PLOT DATE: THU, 6-18-2009 - 8:17 AM PLOT BY: SSTUART LOCATION H:\08-0077 LC MAINTENANCE STORAGE BLDG\CADD\DWG\ FILE NAME: (01) 08-4077 CS.DWG LAYOUT: LAYOUT 1

LEE COUNTY SOUTHWEST FLORIDA SOLID WASTE

MAINTENANCE AND STORAGE BUILDING FOR

LEE COUNTY WASTE TO ENERGY FACILITY

10500 BUCKINGHAM ROAD FORT MYERS, FLORIDA 33905

INDEX OF DRAWINGS:

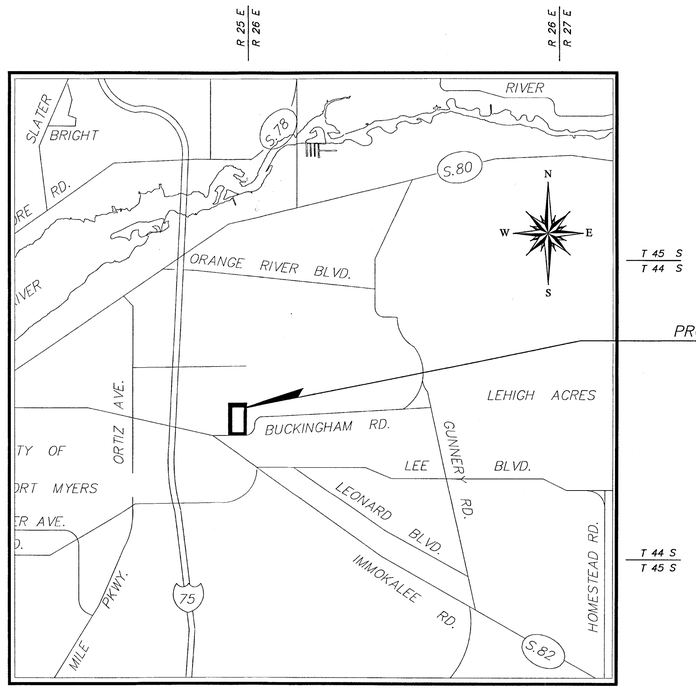
SHEET #	SHEET DESCRIPTION
1	COVER SHEET
2	2007 AERIAL
3	SITE & UTILITY PLAN
4	PAVING, GRADING & DRAINAGE
5	DETAILS
6	LIFT STATION
7	EROSION CONTROL
A-1	PROJECT DATA, NOTES & UL DETAILS
A-2	GROUND FLOOR PLAN, SECOND FLOOR PLAN, WINDOW & ROOM FINISH SCHEDULES
A-3	EXTERIOR ELEVATIONS & INTERIOR ELEVATIONS
A-4	BUILDING SECTIONS
A-5	BUILDING SECTIONS
A-6	WALL SECTIONS & NOTES
A-7	WALL SECTIONS & NOTES
A-8	WALL SECTIONS, NOTES & STAIR DETAILS
P-1	PLUMBING PLANS
P-2	PLUMBING SCHEDULES AND DETAILS
M-1	HVAC PLAN
M-2	HVAC SCHEDULES AND DETAILS
FP-1	FIRE PROTECTION PLAN
E-1	POWER AND SYSTEMS PLAN, LIGHTING PLAN
E-2	ELECTRICAL NOTES, SCHEDULES AND RISER DIAGRAM
E-3	DETAILS
S-1	STRUCTURAL NOTES
S-2	STRUCTURAL PLANS
S-3	STRUCTURAL SECTIONS

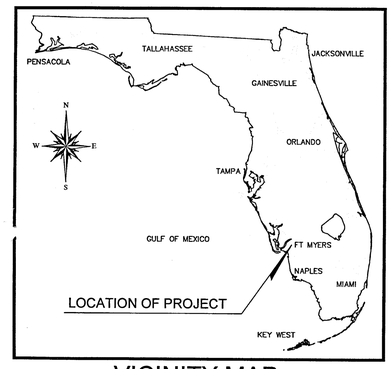
PREPARED FOR:

LEE COUNTY SOLID WASTE
DIRECTOR: LINDSEY SAMPSON, P.E.
PROJECT MANAGER: MIKE AVOGLIA
ADDRESS:
10500 BUCKINGHAM ROAD
FORT MYERS, FLORIDA 33905
PHONE (239) 338-3302
FAX (239) 461-5871
avoglims@leegov.com

COUNTY COMMISSIONERS:

BOB JANES	DISTRICT 1
BRIAN BIGELOW	DISTRICT 2
RAY JUDAH	DISTRICT 3
TAMMY HALL	DISTRICT 4
FRANK MANN	DISTRICT 5





VICINITY MAP
N.T.S.

MAY, 2009

NO.	REVISIONS	SHEETS	DATE	NO.	REVISIONS	SHEETS	DATE

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS: NONE

DEVELOPMENT ORDER APPROVED:
LEE COUNTY PUBLIC WORKS ADMINISTRATION

APPROVED BY: _____ DATE: _____
Jim Lavender
Public Works Director

PLANS PREPARED BY :

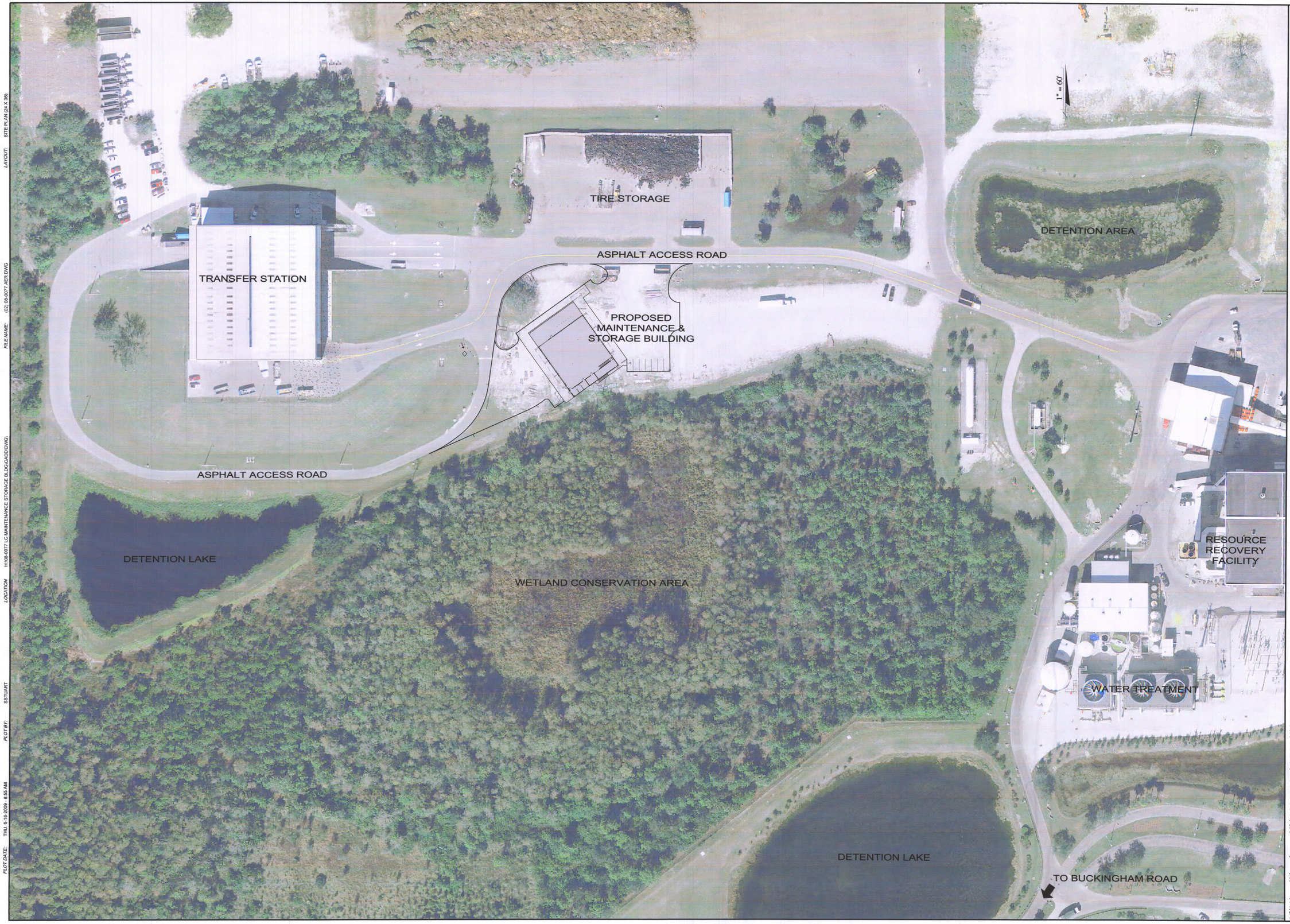
DAVID DOUGLAS ASSOCIATES, INC.
1821 Victoria Avenue Fort Myers, Florida 33901
Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business #7568

DDAI CONTACT: STEVE HURLEY, PROJECT MANAGER

D.O. PLANS
APPROVED BY: Daniel M. Craig, P.E.
DATE: 6-18-09
P.E. NO.: 38590
PROJECT ENGINEER

SHEET NO. 1

RECEIVED - D.E.P. JUN 18 2009 SOUTH DISTRICT



PLOT DATE: THU, 6-18-2009 - 8:55 AM
PLOT BY: SSTUART
LOCATION: H:\08-0077 LC MAINTENANCE STORAGE BLDG\CAD\DWG\
FILE NAME: (02) 08-0077 AER.DWG
LAYOUT: SITE PLAN (24 X 36)

DDAI

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1821 Victoria Avenue,
Fort Myers, Florida 33901
Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business # 7568

PROJECT DESCRIPTION

MAINTENANCE AND STORAGE BUILDING FOR LEE COUNTY WASTE TO ENERGY FACILITY

PROJECT LOCATION:

10500 Buckingham Road
Fort Myers, Florida 33905

OWNER / CLIENT:

Lee County
10500 Buckingham Road
Fort Myers, Florida 33905

PH: (239) 533-8000
FAX: (239) 461-5871

DDAI CONTACT:
Steve Hurley
PROJECT ENGINEER

NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL RAISED SEAL OF A FLORIDA PROFESSIONAL ENGINEER

Daniel M. Craig
FLA. REG. P.E. NO: 38590
6-18-09

NOT VALID WITHOUT EMBOSSED SEAL, SIGNATURE AND DATE.

REVISIONS

	DESCRIPTION

JOB# **08-0077**

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SECT: 24 TWP: 44-S RGE: 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR.	: STEVE HURLEY
PROJECT #	: 08-0077
FILE NAME	: (02) 08-0077 aer.dwg
ORIGIN DATE	: 04-14-09
DESIGNER	: STS
CAD TECH	: STS
CHECKED BY	: LSH
PLOT DATE	: 8/17/2006 6:20 PM
PLOTTED BY	: Scott Stuart

SHEET TITLE

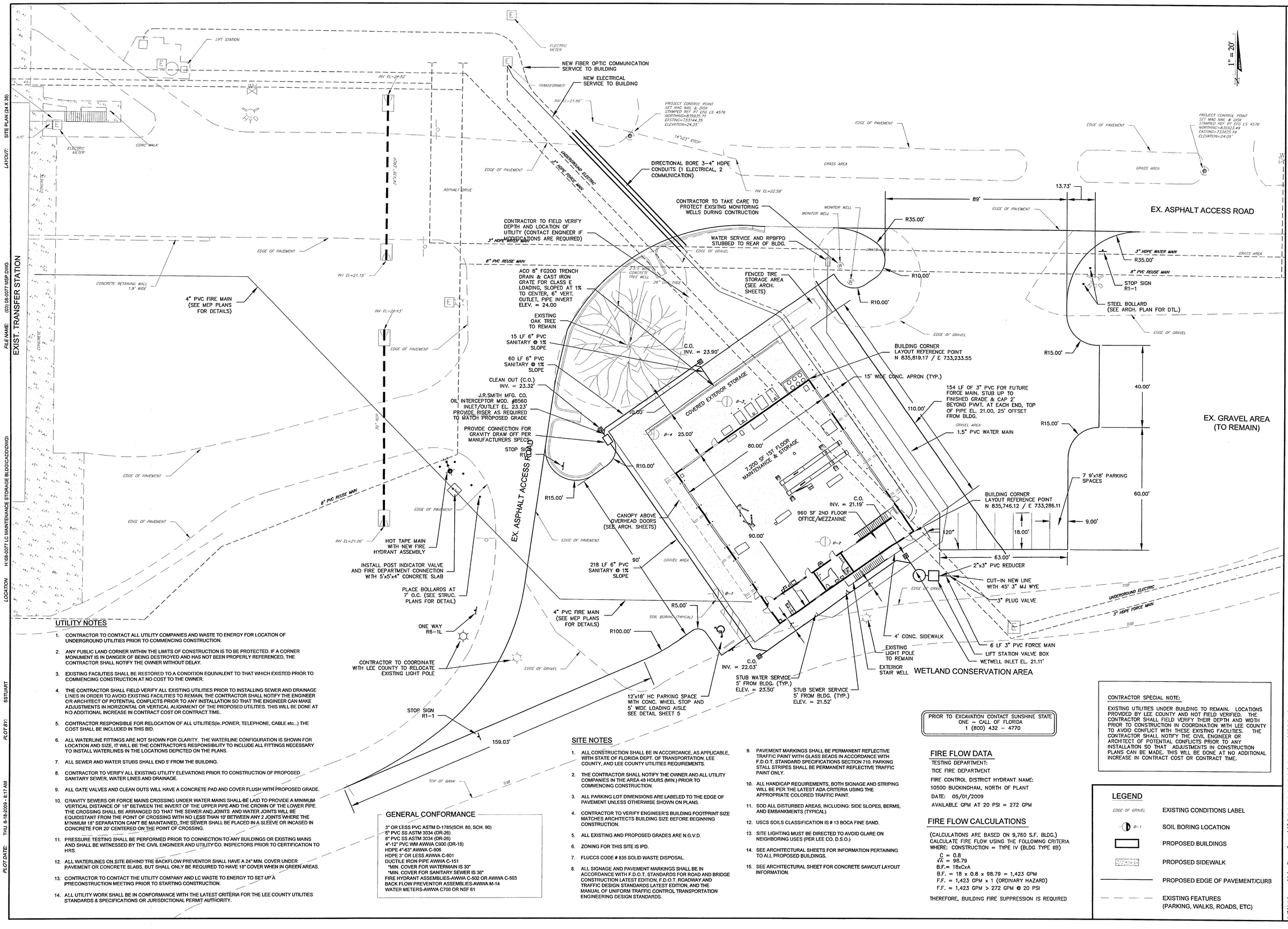
2007 AERIAL

SHEET NO. 2

RECEIVED D.E.
JUN 19 2009
SOUTH DISTRICT

PLAN STATUS

90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -



UTILITY NOTES

1. CONTRACTOR TO CONTACT ALL UTILITY COMPANIES AND WASTE TO ENERGY FOR LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
2. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE OWNER WITHOUT DELAY.
3. EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION AT NO COST TO THE OWNER.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO INSTALLING SEWER AND DRAINAGE LINES IN ORDER TO AVOID EXISTING FACILITIES TO REMAIN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO ANY INSTALLATION SO THAT THE ENGINEER CAN MAKE ADJUSTMENTS IN HORIZONTAL OR VERTICAL ALIGNMENT OF THE PROPOSED UTILITIES. THIS WILL BE DONE AT NO ADDITIONAL INCREASE IN CONTRACT COST OR CONTRACT TIME.
5. CONTRACTOR RESPONSIBLE FOR RELOCATION OF ALL UTILITIES(ie..POWER, TELEPHONE, CABLE etc...) THE COST SHALL BE INCLUDED IN THIS BID.
6. ALL WATERLINE FITTINGS ARE NOT SHOWN FOR CLARITY. THE WATERLINE CONFIGURATION IS SHOWN FOR LOCATION AND SIZE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL FITTINGS NECESSARY TO INSTALL WATERLINES IN THE LOCATIONS DEPICTED ON THE PLANS.
7. ALL SEWER AND WATER STUBS SHALL END 5' FROM THE BUILDING.
8. CONTRACTOR TO VERIFY ALL EXISTING UTILITY ELEVATIONS PRIOR TO CONSTRUCTION OF PROPOSED SANITARY SEWER, WATER LINES AND DRAINAGE.
9. ALL GATE VALVES AND CLEAN OUTS WILL HAVE A CONCRETE PAD AND COVER FLUSH WITH PROPOSED GRADE.
10. GRAVITY SEWERS OR FORCE MAINS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER AND JOINTS AND WATER JOINTS WILL BE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 10' BETWEEN ANY 2 JOINTS WHERE THE MINIMUM 18" SEPARATION CAN'T BE MAINTAINED, THE SEWER SHALL BE PLACED IN A SLEEVE OR INCASED IN CONCRETE FOR 20' CENTERED ON THE POINT OF CROSSING.
11. PRESSURE TESTING SHALL BE PERFORMED PRIOR TO CONNECTION TO ANY BUILDINGS OR EXISTING MAINS AND SHALL BE WITNESSED BY THE CIVIL ENGINEER AND UTILITY CO. INSPECTORS PRIOR TO CERTIFICATION TO HRS.
12. ALL WATERLINES ON SITE BEHIND THE BACKFLOW PREVENTOR SHALL HAVE A 24" MIN. COVER UNDER PAVEMENT OR CONCRETE SLABS, BUT SHALL ONLY BE REQUIRED TO HAVE 18" COVER WHEN IN GREEN AREAS.
13. CONTRACTOR TO CONTACT THE UTILITY COMPANY AND LC WASTE TO ENERGY TO SET UP A PRECONSTRUCTION MEETING PRIOR TO STARTING CONSTRUCTION.
14. ALL UTILITY WORK SHALL BE IN CONFORMANCE WITH THE LATEST CRITERIA FOR THE LEE COUNTY UTILITIES STANDARDS & SPECIFICATIONS OR JURISDICTIONAL PERMIT AUTHORITY.

GENERAL CONFORMANCE

3" OR LESS PVC ASTM D-1785(SCH. 80, SCH. 90)
6" PVC SS ASTM 3034 (DR-26)
8" PVC SS ASTM 3034 (DR-26)
4"-12" PVC WM AWWA C900 (DR-18)
HDPE 4"-63" AWWA C-906
HDPE 3" OR LESS AWWA C-901
DUCTILE IRON PIPE AWWA C-151
*MIN. COVER FOR WATERMAIN IS 30"
*MIN. COVER FOR SANITARY SEWER IS 36"
FIRE HYDRANT ASSEMBLIES-AWWA C-502 OR AWWA C-503
BACK FLOW PREVENTOR ASSEMBLIES-AWWA M-14
WATER METERS-AWWA C700 OR NSF 61

SITE NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE, AS APPLICABLE, WITH STATE OF FLORIDA DEPT. OF TRANSPORTATION, LEE COUNTY, AND LEE COUNTY UTILITIES REQUIREMENTS.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ALL UTILITY COMPANIES IN THE AREA 48 HOURS (MIN.) PRIOR TO COMMENCING CONSTRUCTION.
3. ALL PARKING LOT DIMENSIONS ARE LABELED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON PLANS.
4. CONTRACTOR TO VERIFY ENGINEER'S BUILDING FOOTPRINT SIZE MATCHES ARCHITECTS BUILDING SIZE BEFORE BEGINNING CONSTRUCTION.
5. ALL EXISTING AND PROPOSED GRADES ARE N.G.V.D.
6. ZONING FOR THIS SITE IS IPD.
7. FLUCCS CODE # 835 SOLID WASTE DISPOSAL.
8. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS LATEST EDITION, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL TRANSPORTATION ENGINEERING DESIGN STANDARDS.
9. PAVEMENT MARKINGS SHALL BE PERMANENT REFLECTIVE TRAFFIC PAINT WITH GLASS BEADS IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS SECTION 710. PARKING STALL STRIPES SHALL BE PERMANENT REFLECTIVE TRAFFIC PAINT ONLY.
10. ALL HANDICAP REQUIREMENTS, BOTH SIGNAGE AND STRIPING WILL BE PER THE LATEST ADA CRITERIA USING THE APPROPRIATE COLORED TRAFFIC PAINT.
11. SOD ALL DISTURBED AREAS, INCLUDING: SIDE SLOPES, BERMS, AND EMBANKMENTS (TYPICAL).
12. USCS SOILS CLASSIFICATION IS # 13 BOCA FINE SAND.
13. SITE LIGHTING MUST BE DIRECTED TO AVOID GLARE ON NEIGHBORING USES (PER LEE CO. D.S.O.)
14. SEE ARCHITECTURAL SHEETS FOR INFORMATION PERTAINING TO ALL PROPOSED BUILDINGS.
15. SEE ARCHITECTURAL SHEET FOR CONCRETE SAWCUT LAYOUT INFORMATION.

PRIOR TO EXCAVATION CONTACT SUNSHINE STATE ONE – CALL OF FLORIDA 1 (800) 432 – 4770

FIRE FLOW DATA

TESTING DEPARTMENT:
TICE FIRE DEPARTMENT
FIRE CONTROL DISTRICT HYDRANT NAME:
10500 BUCKINGHAM, NORTH OF PLANT
DATE: 05/01/2009
AVAILABLE GPM AT 20 PSI = 272 GPM

FIRE FLOW CALCULATIONS

(CALCULATIONS ARE BASED ON 9,760 S.F. BLDG.)
CALCULATE FIRE FLOW USING THE FOLLOWING CRITERIA
WHERE: CONSTRUCTION = TYPE IV (BLDG TYPE IIB)

C = 0.8
√A = 98.79
B.F.= 18xCxA
B.F. = 18 x 0.8 x 98.79 = 1,423 GPM
F.F. = 1,423 GPM x 1 (ORDINARY HAZARD)
F.F. = 1,423 GPM > 272 GPM ∴ 20 PSI

THEREFORE, BUILDING FIRE SUPPRESSION IS REQUIRED

CONTRACTOR SPECIAL NOTE:

EXISTING UTILITIES UNDER BUILDING TO REMAIN. LOCATIONS PROVIDED BY LEE COUNTY AND NOT FIELD VERIFIED. THE CONTRACTOR SHALL FIELD VERIFY THEIR DEPTH AND WIDTH PRIOR TO CONSTRUCTION IN COORDINATION WITH LEE COUNTY TO AVOID CONFLICT WITH THESE EXISTING FACILITIES. THE CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER OR ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO ANY INSTALLATION SO THAT ADJUSTMENTS IN CONSTRUCTION PLANS CAN BE MADE. THIS WILL BE DONE AT NO ADDITIONAL INCREASE IN CONTRACT COST OR CONTRACT TIME.

