

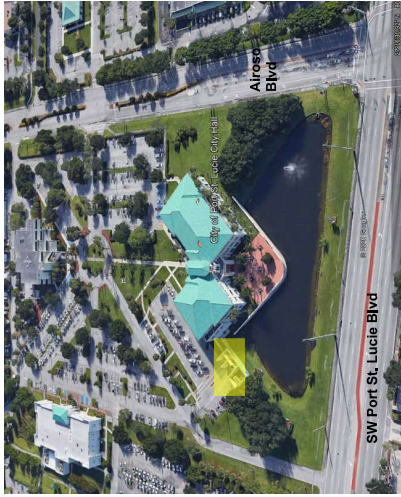
REVISIONS

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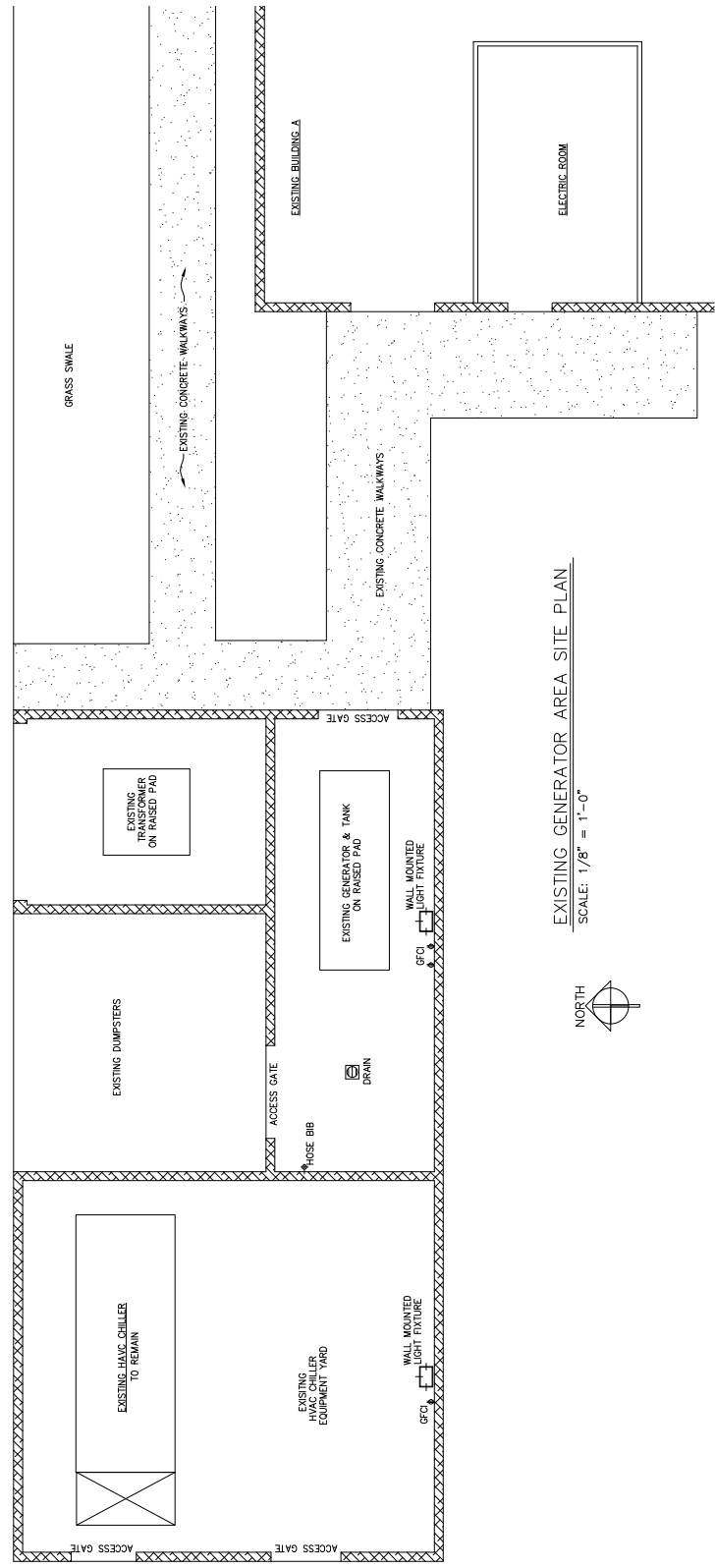
REPLACEMENT GENERATOR & ENCLOSURE
CITY HALL COMPLEX BUILDING A
121 SW PORT ST. LUCIE BLVD.
PORT ST. LUCIE, FL 34984

DATE	10 SEP 2020
BY	JW/J
SCALE	AS NOTED
PROJECT NO.	2020-PSL-03
SHEET	A-1
SHEET 1 OF 2 SHEETS	



SCOPE OF WORK:
REPLACE EXISTING GENERATOR AT
BUILDING A CITY HALL COMPLEX
WITH NEW 1500kW GENSET AND
RELATED WORK IN THE ENCLOSURE YARD

