

Preliminary Site Plan

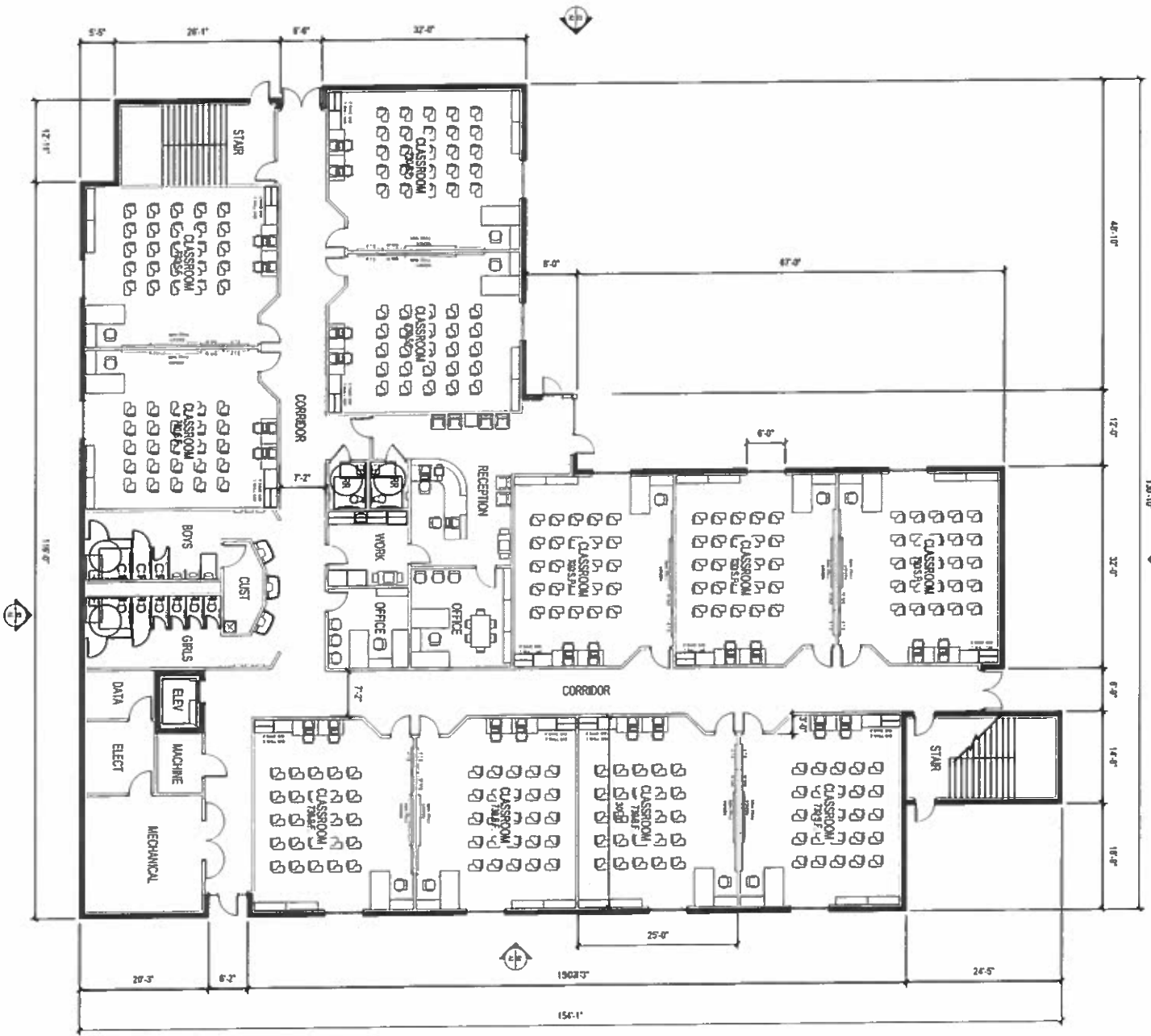
The community of Riviera Beach is currently comprised of 8,122 people under the age of 18.¹ While the City has several fine schools, with a number of youth this high another venue for education is necessary and will help to provide more individualized and personalized teaching to the students. The RBMA is poised to continue to provide education to the City of Riviera Beach and its surrounding areas with this brand new, twenty-eight thousand square foot classroom building. The expansion will allow the RBMA to enroll significantly more students to the program and provide a significantly higher class of education to all current and future students. As an added benefit, the design of the school and its façade will complement the area and existing school facilities giving it a purposeful, but aesthetically pleasing appeal. Though no amenities other than the school are planned, RBMAC will deepen and expand retention areas on the property.

What follows below and in the corresponding addenda to this Tab are the relevant site plans, design work, engineering, and architectural schematics necessary to complete this expansion and to demonstrate the full scope and scale of the proposed school.

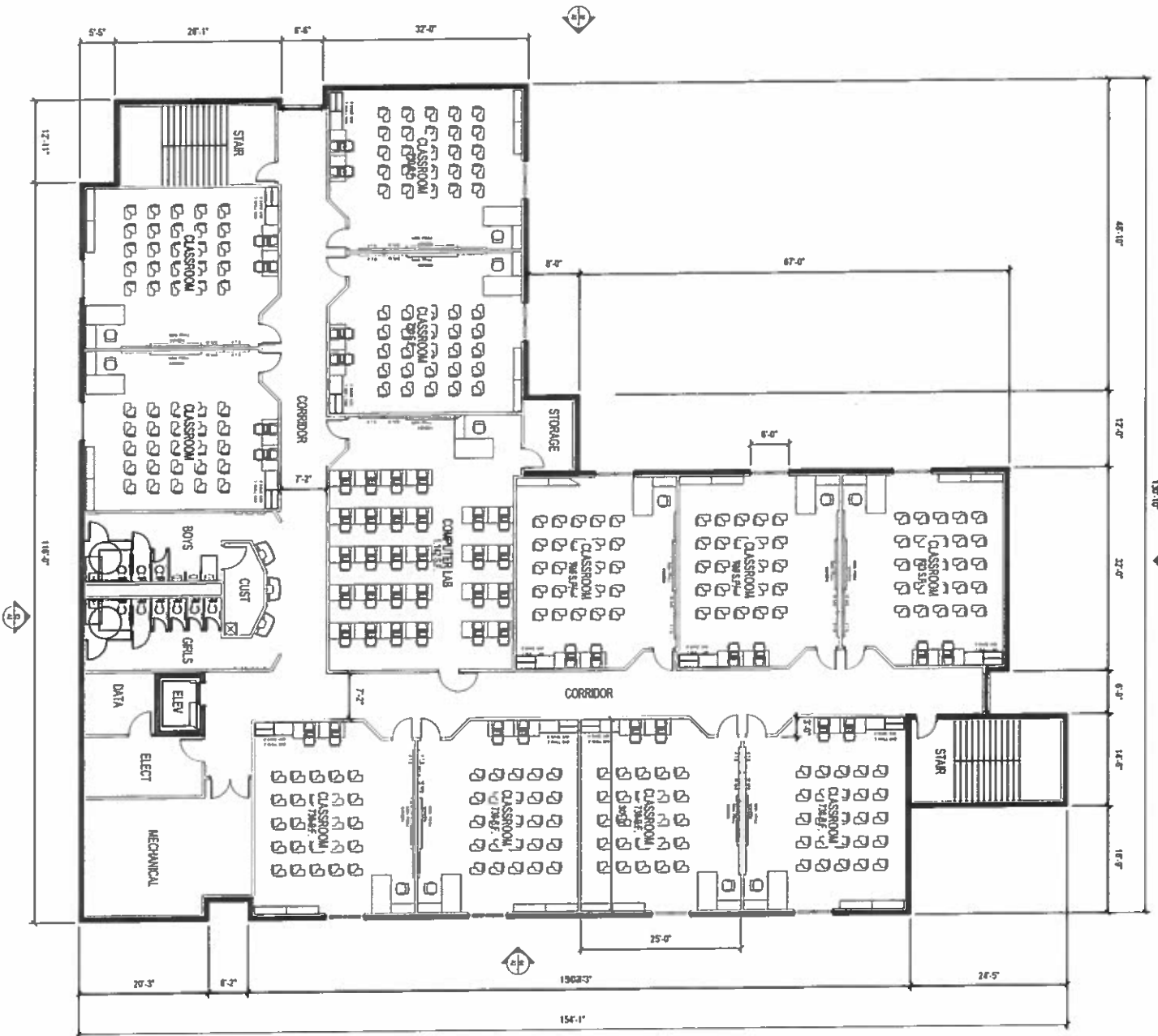
Presentation Drawings:

1. Aerial overlay of expansion footprint and new retention areas.
2. First and Second floor plans
3. Visual depiction of the North Elevation of the expansion
4. Visual depiction of the East Elevation of the expansion
5. Visual depiction of the South Elevation of the expansion
6. Visual depiction of the West Elevation of the expansion
7. Topographic Survey of the premises
8. Landscape plan
9. Irrigation plan
10. Architectural Schematics and Interior Design plans
11. Demolition plan
12. Civil Engineering drawings
13. Site demolition and erosion control plan
14. Signing, striping, and geometric plan
15. Paving, grading, and drainage plan
16. Potable water and sanitary sewer plan
17. Electrical plan
18. Light fixture plan
19. Fire alarm plan
20. Electric panelboard drawings
21. Fire sprinkler plan
22. Parking and gate drawings
23. Life safety plan
24. Mechanical plans
25. Plumbing plans
26. Structural plans

¹ According to the 2010 Census; information available here <http://quickfacts.census.gov/qfd/states/12/1260975.html>.



1st FLOOR PLAN



2nd FLOOR PLAN



AREA TABULATION
 1ST FLOOR = 14,190 GSF
 2ND FLOOR = 13,432 GSF
 TOTAL GSF = 27,622 GSF

NEW CLASSROOM BUILDING
**RIVIERA BEACH
 MARITIME ACADEMY**
 RIVIERA BEACH, FLORIDA

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 architects
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no.	revision	date

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 AI
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Riviera Beach, FL REP

tercilla courtemanche architects, inc.

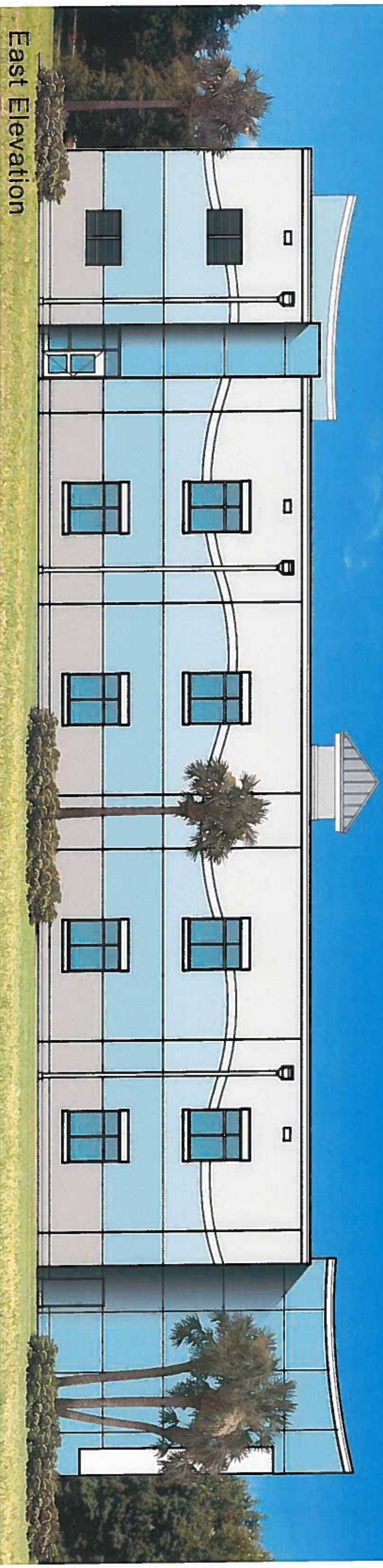
The Weitz Company



North Elevation

tercilla courtemanche architects, inc.

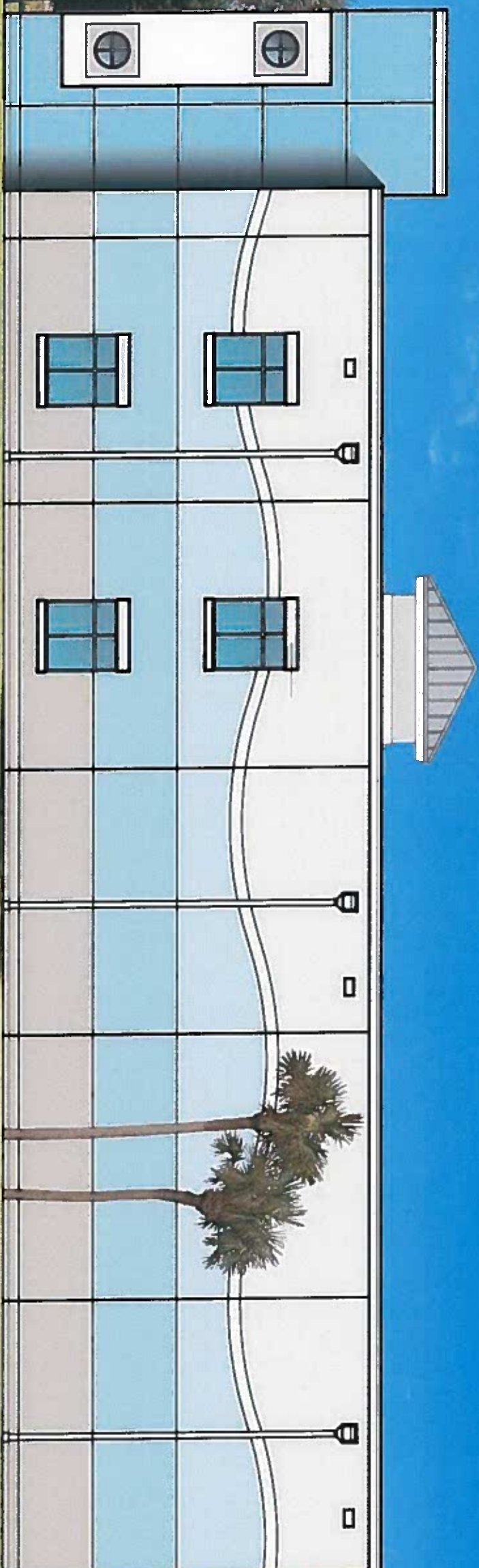
The Weitz Company



East Elevation

tercilla courtemanche architects, inc.

The Weitz Company



South Elevation

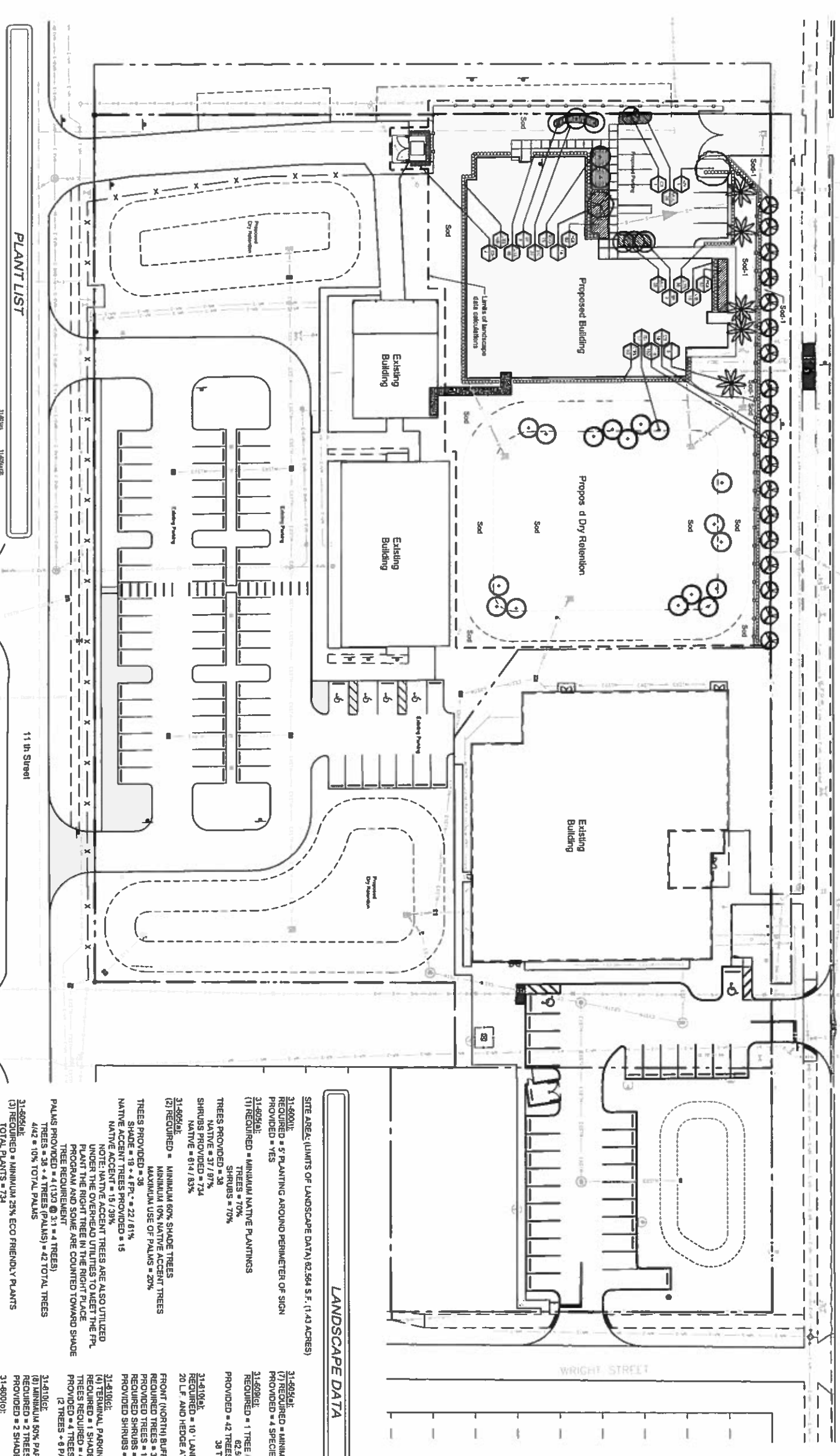
tercilla courtemanche architects, inc.

The Weitz Company



West Elevation

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CITY TREE SPECIES	COMMON NAME/DESCRIPTION	SIZE	SPACING	REMARKS	11' HIGH	11' HEIGHT	25% MINIMUM	WATER SHADE	PERCENT OF SPECIES
01	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
02	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
03	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
04	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
05	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
06	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
07	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
08	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
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10	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
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97	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
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99	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			
100	COCONUTS	12' x 12'	AS	FALL CHERRY	LOW	3%			

LANDSCAPE DATA

31-4001: REQUIRED = 6 PLANTING AROUND PERIMETER OF SIGN PROVIDED = YES

31-601A: (1) REQUIRED = MINIMUM NATIVE PLANTINGS TREES PROVIDED = 38 SHRUBS PROVIDED = 154 NATIVE = 814 / 83%

31-602A: (2) REQUIRED = MINIMUM 60% SHADE TREES TREES PROVIDED = 38 MAXIMUM USE OF PALMS = 20% NATIVE ACCENT TREES PROVIDED = 15

31-603A: (1) REQUIRED = MINIMUM 25% ECO FRIENDLY PLANTS TOTAL PLANTS = 734 ECO FRIENDLY = 614 / 83%

31-604A: (1) REQUIRED = MINIMUM SHADE TREE SPECIES (3:1:50) = 4 PROVIDED = 4 SPECIES

31-605A: (1) REQUIRED = 1 TREE / 1,500 S.F. OF SITE AREA PROVIDED = 42 TREES 62,564 S.F. / 1,500 S.F. = 42 TREES 38 TREES + 4 PALMS @ 3:1 = 42 TREES

31-606A: (1) REQUIRED = 10' LANDSCAPE STRIP WITH 1 TREE / 20' LF AND HEDGE AT 2' O.C. PROVIDED = 42 TREES FRONT (NORTH) BUFFER = 317' 22" PROVIDED TREES = 317' 22" / 20' = 16 PROVIDED SHRUBS = 18 (FPL TREES) PROVIDED SHRUBS = 317' 22" / 2' = 159 PROVIDED SHRUBS = 185

31-607A: (1) REQUIRED = 1 SHADE TREE PER ISLAND PROVIDED = 4 TREES (2 TREES + 8 PALMS @ 3:1 = 4 TREES)

31-608A: (1) REQUIRED = 2 TREES (4 TERMINAL ISLANDS) PROVIDED = 2 SHADE TREES / 50%

31-609A: (1) REQUIRED = 6 PLANTING AROUND PERIMETER OF DUMPSTER AFTER ONE YEAR PROVIDED = YES

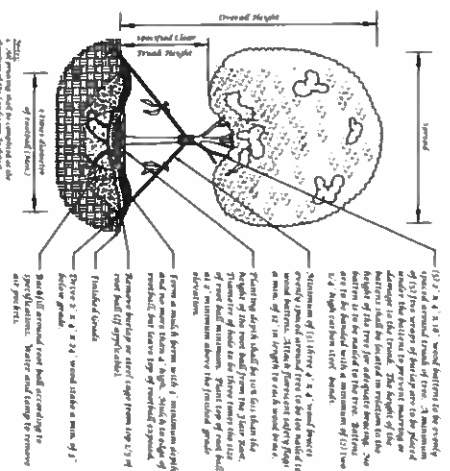
LANDSCAPE PLAN

SCALE 1" = 30'

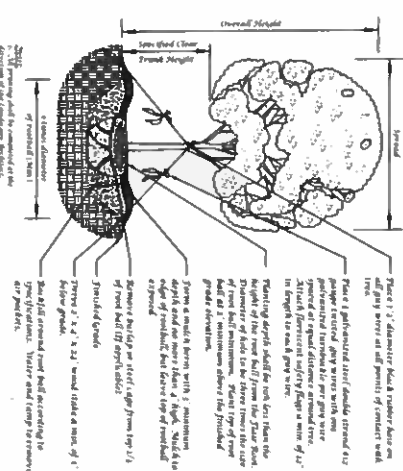
DESIGNED: JWS
 DATE: 9-2-2014
 REVISIONS:

Riviera Beach Maritime Academy Addition
 City of Riviera, Florida

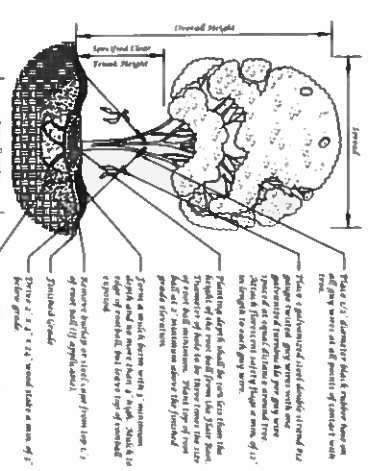
Landscape Details



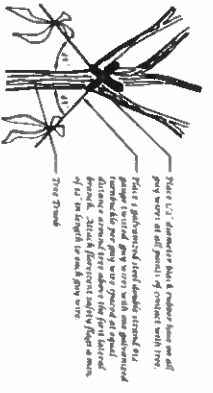
Large Tree Planting Detail
(1' Caliper or Greater)



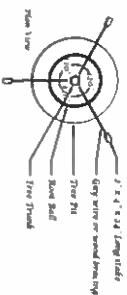
Tree Planting Detail



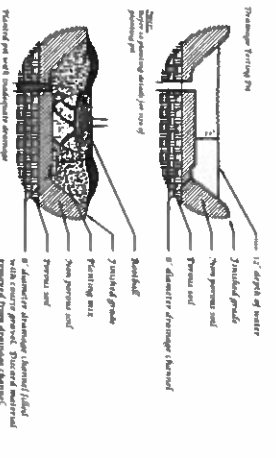
Multi-Trunk Tree Planting Detail



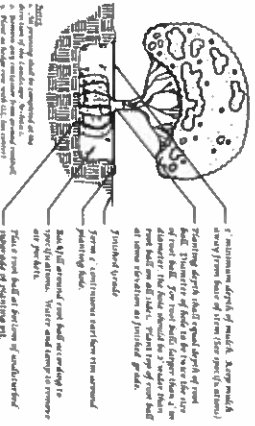
Guy Wire Attachment Detail



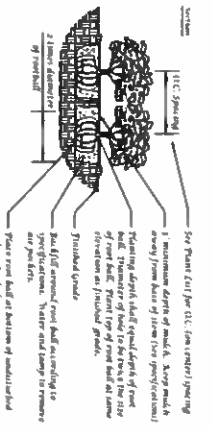
Staking Detail



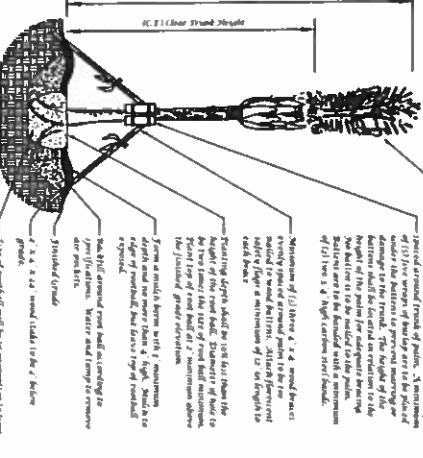
Drainage Testing Detail



Shrub Detail



Ground Cover Detail



Palm Planting Detail

Landscape Specifications

1. All trees and shrubs installed shall be Florida Native, as classified by "Native and Sustainable for Military Planting" Part 1 and Part 2, Table of Plants, Code of Agriculture, Chapter 163, Section 163.001, and shall be of a minimum caliper of 1 1/2\"/>

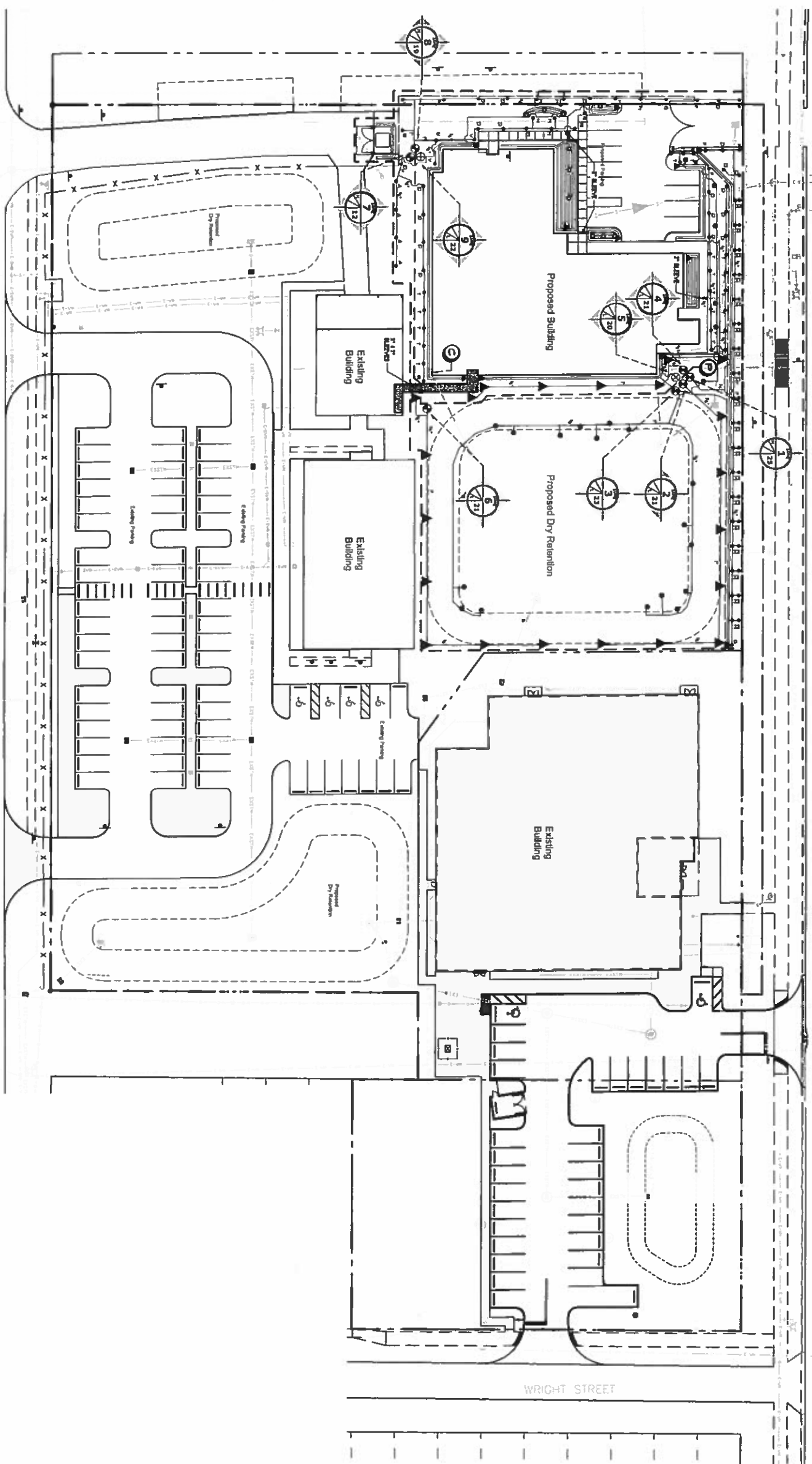
General Notes

- ALL PLANT MATERIAL SHALL BE PROVIDED UNLESS OTHERWISE NOTED BY THE DIVISION OR PLANTING CONTRACTORS AND SHOWN ON LATEST CENTRAL VEGETATION REGIONAL PERMITS AND REQUIRED FROM TO REMOVAL, CLEARING OR REMOVAL ANY VEGETATION FROM THE PROPERTY.
- ALL PLANTING SHALL BE PERFORMED BY THE CONTRACTOR AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE DIVISION OF CONSTRUCTION.
- THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND AVOID ALL CONTACTS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS.
- ALL TREES PLANTED UNDER OR ADJACENT TO IN-PROGRESS WALLS SHALL BE SPACED BY A MINIMUM OF 10 FEET FROM THE EXISTING WALLS UNLESS OTHERWISE NOTED.
- ALL ABOVE-GROUND UTILITIES, INCLUDING POWER, WATER, GAS, AND CABLE, SHALL BE FULLY EXPOSED FROM VIEW ON THREE SIDES WITH LANDSCAPING. THE LANDSCAPING SHALL BE TO THE TALLEST POINT OF SAID EQUIPMENT AT TIME OF PLANTING.
- ALL VEGETATION SHALL BE SELECTED AND POSITIONED SO THAT IT DOES NOT PRESENT OBSTRUCTIONS TO THE LINE OF SIGHT AT INTERSECTION POINTS.
- TREES AT INTERSECTION POINTS AND WITHIN SHORT THROATERS SHALL BE THINDED BY SUCH A FACTOR TO MAINTAIN SHORT VISIBILITY CORRELATES. CLEAR VISIBILITY SHALL BE MAINTAINED BETWEEN "A" AND "B" TWENTY-FIVE FEET SHORT VISIBILITY THROATERS SHALL BE PROVIDED AT THE INTERSECTIONS WITH THE PUBLIC RIGHT-OF-WAY. IN ADDITION, ALL LANDSCAPING SHALL COMPLY WITH THE REQUIREMENTS OF FOOTING CODE.
- ALL LANDSCAPE PLANTS AND TREES SHALL BE FREE OF SHELL, ROCK AND CONSTRUCTION DEBRIS, EXCEPTED TO A DEPTH OF 30 INCHES OR TO CLEAN WHITE SOILS AND FILL WITH THE SPECIFIED BACKFILL MATERIAL.
- ALL LANDSCAPE PLANTS SHALL BE PROVIDED WITH PERMANENT, AUTOMATIC IRRIGATION.
- PLANTING ADJACENT TO PINE TRUNKS IS TO HAVE A MINIMUM CLEARANCE OF 7.5 FEET AS REQUIRED BY THE FLORIDA LANDSCAPE CODE, FLORIDA STATUTE 163A.11 (H)(1)(A).

LANDSCAPE PLAN



DESIGNED	JWS
DATE	6-4-2014
REVISIONS	



13th Street

11th Street

WRIGHT STREET

Conceptual Design Group, Inc.
 Landscape Architect - Site Planning
 500 East Ocean Boulevard, Suite 1202
 Stuart, Florida 34994
 (772) 244-2240
 (772) 244-2240
 (772) 244-2240

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LAND DEVELOPERS
 Urban Planning - Engineering
 Landscape Architecture
 500 East Ocean Boulevard, Suite 1202
 Stuart, Florida 34994
 (772) 244-2240
 (772) 244-2240

Riviera Beach Maritime Academy Addition
 City of Riviera, Florida

DESIGNED	IVS
DATE	9-29-2014
REVISIONS	

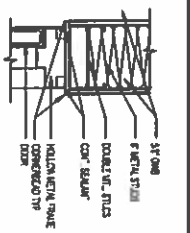


SCALE · 1" = 30'

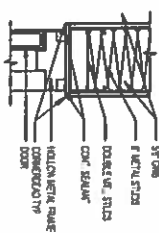
SHEET 1 OF 2

IRRIGATION PLAN

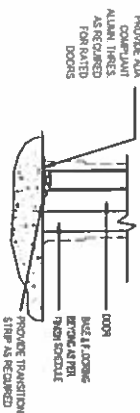




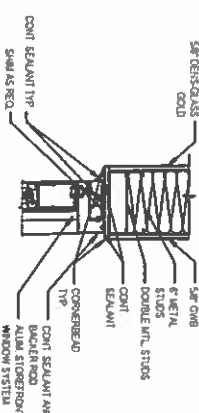
13 HEAD DETAIL
1/2" = 1'-0"



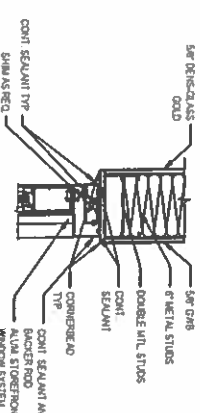
14 JAMB DETAIL
1/2" = 1'-0"



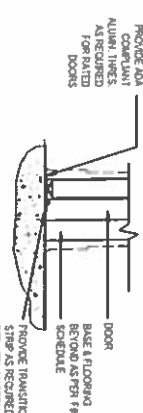
15 SILL DETAIL
1/2" = 1'-0"



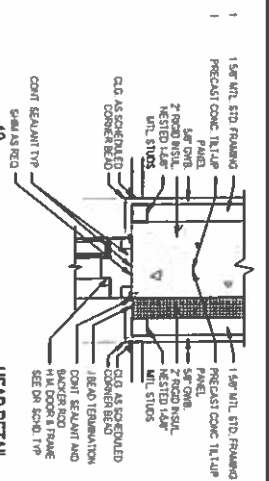
16 HEAD DETAIL
1/2" = 1'-0"



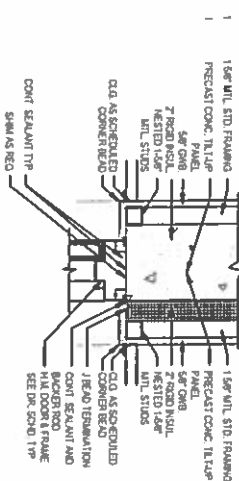
17 JAMB DETAIL
1/2" = 1'-0"



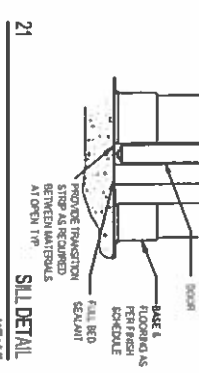
18 SILL DETAIL
1/2" = 1'-0"



19 HEAD DETAIL
1/2" = 1'-0"



20 JAMB DETAIL
1/2" = 1'-0"



21 SILL DETAIL
1/2" = 1'-0"

NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

FL Lauderdale 954-486-7910
FL Myers 239-275-7774
Jacksonville 904-396-3300
Orlando 407-667-7727
Punta Gorda 941-575-0403
St. Petersburg 727-898-4611
Tampa 813-286-8206
West Palm Beach 561-478-4457
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A6.3

SINK BASE CABINETS

	<p>DESCRIPTION: SINK BASE CABINET WITH ONE DOOR HINGED LEFT. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E100 27Wx36Hx30D</p> <p>E101 36Wx36Hx30D</p> <p>E102 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH ONE DOOR HINGED RIGHT. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E103 27Wx36Hx30D</p> <p>E104 36Wx36Hx30D</p> <p>E105 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH TWO DOORS HINGED LEFT. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E108 27Wx36Hx30D</p> <p>E109 36Wx36Hx30D</p> <p>E110 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH TWO DOORS HINGED RIGHT. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E113 27Wx36Hx30D</p> <p>E114 36Wx36Hx30D</p> <p>E115 45Wx36Hx30D</p>

FILE CABINETS

	<p>DESCRIPTION: FILE CABINET WITH ONE FILE DRAWER AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E116 27Wx36Hx30D</p> <p>E117 36Wx36Hx30D</p> <p>E118 45Wx36Hx30D</p>
	<p>DESCRIPTION: FILE CABINET WITH ONE FILE DRAWER AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E121 27Wx36Hx30D</p> <p>E122 36Wx36Hx30D</p> <p>E123 45Wx36Hx30D</p>
	<p>DESCRIPTION: FILE CABINET WITH TWO FILE DRAWERS AND TWO DOORS HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E126 27Wx36Hx30D</p> <p>E127 36Wx36Hx30D</p> <p>E128 45Wx36Hx30D</p>
	<p>DESCRIPTION: FILE CABINET WITH TWO FILE DRAWERS AND TWO DOORS HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E131 27Wx36Hx30D</p> <p>E132 36Wx36Hx30D</p> <p>E133 45Wx36Hx30D</p>

SINK BASE CABINETS

	<p>DESCRIPTION: SINK BASE CABINET WITH ONE DOOR HINGED LEFT AND ONE BLANK DRAWER PANEL. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E119 27Wx36Hx30D</p> <p>E120 36Wx36Hx30D</p> <p>E121 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH ONE DOOR HINGED RIGHT AND ONE BLANK DRAWER PANEL. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E124 27Wx36Hx30D</p> <p>E125 36Wx36Hx30D</p> <p>E126 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH TWO DOORS HINGED LEFT AND ONE BLANK DRAWER PANEL. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E130 27Wx36Hx30D</p> <p>E131 36Wx36Hx30D</p> <p>E132 45Wx36Hx30D</p>
	<p>DESCRIPTION: SINK BASE CABINET WITH TWO DOORS HINGED RIGHT AND ONE BLANK DRAWER PANEL. SERVICES HOT AND COLD WATER.</p> <p>ITEM SIZE</p> <p>E135 27Wx36Hx30D</p> <p>E136 36Wx36Hx30D</p> <p>E137 45Wx36Hx30D</p>

BASE CABINETS

	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED LEFT, ADJUSTABLE SHELF, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E129 27Wx36Hx30D</p> <p>E130 36Wx36Hx30D</p> <p>E131 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED RIGHT, ADJUSTABLE SHELF, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E134 27Wx36Hx30D</p> <p>E135 36Wx36Hx30D</p> <p>E136 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED LEFT, ADJUSTABLE SHELF, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E140 27Wx36Hx30D</p> <p>E141 36Wx36Hx30D</p> <p>E142 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED RIGHT, ADJUSTABLE SHELF, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E145 27Wx36Hx30D</p> <p>E146 36Wx36Hx30D</p> <p>E147 45Wx36Hx30D</p>

BASE CABINETS

	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E138 27Wx36Hx30D</p> <p>E139 36Wx36Hx30D</p> <p>E140 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E143 27Wx36Hx30D</p> <p>E144 36Wx36Hx30D</p> <p>E145 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E149 27Wx36Hx30D</p> <p>E150 36Wx36Hx30D</p> <p>E151 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E154 27Wx36Hx30D</p> <p>E155 36Wx36Hx30D</p> <p>E156 45Wx36Hx30D</p>

BASE CABINETS

	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E132 27Wx36Hx30D</p> <p>E133 36Wx36Hx30D</p> <p>E134 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH ONE DOOR HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E137 27Wx36Hx30D</p> <p>E138 36Wx36Hx30D</p> <p>E139 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E143 27Wx36Hx30D</p> <p>E144 36Wx36Hx30D</p> <p>E145 45Wx36Hx30D</p>
	<p>DESCRIPTION: BASE CABINET WITH TWO DOORS HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E148 27Wx36Hx30D</p> <p>E149 36Wx36Hx30D</p> <p>E150 45Wx36Hx30D</p>

WALL CABINETS

	<p>DESCRIPTION: WALL CABINET WITH ONE DOOR HINGED LEFT, ADJUSTABLE SHELVES, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E157 27Wx36Hx18D</p> <p>E158 36Wx36Hx18D</p> <p>E159 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH ONE DOOR HINGED RIGHT, ADJUSTABLE SHELVES, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E162 27Wx36Hx18D</p> <p>E163 36Wx36Hx18D</p> <p>E164 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH TWO DOORS HINGED LEFT, ADJUSTABLE SHELVES, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E168 27Wx36Hx18D</p> <p>E169 36Wx36Hx18D</p> <p>E170 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH TWO DOORS HINGED RIGHT, ADJUSTABLE SHELVES, AND TWO HINGED DOORS.</p> <p>ITEM SIZE</p> <p>E173 27Wx36Hx18D</p> <p>E174 36Wx36Hx18D</p> <p>E175 45Wx36Hx18D</p>

WALL CABINETS

	<p>DESCRIPTION: WALL CABINET WITH ONE DOOR HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E151 27Wx36Hx18D</p> <p>E152 36Wx36Hx18D</p> <p>E153 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH ONE DOOR HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E156 27Wx36Hx18D</p> <p>E157 36Wx36Hx18D</p> <p>E158 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH TWO DOORS HINGED LEFT, ADJUSTABLE SHELF, AND ONE DOOR HINGED RIGHT.</p> <p>ITEM SIZE</p> <p>E162 27Wx36Hx18D</p> <p>E163 36Wx36Hx18D</p> <p>E164 45Wx36Hx18D</p>
	<p>DESCRIPTION: WALL CABINET WITH TWO DOORS HINGED RIGHT, ADJUSTABLE SHELF, AND ONE DOOR HINGED LEFT.</p> <p>ITEM SIZE</p> <p>E167 27Wx36Hx18D</p> <p>E168 36Wx36Hx18D</p> <p>E169 45Wx36Hx18D</p>

NOTE: ALL CASEWORK TO BE LOCKABLE ON PROJECT. VERIFY WITH OWNER THE KEY SEQUENCE. ALL EXPOSED SURFACES TO BE LAMINATED.

**NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS**

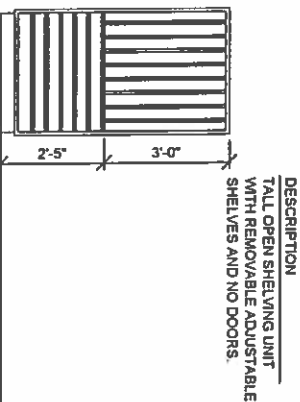
Ft. Lauderdale 954-486-7910
Ft. Myers 239-275-7774
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A7.3

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MISCELLANEOUS



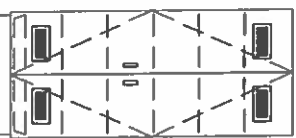
DESCRIPTION
TALL OPEN SHELVING UNIT
WITH REMOVABLE ADJUSTABLE
SHELVES AND NO DOORS.

ITEM E900
SIZE 36"Wx45"Hx24"D



DESCRIPTION
TALL TOTE TRAY STORAGE
WITH 32 88004 TRAYS
(18"Wx3.58"Hx15"D) AND
TWO HINGED DOORS.

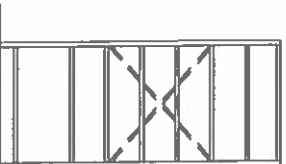
ITEM E901
SIZE 36"Wx45"Hx15"D



DESCRIPTION
DRY STORAGE UNIT WITH
FIVE PERFORATED SHELVES
(#8507), ONE DRIP PAN,
AND TWO HINGED DOORS
WITH LOUVERS.

ITEM E902
SIZE 36"Wx84"Hx24"D

DESCRIPTION
HEAVY DUTY METAL OPEN
ADJUSTABLE SHELVING W/
PAVED ENAMEL FINISH
END PANELS BETWEEN
ALL UNITS AND @ ENDS



ITEM E905
SIZE 36"Wx84"Hx18"D

ITEM E906
SIZE 48"Wx84"Hx18"D

ITEM E907
SIZE 30"Wx84"Hx18"D

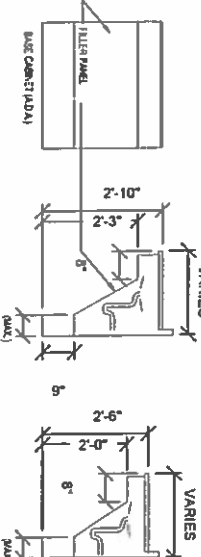
ITEM E908
SIZE 36"Wx84"Hx18"D

ITEM E909
SIZE 36"Wx84"Hx12"D

ITEM E910
SIZE 36"Wx84"Hx24"D

ITEM E911
SIZE 24"Wx107"Hx12"D

ITEM E912
SIZE 25"Wx48"Hx12"D MTD. FROM MID WALL TO C.L.G.



DESCRIPTION
HANDICAPPED ACCESSIBLE
BASE CABINET TO
ACCOMMODATE A STAINLESS
STEEL SINK.

ITEM E904
SIZE 36"Wx34"Hx24"D

ITEM E905
SIZE 36"Wx34"Hx30"D

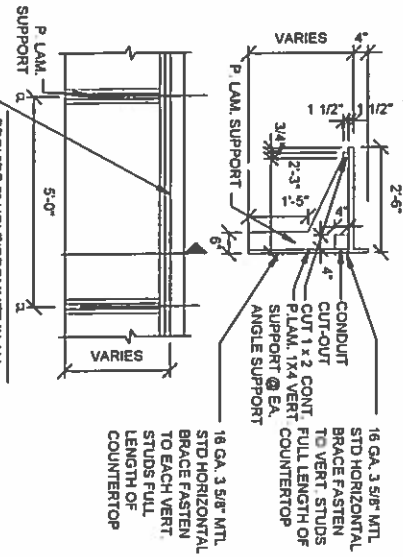
ITEM E906
SIZE 48"Wx34"Hx24"D

ITEM E907
SIZE 30"Wx30"Hx24"D

ITEM E908
SIZE 36"Wx30"Hx24"D

ITEM E909
SIZE 36"Wx28"Hx24"D

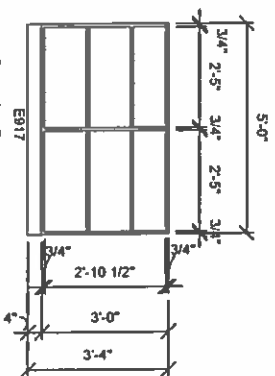
DESCRIPTION
HANDICAPPED ACCESSIBLE
WALL MOUNTED COUNTERTOP
AND SUPPORT
W/ PLASTIC LAMINATE



DESCRIPTION
HANDICAPPED ACCESSIBLE
WALL MOUNTED COUNTERTOP
AND SUPPORT
W/ PLASTIC LAMINATE

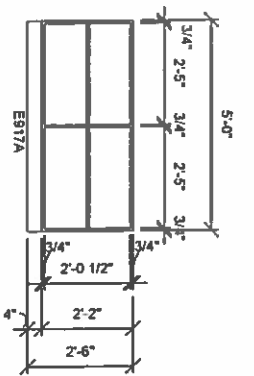
16 GA. 3 5/8\"/>

NOTE: CASEWORK
IS TO BE LOCKABLE
FOR PROJECT &
CARRY A LINE ITEM.
ALSO ALL EXPOSED
SURFACES TO BE
LAMINATED OR
FINISHED AS NOTED.



ITEM E917
BOOKCASE

DESCRIPTION
5'-0\"/>



ITEM E917A

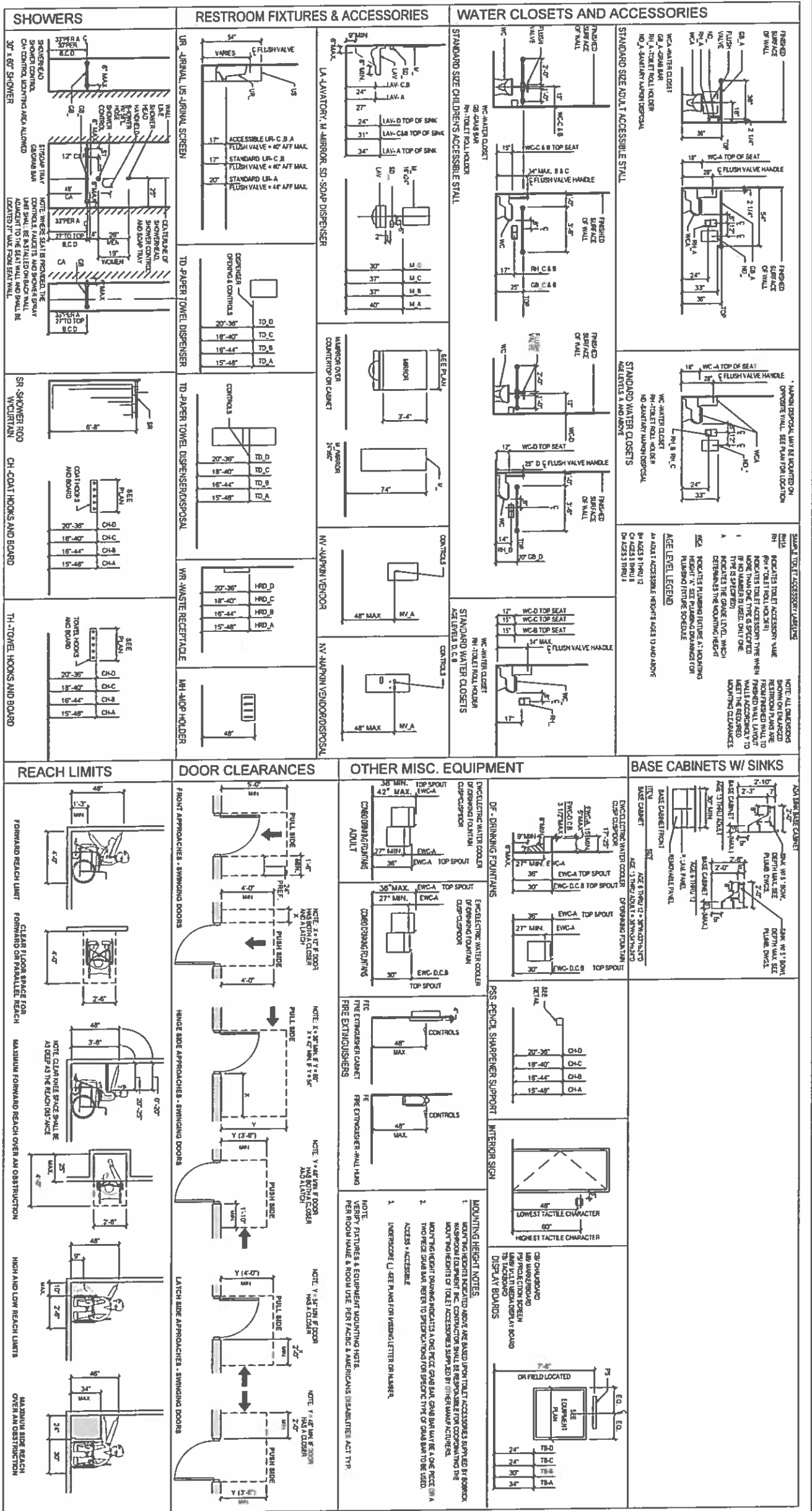
DESCRIPTION
5'-0\"/>

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RIVIERA BEACH, FLORIDA
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Comp. No. 214031.00
Date 08-24-14
Drawn
Checked
Reviewed
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A7.4



Date: 09-24-14
 Drawn: [Signature]
 Checked: [Signature]
 Title: [Signature]
 Scale: 1/8" = 1'-0"
 Project: 214031.00
 Revision: A8.1
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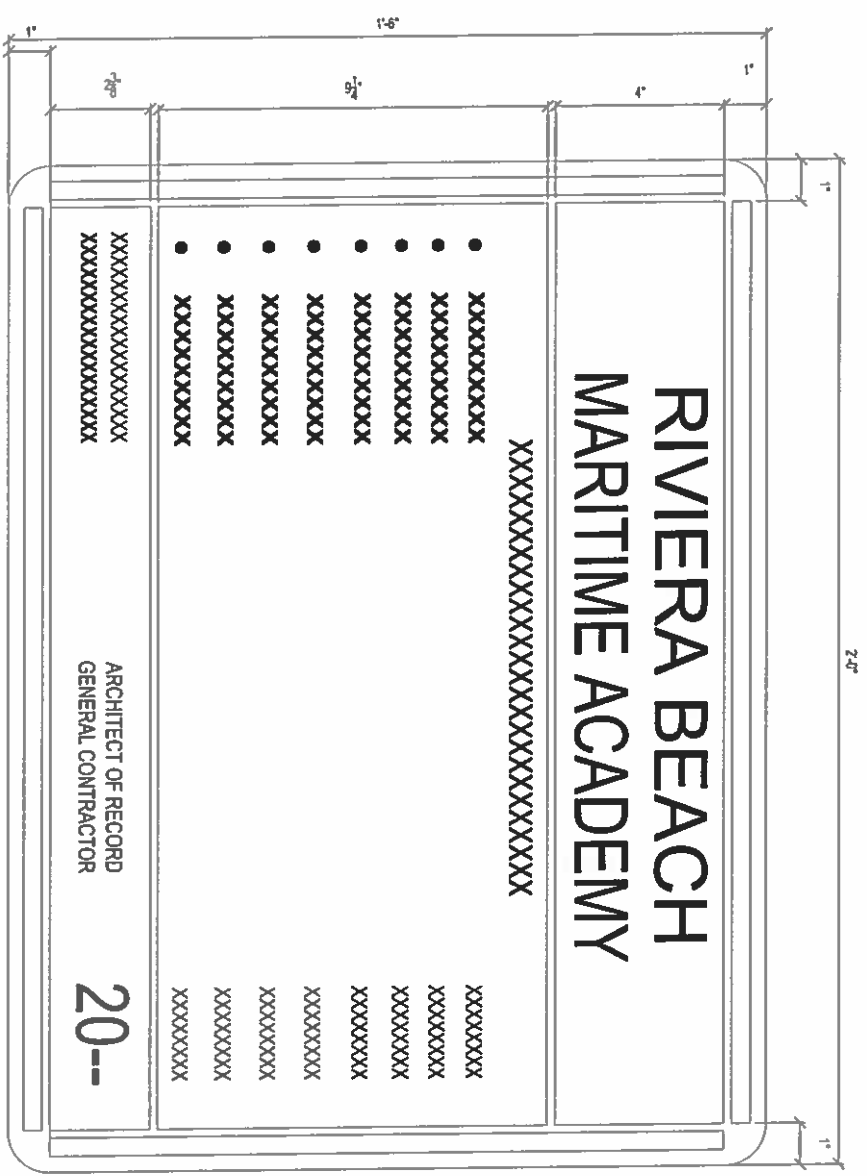
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21 SIGNS - MANUFACTURERS

- A. Manufacturer shall be one of the following known products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the product project.
 1. ASI Sign Systems, Independence, Indiana, Cincinnati, Ohio
 2. Anco Products Corp., Greenway, Iron, Florida
 3. Baron Signs, Little Ferry, Florida
 4. Mako-Quartz, Inc., Palm Bay, Florida
- B. Manufacturer shall conform to local, State, local, and other requirements as required by Florida Accessibility Code for Building Construction and ANSI A117.1.
- C. ADA requirements supersede technical specifications in this Section.
- D. General applies to all signs except as noted.
 1. Material shall be minimum 1/8" clear mils acrylic with 3/16" radius corners.
 2. Etching process - Shall be UV curable material of non-petroleum based phenolic resin using sand carving process to create the raised lettering, which is an integral part of the sign.
 3. Lettering signs - Shall be material of non-petroleum based phenolic resin using sand carving process to create the raised lettering, which is an integral part of the sign.
 4. Interior signs exposed to direct sun, shall be of same material as exterior signs.
 5. Perforated signs - Shall be minimum 1/8" clear mils acrylic with 3/16" radius corners.
 6. Shall be low VOC.
 7. Shall be UV Stable.
 8. Shall be lead and chromate free.
 9. Minimum life expectancy of 10-years.
- E. Applied lettering not allowed.
 1. Letters and background colors selected by Architect from manufacturer's standard colors.
 2. Lettering.
 3. Shall be with adhesives and non-removable oval head screws.
 4. Mount all lockers as directed by Architect.
 5. Mount all 60" above finished floor to be center of the sign.
 6. Graphic Process with Braille in one of the following but no applied lettering method allowed:
 - a. Etched process (photochemical process)
 - b. Etched metal
 - c. Sand carved process
 7. Letters and numbers shall have width to height ratio between 3:5 and 1:1 and letters width to height ratio between 1:5 and 1:10.
 8. Letters and numbers to be raised 1/32" upper case sans serif font with Grade 2 Braille.
 9. Raised characters shall be 5/8" high minimum and 2" high maximum.
 10. Characters shall have the equivalent verbal description directly below the pictogram.
 11. Characters and backgrounds must be matte or other non-gloss surface and of contrasting colors.
 12. All signs shall comply with chapter 11, FBC.
- F. Capacity signs:
 1. For all rooms with a capacity of 50 persons or more as shown on the drawings or other rooms as indicated on the plans.
 2. Furnish and install signs, 2" high by length required, reading "MAXIMUM CAPACITY"
 3. Allow for 3-digits maximum clear "maximum capacity" copy as shown on the drawings.
- G. Toilet Room Handicapped Signs
 1. Furnish and install one sign depicting International Handicapped Symbol (wheelchair) at each toilet room, equipped with lockable for the handicapped.
 - a. Sign shall be 6" by 6".
 2. Room Name and Number Signs
 - a. Provide a sign for each room or space to include name and room number.
 - b. Classroom and administrative office signs shall have a dot providing the owner the ability to add a teacher's name and change the name as necessary.
 - c. Maximum size of 7" high by 6" wide for signs, longer where non-standard dimensions.
- H. Storage Signs
 1. Mount number as directed by Architect.
 2. All signs shall be 1/8" thick Schedule 40 steel from one door to a space, additional signs will be required one by number of doors to space.
- I. Signage
 1. Signs shall be raised acrylic plastic, no background with white letters 3" high by width required for copy and Braille, with 3/8" radius corners.
 2. Mount on doors with non-removable oval head screws very narrow signs required.
- J. Fire Exit Signs
 1. Copy to read: "FIRE EXIT" and "FIRE EXIT" Sign
 2. Signs shall be raised acrylic plastic, no background with white letters 3" high by width required for copy and Braille, with 3/8" radius corners.
 3. NO EXIT signs shall have the size as per NFPA 101 Section 7.10.8.3.
 4. Braille sign not required for the handicapped.
 5. Signs shall be 6" by 6".
- K. Signage
 1. Provide lockable signs at each doorway leading to exit hallway.
 2. Working on sign - EXIT
 3. Sign to be nominal 17" high by 12" wide.
 4. Sign cover will only be removable using a tool.
 5. Non-removable oval head screws, using oval plugs when mounted on masonry.
 6. Architect shall supply the plans to the Contractor.
 7. Fire Exit/Smoke Person Labeling
 - a. Provide nominal 1/2" high block lettering centered on wall above finished ceiling, 6" in storage, mechanical, electrical, or similar unfinished room, install at approximately 64 inches above floor.
 - b. Contractor to use rating from permit (allow) HOUR RATED WALL, PROTECT ALL OPENING AND THROUGH WALL PENETRATION PER CODE REQUIREMENTS.
 - c. Provide minimum 1/2" high block lettering centered on wall above finished ceiling, 4" storage, mechanical, electrical, or unfinished room, install at 64" above floor.
- L. SMOKE PARTITION, PROTECT ALL OPENING AND THROUGH WALL PENETRATION PER CODE REQUIREMENTS.
 1. Mechanical, Electrical, Data, and Similar Rooms
 - a. Provide a sign saying "NO STORAGE" meeting the General requirements.
 - b. If these rooms have pair of doors, provide sign saying "THIS DOOR TO REMAIN CLOSED AND LATCHED TOP AND BOTTOM, EXCEPT DURING THE TRANSFER OF EQUIPMENT"
 - c. Sign shall have 1" high block letters and no permanently attached (fastened in way as to maintain the rating of the door) to the frame door near the lock side 60 inches from finished floor to center of sign.
 - d. Braille not required for this sign.
 2. "No Smoking" - "Smoking Free Campus" Sign
 - a. Copy to read: "No Smoking" or "Smoking Free Campus" with universal graphic.
 - b. Mounting - Non-removable oval head screws, using oval plugs when mounted on masonry.
 - c. Vary exact location with Architect. Schedule is provided for verbiage and quantity for pricing purposes. Locations and final graphics verbiage to be determined by Architect.
 - d. Material - 1/8" thick raised acrylic plastic with all edges sanded.
 - e. Graphic Process - Raised letters, and graphic. Braille shall be formed as an integral part of the sign base or surface applied to the sign base.
 - f. Color - Letters and background colors as selected by Architect from manufacturer's standard colors.
 - g. Lettering - Letters and numbers shall have width to height ratio between 3:5 and 1:1 and a stroke width to height ratio between 1:5 and 1:10. Letters and numbers shall be raised 1/32" upper case sans serif font type with Grade 2 Braille.
 - h. Raised characters shall be 2" high. Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram.
 - i. Characters and backgrounds must be sanded, matte or other non-gloss surface.

