - J. PROVIDE STRUCTURAL SUPPORT FOR MAN DOORS TO WITHSTAND 130 MPH WINDS.
  - K. GYP. BOARD CEILING IN REST ROOMS @ 9'-0" A.F.F. PAINTED.
  - L. 10" LONG GALVANIZED ROOF VENTILATORS, NON-OPERABLE w/ 12" THROAT AND SCREENS.
  - M. PROVIDE 1-20" TYPE PURPLE K FIRE EXTINGUISHER FE IN EACH HANGAR UNIT.
  - N. STRUCTURES INCLUDING ALL OPENINGS THROUGH THE STRUCTURE ARE TO BE DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND IN PARTICULAR, MUST SATISFY THE REQUIREMENTS OF CHAPTER 1609 - WIND LOADS OF THE 2003 IBC AND ASCE 7-05 FOR A PARTIALLY ENCLOSED STRUCTURE.

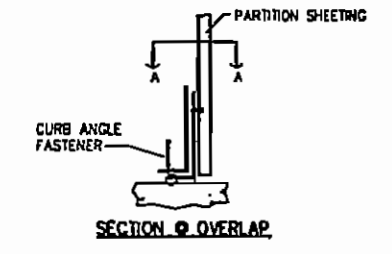
**FLOOR PLAN**  
SCALE: 1"=10'



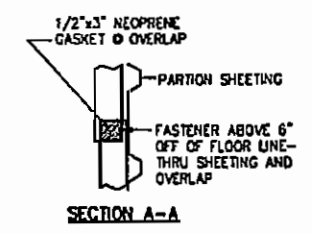
**1** DETAIL - 1 HR. PARTITION  
SCALE: 1 1/2"=1'-0"



**2** DETAIL - 1 HR. PART. U465  
SCALE: 1 1/2"=1'-0"

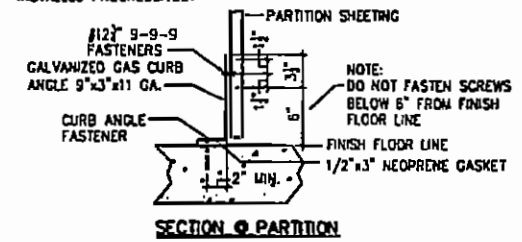


**SECTION - OVERLAP**

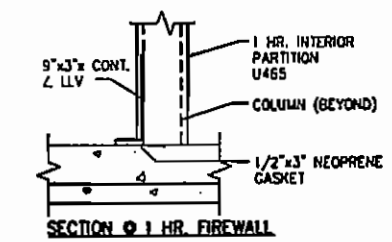


**SECTION A-A**

NOTE:  
AS CURB ANGLE IS IN 10' LENGTHS FIELD CUTTING IS REQUIRED. CURB ANGLE TO BE INSTALLED PROGRESSIVELY



**SECTION - PARTITION**



**SECTION - 1 HR. FIREWALL**

**3** GAS CURB DETAIL  
SCALE: 1 1/2"=1'-0"

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARPLAT.)	30°36'40"
REFERENCE POINT (ARPLONG.)	81°27'45"
MEAN MAXIMUM TEMPERATURE	91°
MAGNETIC VARIATION (1991)	73°18' (1979)
AIRPORT NAV AIDS	GPS RFA, R/W 13-31
AIRPORT REFERENCE CODE	0-H
CRITICAL AIRCRAFT	GULFSTREAM G-IV

Revisions				
No.	Date	BY	REVISION	REVISION
1	8-7-07	WTR	REVISED	

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THOMAS W. COTTRELL, P.E.  
FL. P.E. #55019

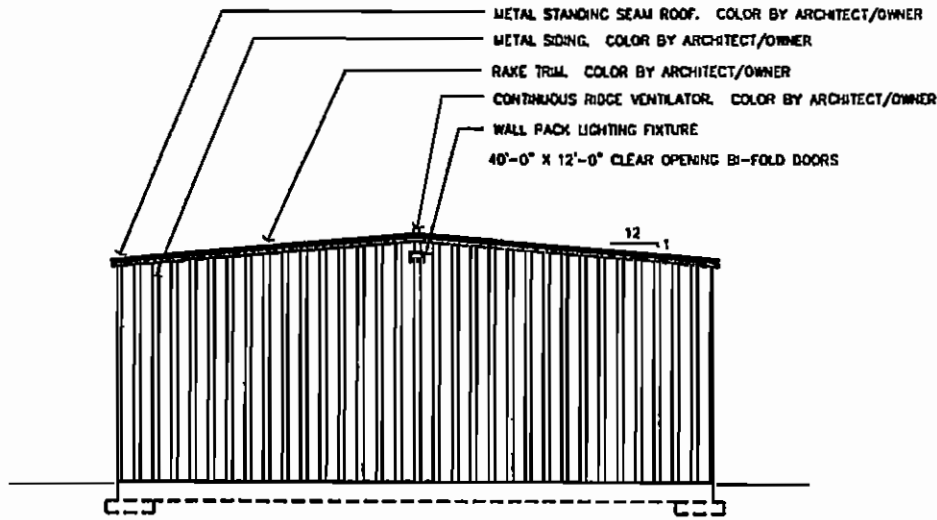
Scale  
**1" = 10'**  
Principal-in-Charge  
Andrew M. Holesko, CM  
Project Manager  
Thomas W. Cottrell, PE  
Designer  
William Reid

**Passero Associates**  
1405 Park Avenue, Suite 201  
Fernandina Beach, FL 32034  
904-491-3324 Fax 904-491-2442  
Certificate of Authorization #3428