LIST OF DRAWINGS	
ARCHITECTURAL & STRUCTURAL	MEP ENGINEERING
A-1 EXISTING GENERATOR AREA PLAN	E-001 GENERAL NOTES
A-2 PROPOSED NEW GENERATOR AREA PLAN	E-002 GENERATOR & TRANSFER SWITCH NOTES
A-3 DEMOLITION PLANS	E-003 MANUAL TRANSFER SWITCH
A-4 ELEVATIONS & MISCELLANEOUS DETAILS	E-004 ENGINE GENERATOR SPECS
S-1 FOUNDATION PLAN & DETAILS	E-005 POWER SYSTEM SPECS
S-2 WALL SECTIONS & DETAILS	E-006 POWER SYSTEM SPECS CONTINUED
SCOPE OF WORK SPECIFICATION PAGES (ATTACHED 8 1/2 x11)	E-100 ELECTRICAL FLOOR PLAN & RISER DIAGRAM
SURVEY BY VELCON ENGINEERING	E-500 KOHLER SIZING REPORT
	E-501 KOHLER SIZING REPORT CONTINUED
	ED-100 ELECTRICAL DEMOLITION PLAN
	M-001 MECHANICAL NOTES
	M-002 MECHANICAL SPECIFICATIONS
	M-003 GENERAL CONDITIONS
	M-100 MECHANICAL PLAN NEW/EXISTING
	M-101 MECHANICAL PLAN SECOND FLOOR
	ME-100 MECH. & ELEC. SLAB OPENING PLAN
	M-501 CHILLER DIAGRAM & PIPING DETAILS
	MD-100 MECHANICAL DEMOLITION PLAN
BUILDING CODE DATA: FLORIDA BUILDING CODE 2017 (6TH EDITION)	
CONSULTING ENGINEERS: BEED ENGINEERING, INC. PMD ENGINEERING	



EXISTING GENERATOR AREA SITE PLAN
SCALE: 1/8" = 1'-0"

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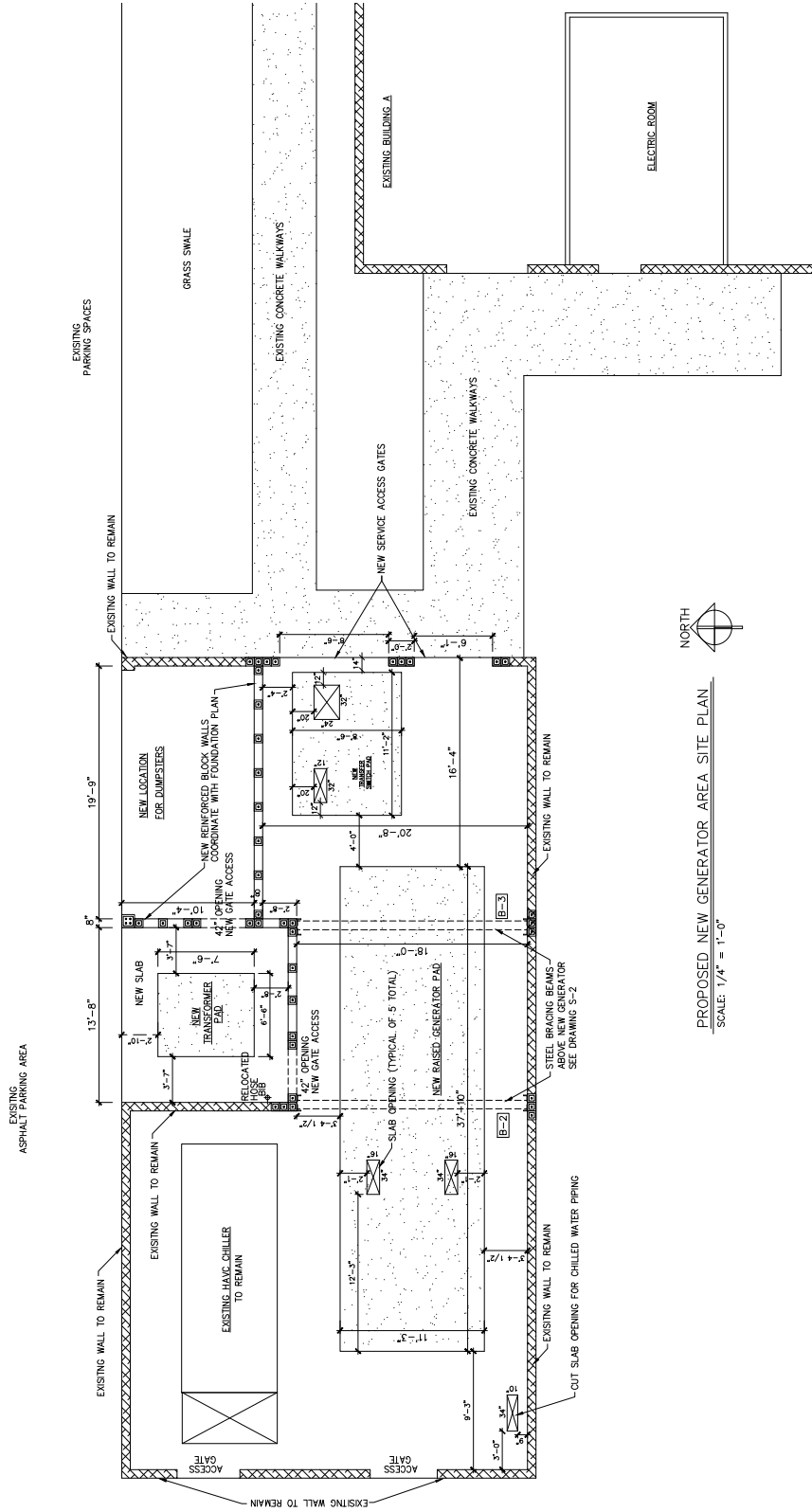
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DESIGNED BY	JW/JJ
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SHEET	A-2
SHEET 1 OF 2 SHEETS	