- L. PLAQUE SIGN
 - a. Provide signs showing of plaque size, border type, background finish, letter style, and size, and mounting method.
 1. Vary material, titles and exact wording required for plaque prior to fabrication.
 - b. Provide rubbing of actual pattern for a contractor's approval prior to casting.
 - c. Manufacturer - Company specializing in manufacturing the product specified in this section with minimum 5-years documented experience.
 - d. Aluminum Alloy F-214, 6324 1/8" x 2 1/2" beveled edges, square corners.
 - e. Provide concealed anchors suitable for securing attached to finished wall.
 - f. Casting shall be free of pits, gas holes and all letters shall be sharp, and hand touched.
 - g. Clean, etch, and seal plaque with Adhese.
 - h. Spray two coats of clear acrylic lacquer on completed plaque.

TYPE	MOUNTING	LOCATION	QUANTITY	BRAILLE
A	-	NOT USED		
B	A	ALL SPACES LISTED ON THE FINISH SCHEDULE EXCEPT CORRIDORS, STAIRS, IT, MECHANICAL, ELECTRICAL, STORAGE, RESTROOMS, ELEVATOR MACHINE, RESTROOMS	AS REQUIRED	1/4" ADA GRADE II BRAILLE
C	A	ALL SPACES THAT ARE NOT SIGN TYPE "B" LISTED ON THE FINISH SCHEDULE	AS REQUIRED	1/4" ADA GRADE II BRAILLE
D	A	PROVIDE 1 AT EACH END OF EVERY CORRIDOR AND HALLWAY	AS REQUIRED	1/4" ADA GRADE II BRAILLE
E	A	AT EVERY RESTROOM/ TOILET / SHOWER PER SEX	AS REQUIRED	1/4" ADA GRADE II BRAILLE
F	A	AT EVERY DOOR WITH AN EXIT LIGHT	AS REQUIRED	1/4" ADA GRADE II BRAILLE
G	A	TO BE DETERMINED	AS REQUIRED	1/4" ADA GRADE II BRAILLE
H	A	AT EVERY LABELLED MECHANICAL, ELECTRICAL, DATA ROOM, MACHINE ROOM AND EMERGENCY GENERATOR	AS REQUIRED	1/4" ADA GRADE II BRAILLE
J	A	TO BE DETERMINED	AS REQUIRED	
K	A	AT EVERY ELEVATOR LANDING	AS REQUIRED	1/4" ADA GRADE II BRAILLE
L	A	AT EVERY SPACE WITH AN OCCUPANT CAPACITY OF 50 OR MORE	SEE LIFE SAFETY PLANS	
L2	A	SPACES WITH ROOF HATCHES	SEE ROOF PLANS	
L3	A	TO BE DETERMINED	AS REQUIRED	

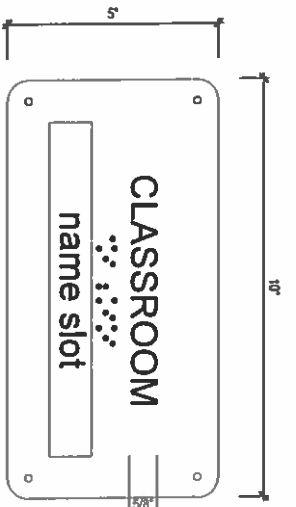


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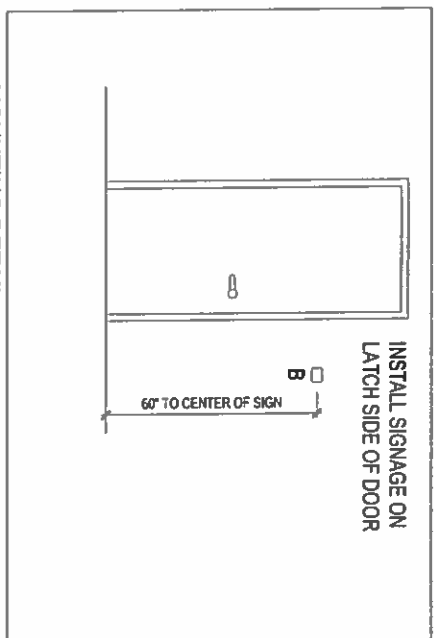
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Fl Myers 239-275-7774
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NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

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Date: 09-24-14
Project: Riviera
Scale: As Shown
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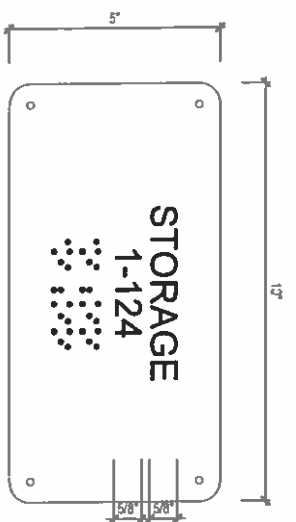
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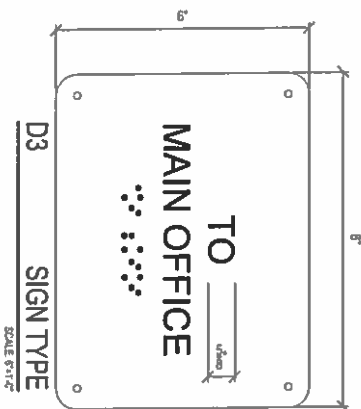
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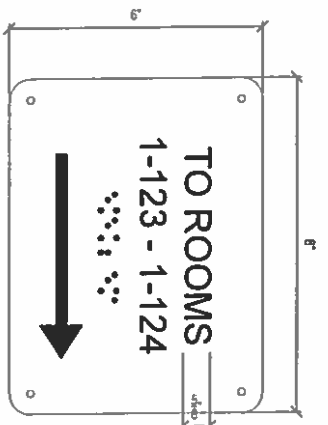
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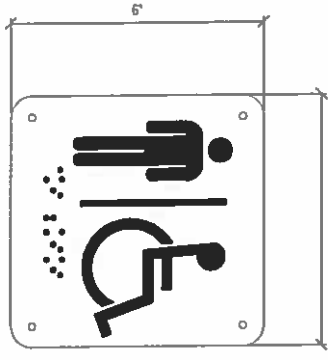
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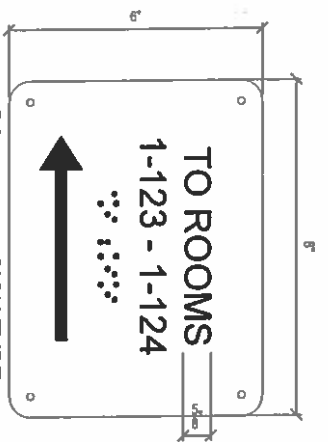
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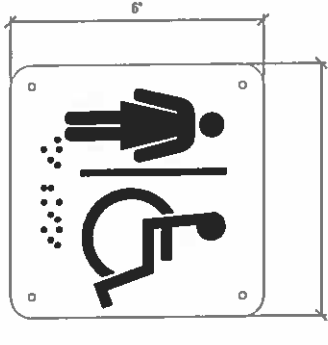
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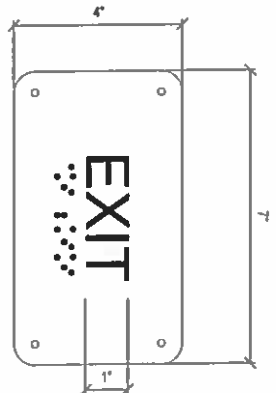
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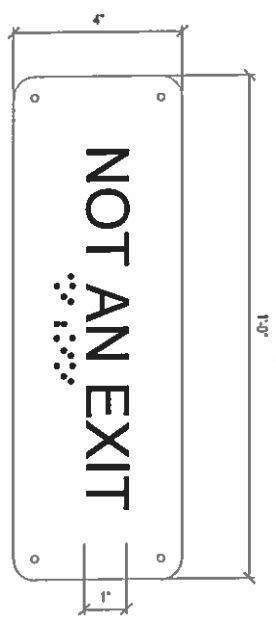
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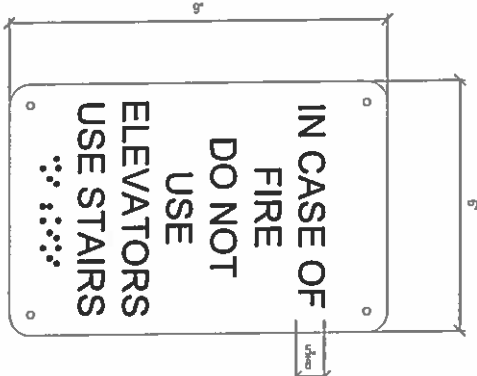
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G SIGN TYPE
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J SIGN TYPE
SCALE 8/11"=1'-0"



K SIGN TYPE
SCALE 8/11"=1'-0"



L2 - ROOF ACCESS
L3 - FIRE EXTINGUISHER INSIDE
SIGN TYPE
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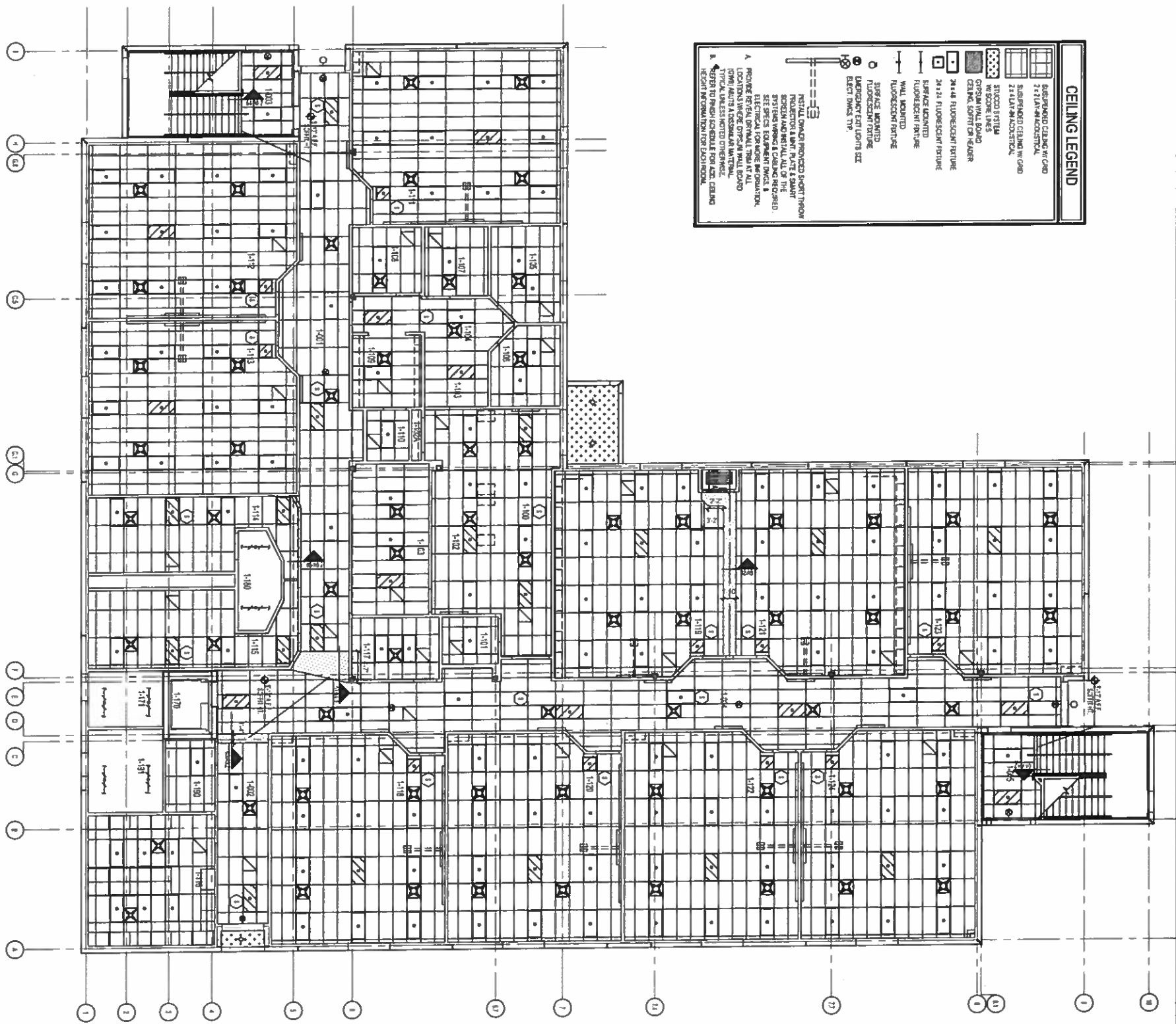
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CONSTRUCTION DOCUMENTS

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01 1st FLOOR CLG. PLAN- BLDG. 1



CEILING LEGEND	
	SUSPENDED CEILING w/ GRID
	SUSPENDED CEILING w/ ACOUSTIC TILE
	SUSPENDED CEILING w/ ACOUSTIC TILE & GRID
	2x4x8 FLUORESCENT FIXTURE
	2x4x4 FLUORESCENT FIXTURE
	2x4x2 FLUORESCENT FIXTURE
	2x4x2 FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT
	2x4x2 FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT & SELECT DIMMABLE TYPE
	SURFACE MOUNTED FLUORESCENT FIXTURE
	SURFACE MOUNTED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT
	SURFACE MOUNTED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT & SELECT DIMMABLE TYPE
	WALL MOUNTED FLUORESCENT FIXTURE
	WALL MOUNTED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT
	WALL MOUNTED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT & SELECT DIMMABLE TYPE
	RECESSED FLUORESCENT FIXTURE
	RECESSED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT
	RECESSED FLUORESCENT FIXTURE w/ EMERGENCY EXIT LIGHT & SELECT DIMMABLE TYPE

ROOM CHART			
ROOM NO.	ROOM NAME	SI	ROOM NO.
1-101	CLASSROOM	686	1-206
1-102	CLASSROOM	701	1-207
1-103	CLASSROOM	716	1-208
1-104	CLASSROOM	731	1-209
1-105	CLASSROOM	746	1-210
1-106	CLASSROOM	761	1-211
1-107	CLASSROOM	776	1-212
1-108	CLASSROOM	791	1-213
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1-110	CLASSROOM	821	1-215
1-111	CLASSROOM	836	1-216
1-112	CLASSROOM	851	1-217
1-113	CLASSROOM	866	1-218
1-114	CLASSROOM	881	1-219
1-115	CLASSROOM	896	1-220
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1-119	CLASSROOM	956	1-224
1-120	CLASSROOM	971	1-225
1-121	CLASSROOM	986	1-226
1-122	CLASSROOM	1001	1-227
1-123	CLASSROOM	1016	1-228
1-124	CLASSROOM	1031	1-229
1-125	CLASSROOM	1046	1-230
1-126	CLASSROOM	1061	1-231
1-127	CLASSROOM	1076	1-232
1-128	CLASSROOM	1091	1-233
1-129	CLASSROOM	1106	1-234
1-130	CLASSROOM	1121	1-235
1-131	CLASSROOM	1136	1-236
1-132	CLASSROOM	1151	1-237
1-133	CLASSROOM	1166	1-238
1-134	CLASSROOM	1181	1-239
1-135	CLASSROOM	1196	1-240
1-136	CLASSROOM	1211	1-241
1-137	CLASSROOM	1226	1-242
1-138	CLASSROOM	1241	1-243
1-139	CLASSROOM	1256	1-244
1-140	CLASSROOM	1271	1-245
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NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
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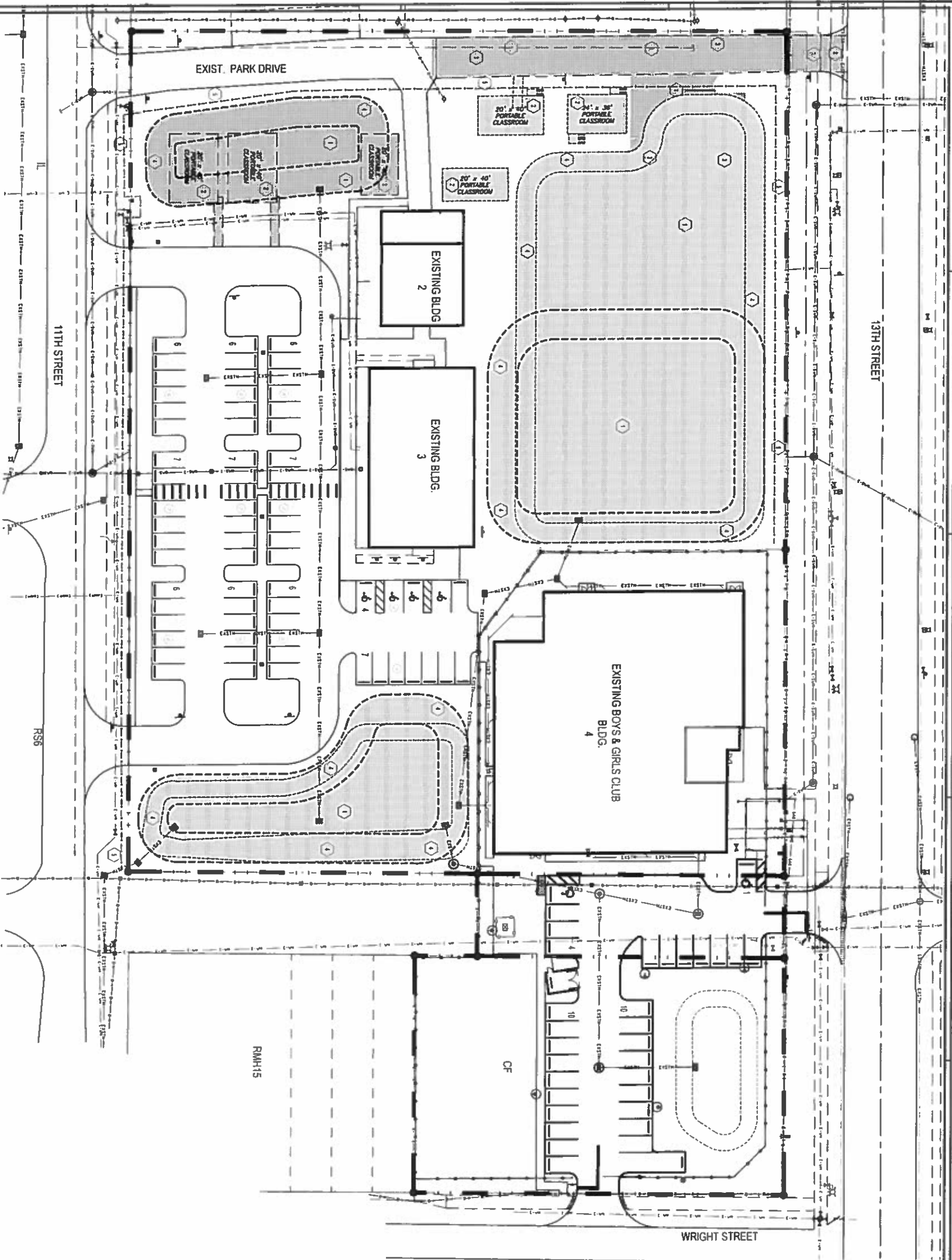
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01 OVERALL SITE DEMO PLAN
SCALE: 1/8" = 1'-0"
GRAPHIC SCALE
TRUE NORTH

DEMOLITION PLAN GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE STATUS OF PERMITS FROM LOCAL AGENCIES AND FROM COORDINATING THE DEMOLITION WITH THE INSTALLATION OF NEW UTILITIES AND SERVICES AS SHOWN IN THE CONTRACT DOCUMENTS. REFER TO THE NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED, BUT NOT SHOWN ON DEMOLITION PLANS.
- REFER TO THE CIVIL, ELECTRICAL, MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL DEMOLITION NOTES.
- MECHANICAL AND ELECTRICAL UTILITIES SHOULD BE CAPED AND ABANDONED SHALL BE LOCATED BEHIND FINAL FINISH SURFACES.
- WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON THE SLAB OR AS SPECIFICALLY NOTED. MATCH WITH NEW CONCRETE TO BE PLUSH WITH THE EXISTING FLOOR SLAB.
- WHEN UTILITIES ARE CUT AND/OR EXISTING WALL, THE OPENING SHALL BE A MINIMUM OF 1'-0" LONGER THAN THE FINISHED OVERHEAD REQUIRED TO ALLOW FOR A MINIMUM OF NEW CABLE TIGHTENED IN PLACE.
- TELEPHONE SERVICE, CABLE AND SATELLITE SERVICE SYSTEMS ADDRESS REQUIRED AS NOTED ON THE DEMOLITION PLAN.
- REMOVE EXISTING ROOMS WITH DISPOSED LINES ON THE DRAWING WHETHER OR NOT EXISTENCE IS SPECIFICALLY NOTED TO BE REMOVED.
- AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLAT WITH EXISTING CONDITIONS.
- MATERIALS OF DEMOLITION SHALL BE CAPPED OR OFF SITE UNLESS SPECIFIC OTHERWISE BY OWNER.
- OWNER SHALL HAVE FIRST RIGHTS OF REDEMPTION FROM DEMOLITION OPERATIONS.
- WHERE WALLS ARE SHOWN TO BE REMOVED, REMOVE ALL ITEMS IN THE WALLS (ELECTRICAL, PLUMBING, ETC.) PER ALL APPLICABLE CODES AND STANDARDS.
- MAINTAIN THE CODES RECOMMENDED FOR ALL APPLICABLE CODES AND STANDARDS THROUGHOUT CONSTRUCTION.
- COORDINATE REMOVAL OF UNDERGROUND UTILITIES WITH OWNER DRAWINGS.

SITE PLAN DEMOLITION NOTES

1. DEMOTES EXISTING TO BE DEMOLISHED TYPICAL.
 2. DEMOTES AREA OF DEMOLITION & AREA OF WORK FOR THE PROJECT. REMOVE EXISTING CONC. FINISH, SLAB, LANDSCAPE ETC. A NEW CONCRETE FINISH SHALL BE INSTALLED IN THESE AREAS.
 3. CONTRACTOR IS TO REMOVE BLOCK, BRICK, SANDSTON AND REMOVE ALL SERVICES, CONNECTING EXISTING UTILITIES, UTILITIES TO IN THE BLOCK, (ELECTRICAL, MECHANICAL, PLUMBING, ETC.) REFER TO THE NEW CONSTRUCTION DOCUMENTS FOR DEMOLITION OF EXISTING UTILITIES, CABLE, PLUMBING, ETC. REMOVE AREA FOR NEW WORK & THE NEW FINISHING AREAS FOR THIS PROJECT REFER TO LANDSCAPE PLAN & CIVIL DWG. FOR MORE INFORMATION.
 4. REMOVE EXISTING LANDSCAPE (GRASS, TREES, SHRUBS, ETC.) AND PREPARE AREA FOR NEW WORK REFER TO LANDSCAPE PLAN & CIVIL DWG. FOR MORE INFORMATION.
 5. REMOVE EXISTING FENCE SYSTEM (POSTS, FOOTINGS, FENCE, ETC.) REFER TO CIVIL FOR MORE INFORMATION ON NEW FENCE.
- GENERAL NOTE: TERMINATE ALL UTILITIES TO CONFORM TO ALL APPLICABLE CODES AND STANDARDS THAT ARE TO BE REMOVED. ONCE A SYSTEM IS TERMINATED FROM A STRUCTURE, REMOVE IN BACK TO THE MAIN POINT OF ENTRY ON THE SITE OR TO THE MAIN POINT OF ENTRY ON THE STREET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION OF THE PROJECT. ALL CONSTRUCTION ACTIVITIES SHALL BE SEPARATED FROM THE OCCUPANCY BY AT LEAST ONE BLOCK ON THE SITE. PROVIDE GATES FOR ACCESS REQUIRED TO AVOID ON THE SITE.

<p>NEW CLASSROOM BUILDING RIVIERA BEACH MARITIME ACADEMY RIVIERA BEACH, FLORIDA CONSTRUCTION DOCUMENTS</p> <p>Comp. No. 214031.00 Date 09-24-14</p>	<p>Ft. Lauderdale 954-486-7910 Ft. Myers 239-275-7774 Jacksonville 904-396-3300 Orlando 407-687-7727 Palm Beach 561-875-0403 St. Petersburg 727-695-4611 Tampa 813-286-8205 West Palm Beach 561-478-4457 AACC00119 www.HarvardJolly.com WEST PALM BEACH, FL.</p>	<p>HARVARD•JOLLY ARCHITECTURE</p>
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 Rev'd: Linda AKA REB

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GENERAL NOTES:

1. COORDINATION OF DRAWINGS AND DISCIPLINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR COMPLETENESS AND ACCURACY. FURTHER CONTRACTOR IS COORDINATE ALL TRADES AND DISCIPLINES PROPERLY. ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING.
2. BUILDINGS. CONTRACTOR IS ADVISED THAT THERE MAY BE MODIFICATIONS TO SERVICE LINES (WATER, SEWER, GAS, ETC.) AS THE BUILDING DOCUMENTS ARE FINALIZED AND PERMITTED.
3. SAFETY. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE RESPECTIVE UTILITY PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND LINES. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BEFORE EXISTING OVERHEAD LINES PRIOR TO WORKING WITHIN THE VICINITY OF THE LINE.
4. FAMILIARITY WITH SITE CONDITIONS. THE CONTRACTOR SHALL VISIT THE SITE AND ACCUANT MYSELF WITH ALL EXISTING CONDITIONS. MAKE HIS OWN SURFACE INVESTIGATION TO SATISFY HIMSELF AS TO THE SITE AND SUBSURFACE CONDITIONS, BUT SUCH SUBSURFACE INVESTIGATIONS SHALL BE PERFORMED ONLY UNDER THE SCHEDULES AND REPRESENTATION IS MADE AS TO THEIR ACCURACY OR CONSISTENCY. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES TO THE EXTENT NECESSARY TO INSURE COMPLETION OF THE JOB TO THE PROPOSED GRADES INDICATED ON THE DRAWINGS.
5. WORKMANSHIP. ALL WORK SHALL BE PERFORMED IN A WORKMAN-SHIP-LIKE MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND ADOPTED CODES, INCLUDING OSHA.
6. ELEVATIONS. ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1928 (NGVD 29).
7. SITE PLAN. REFER TO ARCHITECTURAL SITE PLAN FOR ADDITIONAL INFORMATION.
8. SURVEY. REFER TO SURVEY FOR ADDITIONAL INFORMATION.
9. BENCHMARK. REFER TO SURVEY FOR BENCHMARK LOCATIONS AND ELEVATIONS.
10. GEOTECHNICAL INVESTIGATION. REFER TO GEOTECHNICAL REPORTS AND BORING LOGS FOR ADDITIONAL INFORMATION & PAVEMENT/EMBANKMENT/RETAINMENT PREPARATION REQUIREMENTS.
11. FIELD LOCATIONS. THE CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO ALL AFFECTED UTILITY OWNERS FOR REMOVAL, RELOCATION AND ALTERATION OF THEIR EXISTING FACILITIES.
12. PROTECTION OF UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF ALL EXISTING AND NEWLY INSTALLED ABOVE GROUND UNDERGROUND AND ON THE SURFACE STRUCTURES AND UTILITIES FROM DAMAGE OR SERVICE DISRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE STRUCTURES, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
13. EXISTING UTILITIES. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE EXISTING UTILITIES SHOWN ON THE PLANS OR FOR ANY EXISTING UTILITIES THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS OF EXISTING UTILITIES. ANY RELOCATIONS OF ANY EXISTING UTILITIES SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY PROVIDER IN A TIMELY MANNER TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY CAUSED DUE TO THE RELOCATION OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE ALLOWED. ALL COSTS ASSOCIATED WITH VERIFICATION, PROTECTION OF EXISTING UTILITIES OR CONNECTION TO THOSE UTILITIES IDENTIFIED ON THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
14. EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER IN THE EVENT OF ANY DISCREPANCIES WITH THE PLANS.
15. FIELD BORDERS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY REQUIRED FIELD REVIEW OR INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY LABOR AND MATERIALS FOR INSPECTION AND/OR TEST. ALL WORK SHALL BE OPEN AND SUBJECT TO REVIEW AND/OR INSPECTION BY AUTHORIZED PERSONNEL OF THE COUNTY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES. ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN THE OWNER'S SHALL BE REPORTED TO THE ENGINEER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY THE ENGINEER OR OWNER.
16. DRAINAGE SITE CONDITIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION IN THE AREA OF CONTACT. ANY PERTINENT SITE CONDITIONS FROM THAT WHICH ARE REFERENCED ON THE PLANS, WHETHER ABOVE OR BELOW THE SURFACE OF THE GROUND, ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE OWNER IN WRITING.
17. REQUIRED PERMITS. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ADOBE BY ALL PERMIT CONDITIONS.
18. DEMATERIALING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ANY DEMATERIALING PERMITS AND/OR APPROVALS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES AND SYSTEMS.
19. EMBANKS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND/OR LICENSES TO COMMENCE CONSTRUCTION.
20. USE OF EXISTING MATERIALS. NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.
21. EXISTING LANDSCAPE. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE PLAN OR DESIGNATED IN THE FIELD.
22. SHOP DRAWINGS. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVEN (7) COPIES FOR MORE IF SPECIFIED IN THE CONTRACT OF SHOP DRAWINGS, PRODUCT DATA, MATERIAL SPECIFICATIONS AND OTHER INFORMATION REGARDING CONSTRUCTION MATERIALS AND STRUCTURES AS REQUESTED BY THE OWNER, ENGINEER OR JURISDICTIONAL AGENCY. SHOP DRAWINGS MUST BE NEATLY PREPARED IN ACCORDANCE WITH THE FOLLOWING: DO NOT PRODUCE CONTROL DOCUMENTS OR COPY STANDARD INFORMATION FROM THE BASIS OF SHOP DRAWINGS. STANDARD INFORMATION PREPARED WITHOUT BEING REFERENCED TO THE PROJECT WILL NOT BE CONSIDERED A SHOP DRAWING.
 - A. BY SUBMITTAL OF ANY SHOP DRAWING OR CATALOG DATA, BEARING AN APPROVAL, STAMP, THE CONTRACTOR REPRESENTS THAT IT HAS DETERMINED AND VERIFIED ALL FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MATERIALS, DIMENSIONS, CATALOG NUMBERS AND SIMILAR DATA, OR WILL DO SO, AND THAT IT HAS CHECKED AND COORDINATED EACH ITEM WITH OTHER APPLICABLE APPROVED SHOP DRAWINGS AND THE CONTRACT REQUIREMENTS.
 - B. SHOP DRAWINGS AND CATALOG DATA SUBMITTED WITHOUT THE CONTRACTOR'S SIGNATURE OR APPROVAL, WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW, APPROVAL, OR SHOP DRAWINGS SAMPLES, OR CATALOG DATA BY THE ENGINEER SHALL NOT AUTHORIZE ANY DEVIATION FROM THE REQUIREMENT OF THE CONTRACT DOCUMENTS.
 - C. ANY PROPOSED SUBSTITUTE OR EQUAL TO THAT SHOWN ON THE CONTRACT DOCUMENTS SHALL BE ACCOMPANIED BY CALCULATIONS SUBSTANTIATING EQUIVALENCY. SHOP DRAWINGS WITH SUBSTITUTE MATERIALS NOT ACCOMPANIED BY CALCULATIONS WILL BE RETURNED WITHOUT REVIEW.
 - D. THE CONTRACTOR SHALL COVER COMPATIBILITY OF PIPE SIZES AND INSERTS DURING SHOP DRAWING AND MATERIALS ORDERING PHASE OF THE PROJECT AND ADVISE THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
 - E. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOG LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.
23. TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTS TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER. THE TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH ALL TESTS, INSPECTIONS, PROCEDURES INCLUDING ALL LABOR, MATERIALS, TIME AND EFFORT IN ORDER TO HAVE ALL WORK DEMONSTRATED BY THE TESTING LABORATORY, ADVISORIES AND TEST TESTS, INSPECTIONS AND PROCEDURES ARE INCLUDED IN THE BID.
24. RECORD DRAWINGS. RECORD DRAWINGS SHALL BE SUBMITTED IN SUFFICIENT QUANTITIES AS REQUIRED BY THE OWNER, ENGINEER AND JURISDICTIONAL AGENCIES TO COMPLETE THE CLOSEOUT OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH ADEQUATE RECORD DRAWING INFORMATION, WHICH HAS BEEN PREPARED BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA. THE INFORMATION SHALL BE PROVIDED ON A 24"x36" REPRODUCIBLE MYLAR. THE SURVEYOR SHALL SIGN AND SEAL THE RECORD DRAWINGS. THE FOLLOWING SHALL BE THE MINIMUM REQUIREMENTS FOR RECORD DRAWING INFORMATION:
 - A. IF REQUIRED BY THE RESPECTIVE AGENCY, THE MYLAR'S SHALL BE 24"x36" 3ML, SEPA MYLAR.
 - B. THE WORDS "RECORD DRAWINGS" SHALL BE WRITTEN IN BOLD LETTERS IN A CONSISTENT PLACE, NO RUBBER STAMP OR MYLAR'S SHALL BE ACCEPTED.
 - C. ANY SIGNIFICANT CHANGES IN ALIGNMENT, PIPE CONFLICTS, LOCATION OF STORM MANHOLES, CATCH BASINS, ETC. SHALL BE SHOWN TO SCALE ON RECORD DRAWINGS. THE "PROPOSED ALIGNMENT" ETC. SHALL BE CROSSED OUT.
 - D. THE DRAWINGS SHALL BE LEGIBLE AND THE RESULT DIMENSIONS EASY TO IDENTIFY.
 - E. THE DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE PRESENTING AS CONSTRUCTED SHALL BE SHOWN ON THE PLAN SHEET NEXT TO PROPOSED DIMENSIONS. THE "PROPOSED" NUMBERS RECORD DRAWING INFORMATION SHALL BE PROVIDED FOR THE CONTROL STRUCTURE, INCLUDING ALL PIPE INSERTS AND PIPE SIZES, BOTTOM ELEVATION OF STRUCTURE AND ELEVATIONS AND DIMENSIONS SHALL BE PROVIDED ON THE YEAR, THE BLEEDER CORNER AND THE PLOTTING CONTROL (LAYOUT IF APPLICABLE). THE PERMITS BEING ELEVATIONS ADJACENT TO THE PROPERTY LINES SHALL BE PROVIDED EVERY 200 LINEAR FEET MINIMUM.
 - F. CROSS SECTIONS OF DRY DETENTION AREAS AND SECTIONS SHALL BE TAKEN EVERY 200 LINEAR FEET MINIMUM. CROSS SECTIONS SHALL DEPICT THE PROPOSED AND AS-BUILT DATA INCLUDING ALL GRADE BREAKS.
25. FINAL UTILITY ADJUSTMENTS. ALL UTILITIES SHALL BE ADJUSTED TO NEW FINISH GRADES AND PROPERLY SET TO PAVEMENT CROSS SLOPE AS REQUIRED.

SITE DEMOLITION AND EROSION CONTROL NOTES:

1. SITE ACCESS. SUITABLE STABILIZED ROADS ARE TO BE PROVIDED DURING CONSTRUCTION FOR FIRE AND PARAMEDICAL ACCESS.
2. SITE. CONTRACTOR ACCEPTS THE SITE AS IS. ANY REPAIRS TO EXISTING SITE ELEMENTS INCLUDING PAVEMENT, SIDEWALKS, CURBING, DRAINAGE, SANITARY SEWER WATER, SOAKAGE & STRIPING SHALL BE INCLUDED IN THE BID PRICE.
3. EROSION CONTROL. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND TURBIDITY BARRIERS PRIOR TO AND DURING CONSTRUCTION TO PREVENT VIOLATION OF STATE WATER QUALITY STANDARDS FOR OFF-SITE DISCHARGES. THESE BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED. SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. REFERENCE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDICES 102, 103 AND 104 FOR TYPICAL INSTALLATION DETAILS.
4. FILTER FABRIC. FILTER FABRIC SHALL BE INSTALLED ON ALL CATCH BASIN GRATES AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
5. ADJACENT IMPACTS. CONTRACTOR SHALL PROTECT ADJACENT WATER BODIES, WETLANDS AND PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
6. SILT FENCES. SILT FENCES SHALL BE INSTALLED AND MAINTAINED AROUND ALL CLEARING PERIMETERS.
7. SITE CLEARING. CLEAR AREAS INDICATED SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER DEBRIS AND OBSTRUCTIONS REMAIN ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND. THIS DEBRIS SHALL BE DISPOSED OF IN A LEGAL MANNER. BURNING OF THIS MATERIAL IS NOT PERMITTED UNLESS THE CONTRACTOR OBTAINS SPECIFIC PERMITS ALLOWING SUCH ACTIVITY.

GEOMETRIC BORDERS AND STRIPING NOTES:

1. DIMENSIONS. ALL DIMENSIONS TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
2. REFERENCES. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, FOOT TRAFFIC DESIGN STANDARDS, LATEST EDITION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION AND THE PALM BEACH COUNTY TRAFFIC DESIGN STANDARDS, SUCH AS GEOMETRIC DATA (G-1) THROUGH G-13. ALL TRAFFIC CONTROL DEVICES ARE INCORPORATED INTO THE PLAN DOCUMENTS. CONSTRUCTION IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF THE LATEST EDITION OF THE REFERENCES.
3. PARKING LOT STRIPING. ALL PARKING SHALL STRIPING SHALL BE TRAFFIC PLANT AND CONFORM TO THE RESPECTIVE JURISDICTIONAL AUTHORITY REQUIREMENTS.
4. ROADWAY STRIPING. ALL ROADWAY STRIPING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH THE RESPECTIVE JURISDICTIONAL AUTHORITY REQUIREMENTS.
5. BUILDING SETS AND DIMENSIONS. BUILDING SETS SHOWN ARE APPROXIMATE. CONTRACTORS TO VERIFY WITH ARCHITECTURAL PLANS, BUILDING SHOWN ON THESE DRAWINGS MAY NOT REFLECT LATEST ARCHITECTURAL REVISIONS AND SHOULD NOT BE RELIED UPON FOR STRIPING OF BUILDINGS. CONTRACTOR SHOULD OBTAIN LATEST ARCHITECTURAL INFORMATION AND ESTABLISH GEOMETRIC DATA FOR STRIPING. SHOULD THE CONTRACTOR IDENTIFY A CONFLICT BETWEEN THE ARCHITECTURAL INFORMATION AND THESE DRAWINGS, NOTIFY THE ENGINEER IN WRITING.
6. MAINTENANCE OF TRAFFIC. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING A PROPER TRAFFIC MAINTENANCE AND CONTROL PLAN IN ACCORDANCE WITH THE MUTCD. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. THE PLAN SHALL BE DONE IN ACCORDANCE WITH AGENCY REQUIREMENTS AND ANY REQUIRED PERMITS OR APPROVALS MUST BE OBTAINED FROM THE CONTRACTOR.

PAVING, GRADING AND DRAINAGE NOTES:

1. REFERENCES. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND FOOT ROADWAY TRAFFIC DESIGN STANDARDS, LATEST EDITION. ALL FOOT INDICES ARE INCORPORATED AS PLAN REFERENCES. CONSTRUCTION IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF THE LATEST EDITION OF THE FOOT INDICES.
2. SITE FAMILIARIZATION. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXISTING ORGANIC MATERIAL. ADEQUATE QUANTITIES OF EXISTING MATERIALS AS FILL TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE BRINDING PRIOR TO USE AS BACKFILL AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIAL, AT NO EXTRA COST FROM OFF-SITE TO MEET THE REQUIREMENTS FOR COMPACT AND PROPER FILL.
3. SITE FILL BALANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL DURING THE BID PREPARATION TO DETERMINE IF ANY OFF-SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.
4. RESTORATION. ALL DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AS DETERMINED BY THE ENGINEER, OWNER AND RESPECTIVE JURISDICTIONAL AUTHORITY.
5. HORIZONTAL CONTROL AND LAYOUT. CONTRACTOR/OWNER SHALL COORDINATE WITH A REGISTERED SURVEYOR TO LAY OUT LINE GRADES, STRUCTURES, LOT CORNERS, ETC. AS NECESSARY TO CONSTRUCT THE PROPOSED FACILITIES IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. BENCH MARKS SHALL BE DESTROYED. HORIZONTAL CONTROL SHALL SIMILARLY BE ESTABLISHED AND MAINTAINED.
6. CLEARING, GRADING AND ASPHALT. CLEARING AND GRADING SHALL CONFORM TO SECTION 110 OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. CLEARING SHALL BE CONTINUED TO THE CONSTRUCTION AREA AND/OR AS DIRECTED BY THE OWNER AND/OR HIS REPRESENTATIVE. ALL ROOTS, STUMPS, OR OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF 18" BELOW NATURAL GRADE OR DESIGN GRADE WHICHEVER IS LOWER. ALL DEBRIS SHALL BE REMOVED FROM THE AREA AND BE DISPOSED OF LEGALLY.
7. EXCAVATION AND EMBANKMENT. ALL EXCAVATION AND EMBANKMENT SHALL CONFORM TO THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. EARTHWORK. NO SEPARATE PAYMENT SHALL BE PROVIDED TO THE CONTRACTOR FOR EARTHWORK ASSOCIATED WITH THIS CONTRACT. ALL COSTS ASSOCIATED WITH SITE PREPARATION NECESSARY TO EXECUTE THE WORK SET FORTH IN THE CONTRACT SHALL BE INCLUDED IN THE BID.
9. EXCESS MATERIAL. ANY EXCESS MATERIAL REMAINING UPON COMPLETION OF CONSTRUCTION SHALL BE REMOVED TO AN ACCEPTABLE LOCATION AT THE EXPENSE OF THE CONTRACTOR. AT THE OWNER'S OPTION, A LOCATION MAY BE IDENTIFIED FOR MATERIAL STOCK PILING OR THE OWNER MAY INSTRUCT THE CONTRACTOR TO REMOVE THE EXCESS MATERIAL IN WHICH CASE THE CONTRACTOR IS TO LEGALLY DISPOSE OF ALL MATERIALS OFF-SITE.
10. FINISHED SITE GRADING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL GRADING OF THE SITE TO WITHIN ±0.1 FOOT OF ALL THE PROPOSED FINISHED GRADE INDICATED ON THE PLANS UNLESS APPROVED DIFFERENTLY IN WRITING.
11. BUILDING AREAS. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL IN BUILDING OR PAVEMENT AREAS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS AND SOUND CONSTRUCTION PRACTICES.
12. LANDSCAPE AREAS. ALL LANDSCAPE ISLANDS SHALL CONTAIN SUITABLE LANDSCAPE MATERIAL FOR LANDSCAPE INSTALLATION. ALL LANDSCAPE AREAS SHALL BE SUITABLY SLOPED TO PROVIDE FOR THE DRAINAGE.
13. SOIL AREAS. ELEVATIONS OF GRASED AREAS ARE GIVEN AT FINISHED SOIPOSED GRADE. CONTRACTOR TO GRADE AREAS RECEIVING SOIL LOWER TO ACCOMMODATE SOIL THICKNESS.
14. UNSUITABLE MATERIALS. WHERE ENCOUNTERED, UNSUITABLE MATERIAL SHALL BE REMOVED TO A DEPTH AND AREA DETERMINED BY THE ENGINEER. BACKFILLING SHALL BE DONE WITH SUITABLE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SUITABLE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND SHALL BE REPLACED BY MATERIAL ACCEPTABLE TO THE ENGINEER. IF ANY ROCK, UNDRYAN, ETC. IS ENCOUNTERED DURING CONSTRUCTION OF ANY ITEMS, THE REMOVAL AND BACKFILL REQUIRED SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THAT ITEM AND NO SEPARATE PAYMENT WILL BE MADE.
15. GRADING. GRADING FROM PROPOSED TO EXISTING CONDITIONS SHALL NOT BE STEEPER THAN 3H:1V NOR FLATTER THAN 20H:1V. ALL SWALES AND SLOPES SHALL BE SLOPED AFTER GRADING.
16. ELEVATIONS. ELEVATIONS GIVEN INDICATED TO CURB OR FRONT OF SIDEWALK ARE CONSIDERED EDGE OF PAVEMENT GRADES UNLESS OTHERWISE NOTED.
17. POSITIVE DRAINAGE. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENT TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSMONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION CAN BE MADE.

DOCUMENTS PREPARED BY:



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CDI PROJECT No. 14413

GENERAL NOTES

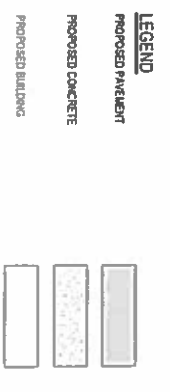
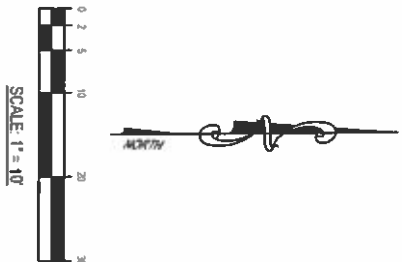
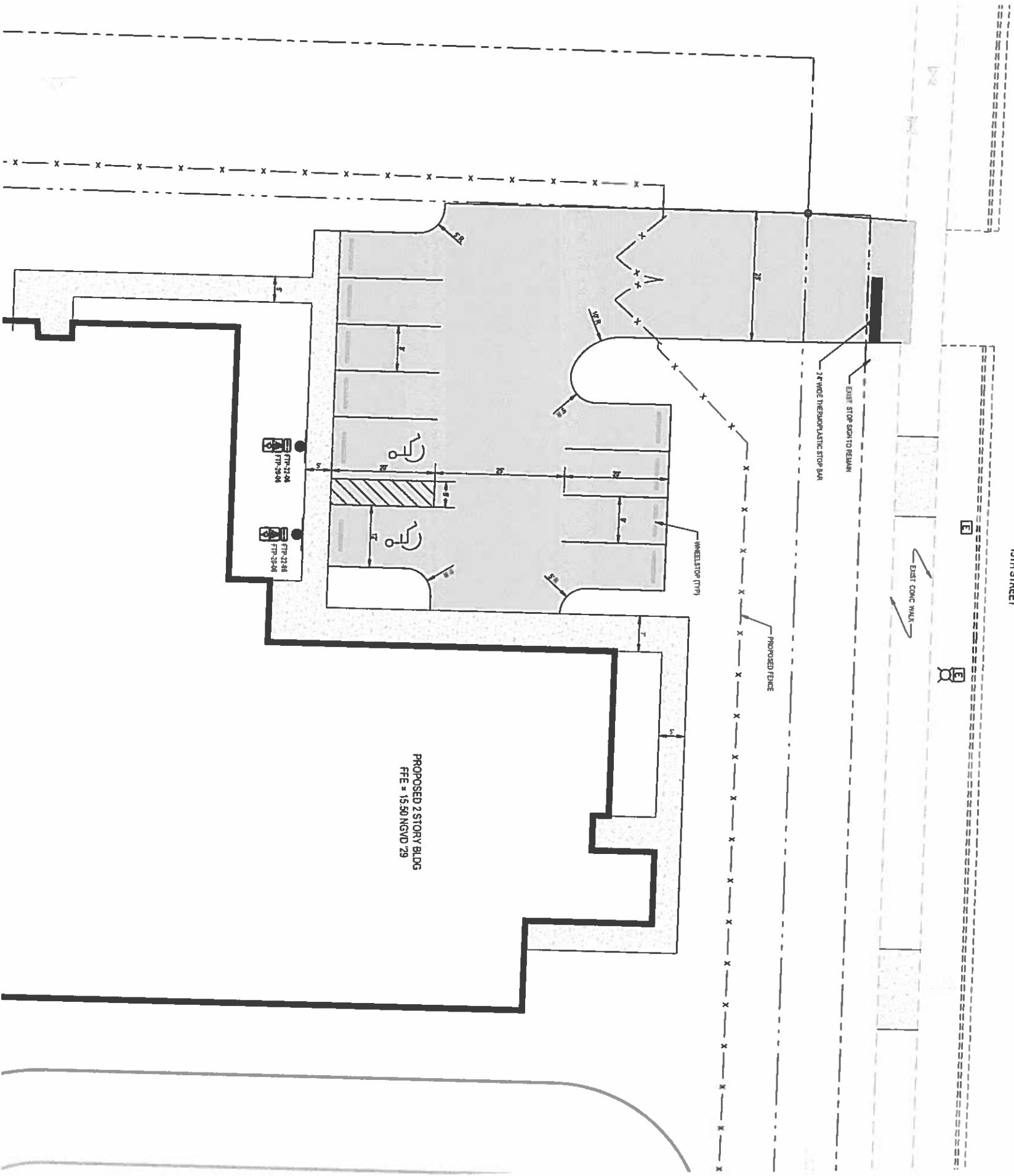
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**NEW CLASSROOM BUILDING
 RIVIERA BEACH MARITIME ACADEMY**
 RIVIERA BEACH, FLORIDA
 CONSTRUCTION DOCUMENTS

Contract No. 214031.00
 Date: 09-24-14

FL: Lauderdale 854-496-7310
 FL: Myers 239-275-7774
 Jacksonville 904-396-2000
 Orlando 407-597-8972
 Punta Gorda 941-575-0403
 St. Petersburg 727-696-4611
 Tampa 813-286-8206
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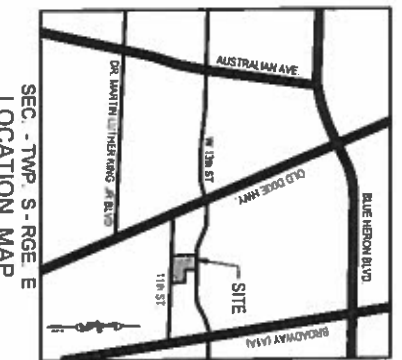
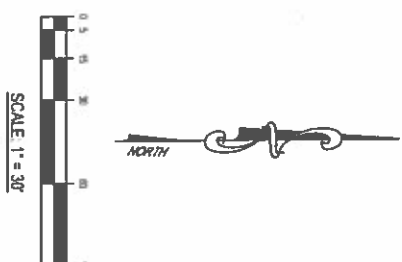
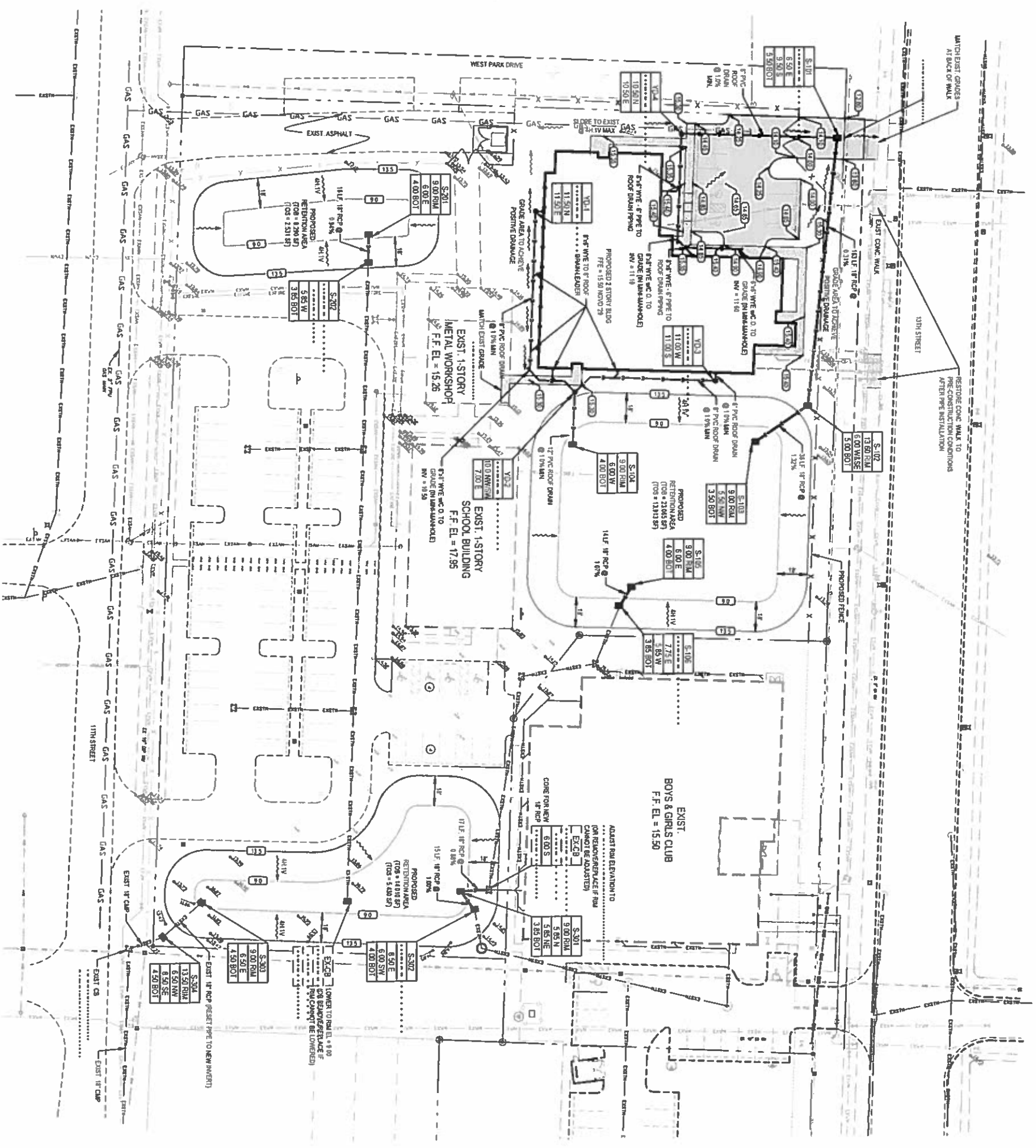
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Engineering Division No. 9964
CDI PROJECT NO. 14413

SIGNING, STRIPING, & GEOMETRIC PLAN

<p>NEW CLASSROOM BUILDING RIVIERA BEACH MARITIME ACADEMY RIVIERA BEACH, FLORIDA CONSTRUCTION DOCUMENTS</p>	<p>FL: Lauderdale 854-486-7910 FL: Myra 239-275-7774 Jacksonville 904-396-3300 Orlando 407-667-7727 Punta Gorda 941-575-0403 St. Petersburg 727-896-8511 Tampa 813-286-8206 West Palm Beach 561-478-4457 AAC000119 www.HarvardJolly.com WEST PALM BEACH, FL</p>	<p>HARVARD•JOLLY ARCHITECTURE</p>
	<p>Drawn: 09-24-14 Date: 09-24-14 Sheet: 214031.00 CDI PROJECT NO. 14413</p>	

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LEGEND

- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM DRAINAGE
- STRUCTURE NUMBER
- RAIL ELEVATION
- WRENT
- STRUCTURE BOTTOM

PROPOSED STORM DRAINAGE LINE
 W/ STRIP STRUCTURE

PROPOSED SANITARY SEWER SERVICE LINE

PROPOSED WATER SERVICE LINE

PROPOSED PAVEMENT

PROPOSED BUILDING

PROPOSED CONCRETE

EXISTING ELEVATIONS

PROPOSED ELEVATIONS

NOTES

1. STRUCTURES BASED ON USER PROVIDED CONSTRUCTION TO FIELD VERIFY

2. TO VARIOUS DRAINAGE BASINS

DRAINAGE STRUCTURE CHART

STRUCTURE NUMBER	STRUCTURE TYPE	DATE/TIME	W/ RELATED GRANTS
S-301
S-302

DRAINAGE STRUCTURE CHART

STRUCTURE NUMBER	STRUCTURE TYPE	DATE/TIME
S-303
S-304

DRAINAGE STRUCTURE CHART

STRUCTURE NUMBER	STRUCTURE TYPE	DATE/TIME
S-305
S-306



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CD PROJECT No. 14413

**NEW CLASSROOM BUILDING
 RIVIERA BEACH MARITIME ACADEMY**
 RIVIERA BEACH, FLORIDA
 CONSTRUCTION DOCUMENTS

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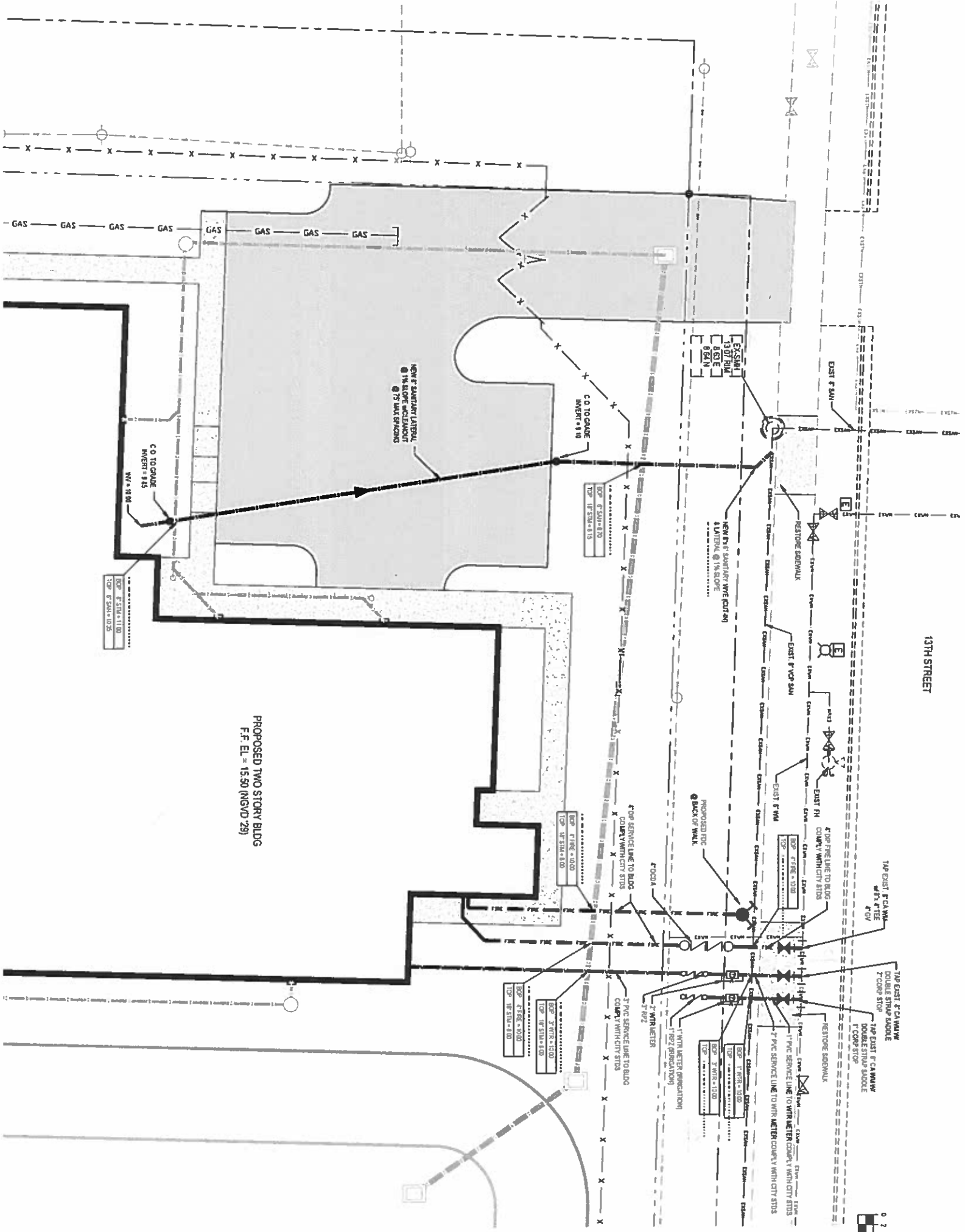
PAVING, GRADING, & DRAINAGE PLAN