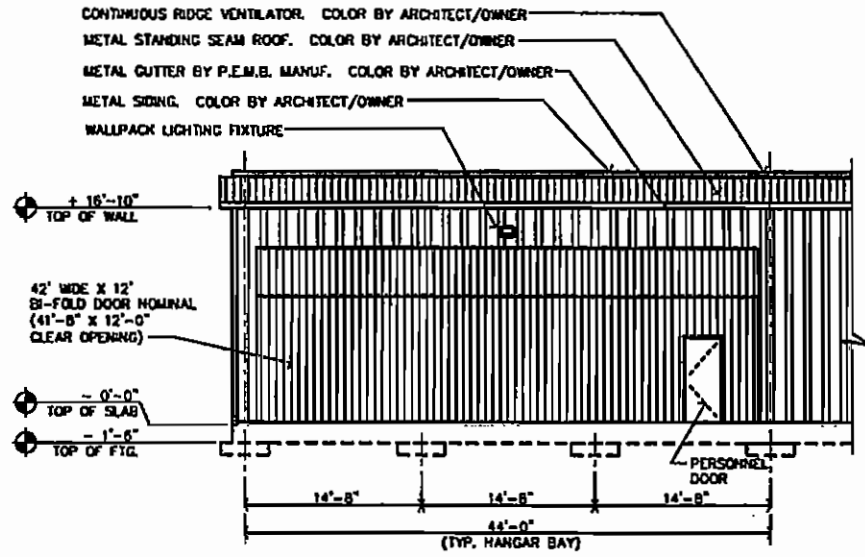
**Engineering  
Architecture  
Surveying  
Planning**

Drawing  
**Bulk Hangar Floor Plan**  
Project  
**North Area Hangar Development  
Fernandina Beach Municipal Airport**  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

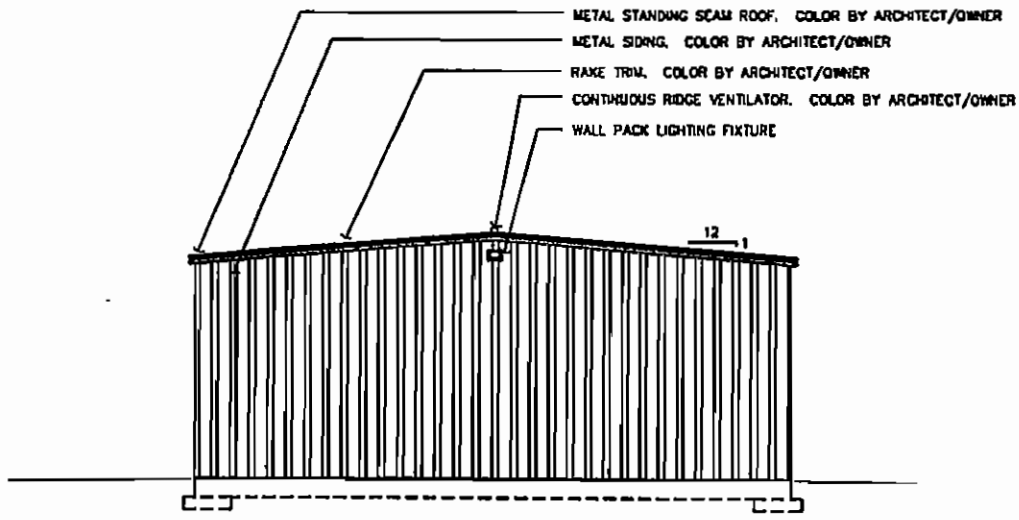
99047.26  
Drawing No.  
**20**  
June, 2007



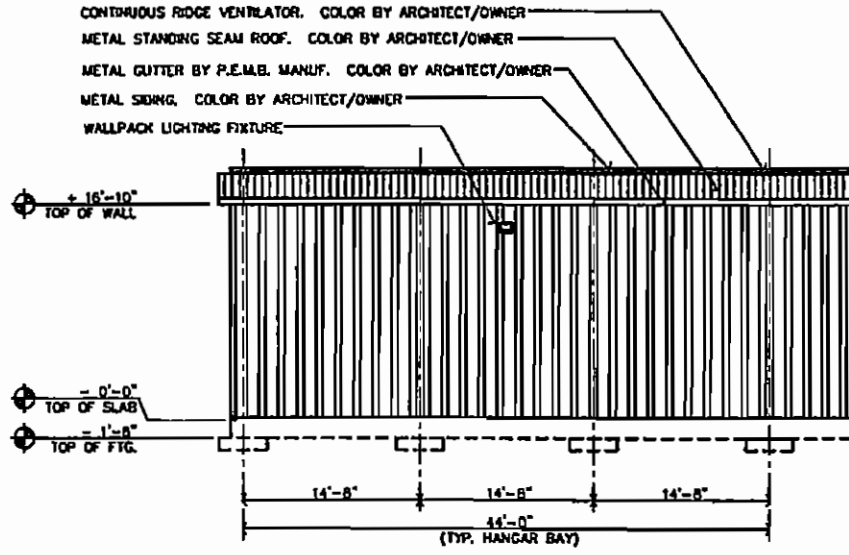
1 EAST ELEVATION  
SCALE: 1/4"=1'-0"



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



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



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

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (U.S.)	15'
REFERENCE POINT (ARP/LAT)	30°36'40"
REFERENCE POINT (ARP/LONG)	81°27'45"
MEAN MAXIMUM TEMPERATURE	91°F
MAGNETIC VARIATION (1991)	7°33'18" (1979)
AIRPORT NAV AIDS	GPS RPA, R/W 13-31
AIRPORT REFERENCE CODE	0-8
CRITICAL AIRCRAFT	GULFSTREAM G-1V