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PROPOSED NEW GENERATOR AREA SITE PLAN
 SCALE: 1/4" = 1'-0"

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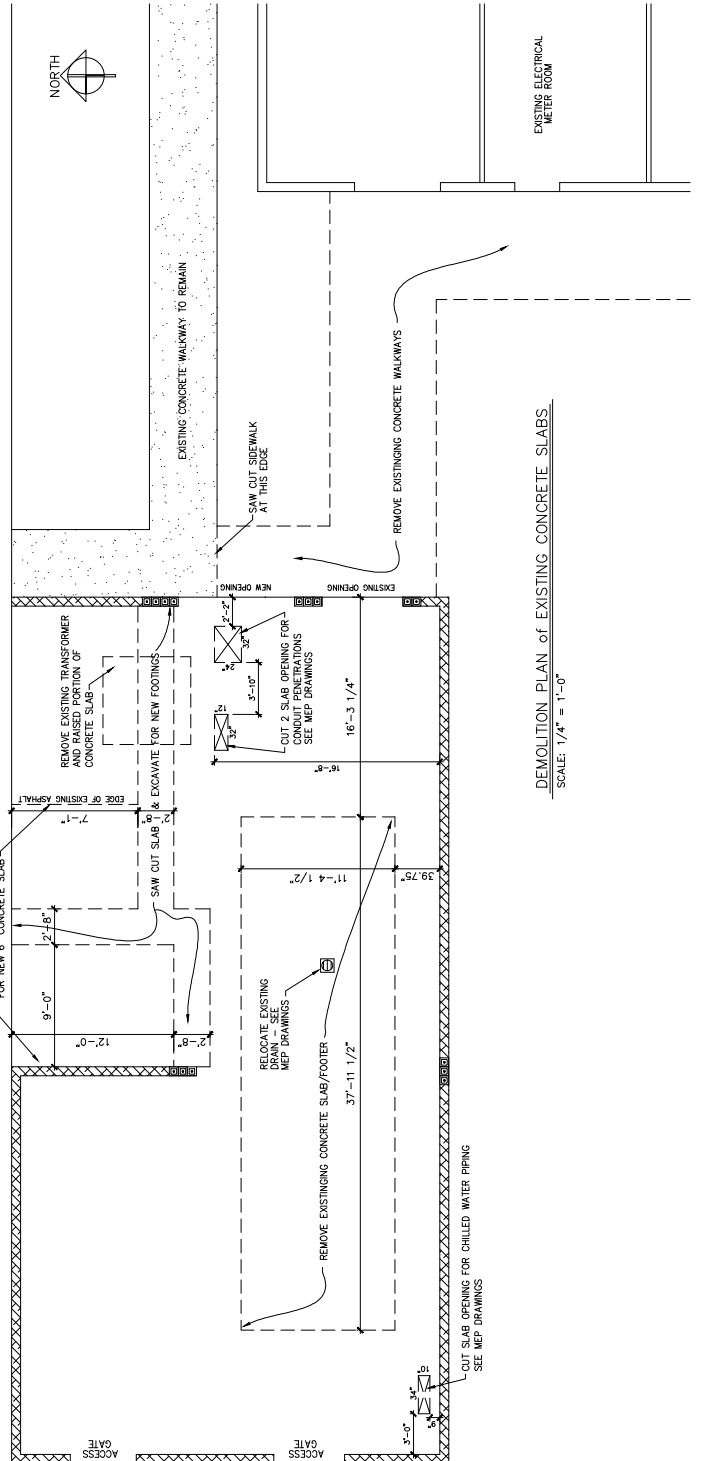
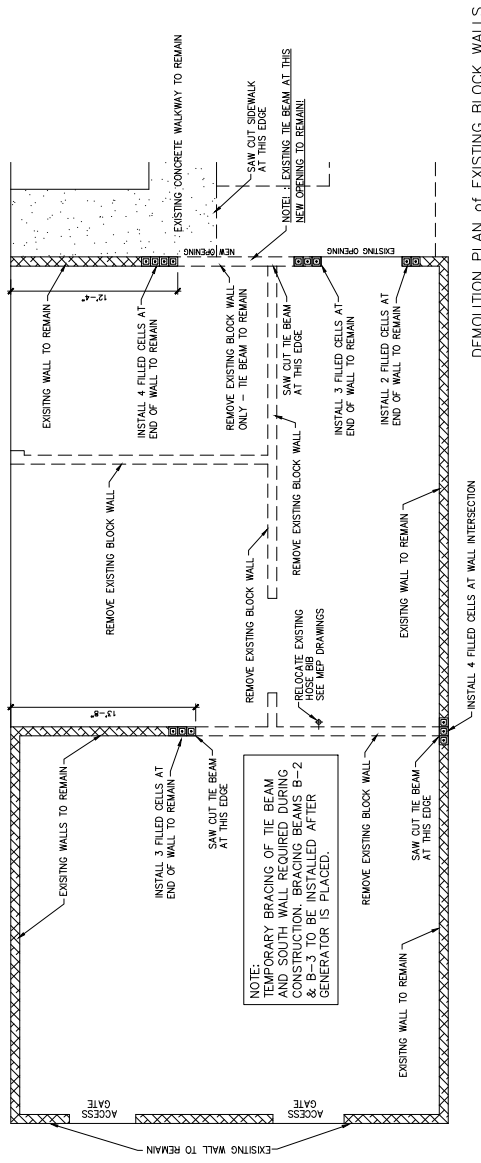
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DATE	10 SEP 2020
BY	JW/JL/AM
DATE	
SCALE	AS NOTED
PROJECT NO.	2020-PSL-103
SHEET	A-3
SHEET 1 OF 2 SHEETS	