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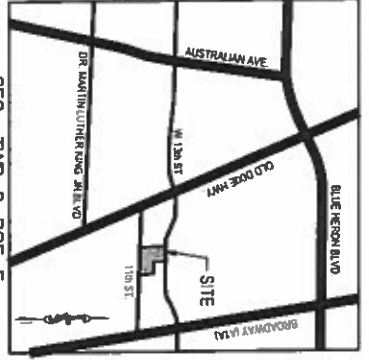
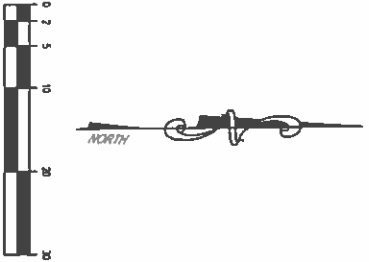


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 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 PROJECT NO: 214031 00

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PROPOSED TWO STORY BLDG
F.F. EL. = 15.50 (NGVD 29)



LEGEND

EXISTING WATERMAIN	-----
EXISTING SANITARY SEWER	-----
EXISTING STORM DRAINAGE	-----
PROPOSED STORM DRAINAGE LINE	-----
PROPOSED SANITARY SEWER SERVICE LINE	-----
PROPOSED WATER SERVICE LINE	-----
PROPOSED PAVEMENT	-----
PROPOSED BUILDING	-----
PROPOSED CONCRETE	-----

DOCUMENTS
PREPARED BY



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Engineering Division No. 9644

CDI PROJECT No. 14413

POTABLE WATER & SANITARY SEWER PLAN

NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

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St. Petersburg 727-896-4611
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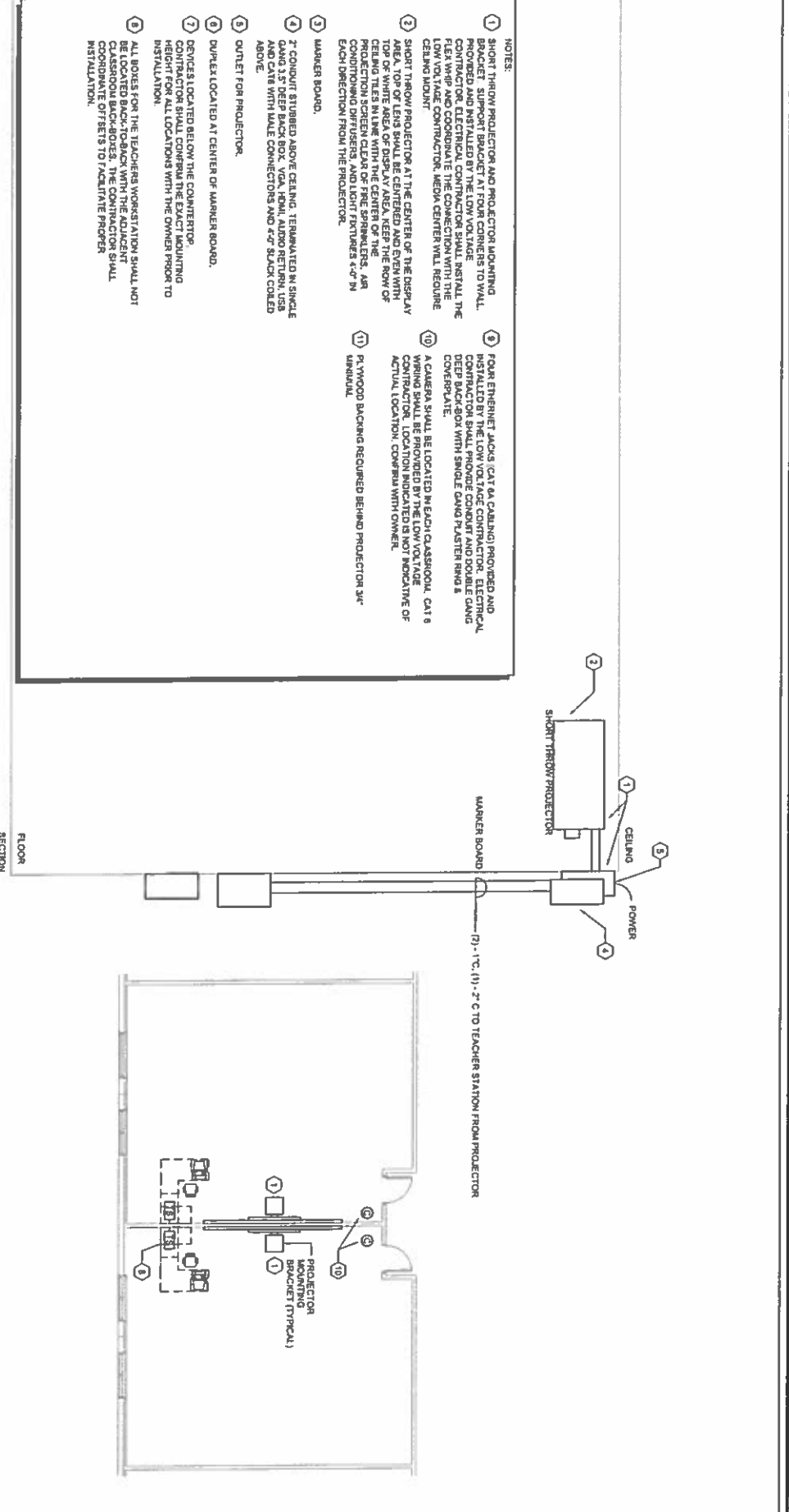
SYSTEMS GENERAL NOTES

- SMART BOARD:**
 - 1.1. Classroom, specialty room, conference room, and multipurpose room will receive a smart board furnished by owner.
 - 1.2. Each location will require a CAT 6 cable, terminated in a face plate, located as indicated on the drawings.
 - 1.3. Cable and face plates shall be labeled with room number.
 - 1.4. Patch panels and cables shall be electronically labeled with room number for future use.
 - 1.5. Patch panels shall be labeled with room number for future use.
 - 1.6. Patch panel location, cable schedule, labeled locations and test results.
- SECURITY SYSTEM:**
 - 2.1. Provide (1) control panel with keypad that has capacity for extended zone modules and capability to bypass.
 - 2.2. Provide door contacts at exterior doors.
 - 2.3. Provide motion detectors in first floor corridors to monitor window access.
 - 2.4. Provide complete alarm system package with tracking, support and monthly monitoring proposal.
 - 2.5. Detectors shall be installed on all exterior doors with the exception of main front doors.
 - 2.6. Motion detectors shall be installed in all exterior doors that allow administration to communicate with visitors.
- CTV:**
 - 3.1. Provide a complete system with camera hardware, wiring, monitor and installed software. Training will be provided by owner.
 - 3.2. Camera shall be color, motion activated with remote viewing and a monitor provided in the IT area. Camera shall also have zoom and pan features with a moderate to high resolution to be able to view facial features on video.
 - 3.3. Provide (1) day storage capability with automatic rollover.
 - 3.4. Provide (1) storage for all camera footage in all corridors, stairwells, corridors, multipurpose room and exterior playground areas.
 - 3.5. Dedicated monitor to be provided and located in administration area, coordinate with owner.
- PHONE SYSTEM:**
 - 4.1. PA system shall connect the administration area with all student occupied areas.
 - 4.2. All call phones may utilize a separate system with non-voicemail wired ceiling speakers.
 - 4.3. Speakers are required in all classrooms, group/recreation, corridors, multipurpose rooms and exterior play areas.
 - 4.4. PA system shall be multi-zoned in the IT room and to the all call microphone on thru phone handset in the administration area.
 - 4.5. (2) wireless microphones will be required for classrooms.
 - 4.6. PA system shall be multi-zoned, one for multipurpose room and one for the balance of the facility.
 - 4.7. All classrooms, main classrooms, teacher rooms, resource rooms, specialty classrooms, and multipurpose room shall have a dedicated system through the school through a station port.
 - 4.8. PA system shall interface through the school through a station port.
- BELL SYSTEM:**
 - 5.1. Bell system is through the speakers provided above and requires a minimum of (6) programmable zones.
 - 5.2. Master clock, a wireless clock system controlled by a master clock may be utilized.
 - 5.3. Clock/bell system shall be interconnected.

VOICE/DATA GENERAL NOTES

- IT ROOM:**
 - 1.1. IT room will be designed by owner to include cable trays and floor mounted equipment racks.
 - 1.2. Provide two post racks for patch panels as needed.
 - 1.3. Provide two post racks for patch panels as needed.
 - 1.4. Cat 6 cable to be standard.
- GENERAL:**
 - 2.1. Provide all structured cabling.
 - 2.2. Provide all structured cabling, documentation package will be required.
 - 2.3. (1) on both pre-line IP, IT between voice and data functions as needed.
 - 2.4. Two way voice communication capability shall be provided for all classrooms, teacher rooms, resource rooms, special TV classrooms, multipurpose rooms and serving kitchen. Thru phone handsets shall be utilized in classrooms.
 - 2.5. The classrooms will be limited to the smart board.
 - 2.6. Teacher work rooms and offices will require outside voice access.
 - 2.7. Provide and install 1-port data in the principal, AP, BA, and registrar locations.

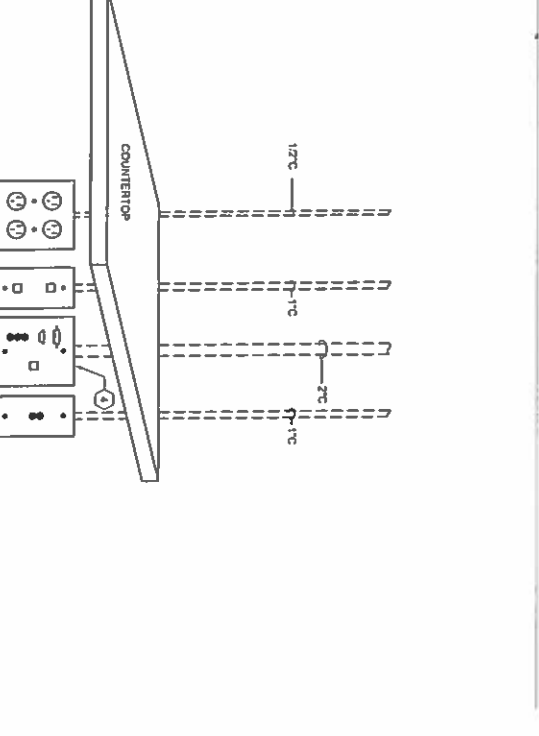
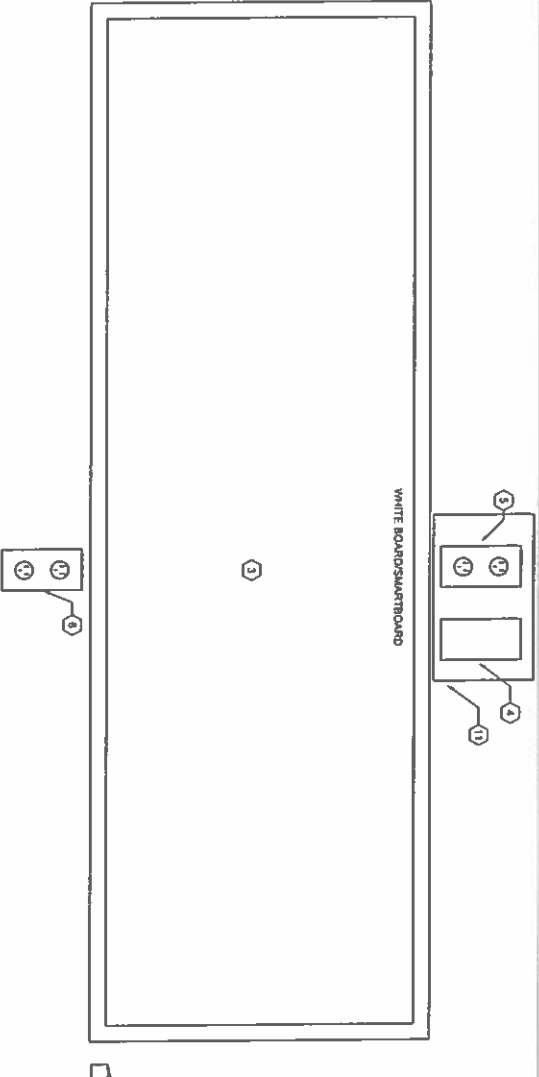
- NOTES:**
1. SHORT THROW PROJECTOR AND PROJECTOR MOUNTING PROVIDED AND INSTALLED BY THE LOW VOLTAGE CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE FLEX WIRE AND COORDINATE THE CONNECTION WITH THE FLEX VOLTAGE CONTRACTOR. MEDIA CENTER WILL REQUIRE CEILING MOUNT.
 2. SHORT THROW PROJECTOR AT THE CENTER OF THE DISPLAY TOP OF THE PROJECTOR SHALL BE CENTERED OVER THE CEILING TIES IN LINE WITH THE CENTER OF THE PROJECTION SCREEN CLEAR OF FIRE SPRINKLERS, AIR CONDITIONING DIFFUSERS, AND LIGHT FIXTURES 4'-0" IN EACH DIRECTION FROM THE PROJECTOR.
 3. MARKER BOARD.
 4. 2" CONDUIT STUBBED ABOVE CEILING, TERMINATED IN SINGLE GANG 1.5" DEEP BACK BOX, VCA, HSM, AUDIO RETURN, USB AND CANS WITH WALE CONNECTIONS AND 4'-0" SLACK COILED ABOVE.
 5. OUTLET FOR PROJECTOR.
 6. DUPEX LOCATED AT CENTER OF MARKER BOARD.
 7. PORTS LOCATED BELOW THE COUNTERTOP. CONTRACTOR SHALL PROVIDE THE HEIGHT COUNTING HEIGHT FOR ALL LOCATIONS WITH THE OWNER PRIOR TO INSTALLATION.
 8. ALL BAYS FOR THE TEACHERS WORKSTATION SHALL NOT BE USED FOR ANY OTHER PURPOSES. THE CONTRACTOR SHALL COORDINATE OFFSETS TO FACILITATE PROPER INSTALLATION.
 9. POKE ETHERNET JACKS (CAT 6A CABLE) PROVIDED AND CONTRACTOR SHALL PROVIDE COVERPLATE AND POSSIBLE SINGLE DEEP BACKBOX WITH SINGLE GANG PLASTER RING & COVERPLATE.
 10. A CAMERA SHALL BE LOCATED IN EACH CLASSROOM. CAT 6 WIRING SHALL BE PROVIDED BY THE LOW VOLTAGE CONTRACTOR. LOCATION INDICATED IS NOT INDICATIVE OF ACTUAL LOCATION, COORDINATE WITH OWNER.
 11. PLYWOOD BACKING REQUIRED BEHIND PROJECTOR SUR MOUNT.



1 TYPICAL CLASSROOM WIRING PLAN
 THE COMPONENTS OF THIS DETAIL APPLY TO ALL LOCATIONS WHERE AN AV STATION IS INDICATED. CONDITIONS MAY VARY SLIGHTLY IN ROOMS THAT ARE NOT TYPICAL CLASSROOMS. SEE PLANS FOR NOTES REGARDING MODIFICATIONS.

SCALE: NONE

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 Date: 09-24-14
 Owner: RGD
 Designer: RGD

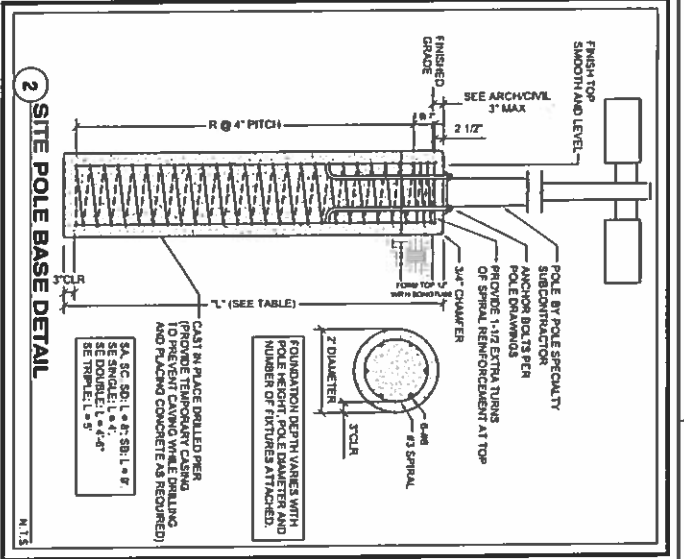
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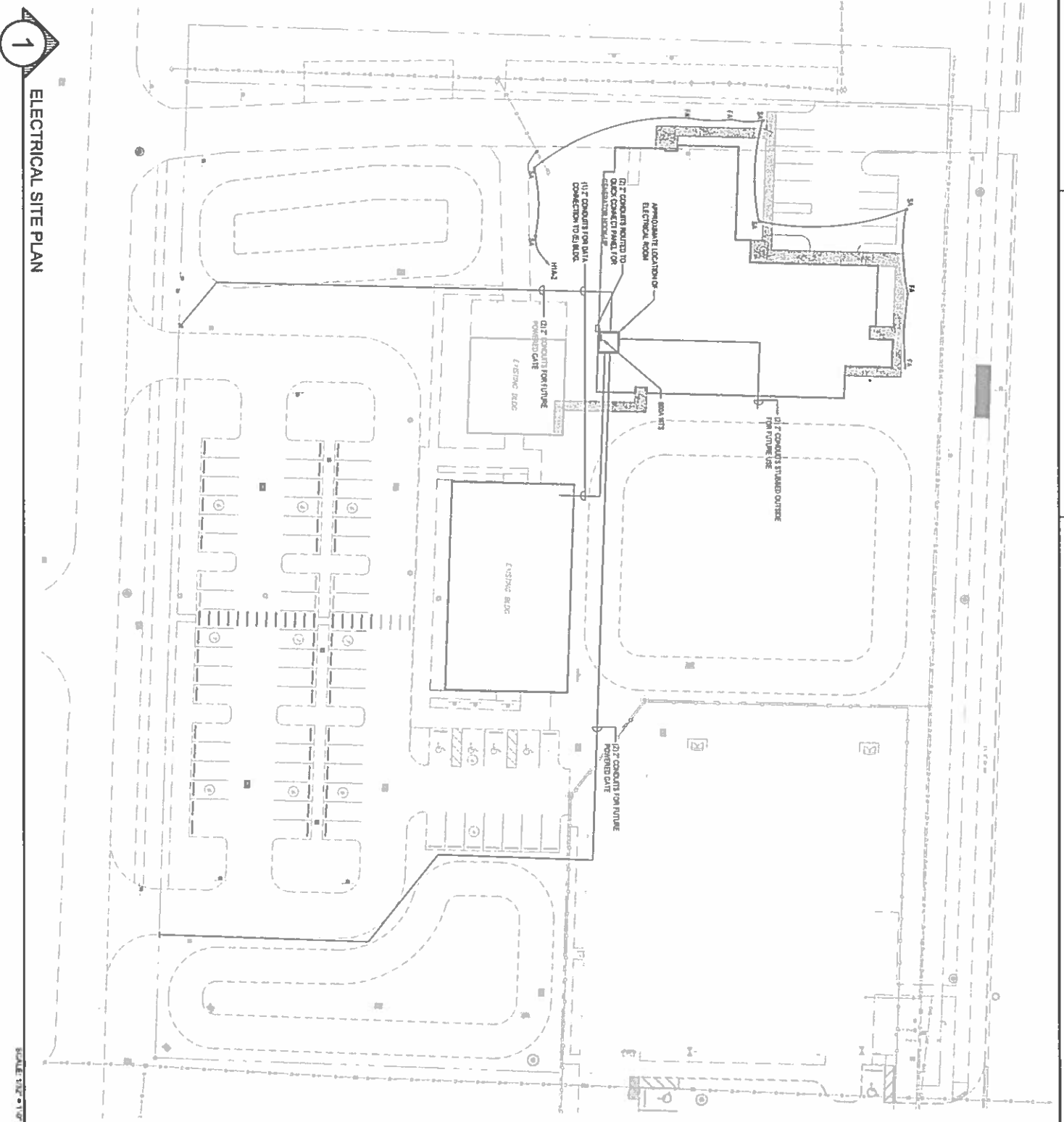
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 DATE: 8.18.2014



LIGHT FIXTURE SCHEDULE

FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NO.	MOUNTING	NO. WATERS	TYPE	VOLTS	REMARKS
FA	COOPER	IDA-150W-4470	POLE	1	150	447	
EA	COOPER	VMS100W-4470	POLE	1	400	447	



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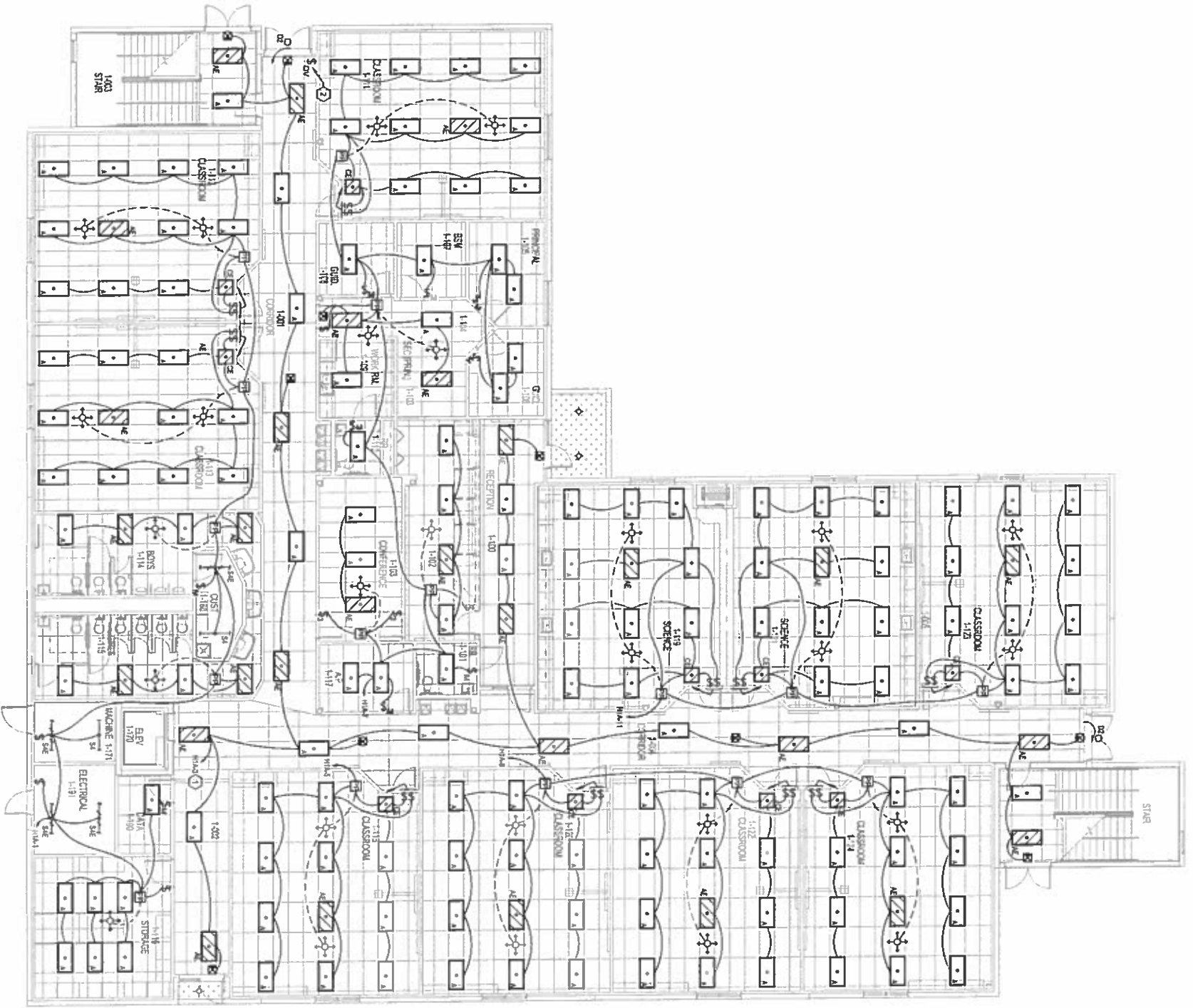
SCALE: 1/8" = 1'-0"

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1

ELECTRICAL 1ST FLOOR LIGHTING PLAN

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



2

TYPICAL CLASSROOM PHOTOMETRIC PLAN

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



LIGHT FIXTURE SCHEDULE

FIGURE DESCRIPTION	MANUFACTURER	CATALOG NO.	HOLDING NO.	LAMPS NO.	LAMP TYPE	VOLTS	REMARKS
A	RECESSED	3008-3331-12-0-0-48-1-U	3	32	T8	120/277	
AE	RECESSED	3008-3331-12-0-0-48-1-U	2	32	T8	120/277	INCLUDES EM BACKUP BATTERY BALLAST
C	RECESSED	3008-3331-12-0-0-48-1-U	2	32	T8	120/277	
CE	RECESSED	3008-3331-12-0-0-48-1-U	2	32	T8	120/277	INCLUDES EM BACKUP BATTERY BALLAST
S4	SURFACE	324-232-0-0-0-0-1-U	2	32	T8	120/277	INCLUDES EM BACKUP BATTERY BALLAST
S4E	SURFACE	324-232-0-0-0-0-1-U	3	32	T8	120/277	INCLUDES EM BACKUP BATTERY BALLAST
☒	BURGLITE	1A778	1	24	LED	120/277	EXT BDRK. FACE/SCHEMING AS REQUIRED.

ELECTRICAL KEY NOTES

1. CIRCUIT CONTROLLED BY LIGHTING CONTACTOR. PROVIDE UNSWITCHED HOT FOR EXIT SIGNS AND EMERGENCY LIGHT FIXTURES.
2. SWITCH FOR OVERIDE CONTROL. EXTEND TO FIRST FLOOR LIGHTING CONTRACTOR IN MAIN ELECTRICAL ROOM.
3. INTERLOCK EXHAUST FAN WITH CORRESPONDING LIGHTING CIRCUIT VIA RELAY.

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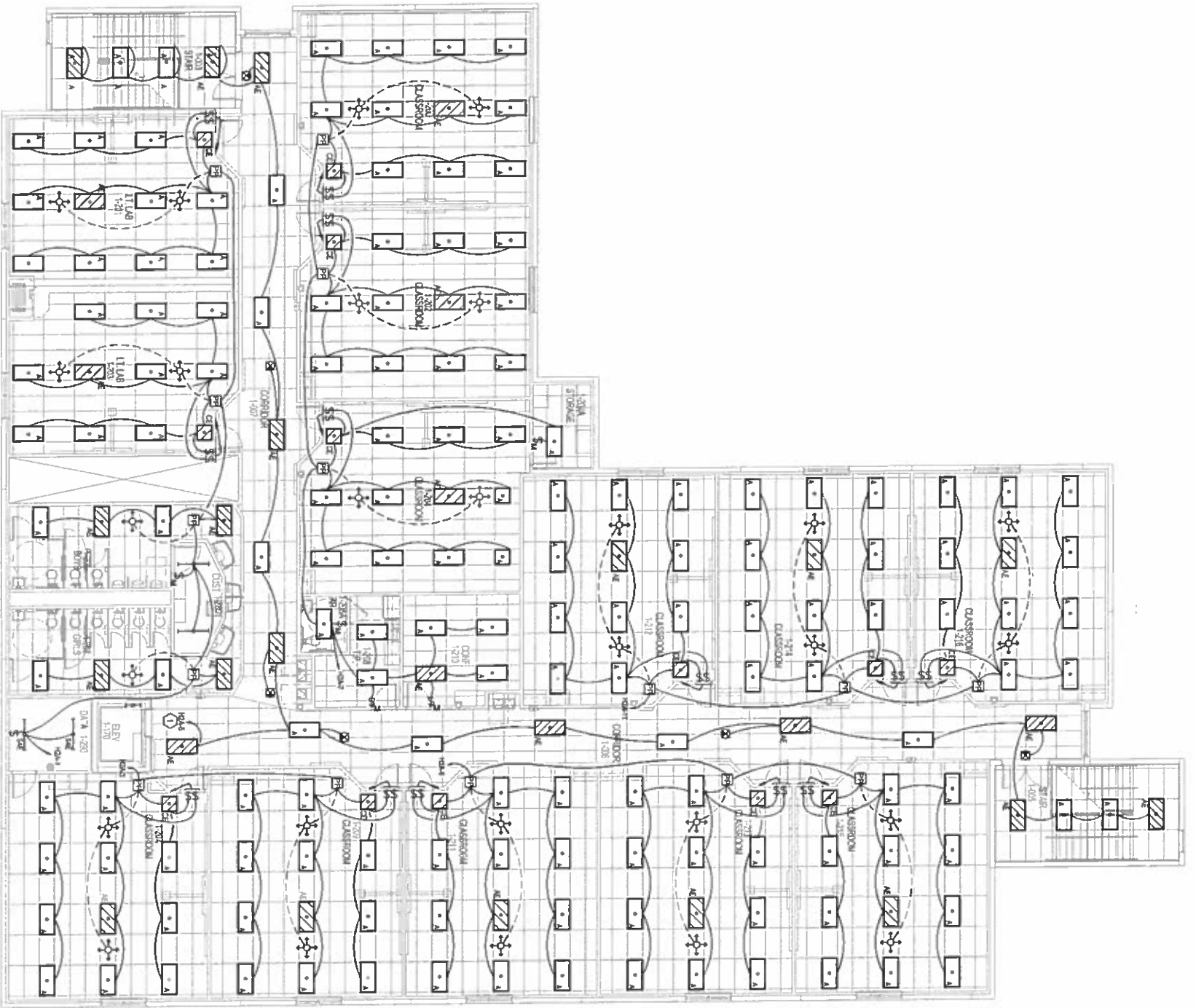
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1

ELECTRICAL 2ND FLOOR LIGHTING PLAN

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

ELECTRICAL KEY NOTES

1. CIRCUIT CONTROLLED BY LIGHTING CONTACTOR. PROVIDE UNSWITCHED HOT FOR EXIT SIGNS AND EMERGENCY LIGHT FIXTURES.
2. INTERLOCK EXHAUST FAN WITH CORRESPONDING LIGHTING CIRCUIT VIA RELAY.

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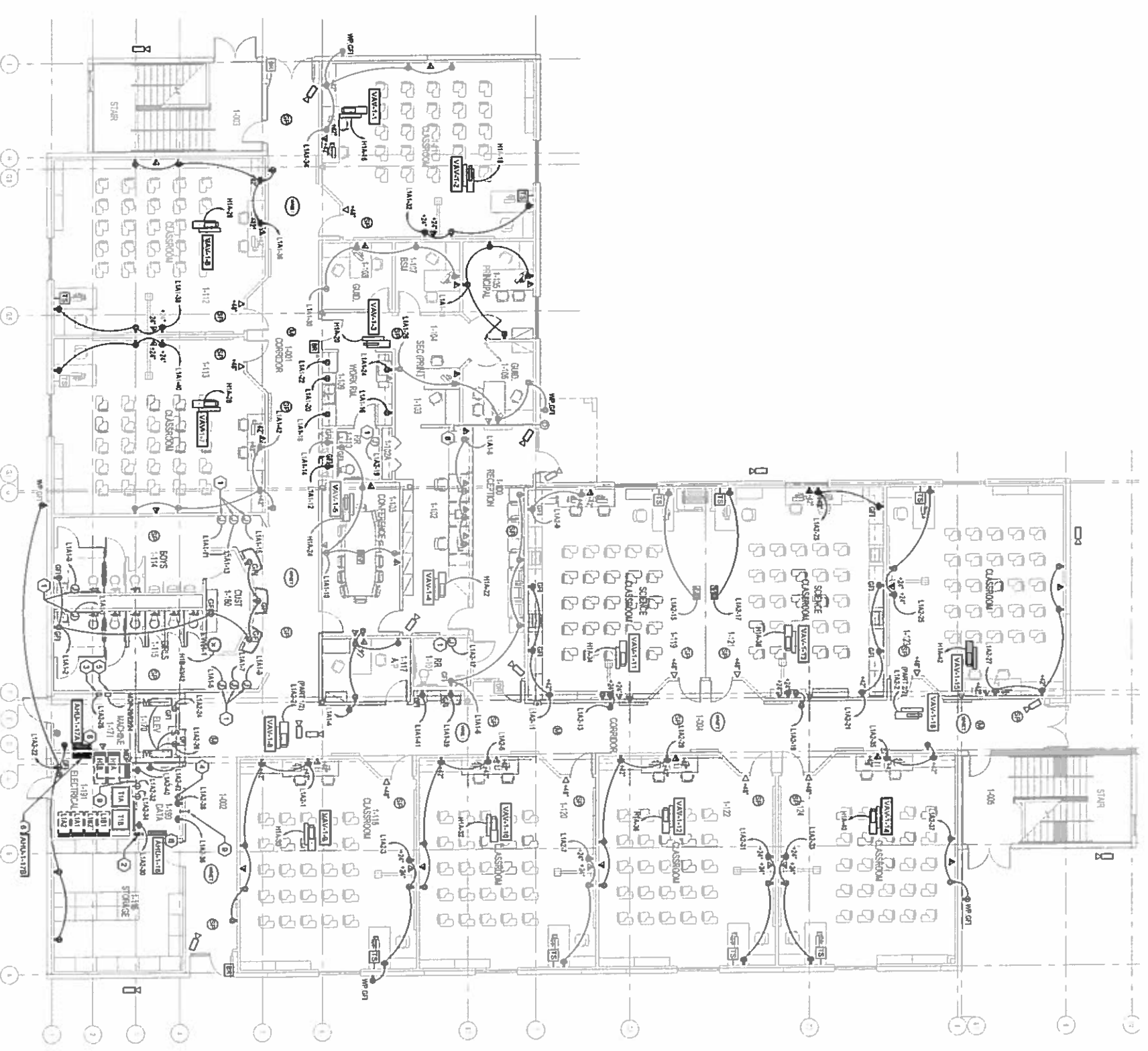
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ELECTRICAL KEY NOTES

1. CIRCUIT FOR HAND DRIVERS.
2. 21" CONDUIT FOR TELEPHONE CABLES AND 11/2" CONDUIT FOR DATA CABLES. PROVIDE 3"x4" FIRE RETARDANT PLYWOOD BACKBOARD ON 3 WALLS FLOOR TO CEILING WITH DRIVING BUSBAR AND AIR GROUND TO BUILDING GROUND SYSTEM.
3. 2"x2" TRUSS FOR ELEVATOR CAB LIGHT CIRCUIT.
4. COORDINATE RECEPTACLE PLACEMENT IN THE 11. ROOM WITH EQUIPMENT TO BE SERVED.
5. 3P-4W RECEPTACLES FOR ELEVATOR MOTOR. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR PROVIDER INCLUDING OVERCURRENT PROTECTIVE DEVICES, DISCONNECTS, WIRING, AND CONDUIT TO MEET MANUFACTURER'S SPECIFICATIONS.
6. PROVIDE 1/2" CONDUIT WITH PULL STRING, ROUTED TO CORRESPONDING CONDENSING UNIT FOR LOW VOLTAGE CONTROL WIRE.
7. APPHONE: PROVIDE 1/2" CONDUIT WITH PULL STRING FROM EXTERIOR DOOR TO RECEPTION. COORDINATE BOTH LOCATIONS WITH OWNER.
8. (1) - 4" SLEEVES FOR VOICEDATA AND SYSTEMS CABLING.



ELECTRICAL 1ST FLOOR POWER PLAN

1

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

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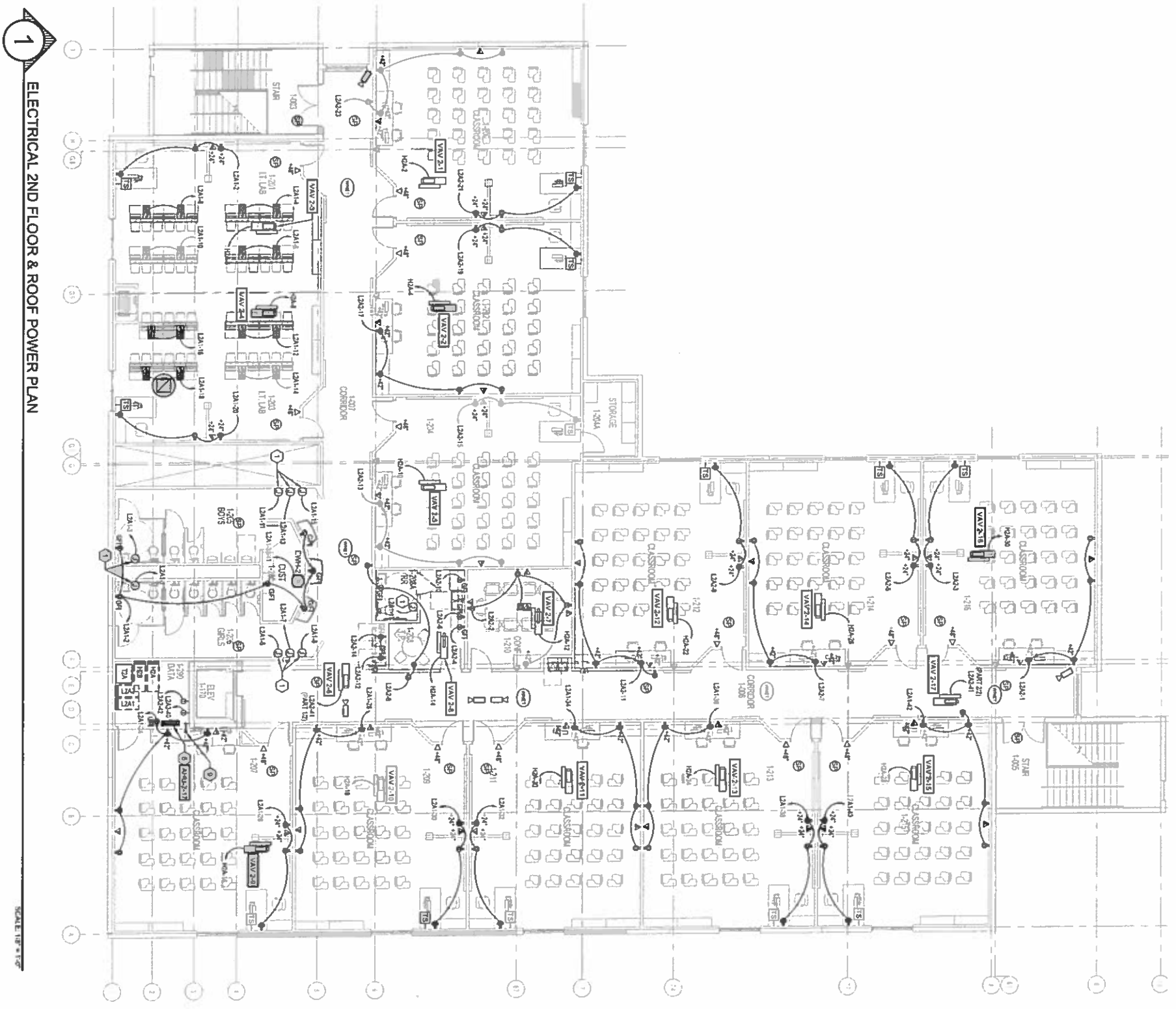
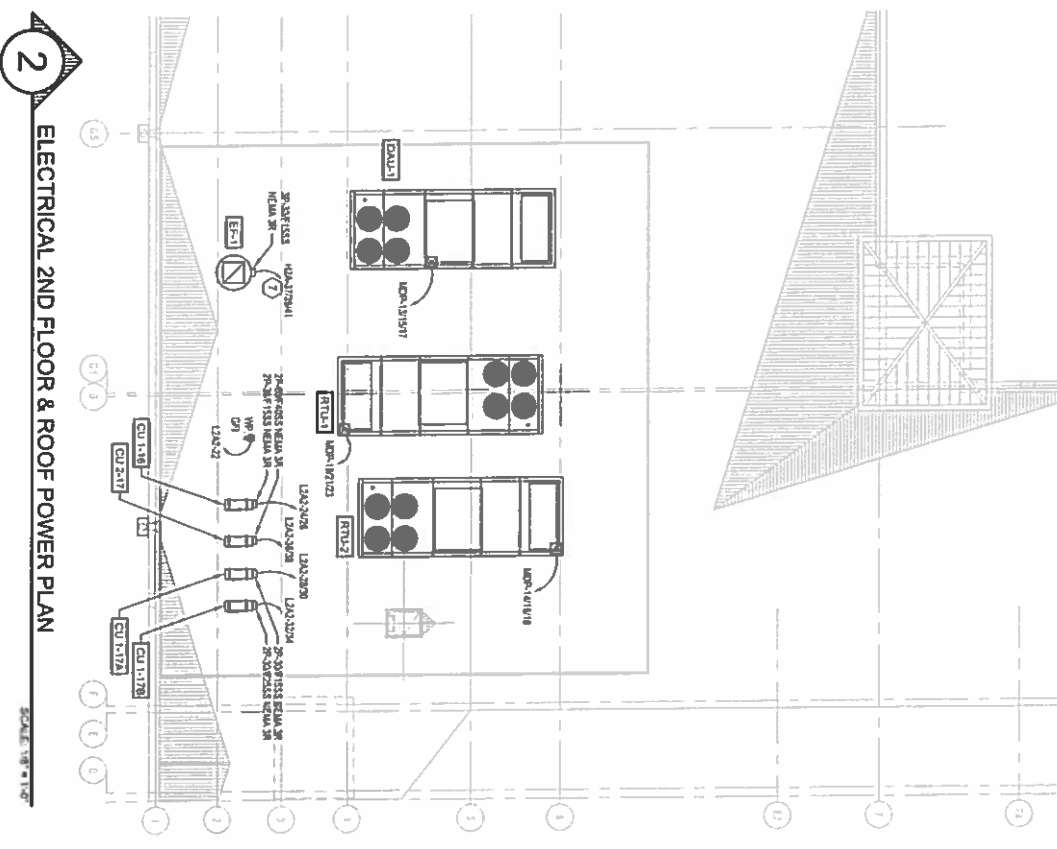
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ELECTRICAL KEY NOTES

1. CIRCUIT FOR HAND DRIVERS.
2. PROVIDE AND INSTALL 1/2" CONDUIT WITH PULL STRING ROUTED TO CORRESPONDING CONDENSING UNIT FOR LOW VOLTAGE CONTROL WIRE.
3. FAN TO BE CONTROLLED BY THE BUILDING MANAGEMENT SYSTEM REFERENCE MECHANICAL PLANS.
4. - 4" SLEEVES FOR VOICEMAIL AND SYSTEMS CABLING.



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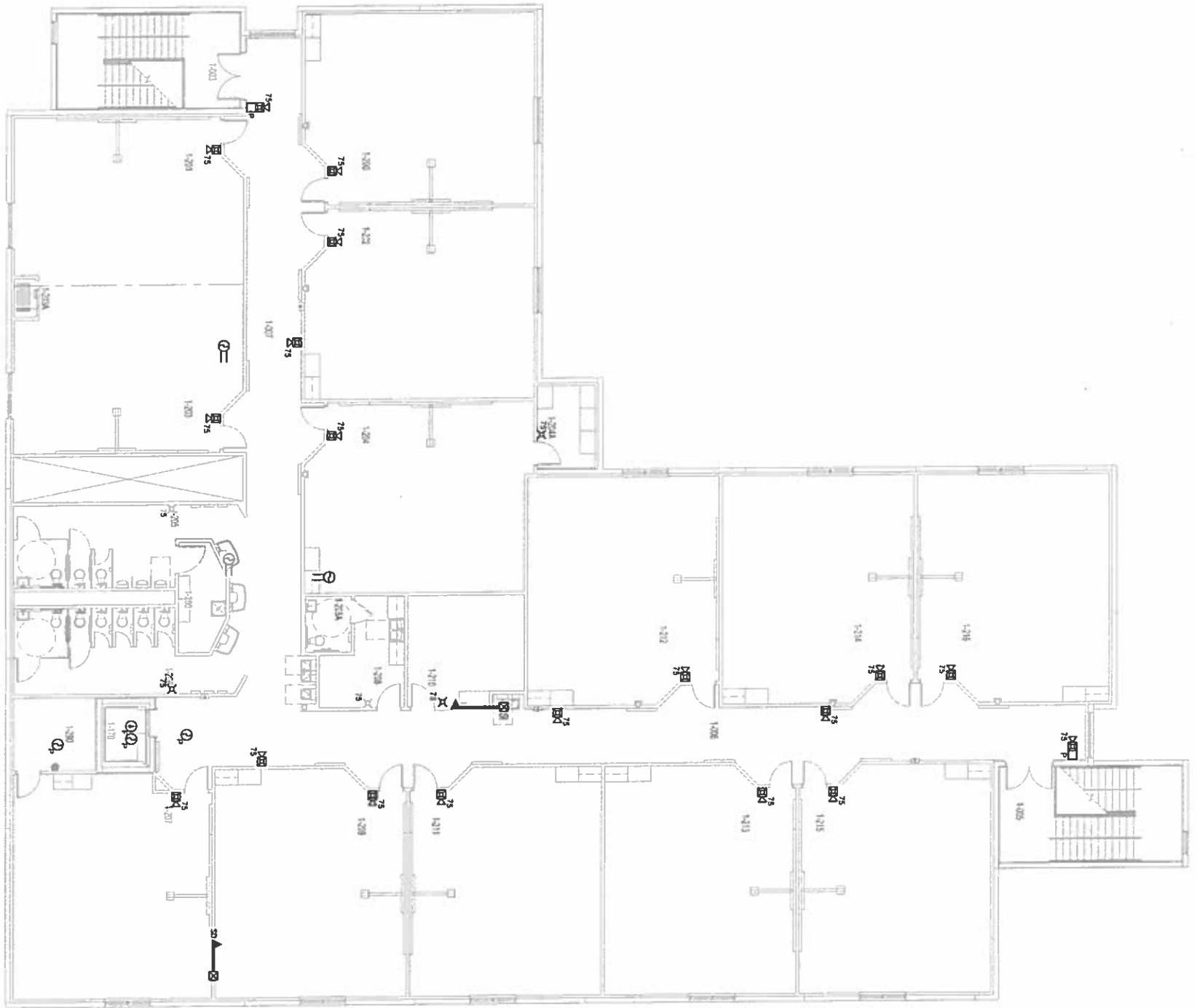
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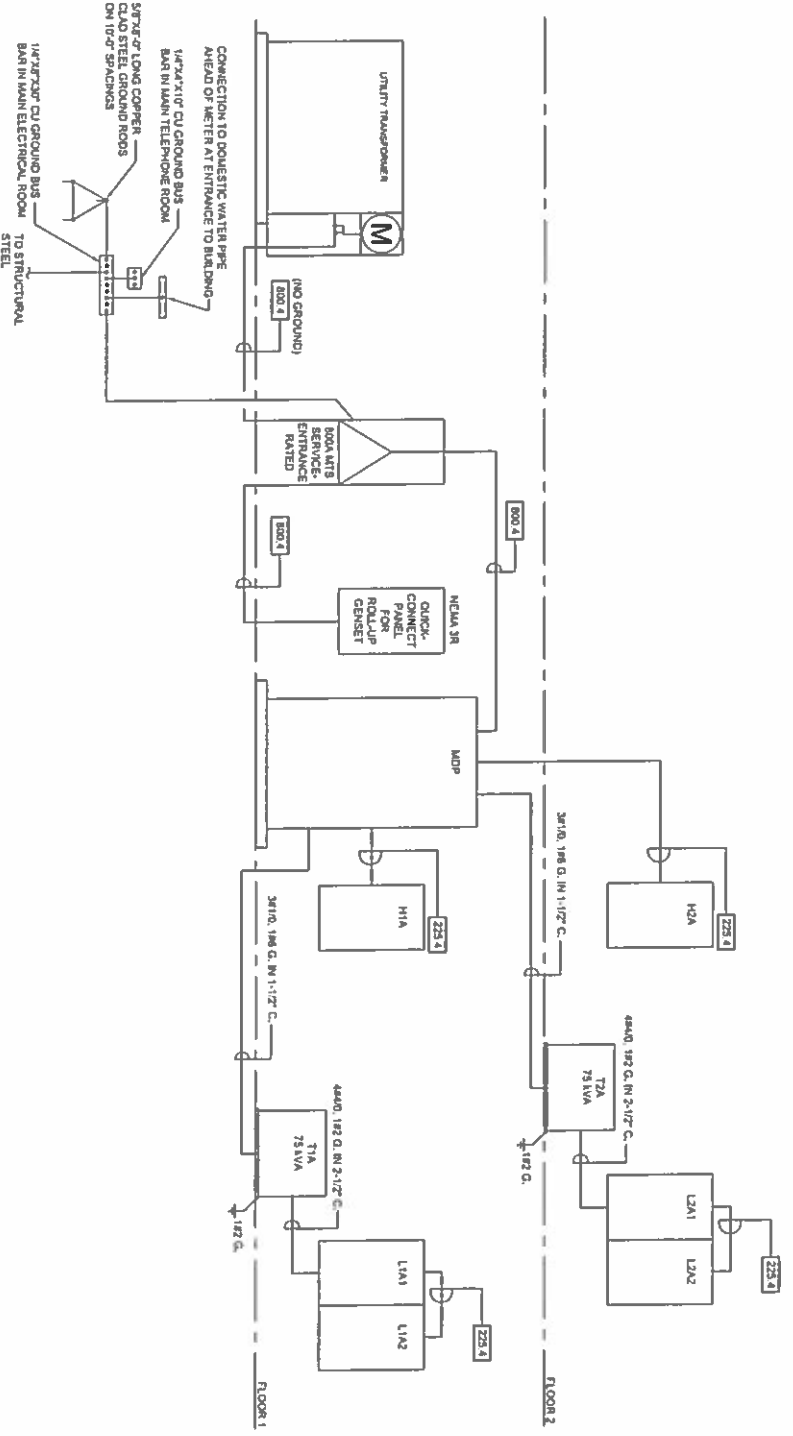
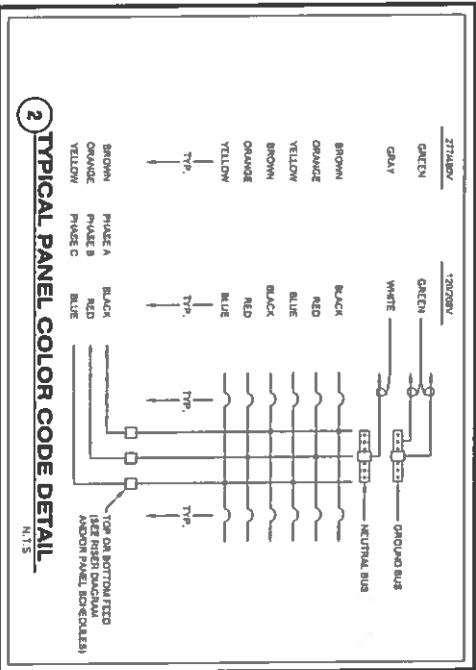
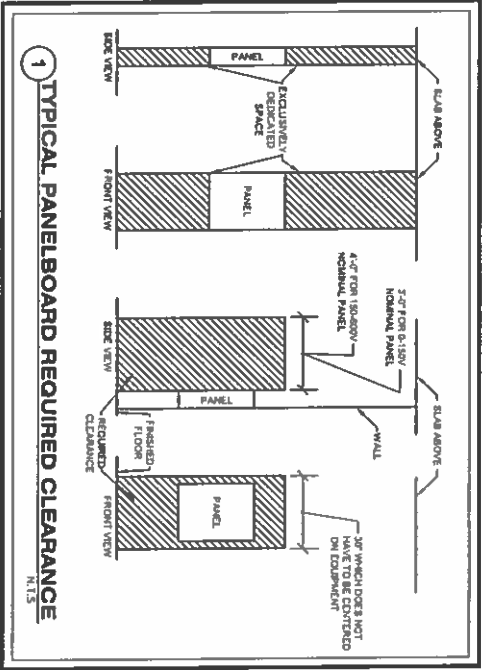


1 ELECTRICAL 2ND FLOOR FIRE ALARM PLAN

SCALE 1/8" = 1'-0"

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	<p>Contract No. 214031.00</p>	<p>Date: 09-24-14</p>	<p>Project: RGD</p>	
	<p>Revised:</p>			
	<p>Approved:</p>			



MSB LOAD ANALYSIS

CONNECTED LOAD CALCS	CONNECTED LOAD: AMPERES (400 VA) BUILDING SQUARE FOOTAGE: VASCOFT
SQUARE FOOT LOAD CALCS	FIRST VASCOFT @ 100% (1774.200 VA) NEXT 17 VASCOFT @ 75% (2,777.4 VA) REMAINDER @ 25% (1634.1 VA)
TOTAL DEMAND CALCS PER NEC 220.66	TOTAL SQUARE AMPERES (400 VA) 2017

FEEDER SIZING SCHEDULE

NUMBER	CONDUCTOR - CU	CONDUIT	CONDUCTOR - AL	CONDUIT	GROUND
225.1	4/0 Ø	3-1/2"	4/0 Ø KCMIL	4/0 Ø KCMIL	1/4"
225.2	TWO SETS 4/0 Ø KCMIL	(2) 3-1/2"	THREE SETS 4/0 Ø KCMIL	(3) 3-1/2"	1/4"

- ELECTRICAL NOTES**
- ALL CONNECTIONS OF THE GROUND ELECTRODE SYSTEM SHALL BE VIA 4/0 COPPER WIRE INCLUDING THE CONNECTION FROM THE MAIN DISTRIBUTION BOARD TO THE MAIN BUS GROUND BAR, COLD WATER PIPE, SUPPLEMENTAL GROUND SYSTEM, STRUCTURAL STEEL, AND TELECOMM GROUND BUS BAR.
 - THE CONTRACTOR MAY SUBSTITUTE 3 SETS OF 4/0 Ø WITH 4/0 Ø, 3/1" CONDUIT EACH FOR ALL WIRING INDICATED AS ABOVE, 1/4" Ø, IN 4" CONDUIT.
 - WHERE POSSIBLE, THE CONTRACTOR SHALL TYPE MOUNT CIRCUIT BREAKERS WITHIN THE MAIN BOARD DISTRIBUTION SECTIONS TO MINIMIZE SPACE FOR PANELED EQUIPMENT.
 - CONTRACTOR SHALL VERIFY ALL ELECTRICAL EQUIPMENT IS COORDINATED WITH THE MANUFACTURER'S SHORT CIRCUIT AND FAULT CURRENT COORDINATION STUDY. THIS SHALL INCLUDE: PANELBOARDS, DISTRIBUTION BOARDS, DISCONNECTS, ETC.

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GENERAL FIRE SPRINKLER NOTES

1. ALL FIRE SPRINKLER WORK TO BE INSTALLED BY A FIRE SPRINKLER CONTRACTOR LICENSED IN THE STATE OF FLORIDA.
2. GET A COPY OF THE SPRINKLER PERMITS FROM THE STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION (DBPR) HAVING JURISDICTION.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SHOP DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: MANUFACTURER'S DATA SHEETS, HYDRAULIC CALCULATIONS, RISE AND TEST ASSEMBLY HEAD LOCATIONS AND HYDRAULIC CALCULATIONS.
4. COORDINATE FOR THE OCCUPANCY SHALL BE AS FOLLOWS: LIGHT HAZARD 1, LOW HAZARD 2, OCCUPANCY HAZARD 3 OR 4 1.5 GPM/FT².
5. ALL SPRINKLER PIPE TO BE TESTED TO 200 PSI FOR 3 HOURS.
6. MANUAL FLOOD AREA FROM A BROKE FIRE SPRINKLER HEAD IS SIZE BY 75% LIGHT AND OCCUPANCY HAZARD AREAS.
7. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH NFPA 13 AND THE APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
8. BEFORE OR RECORD REQUESTS THE SPRINKLER CONTRACTOR TO BE LICENSED IN THE STATE OF FLORIDA. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COMPLETE SET OF SHOP DRAWINGS INCLUDING ALL TRADES KNOWN TO BE USED AND CONSTRUCTION. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AS REQUIRED AND SHALL PROVIDE THE ARCHITECT WITH ANY REQUIRED CHANGES TO THE ARCHITECT'S SHOP DRAWINGS. THE SPRINKLER CONTRACTOR SHALL MAINTAIN RECORDS OF ALL WORK AND THE ARCHITECT/OWNER UPON REQUEST.
9. THE FIRE SPRINKLER CONTRACTOR SHALL BE HELD TO HAVE VERIFIED ALL EXISTING CONDITIONS, INCLUDING SITE VARIATION, AND REVIEW OF ALL BLUE PRINT DOCUMENTATION AS APPLICABLE PRIOR TO BEGINNING CONSTRUCTION.
10. ALL FIRE SPRINKLER WORK IN A FIRE CLASS WORKMANSHIP CLASSIFICATION SHALL BE PERFORMED BY LICENSED FIRE SPRINKLER CONTRACTORS AND SHALL BE AS REQUIRED BY THE PERMITS OF CONSTRUCTION AND SHALL BE A PART OF THE CONTRACT.
11. REQUIRED INSURANCE SHALL BE PROVIDED BY THE FIRE SPRINKLER CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE OF THE OPERATION OF THE WORK.
12. FIRE SIGNALS IN CONSTRUCTION SHALL BECOME AND REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A COMPLETE SET OF SHOP DRAWINGS INCLUDING ALL TRADES KNOWN TO BE USED AND CONSTRUCTION. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS AS REQUIRED AND SHALL PROVIDE THE ARCHITECT WITH ANY REQUIRED CHANGES TO THE ARCHITECT'S SHOP DRAWINGS. THE SPRINKLER CONTRACTOR SHALL MAINTAIN RECORDS OF ALL WORK AND THE ARCHITECT/OWNER UPON REQUEST.
13. THE SPRINKLER CONTRACTOR SHALL PROVIDE IN WRITING AND ON COMPANY LETTER HEAD, ALL ITEMS WHICH REQUIRE OR DETERMINE FROM PROJECT DATA, THE INFORMATION SHALL BE PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.
14. DRAWINGS ARE NOT TO BE MODIFIED IN ANY MANNER AND ARE TO BE USED IN CONSTRUCTION WITH ARCHITECT'S SHOP DRAWINGS. ANY CHANGES TO THE DRAWINGS SHALL BE MADE BY THE ARCHITECT AND SHALL BE PROVIDED TO THE CONTRACTOR IN WRITING AND ON COMPANY LETTER HEAD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.
15. THE SPRINKLER CONTRACTOR SHALL SUBMIT FOR APPROVAL THE RISE TESTS FOR MANUFACTURER'S DRAWINGS OF EACH SPRINKLER HEAD TO BE USED IN THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.
16. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY INTERFERENCE TO THE ARCHITECT/OWNER PRIOR TO BEGINNING CONSTRUCTION.
17. VERIFY LOCATION, SIZE, AND DIRECTION OF FLOW OF ALL EXISTING FIRE PIPES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
18. FIRE SPRINKLER DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT/ENGINEER/OWNER FOR REVIEW PRIOR TO ANY FABRICATION OR INSTALLATION.

