

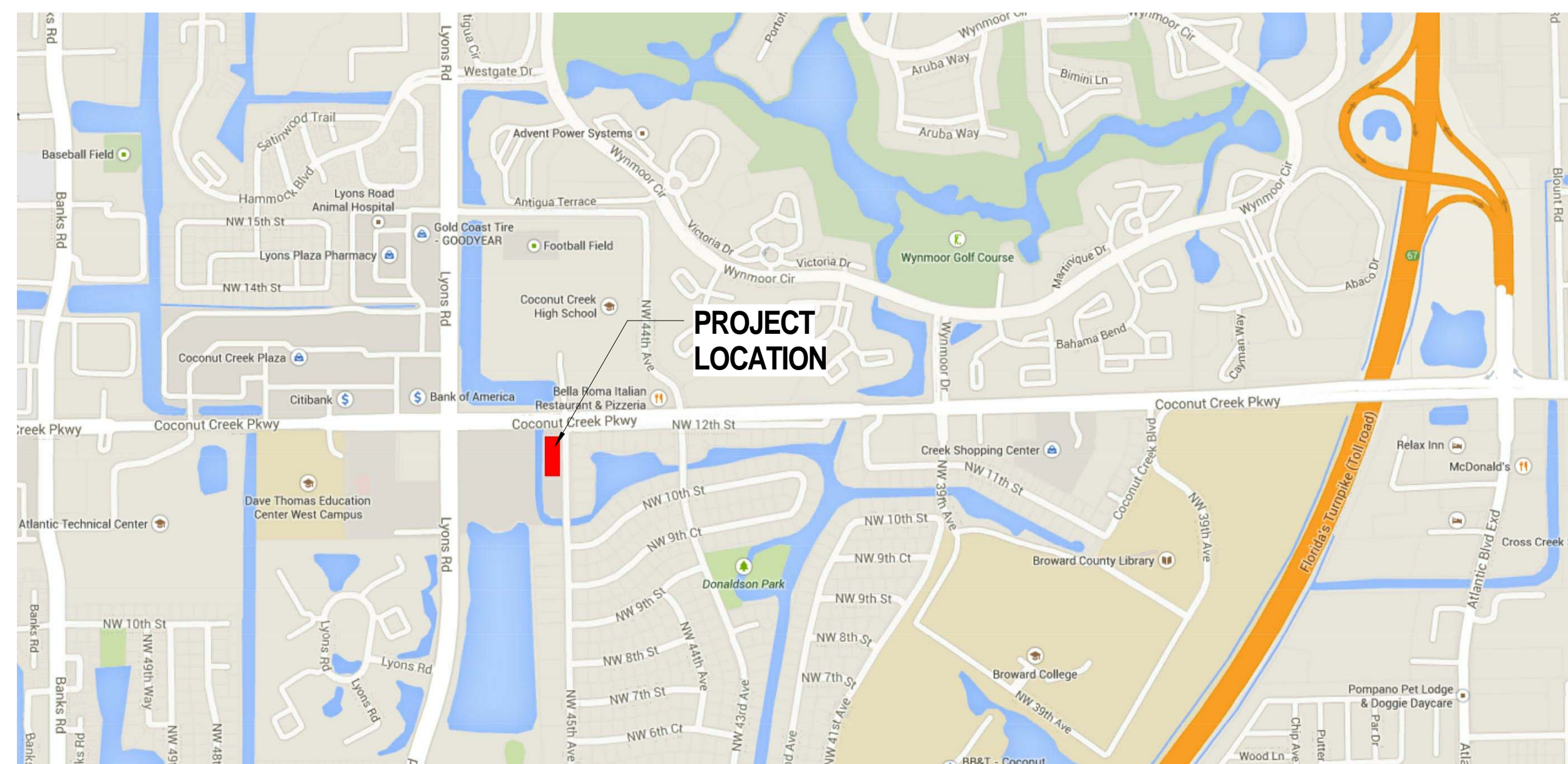


# FIRE STATION 50

CONSTRUCTION ISSUE SET

11/03/14

## Drawing Index



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### LEED STATEMENT:

LEED PROJECT NAME: FIRE STATION 50

THIS IS A LEED REGISTERED PROJECT UNDER LEED V2009 FOR NEW CONSTRUCTION.

THIS PROJECT WILL BE COMMISSIONED IN ACCORDANCE WITH THE LEED BUILDING RATING SYSTEM, EA PREREQUISITE 1, FUNDAMENTAL COMMISSIONING AND EA CREDIT 3, ENHANCED COMMISSIONING. A DEDICATED COMMISSIONING AGENT (CXA) HAS BEEN RETAINED TO GUIDE THE COMMISSIONING PROCESS. ALL SUBCONTRACTORS WILL BE RESPONSIBLE FOR CARRYING OUT COMMISSIONING ACTIVITIES ASSOCIATED WITH THEIR SCOPES AS DIRECTED BY THE CXA. SEE THE COMMISSIONING PLAN (COPY AVAILABLE UPON REQUEST) FOR FURTHER INFORMATION.



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**CRJ**  
**CRJ & Associates, Inc.**  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 699 Stirling Road, Suite B-201, Ft. Lauderdale, Florida 33312  
 Tel. (954) 239-4330 • Fax. (954) 239-4331

**CHEN-MOORE**  
 & ASSOCIATES  
 500 West Cypress Creek Road • Suite 430  
 Fort Lauderdale, FL • 33309  
 (954) 738-0707  
 www.chenmoore.com  
 CERTIFICATES OF AUTHORIZATION  
 EB0004593 LC24000425

**CPZ**  
**Architects, Inc.**  
 4316 West Broward Boulevard  
 Plantation, Florida 33317  
 (954) 792-8525, (954) 337-0359 Fax  
 AA #26000685

**KAMM**  
 Consulting  
 1407 West Newport Center Drive  
 Deerfield, Florida 33442  
 Phone 954.949.2200 Fax 954.949.2201  
 engineering@kammconsulting.com  
 Certification of Authorization #1689

**TRC**  
 WORLDWIDE ENGINEERING  
 3590 NW 56th Street  
 Fort Lauderdale, FL 33309  
 Phone 954.484.7777  
 Fax 954.600.3230

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014
2	ADDENDUM #1	09-04-14

CONSULTANT:

LEED REGISTERED PROJECT  
 FIRE STATION 50

CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE (954) 792-8525  
 FAX (954) 337-0359  
 WWW.CPZARCHITECTS.COM  
 AA #26000685



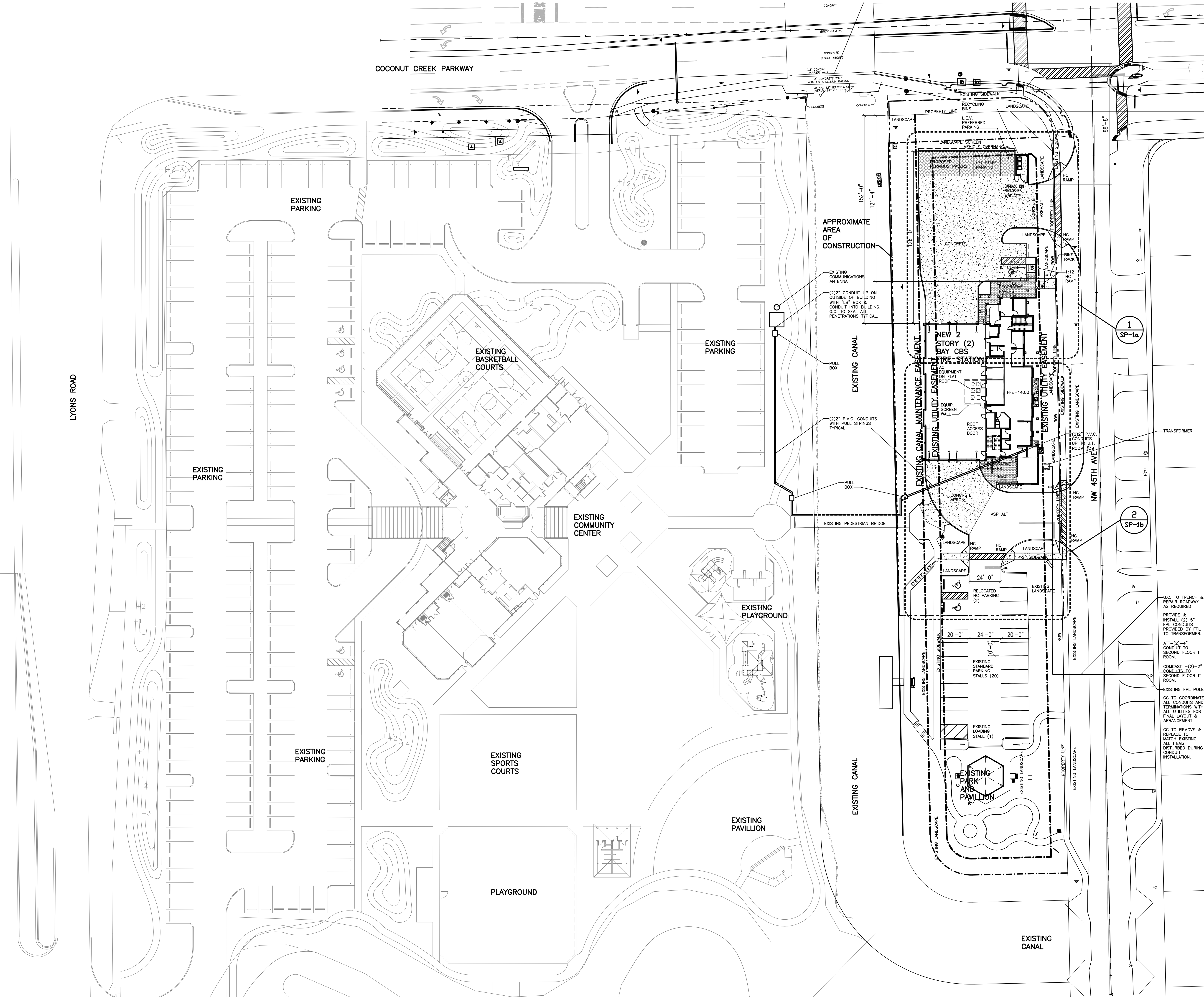
DRAWING TITLE:

**Cover Sheet**

DRAWN: RJMG  
 CHECKED: CPZ  
 DATE: 07-25-2014  
 SCALE: As Indicated  
 PROJECT NO. 1220D  
 SHEET:

**COV**

DATE:



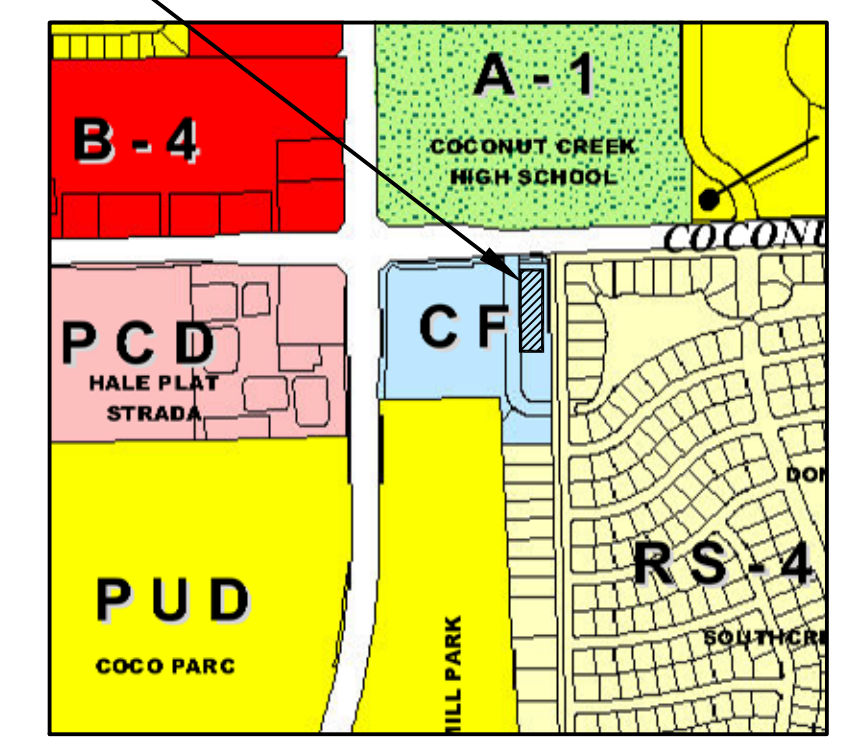
PROPOSED NEW FIRE STATION 50

OWNER:  
CITY OF COCONUT CREEK  
4800 W COPANS RD. COCONUT CREEK FL. 33063-3879

SITE DATA:	EXISTING		PROPOSED	
	S.F.	% OF SITE	S.F.	% OF SITE
EXISTING ZONING	CF		CF	
EXISTING LAND USE	OFFICE PROFESSIONAL		OFFICE PROFESSIONAL	
SITE AREA (GROSS)	357,327 SF	8.5 ACRES	357,327 SF	8.5 ACRES

BUILDING COVERAGE:	EXISTING		PROPOSED	
	S.F.	% OF SITE	S.F.	% OF SITE
COMMUNITY CENTER	25,347		25,347	
RESTROOM BUILDING	805		805	
PAVILION 1	538		538	
PAVILION 2	357		357	
PAVILION 3	546		546	
<b>NEW FIRE STATION (FOOTPRINT)</b>	---	---	<b>8,585</b>	---
<b>TOTAL BUILDING COVERAGE</b>	<b>27,593</b>	<b>7.7%</b>	<b>36,178</b>	<b>10%</b>
V U AREA + GRASS PARKING	121,750	34.2%	115,755	32.3%
JOGGING PATH	14,154	3.9%	14,154	3.9%
PAVED AREA (SIDEWALKS, SPORTS CT, SKATE PARK, PLAY AREAS)	56,376	15.7%	57,567	16.1%
LANDSCAPE/OPEN SPACE	137,454	38.4%	132,449	37.7%
<b>TOTAL PERVIOUS AREA</b>	<b>137,454</b>	<b>38.5%</b>	<b>132,449</b>	<b>37.7%</b>
<b>TOTAL IMPERVIOUS AREA</b>	<b>219,873</b>	<b>61.5%</b>	<b>224,878</b>	<b>62.3%</b>

PARKING DATA	CALCULATION	# OF SPACES	PROPOSED CALCULATION	
			# OF SPACES	# OF SPACES
GYMNASIUM	90 SEATS / 5 40 USERS / 2	20		20
COMM. ROOM	3,142.70 SF			
PUBLIC LOUNGE	578.70 SF			
SENIOR LOUNGE	1,469.00 SF			
TEEN ACTIVITY	1,400.40 SF			
CLASS ROOM	2,472.70 SF			
FITNESS ROOM	1,492.80 SF			
<b>TOTAL</b>	<b>10,576.30 SF/200</b>	<b>53</b>		<b>53</b>
<b>NEW FIRE STATION</b>	---	---	<b>9 DORMS + DISP</b>	<b>10</b>
OFFICE/KITCHEN	2,887.40 SF / 300	10		10
JOGGING TRAIL	14,154.00SF/5,000	3		3
PASSIVE AREA A	47,531.00SF/5,000	10		10
PASSIVE AREA B	17,407.00SF/5,000	4		4
<b>TOTAL PARKING SPACES REQ.</b>		<b>119</b>	<b>PROPOSED TOTAL PARKING SPACES REQ.</b>	<b>129</b>
<b>TOTAL PARKING SPACES PROVIDED</b>		<b>300</b>	<b>PROPOSED TOTAL PARKING SPACES PROVIDED</b>	<b>259</b>
TOTAL HC PARKING SPACES REQ.		8		8
TOTAL HC PARKING SPACES PROVIDED		8		8

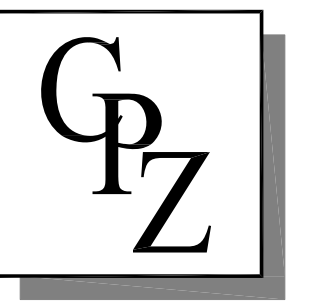


G.C. TO TRENCH & REPAIR ROADWAY AS REQUIRED  
 PROVIDE & INSTALL (2) 5" FPL CONDUITS PROVIDED BY FPL TO TRANSFORMER.  
 ATT-(2)-4" CONDUIT TO SECOND FLOOR IT ROOM.  
 COMCAST -(2)-2" CONDUITS TO SECOND FLOOR IT ROOM.  
 EXISTING FPL POLE  
 GC TO COORDINATE ALL CONDUITS AND TERMINATIONS WITH ALL UTILITIES FOR FINAL LAYOUT & ARRANGEMENT.  
 GC TO REMOVE & REPLACE TO MATCH EXISTING ALL ITEMS DISTURBED DURING CONDUIT INSTALLATION.

NO. REVISION DATE  
 CONST ISSUE 11-03-14

PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0559  
 AA 72000685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
 SITE PLAN  
 DRAWN  
 CHECKED CPZ  
 DATE  
 SCALE AS NOTED  
 PROJECT NO. 1220B  
 SHEET:

SP-1

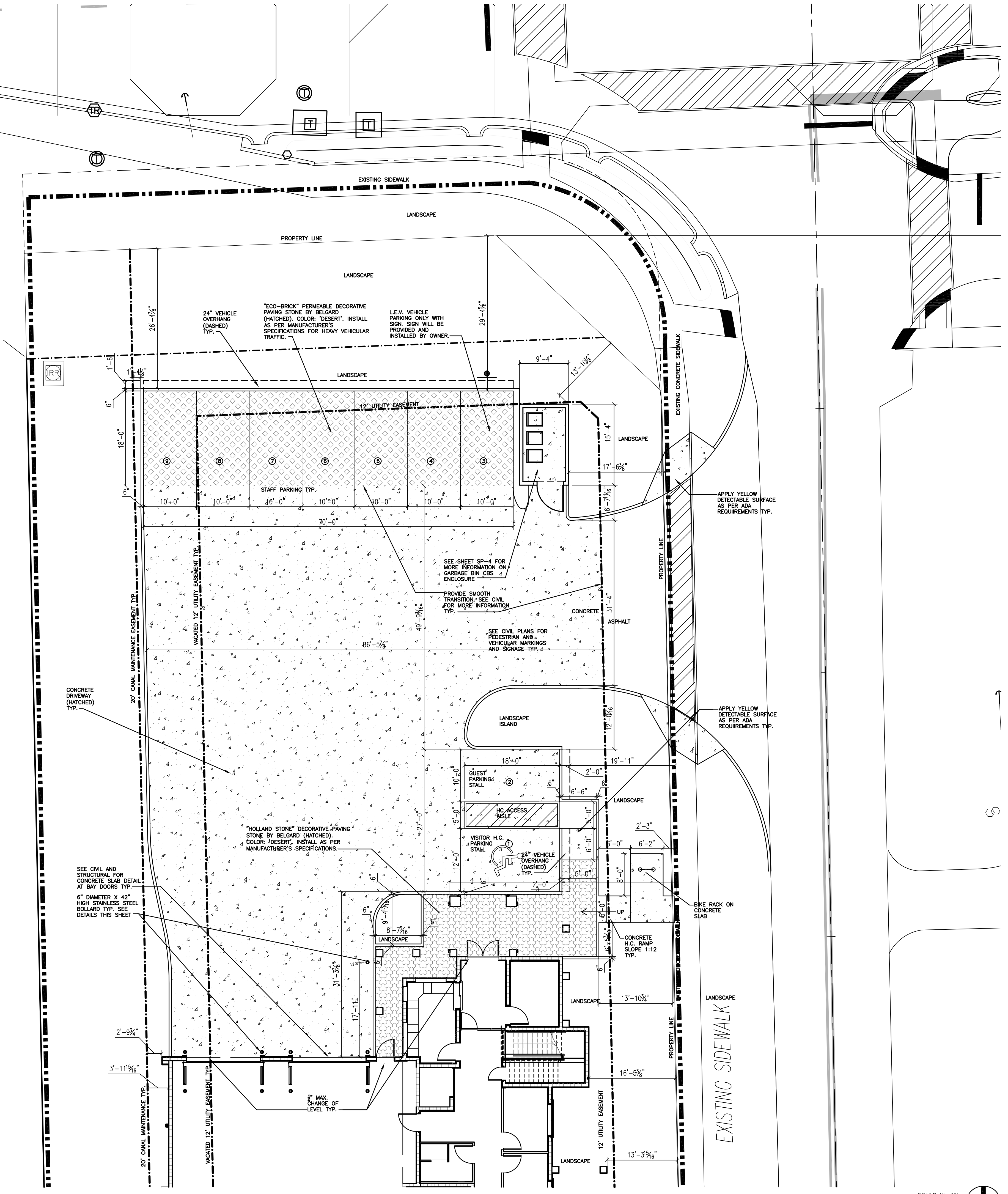
SITE PLAN

SCALE: 1/32" = 1'-0" DATE:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

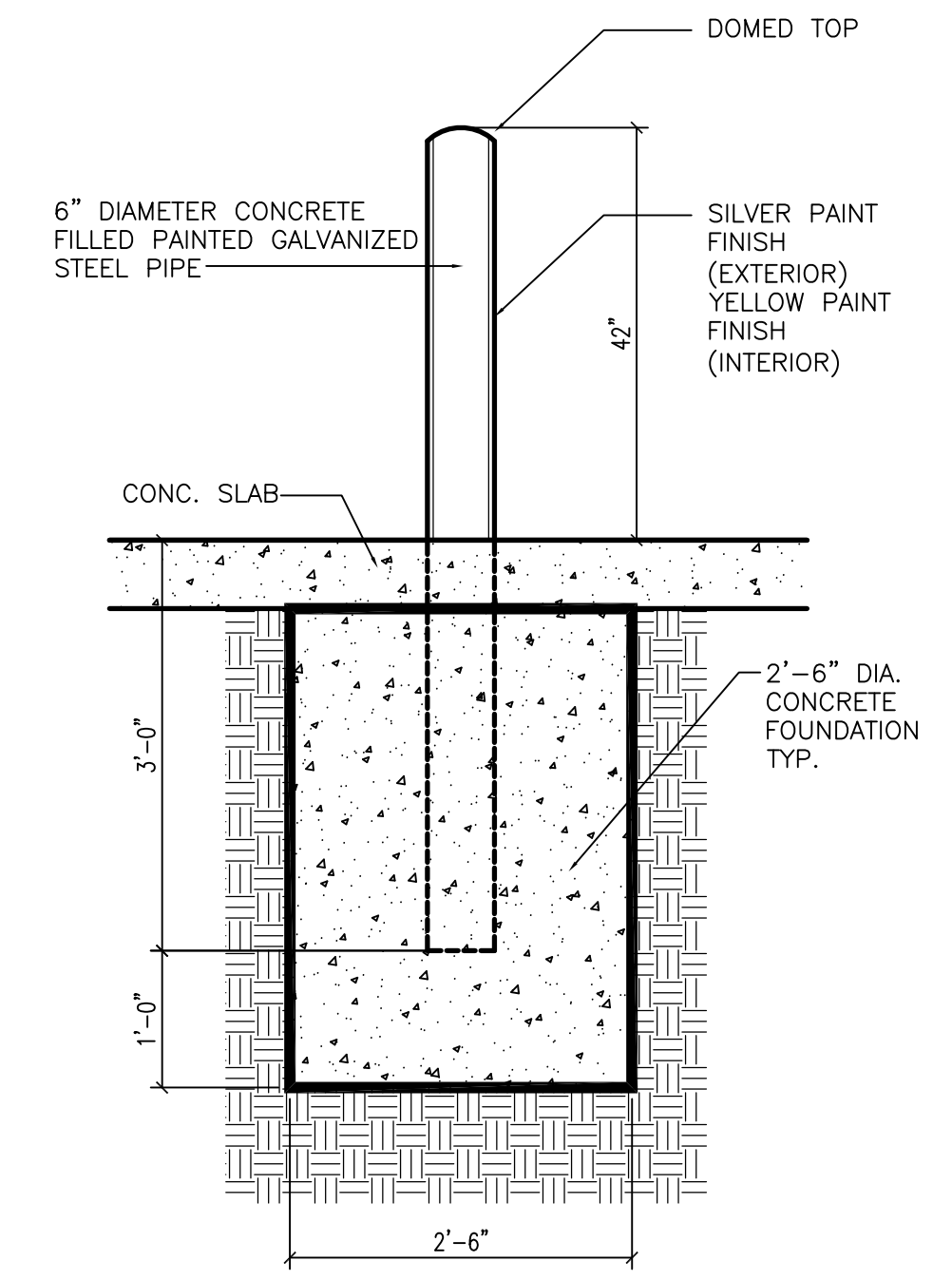
E WALL  
UM RAILING  
WATER MAIN  
BT DUCT

CONCRETE



SCALE: 1" = 10'

ENLARGED SITE PLAN



TYPICAL BOLLARD FOUNDATION SCALE: 3/4" = 1'-0"

Parking Sign Details for Alternative Fuel Vehicle parking (ILEV, hybrid, CNG and electric vehicles restricted parking).



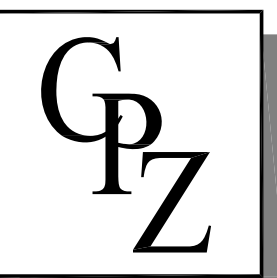
TYPICAL LEV PARKING SIGN N.T.S.

NOTE: LEV PREFERRED PARKING SIGN WILL BE PROVIDED AND INSTALLED BY THE CITY OF COCONUT CREEK.

CONSULTANT:

PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
4500 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525 FAX: (954) 337-0559  
AA 72500665 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
ENLARGED SITE PLAN  
DRAWN  
CHECKED CPZ  
DATE  
SCALE AS NOTED  
PROJECT NO. 1220B  
SHEET:

SP-1a

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10,995  
STATE OF FLORIDA

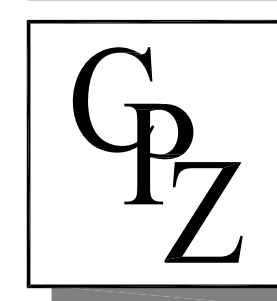
DATE:

CONSULTANT:

**PROPOSED NEW FIRE STATION 50  
NW 45 AVE.**  
4500 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 925-8235 FAX: (954) 337-0859  
AV: 23066865 WWW.CPZARCHITECTS.COM



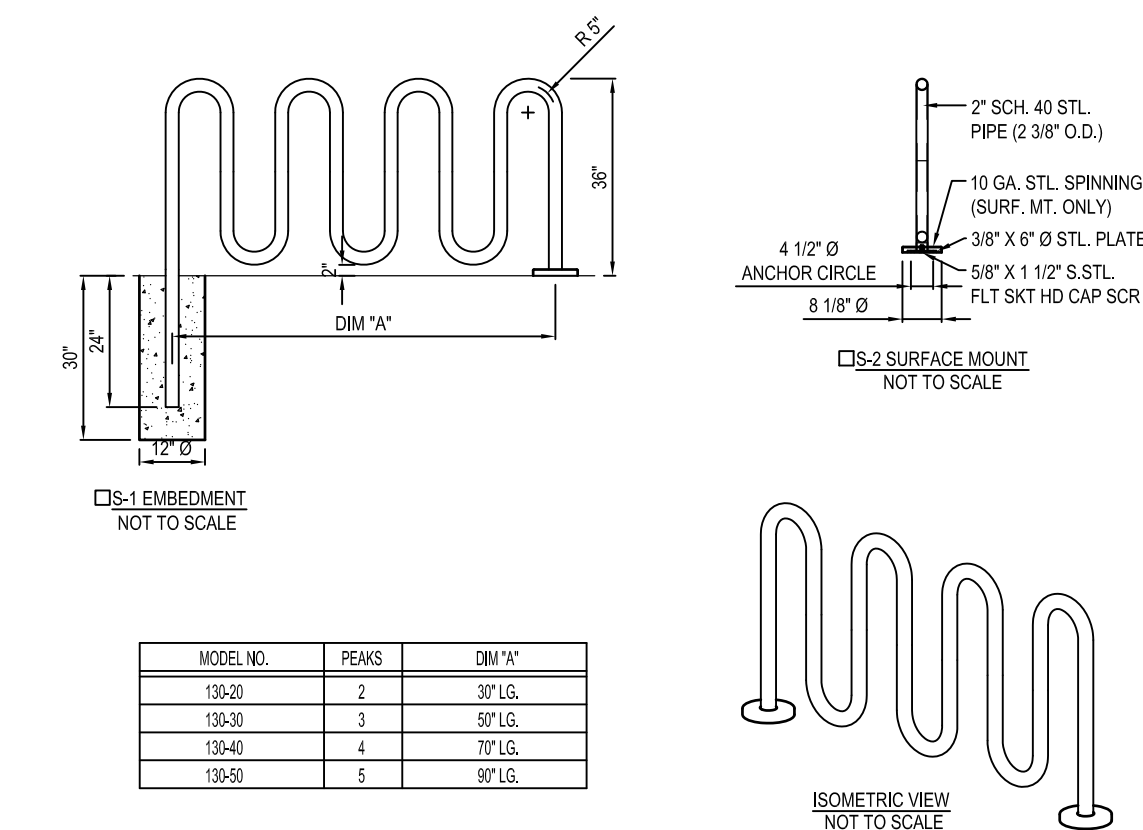
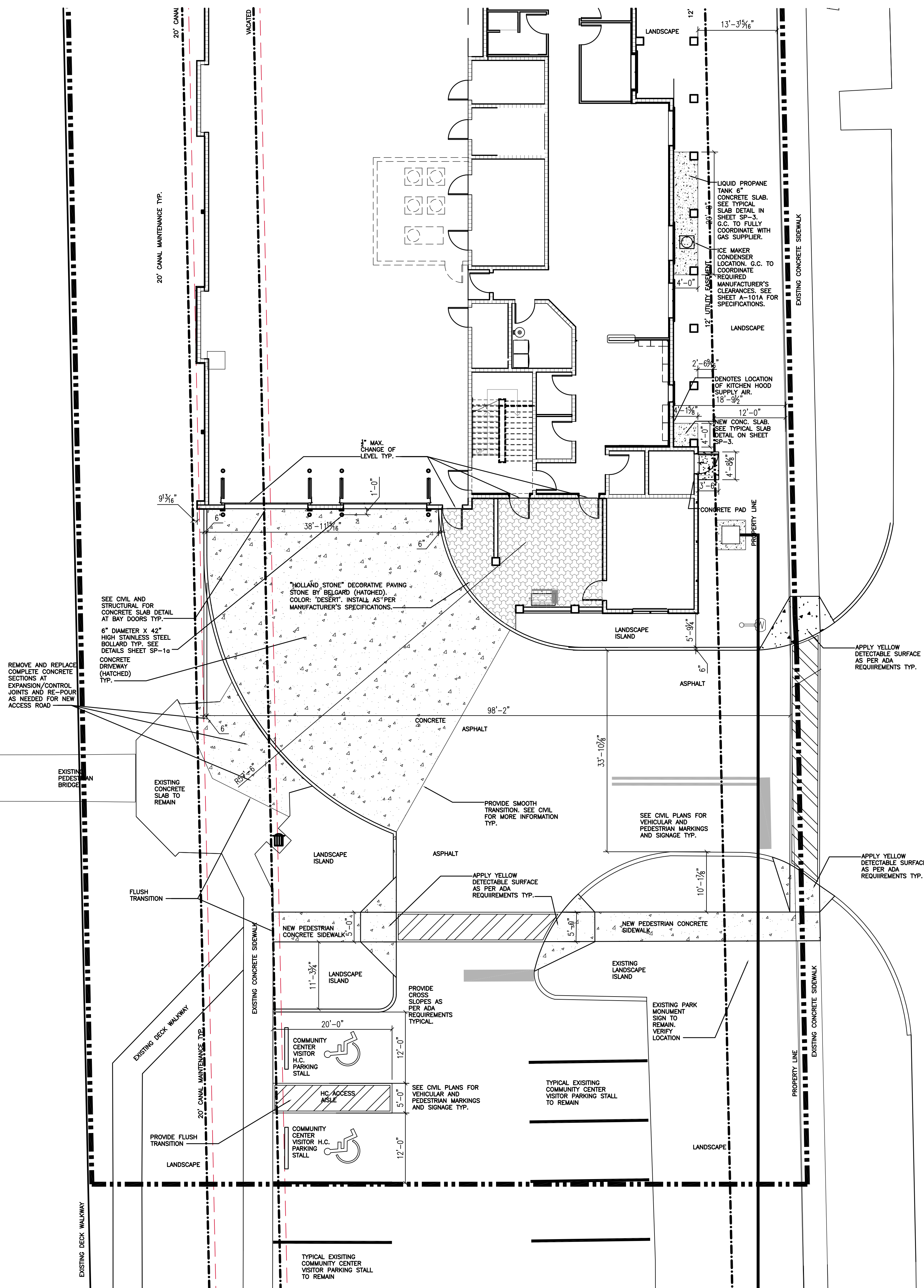
DRAWING TITLE:  
**ENLARGED  
SITE PLAN**

DRAWN  
CHECKED CPZ  
DATE  
SCALE AS NOTED  
PROJECT NO. 12208  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10,995  
STATE OF FLORIDA

**SP-1b**

DATE:



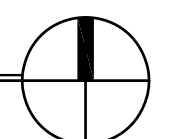
MODEL NO.	PEAKS	DEPTH
130-0	2	30\" LG.
130-3	3	57\" LG.
130-4	4	77\" LG.
130-5	5	97\" LG.

- SELECT DESIRED FINISH OPTION  
 COATED W/ ZINC-RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.  
 NOT DIPPED GALVANIZED.

- NOTES:**  
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
 2. DO NOT SCALE DRAWINGS.  
 3. 1/2\" x 3 3/4\" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTION S-2.  
 4. CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT [www.CADetails.com/info](http://www.CADetails.com/info) REFERENCE NUMBER 017-283.

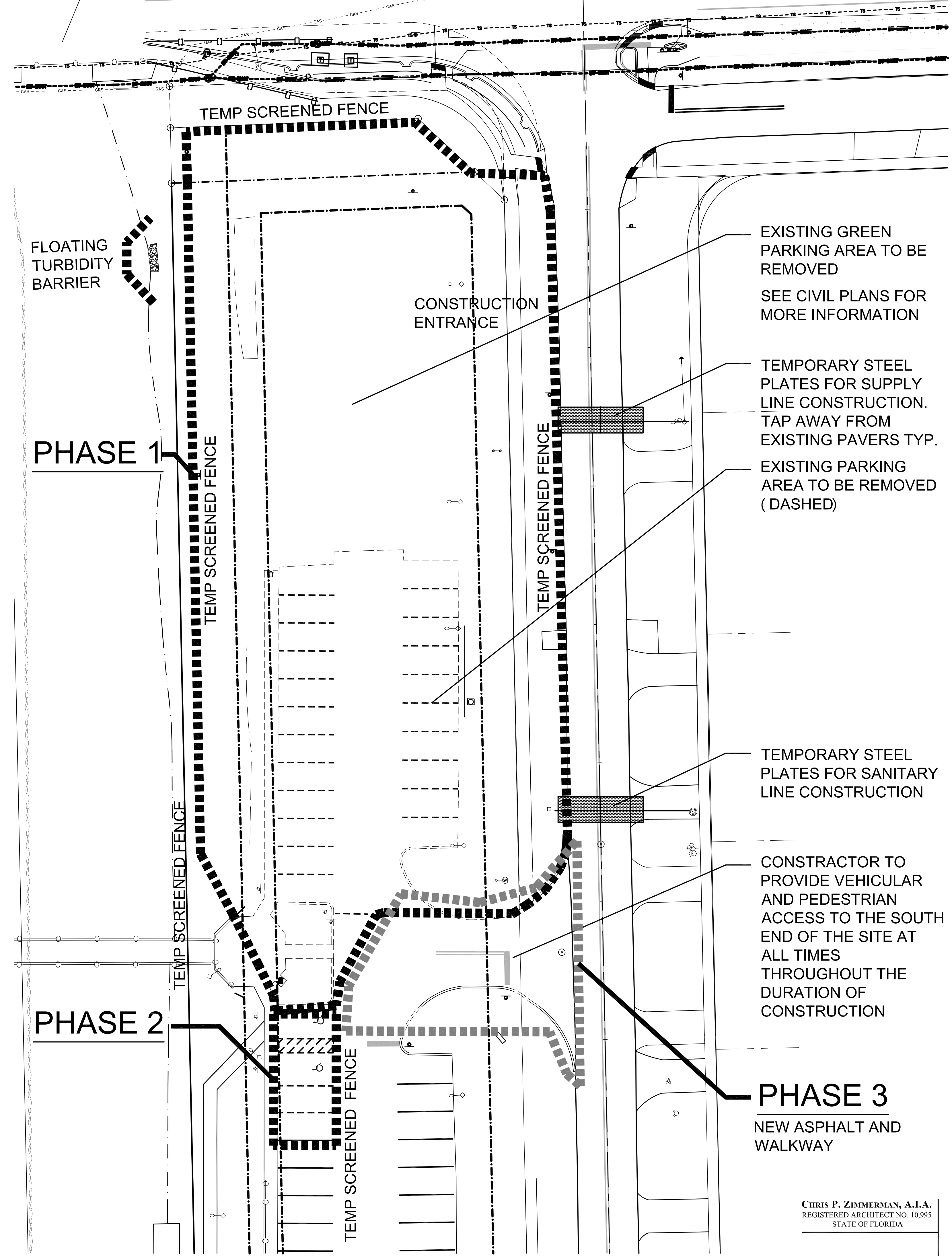
**130 SERIES BIKE RACKS**  
NOT TO SCALE

017-283



NO. REVISION	DATE
CONST ISSUE	11-03-14

CONSULTANT:



**PROPOSED NEW FIRE STATION 50  
NW 45 AVE.**  
4500 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8523 FAX: (954) 337-6399  
AA #5600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**PHASING  
PLAN**

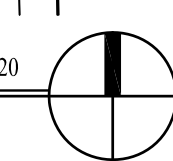
DRAWN	
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220B
SHEET:	

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10,995  
STATE OF FLORIDA

**SP-2**

**CONSTRUCTION PHASING & DEMOLITION PLAN**

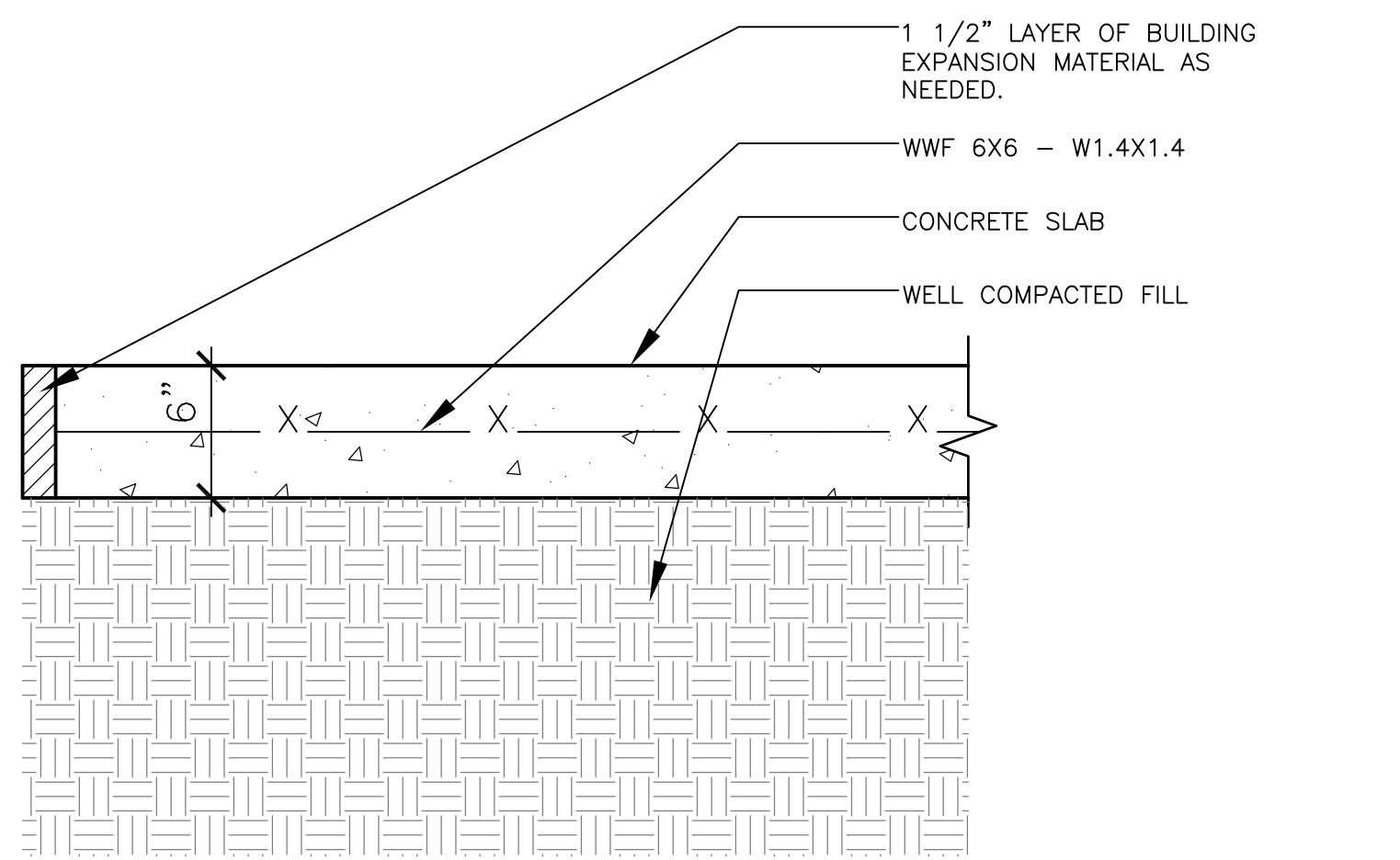
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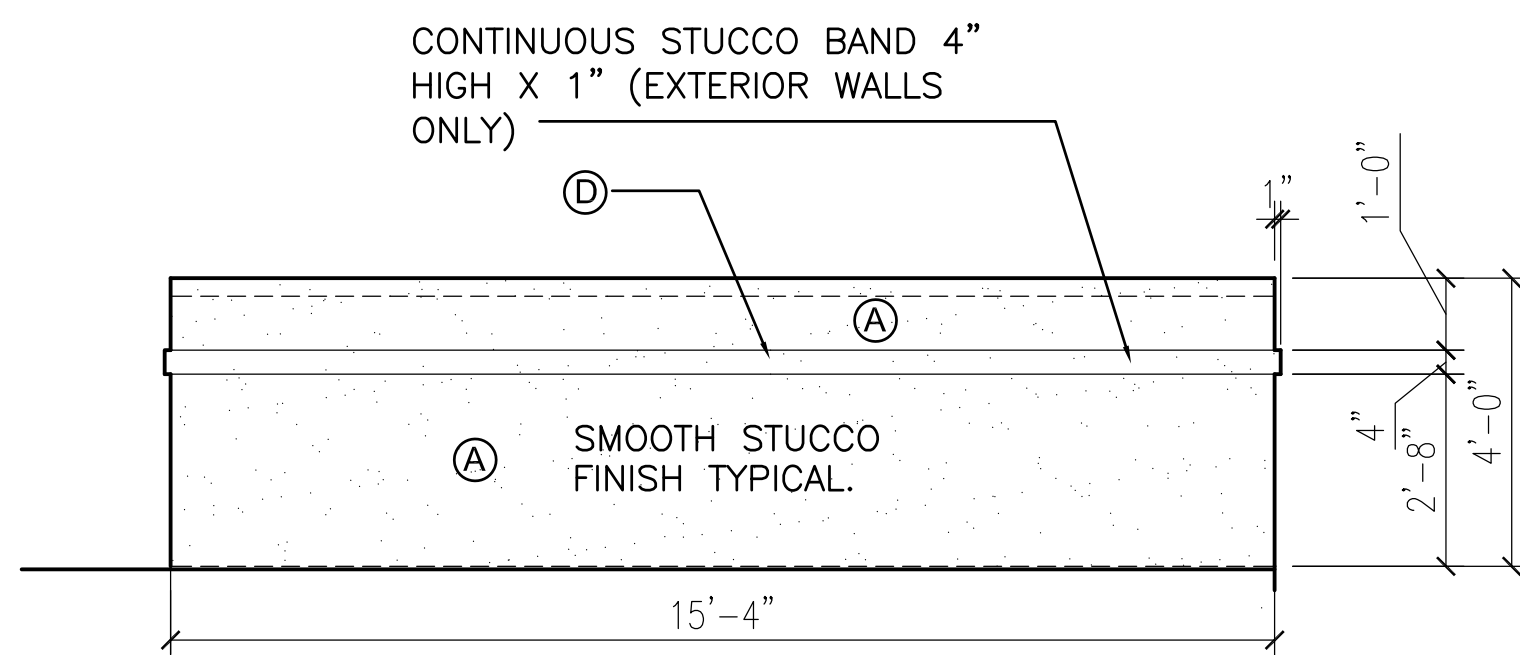
DATE:

**BUILDING COLORS AND DECORATIVE ELEMENTS:**

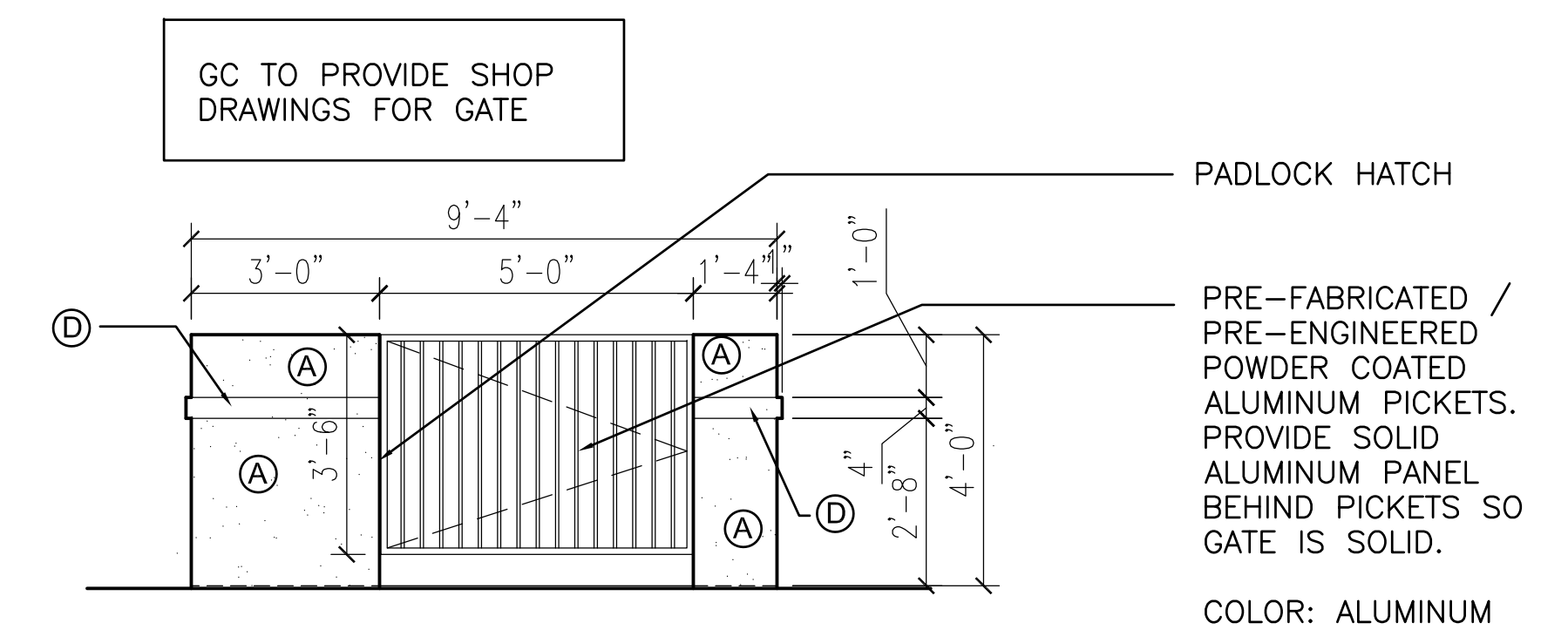
- A** MAIN COLOR  
SHERWIN WILLIAMS #SW: 127 IVORIE OR APPROVED EQUAL
- B** WINDOW FRAME COLOR (AS NOTED) FOUR FOLD DOORS & DOORS  
SHERWIN WILLIAMS #SW: 6866 HEARTTHROB OR APPROVED EQUAL
- C** WAINSCOT CAP & BRACKET STUCCO BAND COLOR  
SHERWIN WILLIAMS #SW: 7107 DORIAN GRAY OR APPROVED EQUAL
- D** FASCIA & STUCCO BANDS  
SHERWIN WILLIAMS #SW: 7006 EXTRA WHITE
- E** BAHAMA SHUTTERS (WILLARD SHUTTER COMPANY OR APPROVED  
EQUAL NOA #14-0129.12)  
SHERWIN WILLIAMS #SW: 7107 DORIAN GRAY
- F** BRICK VENEER  
MARION CERAMICS: HAVANNA RED #250 VEE-BRICK OR APPROVED EQUAL  
GROUT COLOR: #19 PEARL GRAY BY MAPEI
- G** METAL ROOFING  
ENGLERT OR APPROVED EQUAL COLOR TO BE PRE-WEATHERED GALVALUME  
SEE METAL ROOFING DETAILS ON SHEET A-106
- H** ROOFTOP EQUIPMENT LOUVER SCREENING  
INDUSTRIAL LOUVER OR APPROVED EQUAL NOA#13-0909.09
- J** GUTTER & DOWNSPOUT  
CONTRACTOR TO PROVIDE 6x6 SEAMLESS GALV. METAL CONDUCTOR HEAD  
GUTTER AND DOWNSPOUT TO MATCH METAL ROOFINGPANELS BY ENGLERT.  
(COLOR TO BE PRE-WEATHERED GALVALUME) SILICONE SEAL EXTERIOR OF  
ALL DOWNSPOUT JOINTS TO PROVIDE COMPLETE WATER TIGHT SEAL. INSTALL  
SUPPORT STRAPS NO MORE THAN 3'-0" C/C. PROVIDE CONCRETE SPLASH  
BLOCKS ORIENTED AWAY FROM THE FOUNDATION OF THE BUILDING.  
CONTRACTOR TO PROVIDE SHOP DRAWING & COLOR SAMPLE PRIOR TO  
FABRICATION FOR ARCHITECT'S REVIEW AND APPROVAL



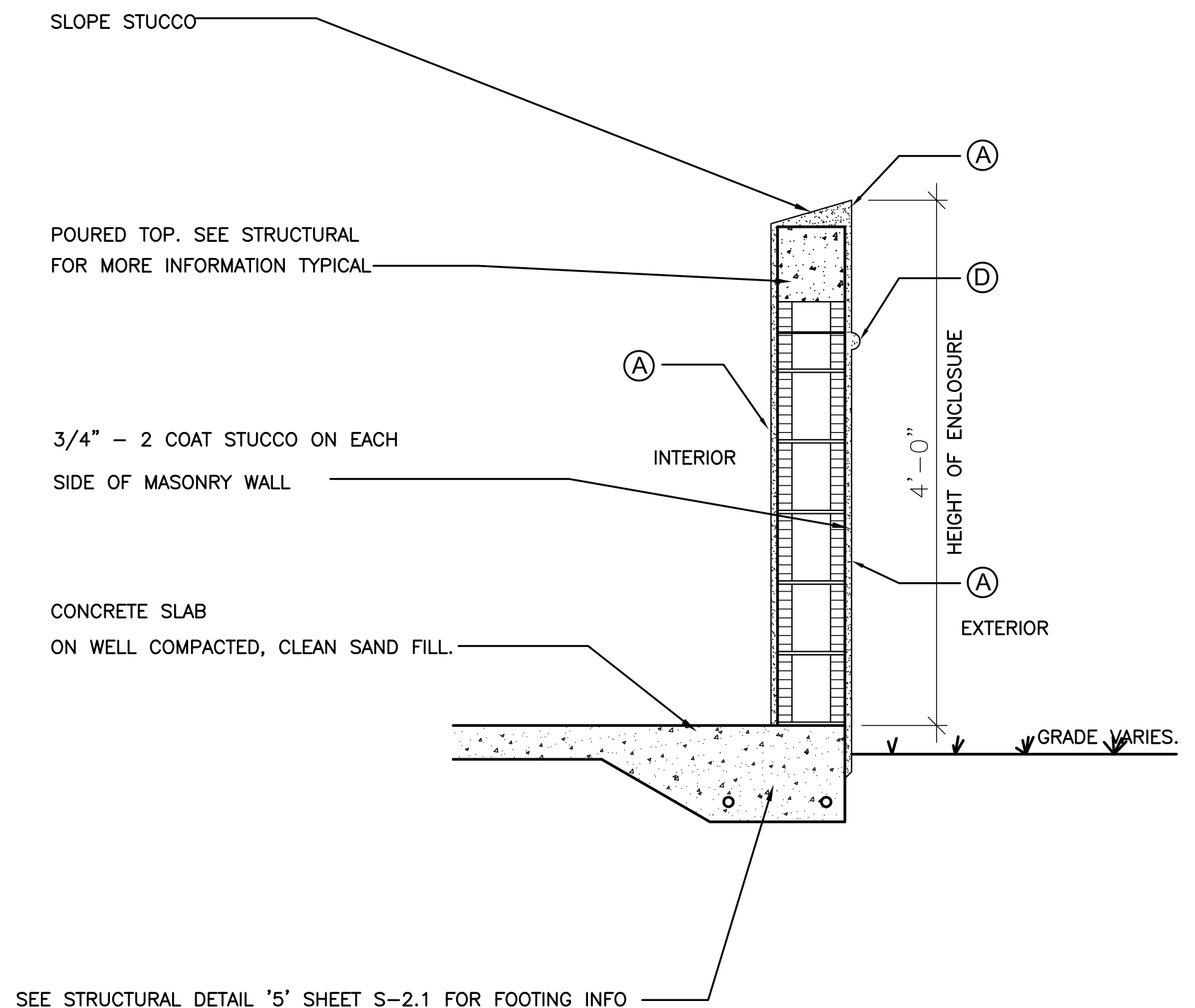
TYPICAL CONCRETE SLAB DETAIL SCALE: 1/2" = 1'-0"



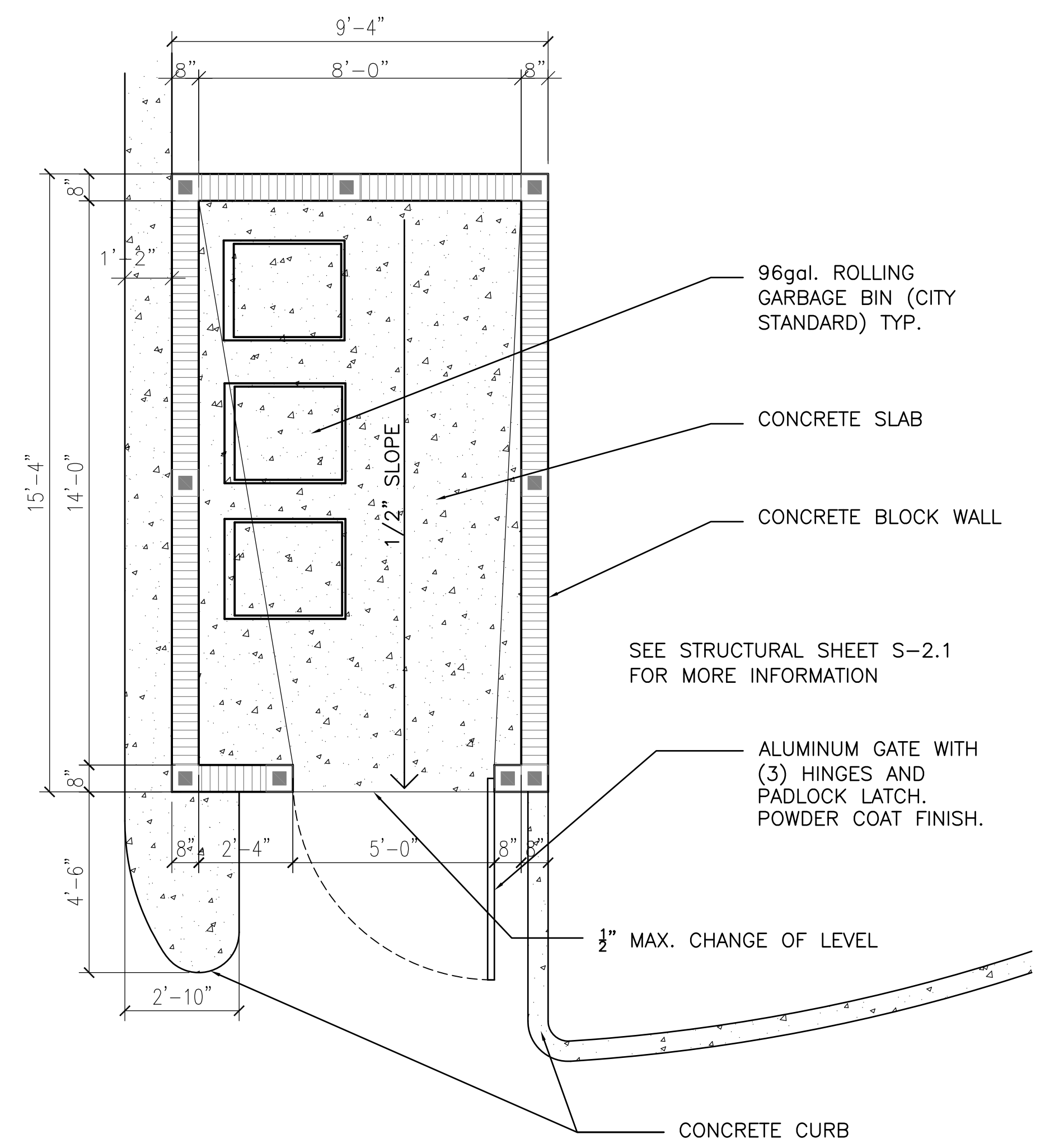
TYPICAL DUMPSTER ELEVATIONS



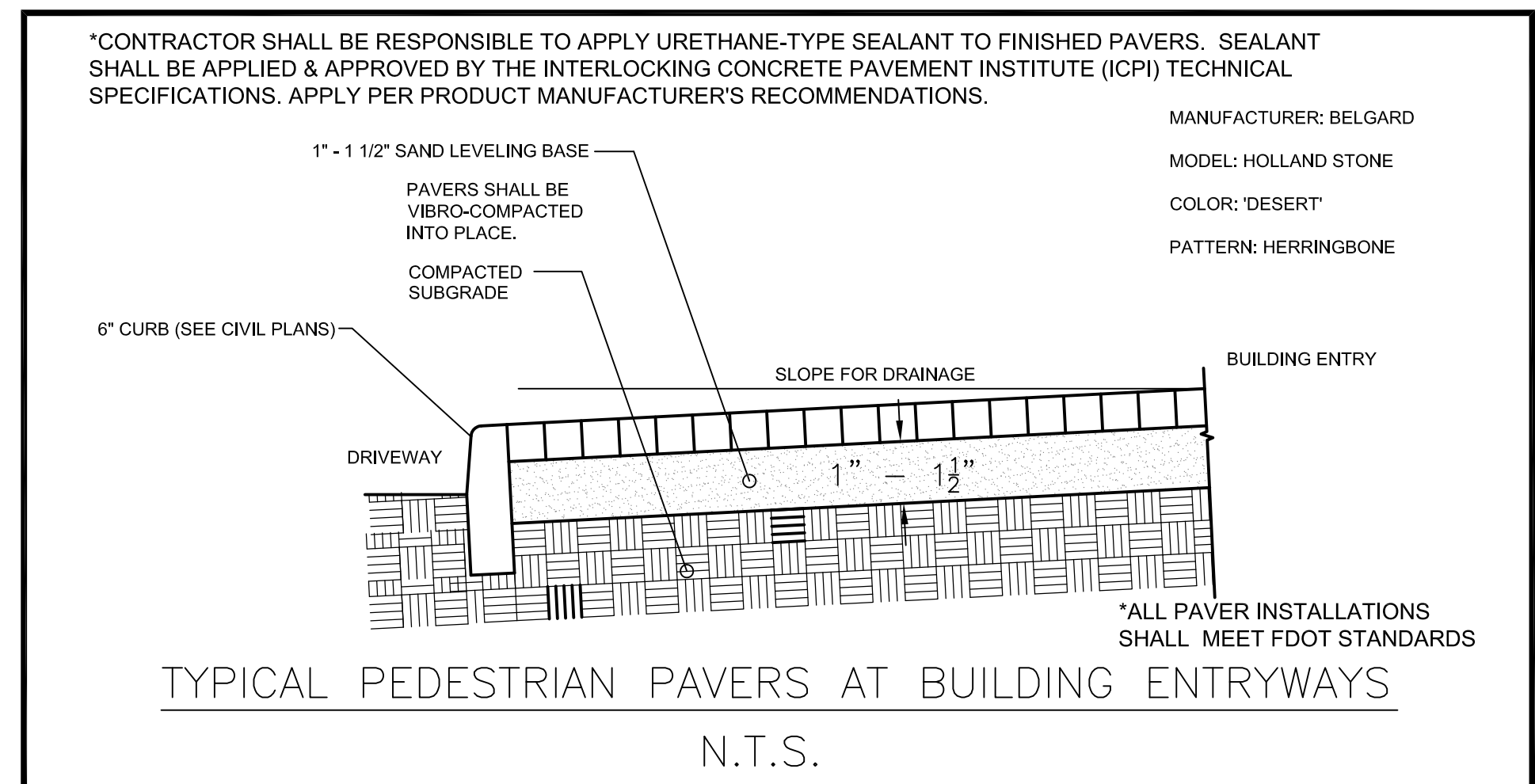
SCALE: 3/8" = 1'-0"



TYPICAL DUMPSTER WALL SECTION SCALE: 3/8" = 1'-0"



GARBAGE / RECYCLING BIN ENCLOSURE PLAN SCALE: 3/8" = 1'-0"



TYPICAL PEDESTRIAN PAVERS AT BUILDING ENTRYWAYS N.T.S.

PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0559  
 AA #26000685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
 DETAILS

DRAWN CP/GKP  
 CHECKED CPZ  
 DATE  
 SCALE AS NOTED  
 PROJECT NO. 1220B  
 SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

SP-3



# BOUNDARY AND TOPOGRAPHIC SURVEY

SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
SEE SHEET 3 OF 3 FOR TREE TABLE

### SURVEYOR'S REFERENCES:

- COCONUT CREEK PARKPLEX PLAT, RECORDED IN P.B. 173, PG. 65, B.C.R.
- EDGEFIELD 1st SECTION, RECORDED IN P.B. 49, PG. 31, B.C.R.
- FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP FOR S.R. 814 - COCONUT CREEK PARKWAY SECTION 56130-2506, LAST REVISED 8/22/89 BROWARD COUNTY.
- BROWARD COUNTY PROPERTY APPRAISER'S NETWORK, BROWARD OFFICIAL RECORDS PUBLIC SEARCH.

### ABBREVIATIONS

B.C.R.	BROWARD COUNTY RECORDS
O.R.B.	OFFICIAL RECORDS BOOK
P.B.	PLAT BOOK
PG.	PAGE
L.B.	LICENSED BUSINESS
S.R.	STATE ROAD
NVAL	NON-VEHICULAR ACCESS LINE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
ID.	IDENTIFICATION
PRM	PERMANENT REFERENCE MARKER
IRC	IRON ROD AND CAP
IP	IRON PIPE
U.E.	UTILITY EASEMENT
C.M.E.	CANAL MAINTENANCE EASEMENT
CL	CENTERLINE
MH	MANHOLE
R.E.	RIM ELEVATION
L.E.	INVERT ELEVATION
LI	LINE NUMBER 1 (SEE TABLE)
BH1	BOREHOLE NUMBER 1 (SEE TABLE)

### LEGEND

(Symbol)	GUY ANCHOR
(Symbol)	BACKFLOW PREVENTOR
(Symbol)	BORE HOLE
(Symbol)	METAL BENCH
(Symbol)	CATCH BASIN
(Symbol)	CONCRETE LIGHT POLE
(Symbol)	CONCRETE POLE
(Symbol)	FIRE HYDRANT
(Symbol)	GRILL
(Symbol)	STORM DRAINAGE MANHOLE
(Symbol)	SANITARY SEWER MANHOLE
(Symbol)	TELEPHONE MANHOLE
(Symbol)	WATER METER
(Symbol)	POST WITH PEDESTRIAN LIGHT
(Symbol)	TELEPHONE RISER
(Symbol)	TRASH CAN
(Symbol)	UTILITY MARKER
(Symbol)	WATER VALVE
(Symbol)	ELECTRIC WIRE PULL BOX
(Symbol)	STREET LIGHT WIRE PULL BOX
(Symbol)	TRAFFIC WIRE PULL BOX
(Symbol)	WIRE PULL BOX
(Symbol)	IRRIGATION PUMP
(Symbol)	TRANSFORMER OF CONCRETE PAD
(Symbol)	TELEPHONE CABINET ON CONCRETE PAD
(Symbol)	HANDICAP PARKING SPACE
(Symbol)	S REGULAR PARKING SPACES
(Symbol)	PALM TREE # 123 (SEE TREE TABLE)
(Symbol)	TREE # 124 (SEE TREE TABLE)
(Symbol)	SPOT ELEVATION
(Symbol)	CONTROL POINT (SEE TABLE)

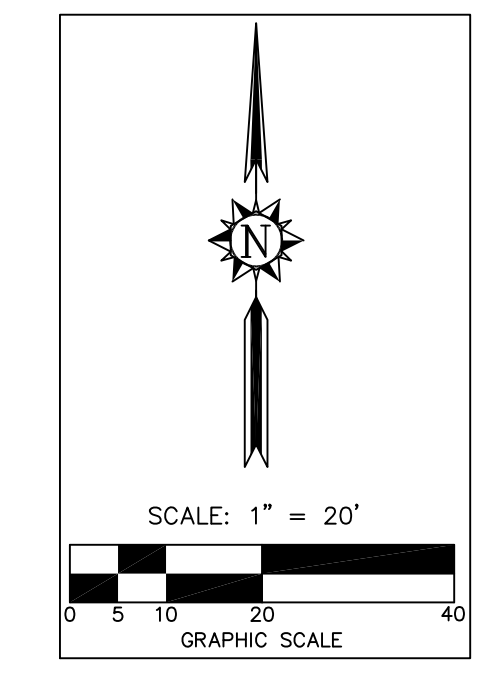
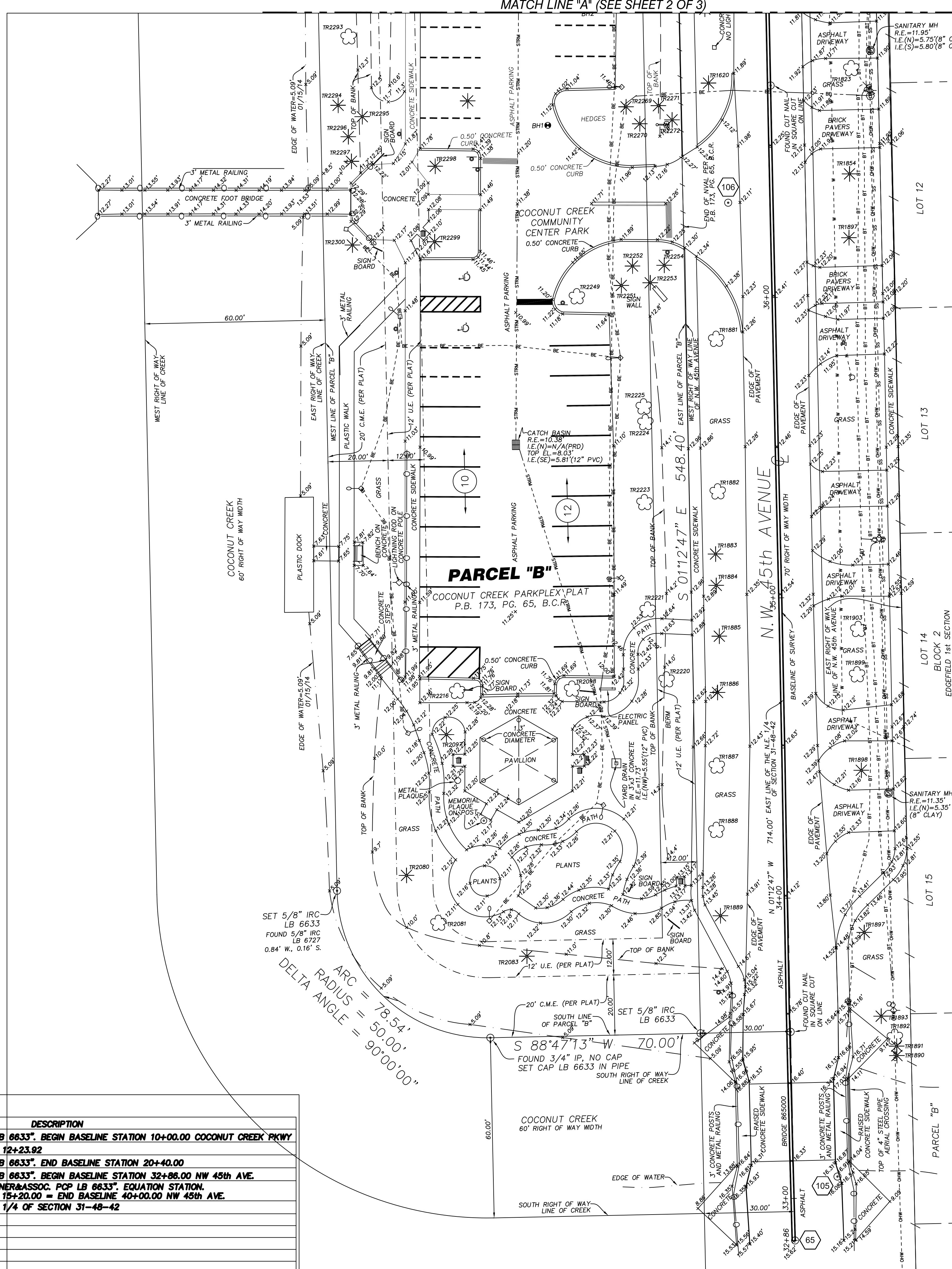
(Symbol)	NON-VEHICULAR ACCESS LINE
(Symbol)	OVERHEAD WIRES
(Symbol)	BURIED ELECTRIC
(Symbol)	BURIED FIBER OPTIC
(Symbol)	BURIED TELEPHONE
(Symbol)	BURIED TELEPHONE DUCT
(Symbol)	BURIED CABLE TELEVISION
(Symbol)	FORCE MAIN
(Symbol)	GAS
(Symbol)	BURIED GAS
(Symbol)	BURIED STREET LIGHT
(Symbol)	STORM DRAINAGE LINE
(Symbol)	TRAFFIC SIGNAL
(Symbol)	UNKNOWN LINE

#### BORE HOLES TABLE

BORE HOLE #	NORTHING	EASTING	ELEVATION
1	895125.84	923561.65	11.21
2	895184.97	923572.42	10.81
3	895218.21	923538.72	11.30
4	895264.95	923501.17	12.28
5	895367.08	923514.68	11.02
6	895285.71	923566.50	11.96
7	895401.40	923563.47	12.89
8	895308.09	923532.95	11.42
9	895507.51	923580.95	13.54

#### CONTROL POINTS TABLE

CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	895453.008	923109.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633" BEGN BASELINE STATION 10+00.00 COCONUT CREEK PKWY
63	895457.397	923332.987	N/A	FOUND BOAT SPIKE. BASELINE PI STATION 12+23.92
64	895487.784	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633" END BASELINE STATION 20+40.00
65	894754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633" BEGN BASELINE STATION 32+86.00 NW 45th AVE.
66	895468.415	923628.862	N/A	FOUND NAIL HOLE. SET NAIL & DISC "STONER&ASSOC. PCP LB 6633" EQUATION STATION, COCONUT CREEK PKWY BASELINE STATION 15+20.00 - END BASELINE 40+00.00 NW 45th AVE.
101	895477.948	923628.861	N/A	FOUND BOAT SPIKE. N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
104	895501.472	923627.992	13.95	SET NAIL & DISC "TRAV.PT. LB 6633"
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.PT. LB 6633"
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.PT. LB 6633"
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT



### LEGAL DESCRIPTION:

PARCELS "B" AND "D", COCONUT CREEK PARKPLEX PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 173, AT PAGE 65, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

### SURVEY NOTES:

- THIS SURVEY REPRESENTS A BOUNDARY AND TOPOGRAPHIC SURVEY AS DEFINED BY MINIMUM TECHNICAL STANDARDS FOR SURVEYING AND MAPPING, CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES.
- THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- THIS SURVEY IS LIMITED TO (1) THE DOCUMENTATION OF THE PERIMETER OF THE PARCELS OF LAND SHOWN HEREON BY MONUMENTING THE BOUNDARY LINES FOR THE PURPOSE OF DESCRIBING SAID PARCEL; (2) LOCATION OF ABOVE GROUND IMPROVEMENTS; (3) SPOT ELEVATIONS; (4) TREE SURVEY; (5) UNDERGROUND UTILITIES LOCATION (MARKED BY OTHERS).
- THE SURVEYED PROPERTY SHOWN HEREON CONTAINS A TOTAL AREA OF 1.5691 ACRES (68,350 SQUARE FEET). PARCEL "B" = 1.5234 ACRES (66,359 SQUARE FEET). PARCEL "D" = 0.0457 ACRES (1,991 SQUARE FEET).
- THE PROPERTY SHOWN HEREON IS LOCATED WITHIN FLOOD ZONE X, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NUMBER 1201100356H, COMMUNITY NUMBER 120031, CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA. MAP REVISED DATE: AUGUST 18, 2014.
- THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS HAVE BEEN PLOTTED AT THE CENTER OF THE FIELD LOCATION AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE.
- THE ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88), ESTABLISHED FROM BROWARD COUNTY ENGINEERING DIVISION BENCHMARK No. 0248, DESCRIBED AS FOLLOWS: SRD BRASS DISC IN MIDDLE OF SOUTH CONCRETE BRIDGE RAILING ON WEST SIDE OF BRIDGE. BRIDGE IS LOCATED 150' (+ OR -) WEST OF N.W. 45th AVENUE AND COCONUT CREEK PARKWAY. ELEVATION = 17.828'.
- BEARINGS AND DISTANCES SHOWN HEREON ARE PER COCONUT CREEK PARKPLEX PLAT, RECORDED IN PLAT BOOK 173, PAGE 65, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, SAID BEARINGS ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATES SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
- WHEEL STOPS, GROUND COVERAGE, SPRINKLER HEADS AND IRRIGATION WIRE PULL BOXES WERE NOT LOCATED AND ARE NOT SHOWN HEREON.
- FENCES, RAILINGS, BARRIER WALLS AND WALL DIMENSIONS ARE APPROXIMATE.
- THE INFORMATION DEPICTED ON THIS SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS A REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SURVEYOR DID NOT INSPECT THE PROPERTY SHOWN HEREON FOR ENVIRONMENTAL HAZARDS.
- THE STORM DRAINAGE AND SANITARY SEWER AS-BUILT DATA SHOWN HEREON WAS COLLECTED FOR ENGINEERING DESIGN PURPOSES ONLY. THE AS-BUILT DATA IS LIMITED TO RIM ELEVATIONS ONLY. THE CONNECTIONS BETWEEN STRUCTURES WAS OBTAINED BY VISUAL OBSERVATIONS WITHOUT REMOVING THE LIDS. WERE NOT INSPECTED AND THE CONDITION OF THE PIPES WAS NOT DETERMINED. CRITICAL ELEVATIONS AND DIMENSIONS SHOULD BE VERIFIED WITH THE FACILITIES PUMPED DOWN AND CLEANED OUT TO FACILITATE ACCURATE COLLECTION OF AS-BUILT DATA. THE SIZE AND TYPE OF PIPES SHOULD BE OBTAINED AND CONFIRMED BEFORE ORDERING REPLACEMENT PIPES OR CONNECTING PIPES.
- BOREHOLES WERE LOCATED DURING THE PROCESS OF THE SURVEY AT LOCATIONS WERE RECENT GEOTECHNICAL WORK HAS BEEN PERFORMED. A FINAL SKETCH OF BOREHOLES LOCATIONS WAS NOT SUPPLIED TO SURVEYOR AT TIME OF SURVEY.
- UNDERGROUND UTILITIES WERE MARKED ON THE SURFACE BY KEITH & ASSOCIATES, INC., CONSULTING ENGINEERS AND LOCATED BY STONER & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE IDENTIFICATION OR ACCURACY OF UNDERGROUND UTILITIES.
- THIS FIRM HAS IDENTIFIED VARIOUS TYPES OF TREES LOCATED ON THIS SITE BASED ON COMMON KNOWLEDGE OF TREE SPECIES. A QUALIFIED LANDSCAPE ARCHITECT SHOULD BE EMPLOYED FOR POSITIVE IDENTIFICATION OF TREE SPECIES. TREE DIAMETERS ARE APPROXIMATE AND WERE MEASURED AT BREST HEIGHT. ONLY TREES 3 CALIPER INCHES IN DIAMETER OR LARGER WERE LOCATED AND SHOWN ON THE SURVEY. HEDGES AND GROUND COVER WERE NOT LOCATED AND ARE NOT SHOWN. EXOTIC TREES SUCH AS MELALEUCA, BRAZILIAN PEPPER AND AUSTRALIAN PINE WERE NOT LOCATED OR SHOWN HEREON.
- THIS SURVEY IS LIMITED TO THE LOCATION OF ABOVE GROUND IMPROVEMENTS ONLY. SUBSURFACE UTILITIES, FOUNDATIONS AND ENCROACHMENTS WERE NOT LOCATED AND ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION OR EXCAVATION, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (811 OR 1-800-432-4770) AND THE APPROPRIATE UTILITY COMPANIES FOR FINE VERIFICATION OF UTILITIES.
- STONER & ASSOCIATES, INC., DID NOT SEARCH THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.
- THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY STONER & ASSOCIATES, INC. (S&A). S&A HAS TAKEN ALL REASONABLE STEPS TO ENSURE THE ACCURACY OF THIS DOCUMENT. WE CANNOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL IF APPLICABLE) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. S&A MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT S&A DIRECTLY FOR VERIFICATION OF ACCURACY.
- ADDITIONS OR DELETIONS TO THIS SURVEY MAP BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- THE VERTICAL AND HORIZONTAL POSITIONAL ACCURACY OF WELL DEFINED IMPROVEMENTS ON THIS SURVEY IS ±0.10'.
- THIS SURVEY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1/20 OR SMALLER.
- CURRENT PROPERTY OWNER: CITY OF COCONUT CREEK. BROWARD COUNTY PROPERTY APPRAISER PARCEL ID # 4821-31-32-0020 (PARCEL "B") AND 4842-31-32-0040 (PARCEL "D")
- THE DESCRIPTION OF THE SUBJECT PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE WITH NO GORES, GAPS, OVERLAYS OR HIATUS.

### CERTIFIED TO:

CPZ ARCHITECTS, INC.

### SURVEYOR'S CERTIFICATE:

THIS IS TO CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS BOUNDARY SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

### DATE:

WALTER DE LA ROCHA  
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081  
STATE OF FLORIDA  
STONER AND ASSOCIATES, INC. LB. 6633  
wdelarocha@stonersurveyors.com

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

NO. REVISION DATE  
CONSTRUCTION 11-3-14  
ISSUE SET

CONSULTANT:  
CPZ ARCHITECTS, INC.