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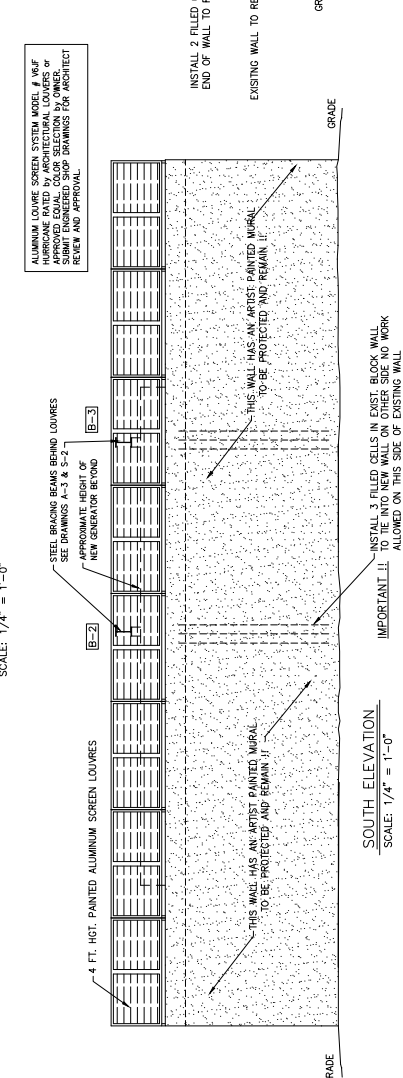
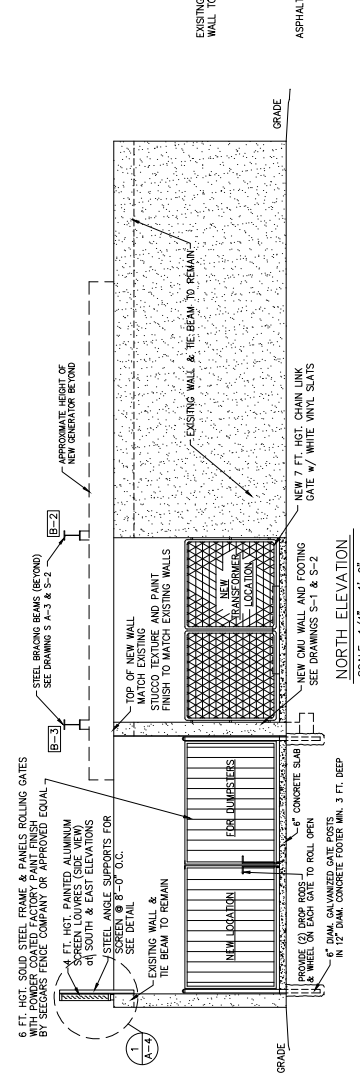
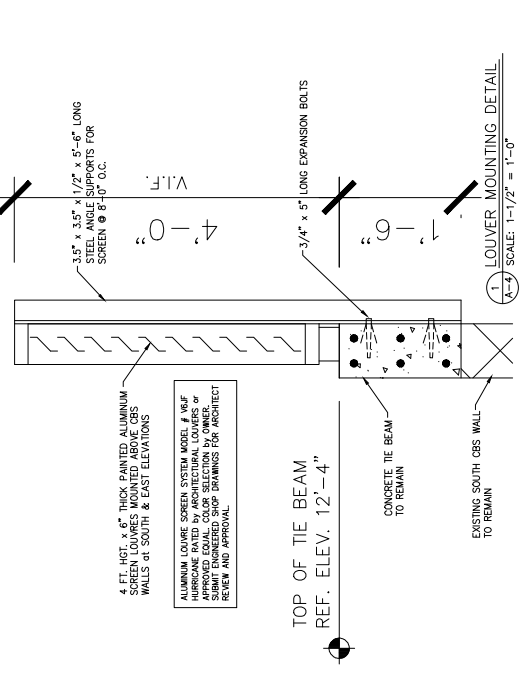
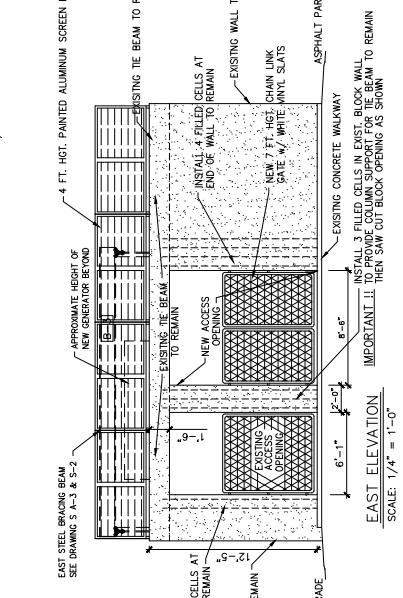
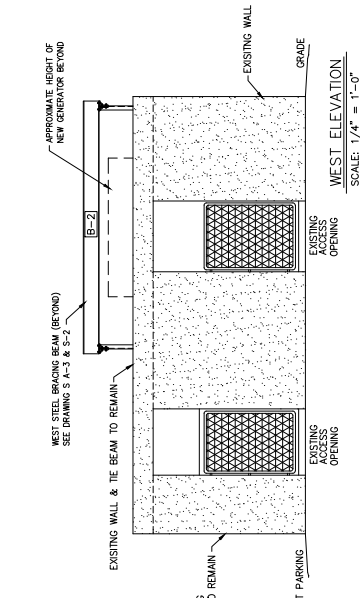
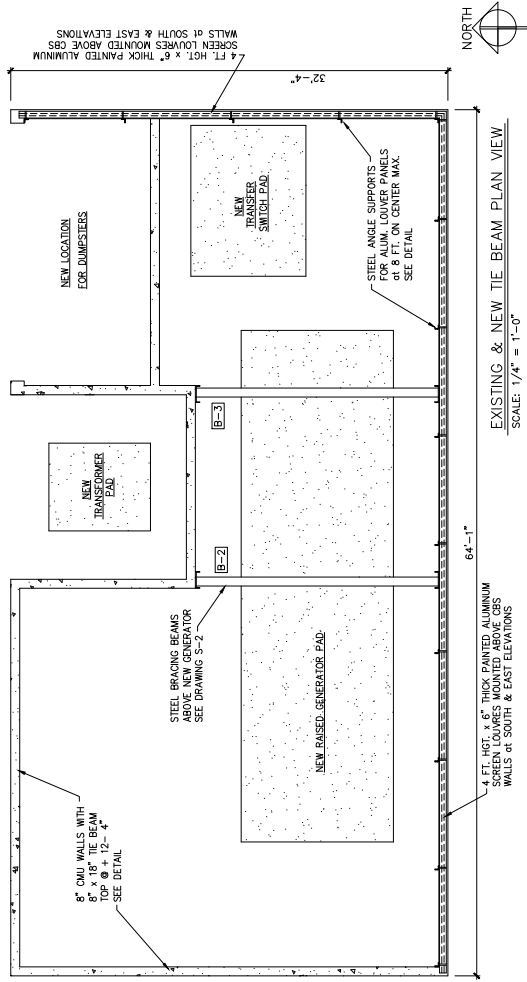
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DRY / W / J	J
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SHEET	A-4
SHEET 1 of 4 SHEETS	