LEGEND

EDGE OF GRAVEL	EXISTING CONDITIONS LABEL
B-1	SOIL BORING LOCATION
	PROPOSED BUILDINGS
	PROPOSED SIDEWALK
	PROPOSED EDGE OF PAVEMENT/CURB
	EXISTING FEATURES (PARKING, WALKS, ROADS, ETC)

DDAI
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Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business # 7568

PROJECT DESCRIPTION

MAINTENANCE AND STORAGE BUILDING FOR LEE COUNTY WASTE TO ENERGY FACILITY

PROJECT LOCATION:

10500 Buckingham Road
Fort Myers, Florida 33905

OWNER / CLIENT:

Lee County
10500 Buckingham Road
Fort Myers, Florida 33905
PH: (239) 533-8000
FAX: (239) 461-5871

DDAI CONTACT:
Steve Hurley
PROJECT ENGINEER

NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL RAISED SEAL OF A FLORIDA PROFESSIONAL ENGINEER

Daniel M. Craig
FLA. REG. P.E. NO: 38590 6-18-09
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LEGAL DISCLAIMER

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REVISIONS

	DESCRIPTION

JOB# 08-0077

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SECT. 24 TWP. 44-S RGE. 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR	STEVE HURLEY
PROJECT #	08-0077
FILE NAME	(03) 08-0077 msp.dwg
ORIGIN DATE	04-14-09
DESIGNER	STS
CAD TECH	STS
CHECKED BY	LSH
PLOT DATE	8/17/2006 6:20 PM
PLOTTED BY	Scott Stuart

SHEET TITLE

SITE & UTILITY PLAN

SHEET NO. 3

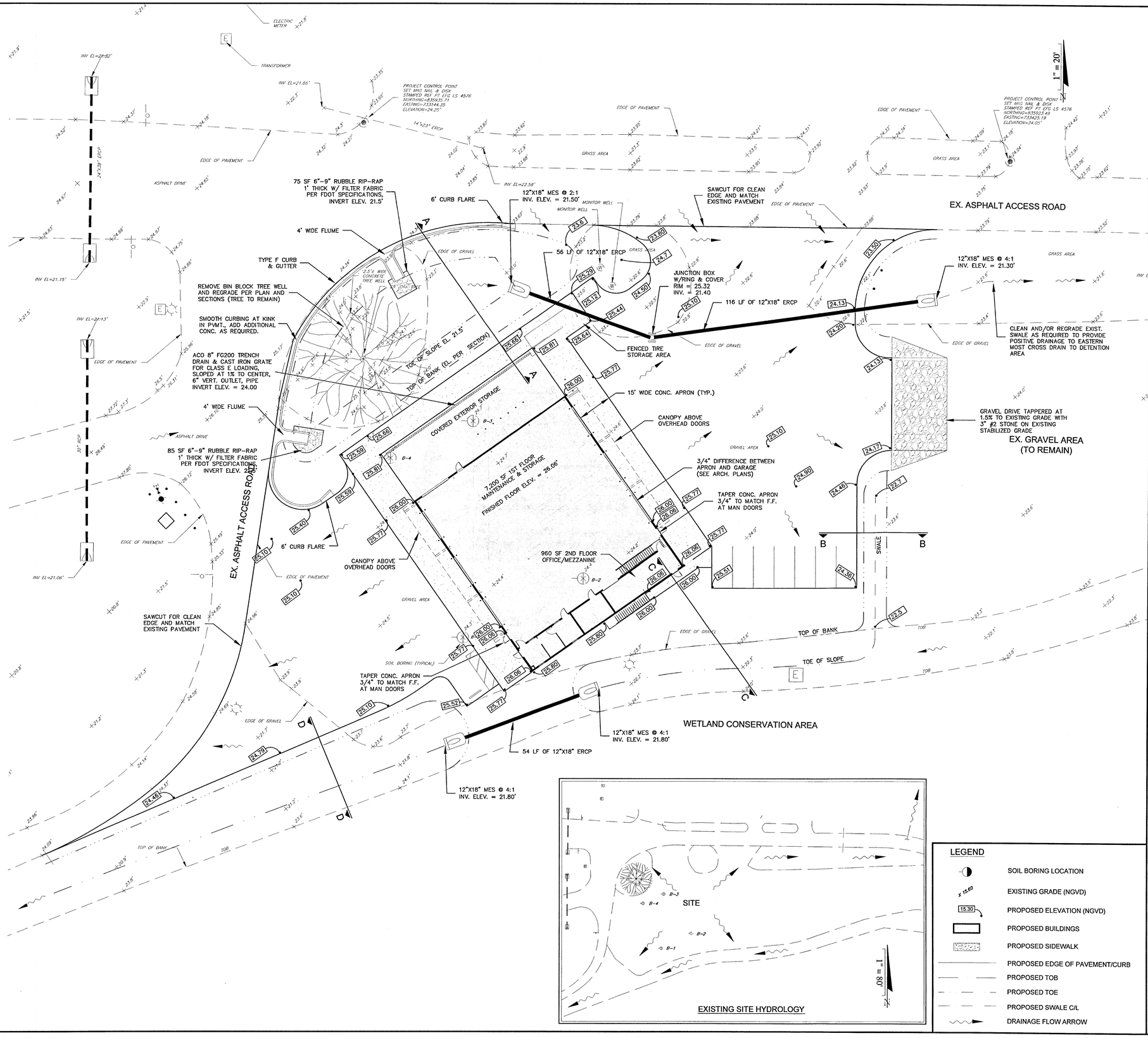
RECEIVED - D.E.I. JUN 18 2009 SOUTH DISTRICT

PLAN STATUS
90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -

PLOT DATE: THU 6-18-2009 - 8:17 AM
PLOT BY: SSTUART
FILE NAME: (03) 08-0077 MSP.DWG
LAYOUT: SITE PLAN (24 X 36)
LOCATION: H:\08-0077 LC MAINTENANCE STORAGE BLDG\CADD\DWG\

DRAINAGE NOTES:

1. ALL EXISTING AND PROPOSED GRADES ARE NGVD.
2. PROPERTY IS LOCATED IN FIRM ZONE (X) BASED UPON F.E.M.A. FLOOD INSURANCE RATE MAP NUMBER 125124 0295 DATE 08.28.08
3. THE ENGINEER HAS ANALYZED THAT NO NEGATIVE IMPACTS TO GROUNDWATER OR SURFACE WATER ARE ANTICIPATED.
4. ALL DISTURBED AREAS ARE TO BE SODDED UNLESS OTHERWISE NOTED.
5. FINISH GRADE TO WITHIN 2" OF PAVEMENT ELEVATIONS BEFORE LAYING OF SOD & MULCH BEDS (STRICTLY ENFORCED)
6. SURVEYING COMPLETED BY E.F. GAINES SURVEYING SERVICES, INC.
7. ALL DRAINAGE ACCESSES TO INCLUDE FDOT TYPE I RING AND COVER LABELED "STORM".
8. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN AND CONTAIN THE SURFACE RUNOFF IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION STUDY (NPDES) FEDERAL REQUIREMENTS.
9. THE CONTRACTOR SHALL BE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE FEDERAL GOVERNMENT AND HAVE EROSION CONTROL PLAN IMPLEMENTED AT ALL TIMES DURING CONSTRUCTION.
10. SEE SURVEY FOR ADDITIONAL EXISTING GRADES OUTSIDE OF SITE BOUNDARY.
11. ALL MITERED END SECTIONS SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. INDEX NUMBER 272.
12. ALL INLETS SHALL HAVE PIPES CUT FLUSH WITH INSIDE FACE OF INLET BOXES IN ALL CASES.
13. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO INSTALLING SEWER AND DRAINAGE LINES. IN ORDER TO AVOID EXISTING UTILITIES TO REMAIN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ARCHITECT OF POTENTIAL CONFLICT PRIOR TO ANY INSTALLATION SO THAT THE ENGINEER CAN MAKE ADJUSTMENTS IN HORIZONTAL OR VERTICAL ALIGNMENT OF THE PROPOSED UTILITIES. THIS WILL BE DONE AT NO ADDITIONAL INCREASE IN CONTRACT COST OR CONTRACT TIME.



LEGEND

- SOIL BORING LOCATION
- x 15.60 — EXISTING GRADE (NGVD)
- 15.30 — PROPOSED ELEVATION (NGVD)
- PROPOSED BUILDINGS
- PROPOSED SIDEWALK
- PROPOSED EDGE OF PAVEMENT/CURB
- PROPOSED TOB
- PROPOSED TOE
- PROPOSED SWALE C/L
- DRAINAGE FLOW ARROW

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DDAI CONTACT:
Steve Hurley
PROJECT ENGINEER

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PROFESSIONAL ENGINEER

Daniel M. Craig
FLA. REG. P.E. NO: 38590 6-18-09
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REVISIONS

	DESCRIPTION

JOB# 08-0077

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SECT: 24 TWP: 44-S RGE: 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR	: STEVE HURLEY
PROJECT #	: 08-0077
FILE NAME	: (04) 08-0077 pgd.dwg
ORIGIN DATE	: 04-14-09
DESIGNER	: STS
CAD TECH	: STS
CHECKED BY	: LSH
PLOT DATE	: 8/17/2006 6:20 PM
PLOTTED BY	: Scott Stuart

SHEET TITLE

PAVING GRADING & DRAINAGE

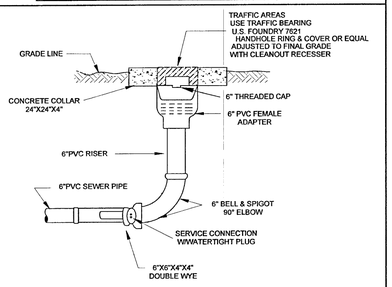
SHEET NO. 4

REVISED: D.E.P. JUN 13 2009 SOUTH DISTRICT

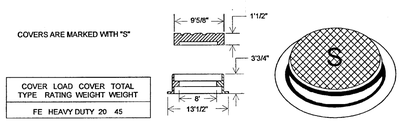
PLAN STATUS
90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -

PLOT DATE: THU, 6-18-2009 - 8:44 AM PLOT BY: SSTUART LOCATION H:\08-0077 LC MAINTENANCE STORAGE BLDG\CAD\DWG\ FILE NAME= (04) 08-0077 PGD.DWG LAYOUT= PGD (24X36)

STANDARD DETAIL NO. 9.40
LEE COUNTY UTILITIES
6" SEWER CLEAN-OUT DETAIL



USF 7621 REVERSIBLE HANDHOLE RING AND COVER

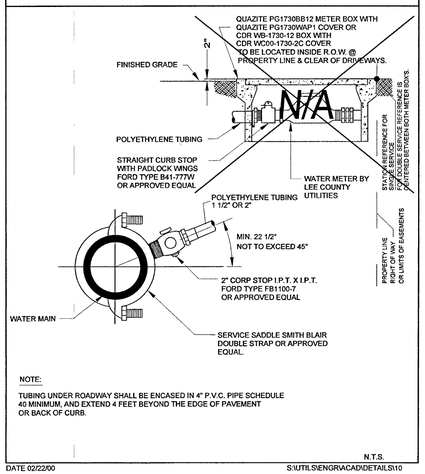


COVER LOAD COVER TOTAL
TYPE RATING WEIGHT
FE HEAVY DUTY 20 45

NTS

DATE: 02/22/00 S:\UTILS\ENGR\CAD\DETAILS\40

STANDARD DETAIL NO. 9.10
LEE COUNTY UTILITIES
WATER SERVICE INSTALLATION
1 1/2" THROUGH 2"



NOTE:
TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM, AND EXTEND 4 FEET BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.

N.T.S.

DATE 02/22/00 S:\UTILS\ENGR\CAD\DETAILS\10

ACO DRAIN Dec 07

Slotted Iron

FG200 Ductile iron

Product Features

- Certified to DIN 19580 Load Class E - 135,000 lbs - 2,323 psi
- Supplied with two W- 13 x 1¾" lens head bolts to lock down grate
- Suitable for use with FG200
- Manufactured from ductile iron to ASTM A 536-84 - Grade 64-45-12
- E-coated for improved resistance against rust

Specifications

General
The surface drainage system shall be ACO Drain FG200 channels complete with ACO FG200 ductile iron slotted grate with bolt locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials
The covers shall be manufactured from ductile iron and have minimum properties as follows:

- *Independently certified to meet Load Class E to DIN 19580 - 135,000 lbs - 2,323 psi*
- Ductile iron to ASTM A 536-84 - Grade 65-45-12
- Tensile area of 58.7 sq. in. (378.7 cm²) per 18" grate

The overall width of 10.00" (254 mm) and overall length of 18.00" (457mm). Slots measure 7.87" (200mm) by 0.61" (15mm).

Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

ACO

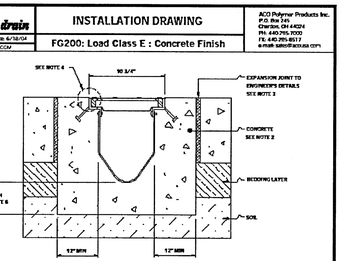
ACO Specification Information

www.acousa.com

ACO drain — INSTALLATION DRAWING

ACO Polymer Products Inc.
P.O. Box 141
Charlton, OH 44024
PH: 440-795-9700
FX: 440-795-9017
e-mail: sales@acousa.com

FG200: Load Class E : Concrete Finish



NOTES:
1. It is necessary to ensure the minimum dimensions shown are suitable for the existing ground conditions. Engineering advice may be sought.
2. A minimum concrete strength of 3000 PSI is recommended. The concrete should be vibrated to eliminate air pockets.
3. Expansion and control joints are recommended to protect the channel and the concrete surround. Engineering advice may be sought.
4. The finished level of the concrete surround must be approx. 1/8" above the top of the channel edge.
5. Refer to ACO's latest installation instructions for complete details.
6. Concrete base thickness should match site thickness.

ACO drain — SPECIFICATION CLAUSE

ACO Polymer Products Inc.
P.O. Box 141
Charlton, OH 44024
PH: 440-795-9700
FX: 440-795-9017
e-mail: sales@acousa.com

FG200 Trench Drain System

The surface drainage system shall be Fiberglass FG200 channel system with steel frame as manufactured by ACO Polymer Products, Inc., Charlton, Oh.

Channels will be manufactured from polyester resin fiberglass with either painted steel or galvanized steel frame. Frame shall be made of angle steel with welded steel concrete anchors and installation brackets. Frame shall have welded cross members threaded for grate fastener.

The system shall be 8 inches (200mm) nominal metric width with a 10.75 in. (273mm) overall width and a bott. in slope of 1.04 %. All channels shall be interlocking with a male/female lap joint.

The complete drainage system shall be by ACO Polymer Products Inc. Any deletion or partial system design and/or improper installation will void any and all warranties provided by ACO Polymer Products, Inc.

Channel shall withstand loading to Load Class ___ *(DIN 19 580)*. Grate type shall be appropriate to meet the system load class specified and intended application. Grates shall be secured to frame utilizing two bolts. Channel and grate shall be independently certified to meet the specified DIN 19580 load class.

The fiberglass shall have a compressive strength of 36,000 psi, tensile strength of 15,400 psi, flexural strength of 24,000 psi and the water absorption rate of nil. The fiberglass shall be resistant to prolonged salt exposure, repetitive frost cycles and chemically resistant to dilute acids and alkalis.

The system shall be installed in accordance with the manufacturer's instructions and recommendations.

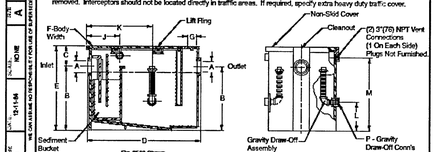
**Fabricated material*

SMITH® JAY R. SMITH MFG. CO.®
DIVISION OF SMITH INDUSTRIES, INC.
4501 ARROW HIGHWAY
MONTCLAIR, CALIFORNIA 91763-1900
TEL. (909) 624-2681 FAX (909) 625-1316 www.jrsmith.com

LOCATION

OIL INTERCEPTORS
LARGE CAPACITY - STEEL OIL INTERCEPTORS

FUNCTION: Large capacity oil interceptors are used in large garages, service areas and industrial plants where waste laden with oil and sediment must be intercepted. The intercepted oils are drawn off by gravity to a storage tank or container. Any sediment which is included in the discharge is collected in a large sediment bucket and periodically removed. Interceptors should not be located directly in traffic areas. If required, specify extra heavy duty traffic cover.



NOTE: Interceptor shall be vented or outlet side per local code requirements.
NOTE: It is the responsibility of the installer to check all parts (fittings, gaskets, etc.) to verify they are in their proper operating order and location.

Dimensions																
	FLOW RATE GPM	FLOW RATE GPM	Inlet/Outlet Size	Approx. Operating Capacity Gals.	A*	B	C	D	Body Height	Body Width	E	F	K	L	M	P	Drain Off
	8560	75	4"(100)	21 (80Gal)	15 5/8"(396)	54 3/4" (1391)	3"(76)	4"(102)	36 1/2"(927)	8"(203)	2"(51)	4"	28 1/4"(718)	13"(330)	32 3/4"(832)	3"(76)
	8560	150	6"(150)	37"(140)	15 5/8"(397)	54 3/4" (1391)	3"(76)	4"(102)	36 1/2"(927)	8"(203)	2"(51)	4"	28 1/4"(718)	13"(330)	32 3/4"(832)	3"(76)
	8572	150	6"(150)	39 (148)	17 5/8"(447)	62 3/4"(1422)	3"(76)	4"(102)	42 1/2"(1079)	8"(203)	2"(51)	4"	34 1/4"(870)	13"(330)	45 1/4"(1149)	3"(76)
	8572	300	8"(200)	37"(140)	17 5/8"(447)	62 3/4"(1422)	3"(76)	4"(102)	42 1/2"(1079)	8"(203)	2"(51)	4"	34 1/4"(870)	13"(330)	45 1/4"(1149)	3"(76)
	8596	300	8"(200)	87 (329)	17 5/8"(447)	62 3/4"(1422)	3"(76)	4"(102)	42 1/2"(1079)	8"(203)	2"(51)	4"	34 1/4"(870)	13"(330)	45 1/4"(1149)	3"(76)
	8596	600	10"(250)	87 (329)	17 5/8"(447)	62 3/4"(1422)	3"(76)	4"(102)	42 1/2"(1079)	8"(203)	2"(51)	4"	34 1/4"(870)	13"(330)	45 1/4"(1149)	3"(76)
	8596	900	12"(300)	87 (329)	17 5/8"(447)	62 3/4"(1422)	3"(76)	4"(102)	42 1/2"(1079)	8"(203)	2"(51)	4"	34 1/4"(870)	13"(330)	45 1/4"(1149)	3"(76)

**Available with larger inlet and outlet when specified.*

REGULARLY FURNISHED:
Steel interceptor with Grey Duco Coating Inside and Outside and Flow Control Fitting.

VARIATIONS:
- Anchor Flange -F
- Flange and Flashing Clamp -F-C
- Integral Extension -E (Specify Height e.g. -E12 for 12" (305) Ext.)
- NO-HUB Adaptor (4) Req'd (Specify Fig. 2545Y)
- Traffic Rated Cover-H20

OPTIONAL MATERIALS:
- Acid Resistant Coating Inside - ARI
- Acid Resistant Coating Outside - ARO
- Acid Resistant Coating Inside and Outside - ARIO
- Aluminum Cover -AC

NOTE: Dimensions shown in parenthesis are in millimeters.

DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES AND CHANGES WITHOUT NOTICE

DRAWING NO. 8560 — WEIGHT POUNDS — VOLUME CUBIC FEET — FIGURE NUMBER 8560

REV	DATE	DESCRIPTION	BY	CKD BY
K	6-5-08	Revised Drawing & Note	PJ	CL
J	3-3-05	Revised Variations	PJ	CL
H	12-11-03	Added 'e' Column to Table	AS	CL
G	5-15-96	Submittal Update	AS	BS

DAVID DOUGLAS ASSOCIATES, INC.
1821 Victoria Avenue,
Fort Myers, Florida 33901
Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business # 7568

PROJECT DESCRIPTION

MAINTENANCE AND STORAGE BUILDING FOR LEE COUNTY WASTE TO ENERGY FACILITY

PROJECT LOCATION:

10500 Buckingham Road
Fort Myers, Florida 33905

OWNER / CLIENT:

Lee County
10500 Buckingham Road
Fort Myers, Florida 33905

PH: (239) 533-8000
FAX: (239) 461-5871

DDAI CONTACT:
Steve Hurley
PROJECT ENGINEER

NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED PROFESSIONAL ENGINEER.
Daniel M. Craig
FLA. REG. P.E. NO: 38590
NOT VALID WITHOUT EMBOSSED SEAL, SIGNATURE AND DATE.

REVISIONS

DESCRIPTION

JOB# 08-0077

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SECT: 24 TWP: 44-S RGE: 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR.	: STEVE HURLEY
PROJECT #	: 08-0077
FILE NAME	: (05) 08-0077 dtls.dwg
ORIGIN DATE	: 04-14-09
DESIGNER	: STS
CAD TECH	: STS
CHECKED BY	: LSH
PLOT DATE	: 8/17/2006 6:20 PM
PLOTTED BY	: Scott Stuart

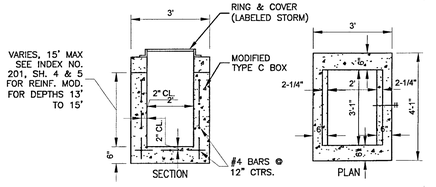
SHEET TITLE

DETAILS

RECEIVED JUN 18 2009 SOUTH DISTRICT D.E.P.

SHEET NO. 5

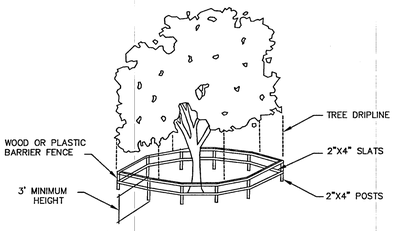
PLAN STATUS
90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -



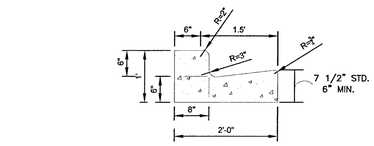
MAXIMUM PIPE SIZE RECOMMENDED FOR EACH OF THE WALL SIZES:
2'-0" WALL – 18" PIPE
3'-1" WALL – 24" PIPE

NOTES:
1. 6" WALL THICKNESS MUST BE USED FOR PRE-CAST INLETS IN ACCORDANCE WITH F.D.O.T. INDEX 201.
2. CONCRETE TO BE F.D.O.T. CLASS I OR EQUAL. (2,500 PSI MINIMUM STRENGTH)
3. CONSTRUCTION TO BE IN ACCORDANCE WITH F.D.O.T. SPECIFICATION SECTION 425.

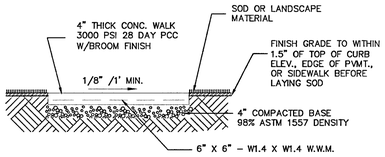
JUNCTION BOX DETAIL
N.T.S.



TREE PROTECTION BARRIER
NTS

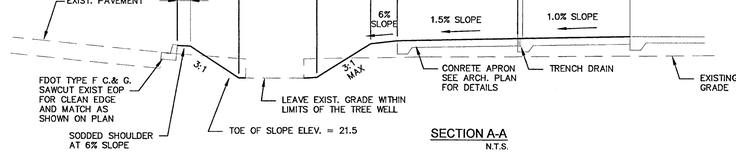


TYPE "F" CURB & GUTTER
N.T.S.