CPZ & Associates, Inc.  
Consulting Engineers and Planners  
Florida Authorization # 0008245  
101 NW 45th Ave., Suite 201  
Coconut Creek, FL 33433  
Phone: (954) 549-5359  
Fax: (954) 549-5359  
www.cpzarchitects.com

PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525 FAX: (954) 337-0359  
AA 12600685 WWW.CPZARCHITECTS.COM



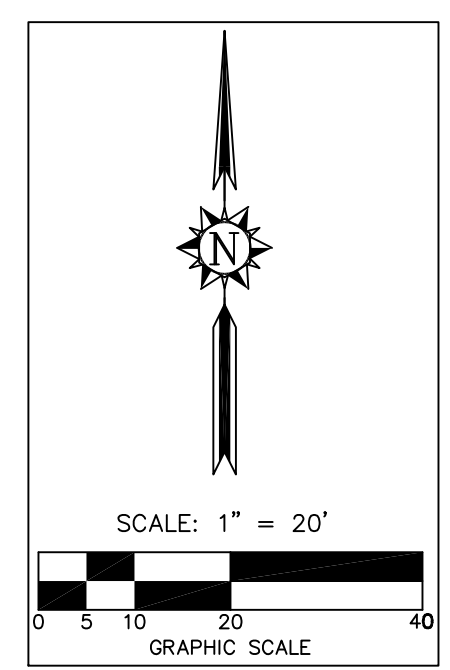
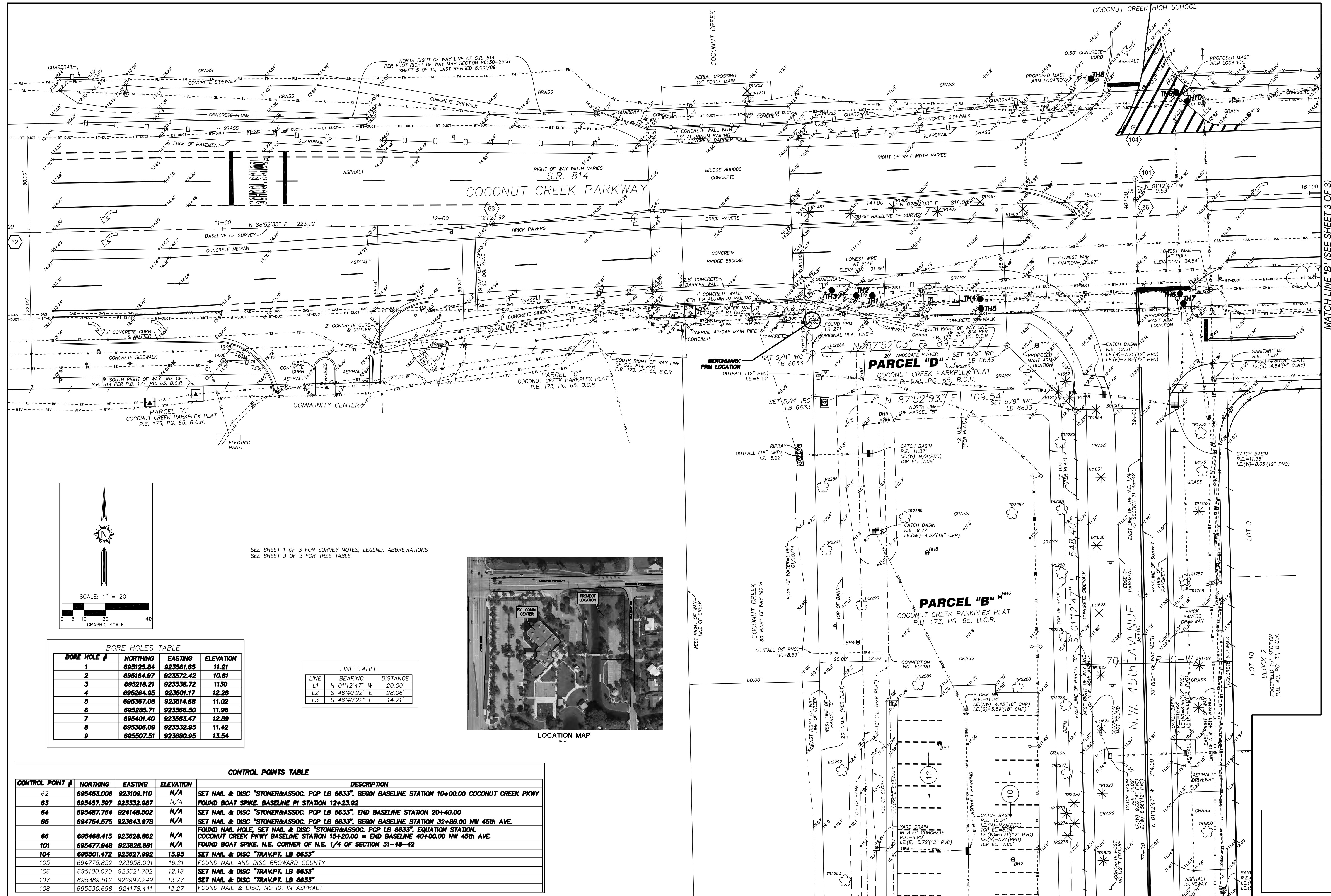
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DRAWN C.E.O.  
CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:



# BOUNDARY AND TOPOGRAPHIC SURVEY

NO. REVISION DATE  
CONSTRUCTION 11-3-14  
ISSUE SET



SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
SEE SHEET 3 OF 3 FOR TREE TABLE



**BORE HOLES TABLE**

BORE HOLE #	NORTHING	EASTING	ELEVATION
1	695125.84	923561.65	11.21
2	695164.97	923572.42	10.81
3	695218.21	923538.72	11.30
4	695264.95	923501.17	12.28
5	695367.08	923514.68	11.02
6	695285.71	923566.50	11.96
7	695401.40	923583.47	12.89
8	695306.09	923532.95	11.42
9	695507.51	923680.95	13.54

**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 01°12'47" W	20.00'
L2	S 46°40'22" E	28.06'
L3	S 46°40'22" E	14.71'

**CONTROL POINTS TABLE**

CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	695453.006	923109.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 10+00.00 COCONUT CREEK PKWY
63	695457.397	923332.987	N/A	FOUND BOAT SPIKE, BASELINE PI STATION 12+23.92
64	695487.784	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". END BASELINE STATION 20+40.00
65	694754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 32+86.00 NW 45th AVE.
66	695468.415	923628.862	N/A	FOUND NAIL HOLE, SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". EQUATION STATION, COCONUT CREEK PKWY BASELINE STATION 15+20.00 = END BASELINE 40+00.00 NW 45th AVE.
101	695477.948	923628.861	N/A	FOUND BOAT SPIKE, N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
104	695501.472	923627.992	13.95	SET NAIL & DISC "TRAV.PT. LB 6633"
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.PT. LB 6633"
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.PT. LB 6633"
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT

MATCH LINE "B" (SEE SHEET 3 OF 3)

MATCH LINE "A" (SEE SHEET 1 OF 3)

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

**PROPOSED NEW FIRE STATION 50  
NW 45 AVE.**  
 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
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 AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**SURVEY**

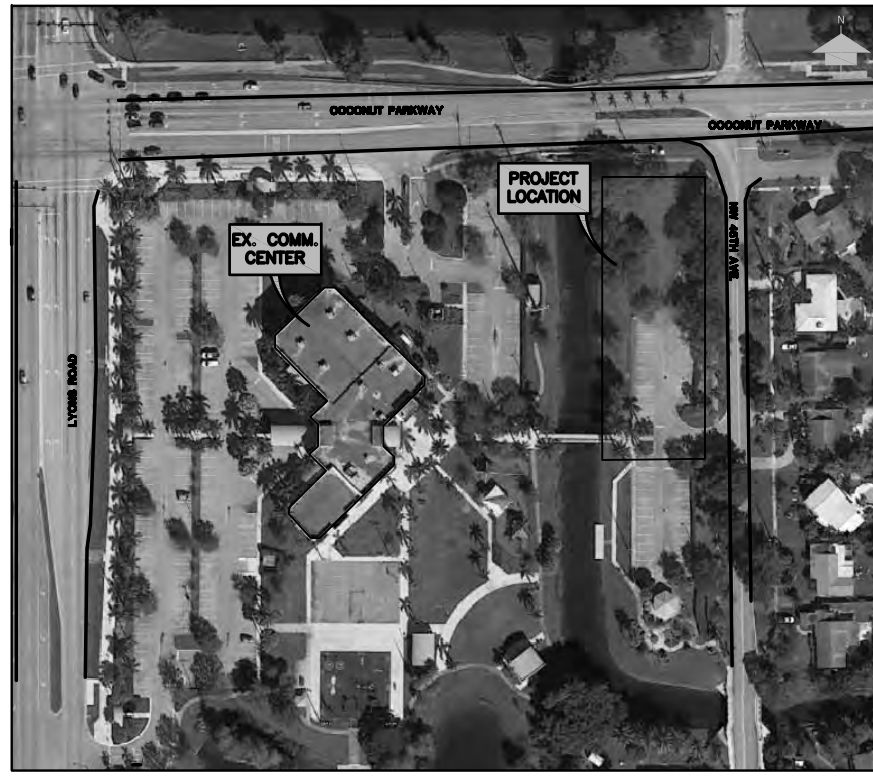
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CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:

**G-3**

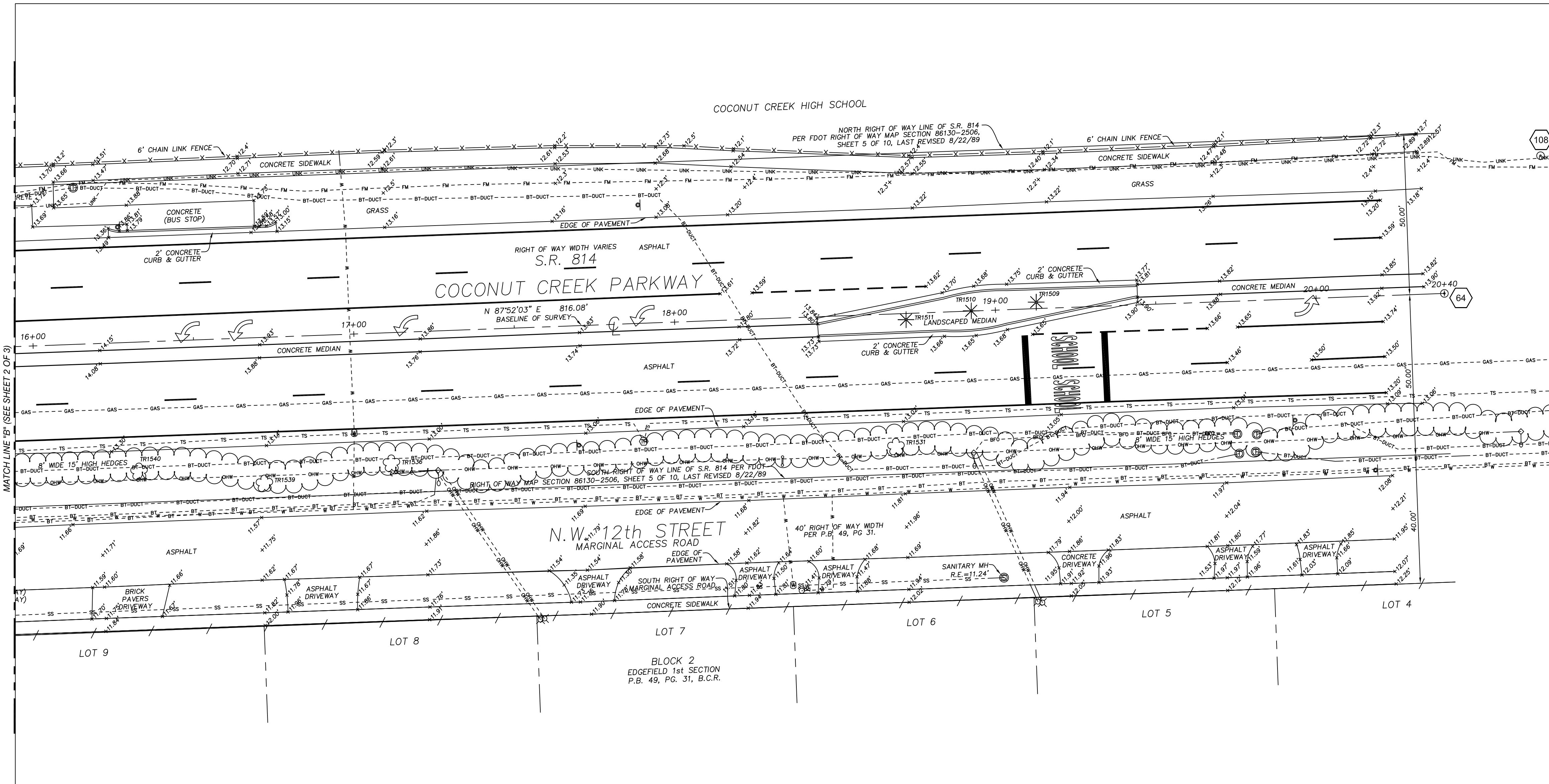
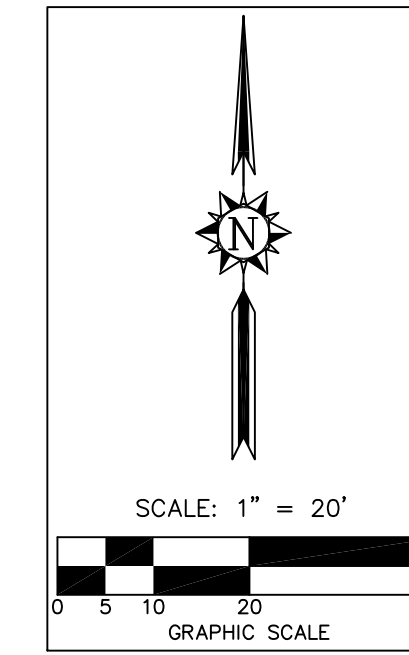
DATE:

G-2.-3.-4.DWG

# BOUNDARY AND TOPOGRAPHIC SURVEY



LOCATION MAP  
N.T.S.



TREE ID #	DESCRIPTION	TRUNK DBH	HEIGHT
1221	PALM	12"	
1222	PALM	12"	
1223	ACACIA	24"	
1483	SOLITARY PALM	4"	15'
1484	SOLITARY PALM	4"	14'
1485	SOLITARY PALM	4"	14'
1486	SOLITARY PALM	4"	15'
1487	SOLITARY PALM	4"	15'
1488	SOLITARY PALM	4"	14'
1508	SOLITARY PALM	4"	14'
1510	SOLITARY PALM	4"	14'
1511	SOLITARY PALM	4"	14'
1531	BOTTLE BRUSH	16"	
1536	YELLOW TABEBUIA	12"	
1539	YELLOW TABEBUIA	12"	
1540	YELLOW TABEBUIA	12"	
1554	PALM	12"	7'
1555	CABBAGE PALM	12"	15'
1556	CABBAGE PALM	11"	18'
1557	CABBAGE PALM	15"	16'
1620	PALM	12"	8'
1622	PALM	12"	8'
1623	PALM	12"	8'
1624	PALM	12"	8'
1627	PALM	12"	7'
1628	PALM	12"	8'
1630	PALM	12"	8'
1631	PALM	12"	7'
1750	PINK TABEBUIA	9"	
1751	PINK TABEBUIA	7"	
1752	PALM	12"	4'
1757	MAPLE	8"	
1758	MAPLE	8"	
1769	PALM	24"	4'
1770	PALM	24"	4'
1800	YELLOW TABEBUIA	15"	
1823	UNKNOWN	18"	
1854	PALM	12"	6'
1855	PALM	12"	6'
1881	BLACK OLIVE	24"	6'
1882	BLACK OLIVE	16"	
1883	PALM	12"	7'
1884	PALM	12"	7'
1885	PALM	12"	5'
1886	PALM	12"	8'
1887	UNKNOWN	8"	
1888	UNKNOWN	8"	
1889	ROYAL PALM	16"	16"
1890	CABBAGE PALM	12"	11'
1891	CABBAGE PALM	12"	12'
1893	CABBAGE PALM	12"	13'
1897	PALM	12"	4'
1898	PALM	8"	4'
1899	BLACK OLIVE	24"	4'
1903	BLACK OLIVE	24"	
2080	CABBAGE PALM	12"	21'
2081	UNKNOWN	6"	
2083	CABBAGE PALM	9.00	9'
2097	CABBAGE PALM	12"	18'
2098	UNKNOWN	12"	
2216	LIGUSTRUM	9"	
2220	OAK	15"	
2221	UNKNOWN	3"	
2223	UNKNOWN	3"	
2224	BLACK OLIVE	3"	
2225	UNKNOWN	3"	
2249	UNKNOWN	12"	
2251	CABBAGE PALM	12"	19'
2252	CABBAGE PALM	12"	15'
2253	CABBAGE PALM	12"	13'
2254	CABBAGE PALM	12"	15'
2269	CABBAGE PALM	12"	17'
2270	CABBAGE PALM	12"	15'
2271	CABBAGE PALM	10"	13'
2272	CABBAGE PALM	12"	13'
2273	CABBAGE PALM	14"	18'
2274	CABBAGE PALM	12"	13'
2275	CABBAGE PALM	10"	17'
2276	CABBAGE PALM	14"	18'
2277	OAK	20"	
2278	OAK	20"	
2279	OAK	16"	
2280	OAK	20"	
2281	OAK	18"	
2282	OAK	18"	
2283	UNKNOWN	12"	
2284	FIGUS	60"	
2285	OAK	22"	
2286	UNKNOWN	10"	
2287	UNKNOWN	10"	
2288	UNKNOWN	10"	
2289	UNKNOWN	8"	
2290	OAK	22"	
2291	OAK	20"	
2292	OAK	10"	
2293	OAK	8"	
2294	CABBAGE PALM	10"	16'
2295	CABBAGE PALM	10"	19'
2296	CABBAGE PALM	10"	18'
2297	ROYAL PALM	16"	17'
2298	ROYAL PALM	16"	18'
2299	ROYAL PALM	16"	14'
2300	ROYAL PALM	24"	20'

DBH = DIAMETER AT BREAST HEIGHT

CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	695453.006	923108.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 10+00.00 COCONUT CREEK PKWY
63	695457.397	923332.987	N/A	FOUND BOAT SPIKE, BASELINE PI STATION 12+23.92
64	695487.784	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". END BASELINE STATION 20+40.00
65	694754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 32+86.00 NW 45th AVE.
66	695468.415	923628.862	N/A	FOUND NAIL HOLE, SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". EQUATION STATION, COCONUT CREEK PKWY BASELINE STATION 15+20.00 = END BASELINE 40+00.00 NW 45th AVE.
101	695477.948	923628.661	N/A	FOUND BOAT SPIKE, N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
104	695501.472	923627.992	13.95	SET NAIL & DISC "TRAV.PT. LB 6633"
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.PT. LB 6633"
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.PT. LB 6633"
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT

BORE HOLE #	NORTHING	EASTING	ELEVATION
1	695125.84	923561.65	11.21
2	695164.97	923572.42	10.81
3	695218.21	923538.72	11.30
4	695264.95	923501.17	12.28
5	695367.08	923514.68	11.02
6	695285.71	923566.50	11.96
7	695401.40	923583.47	12.89
8	695308.09	923532.95	11.42
9	695507.51	923600.95	13.54

SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
SEE SHEET 3 OF 3 FOR TREE TABLE

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

NO. REVISION DATE  
CONSTRUCTION 11-3-14  
ISSUE SET



PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

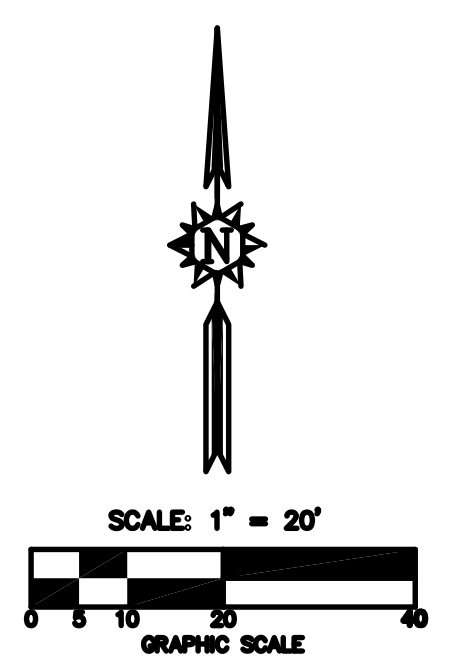
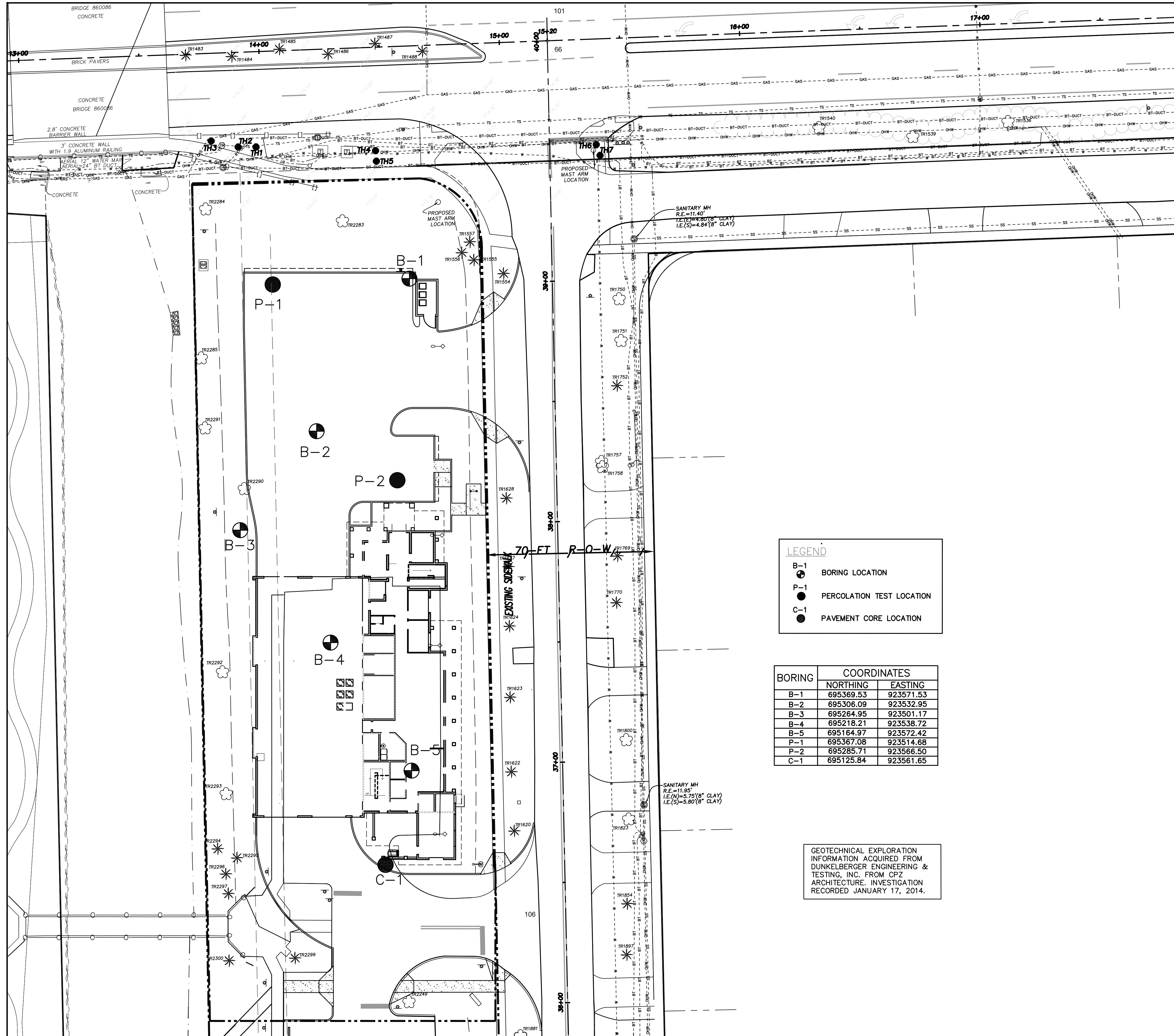
CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8825 FAX: (954) 337-0359  
AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**SURVEY**  
DRAWN C.E.O.  
CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNR-1018  
SHEET:

G-4

DATE:



**LEGEND**

- BORING LOCATION
- PERCOLATION TEST LOCATION
- PAVEMENT CORE LOCATION

BORING	COORDINATES	
	NORTHING	EASTING
B-1	695369.53	923571.53
B-2	695306.09	923532.95
B-3	695264.95	923501.17
B-4	695218.21	923538.72
B-5	695164.97	923572.42
P-1	695367.08	923514.68
P-2	695285.71	923566.50
C-1	695125.84	923561.65

GEOTECHNICAL EXPLORATION INFORMATION ACQUIRED FROM DUNKELBERGER ENGINEERING & TESTING, INC. FROM CPZ ARCHITECTURE. INVESTIGATION RECORDED JANUARY 17, 2014.



**CRJ & Associates, Inc.**  
Consulting Engineers and Planners  
Florida Authorization # 0008245  
14000 W. BOWLING GREEN BLVD., SUITE 200  
FORT LAUDERDALE, FL 33309

**PROPOSED NEW FIRE STATION 50  
NW 45 AVE.**  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

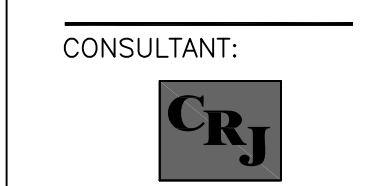
**CPZ ARCHITECTS, INC.**  
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PLANTATION, FLORIDA 33317  
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DRAWING TITLE:  
**BORING LOCATION PLAN**

DRAWN C.E.O.  
CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:

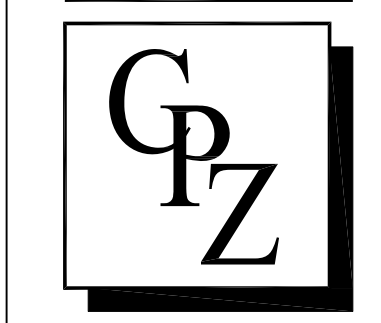
MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA



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PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

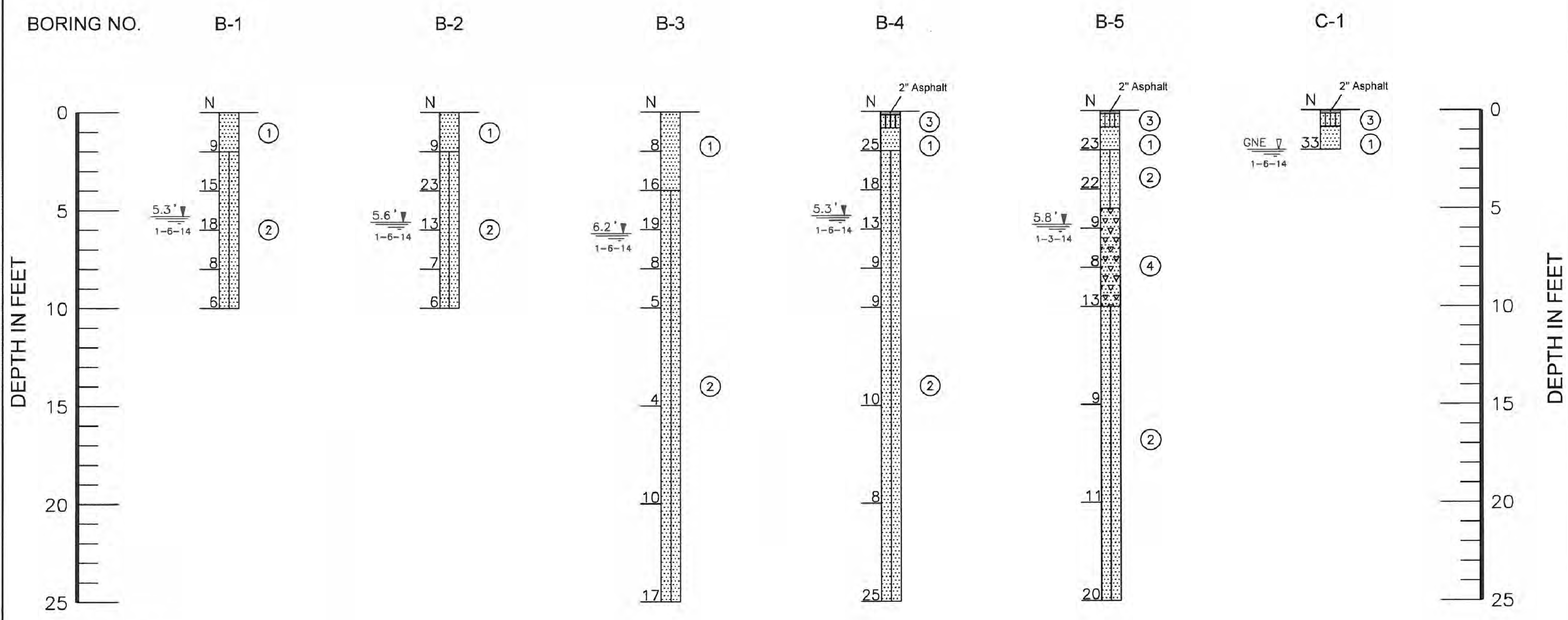
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 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
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DRAWING TITLE:  
**SOIL BORING PROFILES**  
 DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE N.T.S.  
 PROJ. NO. CNK-101B  
 SHEET:

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

G-6



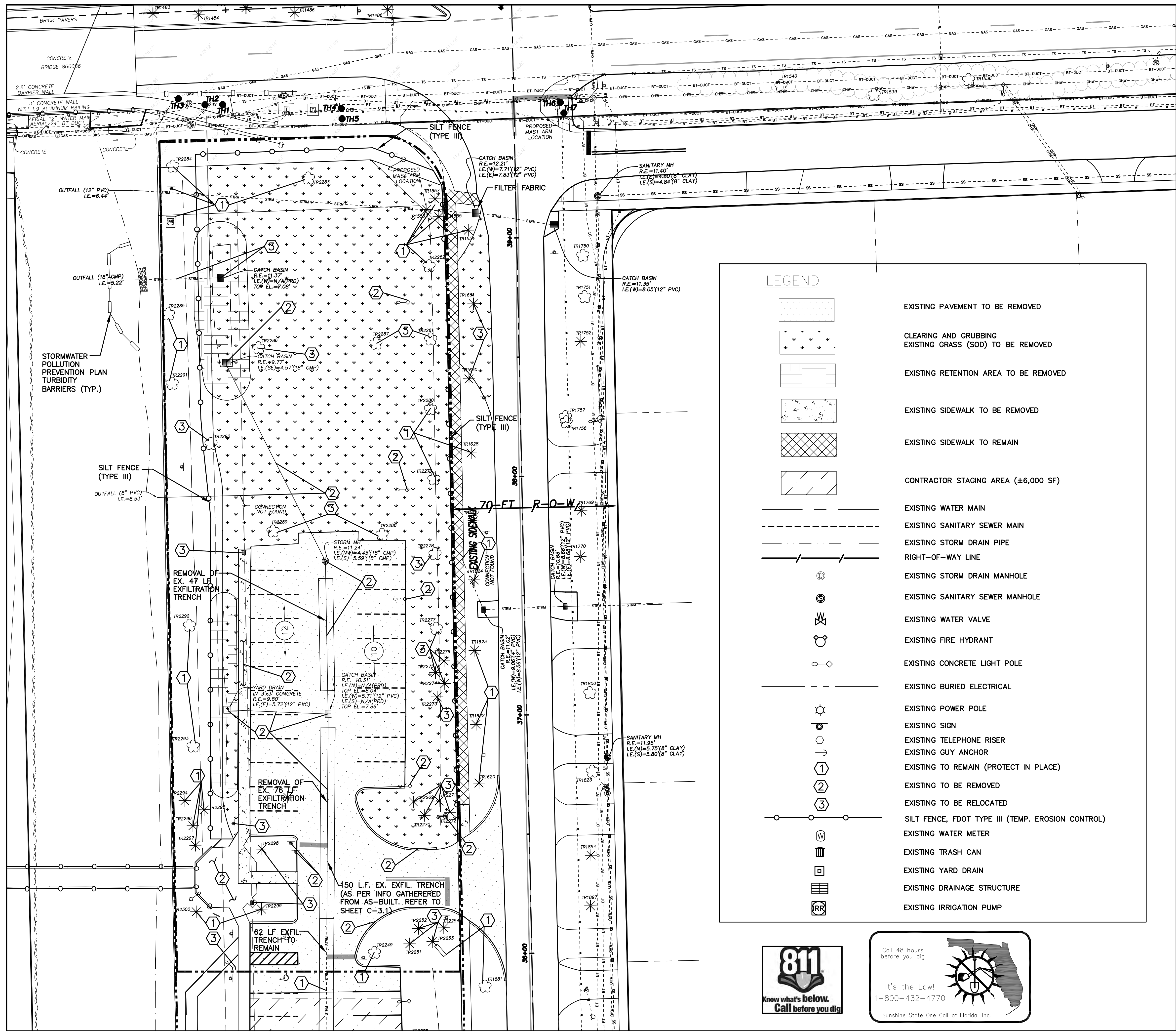
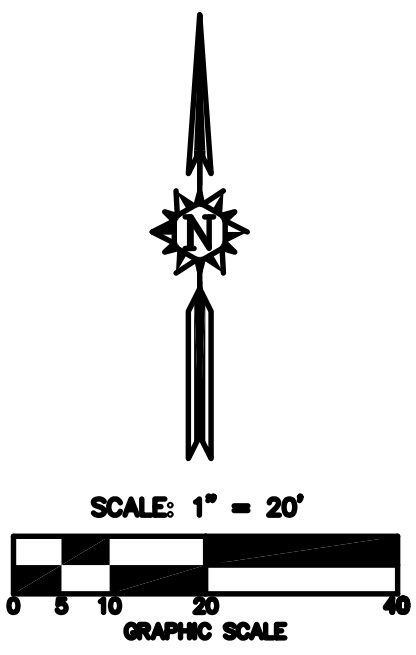
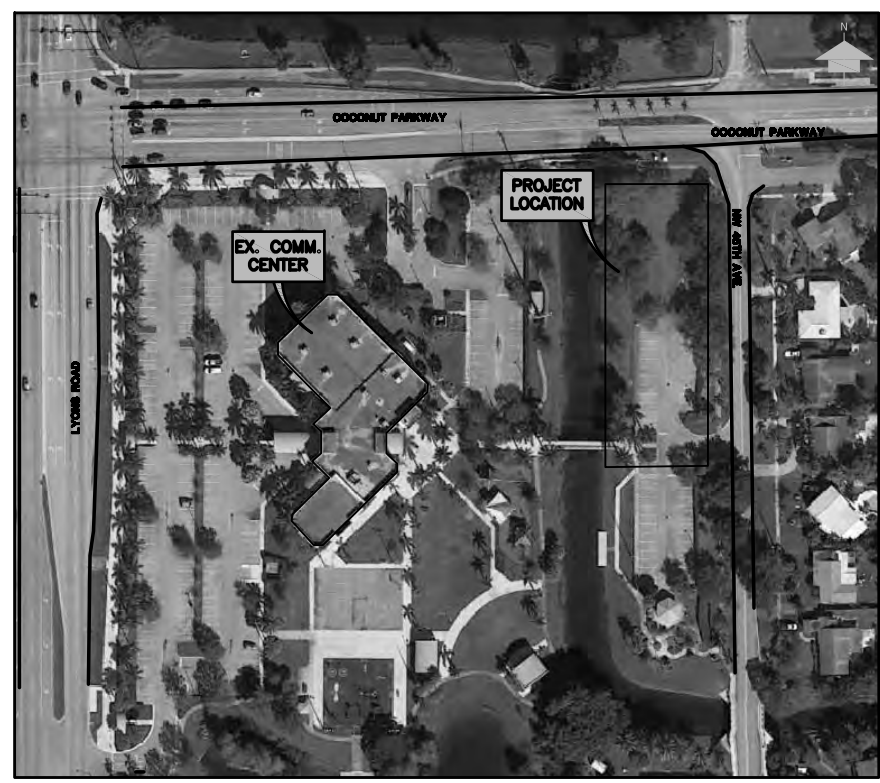
**LEGEND**

- ① Brown and light brown fine SAND, trace limestone fragments, trace silt (SP)
- ② Brown, light brown and orange brown fine SAND, trace silt (SP)
- ③ Brown and light brown SAND with limestone fragments (GP) (Aggregate Base Course)
- ④ Brown and light brown fine SAND, trace to little limestone fragments, trace silt (SP)
- N - Indicates the number of blows of a 140 pound hammer, freely falling a distance of 30 inches, required to drive a 2-inch diameter sampler 12 inches (ASTM D 1586)
- B-1 - Standard Penetration Test (SPT) boring and number
- C-1 - Pavement core and number
- 5.3' 1-6-14 - Depth of groundwater (feet) & date measured
- GNE 1-6-14 - Groundwater not encountered
- SP - Unified Soil Classification System Group Symbol (ASTM D 2487)

**NOTES**

- (1) Borings were drilled on January 3 and 6, 2014 using a Central Mine Equipment Model 55 (CME 55) drilling rig.
- (2) Strata boundaries are approximate and represent soil strata at each test hole location only. Soil transitions may be more gradual than implied.
- (3) Groundwater depths shown on the subsurface profiles represent groundwater surfaces on the dates shown. Groundwater level fluctuations should be anticipated throughout the year.

DRAWN	JJ	SUBSURFACE PROFILES	
CHECKED	RN	FIRE STATION 50	
APPROVED	TT	NW 45TH AVENUE & COCONUT CREEK PARKWAY	
SCALE	1" = 5'	COCONUT CREEK, FLORIDA	
REVISED		<b>DUNKELBERGER</b> engineering & testing, inc. A Terracon Company	
DATE	1-17-14	PROJ. NO.	34135011
		SHEET	A-2



LEGEND	
[Pattern]	EXISTING PAVEMENT TO BE REMOVED
[Pattern]	CLEARING AND GRUBBING EXISTING GRASS (SOD) TO BE REMOVED
[Pattern]	EXISTING RETENTION AREA TO BE REMOVED
[Pattern]	EXISTING SIDEWALK TO BE REMOVED
[Pattern]	EXISTING SIDEWALK TO REMAIN
[Pattern]	CONTRACTOR STAGING AREA (±6,000 SF)
[Symbol]	EXISTING WATER MAIN
[Symbol]	EXISTING SANITARY SEWER MAIN
[Symbol]	EXISTING STORM DRAIN PIPE
[Symbol]	RIGHT-OF-WAY LINE
[Symbol]	EXISTING STORM DRAIN MANHOLE
[Symbol]	EXISTING SANITARY SEWER MANHOLE
[Symbol]	EXISTING WATER VALVE
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	EXISTING CONCRETE LIGHT POLE
[Symbol]	EXISTING BURIED ELECTRICAL
[Symbol]	EXISTING POWER POLE
[Symbol]	EXISTING SIGN
[Symbol]	EXISTING TELEPHONE RISER
[Symbol]	EXISTING GUY ANCHOR
[Symbol]	EXISTING TO REMAIN (PROTECT IN PLACE)
[Symbol]	EXISTING TO BE REMOVED
[Symbol]	EXISTING TO BE RELOCATED
[Symbol]	SILT FENCE, FDOT TYPE III (TEMP. EROSION CONTROL)
[Symbol]	EXISTING WATER METER
[Symbol]	EXISTING TRASH CAN
[Symbol]	EXISTING YARD DRAIN
[Symbol]	EXISTING DRAINAGE STRUCTURE
[Symbol]	EXISTING IRRIGATION PUMP

**NOTES**

1. SEE LANDSCAPE & IRRIGATION DRAWINGS FOR ADDITIONAL ITEMS TO BE REMOVED.
2. PROPOSED IRRIGATION WILL USE EXISTING IRRIGATION SYSTEM.
3. TREES TO REMAIN, BE REMOVED, AND RELOCATED WERE COORDINATED WITH LANDSCAPE ARCHITECT. PLEASE REFER TO SHEET L1.01.

**PROPOSED NEW FIRE STATION 50 NW 45 AVE.**  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**DEMOLITION PLAN AND EROSION CONTROL**

DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA



G-7.DWG

DATE:

1. SITE DESCRIPTION

Construction Activity: The work consists of constructing a fire rescue station facility for the City of Coconut Creek in Broward County, Florida. Construction activities includes: Clearing and grubbing, placing/grading fill for new fire station facility, site development, installation of underground utilities, exfiltration trench design, and swale retention area.

Contractor to clean all drainage structures and system in western and eastern basins (existing and proposed system. Please refer to Sheet C-3 for proposed and remaining existing systems) as per the modification to Surface Water Management License No. SWM2003-112-0, the Contractor is to clean with vacuum trucks. The schedule of cleaning shall be anticipated at the end of all construction activities, and will be at the discretion of the Contractor, Engineer-of-Record, and City of Coconut Creek.

Project Limits: All proposed construction activities are within The Legal Property Limits of the Survey. Property limits are within Section 31, Township 48 South, Range 42 East of Broward County, Florida.

Major Soil Disturbing Activities: Soil disturbing activities (i.e., excavation, fill, and site grading) will be associated with site clearing and grubbing activities, placing/grading fill material for concrete truck path and pervious pavers parking, and fire station facility. Soil disturbing activities will be conducted in construction phases to limit the exposure of bare soils to reduce soil loss due to erosion.

The Contractor shall be responsible for minimizing erosion potential by providing temporary seeding and water for areas that have been cleared and will remain inactive for a period greater than three calendar days.

Total Project Area = 1.61 Ac  
Total Area to be Disturbed = 0.76 Ac  
Total Area Not to be Disturbed = 0.85 Ac

Runoff Coefficients Before, During, and After Construction Activities:  
Runoff Coefficient (Before) = 0.35 (Grassed/Commercial Property)  
Runoff Coefficients (During) = 0.70 (Exposed Soil)  
Runoff Coefficients (After) = 0.90 (Finished Site With Grass Swale)

Runoff Coefficients will vary during construction from 0.35 to 0.90 in proportion to the construction completeness.

Description of Soils: General soils information was obtained from Geotechnical Investigation performed by Dunkelberger Engineering and Testing, Inc. and gathered from the US Department of Agriculture (USDA) Soil Conservation Service's (NRCS) Soil Survey of Broward County. The two (2) soil types identified within the Project Limits are: Pompano Fine Sand and Immokalee Fine Sand and have a composite hydrologic classification of type "B/D". Based on BCEPGMD, the soils on the site are predominantly a combination of flatwoods types.

Name of Receiving Body of Water: The project stormwater system outfalls into the existing on-site canal which ties into the C-14 East Basin (i.e. Cypress Creek Canal).

Wetland Area: there are no jurisdictional wetlands involved with the Project.

2. EROSION AND SEDIMENT CONTROLS

A.) Implementation of Erosion Controls: The sequence of Construction will be in accordance to the Maintenance of Traffic (M.O.T.) Plan Sheets as presented within these Plans. Installation of controls will be in accordance with the Plans, Technical Specification, and "FDOT Standard Specifications for Road and Bridge Construction (2013)" Section 104. At the Contractor's own expense and discretion, an alternative plan may be implemented.

In order to enhance appropriate control of site erosion during environmentally sensitive construction activity. The Contractor shall supply Broward County Environmental Protection and Growth Management Department (BCEPGD) & Owner with SWPP Plan Changes signed and sealed by a registered Professional Engineer for implementation of alternate control measures.

B.) Drainage Conveyance: Drainage during construction of this Project will be conveyed within the Project Limits as found in the existing site conditions and demonstrated throughout the construction plans.

3. EROSION AND SEDIMENT CONTROL SYSTEM

A.) During construction, the Contractor shall provide temporary seeding and/or mulching for areas which have been cleared and not reworked within three calendar days. The entire disturbed areas will be graded, sodded and/or seeded upon completion. The cost of Temporary Seeding & Watering and Mulching will be paid under the Seeding and Sodding pay item number.

B.) All inlets shall be protected from sediment intake for the entire duration of the project. Hay bales shall be installed around inlets, where necessary.

C.) Fencing shall be used throughout the project's length; silt fencing location will be verified by the Project Engineer.

D.) Floating Turbidity Barriers shall be utilized for this Project.

E.) Temporary Erosion Control devices are shown within the Plans and are quantified below:

Staked Silt Fence (LF)	=	650 LF
Hay Bales w/ stakes (EA)	=	0 BALEs
Floating Turbidity Barriers (LF)	=	60 LF

The devices itemized above will be implemented according to this narrative, the Technical Specifications, and the Plans.

F.) Additional Sedimentation and Erosion Control devices may be utilized as deemed necessary by the Field Engineer. Additional devices will be an incidental cost incurred by the Contractor.

4. OTHER CONTROLS

A.) Waste Disposal: The Contractor shall provide litter control and collection within the construction boundaries during the duration of construction activity. All fertilizer, hydrocarbons, or other hazardous materials utilized during construction shall be disposed of by the Contractor according to local, State and Federal (EPA) standard practices as detailed by the manufacturer.

B.) Sanitary Waste: This project can be classified as being a "rural" area. The Contractor's field office will require permits for sewage treatment in accordance with FAC 64E-6, "Standards for On-Site Sewage Disposal Systems." Portable units provided by the Contractor will be serviced by a licensed sanitary waste management contractor a minimum of three time per week.

C.) Non-Stormwater Contaminants : If contaminated soils and/or groundwater is encountered during excavation, the Contractor will notify the Field Engineer immediately.

5. MAINTENANCE OF EROSION AND SEDIMENT CONTROLS

A.) The Contractor shall be responsible for daily inspection and maintenance of all control devices throughout the construction phasing. Maintenance shall be conducted in accordance with "FDOT Standard Specifications for Road and Bridge Construction (2013)" Section 104, and "FDOT Roadway and Traffic Design Standards (2013 or latest edition)" Standard Indices 100 - 106.

B.) All devices will be maintained in good working order; if repair is necessary, it will be completed within 24 hours of report.

C.) Built up sediment shall be removed from the Staked Silt Fence and Hay Bales when it reaches one-third the fence height.

D.) Staked Silt Fencing will be inspected for depth of sediment, tears in fabric, to determine if fabric is securely attached to the fence posts, and to determine if the fence posts are hammered firmly into the ground.

6. INSPECTION

The Field Engineer shall be responsible for completing the weekly inspection reports and submission of the reports to the Department of Environmental Protection (FDEP) on a monthly basis. Inspection will be conducted and recorded after rainfall events greater than 0.25 inches.

7. PERMITS

- BROWARD COUNTY ENVIRONMENTAL PROTECTION GROWTH MANAGEMENT DEPARTMENT (BCEPGMD) APPROVAL
- BROWARD COUNTY ERP PERMIT
- BROWARD COUNTY SURFACE WATER MANAGEMENT LICENSE NO. SW2003-112-0

8. FDEP/NOI

CONTRACTOR SHALL BE THE RESPONSIBLE ENTITY ON SITE TO MAINTAIN THE CONDITIONS OF EROSION CONTROL AS PER THE PLANS AND FDEP NOTICE OF INTENT (NOI).

**SILT FENCE NOTES**

SILT FENCE SHALL BE IN PLACE PRIOR TO GRADING.

SILT FENCE AND FILTER FABRIC MUST BE ENTRENCHED.

POSTS FOR SILT FENCES SHALL BE EITHER 2.5 X 2 INCH DIAMETER WOOD OR 1.25 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.

WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MIN. OF 12 INCHES) WHEN EXTRA STRENGTH FABRIC IS USED. WITHOUT THE WIRE SUPPORT FENCE, POSTS SHALL NOT EXCEED 8 FEET.

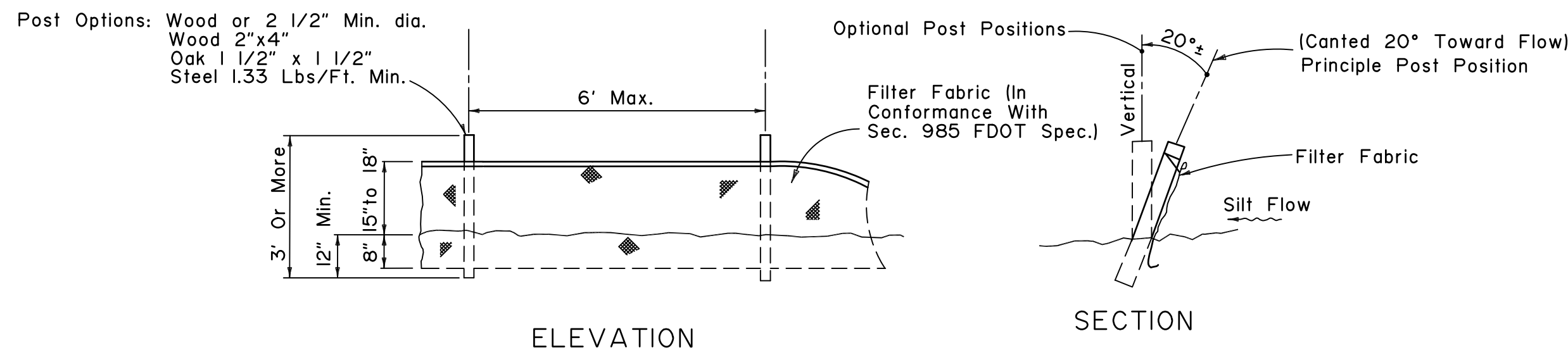
WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POST.

SEDIMENT MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ON-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE PROPOSED AND EXISTING GRADES, PREPARED AND SEEDED OR SODDED.

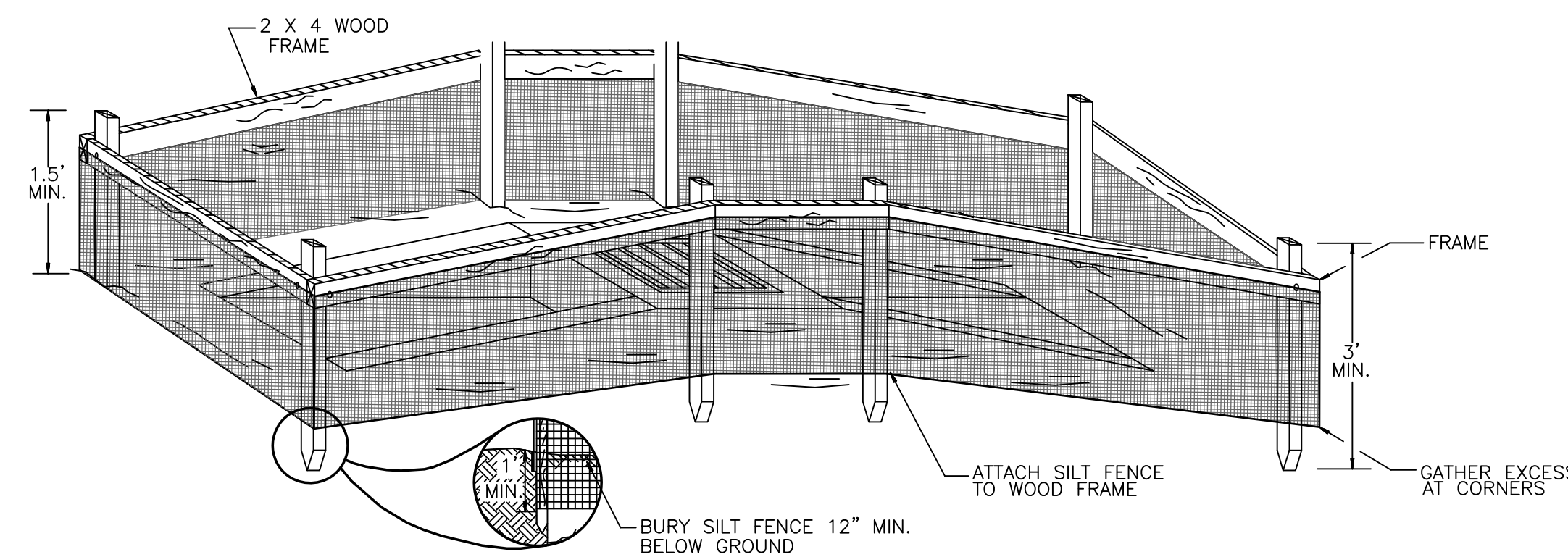
UNDER NO CIRCUMSTANCES SHALL SILT FENCE BE CONSTRUCTED IN LIVE STREAMS.

SILT FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT OR AT A TIME DIRECTED BY THE OWNER. IF THE OWNER FEELS IT IS NECESSARY FOR THE SILT FENCE TO REMAIN IN PLACE FOR SOME GIVEN TIME AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL LEAVE IT IN PLACE, IN THE PROPERLY INSTALLED WAY, AND WILL, AT THE DIRECTION OF THE OWNER, REMOVE IT AT NO ADDITIONAL COST TO THE OWNER WHEN THE OWNER DEEMS IT APPROPRIATE.



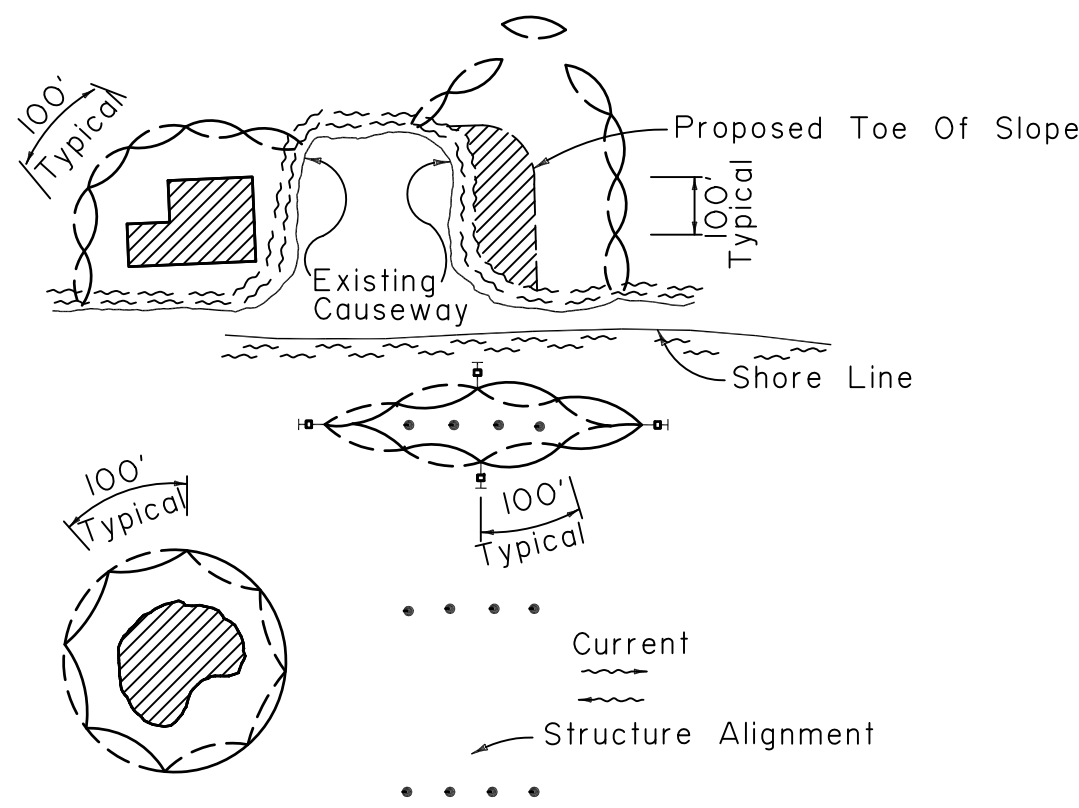
Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

**FDOT TYPE III SILT FENCE**  
N.T.S.



NOTE: SEE STORM WATER POLLUTION PREVENTION PLAN FOR LOCATION OF ALL SILT FENCE.

**TYPICAL DRAINAGE INLET SEDIMENTATION PROTECTION DETAIL**  
N.T.S.

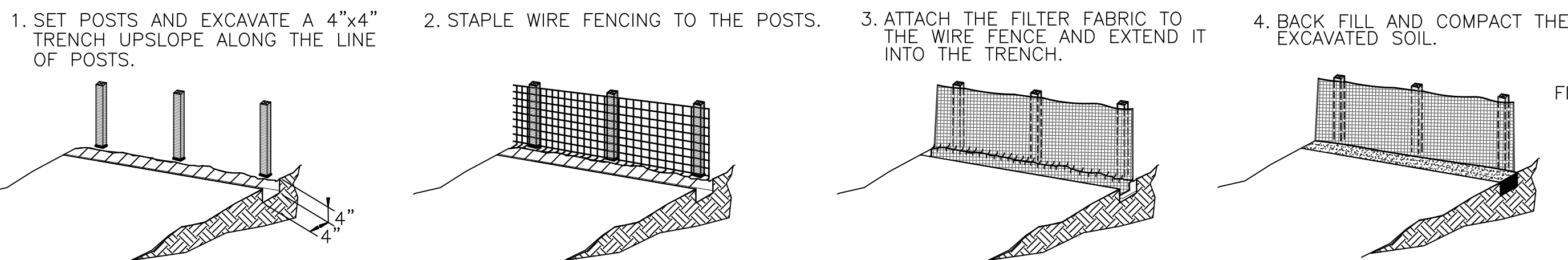


Note:

Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier types will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item established in the plans for Temporary Air and Water Pollution, Soil Erosion and Siltation Control. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

**TURBIDITY BARRIER APPLICATIONS**

N.T.S.



NOTE: SEE STORM WATER POLLUTION PREVENTION PLAN FOR LOCATION OF ALL SILT FENCE.

**SILT FENCE CONSTRUCTION DETAILS**

N.T.S.

NO. REVISION DATE  
CONSTRUCTION 11-3-14  
ISSUE SET

CONSULTANT:



CPZ & Associates, Inc.  
Consulting Engineers and Planners  
Florida Authorization # 0008245  
100 West Broward Boulevard  
Plantation, Florida 33317

PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
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COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
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PHONE: (954) 792-5825 FAX: (954) 337-0359  
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**STORMWATER  
POLLUTION PREVENTION  
PLAN SHEET**

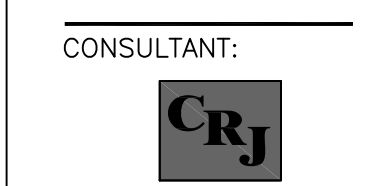
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CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

G-8

DATE:

G-8.DWG



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PROPOSED NEW FIRE STATION 50  
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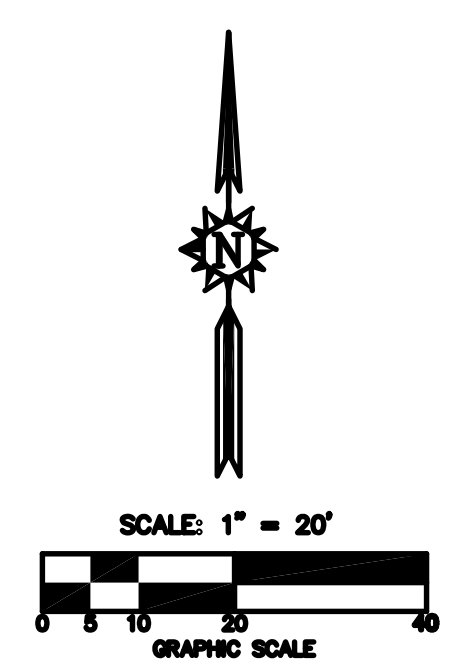
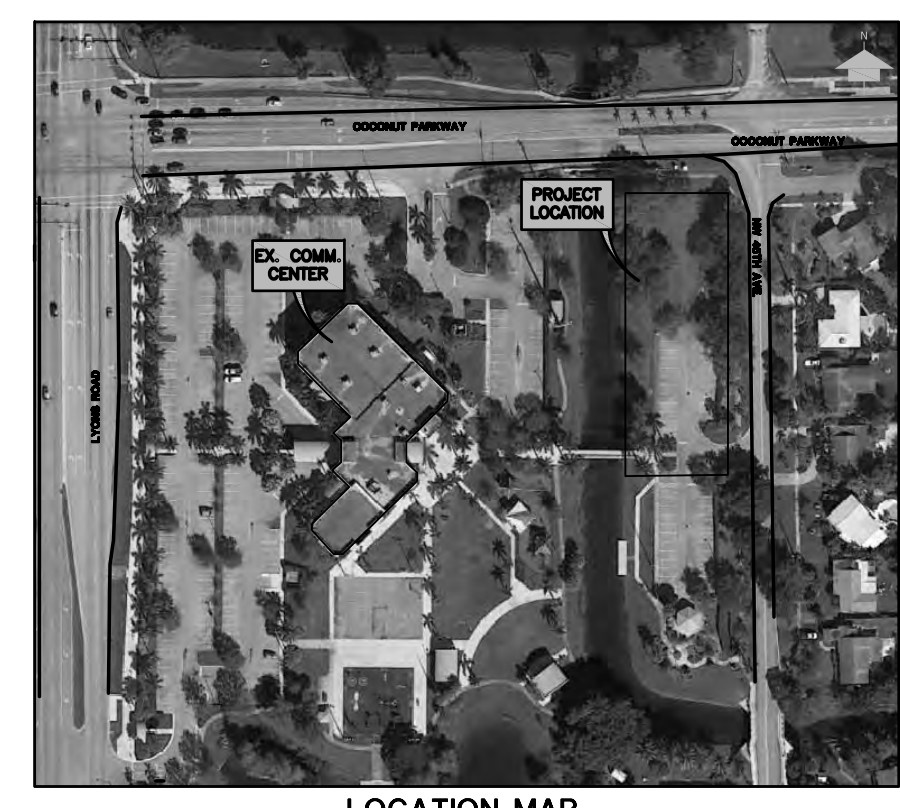
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DRAWING TITLE:  
**DRAINAGE BASIN  
 MAP - EXISTING  
 CONDITIONS**

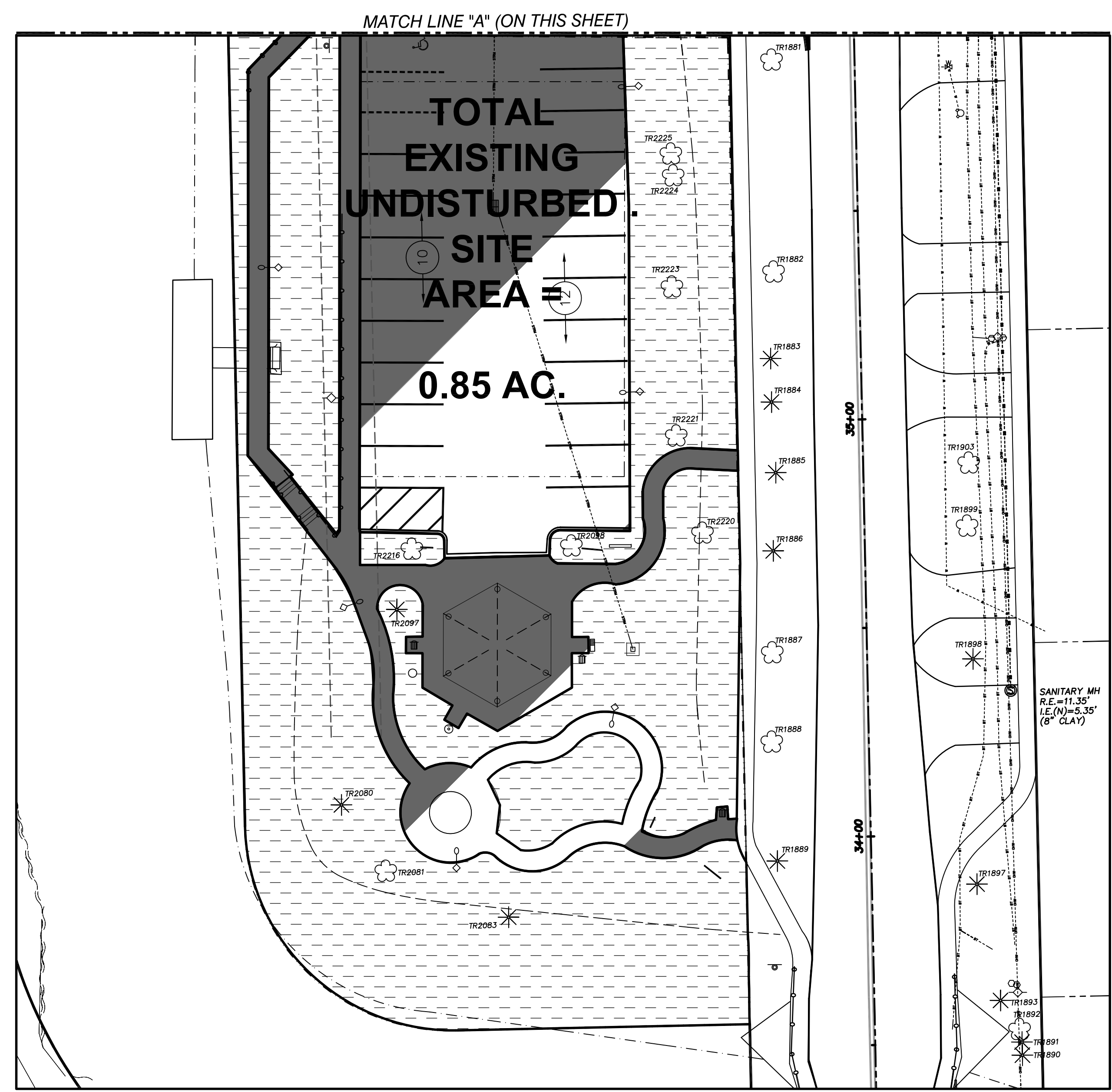
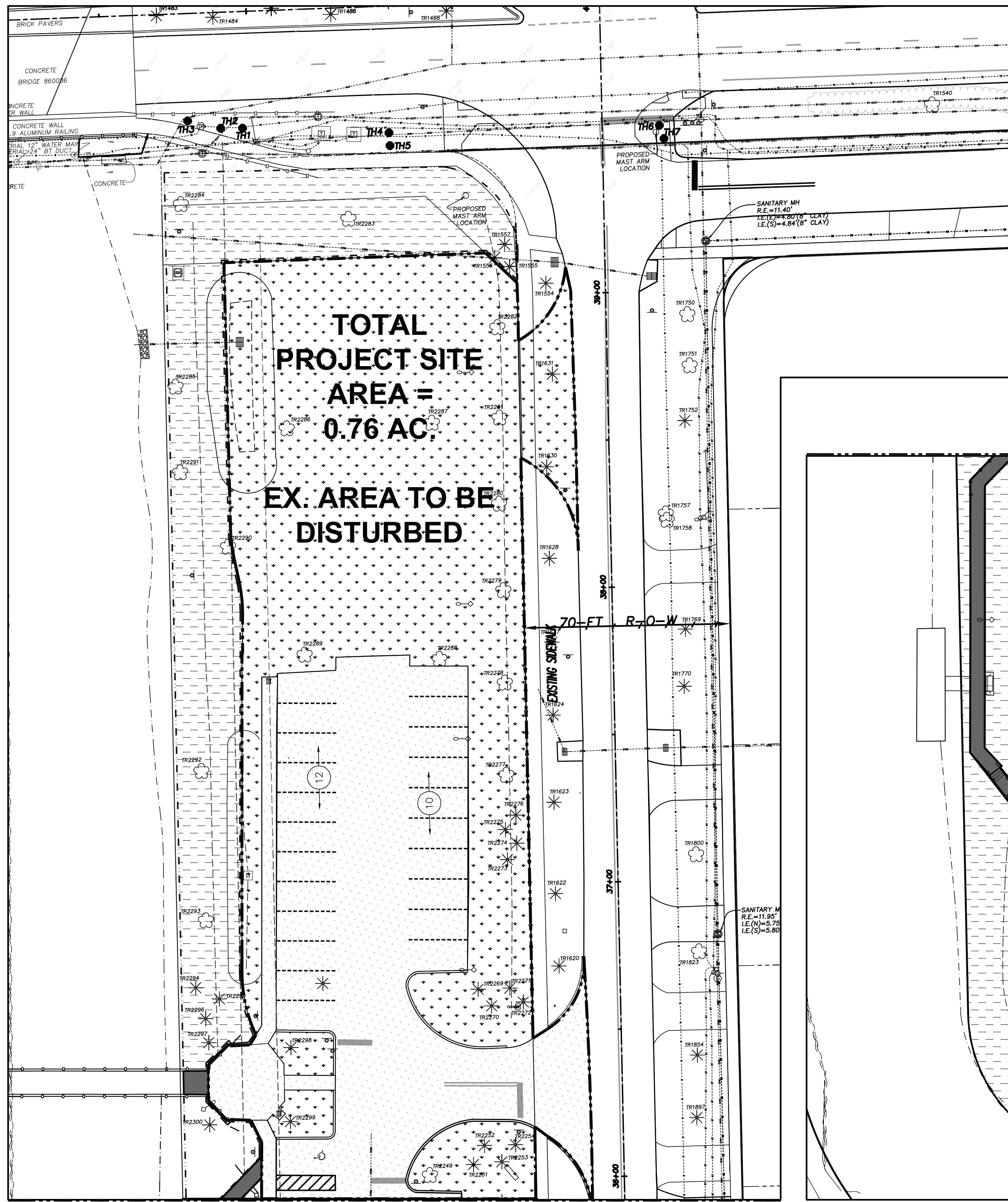
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 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

**D-1**



**LEGEND**

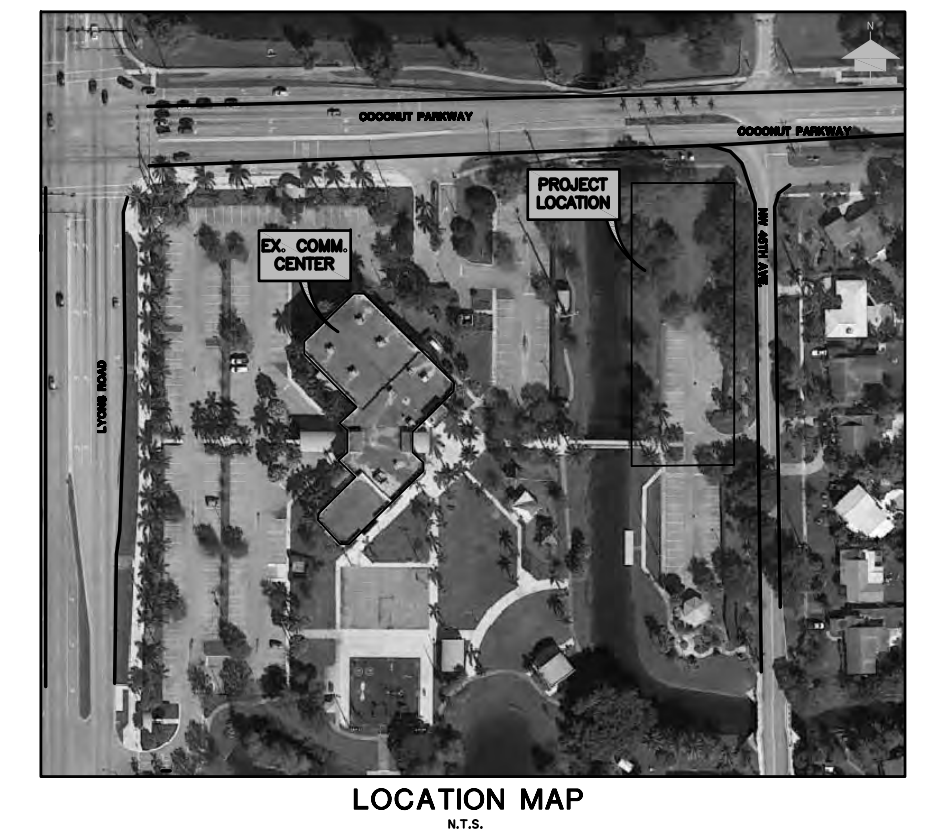
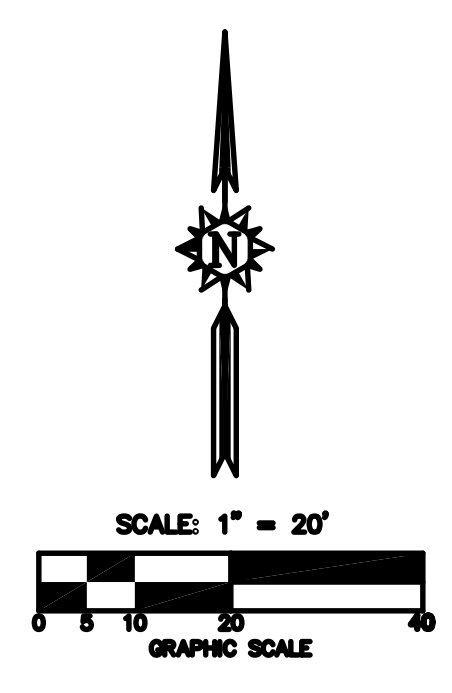
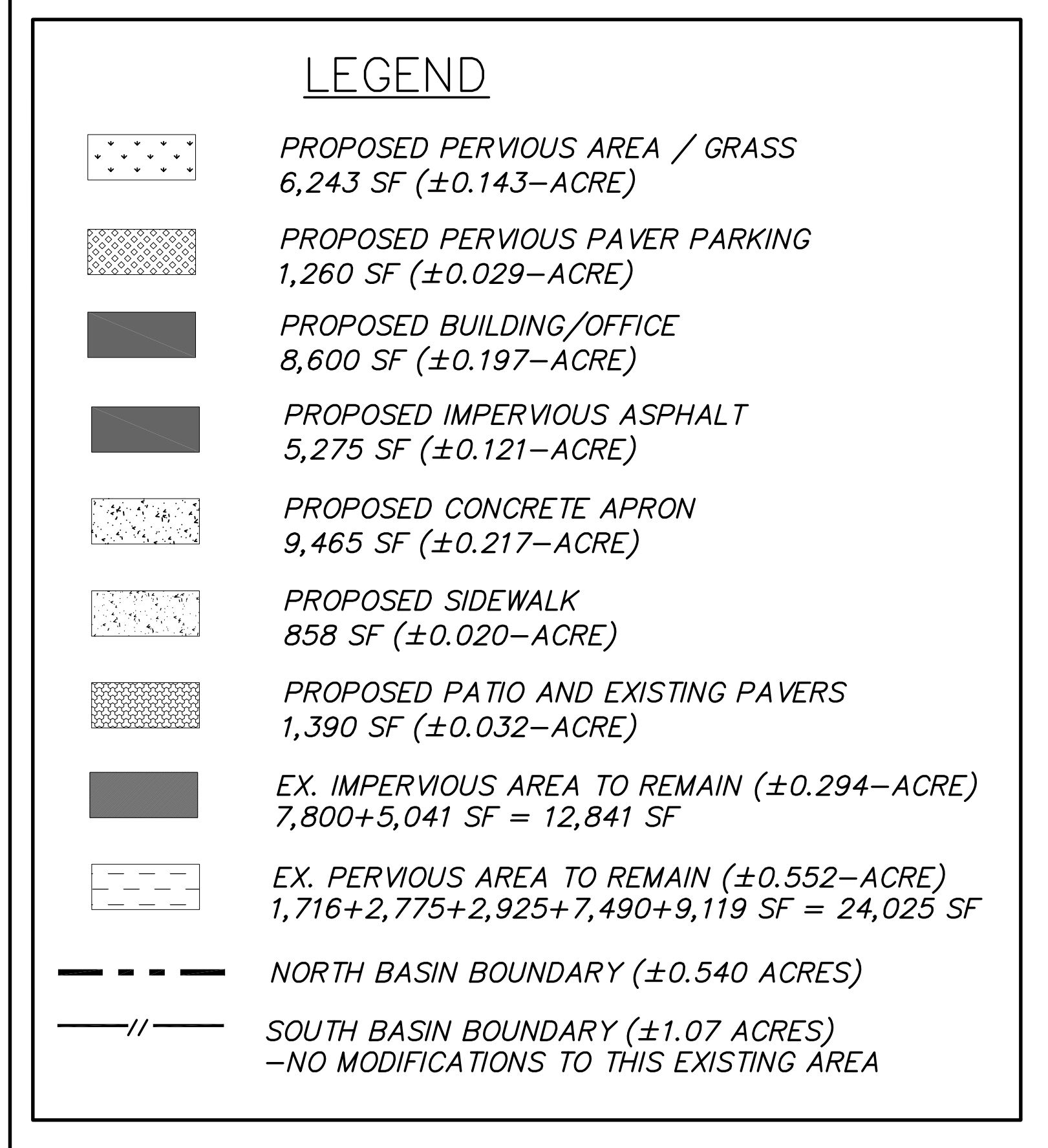
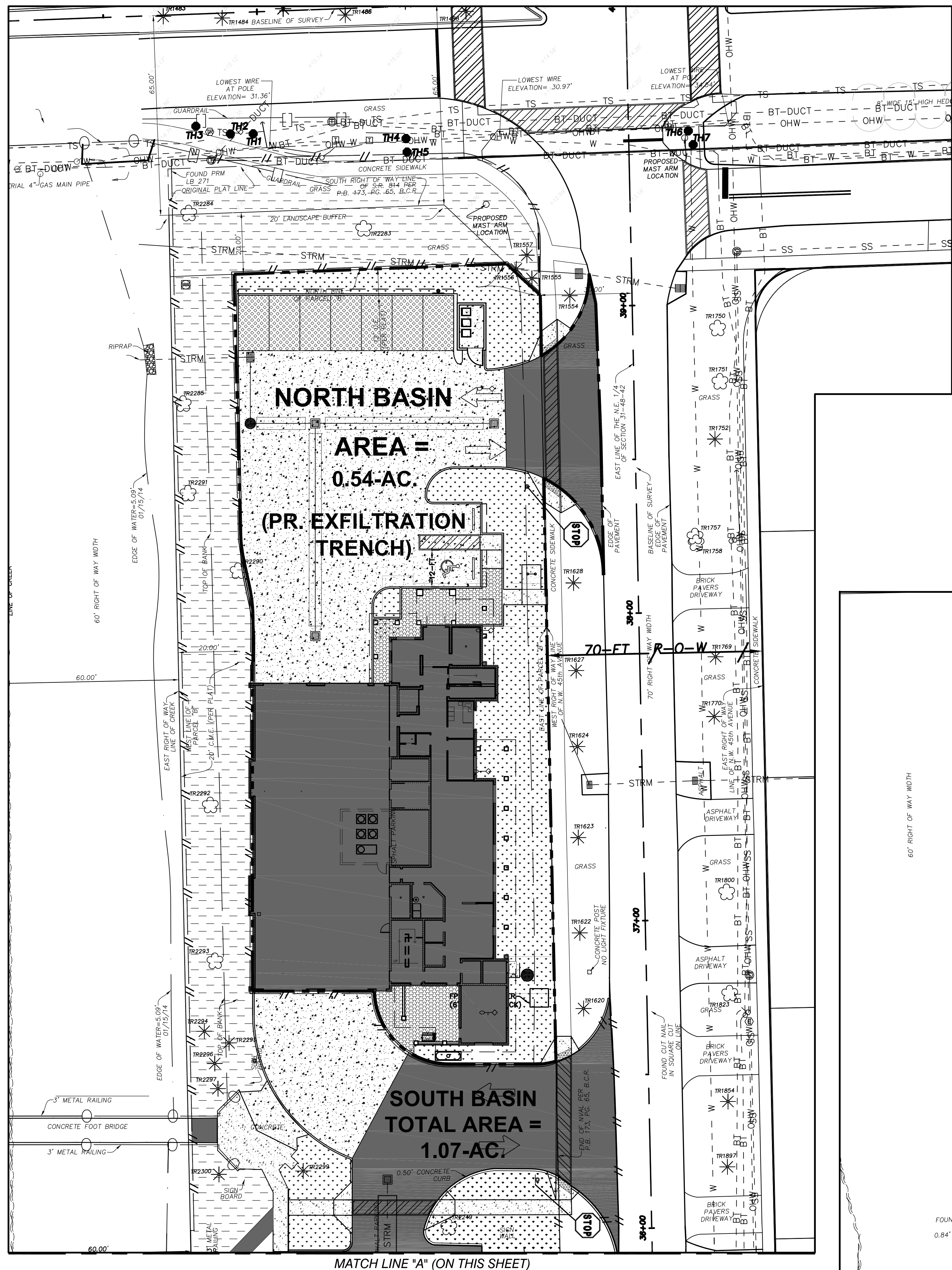
- EXISTING PERVIOUS SITE AREA (±0.453-ACRE)  
17,423+961+300+280 = 19,748 SF
- EXISTING IMPERVIOUS SITE AREA (±0.306-ACRE)  
11,681+1097+564 SF = 13,342 SF
- EX. IMPERVIOUS AREA TO REMAIN (±0.294-ACRE)  
7,800+5,041 SF = 12,841 SF
- EX. PERVIOUS AREA TO REMAIN (±0.552-ACRE)  
1,716+2,775+2,925+7,490+9,119 SF = 24,025 SF
- PROJECT BOUNDARY (±0.76 ACRES)
- PROJECT OUTSIDE OF BOUNDARY (±0.85 ACRES)  
-NO MODIFICATIONS TO THIS EXISTING AREA



D-1.DWG

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

DATE:



NO. REVISION DATE  
CONSTRUCTION 11-3-14  
ISSUE SET

CONSULTANT:  
CPZ

CPZ & Associates, Inc.  
Consulting Engineers and Planners  
Florida Authorization # 0008245  
P.O. Box 1000 - Ft. Lauderdale, FL 33301

PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8525 FAX: (954) 337-0359  
AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**DRAINAGE BASIN MAP - PROPOSED CONDITIONS**

DRAWN C.E.O.  
CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

D-2

DATE:





CPZ & Associates, Inc.  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 4316 West Broward Boulevard  
 Plantation, Florida 33317  
 Phone: (954) 792-8525 Fax: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM

PROPOSED NEW FIRE STATION 50  
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DRAWING TITLE:

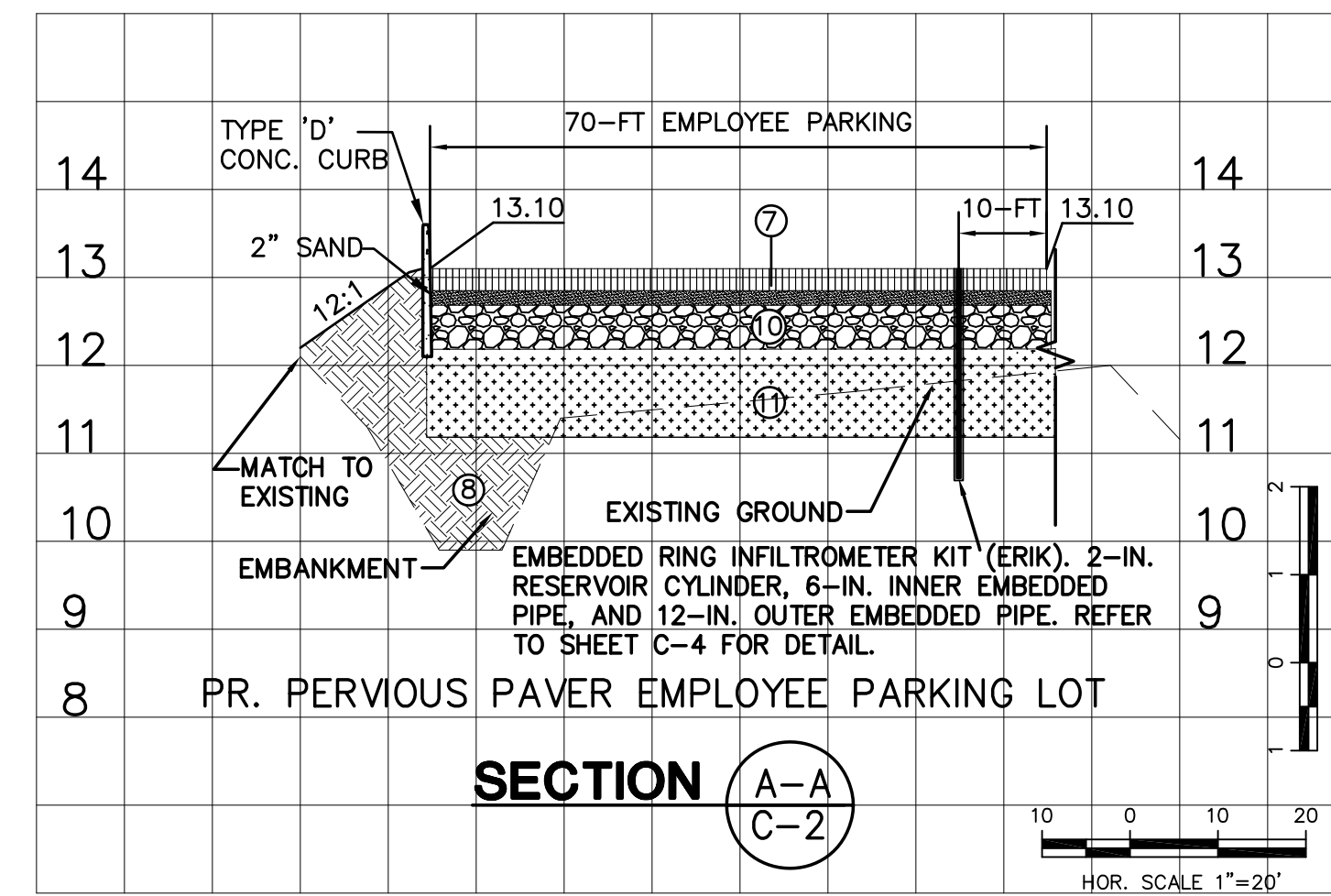
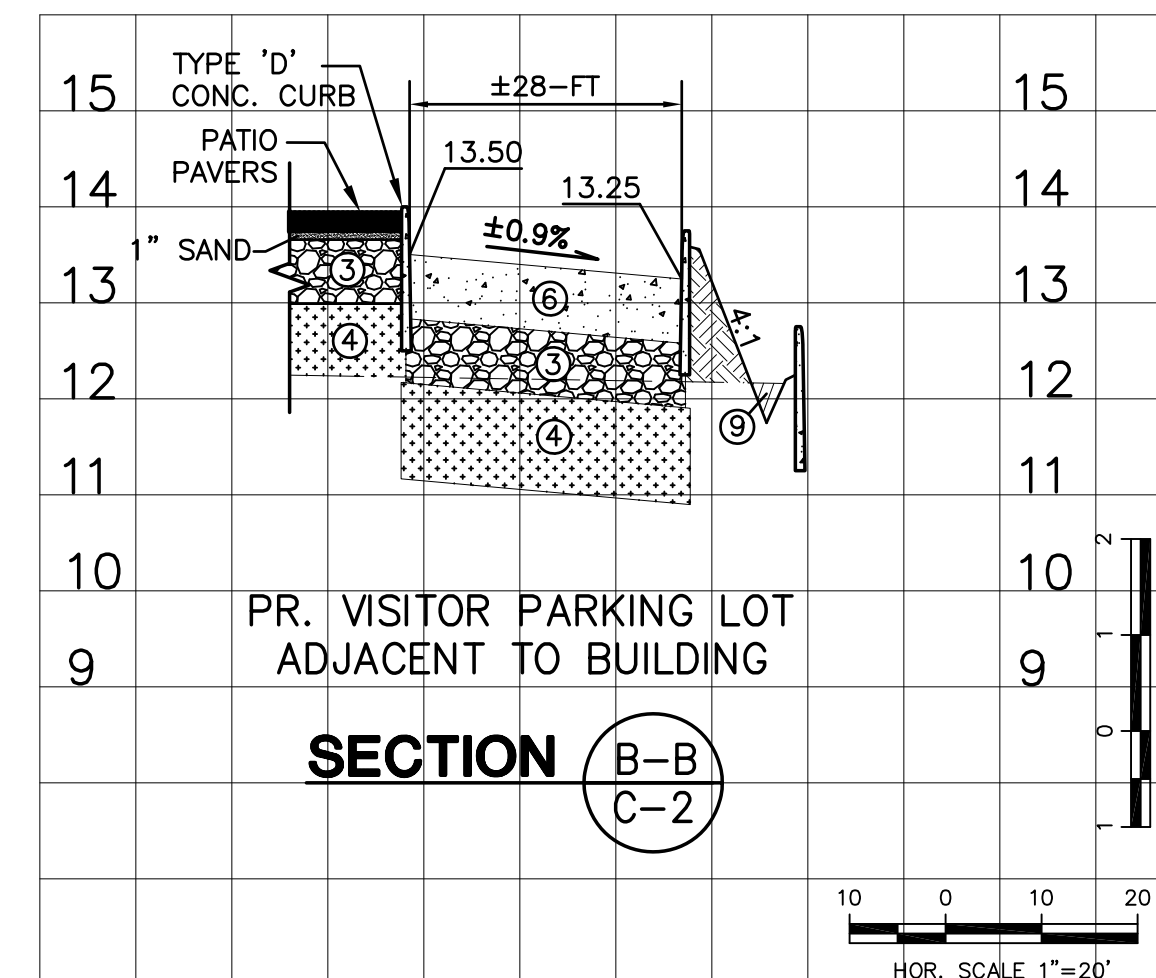
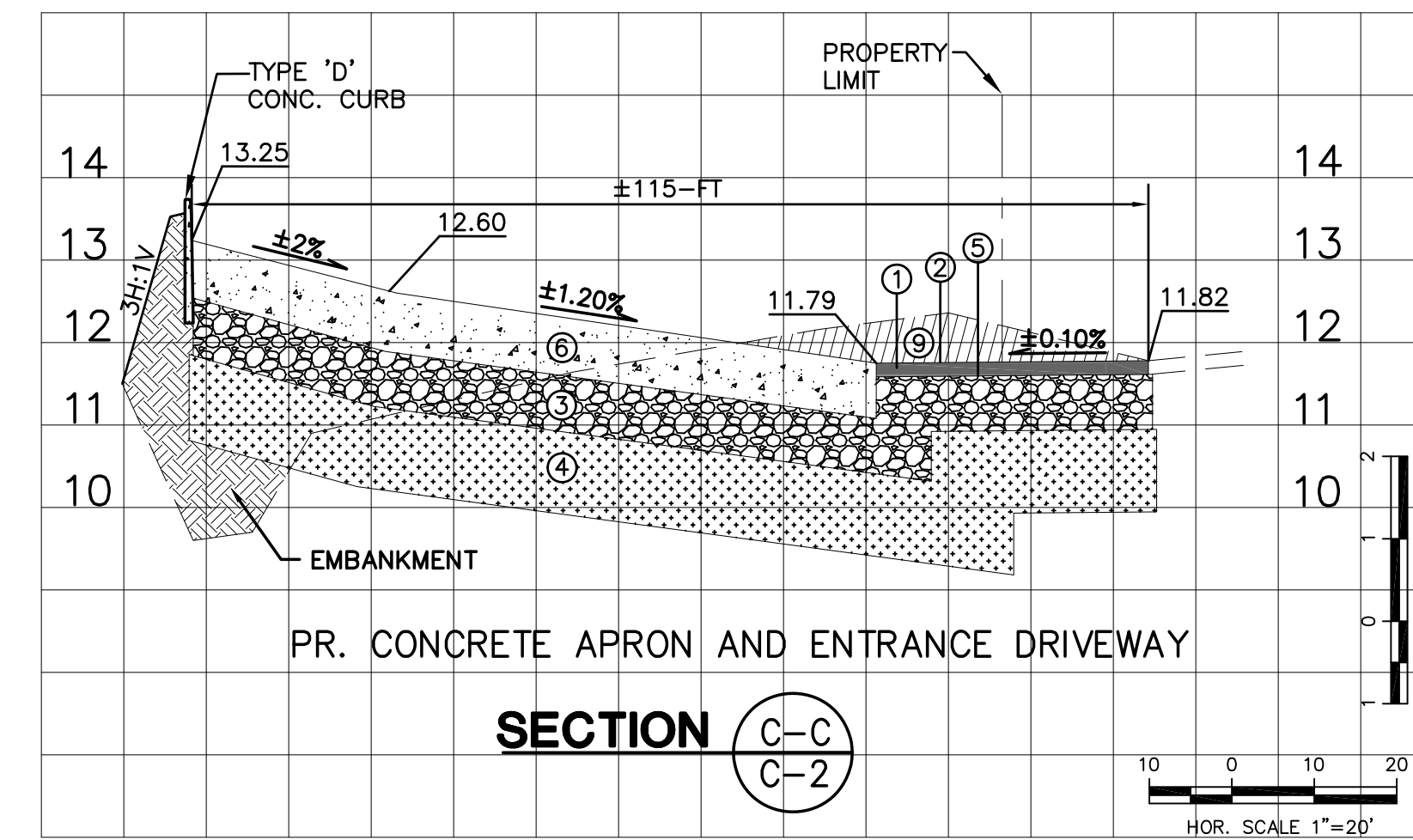
**SECTIONS**

DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

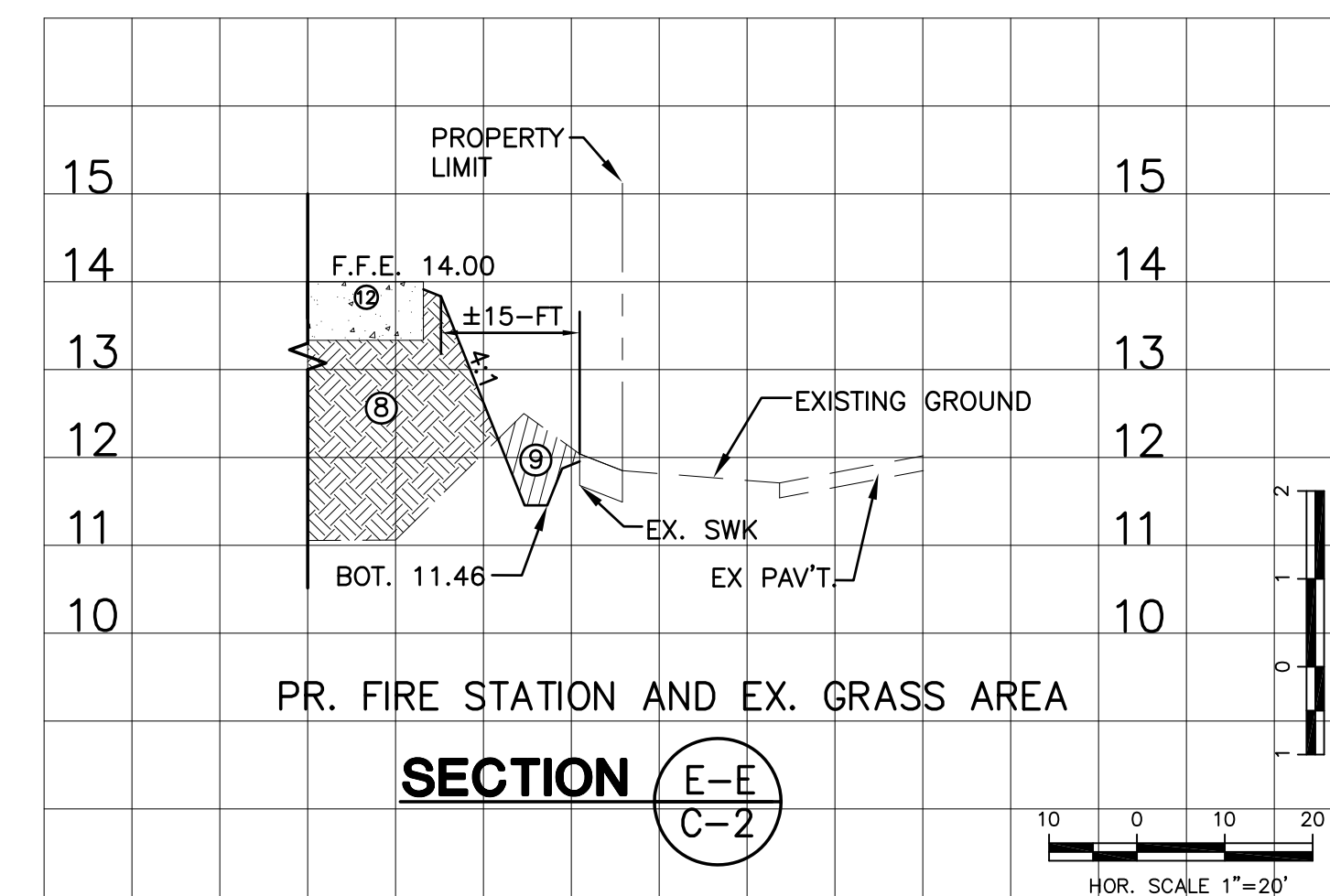
**C-1**

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

DATE:

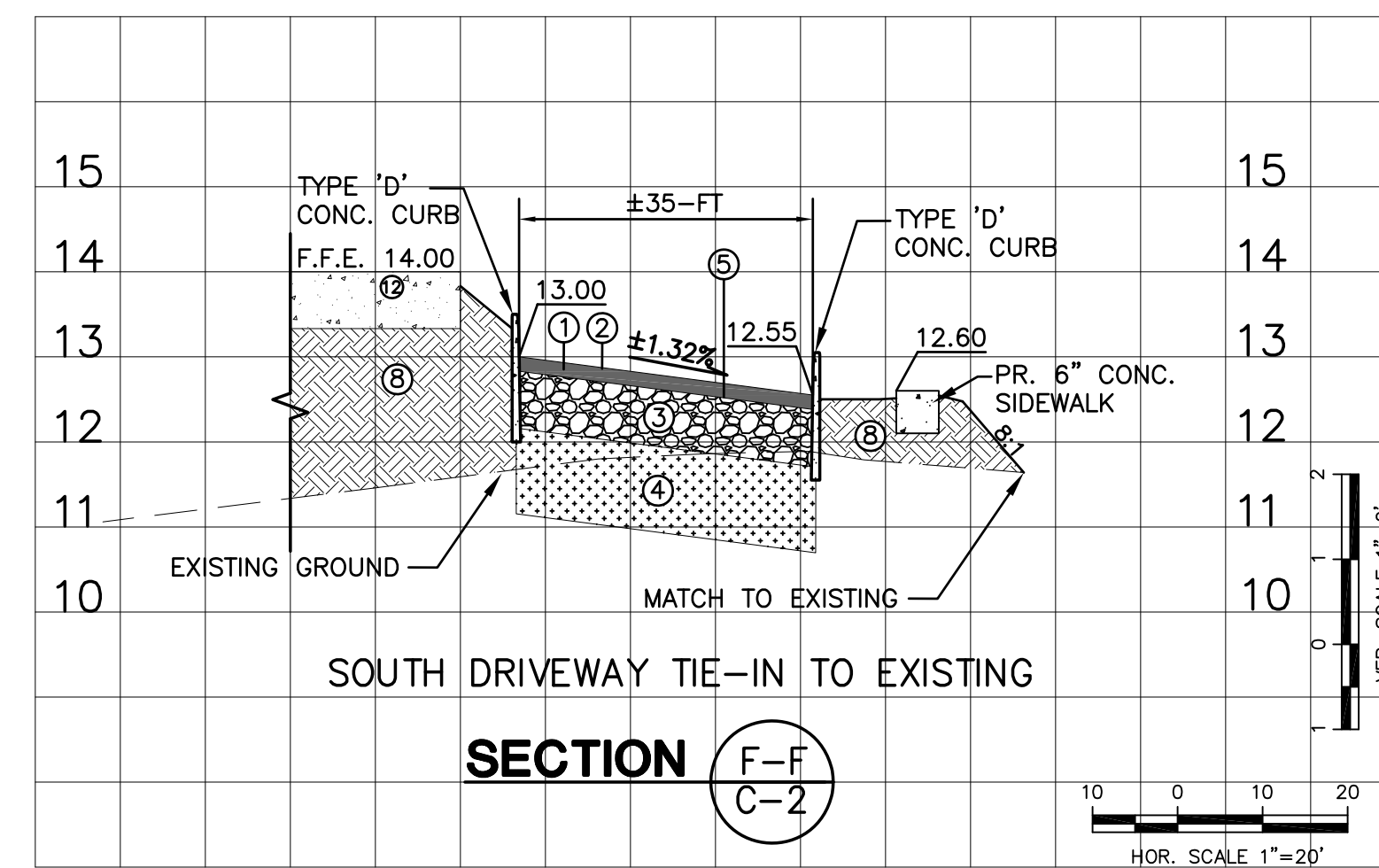
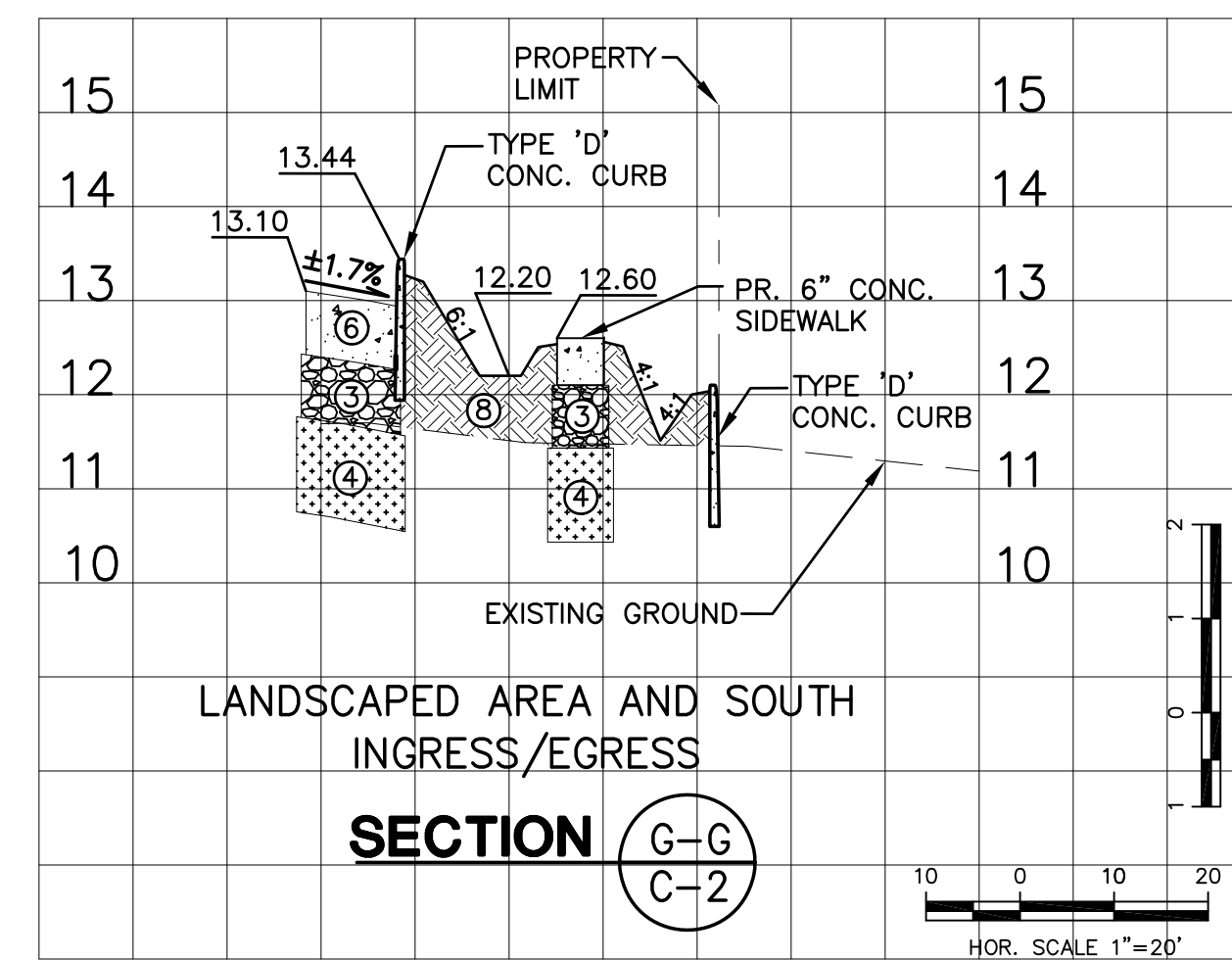
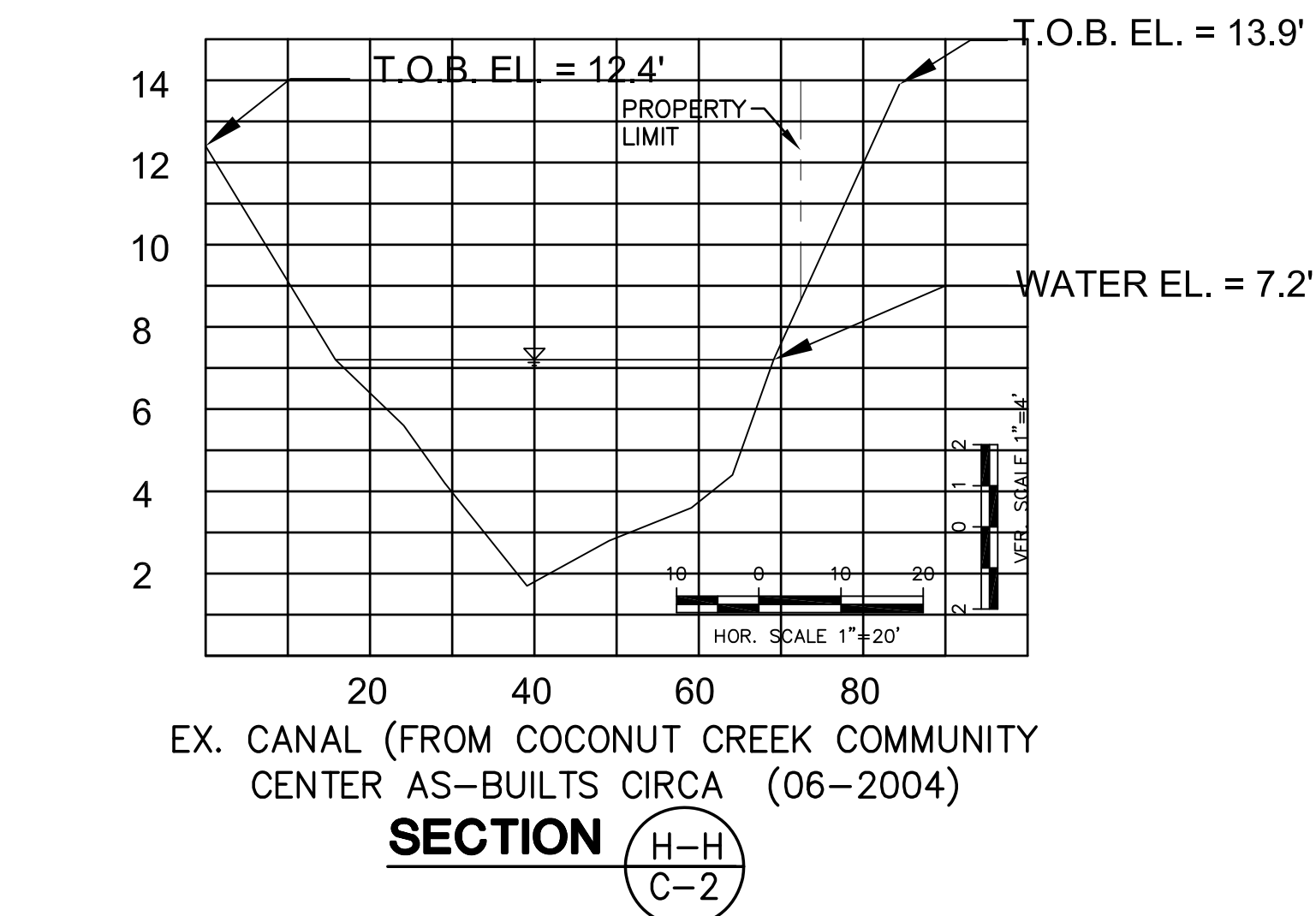


NOTE: FOR EMBEDDED RING INFILTRMETER KIT (ERIK), CONTRACTOR SHALL SUBMIT SHOP DRAWING TO BE APPROVED BY ENGINEER-OF-RECORD AND CITY OF COCONUT CREEK.

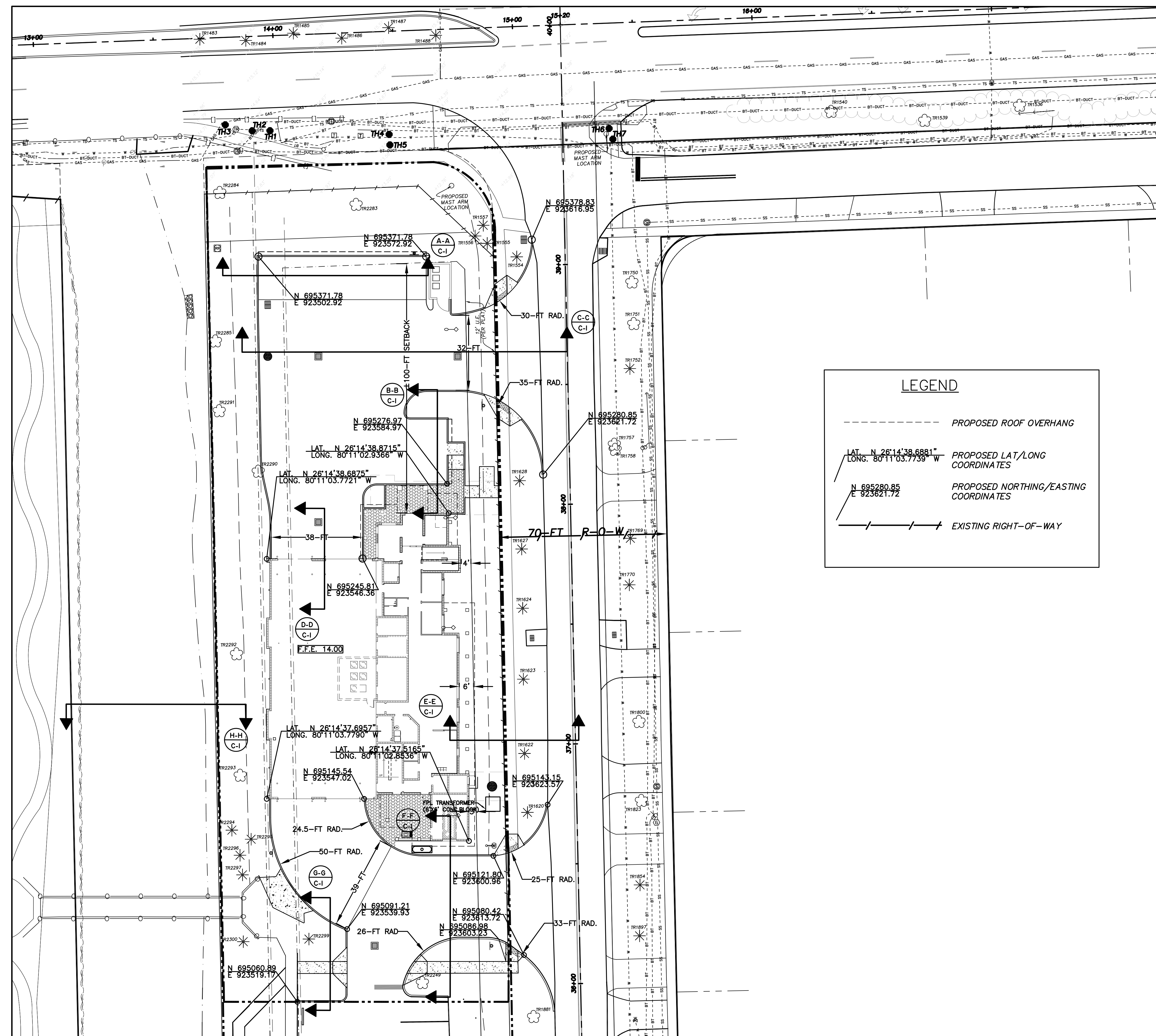
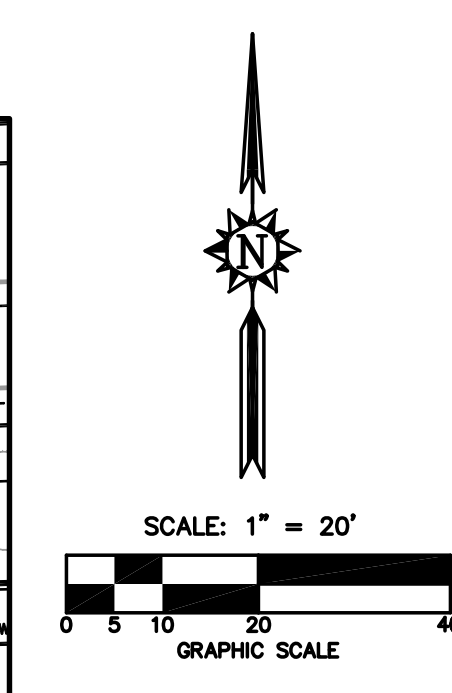


- LEGEND:**
- ① 2" BITUMINOUS SURFACE COURSE TYPE S-3: 2 LIFTS AT 1" LIFTS BITUMINOUS PRIME COAT
  - ② 8" LIMEROCK BASE COURSE (LBR-100) COMPACTED @ 100% MAX. DENSITY, WITH A MINIMUM 70% CARBONATES OF CALCIUM AND MAGNESIUM.
  - ③ 12" STABILIZED SUBGRADE (LBR-40) @ 98% MAX. DENSITY BITUMINOUS TACK COAT
  - ④ 8" THICK CONCRETE APRON (COMPRESSIVE STRENGTH AT 4,000 PSI)
  - ⑤ 3" THK. PERVIOUS PAVERS FILLED WITH 1/4" - 3/8" SAND, FILL 1/2" FROM TOP EMBANKMENT COMPACTED AT 95% MAX. DENSITY EXCAVATION (CUT)
  - ⑥ 6" #57 BALLAST STONE ROCK @ 100% MAX. DENSITY
  - ⑦ 12" STABILIZED SUBGRADE @ 98% MAX. DENSITY
  - ⑧ 8" THICK BUILDING CONCRETE SLAB

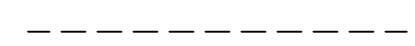
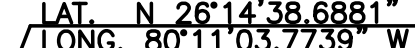
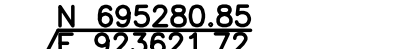

NOTE:  
 CONTRACTOR TO COMPLY WITH THE FDOT INDICES OF THE "ROADWAY AND TRAFFIC DESIGN STANDARDS", JANUARY 2013 EDITION AND 2013 FDOT SPECIFICATIONS 200, 204, 210, AND 230.



C-1.DWG



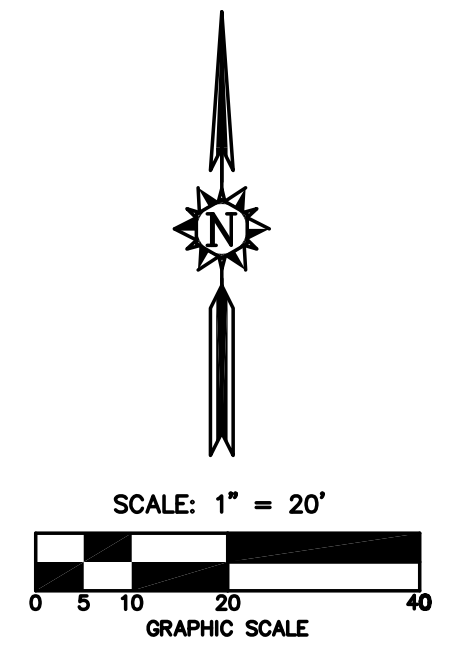
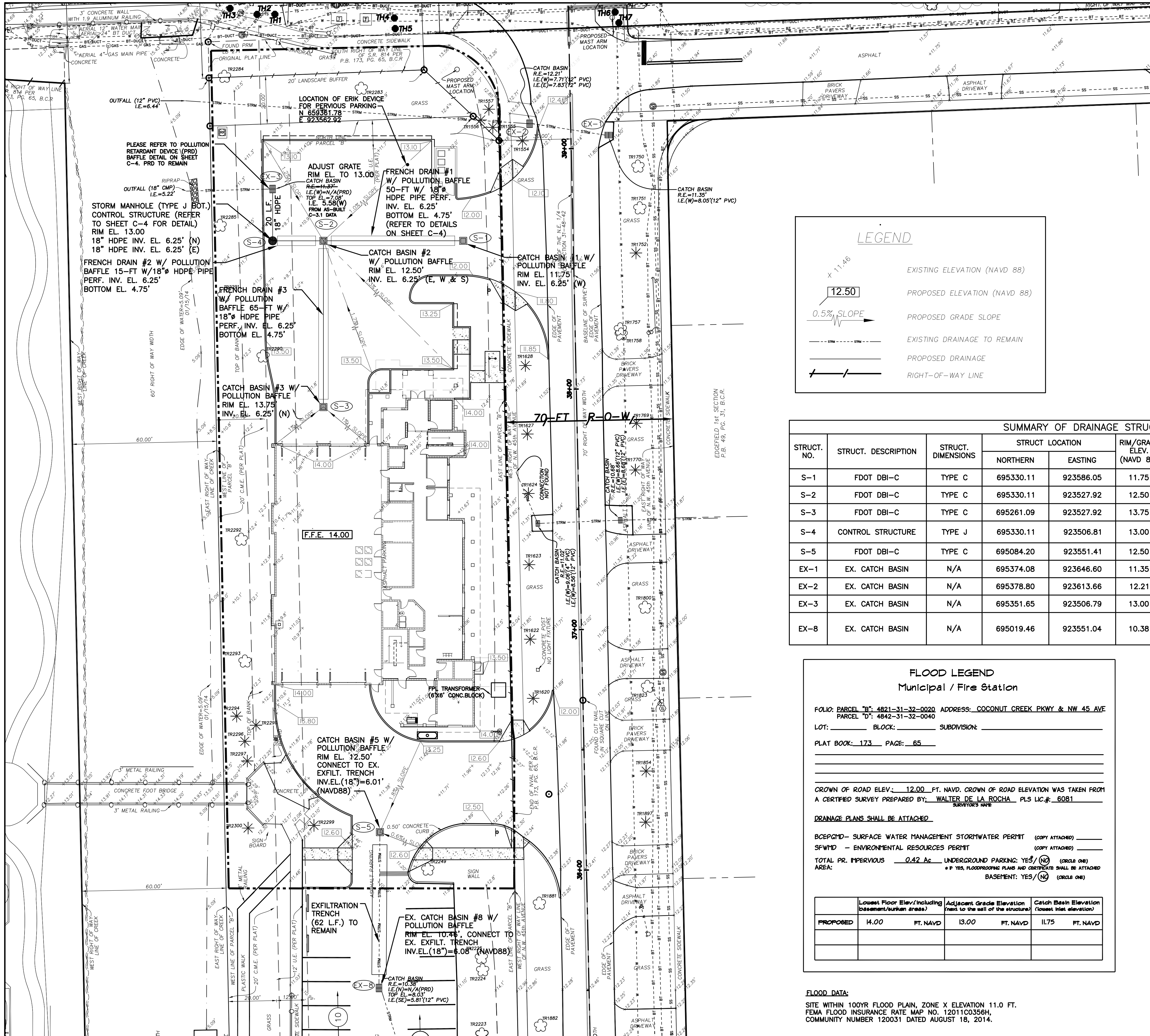
**LEGEND**

-  PROPOSED ROOF OVERHANG
-  LAT. N 26°14'38.6881\"/> PROPOSED LAT/LONG COORDINATES
-  N 695280.85 E 923621.72 PROPOSED NORTHING/EASTING COORDINATES
-  EXISTING RIGHT-OF-WAY

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

DATE:

C-2.DWG



**LEGEND**

- EXISTING ELEVATION (NAVD 88)
- PROPOSED ELEVATION (NAVD 88)
- PROPOSED GRADE SLOPE
- EXISTING DRAINAGE TO REMAIN
- PROPOSED DRAINAGE
- RIGHT-OF-WAY LINE

**SUMMARY OF DRAINAGE STRUCTURES**

STRUCT. NO.	STRUCT. DESCRIPTION	STRUCT. DIMENSIONS	STRUCT. LOCATION		RIM/GRATE ELEV. (NAVD 88)	INVERT ELEVATION (NAVD 88)				REMARKS
			NORTHERN	EASTING		N	S	E	W	
S-1	FDOT DBI-C	TYPE C	695330.11	923586.05	11.75	-	-	-	6.25	EXFIL. TRENCH 18" HDPE
S-2	FDOT DBI-C	TYPE C	695330.11	923527.92	12.50	-	6.25	6.25	6.25	EXFIL. TRENCH 18" HDPE
S-3	FDOT DBI-C	TYPE C	695261.09	923527.92	13.75	6.25	-	-	-	EXFIL. TRENCH 18" HDPE
S-4	CONTROL STRUCTURE	TYPE J	695330.11	923506.81	13.00	6.25	-	6.25	-	EXFIL. TRENCH & 18" HDPE TO EX-1
S-5	FDOT DBI-C	TYPE C	695084.20	923551.41	12.50	-	6.05	-	-	CONNECT TO EX. EXFIL. TRENCH
EX-1	EX. CATCH BASIN	N/A	695374.08	923646.60	11.35	-	-	7.83	7.71	EX. 12" PVC TO EX-2
EX-2	EX. CATCH BASIN	N/A	695378.80	923613.66	12.21	-	-	-	8.05	EX. 12" PVC TO OUTFALL
EX-3	EX. CATCH BASIN	N/A	695351.65	923506.79	13.00	-	5.58	-	5.58	EX. 18" CMP
EX-8	EX. CATCH BASIN	N/A	695019.46	923551.04	10.38	6.01 (AB)	5.81 (SE)	-	-	EX. EXFIL. TRENCH EX. 18" CMP (N) EX. 10" PVC (SE)

**FLOOD LEGEND**  
Municipal / Fire Station

FOLID: PARCEL "B": 4821-31-32-0020 ADDRESS: COCONUT CREEK PKWY & NW 45 AVE  
PARCEL "D": 4842-31-32-0040

LOT: \_\_\_\_\_ BLOCK: \_\_\_\_\_ SUBDIVISION: \_\_\_\_\_

PLAT BOOK: 173 PAGE: 65

CROWN OF ROAD ELEV.: 12.00 FT. NAVD. CROWN OF ROAD ELEVATION WAS TAKEN FROM A CERTIFIED SURVEY PREPARED BY: WALTER DE LA ROCHA, PLS LIC.#: 6081

DRAINAGE PLANS SHALL BE ATTACHED

BCEPMD - SURFACE WATER MANAGEMENT STORMWATER PERMIT (COPY ATTACHED) \_\_\_\_\_  
SPWMD - ENVIRONMENTAL RESOURCES PERMIT (COPY ATTACHED) \_\_\_\_\_

TOTAL PR. IMPERVIOUS: 0.42 Ac UNDERGROUND PARKING: YES/ (X) (CIRCLE ONE)  
AREA: \_\_\_\_\_ \* IF YES, FLOODPROOFING PLANS AND CERTIFICATE SHALL BE ATTACHED  
BASEMENT: YES/ (X) (CIRCLE ONE)

	Lowest Floor Elev./including basement/burken areas)	Adjacent Grade Elevation (next to the wall of the structure)	Catch Basin Elevation (lowest inlet elevation)
PROPOSED	14.00 FT. NAVD	13.00 FT. NAVD	11.75 FT. NAVD

**FLOOD DATA:**  
SITE WITHIN 100YR FLOOD PLAIN, ZONE X ELEVATION 11.0 FT.  
FEMA FLOOD INSURANCE RATE MAP NO. 12011C0356H,  
COMMUNITY NUMBER 120031 DATED AUGUST 18, 2014.

**NOTE: CONTRACTOR TO CLEAN ALL DRAINAGE STRUCTURES AND SYSTEMS IN WESTERN AND EASTERN BASINS (EXISTING AND PROPOSED SYSTEMS) AS PER THE MODIFICATION TO SURFACE WATER MANAGEMENT LICENSE NO. SWM2003-112-0. CONTRACTOR TO CLEAN WITH VACUUM TRUCKS. THE SCHEDULE OF CLEANING SHALL BE ANTICIPATED AT THE END OF ALL CONSTRUCTION ACTIVITIES, AND WILL BE AT THE DISCRETION OF THE CONTRACTOR, ENGINEER-OF-RECORD, AND CITY OF COCONUT CREEK.**

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA



**PROPOSED NEW FIRE STATION 50 NW 45 AVE.**  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8825 FAX: (954) 337-0359  
AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**PAVING GRADING AND DRAINAGE PLAN**

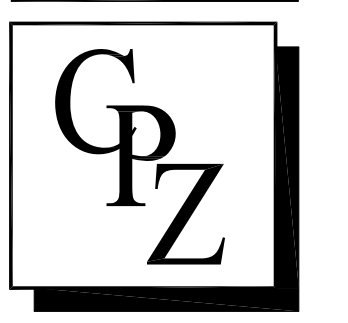
DRAWN: C.E.O.  
CHECKED: M.A.F.  
DATE: 11/03/2014  
SCALE: AS NOTED  
PROJ. NO. CNK-1018  
SHEET:



CPZ & Associates, Inc.  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 4316 WEST BROADWAY BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM

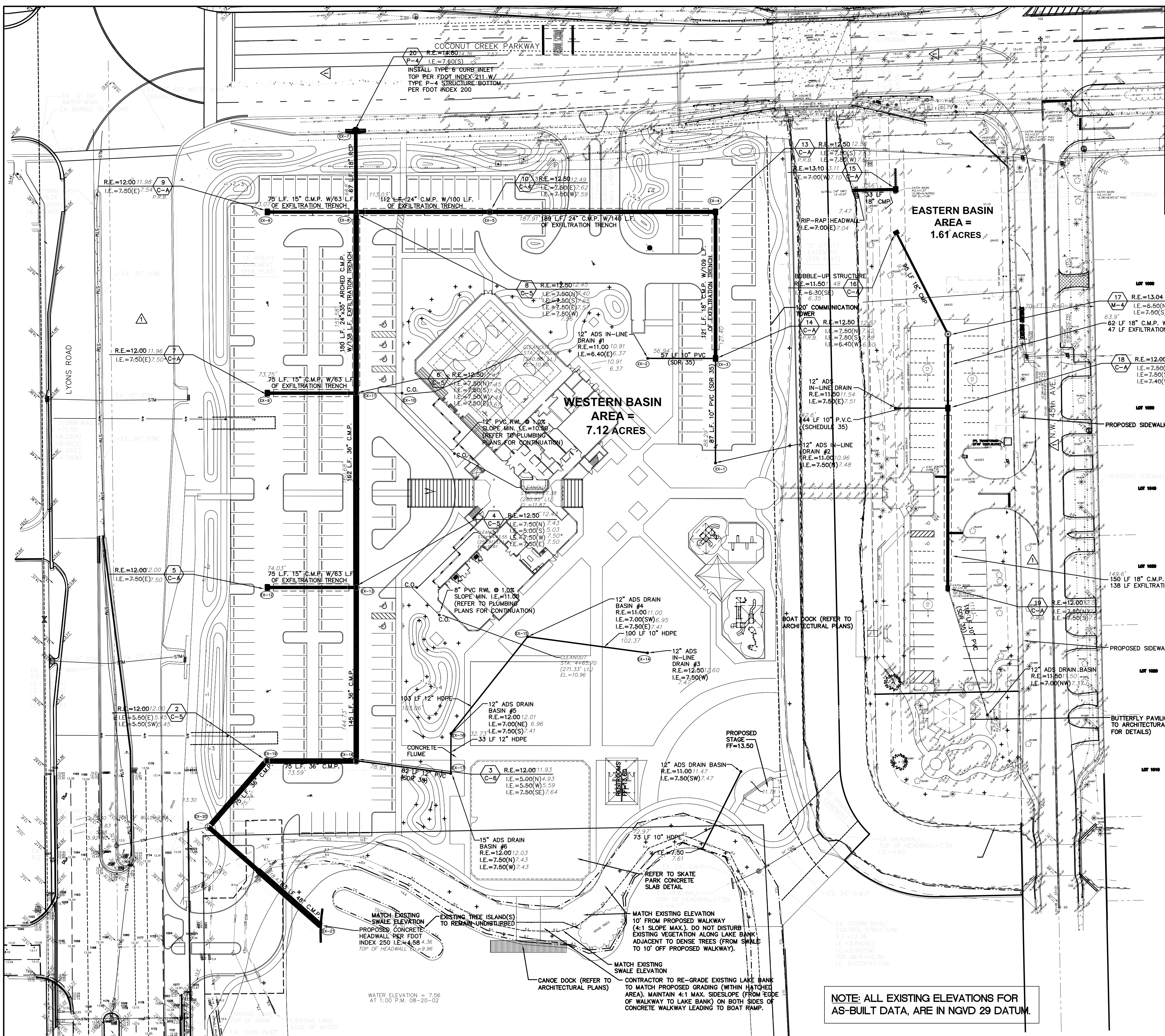
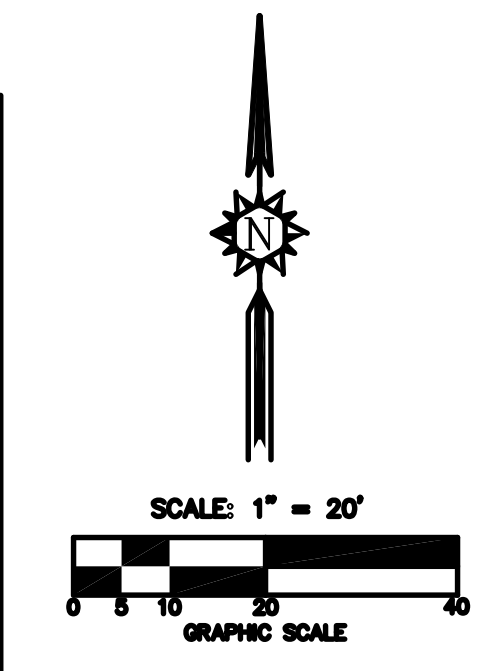
PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
 4316 WEST BROADWAY BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**EXISTING GRADING AND AS-BUILTS**  
 DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

C-3.1



**PROPOSED LEGEND**

- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E. = INDICATES STORM DRAIN RIM ELEVATION
- I.E. = INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- INDICATES EX. DRAINAGE STRUCTURE NUMBER
- INDICATES PROPOSED CONCRETE SECTION (SEE CROSS SECTION FOR DETAILS FOR SPECIFICATIONS, ALLOW WATER LANDSCAPE PLANS FOR DECORATIVE CONCRETE PATTERNS)
- INDICATES STORM INLET WITH EXFILTRATION TRENCH
- PROPOSED STORM MAINTENANCE ACCESS STRUCTURE
- INDICATES CLEANOUT FOR ROOF DRAIN
- INDICATES FINISH FLOOR ELEVATION
- INDICATES LINEAR FOOTAGE OF PIPE
- INDICATES PROPOSED PAVEMENT CROSS SECTION (SEE CROSS SECTION FOR DETAILS FOR SPECIFICATIONS)

**EXISTING LEGEND**

- PROPERTY LINE
- STIM - STORM SEWER
- SAN - SANITARY SEWER
- WM - WATER MAIN
- FM - FORCE MAIN
- GAS LINE
- FIRE HYDRANT
- GATE VALVE
- PLUG
- SIAMENSE FIRE CONNECTION
- WATER METER
- REDUCER
- PLUG
- SANITARY MANHOLE
- SANITARY CLEANOUT
- CATCH BASIN
- STORM MANHOLE
- POLE POLE
- POLE ANCHOR
- LIGHTPOLE
- SPOT ELEVATION
- EXISTING EASTERN BASIN AREA (1.61 ACRES)

**COMMUNITY CENTER EXISTING DRAINAGE STRUCTURES**

STRUCT. NO.	STRUCT. DESCRIPTION	STRUCT. DIMENSIONS	STRUCT. LOCATION		RIM/GRADE ELEV.				INVERT ELEVATION				REMARKS
			NORTHERN	EASTING	N	S	E	W	N	S	E	W	
EX-1	12" ADS		895125.46	923356.80	9.40	5.92	-	-	-	-	-	-	10" PVC
EX-2	12" ADS		895212.72	923300.19	9.35	-	-	-	4.81	-	-	-	10" PVC
EX-3	CATCH BASIN		895212.67	923356.88	11.01	5.86	6.32	-	4.94	18"	CMP EXT. TR.	-	
EX-4	CATCH BASIN		895334.87	923356.80	10.94	-	6.07	-	6.01	24"	CMP EXT. TR.	-	
EX-5	CATCH BASIN		895334.87	923188.50	10.83	-	-	-	6.06	6.03	24"	CMP EXT. TR.	-
EX-6	CATCH BASIN		895334.87	922982.89	10.42	-	-	-	5.98	-	18"	CMP EXT. TR.	-
EX-7	TYPE 6		895402.79	923056.51	13.12	-	-	-	6.04	-	-	-	18" RCP
EX-8	CATCH BASIN		895334.87	922007.02	10.89	5.84	6.09	6.01	6.00	24"	CMP EXT. TR.	-	
EX-9	CATCH BASIN		895183.77	922982.89	10.40	-	-	-	5.94	-	-	-	15" CMP EXT. TR.
EX-10	CLEANOUT		895183.87	923095.19	-	-	-	-	-	-	-	-	8" PVC
EX-11	CATCH BASIN		895183.77	923057.02	10.86	5.88	5.88	6.05	5.93	36"	CMP	-	
EX-12	CATCH BASIN		895021.80	922982.89	10.44	-	-	-	5.94	-	-	-	15" CMP EXT. TR.
EX-13	CATCH BASIN		895021.80	923057.02	10.87	5.87	3.47	5.94	5.94	36"	CMP	-	
EX-14	12" ADS		894987.01	92300.10	11.04	-	-	-	5.91	10"	HDPE	-	
EX-15	12" ADS		894980.50	92300.12	9.44	-	-	-	5.34(N)	5.85	-	-	12" HDPE
EX-16	12" ADS		894899.79	923136.10	10.45	5.40(N)	5.85	-	-	-	-	-	12" HDPE
EX-17	15" ADS		894866.45	923135.99	10.47	5.87	-	-	-	-	-	-	12" PVC
EX-18	CATCH BASIN		894876.72	923057.04	10.37	3.37	6.00(S)	-	4.03	36"	CMP	-	
EX-19	CATCH BASIN		894876.97	922982.52	10.44	-	-	-	3.89(S)	3.89	-	-	36" CMP
EX-20	MANHOLE		894821.69	922933.91	-	-	-	-	-	-	-	-	48" CMP
EX-21	HEADWALL		894739.53	923027.13	-	-	-	-	-	-	-	-	

EX. INVERT EL. AND RIM EL. DENOTED IN NAVD88  
 THE DATUM CONVERSION FORMULA WAS GIVEN TO CPZ BY WALTER DE LA ROCHA OF STONER & ASSOCIATES ON TUESDAY, JUNE 25TH. THE CONVERSION IS AS FOLLOWS:  
 NAVD88+1.562'-NGVD29

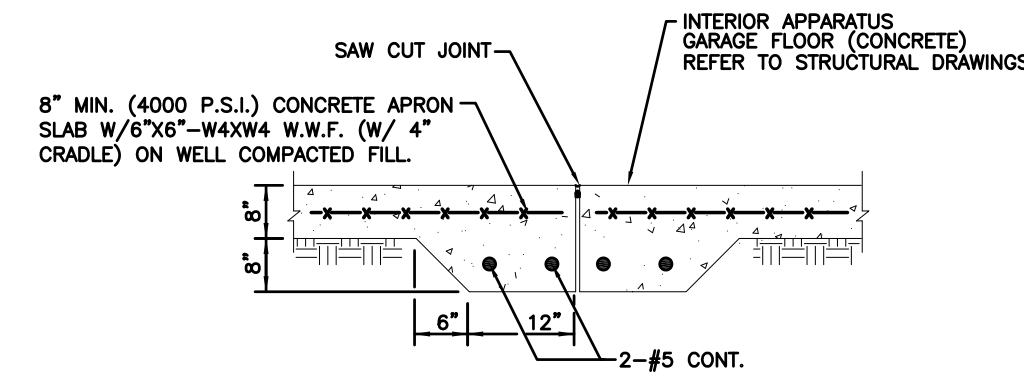
**NOTE: CONTRACTOR TO CLEAN ALL DRAINAGE STRUCTURES AND SYSTEMS IN WESTERN AND EASTERN BASINS (EXISTING AND PROPOSED SYSTEM. PLEASE REFER TO SHEET C-3 FOR PROPOSED AND REMAINING EXISTING SYSTEMS) AS PER THE MODIFICATION TO SURFACE WATER MANAGEMENT LICENSE NO. SWM2003-112-0. CONTRACTOR TO CLEAN WITH VACUUM TRUCKS. THE SCHEDULE OF CLEANING SHALL BE ANTICIPATED AT THE END OF ALL CONSTRUCTION ACTIVITIES, AND WILL BE AT THE DISCRETION OF THE CONTRACTOR, ENGINEER-OF-RECORD, AND CITY OF COCONUT CREEK.**

**NOTE: ALL EXISTING ELEVATIONS FOR AS-BUILT DATA, ARE IN NGVD 29 DATUM.**

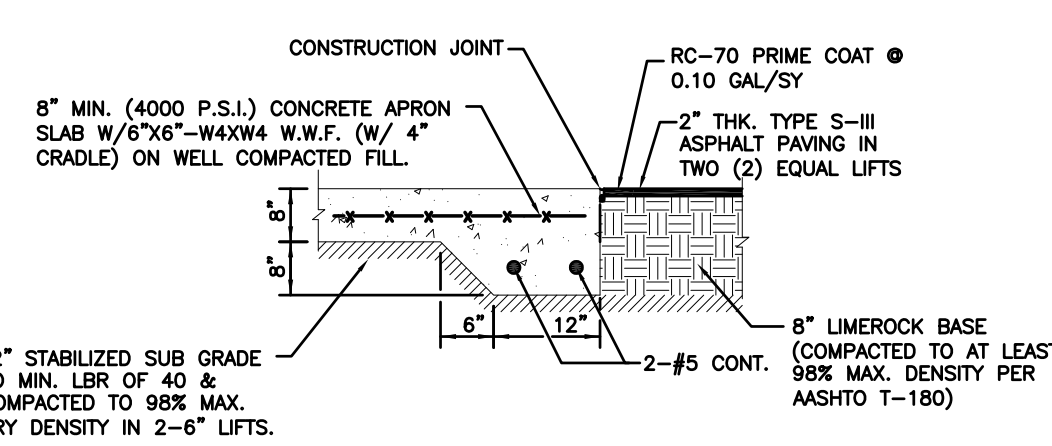
MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

DATE:

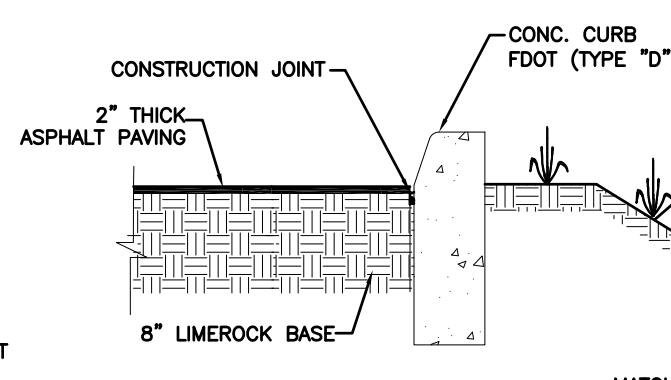
C-3.DWG



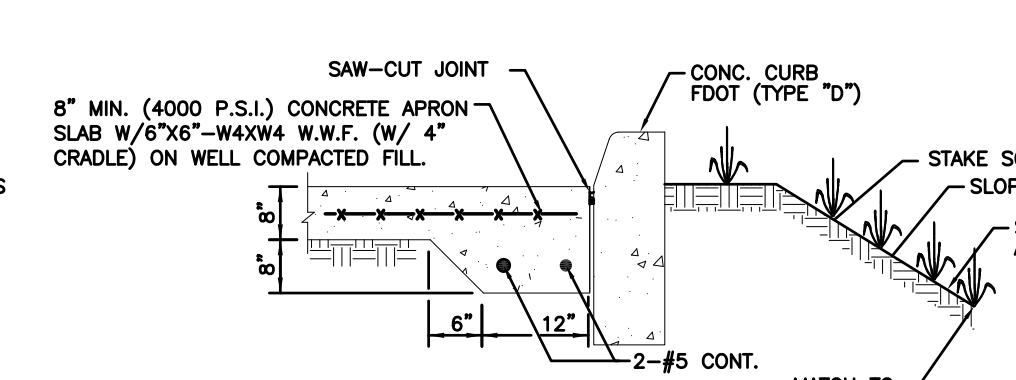
**CONCRETE-CONCRETE CONNECTION DETAIL**



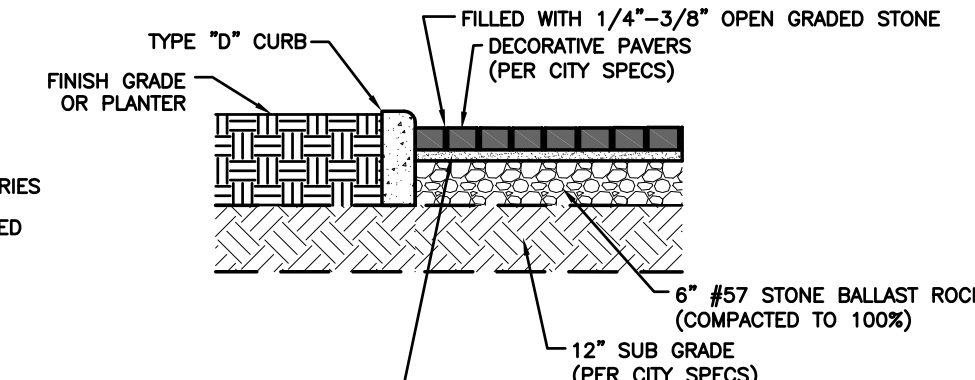
**ASPHALT-CONCRETE CONNECTION DETAIL**



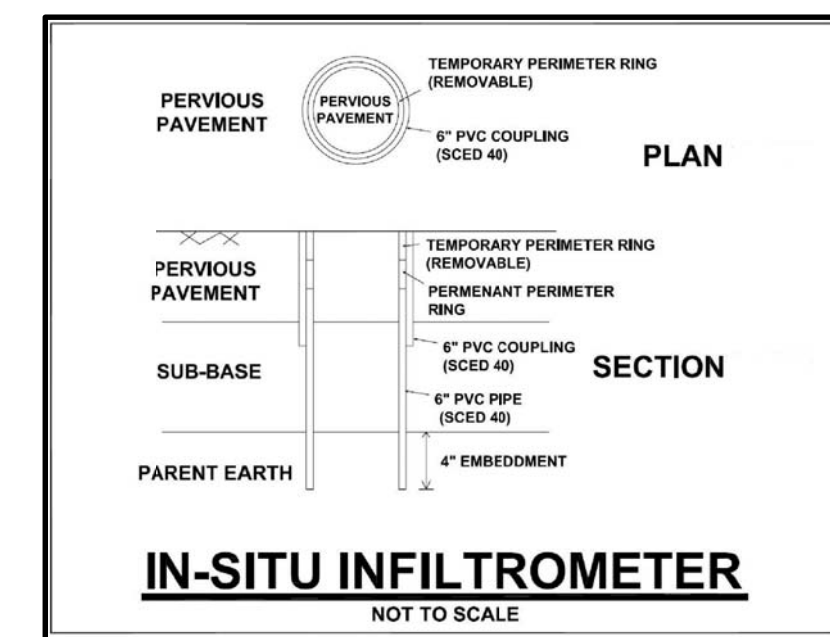
**ASPHALT-TYPE D CURB CONNECTION DETAIL**



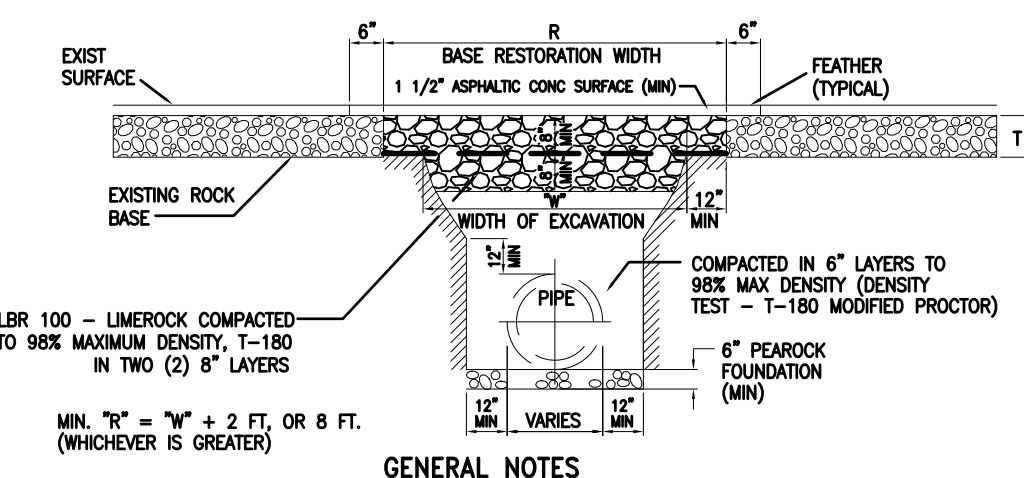
**CONCRETE-TYPE D CURB CONNECTION DETAIL**



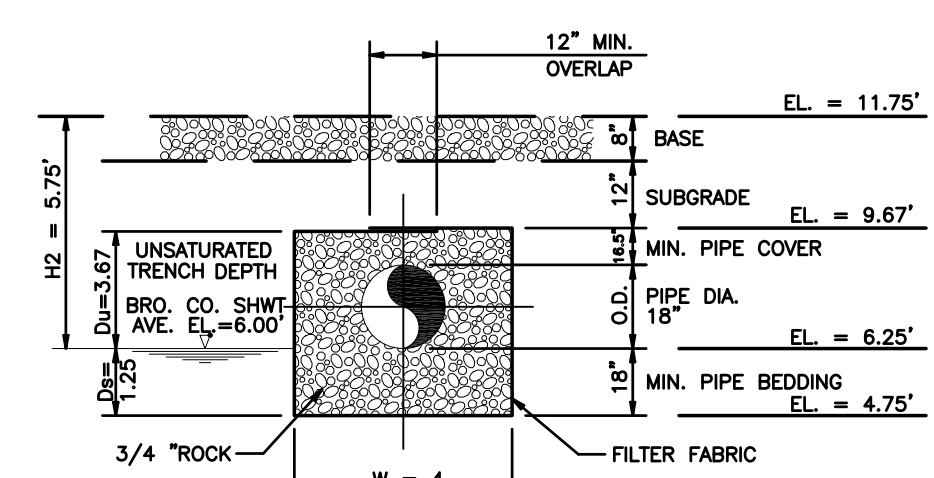
**PERVIOUS PAVER INSTALLATION**



**IN-SITU INFILTROMETER**  
NOT TO SCALE



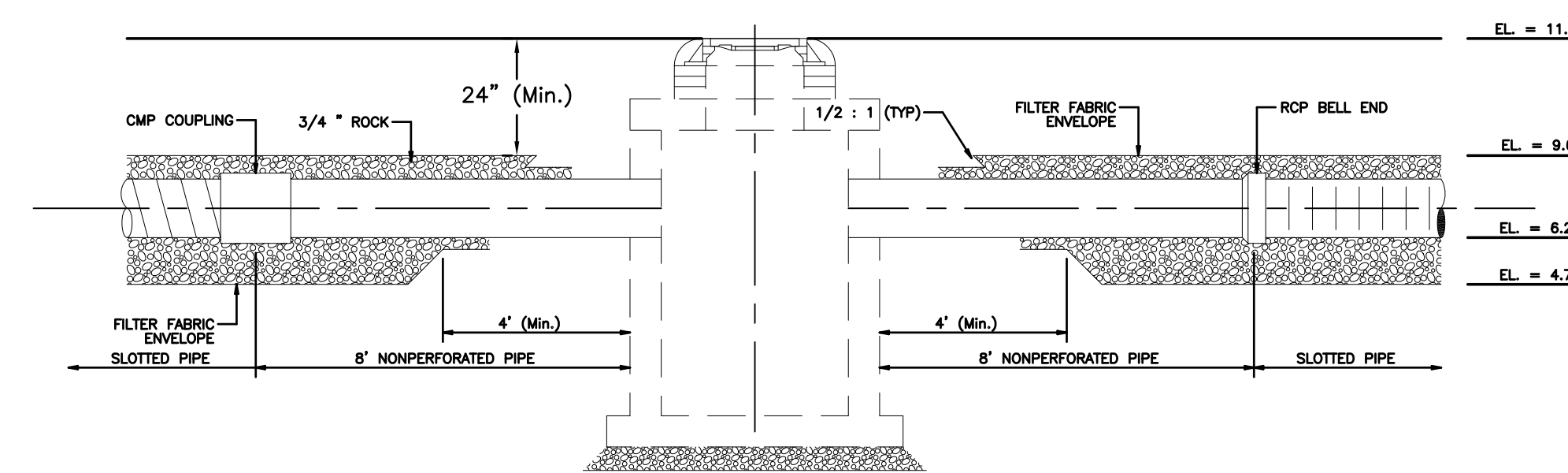
- GENERAL NOTES**
1. BASE AND BACKFILL MATERIALS SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED, OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING EXCAVATION SHALL NOT BE USED.
  2. BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
  3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWEED.
  4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
  5. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
  6. PLACE PRIME COAT ON COMPACTED BASE AND TACK ON EXISTING ASPHALT CONCRETE SURFACES AND EDGES.
  7. COMPACTION TESTS SHALL BE TAKEN AS DIRECTED BY THE CITY ENGINEER AND PAID FOR BY THE PERMITTEE. A MINIMUM OF ONE PER CROSSING OR ONE PER 100-FT PARALLEL CONSTRUCTION WILL BE REQUIRED.



**TYPICAL EXFILTRATION TRENCH**

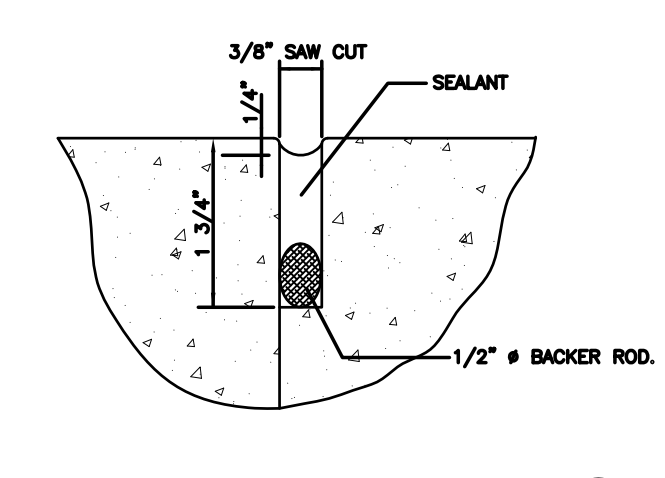
**Fig. 370**

- L = LENGTH OF TRENCH REQUIRED (FEET)  
V = VOLUME TREATED (ACRE - INCHES)  
W = TRENCH WIDTH (FEET)  
K = HYDRAULIC CONDUCTIVITY (CFS/FT<sup>2</sup> FT. HEAD)  
H<sub>2</sub> = DEPTH TO WATER TABLE (FEET)  
D<sub>u</sub> = NON-SATURATED TRENCH DEPTH (FEET)  
D<sub>s</sub> = SATURATED TRENCH DEPTH (FEET)



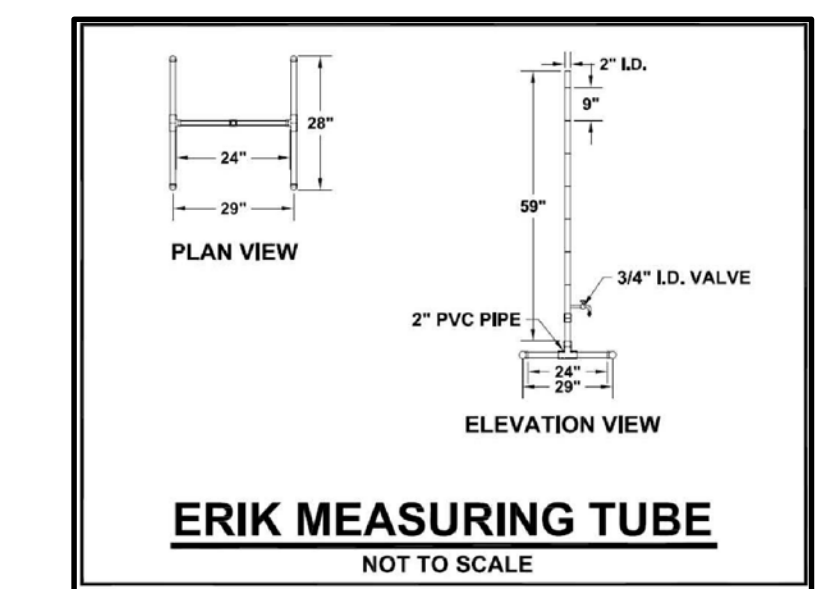
**EXFILTRATION TRENCH LONGITUDINAL SECTION**

**Fig. 371**



**EXPANSION JOINT DETAILS**

- A = SAW-CUT JOINT  
B = CONSTRUCTION JOINT (NO SAW-CUT)

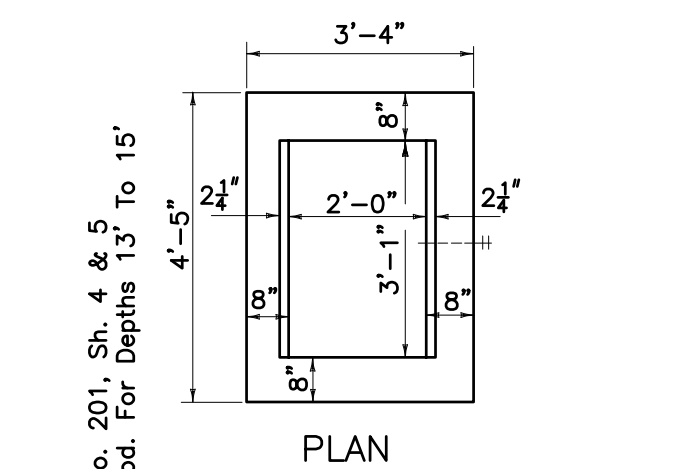


**ERIK MEASURING TUBE**  
NOT TO SCALE

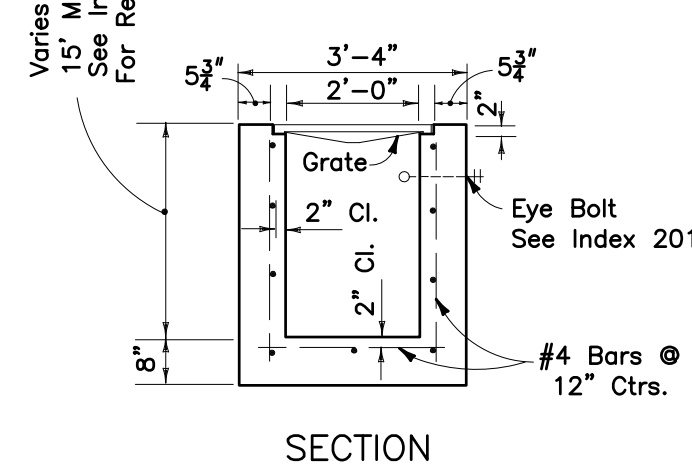
**EMBEDDED RING INFILTROMETER KIT (ERIK)**

**RESTORATION OF FLEXIBLE PAVEMENT - CROSSINGS**

**Fig. 302**



**PLAN**



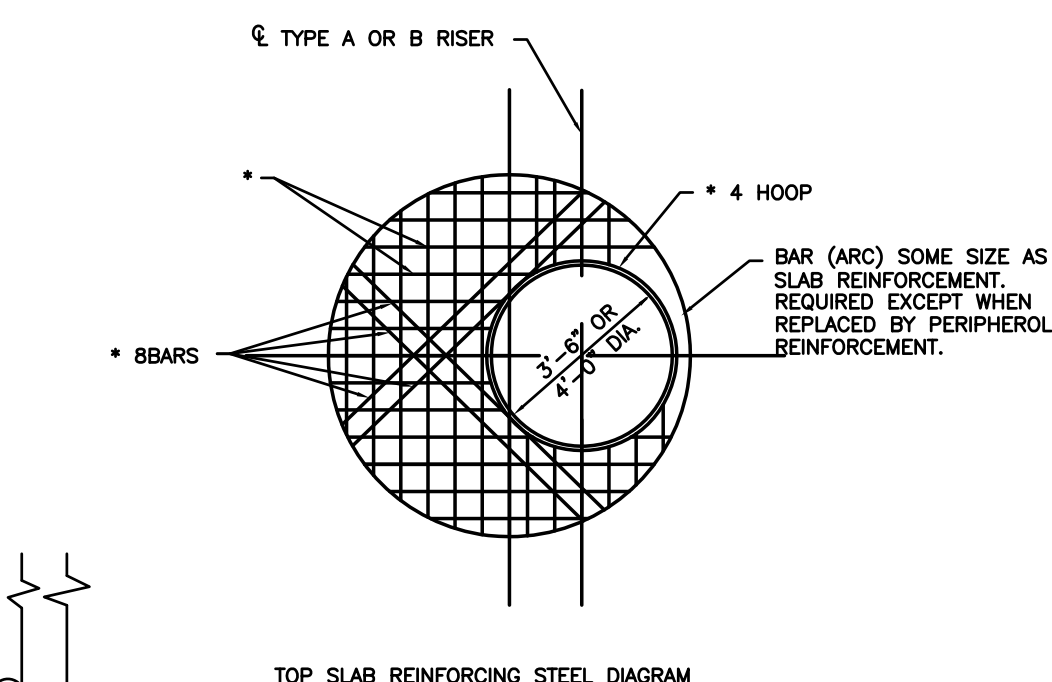
**SECTION**

**TYPE 'C'**  
FOOT INDEX 232

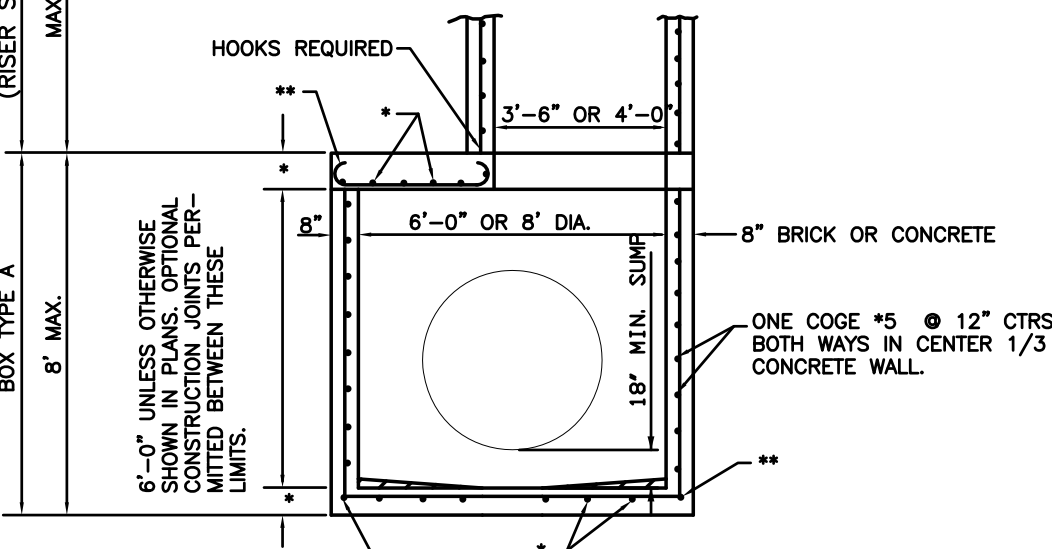
- Recommended Maximum Pipe Size:  
2'-0" Wall-18" Pipe  
3'-1" Wall-24" Pipe

**STORM INLET DETAIL TYPE 'C' (1 OF 6)**

**Fig. 309A**



**TOP SLAB REINFORCING STEEL DIAGRAM**

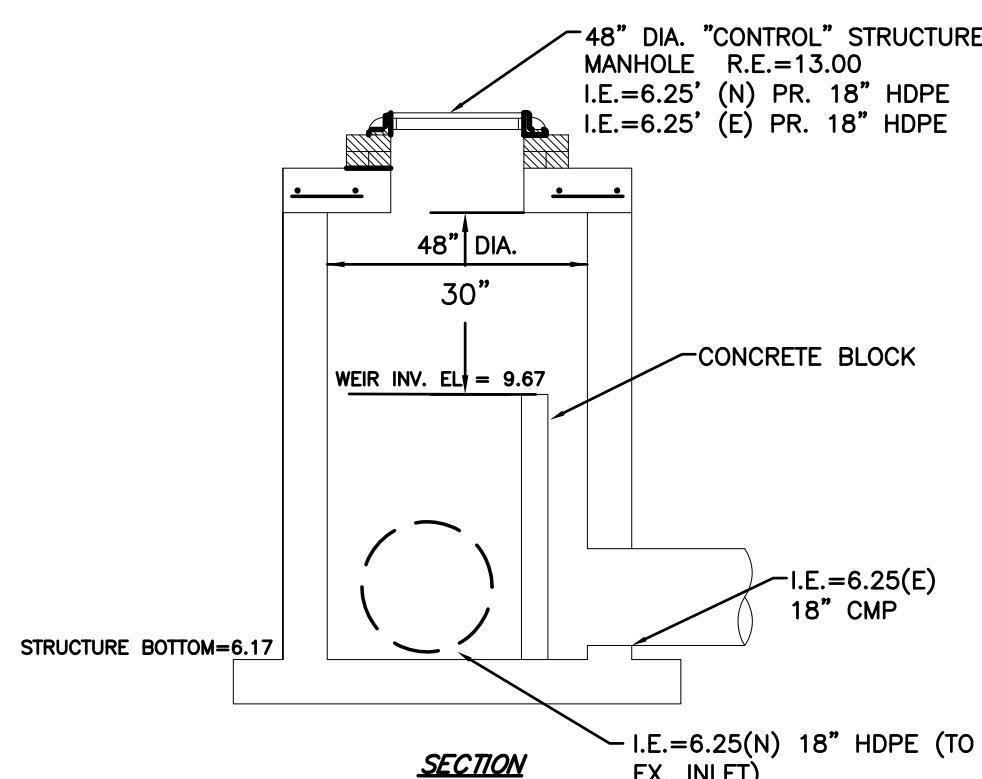


**ALTERNATE A**

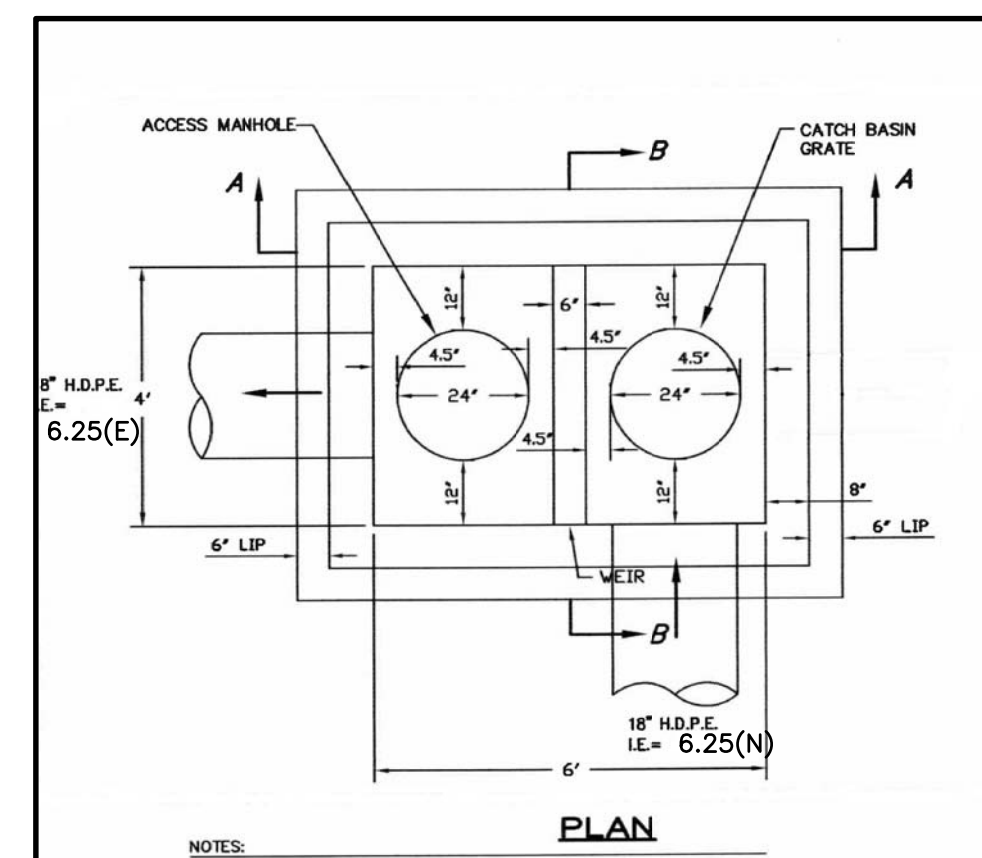
**TYPE 'J' STRUCTURE**

**Fig. 384**

- \* SEE F.D.O.T. INDEX 200 FOR SLAB REINFORCEMENT  
\*\* PERIPHERAL BARS OR STRAIGHT END EMBEDMENTS MAY BE USED IN LIEU OF STANDARD HOOKS, IN ACCORDANCE WITH DETAILS INDEX No. 201, Sh. 3 of 5. REFER TO F.D.O.T. INDEX No. 200



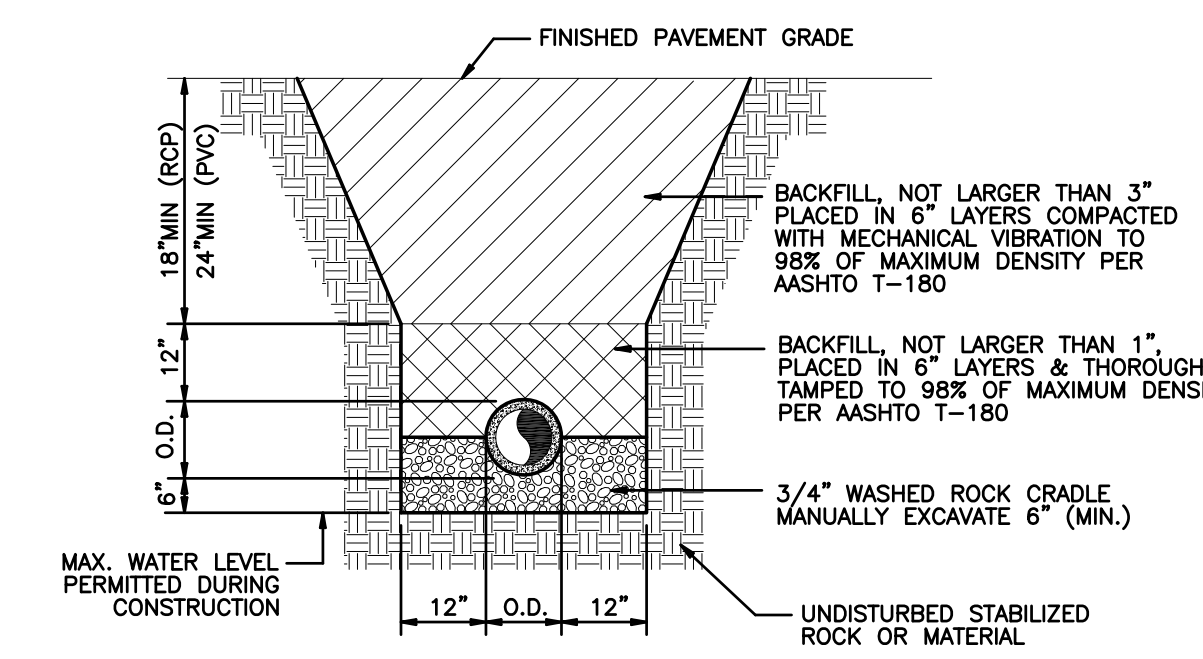
**SECTION**



**PLAN**

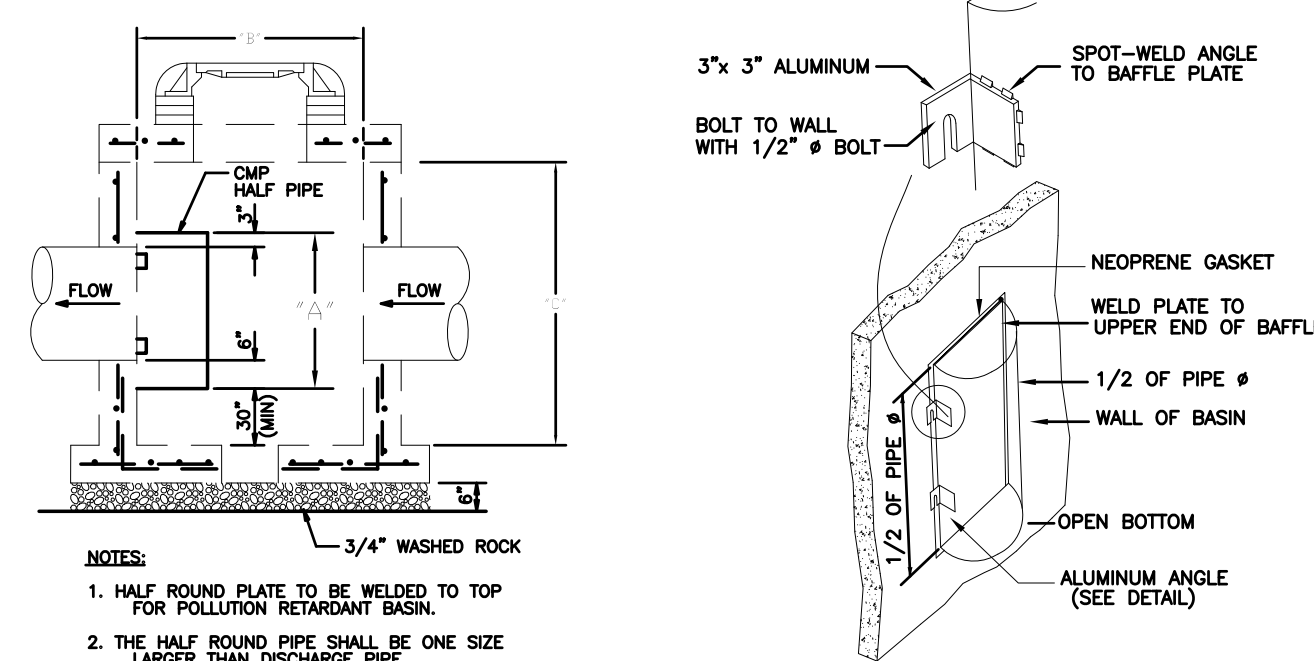
**CONTROL STRUCTURE**  
N.T.S.