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4 FT. HGT. x 6\"

3.5\" x 3.5\" x 1/2\" x 5'-6\" LONG STEEL ANGLE SUPPORTS FOR SCREEN @ 8'-0\" O.C.

6 FT. HGT. SOLID STEEL FRAME & PANELS ROLLING GATES BY SEGARS FENCE COMPANY OR APPROVED EQUAL

4 FT. HGT. PAINTED ALUMINUM SCREEN LOUVER (SIDE VIEW) OF SOUTH & EAST ELEVATIONS

STEEL BRACING BEAMS (BEHIND) SEE DRAWINGS A-3 & S-2

1 FT. HGT. PAINTED ALUMINUM SCREEN LOUVER

ALUMINUM LOUVER SCREEN SYSTEM MODEL # W/F APPROVED EQUAL COLOR SELECTION BY OWNER. SUBMIT ENGINEERED SHOP DRAWINGS FOR ARCHITECT REVIEW AND APPROVAL.

4 FT. HGT. x 6\"

STEEL BRACING BEAMS (BEHIND) SEE DRAWINGS A-3 & S-2

APPROXIMATE HEIGHT OF NEW GENERATOR BEYOND

APPROXIMATE HEIGHT OF NEW GENERATOR BEYOND

APPROXIMATE HEIGHT OF NEW GENERATOR BEYOND

3/4\" x 5\" LONG EXPANSION BOLTS

EXISTING SOUTH CRS WALL TO REMAIN

EXISTING WALL & TIE BEAM TO REMAIN

EXISTING WALL & TIE BEAM TO REMAIN

EXISTING WALL TO REMAIN

EXISTING WALL TO REMAIN

4 FT. HGT. x 6\"

3.5\" x 3.5\" x 1/2\" x 5'-6\" LONG STEEL ANGLE SUPPORTS FOR SCREEN @ 8'-0\" O.C.