No.	Date	By	Revision

Revisions			
No.	Date	By	Revision

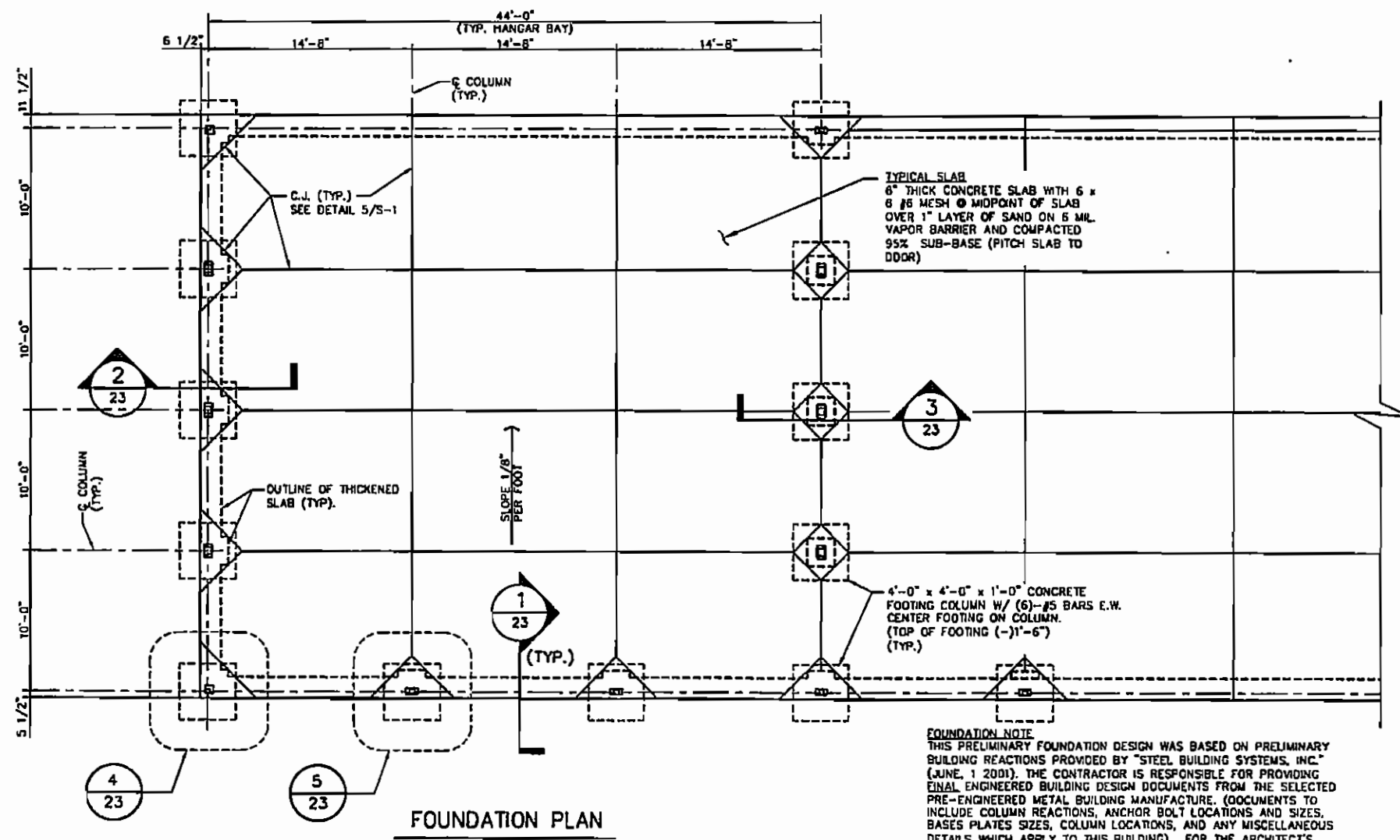
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Scale	N/A
Principal-in-Charge	Wayne F. Wegman, P.E.
Project Manager	Steve R. Thompson, A.I.A.
Designer	JJW

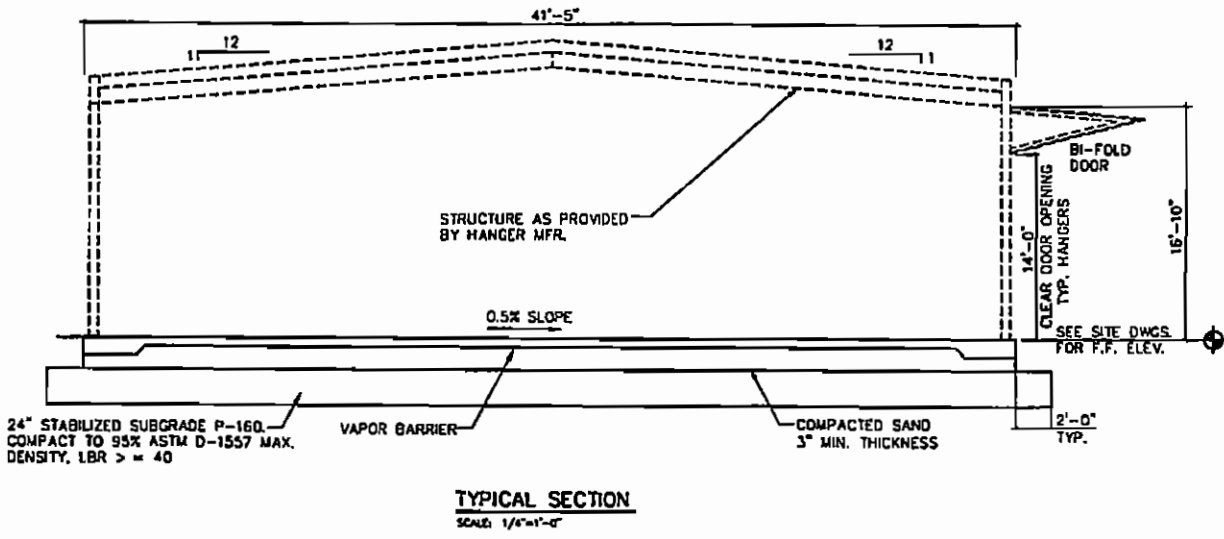
**Passero Associates**  
 1600 Airport Road, Suite C  
 Fernandina Beach, FL 32034  
 904-491-3804 Fax 904-491-3810