- NOTES:  
1.) 4' x 6' STORM STRUCTURE PER U.S. PRECAST COMPANY (USP) PRODUCT NO. 3-7.



**PIPE INSTALLATION TRENCH DETAIL**

**Fig. 374**



**NOTES:**

1. HALF ROUND PLATE TO BE WELDED TO TOP FOR POLLUTION RETARDANT BASIN.
2. THE HALF ROUND PIPE SHALL BE ONE SIZE LARGER THAN DISCHARGE PIPE.
3. FOR STRUCTURE'S CONSTRUCTION DIMENSIONS AND SPEC'S, SEE PRECAST CATCH BASIN DETAIL.
4. WEEP HOLES ARE NOT PERMITTED IN WELDED AREAS.

PIPE DIAMETER	BAFFLE SCHEDULE		
	"A"	"B"	"C"
15"	27"	24"	37"
18"	30"	24"	37"
24"	36"	36"	36"
30"	42"	36"	42"
36"	48"	42"	54"
42"	54"	56"	56"
48"	60"	48"	60"
60"	72"	72"	72"

**POLLUTION RETARDANT BAFFLE**  
Fig. 375

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

PROPOSED NEW FIRE STATION 50  
NW 45 AVE.  
NW 43 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8825 FAX: (954) 337-0359  
AA 12600688 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**PAVING, GRADING AND DRAINAGE DETAILS**

DRAWN C.E.O.  
CHECKED M.A.F.  
DATE 11/03/2014  
SCALE AS NOTED  
PROJ. NO. CNK-1018  
SHEET:

**C-4**

DATE:



CONSULTANT:  
**CPZ**

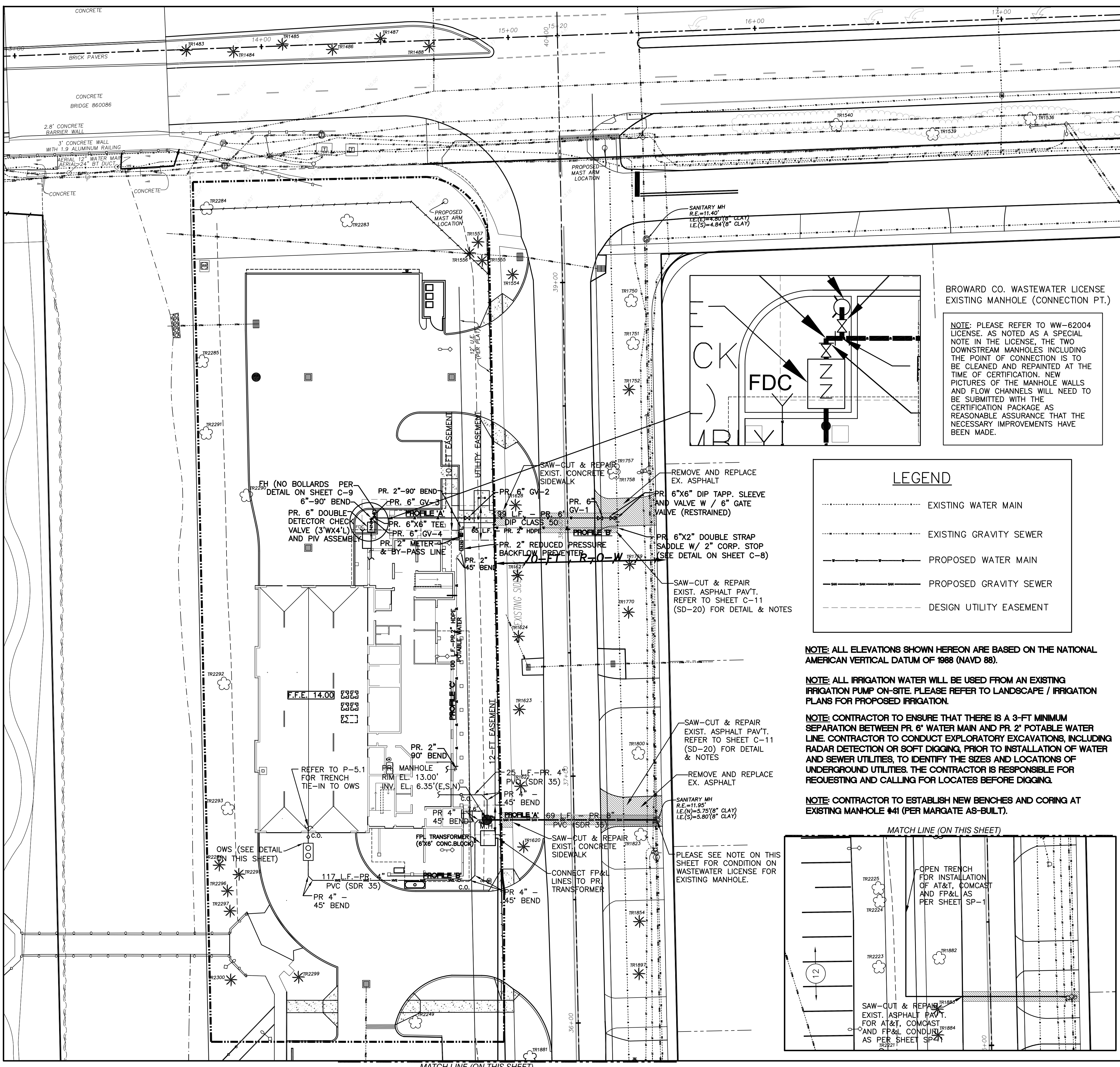
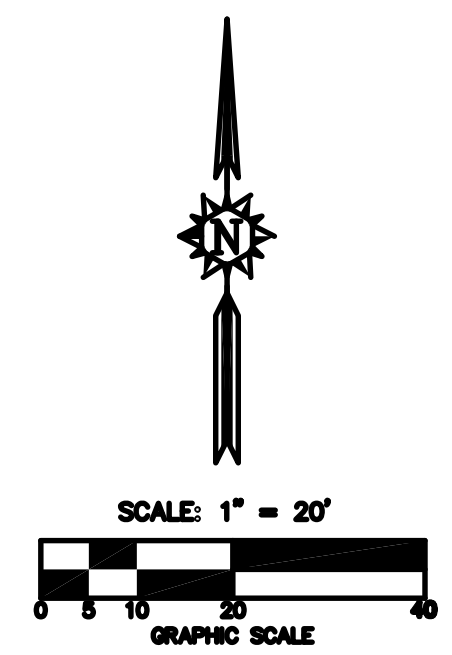
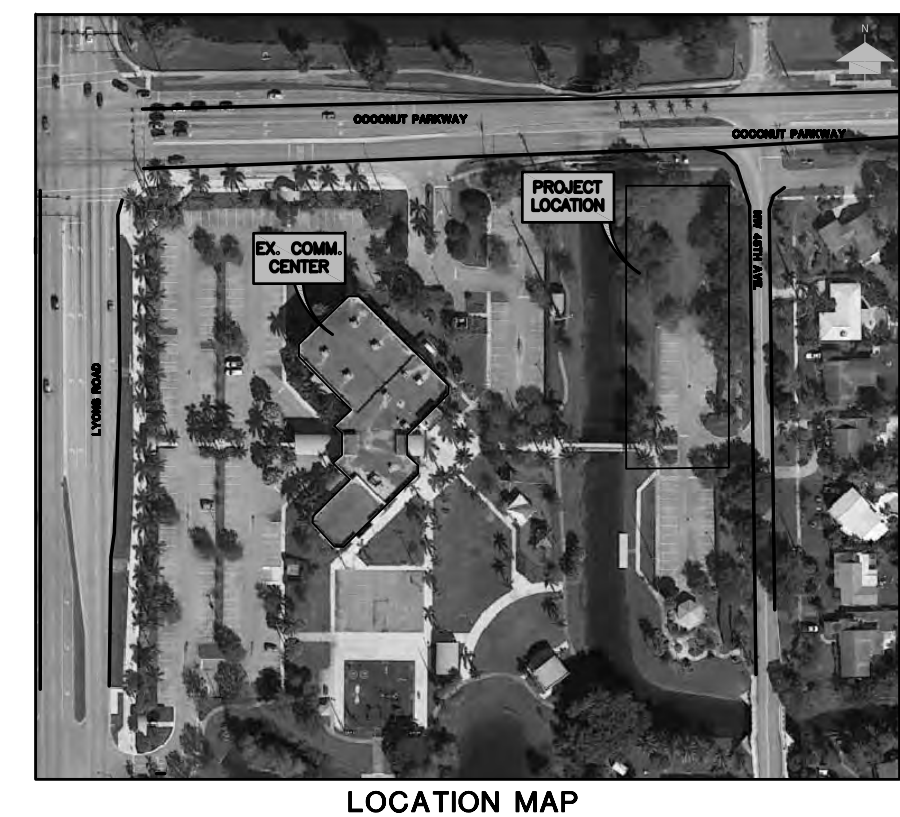
**PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.**  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
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 AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**WATER AND SEWER PLAN**  
 DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

**C-5**



BROWARD CO. WASTEWATER LICENSE  
 EXISTING MANHOLE (CONNECTION PT.)

NOTE: PLEASE REFER TO WW-62004 LICENSE. AS NOTED AS A SPECIAL NOTE IN THE LICENSE, THE TWO DOWNSTREAM MANHOLES INCLUDING THE POINT OF CONNECTION IS TO BE CLEANED AND REPAINTED AT THE TIME OF CERTIFICATION. NEW PICTURES OF THE MANHOLE WALLS AND FLOW CHANNELS WILL NEED TO BE SUBMITTED WITH THE CERTIFICATION PACKAGE AS REASONABLE ASSURANCE THAT THE NECESSARY IMPROVEMENTS HAVE BEEN MADE.

**LEGEND**

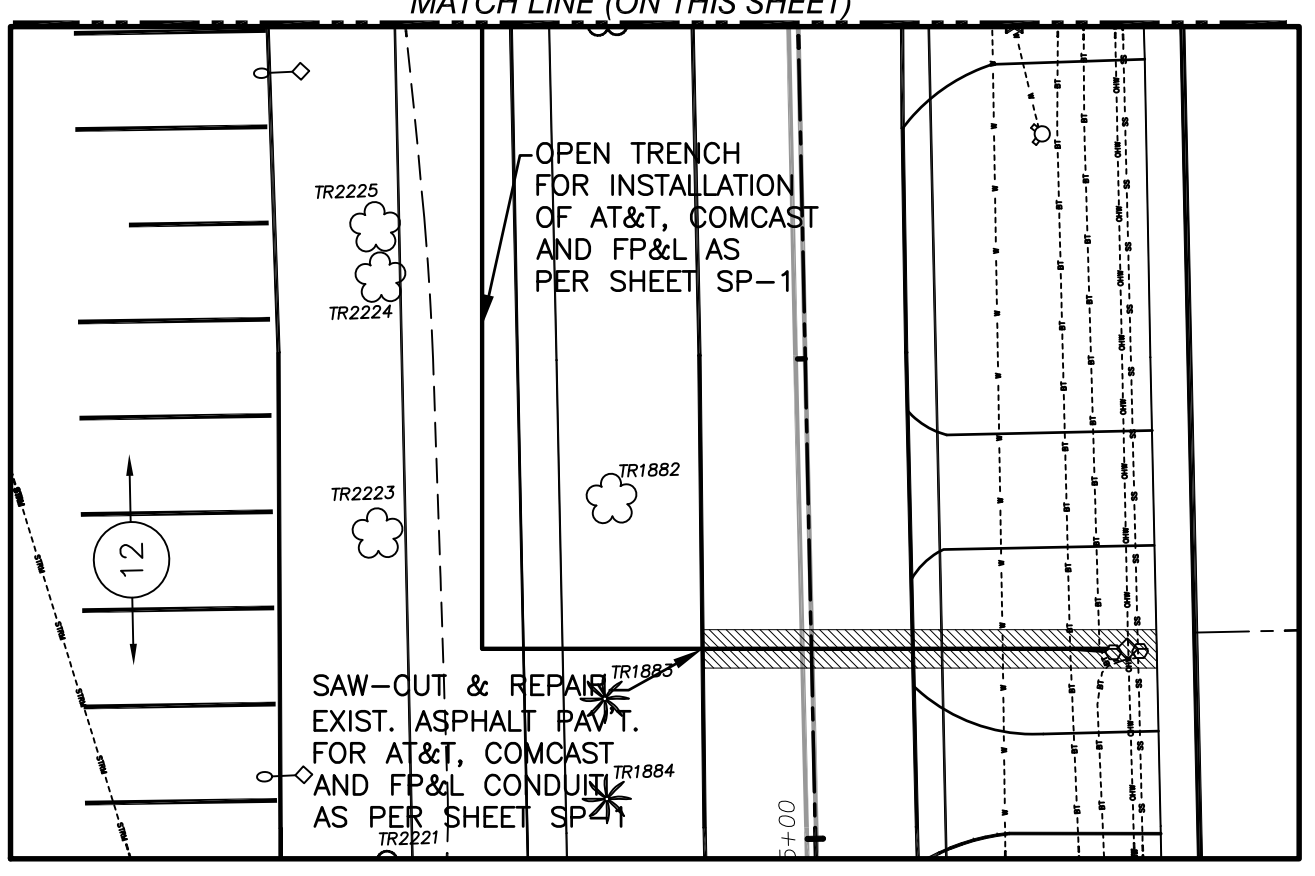
- EXISTING WATER MAIN
- EXISTING GRAVITY SEWER
- PROPOSED WATER MAIN
- PROPOSED GRAVITY SEWER
- DESIGN UTILITY EASEMENT

NOTE: ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

NOTE: ALL IRRIGATION WATER WILL BE USED FROM AN EXISTING IRRIGATION PUMP ON-SITE. PLEASE REFER TO LANDSCAPE / IRRIGATION PLANS FOR PROPOSED IRRIGATION.

NOTE: CONTRACTOR TO ENSURE THAT THERE IS A 3-FT MINIMUM SEPARATION BETWEEN PR. 6" WATER MAIN AND PR. 2" POTABLE WATER LINE. CONTRACTOR TO CONDUCT EXPLORATORY EXCAVATIONS, INCLUDING RADAR DETECTION OR SOFT DIGGING, PRIOR TO INSTALLATION OF WATER AND SEWER UTILITIES, TO IDENTIFY THE SIZES AND LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING AND CALLING FOR LOCATES BEFORE DIGGING.

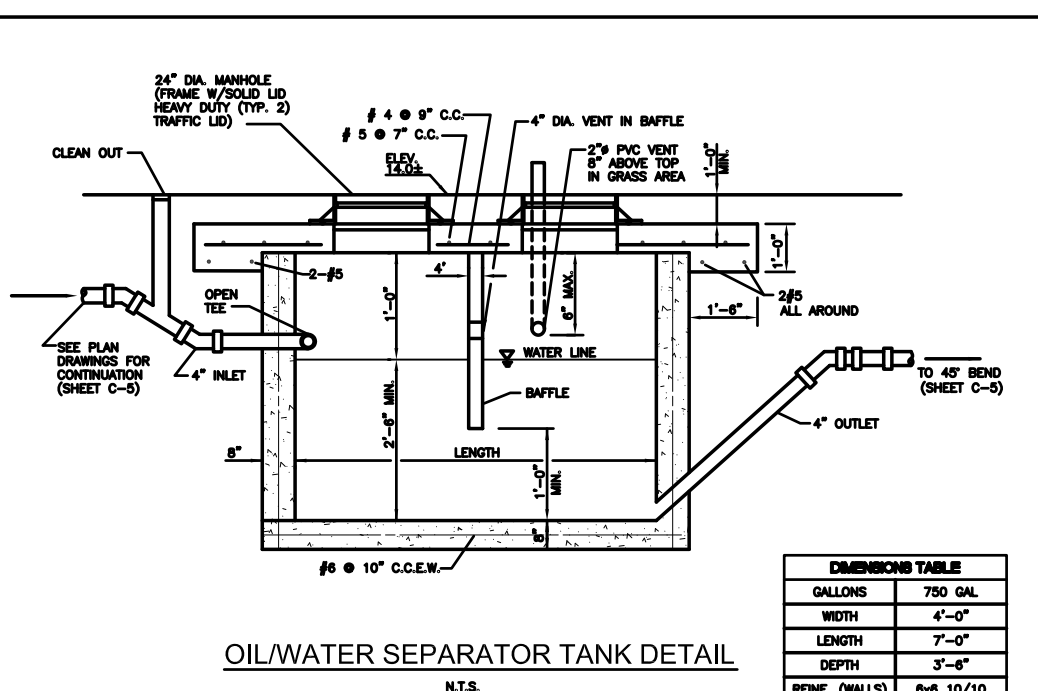
NOTE: CONTRACTOR TO ESTABLISH NEW BENCHES AND CORING AT EXISTING MANHOLE #41 (PER MARGATE AS-BUILT).



**CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES (DEES) NOTES:**

IN ORDERING MATERIALS PLEASE ADHERE TO THESE CITY CODE REQUIREMENTS:

- 1) SEWER PVC PIPE USED SHOULD CONFORM TO ASTM D3034-73, SDR 35 WITH RING TYPE CONNECTIVITY THAT CONFORMS TO ASTM D1869-66. PVC SEWER PIPES REQUIRE A MINIMUM COVER OF 36 INCHES.
  - 2) SEWER DIP PIPE: GRIFFIN (OR EQUIVALENT) PUSH-ON JOINT DUCTILE IRON PIPE. TYTON (OR EQUIVALENT) JOINT, PIPE 3"-24" NOTE: GRIFFIN DIP SEWER PIPE IS COMPLEMENTED BY PROTECTO 401 CERAMIC EPOXY LINING WHICH PROVIDES A HIGH DEGREE OF RELIABILITY FOR DIP PIPE USED IN SEWER PIPE SERVICE.
  - 3) WATER DIP PIPE USED SHOULD CONFORM TO ANSI A21.51 (AWWA C151) WITH WORKING PRESSURE NOT LESS THAN 200 PSI, CLASS 50 FOR 6 INCH AND LARGER.
  - 4) DUCTILE IRON FITTINGS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AWWA STANDARD C110. DUCTILE IRON PIPE AND FITTINGS SHOULD BE CEMENT LINED IN ACCORDANCE WITH AWWA STANDARD C104. DIP PIPES REQUIRE MIN. 30" COVER.
  - 5) HDPE DRAINAGE PIPE (ADS N-12 ST IB), 12"-60", MUST MEET AASHTO M294, TYPE S OR ASTM F2306.
  - 6) GATE VALVES SIX (6) INCHES AND LARGER SHALL BE IRON-BODY, BRONZE-MOUNTED, DOUBLE DISC, NON-RISING STEM, OPENING COUNTERCLOCKWISE WITH 2" SQUARE NUT.
  - 7) VALVE BOXES SHALL BE OF CAST-IRON EXTENSION TYPE WITH NOT LESS THAN A 5-INCH DIAMETER SHAFT AND WITH COVERS MARKED "WATER".
  - 8) FIRE HYDRANTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA SPEC. C502.
  - 9) SEWER CONCRETE STRUCTURES SHOULD BE MADE OF 4,000 PSI @ 28 DAYS, TYPE II CEMENT, 8" THICK WALLS. PIPE OPENINGS SHOULD BE SPACED SO THAT THE STRUCTURAL INTEGRITY OF THE CONCRETE STRUCTURE IS PRESERVED.
  - 10) DRAINAGE CONCRETE STRUCTURES SHOULD BE MADE WITH REBAR-GRADE 60, WELDED WIRE MESH GRADE 65 KSI, MONOLITHIC BASE POUR, 4,000 PSI @ 28 DAYS, 8" WALLS.
  - 11) MANHOLE PAINT: KOPPER 300. FIRST COAT RED, 24 HRS LATER FINAL COAT BLACK.
  - 12) ALL 2" WATER METERS MUST BE COMPOUND METERS WITH A BYPASS BEFORE THE BFP.
- \*\*CONTRACTOR MATERIAL SELECTION TO ADHERE TO CITY OF MARGATE CODE REQUIREMENTS AS FOUND UNDER CHAPTER 39 WATER AND SEWERS - DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES (DEES).



DIMENSIONS TABLE	
GALLONS	750 GAL.
WIDTH	4'-0"
LENGTH	7'-0"
DEPTH	3'-0"
MIN. WALLS	8in 10/10
CONCRETE	2000 PSI 28 DAY

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

CONSULTANT:



**CRJ & Associates, Inc.**  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 10000 SW 15th St., Suite 200, Miami, FL 33184

**PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.**  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8825 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**WATER PROFILE**

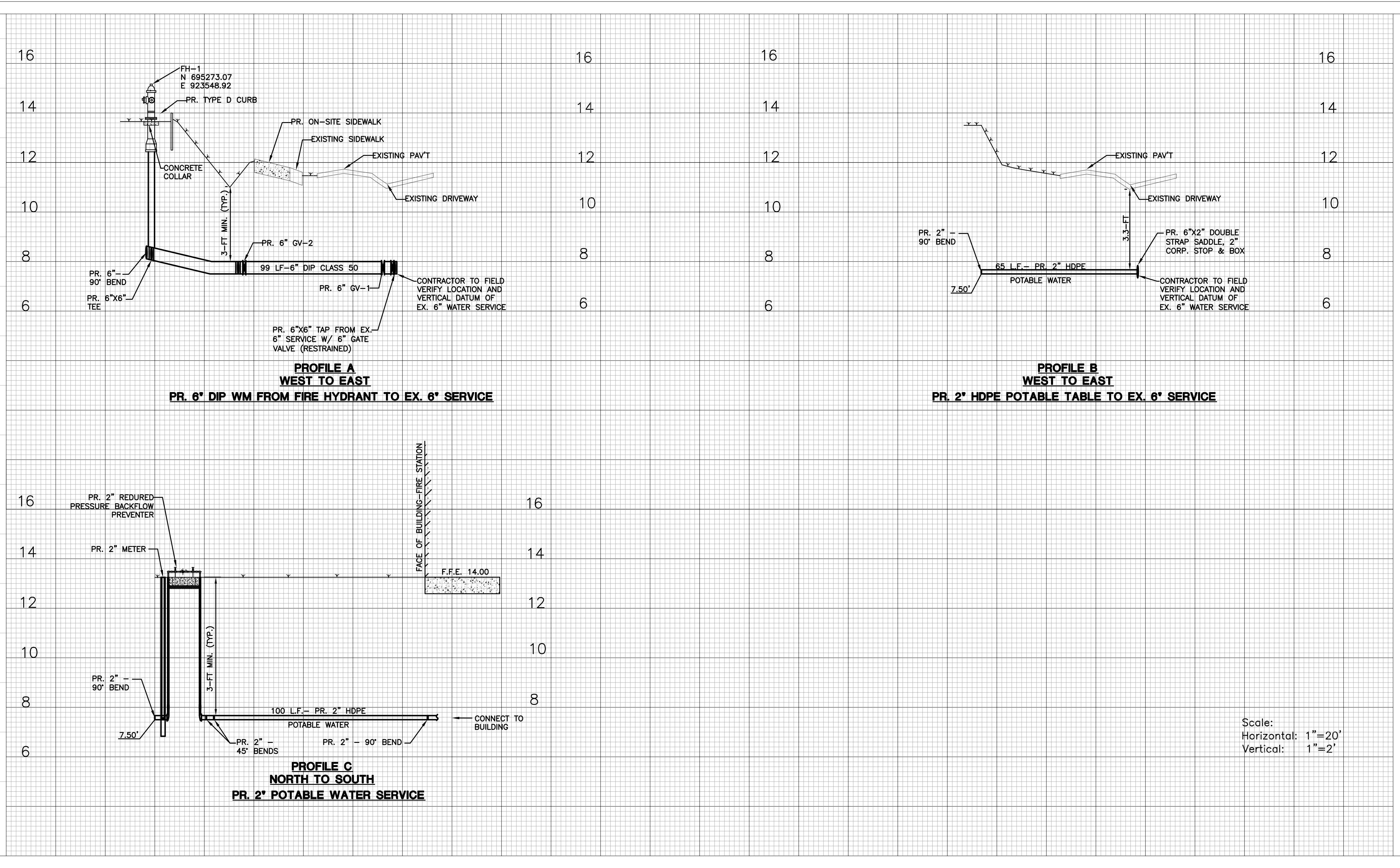
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 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

**MARC A. FERMANIAN, P.E.**  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

**C-6**

DATE:

C-6-7.DWG



CONSULTANT:



CRJ & Associates, Inc.  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 P.E. # 12612-0001 - Tel. 904-231-0111

PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
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 AA 12600685 WWW.CPZARCHITECTS.COM

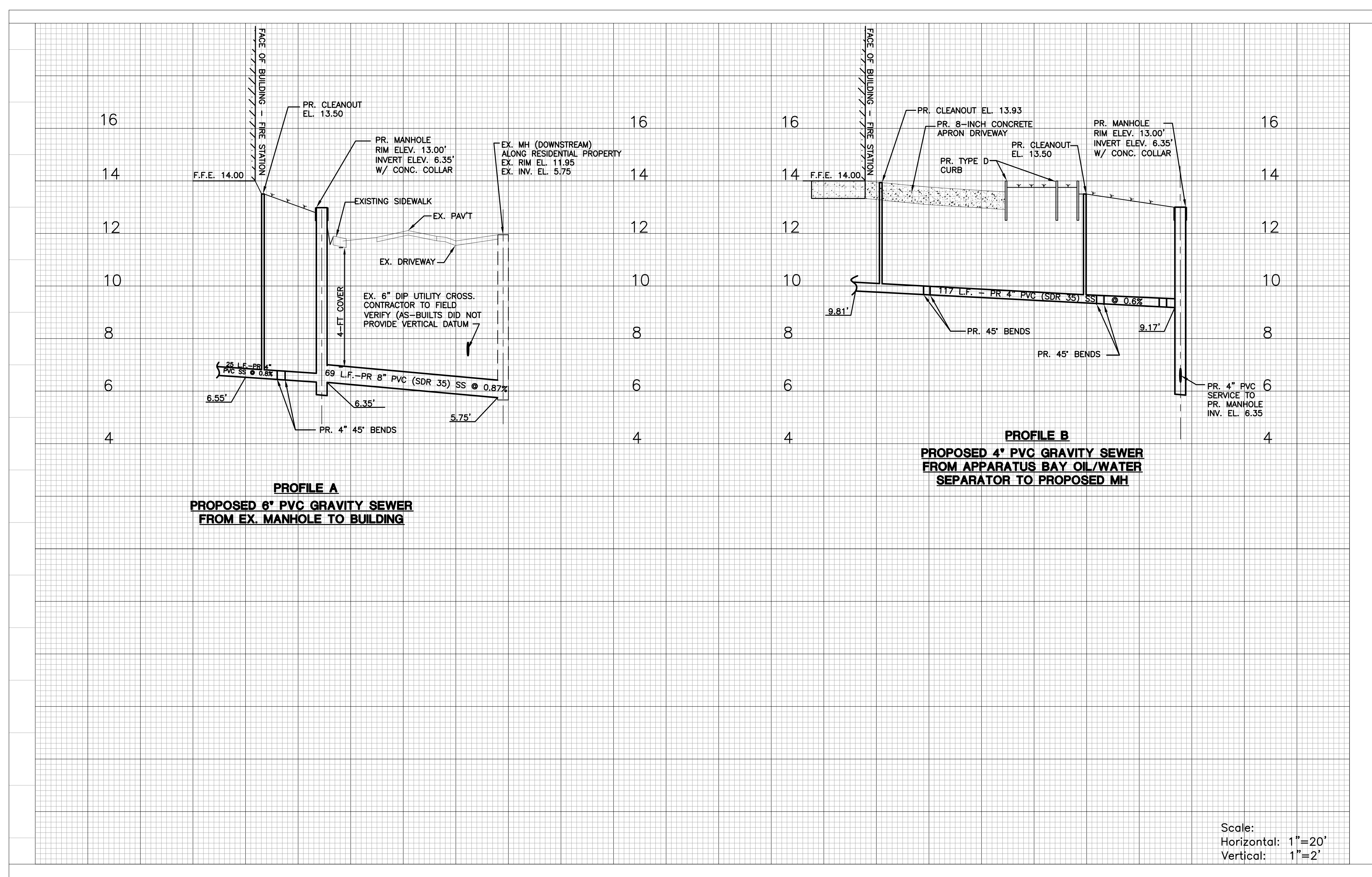


DRAWING TITLE:  
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 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

DATE:

C-7



C-6-7.DWG

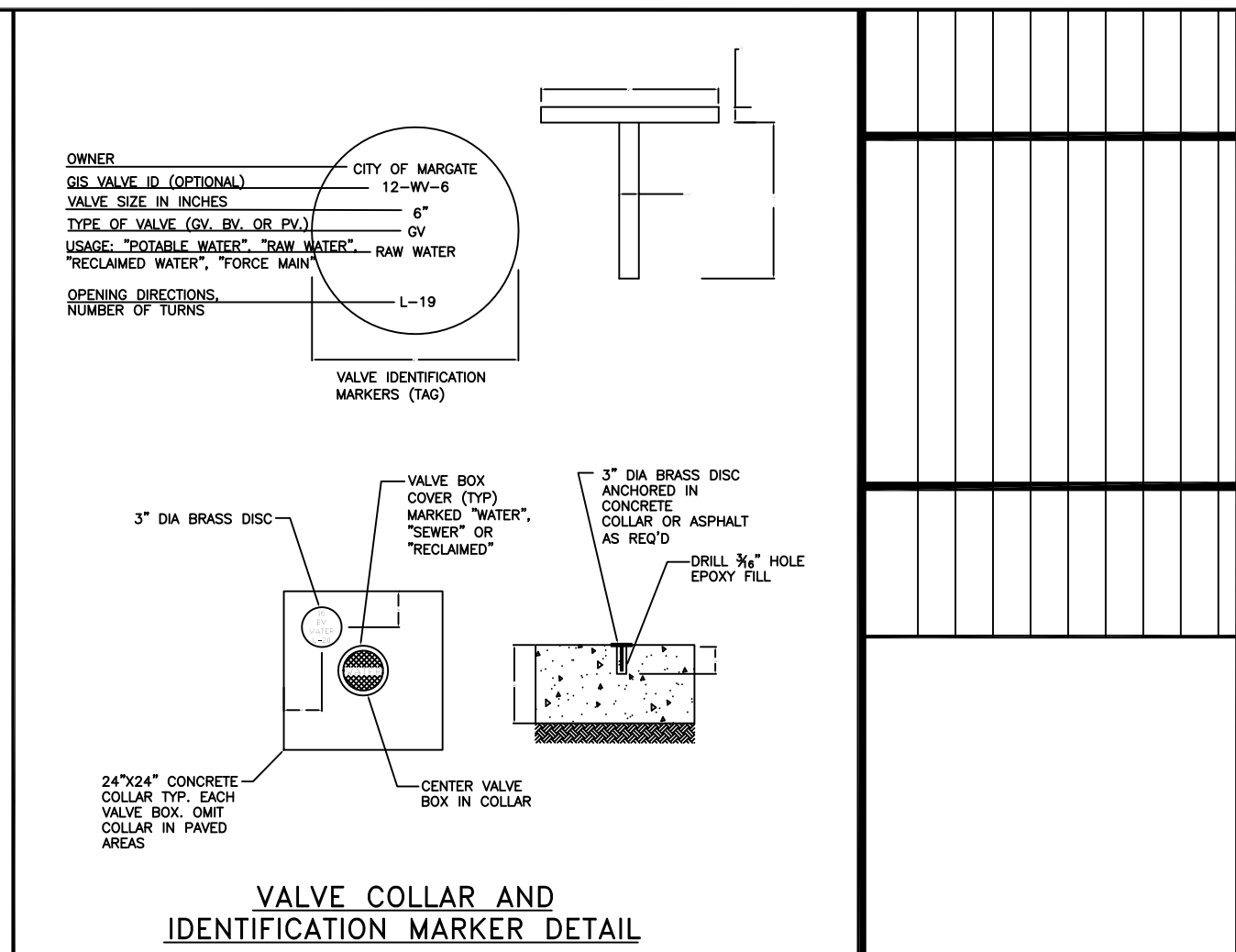


**CITY OF MARGATE  
BROWARD COUNTY, FLORIDA**  
WATER DETAILS

APPROVED BY \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_  
DETAILS \_\_\_\_\_

MARC A. FERMANIAN, P.E.  
PROFESSIONAL ENGINEER NO. 52626  
STATE OF FLORIDA

DATE:



LAYING CONDITION: TYPE 4 (PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO THE DEPTH OF 1/8 PIPE DIAMETER, 4 INCHES MINIMUM. BACKFILL COMPACTED TO TOP OF PIPE).

DEPTH OF COVER: 2.5 FEET

WORKING PRESSURE: 150 P.S.I.

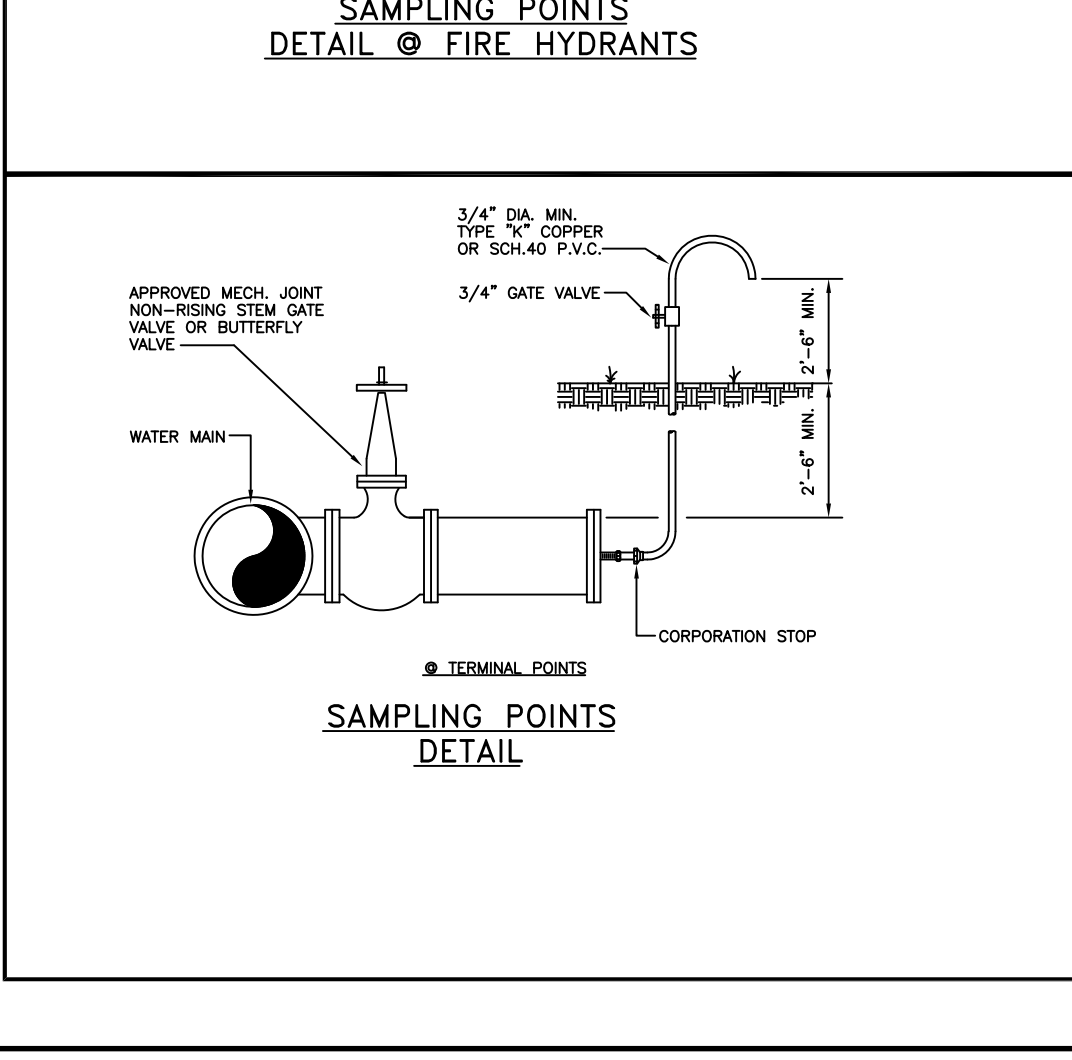
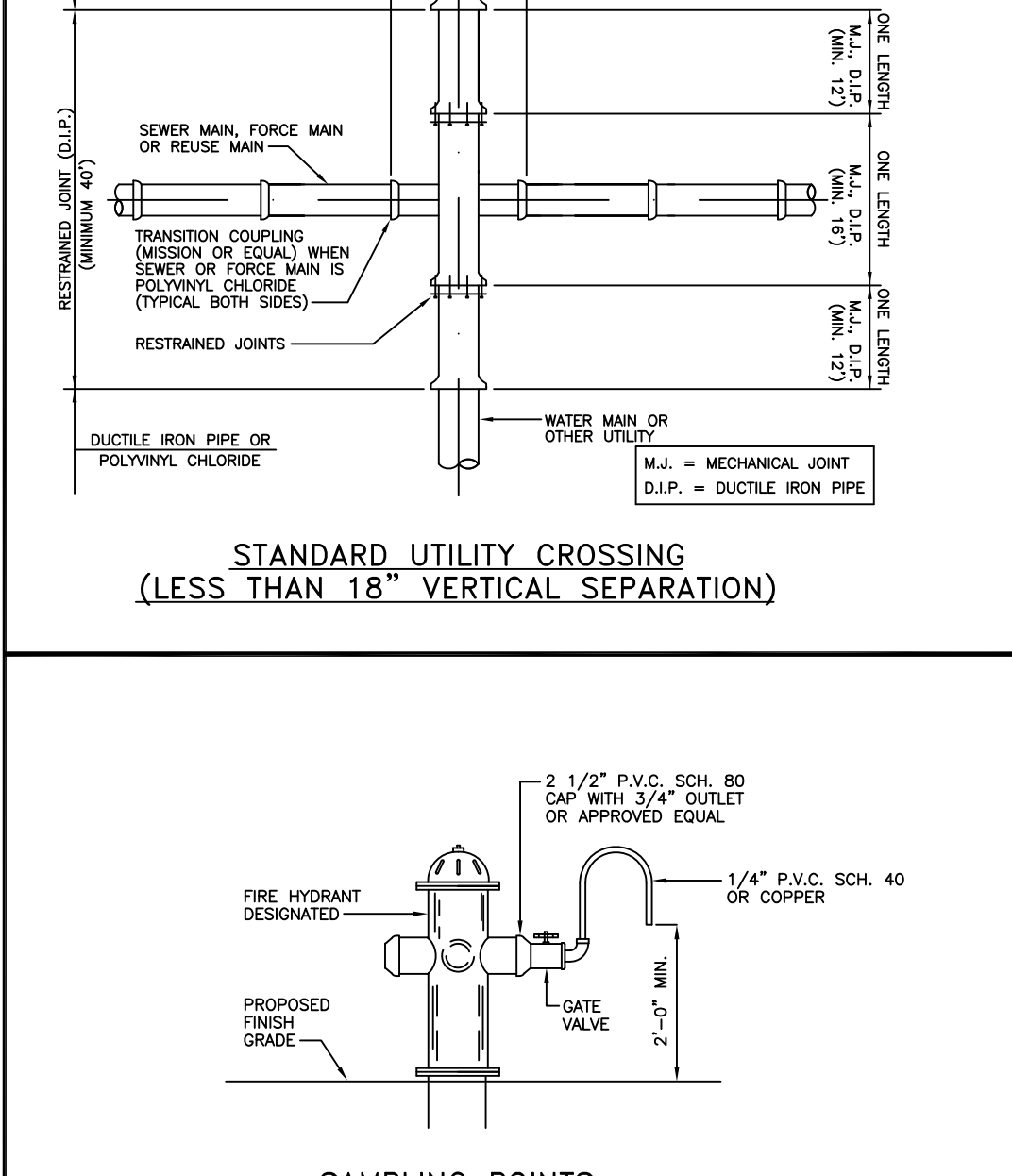
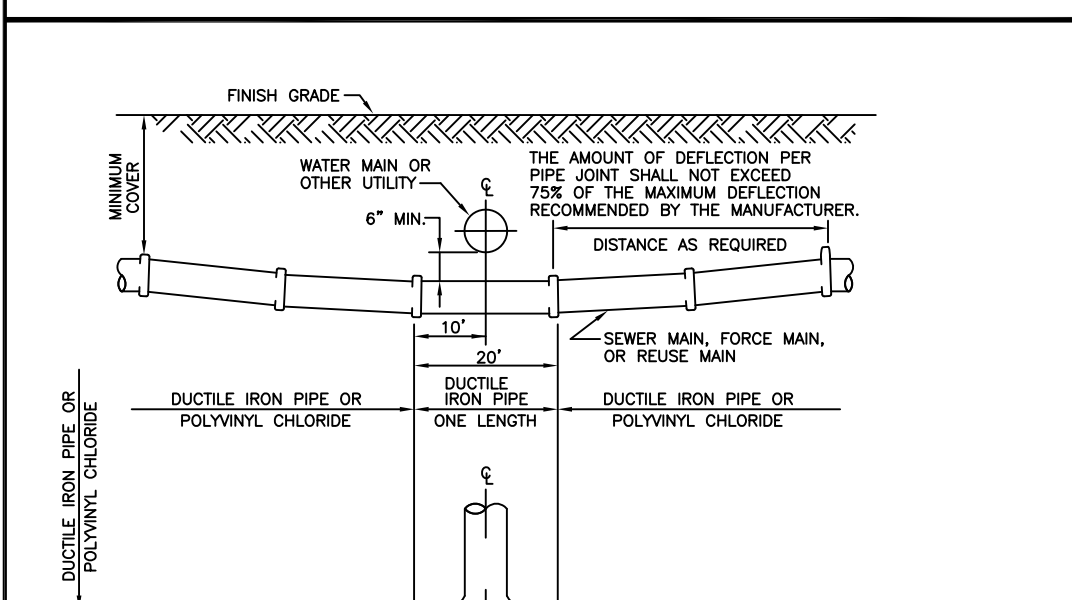
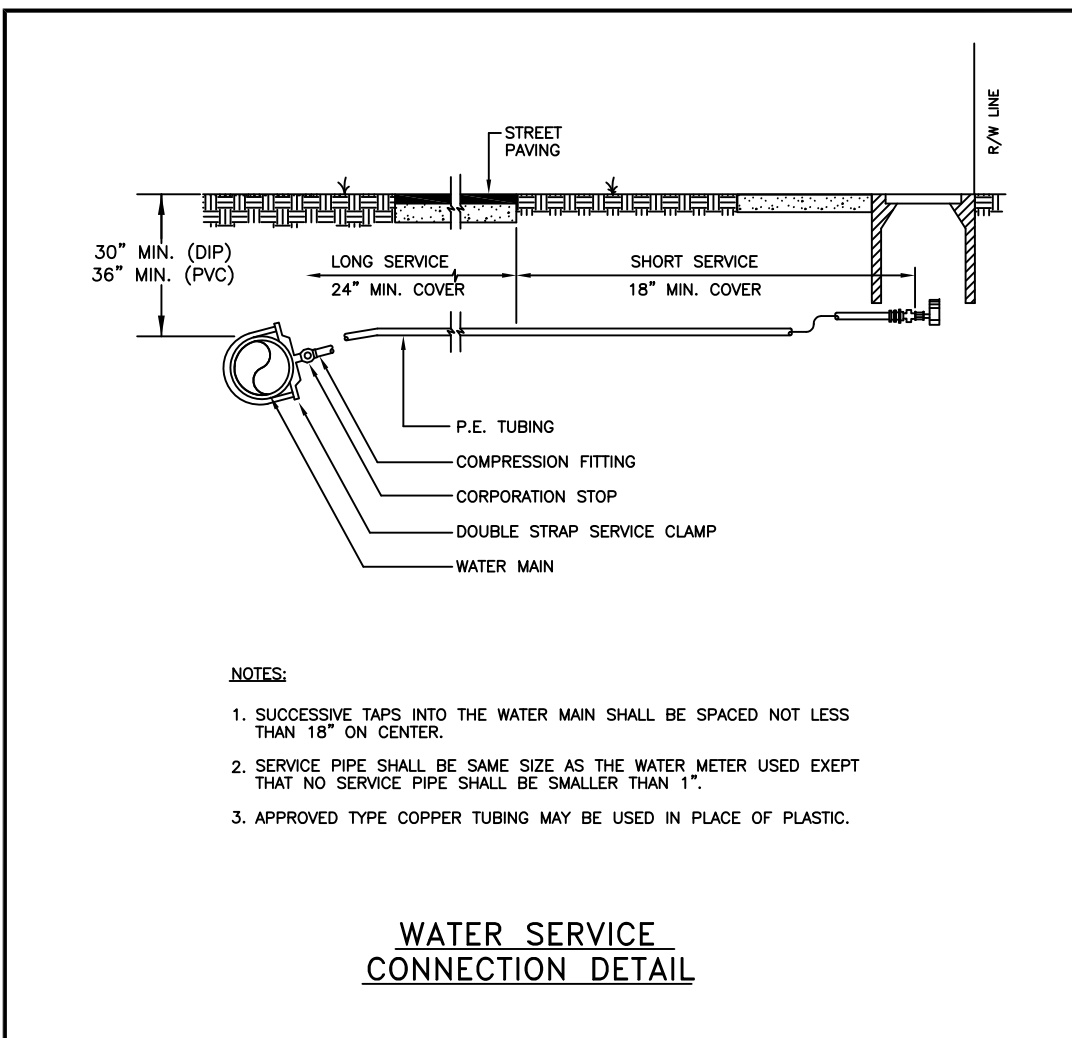
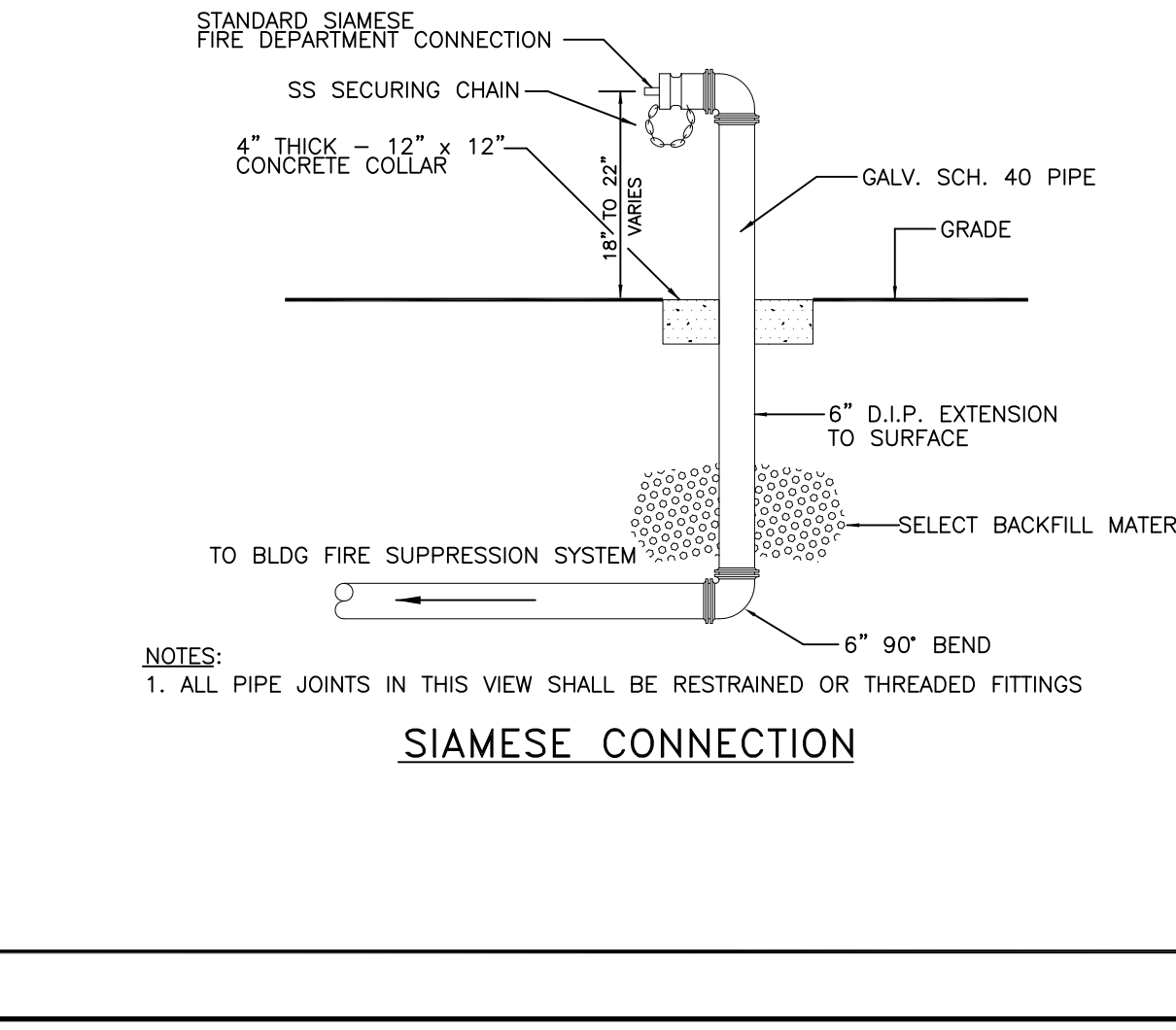
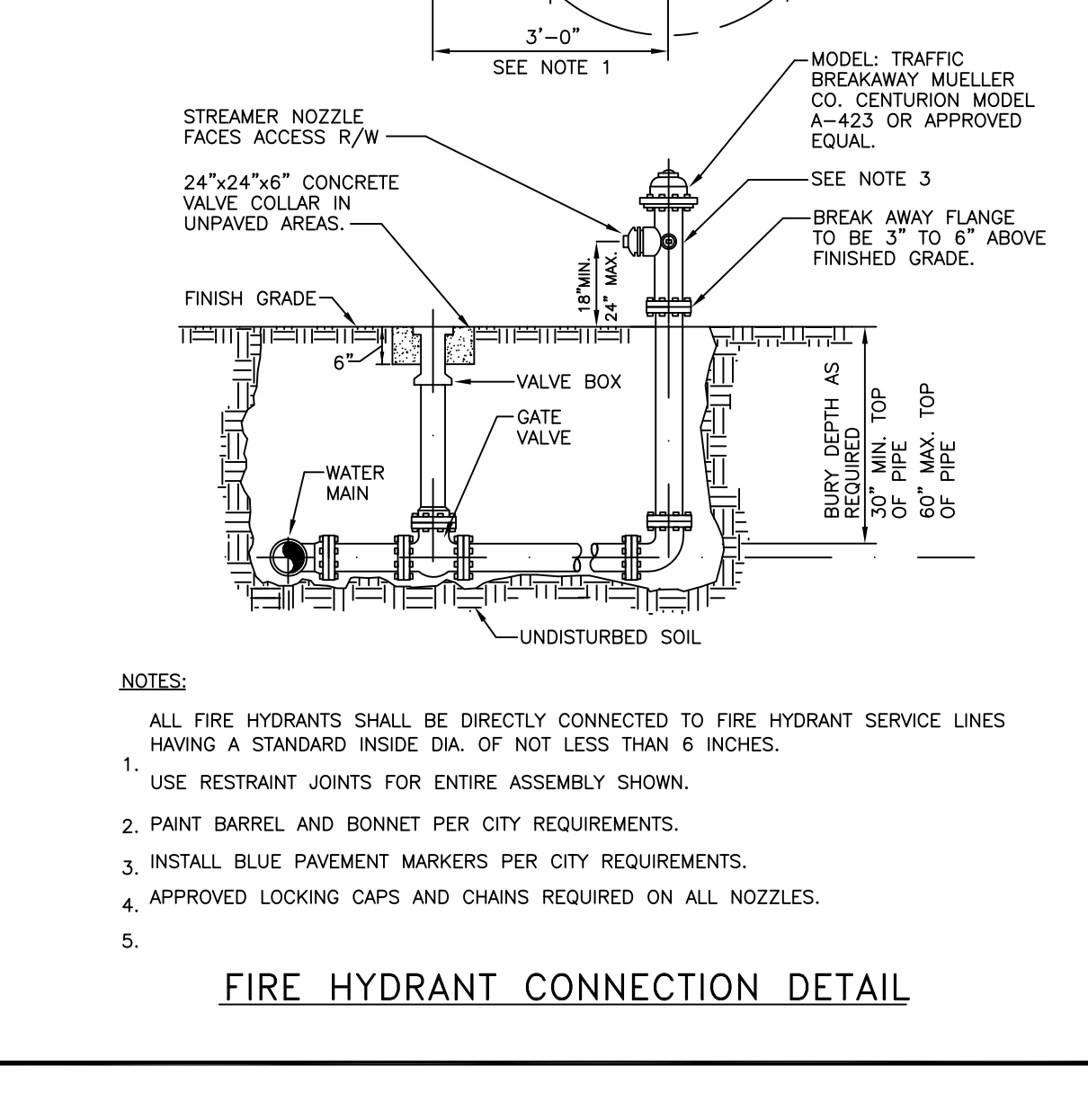
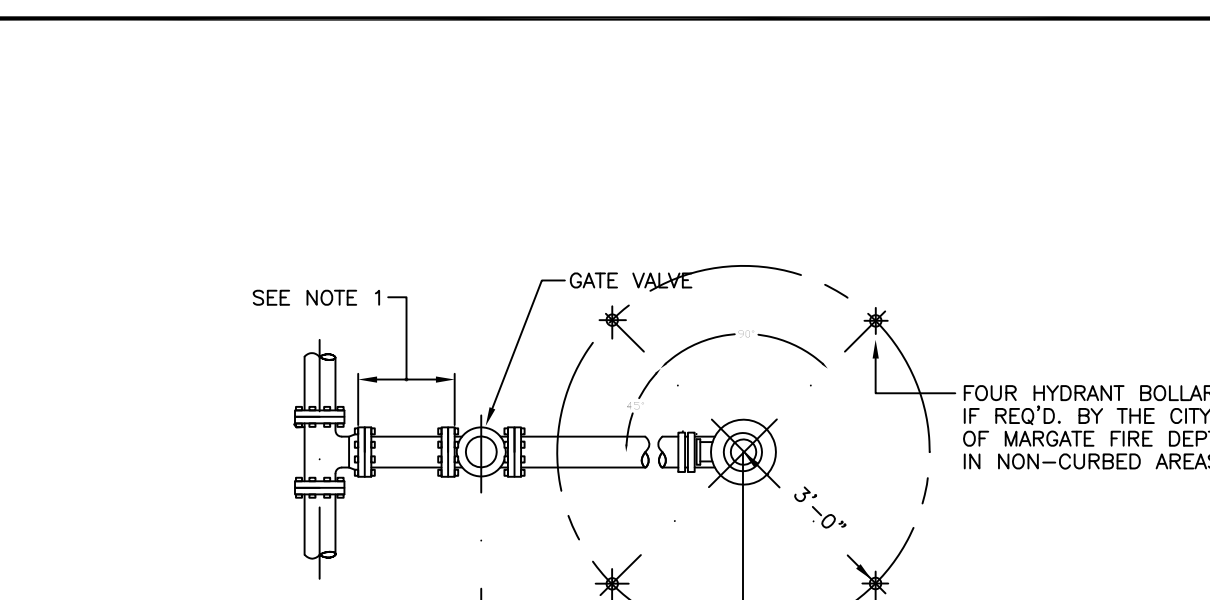
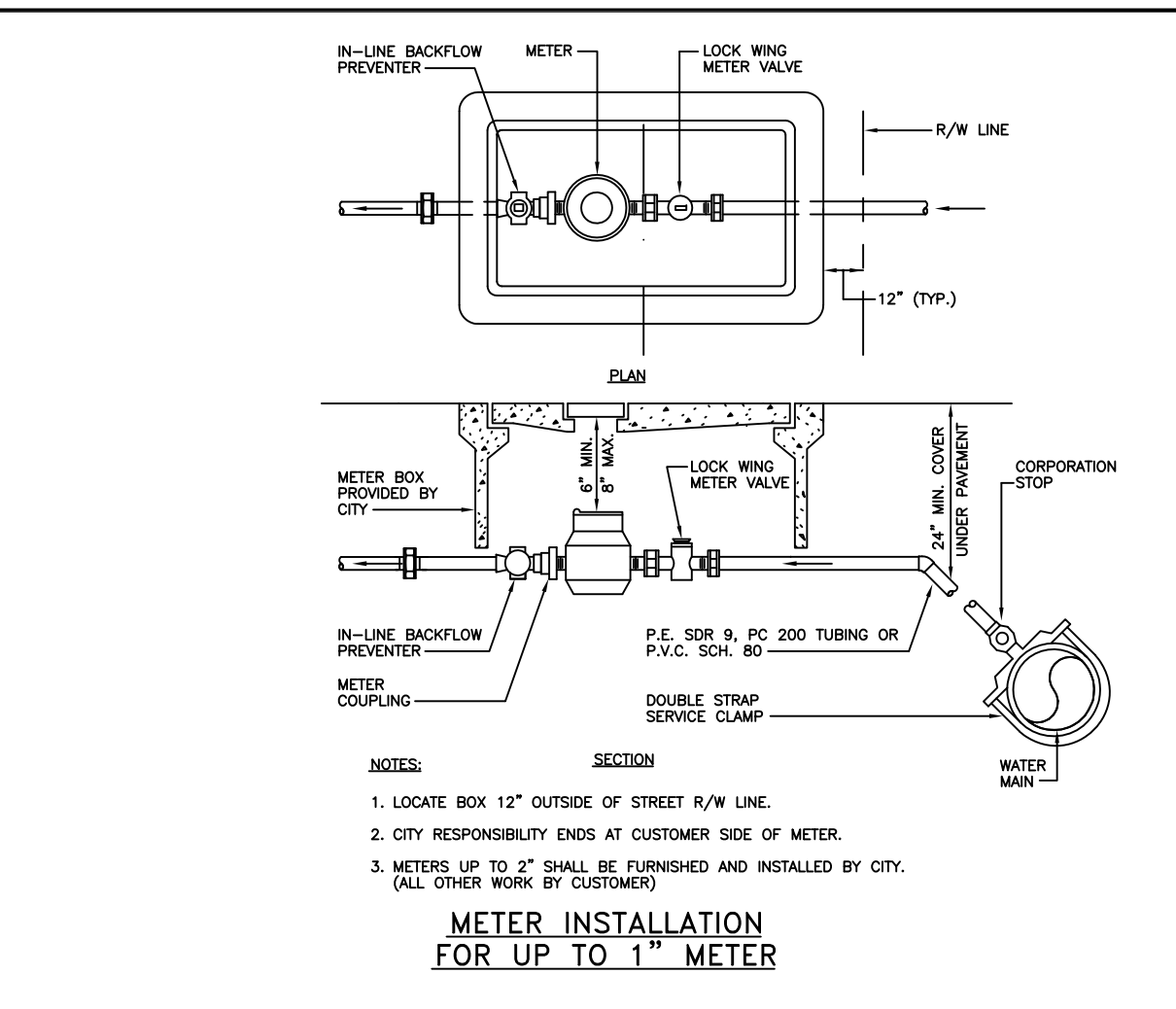
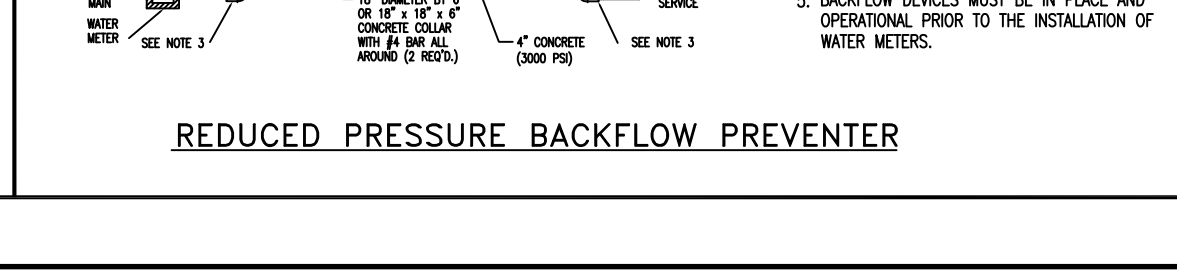
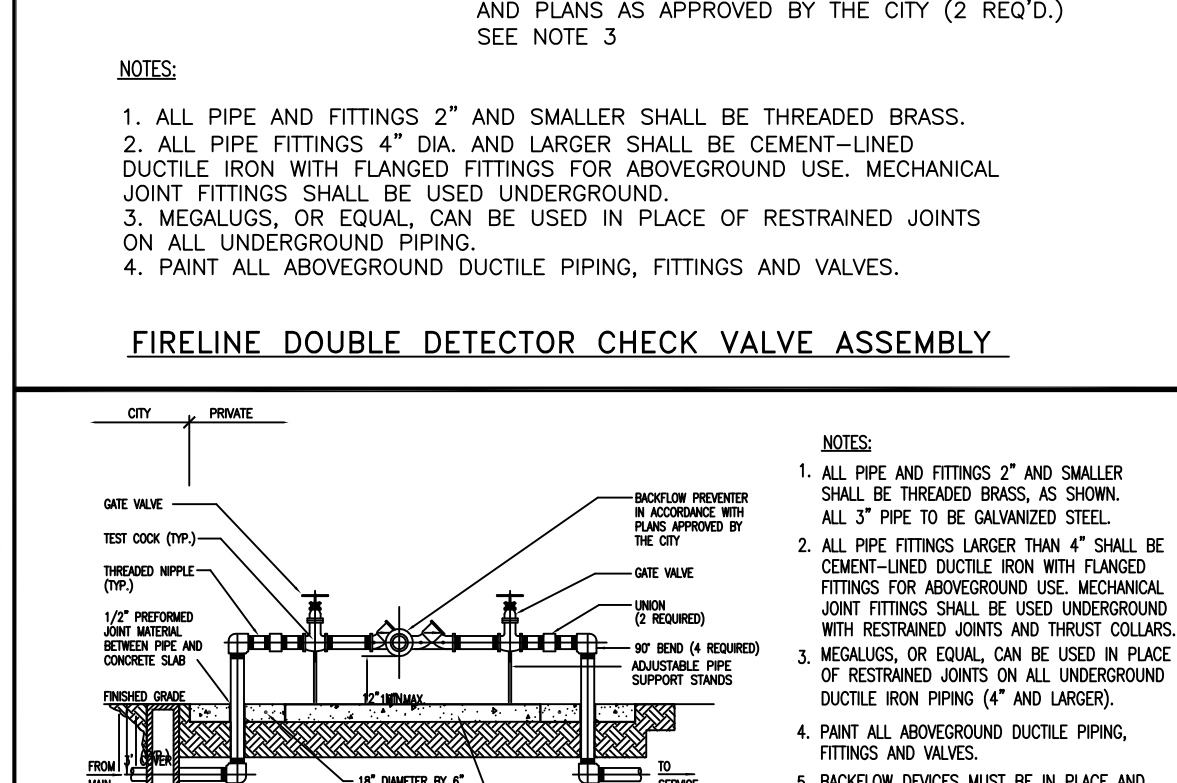
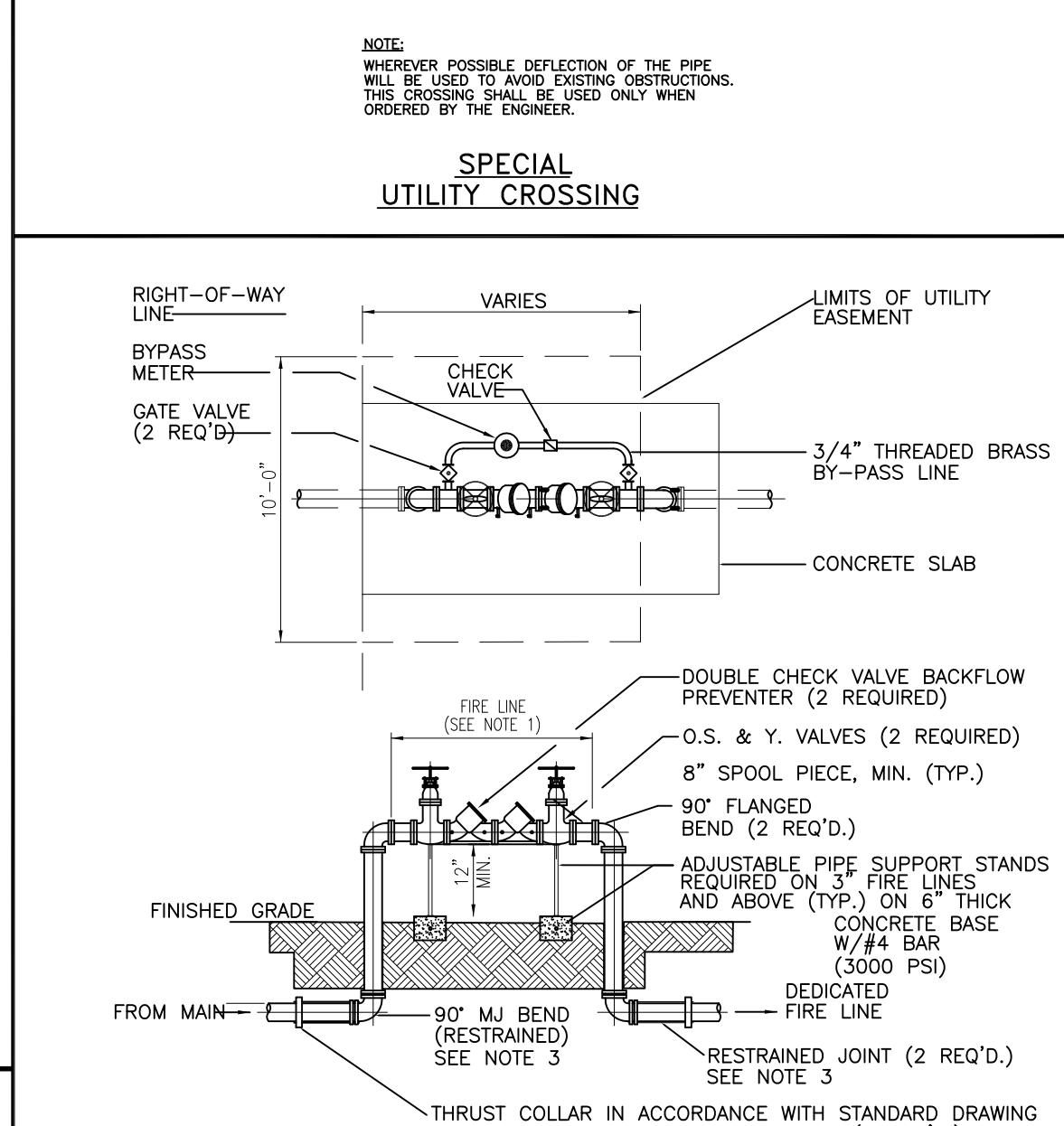
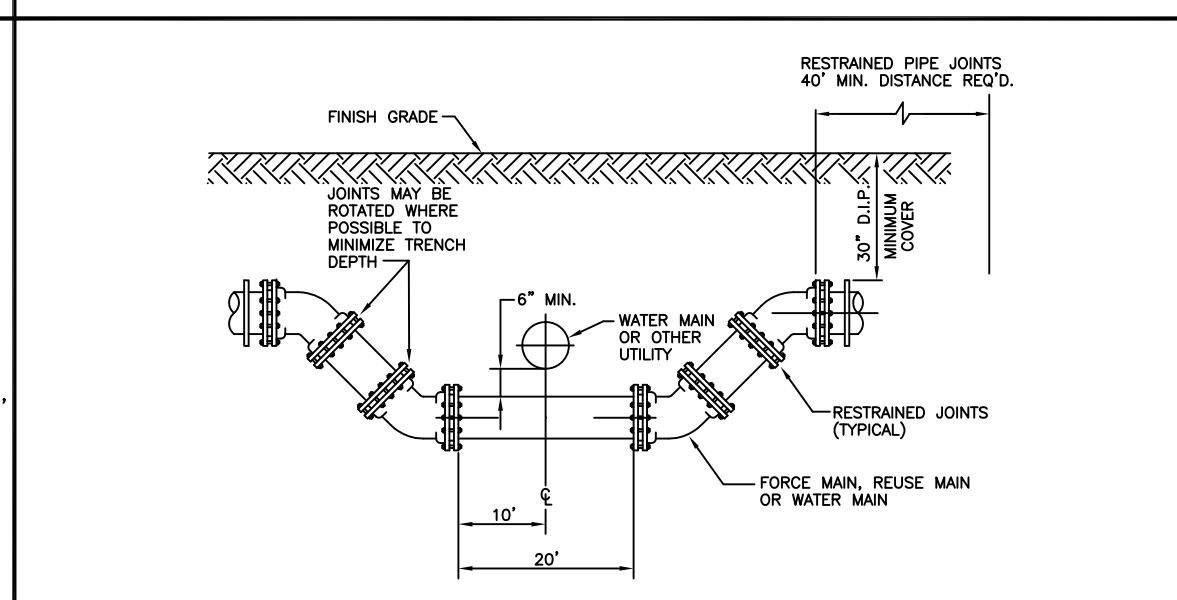
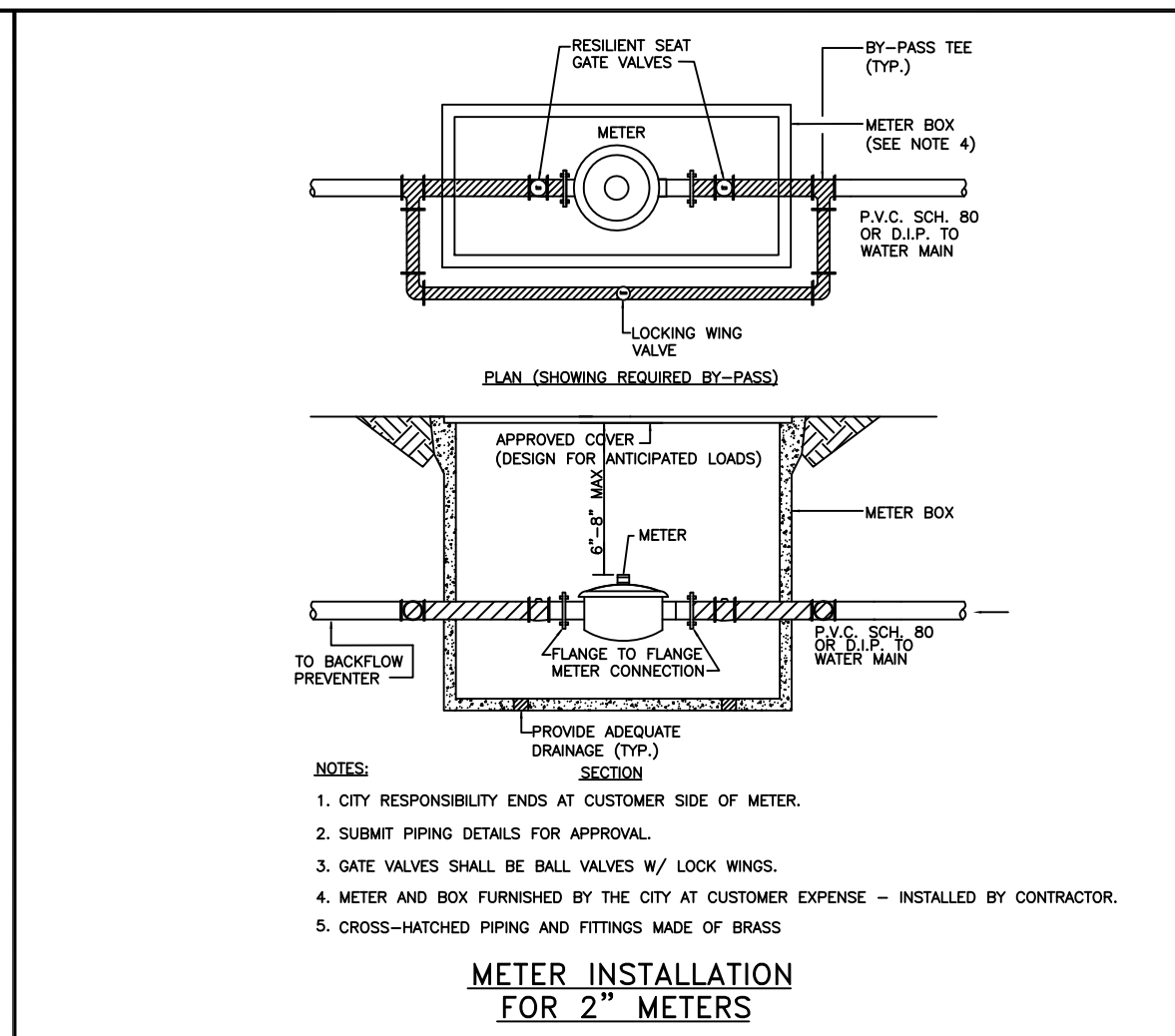
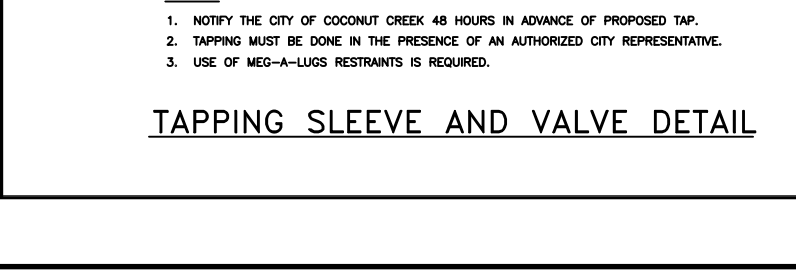
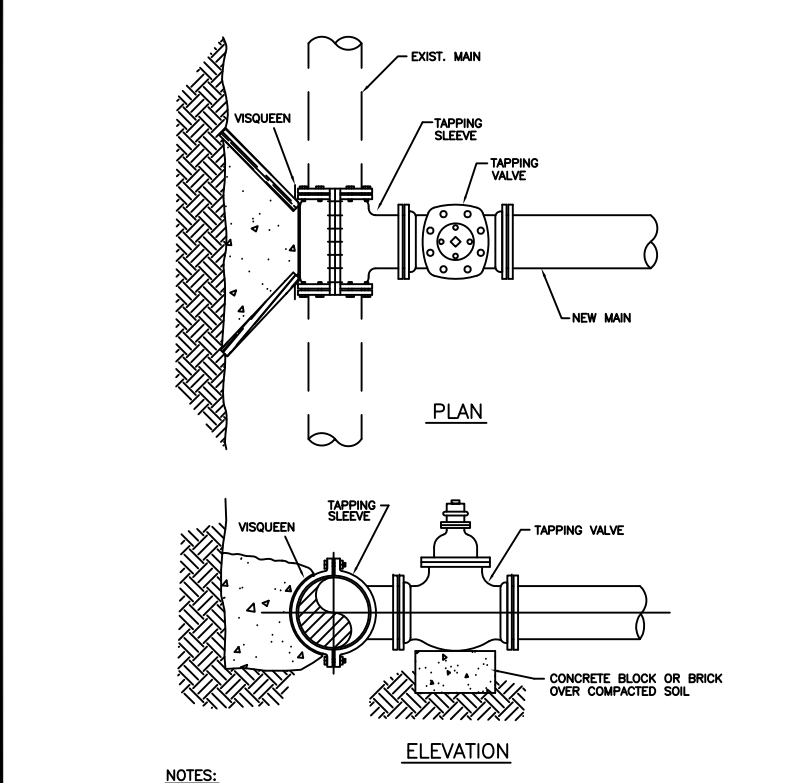
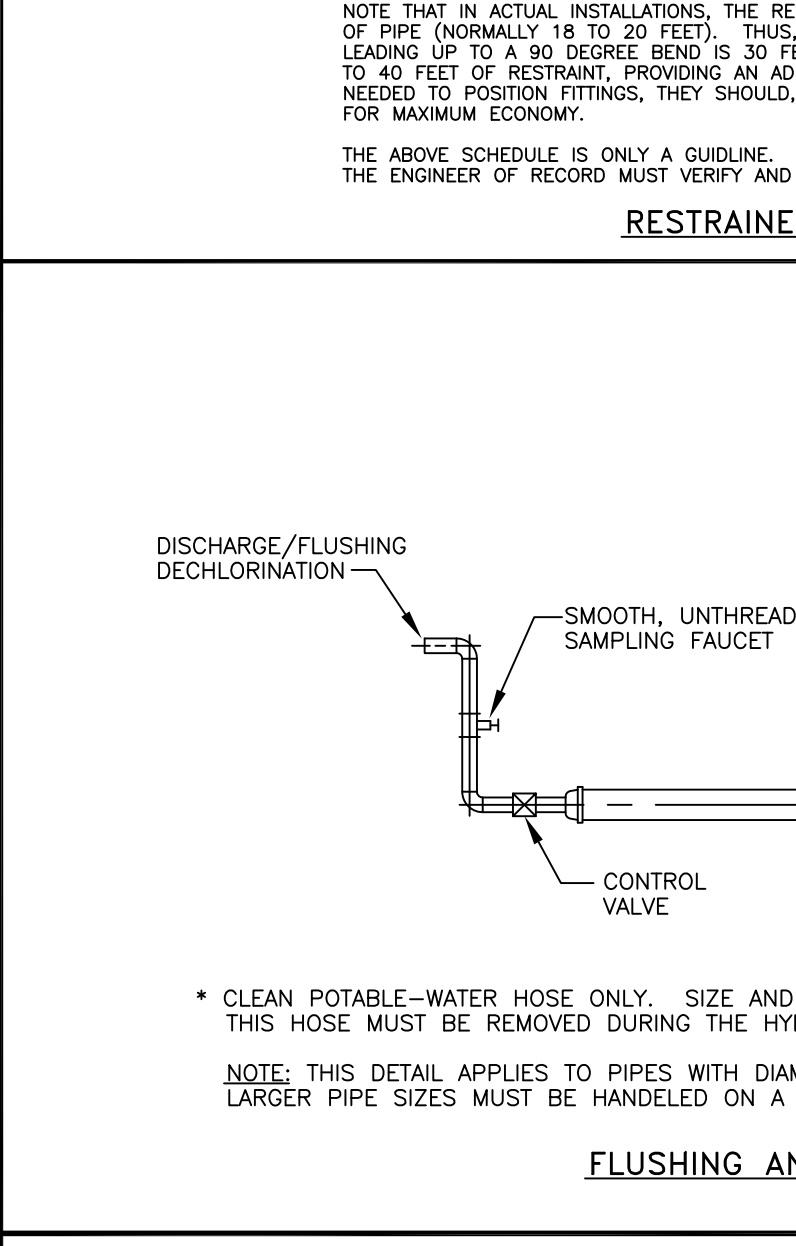
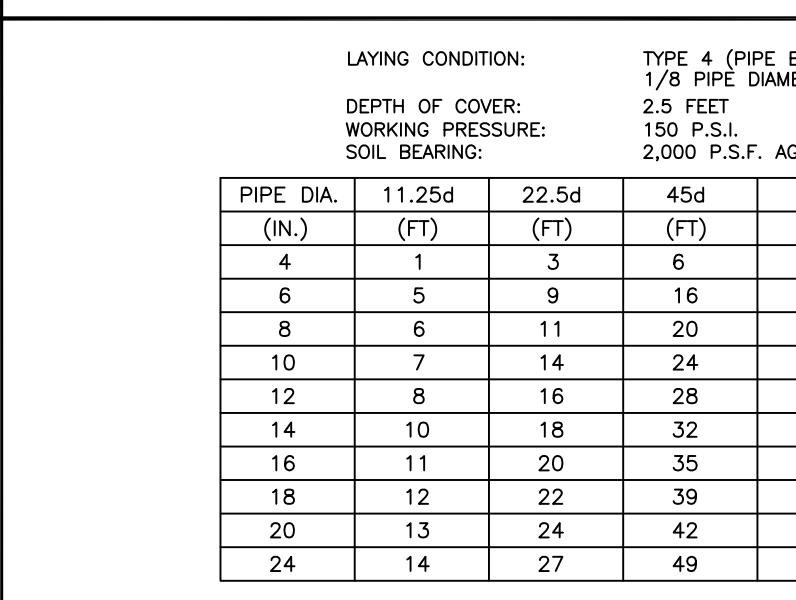
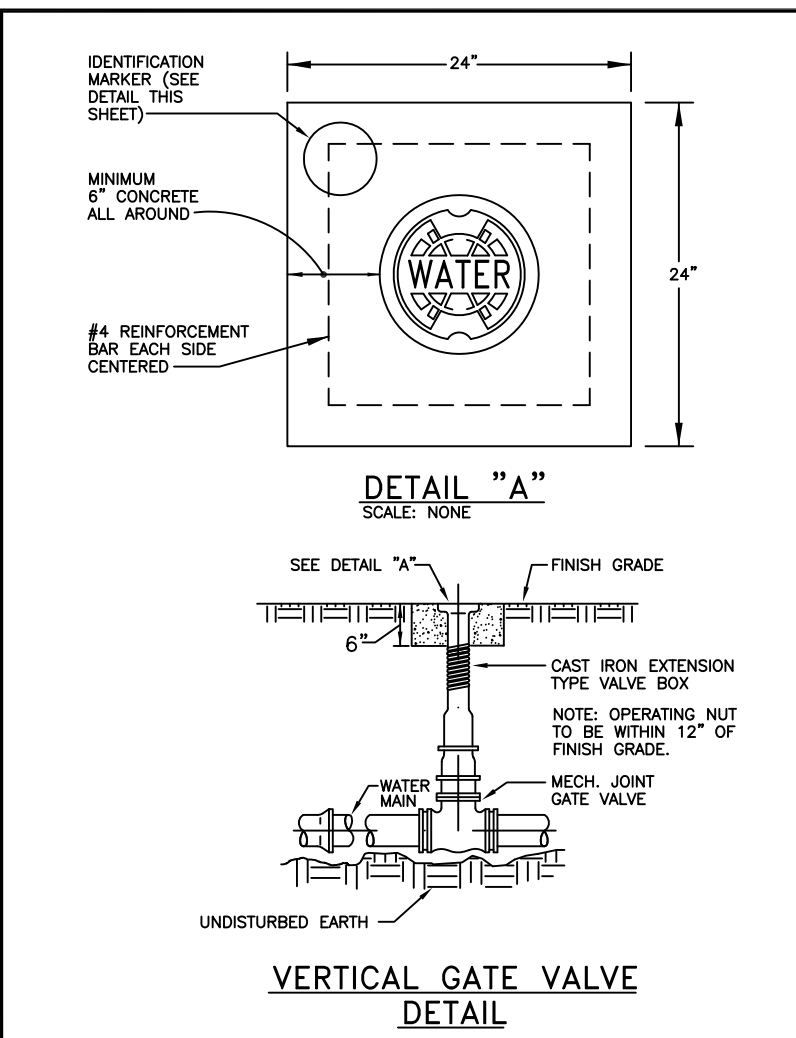
SOIL BEARING: 2,000 P.S.F. AGAINST UNDISTURBED SOIL.