ENGINEERED SPRINKLER SHOP DRAWING NOTE

1. THE CONTRACTOR SHALL PROVIDE REVISIONS OF THE NUMBER OF SPRINKLER HEADS AND HYDRAULIC CALCULATIONS. THE CONTRACTOR SHALL PROVIDE REVISIONS TO THE ARCHITECT/ENGINEER/OWNER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.
2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND MATERIALS AND COMPLETE WORKING DETAILS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPRINKLER CONTRACTOR TO COORDINATE THE LOCATION OF HEADS WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.
3. IT IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO COORDINATE THE LOCATION OF HEADS WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REVISIONS TO THE ARCHITECT'S SHOP DRAWINGS.

SPRINKLER HEAD LOCATION NOTES

1. ALL SPRINKLER HEADS, UNLESS OTHERWISE NOTED, MUST BE OF THE CONCEALED RECESSED-TYPE DESIGN.
2. RECESSED EXISTING (RE) SPRINKLER HEADS AS RECESSED MATCH STYLE OF NEW HEADS TO EXISTING FOR UNIFORMITY.
3. SPRINKLER HEADS LOCATED IN STORAGE, MECHANICAL, AND UNFINISHED AREAS ON APPROXIMATE 18" ARCHITECTURAL FINISH IS UNNECESSARY SHALL BE UNIFORM TYPE HEADS.
4. CONSTRUCTION IS RESPONSIBLE FOR ANY AND ALL ELECTRICAL, MECHANICAL, AND PLUMBING WORK OF EXISTING AND INSTALLATIONS OF NEW SPRINKLER HEADS.
5. CONTRACTOR IS RESPONSIBLE FOR ALL ENGINEERING NECESSARY FOR ACCORDING, UNIFORMITY AND SUPPORTING FUNCTIONALITY OF FIRE SPRINKLER SYSTEMS IN UNFINISHED AREAS DURING CONSTRUCTION AND INSTALLATION.
6. CONTRACTOR SHALL PROVIDE FIRE SPRINKLER HEADS IN ALL AREAS ON SPACES THAT ARE COMPLETED.
7. INSTALLATION OF ALL FIRE PROTECTION SYSTEMS MUST BE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS. CONTRACTOR RESPONSIBLE FOR CODE COMPLIANCE AND ANY ADJUSTMENTS TO PLAN AND ARCHITECTURAL DOCUMENTS AS REQUIRED.

FIRE SPRINKLER SPECIFICATIONS

1. ALL MATERIALS USED SHALL BE IN ACCORDANCE WITH NFPA 13 AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2.1 SPRINKLER HEADS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2.2 ONLY NEW SPRINKLER HEADS SHALL BE INSTALLED. ALL SPRINKLER HEADS SHALL BE PROVIDED WITH ONE OR TWO INCHES OF PROTECTION. ALL SPRINKLER HEADS SHALL BE PROVIDED WITH ONE OR TWO INCHES OF PROTECTION. ALL SPRINKLER HEADS SHALL BE PROVIDED WITH ONE OR TWO INCHES OF PROTECTION.
- 2.3 STOCK OF SPARE SPRINKLER HEADS - NFPA 13 - 4.2.3: A SUPPLY OF AT LEAST SIX SPARE SPRINKLER HEADS FROM THE SAME MANUFACTURER SHALL BE MAINTAINED AT ALL TIMES. THE SPRINKLER HEADS SHALL BE PROVIDED WITH ONE OR TWO INCHES OF PROTECTION. ALL SPRINKLER HEADS SHALL BE PROVIDED WITH ONE OR TWO INCHES OF PROTECTION.
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APPLICABLE BUILDING CODES

- FLORIDA BUILDING CODE, 2010
- FLORIDA FIRE PROTECTION CODE 2010
- NFPA 1, 2009 FLORIDA EDITION
- NFPA 13, 2010 EDITION
- NFPA 101, 2009 FLORIDA EDITION


FIRE SPRINKLER SHEET INDEX

F&I 1	FIRE SPRINKLER NOTES, SCOPE OF WORK, & SHEET INDEX
F&I 1.1	FIRE SPRINKLER OCCUPANCY HAZARD ZONE MAPS
F&I 2	FIRE SPRINKLER SCHEDULES & DETAILS

FIRE SPRINKLER SCOPE OF WORK

1. SCOPE OF WORK IS TO PROVIDE ENTIRE NEW SCHOOL BUILDING WITH A COMPLETE FIRE SPRINKLER WET SYSTEM (LIFTED FLOOD) WITH INCIDENTAL ORDNANCE GROUND 1 HAZARD AREAS).
2. CONTRACTOR SHALL ORDER A FLOW TEST AND REPORT RESULTS BACK TO ENGINEER PRIOR TO HYDRAULIC CALCULATIONS.
3. COORDINATE HEAD STYLE, COLOR, AND FINAL LOCATIONS WITH ARCHITECT.
4. COORDINATE WITH FIRE ALARM SYSTEM.

Call 48 hours before you dig
It's the Law!
1-800-432-4770
Sunshine State One Call of Florida, Inc.



RGD
CONSULTING ENGINEERS

REGISTRATION NO. 0000000000
DATE 03/18/2014

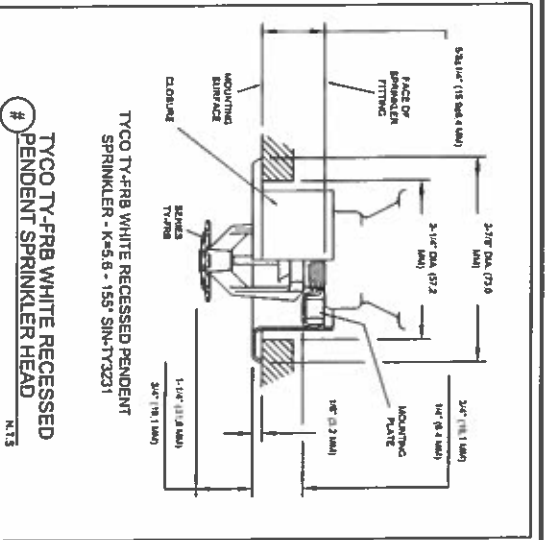
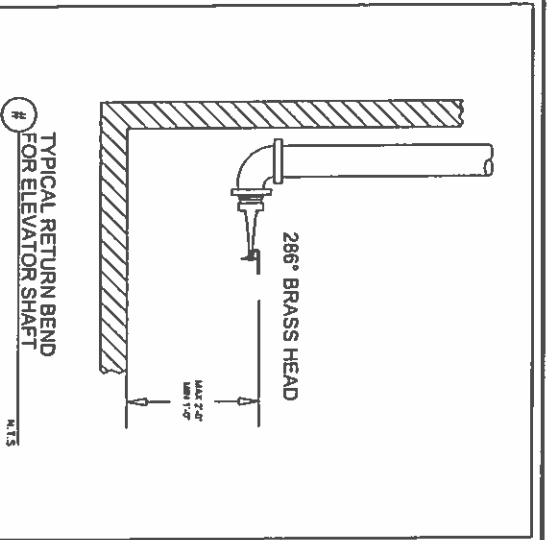
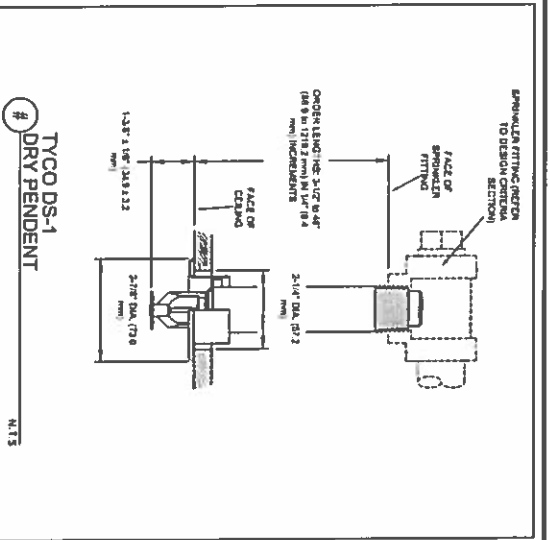
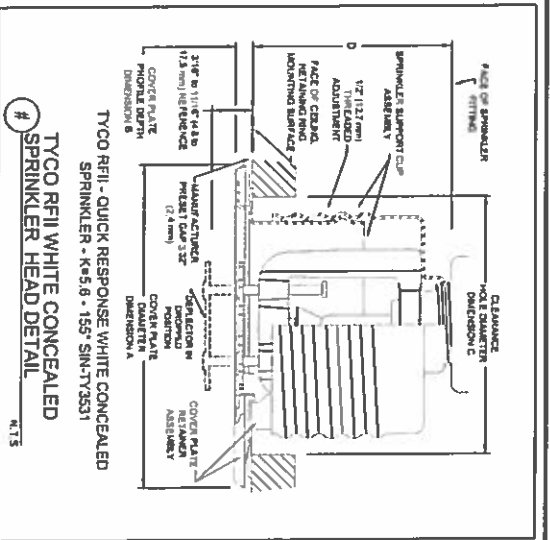
NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

FL Lauderdale 954-486-7910
FL Myers 239-275-7774
Jacksonville 904-395-3300
Orlando 407-687-7777
Punta Gorda 888-595-4574
St. Petersburg 727-896-4611
Tampa 813-286-8208
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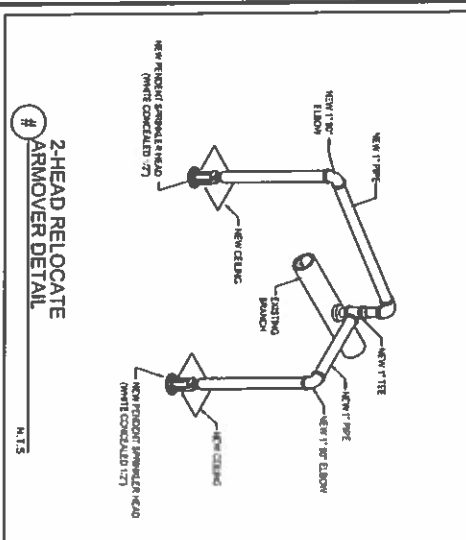
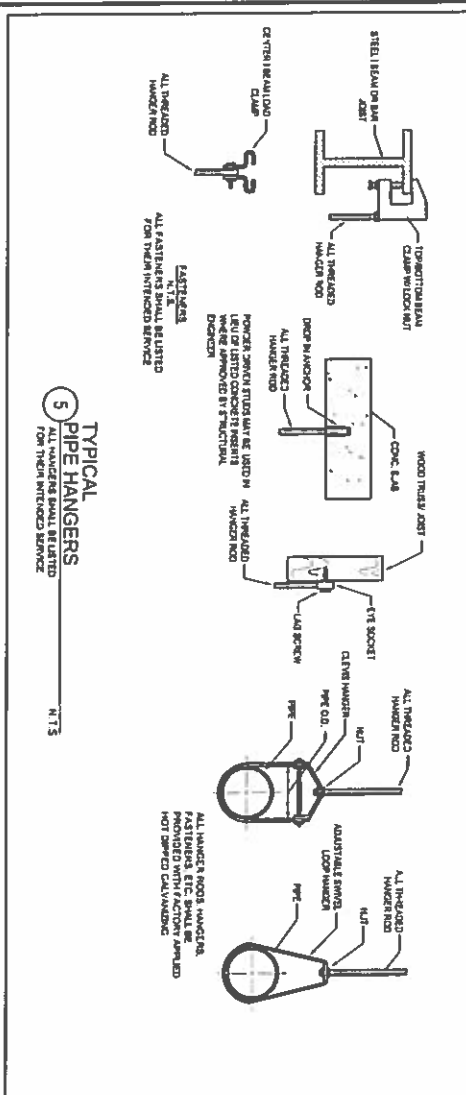
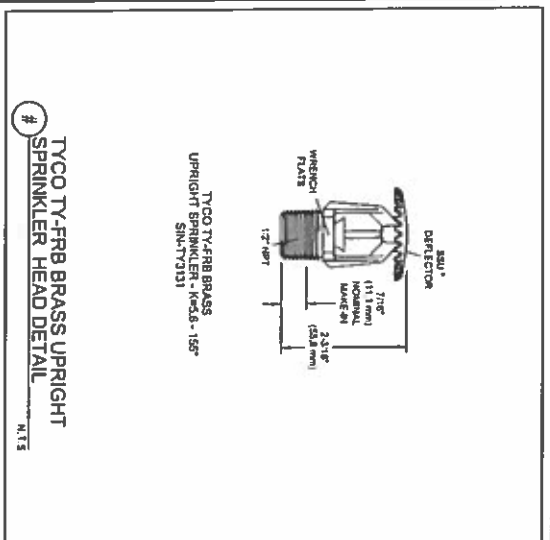
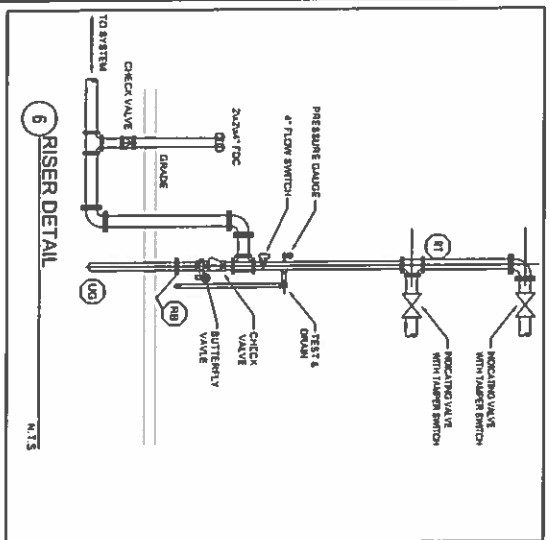
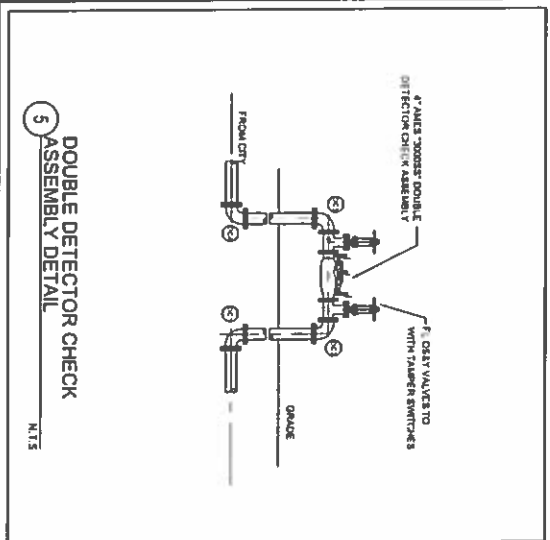
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HANGER LOCATION SCHEDULE

PIPE SIZE	A	B	C
1/2"	8" MAX	12" MAX	8" MIN
3/4"	8" MAX	12" MAX	8" MIN
1"	8" MAX	12" MAX	8" MIN
1 1/2"	8" MAX	12" MAX	8" MIN

• MAXIMUM HANGER SPACING FOR THREADED LIGHTWALL STEEL PIPE IS 12'-0" FOR ALL PIPE SIZES



RGD CONSULTING ENGINEERS

1001 W. PALM BEACH BLVD., SUITE 100, JUPITER, FL 33411
 561-746-8888
 www.rgd.com

PROJECT NUMBER: 21403100
 DATE: 05-24-14

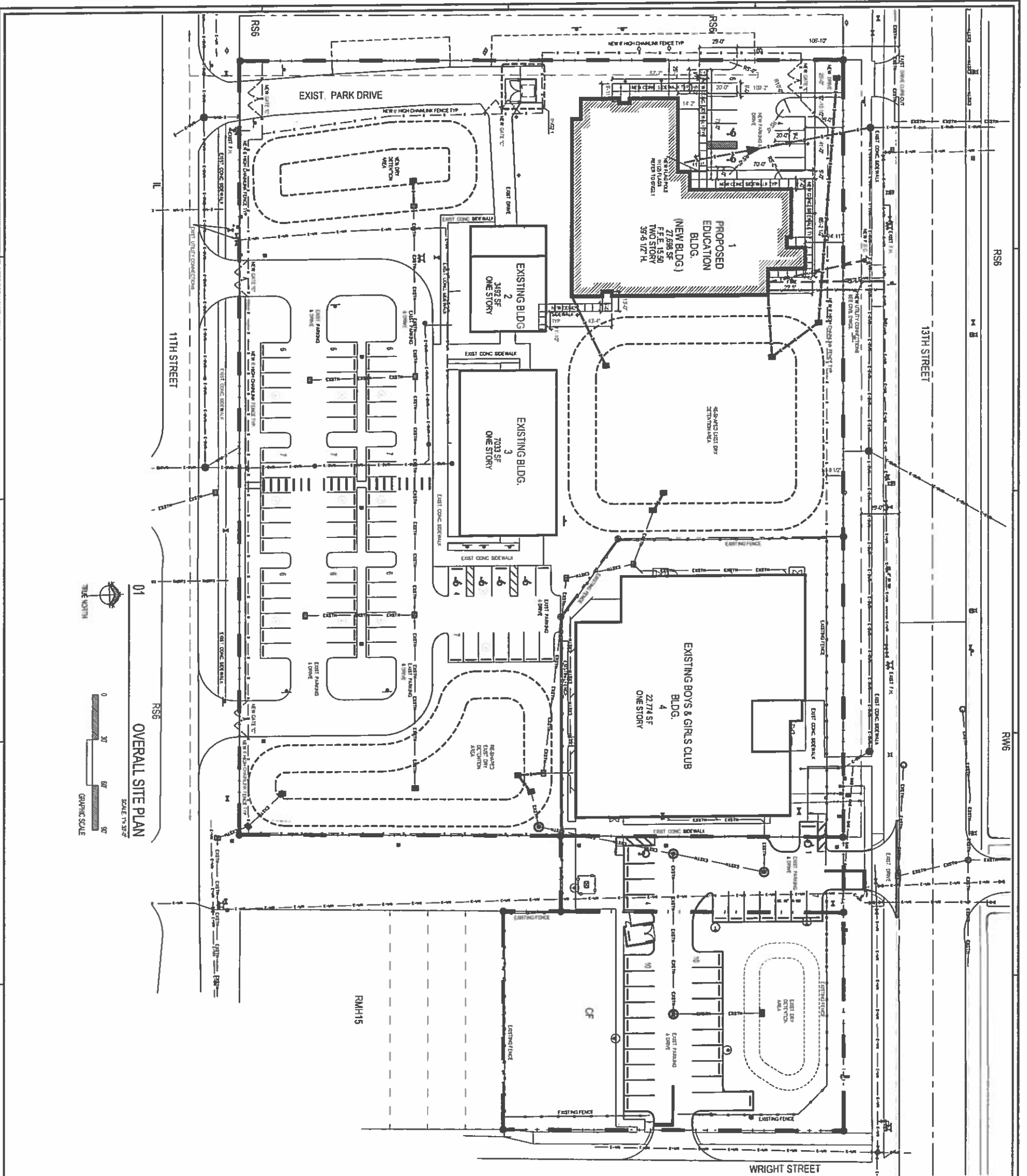
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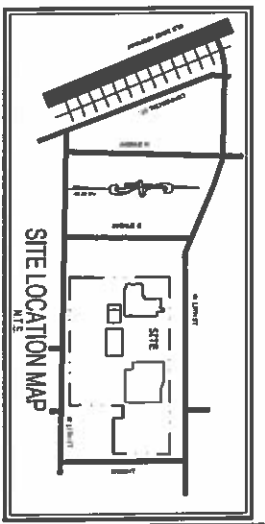
**NEW CLASSROOM BUILDING
 RIVIERA BEACH MARITIME ACADEMY**
 RIVIERA BEACH, FLORIDA
 CONSTRUCTION DOCUMENTS

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 West Palm Beach 561-478-4457
 AAC000116
 www.harvardjolly.com
 WEST PALM BEACH, FL



01
 SCALE: 1/8"=1'-0"
 GRAPHIC SCALE
 TRUE NORTH



SITE PLAN DATA	
PROJECT NO:	24-03-000719
DATE OF PROJECT:	09-24-14
CLIENT:	NEW CLASSROOM BUILDING RIVIERA BEACH MARITIME ACADEMY 2119 11th St Riviera Beach, FL 33413
DESIGNED BY:	HARVARD JOLLY ARCHITECTURE
DATE OF DESIGN:	09-24-14
DATE OF REVISION:	09-24-14
DATE OF PLOTTING:	09-24-14
DATE OF PRINTING:	09-24-14

BUILDING DATA	
PROPOSED BUILDING	114,823 SF
EXISTING BUILDING	13,200 SF
TOTAL BUILDING AREA	128,023 SF
TOTAL BUILDING VOLUME	1,174,000 CU FT
TOTAL BUILDING FOOTPRINT	128,023 SF
TOTAL BUILDING PERIMETER	4,170 LF
TOTAL BUILDING AREA (including parking)	141,823 SF
TOTAL BUILDING VOLUME (including parking)	1,306,000 CU FT
TOTAL BUILDING FOOTPRINT (including parking)	141,823 SF
TOTAL BUILDING PERIMETER (including parking)	4,170 LF

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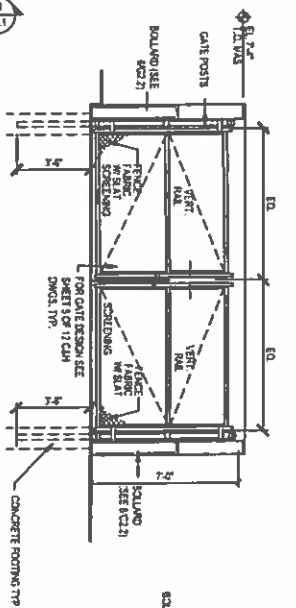
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Sheet No: 214031 001

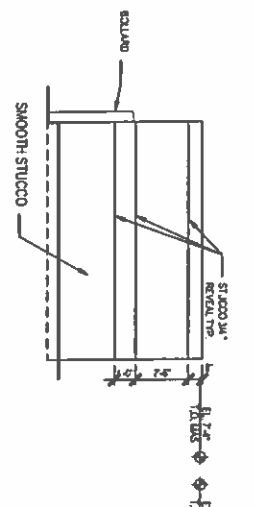
Date: 09-24-14

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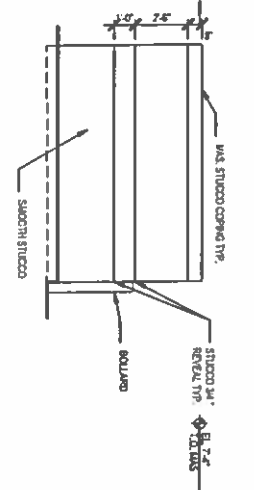
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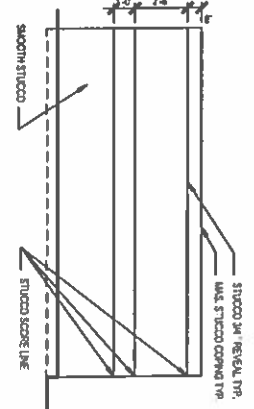
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SCALE: 1/4" = 1'-0"



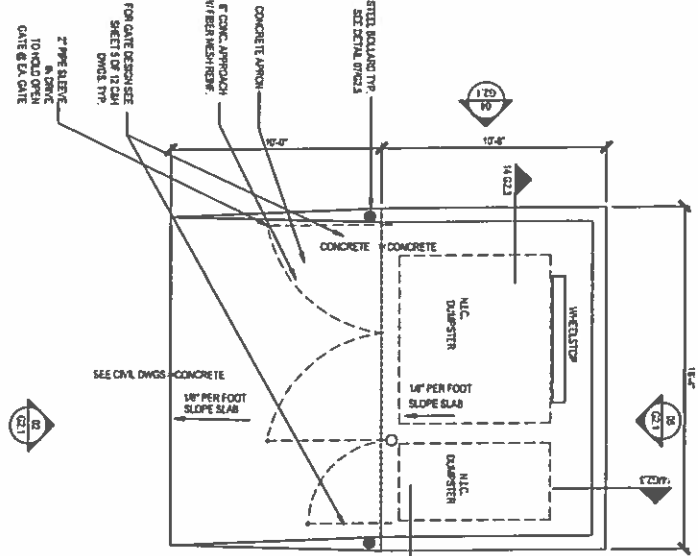
03 DUMPSTER ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



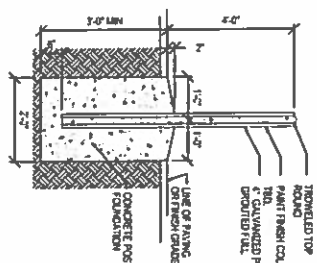
04 DUMPSTER ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



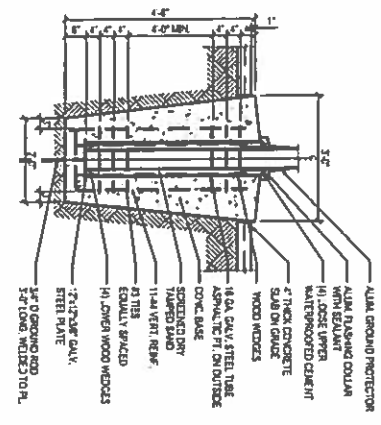
05 DUMPSTER ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



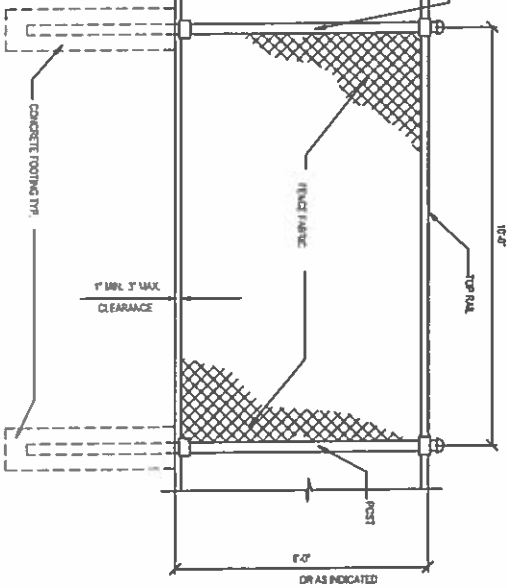
01 DUMPSTER ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



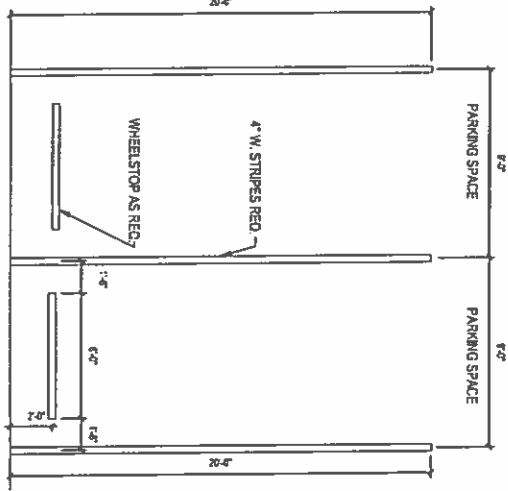
06 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



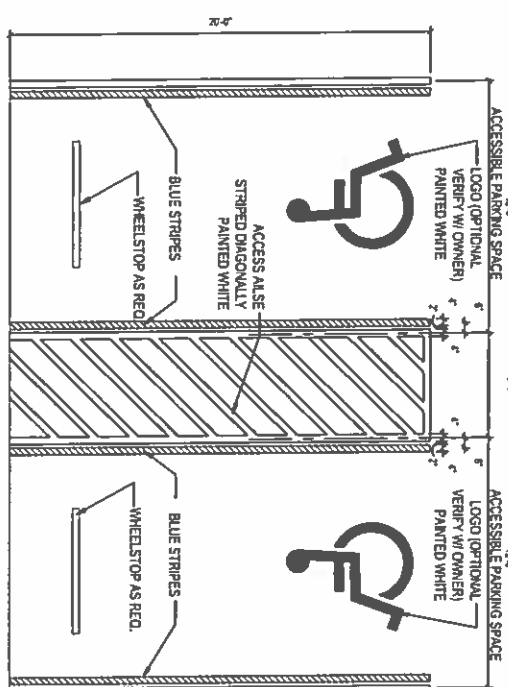
07 FLAG POLE DETAIL
SCALE: 1/2" = 1'-0"



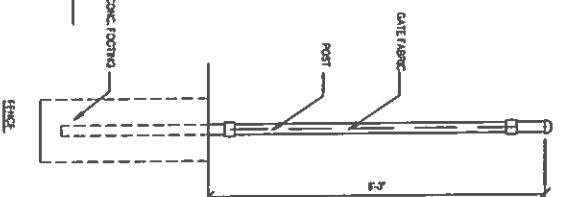
08 TYPICAL FENCE DETAIL
SCALE: 1/2" = 1'-0"



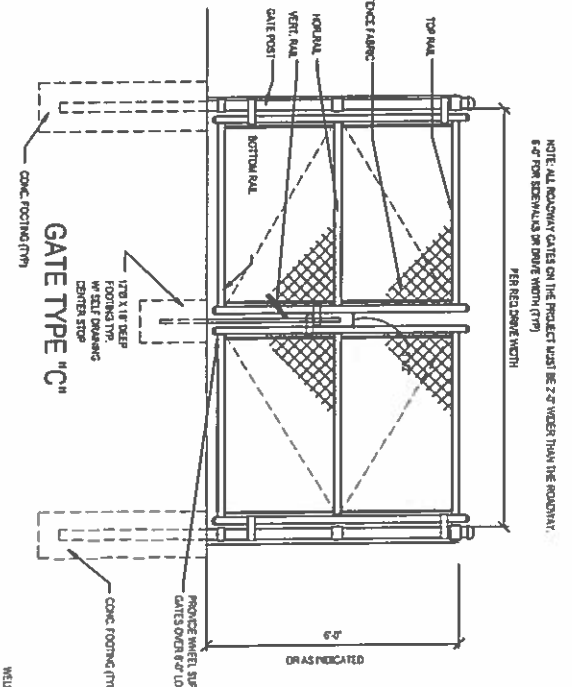
09 STANDARD PARKING SPACE DETAIL
SCALE: 1/2" = 1'-0"



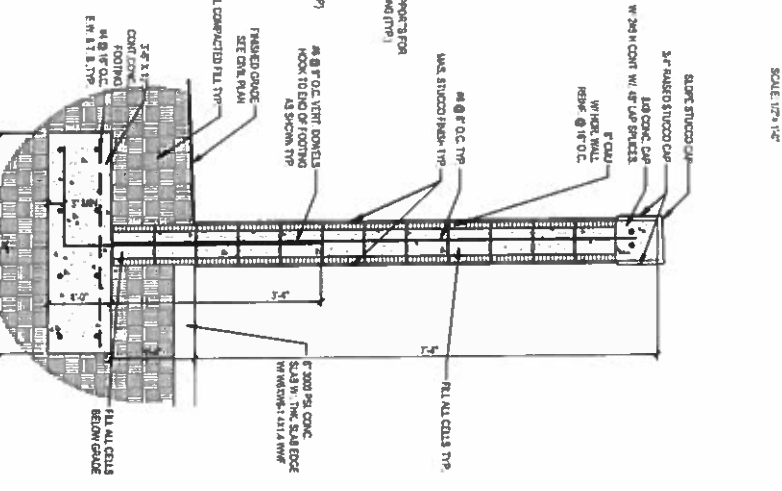
10 ACCESSIBLE PARKING SPACE DETAIL
SCALE: 1/2" = 1'-0"



11 TYPICAL PARKING SPACE DETAILS
SCALE: 1/2" = 1'-0"



12 GATE TYPE 'C' DETAIL
SCALE: 1/2" = 1'-0"



12 WALL SECTION @ DUMPSTER
SCALE: 1/2" = 1'-0"

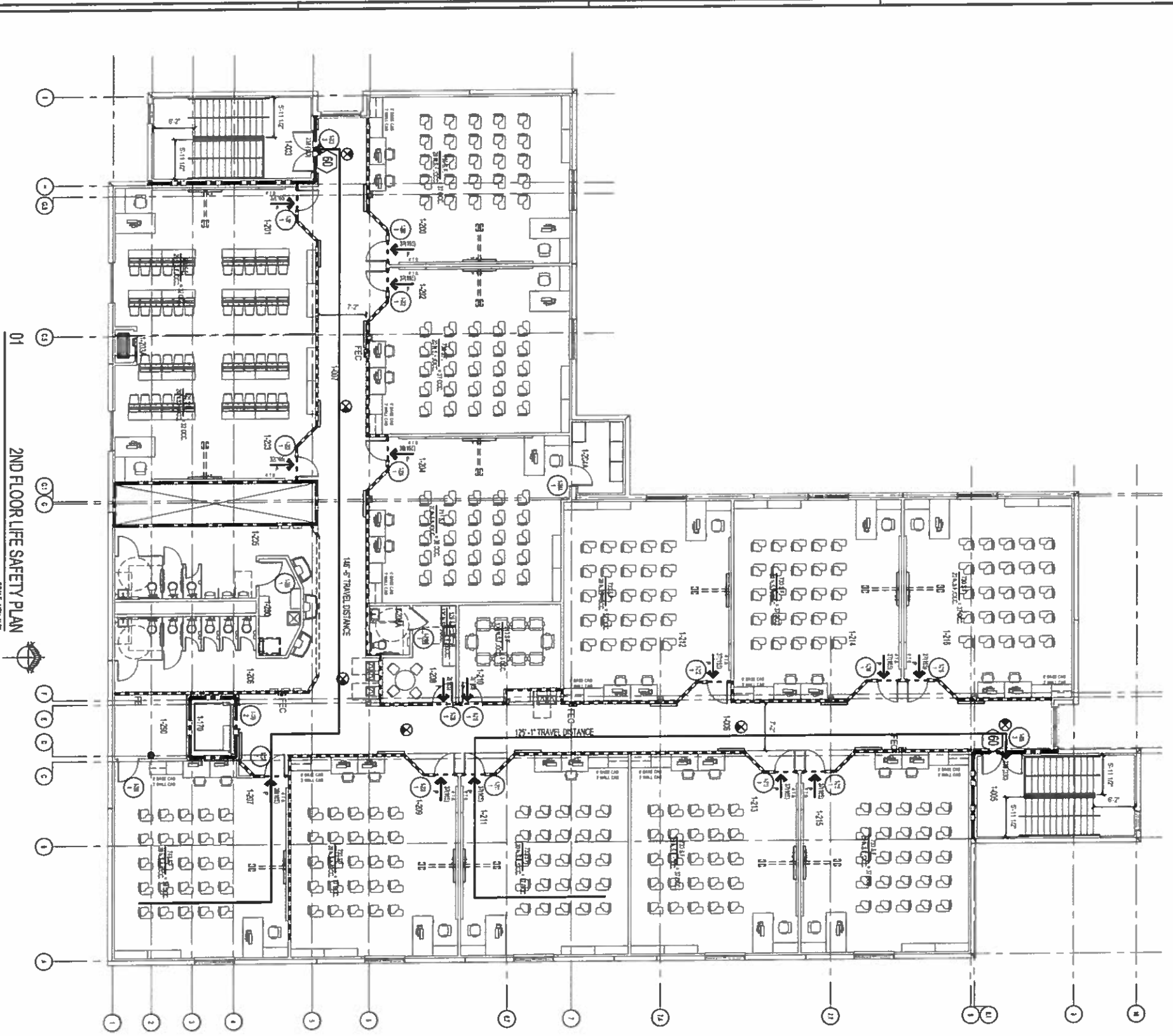
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Sheet No.	214031.00
Date	08-24-14



CODE & LIFE SAFETY INFORMATION

PROJECT INFORMATION
BLDG NO: 01
FLOOR: 2ND
DATE: 08-24-14

OWNER
COUNTY OF HARVARD
RIVIERA BEACH MARITIME ACADEMY
2755 S.F.
1/13/14

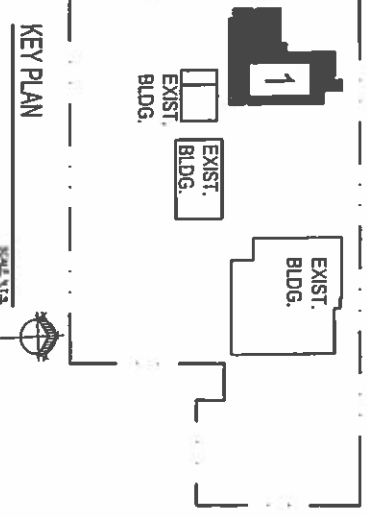
DESIGNER
HARVARD JOLLY ARCHITECTURE
2601 W. PALM BEACH BLVD., SUITE 100
WEST PALM BEACH, FL 33411
TEL: 561-841-1111

LEGEND
P: PUBLIC USE (EXEMPT FROM OSHA 1910.37) - 200 FLOOR
E: EMERGENCY EXIT (EXIT) - 200 FLOOR
S: SMOKE PARTITION - 200 FLOOR
C: CORRIDOR - 200 FLOOR
D: DOOR - 200 FLOOR
F: FIRE FIGHTING EQUIPMENT - 200 FLOOR
L: LIFE SAFETY SYMBOLS - 200 FLOOR

LIFE SAFETY SYMBOLS LEGEND

WALL TYPE: 1.1.1.1.1 CLASSROOM, 1.1.1.1.2 CLASSROOM, 1.1.1.1.3 CLASSROOM, 1.1.1.1.4 CLASSROOM, 1.1.1.1.5 CLASSROOM, 1.1.1.1.6 CLASSROOM, 1.1.1.1.7 CLASSROOM, 1.1.1.1.8 CLASSROOM, 1.1.1.1.9 CLASSROOM, 1.1.1.1.10 CLASSROOM, 1.1.1.1.11 CLASSROOM, 1.1.1.1.12 CLASSROOM, 1.1.1.1.13 CLASSROOM, 1.1.1.1.14 CLASSROOM, 1.1.1.1.15 CLASSROOM, 1.1.1.1.16 CLASSROOM, 1.1.1.1.17 CLASSROOM, 1.1.1.1.18 CLASSROOM, 1.1.1.1.19 CLASSROOM, 1.1.1.1.20 CLASSROOM.

NOTES: 1. ALL PARTITIONS OR BARRIERS SHALL BE EXTENDED TO THE TOP AND BOTTOM OF THE ROOM OR TO THE TOP OF THE ROOF. 2. ALL PARTITIONS OR BARRIERS SHALL BE EXTENDED TO THE TOP AND BOTTOM OF THE ROOM OR TO THE TOP OF THE ROOF. 3. ALL PARTITIONS OR BARRIERS SHALL BE EXTENDED TO THE TOP AND BOTTOM OF THE ROOM OR TO THE TOP OF THE ROOF.



ROOM CHART

ROOM NO.	ROOM NAME	AREA	ROOM NO.	ROOM NAME	AREA
1-201	CLASSROOM	792	1-207	CLASSROOM	792
1-202	CLASSROOM	792	1-208	CLASSROOM	792
1-203	CLASSROOM	792	1-209	CLASSROOM	792
1-204	CLASSROOM	792	1-210	CLASSROOM	792
1-205	CLASSROOM	792	1-211	CLASSROOM	792
1-206	CLASSROOM	792	1-212	CLASSROOM	792
1-213	CLASSROOM	792	1-213	CLASSROOM	792
1-214	CLASSROOM	792	1-214	CLASSROOM	792
1-215	CLASSROOM	792	1-215	CLASSROOM	792
1-216	CLASSROOM	792	1-216	CLASSROOM	792
1-217	CLASSROOM	792	1-217	CLASSROOM	792
1-218	CLASSROOM	792	1-218	CLASSROOM	792
1-219	CLASSROOM	792	1-219	CLASSROOM	792
1-220	CLASSROOM	792	1-220	CLASSROOM	792
1-221	CLASSROOM	792	1-221	CLASSROOM	792
1-222	CLASSROOM	792	1-222	CLASSROOM	792
1-223	CLASSROOM	792	1-223	CLASSROOM	792
1-224	CLASSROOM	792	1-224	CLASSROOM	792
1-225	CLASSROOM	792	1-225	CLASSROOM	792
1-226	CLASSROOM	792	1-226	CLASSROOM	792
1-227	CLASSROOM	792	1-227	CLASSROOM	792
1-228	CLASSROOM	792	1-228	CLASSROOM	792
1-229	CLASSROOM	792	1-229	CLASSROOM	792
1-230	CLASSROOM	792	1-230	CLASSROOM	792

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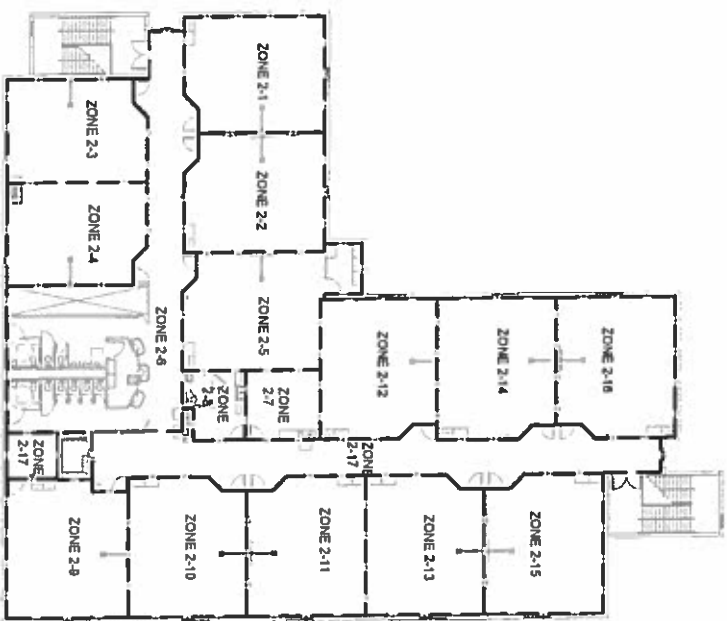
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MECHANICAL ZONE MAP-FIRST FLOOR



2

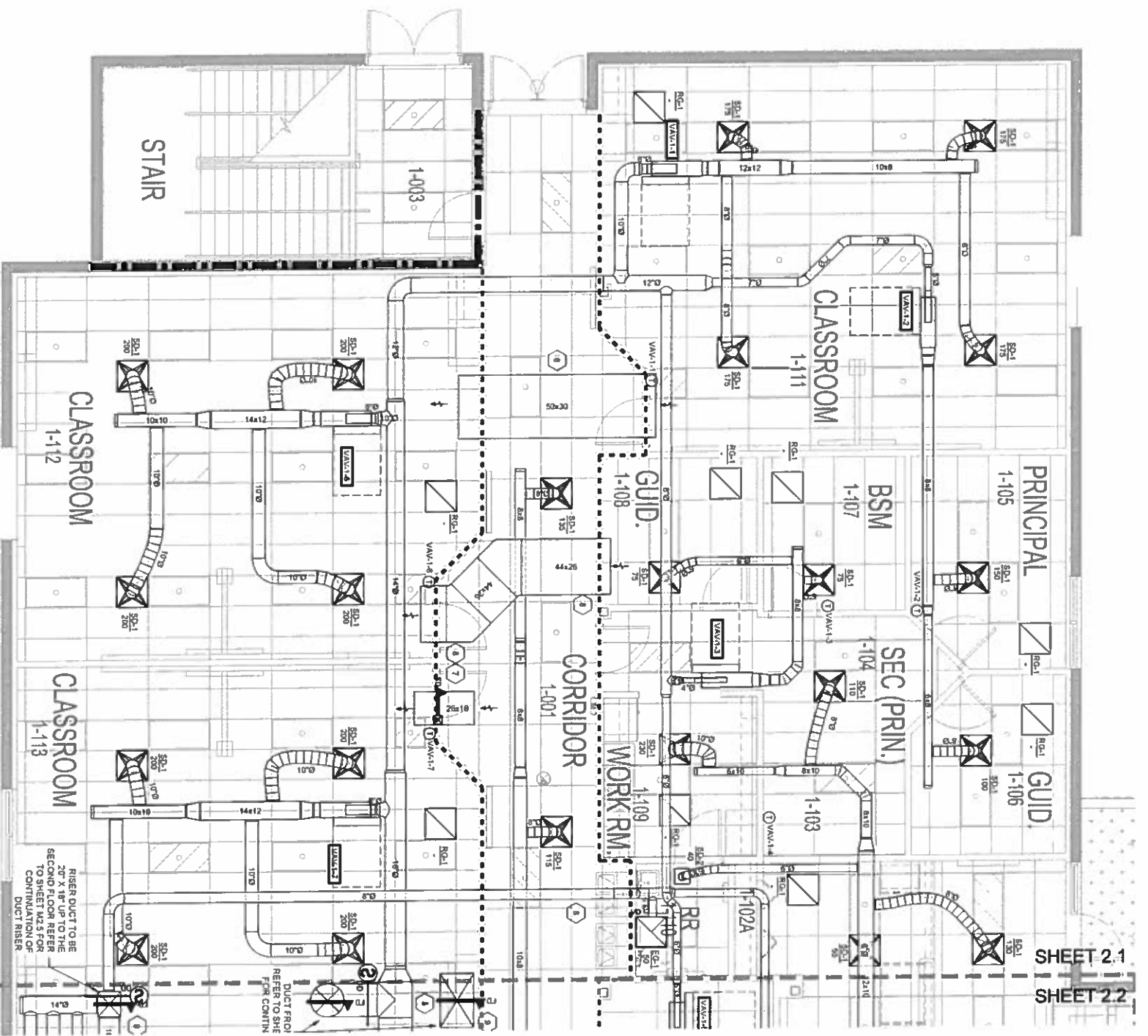
MECHANICAL ZONE MAP-SECOND FLOOR



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1117 PINEAPPLE AVENUE, SUITE 100, JEFFERSON, NJ 07034-3414
www.rcgd.com

REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 12454
DATE 03/19/2014



SHEET 2.1
SHEET 2.2

SHEET 2.1
SHEET 2.2

1

PARTIAL FIRST FLOOR MECHANICAL PLAN- SOUTH-WEST

SCALE 1/8" = 1'-0"

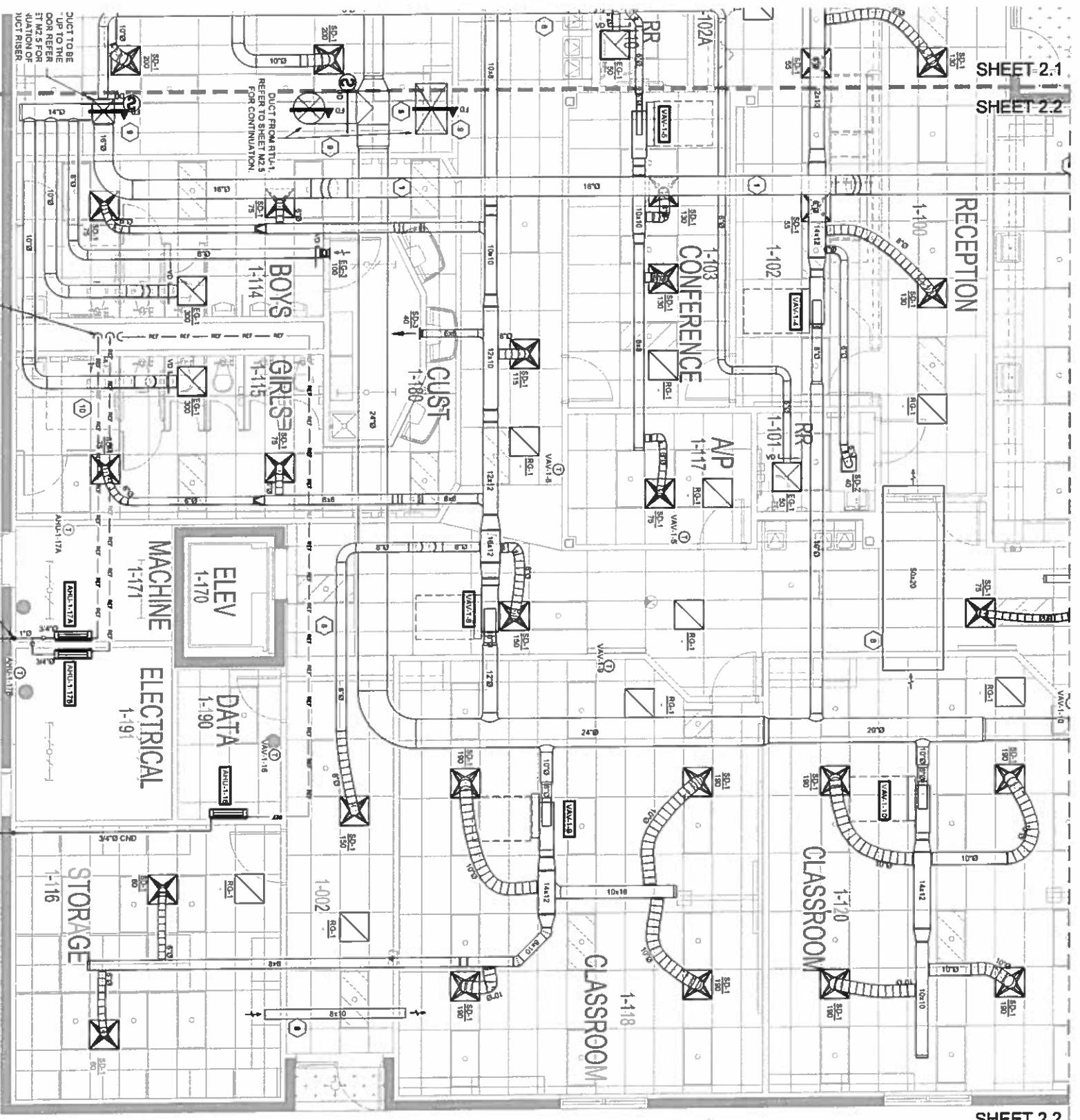
- MECHANICAL KEY NOTES**
1. ROUTE EXHAUST DUCT UP INTO THE BAR JOIST
 2. PARTIAL EXHAUST DUCTS AS HIGH AS POSSIBLE
 3. UP INTO EXHAUST DUCT FROM THE BOTTOM
 4. COORDINATE EXHAUST DUCT TO BE RUN IN BETWEEN JOIST PROVIDE OFF SET FROM TO MECHANICAL LIMITED CLEARANCE IN THIS AREA
 5. PROVIDE A STAIR RETURN DUCT UP TO RTU IN REFERENCE SHEET 1-107 FOR COMPLETION OF DUCT WORK
 6. PROVIDE PHYSICAL FOR CONDENSATE LINE
 7. PROVIDE SMOKE DAMPER REFERENCE DETAIL 2 ON SHEET 1-102 PROVIDE DUCT MOUNTED ACCESS DOOR
 8. DUCT PASSES THROUGH A BRIDGE-BOLTED JOIST, THE DUCT SHALL TRANSITION FROM DUCTWORK TO 2X6 JOIST AND BE SUPPORTED BY BRIDGE BOLTS LOCATED IN UNOCCUPIED SPACES DUCT SHALL BE SUPPORTED BY BRIDGE BOLTS LOCATED IN UNOCCUPIED SPACES DUCT SHALL BE SUPPORTED BY BRIDGE BOLTS LOCATED IN UNOCCUPIED SPACES
 9. PROVIDE FIRE DAMPING FOR PENETRATION INTO FIRST FLOOR CEILING AS SHOWN IN FLOOR PLAN DAMPERS ARE TO BE ACCESSIBLE FROM UNDERNEATH
 10. ALL REPAIRS/MAINTENANCE SHALL BE DONE BY EQUIP. MAINTENANCE
 11. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT REQUIRED THROUGH STRUCTURAL THROUGH STRUCTURAL STEEL THAT SUPPORT REMOVABLE PARTITIONS WITH THE GENERAL CONTRACTOR

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1111 TOWN CENTER BLVD., SUITE 100, JUPITER, FL 33458 (561) 741-1111
www.rgd-engineers.com

REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 12403
DATE: 05-19-2014

PARTIAL FIRST FLOOR MECHANICAL PLAN- SOUTH-WEST M2.1	Copyright 2014	NEW CLASSROOM BUILDING RIVIERA BEACH MARITIME ACADEMY RIVIERA BEACH, FLORIDA CONSTRUCTION DOCUMENTS	Ft. Lauderdale 954-486-7910 Ft. Myers 239-275-7774 Jacksonville 904-395-3300 Orlando 407-487-7727 Punta Gorda 941-575-0403 St. Petersburg 727-896-4611 Tampa 813-286-8205 West Palm Beach 561-478-4457 JAAC000119 www.harvardjolly.com WEST PALM BEACH, FL.	HARVARD • JOLLY ARCHITECTURE
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SHEET 2.1
SHEET 2.2

SHEET 2.1
SHEET 2.2

SHEET 2.2



PARTIAL FIRST FLOOR MECHANICAL PLAN - SOUTH-EAST

DUCT TO BE UP TO THE DOOR REFER TO M2.5 FOR LOCATION OF DUCT RISER

DUCT FROM RTU-1 REFER TO SHEET M2.5 FOR CONTINUATION.

REFRIGERANT LINES UP TO THE ROOF REFER TO SHEET M2.5 FOR CONTINUATION

TRACING DRAIN FROM 2ND FLOOR REFER TO SHEET M2.5 SHALL CONNECT TO 1-170

CONDENSATE LINE TO BE ROUTED BE UNDERGROUND AND THE INTO OTHER CONDENSATE LINES

CONDENSATE LINE TO BE ROUTED UNDERGROUND AND THE INTO OTHER CONDENSATE LINES

SCALE 1/4" = 1'-0"

MECHANICAL KEY NOTES

1. ROUTE EXHAUST DUCT UP INTO THE BAN JOIST.
2. INSTALL EXHAUST DAMPERS AS HIGH AS POSSIBLE.
3. TAP AND EXHAUST DUCT FROM THE BOTTOM.
4. CONDENSATE EXHAUST DUCT TO BE RUN IN BETWEEN JOIST PROVIDE OFFSET FROM TO METAL PRESURE DUCT DAMPER CEILING CAVITY IN THIS AREA.
5. PROVIDE A 3/4" MINIMUM DUCT UP TO RTU REFERENCE SHEET M2.7 FOR CONTINUATION OF DUCT WORK.
6. PROVIDE DAMPER REFERENCE DETAIL 2 ON SHEET M2.2 PROVIDE DUCT MOUNTED ACCESS DOOR.
7. DUCT PASSES THROUGH A BUNGALOW BARRIER, THE DUCT SHALL TRANSMIT FROM DUCTBOARD TO PRESURE DUCT DAMPER CEILING CAVITY IN THIS AREA.
8. PROVIDE FIRE DAMPERS FOR PENETRATION ONTO FIRST FLOOR CEILING AS SHOWN IN FLOOR PLAN.
9. DAMPERS ARE TO BE ACCESSED FROM UNDERFLOOR.
10. ALL REFRIGERANT PIPE SHALL BE EQUIP. MANUFACTURER.
11. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT REQUIREMENTS WITH THE GENERAL CONTRACTOR.
12. MECHANICAL CONTRACTOR SHALL SUPPORT RESPONSIBLE PARTITIONS WITH THE GENERAL CONTRACTOR.