Drawing: Bulk Hangar Elevations  
 Project: Aircraft Storage Hangar  
 Fernandina Beach Municipal Airport  
 Fernandina Beach, Amelia Island, Florida  
 Owner: City of Fernandina Beach  
 204 Ash Street, Fernandina Beach, FL 32034

Project No.	99047.09
Drawing No.	21
Date	Sept., 2001



**FOUNDATION NOTE**  
 THIS PRELIMINARY FOUNDATION DESIGN WAS BASED ON PRELIMINARY BUILDING REACTIONS PROVIDED BY "STEEL BUILDING SYSTEMS, INC." (JUNE, 1 2001). THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING FINAL ENGINEERED BUILDING DESIGN DOCUMENTS FROM THE SELECTED PRE-ENGINEERED METAL BUILDING MANUFACTURE. (DOCUMENTS TO INCLUDE COLUMN REACTIONS, ANCHOR BOLT LOCATIONS AND SIZES, BASES PLATES SIZES, COLUMN LOCATIONS, AND ANY MISCELLANEOUS DETAILS WHICH APPLY TO THIS BUILDING). FOR THE ARCHITECT'S REVIEW AND APPROVAL.



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

**GENERAL NOTES:**

- A. CONTRACTOR TO COORDINATE ALL PENETRATIONS IN EXTERIOR WALL/ROOF WITH MANUFACTURERS. THESE TO INCLUDE ROOF VENTS, WALL VENTS, SLEEVES ETC. CONTRACTOR TO PROVIDE ALL OPENINGS IN EXTERIOR WALLS/ROOF FOR OTHER TRADES TO INSTALL VENTS, LINES, ETC.
- B. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR OMISSIONS FOUND DURING CONSTRUCTION. AS THOSE DISCREPANCIES OR OMISSIONS AFFECT THEIR WORK, WORK SHALL STOP ON THE AFFECTED PORTION OF THE PROJECT UNTIL THE ENGINEER HAS PROVIDED INSTRUCTIONS ON THE DISCREPANCY OR OMISSION.
- C. CONTRACTOR SHALL PROVIDE APPROPRIATE INFILL AT ALL PARTITIONS, FLOOR SURFACES, CEILING SURFACES WHERE HEIGHT, PLAN, MATERIAL OR OTHER TRANSITIONS OCCUR. INFILL SHALL INCLUDE APPROPRIATE STRUCTURAL BACK UP, UL RATING AND FINISH.
- D. CONTRACTOR SHALL PROVIDE FIRE STOPPING AND FIRE SAFING AT PENETRATIONS CREATED BY ALL TRADES.
- E. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 409).
- F. TOILET ROOM FACILITIES SHALL BE ACCESSIBLE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
- G. INSTALL 1 HOUR RATED FIRE WALL F.M. DESIGN No. U465 FROM FLOOR TO CEILING. PROVIDE 2 COATS OF PAINT ON EXPOSED SURFACES.
- H. PROVIDE 9"x3"x11 GA. ANGLE IRON WITH FIRE/TWEL RESISTANT CAULKING TO FORM A CURB ALONG ALL INTERIOR PARTITIONS AND FIRE RATED WALLS.
- J. PROVIDE STRUCTURAL SUPPORT FOR MAN DOORS TO WITHSTAND 130 MPH WINDS.
- K. GYP. BOARD CEILING IN REST ROOMS @ 9'-0" A.F.F. PAINTED.
- L. 10' LONG GALVANIZED ROOF VENTILATORS, NON-OPERABLE w/ 12" THROAT AND SCREENS.
- M. PROVIDE 1-20" TYPE PURPLE K FIRE EXTINGUISHER FE IN EACH HANGAR UNIT.
- N. STRUCTURES INCLUDING ALL OPENINGS THROUGH THE STRUCTURE ARE TO BE DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (2003 IBC) AND IN PARTICULAR, MUST SATISFY THE REQUIREMENTS OF CHAPTER 1609 - WIND LOADS OF THE 2003 IBC AND ASCE 7-05 FOR A PARTIALLY ENCLOSED STRUCTURE.

**STRUCTURAL NOTES:**

- A. EXISTING CONDITIONS
  1. PRIOR TO ANY NEW CONSTRUCTION OR PLACEMENT OF CONCRETE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS INCLUDING ELEVATIONS AND DIMENSIONS, LOCATION AND INVERTS OF EXISTING UTILITIES AND SERVICES. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- B. FOUNDATION WORK
  1. ALL FOOTINGS TO REST ON UNDISTURBED SOIL.
  2. FILL AND BACKFILL: COMPACT EACH LAYER TO NOT LESS THAN 95%.
  3. FOUNDATIONS HAVE BEEN DESIGNED FOR THE ASSUMED STRUCTURAL LOADS IMPOSED BY THE PRE-MANUFACTURED BUILDING AS REQUIRED BY THE 2004 FLORIDA BUILDING CODE.
  4. THE CONTRACTOR SHALL ALLOW FOR FOUNDATION REVISIONS ONCE THE FINAL METAL BUILDING REACTIONS HAVE BEEN RECEIVED.
- C. CONCRETE WORK
  1. PROVIDE CORNER BARS AT ALL INTERSECTIONS AND CORNERS, IE: BOND BEAMS, FOOTINGS, ETC.
  2. ALL CONCRETE TO BE 4,000 PSI.
  3. ALL REINFORCING TO BE ASTM A-615, GRADE 60. F<sub>y</sub>=65,000 PSI FOR MESH.
  4. ALL REINFORCING IN CONCRETE TO HAVE 3" COVER WHERE UNFORMED AND AGAINST EARTH, 2" WHERE FORMED AND AGAINST EARTH, AND 1" WHERE FORMED AND NOT AGAINST EARTH. SEE ACI CODE.
  5. UNLESS OTHERWISE SHOWN, ALL REINFORCED SHALL BE DETAILED IN ACCORDANCE WITH ACI 315-80.
  6. ALL REBAR TO LAP BY 24 DIAMETERS (MIN).
  7. PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL.