PIPE DIA (IN.)	11.25d (FT)	22.5d (FT)	45d (FT)	90d (FT)	DEAD END (FT)	TEE (FT)	45d VERT. BEND (FT)	22d VERT. BEND (FT)
4	1	3	6	15	31	5	UPPER - 13 LOWER - 2	UPPER - 8 LOWER - 2
6	5	9	16	31	60	25	20	12
8	6	11	20	42	80	50	25	14
10	7	14	24	52	100	60	26	18
12	8	16	28	63	120	65	30	20
14	10	18	32	73	130	80	35	23
16	11	20	35	84	140	90	40	26
18	12	22	39	94	150	100	45	28
20	13	24	42	105	180	120	55	32
24	14	27	49	126	220	150	65	35

NOTE THAT IN ACTUAL INSTALLATIONS, THE RESTRAINED LENGTH WILL BE IN MULTIPLES OF LENGTH OF ONE PIECE OF PIPE (NORMALLY 18 TO 20 FEET). THIS, FOR EXAMPLE, IF THE RESTRAINED LENGTH FOR 6 INCH PIPE LEADING UP TO A 90 DEGREE BEND IS 30 FEET, TWO FULL LENGTHS OF RESTRAINED PIPE WILL RESULT IN 36 TO 40 FEET OF RESTRAINT, PROVIDING AN ADDITIONAL SAFETY FACTOR. WHERE SHORT CONNECTING PIECES ARE NEEDED TO POSITION FITTINGS, THEY SHOULD, WHEN POSSIBLE, BE PLACED OUTSIDE THE RESTRAINED SECTION FOR MAXIMUM ECONOMY.

THE ABOVE SCHEDULE IS ONLY A GUIDELINE. THE ENGINEER OF RECORD MUST VERIFY AND REVISE CALCULATIONS TO MEET INSTALLATION REQUIREMENTS.

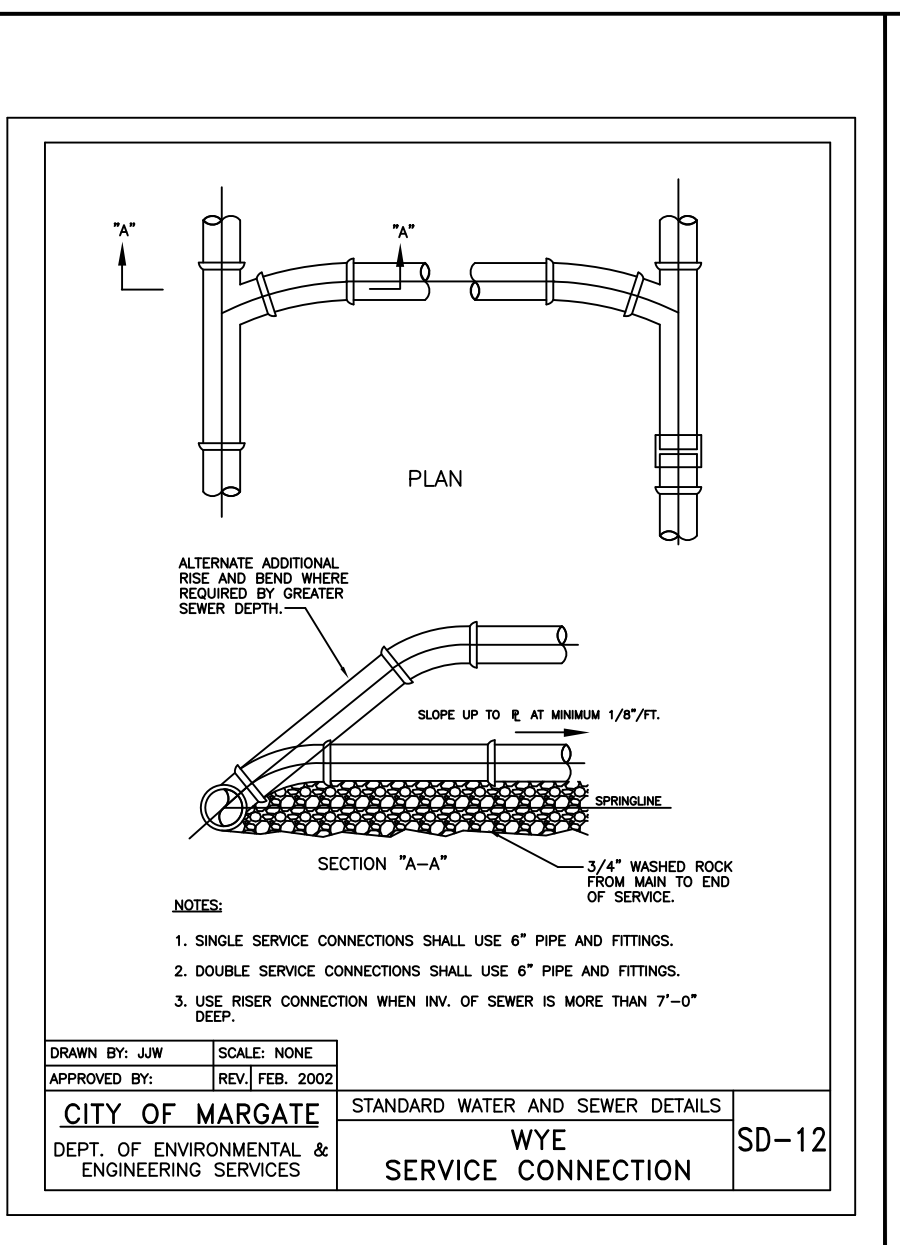
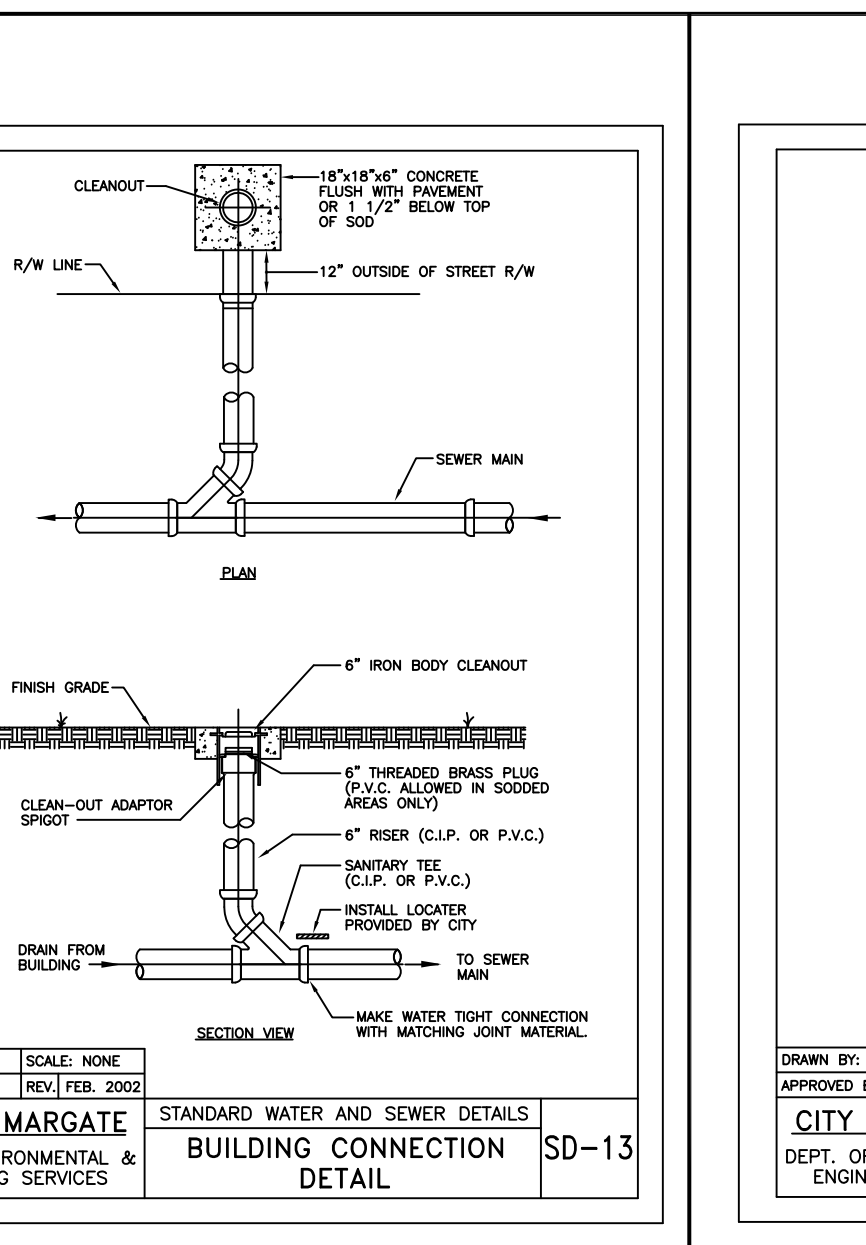
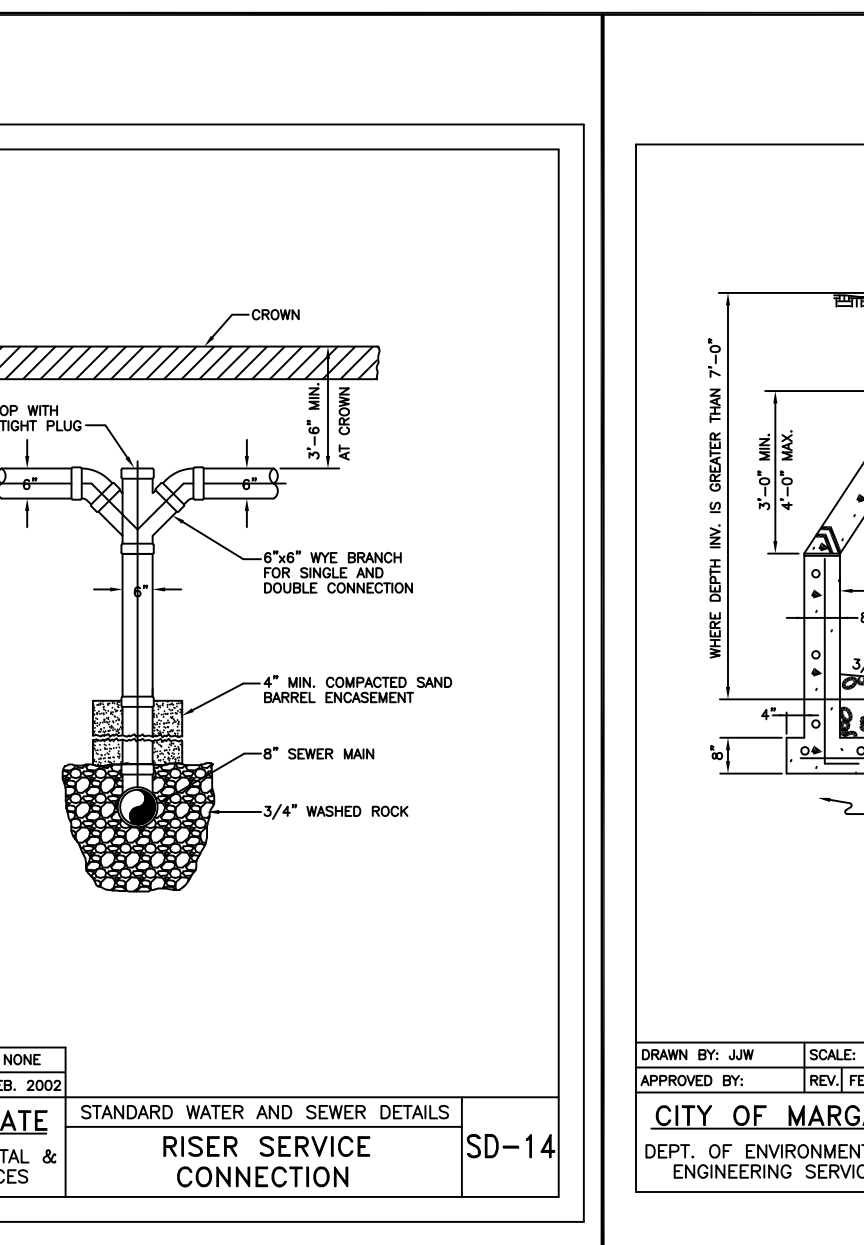
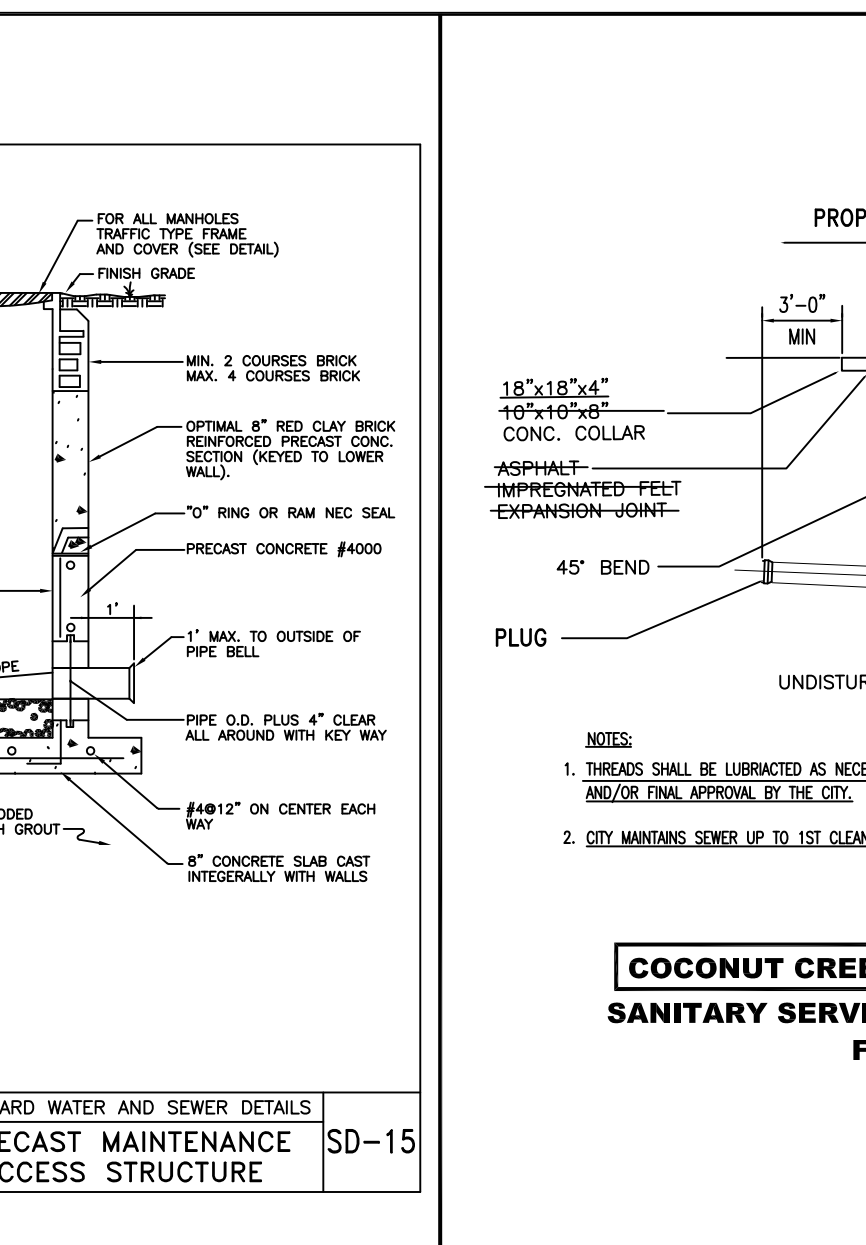
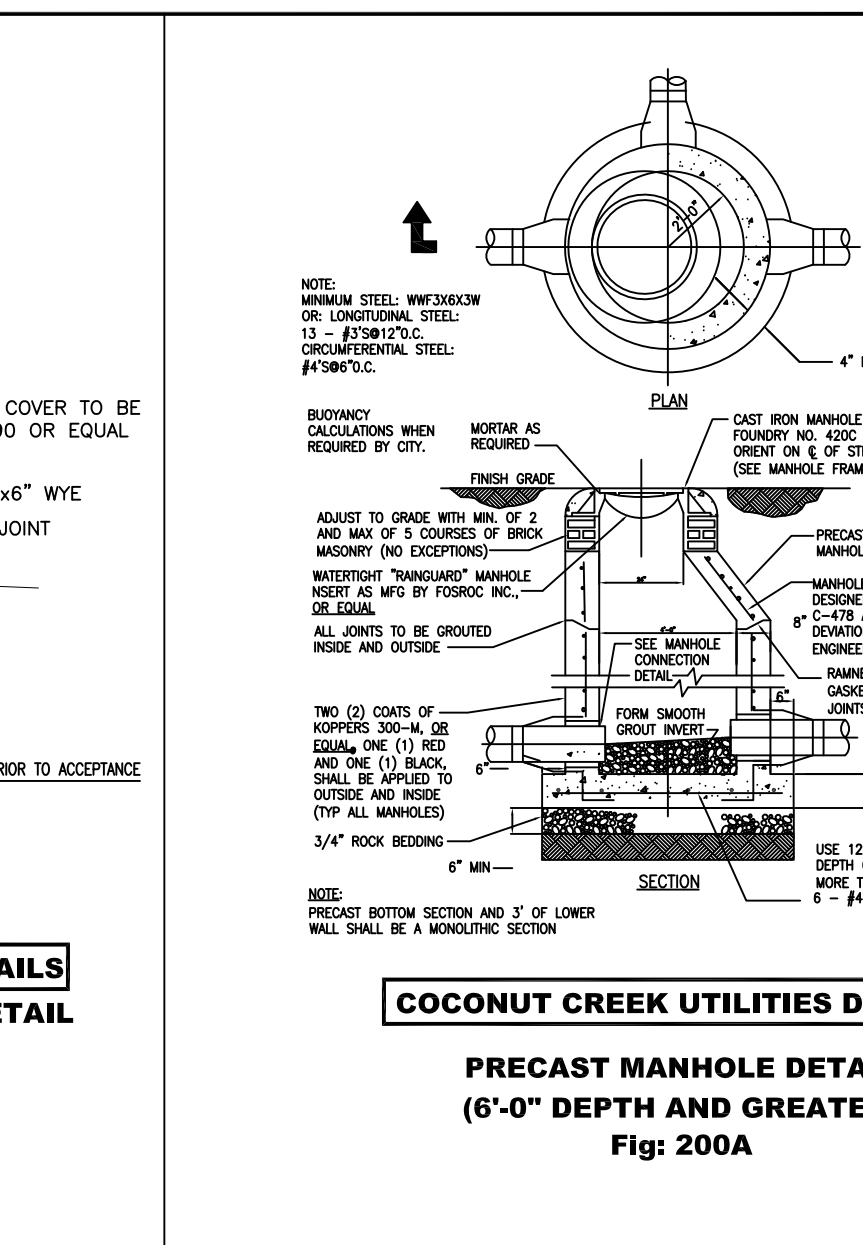
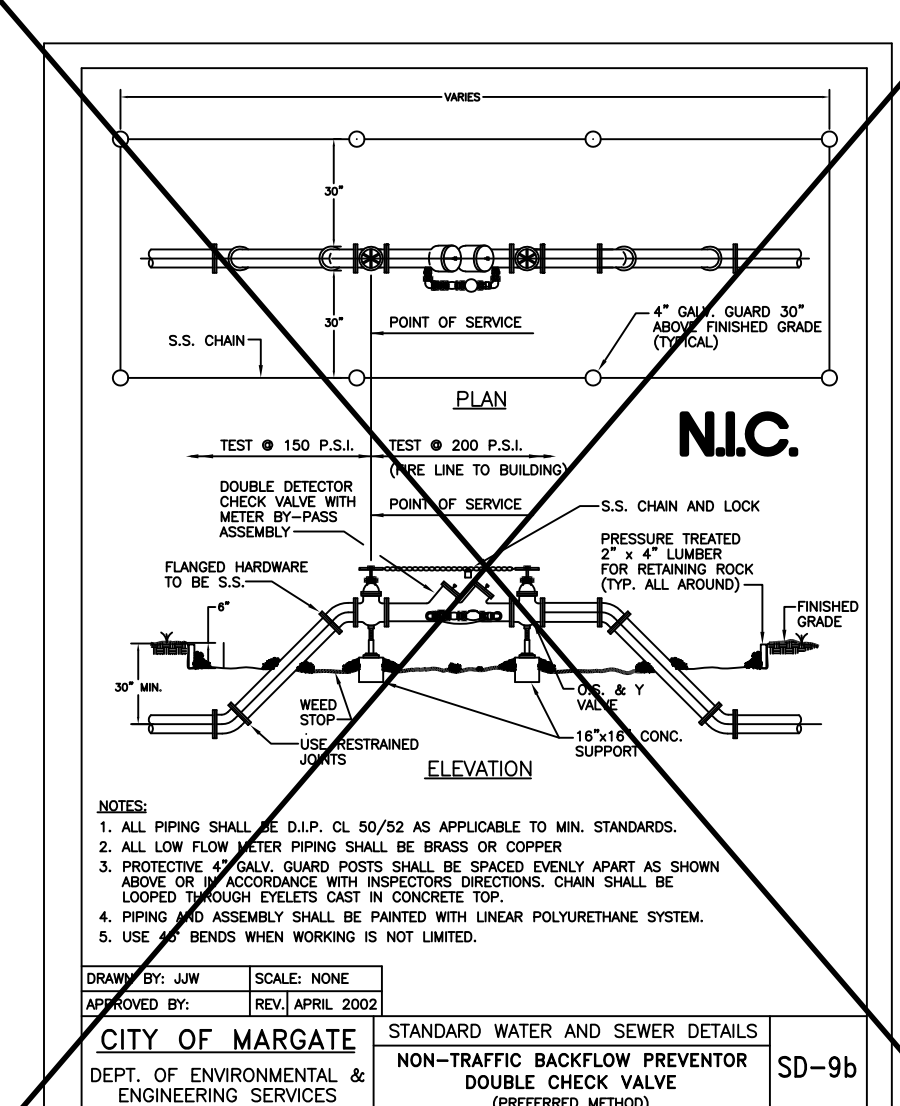
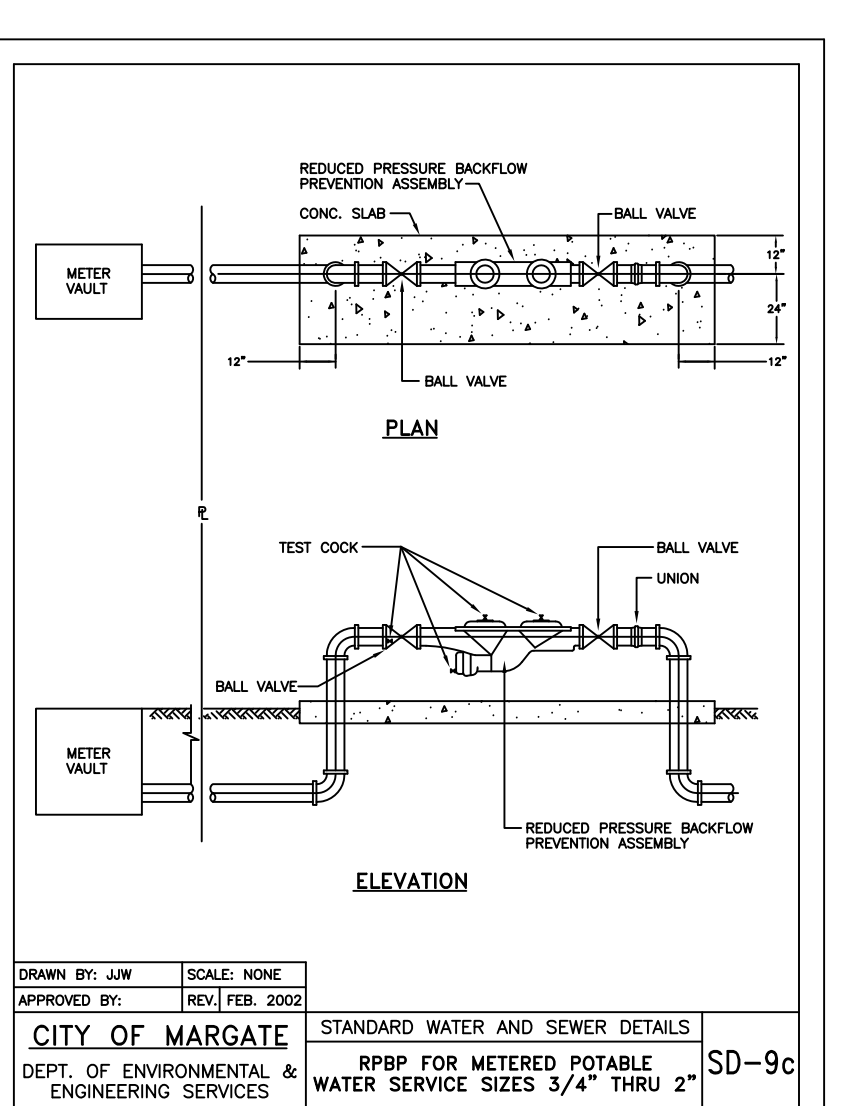
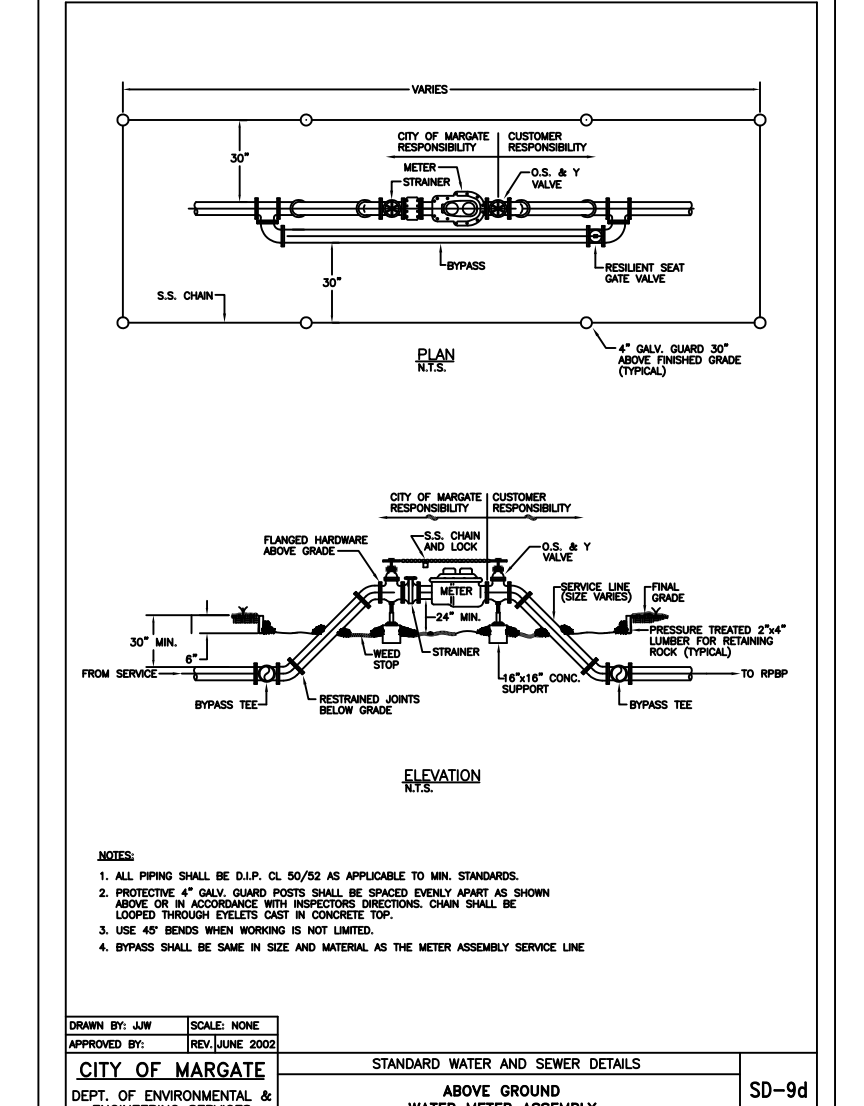
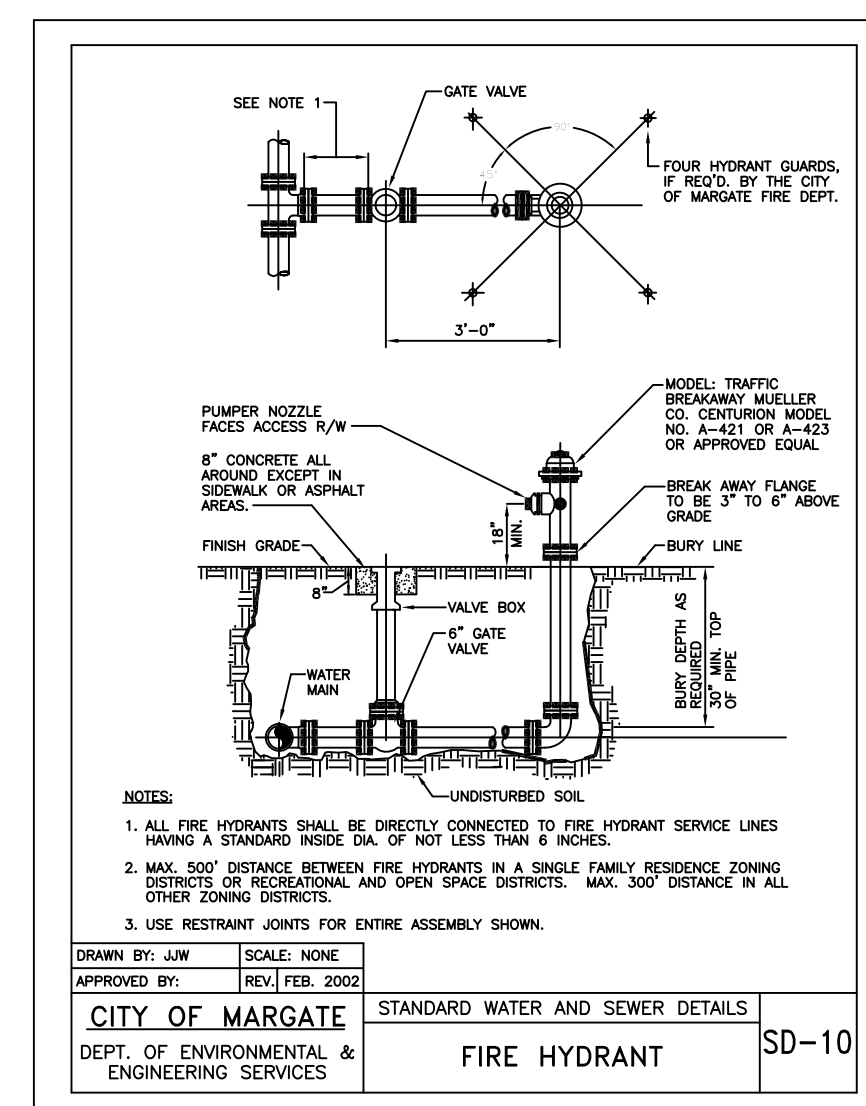
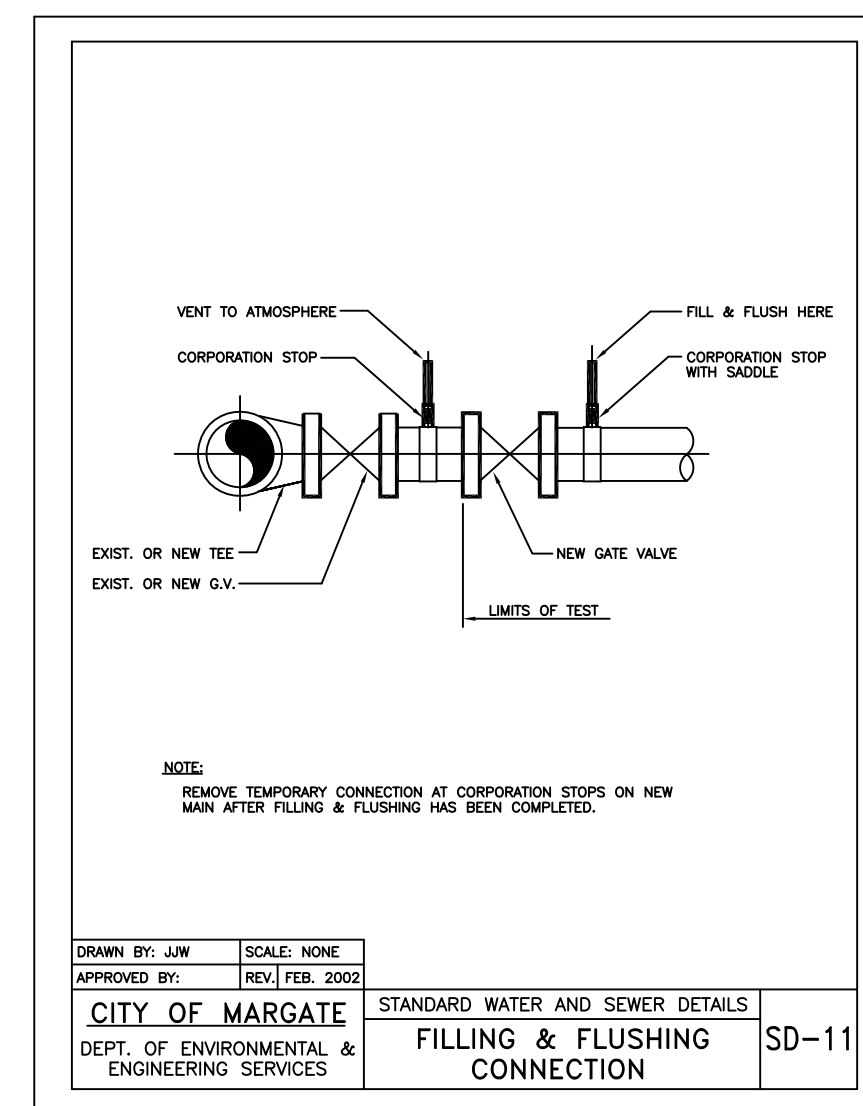
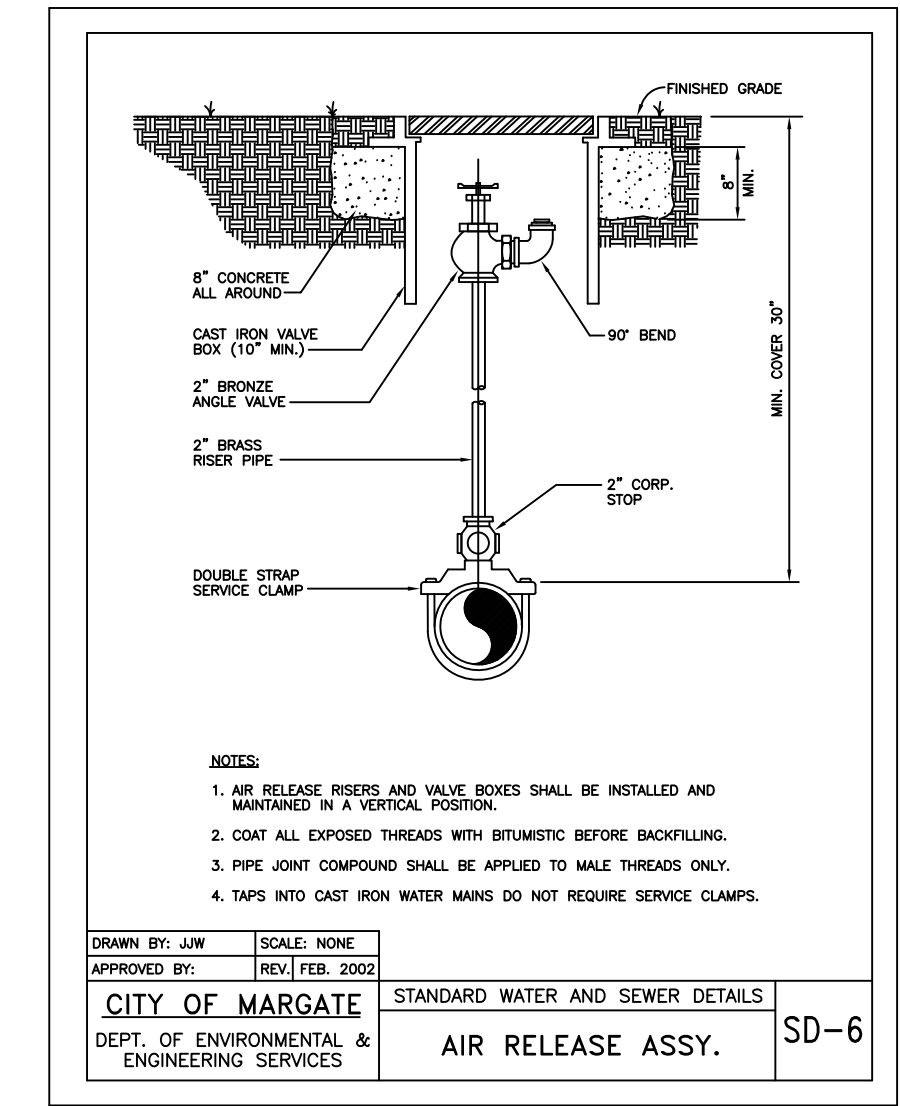
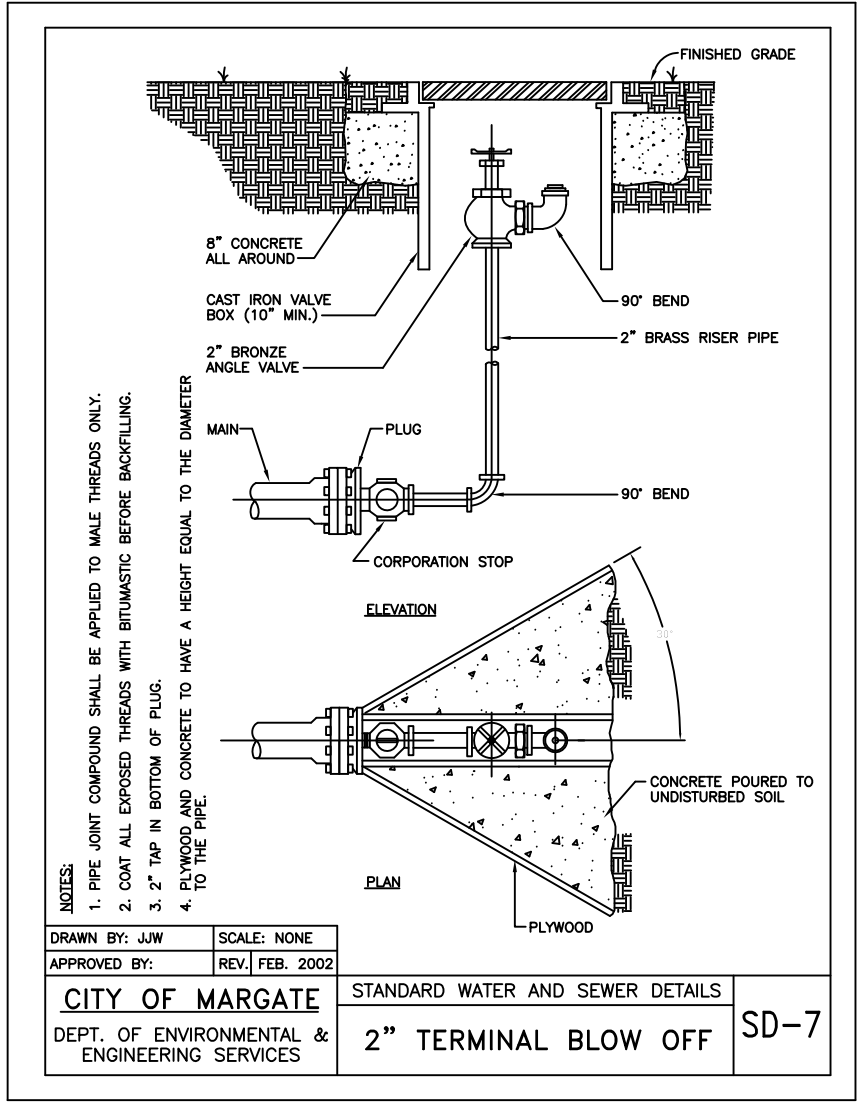
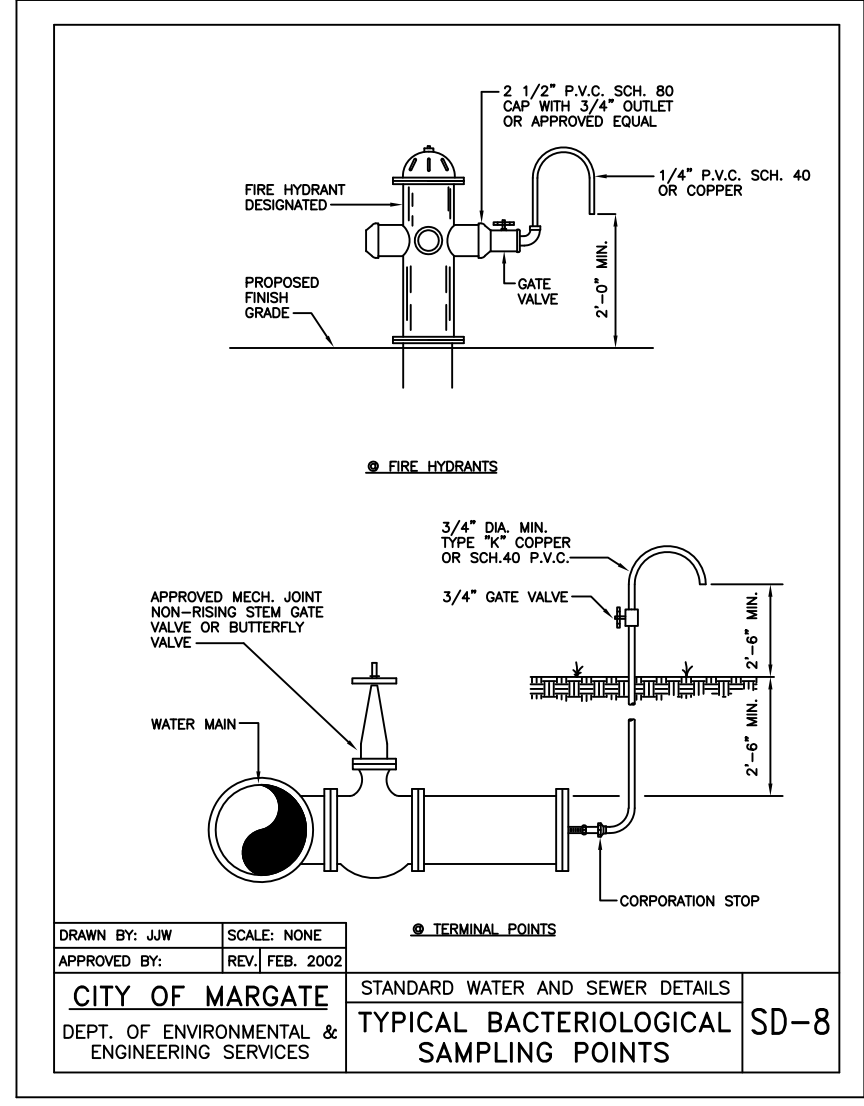
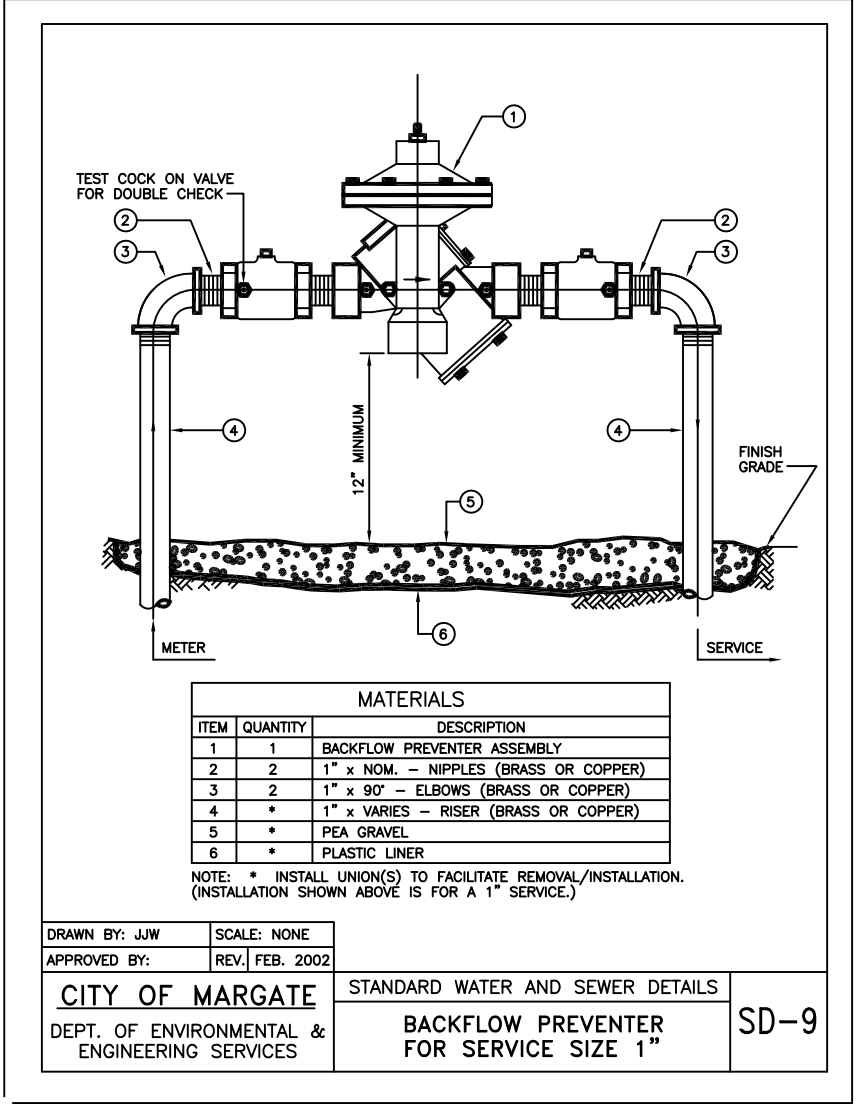
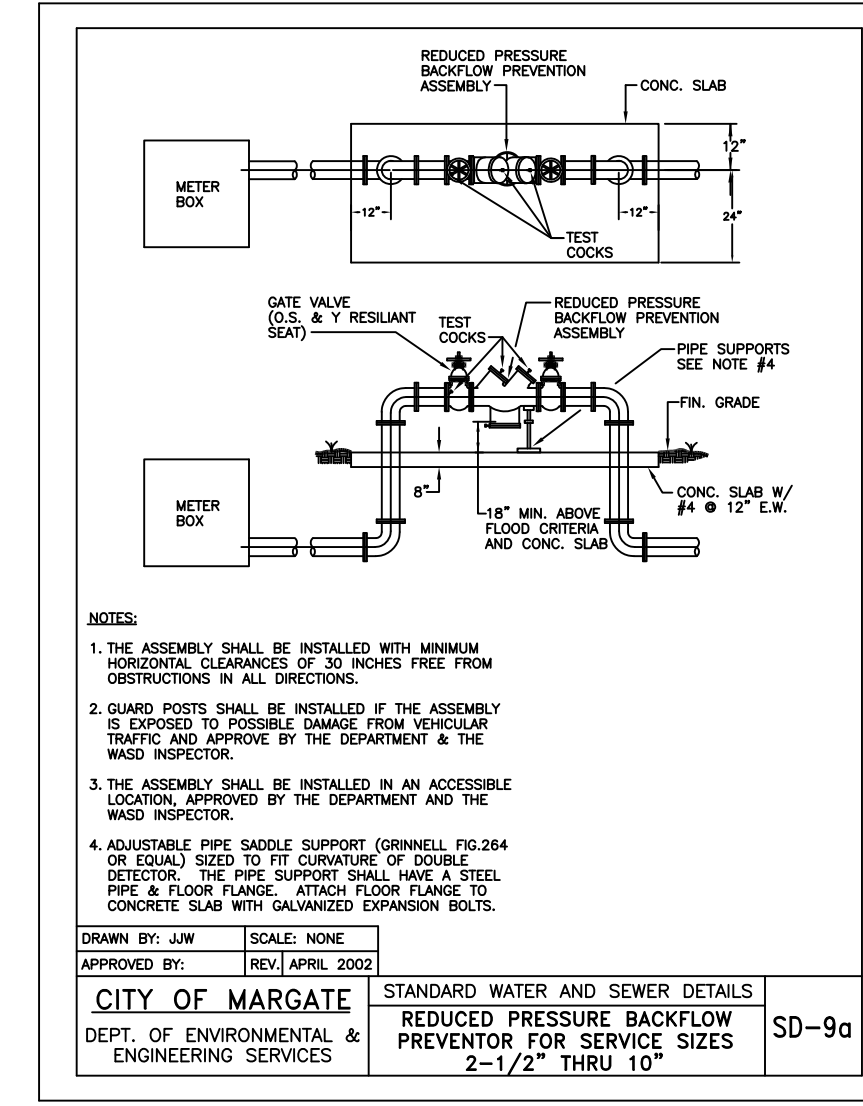
RESTRAINED PIPE JOINT SCHEDULE

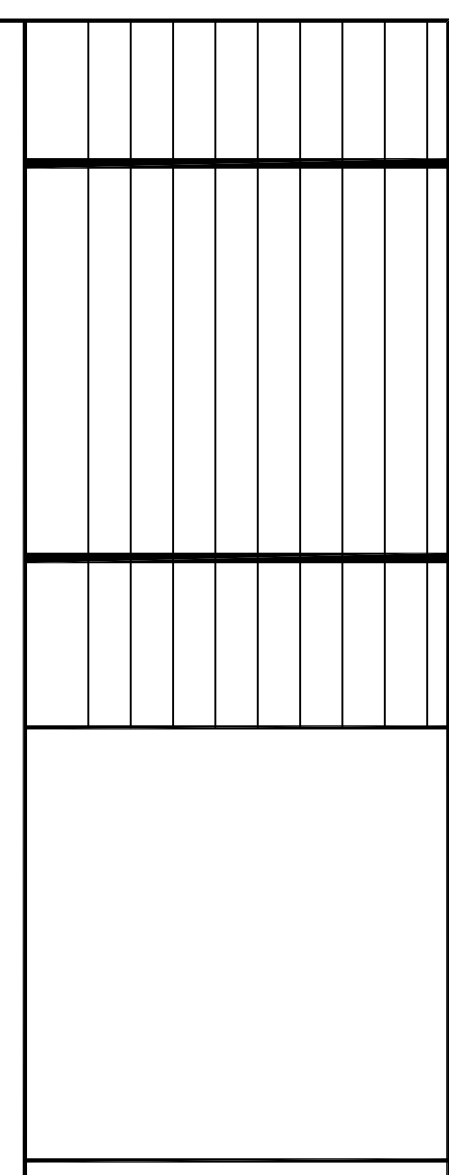


C-8DWG

**CITY OF MARGATE  
BROWARD COUNTY, FLORIDA  
SEWER DETAILS**

APPROVED BY  
DRAWN BY  
DATE  
SCALE  
DETAILS





**CITY OF MARGATE  
BROWARD COUNTY, FLORIDA  
SEWER DETAILS**

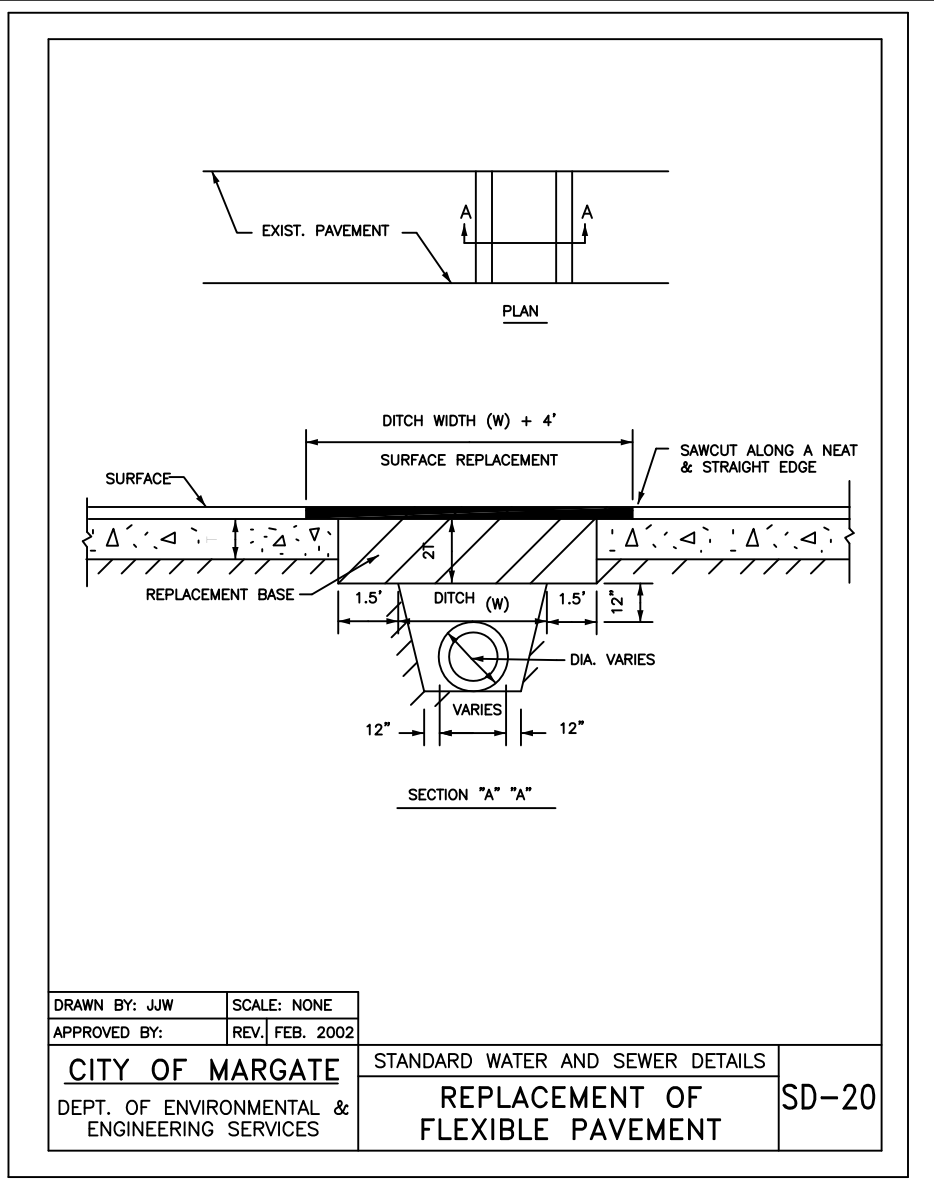
APPROVED BY \_\_\_\_\_

DRAWN BY \_\_\_\_\_

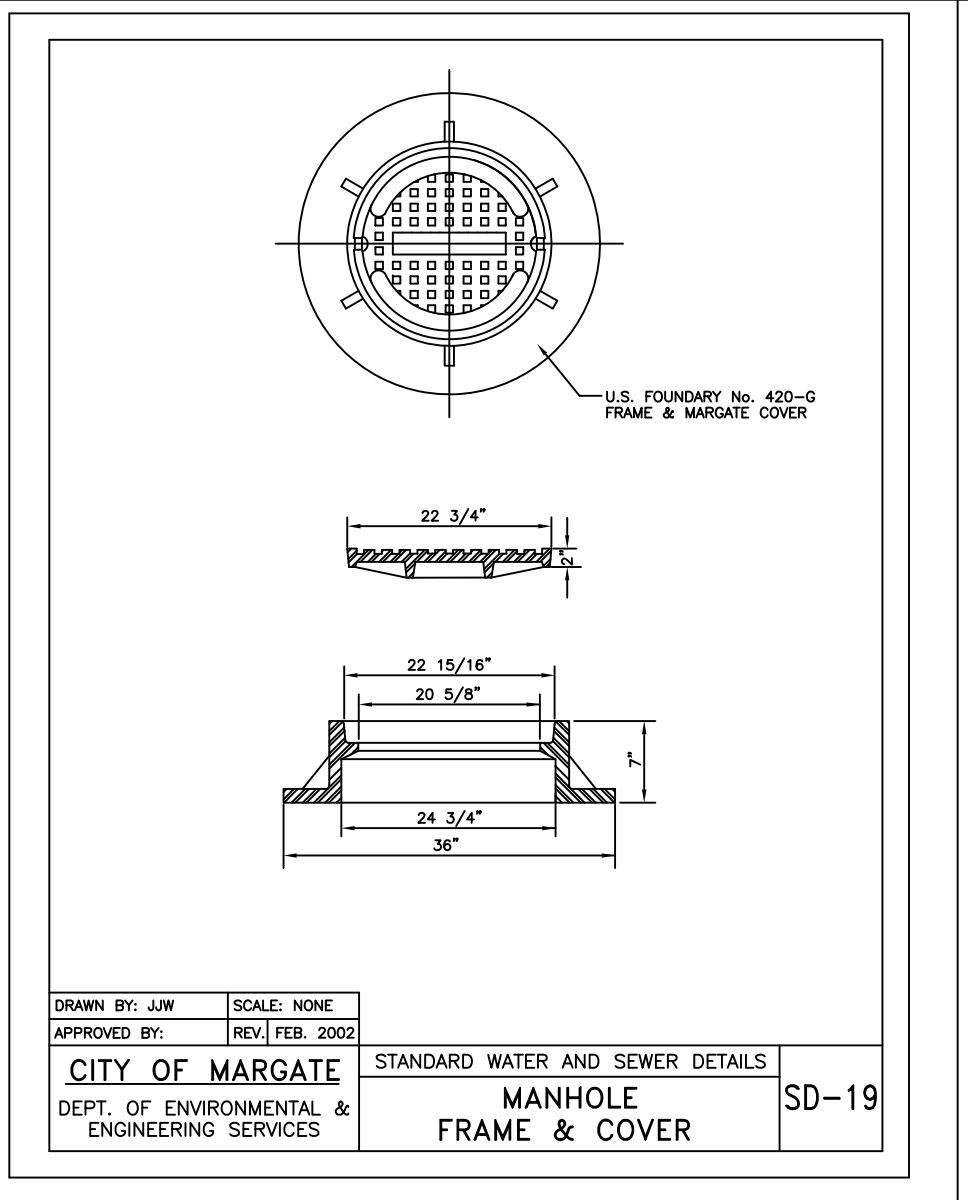
DATE \_\_\_\_\_

SCALE \_\_\_\_\_

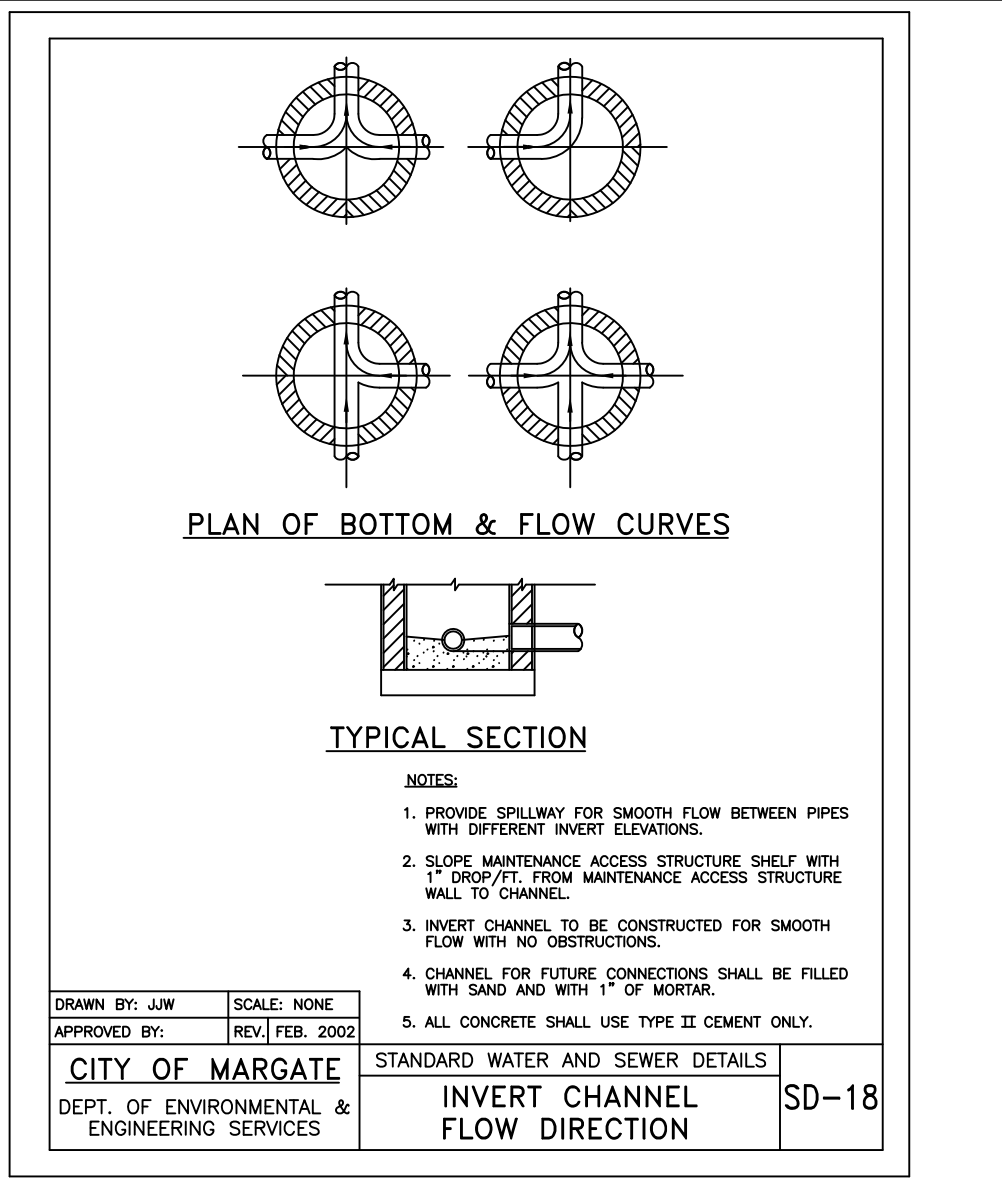
DETAILS \_\_\_\_\_



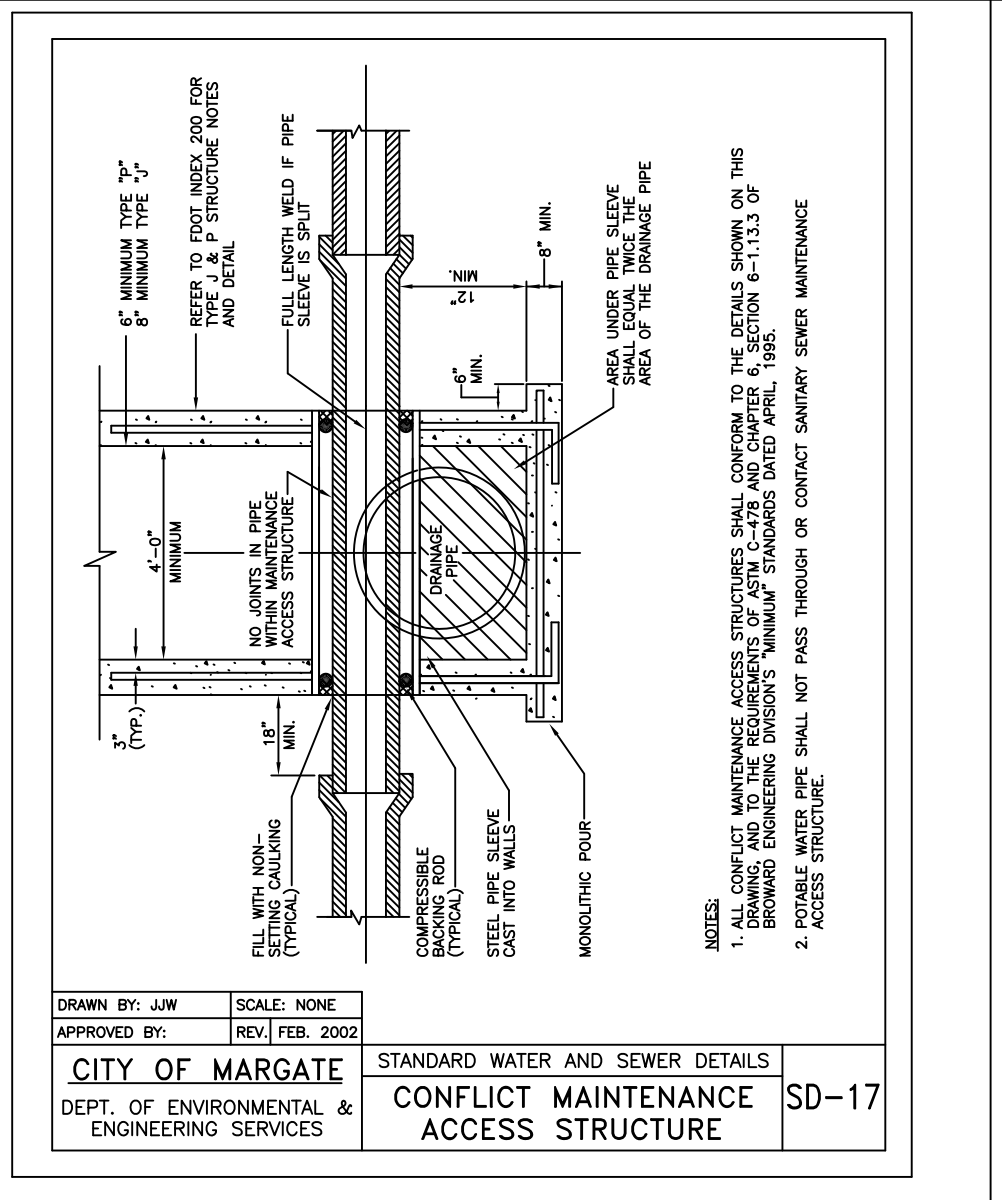
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
REPLACEMENT OF FLEXIBLE PAVEMENT SD-20



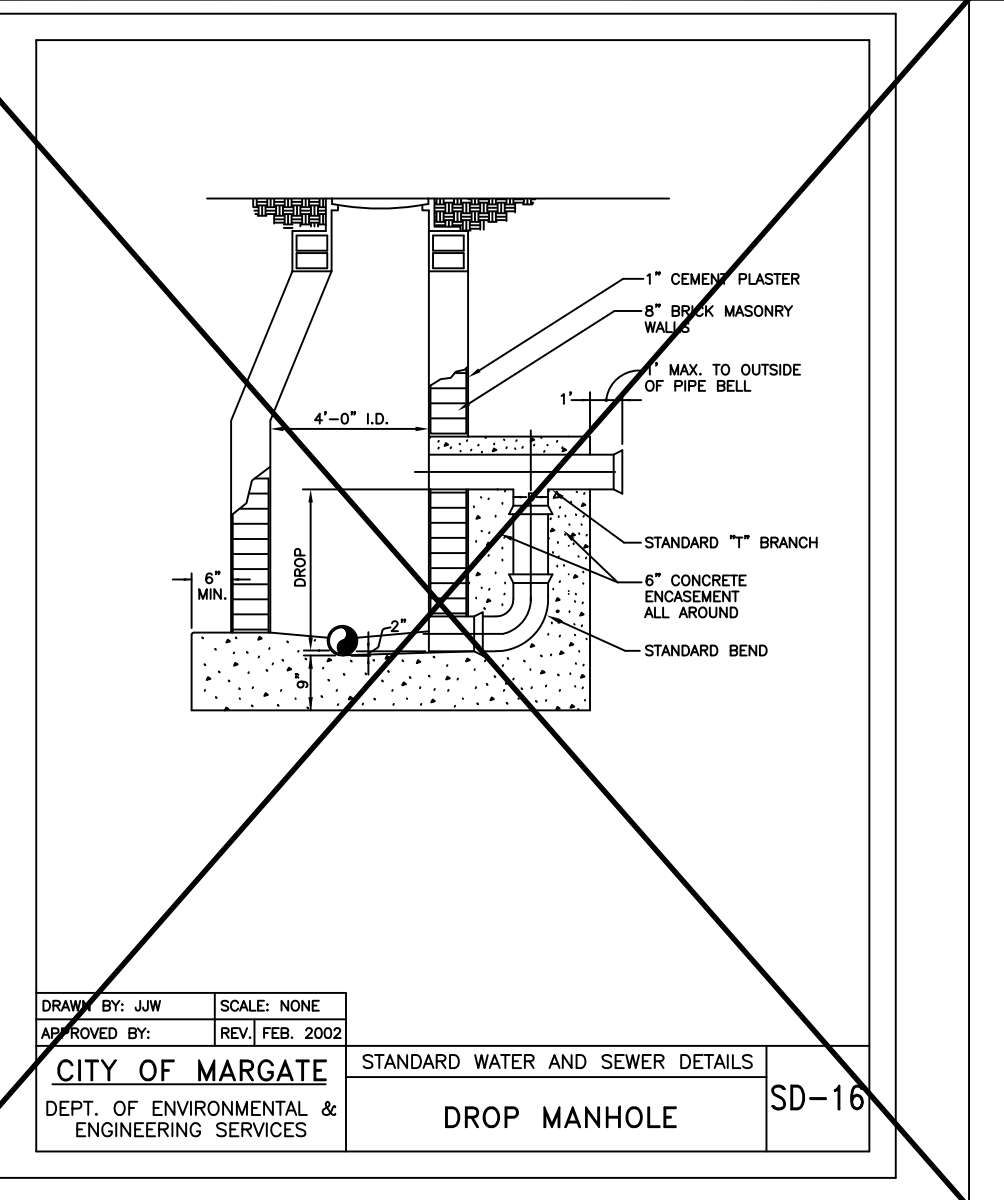
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
MANHOLE FRAME & COVER SD-19



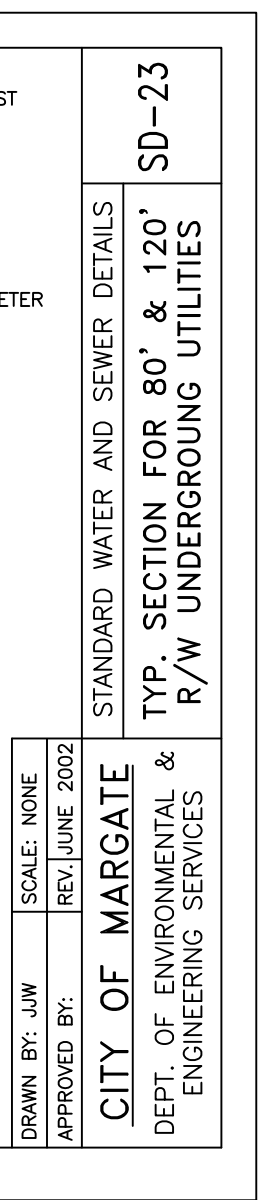
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
INVERT CHANNEL FLOW DETAIL SD-18



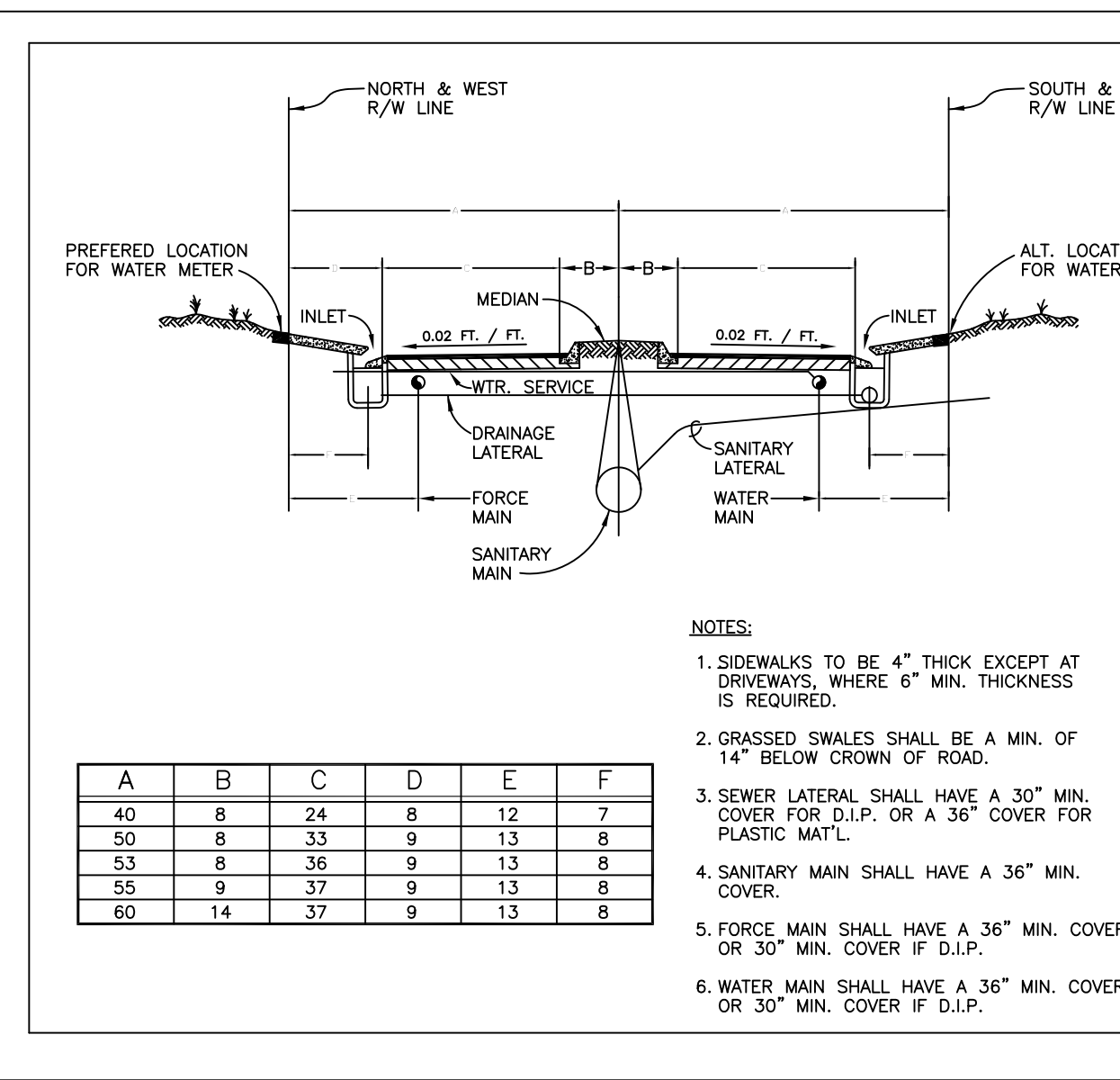
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
CONFLICT MAINTENANCE ACCESS STRUCTURE SD-17