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1170 PALM BEACH BLVD., SUITE 200, WEST PALM BEACH, FL 33411
 561-833-8888
 www.rgdconsulting.com

DATE: 05-24-14
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 CHECKED BY: RGD

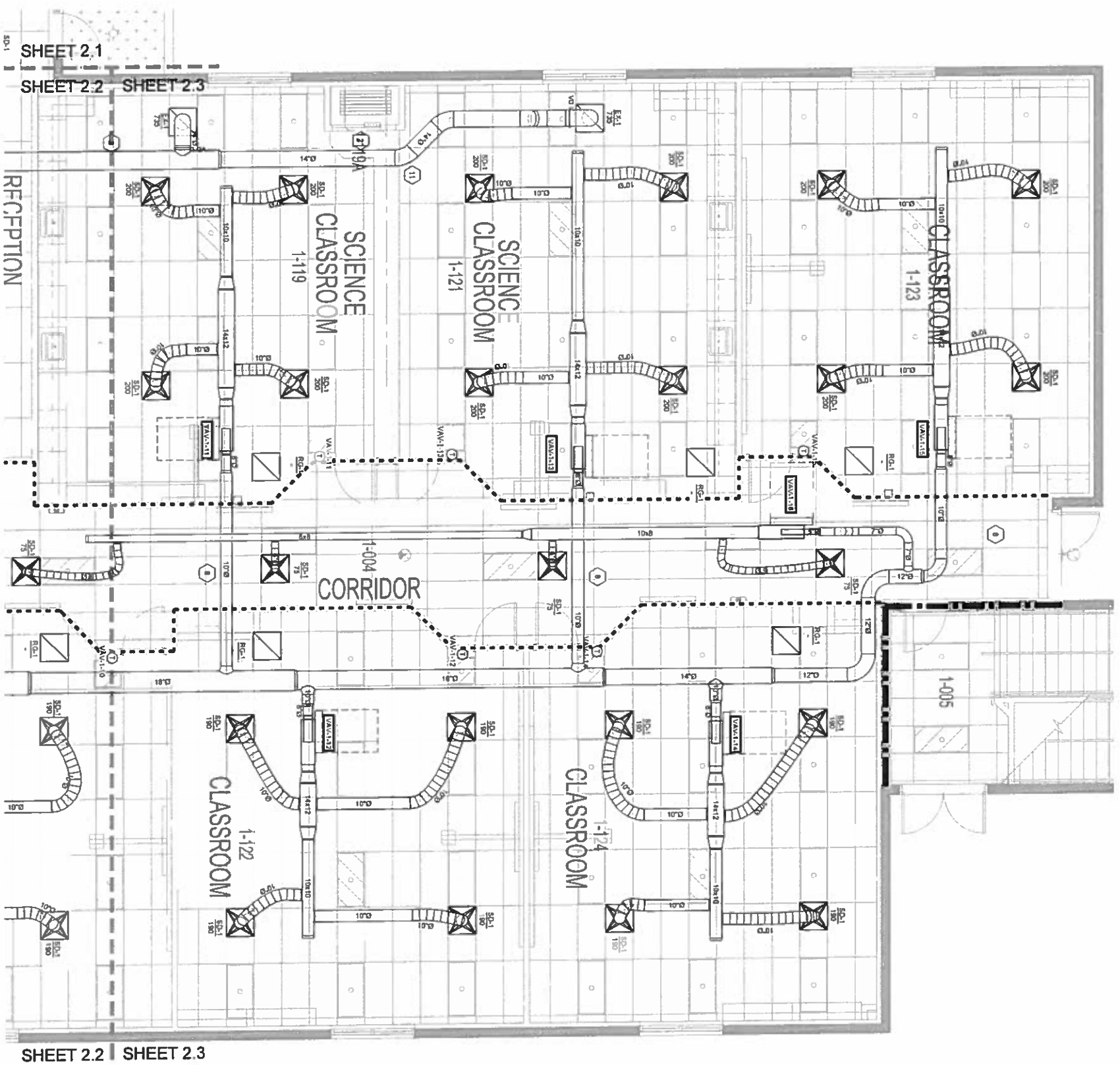
PARTIAL FIRST FLOOR MECHANICAL PLAN - SOUTH-EAST

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1

PARTIAL FIRST FLOOR MECHANICAL PLAN- NORTH-EAST

SCALE 1/8" = 1'-0"

- MECHANICAL KEY NOTES**
1. ROUTE EXHAUST DUCT UP INTO THE BAR JOIST
 2. INSTALL EXHAUST DUCTS AS HIGH AS POSSIBLE
 3. TAP INTO EXHAUST DUCT FROM THE BOTTOM
 4. COORDINATE EXHAUST DUCT TO BE RUN BETWEEN JOIST. PROVIDE OFFSET FROM TO MECHANICAL
 5. PRESSURE DUCT LIMITED CEILING CAVITY IN THIS AREA.
 6. PROVIDE A WATER RETURN DUCT UP TO RIL REFERENCE SHEET AC27 FOR CONTINUATION OF DUCT WORK.
 7. PROVIDE OPENING FOR CONDENSATE DRAIN.
 8. PROVIDE DAMPER REFERENCE DETAIL 2 ON SHEET M2.2. PROVIDE DUCT MOUNTED ACCESS DOOR.
 9. DUCT PASSES THROUGH A SMOKE-SAVED BARRIER, THE DUCT SHALL TRAVEL FROM DISCHARGE TO THE GAS EXHAUSTER. ALL DUCT REQUIRED TO BE SMOKE-SAVED. PROVIDE ACCESS DOOR TO EXHAUSTER THROUGH SMOKE-SAVED BARRIER SHALL BE PROVIDED. DETAIL WITH AN APPROVED CONTRACTOR.
 10. PROVIDE FIRE EXHAUSTERS FOR PARTICULATE FROM PRET FLOOR CLEANING AS SHOWN IN FLOOR PLAN. DAMPERS ARE TO BE ACCESSED FROM UNDERMOUNT.
 11. ALL REFRIGERANT PIPE SIZED BY ECOM MANUFACTURE.
 12. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT REQUIRED THROUGH STRUCTURAL STEEL THAT SUPPORT REMOVABLE PARTITIONS WITH THE GENERAL CONTRACTOR.

RGD
CONSULTING ENGINEERS

110 TRADE CENTER BLVD., SUITE 1100
WEST PALM BEACH, FLORIDA 33411
TEL: 561-833-1111 FAX: 561-833-1112
WWW.RGDENGINEERS.COM

PROJECT: NEW CLASSROOM BUILDING
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DATE: 05.18.2014

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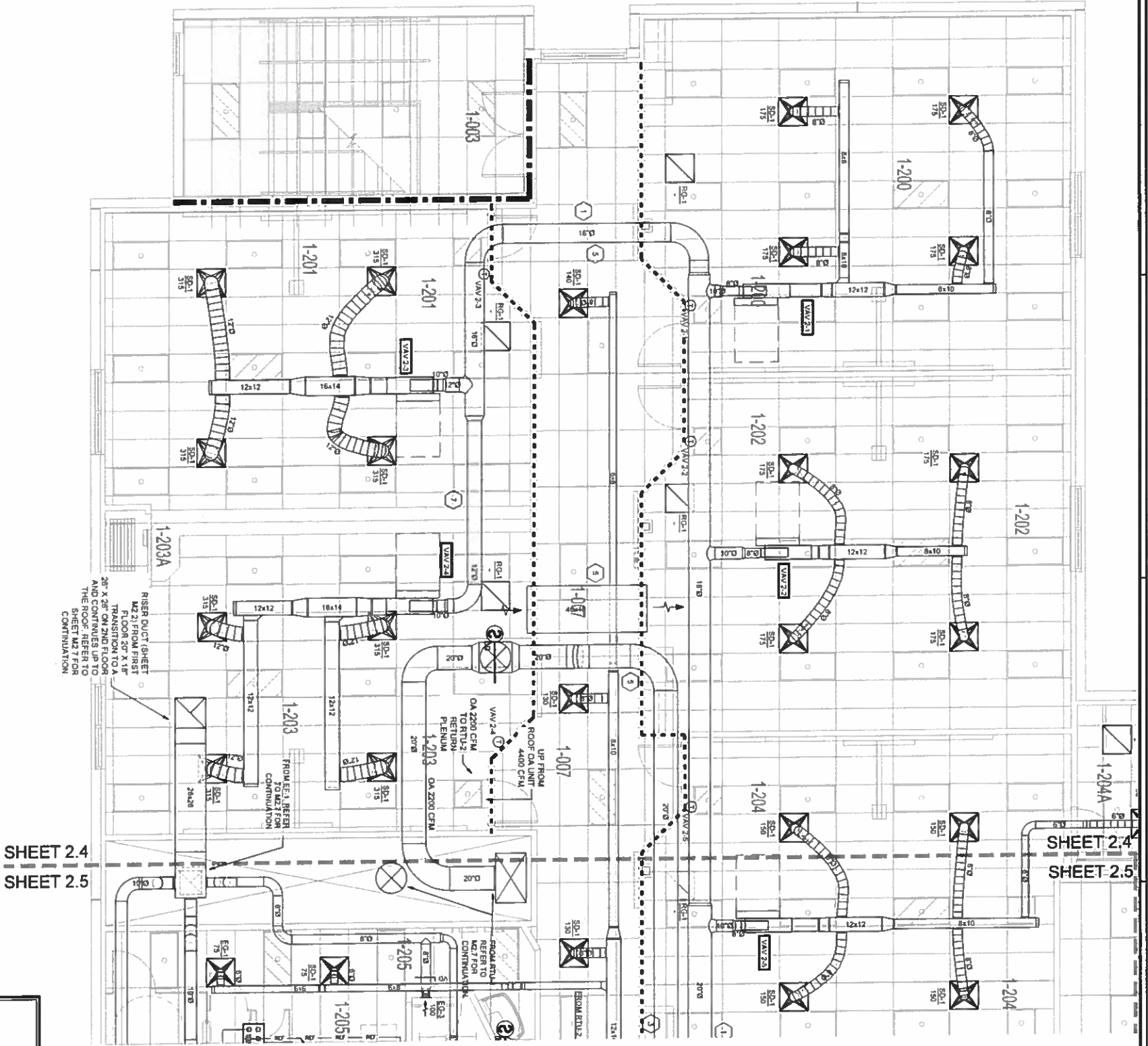
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Date	05-24-14
Drawn	RGD
Checked	
Approved	
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M2.3

PARTIAL FIRST FLOOR
MECHANICAL PLAN-
NORTH-EAST

1

PARTIAL SECOND FLOOR MECHANICAL PLAN- SOUTH-WEST



SHEET 2.4
SHEET 2.5

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

- MECHANICAL KEY NOTES**
1. RUM MEDIAL PRESSURE DUCT AS HIGH AS POSSIBLE.
 2. COMPONENT LOW PRESSURE DUCT TO RUM, 80% ABOVE MEDIAL PRESSURE DUCT. PROVIDE GYFTET PROPOR TO MEDIAL PRESSURE DUCT. LIMITED CEILING DAMPY IN THIS AREA.
 3. PROVIDE A 3/8" DIA. DUCT RISE UP TO RUM, REFER SHEET M21 FOR CONTINUATION.
 4. PROVIDE 3/8" DIA. DUCT RISE UP TO RUM, REFER SHEET M21 FOR CONTINUATION.
 5. DUCT PASSES THROUGH A SMOKE-PAINTED BARRIER, THE DUCT SHALL TRANSITION FROM OUTBOARD TO 28 IN DIA. UNPAINTED METAL CONNECTION WHERE LOCATED IN SMOKE-PAINTED SPACES. DUCT SHALL BE PROTECTED THROUGH SMOKE-PAINTED BARRIER SHALL BE PROTECTED WITH AN APPROVED ALL RESISTANT PIPE ISING BY EQUIP. MANUFACTURER.
 6. MECHANICAL CONTRACTOR SHALL COMPONENT ALL DUCT REQUIRED THROUGH STRUCTURAL STEEL THAT SUPPORT REMOVABLE PARTITIONS WITH THE GENERAL CONTRACTOR.

RGD
CONSULTING ENGINEERS

1112 FLORIAN DRIVE, SUITE 101, WEST PALM BEACH, FL 33411
TEL: 561-833-1112 FAX: 561-833-1113
WWW.RGDENGINEERS.COM

DATE: 09/24/14
DRAWN BY: RGD

**NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY**
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

Sheet No: 214031.00
Date: 09-24-14
Client: RGD

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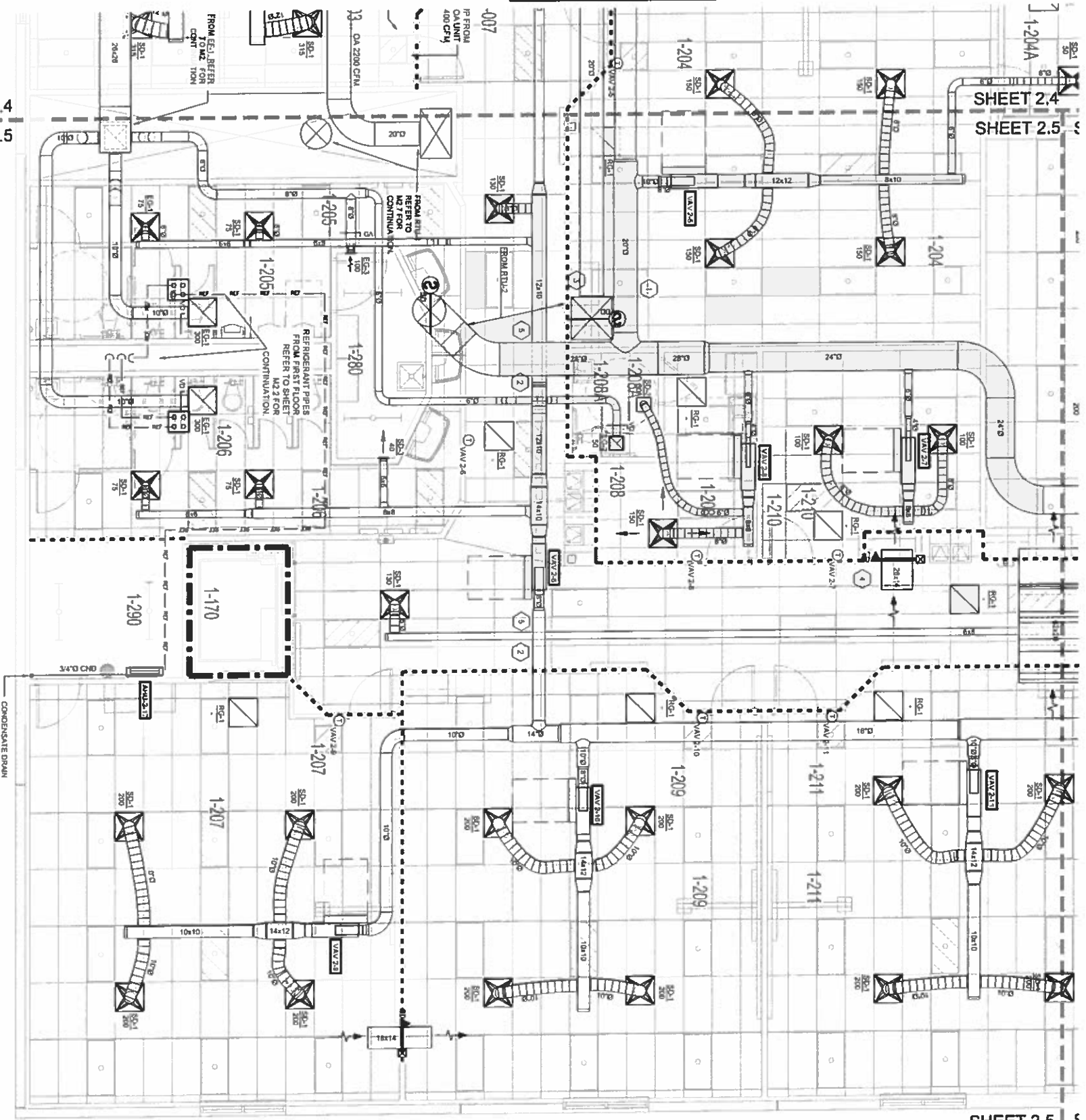
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PARTIAL SECOND FLOOR MECHANICAL PLAN- SOUTH-WEST

M2.4

- MECHANICAL KEY NOTES**
1. RAIN ACTUAL PRESSURE DUCT AS HIGH AS POSSIBLE.
 2. COORDINATE LOW PRESSURE DUCT TO RAIN BELOW ACTUAL PRESSURE DUCT PROVIDE OFFSET FROM TO RAIN PRESSURE DUCT LIMITED CEILING CAVITY IN THIS AREA.
 3. PROVIDE A 3" OFFSET UP TO RAIN UP TO 18" SHIELD UP FOR CONTINUATION.
 4. PROVIDE SMOKE DAMPER REFERENCE DETAIL 2 ON SHEET M2.1 PROVIDE DUCT ADJUTED ACCESS DOOR.
 5. DUCT PASSES THROUGH A BARGE-BATTED BARRIER, THE DUCT SHALL TRAVEL FROM DUCTBOARD TO FLOOR THROUGH BARGE-BATTED BARRIER LOCATED IN BARGE-BATTED BRACKET DUCT BOARD THROUGH BARGE-BATTED BARRIER SHALL BE PROVIDED. BARGE-BATTED BARRIER SHALL BE PROVIDED BY EQUIP. MANUFACTURER.
 6. ALL REFRIGERANT PIPES SHOWN BY EQUIP. MANUFACTURER.
 7. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT REQUIRED THROUGH STRUCTURAL, STEEL, THAT SUPPORT REMOVABLE PARTITIONS WITH THE GENERAL CONTRACTOR.



SHEET 2.4
SHEET 2.5

SHEET 2.4
SHEET 2.5

SHEET 2.5

1

PARTIAL SECOND FLOOR MECHANICAL PLAN-SOUTH-EAST

CONDENSATE DRAIN
SHEET M2.2 FOR
CONTINUATION

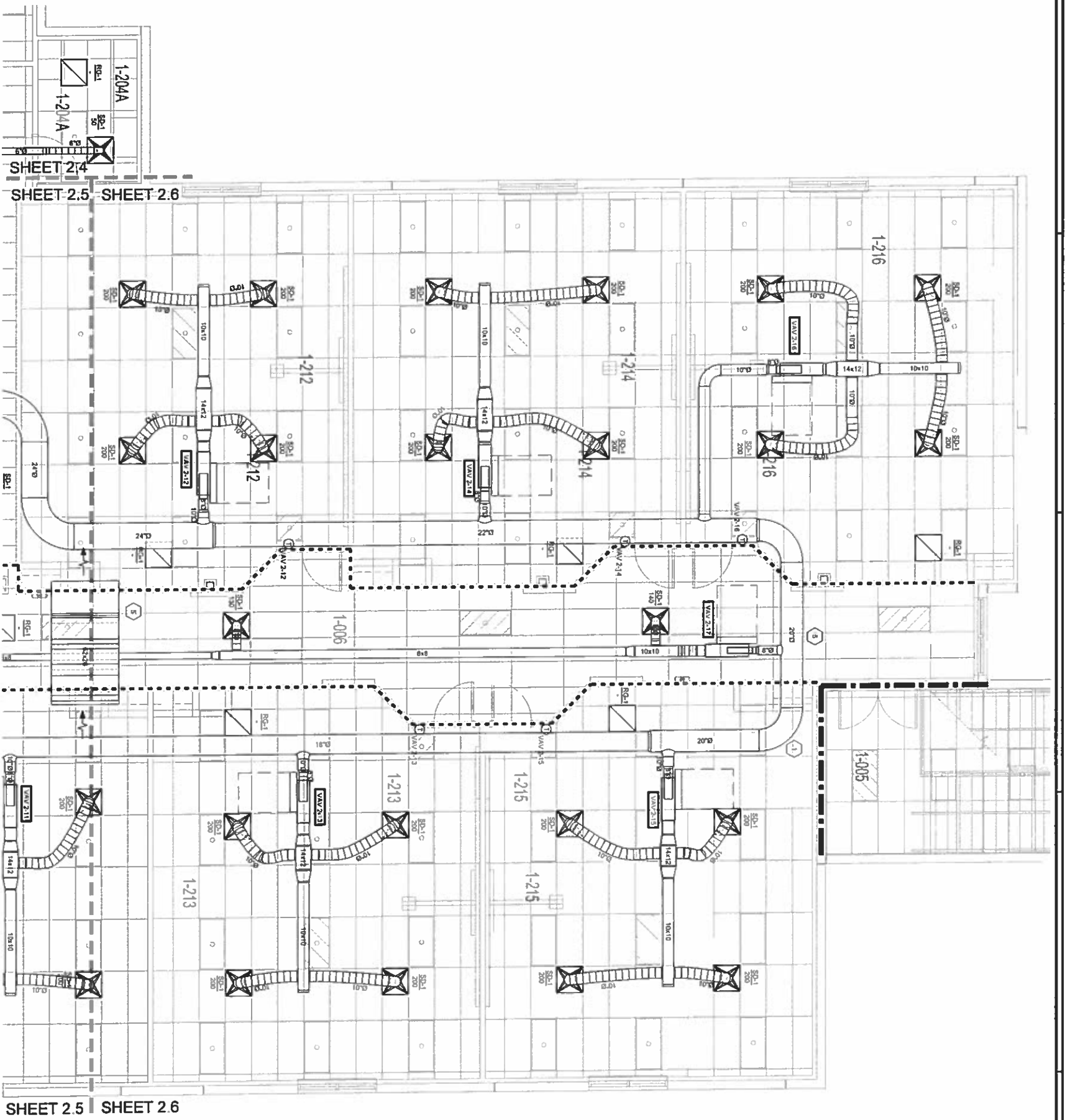
SCALE: 1/8" = 1'-0"

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 561-833-8888
 www.rgd.com

DATE: 11/18/2014

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			Date: 2/14/2014 Drawn: RGJ Checked: RGJ		



MECHANICAL KEY NOTES

1. RUN MECHANICAL MEASURE DUCT AS HIGH AS POSSIBLE
2. OCCUPANTIC LOW PRESSURE DUCT TO RUN BELOW MECHANICAL MEASURE DUCT PROVIDE OFFSET FROM TO OCCUPANTIC PRESSURE DUCT. DUCTS CEILING EXCEPT IN THE PDS.
3. PROVIDE A "STOP" DUCT RISE UP TO RUL. REFER SHEET MECHANICAL CONTINUATION.
4. PROVIDE SMOKE DAMPER REFERENCE DETAIL 2 ON SHEET 10.2. PROVIDE DUCT MOUNTED ACCESS DOOR.
5. DUCT PASSES THROUGH A SMOKE-RATED BARRIER, THE DUCT SHALL BE PROTECTED FROM EXPOSURE TO 25 CAL/GALVANIZED METAL CONSTRUCTION WHENEVER LOCATED IN SMOKE-RATED SPACES. DUCT PENETRATION THROUGH SMOKE-RATED BARRIER SHALL BE PROPERLY SEALED WITH AN APPROVED ALL RESISTANT PNE SEISMIC BY ICOP. (MAY) ACTUAL.
6. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT PENETRATIONS THROUGH GENERAL PARTITION. STRUCTURAL STEEL SHALL SUPPORT RELAYABLE PARTITIONS WITH THE GENERAL CONSTRUCTION.

PARTIAL SECOND FLOOR MECHANICAL PLAN- NORTH-EAST

SHEET 2.5 | SHEET 2.6

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REGINA J. BAKER
REGISTERED PROFESSIONAL ENGINEER
CERT. NO. 12457
DATE: 12/18/2014

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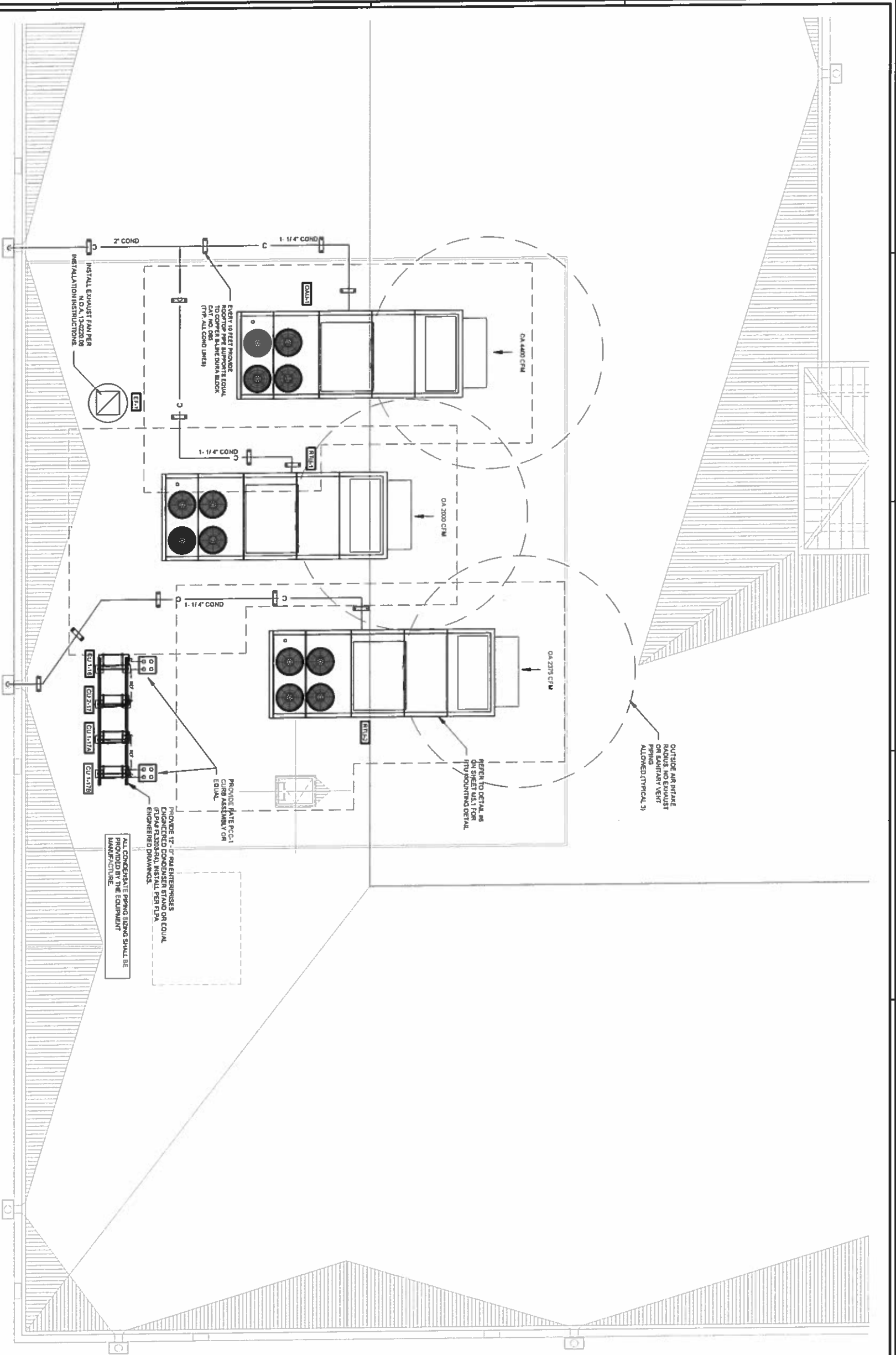
NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS

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Date: 08-24-14
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PARTIAL SECOND FLOOR MECHANICAL PLAN-NORTH-EAST

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M2.6



1 MECHANICAL ROOF PLAN

SCALE 1/8" = 1'-0"

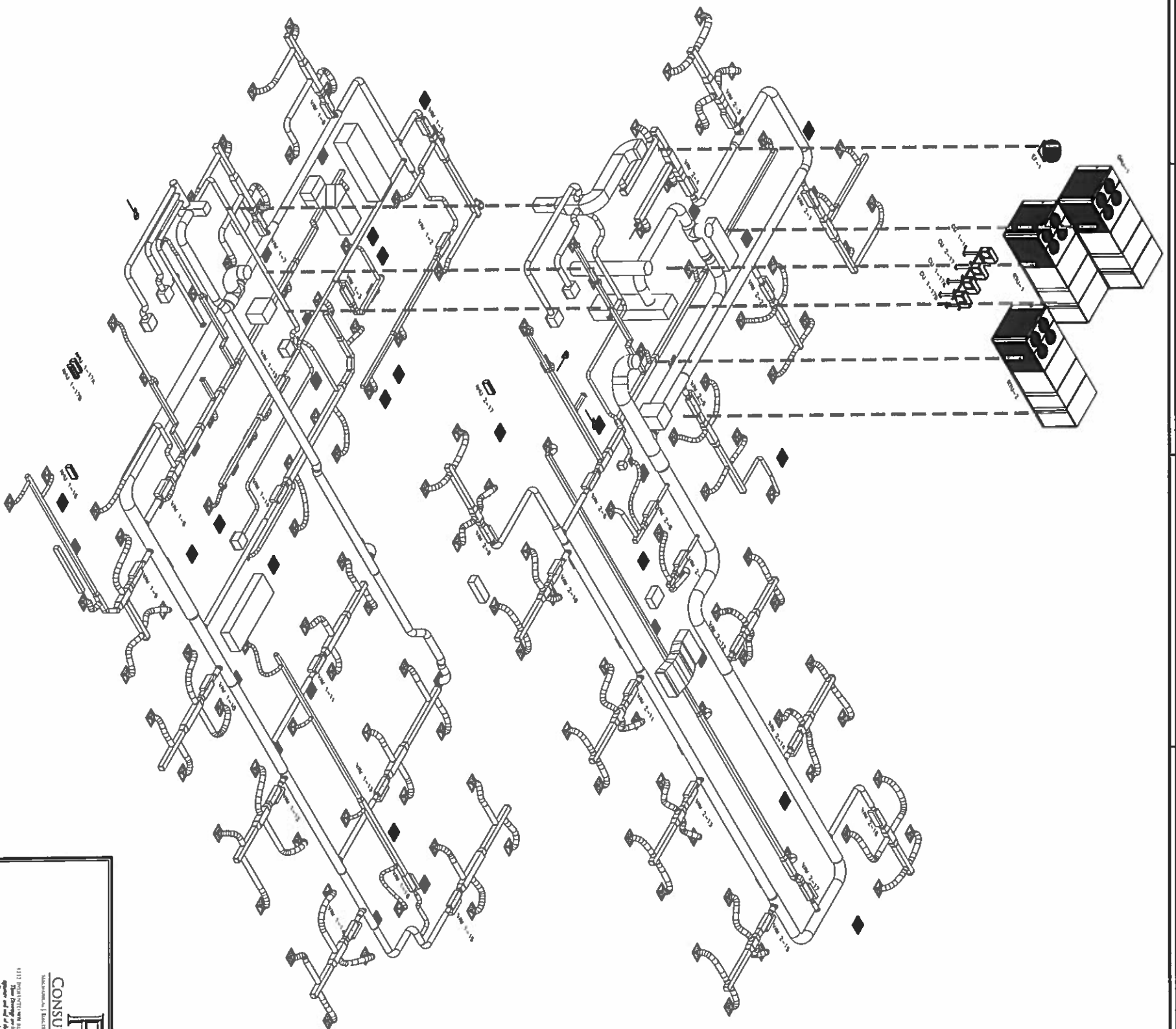
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PROJECT: NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
DATE: 05-24-14

MECHANICAL ROOF PLAN	DATE	05-24-14	NEW CLASSROOM BUILDING RIVIERA BEACH MARITIME ACADEMY RIVIERA BEACH, FLORIDA CONSTRUCTION DOCUMENTS	Ft. Lauderdale 954-486-7810 Ft. Myers 239-275-7774 Jacksonville 904-396-3300 Orlando 407-657-7727 Punta Gorda 941-675-0403 St. Petersburg 727-696-4611 West Palm Beach 561-478-4457 AACC00119 www.harvardjolly.com WEST PALM BEACH, FL	HARVARD•JOLLY ARCHITECTURE
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MECHANICAL ISOMETRICS



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REGISTERED PROFESSIONAL ENGINEER
MECHANICAL ENGINEER
STATE OF ALABAMA
NO. 11820
EXPIRES 12/31/2014

Bank	Manufacturer	Unit Model	Primary Inlet	Design cooling airflow	Min cooling airflow	Cooling inlet velocity	Heating airflow	Electric heater voltage	Electric heater amperage	Full load amps	Min circuit amperage	Max amp size
VAV-1-1	TRANE	TRANE	0	700	105	2005	420	277/1100	14.44	18.05	20	
VAV-1-2	TRANE	TRANE	5	250	50	1833	150	277/1100	4.67	6.77	15	
VAV-1-3	TRANE	TRANE	4	150	30	1718	90	277/1100	3.81	4.91	15	
VAV-1-4	TRANE	TRANE	8	700	105	2291	474	277/1100	18.23	20.31	25	
VAV-1-5	TRANE	TRANE	5	335	50	2458	201	277/1100	7.22	9.03	15	
VAV-1-6	TRANE	TRANE	8	600	90	2291	480	277/1100	18.23	20.31	25	
VAV-1-7	TRANE	TRANE	8	600	90	2291	480	277/1100	18.23	20.31	25	
VAV-1-8	TRANE	TRANE	10	1000	150	2520	480	277/1100	24.44	27.08	35	
VAV-1-9	TRANE	TRANE	8	600	90	2291	480	277/1100	18.23	20.31	25	
VAV-1-10	TRANE	TRANE	8	600	90	2291	480	277/1100	18.23	20.31	25	
VAV-1-11	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-1-12	TRANE	TRANE	8	700	105	2291	480	277/1100	18.23	20.31	25	
VAV-1-13	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-1-14	TRANE	TRANE	8	700	105	2178	480	277/1100	18.23	20.31	25	
VAV-1-15	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-1	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-2	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-3	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-4	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-5	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-6	TRANE	TRANE	8	600	90	2291	480	277/1100	18.05	18.05	25	
VAV-2-7	TRANE	TRANE	5	400	50	2520	240	277/1100	24.44	27.08	35	

APPROVED ALTERNATES: TTUS & ENVIRO-TEC

SPECIAL NOTES:
 1. ALL EQUIPMENT SHALL BE EQUAL TO TRANE EQUIPMENT LISTED IN ALL RESPECTS.
 2. ELECTRICAL SPECIFICATIONS LISTED ARE CONSISTENT WITH TRANE EQUIPMENT ALTERNATE EQUIPMENT MAY VARY COORDINATE VARIANCES WITH THE ELECTRICAL CONTRACTOR.
 3. PROVIDE DOOR INTERLOCKING DISCONNECT SWITCH.
 4. PROVIDE XAV CONTROL TRANSFORMER.
 5. PROVIDE ELECTRIC HEAT AS SCHEDULED WITH MAGNETIC CONTACTOR.

VAV TERMINAL BOX SCHEDULE

GRILLE, REGISTER, & DIFFUSER SCHEDULE

BANK	MANUF	MODEL NO.	FACE SIZE	NECK SIZE / LENGTH	THROW / SLOTS	FRAME TYPE	FINISH	VOLUME DAMPER	FINE DAMPER	NOTES
SD-1	TTUS	QUANAA	24" X 24"	PER PLANS	PER PLANS	LAYN	NOTE 1	NOTE 2	N/A	1.2.3
SD-2	TTUS	QUANAA	12" X 12"	PER PLANS	PER PLANS	LAYN	NOTE 1	NOTE 2	N/A	1.2.3
SD-3	TTUS	7ZFL	7.5" X 7.5"	6" X 6"	SIDEWALL SURFACE	NOTE 1	NOTE 2	N/A	1.2.3	
RG-1	TTUS	39FL	24" X 24"	22" X 22"	FIXED	LAYN	NOTE 1	NOTE 2	N/A	1.2.3
EG-1	TTUS	39FL	24" X 24"	22" X 22"	FIXED	LAYN	NOTE 1	NOTE 2	N/A	1.2.3
EG-2	TTUS	39FL	12" X 12"	10" X 10"	FIXED	LAYN	NOTE 1	NOTE 2	N/A	1.2.3
EG-3	TTUS	39FL	7.5" X 7.5"	6" X 6"	SIDEWALL SURFACE	NOTE 1	NOTE 2	N/A	1.2.3	

SPECIAL NOTES - ALL DIFFUSERS SELECTED WITH NO RATING < 20"
 1. COORDINATE COLOR WITH ARCHITECT
 2. PROVIDE VOLUME DAMPER AT THE FLEX-TAP. PROVIDE VOLUME REGULATOR FOR VOLUME DAMPERS IN UNACCESSIBLE AREAS.
 3. PROVIDE TTUS ROUND MOUNT FRAME FOR MOUNTING IN HARD CEILINGS

APPROVED ALTERNATES: PRICE, VALOR, TUTTLE & BAILEY

FAN SCHEDULE

BANK	LOCATION	ROOF/TYPE	ROOF/TYPE	ROOF/TYPE
EF-1	ROOFTOP	36" X 36"	ROOF	ROOF
MR-1	MOTOR ROOM	18" X 18"	MOTOR ROOM	MOTOR ROOM
GR-1	GREENHOUSE	18" X 18"	GREENHOUSE	GREENHOUSE
ST-1	STATIC PRESSURE	18" X 18"	STATIC PRESSURE	STATIC PRESSURE
AL-1	AIRFLOW	18" X 18"	AIRFLOW	AIRFLOW
MO-1	MOTOR RPM	1740	MOTOR RPM	MOTOR RPM

MOTOR INFORMATION

VOLTS	240
CURRENT (A)	3.4
PH	3
Hz	60
NOTES:	1.3.4

NOTES:
 1. PROVIDE WITH BACKDRIFT DAMPER.
 2. FAN SHALL BE CONTROLLED BY THE BUILDING MANAGEMENT SYSTEM TO SCHEDULED TO ALWAYS ON DURING OCCUPIED PERIODS.

APPROVED ALTERNATES: LOREN COOK, S&B PERM

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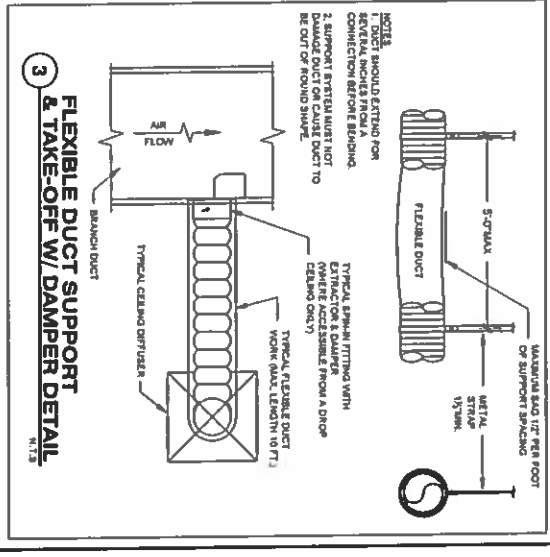
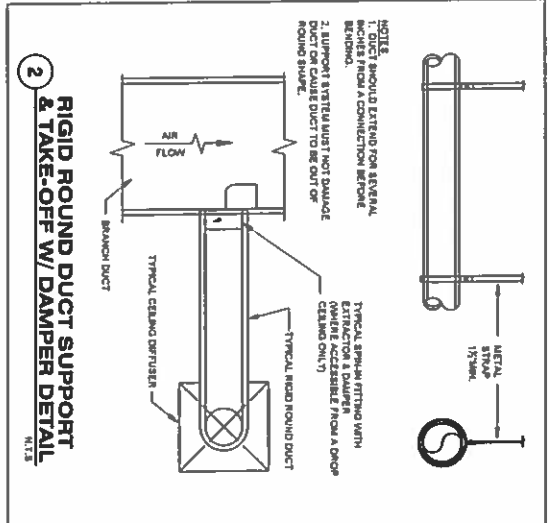
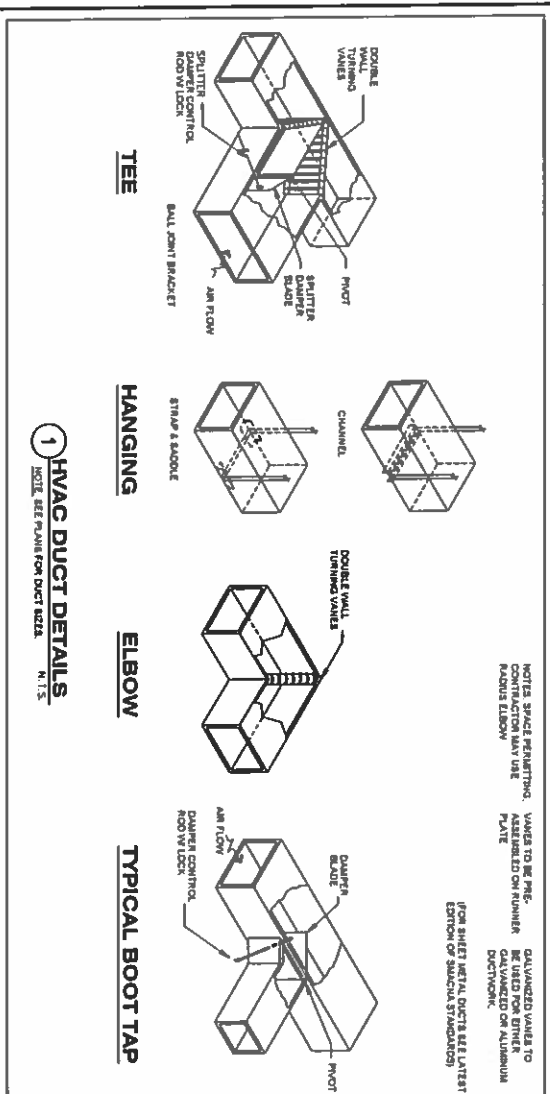
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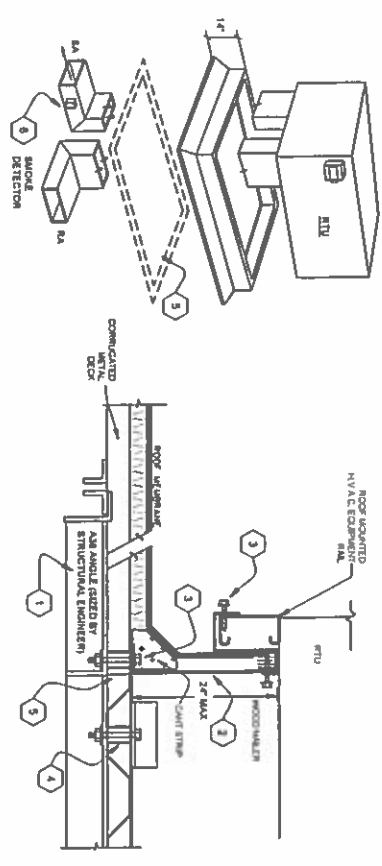
MECHANICAL SCHEDULES

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REFERENCE INSTALLATION DETAILS



NOTES

1. PROVIDE 1/4" SCHEDULE 40 PIPE SLEEVES BETWEEN JOISTS AND AS REQUIRED TO SUPPORT THE CURB CONTINUOUS AROUND THE PERIMETER. ALL STRUCTURAL STEEL FABRICATION REQUIRED FOR THE SUPPORT STRUCTURE SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED BY THE SHELL STRUCTURAL ENGINEER. THE CONTRACTOR SHALL REFER TO STRUCTURAL DETAILS.
2. ROOF CURB SHALL BE PROVIDED BY THE HVAC EQUIPMENT MANUFACTURER AND MATCHED TO THE RTU. INSTALLED CURB SHALL EXTEND 8" MIN ABOVE THE ROOF MEMBRANE.
3. APPLY SIX #10 TEK SCREWS PER RESTRAINT BRACKET. 7" O.C. SPACING HOLDING HVAC UNIT TO RESTRAINT BRACKET.
4. PROVIDE 1/2" SCHEDULE 40 PIPE SLEEVES TO SUPPORT THE CURB FLANGE. ADJUST LENGTH OF SLEEVE AS REQUIRED TO MATCH THE RECESS IN THE ROOF SHEETING. DO NOT WARP THE CURB FLANGE OR CRUSH THE CORRUGATED ROOFING.
5. CUT THE ROOF SHEETING BACK AS REQUIRED TO ACCESS THE BOTTOM RAIL OF THE RTU FROM THE INSIDE OF THE CURB.
6. PROVIDE SMOKE DETECTORS IN ACCORDANCE WITH FICM 2007 SECTION 068. PROVIDE SMOKE DETECTORS ON UNITS SERVING EXPRESS OR LARGES GREATER THAN 2000 CFM OR AS AGGREGATE SYSTEMS GREATER THAN 2000 CFM. THE DETECTORS SHALL BE UL94V-0 WIREMESH TEST STATION. THE DETECTORS SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR (IF BUILDING EQUIPPED WITH A FIRE ALARM SYSTEM) AND INSTALLED BY THE MECHANICAL CONTRACTOR. ELECTRICAL INTERCONNECTION BY THE ELECTRICAL CONTRACTOR. IF FIRE ALARM SYSTEM IS PRESENT, SMOKE CUT OFF MUST BE INTERLOCKED WITH ALARM SYSTEM.
7. THE DUCT SIZES SHOWN ON THE PLAN MAY BE LARGER THAN THE OPENING PROVIDED ON THE RTU. THE CONTRACTOR SHALL PROVIDE TRANSITIONS AS REQUIRED AS SOON AS POSSIBLE AFTER LEAVING THE RTU.
8. IMPORTANT! RTU MUST BE LEVEL TO INSURE PROPER CONDENSATE REMOVAL.

4 RTU MOUNTING DETAIL

1 MECHANICAL DETAILS

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**NEW CLASSROOM BUILDING
RIVIERA BEACH MARITIME ACADEMY
RIVIERA BEACH, FLORIDA
CONSTRUCTION DOCUMENTS**

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Date: 09-24-14
By: RGD

M5.1

MECHANICAL DETAILS

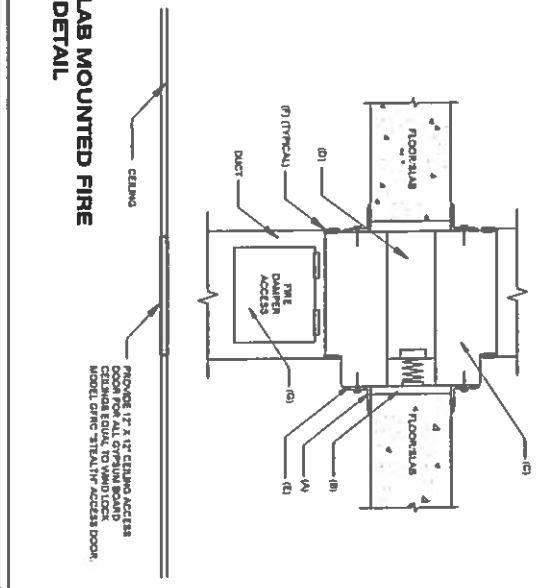
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TYPICAL INSTALLATION DETAILS

- 1) RETURN AIRWAYS SUPPLIED BY THE MANUFACTURER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2) RETURN AIRWAYS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
- 3) SEAL THE JOINT BETWEEN THE DAMPER AND THE DUCT USING DOW CORNING RTV 722 SEALANT OR GET 100 SERIES SILICONE CONSTRUCTION ADHESIVE.
- 4) DAMPER OPERATING JACK SHALL BE CLASS 3 DAMPER RATED 300F.
- 5) DAMPER OPERATING JACK SHALL BE CLASS 3 DAMPER RATED 300F.
- 6) ATTACH DAMPER TO DUCT WORK USING #10 SHEET METAL SCREWS SPACED EVERY 6" O.C. AND AT LEAST 2" FROM CORNERS.
- 7) THE PLANE OF THE CLOSED DAMPER MUST BE WITHIN 24" OF THE SMOKE PARTITION AND BE ONE WAY DOWN THE DUCT.

NOTE: IF DIFFERENT MANUFACTURE IS INSTALLED, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

1 FLOOR/SLAB MOUNTED FIRE DAMPER DETAIL



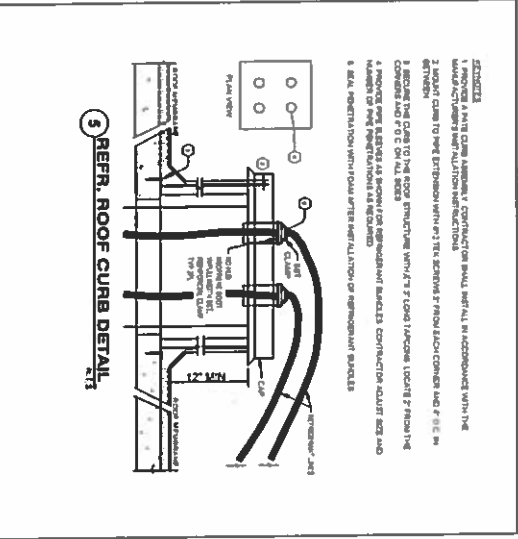
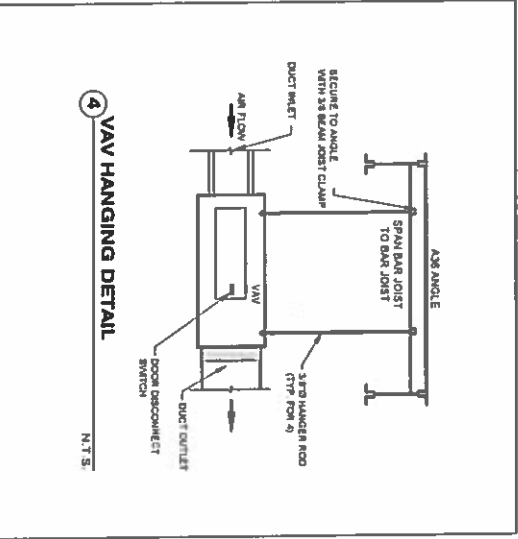
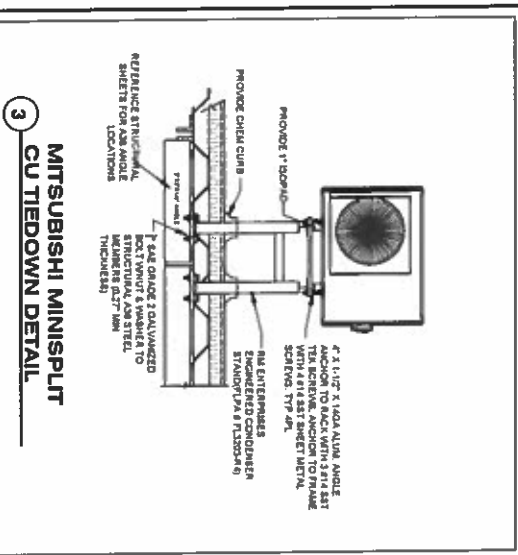
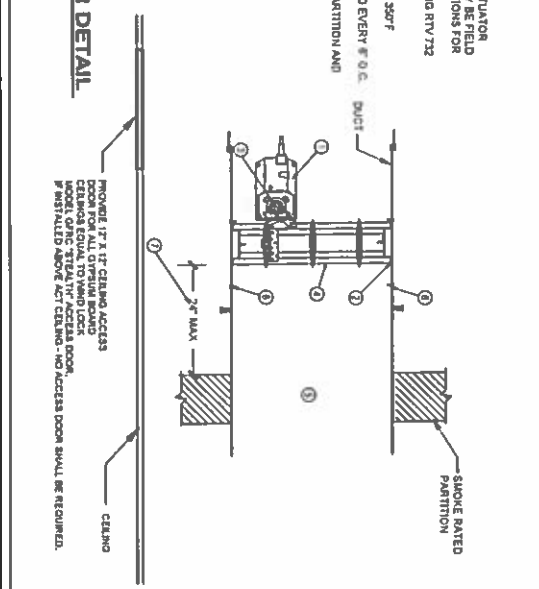
ITEM DESCRIPTION:

1. ACTUATOR LOCATION MAY VARY. DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. CHECKER'S USE LISTED FIRE-RATED DAMPER ACTUATORS MAY BE FIELD MOUNTED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
2. SEAL THE JOINT BETWEEN THE DAMPER AND THE DUCT USING DOW CORNING RTV 722 SEALANT OR GET 100 SERIES SILICONE CONSTRUCTION ADHESIVE.
3. DAMPER OPERATING JACK SHALL BE CLASS 3 DAMPER RATED 300F.
4. DAMPER OPERATING JACK SHALL BE CLASS 3 DAMPER RATED 300F.
5. ATTACH DAMPER TO DUCT WORK USING #10 SHEET METAL SCREWS SPACED EVERY 6" O.C. AND AT LEAST 2" FROM CORNERS.
6. THE PLANE OF THE CLOSED DAMPER MUST BE WITHIN 24" OF THE SMOKE PARTITION AND BE ONE WAY DOWN THE DUCT.

NOTES:

1. SMOKE DAMPER SHALL BE OPEN WITH POWER ON AND CLOSED WITH POWER OFF.
2. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WHERE THE PLANE OF THE DAMPER BLADES MUST BE INSTALLED WITHIN 24" OF THE RATED SMOKE BARRIER.

2 SMOKE DAMPER DETAIL



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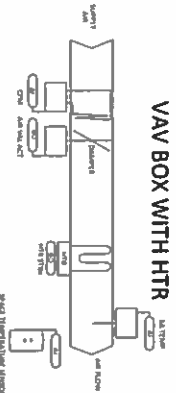
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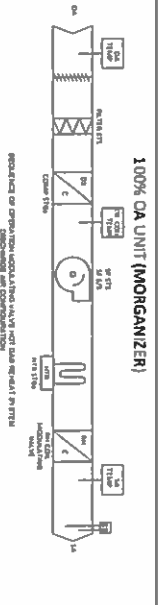
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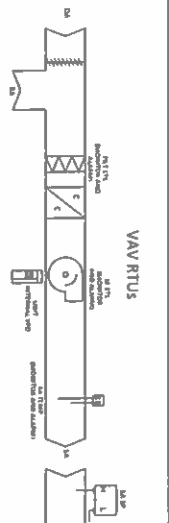
THE CONTRACTOR SHALL VERIFY THE PROPOSED CONNECTION OF THE CONTROL SYSTEM TO THE BUILDING SYSTEM. THE CONTRACTOR SHALL VERIFY THE PROPOSED CONNECTION OF THE CONTROL SYSTEM TO THE BUILDING SYSTEM. THE CONTRACTOR SHALL VERIFY THE PROPOSED CONNECTION OF THE CONTROL SYSTEM TO THE BUILDING SYSTEM.