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (ARPLAT)	30°38'40"
REFERENCE POINT (ARPKOAG)	81°27'45"
MEAN MAXIMUM TEMPERATURE	91°F
MAGNETIC VARIATION (1991)	7°33'18" (1979)
AIRPORT NAVAIDS	DPS NPA, R/W 13-31
AIRPORT REFERENCE CODE	0-11
CRITICAL AIRCRAFT	GULFSTREAM G-IV

No.	Date	By	Revisions

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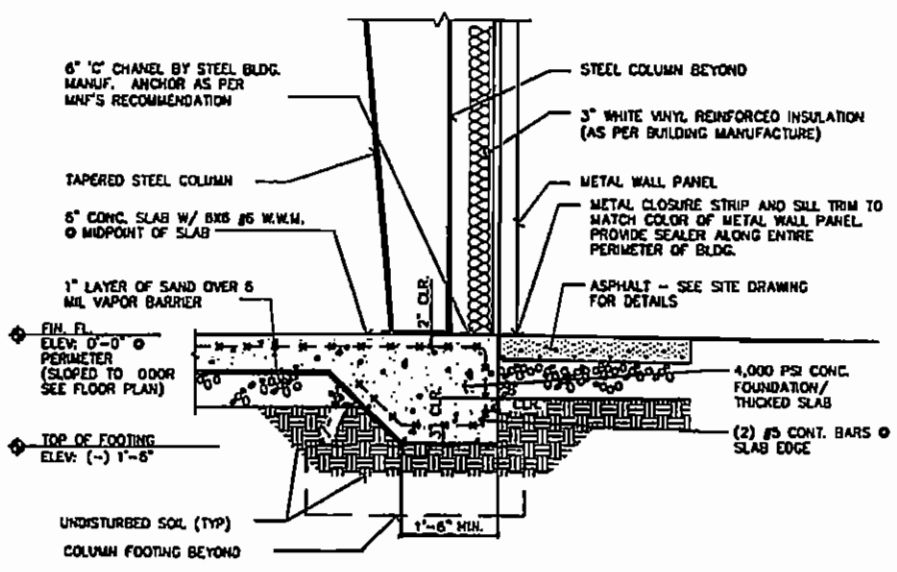
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 Designer  
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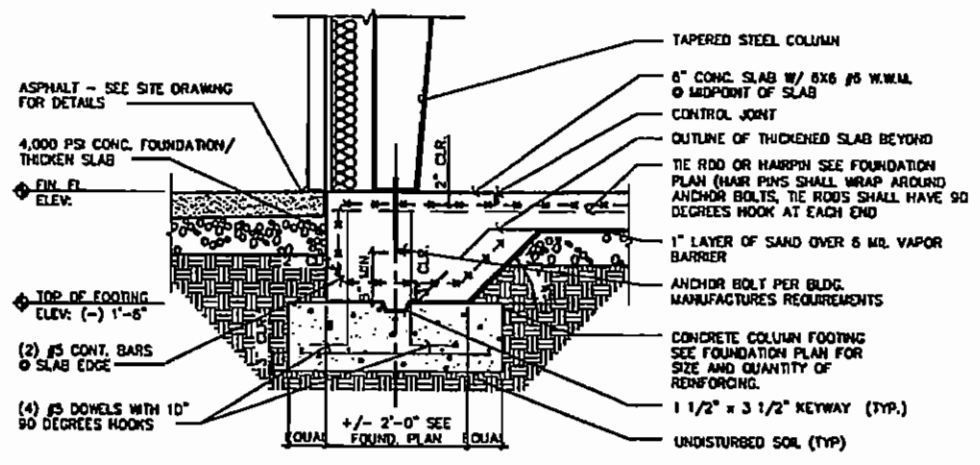
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 904-991-3804 Fax 904-991-3840  
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 Architecture  
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 Planning

**Bulk Hangar Foundation Plan and Details**  
 Project  
**North Area Hangar Development**  
**Fernandina Beach Municipal Airport**  
 Fernandina Beach, Arnie Island, Florida  
 Owner  
**City of Fernandina Beach**  
 1600 Airport Road, Fernandina Beach, FL 32034