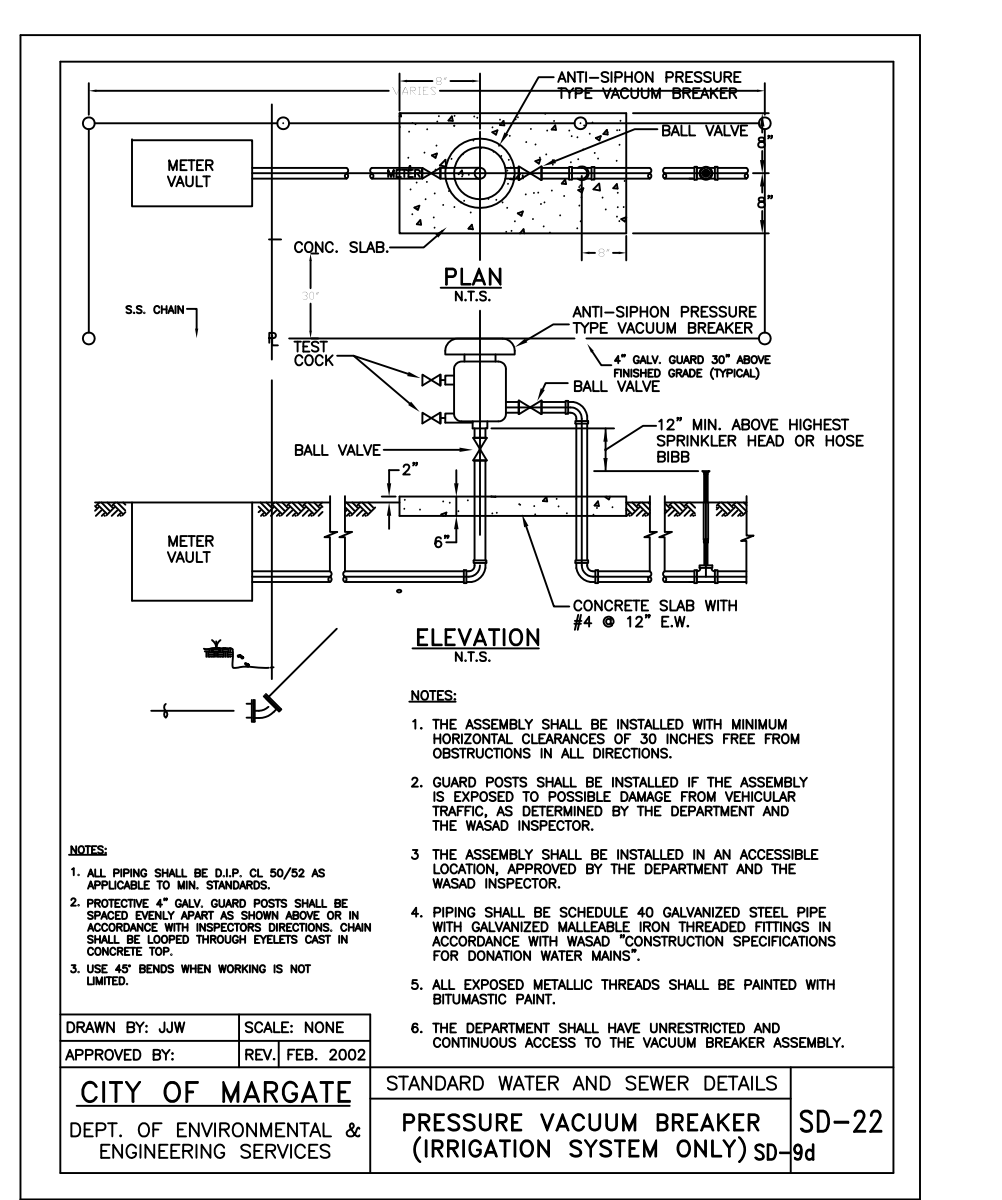
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
DROP MANHOLE SD-16



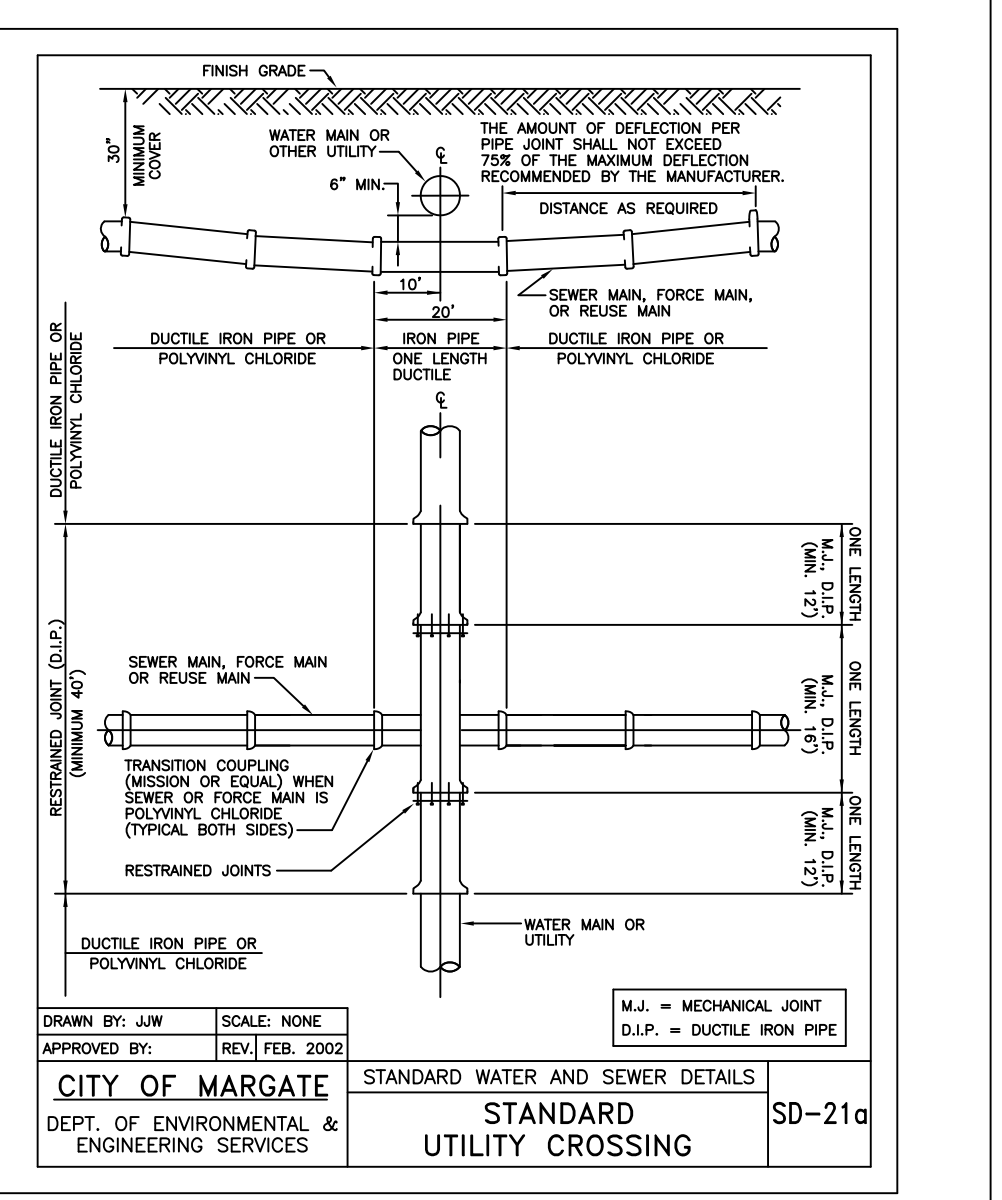
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
TYP. SECTION FOR 80' & 120' R/W UNDERGROUND UTILITIES SD-23



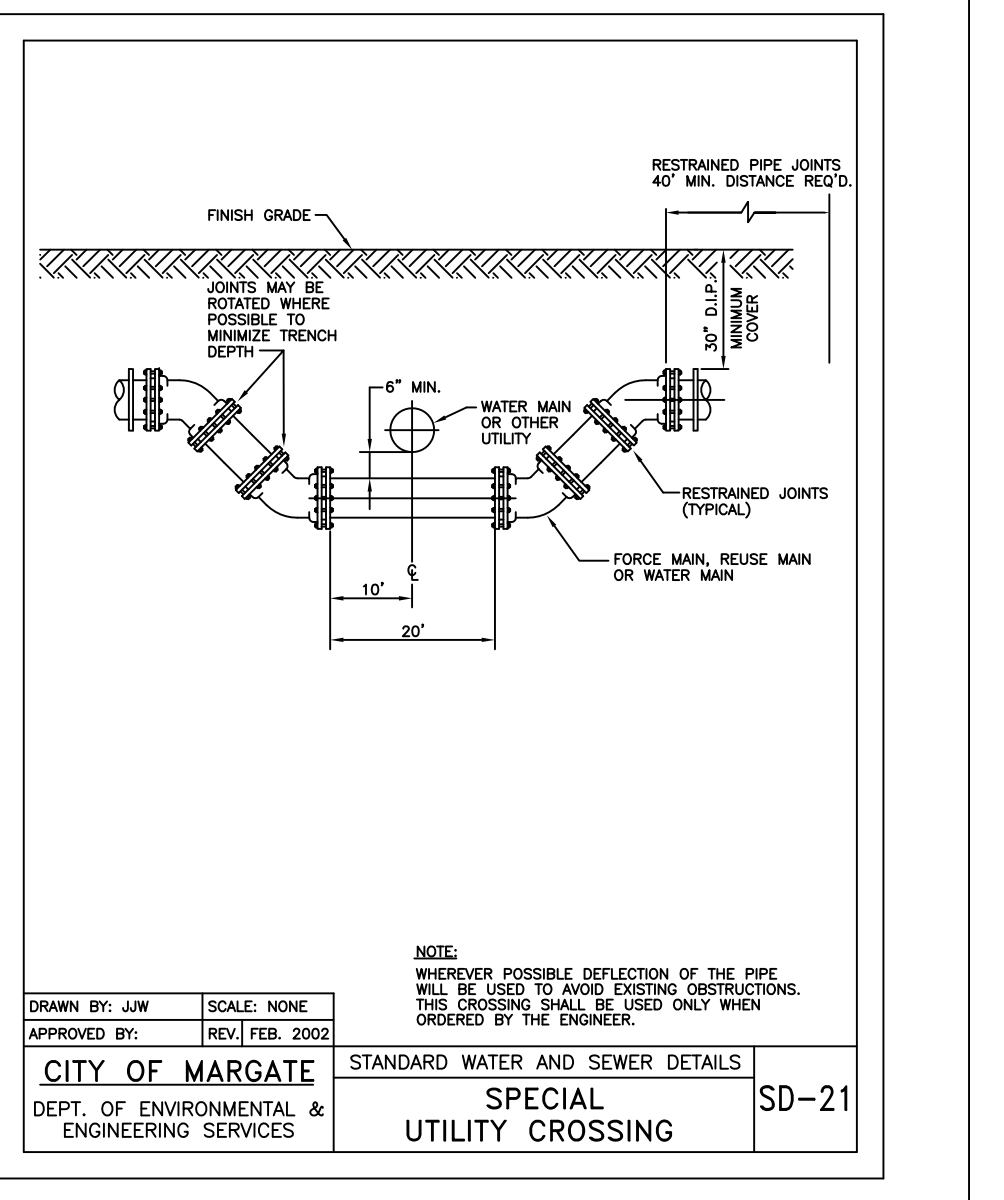
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
PRESSURE VACUUM BREAKER (IRRIGATION SYSTEM ONLY) SD-22



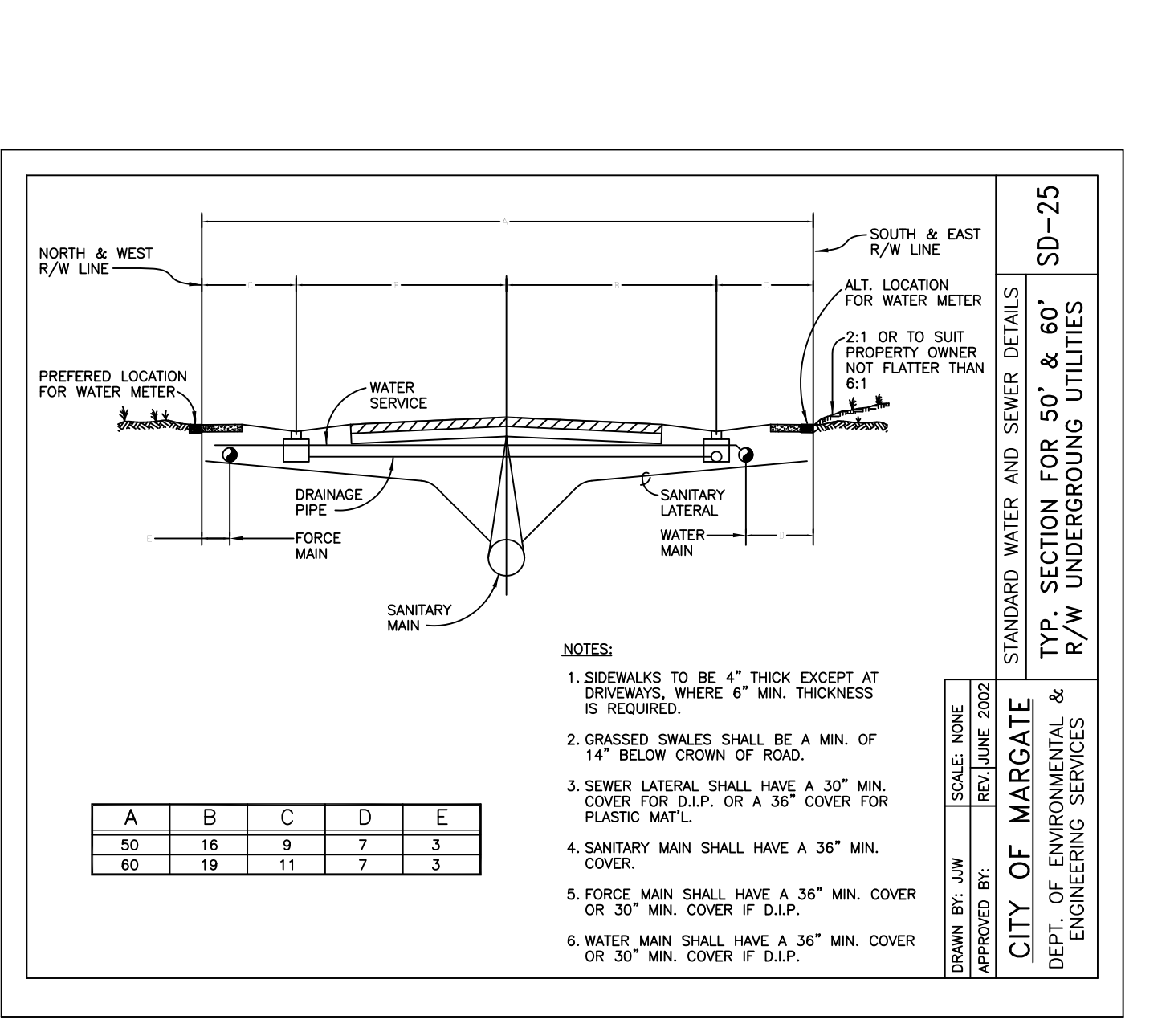
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
SPECIAL UTILITY CROSSING SD-21



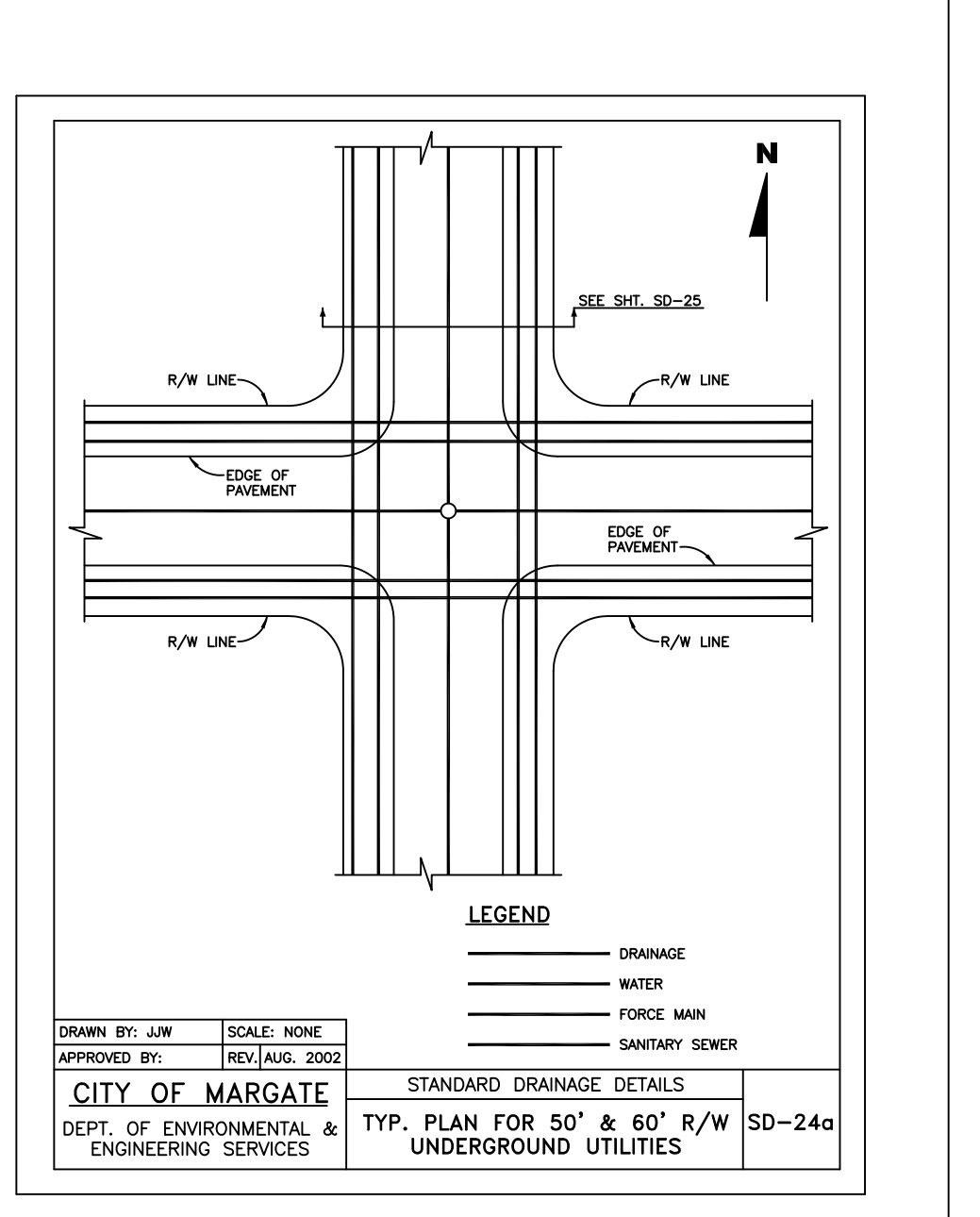
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
STANDARD UTILITY CROSSING SD-21a



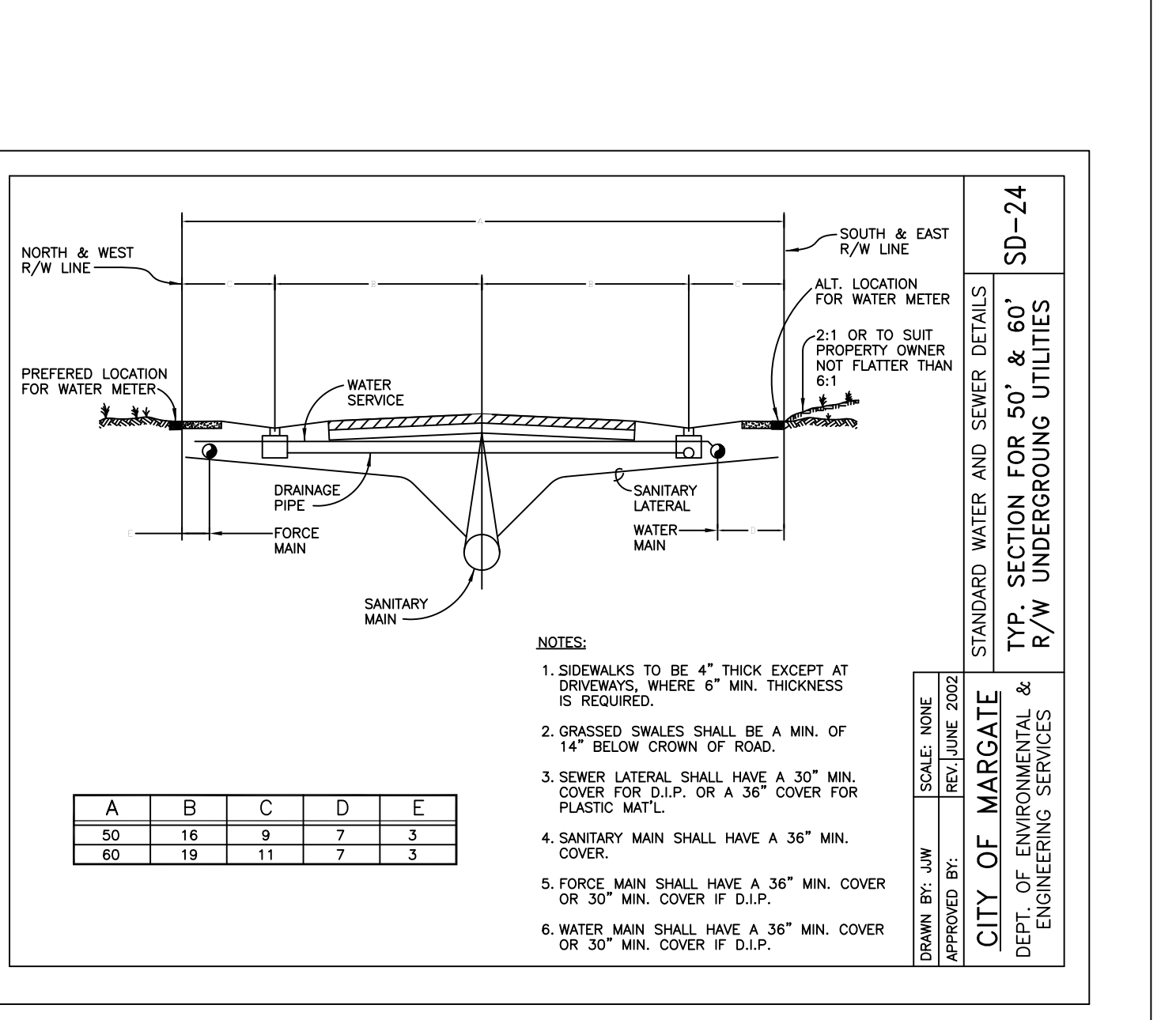
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
STANDARD UTILITY CROSSING SD-21b



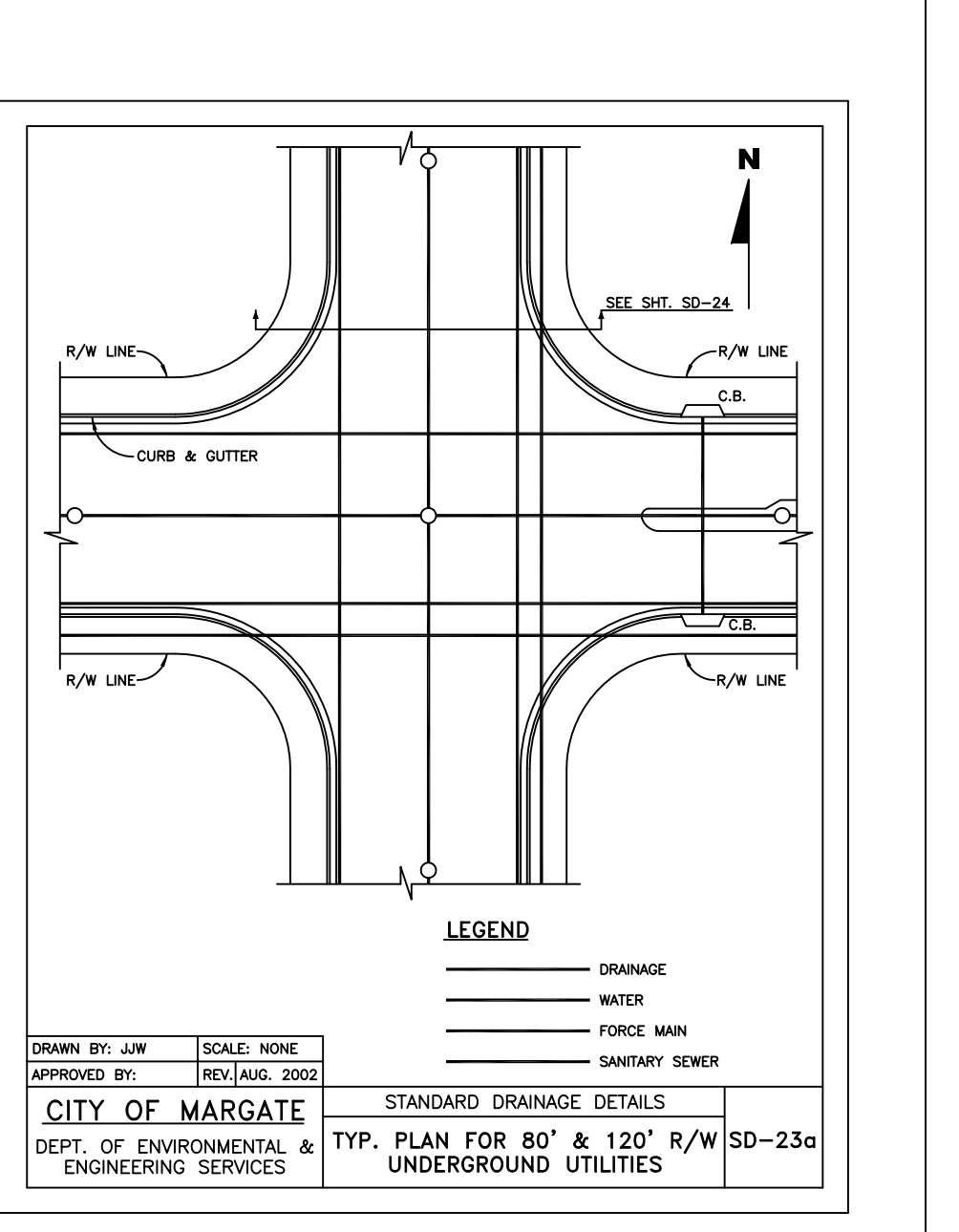
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
TYP. PLAN FOR 50' & 60' R/W UNDERGROUND UTILITIES SD-25



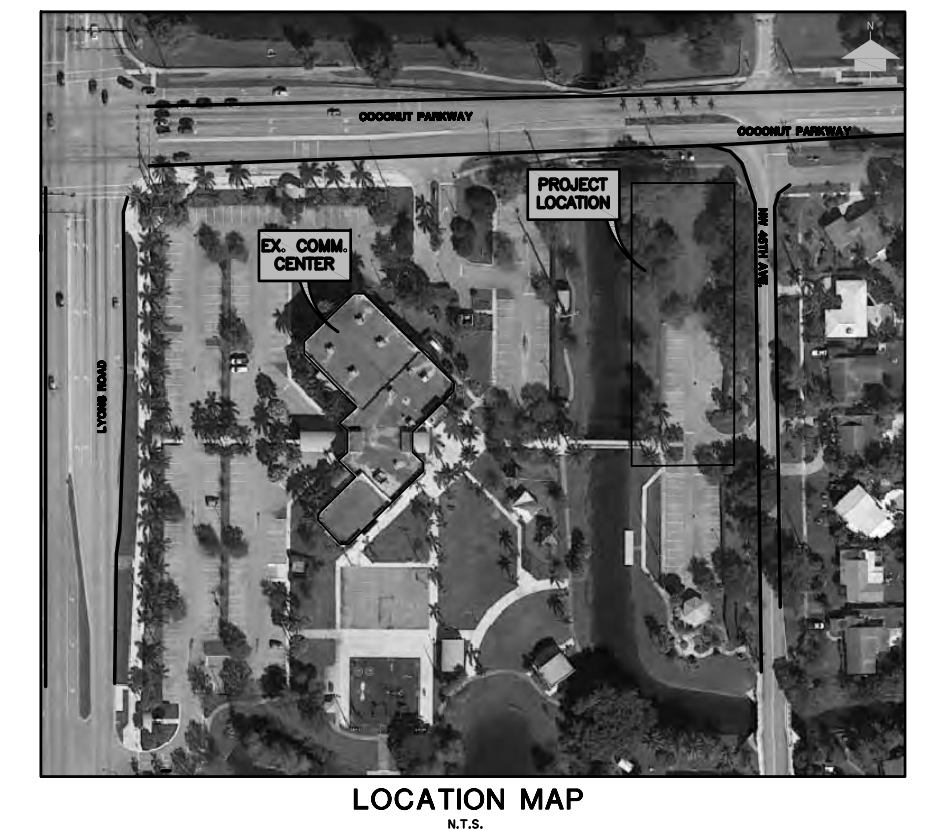
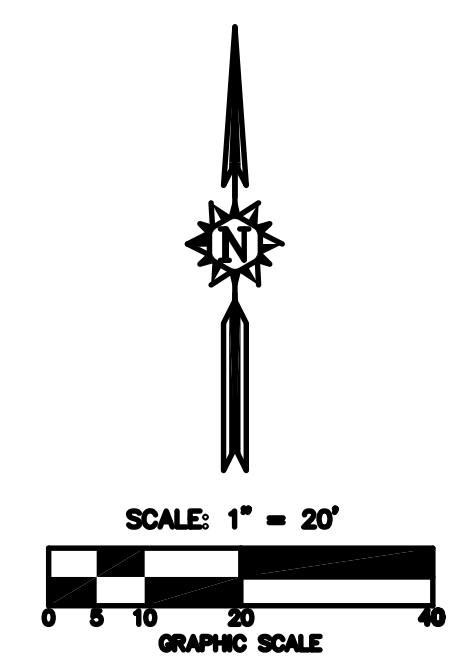
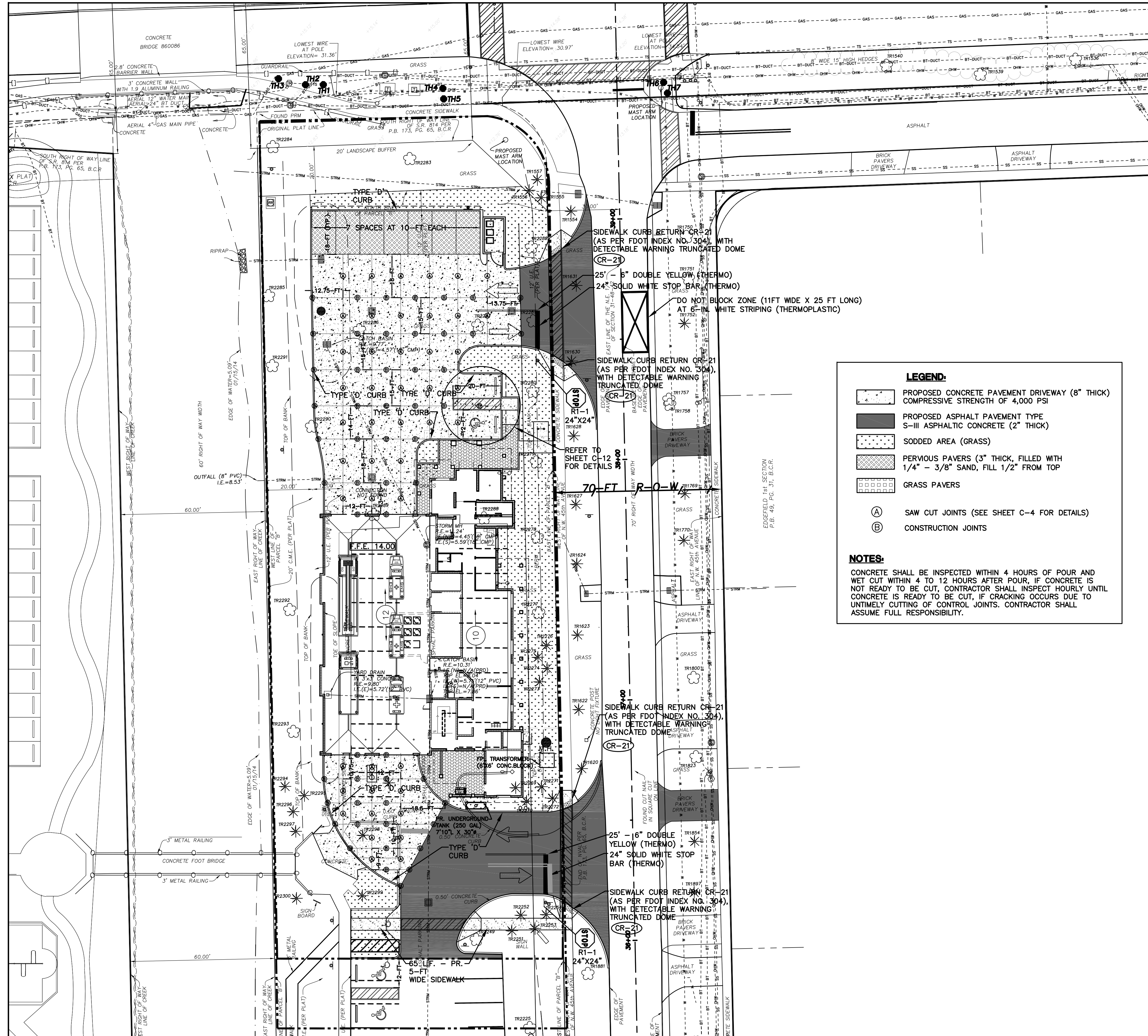
CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
TYP. SECTION FOR 50' & 60' R/W UNDERGROUND UTILITIES SD-24



CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD WATER AND SEWER DETAILS  
TYP. PLAN FOR 50' & 60' R/W UNDERGROUND UTILITIES SD-24a



CITY OF MARGATE  
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES  
STANDARD DRAINAGE DETAILS  
TYP. PLAN FOR 80' & 120' R/W UNDERGROUND UTILITIES SD-23a



**LEGEND:**

- PROPOSED CONCRETE PAVEMENT DRIVEWAY (8" THICK) COMPRESSIVE STRENGTH OF 4,000 PSI
- PROPOSED ASPHALT PAVEMENT TYPE S-III ASPHALTIC CONCRETE (2" THICK)
- SODDED AREA (GRASS)
- PERVIOUS PAVERS (3" THICK, FILLED WITH 1/4" - 3/8" SAND, FILL 1/2" FROM TOP)
- GRASS PAVERS
- SAW CUT JOINTS (SEE SHEET C-4 FOR DETAILS)
- CONSTRUCTION JOINTS

**NOTES:**

CONCRETE SHALL BE INSPECTED WITHIN 4 HOURS OF POUR AND WET CUT WITHIN 4 TO 12 HOURS AFTER POUR, IF CONCRETE IS NOT READY TO BE CUT, CONTRACTOR SHALL INSPECT HOURLY UNTIL CONCRETE IS READY TO BE CUT, IF CRACKING OCCURS DUE TO UNTIMELY CUTTING OF CONTROL JOINTS. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY.

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

NO. REVISION DATE  
 CONSTRUCTION 11-3-14  
 ISSUE SET

CONSULTANT:  
 CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM

**PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.**

NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

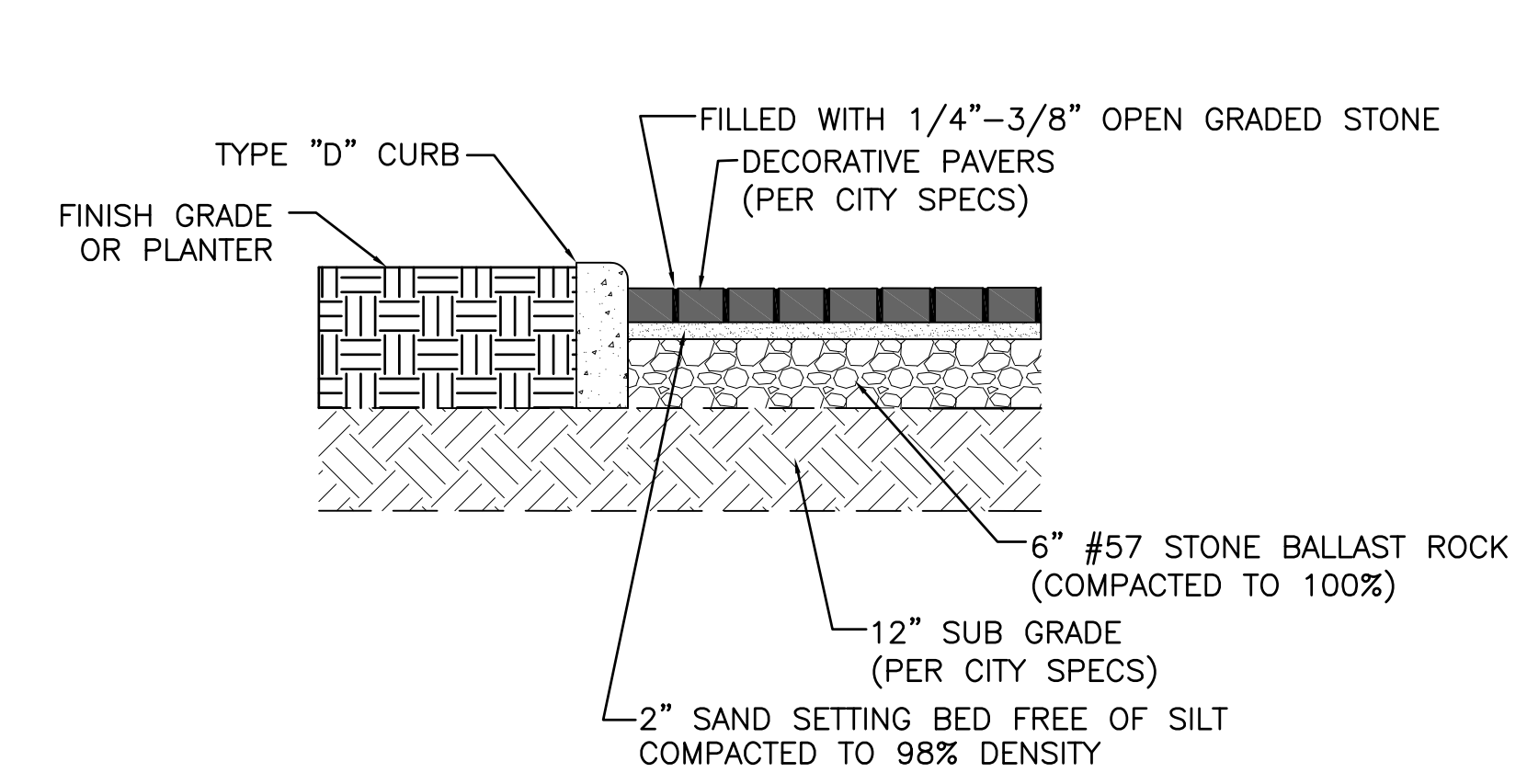
DRAWING TITLE:  
**MARKING  
 AND SIGNAGE  
 PLAN**

DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-101B  
 SHEET:

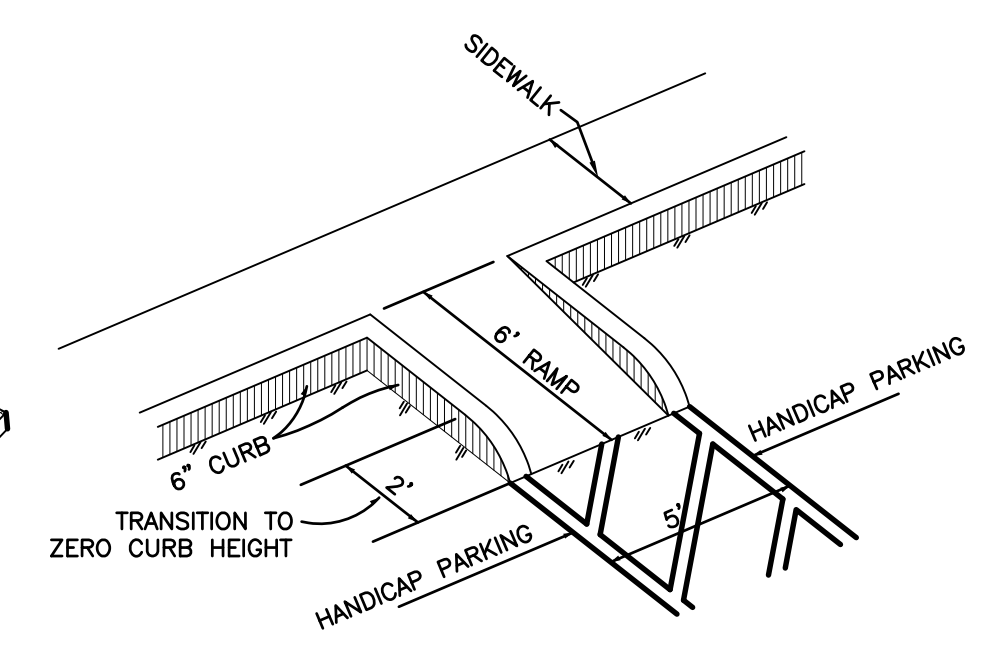
**C-11**

MARC A. FERMANIAN, P.E.  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA

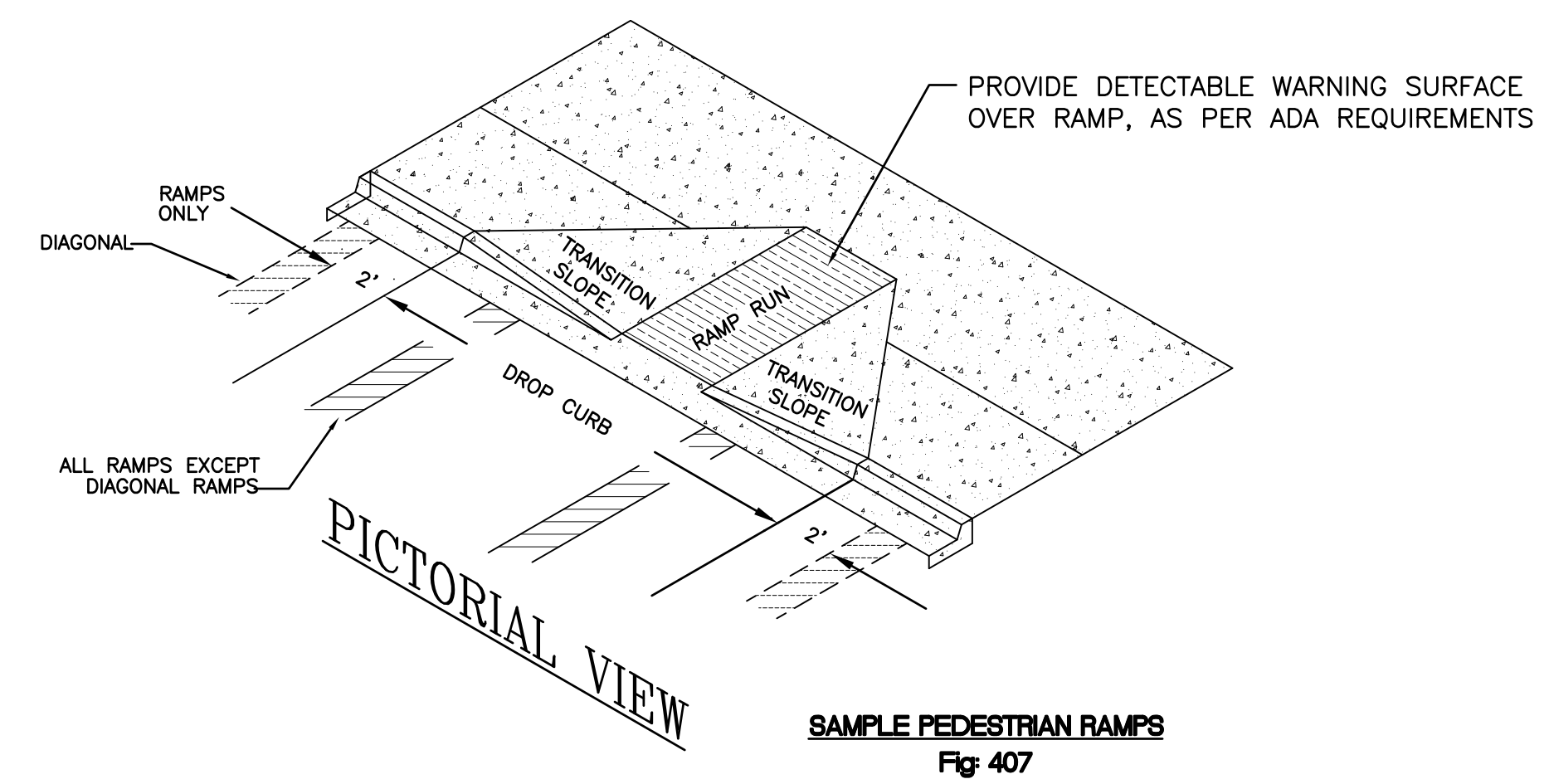
DATE:



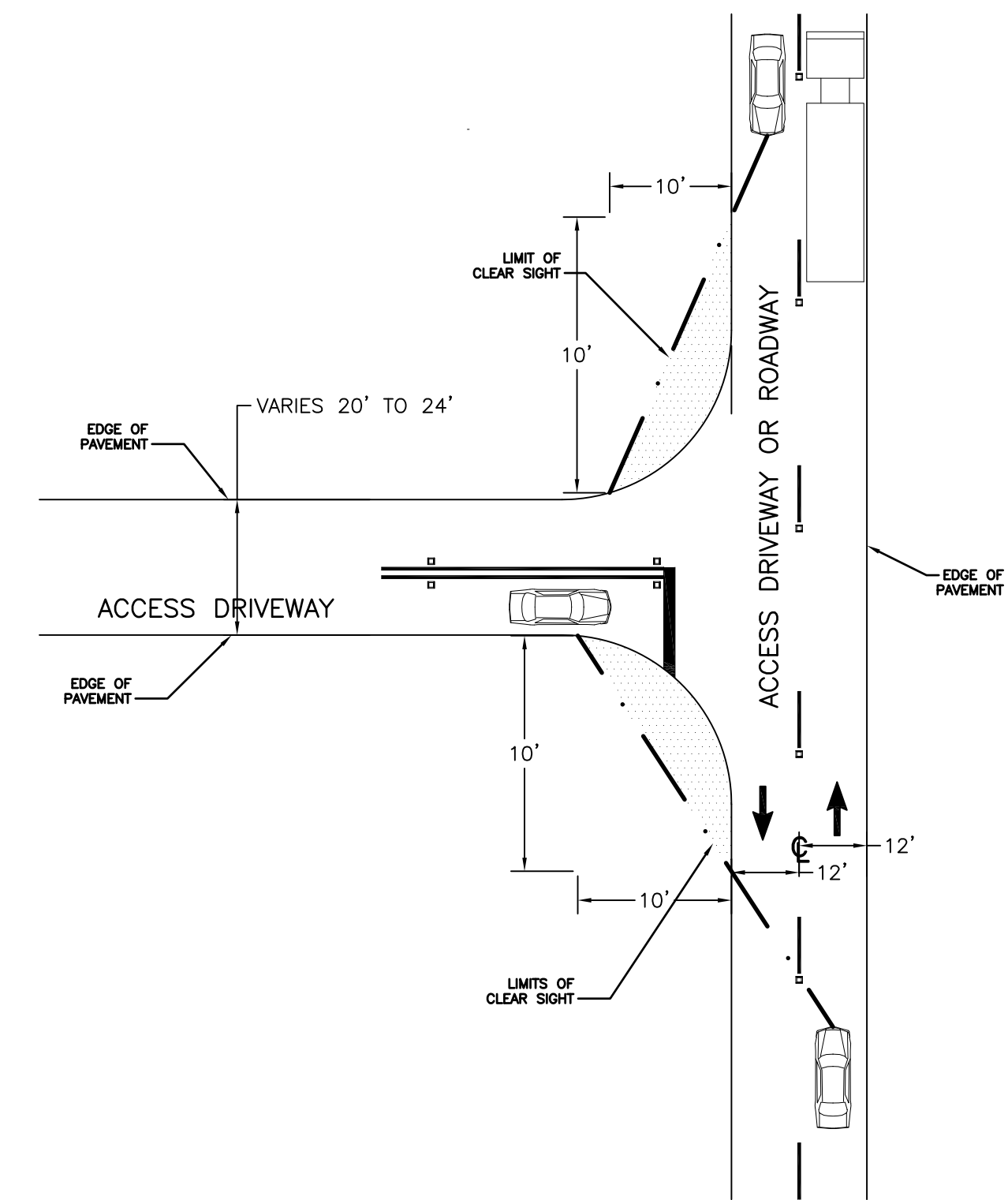
**PERVIOUS PAVER INSTALLATION**



**RAMP AT HANDICAP PARKING**



**PICTORIAL VIEW**  
 SAMPLE PEDESTRIAN RAMPS  
 Fig. 407

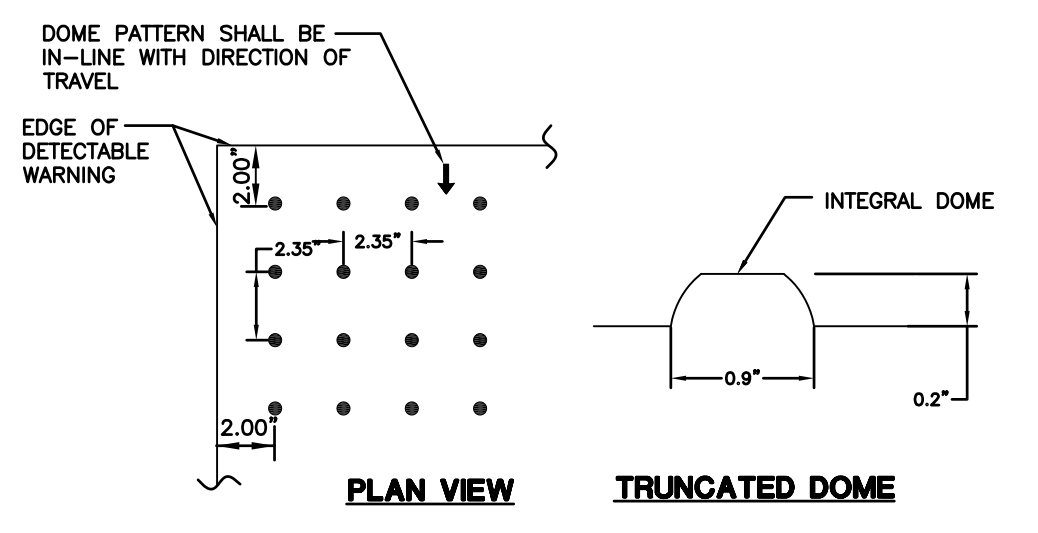


**DRIVEWAY CONNECTION**

NOTE: FOR CONNECTIONS WITH PUBLIC ROADWAYS, REFER TO FDOT INDEX 546.

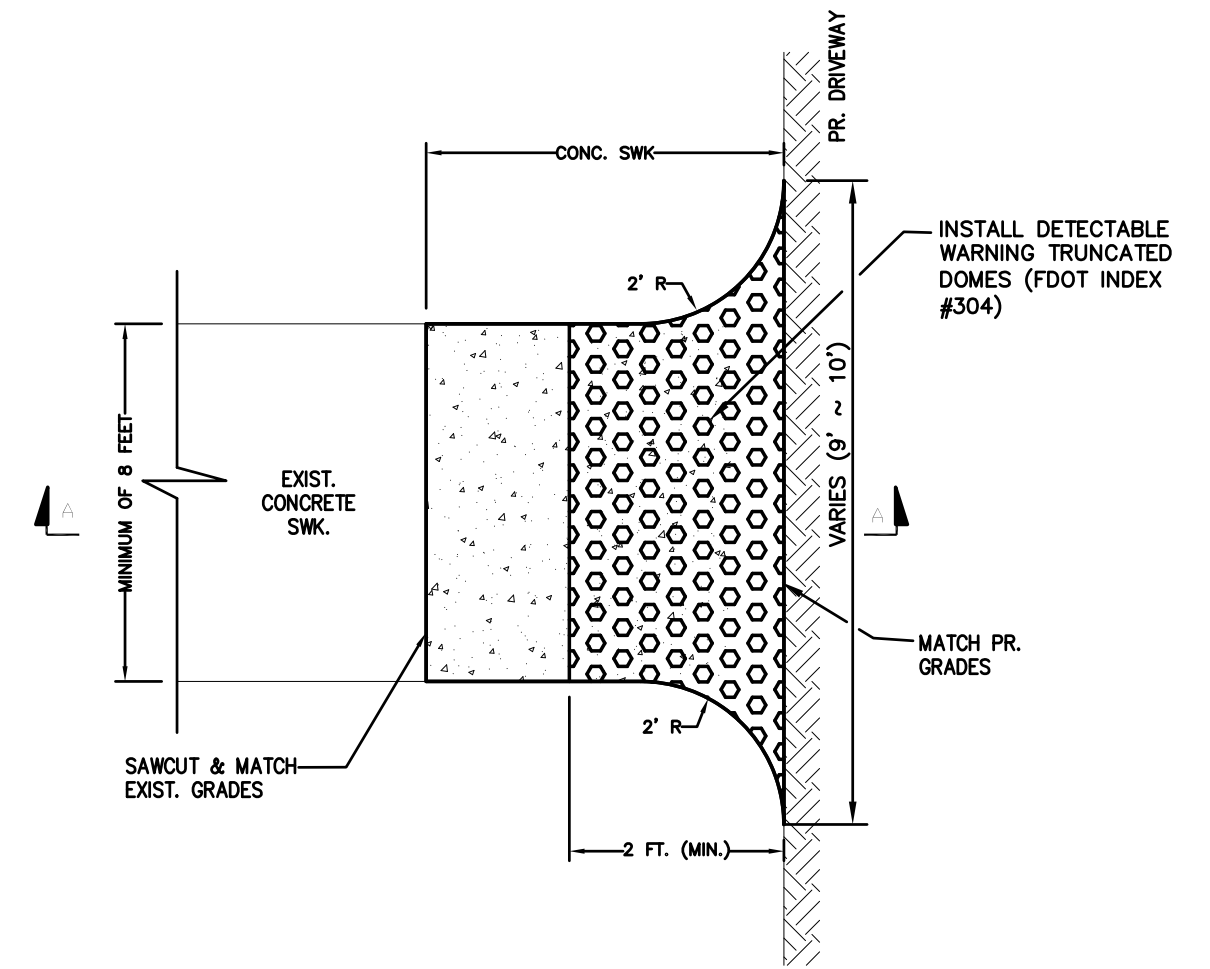
**SIGHT VISIBILITY TRIANGLE**  
 Fig. 550A

**HANDICAP RAMP**

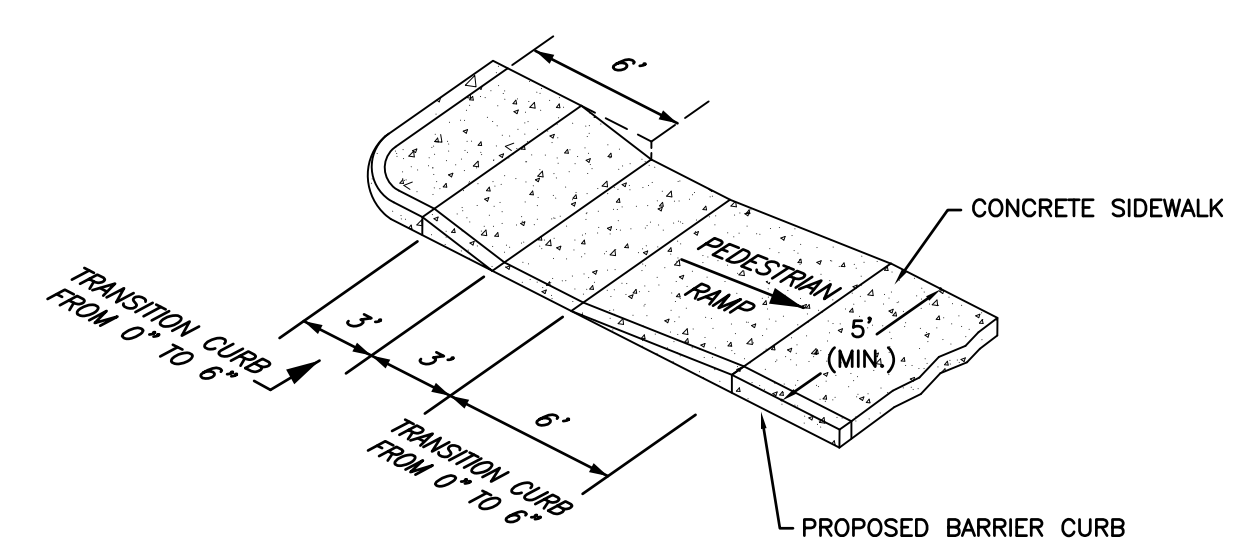


NOTES:  
 1. DETECTABLE WARNING PER FDOT INDEX # 304  
 2. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" INCHES FROM THE BACK OF CURB.

**DETECTABLE WARNING DETAIL**  
 N.T.S.

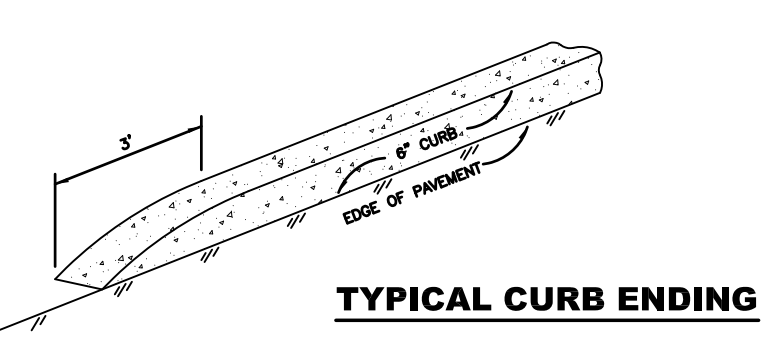


**PUBLIC SIDEWALK CURB RAMP** (CR 21)  
 N.T.S.

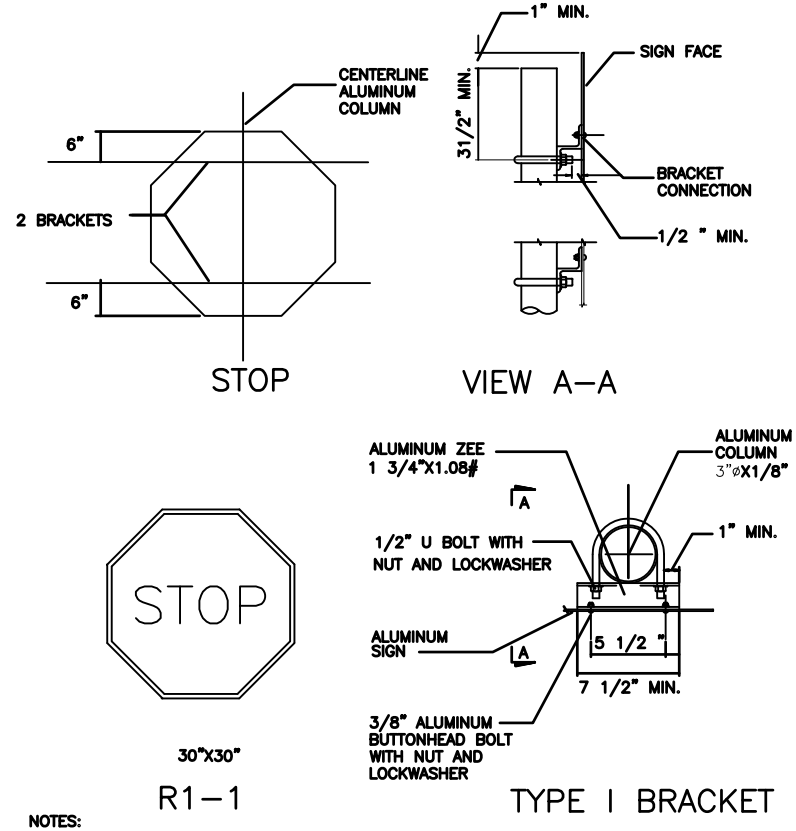


NOTE:  
 REFER TO FDOT INDEX NO. 304

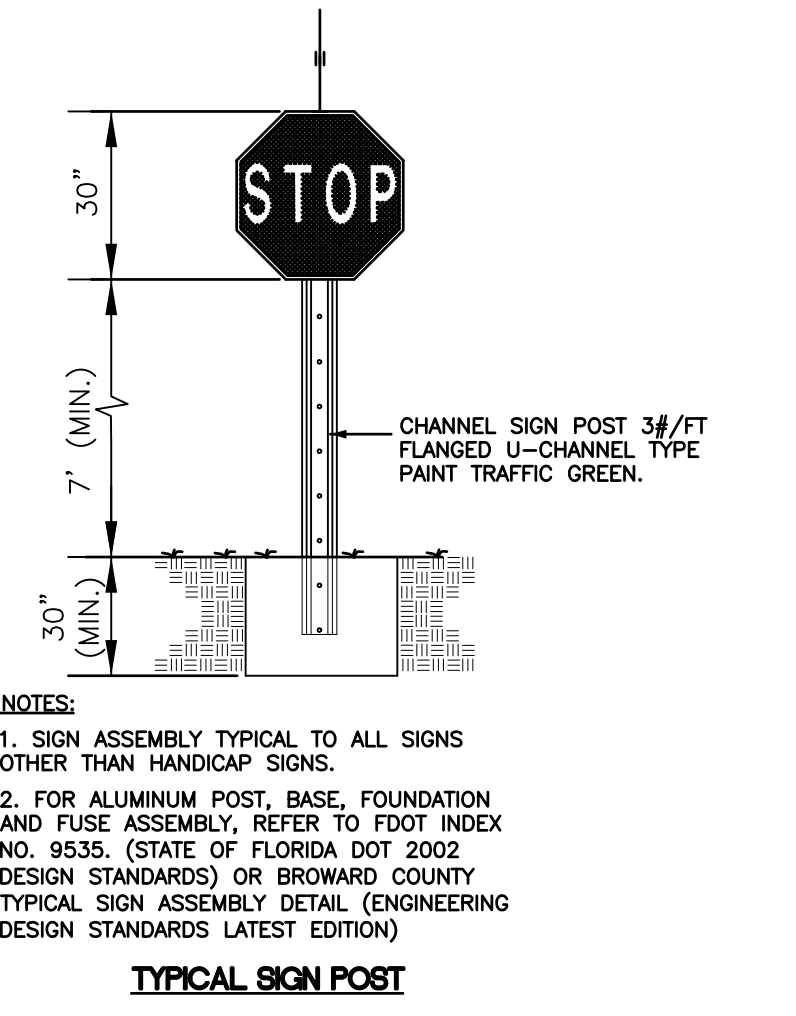
**CURB & GUTTER TERMINATION DETAIL**



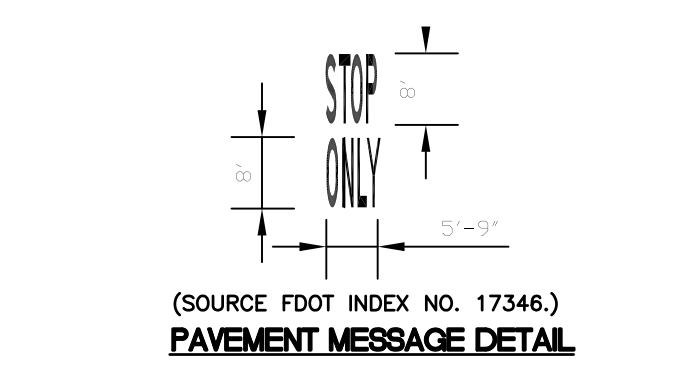
**TYPICAL CURB TERMINATION**  
 Fig. 351



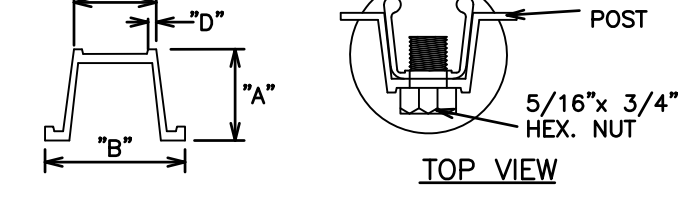
**STOP SIGN AND TYPICAL SIGN BRACKET DETAIL**  
 Fig. 313



**STOP SIGN AND TYPICAL SIGN BRACKET DETAIL**  
 Fig. 313

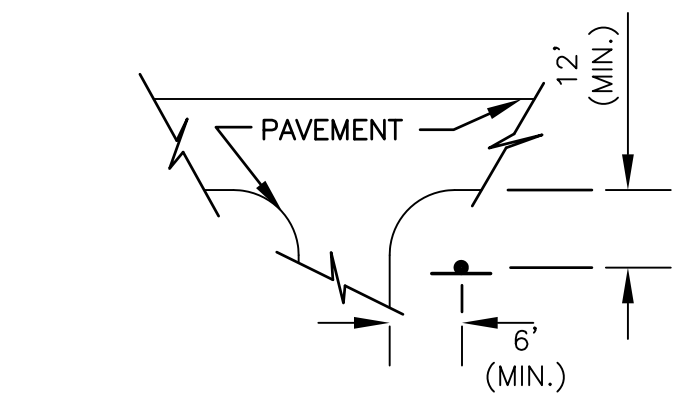


**PAVEMENT MESSAGE DETAIL**  
 (SOURCE FDOT INDEX NO. 17346.)

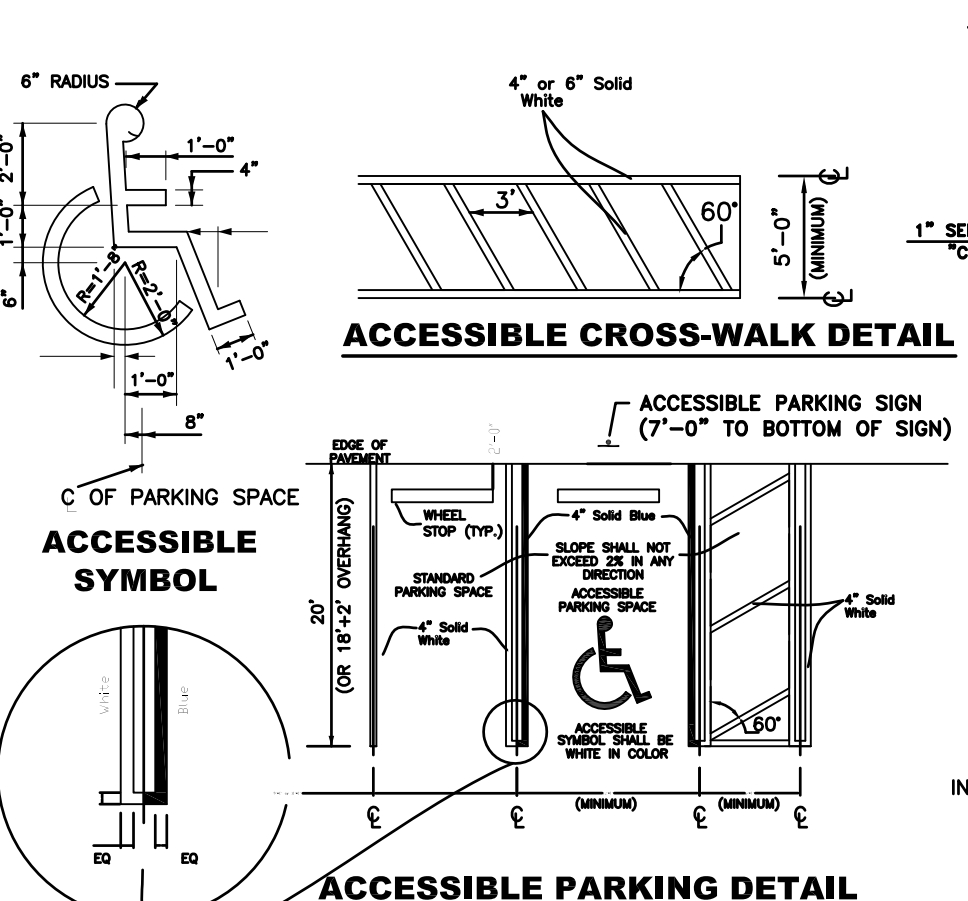


DIMENSION	TOLERANCE	2.00"	3.00"
"A"	+3/32"	1 15/32"	1 7/8"
"B"	+1/8"	3 1/16"	3 1/2"
"C"	+1/16"	1 9/32"	1 5/16"
"D"	+1/32"	3/16"	7/32"

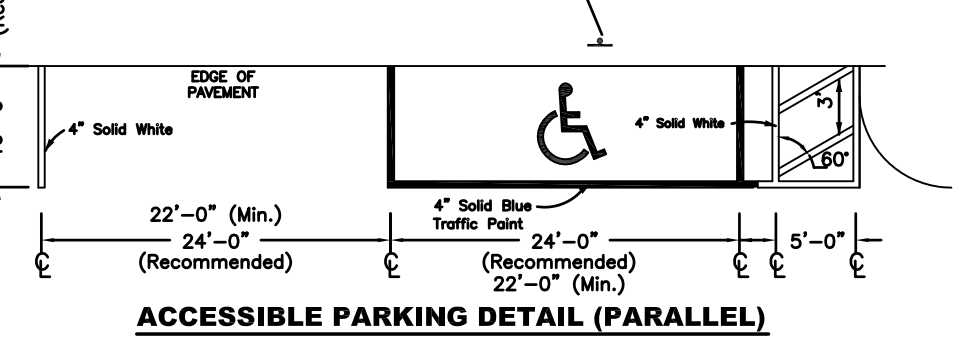
**CHANNEL POST**



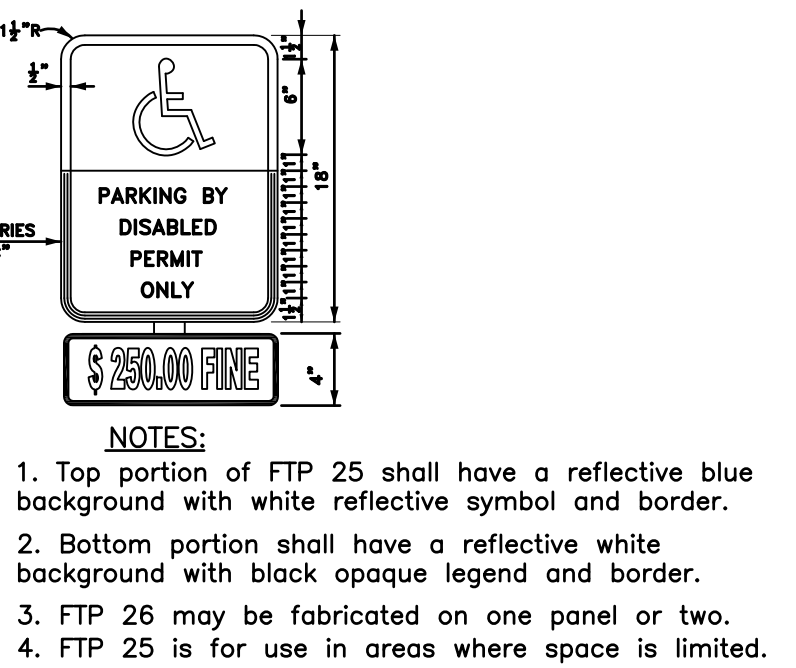
**TYPICAL STOP SIGN LOCATION**



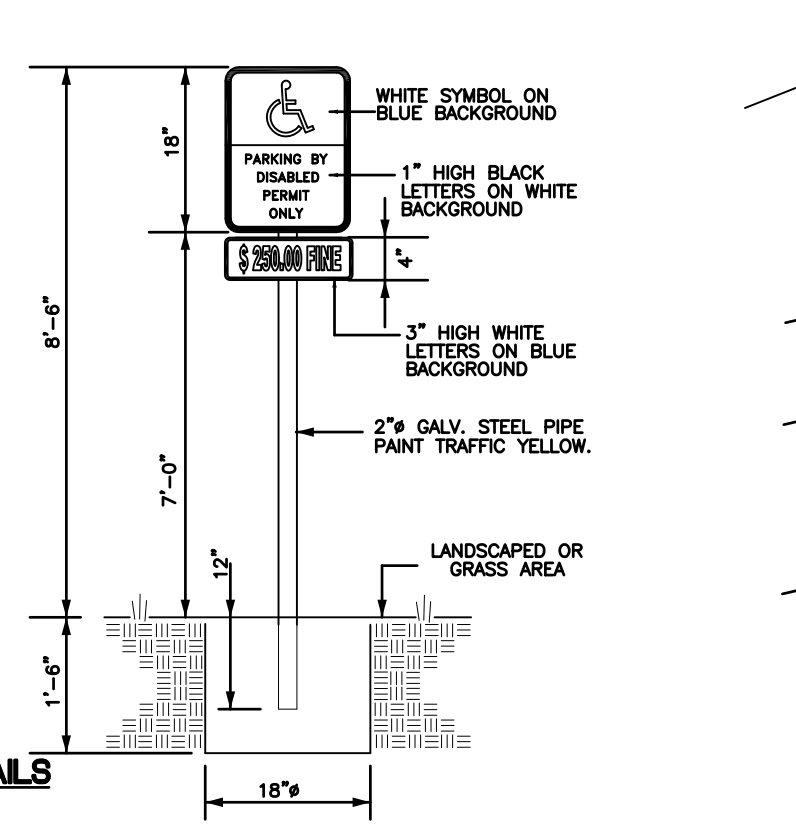
**ACCESSIBLE PARKING DETAIL (PARALLEL)**



**ACCESSIBLE PARKING DETAIL (PARALLEL)**



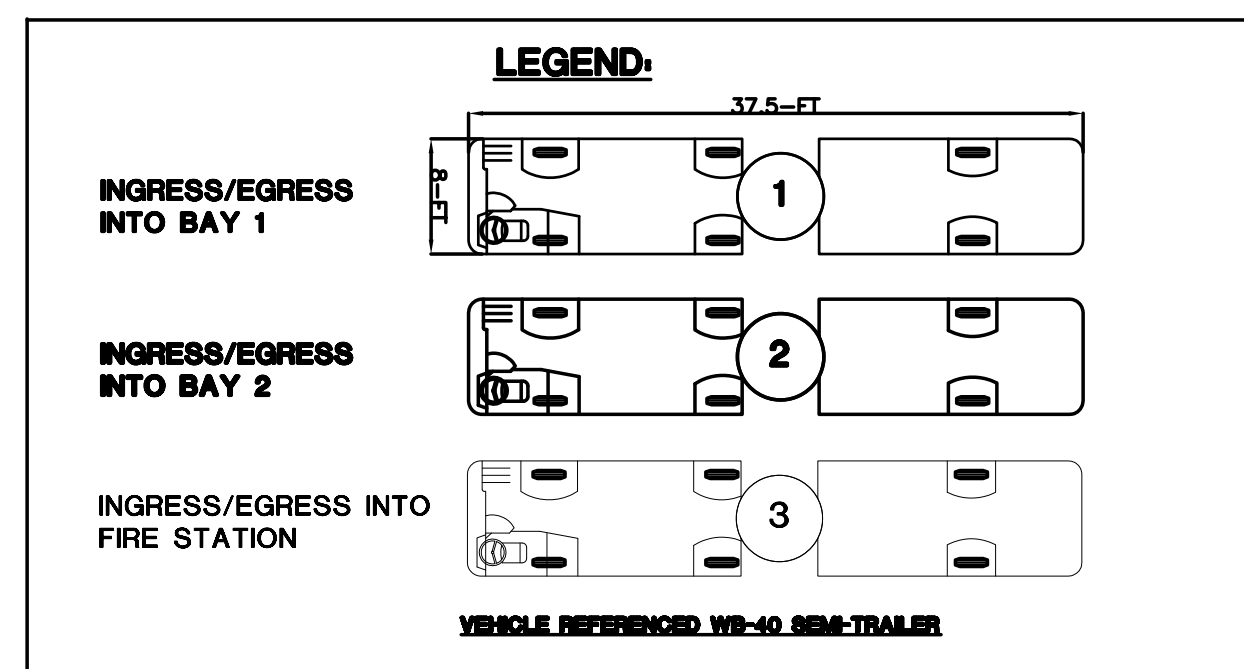
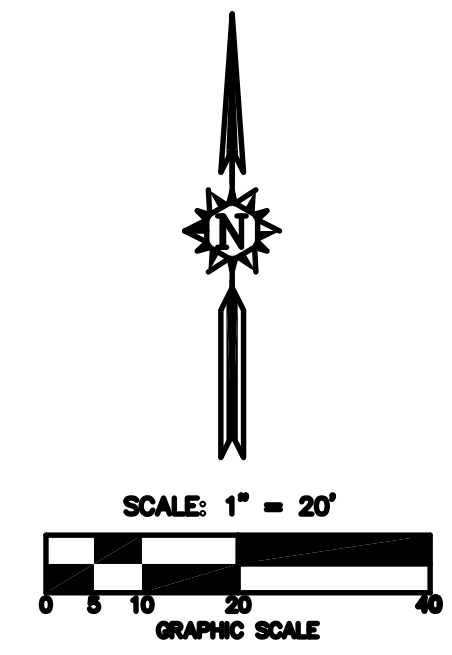
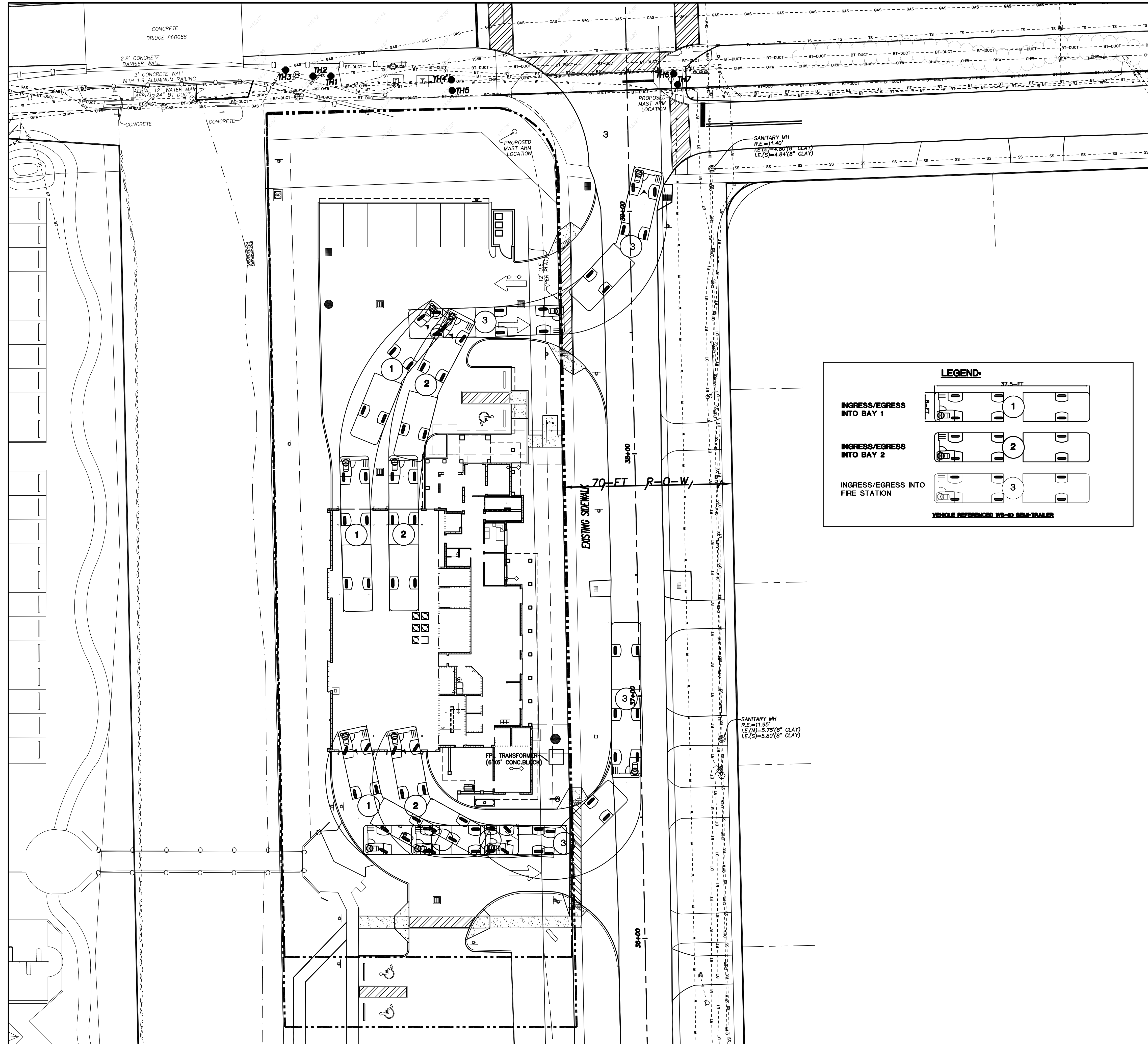
**HANDICAP SIGN**  
 F.D.O.T. INDEX NO. 17355  
 INSTALL SIGN IN FRONT OF HANDICAP SPACE



**HANDICAP SIGN INSTALLATION DETAIL**

NOTES:  
 1. ACCESSIBLE PARKING SPACES SHALL COMPLY WITH THE FLORIDA BUILDING CODE, ADAAG, AND CITY OF COCONUT CREEK ORDINANCES.