6 FT. HGT. SOLID STEEL FRAME & PANELS ROLLING GATES BY SEGARS FENCE COMPANY OR APPROVED EQUAL

4 FT. HGT. PAINTED ALUMINUM SCREEN LOUVER (SIDE VIEW) OF SOUTH & EAST ELEVATIONS

STEEL BRACING BEAMS (BEHIND) SEE DRAWINGS A-3 & S-2

1 FT. HGT. PAINTED ALUMINUM SCREEN LOUVER

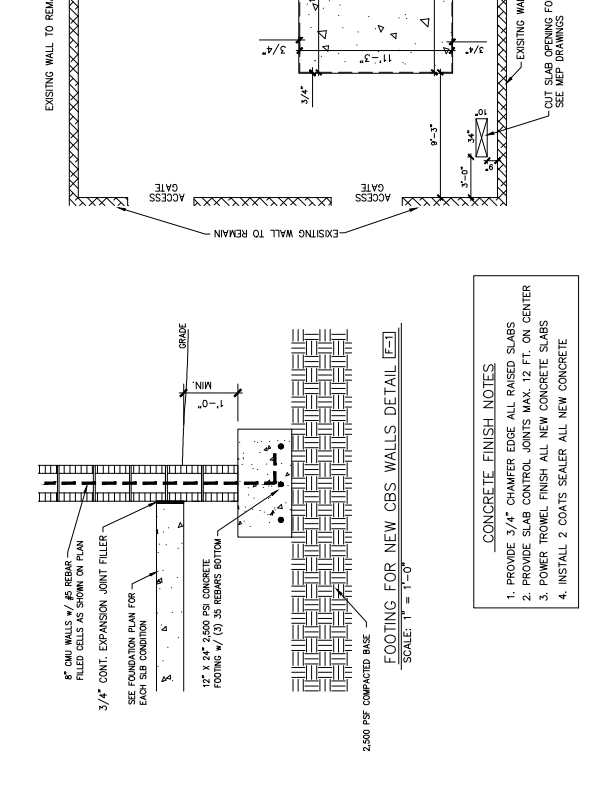
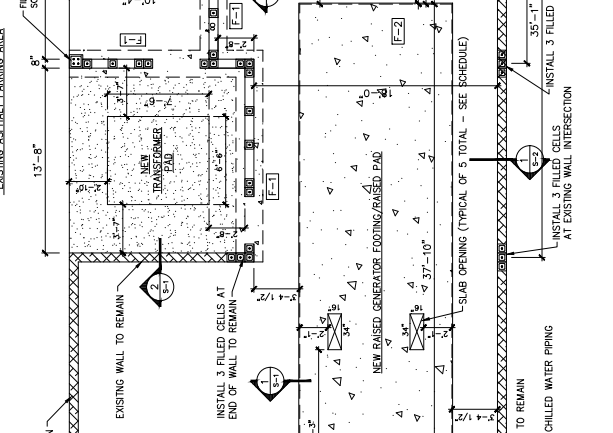