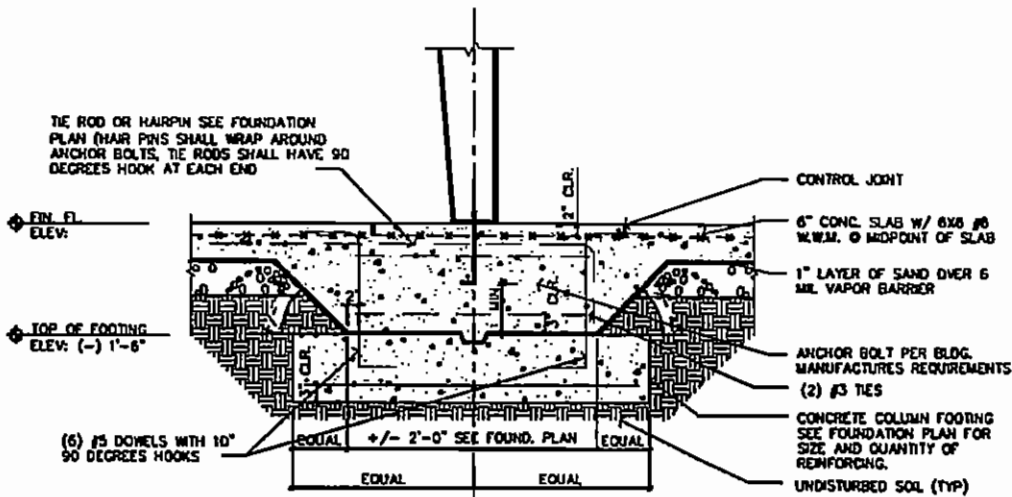
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 Drawing No.  
**22**  
 January, 2007



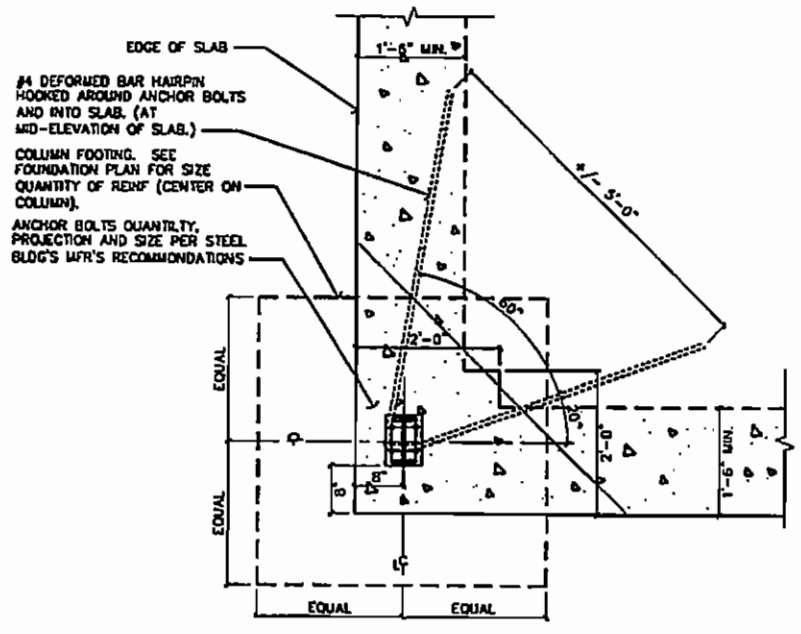
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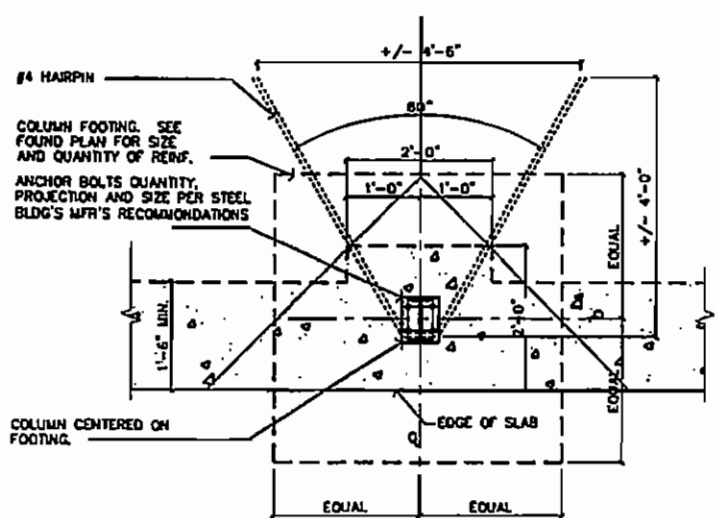
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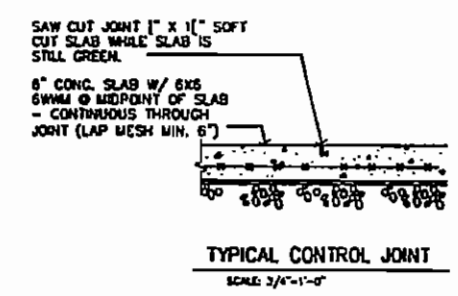
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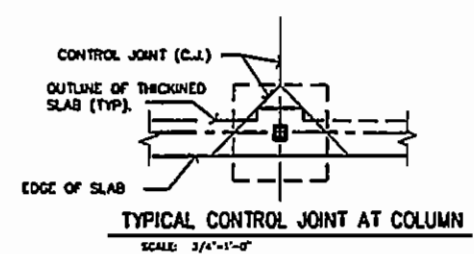
4 FOOTING DETAIL  
SCALE: 3/4"=1'-0"



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



TYPICAL CONTROL JOINT  
SCALE: 3/4"=1'-0"



TYPICAL CONTROL JOINT AT COLUMN  
SCALE: 3/4"=1'-0"

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	19'
REFERENCE POINT (ARPLAT)	30°36'40"
REFERENCE POINT (ARPLONG)	81°27'45"
MEAN MAXIMUM TEMPERATURE	81°F
MAGNETIC VARIATION (1991)	73.11° (1979)
AIRPORT HAZARDS	GPS HPA, R/W 13-31
AIRPORT REFERENCE CODE	D-6
CRITICAL AIRCRAFT	QUYSTREAM C-IV