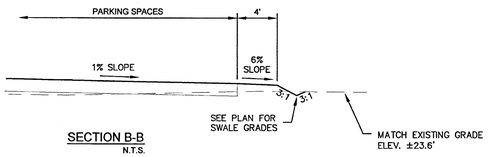


TYPICAL SIDEWALK
N.T.S.

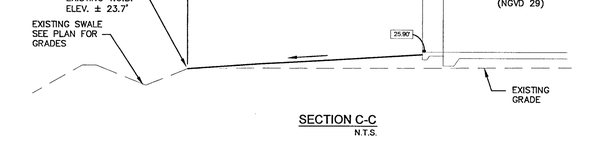
SEE ARCH. PLAN FOR SAW CUT LAYOUT



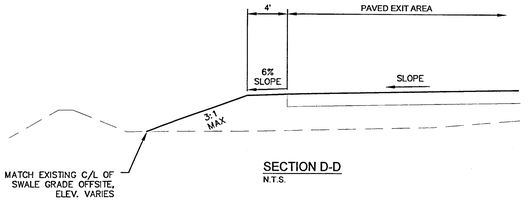
SECTION A-A
N.T.S.



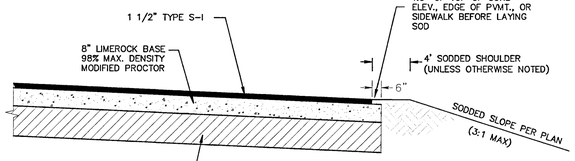
SECTION B-B
N.T.S.



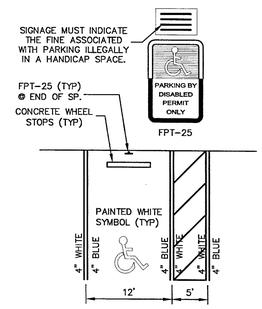
SECTION C-C
N.T.S.



SECTION D-D
N.T.S.



ASPHALTIC PAVEMENT SECTION
NTS



TYPICAL STRIPING DETAIL
NTS

NOTE: DETAIL IS ONLY FOR THE SERVICE CONNECTION. NO METER REQUIRED.

PLOT DATE: THU, 6-18-2009 - 8:41 AM PLOT BY: SSTUART LOCATION H:\08-0077 LC MAINTENANCE STORAGE BLDG\CADD\DWG\ FILE NAME: (05) 08-0077 DTLS.DWG LAYOUT: UTILITY SITE PLAN (24 X 36)

ITT FLYGT, LLC (H-20 GP)

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS

SCOPE: Supply one complete H-20 GP Pre-Fab Lift Station, per design.

Pumps shall be capable of grinding and pumping domestic & commercial sewage.

Complete system shall be supplied by:

ITT FLYGT, LLC

OR EQUAL

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes A Written 20 Yr. Warranty

Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.

After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible.

PUMPS: The submersible pumps shall be manufactured by ITT Flygt Corporation. The pumps shall be installed in the H-20 GP FRP wetwell utilizing a dual slide rail system. Each grinder pump shall contain special cutters to reduce sewage to a fine slurry. The stationary cutter shall consist of hardened 316 "L" stainless steel and the rotary cutter shall consist of chrome alloy cast iron.

Major pump components shall be grey cast iron, ASTM A-48, Class 35B. The pump motor shall be NEMA B design and housed in an air-filled watertight chamber. The stator windings shall be insulated with moisture resistant Class H insulation by use of the trickle impregnation method. The motor shall be heat-shrink fit into the stator housing. The use of bolts, pins, or other fastening devices is not acceptable. Thermal switches set to open at 125 degrees C shall be embedded in the stator end coils to monitor the temperature of each phase winding. The motor horsepower shall be adequate so that the pump is non-overloading throughout the entire pump performance curve from shut-off through run-out.

The pump shall be provided with a dual mechanical seal. The lower seal shall consist of a stationary tungsten-carbide ring and a rotating ceramic ring. The upper seal shall consist of a stationary ceramic ring and a rotating carbon ring.

DUPLEX CONTROL PANEL:

Control panel shall be assembled and built by a TUV (UL508A CERTIFIED) manufacturing facility.

The Enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep fiberglass with padlockable draw latches.

The enclosure shall have external mounting feet to allow for wall mounting.

The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light)
1- ea. Alarm Horn
1- ea. Generator Receptacle w/ weatherproof cover
1- ea. Alarm Silence Pushbutton

The backpanel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to backpanel:
2- ea. Motor Contactors
1- ea. Volt Monitor (Single Phase) Phase Monitor (Three Phase)
1- ea. Control Transformer (480 Volt Only)
1- ea. Silence Relay
1- ea. Duplex Alternator
1- ea. Model BOAC5AH Battery Back-Up w/ Smart Charger
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
3- ea. Grounding Lugs

The innerdoor shall be fabricated from .080, 5052-H32 marine alloy aluminum. The innerdoor shall have a continuous aluminum piano hinge.

The following components shall be mounted through the innerdoor:
1- ea. Main Circuit Breaker
1- ea. Emergency Circuit Breaker
1- ea. Mechanical Interlock For Emergency And Main Breakers
2- ea. Short Circuit Protectors
1- ea. Control Circuit Breaker
1- ea. Hand-Off-Auto Selector Switches
2- ea. Pump Run Pilot Lights
1- ea. Power On Pilot Light
2- ea. Elapse Time Meters (Non-Resetable)
1- ea. GFI Duplex Convenience Outlet

COMPONENT SPECIFICATIONS:
All circuit breakers shall be molded thermal magnetic.
The mechanical interlock shall prevent the normal and emergency main breakers being energized at the same time.
An emergency generator receptacle shall be supplied in accordance with DEP standards. The generator receptacle shall be adequately sized to meet the equipment operating conditions.

NEUTRAL TO BE SUPPLIED FOR BOTH 230V 3PHASE OR 230V SINGLE PHASE POWER

All motor short circuit protection devices must provide for undervoltage release and class 10 overload protection on all three phases. Visable trip indication, test, and reset capability must be provided without opening inner door.
Open frame, across the line, contactors shall be rated per IEC standards and properly sized per the motor requirements.
Contactors shall provide for safe touch power and control terminals.
Lightning Arrestor shall meet or exceed the requirements of ANSI/IEEE Std. C62.21-1984 section 8.6.1. and 8.7.3 shall be supplied by electrician and mounted on the bottom side of the switch disconnect ahead of the pump control panel.
A voltage monitor shall be supplied for single phase service.
A phase monitor shall be supplied for (3) phase service.
A green pilot light shall be supplied for each motor. The pilot light shall illuminate each time the motor is called to run.
Each pump shall have an Elapse Time Meter to record the accumulated run time. The ETM shall be 2" diameter, non-resettable, six digit, totally encapsulated unit.
A Red pilot light shall be supplied for control power. The pilot light shall illuminate when the control power is available inside the control panel.
Relays shall be ice-cube plug in type. Relay contacts shall be rated 10 amp minimum, DPDT.
Twenty (20) terminals shall be supplied for field connections. The terminals shall be rated 25 amps minimum.
Each motors over-temperature contact shall be connected to the terminal strip and shall open a contact to de-energize the appropriate motor upon a high temperature within the motor.
A 15 Amp GFI duplex receptacle shall be supplied and mounted on the innerdoor.
Ground lugs shall be supplied and appropriately sized for each motor and for service entrance.
Nameplates for the innerdoor and back panel shall be of a graphic design, specifically depicting the intent for each device.

MISCELLANEOUS: All wiring on the backpanel shall be containted within the wiring duct. All wiring between the innerdoor and the backpanel shall be contained with in a plastic spiral wrap.
Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting.
The control panel shall be assembled by a TUV (UL508A Certified) manufacturing facility.

PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	66.6 GPM	TOP OF WETWELL	26.00'
PRIMARY TDH	91.6'TDH	INLET INVERT	21.06'
PUMP MANUFACTURER	FLYGT	HIGH LEVEL ALARM (HLA)	19.35'
PUMP MODEL #	MP 3102 HT	2nd PUMP ON (LAG)	18.35'
R.P.M.	3490	1st PUMP ON (LEAD)	17.85'
HORSEPOWER	5.4	PUMPS OFF (OFF)	16.00'
ELECTRICAL/ VOLTS / PHASE	60/230/1	BOTTOM OF WETWELL	14.00'
PUMP DISCHARGE SIZE	2"	WETWELL DIAMETER	4'
IMPELLER CODE	267		

*** ELECTRICIAN NOTES:**

1. DRAWING NOT TO SCALE
* 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES
* 3. ELECTRICIAN SHALL SEAL OFF CONDUIT RUNS
* 4. ELECTRICIAN TO MOUNT LIGHTNING ARRESTOR AT SWITCH DISCONNECT
* 5. CONTRACTOR SHALL VERIFY POWER SOURCE PRIOR TO ORDERING EQUIPMENT
* 6. NEUTRAL TO BE SUPPLIED FOR 23OV-3 PHASE OR 230V-SINGLE PHASE POWER.

ITT FLYGT, LLC / H-20 GP 11-21-08

NOTE:
DDAI IS ONLY PROVIDING INFORMATION FOR PUMP SELECTION AND ELEVATION DATA. SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL DESIGN INFORMATION AND SPECIFICATIONS.

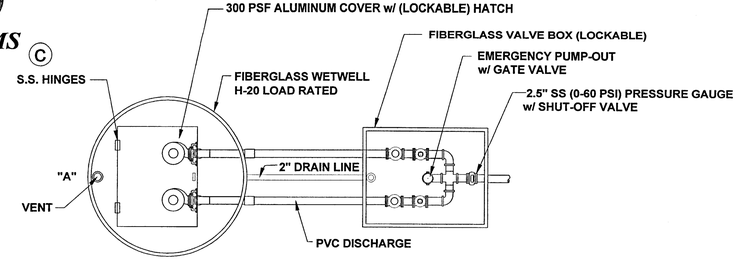
FASTNERS & APPURTANCES: All fasternes, lifting cables, float cable bracket, hinges, and appurtances shall be made of AISI 304SS.
A 304SS slide/latch assembly shall be provided tor holding the doors open on the wetwell and valve box.
Slide rails shall be made of SCH.40 AISI 304SS pipe.
Pump lifting cables shall be made of AISI 304 SS.

H-20 LOAD RATED WETWELL WITH LIFTING LUGS:
The fiberglass wetwell must be H-20 load rated with integral lifting lugs, fiberglass slope in bottom of wetwell and valve box.
Certification of the H-20 load rating must be supplied at the time of submittals to Engineer.
The wetwell shall be manufactured of fiberglass reinforced polyester (FRP) of depth and diameter as shown on the lift station elevation detail. The wall thickness shall be adequate for the depth of the wetwell to maintain the H-20 LOAD RATING.

EXECUTION:
Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the drawing.

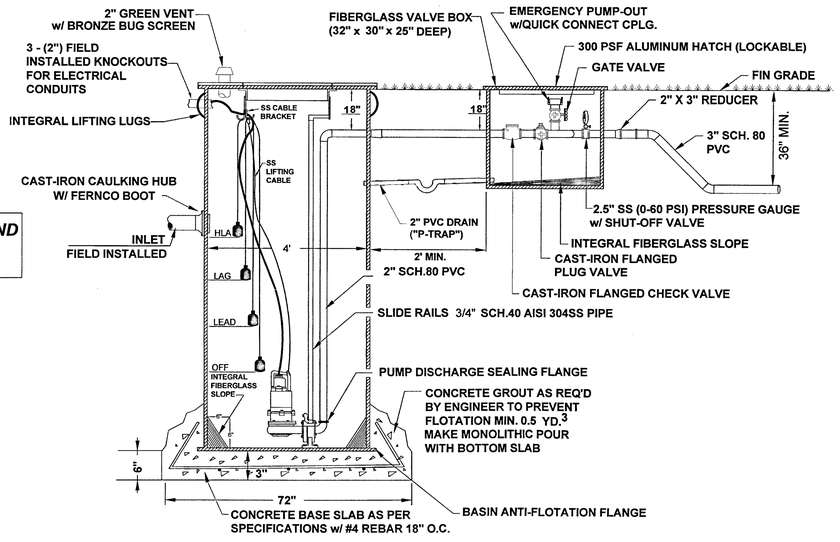
INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of complete system.
Megger the motors. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motor/cable is intact.
The pump controls and pumps shall be checked for mechanical reliability and proper operation.

LIFT STATION SHALL BE OWNED AND MAINTAINED BY LEE COUNTY.

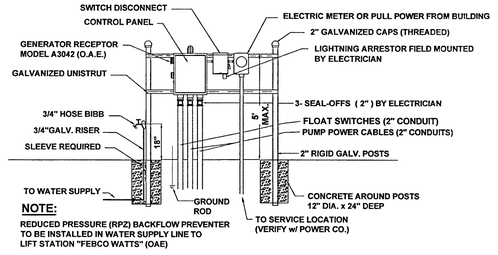


NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET FROM WETWELL PERIMETER AT POINT "A"

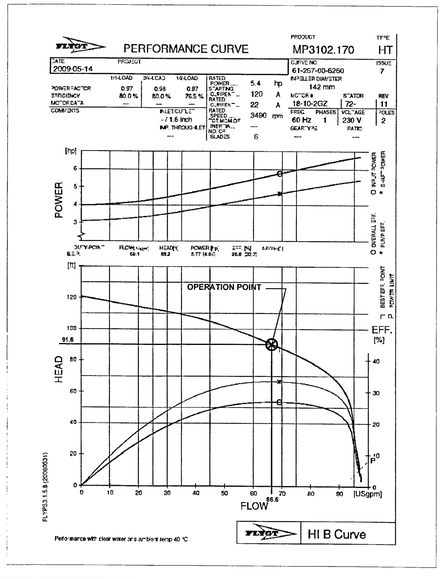
LIFT STATION PLAN



LIFT STATION SECTION



ELECTRICAL RISER



DAVID DOUGLAS ASSOCIATES, INC.
1821 Victoria Avenue,
Fort Myers, Florida 33901
Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business # 7568

PROJECT DESCRIPTION

MAINTENANCE AND STORAGE BUILDING FOR LEE COUNTY WASTE TO ENERGY FACILITY

PROJECT LOCATION:

10500 Buckingham Road
Fort Myers, Florida 33905

OWNER / CLIENT:

Lee County
10500 Buckingham Road
Fort Myers, Florida 33905

PH: (239) 533-8000
FAX: (239) 461-5871
OTHER: ----

DDAI CONTACT:
Steve Hurley

PROJECT ENGINEER

NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL RAISED SEAL OF A FLORIDA PROFESSIONAL ENGINEER

6-16-09

Daniel M. Craig
FLA. REG. P.E. NO: 38590

NOT VALID WITHOUT EMBOSSED SEAL, SIGNATURE AND DATE.

REVISIONS

	DESCRIPTION

JOB# **08-0077**

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SEC: 24 TWP: 44-S RGE: 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR	: STEVE HURLEY
PROJECT #	: 08-0077
FILE NAME	: (06) 08-0077 LS.dwg
DESIGNER	: STS
CAD TECH	: STS
CHECKED BY	: LSH
PLOT DATE	: 8/17/2006 6:20 PM
PLOTTED BY	: Scott Stuart

SHEET TITLE

LIFT STATION

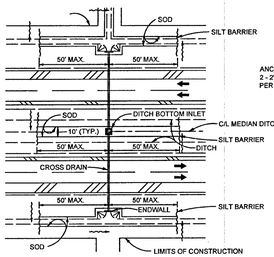
SHEET NO. 6

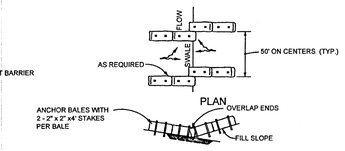
RECEIVED - DDP - JUN 18 2009 - SOUTH DISTRICT

PLAN STATUS

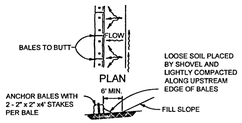
90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -

PLOT DATE: THU, 6-18-2009 - 8:20 AM PLOT BY: SSTUART FILE NAME: (06) 08-0077 LS.DWG LOCATION: R:\08-0077 LC MAINTENANCE STORAGE BLDG\CADD\DWG\ LAYOUT: UTILITY SITE PLAN (24 X 36)



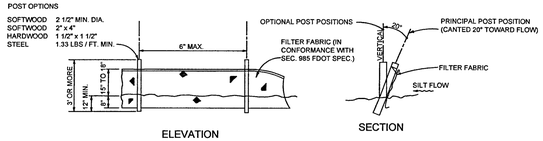


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



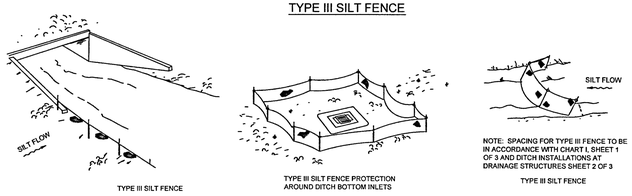
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES



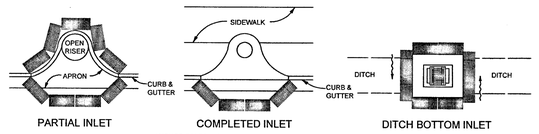
NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF)

TYPE III SILT FENCE



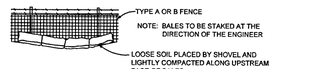
DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

SILT FENCE APPLICATIONS

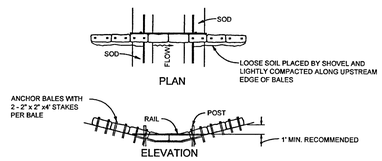


ANCHOR BALES WITH 2 - 2" x 2" x 4' STAKES PER BALE

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

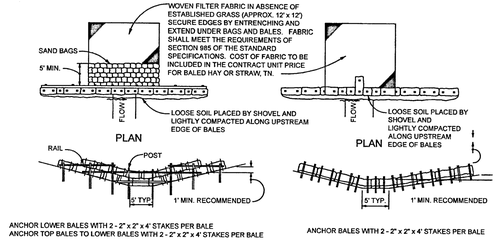


BALES BACKED BY FENCE



SPACING: BALE BARRIERS FOR PAVED DITCHES SHOULD BE SPACED IN ACCORDANCE WITH CHART I, SHEET 1 OF 3, INDEX No. 102

BARRIER FOR PAVED DITCH



ANCHOR LOWER BALES WITH 2 - 2" x 2" x 4' STAKES PER BALE
ANCHOR TOP BALES TO LOWER BALES WITH 2 - 2" x 2" x 4' STAKES PER BALE

ELEVATION

APPLICATION AND SPACING: THE USE OF TYPE I & II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN CHART I, SHEET 1 OF 3, INDEX No. 102

TYPE II

ANCHOR BALES WITH 2 - 2" x 2" x 4' STAKES PER BALE

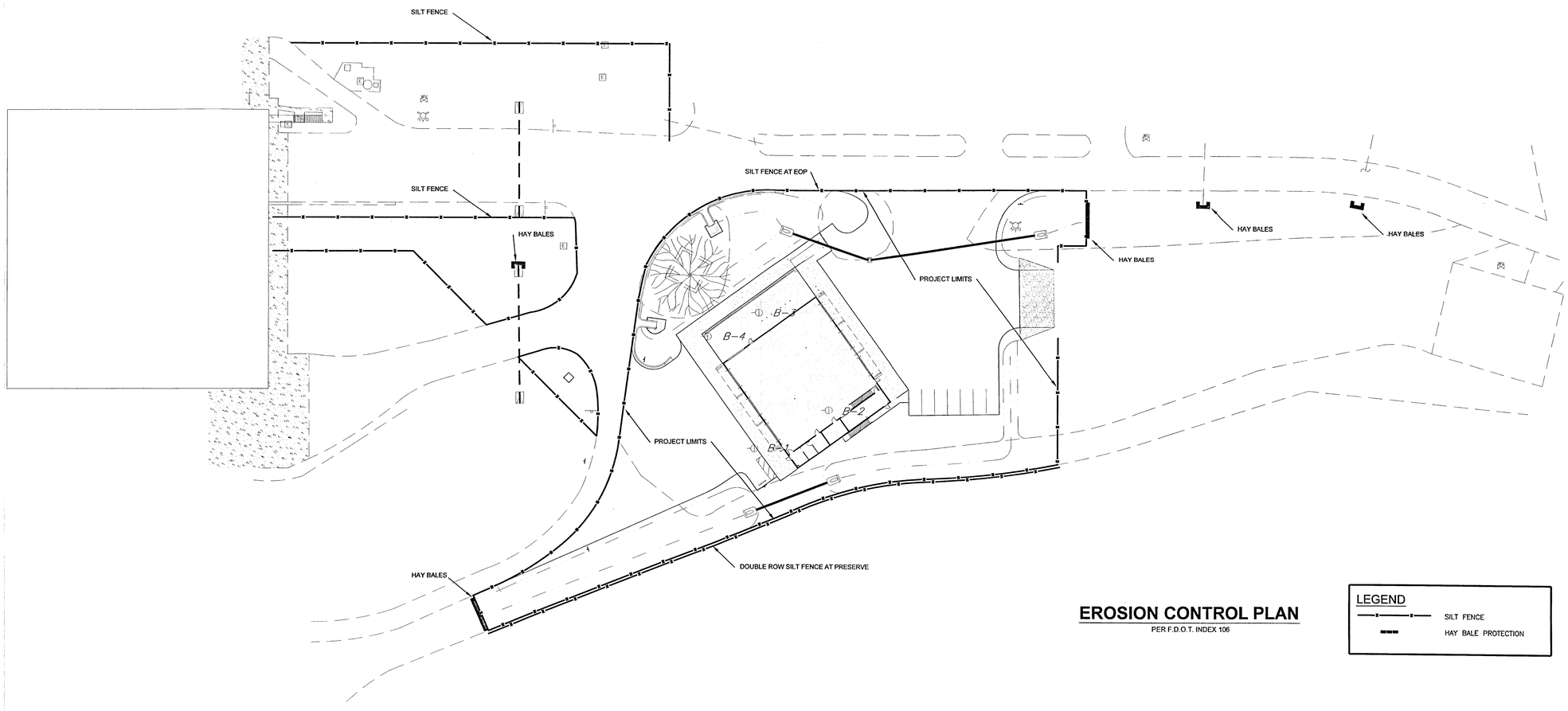
ELEVATION

TYPE I

BARRIER FOR UNPAVED DITCHES

BALED HAY OR STRAW BARRIERS AND SILT FENCES

PER F.D.O.T. INDEX 102



EROSION CONTROL PLAN

PER F.D.O.T. INDEX 106

LEGEND

SILT FENCE

HAY BALE PROTECTION

DDAI

DAVID DOUGLAS ASSOCIATES, INC.