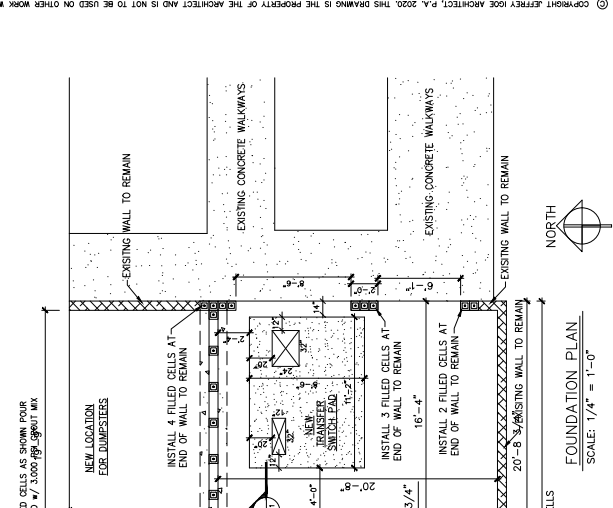
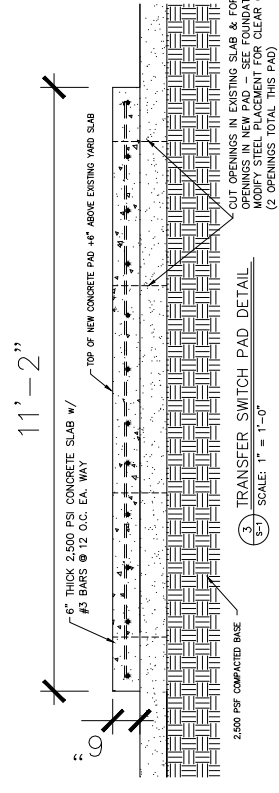
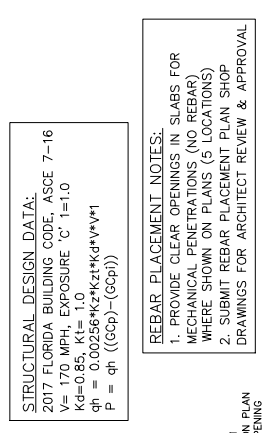
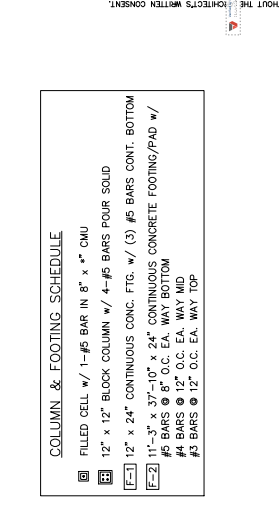
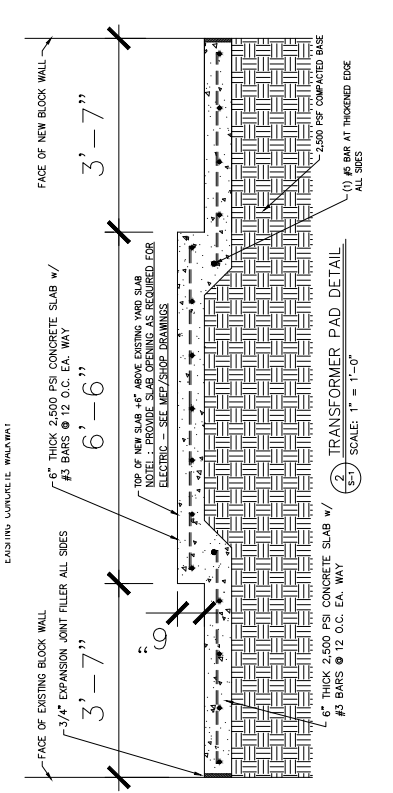
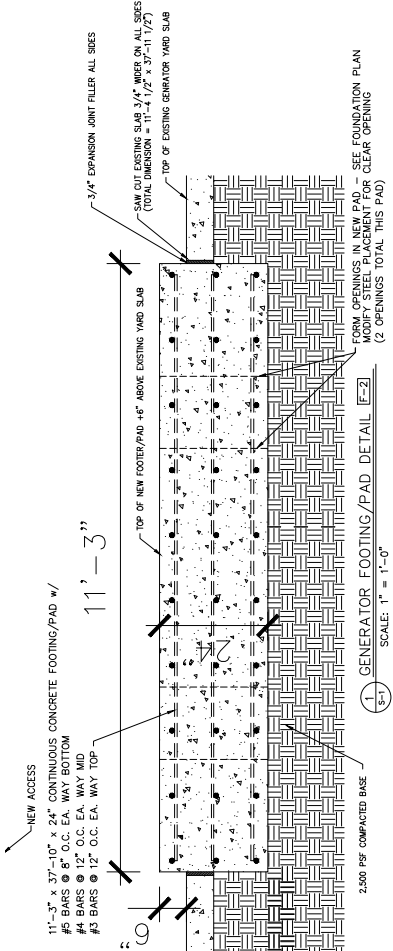
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SHEET	S-1
	SHEET 1 OF 2 SHEETS



