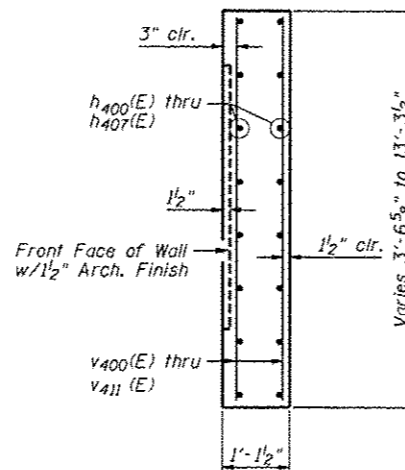
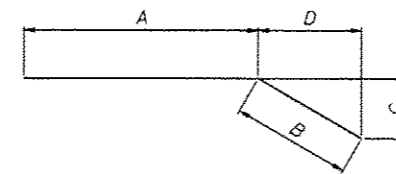


CUTTING DIAGRAM

Bar	A	B	C	D
v400(E)	4'-4"	5'-8"	10'-0"	16
v401(E)	5'-8"	8'-1"	13'-9"	26
v402(E)	8'-1"	10'-6"	18'-7"	26
v403(E)	10'-6"	13'-0"	23'-6"	27
v404(E)	13'-0"	11'-7"	24'-7"	27
v405(E)	11'-7"	10'-3"	21'-10"	27
v406(E)	10'-3"	9'-1"	19'-4"	27
v407(E)	9'-1"	7'-11"	17'-0"	27
v408(E)	7'-11"	6'-9"	14'-8"	27
v409(E)	6'-9"	5'-7"	12'-4"	27
v410(E)	5'-7"	4'-5"	10'-0"	27
v411(E)	4'-5"	3'-3"	7'-8"	27



SECTION THRU CONCRETE FACING



h400(E), h401(E), h404(E) & h405(E) BARS

BAR BEND TABLE

Bar	A	B	C	D
h400(E)	14'-5"	3'-10"	1'-10"	3'-4"
h401(E)	14'-8"	3'-10"	1'-10"	3'-4"
h404(E)	25'-5"	3'-10"	2'-1"	3'-2 1/2"
h405(E)	25'-8"	3'-10"	2'-1"	3'-2 1/2"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h400(E)	8	#5	18'-3"	—
h401(E)	8	#5	18'-6"	—
h402(E)	30	#5	29'-0"	—
h403(E)	30	#5	24'-8"	—
h404(E)	17	#5	29'-3"	—
h405(E)	17	#5	29'-6"	—
h406(E)	130	#5	30'-0"	—
h407(E)	82	#5	26'-0"	—
v400(E)	30	#5	10'-0"	—
v401(E)	26	#5	13'-9"	—
v402(E)	26	#5	18'-7"	—
v403(E)	27	#5	23'-6"	—
v404(E)	27	#5	24'-7"	—
v405(E)	27	#5	21'-10"	—
v406(E)	27	#5	19'-4"	—
v407(E)	27	#5	17'-0"	—
v408(E)	27	#5	14'-8"	—
v409(E)	27	#5	12'-4"	—
v410(E)	27	#5	10'-0"	—
v411(E)	27	#5	7'-8"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	105.8		
Reinforcement Bars, Epoxy Coated	Pound	14,760		
Pipe Underdrains for Structures, 4"	Foot	300		
Geocomposite Wall Drain	Sq. Yd.	137		

FILE NAME: \\N6131-W066-022-Exec\Fernando\h4dgn

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

USER NAME = SAW
PLOT SCALE = 8,0000 / IN.
PLOT DATE = 12/12/2012

DESIGNED - LAS
CHECKED - DAZ
DRAWN - SAW
CHECKED - JLA

REVISED 12/17/2012 L.A.S.
REVISED
REVISED
REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE FACING DETAILS
STRUCTURE NUMBER 022-W066**

SHEET NO. SE-8 OF SE-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/1L 59	(112 & 113) WRS-5	DUPAGE	963	680
CONTRACT NO. 60131				
ILLINOIS FED. AID PROJECT				