1821 Victoria Avenue,
Fort Myers, Florida 33901
Ph. 239-337-3330, Fax 239-337-1236
Website: www.ddai-engineers.com
Florida Certification of Business # 7568

PROJECT DESCRIPTION

MAINTENANCE AND STORAGE BUILDING FOR LEE COUNTY WASTE TO ENERGY FACILITY

PROJECT LOCATION:

10500 Buckingham Road
Fort Myers, Florida 33905

OWNER / CLIENT:

Lee County
10500 Buckingham Road
Fort Myers, Florida 33905

PH: (239) 533-8000
FAX: (239) 461-5871

DDAI CONTACT:
Steve Hurley
PROJECT ENGINEER

NOT VALID WITHOUT THE SIGNATURE, DATE AND THE ORIGINAL RAISED SEAL OF A FLORIDA PROFESSIONAL ENGINEER

Daniel M. Craig
FLA. REG. P.E. NO: 38590 6-18-09

NOT VALID WITHOUT EMBOSSED SEAL, SIGNATURE AND DATE.

REVISIONS

	DESCRIPTION

JOB# **08-0077**

SITE DATA

STRAP #	24-44-25-00-00001.0000
SEC-TWP-RGE	SECT: 24 TWP: 44-S RGE: 25-E
CITY PERMIT #	N/A
SFWMD PERMIT #	N/A
LEE COUNTY #	N/A
PROJECT MGR	: STEVE HURLEY
PROJECT #	: 08-0077
FILE NAME	: (07) 08-0032 Erosion.dwg
ORIGIN DATE	: 04-14-09
DESIGNER	: STS
CAD TECH	: STS
CHECKED BY	: LSH
PLOT DATE	: 5/14/2008 1:12 PM
PLOTTED BY	: Scott Stuart

SHEET TITLE

EROSION CONTROL

SHEET NO. 7

RECEIVED D.E.P. JUN 18 2009 SOUTH DISTRICT

PLAN STATUS

90% CONSTRUCTION PLANS
- NOT FOR CONSTRUCTION -

PLOT DATE: THU, 6-18-2009 - 8:18 AM PLOT BY: SSTUART LOCATION: H:\08-0077 LC MAINTENANCE STORAGE BLDG\CADD\DWGS\ FILE NAME: (07) 08-0032 EROSION.DWG LAYOUT: 08-0032 EC

RIB ROOF

METAL BUILDING SPECIFICATIONS

GENERAL

SCOPE

THIS SPECIFICATIONS CONCERNS THE MANUFACTURE OF, AND THE CONSTRUCTION DETAILS FOR METAL BUILDINGS DESIGNED AND CONSTRUCTED TO BE WEATHER TIGHT AND EASILY ERECTED. THE BUILDING SHALL INCLUDE THE STRUCTURAL FRAMING, ROOF AND WALL COVERING, TRIM AND CLOSURES, AND ACCESSORIES HEREIN DESCRIBED

BUILDING DESCRIPTION

THE BUILDING SHALL BE THE DESIGN OF A MANUFACTURERS REGULARLY ENGAGED IN THE FABRICATION OF PRE-ENGINEERED STRUCTURES CONFORMING TO THE RECOMMENDATIONS OF THE MBMA MANUAL.

THE MANUFACTURER SHALL HAVE BEEN IN THE SYSTEMS BUILDING BUSINESS FOR FIFTEEN YEARS, AND SHALL BE A MEMBER OF THE METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA).

THE FOLLOWING METAL BUILDING MANUFACTURERS ARE ACCEPTABLE:

-445 BUILDING SYSTEMS, INC.
-AMERICAN BUILDINGS COMPANY
-BUTLER MANUFACTURING COMPANY
-CECO BUILDING SYSTEMS
-DEAN STEEL BUILDINGS, INC.
-GULF STATES MANUFACTURING, INC.
-KIRBY BUILDING SYSTEMS
-METALLIC BUILDINGS
-VARCO-PRUDEN BUILDINGS, INC.
-WORLDWIDE BUILDING SYSTEMS

OTHER METAL BUILDING MANUFACTURERS MAY BE CONSIDERED, PROVIDED THAT THEY MEET ALL SECTIONS OF THIS SPECIFICATION, AND THEY ARE APPROVED IN WRITING BY THE ARCHITECT.

BUILDING NOMENCLATURE

THE BUILDING 'WIDTH AND LENGTH' SHALL BE MEASURED FROM INSIDE TO INSIDE FACE OF THE WALL COVERING.

THE BUILDING 'EAVE HEIGHT' SHALL BE MEASURED FROM THE BOTTOM OF THE BASE PLATE OF THE RIGID FRAME COLUMNS TO THE INTERSECTING OF LINES REPRESENTING THE INSIDE OF THE WALL COVERING AND THE INSIDE OF THE ROOF COVERING.

THE 'ROOF SLOPE' SHALL BE THE ANGLE THAT THE ROOF SURFACE MAKES WITH THE HORIZONTAL EXPRESSED IN THE UNITS OF THE VERTICAL RISE TO 12 UNITS OF HORIZONTAL RUN.

SHOP DRAWINGS AND CERTIFICATIONS

THE BUILDING MANUFACTURER SHALL FURNISH COMPLETE CONSTRUCTION DETAILS SHOWING ANCHOR BOLT SIZES AND SETTINGS, SIDEWALLS, END WALLS AND ROOF FRAMING, TRANSVERSE CROSS-SECTIONS, COVERING

AND FLASHING DETAILS TO CLEARLY INDICATE THE PROPER ASSEMBLY OF ALL BUILDING PARTS. THESE DRAWINGS SHALL BE PRODUCED UNDER DIRECT SUPERVISION OF A FLORIDA REGISTERED STRUCTURAL ENGINEER AND SHALL BEAR EACH SHEET OF SETS WHICH SHALL BE SUPPLIED TO THE GENERAL CONTRACTOR FOR REVIEW AND APPROVAL.

DESIGN

GENERAL

ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC 'SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STEEL FOR BUILDINGS'.

ALL COLD-FRAMED STRUCTURAL STEEL MEMBERS AND EXTERIOR COVERING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION AISI, 'SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS'.

DESIGN LOADS

THE FOLLOWING CRITERIA FOR LIVE LOADS AND WIND LOADS SHALL BE FOLLOWED IN THE DESIGN OF STANDARD BUILDING COMPONENTS IN ACCORDANCE WITH FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 AMENDMENTS AND VELOCITY OF 120 MPH, AND ROOF LIVE LOAD AS PER SECTION 1607.9.

LOAD DESIGNATION	LIVE LOAD (PSF) TO PURLINS	WIND LOAD APPLICABLE	BUILDING CODE
	TO FRAMES	CODE	
	12/6.0G	120 MPH	FBC 2007 W/2009 AMENDMENTS
	REDUCED AS ALLOWED BY CODE		

THE BUILDING SHALL BE DESIGNED TO THE LOAD COMBINATION SPECIFIED IN THE MBMA 'LOW RISE BUILDING SYSTEM MANUAL', 1996 EDITION.

ROOF LIVE LOADS SHALL BE APPLIED TO THE HORIZONTAL ROOF PROJECTION AND LOADS SHALL BE ASSUMED TO ACT HORIZONTALLY AND SHALL BE APPLIED AS PRESSURE AND SUCTION IN ACCORDANCE WITH SECTION 1609 OF THE 2007 FLORIDA BUILDING CODE WITH 2009 AMENDMENTS OR THE MBMA 'LOW RISE BUILDING SYSTEMS MANUAL' 1996 EDITION.

DESIGNS SHALL INCLUDE THE BUILDING DEAD LOAD, THE ROOF LIVE LOAD, WIND AND SEISMIC LOAD IN ACCORDANCE TO FLORIDA BUILDING CODE INTERPRETATION OF THE BUILDING CODE SPECIFIED. ADDITIONAL COLLATERAL AND AUXILIARY LOADS SHALL BE INCLUDED WHEN SPECIFIED BY THE BUYER, OR AS INDICATED BY DRAWING.

STRUCTURAL FRAMING

GENERAL

ALL FRAMING MEMBERS SHALL BE SHOP FABRICATED FOR BOLTED FIELD ASSEMBLY.

PRIMARY STRUCTURAL FRAMING SHALL INCLUDE THE TRANSVERSE RIGID FRAME, LONG UNIT RAFTER BEAMS AND COLUMNS, BEARING AND FRAMES, END WALL COLUMNS AND WIND BRACING.

SECONDARY STRUCTURAL FRAMING SHALL INCLUDE THE PURLINS GIRTS, EAVE STRUTS, FLANGE BRACING, SILL SUPPORT, CLIPS AND OTHER MISCELLANEOUS STRUCTURAL PARTS.

ALL HOT ROLLED STEEL SHEET, PLATE, AND STRIP FOR BUILT-UP SECTIONS SHALL HAVE A MINIMUM YIELD POINT OF 55,000 PSI; HOT ROLLED STRUCTURAL SECTIONS SHALL CONFIRM TO THE REQUIREMENTS OF ASTM SPECIFICATION A-36. ALL COLD-FORMED SECTIONS 'G' AND 'Z' SHALL HAVE MINIMUM YIELD POINT OF 55,000 PSI, GALVANIZED SHEET AND STRIP FOR STRUCTURAL FRAMING MEMBERS SHALL CONFIRM TO ASTM SPECIFICATIONS A-446, GRADE 'A'.

PIPE FOR COLUMNS AND OTHER STRUCTURAL USES SHALL BE 42,000 PSI YIELD.

UNLESS OTHERWISE SPECIFIED THE MINIMUM THICKNESS OF FRAMING MEMBERS SHALL BE AS FOLLOWS:
COLD-FORMED PRIMARY FRAMING MEMBERS_____14 GAGE
COLD-FORMED SECONDARY FRAMING MEMBERS_____1 GAGE
WEBS OF WELDED BUILT-UP MEMBERS_____11 GAGE
FLANGES OF WELDED BUILT-UP MEMBERS_____3/16"
BRACING (CABLE STANDARD)_____1/4" DIA.

COLD-FORMED SECTIONS SHALL BE MANUFACTURED BY THE PRECISION ROLL OR BREAK FORMING. ALL DIMENSIONS SHALL BE TRUE.

ALL SHOP CONNECTIONS SHALL BE BY WELDING IN ACCORDANCE WITH THE AWS 'STRUCTURAL WELDING CODE'. LATEST EDITION. WELDING SHALL BE SUBMERGED ARC OR GAS SHIELDED ARC PROCESS.

ALL FIELD CONNECTIONS SHALL BE FIELD BOLTED WITH ASTM SPECIFICATIONS A-307 OR A-325 BOLTS AS SHOWN ON DRAWINGS. A-325 BOLTS HAVE BEEN TIGHTENED BY THE 'TURN OF THE NUT METHOD'. CONNECTIONS IN SECONDARY MEMBERS SHALL BE MADE WITH SPECIAL 1/2" HIGH, HEAD, FIN, NECK BOLTS AND HEX NUTS WHEN REQUIRED.

ALL FRAMING MEMBERS SHALL CARRY AN EASILY VISIBLE IDENTIFYING MARK.

EXPANSION JOINTS

LONGITUDE OR TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED TO ALLOW FOR THE AFFECTS OF TEMPERATURE INDUCED CONTRACTION OR EXPANSION ON ALL ROOF AND WALL ASSEMBLAGES. THE JOINT SHALL BE FLASHED AND COUNTER-FLASHED TO INSURE WEATHER TIGHTNESS.

RIGID FRAMES, LONG UNIT FRAMES AND CANOPY BEAMS ALL MEMBERS SHALL BE SEALED, BUILT-UP, 'I' SHAPES, EITHER CONSTANT DEPTH OR TAPERED.

BEARING END FRAMES

BEARING END FRAMES SHALL BE MILL ROLLED SECTIONS AND CONSIST OF COLUMN AT THE BUILDING CORNERS AND A CONTINUOUS RAFTER BEAM SUPPORTED BY THE ENDWALL COLUMNS. AN OPTIONAL BEARING FRAME SYSTEM WILL CONSIST OF COLD-FORMED 'C' OR 'Z' SECTIONS, AS REQUIRED BY DESIGN.

ENDWALL COLUMNS

ENDWALL COLUMNS SHALL BE MILL ROLLED SECTIONS OR WELDED BUILT-UP 'I' SHAPES. OPTIONAL ENDWALL COLUMNS WILL CONSIST OF SOLD-FORMED 'C' SECTIONS.

PURLINS AND GIRTS

PURLINS AND GIRTS SHALL BE COLD-FORMED 'Z' SECTIONS WITH STIFFENED FLANGES. THEY SHALL BE SIMPLE OR CONTINUOUS SPAN AS REQUIRED BY DESIGN.

EAVE STRUTS

EAVE STRUTS SHALL BE COLD FORMED C-SECTION SUFFICIENT TO PROVIDE ADEQUATE BACKUP FOR BOTH ROOF AND WALL PANELS AT THE BUILDING EAVES.

WIND BRACING

INSET GIRT BUILDINGS - WIND BRACING IN THE ROOF AND/OR SIDE WALL IS NOT REQUIRED WHERE THE DIAPHRAGM STRENGTH OF THE ROOF AND/OR WALL COVERING IS ADEQUATE TO RESIST THE LONGITUDINAL WIND FORCES. WHEN REQUIRED, WIND BRACING SHALL BE PROVIDED BY FIXED BASE CORNER COLUMNS OR OTHER SUITABLY DESIGNED BRACING.

BYPASS GIRT BUILDINGS - WIND BRACING SHALL CONSIST OF DIAGONAL BRACING AND SHALL BE PROVIDED IN BOTH ROOF AND SIDE WALL, AS INDICATED ON THE METAL BUILDING MANUFACTURER'S DRAWINGS. DESIGN SHALL INCLUDE REINFORCEMENT OR PURLIN AND EAVE STRUTS AS REQUIRED.

SPECIAL BRACING

WHEN DIAGONAL BRACING IS NOT PERMITTED IN THE SIDE WALL A RIGID FRAME TYPE PORTAL, OR FIXED BASE COLUMNS MUST BE USE, WIND BRACING IN THE ROOF AND/OR WALLS NEED NOT TO BE FURNISHED WHERE IT CAN BE SHOWN THAT THE DIAPHRAGM STRENGTH OF THE ROOF AND/OR WALL COVERING IS ADEQUATE TO RESIST THE APPLIED WIND LOADS.

FLANGE BRACING

THE INSIDE FLANGES OF ALL RIGID FRAMES SHALL BE BRACED LATERALLY BY ANGLES CONNECTED TO THE FLANGE AND WEB TO THE FRAME AND TO THE WEB OF THE PURLIN OR GIRT SO THAT THE ALLOWABLE COMPRESSIVE STRESS IS ADEQUATE FOR ANY COMBINATION OF LOADING.

BASE SUPPORT

A CONTINUOUS MEMBER SHALL BE PROVIDED TO WHICH THE BASE OF THE WALL COVERING MAY BE ATTACHED. THIS MEMBER SHALL BE A-14 GAGE GALVANIZED PAINTED BRAKE SHAPED BASE TRIM SECURED TO THE CONCRETE FLOOR WITH PROVEN DRIVEN FASTENERS OR EQUIVALENT ANCHORS.

FRAMED OPENINGS

STRUCTURAL FRAMING MEMBERS OF ALL SHAPE SHALL BE ADEQUATE FOR THE SPECIFIED DESIGN WIND LOADS

LONGITUDE OR TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED TO ALLOW FOR THE AFFECTS OF TEMPERATURE INDUCED CONTRACTION OR

EXPANSION ALL ROOF AND WALL ASSEMBLAGES, THE JOINT SHALL BE FLASHED AND COUNTER-FLASHED TO INSURE WEATHER TIGHTNESS.

PAINTING

ALL STRUCTURAL FRAMING MEMBERS WHICH ARE NOT GALVANIZED SHALL BE CLEANED TO REMOVE ALL DIRT, GREASE, OIL AND LOOSE MILL SCALE AND GIVEN ONE SHOP COAT OF IRON OXIDE PRIMER FORMULATED TO MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF FEDERAL SPECIFICATIONS TT-P-636.

ROOF AND WALLS

STANDARD PANELS

STANDARD ROOF PANELS SHALL BE 24 GAGE UNPAINTED GALVALUME (TM) COLD- FORMED PANELS. STANDARD WALL PANELS SHALL BE 26 GAGE COLOR COATED GALVANIZED COLD FORMED PANELS.

MATERIAL FOR 26 GAGE OR 24 GAGE PANELS SHALL BE GALVALUME (TM) STEEL (80,000 PSI YIELD) OR COLOR COATED GALVANIZED STEEL (80,000 PSI YIELD) CONFORMING TO ASTM SPECIFICATION A-446-GRADE E.

STANDARD PANEL PROFILES

WALL AND ROOF PANELS: 1 1/4" DEEP RIBS 12" ON CENTER WITH TWO 1/4" DEEP INTERMEDIATE STIFFENERS, 36" NET COVERAGE.

SOFFIT PANELS: 1 1/4" DEEP RIBS 12" ON CENTER WITH TWO 1/4" DEEP INTERMEDIATE STIFFENERS, 36" NET COVERAGE.

FASTENERS

ALL SELF-TAPPING FASTENERS SHALL CONFORM TO USASB188.4 AND SHALL HAVE TYPE 2 OR TYPE AB THREADS. ALL SELF-DRILLING FASTENERS SHALL CONFIRM TO 7113, WHERE REQUIRED FOR WEATHER TIGHTNESS, FASTENERS SHALL BE ASSEMBLED WITH 5/8" OD METAL AND NEOPRENE SEALING WASHERS.

PLATING

A. ALL FASTENERS SHALL BE PLATED TO MINIMUM THICKNESS OF .0005. ALL WASHERS SHALL BE PLATED TO MINIMUM EQUAL TO G-90 GALVANIZED STEEL.

B. EXTENDED CORROSION RESISTANT FASTENERS SHALL BE ZAC (TM) (ZINC-ALUMINUM CAST HEAD) WITH ALUMINUM AND NEOPRENE SEALING WASHERS.

COLOR COATING

AFTER PLATING, ALL FASTENERS AND SEALING WASHERS SHALL RECEIVE A SHOP APPLICATION OF A BAKED-ON VINYL CO-POLYMER FINISH COATING. THE COLOR OF THE FINISH SHALL MATCH THE WALL, TRIM, AND/OR ROOF PANELS.

SEALER

SEALER FOR SIDELAPS, ENDLAPS, AND FLASHING SHALL BE POLYMER SEALANT IN EXTRUDED TAPE FORM. THE SEALERS SHALL BE NON-SHRINKING, NON-DRYING, AND NON-TOXIC AND SHALL HAVE SUPERIOR ADHESION TO METALS, PLASTICS, AND PAINTED SURFACES. SERVICE RANGE TEMPERATURES FROM -30 DEGREES TO +300 DEGREES(TYPE II, CLASS B AND TT-C-178A-2. INSTALLATION OF ROOF AND WALL PANELS

ROOF PANELS SHALL BE CONTINUOUS FROM RIDGE TO EAVE FOR BUILDINGS 60' LONG OR LESS, WHERE ENDLAPS ARE REQUIRED THEY SHALL BE A MINIMUM OF 6" LONG AND SHALL OCCUR AT A ROOF PURLIN.

SIDE WALL AND ENDWALL PANELS SHALL BE CONTINUOUS FROM SILL TO ROOF LINE EXCEPT WHERE LENGTH BECOMES PROHIBITIVE FOR HANDLING PURPOSES. ENDWALL PANELS FOR BUILDING WITH 4:12 ROOF SLOPE SHALL HAVE A SPLICE AT THE EAVE LINES.

ENDWALL PANELS SHALL BE SQUARE CUT FOR BUILDINGS 1:12 ROOF SLOPE AND BEVEL CUT FOR BUILDINGS WITH A 4:12 ROOF SLOPE.

BEFORE SEQURING, ALL LAPS OF ROOF PANELS SHALL BE SEALED WITH A CONTINUOUS RIBBON OF TAPE SEALER.

STANDARD ROOF PANELS

A. ROOF PANELS SHALL BE SECURED TO PURLINS WITH #4 SHEET METAL SCREWS AT A MINIMUM SPACING OF 12".
B. AT THE ENDLAPS OF RIB SHEETS THE MAXIMUM SPACING SHALL BE ON EACH SIDE OF THE MAJOR RIB FOR RIB 12 PANELS.
C. SIDELAPS TO THE ROOF PANELS SHALL BE FASTENED THROUGH THE HIGH FLAT OF THE RIB WITH #4 SHEET METAL SCREWS AT A MAXIMUM SPACING OF 12".

STANDARD WALL PANELS

A. WALL PANELS SHALL BE SECURED TO GIRTS WITH #4 SHEET METAL SCREWS AT A MAXIMUM SPACING OF 12".
B. AT THE ENDLAPS OF RIB SHEETS THE MAXIMUM SPACING SHALL BE ON EACH SIDE OF THE MAJOR RIB FOR PANELS.
C. AT THE SIDELAPS OF SHEETS #3 SHEET METAL SCREWS SHALL BE PLACED AT A MAXIMUM OF 16" ON CENTER.

FLASHING, CLOSURES, AND TRIM

FLASHING AND/OR TRIM SHALL BE FURNISHED AT THE RAKE, CORNERS, AND EAVES AT FRAMED OPENINGS AND WHENEVER NECESSARY TO PROVIDE WEATHER TIGHTNESS AND A FINISHED APPEARANCE.

SCULPTURED RAKE TRIM SHALL BE ROLL FORMED 24 GAGE MATERIAL 20' LONG TO MINIMIZE JOINTS, OTHER TRIM SHALL BE 26 GAGE.

FLASHING AND TRIM MATERIAL SHALL BE GALVALUME (TM) STEEL (80,000 PSI YIELD) OR COLOR COATED GALVANIZED STEEL CONFORMING TO ASTM SPECIFICATION A-446 GRADE D (80,000 PSI YIELD).

A FORMED PANEL MATCHING THE SLOPE AND PROFILE OR ADJOINING PANELS SHALL BE FRAMED ALONG THE BUILDING RIDGE FOR PANELS. A RIDGE FLASHING AND CLOSURE SHALL BE USED WITH MASTER SEAM AND SUPREME SEAM PANELS. A PRE-FORMED METAL OUTSIDE CLOSURE AND RIDGE FLASHING SHALL BE USED WITH PRO SEAM PANELS.

CLOSURE STRIPS MATCHING THE PROFILE OF THE PANEL SHALL BE INSTALLED ALONG THE RAKE AND/OR EAVE WHERE REQUIRED FOR WEATHER TIGHTNESS. CLOSURE STRIPS SHALL BE CLOSED CELL SEMI-RIGID, CROSS LINKED POLYETHYLENE FOAM LAMINATED FOR STRENGTH AND UNIFORM COMPRESSIBILITY. METAL OUTSIDE CLOSURE STRIPS SHALL BE USED AT THE EAVE FOR PRO SEAM PANELS.

COLOR FINISH

EXTERIOR STEEL SURFACES SHALL BE GALVALUME (TM) OR COLOR COATED GALVANIZED STEEL.