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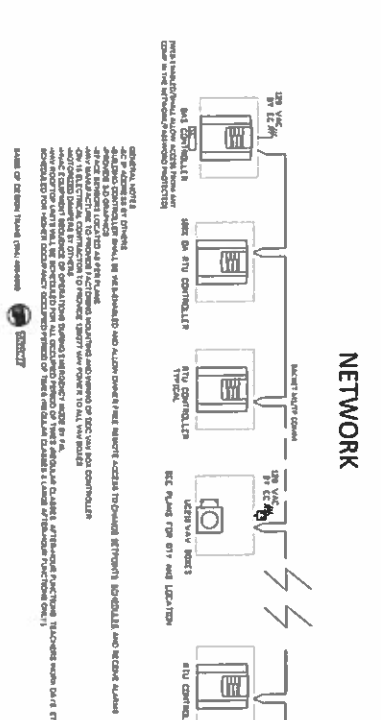


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ITEM NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1
2
3

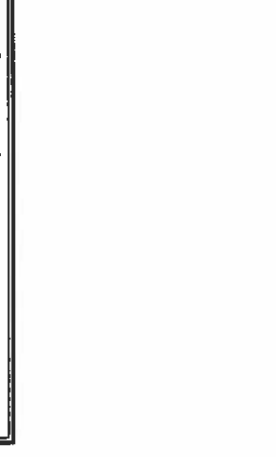


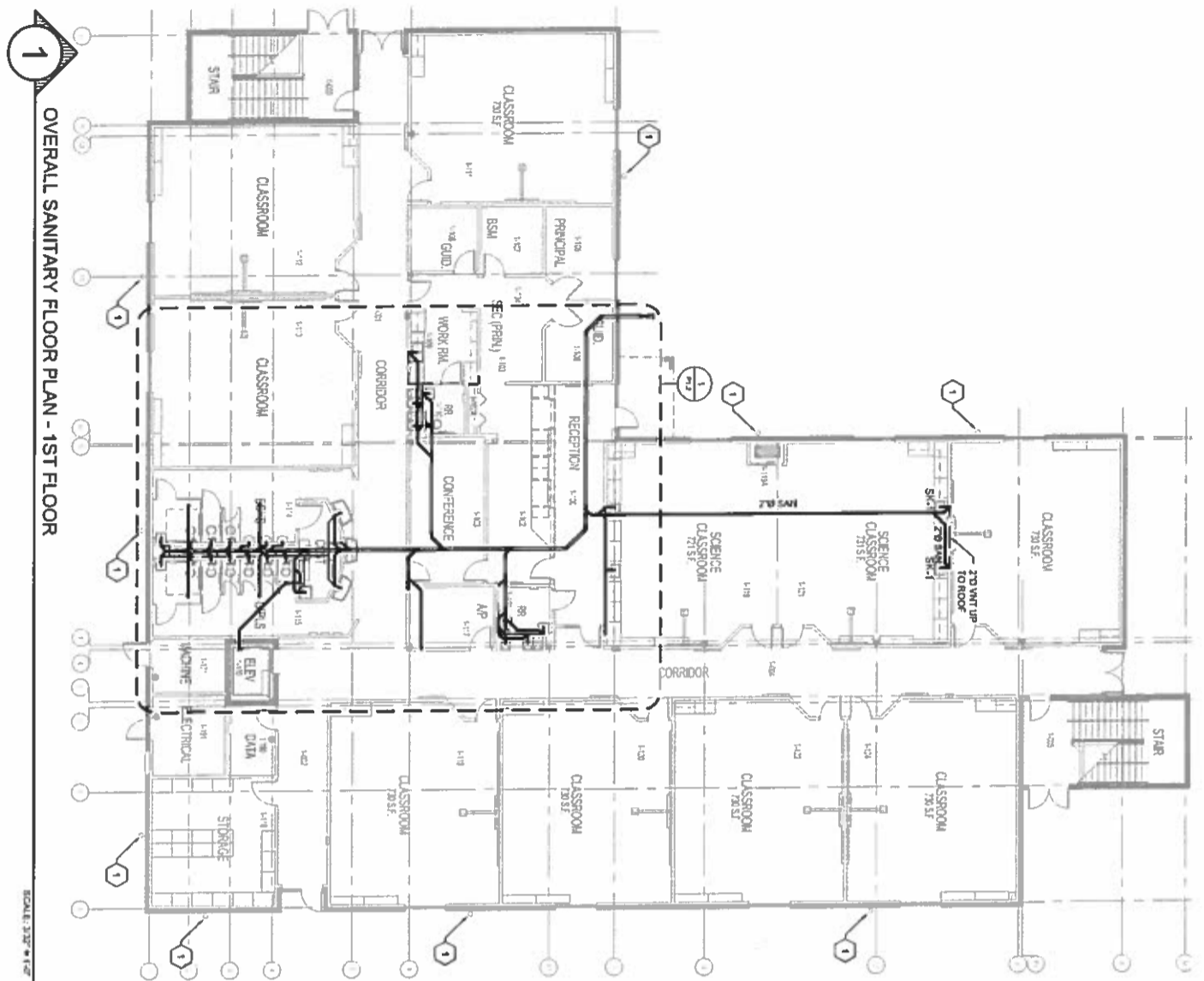
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MECHANICAL SYSTEMS

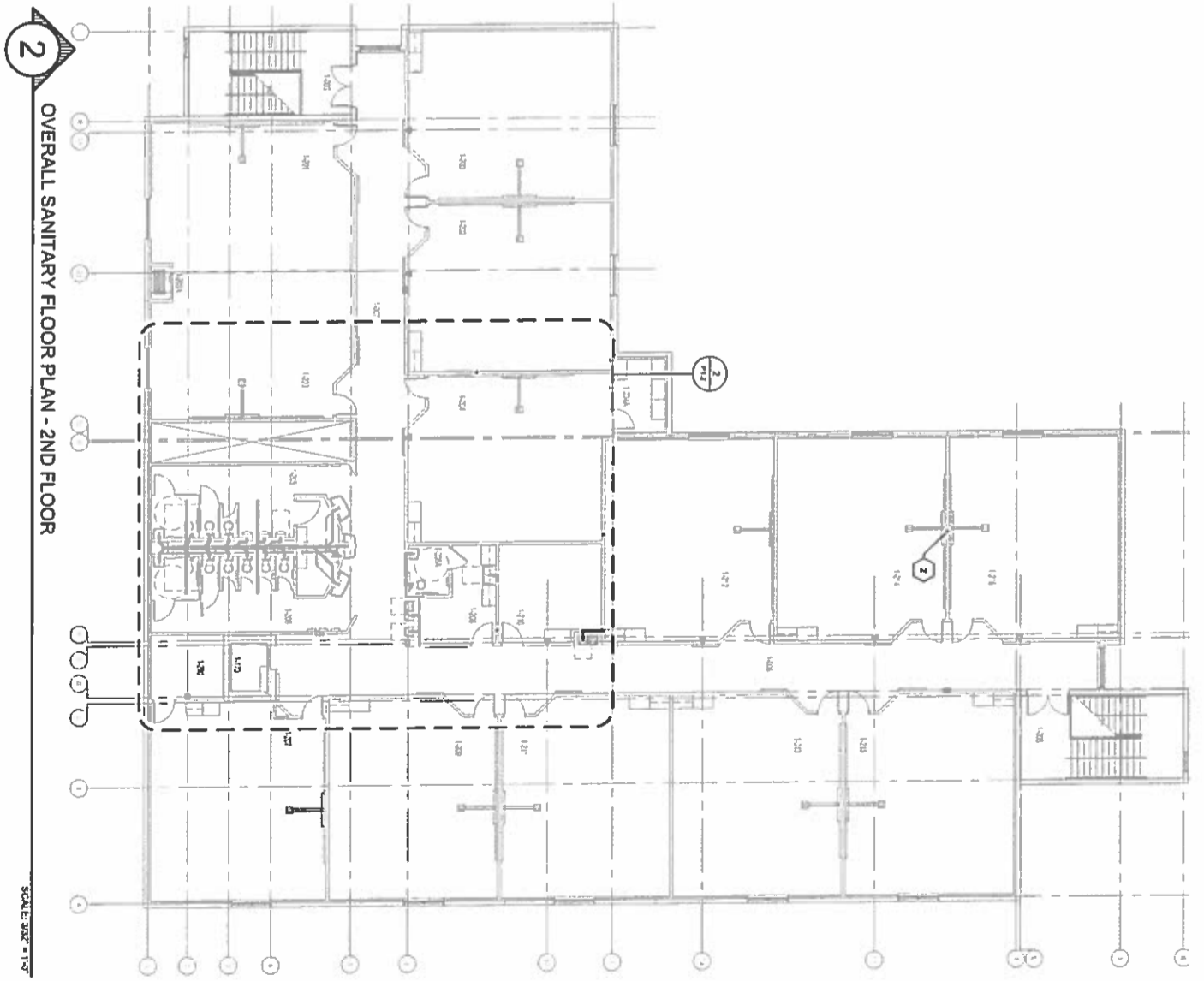
SYSTEM	DESCRIPTION	STATUS	NOTES
1
2
3

MECHANICAL CONTROLS





1 OVERALL SANITARY FLOOR PLAN - 1ST FLOOR



2 OVERALL SANITARY FLOOR PLAN - 2ND FLOOR

SANITARY KEY NOTES:

1. PROVIDE FOR STORM WATER DRAIN AT GRADE TO OPEN DRAINAGE FROM STORM WATER LEADER AND ROUTE DRAIN FROM EXTERIOR OF BUILDING TO DRAIN TO STORM DRAINAGE REFERENCE CIVIL SET PLAN.
2. 2\"/>

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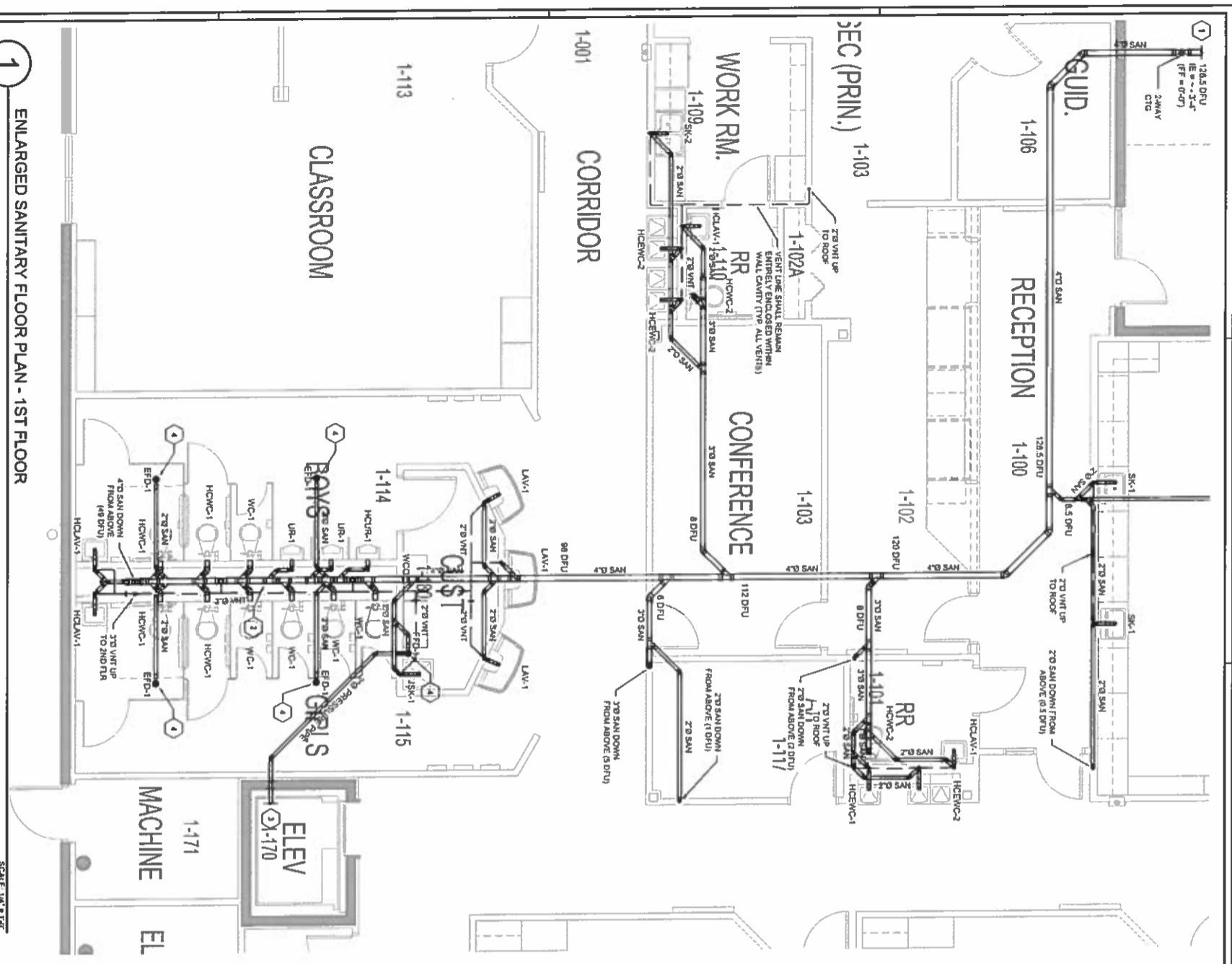
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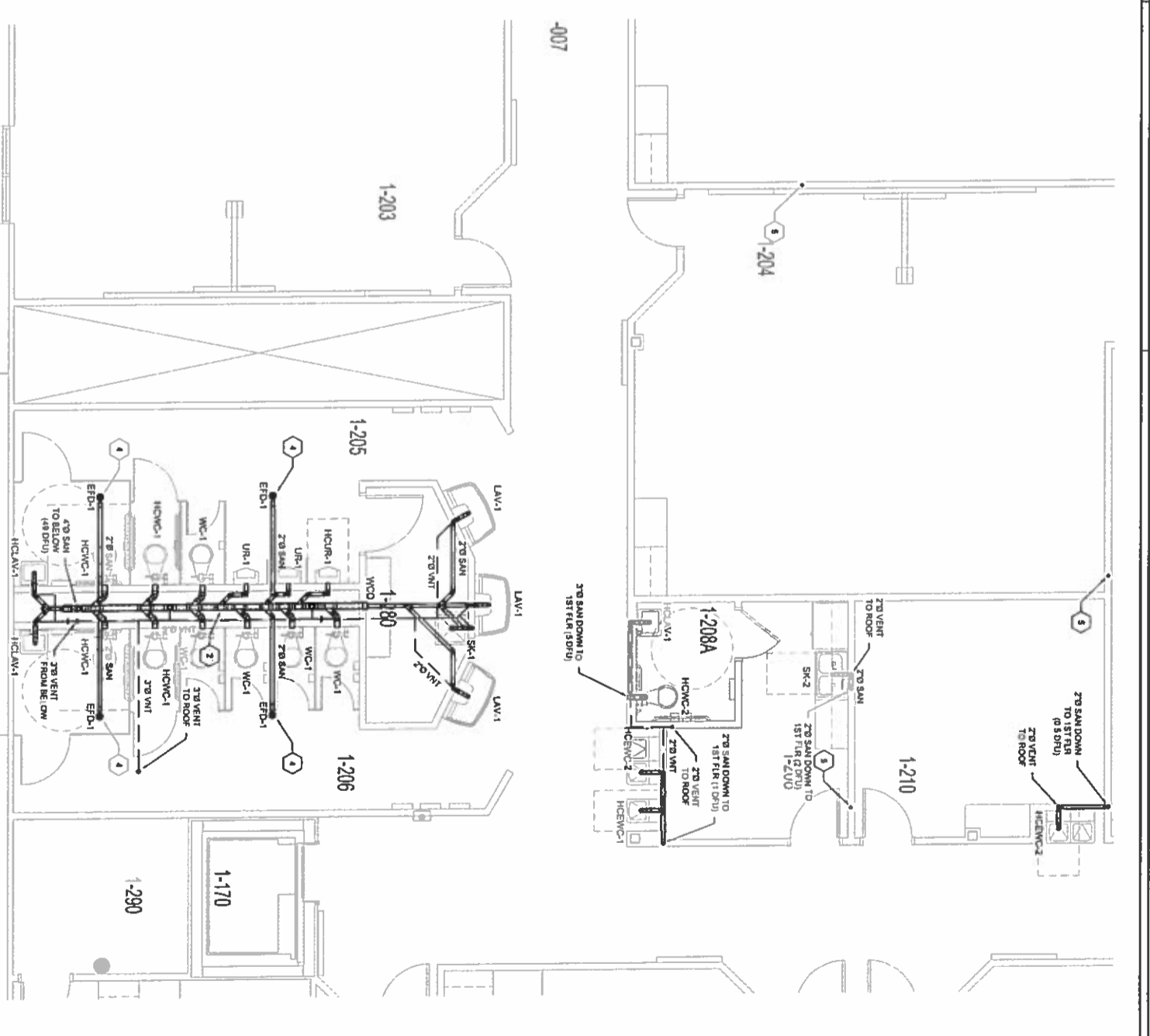
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Rev.	By	Date	Description
01	RGD	09-24-14	Issue for RFP
02	RGD		
03	RGD		
04	RGD		
05	RGD		
06	RGD		
07	RGD		
08	RGD		
09	RGD		
10	RGD		



1 ENLARGED SANITARY FLOOR PLAN - 1ST FLOOR

SCALE 1/4" = 1'-0"



2 ENLARGED SANITARY FLOOR PLAN - 2ND FLOOR

SCALE 1/4" = 1'-0"

SANITARY KEY NOTES:

1. BUILDING DRAIN TO BUILDING SEWER. REFERENCE ONE, TWO, P&A.
2. 4" BURN TIGHT DRAIN RECEIVING DISCHARGE FROM MULTICOMPARTMENT WATER COUPLERS AND UPWARD IN LOCATED IN WALL CAVITY ABOVE FLOOR BOARDS. SEE SECTION 1200.00 FOR PLAN.
3. 2" B PRESSURE RISE FROM ELEVATION EQUIP PUMP. REFERENCE ELEVATION EQUIP PUMP DETAIL FOR INSTALLATION.
4. FLOOR TRAP OF FLOOR DRAIN FROM NEAREST SINK OR COLD WATER SUPPLY LINE.
5. 2" B VENT LINE FROM FIRST FLOOR UP TO ROOF. VENT LINE SHALL BE ROUTED EXTERNALLY WITH WALL CAVITY AND SHALL NOT ROUTE THROUGH RETURN AIR VENTILATION.

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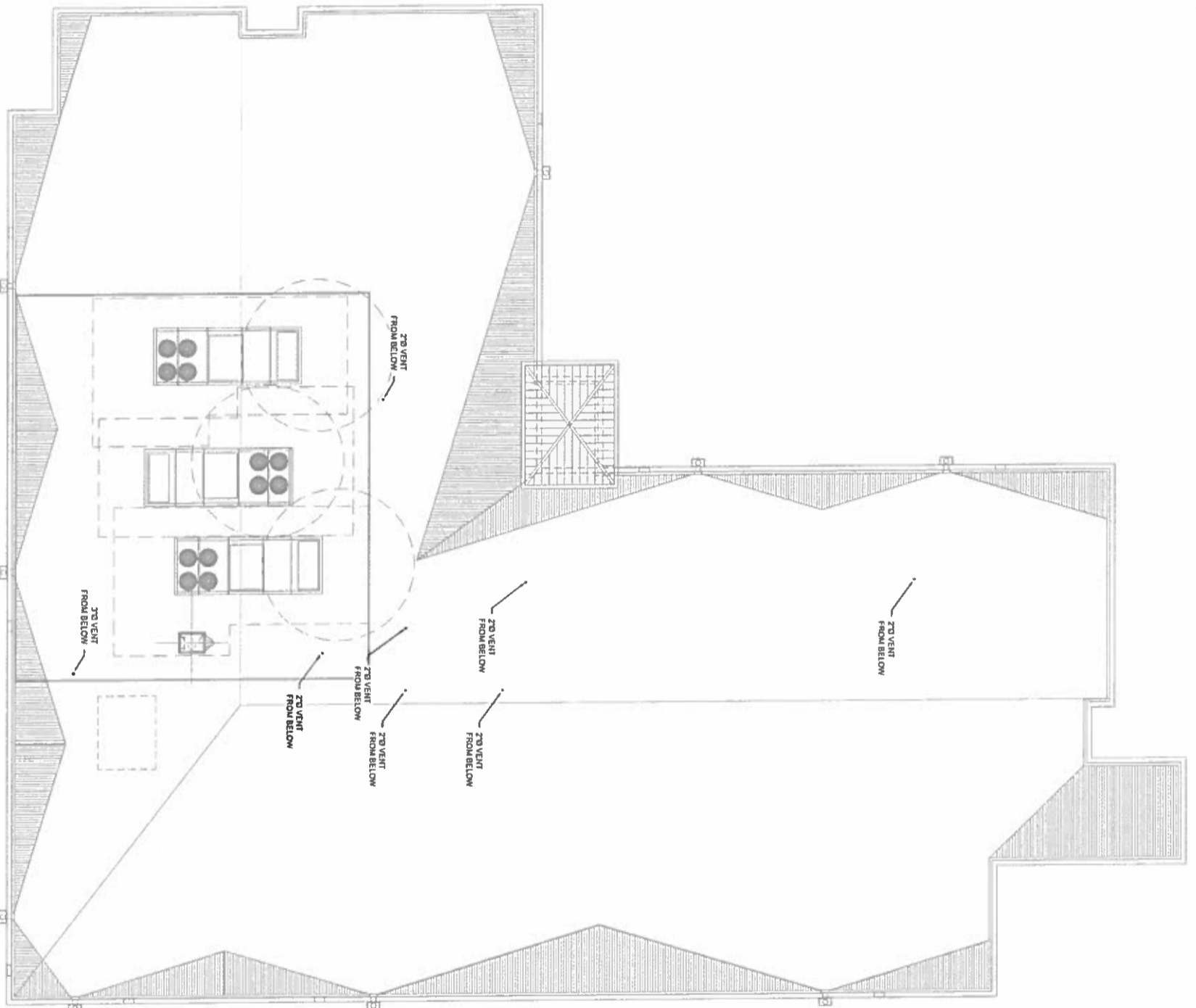
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SANITARY ROOF PLAN

SCALE 1/8" = 1'-0"

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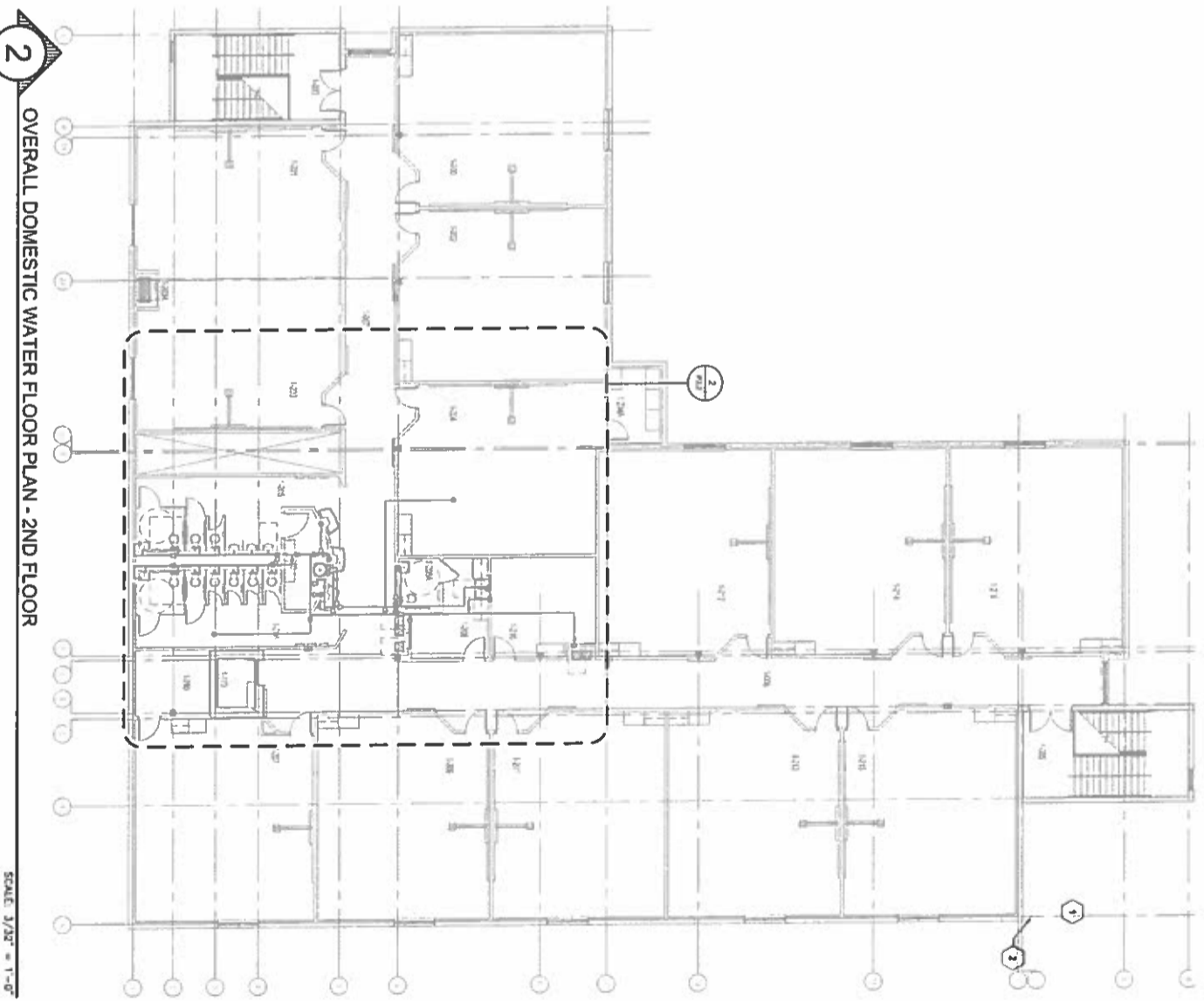
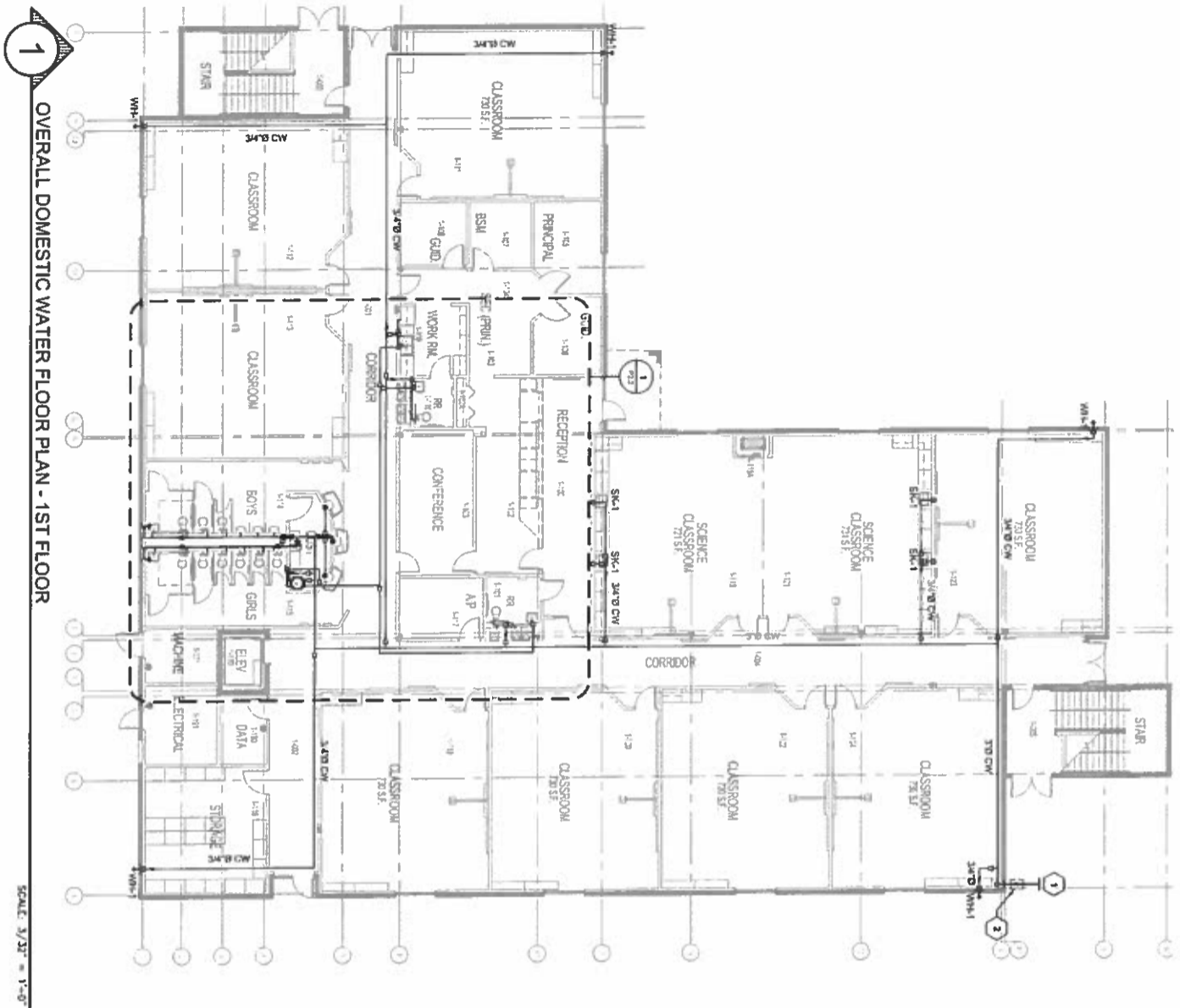
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Project	NEW CLASSROOM BUILDING
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Location	RIVIERA BEACH, FLORIDA
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Date	09-24-14
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- DOMESTIC WATER KEY NOTES:**
1. DOMESTIC WATER SUPPLY CONNECTION FROM METER, REFERENCE ONLY, SEE PLAN.
 2. PROVIDE PRESSURE-TEMPERATURE-CUT-OFF VALVE FOR MAIN SUPPLY VALVE.
 3. ELECTRIC WATER HEATER SHALL BE CEILING-MOUNTED AND INSTALLED ABOVE 30\"/>
 - 4. WATER SUPPLY LINE SERVING RESTROOM FIXTURES SHALL TERMINATE IN WALL CAVITY AND ROUTE ALONG WALL AT FINISH ELEVATION TO SERVICE FIXTURES.
 - 5. 3/4\"/>

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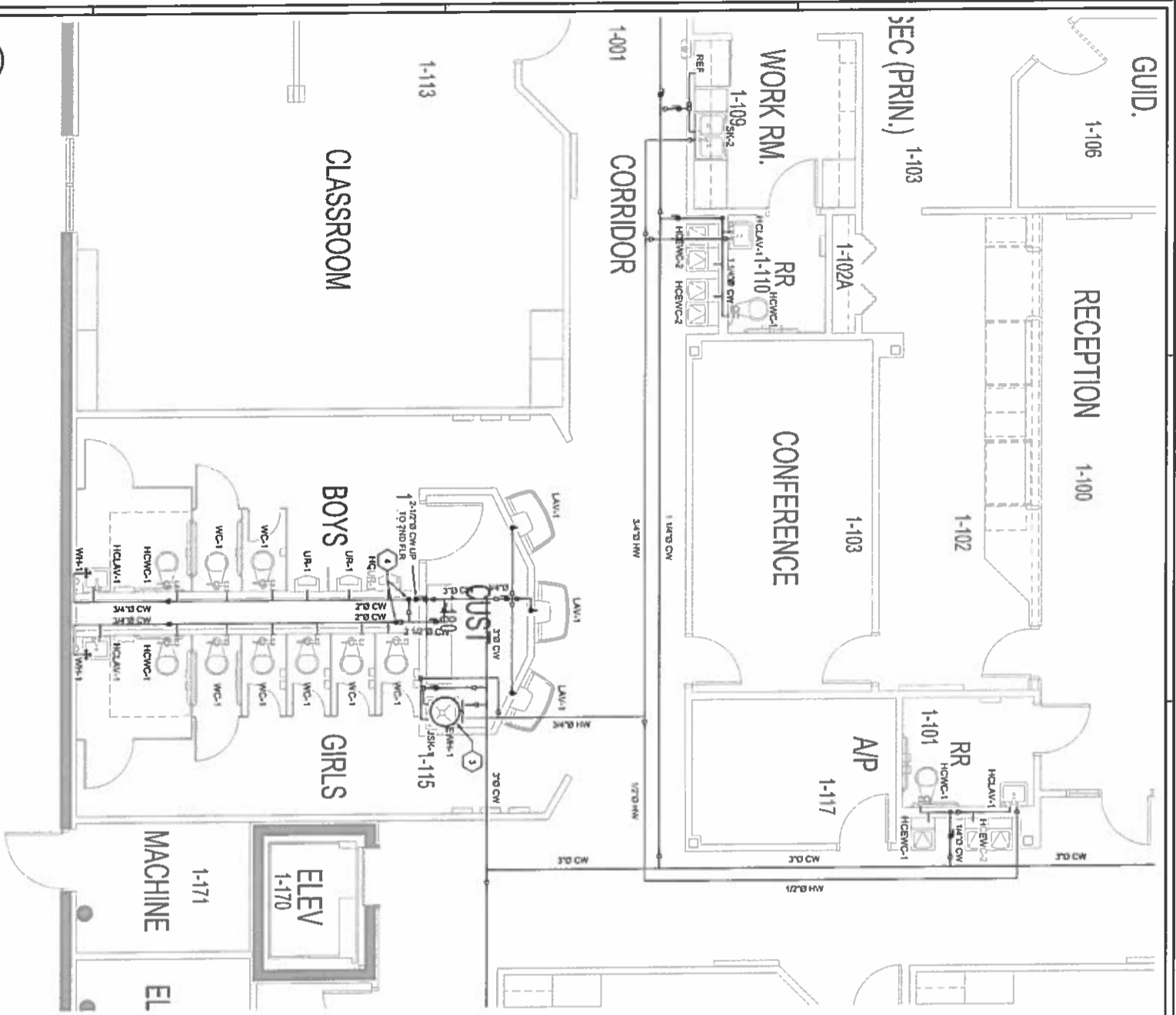
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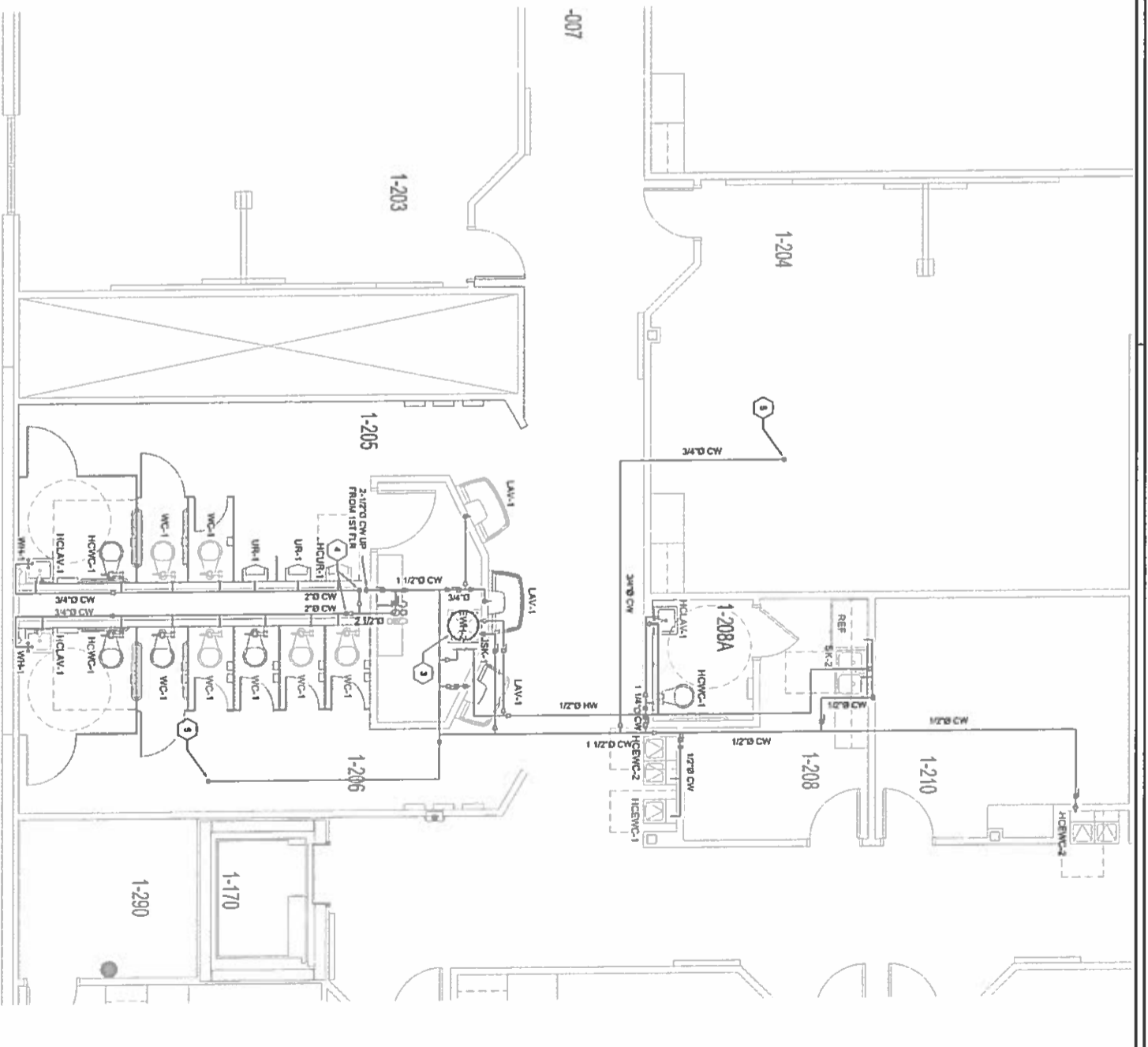
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1 ENLARGED DOMESTIC WATER FLOOR PLAN - 1ST FLOOR

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



2 ENLARGED DOMESTIC WATER FLOOR PLAN - 2ND FLOOR

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

DOMESTIC WATER KEY NOTES:

1. DOMESTIC WATER SUPPLY CONNECTION FROM UTILITY, REFERENCE CIVIL SITE PLAN.
2. PROVIDE FRESHWATER-TREATMENTED HYDRONIC VALVE BOX FOR MAIN SERVICE VALVE.
3. ELECTRIC WATER HEATER SHALL BE CEILING MOUNTED AND INSTALLED ABOVE 8'-0" MIN. PLUMB SHALL DRAIN TO SINK, SLOPE, REFERENCE WATER HEATER INSTALLATION DETAIL.
4. WATER SUPPLY LINE SERVING RESTROOM FIXTURES SHALL DRAIN DOWN WALL CHASE AND ROUTE ALONG WALL AT FINISH ELEVATION TO SERVICE FIXTURES.
5. 3/4" OD SUPPLY UP TO HOSE END ON ROOF.

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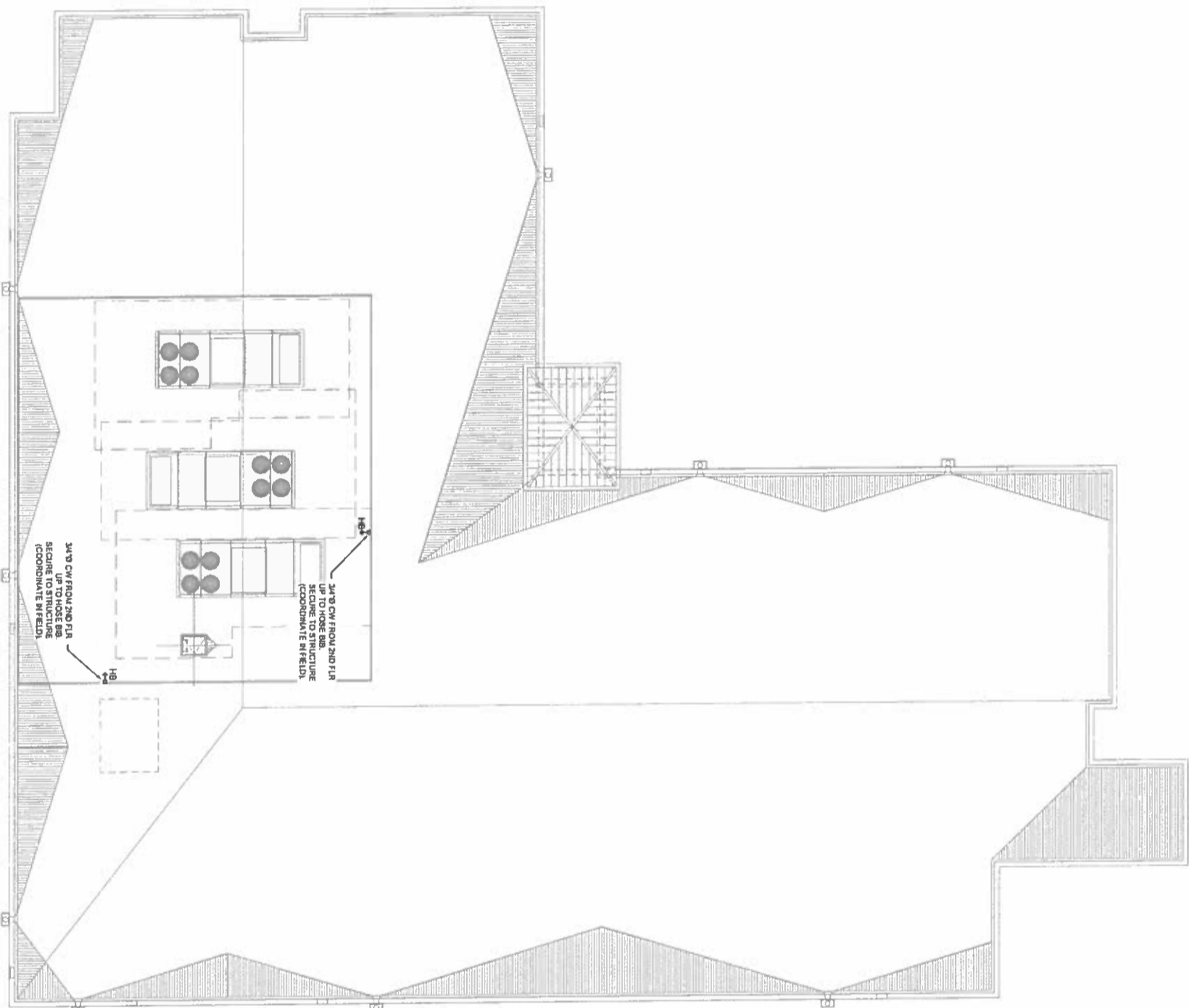
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DOMESTIC WATER ROOF PLAN

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

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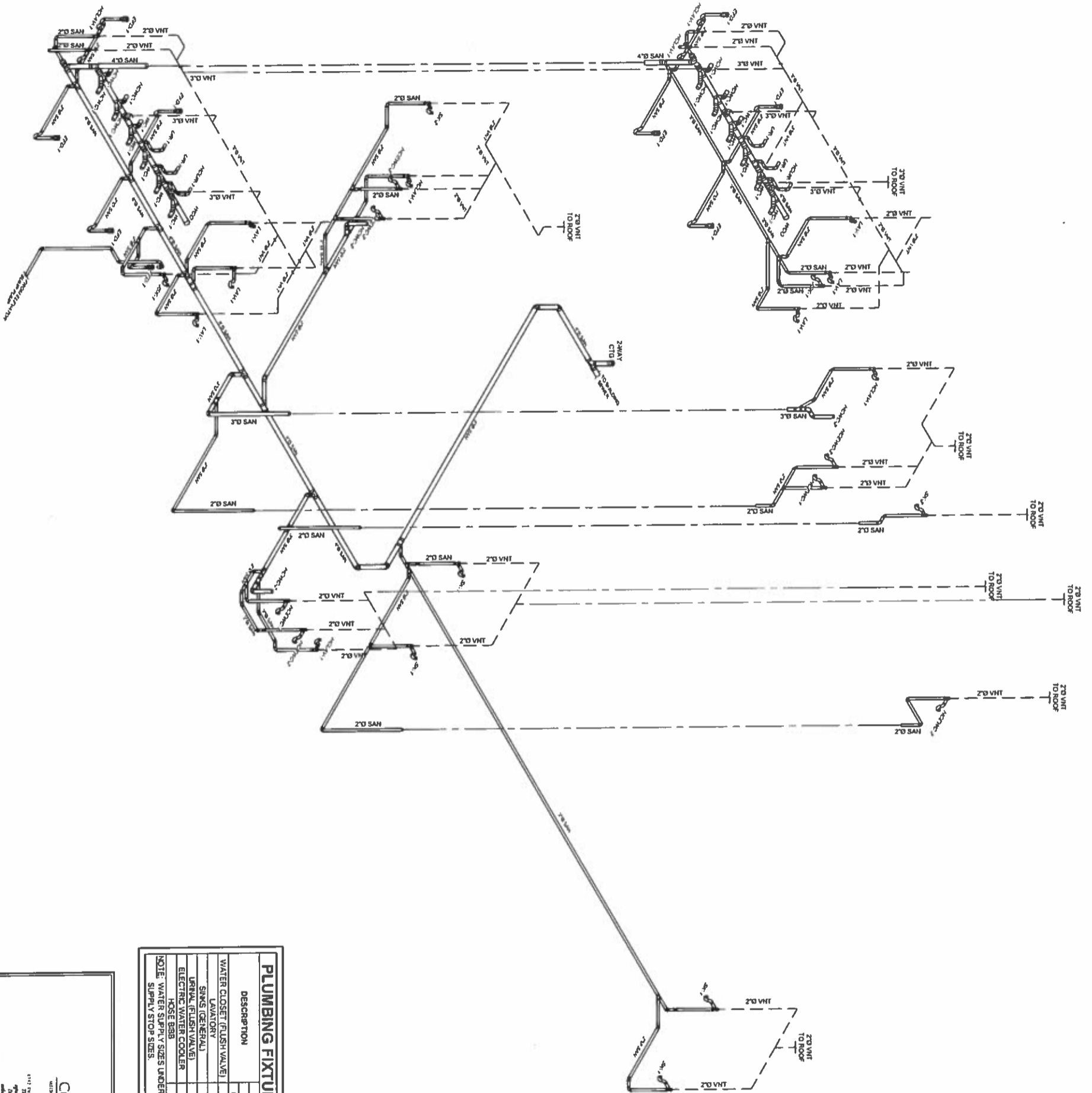
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PLUMBING FIXTURE CONNECTION SCHEDULE

DESCRIPTION	WATER SUPPLY		FIXTURE		TRAP	VENT
	COLD	HOT	COLD	HOT		
WATER CLOSET (FLUSH VALVE)	1"	1/2"	3/8"	3/8"	3"	2"
WATER CLOSET (FLUSH VALVE)	1/2"	1/2"	3/8"	3/8"	1 1/4"	2"
WATER CLOSET (FLUSH VALVE)	1/2"	1/2"	3/8"	3/8"	1 1/4"	2"
SINKS (GENERAL)	3/4"	1/2"	3/8"	3/8"	2"	2"
URINAL (FLUSH VALVE)	1/2"	1/2"	3/8"	3/8"	1 1/4"	2"
ELECTRIC WATER COOKER	3/4"	1/2"	3/8"	3/8"	1 1/4"	2"
HOSE BIBB	3/4"	1/2"	3/8"	3/8"	1 1/4"	2"

NOTE: WATER SUPPLY SIZES UNDER FIXTURE COLUMN ARE CONNECTION TO FIXTURE OR SUPPLY STOP SIZES.

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 Designer: RGD
 Checker: RGD

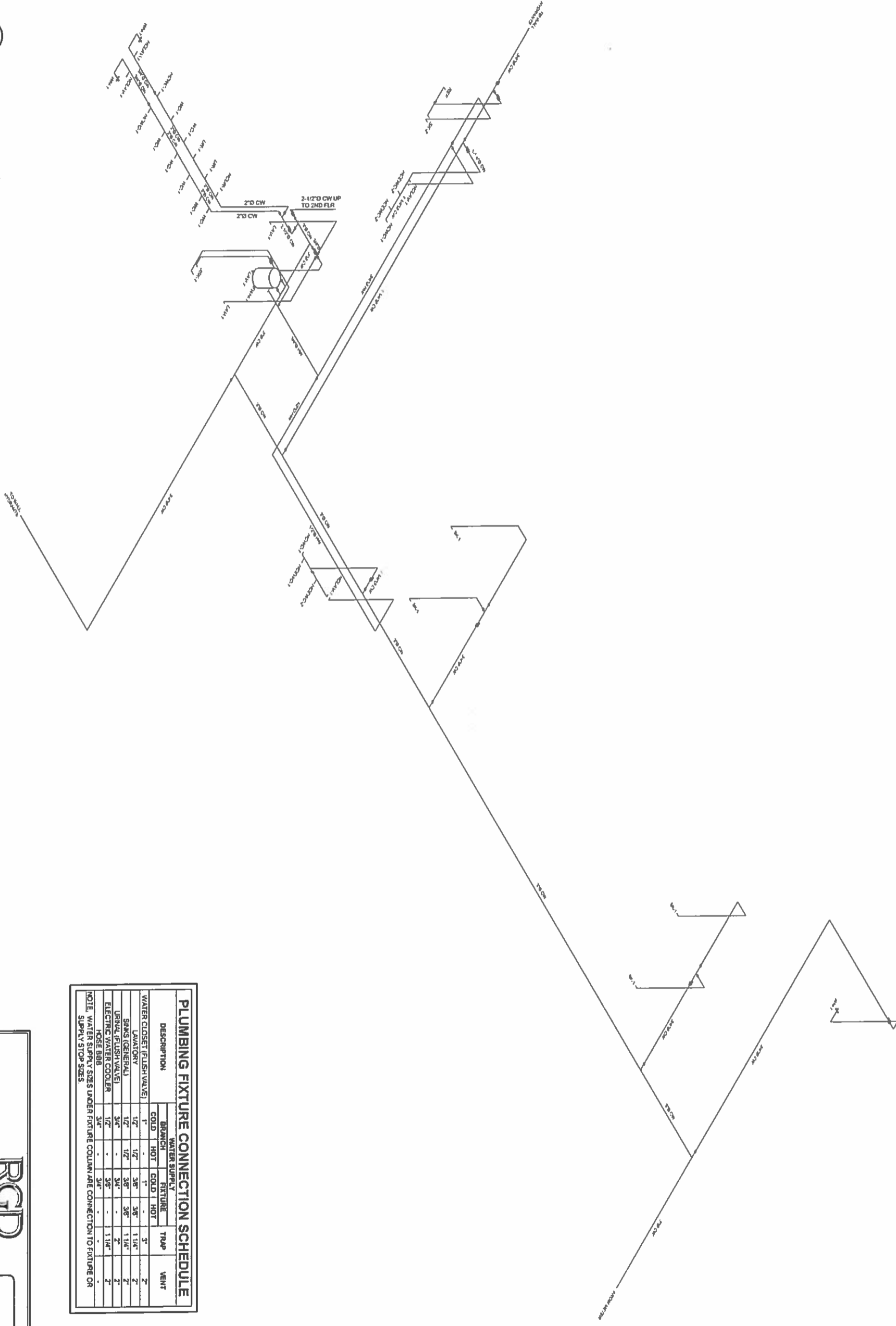
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DOMESTIC WATER ISOMETRIC PLAN - 1ST FLOOR



PLUMBING FIXTURE CONNECTION SCHEDULE

DESCRIPTION	WATER SUPPLY		FITTURE		TRAP	VENT
	COLD	HOT	COLD	HOT		
WATER CLOSET (FLUSH VALVE)	1"	-	1"	3/8"	3"	Z
LAVATORY	1/2"	3/8"	1/2"	3/8"	1 1/4"	Z
SINK (GENERAL)	1/2"	3/8"	1/2"	3/8"	1 1/4"	Z
URINAL (FLUSH VALVE)	3/4"	3/8"	3/4"	-	Z	Z
ELECTRIC WATER COOLER	1/2"	-	3/8"	-	1 1/4"	Z
HOSE BIBB	3/4"	-	3/4"	-	-	-

NOTE: WATER SUPPLY SIZES UNDER FIXTURE COLUMN ARE CONNECTION TO FIXTURE OR SUPPLY STOP SIZES.

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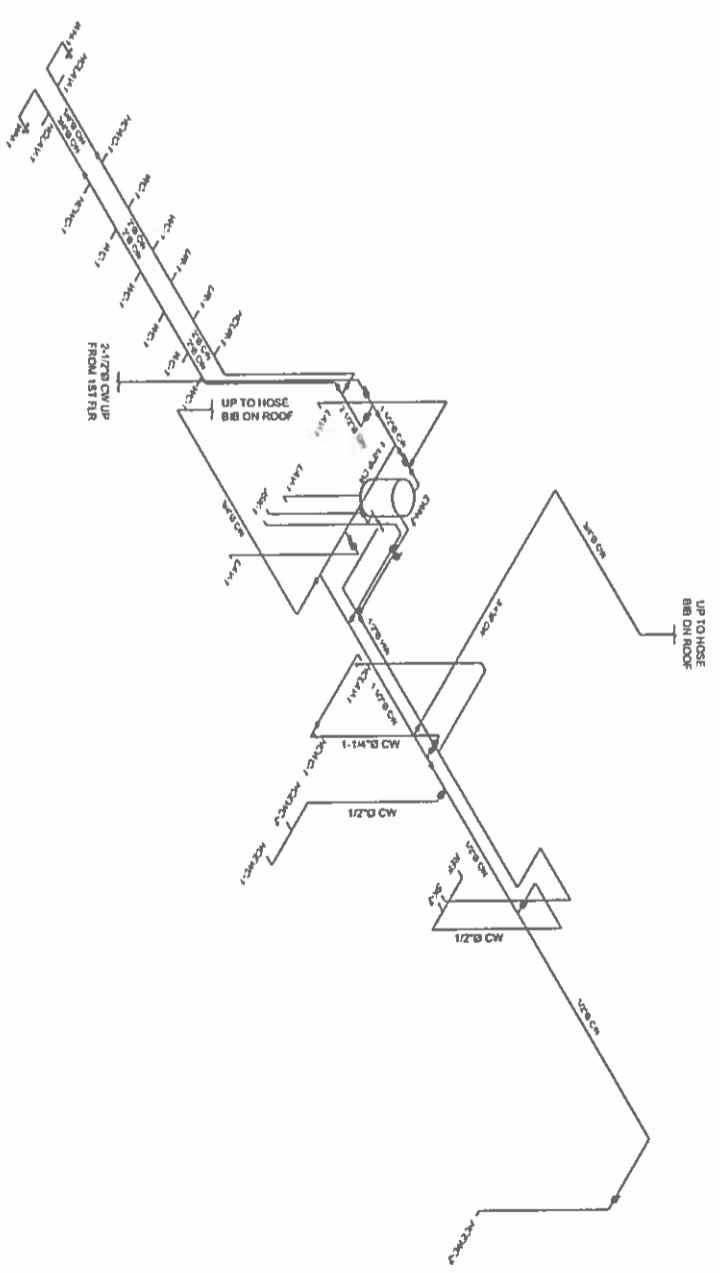
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1 DOMESTIC WATER ISOMETRIC PLAN - 2ND FLOOR

N.T.S.

PLUMBING FIXTURE CONNECTION SCHEDULE

DESCRIPTION	WATER SUPPLY				TRAP	VENT
	BRANCH	HOT	COLD	HOT		
WATER CLOSET (FLUSH VALVE)	1"	1"	1"	1"	3"	2"
LAVATORY	1/2"	1/2"	3/8"	3/8"	1 1/4"	2"
SINKS (GENERAL)	1/2"	1/2"	3/8"	3/8"	1 1/4"	2"
URINAL (FLUSH VALVE)	3/4"	-	-	-	2"	2"
ELECTRIC WATER COOLER	1/2"	-	-	-	1 1/4"	2"
CASE BIBS	3/4"	-	-	-	2"	2"

NOTE: WATER SUPPLY SIZES UNDER FIXTURE COLUMN ARE CONNECTION TO FIXTURE OR SUPPLY STOP SIZES.

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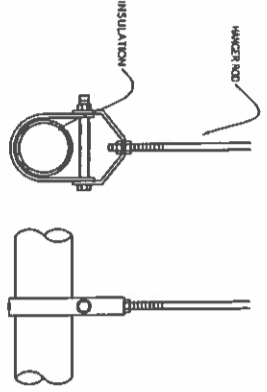
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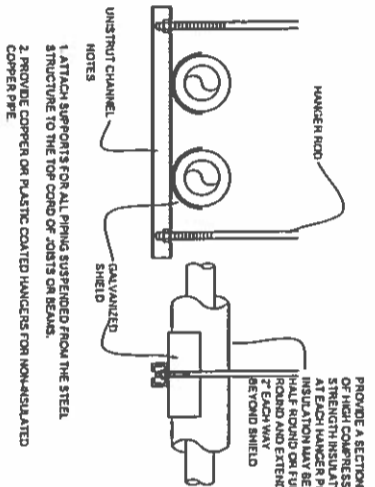
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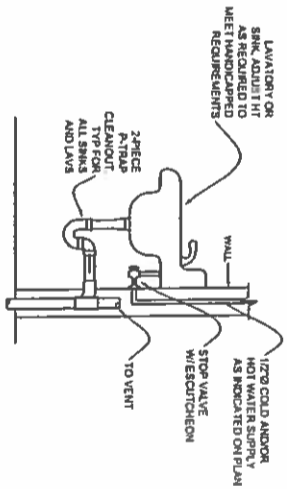
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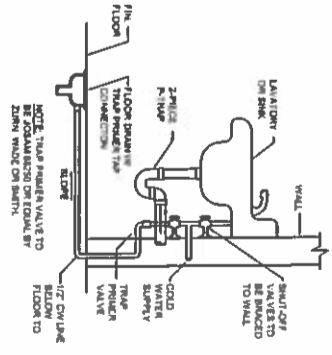
1 PIPE HANGER DETAIL
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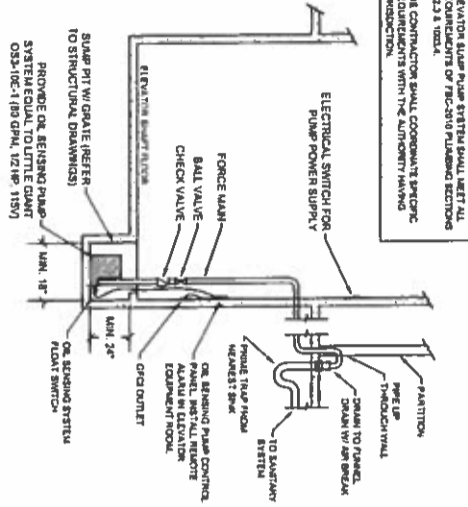
2 INSULATED MULTIPLE PIPE HANGER DETAIL
N.T.S.



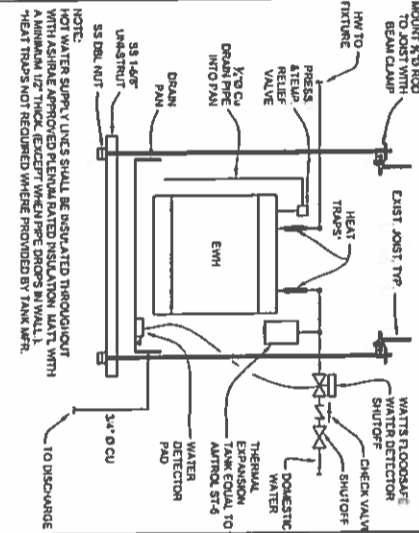
3 TYPICAL SINK/LAV INSTALLATION
N.T.S.



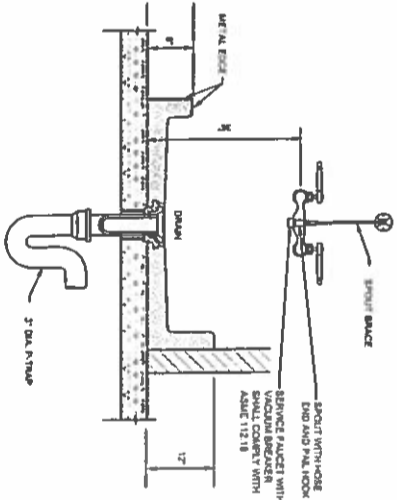
4 TRAP PRIME DETAIL
N.T.S.



5 ELEVATOR SUMP PUMP DETAIL
N.T.S.



6 EWH MOUNTING & PIPING DETAIL
N.T.S.



7 MOP SINK DETAIL
N.T.S.

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PLUMBING FIXTURE SCHEDULE

Table with columns: MARK, ITEM, MANUFACTURER, DESCRIPTION, ROOMING HEIGHT, MOUNTING, FAUCET/TAPVALVE, TRIM/ACCESSORIES, NOTES. Includes rows for WC1 (Water Closet), HWC1 (Hand Wash), HWC2 (Hand Wash), UR1 (Urinal), UR2 (Urinal), LAV1 (Lavatory), etc.

ELECTRIC WATER HEATER SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL, CAPACITY (GAL), INLET/OUTLET (IN), HEATER TYPE, ELECTRICAL PHASE, WEIGHT (LBS), DIMENSIONS (IN). Includes rows for EWH1, EWH2.

PLUMBING DRAIN SCHEDULE

Table with columns: MARK, ITEM, MANUFACTURER, MODEL, STREAMER HEAD (IN), NOTES. Includes rows for FFD1, FFD2.

DOMESTIC WATER DEMAND

Table showing water demand for 1st and 2nd floors. Columns: DESCRIPTION, 1ST FLOOR, 2ND FLOOR, TOTAL. Includes Drinking Fountain, Kitchen Sink, Service Sink, Water Closet, etc.

WATER SERVICE CALCULATION

Table for water service calculation. Columns: TOTAL SERVICE UNITS, TOTAL DEMAND FLOW, SERVICE PIPE SIZE, WATER VELOCITY, PE, etc.

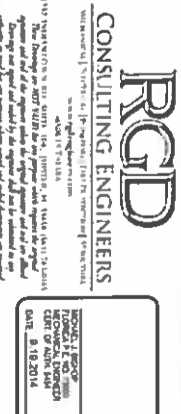
SANITARY DEMAND

Table showing sanitary demand for 1st and 2nd floors. Columns: DESCRIPTION, 1ST FLOOR, 2ND FLOOR, TOTAL DU, TOTAL DUU.

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GENERAL STRUCTURAL NOTES

JOIST BRIDGING NOTES:

JB1 BRIDGING STANDARD WITH THE MANUFACTURER AND COMPLYING WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS LOAD TABLES & WEIGHT TABLES OF THE LATEST ADOPTION SHALL BE USED FOR BRIDGING ALL JOIST TYPES. BRIDGING SHALL BE PROVIDED AT FIVE FOOT SPACES AND SHALL BE PROVIDED AT THE END OF EACH BRIDGING ROW AT BOTH TOP AND BOTTOM CHORDS.

JB2 FOR "K" AND "LH" SERIES JOISTS HORIZONTAL BRIDGING IS RECOMMENDED FOR SPANS UP TO AND INCLUDING 60 FEET EXCEPT WHERE THE STEEL JOIST INSTITUTE STANDARD SPEC LOAD TABLES & WEIGHT TABLES REQUIRE BOLTED DIAGONAL BRIDGING FOR ERECTION STABILITY.

JB3 "LH" AND "LH" SERIES JOISTS EXCEEDING 60 FEET IN LENGTH SHALL HAVE BOLTED DIAGONAL BRIDGING FOR ALL ROWS.

JB4 REFER TO §4 SECTION 6 IN THE "K" SERIES SPECIFICATIONS AND SECTION 105 IN THE "LH" AND "LH" SERIES SPECIFICATIONS FOR ERECTION STABILITY REQUIREMENTS.

JB5 REFER TO APPENDIX E FOR OSHA STEEL JOIST ERECTION STABILITY REQUIREMENTS.

JB6 HORIZONTAL BRIDGING SHALL CONSIST OF CONTINUOUS HORIZONTAL STEEL MEMBERS; THE 1/7 RATIO FOR HORIZONTAL BRIDGING SHALL NOT EXCEED 300.

JB7 DIAGONAL CROSS BRIDGING CONSISTING OF ANGLES OR OTHER SHAPES CONNECTED TO THE TOP AND BOTTOM CHORDS, OF "K", "LH", AND "LH" SERIES JOISTS SHALL BE USED WHEN REQUIRED BY THE APPLICABLE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS LOAD TABLES AND WEIGHT TABLES OF LATEST ADOPTION.

JB8 DIAGONAL BRIDGING, WHEN USED, SHALL HAVE AN 1/7 RATIO < 200. WHEN BOLTED DIAGONAL ERECTION BRIDGING IS REQUIRED, THE FOLLOWING SHALL APPLY:

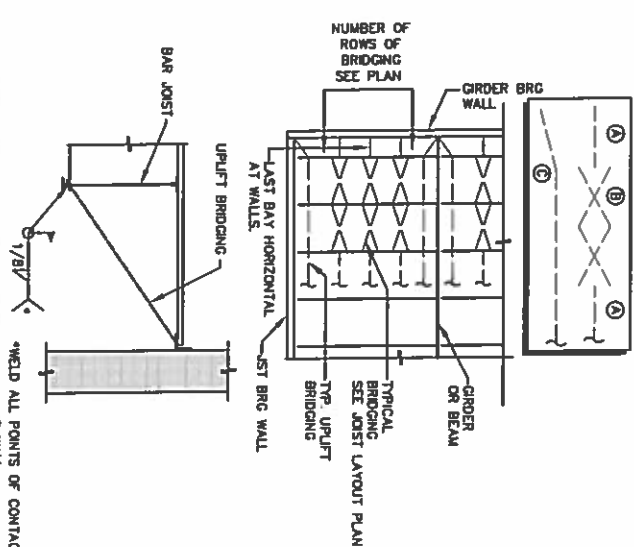
- A. THE BRIDGING SHALL BE INDICATED ON THE JOIST LAYOUT PLAN.
- B. THE JOIST LAYOUT PLAN SHALL BE THE EXCLUSIVE INDICATOR FOR THE PROPER PLACEMENT OF THIS BRIDGING.
- C. SHOP INSTALLED BRIDGING CLIPS, OR FUNCTIONAL EQUIVALENT SHALL BE PROVIDED WHERE THE BRIDGING BOLTS TO THE STEEL JOISTS.
- D. WELD JOISTS: SECTIONS OF BRIDGING ARE ATTACHED TO THE STEEL JOIST BY A COMMON BOLT. THE WELD THAT SECURES THE FIRST PIECE OF BRIDGING SHALL NOT BE REMOVED FROM THE JOIST FOR THE ATTACHMENT OF THE SECOND PIECE.
- E. BRIDGING ATTACHMENTS SHALL NOT PROTRUDE ABOVE THE TOP CHORD OF THE STEEL JOISTS.