**HANDICAP PARKING DETAILS**  
 Fig. 320



**CRJ & Associates, Inc.**  
 Consulting Engineers and Planners  
 Florida Authorization # 0008245  
 10000 W. BOULEVARD, SUITE 200  
 BOCA RATON, FLORIDA 33433

**PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.**  
 NW 43 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA 12600685 WWW.CPZARCHITECTS.COM



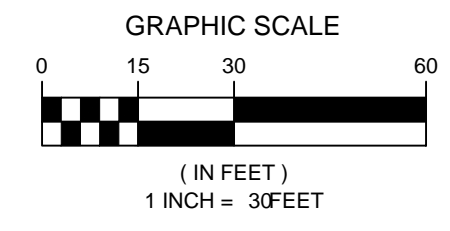
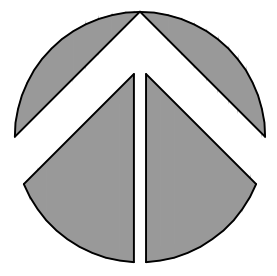
DRAWING TITLE:  
**TRUCK  
 CIRCULATION  
 PLAN**

DRAWN C.E.O.  
 CHECKED M.A.F.  
 DATE 11/03/2014  
 SCALE AS NOTED  
 PROJ. NO. CNK-1018  
 SHEET:

**MARC A. FERMANIAN, P.E.**  
 PROFESSIONAL ENGINEER NO. 52626  
 STATE OF FLORIDA



V:\PROJECTS\2013\430.001 - COCONUT CREEK FIRE STATION 50\CAD\430.001\_TDP\_ADD\_ALT.DWG 11/2/14 by EHARRISON



COCONUT CREEK PARKWAY

NW 12TH STREET

EXISTING TREE TO REMAIN (TYP.)

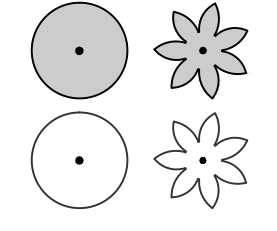
EXISTING HEDGE TO REMAIN

NW 45TH AVENUE

ADD ALTERNATE BID ITEM #3 BOUNDARY

REMOVE EXISTING SHRUBS (TYP.) ±3,500 SF

**TREE REMOVAL/RELOCATION LEGEND**



TREE OR PALM TO BE RELOCATED

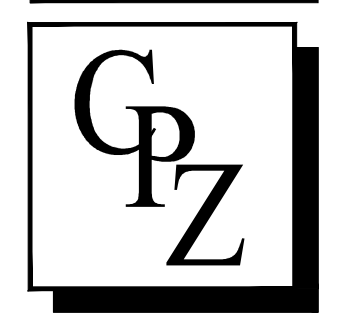
TREE OR PALM TO REMAIN

NO. REVISION	DATE
Construction	Issue
Set	11-3-14



PROPOSED NEW FIRE STATION 50  
 NW 45 AVE.  
 NW 45 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8825 FAX: (954) 337-0359  
 AA 12800685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
TREE DISPOSITION  
PLAN - ADD ALT BID #3

DRAWN	EDH
CHECKED	MSB
DATE	5-22-14
SCALE	AS NOTED
PROJECT NO.	1220B
SHEET:	

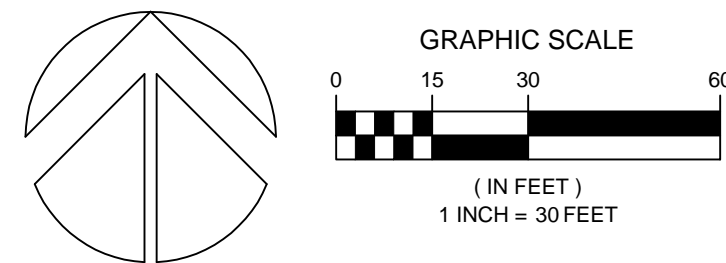
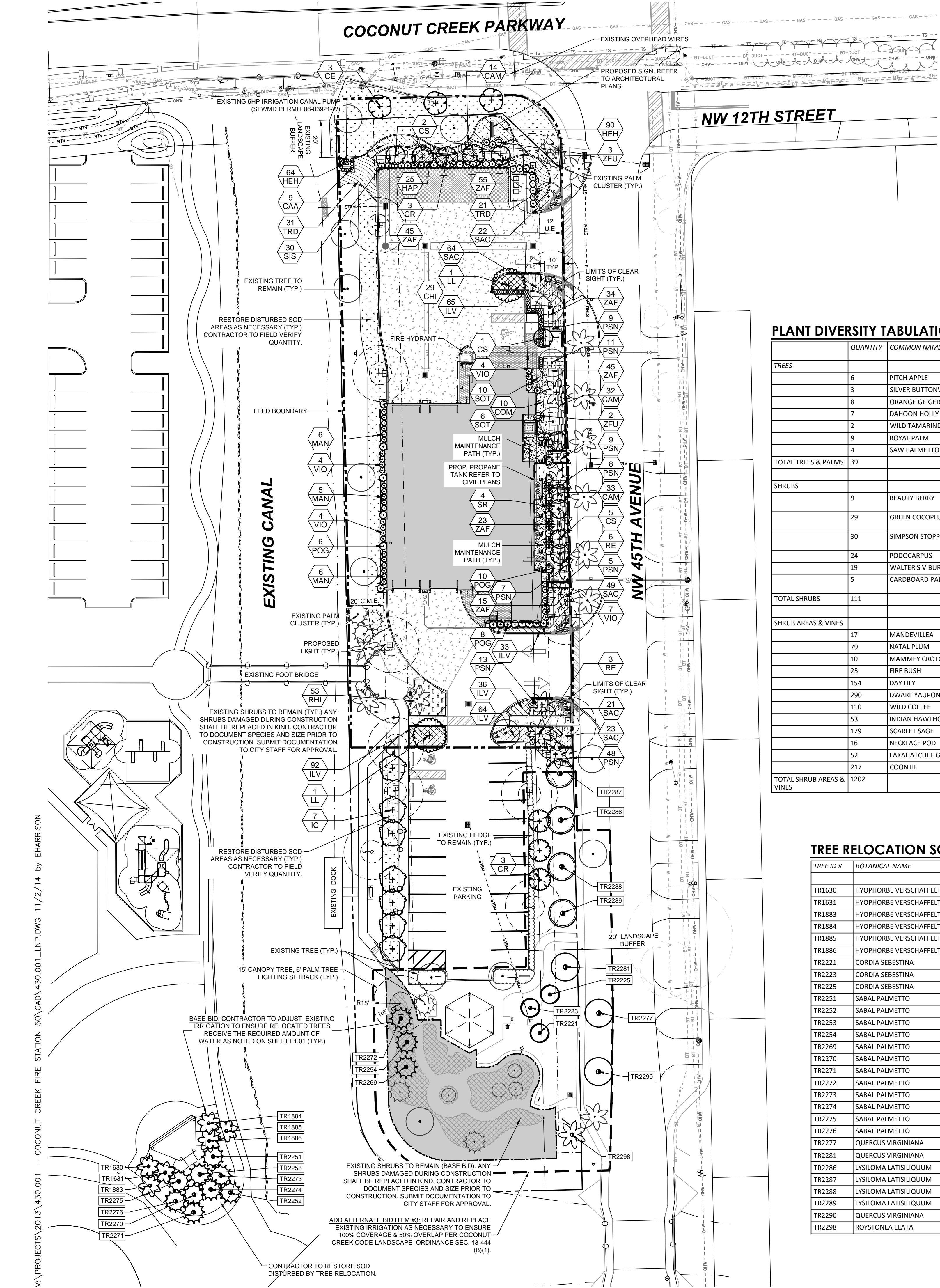
ERIC HARRISON, RLA

FL REGISTRATION NO. 6667129  
STATE OF FLORIDA

7-18-14  
DATE:

L1.01A





**BASE BID PLANT SCHEDULE**

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	REMARKS	
	CR	6	Pitch Apple	<i>Clusia rosea</i>	8 & B	10' - 12' OAH	Yes	Low Water Use Per SFWMD	
	CE	3	Silver Button Wood	<i>Conocarpus erectus sericeus</i>	8 & B	12' - 14' HT, 6' SPRD, 3' CAL	Yes	Full To Base, Low Water Use Per SFWMD	
	CS	8	Orange Geiger Tree	<i>Cordia sebestena</i>	8 & B	12' O.A.H., 2.5' CAL.	Yes	Low Water Use Per SFWMD	
	IC	7	Dahoon Holly	<i>Ilex cassine</i>	8 & B	8' HT, 3' SPRD, 1-1/2' DBH	Yes	Full To Base, Low Water Use Per SFWMD	
	LL	2	Wild Tamarind	<i>Lysiloma latifolium</i>	8 & B	14' - 16' HT, 4' CAL	Yes	Low Water Use Per SFWMD	
	RE	9	Florida Royal Palm	<i>Roystonea elata</i>	8 & B	14' CT	Yes	Moderate Water Use Per SFWMD	
	SR	4	Saw Palmetto	<i>Serenoa repens</i>	25 gal	4'-6" HT	Yes	Low Water Use Per SFWMD	
<b>RELOCATED TREES</b>									
TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	REMARKS	
	CS-R	3	Orange Geiger	<i>Cordia sebestena</i>	Relocated	See Tree Disposition Plan	Yes		
	HV-R	6	Spindle Palm	<i>Hyophorbe verschaffeltii</i>	Relocated	See Tree Disposition Plan	No		
	LL-R	4	Wild Tamarind	<i>Lysiloma latifolium</i>	Relocated	See Tree Disposition Plan	Yes		
	QV-R	3	Live Oak	<i>Quercus virginiana</i>	Relocated	See Tree Disposition Plan	Yes		
	RE-R	1	Florida Royal Palm	<i>Roystonea elata</i>	Relocated	See Tree Disposition Plan	Yes		
	SP-R	12	Cabbage Palm	<i>Sabal palmetto</i>	Relocated	See Tree Disposition Plan	Yes		
<b>SHRUBS</b>									
SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	REMARKS	
	CAA	9	Beauty Berry	<i>Callicarpa americana</i>	3 gal	24"x24"	Yes	Low Water Use Per SFWMD	
	CHI	29	Green Cocoplum	<i>Chrysobalanus icaco</i>	3 gal	24" HT, 24" SPRD	Yes	Low Water Use Per SFWMD	
	SS	30	Simpson Stopper	<i>Myrciophora fragrans</i>	7 gal	6' OAH	Yes	Low Water Use Per SFWMD	
	POG	24	Podocarpus	<i>Podocarpus macrophyllus</i> 'Column'	7 gal	5' OAH	No	Low Water Use Per IFAS	
	VIO	19	Walter's Viburnum	<i>Viburnum obtovatum</i>	3 gal	24"x24"	Yes	Low Water Use Per SFWMD	
	ZFU	5	Cardboard Palm	<i>Zamia furfuracea</i>	7 gal	3' HT, 3' SPRD	No	Low Water Use Per SFWMD	
<b>VINES/SPALIER</b>									
VINES/SPALIER	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	REMARKS	
	MAN	17	Mandevilla	<i>Mandevilla</i> spp. 'Crimson Red'	3 gal	24"x24"	No	Low Water Use Per SFWMD	
<b>SHRUB AREAS</b>									
SHRUB AREAS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	SPACING	REMARKS
	CAM	79	Natal Plum	<i>Carissa macrocarpa</i>	3 gal	18" HT, 18" SPRD	Yes	30" o.c.	Low Water Use Per SFWMD
	COM	10	Mammey Croton	<i>Codiaeum variegatum</i> 'Mammey'	3 gal	18"x18"	No	30" o.c.	Low Water Use Per SFWMD
	HAP	25	Fire Bush	<i>Hamelia patens</i>	3 gal	24" HT, 24" SPRD	Yes	30" o.c.	Low Water Use Per SFWMD
	HEH	154	Day Lily	<i>Hemerocallis hybridis</i>	1 gal	10"x10"	No	18" o.c.	Low Water Use Per SFWMD
	ILV	290	Dwarf Yaupon Holly	<i>Ilex vomitoria</i>	3 gal	18" HT, 18" SPRD	Yes	18" o.c.	Low Water Use Per SFWMD
	PSN	110	Wild Coffee	<i>Psychotria nervosa</i>	3 gal	18"x18"	Yes	30" o.c.	Low Water Use Per SFWMD
	RHI	53	Indian Hawthorn	<i>Rhampholepis indica</i>	3 gal	18"x18"	No	30" o.c.	Moderate Water Use Per SFWMD
	SAC	179	Scarlet Sage	<i>Salvia coccinea</i>	1 gal	9" HT, 9" SPRD	Yes	24" o.c.	Low Water Use Per SFWMD
	SOT	16	Yellow Necklace Pod	<i>Sapotea tomentosa</i>	3 gal	18"x18"	Yes	36" o.c.	Low Water Use Per SFWMD
	TRD	52	Fakahatchee Grass	<i>Tripsacum dactyloides</i>	3 gal	18"x18"	Yes	36" o.c.	Low Water Use Per SFWMD
	ZAF	217	Coontie Palm	<i>Zamia floridana</i>	3 gal	18" HT, 18" SPRD	Yes	24" o.c.	Low Water Use Per SFWMD
<b>GROUND COVERS</b>									
GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	NATIVE	REMARKS	
	SOD	6,376 sf	Bahia Sod	<i>Paspalum notatum</i> 'Argentine'	SOD	FULL	No		

REFER TO SHEET L2.02 FOR LANDSCAPE REQUIREMENTS, NOTES AND LANDSCAPE SPECIFICATIONS.

NO PERMANENT IRRIGATION IS PROPOSED WITHIN THE LEED BOUNDARY SHOWN ON THESE PLANS. TEMPORARY IRRIGATION WILL BE PROVIDED FOR THE 1ST YEAR OF INSTALLATION, MAINTENANCE AND MATERIALS FOR ALL ZONING DISTRICTS. LANDSCAPING SHALL BE KEPT REASONABLY FREE OF VISIBLE SIGNS OF INSECTS, DISEASE AND SHALL BE APPROPRIATELY IRRIGATED AND FERTILIZED TO ENABLE LANDSCAPING TO BE IN A HEALTHY, VIGOROUS AND GROWING CONDITION. ALL LANDSCAPED AREAS EXCEPT THOSE UTILIZING XERISCAPE OR PRESERVE AREAS SHALL HAVE AN UNDERGROUND IRRIGATION SYSTEM DESIGNED TO PROVIDE ONE HUNDRED (100) PERCENT COVERAGE WITH FIFTY (50) PERCENT OVERLAP EXCEPT APPROVED SITE PLANNED AREAS THAT EXISTED PRIOR TO THE ADOPTION OF THIS ORDINANCE. SEE THE IRRIGATION SUBSECTION 13-444(B)(6) FOR FURTHER PROVISIONS.

COCONUT CREEK CODE OF LANDSCAPE ORDINANCE SEC. 13-442. DEFINITIONS. XERISCAPE MEANS LANDSCAPING UTILIZING WATER THRIFTY PLANTS AND GROUND COVER NEEDING LITTLE MAINTENANCE, WHICH IS DETAILED IN THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PUBLICATION, WATER WISE LANDSCAPING, INCORPORATED HEREIN BY REFERENCE AND AS MAY BE AMENDED OR REVISED FROM TIME TO TIME.

CONTRACTOR IS REQUIRED TO DESIGN/PROVIDE AND MAINTAIN TEMPORARY IRRIGATION SYSTEM FOR THE ESTABLISHMENT AND GROW IN PERIOD OF THE LANDSCAPE AS OUTLINED ABOVE.

**PLANT DIVERSITY TABULATIONS**

TREES	QUANTITY	COMMON NAME	% OF TOTAL (25% MAX.)	COMMENTS
	6	PITCH APPLE	15.38%	
	3	SILVER BUTTONWOOD	7.69%	
	8	ORANGE GEIGER TREE	20.51%	
	7	DAHOON HOLLY	17.95%	
	2	WILD TAMARIND	5.13%	
	9	ROYAL PALM	23.08%	
	4	SAW PALMETTO	10.26%	
	39	TOTAL TREES & PALMS	100.00%	
SHRUBS	QUANTITY	COMMON NAME	% OF TOTAL (25% MAX.)	COMMENTS
	9	BEAUTY BERRY	8.11%	
	29	GREEN COCOPLUM	26.13%	HEDGE IS EXEMPT FROM REQUIREMENT
	30	SIMPSON STOPPER	27.03%	HEDGE IS EXEMPT FROM REQUIREMENT
	24	PODOCARPUS	21.62%	
	19	WALTER'S VIBURNUM	17.12%	
	5	CARDBOARD PALM	4.50%	
	111	TOTAL SHRUBS	100.00%	
SHRUB AREAS & VINES	QUANTITY	COMMON NAME	% OF TOTAL (25% MAX.)	COMMENTS
	17	MANDEVILLA	1.41%	
	79	NATAL PLUM	6.57%	
	10	MAMMEY CROTON	0.83%	
	25	FIRE BUSH	2.08%	
	154	DAY LILY	12.81%	
	290	DWARF YAUPON HOLLY	24.13%	
	110	WILD COFFEE	9.15%	
	53	INDIAN HAWTHORN	4.41%	
	179	SCARLET SAGE	14.89%	
	16	NECKLACE POD	1.33%	
	52	FAKAHATCHEE GRASS	4.33%	
	217	COONTIE	18.05%	
	1202	TOTAL SHRUB AREAS & VINES	100.00%	

**TREE RELOCATION SCHEDULE**

TREE ID #	BOTANICAL NAME	COMMON NAME
TR1630	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR1631	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR1883	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR1884	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR1885	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR1886	HYOPHORBE VERSCHAFFELTII	SPINDLE PALM
TR2221	CORDIA SEBESTINA	ORANGE GEIGER
TR2223	CORDIA SEBESTINA	ORANGE GEIGER
TR2225	CORDIA SEBESTINA	ORANGE GEIGER
TR2251	SABAL PALMETTO	CABBAGE PALM
TR2252	SABAL PALMETTO	CABBAGE PALM
TR2253	SABAL PALMETTO	CABBAGE PALM
TR2254	SABAL PALMETTO	CABBAGE PALM
TR2269	SABAL PALMETTO	CABBAGE PALM
TR2270	SABAL PALMETTO	CABBAGE PALM
TR2271	SABAL PALMETTO	CABBAGE PALM
TR2272	SABAL PALMETTO	CABBAGE PALM
TR2273	SABAL PALMETTO	CABBAGE PALM
TR2274	SABAL PALMETTO	CABBAGE PALM
TR2275	SABAL PALMETTO	CABBAGE PALM
TR2276	SABAL PALMETTO	CABBAGE PALM
TR2277	QUERCUS VIRGINIANA	LIVE OAK
TR2281	QUERCUS VIRGINIANA	LIVE OAK
TR2286	LYSILOMA LATISILVUM	TAMARIND
TR2287	LYSILOMA LATISILVUM	TAMARIND
TR2288	LYSILOMA LATISILVUM	TAMARIND
TR2289	LYSILOMA LATISILVUM	TAMARIND
TR2290	QUERCUS VIRGINIANA	LIVE OAK
TR2298	ROYSTONEA ELATA	ROYAL PALM

NO. REVISION DATE  
Construction Issue  
Set 11-3-14

CONSULTANT:  
**CHEN-MOORE**  
ASSOCIATES  
CERTIFICATES OF AUTHORIZATION  
EB0004993 LC26000425

**PROPOSED NEW FIRE STATION 50**  
**NW 45 AVE.**  
NW 45 AVE. & COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8825 FAX: (954) 337-0359  
AA 12600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
LANDSCAPE  
PLANS - BASE BID

DRAWN EDH  
CHECKED MSB  
DATE 5-22-14  
SCALE AS NOTED  
PROJECT NO. 1220B  
SHEET:

**L2.01**

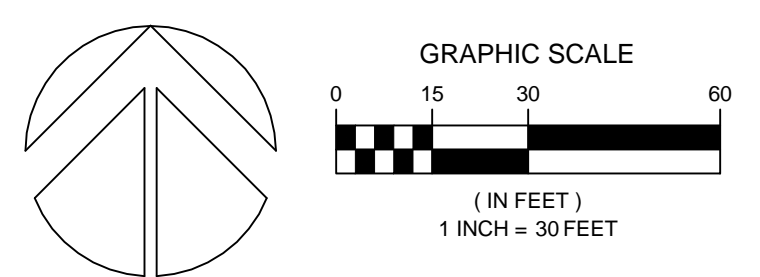
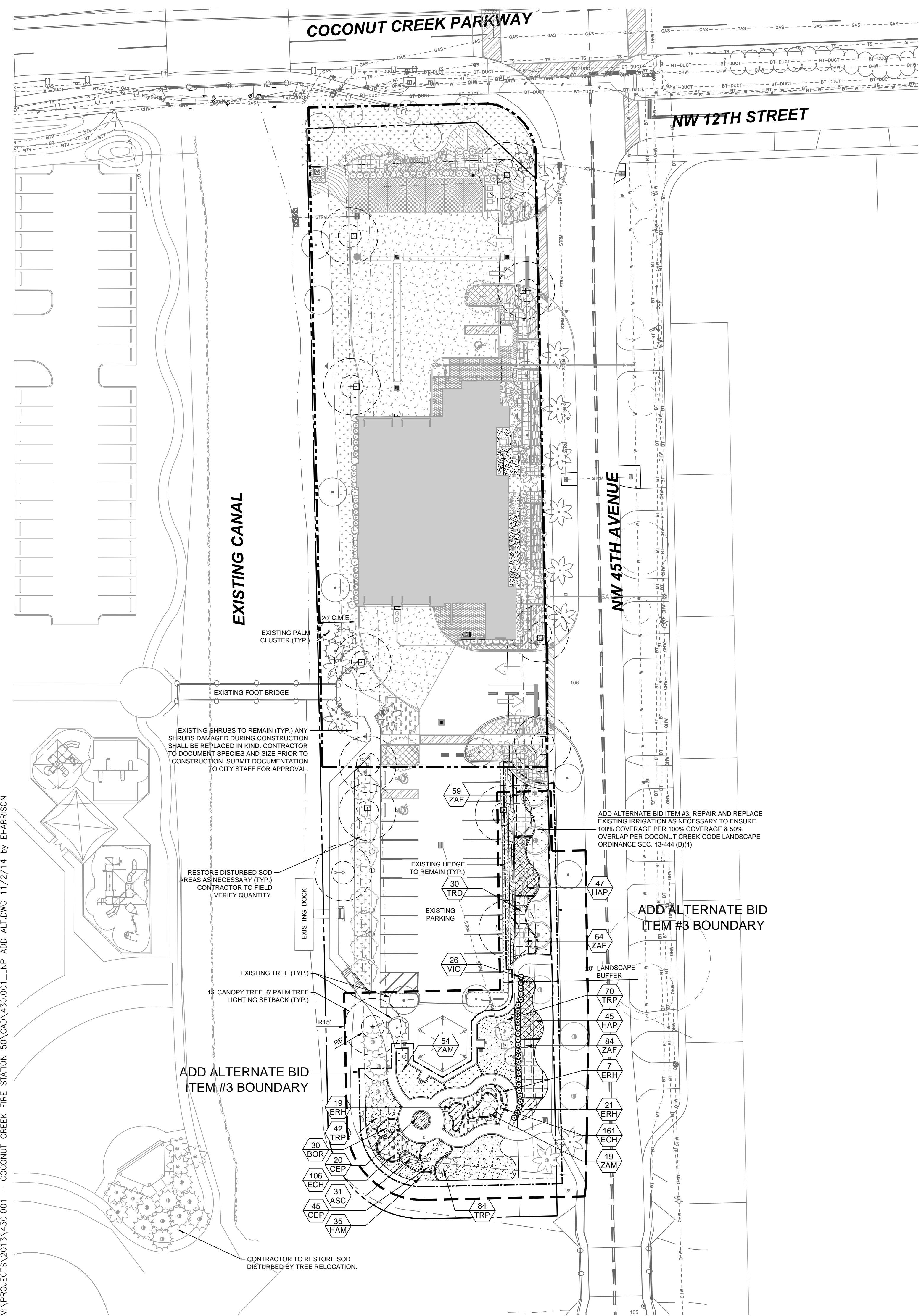
ERIC HARRISON, RLA

FL REGISTRATION NO. 6667129  
STATE OF FLORIDA

7-18-14  
DATE:



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**ADD ALTERNATE #3 PLANT SCHEDULE**

SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS	
	VIO	26	Walter's Viburnum	Viburnum obovatum	3 gal	24"x24"	Yes		
SHRUB AREAS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	SPACING	REMARKS
	HAP	92	Fire Bush	Hamelia patens	3 gal	24" HT, 24" SPRD	Yes	30' o.c.	
	TRD	30	Fakahatchee Grass	Tripsacum dactyloides	3 gal	18"x18"	Yes	36' o.c.	
	ZAF	207	Coontie Palm	Zamia floridana	3 gal	18" HT, 18" SPRD	Yes	24' o.c.	
BUTTERFLY GARDEN	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	SPACING	REMARKS
	ASC	31	Milk Weed	Asclepias curassavica	1 gal	10"x10"	Yes	18' o.c.	
	BOR	30	Sea Oxeye	Borichia frutescens	1 gal	9"x9"	Yes	18' o.c.	
	CEP	65	Buttonbush	Cephalanthus occidentalis	3 gal	18"x18"	Yes	24' o.c.	
	ECH	267	Purple Coneflower	Echinacea purpurea	1 gal	10"x10"	Yes	18' o.c.	
	ERH	47	Coral Bean	Erythrina herbacea	1 gal	10"x10"	Yes	24' o.c.	
	HAM	35	Dwarf Scarlet Bush	Hamelia patens 'Compacta'	3 gal	18"x18"	Yes	30' o.c.	
	TRP	196	Fakahatchee Grass	Tripsacum dactyloides	3 gal	18"x18"	Yes	36' o.c.	
	ZAM	73	Coontie Palm	Zamia floridana	3 gal	18"x18"	Yes	30' o.c.	
GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS	
	SOD	1,893 sf	St. Augustine Grass	Stenotaphrum secundatum 'Floratum'	SOD	FULL	No		

REFER TO SHEET L2.02 FOR LANDSCAPE REQUIREMENTS, NOTES AND LANDSCAPE SPECIFICATIONS.  
REFER TO SHEET L2.03 FOR LANDSCAPE DETAILS

SHRUBS, SHRUB AREAS & BUTTERFLY GARDEN 100% NATIVE

NO. REVISION DATE  
Construction Issue Set 11-3-14

1 8/7/14 PER LEED REQS.

CONSULTANT:



**PROPOSED NEW FIRE STATION 50**  
**NW 45 AVE.**  
 NW 45 AVE. & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

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PLAN

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SHEET:

ERIC HARRISON, RLA

FL REGISTRATION NO. 6667129  
STATE OF FLORIDA



7-18-14  
DATE:

**L2.01A**

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## CITY OF COCONUT CREEK STANDARD LANDSCAPE NOTES

ALL LANDSCAPE AND SPECIFICATIONS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS PROVIDED IN THE CITY OF COCONUT CREEK LAND DEVELOPMENT CODE. PLANS ARE INCOMPLETE WITHOUT WRITTEN NOTES AND SPECIFICATIONS.

1. ALL PLANTING MATERIAL SHALL MEET OR EXCEED FLORIDA GRADE #1 AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. TREES SHALL NOT BE TIPPED, TOPPED, OR SHAPED PRIOR TO INSTALLATION.
2. LANDSCAPE SHALL BE PLACED TO EDGE OF ABUTTING STREETS, CANALS, LAKES OR OTHER LANDS.
3. ALL MECHANICAL EQUIPMENT, AIR CONDITIONING, IRRIGATION PUMP STATIONS AND EQUIPMENT, FPL TRANSFORMERS, POOL PUMPS, ETC., MUST BE SCREENED ON THREE (3) SIDES BY LANDSCAPE SHRUBS.
 

**NOTE:** THE QUANTITY OF SCREENING SHRUBS IS IN ADDITION TO THE REQUIRED NUMBER OF SHRUBS AS PROVIDED IN THE CODE CALCULATION TABLE. ALL SCREENING SHRUBS SHALL BE PLANTED FOR PROPER OPERATION OF EQUIPMENT BEING SCREENED AND/OR PER THE REQUIREMENTS OF THE UTILITY AS NECESSARY. ALL HEDGE MATERIAL REQUIRED FOR SCREENING PURPOSES SHALL BE PLANTED WITH BRANCHES TOUCHING, ADJUST ON-CENTER SPACING AS NECESSARY AND/OR PROVIDE ADDITIONAL PLANTS TO PROVIDE AN ADEQUATE SCREEN.
4. SIGHT DISTANCE CONCERNS MUST BE MAINTAINED FOR CLEAR SIGHT VISIBILITY FROM THIRTY (30) INCHES TO SEVENTY-TWO INCHES, TREE TRUNKS EXCLUDED. MEASUREMENT SHALL BE MADE FROM TOP OF ROOT BALL PLANTED AT PROPER ELEVATION.
5. GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACES OF TREES, PALMS OR OTHER PLANT MATERIAL. TREES, PALMS AND PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED WITH THE INSPECTOR ON SITE.
6. BURLAP MATERIAL, WIRE CAGES, PLASTIC/CANVAS STRAPS, ETC., MUST BE CUT AND REMOVED FOR THE TOP ONE-HALF (1/2) DEPTH OF THE ROOT BALL. TREES AND SHRUBS GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE SUCH MATERIAL REMOVED ENTIRELY PRIOR TO PLANTING THE TREE OR SHRUB.
7. ALL PLANT MATERIAL SHALL BE FREE OF PESTS, INSECTS, DISEASE, WEEDS, ETC.
8. ALL REQUIRED LANDSCAPE MATERIAL SHALL BE INSTALLED USING A PLANTING SOIL MIX COMPRISED OF A TYPE APPROPRIATE TO THE INDIVIDUAL PROPOSED PLANT MATERIAL AND THE NATIVE SOIL FOUND ON THE SITE.
9. ALL PLANT MATERIAL SHALL BE PLANTED AT THE PROPER DEPTH, AS ORIGINALLY GROWN AND/OR SO THE TOP OF THE ROOT BALL IS FLUSH OR SLIGHTLY ABOVE FINISHED GRADE IMMEDIATELY AFTER PLANTING. ALL TREES SHOULD PROVIDE TRUNK TAPER WHEN PROPERLY PLANTED AT THE CORRECT PLANTING DEPTH.
10. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING TO ELIMINATE AIR POCKETS IN THE ROOT ZONE AREA.
11. COLOR-TREATED OR DYED MULCH WILL NOT BE ACCEPTED.
12. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEARED OF ALL DEBRIS, SUPERFLUOUS MATERIALS, AND EQUIPMENT CAUSED BY THIS PERMIT TO THE SATISFACTION OF THE INSPECTOR.
13. REFER TO COCONUT CREEK FIRE EQUIPMENT CLEAR ZONE DIAGRAM TO MAINTAIN A SAFE ZONE FRONTING FIRE HYDRANTS.
14. DO NOT PLANT TREES, SHRUBS OR GROUNDCOVER WITHIN ELECTRIC METER CLEAR ZONE. PROVIDE A SAFE ZONE AS DESCRIBED BY THE ELECTRICAL INSPECTOR.
15. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN UNDERGROUND FULLY AUTOMATIC IRRIGATION SYSTEM USING POP-UP SPRINKLERS. SYSTEM SHALL PROVIDE 100% COVERAGE WITH A 50% OVERLAP (MINIMUM) USING RUST FREE WATER, EXCEPT PRESERVED AREAS REMAINING IN NATURAL STATE. A RAIN SENSOR DEVICE OR SWITCH SHALL BE INSTALLED THAT WILL OVERRIDE THE IRRIGATION SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED. WATER SHALL NOT BE DIRECTED AND/OR PROVIDED ONTO IMPERVIOUS SURFACES AND/OR BE DESIGNED OR INSTALLED TO THROW WATER OVER AN IMPERVIOUS SURFACE SUCH AS A SIDEWALK, ETC. HOURS OF OPERATION FOR ALL IRRIGATION SYSTEMS SHALL BE LIMITED TO 5:00 P.M. TO 8:00 A.M. ONLY OR AS MAY BE FURTHER RESTRICTED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT OR OTHER JURISDICTIONAL AGENCY.
16. IRRIGATION PERMITS AND PLANS SHALL BE SUBMITTED FOR APPROVAL AT TIME OF BUILDING PERMITS.
17. ALL NON-SINGLE FAMILY OR DUPLEX IRRIGATION SYSTEMS OTHER THAN CITY WATER SYSTEMS SHALL REQUIRE A SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER USE PERMIT PRIOR TO ISSUANCE OF AN IRRIGATION PERMIT AND INSTALLATION OF THE IRRIGATION SYSTEM AS REQUIRED.
18. ALL SITE AMENITIES TO INCLUDE SITE STREET LIGHTS, LANDSCAPE COMMON OPEN SPACE, IRRIGATION COMMON OPEN SPACE, BUFFERS, BERMS, LANDSCAPE ENTRY FEATURES, ETC. LEADING UP TO AND INCLUDING THE MODEL CENTER AND/OR FIRST CERTIFICATE OF OCCUPANCY MUST BE COMPLETED AND FUNCTIONAL PRIOR TO ISSUANCE OF THE FIRST REQUESTED CERTIFICATE OF OCCUPANCY.
19. THE HEIGHT OF ALL REQUIRED, DESIGNED AND INSTALLED BERMS SHALL BE FROM THE HIGHEST ADJACENT POINT WHETHER IT IS THE SIDEWALK, PARKING AREA, VEHICULAR USE AREA, SURROUNDING GROUND, ETC. WHERE A BERM ABUTS A SIDEWALK, THERE SHALL BE A ONE (1) FOOT LEVEL SOD AREA ADJACENT TO THE SIDEWALK PRIOR TO THE START OF INCLINE FOR THE BERM.
20. AN INSPECTION IS REQUIRED PRIOR TO THE BACKFILLING OF TREES/PALMS IN ALL PARKING MEDIANS AND ISLANDS.

## GENERAL NOTES

1. THE LOCATIONS OF PLANTS AS SHOWN ON THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY SETBACKS, OR AS OTHERWISE DIRECTED/APPROVED BY THE LANDSCAPE ARCHITECT. FLAG PROPOSED TREE AND PLANT BED LOCATIONS TO THE EXTENT REQUESTED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING FOR APPROVAL.
2. VERIFY ABOVE AND BELOW GROUND UTILITIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA. IF UTILITY CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AND LANDSCAPE ARCHITECT IMMEDIATELY. IN THE CASE OF UTILITY CONFLICTS, THE LANDSCAPE WILL BE ADJUSTED. DO NOT ADJUST THE UTILITY. NOTIFY UTILITY OWNERS AND SUNSHINE STATE ONE CALL OF FLORIDA, INC (811) TWO FULL WORKING DAYS IN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. THE TEMPORARY IRRIGATION SYSTEM MAY NOT BE COMPLETELY OPERATIONAL, OR MAY NOT PROVIDE ADEQUATE WATER TO ESTABLISH NEW PLANTINGS AT THE TIME OF INSTALLATION. THEREFORE HAND WATERING WILL BE REQUIRED, UNTIL THE TEMPORARY IRRIGATION IS FULLY OPERATIONAL. CONTRACTOR SHALL DESIGN/FURNISH AND PROVIDE MAINTENANCE OF THE TEMPORARY IRRIGATION SYSTEM. THE TEMPORARY IRRIGATION SYSTEM SHALL REMAIN IN PLACE, MAINTAINED AND OPERATIONAL DURING THE ESTABLISHMENT AND MAINTENANCE PERIOD OF ONE (1) YEAR.
4. CONTRACTOR SHALL DETERMINE WATERING SCHEDULE AND RATE TO ENSURE THE HEALTHY ESTABLISHMENT OF PLANTS. PLANTS THAT DIE OR EXCESSIVELY SHOCK DUE TO LACK OF WATER MUST BE REPLACED, AT NO COST TO THE OWNER. IF A WATER TRUCK IS UTILIZED DURING THE ESTABLISHMENT PERIOD, THE PRESSURE FROM THE WATERING TRUCK SHALL BE ADJUSTED SO THAT WATER PRESSURE IS NOT APPLIED IN A MANNER WHICH WOULD DAMAGE PLANTS, SOIL SAUCER RING OR MULCH AROUND EACH PLANT. REPAIR OR REPLACE PLANTS OR OTHER SURROUNDING ITEMS WHICH ARE DAMAGED EITHER BY WATER PRESSURE OR THE WATER TRUCK.
5. ALL PLANTS WILL RECEIVE A PREMIXED, DRY GRANULAR FUNGI INOCULATE COMPOUND CONSISTING OF ENDO AND ECTOMYCORRHIZAL FUNGI, BENEFICIAL BACTERIA TRICHODERMA, ORGANIC MICROBIAL NUTRIENTS AND A HORTICULTURAL GRADE GEL THAT IS MIXED IN THE BACKFILL AT PLANTING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION METHODS AND RATES. PROVIDE SATISFACTORY EVIDENCE TO THE LANDSCAPE ARCHITECT THAT THESE SOIL AMENDMENTS HAVE BEEN PURCHASED AND UTILIZED PRIOR TO PROCEEDING WITH PLANT INSTALLATION.
6. ENSURE THAT PAVEMENT, STONES, ROAD BASE OR OTHER UNSUITABLE MATERIAL OVER  $\frac{1}{2}$ " IS REMOVED FROM PLANTING AREAS. THIS PROJECT CONTAINS BOTH PROPOSED AND EXISTING PLANTING CONDITIONS. ALL AREAS TO RECEIVE NEW OR RELOCATED PLANT MATERIAL AS SHOWN ON THE LANDSCAPE PLAN SHALL BE EXCAVATED OF UNSUITABLE PLANTING MATERIAL, MINIMUM DEPTH OF 30" OR TO NATIVE SOIL, WHICHEVER IS GREATER. IMPORT AND FILL PLANTING AREAS WITH PLANTING SOIL AS SPECIFIED ON PLANS.

## LANDSCAPE SPECIFICATIONS

1. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
2. ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE OF THE SIZES AS SPECIFIED IN THE PLANT LIST.
3. QUANTITIES LISTED ON THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES. MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS.
4. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.
5. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.
6. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT. ALL DAMAGE TO EXISTING UTILITIES OR IMPROVEMENTS CAUSED BY CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC.:" AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.
9. AFTER FINAL GRADE, AREA TO BE RAKED TO 6" DEPTH AND ALL ROCK AND FOREIGN INORGANIC MATERIALS REMOVED AND DISPOSED OF PROPERLY OFF-SITE.
10. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT OR DAMAGE UTILITIES OR IMPROVEMENTS.
11. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED. ALL PLANTS TO BE PLANTED AT THE NURSERY GRADE OR SLIGHTLY HIGHER.
12. CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT PERIOD.
13. SOD: ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ABUTTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ABUTTING CANAL, LAKE OR WATERWAY. SOD WITHIN BALLFIELDS SHALL BE CYNODON DACTYLON "CELEBRATION" (CELEBRATION BERMUDA GRASS). ALL OTHER SOD AREAS SHALL BE PASPALUM NOTATUM (BAHIA GRASS).
14. PLANTING SOIL: ALL TREES AND SHRUBS SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND

15. BENEATH THE ROOTBALL, MINIMUM TOPSOIL SHALL BE 4" FOR SODDED GRASS AREAS.
15. PLANTING SOIL TO BE A WEED-FREE MIXTURE OF 50% SAND, 40% MUCK, AND 10% CANADIAN PEAT.
16. MULCH: A CONSISTENT 3" LAYER OF STERILIZED MALELEUCA, EUCALYPTUS OR FLORIMULCH GRADE "B" OR BETTER. MULCH SHALL BE SPREAD OVER ALL PLANTING BEDS. CYPRESS OR TREATED RED MULCH SHALL NOT BE ACCEPTED. CONTRACTOR TO SUBMIT SAMPLE OF MULCH TO LANDSCAPE ARCHITECT FOR FINAL ACCEPTANCE.
17. ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF MULCH.
18. FERTILIZATION: 12-4-12 FERTILIZER SHALL BE APPLIED TO ALL TREES, SHRUBS AND GROUNDCOVERS. THE APPLICATION RATE SHALL BE ONE POUND OF NITROGEN PER 1,000 S.F. AND THE FERTILIZER SHALL BE BROADCAST PER MANUFACTURER'S RECOMMENDATIONS. 12-4-12 COMPLETE FERTILIZER, WITH MICOR-NUTRIENTS AND LOW PHOSPHORUS SHALL BE APPLIED TO PALMS OVER 8' IN HEIGHT AT A RATE OF 6 POUNDS PER TREE. PALMS UNDER 8' IN HEIGHT SHALL RECEIVE THE SAME FERTILIZER AT 2-5 POUNDS PER TREE.
19. SUBSTITUTIONS AND CHANGES: ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND GOVERNING MUNICIPALITY.
20. WATERING: ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND AS NEEDED THEREAFTER FOR A PERIOD OF 3 MONTHS.
21. WARRANTY: ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 45 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
22. THE SUCCESSFUL BIDDER SHALL FURNISH TO THE OWNER A UNIT PRICE BREAKDOWN FOR ALL MATERIALS. THE OWNER MAY, AT HIS DISCRETION, ADD OR DELETE FROM THE MATERIALS UTILIZING THE UNIT PRICE BREAKDOWN SUBMITTED.
23. NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.
24. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN

## LANDSCAPE CODE REQUIREMENTS

CODE APPLICATION	#	REQUIRED	PROVIDED	EXISTING	RELOCATED	PROPOSED	TREE VALADATION/LOCATION
<b>SEC. 13-443 (4) OPEN PLOT AREA</b>							
1 TREE PER 1000 SF	30,675	31	31	9	10	12	EX. TREES (1) FICUS, (4) OAK, (3) ROYAL PALMS, (1) * SABAL CLUSTERS RELOCATED TREES: (1) ROYAL PALM, (4) SABAL PALM CLUSTERS, (2) SPINDLE PALM CLUSTERS, (3) GEIGER HOLLY, (2) GEIGER TREES
5 SHRUBS PER 1000 SF		154	154				
<b>SEC. 13-443 (6) COMMERCIAL ABUTTING RESIDENTIAL</b>							
3 TREES PER 100 LF	563	17	17	3	0	14	EX. TREES (1) CABBAGE PALM CLUSTER, (2) OAK ROYAL PALMS, (6) ORANGE GEIGER
CONTINUOUS HEDGE		CONTINUOUS HEDGE	CONTINUOUS HEDGE	X	X	CONTINUOUS HEDGE	
<b>SEC. 13-443 (7)(E) LANDSCAPE BETWEEN BUILDINGS AND VUA</b>							
1 TREE PER 40 LF OF GREEN SPACE	40	1	1			1	PROPOSED TREES: (1) ROYAL PALM
20 SHRUBS PER 40 LF OF GREEN SPACE		20	20	X	X		
30 GROUNDCOVERS PLANTS PER 40 LF OF GREEN SPACE		30	30	X	X		
<b>SEC. 13-443 (12) INTERIOR LANDSCAPE FOR VUA</b>							
1 TREE PER 10 PARKING SPACES	31	4	4	3		1	EX. TREES: (3)TAMARIND - PROPOSED TREES (1) TAMARIND
1 SF LANDSCAPE AREA PER 100 SF VUA	21,460	215	215	X	X		
<b>SEC. 13-443 (13) STREET TREES</b>							
COCONUT CREEK PARKWAY 1 TREE PER 40 LF OF STREET FRONTAGE	118	3	3	0	0	3	(3)SILVER BUTTONWOOD. SPECIES SELECTED DUE TO PROXIMITY OF OVERHEAD UTILITY LINES
NW 45TH AVENUE 1 TREE PER 40 LF OF STREET FRONTAGE	563	15	15	10	2	3	EX. TREES: (7)SPINDLE PALMS, (2) BLACK OLIVE, (1 ) ROYAL PALM RELOCATED TREES: (2)OAK PROPOSED TREES (3) PITCH APPLE
<b>SEC. 13-443 (15) A) ROADWAY LANDSCAPE BUFFER WIDTH</b>							
COCONUT CREEK PARKWAY	70'	20'	20'				
NW 45TH AVENUE	115'	20'	VARIES**: 14.5' - 20'				
<b>SEC. 13-443 (15)(C)(2) &amp; (5) ROADWAY LANDSCAPE BUFFER</b>							
COCONUT CREEK PARKWAY 1 TREE PER 2000 SF OF BUFFER	1,991	1	1	1			EX. TREES: (1) TAMARIND
40 SHRUBS PER 2000 SF OF BUFFER		40		X	X		
NW 45TH AVENUE 1 TREE PER 2000 SF OF BUFFER	11,119	6	6	1	5		EX. TREES: (1) OAK RELOCATED TREES: (1) OAK, (4) TAMARIND
40 SHRUBS PER 2000 SF OF BUFFER		223	223	X	X		
<b>TOTAL TREES</b>		<b>78</b>	<b>78</b>	<b>27</b>	<b>17</b>	<b>34</b>	
<b>TOTAL SHRUBS</b>		<b>682</b>	<b>642</b>	<b>X</b>	<b>X</b>	<b>0</b>	

\* SABAL PALM CLUSTER = 3 INDIVIDUAL SABAL PALM TREES  
 \*\* APPLICANT HAS APPLIED FOR A VARIANCE WITH REGARDS TO THE REQUIRED BUFFER WIDTH ALONG NW 45TH AVENUE.  
 \*\*\* THE CITY WILL REMOVE OR RELOCATE EXISTING STREET TREES NO.S 1883-1886,1887, 1889 TO ACCOMMODATE THE RELOCATION OF 4 LARGE TAMARIND TREES AND 2 LARGE OAK TREES. THE RELOCATED TREES

- CRACKED, BROKEN OR OTHERWISE DAMAGED.
25. ROOT-PRUNE ALL TREES A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.
26. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.
27. NO CANOPY TREES SHALL BE PLANTED WITHIN 15 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 6 FEET OF A LIGHT POLE.
28. GROUND COVER PLANTINGS SHALL PROVIDE NOT LESS THAN 50 PERCENT COVERAGE IMMEDIATELY UPON PLANTING AND 100 PERCENT COVERAGE WITHIN 6 MONTHS AFTER PLANTING.
29. TREE PROTECTION BARRICADES SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AROUND EXISTING TREES THAT MAY BE IMPACTED BY THE PROPOSED CONSTRUCTION. PRIOR TO ANY CONSTRUCTION A TREE PROTECTION BARRICADE INSPECTION SHALL BE CONDUCTED BY THE LANDSCAPE ARCHITECT, OWNER OR GOVERNING MUNICIPALITY. REFER TO LANDSCAPE DETAIL FOR TREE PRESERVATION BARRICADE FENCING THE PRIMARY CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE TREE PRESERVATION BARRICADES. IN ADDITION THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY FORESTER PRIOR TO ANY ON-SITE WORK INCLUDING TREE RELOCATIONS/REMOVALS.
30. IN ALL PEDESTRIAN AREAS, ALL TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE AT AN 8 FOOT CLEAR TRUNK.
31. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.
32. LARGE TREES INSTALLED WITHIN 8' OF HARDSCAPE AREAS OR UTILITIES SHALL REQUIRE A ROOT BARRIER TO PROTECT ADJACENT PAVED AREAS. CONTRACTOR TO SUBMIT PRODUCT CUT SHEETS FOR APPROVAL.

**ERIC HARRISON, RLA**

FL REGISTRATION NO. 6667129  
STATE OF FLORIDA

7-18-14  
DATE:

NO. REVISION DATE  
Construction Issue  
Set 11-3-14

CONSULTANT:



CERTIFICATES OF AUTHORIZATION  
EB0004593 LC26000425

**PROPOSED NEW FIRE STATION 50**  
**NW 45 AVE.**  
**NW 45 AVE. & COCONUT CREEK PARKWAY**  
 COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-5825 FAX: (954) 337-0359  
 AA 12606065 WWW.CPZARCHITECTS.COM



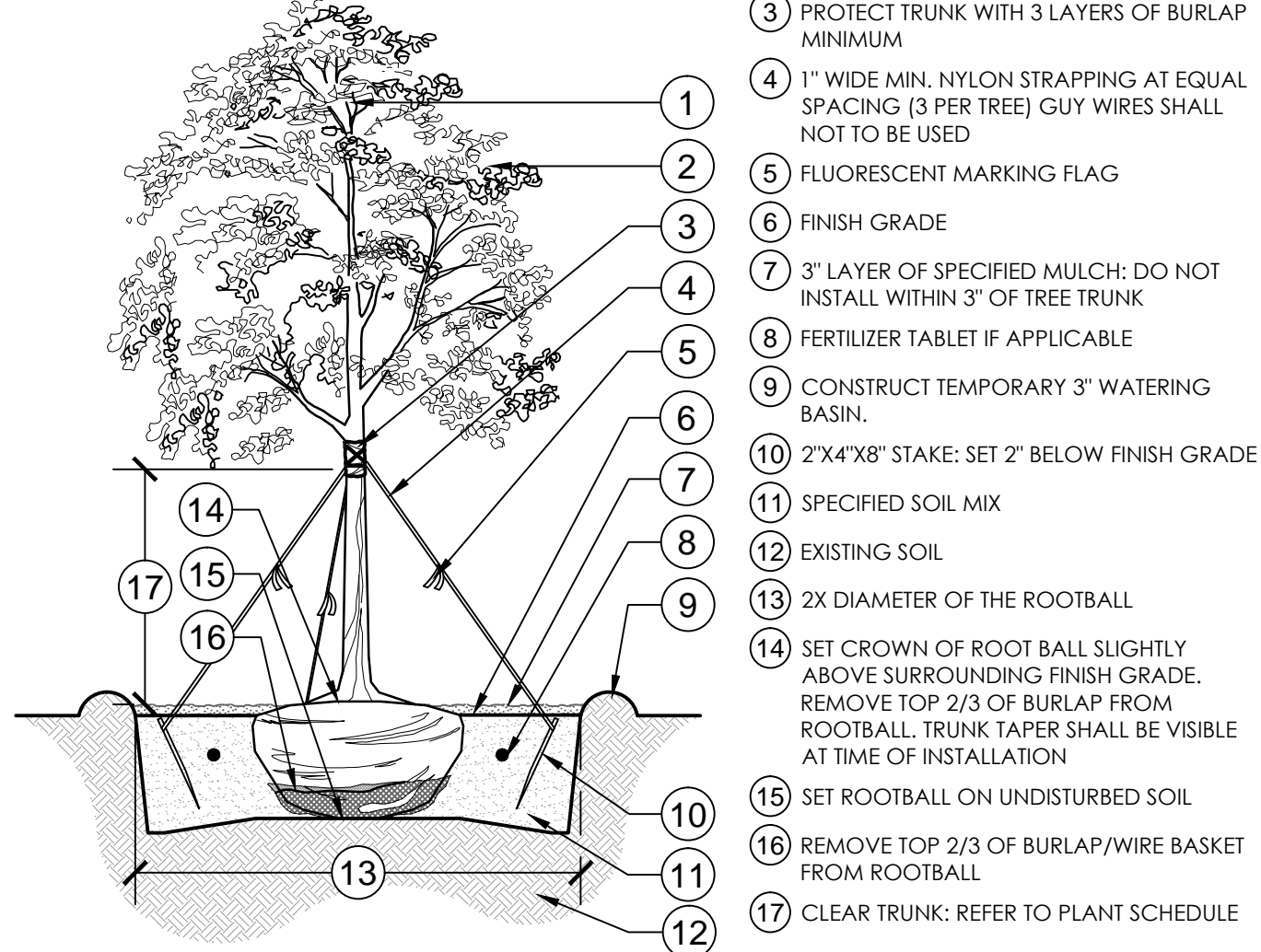
DRAWING TITLE:  
LANDSCAPE  
DETAILS - BASE BID

DRAWN	EDH
CHECKED	MSB
DATE	5-22-14
SCALE	AS NOTED
PROJECT NO.	1220B
SHEET:	

**L2.02**

- CALIPER MEASUREMENTS NOTES:
- CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER OR LESS.
  - CALIPER MEASUREMENT IS 12" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER GREATER.

REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



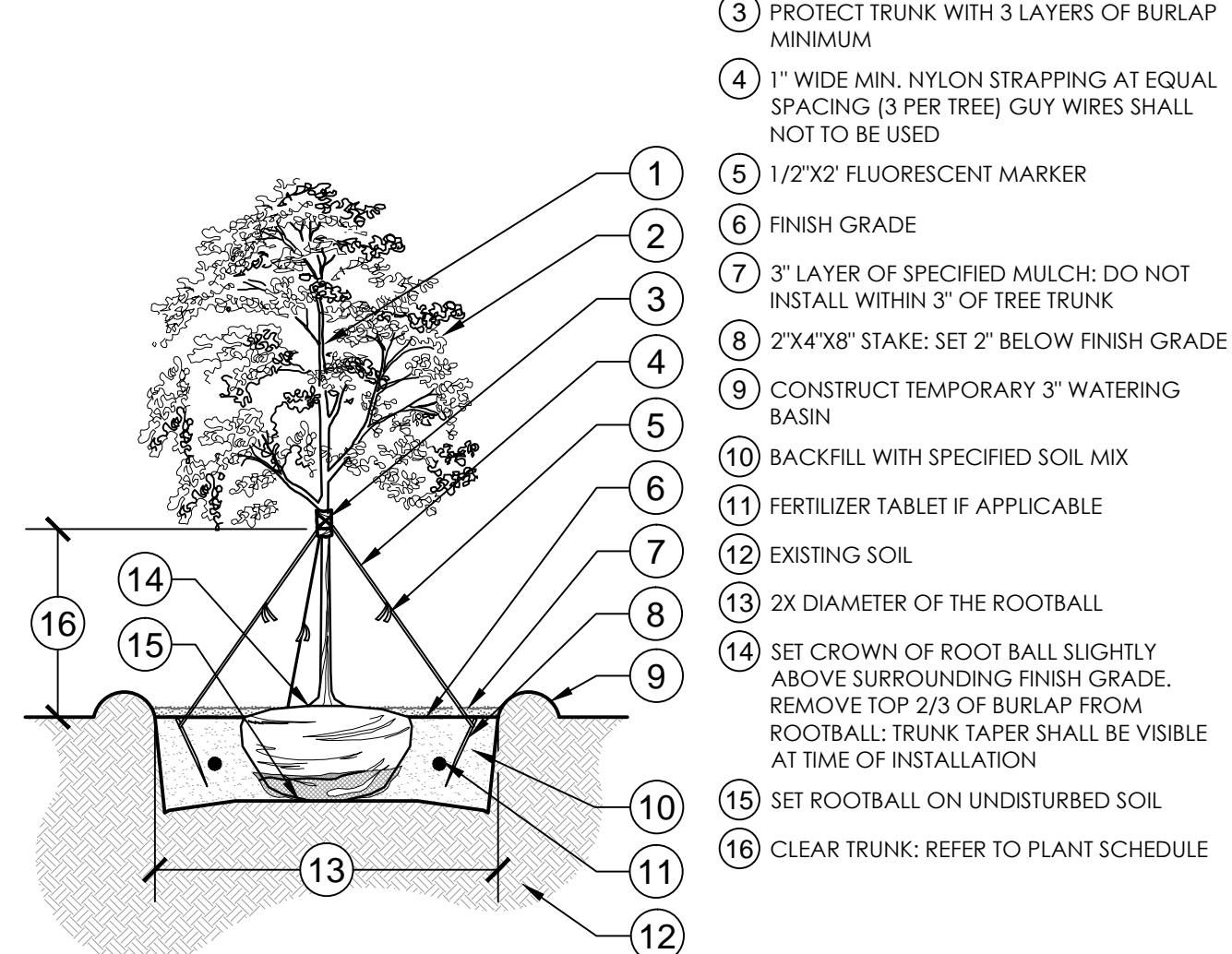
**1 LARGE TREE PLANTING: 2" CALIPER AND GREATER**

1/4" = 1'-0"

329343-17

- CALIPER MEASUREMENTS NOTES:
- CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER OR LESS.
  - CALIPER MEASUREMENT IS 12" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER GREATER.

REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



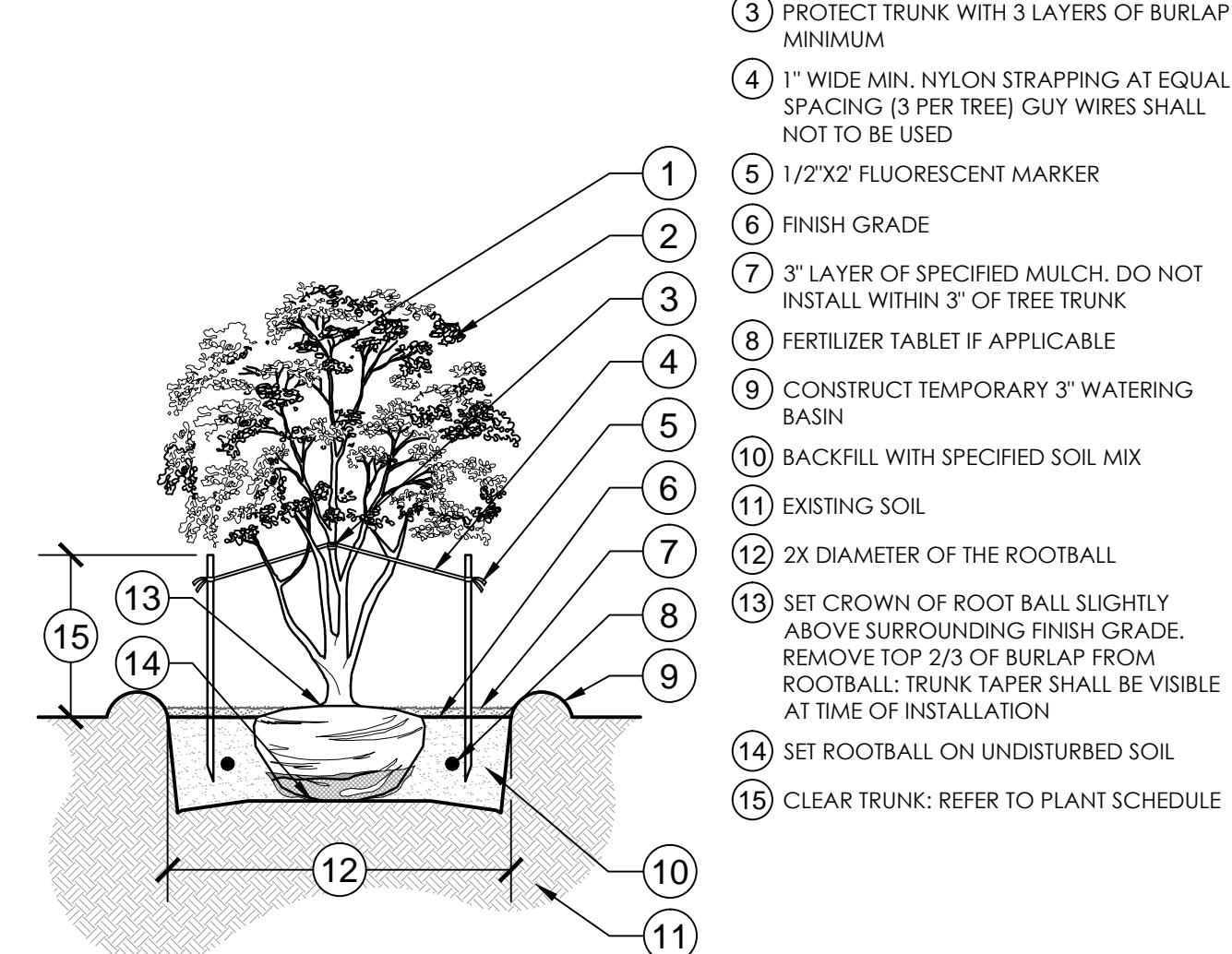
**2 SMALL TREE PLANTING: LESS THAN 2" CALIPER**

1/4" = 1'-0"

329343-18

- CALIPER MEASUREMENTS NOTES:
- CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER OR LESS.
  - CALIPER MEASUREMENT IS 12" FROM TOP OF ROOT BALL FOR TREES WITH 6" CALIPER GREATER.

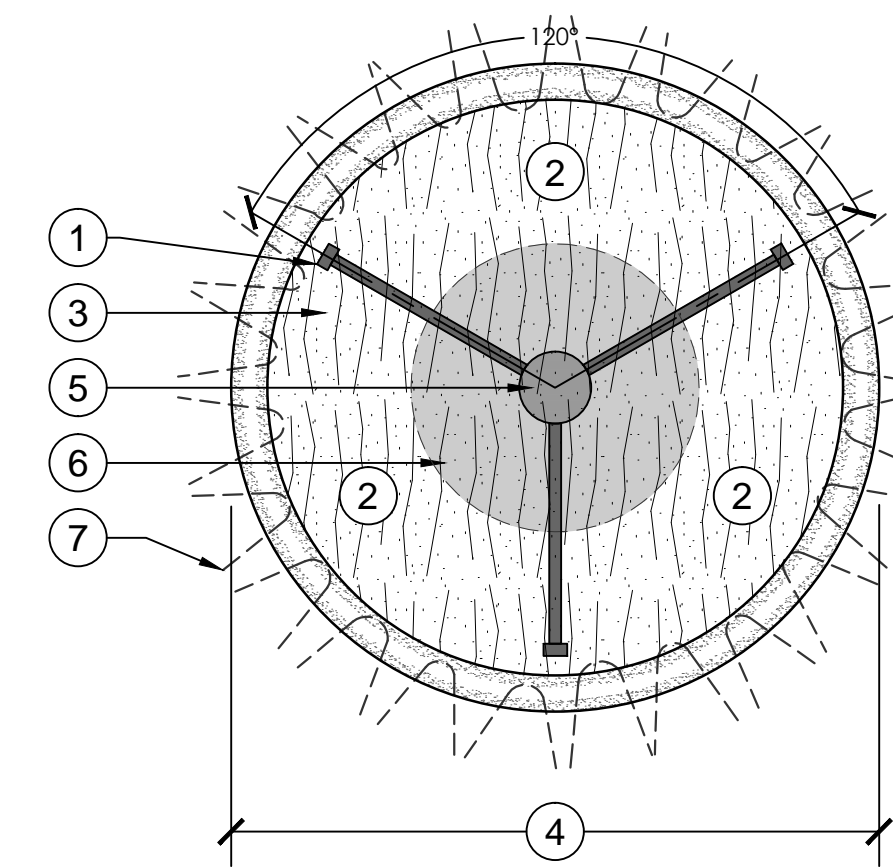
REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



**3 MULTI-TRUNK TREE PLANTING**

1/4" = 1'-0"

329343-19

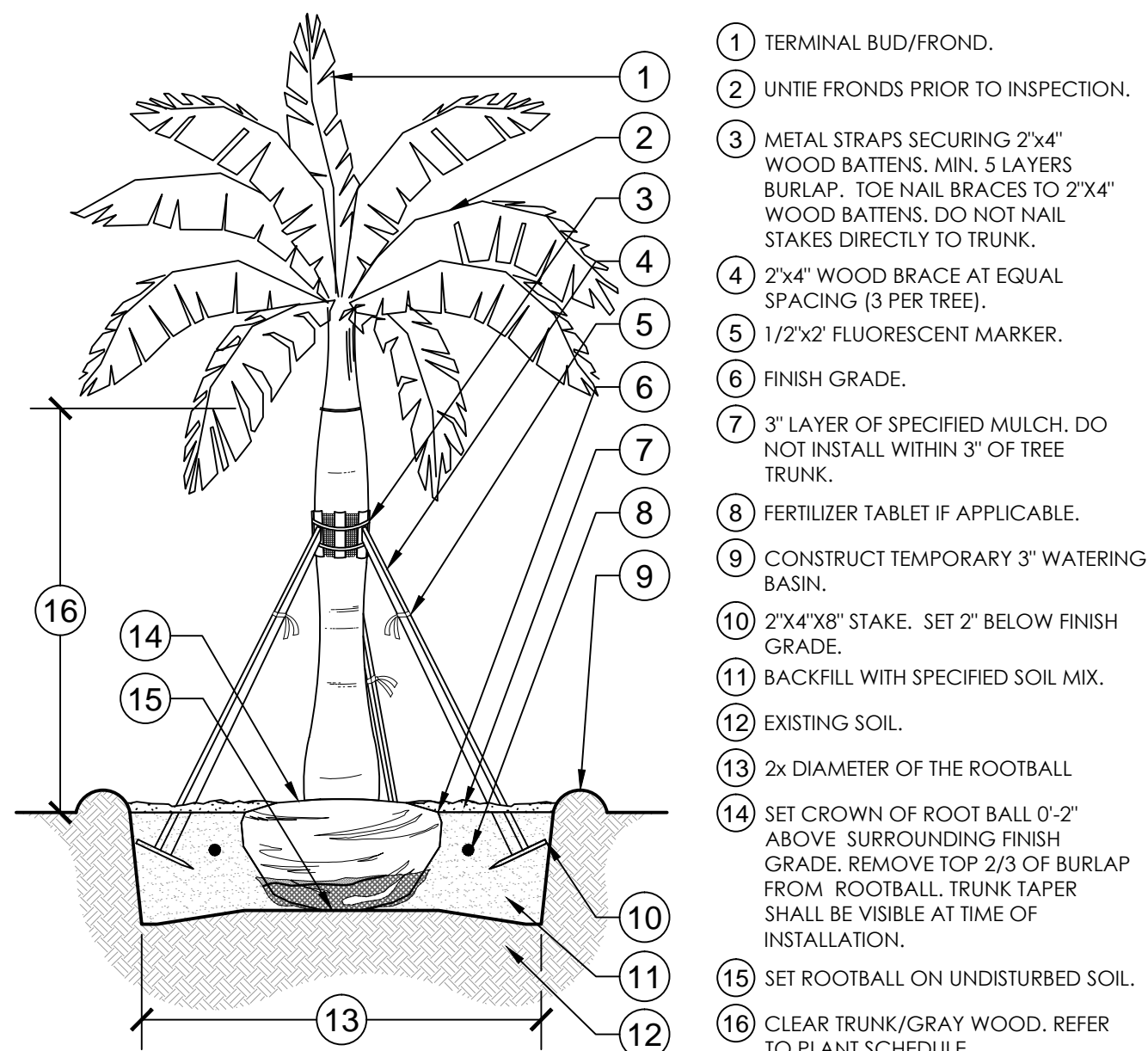


- 1 2"x4" WOOD BRACE AT EQUAL SPACING (3 PER TREE)
- 2 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3" OF TREE TRUNK
- 3 CONSTRUCT TEMPORARY 3" WATERING BASIN
- 4 2x DIAMETER OF THE ROOTBALL
- 5 TREE TRUNK
- 6 ROOTBALL
- 7 TREE CANOPY

**4 LARGE TREE STAKING DETAIL**

3/8" = 1'-0"

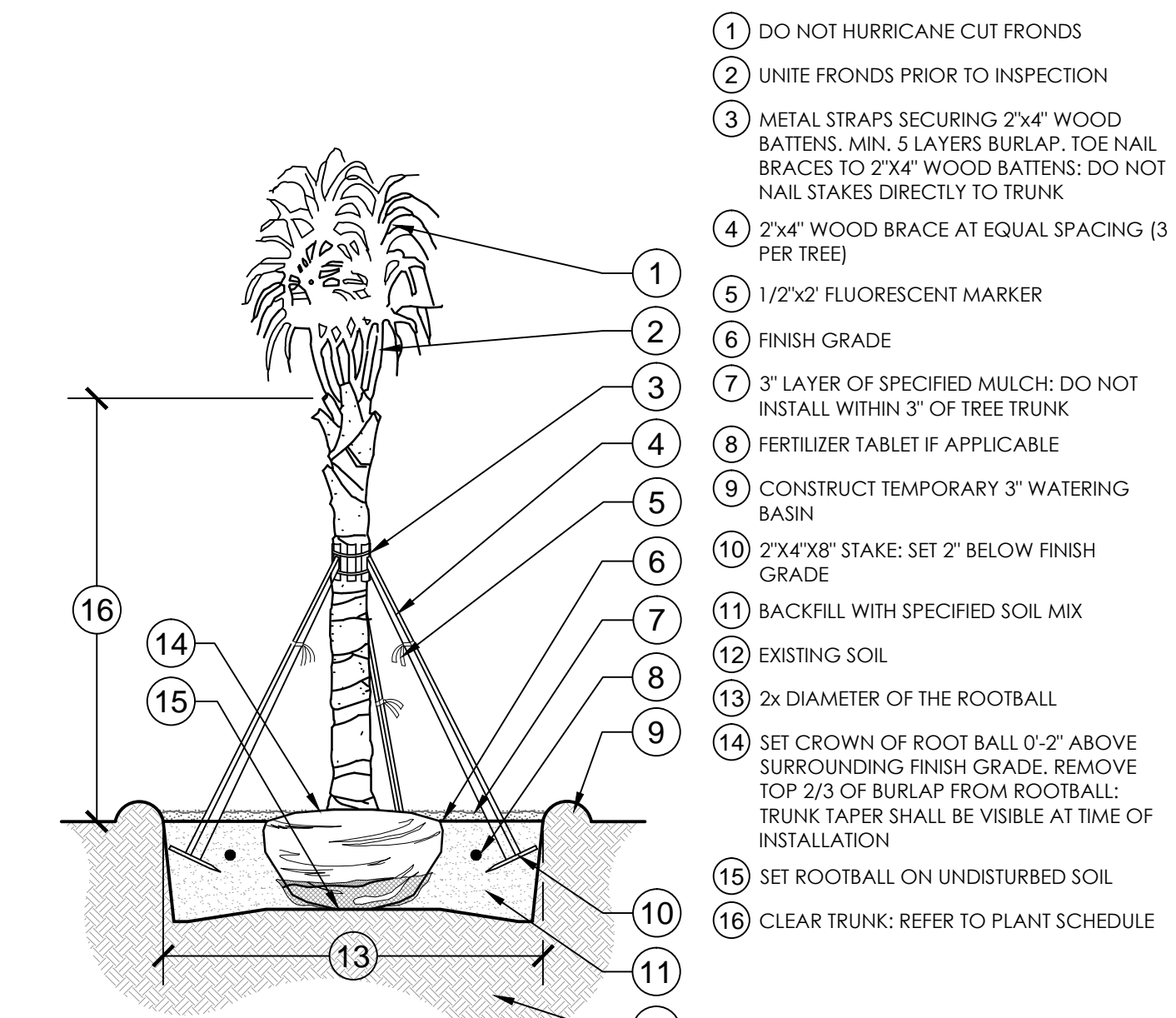
329343-22



**5 LARGE PALM PLANTING DETAIL**

1/4" = 1'-0"

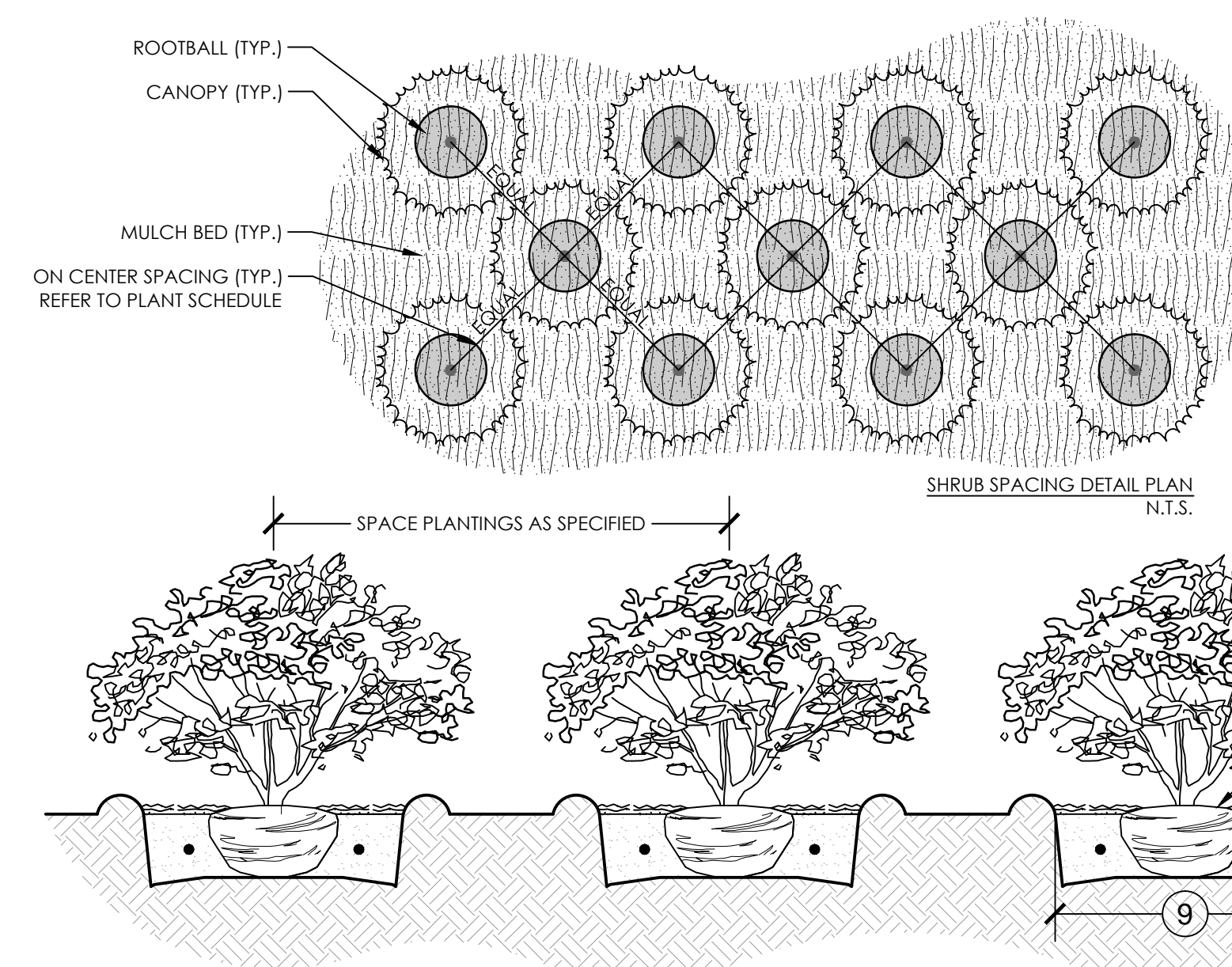
329343-25



**6 SABAL PALM PLANTING**

1/4" = 1'-0"

329343-21



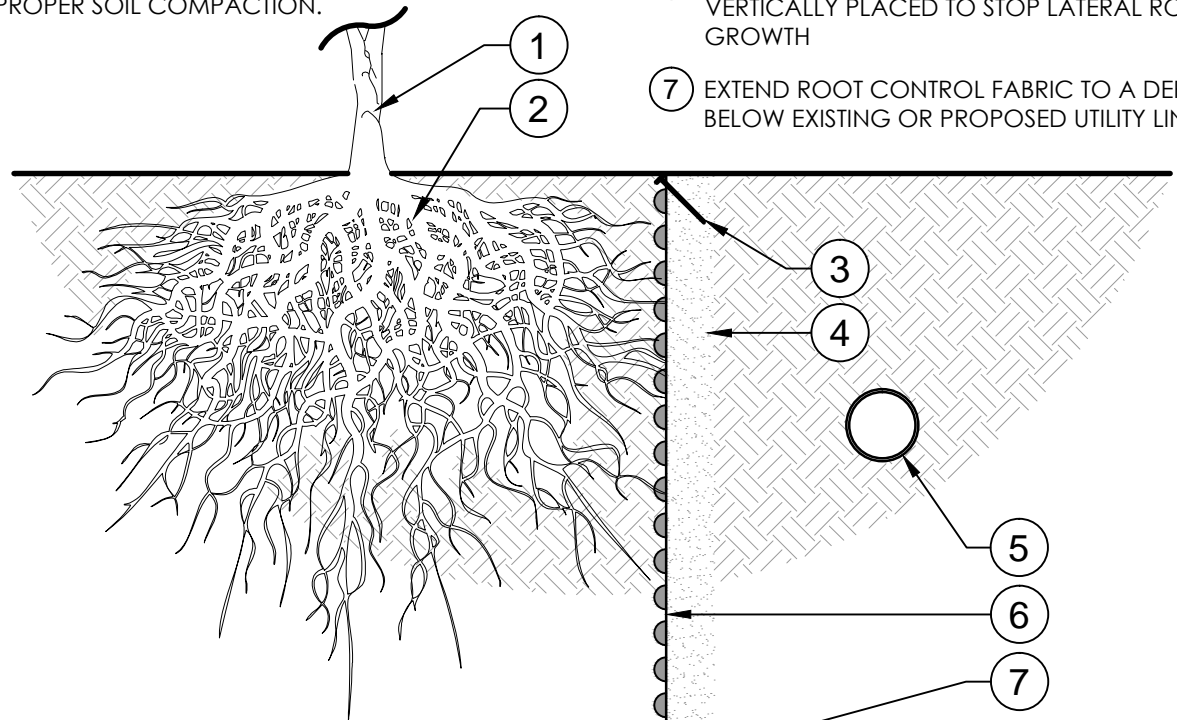
**7 SHRUB/GROUND COVER PLANTING & SPACING**

1" = 1'-0"

329333-08

- INSTALLATION NOTES
- CONTACT UTILITY COMPANY AND ENSURE UTILITY LINES ARE PROPERLY LOCATED PRIOR TO DIGGING OR TRENCHING.
  - FOR EXISTING TREES, CONSULT A PROFESSIONAL ARBORIST IF ROOT TRIMMING IS REQUIRED.
  - INSTALL & COVER BIOBARRIER WITHIN 12 HOURS AFTER OPENING. HIGH TEMPERATURES AND DIRECT SUNLIGHT CAN REDUCE EFFECTIVE PRODUCT LIFE.
  - INSTALL TYPAR BIOBARRIER ROOT CONTROL FABRIC WITH NODULES FACING TOWARD ROOT SOURCE.
  - BACKFILL AND TAMP FIRMLY TO ELIMINATE SOIL SETTLING. WET SOIL, IF NECESSARY, TO ENSURE PROPER SOIL COMPACTION.