A. COLOR OF ROOF PANELS, WALL PANELS, AND CORNER TRIM SHALL BE SELECTED FROM THE STANDARD MANUFACTURERS COLORS.
B. THE ROOF VENTILATORS, DOUNS FOUTS, EAVE TRIM AND DOOR FLASHING SHALL BE SELECTED FROM THE STANDARD MANUFACTURERS COLORS.

THE STANDARD WALL AND SOFFIT PANEL COLOR SURFACE SHALL BE A SILICONE-POLYESTER CO-POLYMER RESIN TYPE TO GIVE SUPERIOR ADHESION AND DURABILITY. THE FINISH COAT SHALL BE 1.0 MIL THICK. THE REVERSE COAT SHALL BE OFF WHITE POLYESTER NOMINAL .5 THICKNESS.

ERECTION

ERECTION SHALL BE IN ACCORDANCE WITH LOW RISE MBMA, 1996 EDITION.

GENERAL NOTES TO GENERAL CONTRACTOR:

1. PROVIDE INFORMATION FOR ALL
METAL ROOFING SYSTEMS PROPOSED:

A. PROVIDE DESIGN DOCUMENTATION FOR THE ROOFING SYSTEM PROPOSED AND COMPLYING WITH FLORIDA BUILDING CODE 2007 WITH 2009 AMENDMENTS.

B. PROVIDE ARCHITECTURAL APPROVAL ON ALL DOCUMENTS SUBMITTED FOR COMPLIANCE PER CODE.

2. PROVIDE PRE-ENGINEERED STEEL BUILDING PLANS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER OR PROVIDE A LETTER FROM THE MANUFACTURER WHO IDENTIFIES THE BUILDING SYSTEM AS PRE-ENGINEERED, RIGID AND ALL STRUCTURAL LOADS. PLANS OR LETTER MUST INDICATE WIND SPEED DESIGN PER THE FLORIDA BUILDING CODE 2007 W/ 2009 AMENDMENTS SECTION 16. IF LETTER IS PROVIDED, IT MUST BE SIGNED AND SEALED.

3. WINDOWS - THE GENERAL CONTRACTOR SHALL PROVIDE A WINDOW SCHEDULE SHOWING:

A. ALL OPENINGS IN THE BUILDING AND THE DESIGN WIND LOAD ON EACH.

B. ALL WINDOWS FOR EACH OPENING SHOWING THEIR TESTED DESIGNS MEETING OR EXCEEDING THE OPENING REQUIREMENTS.

C. PROVIDE DESIGN DOCUMENTATION TO VERIFY WINDOWS AND LOAD DESIGNS TO INCLUDE METHOD OF ATTACHMENTS FOR EACH OPENING.

D. PROVIDE TESTING DOCUMENTATION TO VERIFY WINDOWS AND LOAD DESIGN.

E. PROVIDE ARCHITECTURAL APPROVAL ON ALL DOCUMENTATION SUBMITTED.

F. ALL DOCUMENTATION MUST SPECIFIC FOR THE APPLICATION. DO NOT SUBMIT A BROCHURE CUT SHEETS WITH GENERIC INFORMATION.

4. EXTERIOR LOUVERS AND VENTS - THE GENERAL CONTRACTOR SHALL PROVIDE INFORMATION SHOWING:

A. ALL OPENINGS IN THE BUILDING AND THE DESIGN WIND LOAD ON EACH.

B. ALL LOUVERS FOR EACH OPENING SHOWING THEIR TESTED DESIGNS MEETING OR EXCEEDING THE OPENING REQUIREMENTS.

C. PROVIDE DESIGN DOCUMENTATION TO VERIFY LOUVERS AND LOAD DESIGN TO INCLUDE METHOD OF ATTACHMENTS FOR EACH OPENING.

D. PROVIDE TESTING DOCUMENTATION TO VERIFY LOUVER AND LOAD DESIGN.

E. PROVIDE ARCHITECTURAL APPROVAL ON ALL DOCUMENTATION SUBMITTED.

F. ALL DOCUMENTATION MUST SPECIFIC FOR THE APPLICATION. DO NOT SUBMIT A BROCHURE CUT SHEET WITH GENERIC INFORMATION.

5. EXTERIOR DOORS - THE GENERAL CONTRACTOR SHALL PROVIDE SCHEDULE SHOWING ALL OPENINGS IN THE BUILDING AND THE DESIGN WIND LOAD OF EACH.

A. ALL OPENINGS IN THE BUILDING AND THE DESIGN WIND LOAD ON EACH.

B. ALL DOORS FOR EACH OPENING SHOWING THEIR TESTED DESIGNS MEETING OR EXCEEDING THE OPENING REQUIREMENTS.

C. PROVIDE DESIGN DOCUMENTATION TO VERIFY DOORS AND LOAD DESIGNS TO INCLUDE METHOD OF ATTACHMENTS FOR EACH OPENING.

D. PROVIDE TESTING DOCUMENTATION TO VERIFY DOORS AND LOAD DESIGNS.

E. PROVIDE ARCHITECTURAL APPROVAL ON ALL DOCUMENTATION SUBMITTED.

F. ALL DOCUMENTATION MUST SPECIFIC FOR THE APPLICATION. DO NOT SUBMIT A BROCHURE CUT SHEET WITH GENERIC INFORMATION.

6. GARAGE DOORS - THE GENERAL CONTRACTOR SHALL PROVIDE A SCHEDULE SHOWING:

A. ALL OPENINGS IN THE BUILDING AND THE DESIGN WIND LOADS AND IMPACT LOADS ON EACH.

B. ALL METHODS OF PROTECTION FOR EACH OPENING SHOWING THEIR TESTING DESIGNS MEETING OR EXCEEDING THE OPENING REQUIREMENTS.

C. PROVIDE TESTING DOCUMENTATION TO VERIFY DESIGNS.

D. PROVIDE ARCHITECTURAL APPROVAL ON ALL DOCUMENTATION SUBMITTED.

E. ALL DOCUMENTATION MUST SPECIFIC FOR THE APPLICATION. DO NOT SUBMIT A BROCHURE CUT SHEET WITH GENERIC INFORMATION.

7. THE GENERAL CONTRACTOR SHALL PROVIDE A STATEMENT OF COMMITMENT TO HAVE THE ENGINEER OF RECORD REVIEW ALL POST PERMIT ENGINEERING TO DETERMINE THAT EACH SEGMENT THAT IS DELEGATED TO OTHER ENGINEERS WILL BE REVIEWED FOR ITS APPLICABILITY AND APPROPRIATENESS OF DESIGN. THIS IS REQUIRED BY RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF STRUCTURES SECTION 61G15-19.001. THE ENGINEER OF RECORD DOES NOT NEED TO SIGN AND SEAL THE DELEGATED ENGINEERING, BUT HE MUST ACKNOWLEDGE IN WRITING THAT HE HAS REVIEWED IT AND THAT IT IS ACCEPTABLE. THIS APPLIES TO ALL DELEGATED ENGINEERING FOR THE JOB.

8. CERTAIN PARTS OF CONSTRUCTION REQUIRE SPECIFIC DESIGN ENGINEERING AND MAY BE APPROVED TO BE SUBMITTED AT A LATER DATE. EXAMPLES: SHOP DRAWINGS. THESE SPECIFIC ITEMS NEED TO BE REQUESTED FOR, BY THE PERMITTING CONTRACTOR THE REQUEST FOR POST PERMIT ENGINEERING SUBMITTALS NEED TO BE REQUESTED FROM THE GENERAL CONTRACTOR IN A LETTER SPECIFICALLY REQUESTING APPROVAL.
THE LETTER REQUESTING APPROVAL FOR POST PERMIT ENGINEERING SUBMITTALS MUST BE VERY SPECIFIC IN IDENTIFYING WHAT ADDITIONAL INFORMATION WILL BE PROVIDED AND BY WHAT DATE. THE LETTER OF REQUEST MUST BE ON THE CONTRACTORS LETTERHEAD AND PROVIDE THE FOLLOWING:

A. IDENTIFY WHAT SPECIFIC ENGINEERING IS NOT TO BE SUBMITTED IN THE PLANS FOR PERMITTING. EACH INDIVIDUAL SEGMENT OF ENGINEERING IDENTIFIED MUST BE A SEPARATE ITEMS IN THE LETTER. DO NOT BE GENERIC. 'WINDOW ENGINEERING' IS GENERIC. SPECIFIC INFORMATION WOULD BE: 'WINDOW ENGINEERING TO INCLUDE: ALL EXTERIOR WINDOW BUCK, FRAME, GLAZING AND ATTACHMENT DETAILS'. 'LIGHT GAGE METAL ENGINEERING' IS GENERIC. SPECIFIC INFORMATION WOULD BE 'LIGHT GAGE ENGINEERING TO INCLUDE: ALL SIZES OF MEMBERS, GAGE OF MATERIALS, CONNECTIONS BETWEEN FRAMING MEMBERS, CONNECTIONS OF FRAMING TO THE STRUCTURE AND ATTACHMENTS OF MATERIALS TO THE FRAMING.

B. PROVIDE NOTES SPECIFYING 'NO WORK RELATED TO EACH SEGMENT OF ENGINEERING TO BE SUBMITTED, MAY BE STARTED UNTIL PLANS HAVE BEEN SUBMITTED, REVISIED AND APPROVED'. THIS WILL ADDITIONALLY BE NOTED IN THE COMPUTER FOR THE INSPECTORS TO LOOK FOR THE APPROVAL.

C. PROVIDE A STATEMENT OF UNDERSTANDING THAT ANY WORK THAT IS PERFORMED WITHOUT APPROVED ENGINEERING IS SUBJECT TO A STOP WORK ORDER, OR POSSIBLE DISMANTLING OF THE AREAS OF ENGINEERING CONCERNED.

D. SPECIFIC ADDITIONAL DETAILS MAY BE REQUESTING BY THE BUILDING DEPARTMENT, UPON APPROVAL OF THE REQUEST.

GENERAL NOTES

INDUSTRY STANDARDS:
INDUSTRY STANDARDS SHALL HAVE THE SAME FORCE AND EFFECT ON PERFORMANCE OF WORK AS IF COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS OR BOUND AND PUBLISHED THERE WITH, COMPLY WITH STANDARDS IN EFFECT AS OF DATE OF CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED OR REQUIRED BY GOVERNING AUTHORITIES.

CODES:
ALL WORK SHALL CONFORM TO THE FOLLOWING CODES AND ORDINANCES

FLORIDA FIRE PREVENTION CODE, 2007 EDITION
FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 AMENDMENTS
FLORIDA PLUMBING, MECHANICAL & FUEL GAS CODE, 2004 EDITION WITH 2006 AMENDMENTS
NATIONAL ELECTRIC CODE, 2005 EDITION

LOCAL CODES AND ORDINANCES WERE APPLICABLE, FLOOD DAMAGE PREVENTION ORDINANCES.

SUPERVISION AND CONTROL:

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE FIELD SUPERVISION, CONSTRUCTION ADMINISTRATION, REVIEW AND APPROVAL OF ALL SHOP DRAWINGS, VERIFICATION ON SITE OF ALL DIMENSIONS AND STRICT COMPLIANCE WITH THESE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING IN DAYS OF RECEIPT OF CONSTRUCTION DOCUMENTS OF ANY ERRORS OR OMISSION OF THE ARCHITECT.

THE GENERAL CONTRACTOR AGREES TO ASSUME LIABILITY FOR CORRECTIVE MEASURES SHOULD THE ARCHITECT NOT BE INFORMED AS NOTED. THE GENERAL CONTRACTOR SHALL NOT DEVIATE FROM CONSTRUCTION DOCUMENTS, OR MAKE SUBSTITUTES WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT. THE GENERAL CONTRACTOR SHALL ASSIGN A QUALIFIED CONSTRUCTION SUPERVISOR TO THE PROJECT. THE GENERAL CONTRACTOR AND HIS SUPERVISION SHALL BE RESPONSIBLE FOR THE COORDINATION OF SURVEY/MONUMENTATIONS, INSPECTIONS AND TESTING, GENERAL INSTALLATION PROCEDURES AND CUTTING AND PATCHING, AND CLEANING/PROTECTING.

GENERAL INSTALLATION PROVISIONS:
CELL IN ADVANCE OF EVERY MAJOR UNIT OF WORK WHICH REQUIRES COORDINATING AND INTERFACING WITH OTHER WORK. MEET AT PROJECT SITE WITH INSTALLERS AND/OR REPRESENTATIVES OF MANUFACTURERS AND FABRICATORS WHO ARE INVOLVED IN OR EFFECTED BY THE UNIT OF WORK WHICH HAS PROCEEDED OR WILL FOLLOW. DISCUSS FOLLOW CONDITIONS WITH MANUFACTURERS APPLICABLE INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION. INSPECT EACH ITEM OF MATERIAL OR EQUIPMENT IMMEDIATELY PRIOR TO INSTALLATION, AND REJECT DAMAGED OR DEFECTIVE ITEMS. PREPARE ATTACHMENT AND CONNECTION DEVICES AND METHODS FOR SECURING WORK PROPERLY AS IT IS INSTALLED, TRUE TO LINE AND LEVEL AND WITHIN RECOGNIZED INDUSTRY TOLERANCE ALLOW FOR EXPANSIONS AND BUILDING MOVEMENTS, PROVIDE UNIFORM JOINT WIDTHS IN EXPOSED WORK, ORGANIZE FOR BEST VISUAL EFFECT.

RECHECK MEASUREMENTS AND DIMENSIONS OF THE WORK, AS IN INTEGRAL STEP OF STARTING EACH INSTALLATION AND MAKING EACH PURCHASE OF EQUIPMENT.

INSTALL WORK DURING CONDITIONS OF TEMPERATURE, HUMIDITY, EXPOSURE, FORECASTED WEATHER, AND STATUS OF PROJECT COMPLETION WHICH WILL ENSURE BEST POSSIBLE RESULTS FOR EACH UNIT OF WORK, IN COORDINATION WITH THE ENTIRE WORK.

ISOLATE EACH UNIT OF WORK FROM NON-COMPATIBLE WORK, AS REQUIRED TO PREVENT DETERIORATION.

COORDINATE ENCLOSURE (CLOSING IN) OF WORK WITH REQUIRED INSPECTIONS AND TESTS, SO AS TO MINIMIZE THE NECESSITY OF UNCOVERING WORK FOR THAT PURPOSE.

WHERE MOUNTING HEIGHTS AND LOCATIONS ARE NOT INDICATED, MOUNT INDIVIDUAL UNITS OF WORK AT INDUSTRY-RECOGNIZED STANDARDS MOUNTING HEIGHTS (LOCATIONS) FOR APPLICATIONS INDICATED. REFER QUESTIONABLE CHOICES TO ARCHITECT/ENGINEER.

TEMPORARY FACILITIES:
REFER TO THE 'GENERAL CONDITIONS OF THE CONTRACT OF CONSTRUCTION' FOR BASIC CONTRACT REQUIRE. PROVIDE THE FOLLOWING SERVICES AS REQUIRED TO PERFORM THE WORK.

TEMPORARY UTILITY SERVICES:
TEMPORARY CONSTRUCTION FACILITIES:
WATER DISTRIBUTION, DEWATERING, ENCLOSURE, POWER DISTRIBUTION, TEMPORARY LIGHTING, TEMPORARY ROADS, TEMPORARY ELEVATOR/HOISTING, AND MISC. CONSTRUCTION FACILITIES.

TEMPORARY SUPPORT FACILITIES:
CONTRACTOR'S FIELD OFFICE, DRINKING WATER, TOILETS, ECT. GENERAL CONTRACTOR SHALL PROVIDE PROJECT IDENTIFICATION SIGN (TO INCLUDE NAME OF PROJECT OWNER, CONTRACTOR, ARCHITECT, AND ADDITIONAL INFORMATION AS REQUIRED BY THE OWNER. CONTRACTOR SHALL SUBMIT SIGNS FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.

FIRE PROTECTION, BARRICADES, FENCING, LOGGUP AND SECURITY, SIDEWALK PROTECTION, WATCHMAN SERVICE (WHEN REQUIRED BY OWNER OR CONSTRUCTION CODE), TEMPORARY FIRE PROTECTION, REFER ALL PRODUCT SELECTIONS AND SUBSTITUTIONS TO THE OWNER FOR FINAL APPROVAL PRIOR TO ACTUAL PURCHASE OF MATERIALS.

WARRANTY AND GUARANTY:
ONE YEAR UNITING GUARANTY IS REQUIRED ON ALL WORK UNDER THIS CONTRACT

ROOM FINISH NOTES: COLORS SELECTED BY OWNER

INSTALL ALL PRODUCTS ACCORDING TO MANUFACTURERS WRITTEN SPECIFICATIONS.

FLOORS:

EPOXY: 'ARMORPOXY', ARMORULTRA MILITARY GRADE 2-PART EPOXY INDUSTRIAL FLOOR COATING. WWW.ARMORPOXY.COM

BASE:

VINYL: 'MERCER PLASTICS, CO. INC.', 4" HIGH, 1/8" GAGE, MATTE FINISH, OR ARCHITECT APPROVED EQUAL

WALLS:

PAINT: 1 COAT OF BLOCK FILLER.
2 COATS SATIN FINISH LATEX.

EPOXY PAINT: 2 COATS INSL-TILE LOW VOC, LOW ODOR EA-7610

CEILINGS:

SUSP. ACOUST 2' X 2': USG SHEETROCK BRAND GYPSUM LAY-IN PANELS 'CLIMAPLUS' WHITE VINYL STIPPLE PATTERN 24'X24'X1/2" SQUARE CUT TEGULAR LAY-IN W/ DONN DX 15/16" PRELUDE EXPOSED TEE GRID OR ARCHITECT APPROVED EQUAL.

BOLLARDS:

PAINT: 1 COAT OIL BASED PRIMER.
2 COATS OIL BASED 'SAFETY YELLOW'.

WINDOWS:

SILLS & TRIM: SILTECH 100% ACRYLIC SOLID SURFACE WINDOWSILLS & TRIM TYPE "P" OR APPROVED EQUAL.

SILTECH N.C. 239-593-7888 WWW.SILTECH-NC.COM

EXTERIOR STUCCO/EXPOSED CMU:

PAINT: 1 COAT CONDITIONER PRIMER
1 COAT EXTERIOR ACRYLIC SATIN FINISH

ROOM FINISH SCHEDULE

ROOM TITLE	FLOOR				BASE			NORTH WALL				SOUTH WALL				EAST WALL				WEST WALL				CEILING		CLG. HT.			REMARKS
	ARMORULTRA LATEX COATING	SEALED CONCRETE		VINYL	NONE			LATEX PAINTED CMU	OPEN	METAL STRUCTURE + PANELS	LATEX PAINTED GYP. BOARD	EPOXY PAINTED CMU/GYP. BOARD	LATEX PAINTED CMU	OPEN	METAL STRUCTURE + PANELS	LATEX PAINTED GYP. BOARD	EPOXY PAINTED CMU/GYP. BOARD	LATEX PAINTED CMU	OPEN	METAL STRUCTURE + PANELS	LATEX PAINTED GYP. BOARD	EPOXY PAINTED CMU/GYP. BOARD	LATEX PAINTED CMU	OPEN	METAL STRUCTURE + PANELS	LATEX PAINTED GYP. BOARD	EPOXY PAINTED CMU/GYP. BOARD	2'x2' SUSP. ACOUST	OPEN TO BUILDING STRUCTURE	LATEX PAINTED CONC. PLANK	8'-0"	10'-0"	VARIES	
GROUND FLOOR																																	
BREAK	●			●				●				●					●	●					●				●		●				
FAX/COPY	●			●				●				●					●				●		●				●		●				
OFFICE	●			●				●				●				●					●		●				●		●				
H.C.	●			●							●	●				●					●		●				●		●				
SUPPLIES	●				●		●				●	●				●				●			●				●			●			
INSIDE REPAIR SHOP	●				●		●				●	●				●			●				●				●			●			
OUTSIDE REPAIR SHOP		●			●			●			●	●				●			●				●				●			●			
SECOND FLOOR																																	
OPEN OFFICE	●			●							●	●					●	●					●				●		●				
TEL.	●			●				●				●					●				●		●				●		●				
HVAC	●			●				●				●				●					●		●				●		●				
MEZZANINE	●			●				●		●		●		●			●				●		●				●			●			BASE ON GYP. BOARD WALL

NOTES:

1. TAPE, FLOAT, SAND, TEXTURE & PAINT ALL GYP. BOARD WALLS. OWNER SHALL SELECT ALL COLORS, PATTERNS, TRIM & OTHER ITEMS REQUIRED FOR A COMPLETE PROJECT.
2. OWNER SHALL SELECT ALL COLORS, PATTERNS, TRIM & OTHER ITEMS REQUIRED FOR A COMPLETE PROJECT.
3. ALL EXPOSED CMU WALLS SHALL HAVE TOOLED CONCAVED MORTAR JOINTS.

WINDOWS SEE EXTERIOR ELEVATION FOR WIND DESIGN LOADS

MK	SIZE	DESCRIPTION	TYPE	REMARKS	IMPACT RESISTANT GLASS
ⓐ	5'-0"x4'-0"	PGT 3040 HORIZONTAL SLIDER W/ TINTED IRG GLASS	1	COLOR TO BE SELECTED BY OWNER	YES
ⓑ	3'-0"x4'-0"	HOLLOW METAL W/ CLEAR TEMP. GLASS	2	PAINTED TO BE SELECTED BY OWNER	NO
ⓒ	10'-0"x3'-6"	HOLLOW METAL W/ CLEAR TEMP. GLASS	3	PAINTED TO BE SELECTED BY OWNER	NO

IRG. INDICATES IMPACT RESISTANT GLASS.