JB10 PROVIDE UPLIFT BRIDGING AT FIRST BOTTOM CHORD PANEL POINT. EACH END POINT REFER TO THIS SHEET FOR UPLIFT BRIDGING CONNECTION DETAILS.

JB11 DO NOT WELD BRIDGING TO JOIST WEB MEMBERS, DO NOT HANG ANY MECHANICAL, ELECTRICAL, PLUMBING, ETC FROM BRIDGING.

JB12 BRIDGING LEGEND FOR PLAN BELOW:

- Ⓐ HORIZONTAL BRIDGING ATTACHED TO TOP AND BOTTOM CHORD
- Ⓑ BOLTED OR WELDED CROSS BRIDGING AS SHOWN
- Ⓒ SINGLE LINE HORIZONTAL UPLIFT BRIDGING



A BRIDGING DETAILS AND PLAN
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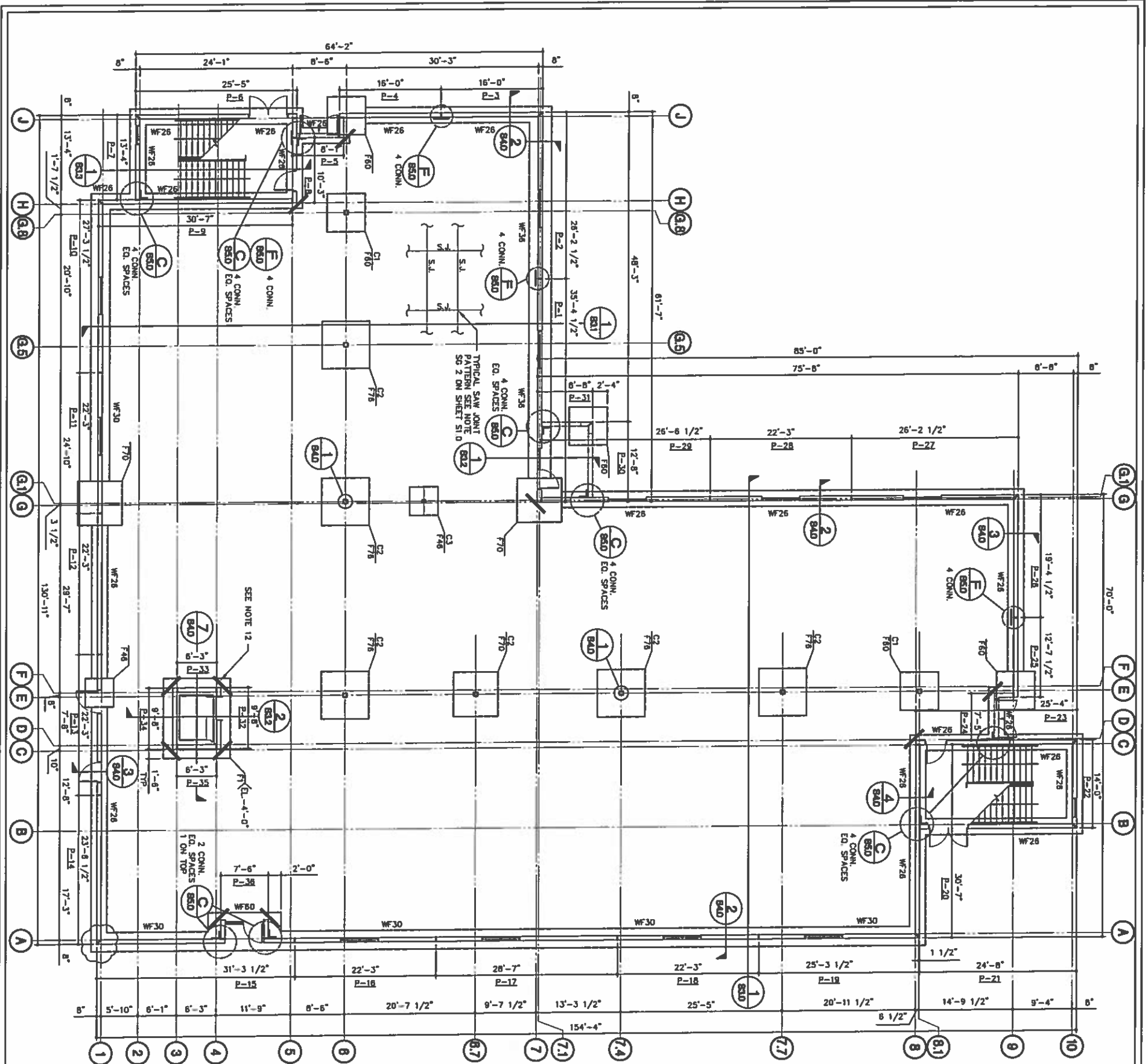
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NEW CLASSROOM BUILDING
RIVIERA BEACH, FLORIDA
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S11



FOUNDATION SCHEDULE

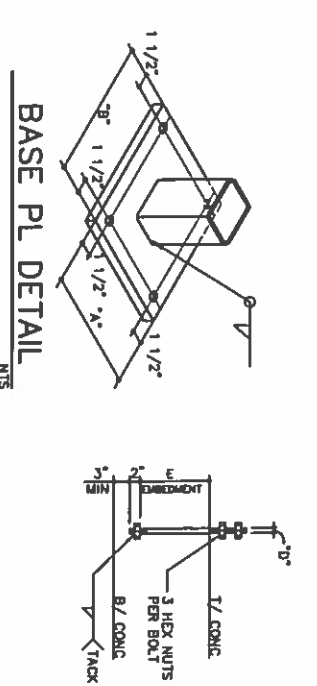
MARK	SIZE & # OF	LENGTH	THICKNESS	REINFORCEMENT
WF8	7'-8 1/2" x 7'-8 1/2" x 11'-6"	(10) #8 BOTT	(10) #8 BOTT	PAO FTG.
F70	7'-0" x 7'-0" x 11'-6"	(8) #8 BOTT	(8) #8 BOTT	PAO FTG.
F80	8'-0" x 8'-0" x 11'-6"	(8) #8 BOTT	(8) #8 BOTT	PAO FTG.
F48	4'-8 1/2" x 4'-8 1/2" x 11'-6"	(8) #8 BOTT	(8) #8 BOTT	PAO FTG.
F1	12'-8 1/2" x 10'-7 1/2" x 6"	(12) #8 BOTT	(14) #8 BOTT	PAO FTG.
WF60	CONC. 8'-0" x 11'-0"	(8) #8 BOTT	(8) #8 BOTT	WALL FTG.
WF28	CONC. 3'-5" x 11'-0"	(4) #8 BOTT	(5) #1/4" BOTT	WALL FTG.
WF30	CONC. 2'-3" x 0'-11'-0"	(4) #8 BOTT	(8) #1/4" BOTT	WALL FTG.
WF28	CONC. 2'-2" x 5'-11'-0"	(3) #8 BOTT	(5) #8 BOTT	WALL FTG.

COLUMN / BASE PLATE SCHEDULE

COLUMN MARK	COLUMN SIZE	BASE PLATE				ANCHOR BOLT	CAP PLATE	REMARKS
		A	B	T	D			
C1	HSS 8x8x3/8"	14"	14"	1"	10"	3/4"		
C2	HSS 8x8x3/8"	14"	14"	1"	13"	3/4"		
C3	HSS 8x8x3/8"	12"	12"	3/4"	10"	3/4"		
C3	HSS 8x8x3/8"	12"	12"	3/4"	10"	3/4"		

NOTE: ANCHOR BOLTS SHALL BE ASTM A36 (UNF) REBARDED EACH END WITH NUT PLATE WASHER AT BOTTOM NUT SHALL NOT BE REQUIRED. CONFORM TO CHART FOR ANCHOR BOLTS UNLESS NOTED OTHERWISE IN SCHEDULE ABOVE.

ROD TYPE	MINIMUM EMBEDDED LENGTH	MINIMUM EMBEDDED DISTANCE
A307, A36	12d	5d > 4 in.
A325, A449	17d	7d > 4 in.



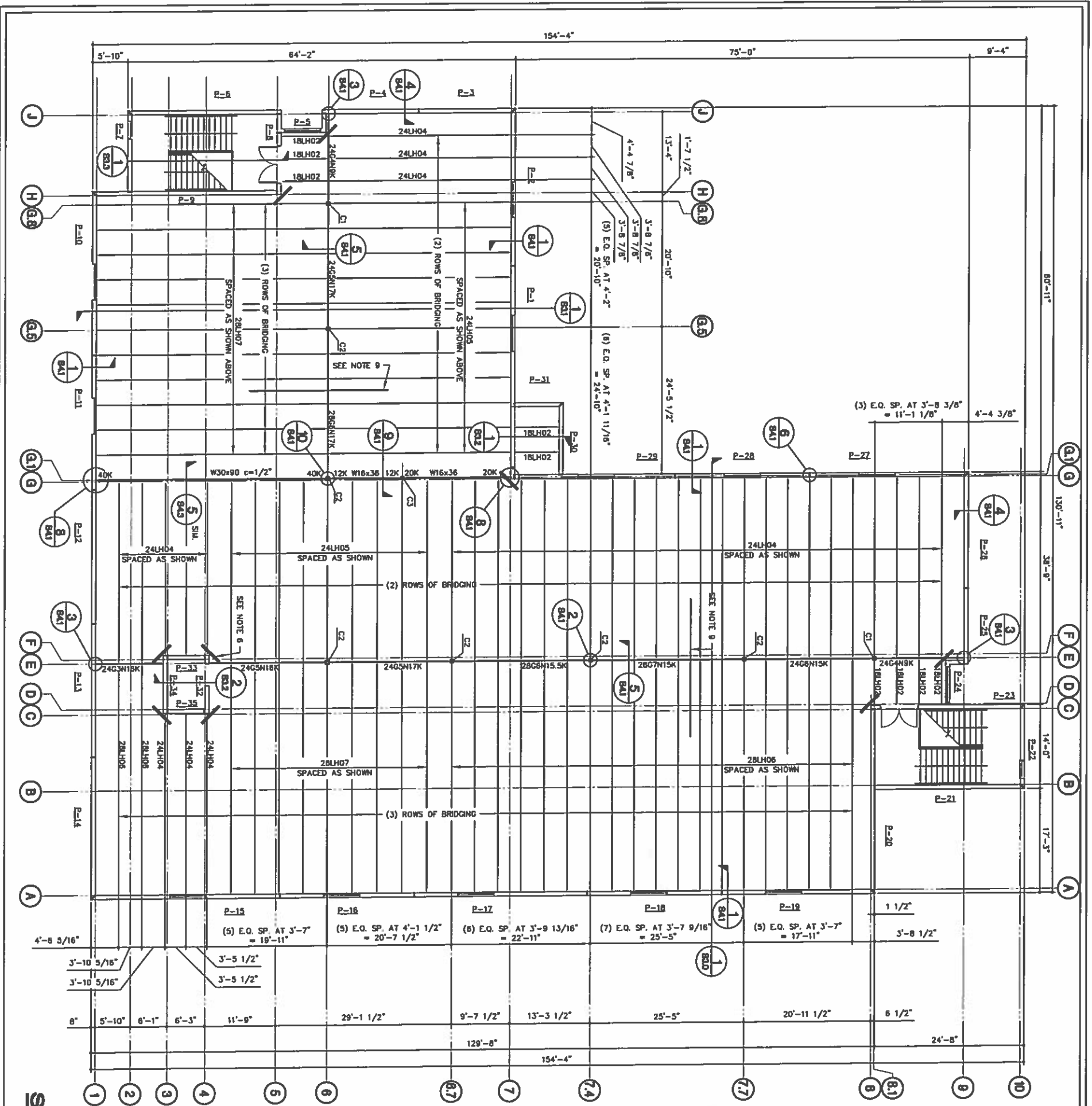
- #### FOUNDATION PLAN NOTES:
- FLOOR SLAB SHALL BE 5" THICK CONCRETE REINFR W/8x8 W/2x2 W/2 OVER 15 MIL VAPOR BARRIER ON COMPACTED TREATED SUBGRADE. (SEE SLAB ON GRADE DETAILS FOR PLACEMENT OF REINFORCEMENT)
 - 1/2" SLAB EL. = +0'-0" UNO (REFERENCE ONLY) SEE CIVIL FOR ACTUAL ELEVATION
 - 1/2" WALL FTG. EL. = -1'-3" TYP. UNO.
 - 1/2" STL. COL. FTG. = -2'-0" TYP. UNO.
 - ALL TILT UP PANELS ALLOW FOR 3/4" DEEP RECESS. (i.e. THICKNESS-STRUCTURAL THICKNESS + 3/4") UNO. (SEE PANEL REINFORCEMENT SHEETS FOR INDIVIDUAL PANEL THICKNESS)
 - ALL TILT-UP PANELS ARE VIEWED FROM THE INSIDE
 - STEP FTG. WHERE SHOWN AND AS REQUIRED TO AVOID INTERFERENCE W/ OTHER TRADES. SEE STEPPED FOOTING SECTION C/S&D
 - ALL FTGS ARE CENTERED BENEATH BRG WALLS AND COLS. TYP. UNO.
 - SEE SHT S.S.O FOR PANEL, REINF., EMBEDDED ITEMS AND JOINT DETAILS.
 - SEE SHT S.I.O FOR GENERAL NOTES.
 - SIDEWALK SLAB = 4" CONCRETE SLAB ON COMPACTED FILL REINFORCED WITH 8x8 W/4x4 W/2 W/2. TYP. (2) #4x4'-0" LONG @ 3' O.C. PLACED 3" CLEAR FROM CORNER CENTERED IN SLAB. TYP. AT RE-ENTRANT CORNERS.

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

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FOUNDATION PLAN

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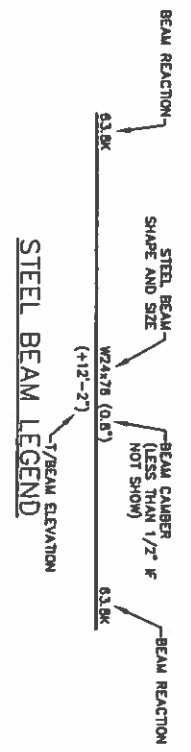


SECOND FLOOR PLAN

- FLOOR FINISHING NOTES:**
1. FLOOR SYSTEM SHALL BE 1.0 C. 24GA GALV. CONFORM DECK WITH 3" CONCRETE TOPPING (4" TOTAL THICKNESS) CONTINUOUS OVER (3) OR MORE SPANS. CONCRETE TOPPING SHALL HAVE A MINIMUM OF 3500 PSI COMPRESSIVE STRENGTH.
 2. FLOOR SLAB MIX SHALL HAVE 100% VIRGIN POLYPROPYLENE FIBERS AT 1lb. PER CUBIC YARD. FIBERS SHALL BE MANUFACTURED BY FIBER SHED OR W.R. GRACE. (2ND FLOOR ONLY)
 3. FLOOR SLAB SHALL BE REINFORCED WITH 4# W2 BARS @ 2' O.C. WITH 1/2" STEEL JOISTS @ 13'-8"
 4. ATTACH DECK TO ALL SUPPORTS USING WASHER USING SD3 3/4 WELD PATTERN AND (2) #10 SDR LWP SCREW.
 5. ALL STEEL STAIRS TO BE DESIGNED FOR 100 PSF LIVE LOAD. ALL LANDINGS MUST BE REINFORCED WITH 4" CONCRETE & SEE 4/54.1 DEPTH. TYPICAL AT OTHER LOCATIONS.
 6. #4 @ 22'-0" AT 18" O.C. CHARGED AT SLAB MID DEPTH. TYPICAL AT OTHER LOCATIONS.
 7. QUARTER POINTS, SEE SIMILAR 5/54.3.
 8. (2) #4 @ 4'-0" LONG @ 3' O.C. PLACED 2" CLEAR FROM CORNER CENTERED IN SLAB. TYP. AT RE-ENTRANT CORNERS.
 9. ALL STEEL BEAMS TO BE BRACED AT 18" O.C. CHARGED AT SLAB MID DEPTH. TYPICAL AT OTHER LOCATIONS.
 10. QUARTER POINTS, SEE SIMILAR 5/54.3.

FLOOR DESIGN LOADS

LIVE LOAD	40 PSF
CLASS ROOM	20 PSF
PARTITIONS	100 PSF
ELEVATOR/CORRIDOR	100 PSF
DEAD LOAD	45 PSF
SYSTEM WEIGHT	10 PSF
MECH & MISC.	



THE SECOND FLOOR PLAN

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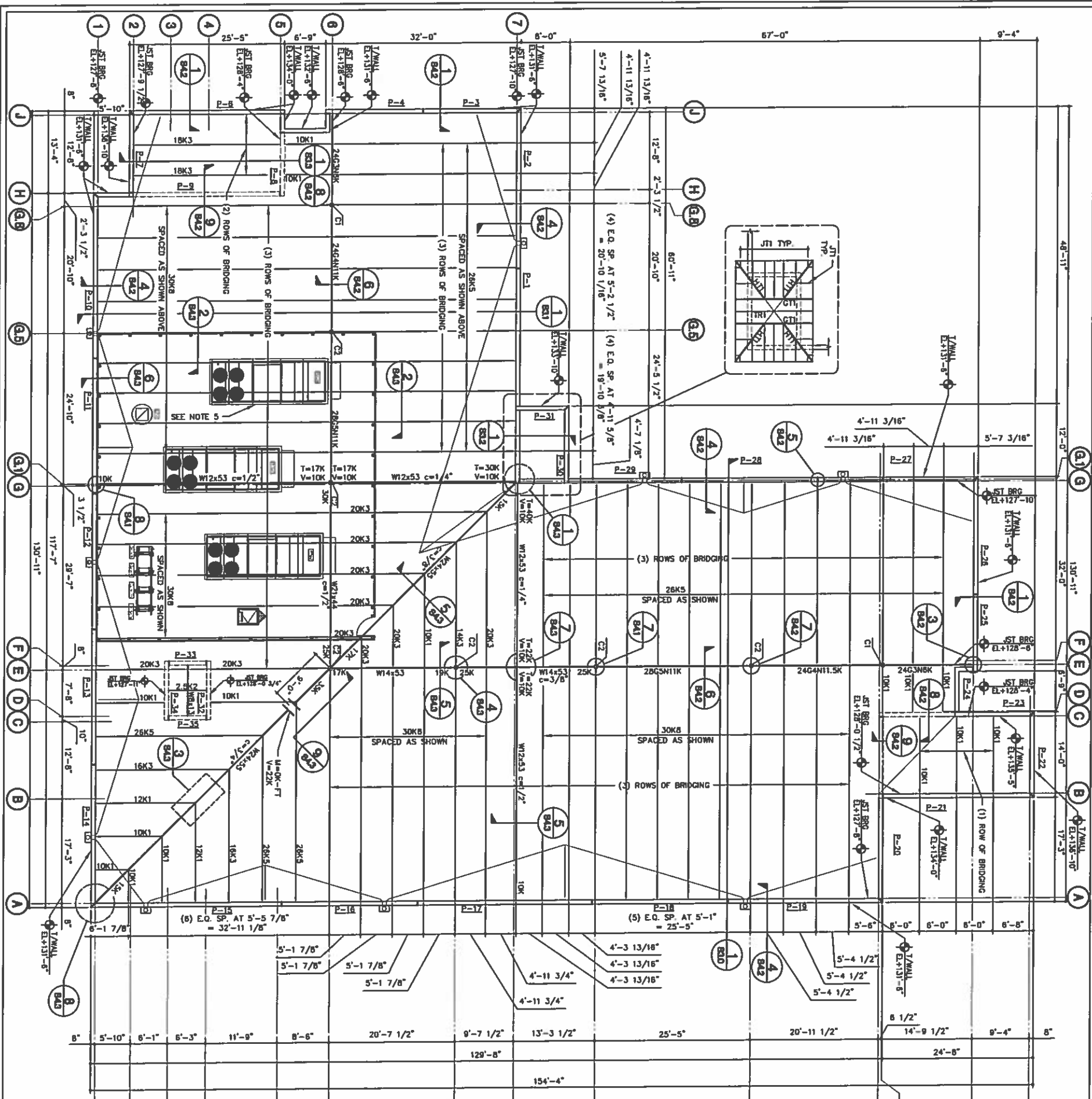
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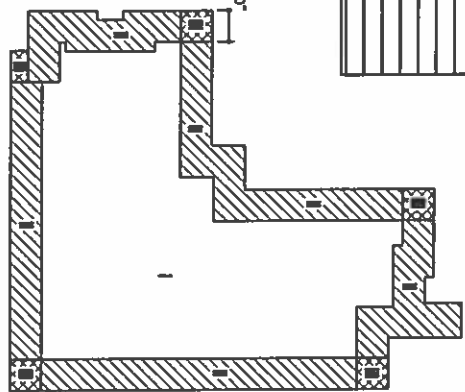
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TRUSS SCHEDULE		
UNIT	WEIGHT (LBS)	HEIGHT - SPAN
RTU-1	6520	101
RTU-2	6520	101
OW-1	6520	101
CU-1-16	28	35.8
CU-2-17	48	38.6
CU-1-17A	22	35.8
CU-1-17B	40	38.4
FT-1	138	38



ROOF DESIGN LOADS		
TOP CHORD	TOP CHORD	BOTTOM CHORD
LINE LOAD	DEAD LOAD	DEAD LOAD
30 PSF	25 PSF	5 PSF

ROOF UPLIFT PLAN		
ZONE	JOISTS & GIRDERS	ROOFING
1	-34.9 PSF	-48.1 PSF
2	-43.2 PSF	-82.3 PSF
3	-43.2 PSF	-123.9 PSF

*NET UPLIFT BASED ON 18 PSF DL ALL LOADS SERVICE.

ROOF TRUSS CONNECTION SCHEDULE					
MEMBER CONNECTION	PARTICULARS	RELATION	NET UPLIFT (UNBALANCED) (H) (PROVIDED) (L)	UPLIFT	UPLIFT
TR1 HTS1 20	(4) 1/4"x2 1/4" HTS1 SCREWS, (6) #10 TEXS	633	-655	-740	-1175
JT1 HTS1 20	(4) 1/4"x2 1/4" HTS1 SCREWS, (6) #10 TEXS	463	-740	-1175	-1175
HT1 LGT2	(7) 1/4"x2 1/4" HTS1 SCREWS, (16) #10 TEXS	978	-1000	-2150	-2150
GT1 (2) HTS1 20 (6) 1/4"x2 1/4" HTS1 SCREWS, (14) #10 TEXS		1350	-1300	-1340	-1340

*ALL LOADS SERVICE

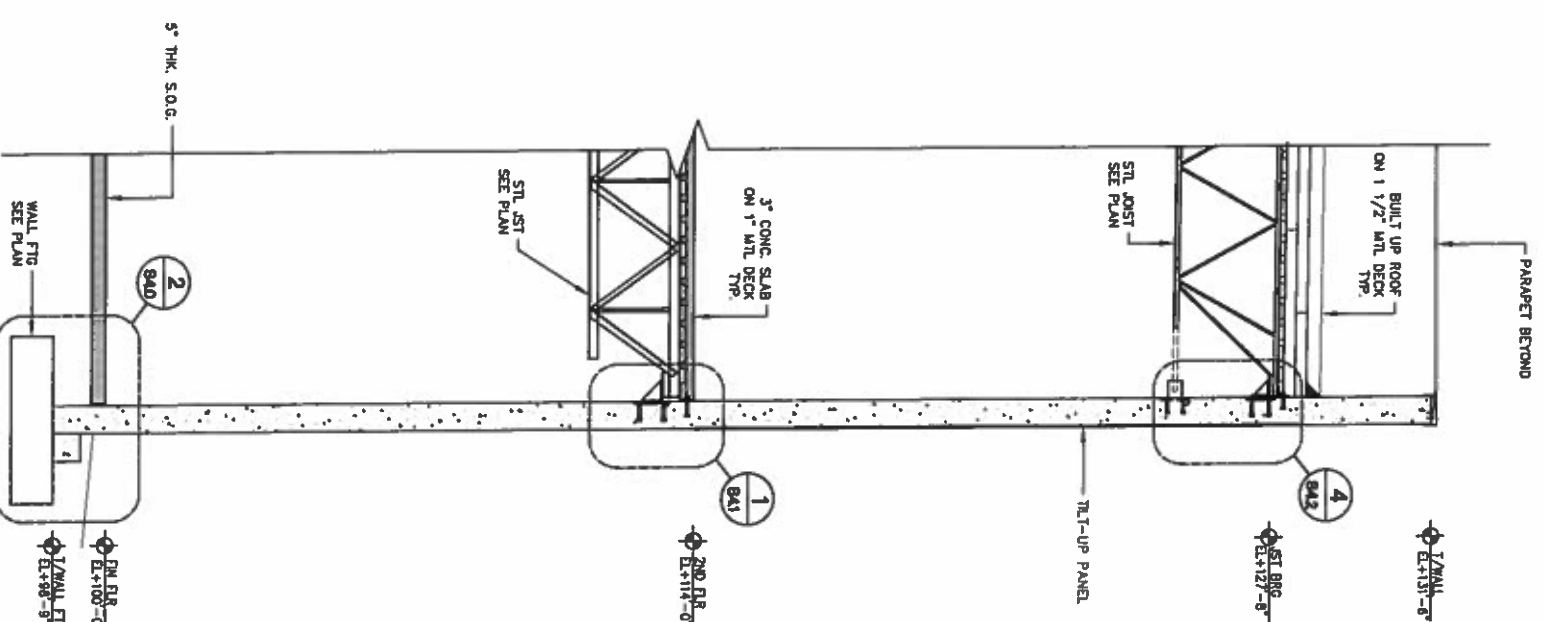
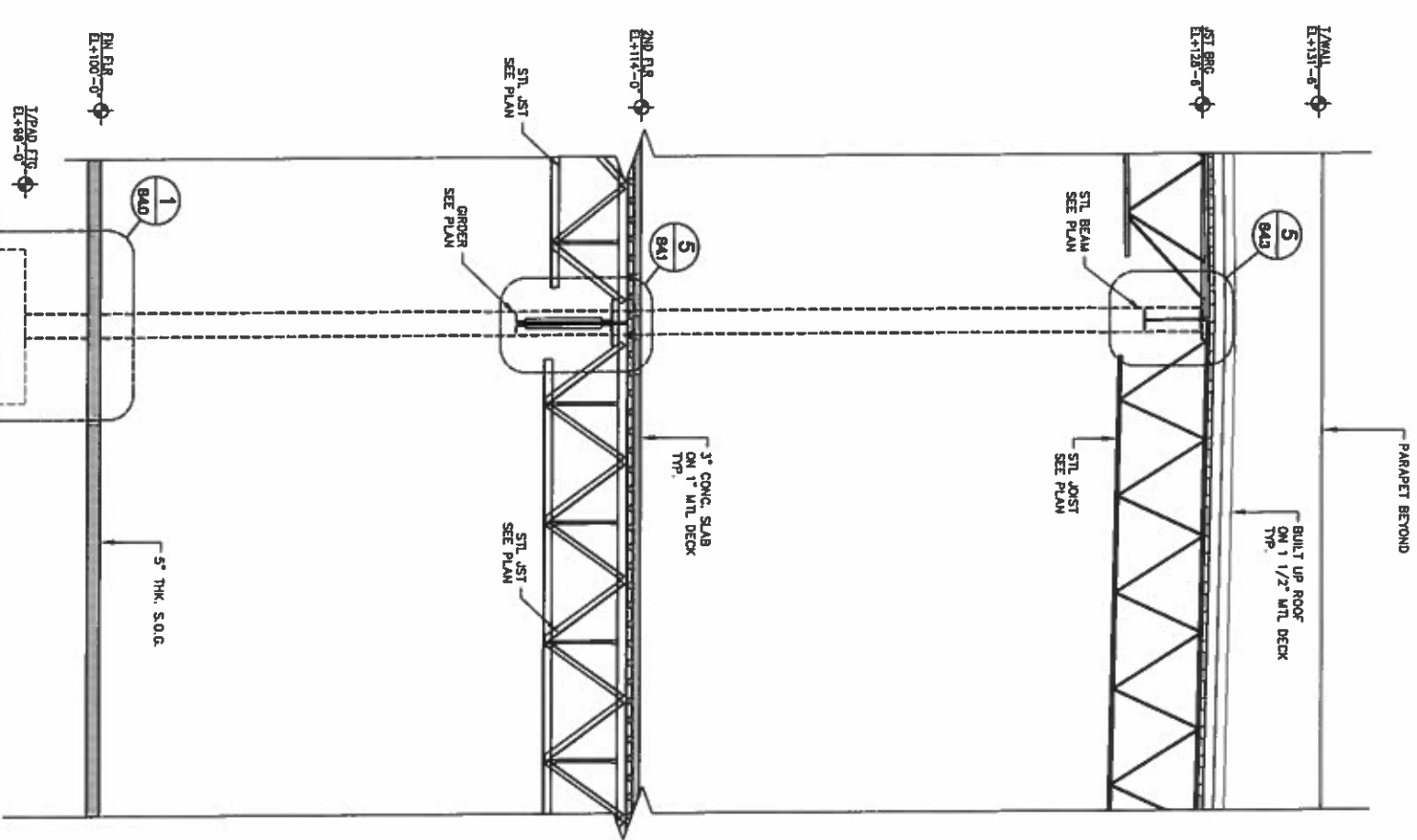
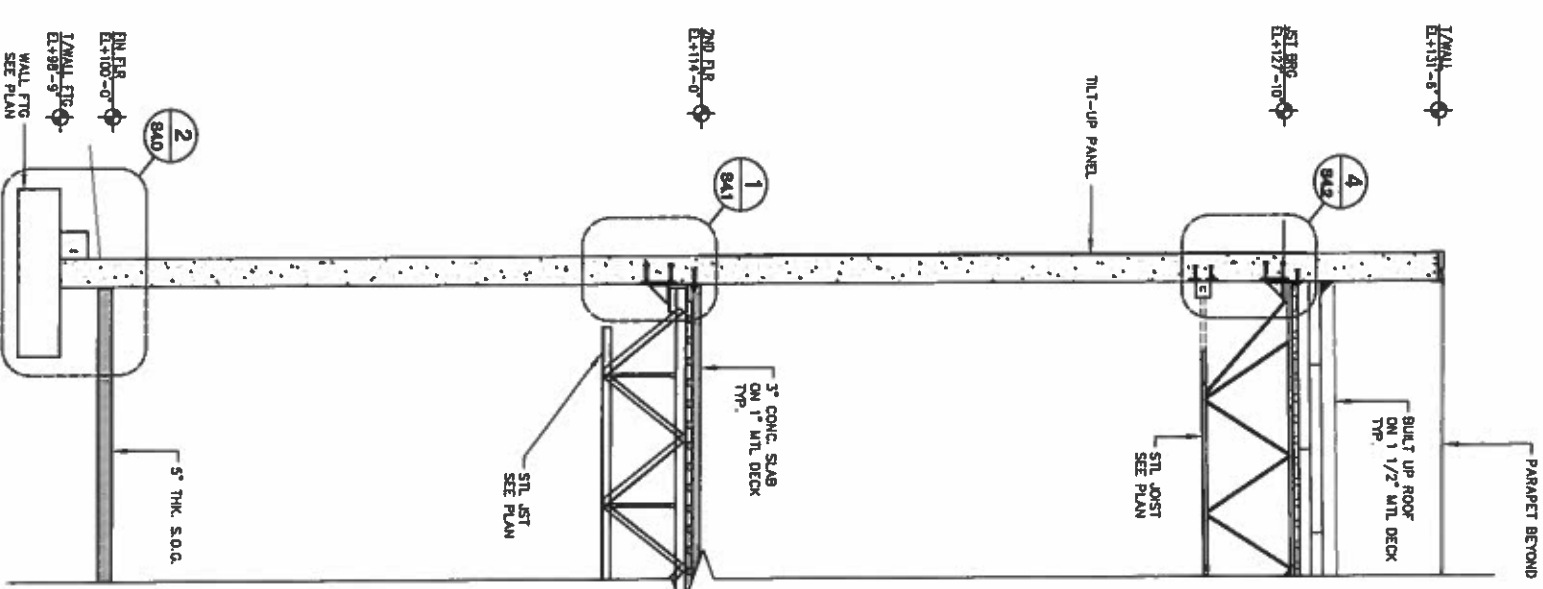
HEAVY ROOF FRAMING NOTES:

- ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY TRUSS MANUFACTURER'S REGISTERED ENGINEER. ALL HANGERS AND ANCHORS SHALL BE SPECIFIED BY A REGISTERED ENGINEER.
 - TRUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS AND SUBMIT SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.
 - SEE PLAN AND SCHEDULE FOR TRUSS HURRICANE CONNECTORS.
 - METAL TRUSS SPACING SHALL BE AT 24" O.C. (U.N.O.) HAND FRAMING SHALL BE AT 16" O.C. (U.N.O.).
 - PROVIDE PERMANENT BOTTOM CHORD BRACING AS PER TRUSS MFR. REQUIREMENTS.
 - ROOF SHEATHING TO BE 1/2" 2296 METAL DECK ON PRE-ENGINEERED METAL ROOF TRUSSES. ATTACH METAL DECK TO TRUSSES WITH #12-14x1 1/4" TEX SCREWS AT 8" O.C. WITH (1) #12 TEX SHELDER FASTENER BETWEEN EX. TRUSS AT THE SHELDAR, TOP THROUGHOUT.
 - PROVIDE 5/8" DECK BOARD ON TOP OF THE METAL DECK. ATTACH BOARD W/ #12-24x2.25" PH TEX SCREWS @ 16" O.C. AT PANEL EDGES AND @ 24" O.C. AT ALL INTERIOR SUPPORTS. ATTACH PLWOOD DIRECTLY TO TRUSS TOP CHORD THROUGH METAL DECKING.
- ROOF FRAMING NOTES:**
- ROOF ASSEMBLY TO BE BUILT-UP ROOF WITH INSULATION OVER 1.5" TYPE 30' GALV. GALV. METAL ROOF DECK CONTINUOUS OVER 3' OR MORE SPANS. ROOF DECK TO BE 22 GA. ATTACH DECK TO JOISTS W/ 5/8" PHUDE WELDS AT 50' 56/7' WELD PATTERN. USE (7) #10 TEX SHELDER FASTENERS PROVIDE 5/8" PHUDE WELDS @ 6" O.C. AROUND PERIMETER.
 - TOP OF ELEVATOR PANELS IS TOP OF JOIST ALL AROUND. SEE 8 AND 9/54.2.
 - TOP OF PARAPET EL. VARIES SEE PLAN.
 - SEE STRUCTURAL NOTE SHEET FOR BRACING REQUIREMENTS FOR JOIST & JOIST GIRDERS.
 - JOIST MANUFACTURER TO DESIGN ALL JOISTS AND GIRDERS FOR ALL ROOF TOP A/C UNITS. REFER TO MECHANICAL HVAC PLAN FOR LOCATION AND WEIGHTS OF EACH LOAD AND LOCATIONS PROVIDED HERE ARE A GUIDE AND SHOULD BE VERIFIED WITH MOST RECENT MECHANICAL PLANS.
 - SEE PLAN FOR JOIST BEARING ELEVATIONS.
 - 'B1' INDICATES BOLTED THE JOIST PER OSHA REQUIREMENTS.
 - DENOTES ADDITIONAL CONCENTRATED LOAD AT GIRDER PANEL POINT.
 - SEE A/S11 FOR UPLIFT BRIDGING DETAILS. SEE ROOF UPLIFT PLAN THIS SHEET FOR WIND UPLIFT LOADS
 - BRACE STEEL BEYOND BOTTOM FLANGE AT BEAM QUARTER POINTS. SEE SIMILAR 5/54.3.

ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

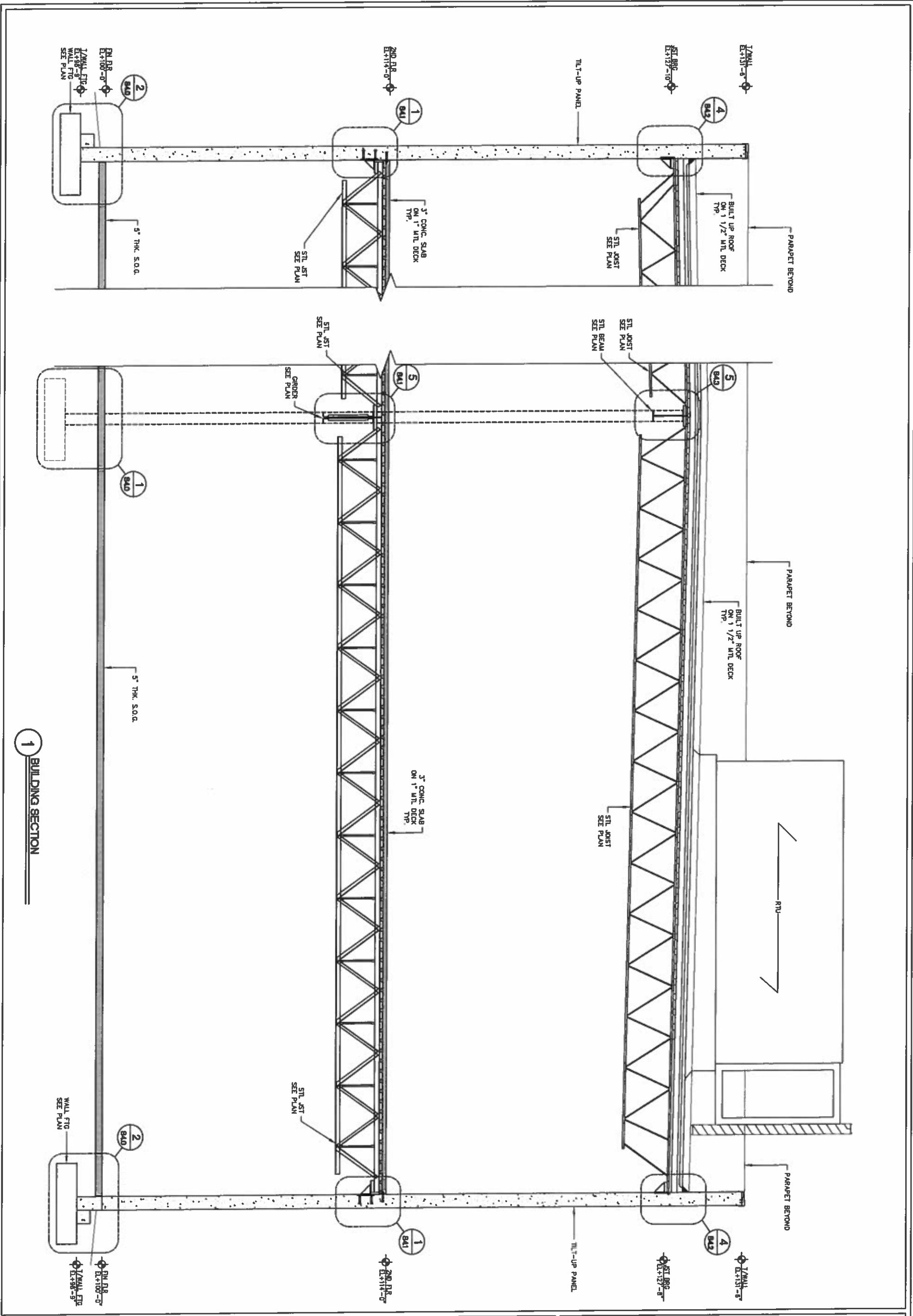
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S2.2



1 BUILDING SECTION

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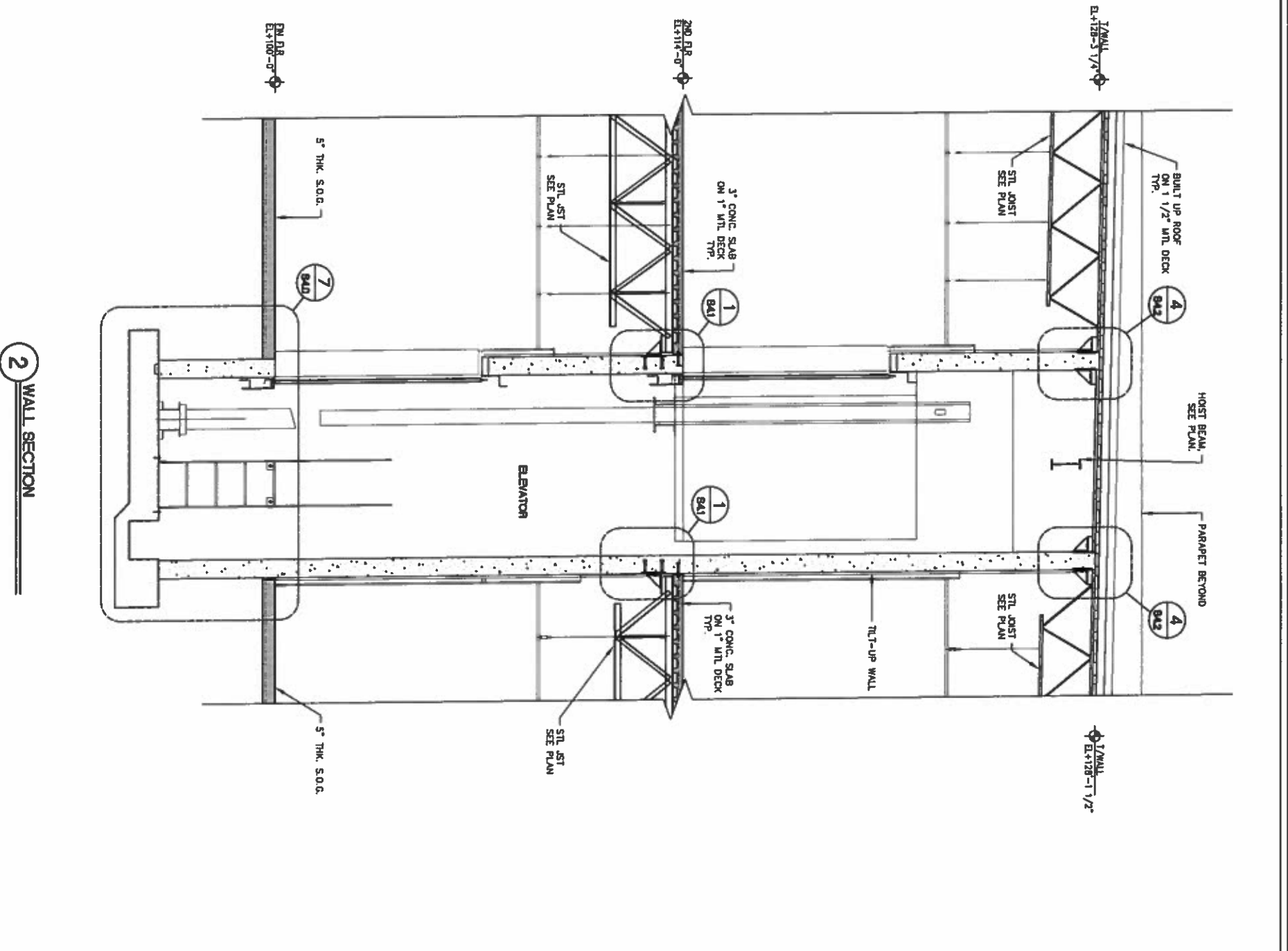
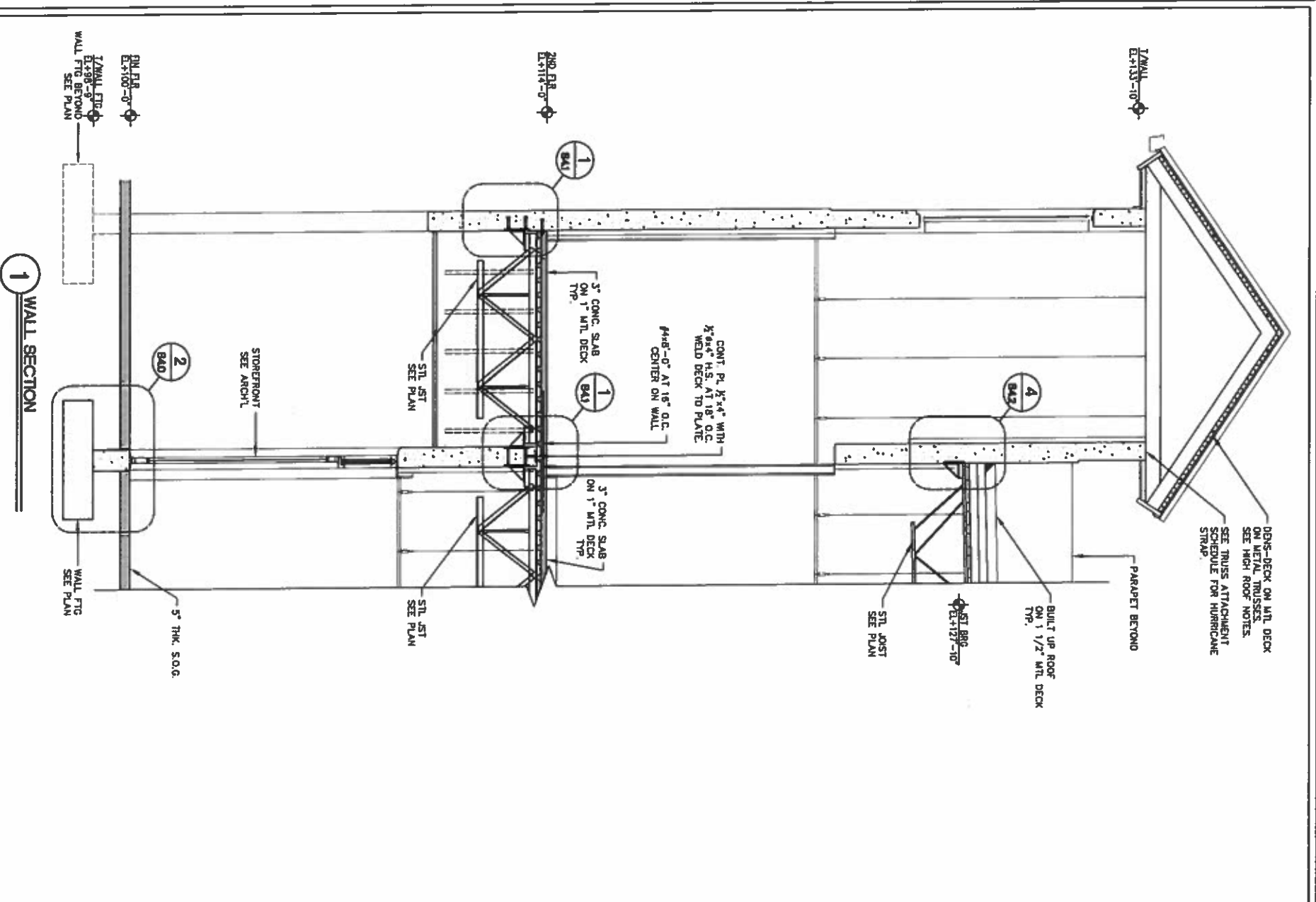
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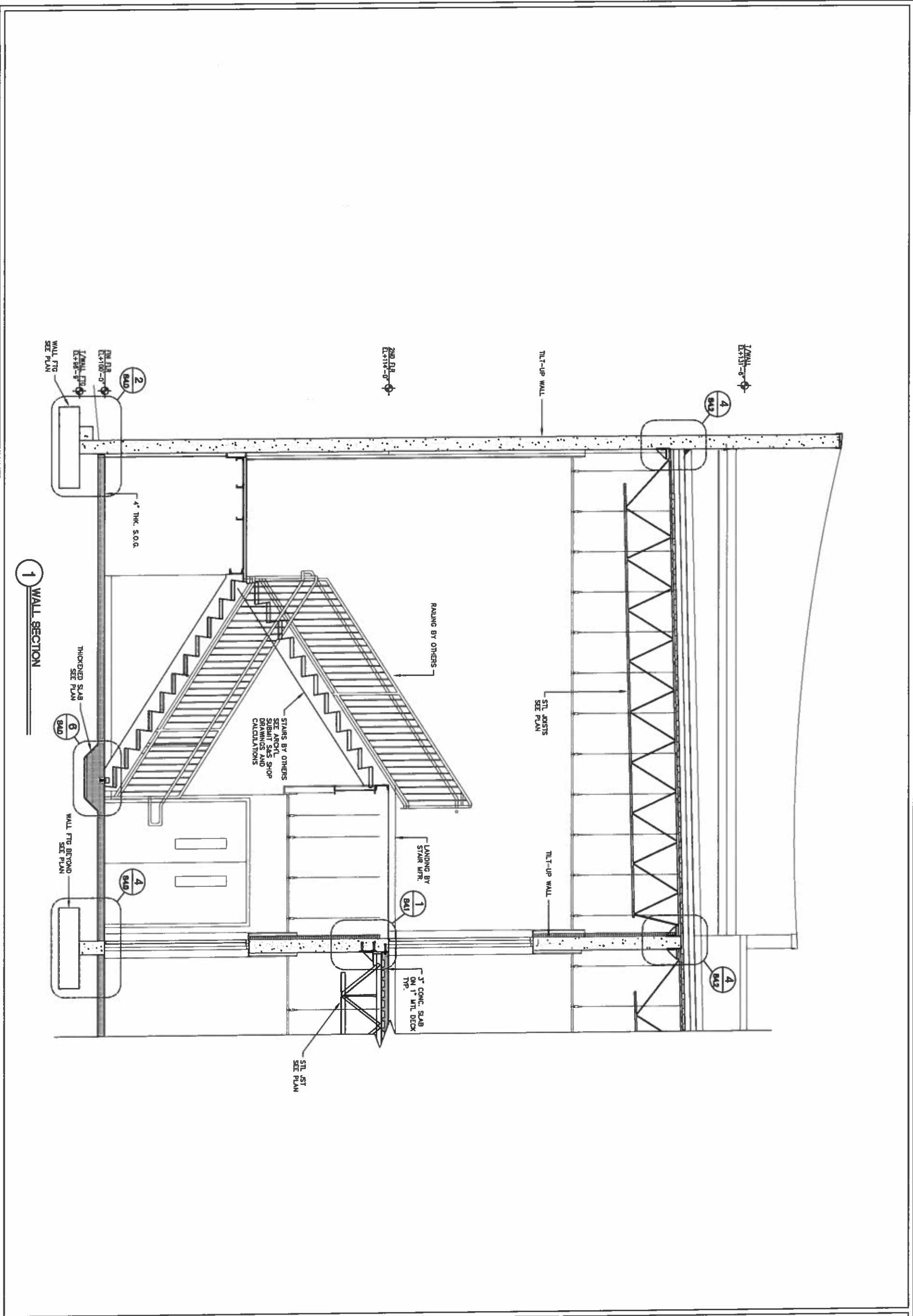
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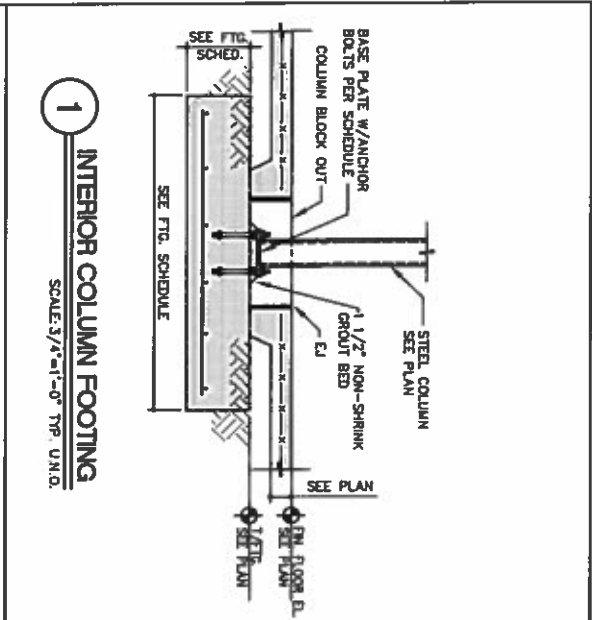
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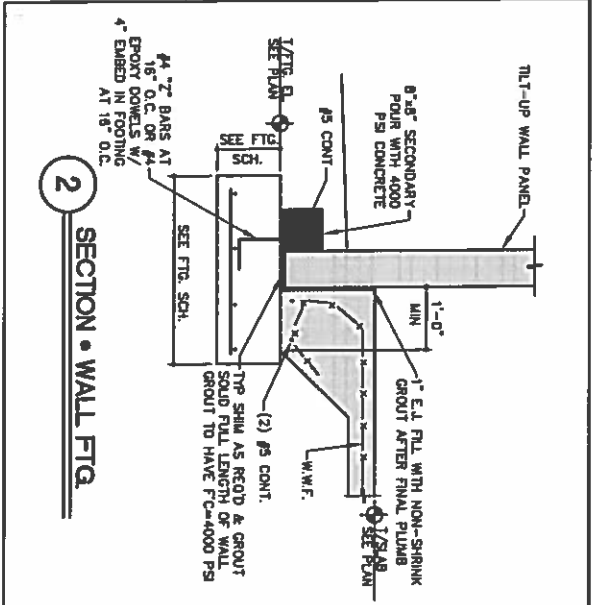


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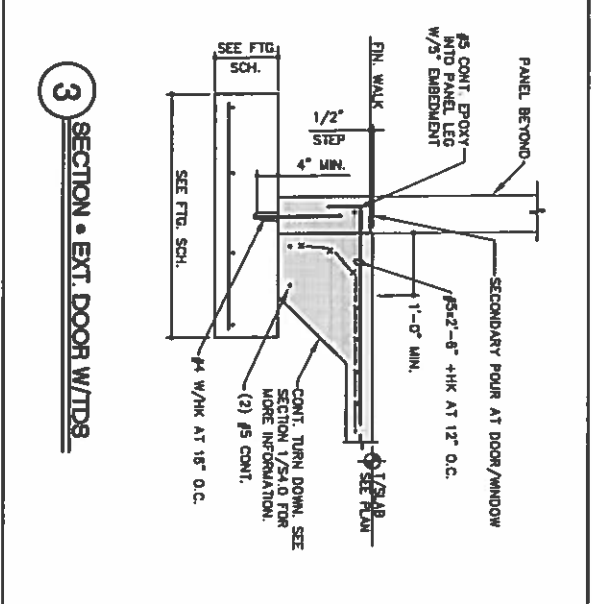
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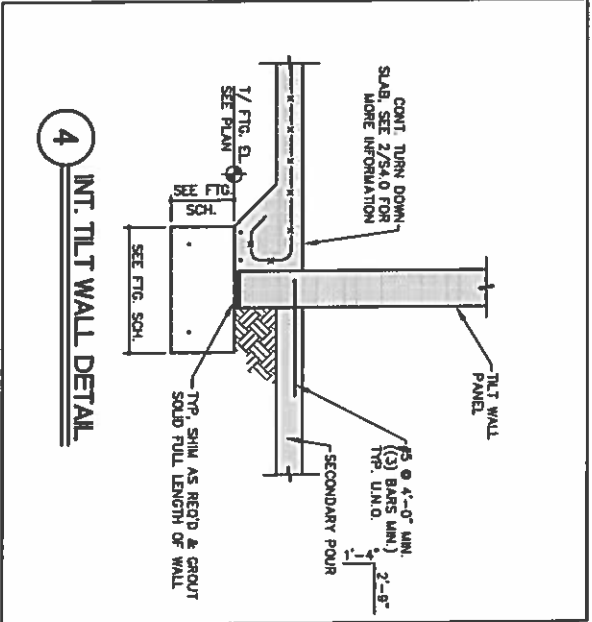
1 INTERIOR COLUMN FOOTING
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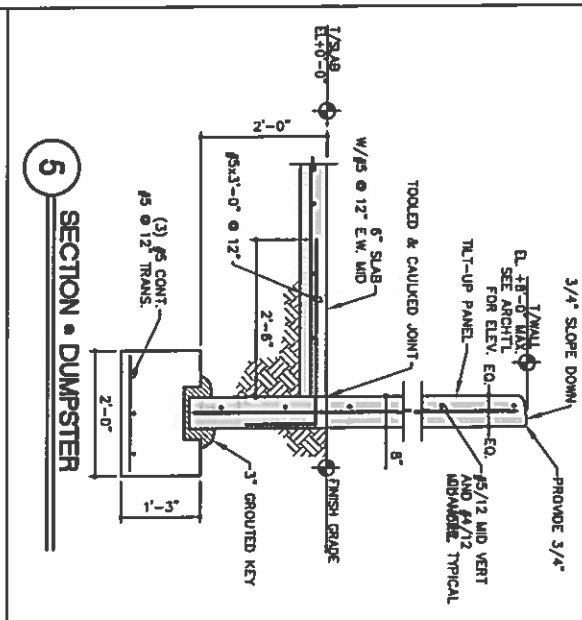
2 SECTION • WALL FTG.