Revisions			
No.	Date	By	Revised

Revisions			
No.	Date	By	Revised

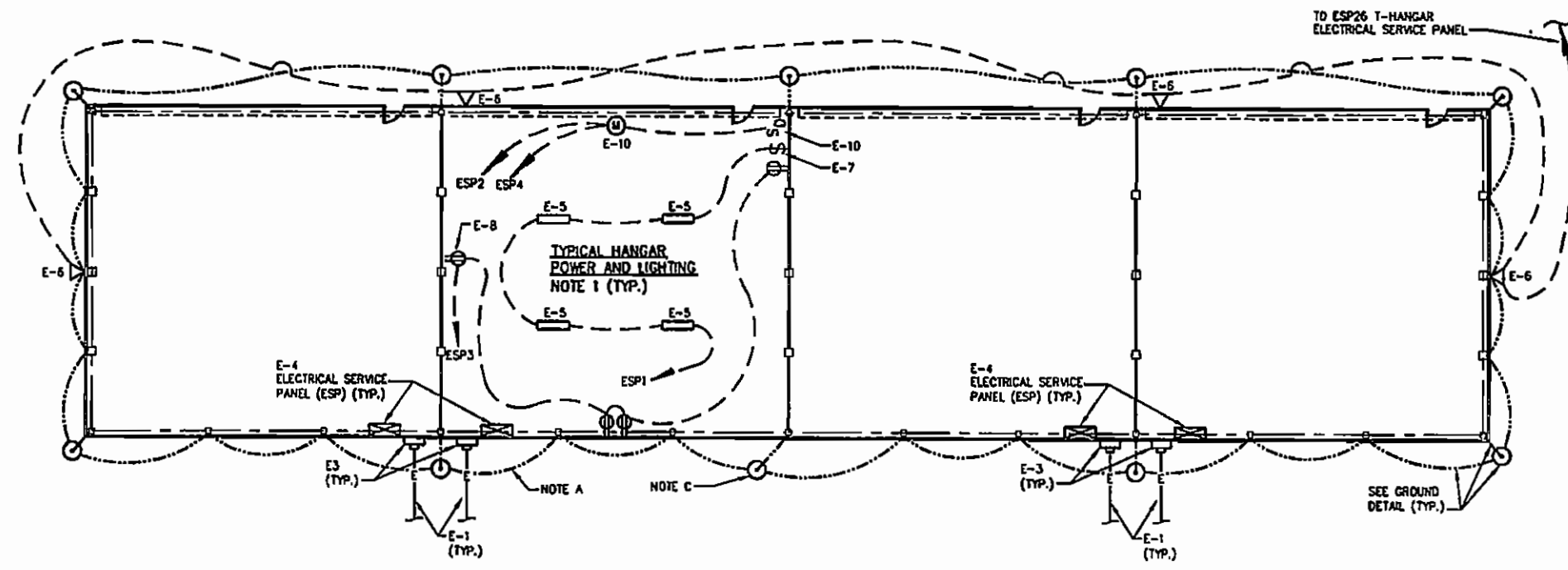
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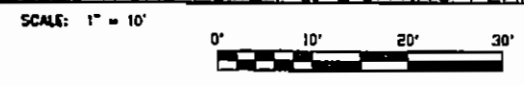
Drawing: **Bulk Hangar Foundation Details**  
Project: **North Area Hangar Development**  
**Fernandina Beach Municipal Airport**  
Fernandina Beach, Amelia Island, Florida  
Owner: **City of Fernandina Beach**  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26  
Drawing No.  
**23**  
January, 2007



ELECTRICAL POWER & LIGHTING SCHEDULE:		
ITEM	SYMBOL	DESCRIPTION
E-1	—E—	225A-240/120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, 3" SCH 40 PVC CONDUIT, 24" UNDERGROUND, MARK WITH TAPE.
E-2	—E—	225A-240 /120V-SINGLE PHASE ELECTRICAL SERVICE, THREE-4/0, #2 GROUND, 3" EMT CONDUIT
E-3	⊞	225A-240 /120V-SINGLE PHASE ELECTRICAL METER, SURFACE MOUNT
E-4	⊞	225A-240 /120V-SINGLE PHASE ELECTRICAL PANEL, SURFACE MOUNT, 30 CIRCUIT (SEE NOTE #1) ELEC. SERV. RISER DIA.), 200 AMP MAIN, PLUG-IN BREAKERS
E-5	⊞	TWO-32 WATT, 48", FLUORESCENT LIGHT, CEILING SURFACE MOUNT, ELECTRONIC BALLAST ACRYLIC LENS
E-6	▽	250W METAL HALIDE FLOOD LIGHT, WALL PACK, WET LOCATION, EXTERIOR WALL MOUNT, 240V, PHOTOCCELL CONTROL, SIMILAR TO DAY-BRIGHT MODEL WLA-250-M-24 OR EQUAL
E-7	S	20A SINGLE POLE SWITCH
E-8	⊞	20A DUPLEX RECEPTACLE
E-9	⊞	20A DUPLEX RECEPTACLE (GROUND FAULT CIRCUIT INTERRUPTED)
E-10	S <sub>D</sub>	DOOR OPERATOR SWTCH, 240 V, 1 PHASE w/ 2 BUTTON CONSTANT HOLD CONTROL STATION. COORDINATE SIZE AND LOCATION WITH DOOR MFR.
E-11	⊞	BI-FOLD DOOR OPENER MOTOR, 3/4 H.P., SINGLE PHASE, 230V. COORDINATE SIZE AND LOCATION WITH DOOR MFR.