DOORS SEE EXTERIOR ELEVATION FOR WIND DESIGN LOADS

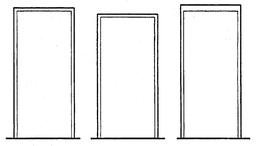
MK	SIZE	DESCRIPTION	TYPE	FRAMES SIZE	FRAMES DESCRIPTION	FRAMES TYPE	DOOR/ FRAME RATING	HARDWARE NO.	REMARKS	IMPACT RESISTANT GLASS
①	3'-0"x7'-0"x1-3/4"	INSULATED HOLLOW METAL W/ CLEAR TEMP. GLASS	1	5-3/4" X 2" W/ 4" HEAD	HOLLOW METAL	3	NONE	1	PAINTED TO BE SELECTED BY OWNER	NO
②	3'-0"x7'-0"x1-3/4"	INSULATED HOLLOW METAL	3	5-3/4" X 2" W/ 4" HEAD	HOLLOW METAL	3	NONE	1	PAINTED TO BE SELECTED BY OWNER	NO
③	3'-0"x7'-0"x1-3/4"	INSULATED HOLLOW METAL	6	5-3/4" X 2"	HOLLOW METAL	1	NONE	1	PAINTED TO BE SELECTED BY OWNER	NO
④	3'-0"x6'-8"x1-3/4"	INSULATED HOLLOW METAL	2	AS REQUIRED X 2"	HOLLOW METAL	2	NONE	2	PAINTED TO BE SELECTED BY OWNER	NO
⑤	8'-0" X 8'-0"	COILING STEEL DOOR (CHAIN)	4	AS REQUIRED	AS REQUIRED	-	NONE	-	PAINTED TO BE SELECTED BY OWNER	NO
⑥	14'-0" X 16'-0"	COILING STEEL DOOR (ELECTRIC)	5	AS REQUIRED	AS REQUIRED	-	NONE	-	PAINTED TO BE SELECTED BY OWNER	NO
⑦	3'-0"x7'-0"x1-3/4"	INSULATED HOLLOW METAL W/ IRG GLASS	6	5-3/4" X 2" W/ 4" HEAD	HOLLOW METAL	3	NONE	1	PAINTED TO BE SELECTED BY OWNER	YES

HARDWARE SCHEDULE: OWNER TO SELECT FUNCTION & FINISH, LEVER STYLE KNOBS

1. 1 1/2 PR HINGES, LOCKSET, CLOSER, WEATHER STRIPING & THRESHOLD
2. 1-1/2 PR. HINGES, LOCKSET, CLOSER, STOP

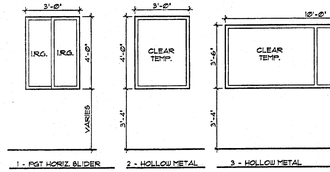
NOTE:
ALL HM. FRAMES IN CMU WALLS SHALL BE BUTTED MASONRY TYPE W/ CONCEALED WIRE MASONRY ANCHOR W/ JAMBS & HEAD FILLED W/ MORTAR. (NO EXCEPTIONS)

FRAME TYPES:



1 - HOLLOW METAL | 2 - HOLLOW METAL | 3 - HOLLOW METAL

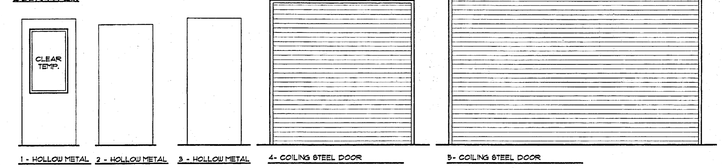
WINDOW TYPES:



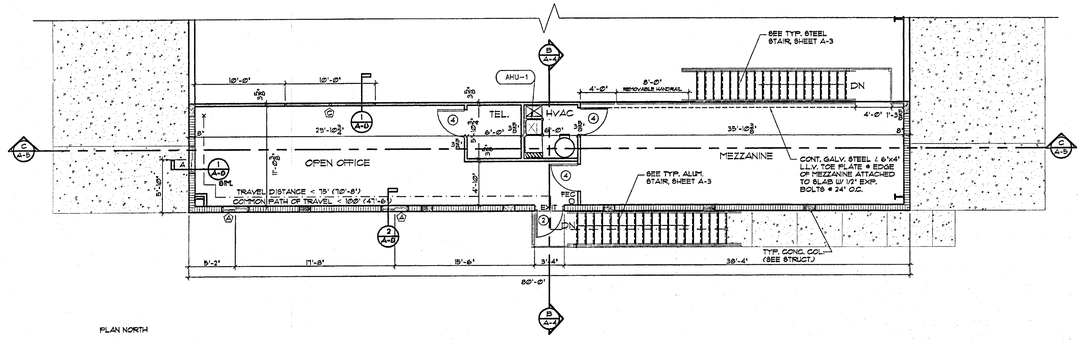
1 - PGT HORIZ. SLIDER | 2 - HOLLOW METAL | 3 - HOLLOW METAL

I.R.G. INDICATES IMPACT RESISTANT GLASS.

DOOR TYPES:



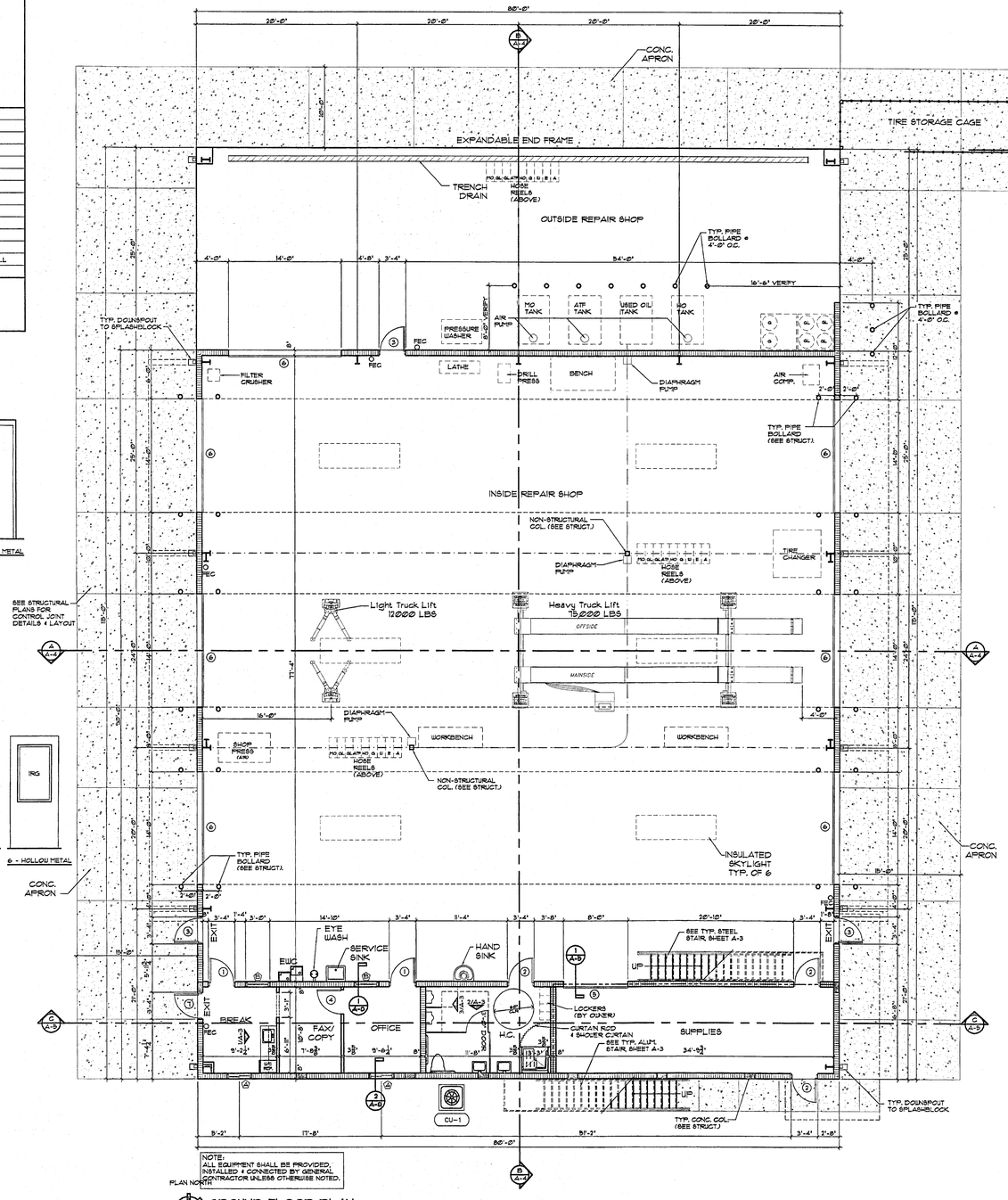
1 - HOLLOW METAL | 2 - HOLLOW METAL | 3 - HOLLOW METAL | 4- COILING STEEL DOOR | 5- COILING STEEL DOOR | 6 - HOLLOW METAL



PLAN NORTH

SECOND FLOOR PLAN

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



NOTE:
ALL EQUIPMENT SHALL BE PROVIDED, INSTALLED & CONNECTED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

PLAN NORTH

GROUND FLOOR PLAN

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

EQUIPMENT ABBREVIATIONS

MO	MOTOR OIL
GL	GEAR LUBE
ATF	AUTOMATIC TRANSMISSION FLUID
HO	HYDRAULIC OIL
G	GREASE
W	WATER
E	ELECTRIC
A	AIR

WALL LEGEND

- 8" CMU WALL WITH METAL BUILDING PANELS ABOVE.
- 1 LAYER OF 1/2" GYP. BOARD ON EACH SIDE OF 3-5/8" METAL STUDS WALLS @ 16" O.C.
- FEC — INDICATES (1) 8A. 10BC FIRE EXTINGUISHER ON HOOK

PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 AMENDMENTS, SECTION 1609 FOR 126 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

6.18.09

JASON P. TRAMONTE — LIC. NO. AR0011459

PROJ. NO.	2009.03
DRAWN	J.A.C.
DATE	6/01/09
CHECKED	J.P.T.

REVISIONS

DATE	BY

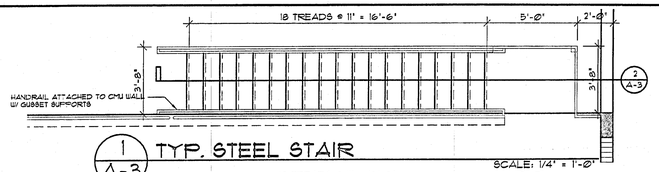
MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

JASON P. TRAMONTE
ARCHITECT, INC.
1625 SE 46TH STREET SUITE 2A CAPE CORAL, FLORIDA 33904
(239) 549-0937 AA 0002443

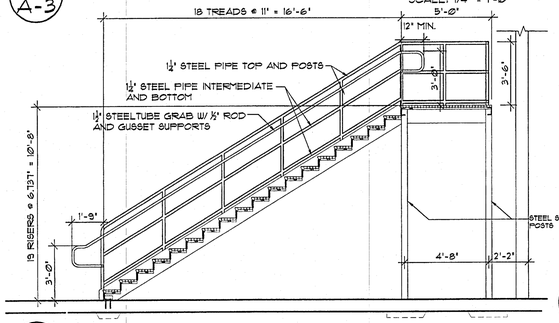
SHEET A-2 OF 8 SHEETS

RECEIVED - D.E.P. JUN 19 2009 SOUTH DISTRICT



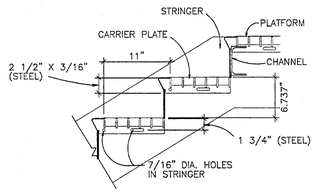
1 A-3 TYP. STEEL STAIR

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



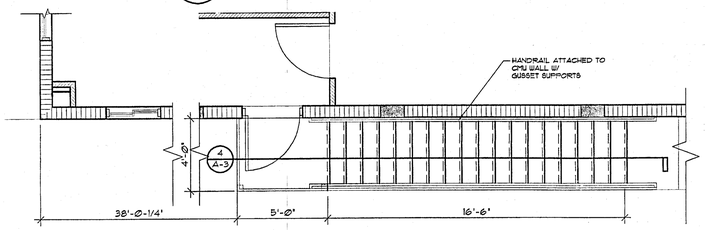
2 A-3 TYP. STEEL STAIR

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



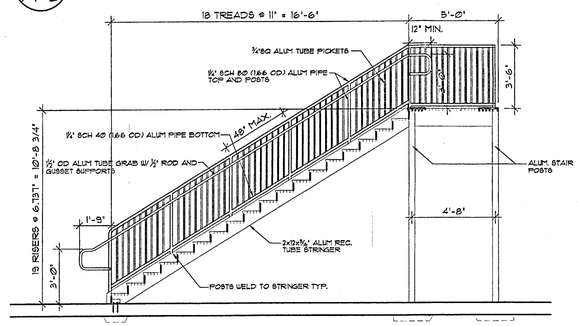
6 A-3 STEEL STAIR TREAD DETAIL

SCALE: 1" = 1'-0"



3 A-3 TYP. ALUMINUM STAIR

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



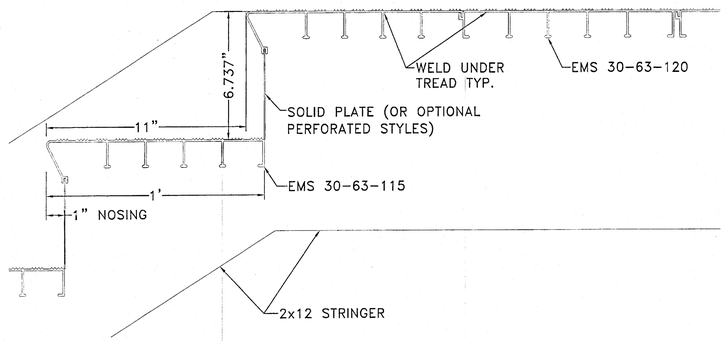
4 A-3

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

ALUMINUM STAIR NOTES:

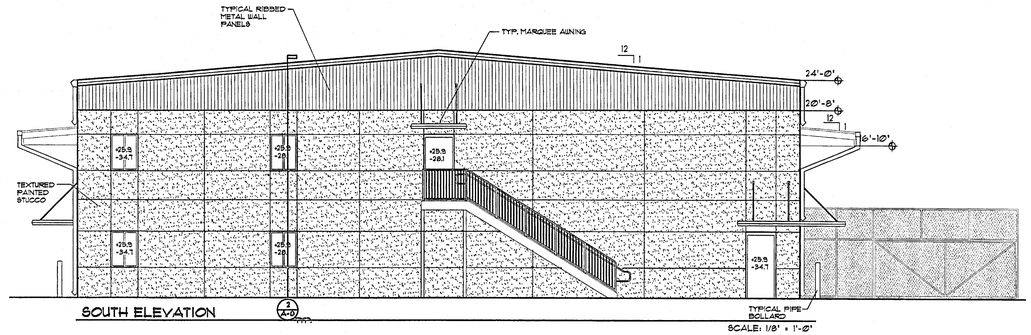
NOTE: OPEN GUARDRAILS SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL PATTERN SUCH THAT A 4" DIAMETER SPHERE CAN NOT PASS THROUGH AN OPENING UP TO A HEIGHT OF 34". A BOTTOM RAIL OR CURB SHALL BE PROVIDED THAT WILL REJECT PASSAGE OF A 2" DIAMETER SPHERE.

NOTE: A 6" SPHERE SHALL NOT PASS THROUGH THE TRIANGULAR OPENING FORMED BY A TREAD, RISER AND BOTTOM GAURD RAIL.



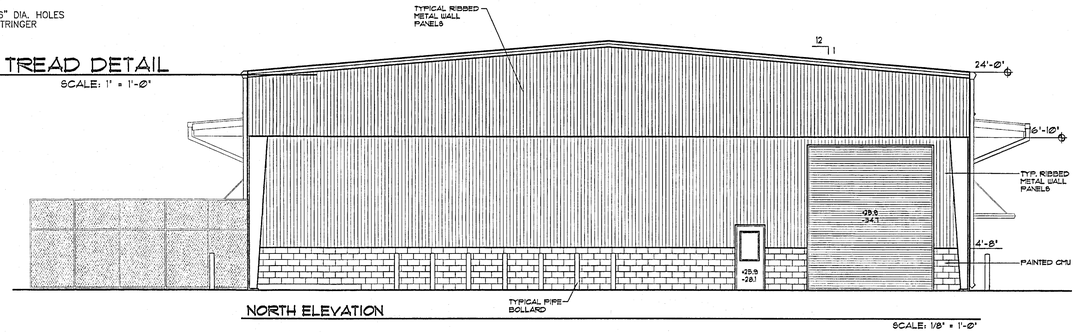
5 A-3 ALUMINUM STAIR TREAD DETAIL

SCALE: 3" = 1'-0"



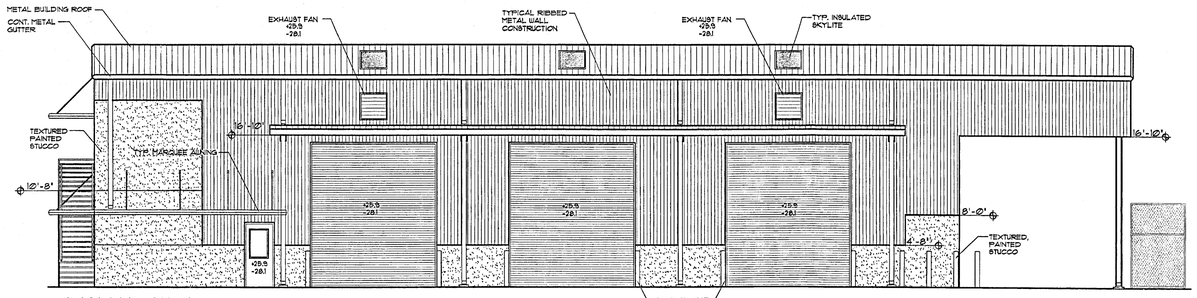
SOUTH ELEVATION

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



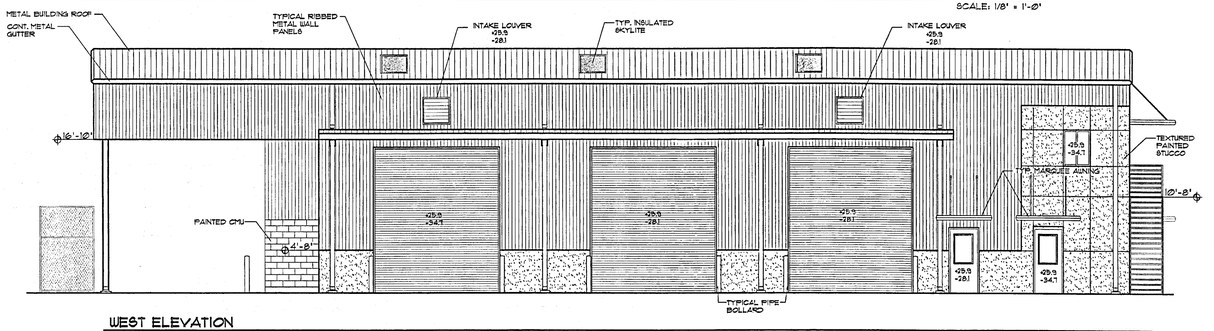
NORTH ELEVATION

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



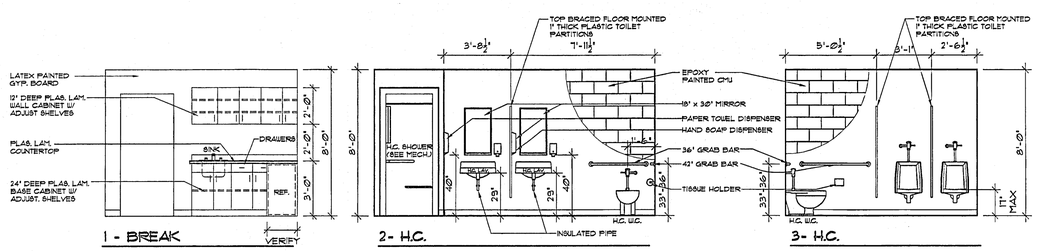
EAST ELEVATION

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



WEST ELEVATION

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



PROJ. NO. 2009.03
DRAWN J.A.C.
DATE 6/01/09
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DATE	BY

MAINTENANCE & STORAGE BUILDING
FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

JASON P. TRAMONTE
ARCHITECT
INC.
1625 SE 46TH STREET SUITE 2A CAPE CORAL, FLORIDA 33904
(239) 549-0997
AA 0002443

SHEET
A-3
OF 8 SHEETS

FILANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 AMENDMENTS, SECTION 1609 FOR 150 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

6-15-09

JASON P. TRAMONTE LIC. NO. AR0014455

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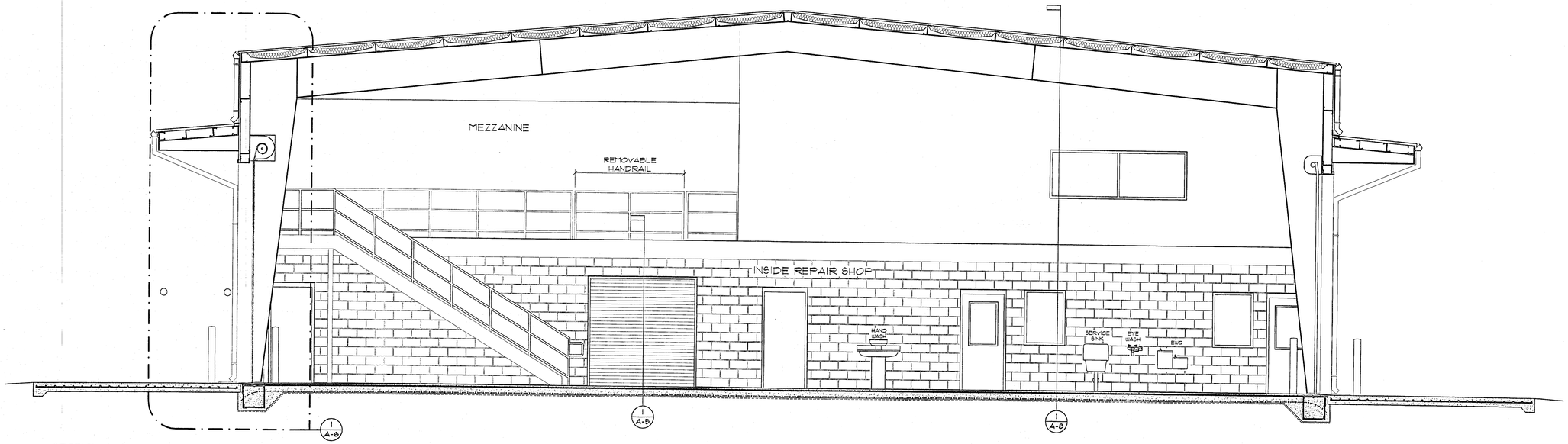
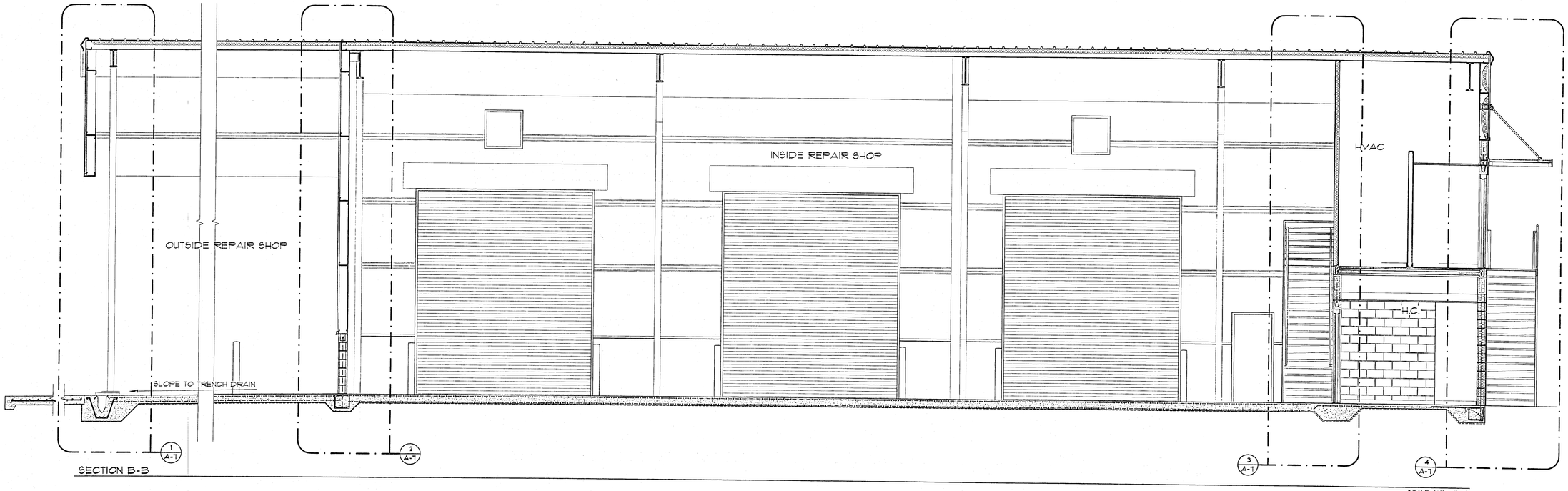
JUN 18 2009
SOUTH DISTRICT



SECTION A-A

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



SECTION B-B

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

PROJ. NO. 2009.03
DRAWN J.A.C.
DATE 6/01/09
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REVISIONS
DATE BY

MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

JASON P. TRAMONTE ARCHITECT INC.