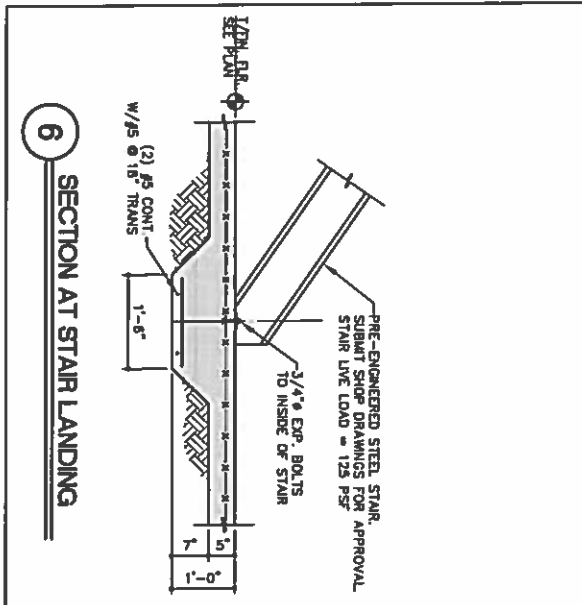
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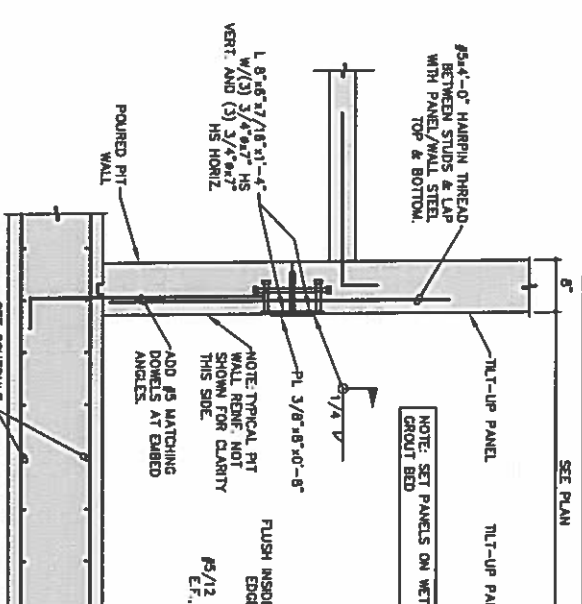
4 INT. TILT WALL DETAIL



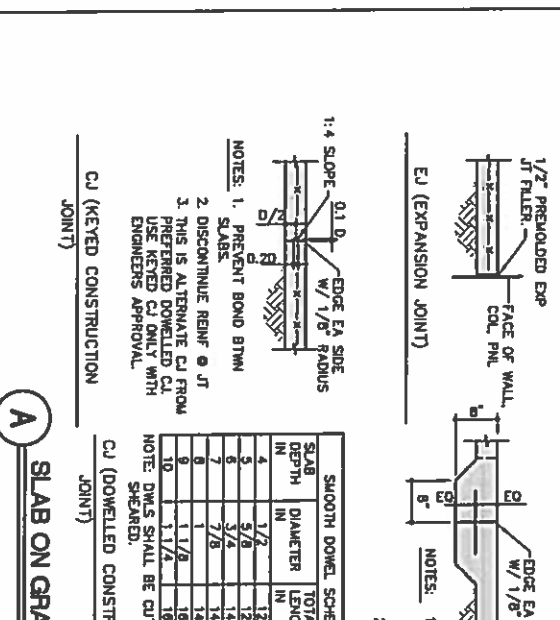
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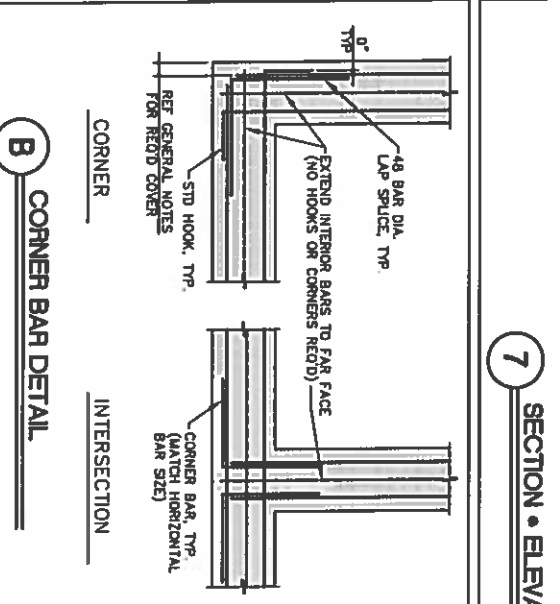
6 SECTION AT STAIR LANDING



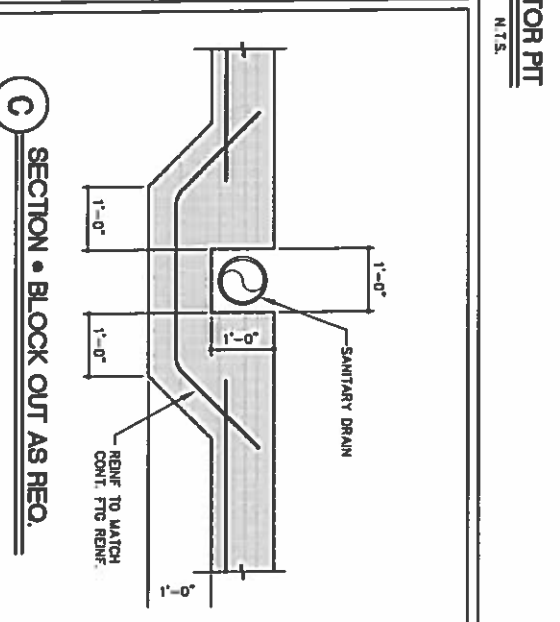
7 SECTION • ELEVATOR PIT
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A SLAB ON GRADE DETAILS



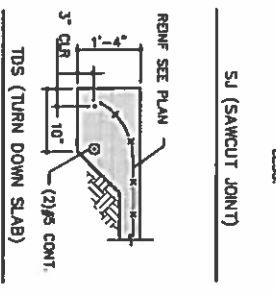
B CORNER BAR DETAIL

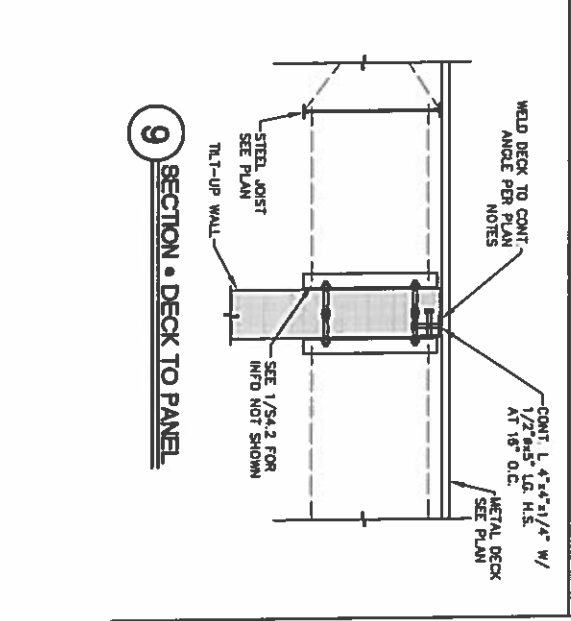
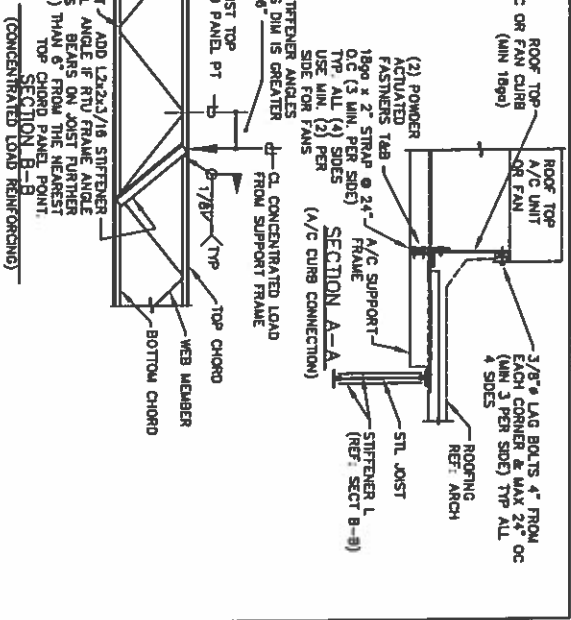
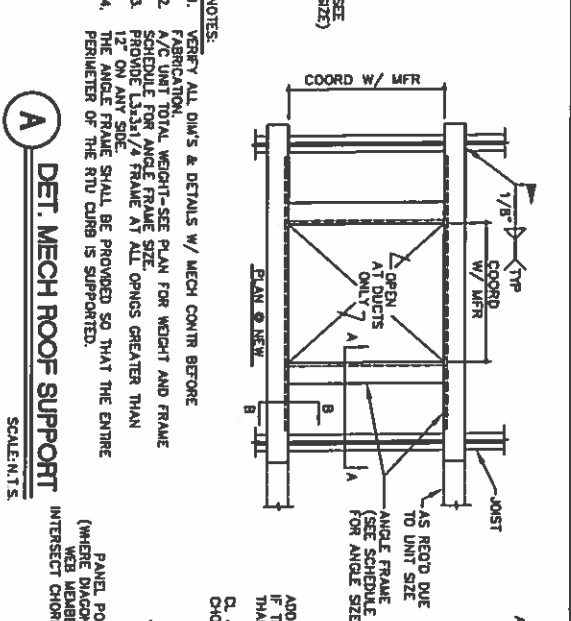
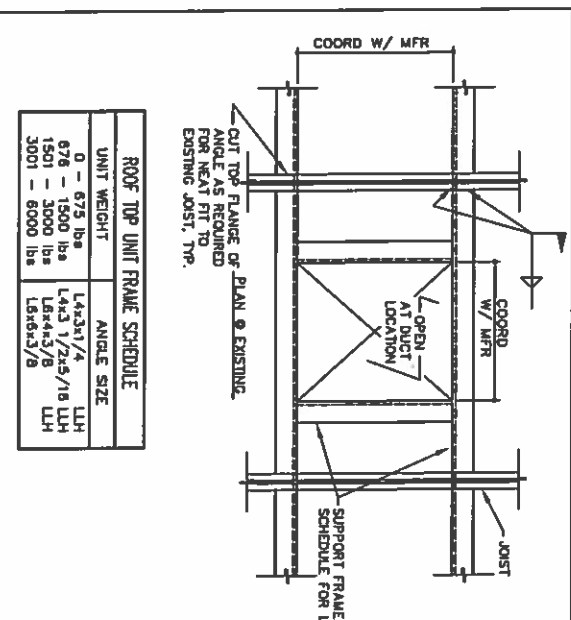
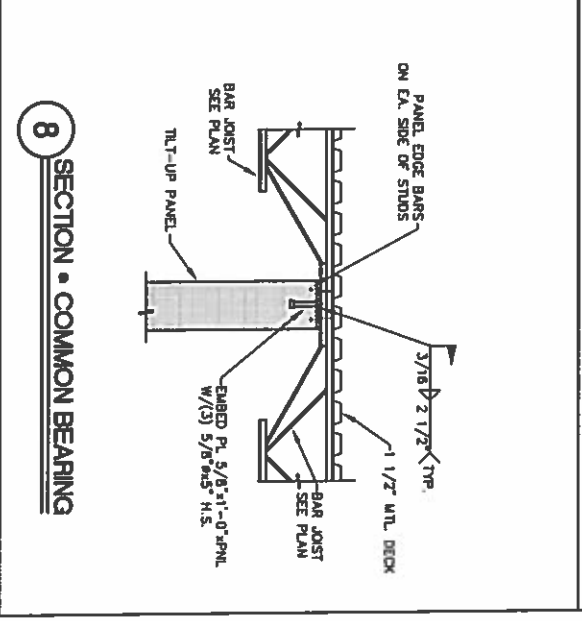
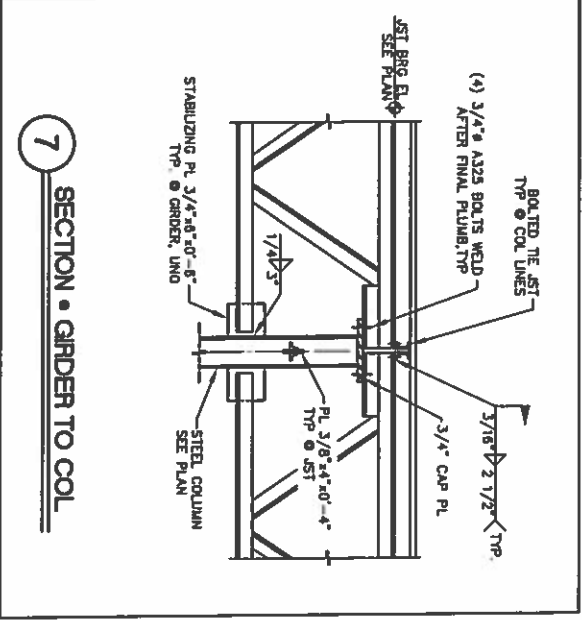
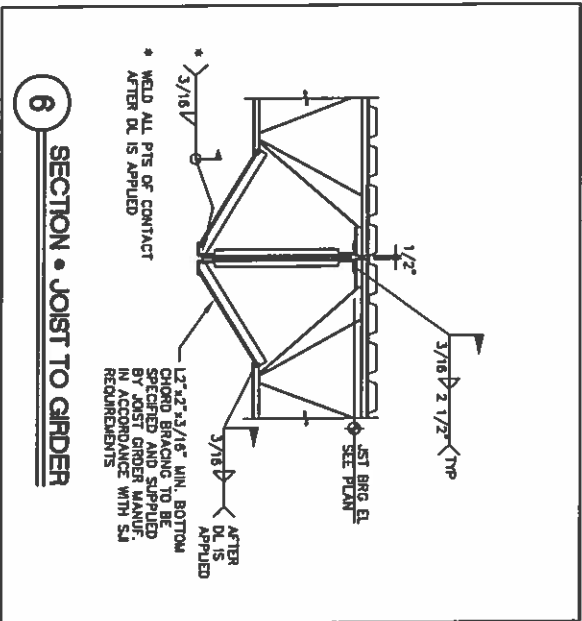
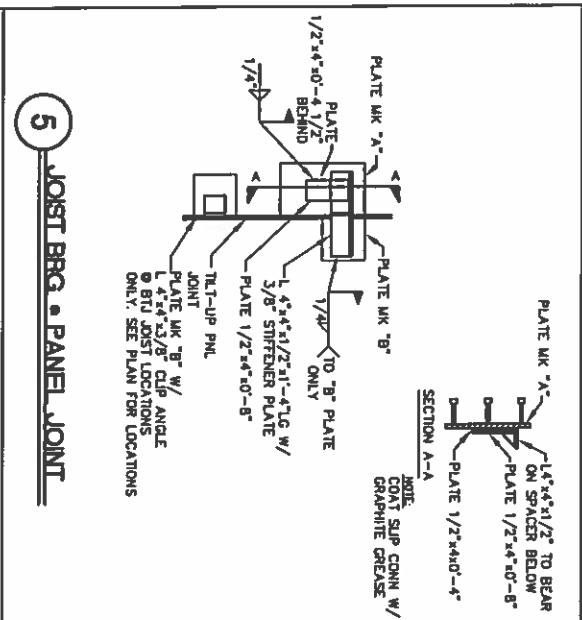
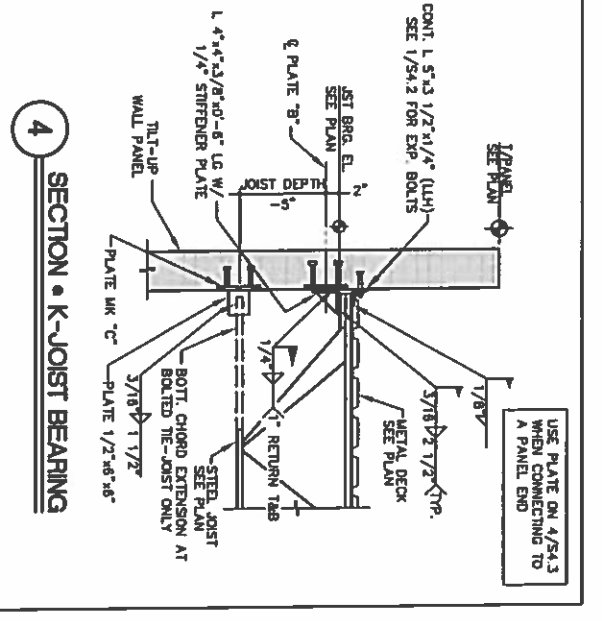
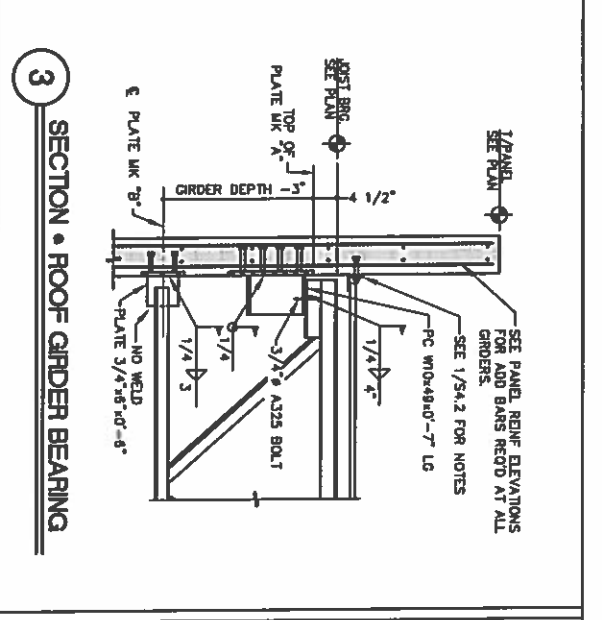
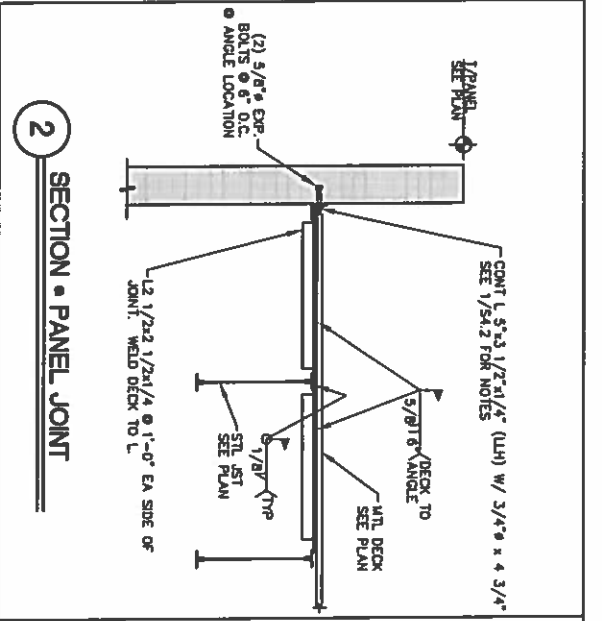
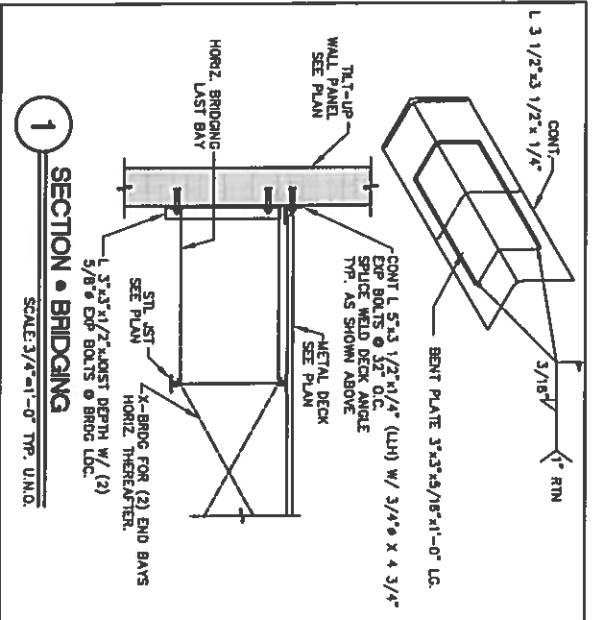


C SECTION • BLOCK OUT AS REQ.

SMOOTH DOWEL SCHEDULE

SLAB DEPTH IN	DIAMETER IN	TOTAL LENGTH IN	SPACING C TO C IN
4	1/2	12	12
5	5/8	14	12
6	3/4	14	12
7	7/8	14	12
8	1	14	12
9	1 1/4	18	12
10	1 1/2	18	12



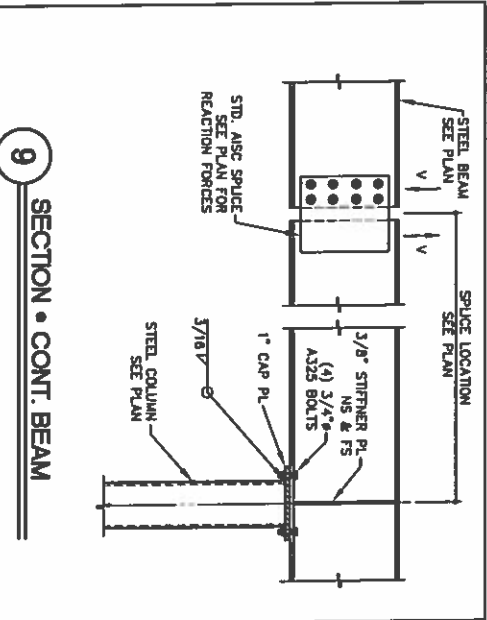
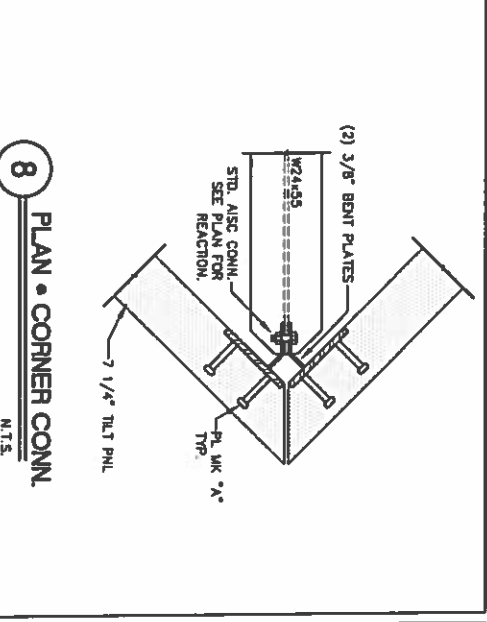
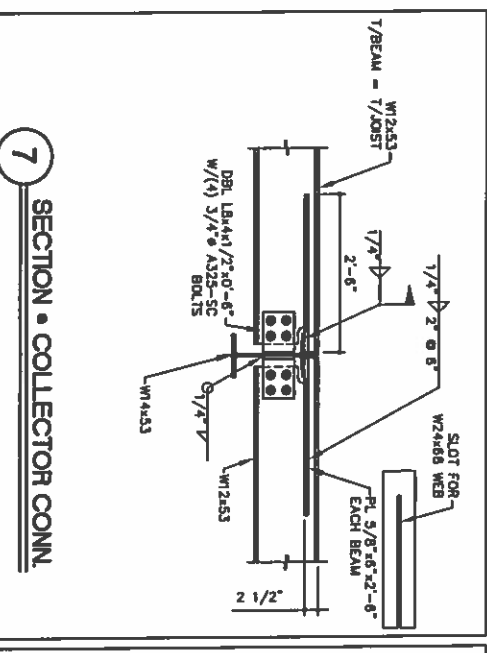
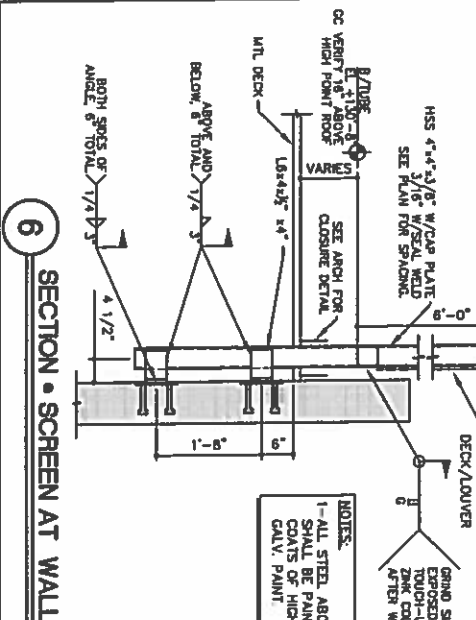
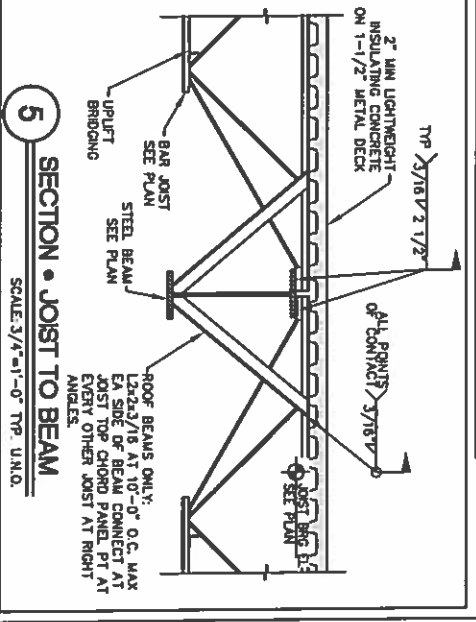
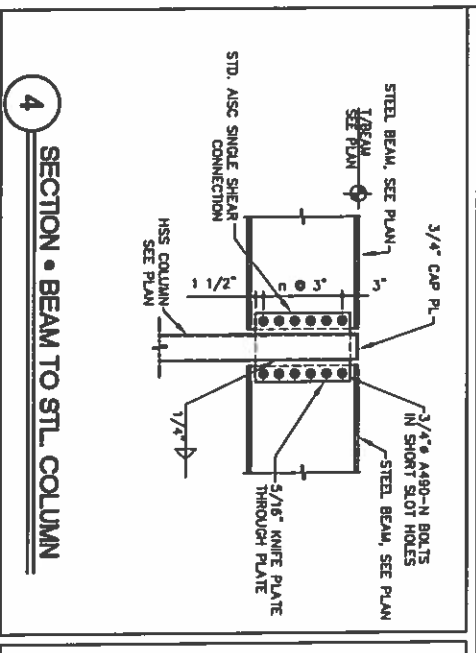
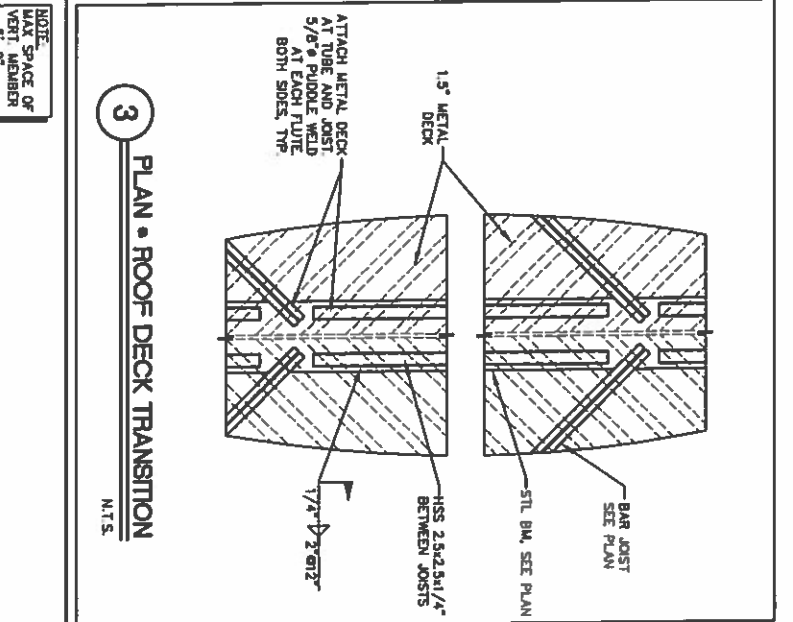
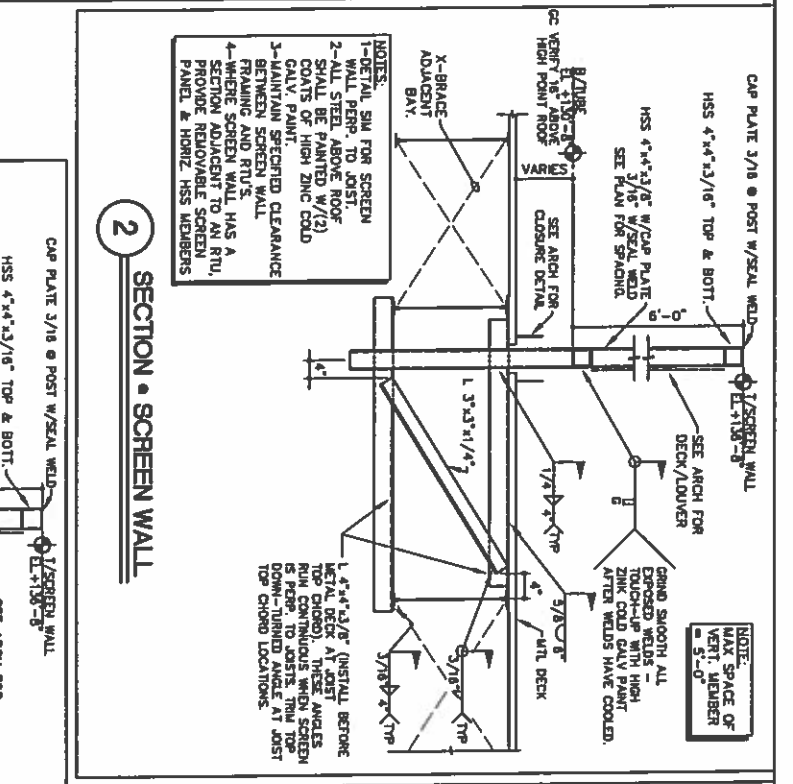
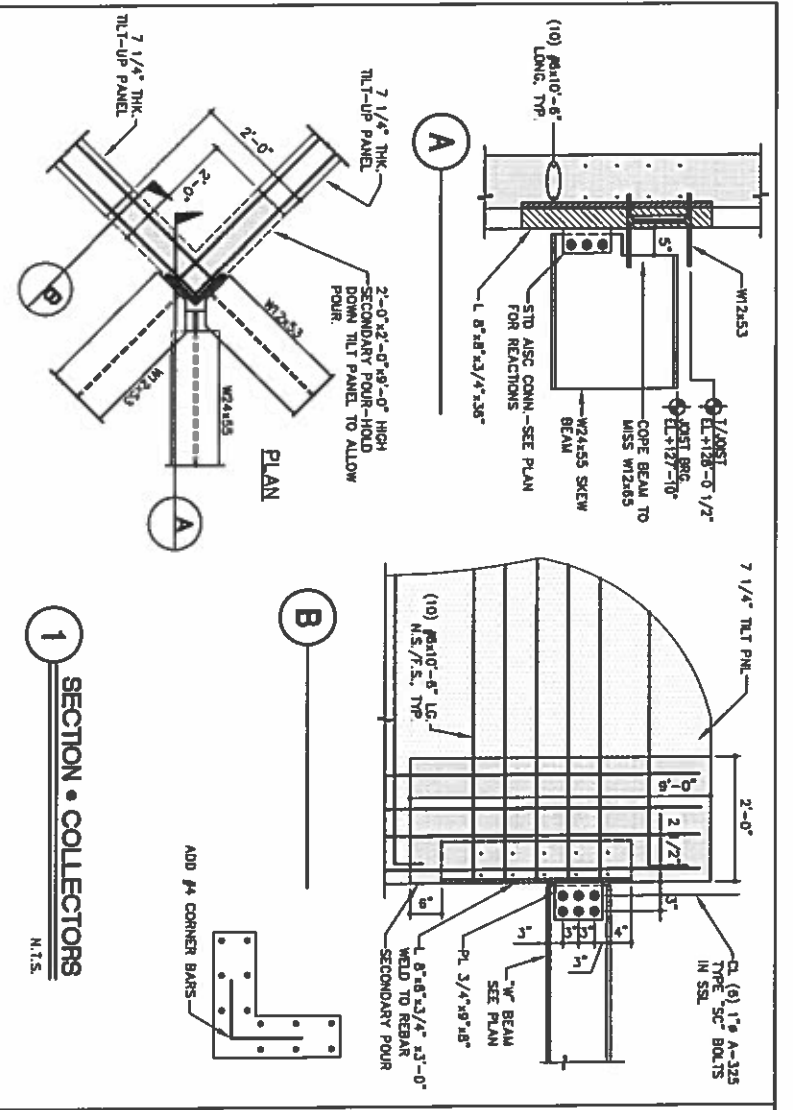


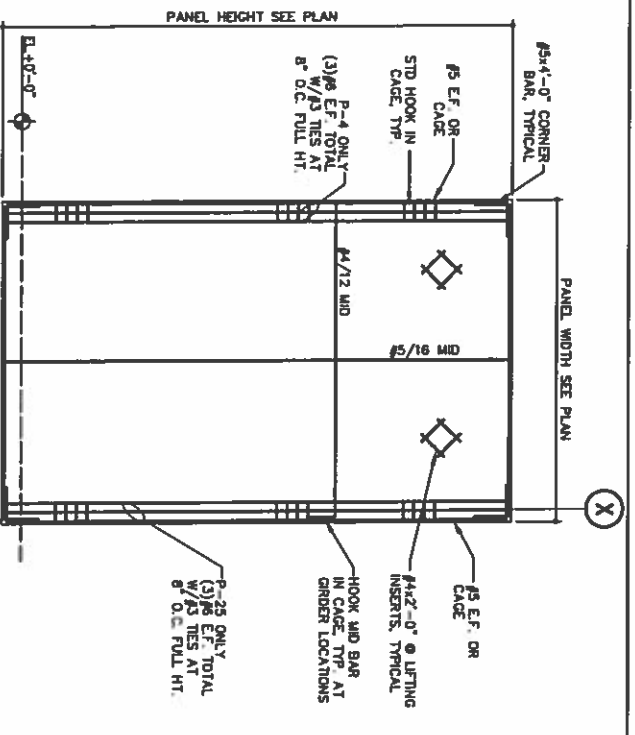
ROOF TOP UNIT FRAME SCHEDULE		
UNIT WEIGHT	ANGLE SIZE	U/LH
0 - 675 lbs	L4x3x1/4	L4H
676 - 1500 lbs	L4x3 1/2x3/8	L4H
1501 - 3000 lbs	L6x4x3/8	L6H
3001 - 6000 lbs	L6x6x3/8	L6H

- NOTES:
- VERIFY ALL DIM'S & DETAILS W/ MECH CONTR BEFORE FABRICATION.
 - A/C UNIT TOTAL WEIGHT-SEE PLAN FOR WEIGHT AND FRAME SCHEDULE FOR ANGLE FRAME SIZE.
 - PROVIDE L3x3x1/4 FRAME AT ALL OPNS GREATER THAN 12' ON ANY SIDE.
 - THE ANGLE FRAME SHALL BE PROVIDED SO THAT THE ENTIRE PERIMETER OF THE RTD CURB IS SUPPORTED.

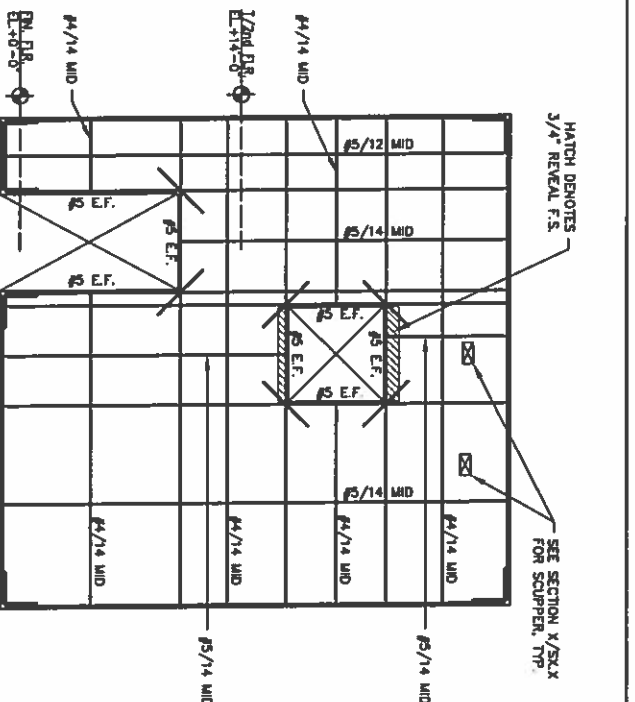
- PANEL POINT (WHERE DIAGONAL WEB MEMBERS INTERSECT CHORDS) TOP CHORD PANEL POINT. (CONCENTRATED LOAD REINFORCING)

- WELD DECK TO CONT. ANGLE PER PLAN NOTES
- CONT. L 4\"/>

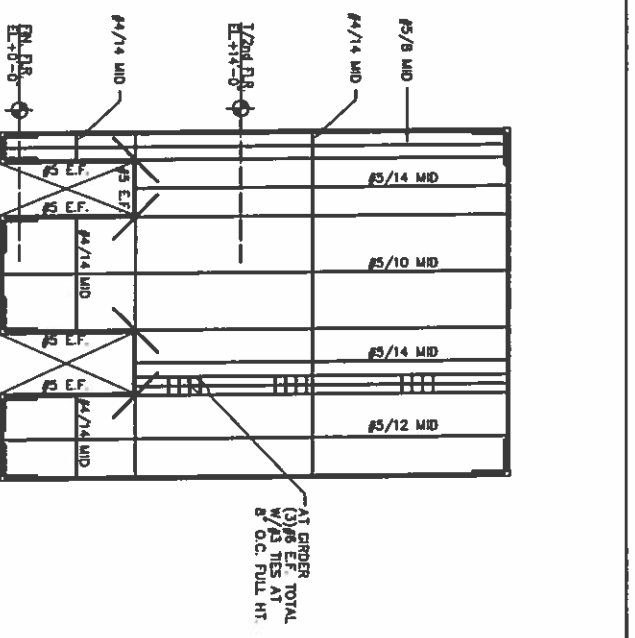




TYPE A-SOLID PANEL
7 1/2" THICK
PANELS: P-2, P-4, P-12, P-14, P-23, P-34, P-35

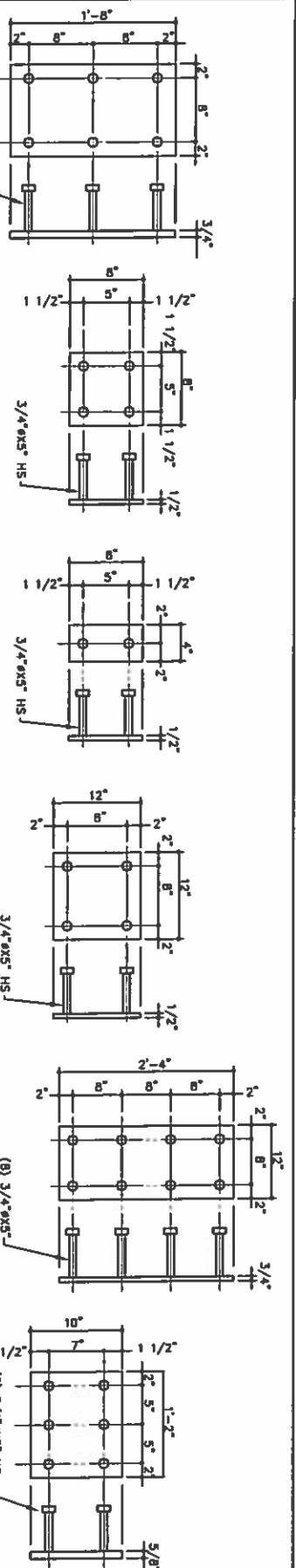


TYPE B-PANEL W/OPENINGS
8" THICK
PANELS: P-15

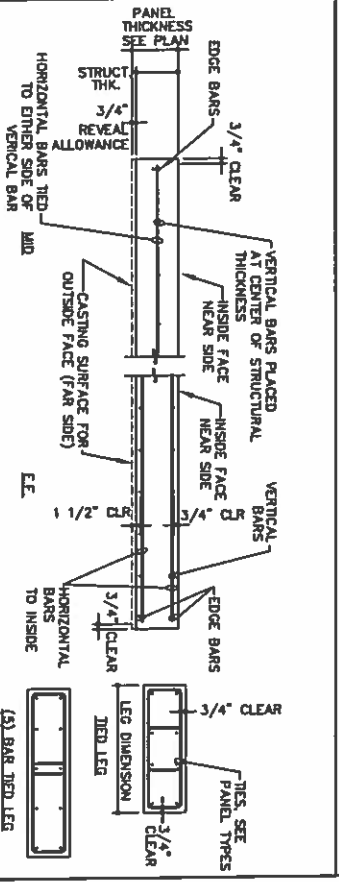


TYPE C-PANEL W/OPENINGS
8" THICK
PANELS: P-13

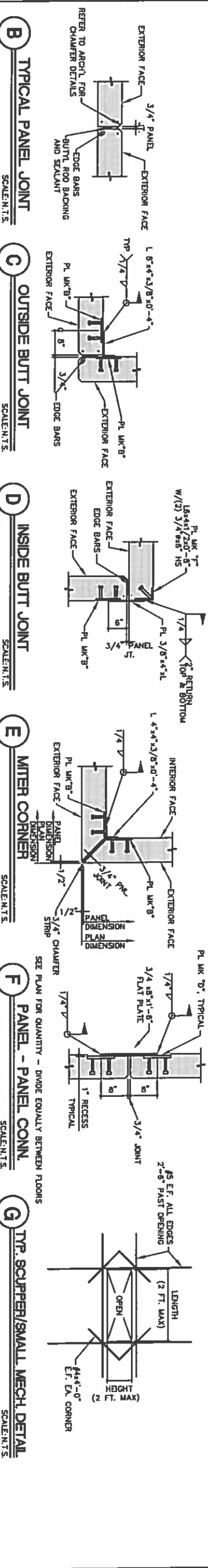
PROVIDE MINIMUM 3 CONNECTIONS BETWEEN PANELS AT INSIDE BUTT, OUTSIDE BUTT AND MITERED CORNERS ONLY. UNID. ON PLAN. LOWER GROUND FLOOR AT 1'-0" ABOVE GROUND FLOOR AT 2'-0" BELOW 1ST BRG. (ROOF) OR 1/BEAM (FLOORS) ELEVATIONS TYP. UNID. RECESS & PATCH ALL PLATES 3/4" AT STAIR, ELEVATOR AND EXTERIOR CONNECTIONS ONLY UNID.



REINFORCEMENT PLACEMENT DIAGRAMS
SCALE: N.T.S.



REINFORCEMENT PLACEMENT DIAGRAMS
SCALE: N.T.S.

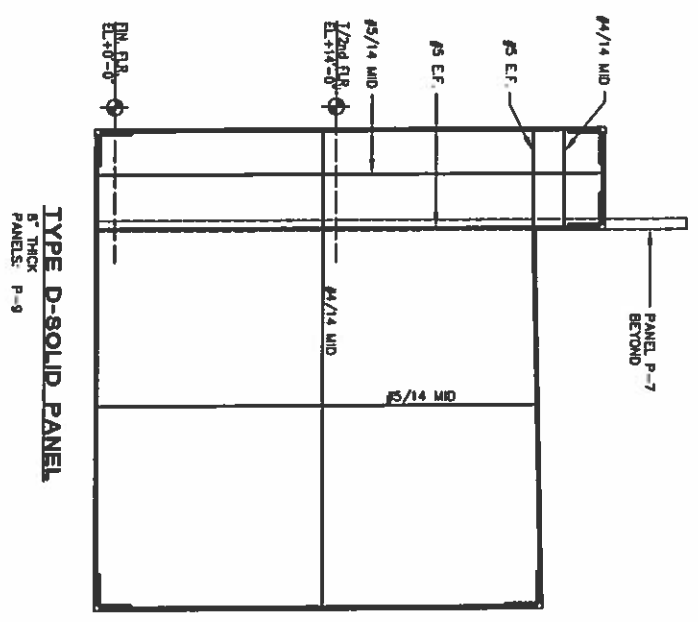


TYPICAL PANEL JOINT SCALE: N.T.S.
OUTSIDE BUTT JOINT SCALE: N.T.S.
INSIDE BUTT JOINT SCALE: N.T.S.
MITER CORNER SCALE: N.T.S.
PANEL - PANEL CONN. SCALE: N.T.S.
TYP. SCUPPER/SMALL MECH DETAIL SCALE: N.T.S.

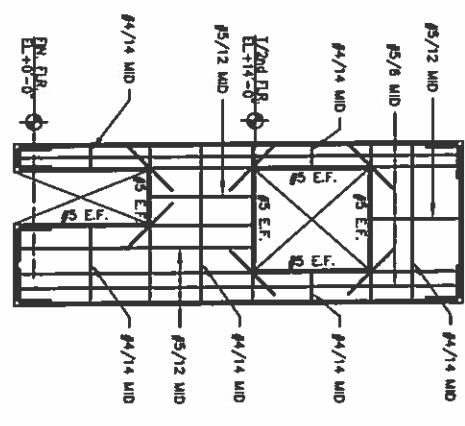
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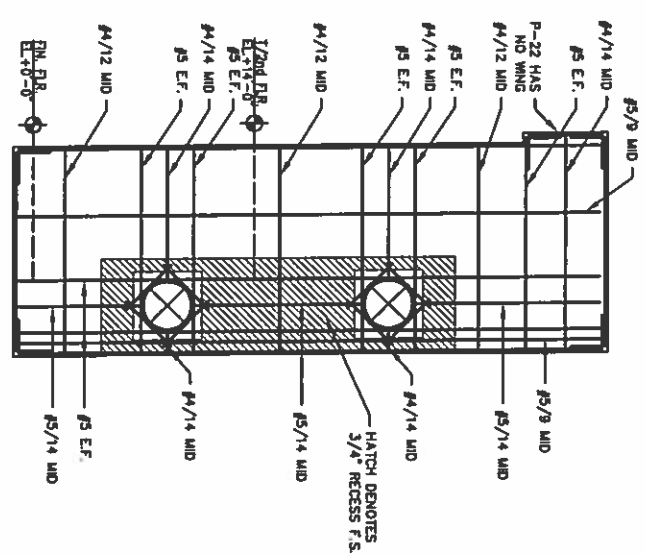
HARVARD•JOLLY
ARCHITECTURE



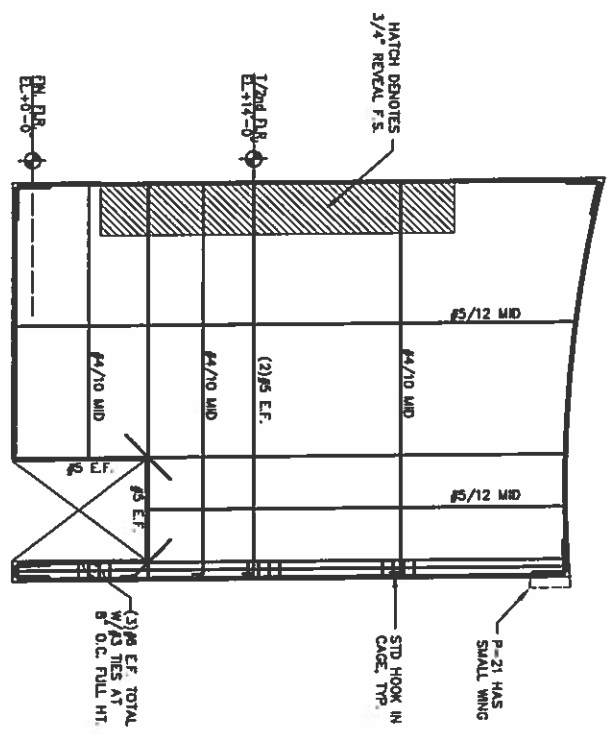
TYPE D-SOLID PANEL
P-9
P-THICK
PANELS: P-9



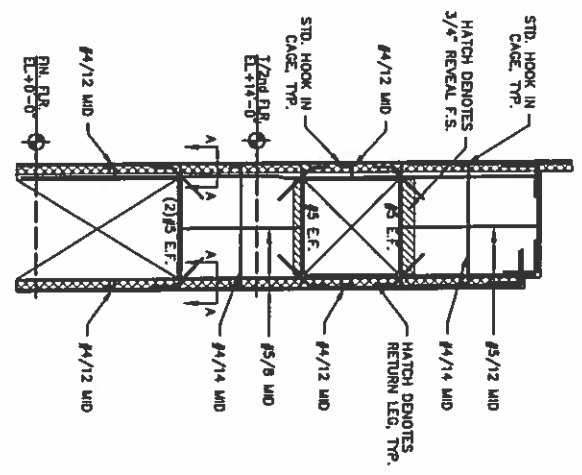
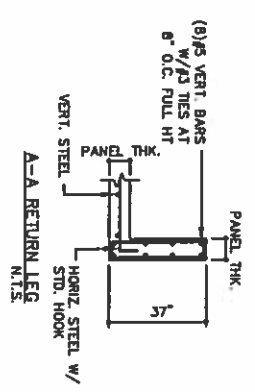
TYPE E-PANEL W/OPENINGS
P-8
P-THICK
PANELS: P-8



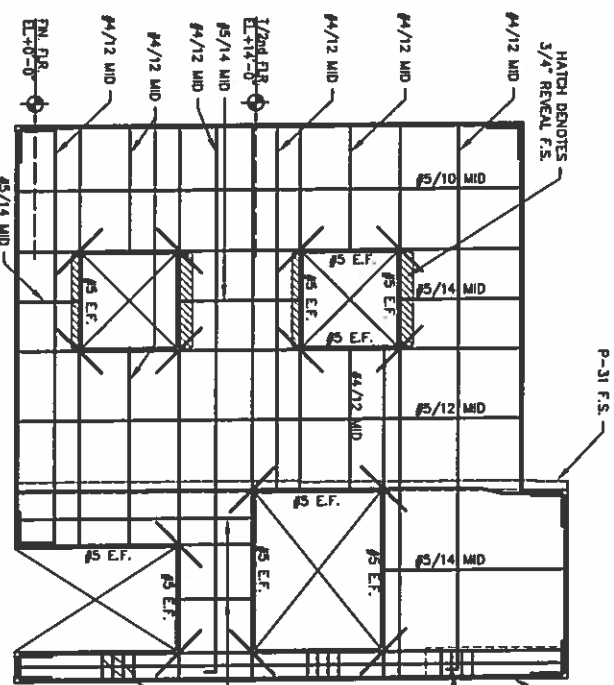
TYPE F-PANEL W/OPENINGS
P-7
P-THICK
PANELS: P-7
SIMILAR: P-22



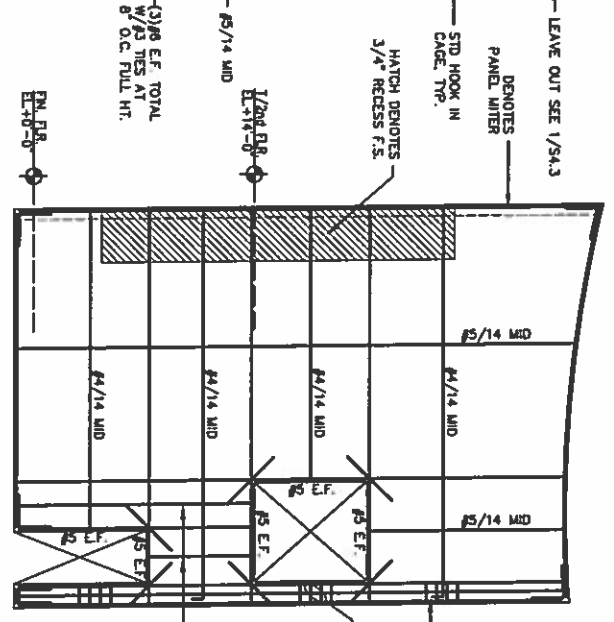
TYPE G-PANEL W/OPENING
P-6
P-THICK
PANELS: P-21



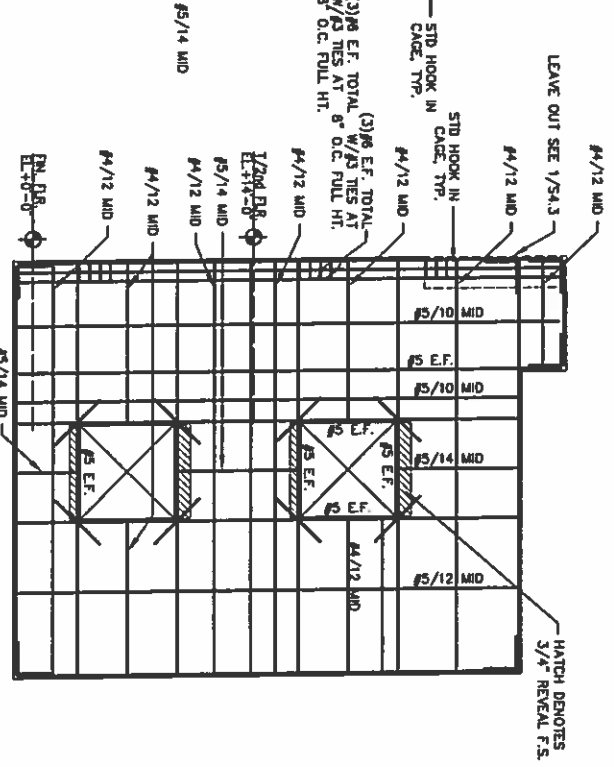
TYPE H-PANEL W/OPENINGS
P-5
P-THICK
PANELS: P-5



TYPE I-PANEL W/OPENINGS
P-1
P-THICK
PANELS: P-1



TYPE J-PANEL W/OPENINGS
P-23
P-THICK
PANELS: P-23



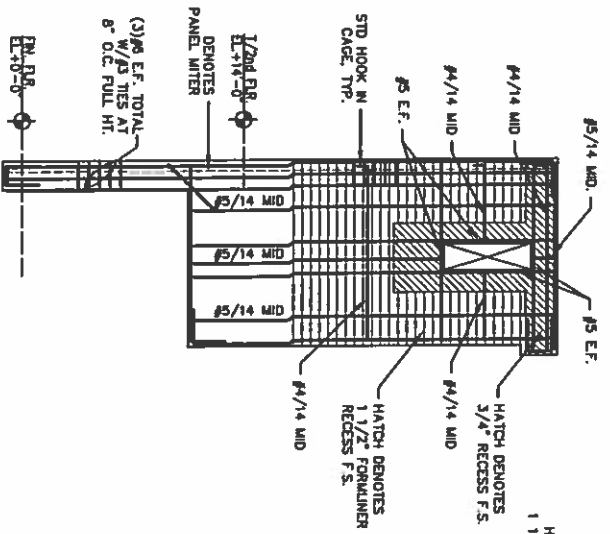
TYPE K-PANEL W/OPENINGS
P-29
P-THICK
PANELS: P-29

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Tampa 813-286-0206
West Palm Beach 561-478-4457
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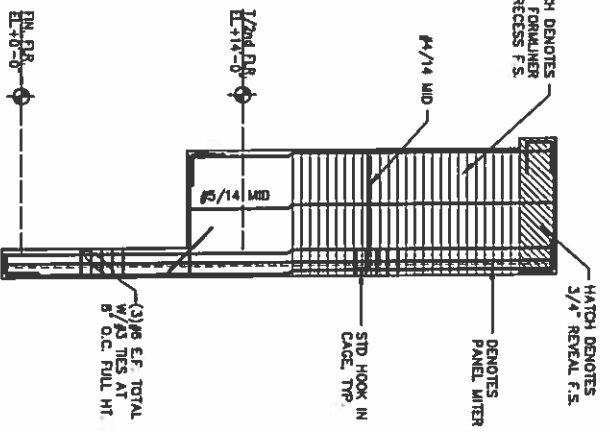
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Comm. No.	JSGJ 14101
Date	09-24-2014
Project	E.B. / S.G.
Revised	
Copyright	2014

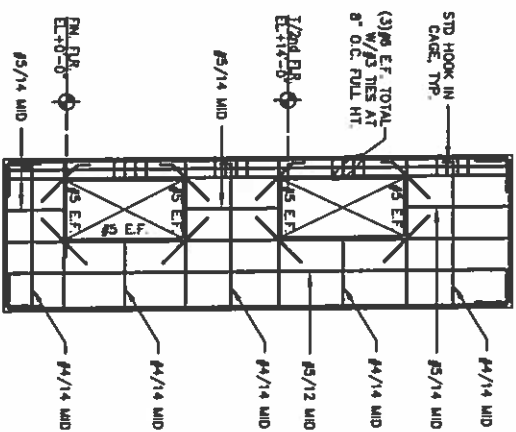
REINFORCEMENT
55.1



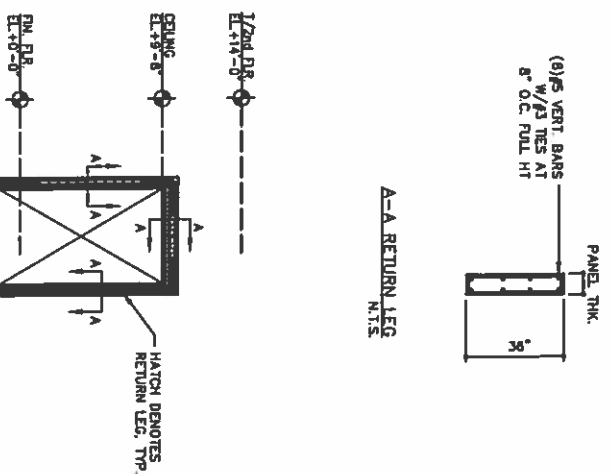
TYPE L-PANEL W/KNOTCH
 8" THICK
 PANELS: P-30



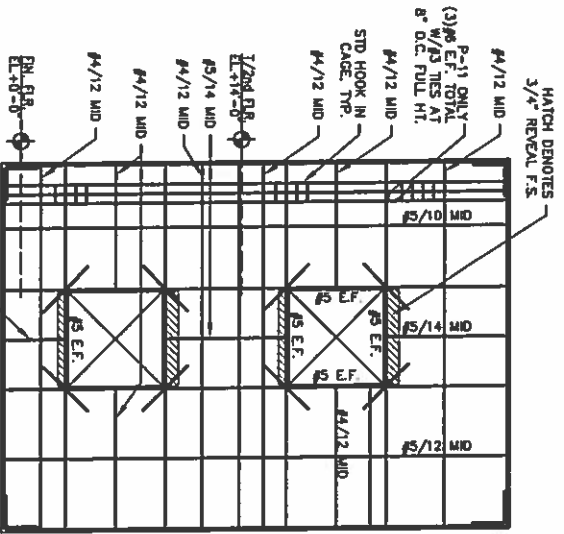
TYPE M-PANEL W/KNOTCH
 8" THICK
 PANELS: P-31



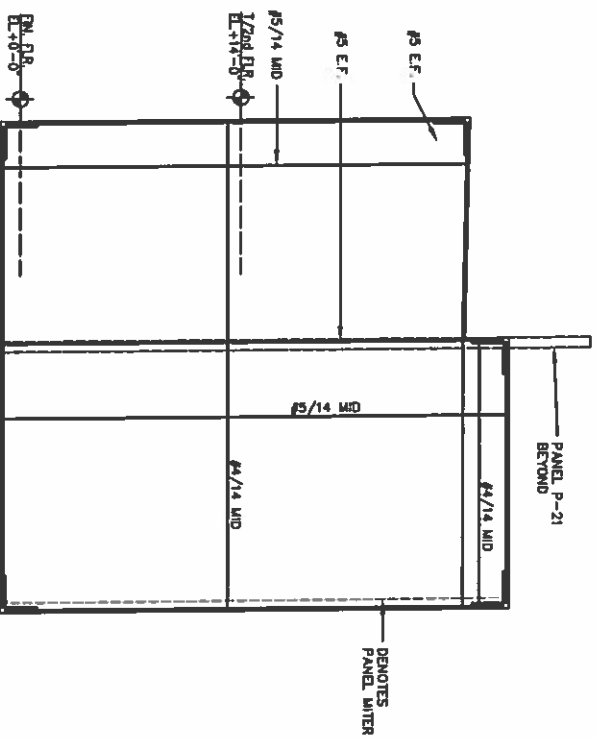
TYPE N-PANEL W/OPENINGS
 8" THICK
 PANELS: P-32



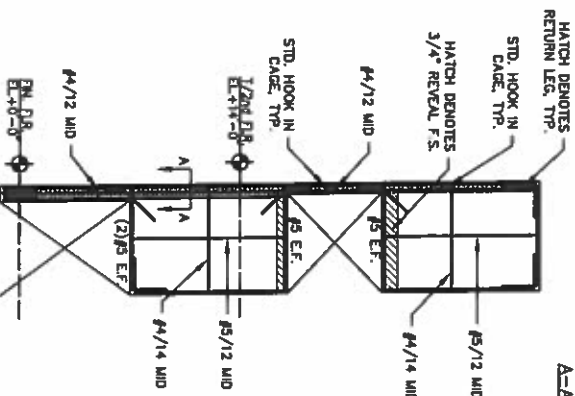
TYPE O-PANEL W/OPENING
 8" THICK
 PANELS: P-38



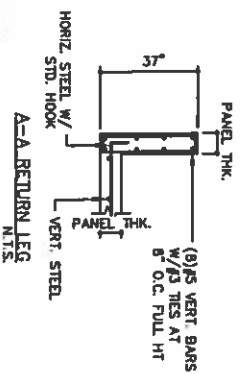
TYPE P-PANEL W/OPENINGS
 8" THICK
 PANELS: P-2, P-10, P-11, P-16, P-17, P-18, P-19, P-23, P-26, P-27, P-28



TYPE Q-SOLID PANEL
 8" THICK
 PANELS: P-20



TYPE R-PANEL W/RET. LEG
 8" THICK
 PANELS: P-24



A-A RETURN LEG
 N.T.S.

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 West Palm Beach 561-478-4457
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 Date: 09-24-2014
 Drawn: E.B. / S.G.
 Revised:
 Scale: 1/4" = 1'-0"

55.2