STRUCTURAL DESIGN DATA:
 2017 FLORIDA BUILDING CODE, ASCE 7-16
 V= 170 MPH, EXPOSURE C 1=1.0
 Kg=0.85, SLE=0
 qh = 0.00256 * Kz * Kzt * Kd * V^2 * I / P
 P = qh ((Ccp) - (Gcp))

REBAR PLACEMENT NOTES:
 1. PROVIDE CLEAR OPENINGS IN SLABS FOR MECHANICAL PENETRATIONS (NO REBAR) WHERE SHOWN ON PLANS (5 LOCATIONS)
 2. SUBMIT REBAR PLACEMENT PLAN SHOP DRAWINGS FOR ARCHITECT REVIEW & APPROVAL

CONCRETE FINISH NOTES
 1. PROVIDE 3/4" CHAMFER EDGE ALL RAISED SLABS
 2. PROVIDE SLAB CONTROL JOINTS MAX. 12 FT. ON CENTER
 3. POWER TROWEL FINISH ALL NEW CONCRETE SLABS
 4. INSTALL 2 COATS SEALER ALL NEW CONCRETE

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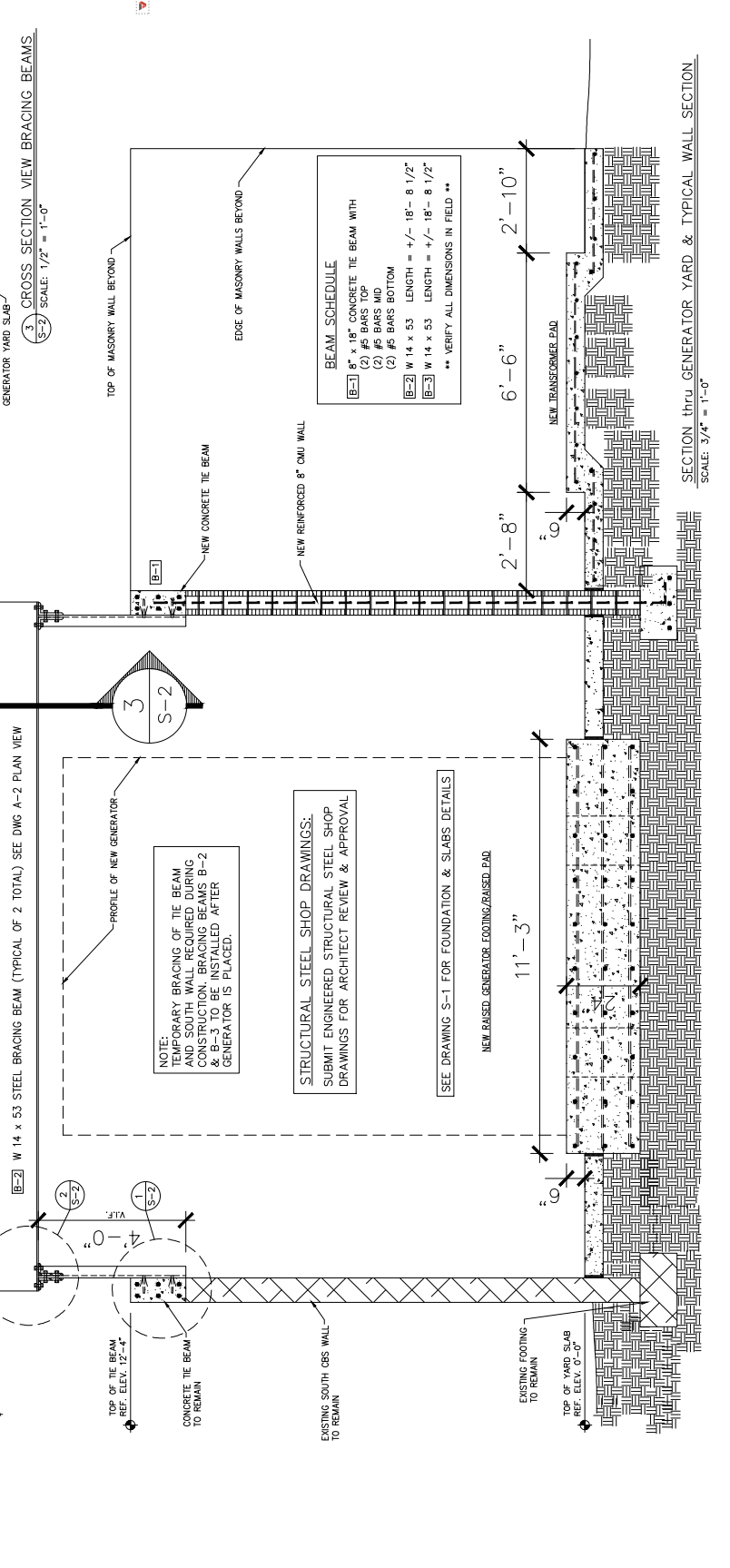
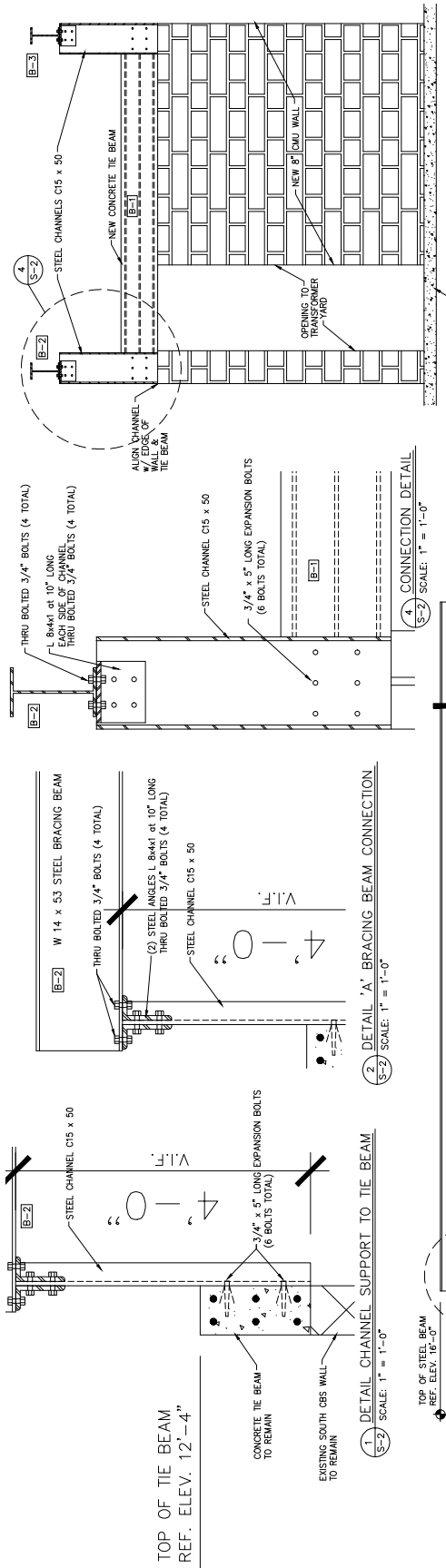
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SHEET	S-2



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