**ELECTRICAL POWER & LIGHTING PLAN (BULK HANGARS)**

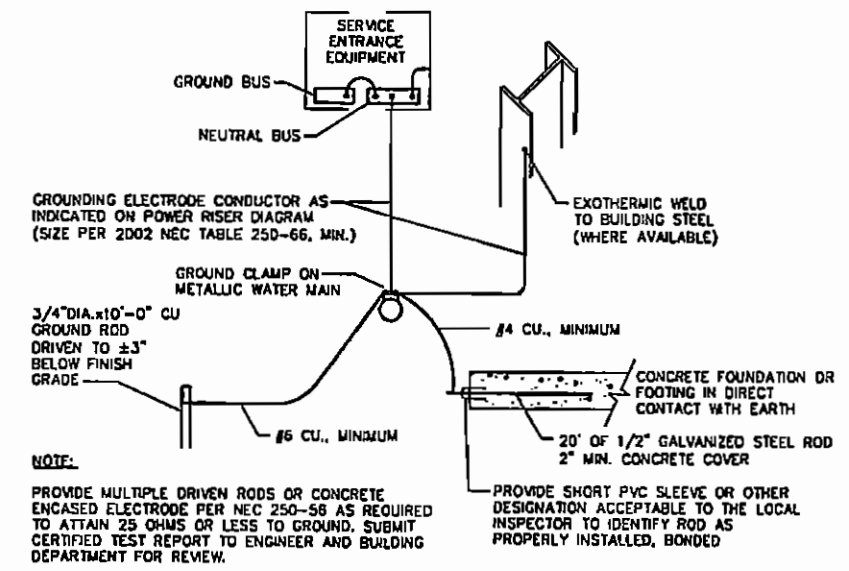


TYPICAL ELECTRICAL SERVICE PANEL (ESP)									
#	CIRCUIT	WIRE	CB	A	B	CB	WIRE	CIRCUIT	#
1	HANGAR LIGHTING	12	20			20	12	HANGAR DOOR	2
3	HANGAR RECEPTACLES	12	20						4
5	SPARE BREAKER	12	20			20	12	SPARE BREAKER	6
7	SPARE BREAKER	12	20			20	12	SPARE BREAKER	8
9	SPARE BREAKER	12	20			20	12	SPARE BREAKER	10
11	SPARE BREAKER	12	20			20	12	SPARE BREAKER	12
13	SPARE BREAKER	12					12	SPARE BREAKER	14
15	SPARE BREAKER	12					12	SPARE BREAKER	16
17	SPARE BREAKER	12					12	SPARE BREAKER	18

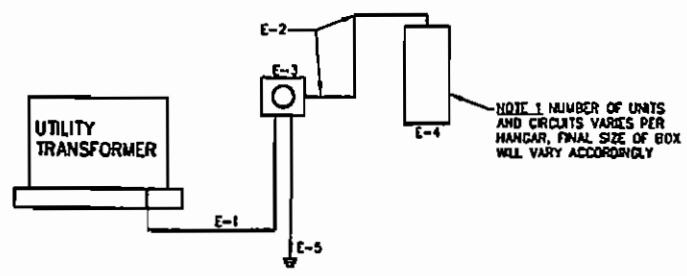
VOLTAGE 120/240      MAIN CB 125A MOUNTING SURFACE

**NOTES:**

- ALL WORK AND WIRE SIZES SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND MEET ALL APPLICABLE CODES AND MANUFACTURERS RECOMMENDATIONS.
- THE ELEVATION OF THE BOTTOM OF THE FLUORESCENT LIGHT FIXTURES SHALL BE BETWEEN 14'-0" AND 14'-6" ABOVE FINISHED FLOOR.
- ALL INTERIOR WIRING SHALL BE INSTALLED IN 1/2" DIAMETER EMT CONDUIT IN CONFORMANCE WITH THE TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUITS, RISERS, WIRING, FITTINGS, ETC. IN ACCORDANCE WITH THE NEC STANDARDS. ALL EXCAVATION AND BACKFILL RELATED TO INSTALLATION OF THE SERVICE SHALL BE PERFORMED BY THE CONTRACTOR.
- ALL SWITCHES SHALL BE INSTALLED NEAR THE PEDESTRIAN DOORS.
- THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED INSPECTIONS, APPROVALS, AND PERMITS PRIOR TO FINAL ACCEPTANCE BY OWNER.
- ALL RECEPTACLES SHALL BE LOCATED 24" ABOVE THE FINISHED FLOOR ELEVATION.
- ALL ELECTRICAL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM L-100.
- CONTRACTOR SHALL PROVIDE CONNECTION FOR THE ELECTRICAL SERVICE.
- INSULATION TYPE THHN/THWN ABOVE AND BELOW GROUND
- TEST AND BALANCE CURRENT PER PHASE
- VERIFY RESISTANCE TO GROUND AT LESS THAN 25 OHMS



**GROUND DETAIL**



**ELECTRICAL SERVICE RISER DIAGRAM**

SCALE: N.T.S.

AIRPORT DATA	
ITEMS	
AIRPORT ELEVATION (MSL)	15'
REFERENCE POINT (APP. RAT.)	30'36"±0"
REFERENCE POINT (APP. LONG.)	81°27'45"
MEAN SEASIDE TEMPERATURE	81°F
MAGNETIC VARIATION (1991)	7°31'18" (1979)
AIRPORT NAV AIDS	GPS NPA, R/W 13-31
AIRPORT REFERENCE CODE	0-3
CRITICAL AIRCRAFT	GULFSTREAM G-IV



Revisions			
No.	Date	By	Reason
1	8-7-07	WBR	REVISED

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Certificate of Authorization #3428

Engineering  
Architecture  
Surveying  
Planning

Drawn by **Bulk Hangar Electrical Plan and Notes**  
Project  
**North Area Hangar Development**  
**Fernandina Beach Municipal Airport**  
Fernandina Beach, Amelia Island, Florida  
City of Fernandina Beach  
1600 Airport Road, Fernandina Beach, FL 32034

99047.26  
Drawing No.  
**24**  
Owner  
June, 2007