1625 SE 46TH STREET SUITE 2A CAPE CORAL, FLORIDA 33904

(239) 549-0997

AA 0002443

FLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE 5TH 2008 AMENDMENTS, SECTION 1609 FOR 120 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

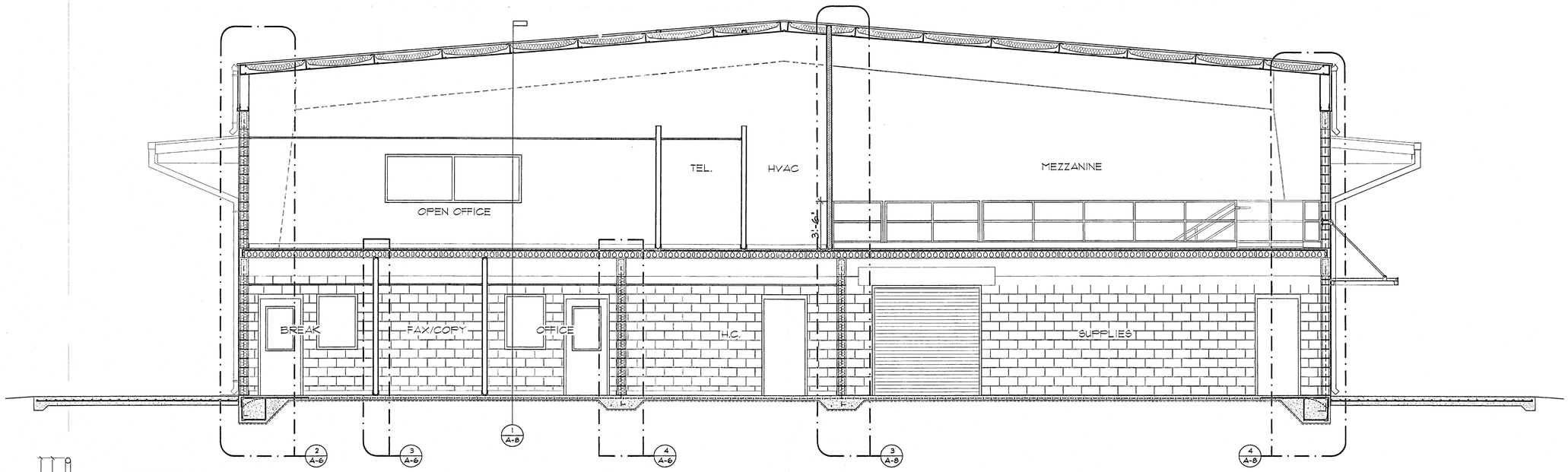
6.18.09

JASON P. TRAMONTE LIC. NO. AR0011455

SHEET A-4

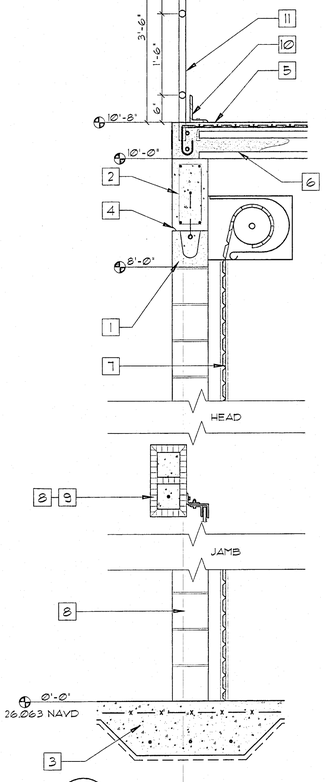
OF 8 SHEETS

RECEIVED - D.E.P. JUN 18 2009 SOUTH DISTRICT



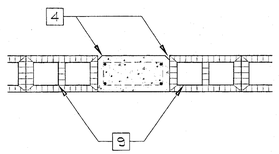
SECTION C-C

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



1 A-5 WALL SECTION

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

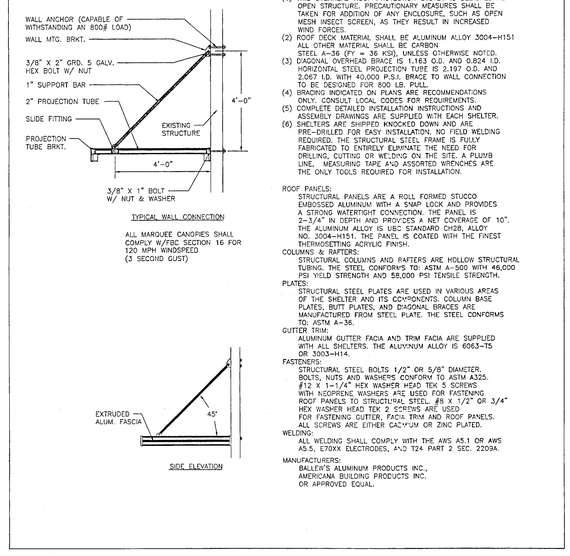


2 A-5 TYP. POURED COL

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

KEY NOTES

1. PRECAST CONC. LINTEL (SEE STRUCT.)
2. CONC. TIE BEAM (SEE STRUCT.)
3. REFER TO FOUNDATION PLAN.
4. CONT. 3/4" X 3/4" CHAMFHER (TYP. AT ALL EXPOSED CONC. TIE BEAMS)
5. 2" THICK CONC. TOPPING (SEE STRUCT.)
6. 6" PRECAST HOLLOW CORE CONCRETE PLANKS. (SEE STRUCT.)
7. DOOR MK (5)
8. 8" CMU W/#9 GAUGE HORIZONTAL WALL REINFORCEMENT EVERY OTHER CCURSE W/ TOOLED CONCAVED MORTAR JOINTS (SEE ROOM FINISH SCHEDULE)
9. 1 #5 @ 48" O.C. VERTICAL IN FULLY GROUTED CELL @ EACH SIDE OF OPENINGS & ALL WALL INTERSECTIONS (SEE FOUNDATION PLAN FOR SPACING) (SEE STRUCT.)
10. CONT. GALV. STEEL L 6"x4" L.L.V. TOE PLATE @ EDGE OF MEZZANINE ATTACHED TO SLAB W/ 1/2" EXP. BOLTS @ 24" O.C.
11. 1-1/2" DIA. PAINTED GALV. STEEL HANDRAIL @ POST



GENERAL NOTES

(1) THIS OVERHEAD ROOF PROTECTION SYSTEM IS DESIGNED AS OPEN STRUCTURE. PRECAUTIONARY MEASURES SHALL BE TAKEN FOR ADDITION OF ANY ENCLOSURE, SUCH AS OPEN MESH INSECT SCREEN, AS THEY RESULT IN INCREASED WIND FORCES.
(2) ROOF DECK MATERIAL SHALL BE ALUMINUM ALLOY 3004-H151 ALL OTHER MATERIAL SHALL BE CARBON STEEL A-36 (FY = 36 KSI), UNLESS OTHERWISE NOTED.
(3) DIAGONAL OVERHEAD BRACE IS 1.163 O.D. AND 0.824 I.D. HORIZONTAL STEEL PROJECTION TUBE IS 2.187 O.D. AND 2.067 I.D. WITH 40,000 P.S.I. BRACE TO WALL CONNECTION TO BE DESIGNED FOR 800 LB. PULL.
(4) BRACING INDICATED ON PLANS ARE RECOMMENDATIONS ONLY. CONSULT LOCAL CODES FOR REQUIREMENTS.
(5) COMPLETE DETAILED INSTALLATION INSTRUCTIONS AND ASSEMBLY DRAWINGS ARE SUPPLIED WITH EACH SHELTER.
(6) SHELTERS ARE SHIPPED KNOCKED DOWN AND ARE PRE-DRILLED FOR EASY INSTALLATION. NO FIELD WELDING REQUIRED. THE STRUCTURAL STEEL FRAME IS FULLY FABRICATED TO ENTIRELY ELIMINATE THE NEED FOR DRILLING, CUTTING OR WELDING ON THE SITE. A PLUMB LINE, MEASURING TAPE AND ASSORTED WRENCHES ARE THE ONLY TOOLS REQUIRED FOR INSTALLATION.

ROOF PANELS:
STRUCTURAL PANELS ARE A ROLL FORMED STUCCO EMBOSSED ALUMINUM WITH A SNAP LOCK AND PROVIDES A STRONG WATERTIGHT CONNECTION. THE PANEL IS 2-3/4" IN DEPTH AND PROVIDES A NET COVERAGE OF 10". THE ALUMINUM ALLOY IS UBC STANDARD CH2B, ALLOY NO. 3004-H151. THE PANEL IS COATED WITH THE FINEST THERMOSETTING ACRYLIC FINISH.
COLUMNS & RAFTERS:
STRUCTURAL COLUMNS AND RAFTERS ARE HOLLOW STRUCTURAL TUBING. THE STEEL CONFORMS TO: ASTM A-500 WITH 46,000 PSI YIELD STRENGTH AND 58,000 PSI TENSILE STRENGTH.
PLATES:
STRUCTURAL STEEL PLATES ARE USED IN VARIOUS AREAS OF THE SHELTER AND ITS COMPONENTS. COLUMN BASE PLATES, BUTT PLATES, AND DIAGONAL BRACES ARE MANUFACTURED FROM STEEL PLATE. THE STEEL CONFORMS TO: ASTM A-36.
GUTTER TRIM:
ALUMINUM GUTTER FACIA AND TRIM FACIA ARE SUPPLIED WITH ALL SHELTERS. THE ALUMINUM ALLOY IS 6063-T5 OR 3003-H14.
FASTENERS:
STRUCTURAL STEEL BOLTS 1/2" OR 5/8" DIAMETER. BOLTS, NUTS AND WASHERS CONFORM TO ASTM A325. #12 X 1-1/4" HEX WASHER HEAD TEK 5 SCREWS WITH NEOPRENE WASHERS ARE USED FOR FASTENING ROOF PANELS TO STRUCTURAL STEEL. #8 X 1/2" OR 3/4" HEX WASHER HEAD TEK 2 SCREWS ARE USED FOR FASTENING GUTTER, FACIA TRIM AND ROOF PANELS. ALL SCREWS ARE EITHER CADMIUM OR ZINC PLATED.
WELDING:
ALL WELDING SHALL COMPLY WITH THE AWS A5.1 OR AWS A5.5, E70XX ELECTRODES, AND 124 PART 2 SEC. 2209A.
MANUFACTURERS:
BALLEW'S ALUMINUM PRODUCTS INC., AMERICANA BUILDING PRODUCTS INC. OR APPROVED EQUAL.

3 A-5 TYP. POURED COL

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

PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2008 AMENDMENTS, SECTION 1609 FOR 120 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

JASON P. TRAMONTE — LIC. NO. AR0011455

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DATE	BY

MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

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AA 0002443
(239) 549-0997

SHEET

A-5

OF 8 SHEETS

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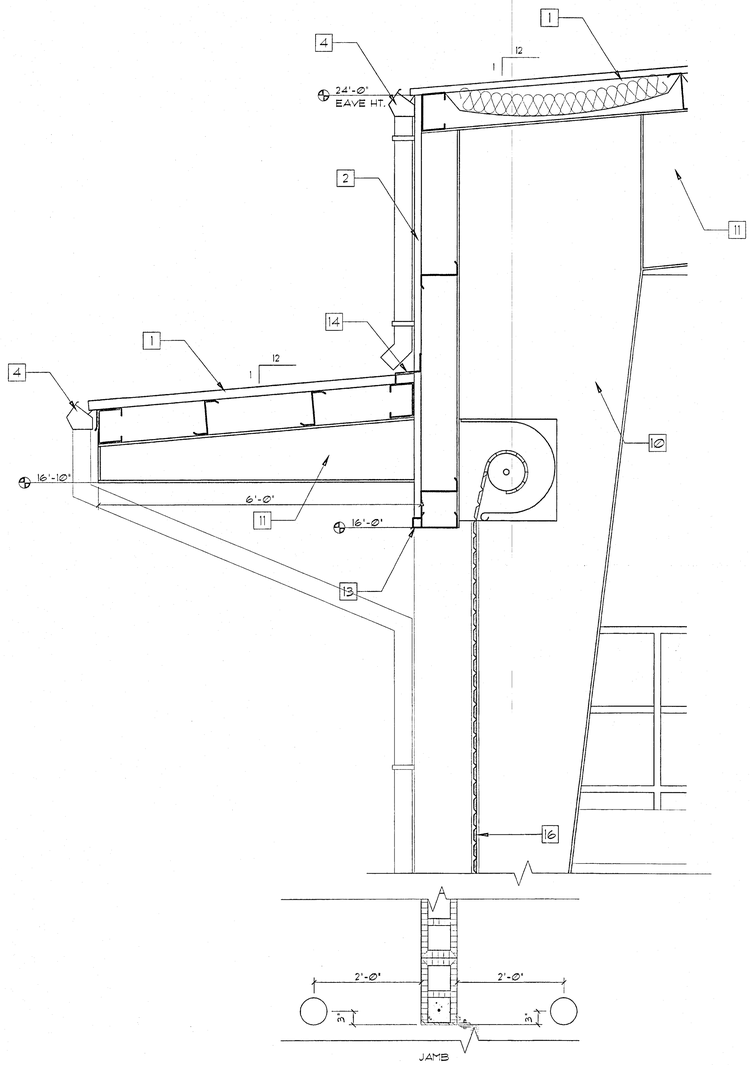
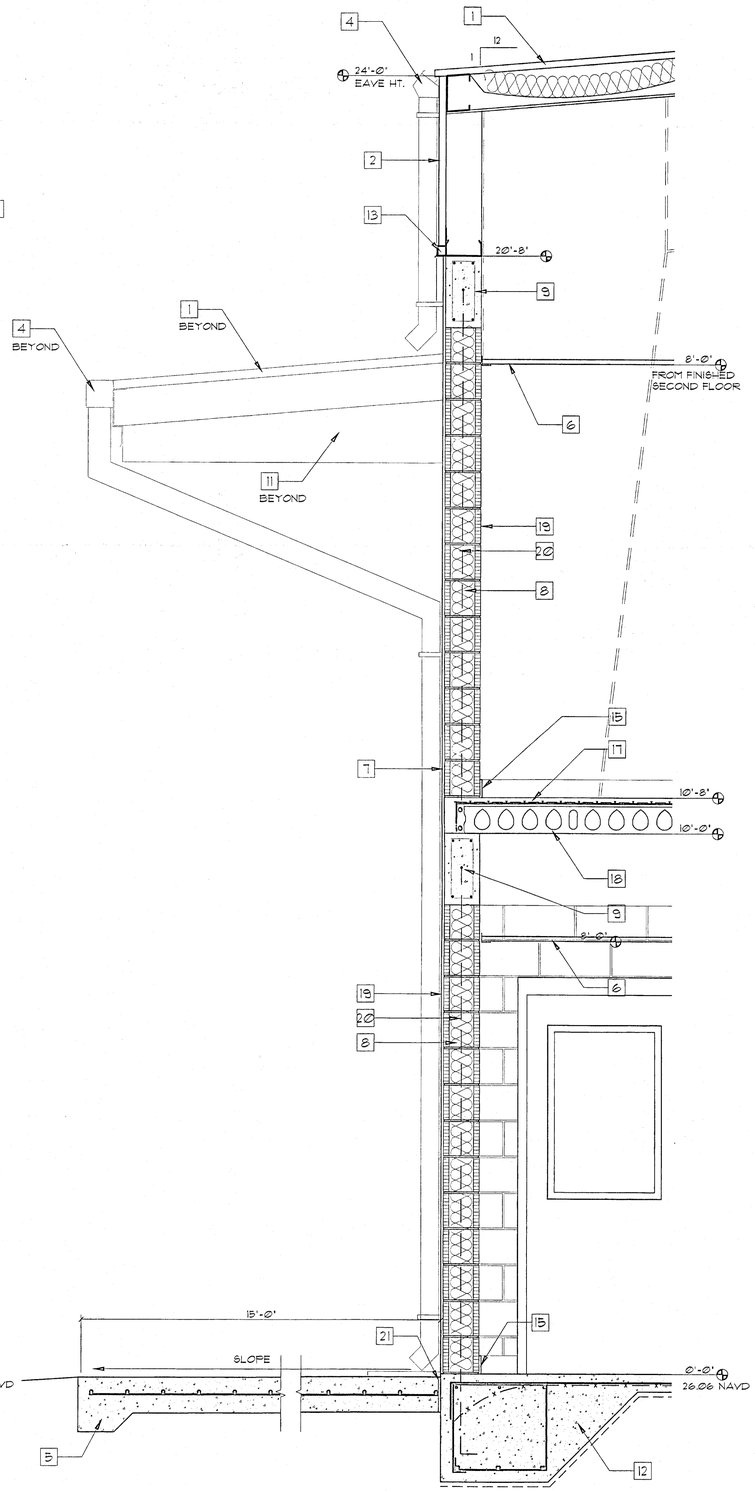
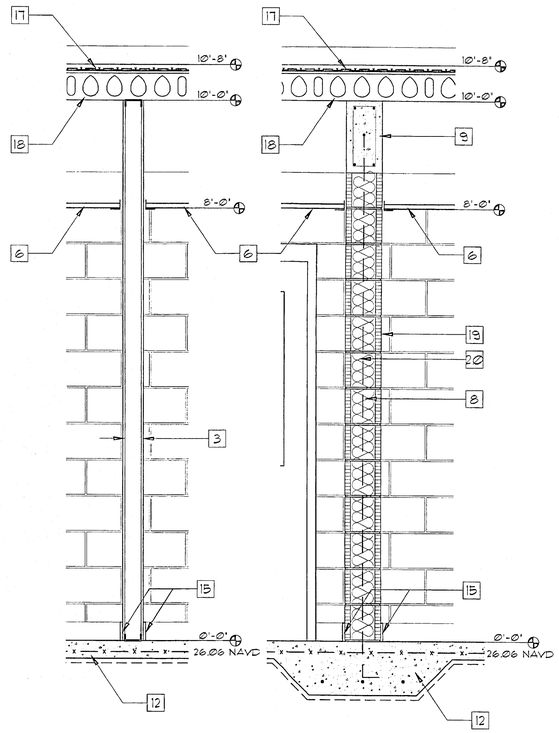
JUN 13 2009
SOUTH DISTRICT







KEY NOTES

1. TYPICAL METAL BUILDING ROOF CONSTRUCTION
   24 GAGE GALVALUME STEEL ROOF PANELS W/3" VINYL BACKED INSULATION BLANKET ON 8" STEEL PURLINS ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
2. TYPICAL METAL WALL CONSTRUCTION
   26 GAGE - OWNER SELECT COLOR STEEL WALL PANEL ON 8" STEEL GIRTS, ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION
3. 1/2" PAINTED GYP. BOARD ON BOTH SIDES OF 3-5/8" METAL STUDS @ 16" O.C.
4. TYPICAL CONTINUOUS GUTTER CONSTRUCTION
   CONTINUOUS 24 GAGE - OWNER SELECT COLOR, GUTTER WITH DOWN SPOUTS AND CONCRETE SPLASH BLOCKS AS LOCATED ON ELEVATIONS. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
5. TE-1 (SEE STRUCT.
6. DROP CEILING CONSTRUCTION
   USG SHEETROCK BRAND GYPSUM LAY-IN PANELS CLIMAPLUS WHITE VINYL STIPPLE PATTERN 24"x24"x1/2" SQUARE CUT LAY-IN DONN 15/16" PRELUDE EXPOSED TEE GRID OR ARCHITECT APPROVED EQUAL.
7. 1/2" MINIMUM PAINTED, LIGHT SKIP TROWEL STUCCO VENEER W/ CONTROL JOINTS AS REQUIRED.
8. COREFILL 500 OR EQUAL FOAM IN ALL OPEN CELLS OF CMU
9. CONC. TIE BEAM (SEE STRUCT.)
10. RIGID STEEL COLUMN - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
11. RIGID STEEL FRAME - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
12. REFER TO FOUNDATION PLAN.
13. CONT. METAL FLASHING - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
14. CONT. METAL FLASHING & COUNTERFLASHING - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
15. BASE (SEE ROOM FINISH SCHEDULE)
16. DOOR MK (6)
17. 2" THICK CONC. TOPPING (SEE STRUCT.)
18. 6" PRECAST HOLLOW CORE CONCRETE PLANKS. (SEE STRUCT.)
19. 8" CMU W/#9 GAUGE HORIZONTAL WALL REINFORCEMENT EVERY OTHER COURSE W/ TOOLED CONCAVED MORTAR JOINTS AT ALL EXPOSED CMU (SEE ROOM FINISH SCHEDULE)
20. 1 #5 @ 48" OC. VERTICAL IN FULLY GROUTED CELL @ EACH SIDE OF OPENINGS & ALL WALL INTERSECTIONS (SEE FOUNDATION PLAN FOR SPACING) (SEE STRUCT.)
21. 1/2" FIBER EXP. JOINT

PROJ. NO. 2009.03
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MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

JASON P. TRAMONTE
ARCHITECT
INC.
1625 SE 46TH STREET SUITE 2A CAPE CORAL, FLORIDA 33904
(239) 549-0997
AA 0002443

1/A-6 WALL SECTION
SCALE: 3/4" = 1'-0"

2/A-6 WALL SECTION
SCALE: 3/4" = 1'-0"

3/A-6 WALL SECTION
SCALE: 3/4" = 1'-0"

4/A-6 WALL SECTION
SCALE: 3/4" = 1'-0"

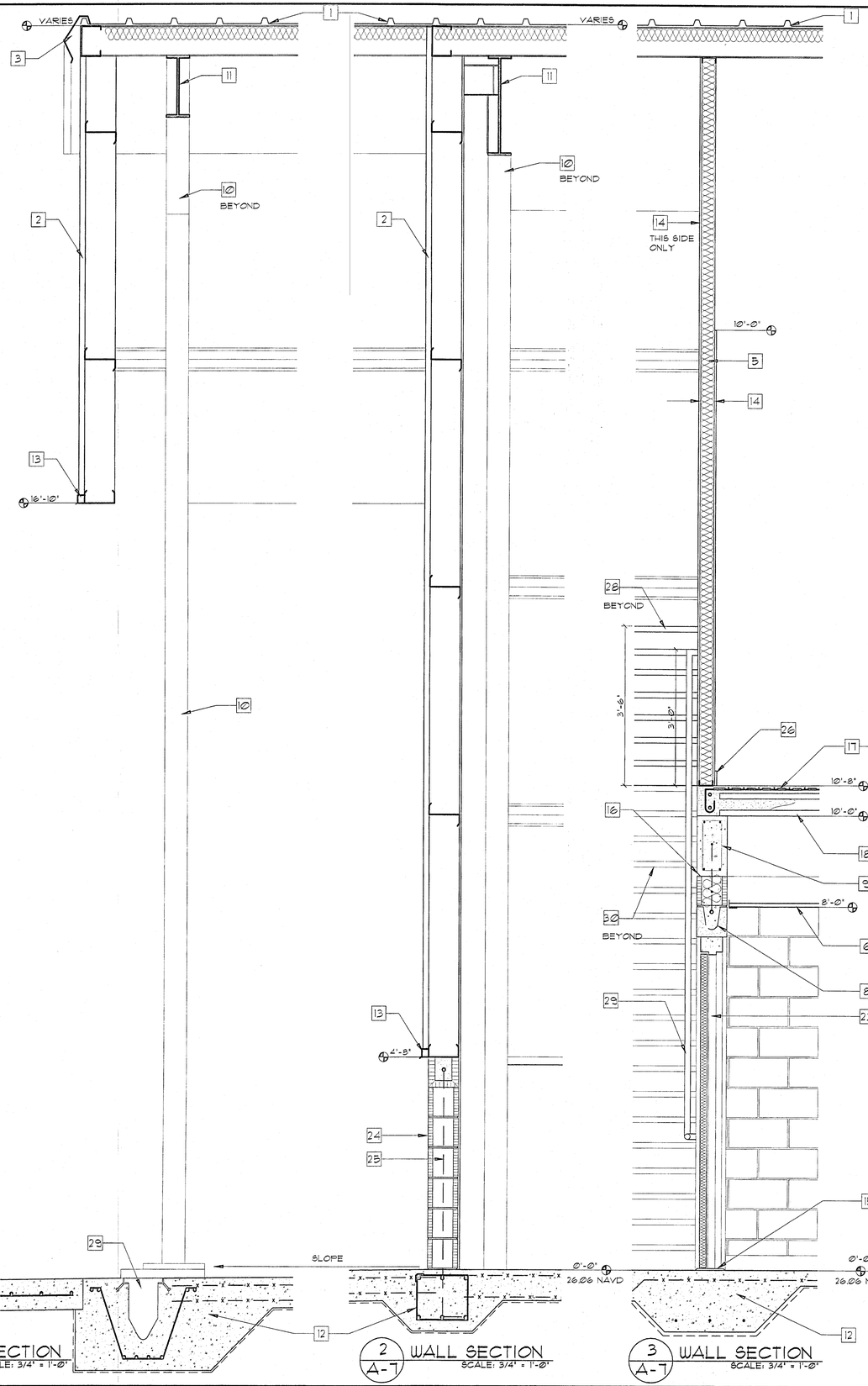
PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS, SECTION 1609 FOR 120 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

6/18/09

JASON P. TRAMONTE LIC. NO. AR0011455

SHEET
A-6
OF 8 SHEETS

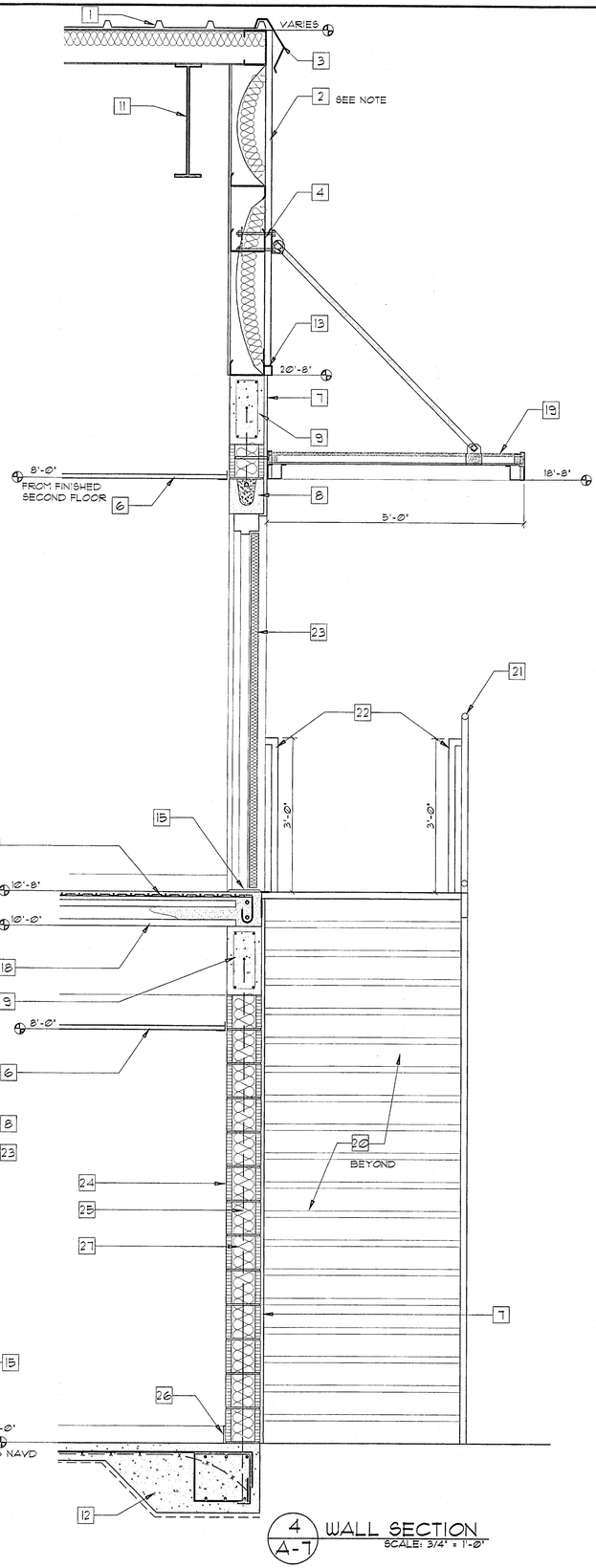
RECEIVED DEP
JUN 13 2009
SOUTH DISTRICT



1 A-7 WALL SECTION
SCALE: 3/4" = 1'-0"

2 A-7 WALL SECTION
SCALE: 3/4" = 1'-0"

3 A-7 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A-7 WALL SECTION
SCALE: 3/4" = 1'-0"

KEY NOTES

1. TYPICAL METAL BUILDING ROOF CONSTRUCTION
   24 GAGE GALVALUME STEEL ROOF PANELS W/3" VINYL BACKED INSULATION BLANKET ON 8" STEEL PURLINS ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
2. TYPICAL METAL WALL CONSTRUCTION
   26 GAGE - OWNER SELECT COLOR STEEL WALL PANEL ON 8" STEEL GIRTS, ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION. NOTE: PROVIDE 3" VINYL BACK INSULATION ABOVE EXTERIOR CMU WALL.
3. CONT. METAL EAVE FLASHING - REFER TO METAL BUILDING SHOP DRAWINGS.
4. ADD PRE-ENGINEERED METAL BUILDING STRUCTURE AT MARQUEE CANOPY CONNECTION AS REQUIRED.
5. R-13 BATT INSULATION
6. DROP CEILING CONSTRUCTION
   USG SHEETROCK BRAND GYPSUM LAY-IN PANELS CLIMAPLUS WHITE VINYL STIPPLE PATTERN 24"x24"x1/2" SQUARE CUT LAY-IN DONN 15/16" PRELUDE EXPOSED TEE GRID OR ARCHITECT APPROVED EQUAL.
7. 1/2" MINIMUM PAINTED, LIGHT SKIP TROWEL STUCCO VENEER.
8. PRECAST CONC. LINTEL (SEE STRUCT.)
9. CONC. TIE BEAM (SEE STRUCT.)
10. RIGID STEEL COLUMN - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
11. RIGID STEEL FRAME - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
12. REFER TO FOUNDATION PLAN.
13. CONT. METAL FLASHING - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
14. 1/2" PAINTED GYP. BOARD ON BOTH SIDES OF 3-5/8" 18 GA METAL STUDS @ 16" O.C.
15. ADA APPROVED THRESHOLD
16. CONT. 3/4" X 3/4" CHAMPHER (TYP. AT ALL EXPOSED CONC. TIE BEAMS)
17. 2" THICK CONC. TOPPING (SEE STRUCT.)
18. 6" PRECAST HOLLOW CORE CONCRETE PLANKS. (SEE STRUCT.)
19. MARQUEE METAL BUILDING CANOPY (SEE SHEET A-5 FOR INFO.)
20. PRE-ENGINEERED ALUMINUM STAIR (SEE SHEET A-3 FOR INFO.)
21. GUARDRAIL W/1-1/4" SCH 80 ALUM. PIPE TOP AND POSTS, 1-1/4" SCH 40 ALUM PIPE BOTTOM & 3/4"SQ ALUM TUBE PICKETS
22. 1-1/2" OD ALUMINUM TUBE HANDRAIL W/ 1/2" ROD AND GUSSET SUPPORTS
23. DOOR MK (2)
24. 8" CMU W/#9 GAUGE HORIZONTAL WALL REINFORCEMENT EVERY OTHER COURSE W/ TOOLED CONCAVED MORTAR JOINTS (SEE ROOM FINISH SCHEDULE)
25. 1 "S" @ 48" O.C. VERTICAL IN FULLY GROUTED CELL @ EACH SIDE OF OPENINGS & ALL WALL INTERSECTIONS (SEE FOUNDATION PLAN FOR SPACING) (SEE STRUCT.)
26. BASE (SEE ROOM FINISH SCHEDULE)
27. CORFILL 500 OR EQUAL FOAM IN ALL OPEN CELLS OF CMU
28. GUARDRAIL W/1-1/2" STEEL PIPE TOP AND POSTS @1-1/4" STEEL PIPE BOTTOM & INTERMEDIATE.
29. 1-1/2" OD STEEL TUBE HANDRAIL W/ 1/2" ROD AND GUSSET SUPPORTS
30. PRE-ENGINEERED STEEL STAIR (SEE SHEET A-3 FOR INFO.)

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MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

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(239) 549-0997 AA 0002443

FLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 AMENDMENTS, SECTION 1609 FOR 130 MPH 3ND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

6-18-09

JASON P. TRAMONTE LIC. NO. AR0011455

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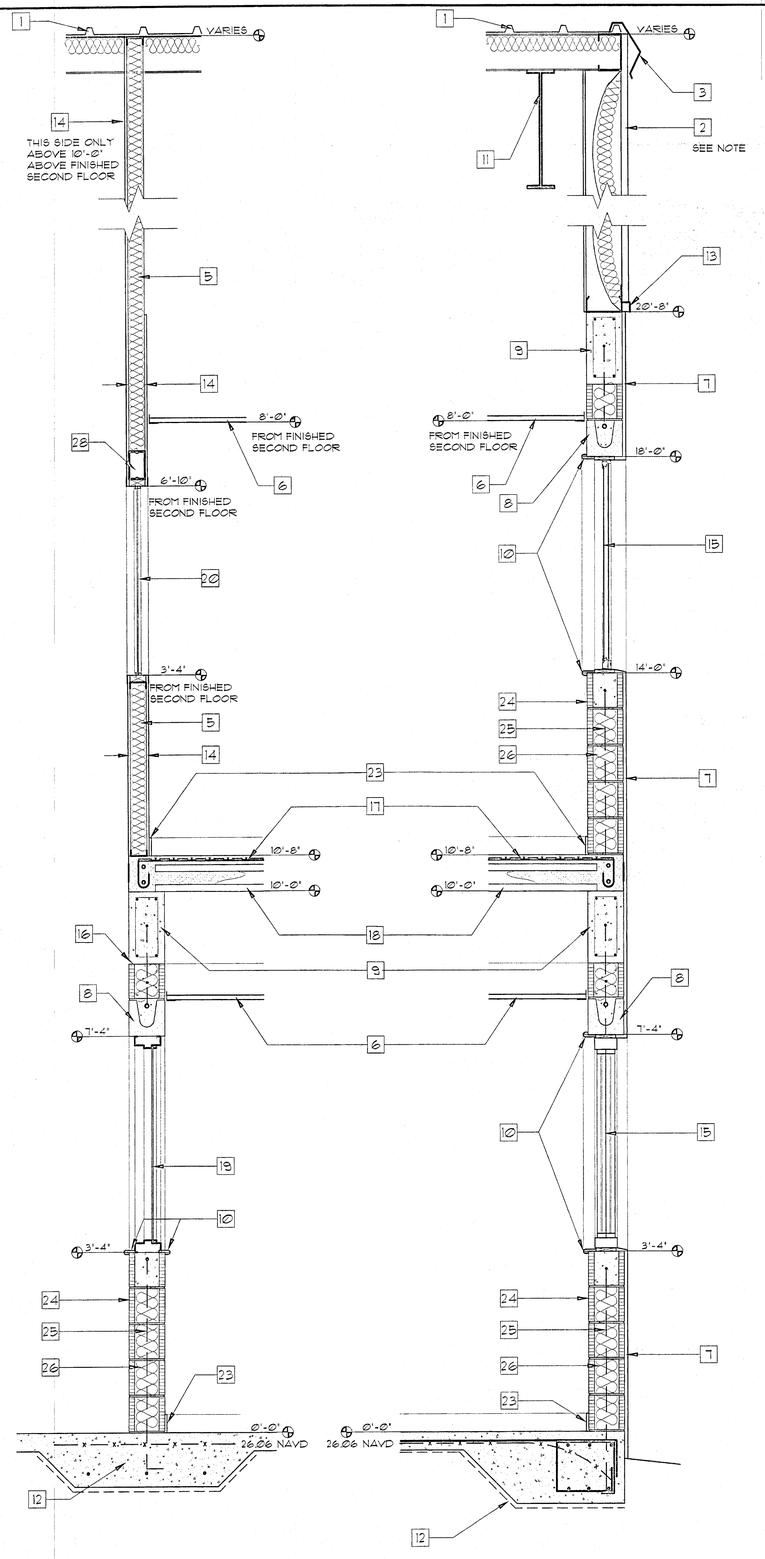
JUN 19 2009
SOUTH DISTRICT

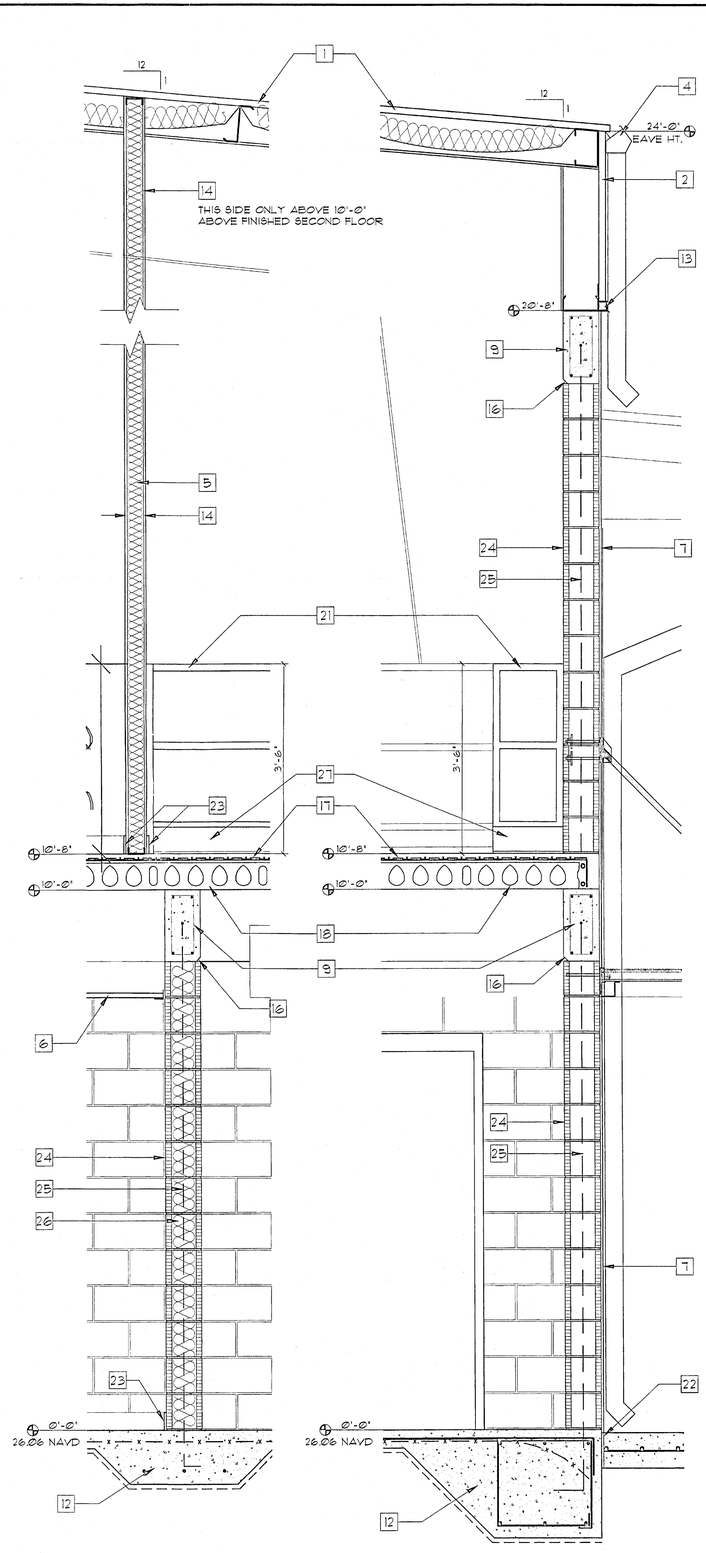
SHEET A-7

OF 8 SHEETS



1 A-8 WALL SECTION
SCALE: 3/4" = 1'-0"

2 A-8 WALL SECTION
SCALE: 3/4" = 1'-0"



3 A-8 WALL SECTION
SCALE: 3/4" = 1'-0"

4 A-8 WALL SECTION
SCALE: 3/4" = 1'-0"

KEY NOTES

1. TYPICAL METAL BUILDING ROOF CONSTRUCTION
   24 GAGE GALVALUME STEEL ROOF PANELS W/3" VINYL BACKED INSULATION BLANKET ON 8" STEEL PURLINS ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
2. TYPICAL METAL WALL CONSTRUCTION
   26 GAGE - OWNER SELECT COLOR STEEL WALL PANEL ON 8" STEEL GIRTS, ON RIGID STEEL FRAMES. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION. NOTE: PROVIDE 3" VINYL BACK INSULATION ABOVE EXTERIOR CMU WALL.
3. CONT. METAL EAVE FLASHING - REFER TO METAL BUILDING SHOP DRAWINGS.
4. TYPICAL CONTINUOUS GUTTER CONSTRUCTION
   CONTINUOUS 24 GAGE - OWNER SELECT COLOR GUTTER WITH DOWN SPOUTS AND CONCRETE SPLASH BLOCKS AS LOCATED ON ELEVATIONS. REFER TO METAL BUILDING SHOP DRAWINGS FOR ADDITIONAL INFORMATION.
5. R-13 BATT INSULATION
6. DROP CEILING CONSTRUCTION
   USG SHEETROCK BRAND GYPSUM LAY-IN PANELS CLIMAPLUS WHITE VINYL STIPPLE PATTERN 24"x24"x1/2" SQUARE CUT LAY-IN DONN 15/16" PRELUDE EXPOSED TEE GRID OR ARCHITECT APPROVED EQUAL.
7. 1/2" MINIMUM PAINTED, LIGHT SKIP TROWEL STUCCO VENEER.
8. PRECAST CONC. LINTEL (SEE STRUCT.)
9. CONC. TIE BEAM (SEE STRUCT.)
10. SILTECH 100% ACRYLIC SOLID SURFACE WINDOWSILLS & TRIM, TYPE "F" OR ARCHITECT APPROVED EQUAL.
11. RIGID STEEL FRAME - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
12. REFER TO FOUNDATION PLAN.
13. CONT. METAL FLASHING - REFER TO PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS.
14. 1/2" PAINTED GYP. BOARD ON BOTH SIDES OF 3-5/8" 18 GA METAL STUDS @ 16" O.C.
15. WINDOW MK (A)
16. CONT. 3/4" X 3/4" CHAMPHER (TYP. AT ALL EXPOSED CONC. TIE BEAMS)
17. 2" THICK CONC. TOPPING (SEE STRUCT.)
18. 6" PRECAST HOLLOW CORE CONCRETE PLANKS. (SEE STRUCT.)
19. WINDOW MK (B)
20. WINDOW MK (C)
21. 1-1/2" DIA. GALV. STEEL HANDRAIL & POST
22. 1/2" FIBER EXP. JOINT
23. BASE (SEE ROOM FINISH SCHEDULE)
24. 8" CMU W/#9 GAUGE HORIZONTAL WALL REINFORCEMENT EVERY OTHER COURSE W/ TOOLED CONCAVED MORTAR JOINTS (SEE ROOM FINISH SCHEDULE)
25. #5 @ 48" O.C. VERTICAL IN FULLY GROUTED CELL & EACH SIDE OF OPENINGS & ALL WALL INTERSECTIONS (SEE FOUNDATION PLAN FOR SPACING) (SEE STRUCT.)
26. COREFILL 500 OR EQUAL FOAM IN ALL OPEN CELLS OF CMU
27. CONT. GALV. STEEL L 6"x4" L.L.V. TOE PLATE @ EDGE OF MEZZANINE ATTACHED TO SLAB W/ 1/2" EXP. BOLTS @ 24" O.C.
28. 6" METAL STUD BOX BEAM (SEE STRUCT.)

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REVISIONS

DATE	BY

MAINTENANCE & STORAGE BUILDING FOR THE WASTE TO ENERGY FACILITY SITE

LEE COUNTY, FLORIDA

JASON P. TRAMONTE ARCHITECT, INC.
1625 SE 46TH STREET SUITE 2A CAPE CORAL, FLORIDA 33904
(239) 549-0997 AA 0002443

SHEET
A-8
OF 8 SHEETS

PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 AMENDMENTS, SECTION 1609 FOR 120 MPH WIND SPEED AND THE FLORIDA FIRE PREVENTION CODE 2007.

JASON P. TRAMONTE 6.15.09 LIC. NO. AR-0001455

RECEIVED - DEP
JUN 19 2009
SOUTH DISTRICT