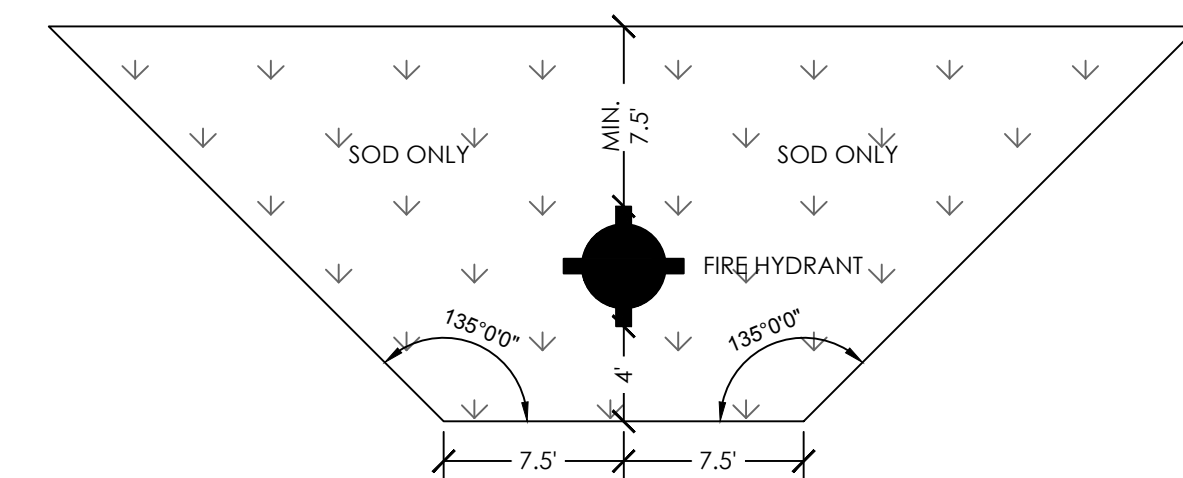
- PROPOSED OR EXISTING TREE
- FUTURE OR EXISTING ROOT STRUCTURE
- SECURE FABRIC EVERY 2'-0" WITHIN 1/4" OF TOP EDGE
- EXCAVATE TRENCHES A MINIMUM OF 4" WIDE. TRENCHES MUST BE A MINIMUM LENGTH OF MATURE PLANT CANOPY PLUS 10 FEET, CENTERED ON THE ROOT SOURCE AND ADJACENT TO PROTECTION AREA
- PROPOSED OR EXISTING UTILITIES
- TYPAR BIOBARRIER ROOT CONTROL FABRIC VERTICALLY PLACED TO STOP LATERAL ROOT GROWTH
- EXTEND ROOT CONTROL FABRIC TO A DEPTH BELOW EXISTING OR PROPOSED UTILITY LINES



**8 TREE ROOT BARRIER - ADJACENT UTILITIES**

3/4" = 1'-0"

329413.23-01



**9 COCONUT CREEK FIRE HYDRANT CLEAR ZONE DETAIL**

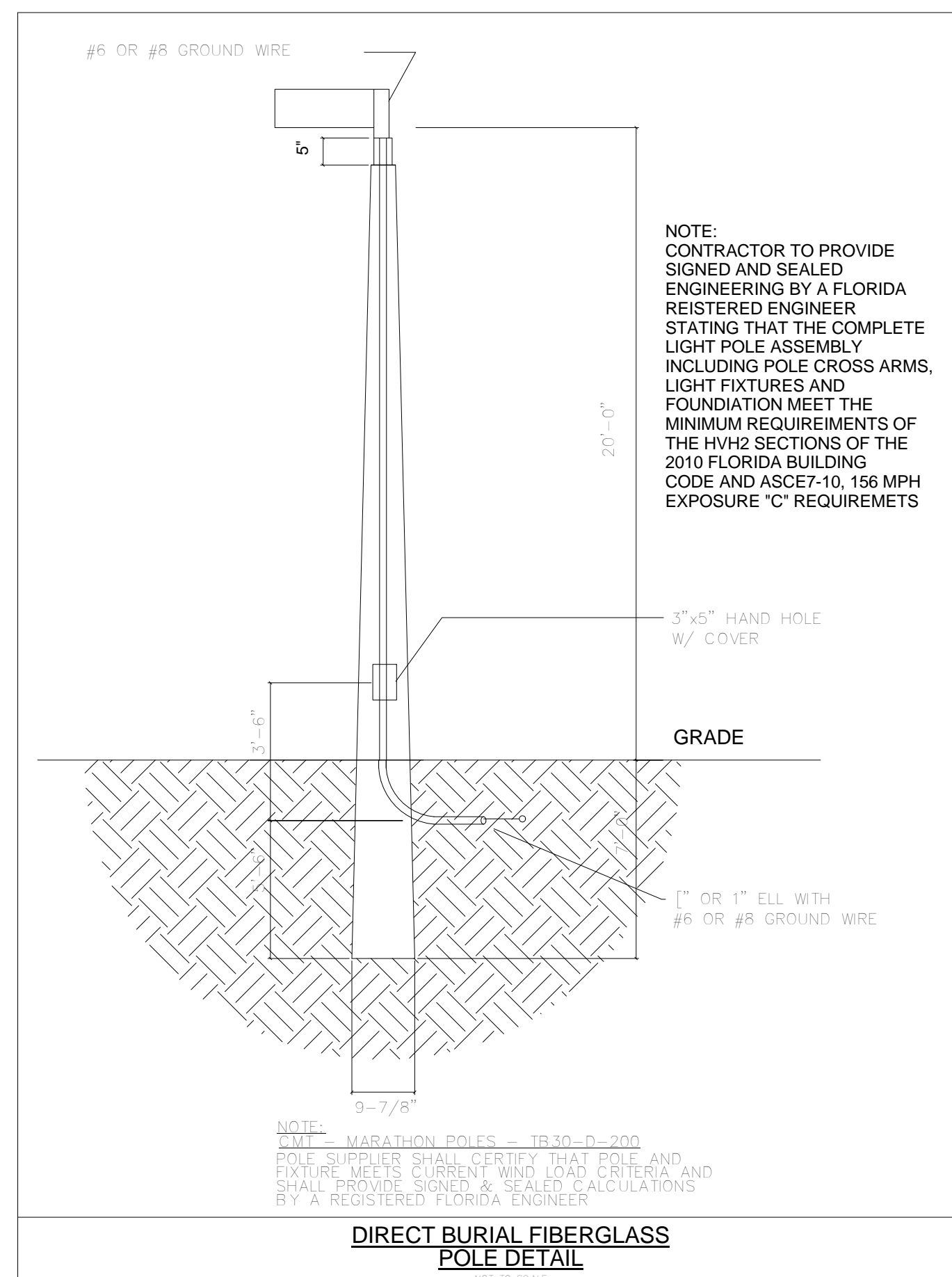
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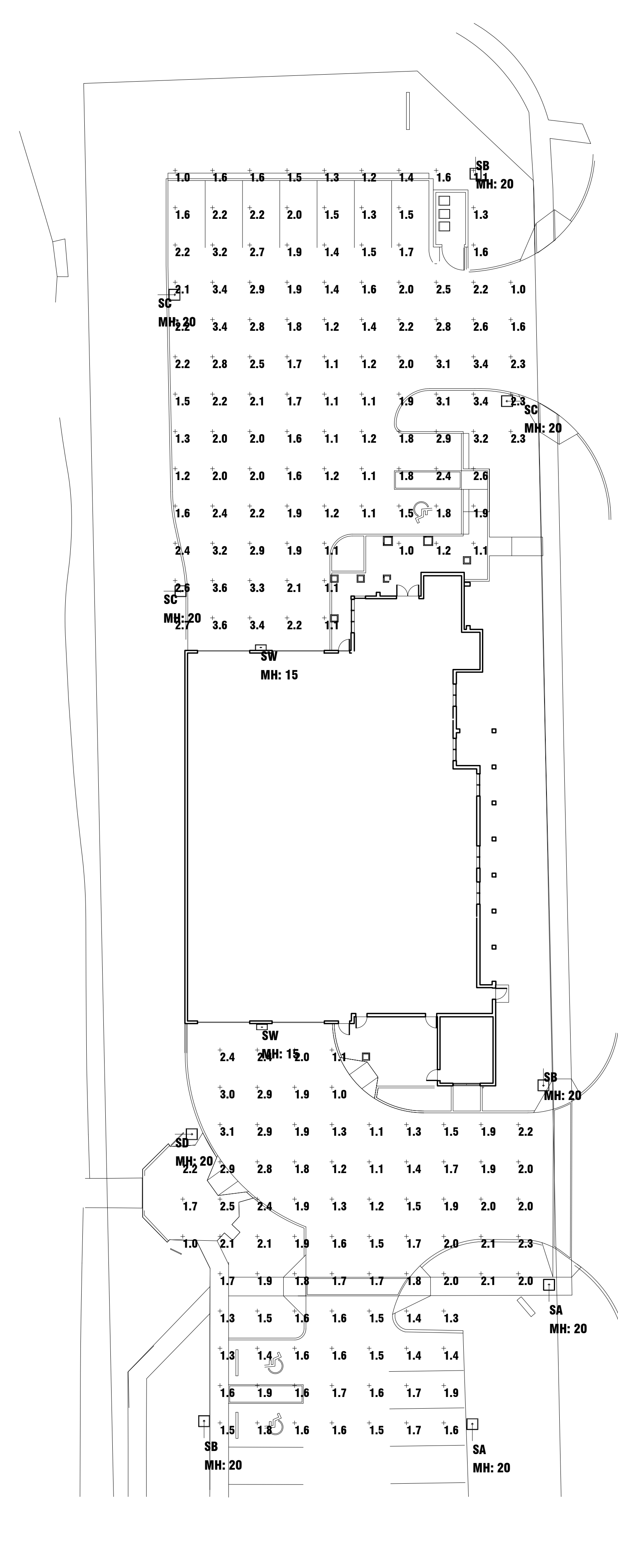
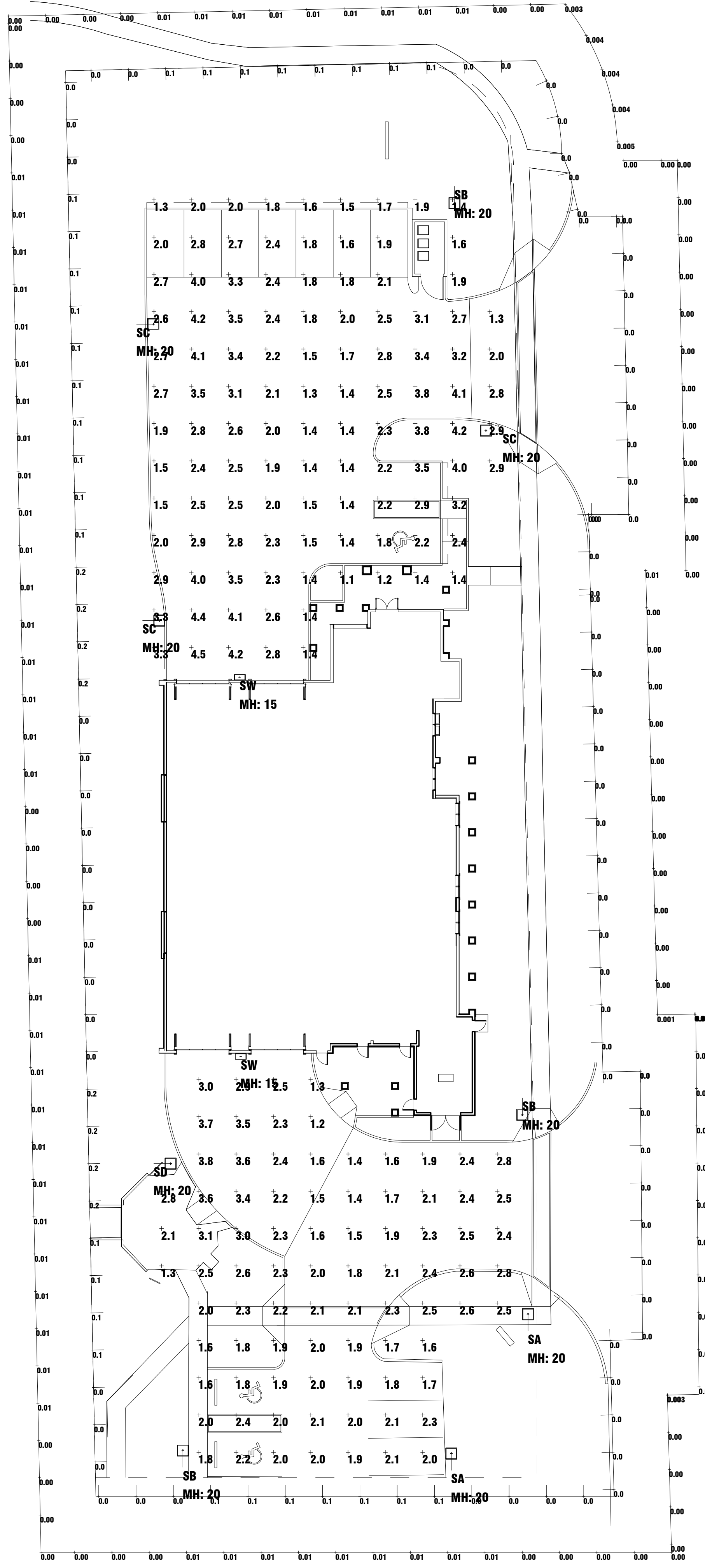
Symbol	Qty	Label	Description	Len. Lumens	LF	Len. Watts	Total Watts	LED% (Len)-OL	LED% (Len)-HW
[Symbol]	7	SA	PHILIPS BARCO P21-LCL-100LA-CW POLE MOUNT: 20'-0" AFS	3444	1,000	150	390	0.0	0.0
[Symbol]	3	SB	PHILIPS BARCO P21-LSL-100LA-CW POLE MOUNT: 20'-0" AFS	3444	1,000	150	390	0.0	0.0
[Symbol]	1	SC	PHILIPS BARCO P22-RLC-210LA-WW-ENG POLE MOUNT: 20'-0" AFS	9943	1,000	210	630	0.3	0.0
[Symbol]	1	SD	PHILIPS BARCO P22-RLC-170LA-WW-ENG POLE MOUNT: 20'-0" AFS	8700	1,000	170	510	0.3	0.0
[Symbol]	7	SW	PHILIPS BARCO 121-4-10LA-WW WALL MOUNT: 15'-0" AFS	1248	1,000	18	56	0.0	0.0

Label	Qty	Area	Max	Min	Avg	Max/Min
NORTH PARKING	2.43	4.8	1.1	2.21	4.09	
SOUTH PARKING	2.21	3.8	1.2	1.84	3.17	
LEED	N.A.	0.200	N.A.	N.A.	N.A.	
LEED +15	N.A.	0.010	N.A.	N.A.	N.A.	

Label	Area	Total Watts	LF
LFPSites	198127	1498	0.014



**2 LEED PHOTOMETRIC PLAN**  
SCALE: 1" = 20'-0"



**1 PHOTOMETRIC PLAN**  
SCALE: 1" = 20'-0"

Symbol	Qty	Label	Description	Len. Lumens	LF	Len. Watts	Total Watts	LED% (Len)-OL	LED% (Len)-HW
[Symbol]	7	SA	PHILIPS BARCO P21-LCL-100LA-CW POLE MOUNT: 20'-0" AFS	3444	0.800	0.800	0.810	130	360
[Symbol]	3	SB	PHILIPS BARCO P21-LSL-100LA-CW POLE MOUNT: 20'-0" AFS	3444	0.800	0.800	0.810	130	360
[Symbol]	1	SC	PHILIPS BARCO P22-RLC-210LA-WW-ENG POLE MOUNT: 20'-0" AFS	9943	0.800	0.800	0.810	210	630
[Symbol]	1	SD	PHILIPS BARCO P22-RLC-170LA-WW-ENG POLE MOUNT: 20'-0" AFS	8700	0.800	0.800	0.810	170	510
[Symbol]	7	SW	PHILIPS BARCO 121-4-10LA-WW WALL MOUNT: 15'-0" AFS	1248	0.800	0.800	0.810	18	56

Label	Qty	Area	Max	Min	Avg	Max/Min
NORTH PARKING	1.87	3.8	1.0	1.87	3.00	
SOUTH PARKING	1.78	3.1	1.0	1.78	3.10	

Label	Area	Total Watts	LF
LFPSites	198127	1498	0.014

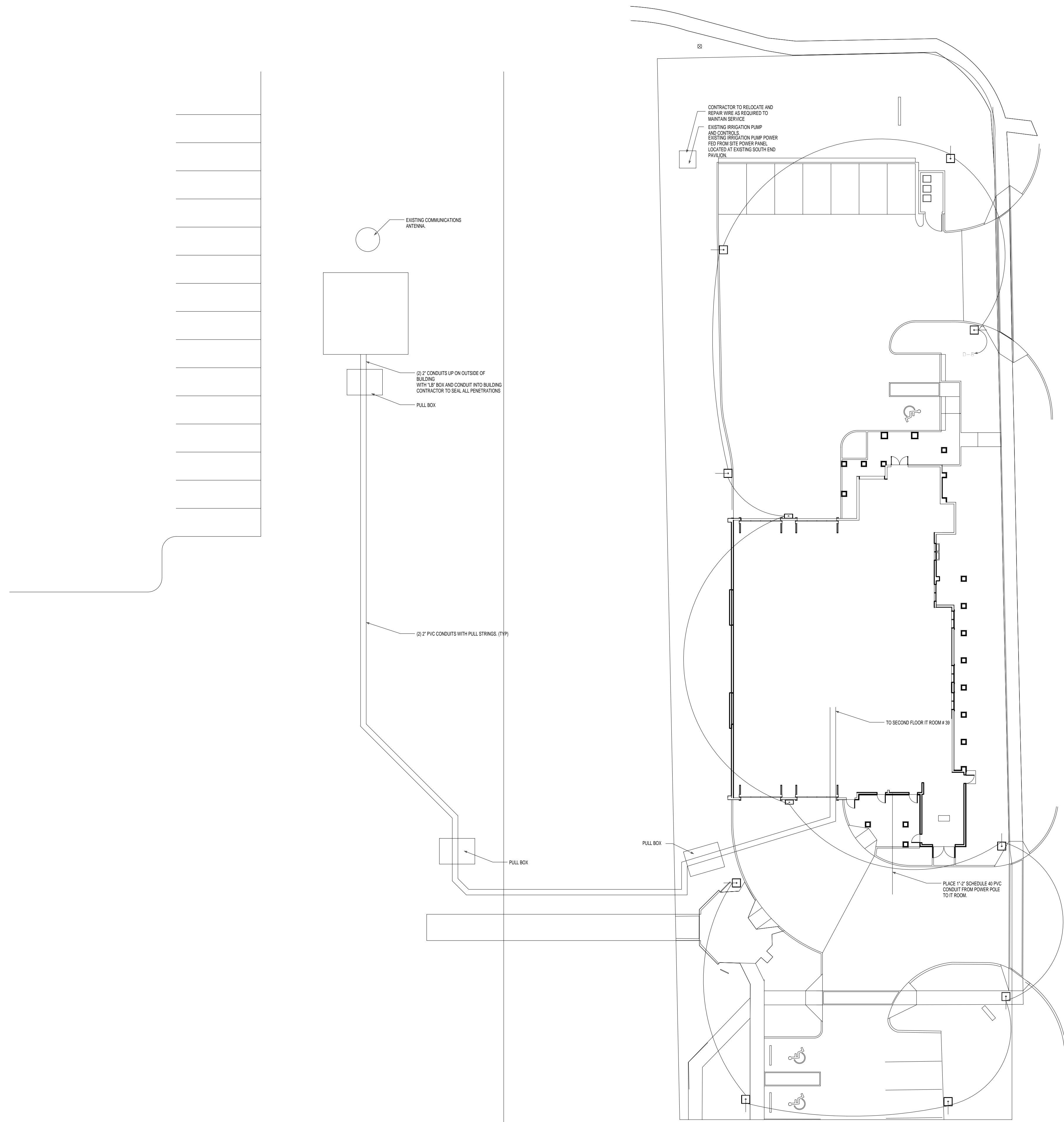
KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

**KAMM** CONSULTING  
1408 Orange Avenue  
Fort Pierce, Florida 34950  
Phone: 772.595.1744 Fax: 772.595.1745  
engineering@kammconsulting.com  
Certification of Authorization: #8189

PRINCIPAL: Brady L. Brown, Florida License #58232  
date: 9-24-14  
signed: \_\_\_\_\_

NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14





**1 SITE POWER PLAN**  
 E-1.2 SCALE: 1" = 20'-0"

NO.	REVISION	DATE
	Cons. Iss. Set.	11/3/14

CONSULTANT:

**FIRE STATION 50**  
 NW 45AVE & COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA

**CPZ ARCHITECTS, INC.**  
 4800 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:  
**SITE POWER PLAN**

KAMM CONSULTING PROJECT #: 2013-0931  
 PROJECT MANAGER: JOHN MAYR

**KAMM** 1408 Orange Avenue  
 Fort Pierce, Florida 34950  
 Phone 772.595.1744 Fax 772.595.1745  
 engineering@kammconsulting.com  
 Certification of Authorization: #8189

**PRINCIPAL**  
 Brady L. Brown Florida License #58232

9-24-14  
 date

signed

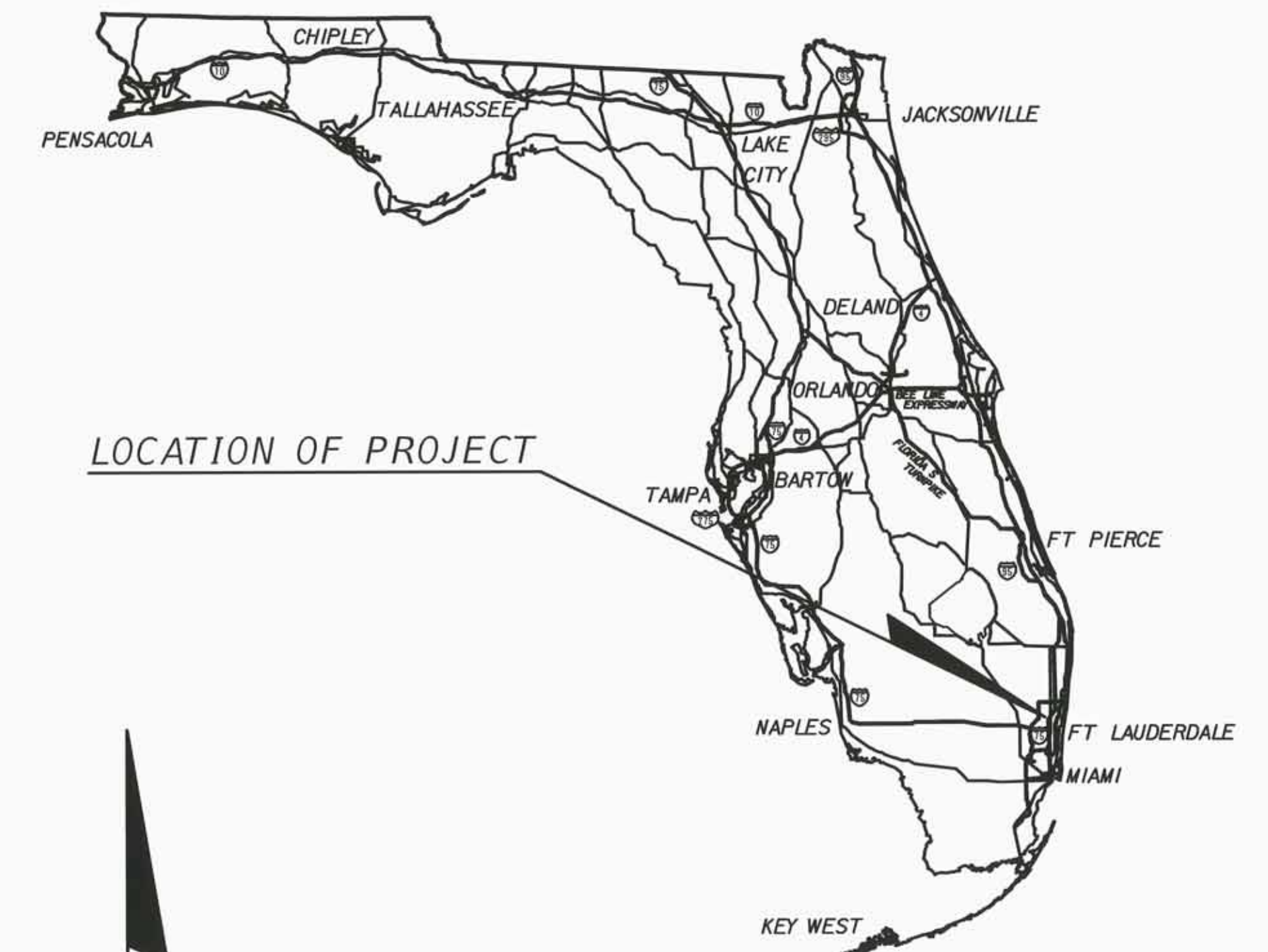
DRAWN: Author  
 CHECKED: Checker  
 DATE: 12-26-2013  
 SCALE: 1" = 20'-0"  
 PROJECT NO. 1220D  
 SHEET:

**E-1.2**

# CITY OF COCONUT CREEK HIGHWAY CONSTRUCTION

## CONTRACT PLANS

### BROWARD COUNTY INTERSECTION IMPROVEMENTS COCONUT CREEK PKWY. AND NW 45TH AVE.



LOCATION OF PROJECT



PLANS PREPARED BY:  
ATKINS NORTH AMERICA, INC.  
482 S KELLER ROAD  
ORLANDO, FLORIDA 32810  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24

SIGNALIZATION  
SHOP DRAWINGS TO BE SUBMITTED TO:  
PAUL J. MANNIX, P.E.  
ATKINS NORTH AMERICA, INC.  
482 S KELLER ROAD  
ORLANDO, FLORIDA 32810

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

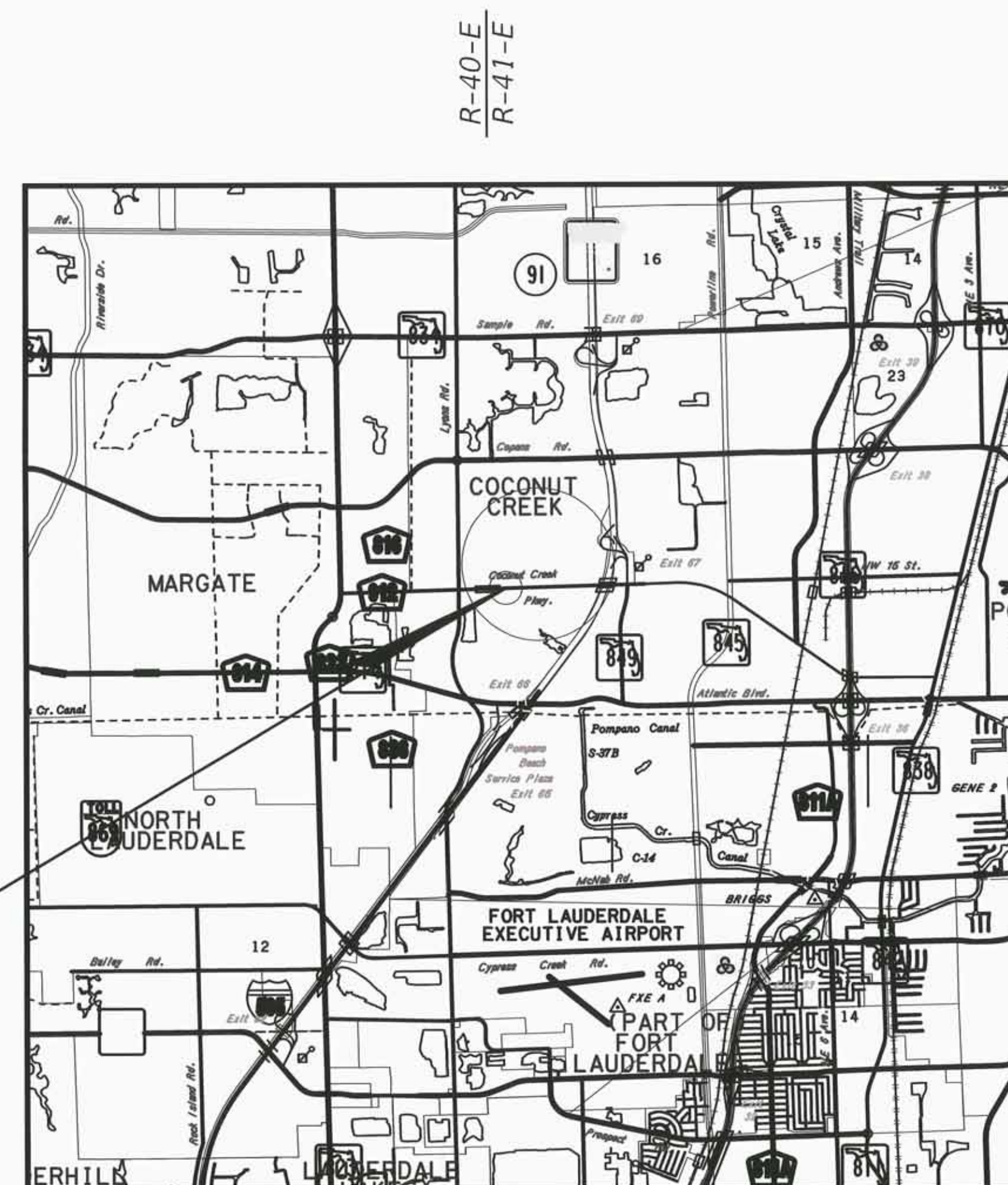


SIGNALIZATION AND  
SIGNING AND MARKINGS  
ENGINEER OF RECORD: PAUL J. MANNIX, P.E.

P.E. NO.: 57712

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2 THRU T-3	TABULATION OF QUANTITIES
T-4	TYPICAL SECTION AND PAVEMENT DETAIL
T-5 THRU T-5A	GENERAL NOTES
T-6	PROJECT LOCATION SHEET
T-7	ROADWAY PLAN
T-8	RIGHT TURN LANE DETAIL
T-9	SIGNING AND PAVEMENT MARKING PLAN
T-10 THRU T-11	SIGNALIZATION PLAN
T-12	GUIDE SIGN WORKSHEET
T-13	MAST ARM TABULATION
T-14	SIGNAL HEAD & CABINET DETAILS
T-15	CURB RAMPS PLAN DETAILS
T-16	UTILITY ADJUSTMENT PLAN
T-17	TEMPORARY AND PROPOSED EASEMENT DETAILS
T-18	MAST ARM ASSEMBLIES
A-1	REPORT OF CORE BORINGS
CTL-1 THRU CTL-3	MAP OF TOPOGRAPHIC SURVEY (*)
UTV-1	SUMMARY OF VERIFIED UTILITIES

\* BY OTHERS, FOR INFORMATION ONLY



LOCATION OF PROJECT

**GOVERNING STANDARDS AND SPECIFICATIONS:**  
All MOT and Construction Work Performed in Broward County Right of Way shall be in accordance with the governing Standards and Specifications:  
Exhibit 25A, Broward County Administrative Code  
Florida Department of Transportation, 2014 Design Standards and revised Index Drawings as appended herein, and 2014 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>

Revisions:  
REVISION (09/10/14): T-1, T-2, T-3, T-7, T-10, T-13, T-15, T-18 AND UTV-1.  
REVISION (11/03/14) - CONSTRUCTION ISSUE SET: T-1, T-2, T-3, T-4, T-5, T-6, T-7, T-8, T-9, T-10, T-11, T-12, T-13, T-15, T-16, T-17, T-18 AND UTV-1.

CONSTRUCTION ISSUE SET  
11-03-14

CITY OF COCONUT CREEK PROJECT MANAGER: SHEILA ROSE

KEY SHEET REVISIONS	
DATE	DESCRIPTION
09/10/14	REMOVE SHEET T-19. REMOVE 'NEXT SUBMITTAL' FROM SHEETS T-18 AND UTV-1.
11/03/14	ADDED PROJECT LOCATION SHEET. ADDED BROWARD DESIGN STANDARDS TO MEET.

THE PUBLIC ROADWAY(S) INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS & HIGHWAY - STATE OF FLORIDA".

SHEET NO.  
T-1

### TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBER										GRAND TOTAL			
			T-7		T-8		T-9		T-10		T-10A		T-11		ORIGINAL	FINAL
			ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL		
101-1	MOBILIZATION	LS													1	
102-1	MAINTENANCE OF TRAFFIC	LS													1	
104-18	INLET PROTECTION SYSTEM	EA	2												2	
110-1-1	CLEARING AND GRUBBING	LS													1	
110-4	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	18		89										107	
160-4	TYPE B - STABILIZATION SUB-BASE	SY			139										139	
285-709	OPTIONAL BASE GROUP 9	SY			139										139	
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN			7.7										7.7	
337-7-73	ASPHALT CONC. FRICTION COURSE (TRAFFIC C, FC-9.5, PG 76-22, ARB)	TN			7.7										7.7	
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	0.1												0.1	
514-71-1	PLASTIC FILTER FABRIC, SUBSURFACE	SY			139										139	
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	193		165										358	
520-2-4	CONCRETE CURB, TYPE D	LF	63		14										77	
522-2	CONCRETE SIDEWALK (6" THICK)	SY	98		118										216	
527-2	DETECTABLE WARNINGS	SF	111		42										153	
536-73	GUARDRAIL REMOVAL	LF	25		67										92	
536-85-26	GUARDRAIL END ANCHORAGE ASSEMBLY (TYPE CRT)	EA	1												1	
570-1-2	PERFORMANCE TURF, SOD	SY	39		47										86	
523-1	ALTERNATIVE BID PAY ITEM PATTERNED PAVEMENT (VEHICULAR AREAS)	SY	166												166	


  
 Paul J. Mannix

REVISIONS	
DATE	DESCRIPTION
09/10/14	UPDATE QUANTITIES FOR MOVING MAST ARMS.
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712


**COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION  
 CITY INTERSECTION COUNTY PROJECT NO.  
 COCONUT CREEK COCONUT CREEK PKWY AT NW 45TH AVE 140828001

**TABULATION OF QUANTITIES**

SHEET NO.  
**T-2**



### TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBER										GRAND TOTAL			
			T-7		T-8		T-9		T-10		T-10A		T-11		ORIGINAL	FINAL
			ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL	ORIGINAL	FINAL		
630-2-11	CONDUIT (F&I)(OPEN TRENCH)	LF							423						423	
630-2-12	CONDUIT (F&I)(DIRECTIONAL BORE)	LF							368						368	
632-7-1	SIGNAL CABLE (NEW INTERSECTION)(F&I)	PI							1						1	
632-7-2	SIGNAL CABLE (OTHER-OUTSIDE OF INTERSECTION)(F&I)	LF							269						269	
633-4-1	SIGNALS COMMUNICATION CABLE - TWISTED PAIR (F&I)	LF							311		615				926	
633-4-4	SIGNALS COMMUNICATION CABLE - TWISTED PAIR (RELOCATE)	LF							145						145	
635-2-11	PULL & SPLICE BOX (F&I)(13" x 24" COVER SIZE)	EA							24						24	
635-2-12	PULL & SPLICE BOX (F&I)(36" x 48" COVER SIZE)	EA							2						2	
639-1-122	ELECTRICAL POWER SERVICE (F&I)(UNDERGROUND) (METER PURCHASED BY CONTRACTOR)	AS							1						1	
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF							105						105	
641-2-12	PRESTRESSED CONCRETE POLE (F&I) (TYPE P-II 12' SERVICE POLE)	EA							1						1	
646-1-11	ALUMINUM SIGNALS POLE (F&I) PEDESTAL	EA							4						4	
649-31-101	STEEL MAST ARM ASSEMBLY (F&I)(WIND SPEED-150) (SINGLE ARM)(W/O LUMINAIRE-36)	EA							2						2	
649-31-102	STEEL MAST ARM ASSEMBLY (F&I)(WIND SPEED-150) (SINGLE ARM)(W/O LUMINAIRE-46)	EA							1						1	
649-31-103	STEEL MAST ARM ASSEMBLY (F&I)(WIND SPEED-150) (SINGLE ARM)(W/O LUMINAIRE-60)	EA							1						1	
650-1-311	TRAFFIC SIGNAL (F&I)(3 SECTION)(1 WAY, ALUMINUM)	AS											6		6	
650-1-411	TRAFFIC SIGNAL (F&I)(4 SECTION)(1 WAY, ALUMINUM)	AS											1		1	
650-1-511	TRAFFIC SIGNAL (F&I)(5 SECTION)(1 WAY, ALUMINUM)	AS											1		1	
653-191	PEDESTRIAN SIGNAL (F&I)(LED - COUNTDOWN)(1 DIRECTION)	AS										8		8		
660-4-11	VEHICLE DETECTION SYSTEM (VIDEO)(F&I)(CABINET EQUIPMENT)	EA							1						1	
660-4-12	VEHICLE DETECTION SYSTEM (VIDEO)(F&I)(ABOVEGROUND EQUIPMENT)	EA							4						4	
663-1-120	SIGNAL PRIORITY AND PREEMPTION SYSTEM (F&I)(GPS)(COMPLETE SYSTEM)	EA							1						1	
663-1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM (F&I)(GPS)(DETECTOR)	EA							2						2	
665-1-11	PEDESTRIAN DETECTOR - (F&I) (STANDARD)	EA							6						6	
670-5-132	TRAFFIC CONTROLLER ASSEMBLY (F&I)(SPECIAL)(TWO PREEMPTION PLANS)	AS							1						1	
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA							1						1	
700-1-11	SINGLE POST SIGN (F&I - GROUND MOUNT)(UP TO 12 SF)	AS						5							5	
700-1-50	SINGLE POST SIGN (RELOCATE)	AS						2							2	
700-1-60	SINGLE POST SIGN (REMOVE)	AS						5							5	
700-2-13	MULTI- POST SIGN (F&I GROUND MOUNT)(21-30 SF)	AS						1							1	
700-3-101	SIGN PANEL (F&I GROUND MOUNT)(UP TO 12 SF)	EA						1							1	
700-3-201	SIGN PANEL (F&I OVERHEAD MOUNT)(UP TO 12 SF)	EA										1			1	
700-3-601	SIGN PANEL (REMOVE)(UP TO 12 SF)	EA						2							2	
700-5-22	INTERNAL ILLUMINATED SIGN (F&I, OVERHEAD MOUNT) (12-18 SF)	EA										4			4	
700-11-391	ELECTRONIC DISPLAY SIGN (F&I - OVERHEAD MOUNT) (BLANK-OUT SIGN) (UP TO 12 SF)	EA								1					1	
706-3	RETRO-REFLECTIVE PAVEMENT MARKER (WHITE-RED)	EA						15							15	
706-3	RETRO-REFLECTIVE PAVEMENT MARKER (YELLOW-YELLOW)	EA						22							22	
711-11-123	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD)(WHITE)(SOLID)(12")	LF						342							342	
711-11-125	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD)(WHITE)(SOLID)(24")	LF						344							344	
711-11-170	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD)(WHITE)(ARROW)	EA						4							4	
711-11-251	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD)(YELLOW)(DOTTED)(6")	LF						40							40	
711-12-125	THERMOPLASTIC PAVEMENT MARKINGS (REFURBISH)(WHITE)(SOLID)(24")	LF						25							25	
711-15-111	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD-OPEN GRADED ASPHALT SURFACES)(WHITE)(SOLID)(6")	NM						0.053							0.053	
711-15-211	THERMOPLASTIC PAVEMENT MARKINGS (STANDARD-OPEN GRADED ASPHALT SURFACES)(YELLOW)(SOLID)(6")	NM						0.008							0.008	
711-17	THERMOPLASTIC PAVEMENT MARKINGS (REMOVE EXISTING)	SF						187							187	

*Paul Joseph Mannix*  
  
 12/4/14

REVISIONS	
DATE	DESCRIPTION
09/10/14	UPDATE QUANTITIES FOR MOVING MAST ARMS.
11/03/14	CONSTRUCTION ISSUE SET

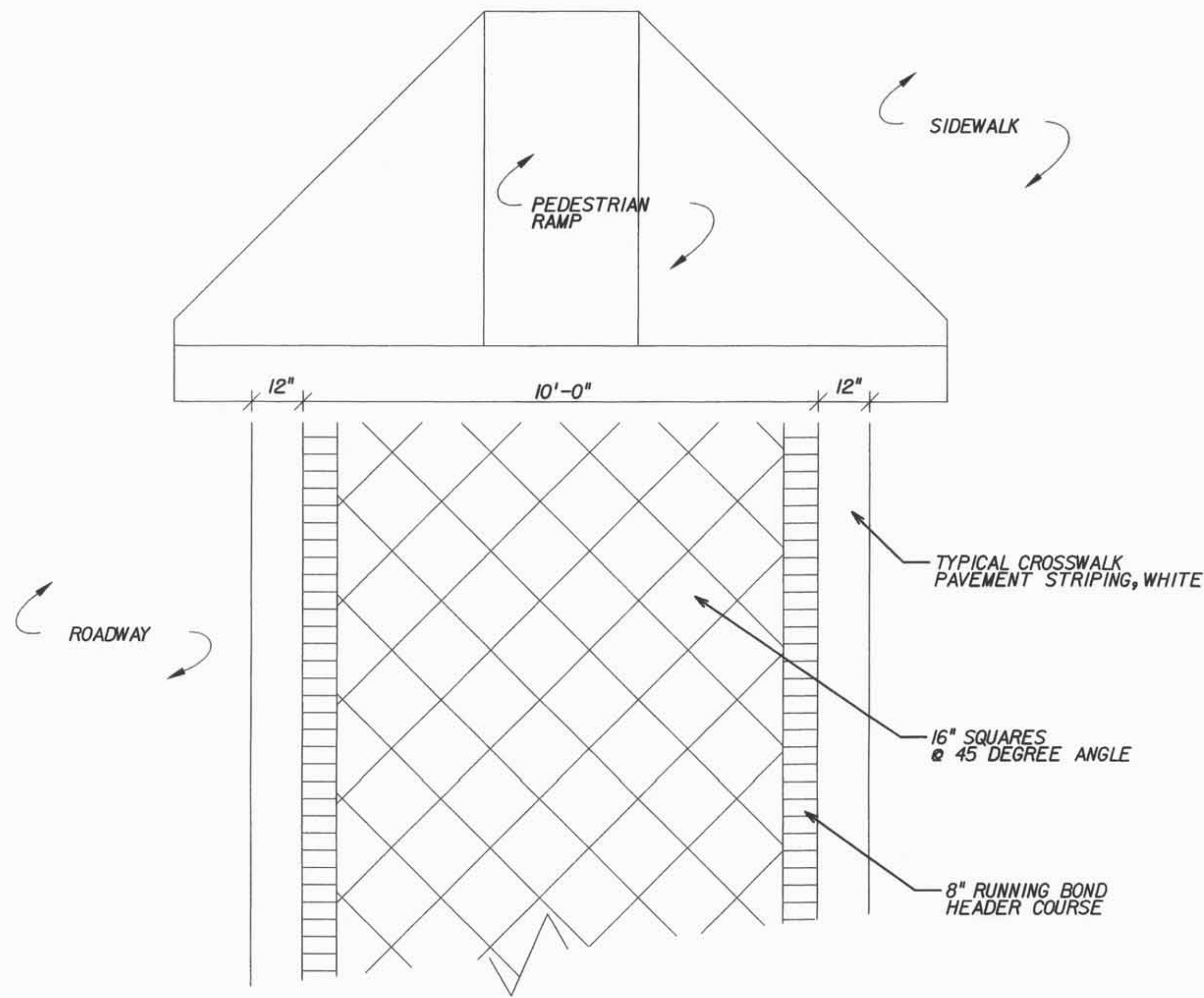
**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

 **COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION  
 CITY INTERSECTION COUNTY PROJECT NO.  
 COCONUT CREEK COCONUT CREEK PKWY AT NW 45TH AVE 140828001

**TABULATION OF QUANTITIES**

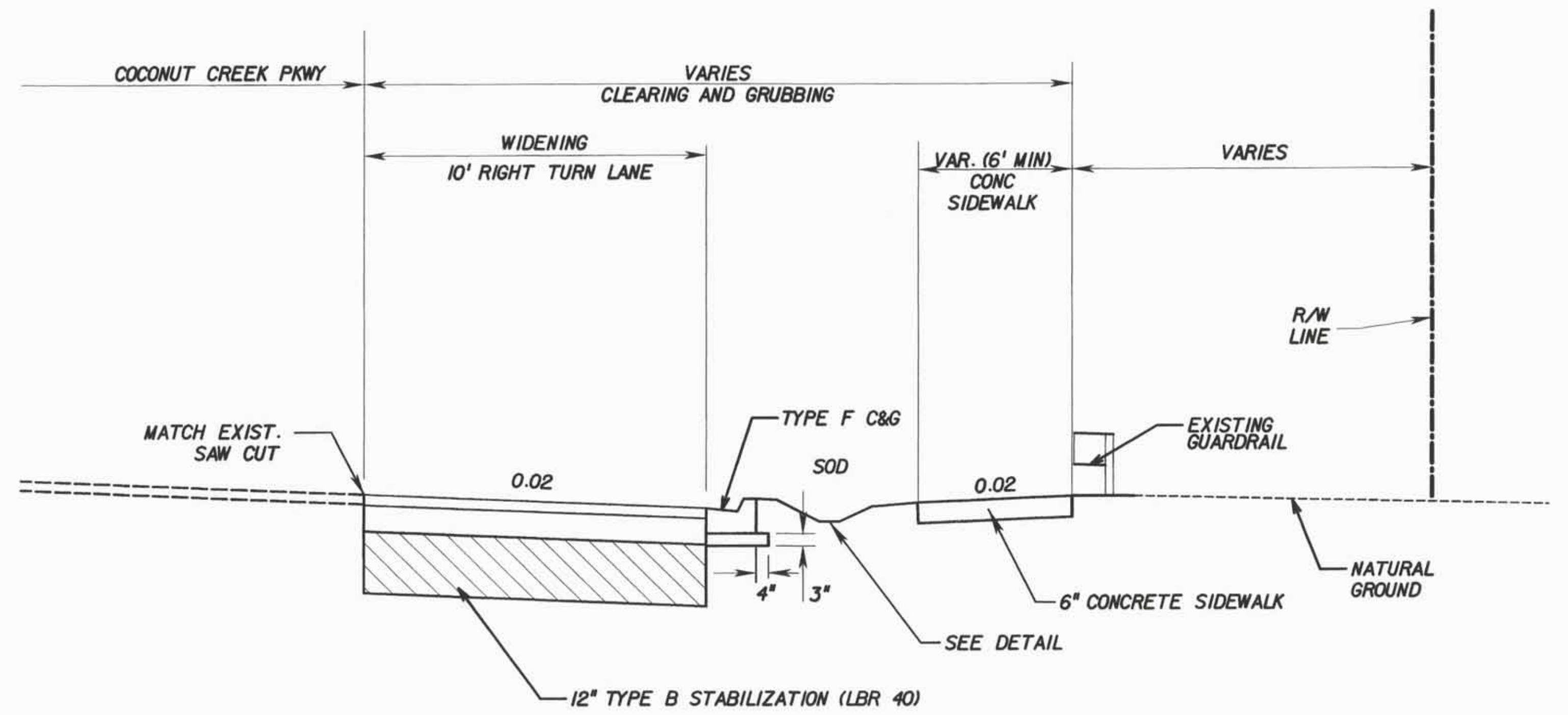
SHEET NO.  
**T-3**



PLAN VIEW

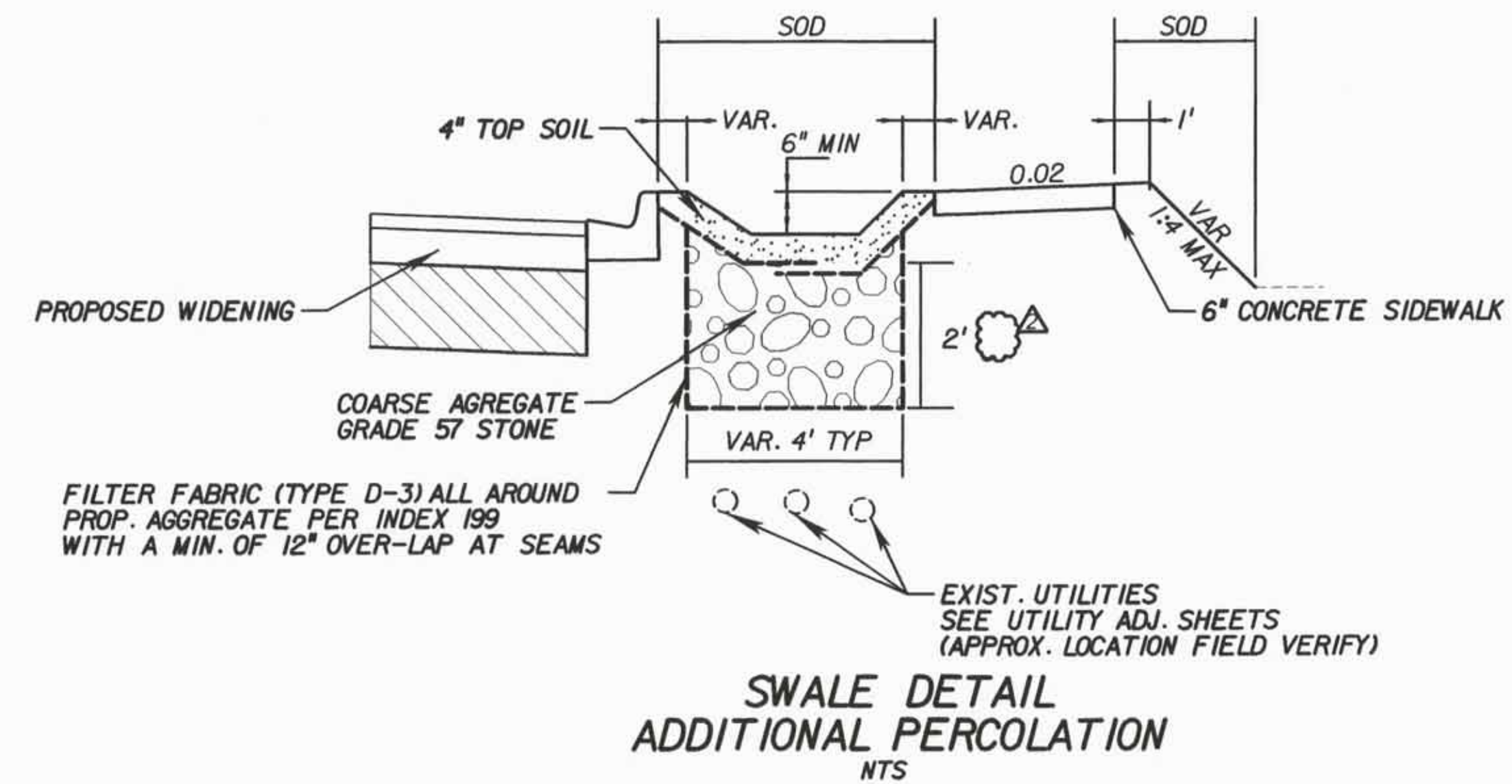
1 CROSSWALK LAYOUT

NOTE:  
 THE CROSSWALKS ARE TO BE 'STS' AS MANUFACTURED BY PAVEWAY SYSTEMS, OR APPROVED EQUAL.  
 COLOR: SAN DIEGO BUFF  
 PAVEWAY SYSTEMS  
 TEL: 727-372-5800  
 E-MAIL: TIFFANY.ALBRIGHT - T.ALBRIGHT@PAVEWAYSYSTEMS.COM



TYPICAL SECTION  
 COCONUT CREEK PKWY  
 STA. 13+61.39 TO STA. 15+03.64

WIDENING  
 OPTIONAL BASE GROUP (08)  
 TYPE SP STRUCTURAL COURSE (TRAFFIC C, PG 76-22, PMA) (1")  
 AND FRICTION COURSE FC-12.5 (TRAFFIC C, PG 76-22, PMA) (1.5")



SWALE DETAIL  
 ADDITIONAL PERCOLATION  
 NTS



REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 2001 NW 107TH AVENUE  
 MIAMI, FLORIDA 33172  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 JEREMY J. BOURDON, P.E. 59933



PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION  
 CITY INTERSECTION COUNTY PROJECT NO.  
 COCONUT CREEK COCONUT CREEK PKWY AT NW 45TH AVE 140828001

PAVEMENT DETAILS

SHEET NO.  
 T-4

SURVEY

1. THERE MAY BE ADDITIONAL EASEMENTS, RIGHTS-OF-WAY, OR OTHER RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF BROWARD COUNTY.
2. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE BROWARD COUNTY SURVEYOR AT (954) 577-4576 WITHOUT DELAY.

UTILITIES

1. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS IS BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
2. IT IS THE INTENT OF THESE PLANS THAT THE PROPOSED EQUIPMENT TO BE INSTALLED IS TO BE PLACED IN SUCH A MANNER SO AS TO TOTALLY AVOID ANY CONFLICTS WITH EXISTING UTILITIES ALONG THE ROUTE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION TO PLAN THEIR WORK WITHIN THE DESIGN OR SPECIFIED PARAMETERS, AND THE SPECIFIED TIME FRAME. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL ABOVEGROUND AND UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES.
3. THE CONTRACTOR SHALL USE HAND EXCAVATION METHODS WHEN EXCAVATING NEAR EXISTING UTILITIES, OR WHERE HAND-DIGGING IS SPECIFIED ON THE PLANS. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. EXTREME CAUTION SHALL BE USED BY THE CONTRACTOR WHEN EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND EXISTING UTILITIES.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION, REPAIR AND/OR REPLACEMENT OF ALL UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER & LIGHT AND FIELD VERIFY LOCATION(S) OF FLORIDA POWER & LIGHT SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT, AND PULL BOXES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING FLORIDA POWER & LIGHT TO DETERMINE IF A SERVICE PROCESSING FEE IS REQUIRED. IF REQUIRED, THE FEE SHALL BE REFLECTED IN THE CONTRACTORS BID UNIT PRICE FOR ELECTRICAL POWER SERVICE.
7. THE CONTRACTOR IS ADVISED THAT THE PRESENCE OF OVERHEAD ELECTRIC CONDUCTORS IN CLOSE PROXIMITY TO THE LOCATIONS OF THE PROPOSED SIGNAL MAST ARMS MAY LIMIT THE TYPE OF EQUIPMENT THAT CAN BE USED IN CONSTRUCTION OF THE MAST ARM AND ITS FOUNDATION. CONTRACTOR SHALL COORDINATE WITH FP&L TO DEACTIVATE LINES IF NECESSARY. THE EQUIPMENT AND/OR THE FP&L COORDINATION SHALL BE REFLECTED IN THE CONTRACTOR'S BID UNIT PRICE FOR MAST ARM CONSTRUCTION.
8. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (1-800-432-4770 OR 811) AND UTILITY OWNERS LISTED BELOW TWO (2) BUSINESS DAYS OR 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE. A CONTRACTOR'S REPRESENTATIVE SHALL BE PRESENT WHEN THE UTILITY COMPANY LOCATES THEIR FACILITIES. THE LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR AND THE UTILITY REPRESENTATIVE WHEN NECESSARY DURING CONSTRUCTION.
9. SITE INCLUDES HIGH DENSITY AT&T FACILITIES PROVIDING SWITCHING, ROUTING AND TRANSMISSION SERVICES TO THE SURROUNDING AREA. BEFORE DIGGING, OBSERVE SITE MARKINGS SUCH AS PAINT AND FLAGS. HAND DIGGING IS MANDATORY WITHIN THE STATUTORY TOLERANCE ZONE.

UTILITY AGENCY OWNERS:

COMPANIES	CONTACT	TELEPHONE NUMBERS
AT&T - DISTRIBUTION	OTIS KEEVE	(954) 723-2540
BROWARD COUNTY OES - WATER SUPPLY	GREG LOVAGLIO	(954) 847-2725
BROWARD COUNTY TRAFFIC (COPPER INTERCONNECT CABLE)	TIM MILLER	(954) 847-2761
BROWARD COUNTY TRAFFIC (FIBER OPTIC CABLE)	ROBERT BLOUNT	(954) 847-2745
CITY OF COCONUT CREEK	YUGAL LALL	(954) 973-6786
CITY OF MARGATE	JAMES WEAVER	(954) 972-0828
COMCAST CABLE	LEONARD MAXWELL-NEWBOLD	(954) 447-8405
FLORIDA POWER & LIGHT - DISTRIBUTION	BYRON SAMPLE	(954) 321-2056
TECO PEOPLES GAS - SOUTH FLORIDA	YVONNE GOLDMAN	(954) 453-0824

CONDUIT

1. ALL REFERENCES IN THE PLAN TO RIGID CONDUIT SHALL BE INSTALLED AS GALVANIZED STEEL METAL CONDUIT.

GENERAL

1. UNLESS OTHERWISE NOTED IN THE TECHNICAL SPECIFICATIONS: INSTALLATION, ACCEPTANCE, AND PAYMENT FOR ALL ITEMS REQUIRED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING, REFERENCED IN THE KEY SHEET: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT DESIGN STANDARDS (STANDARD INDEXES), BROWARD COUNTY MINIMUM STANDARDS, BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS AND SPECIFICATIONS, AND ANY OR ALL BROWARD COUNTY TRAFFIC ENGINEERING REQUIREMENTS THAT MEET OR EXCEED THOSE FOUND IN THE ABOVE REFERENCED DOCUMENTS.
2. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING PAVEMENT MARKINGS, ASPHALT, SWALE, AND SIDEWALK, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION OR BETTER AS STATED IN THE BROWARD COUNTY MINIMUM STANDARDS.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.

4. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.

5. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE CONTRACTOR SHALL COORDINATE ANY AND ALL CONSTRUCTION ACTIVITIES AND TRAFFIC CONTROL PHASES WITH ANY CONTRACTOR WITHIN OR ADJACENT TO PROJECT LIMITS.

6. FINAL LOCATIONS OF ALL CABINETS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF THE FOUNDATION IF THE LOCATION HAS CHANGED FROM THE PLAN.

7. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC ALONG THE PROPOSED CONSTRUCTION AREA.

8. OFFSETS TO POLES, CABINETS AND PULL BOXES ARE TO THE CENTER OF THOSE ITEMS. THE LOCATION OF ALL PROPOSED EQUIPMENT TO BE INSTALLED SHALL BE CONSIDERED TO BE APPROXIMATE. FIELD ADJUSTMENT OF ALL PROPOSED EQUIPMENT MAY BECOME NECESSARY TO ACCOMMODATE EXISTING FIELD CONDITIONS. VARIATIONS FROM THE PROPOSED LOCATION MUST BE PRE-APPROVED BY THE ENGINEER IN WRITING.

9. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OR THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO ANY FURTHER WORK ACTIVITY.

10. PULL BOXES SHALL BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THEN PULL BOXES SHALL BE PLACED AT LEAST 10 FEET FROM THE EDGE OF PAVEMENT. PULL BOXES SHALL NOT BE LOCATED AT THE BOTTOM OF ANY DITCH OR RETENTION AREA/POND, NOR IN ANY PORTION OF A CURB RAMP. PULL BOXES INSTALLED ALONG A SLOPED SURFACE SHALL MATCH THE SLOPE OF THE EXISTING SURFACE.

11. BASE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN TESTED AND ACCEPTED.

12. WEARING COURSES SHALL NOT BE PLACED UNTIL THE FOLLOWING HAS OCCURRED:

- A. A WALK THROUGH HAS BEEN CONDUCTED TO DETERMINE IF THERE IS ANY REMAINING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT.
- B. ALL LANDSCAPE WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.
- C. ALL UNDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISH ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

STRUCTURES

1. THE CONTRACTOR SHALL VERIFY STRUCTURE ORIENTATION PRIOR TO PLACEMENT. STRUCTURES OF INCORRECT ORIENTATION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL VERIFY THAT ALL STRUCTURES ARE SET TO ELEVATIONS THAT WILL MEET VERTICAL CLEARANCE REQUIREMENTS SPECIFIED IN FDOT, MUTCD, AND COUNTY STANDARDS PRIOR TO INSTALLING STRUCTURAL MATERIAL. IF A DISCREPANCY IS FOUND, CONTACT THE ENGINEER OF RECORD.

INSPECTIONS

1. ALL FINAL INSPECTIONS ARE TO BE SCHEDULED IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL HAVE THE APPROVED SHOP DRAWINGS AND COMPLETE PERMIT SET OF CONSTRUCTION PLANS AVAILABLE ON THE PROJECT SITE AT ALL TIMES.
3. ALL WORK WHICH WILL NOT BE READILY VISIBLE UPON COMPLETION SHALL NOT BE CONCEALED UNTIL AN APPROVED INSPECTION. IN THE EVENT THAT ITEMS ARE CONCEALED, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO EXPOSE THE QUESTIONED ITEM(S) FOR THE INSPECTORS APPROVAL, AT NO ADDITIONAL COST TO THE CITY. THIS INCLUDES, BUT IS NOT LIMITED TO:
  - BURIED OR IMBEDDED CONDUIT
  - GROUND WIRE, RODS, AND ARRAY
  - LOOPS AND HOMERUNS
  - LOOP SPLICES BEFORE ENCAPSULATING
  - ALL MEG OHM AND CONTINUITY TESTING SHALL BE DONE IN THE PRESENCE OF THE COUNTY INSPECTOR
4. THE APPLICATION OF THE FOLLOWING MATERIALS TO VARIOUS TRAFFIC SIGNAL COMPONENTS SHALL BE PERFORMED DURING ASSEMBLY:
  - THREADED HARDWARE: ALL NON-ELECTRICAL THREADED HARDWARE (i.e. astro bracket hardware, pole hardware, or any threaded surface) SHALL BE COATED WITH AN ANTI-SEIZE LUBRICANT APPROVED BY THE ENGINEER. NO SPRAY ON ANTI-SEIZE COMPOUND WILL BE ACCEPTED.
  - GASKETING SURFACES: ALL GASKET SURFACES SHALL BE LIGHTLY COATED WITH COUNTY APPROVED SILICONE GREASE.
  - ELECTRICAL CONNECTIONS: ALL MECHANICAL/ELECTRICAL CONNECTIONS SHALL HAVE THE VARIOUS COMPONENTS OF THE SPLICE OR TERMINATION COATED WITH A COUNTY APPROVED OXIDE INHIBITOR.
  - GALVANIZED SURFACES: ALL SCRATCHES AND FIELD-DRILLED HOLES SHALL BE TREATED IN ACCORDANCE WITH THE 'SPECIAL PROVISION FOR INSTALLATION OF PAINT-OVER-GALVANIZED STEEL MAST-ARM ASSEMBLIES.
  - WEATHERPROOFING: IRREGULAR MATING SURFACES SHALL BE RENDERED WEATHERPROOF BY APPLYING AN APPROPRIATE BEAD OF CLEAR SILICON CAULK. THESE AREAS INCLUDE SERRATED SIGNAL COUPLINGS, CONTROLLER CABINET FOUNDATION, PEDESTRIAN PUSH BUTTONS, AND ANY OTHER AREAS TYPICALLY PRONE TO MOISTURE INFILTRATION.
  - CABLE ENTRY/EXIT: WHENEVER A CABLE ENTERS OR EXITS A FIELD DRILLED HOLE, THE CABLE SHALL BE PROTECTED FROM ABRASION WITH AN APPROVED MEANS.
5. IN AN INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT INCLUDING A TWO MAN BUCKET TRUCK OR PLATFORM LIFT TRUCK FOR USE BY THE INSPECTOR.
6. A FORM INSPECTION SHALL BE PERFORMED AND APPROVED BY INSPECTOR PRIOR TO POURING CONCRETE.

AS-BUILTS

1. THE CONTRACTOR SHALL PROVIDE ONE COMPLETE SET OF EACH OF THE FOLLOWING ACCEPTABLE FINAL RECORD DRAWINGS IN:
  - (a) DIGITAL AUTO-CAD FORMAT (1 COPY)
  - (b) PDF FORMAT (1 COPY)
 AND TWO COMPLETE SETS OF ACCEPTABLE SIGNED AND SEALED PAPER FINAL RECORD DRAWING 24" X 36" SHEETS CERTIFIED BY THE ENGINEER OF RECORD, 7 DAYS PRIOR TO SIGNAL CONDITIONAL ACCEPTANCE INSPECTION BY THE MAINTAINING AGENCY. THE CONTRACTOR SHALL BE REQUIRED TO BECOME FAMILIAR WITH BCTED'S INSPECTION PROCEDURE.
2. THE CONTRACTOR SHALL SUBMIT A SKETCH TO THE ENGINEER FOR APPROVAL, IF THE LOCATION OF ANY VERTICAL PLACEMENT VARIES FROM THE DESIGNATED LOCATION OF THE PLAN. UPON FINAL INSPECTION AND ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE AS-BUILT AND AS-INSTALLED DRAWINGS AS STIPULATED IN THE CONTRACT.

SUBMITTALS

1. ALL SUBMITTAL DATA SHOULD BE SUBMITTED THE ENGINEER. THE CONTRACTOR SHALL ALLOW FOR 21 DAYS TURN AROUND ON SUBMITTALS.
2. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATIONS, SHOP DRAWINGS OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THIS PROJECT.

INTERCONNECT NOTES:

1. THE CONTRACTOR SHALL REMOVE THE SIGNAL INTERCONNECT CABLE FROM THE EXISTING CONTROLLER BACK TO THE NEAREST PULL BOX AND REROUTE IT FROM THERE, THROUGH NEW CONDUIT, TO THE NEW CONTROLLER.
2. ANY COPPER INTERCONNECT CABLE THAT IS CUT OR DAMAGED DURING CONSTRUCTION MUST BE REPLACED AS AN ENTIRE RUN AND SHALL BE TERMINATED IN A JUNCTION BOX OR CONTROLLER CABINET. SPLICING OF COPPER INTERCONNECT CABLE IS NOT PERMITTED. THE CONTRACTOR SHALL BEAR ALL EXPENSES ASSOCIATED WITH THE INSTALLATION OF THE NEW INTERCONNECT CABLE.
3. ANY FIBER INTERCONNECT CABLE THAT IS CUT OR DAMAGED DURING CONSTRUCTION MUST BE REPLACED AS AN ENTIRE RUN AND SHALL BE RE-SPLICED WITHIN THE SPLICE CLOSURE AT THE END OF THE RUN. SPLICING OF FIBER INTERCONNECT CABLE BETWEEN SPLICE CLOSURES IS NOT PERMITTED. THE CONTRACTOR SHALL BEAR ALL EXPENSES ASSOCIATED WITH THE INSTALLATION OF THE NEW INTERCONNECT CABLE.
4. THE CONTRACTOR SHALL BE AWARE THAT AT&T TELEPHONE DROPS AND SYSTEM COMMUNICATIONS INTERCONNECT MAY EXTEND THROUGHOUT THE PROJECT. CABLE RUNS AND/OR CONDUIT, TELEPHONE INTERFACE EQUIPMENT, PULL/JUNCTION BOXES, AND ANY OTHER SIGNAL OR OTHER SYSTEMS EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
5. ANY MATERIAL FURNISHED FOR THE PURPOSES OF: NEW INSTALLATION, REPLACEMENT, OR REPAIR OF THE EXISTING COMMUNICATIONS INFRASTRUCTURE SHALL MEET THE STANDARDS AND SPECIFICATIONS OF BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED), ANY SUPPLIED CONTROLLER CABINET, CONTROLLER, TELEMETRY UNIT, COMMUNICATIONS CABLE, PULL BOX, CONDUIT, TERMINATION DEVICE, JUNCTION BOX, AND COMMUNICATIONS INTERFACE PANEL SHALL COMPLY WITH THE LATEST REQUIREMENTS AS STATED BY BCTED AND SHALL PROVIDE FOR FULL FUNCTIONALITY WITH THE EXISTING BCTED'S UTCS OPERATION.

COMMUNICATIONS NOTES:

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT. PLEASE REFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. IF FIBER OPTIC PULL BOXES ALREADY EXIST AT AN INTERSECTION, NO ADDITIONAL FIBER OPTIC PULL BOXES WILL NEED TO BE INSTALLED. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEB SITE AT WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS.

IF THERE ARE COPPER INTERCONNECT CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1500 FEET OF YOUR PROJECT LIMITS, CONTACT THE TRAFFIC SIGNAL TECHNICIAN III AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2761.

IF THERE ARE FIBER OPTIC CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1500 FEET OF YOUR PROJECT LIMITS CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.

ALL BCTED COMMUNICATIONS CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION COPPER INTERCONNECT CABLE NOTIFICATION CONTACT PERSON WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE INTERRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE TRAFFIC SIGNAL TECHNICIAN III AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00AM AND ENDING AT 3:00PM.



REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
482 SOUTH KELLER ROAD  
ORLANDO, FLORIDA 32810  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
FLORIDA

PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**GENERAL NOTES**

SHEET NO. T-5

TRAFFIC CONTROL

1. DURING THE TIME THE CONTRACTOR IS INSTALLING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL PROVIDE, AT THEIR EXPENSE, TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGER PERSONNEL, AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW.
2. EARLY "TURN-ON" OF THE NEW SIGNAL INSTALLATION WILL ONLY BE PERMITTED IF AUTHORIZED IN WRITING BY BCTED. IF THIS NEED ARISES, BCTED WILL NEGOTIATE WITH THE CONTRACTOR FOR MAINTENANCE OF THE SIGNAL. THE NEW SIGNAL LOCATION SHALL BE FLASHED NO LESS THAN THREE DAYS, AND NO MORE THAN FOURTEEN DAYS PRIOR TO THE INSPECTION. SIGNAL HEADS MUST BE BAGGED WITH BURLAP OR TURNED BACK UNTIL THIS TIME.
3. ALL EXISTING REGULATORY AND INFORMATIONAL SIGNS SHALL BE MAINTAINED AND PROTECTED BY THE CONTRACTOR FOR AS LONG AS DEEMED NECESSARY BY THE CITY AND COUNTY. IF ANY SIGNS ARE DAMAGED OR LOST DURING THE CONSTRUCTION PERIOD, SUCH SIGNS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

SIGNAL GENERAL NOTES

1. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED COMMUNICATIONS EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL TRAFFIC SIGNAL AND RELATED COMMUNICATION EQUIPMENT FOR THIS CONTRACT SHALL BE COMPATIBLE WITH BCTED'S CENTRAL COMPUTER NETWORK SYSTEM. PRIOR TO ANY PURCHASING OF THE ABOVE PRODUCTS, ENSURE THEY HAVE BEEN APPROVED FOR SYSTEM COMPATIBILITY BY THE MAINTAINING AGENCY. AND THAT ARE CURRENTLY LISTED ON THE FDOT APL OR QPL AT TIME OF SUBMITTAL.
2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE OF COMMENCEMENT, VIA EMAIL, TO TEINSPECTION@BROWARD.ORG. NOTICE SHALL INCLUDE THE DATE OF COMMENCEMENT, LOCATION AND TYPE OF WORK & INFORMATION REGARDING ANY MALFUNCTIONING SIGNAL EQUIPMENT.
3. CONTRACTOR SHALL NOTIFY BCTED AT TEINSPECTION@BROWARD.ORG AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. MAINTENANCE RESPONSIBILITY BELONGS TO CONTRACTOR UNTIL THE COUNTY ISSUES CONDITIONAL ACCEPTANCE AT FINAL INSPECTION, AT WHICH TIME MAINTENANCE RESPONSIBILITIES ARE PROPERLY TRANSFERRED TO THE COUNTY.
4. APPROVAL OF SHOP DRAWINGS DOES NOT CONSTITUTE A WARRANTY THAT THE SIGNAL EQUIPMENT COMPLIES WITH THE STANDARDS OF THE MAINTAINING AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE PROPOSED SIGNAL EQUIPMENT MEETS THE REQUIREMENTS SPECIFIED IN THE CONTRACT, SPECIFICATIONS AND CONTRACT PLANS.
5. THE CONTRACTOR SHALL MAKE ALL VIDEO DETECTORS INSTALLED AS PART OF THE PROJECT FULLY OPERATIONAL IN ACCORDANCE WITH THEIR ASSOCIATED ISOLATED INTERSECTION SIGNAL TIMING CHART WITHIN 24 HOURS OF THEIR INSTALLATION.
6. ALL SIGNALIZATION PLANS, SUBMITTAL DATA, AND SIGNALIZATION SHOP DRAWINGS SHALL BE APPROVED BY THE COUNTY PRIOR TO THEIR USE. NO CHANGES TO THE APPROVED SIGNALIZATION PLAN, EQUIPMENT SPECIFICATIONS, OR INSTALLATION DETAILS SHALL BE MADE WITHOUT PRIOR APPROVAL.
7. THE VIDEO DETECTION SYSTEM SHALL BE ON THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) APPROVED PRODUCTS LIST AND MEET ALL QUALIFYING SPECIFICATIONS IDENTIFIED HEREIN OR AS DESCRIBED IN FDOT SECTION 660 "VEHICLE DETECTION SYSTEM" AS IT APPLIES TO VIDEO VEHICLE DETECTION SYSTEMS. DEVIATIONS FROM THE FDOT SECTION 660 SPECIFICATIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD PRIOR TO INSTALLATION. NO EXCEPTIONS WILL BE MADE FOR VARIATIONS FROM THE FDOT SPECIFICATION AND/OR THE PLAN SETS PERFORMED BY THE CONTRACTOR. ERRORS BECAUSE OF VARIATIONS SHALL BE FIXED AT THE CONTRACTOR'S EXPENSE, NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE PLACEMENT OF THE VIDEO IMAGE DETECTION DEVICES AND COORDINATE WITH THE ENGINEER OF RECORD TO DETERMINE THE MOST OPTIMAL LOCATION FOR THE INSTALLATION OF THE VIDEO IMAGE DETECTION DEVICES IN ORDER TO MEET THE PERFORMANCE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS FOR PAY ITEM 660-4-12, AS DESCRIBED ON THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WEBSITE.
9. SIGNAL CABLE SHALL BE SPLICED TO A SEPARATE 7 CONDUCTOR CABLE FOR EACH SIGNAL AND A 4 CONDUCTOR FOR EACH PEDESTRIAN HEAD. THESE SPLICES SHALL BE INSTALLED IN EITHER THE HAND-HOLE OF THE STEEL POLE/CONCRETE STRAIN POLE OR WITHIN THE TRANSFORMER BASE OF A PEDESTRIAN PEDESTAL. THE COLOR CODE OF SIGNAL CABLE SHALL BE VERIFIED WITH BROWARD COUNTY PRIOR TO WIRING INTERSECTION. A PERMANENT TAG SHALL BE PLACED AT BOTH OF THE WIRE TERMINATIONS DESIGNATING THE PHASE USED. ALL UNUSED SIGNAL WIRES SHALL BE BONDED TO THE POLE GROUND. EACH DETECTOR PUSH BUTTON SHALL BE FED WITH AN INDIVIDUAL TWO CONDUCTOR BELDEN CABLE, WITH THE SHIELD WIRE BONDED TO THE POLE GROUND. THE OUTSIDE INSULATION JACKET OF ALL SIGNAL CABLES SHALL REMAIN INTACT FROM THE SIGNAL HEADS TO THE FIELD TERMINATION POINTS. NO UN-JACKETED INDIVIDUAL CONDUCTORS SHALL REST IN ANY FIELD DRILLED STRUCTURES OR ASSEMBLIES.

PAY ITEM NOTES

102-1 INCLUDES ALL ITEMS REQUIRED TO SAFELY MAINTAIN TRAFFIC THROUGHOUT THE WORK ZONE, AS SPECIFIED IN THE FDOT DESIGN STANDARD INDEX 600 SERIES. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO HIGH INTENSITY FLASHING LIGHTS, TEMPORARY REFLECTIVE PAVEMENT MARKERS, IMPACT ATTENUATOR MODULES, BARRICADES AND TEMPORARY STREET LIGHTING, PAINTED PAVEMENT MARKINGS. PAYMENT UNDER THIS ITEM INCLUDES THE PROFESSIONAL ENGINEER'S FEES FOR THE PREPARATION OF THE MAINTENANCE OF TRAFFIC PLANS, AS WELL AS COMPENSATION FOR ALL NECESSARY DETOURS. THIS ITEM INCLUDES PROVIDING MAINTENANCE OF TRAFFIC DURING INSPECTIONS. ALSO INCLUDES THE COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS, AND VIDEO DETECTION.

FOR SUB-GRADE, BASE, ASPHALT, AND SIDEWALK COMPACTION REQUIREMENTS; SEE SECTION 120-9 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

110-1-1 INCLUDES THE COST OF FLEXIBLE PAVEMENT REMOVAL, REMOVAL OF BASE, AND BREAK UP OF COMPACTED SUBGRADE.

PAY ITEM NOTES (CONTINUED)

520-1- INCLUDES THE COST OF REMOVING CONCRETE CURB & GUTTER AND SIDEWALKS. ALSO INCLUDES STABILIZATION OF EARTHWORK UNDER SIDEWALK.

520-1-10 INCLUDES THE COST OF THE CURB PAD.

570-1-2 ONLY COVERS AREA HATCHED IN PLANS. ALL OTHER SOD RESTORATION SHALL BE COVERED UNDER THE ORIGINAL PAY ITEM ASSOCIATED WITH THE WORK BEING PERFORMED. MATCH EXISTING TYPE OF SOD.

632-7-1 INCLUDES COST OF PEDESTRIAN SIGNAL HEAD WIRING/CABLING RUNS.

635-2-11 PULL BOXES SHALL HAVE NON-METALLIC QUAZITE "HEAVY DUTY" COVERS RATED FOR A STATIC DESIGN LOAD OF AT LEAST 20,000 lbs. OVER A 10' SQUARE AREA. COVERS SHALL BE STAMPED "BROWARD COUNTY TRAFFIC SIGNAL" FOR ALL SIGNALIZATION APPLICATIONS. ALL PULL BOXES SHALL BE OF COMPOSITE MATERIAL AND INSTALLED WITH A MINIMUM 12" WIDE, 6" DEEP CONCRETE APRON PER FDOT STANDARD INDEX 17700 A (INTERIM). THE MINIMUM 28-DAY COMPRESSIVE STRENGTH REQUIREMENT FOR THIS CONCRETE IS 3000 PSI. THE CRUSHED STONES BED BENEATH PULL BOX SHALL BE AT A MINIMUM OF 12" DEEP AND HAVE A 12" WIDE APRON AROUND THE BOTTOM OF THE PULL BOX (I.E. THE BOX SHALL SIT ON THE COMPACTED BED OF CRUSHED STONES AS SHOWN IN FDOT INDEX 17700). THE FOUNDATION MATERIAL BENEATH THE CRUSHED STONE BED SHALL BE COMPACTED TO THE COUNTY'S APPROVAL. THE AREA TO BE COMPACTED IS, BUT NOT LIMITED TO THAT AREA UNDER THE CRUSHED STONE BED, THE MATERIAL ABOVE THE CRUSHED STONE BED, AND ONE (1) FOOT OUTSIDE THE PULL BOX APRON SHALL BE COMPACTED PRIOR TO PLACING THE CONCRETE. CONCRETE FORMS, PLACING CONCRETE, JOINTS AND FINISHING SHALL MEET SECTION 520-3, 520-5, 522-5, & 522-7, RESPECTIVELY.

635-2-12 FIBER OPTIC PULL BOXES SHALL BE "HEAVY DUTY", NON-METALLIC, OF POLYMER MATERIAL, WITH AN OPEN BOTTOM AND RATED FOR A STATIC DESIGN LOAD OF AT LEAST 22,000 lbs OVER A 10' SQUARE AREA. THE COVER (LID) SHALL BE HEAVY DUTY 2 PART LID WITH 2 BOLTS WITH A DESIGN LOAD OF AT LEAST 22,000 lbs, OF POLYMER MATERIAL AND SHALL BE FLUSH SEATED. FIBER OPTIC PULL BOXES SHALL HAVE MINIMUM DIMENSIONS OF 36" X 48" X 30" DEEP. THIS FIBER OPTIC PULL BOX SHALL HAVE A 10' GROUNDING ROD AND CONNECTING WIRE (EXOTHERMICALLY WELDED), TO THE COMMUNICATIONS CABLE SHIELD WITHIN THE CABINET. FIBER OPTIC PULL BOXES SHALL NOT CONTAIN ELECTRICAL CONDUCTORS OTHER THAN THE SPECIFIED WIRE. FIBER OPTIC PULL BOX COVERS SHALL BE STAMPED "BROWARD COUNTY TRAFFIC FIBER OPTICS". PULL BOXES SHALL BE INSTALLED WITH A MINIMUM 12" WIDE, 6" DEEP CONCRETE APRON, OUTWARDLY SLOPED, PER FDOT STANDARD INDEX 17700 A (INTERIM). THE MINIMUM 28-DAY COMPRESSIVE STRENGTH REQUIREMENT FOR THIS CONCRETE IS 3,000 PSI. THE CRUSHED STONES BED BENEATH THE PULL BOX SHALL BE AT A MINIMUM OF 12" DEEP AND HAVE A 12" WIDE APRON AROUND THE BOTTOM OF THE PULL BOX (I.E. THE BOX SHALL SIT ON THE COMPACTED BED OF CRUSHED STONES AS SHOWN IN FDOT INDEX 17700). THE FOUNDATION MATERIAL BENEATH THE CRUSHED STONE BED SHALL BE COMPACTED, TO THE COUNTY'S APPROVAL. THE AREA TO BE COMPACTED IS, BUT NOT LIMITED TO THAT AREA UNDER THE CRUSHED STONE BED, THE MATERIAL ABOVE THE CRUSHED STONE BED, AND 1' OUTSIDE THE PULL BOX APRON SHALL BE COMPACTED PRIOR TO PLACING CONCRETE. CONCRETE FORMS, PLACING CONCRETE, JOINTS, AND FINISHING SHALL MEET SECTION 520-3, 520-5, 522-5, & 522-7, RESPECTIVELY.

639-1-122 INCLUDES THE COST OF PROVIDING CONCRETE STUB POLE TO MOUNT SIGNAL DISCONNECT. STUB POLE SHALL BE EXPOSED 10' ABOVE GRADE WITH DISCONNECT MOUNTED AT 8' TO BOTTOM. DISCONNECT SHALL USE BREAKERS, NO FUSES OR EXTERNAL SWITCHES PERMITTED. SURGE ARRESTOR SHALL BE WIRED ON THE LOAD SIDE OF THE DISCONNECT. CONTRACTOR SHALL COORDINATE WITH FPL'S BARRY THOMPSON AT 954-956-2031 4-6 WEEKS PRIOR TO TAPPING INTO POWER SERVICE.

650-1-311 & 650-1-511 ALL TRAFFIC SIGNAL HEADS SHALL BE STANDARD, NOT LIGHTWEIGHT. RETRO REFLECTIVE BACK PLATE BORDERS ARE REQUIRED ON ALL BACK PLATES FOR ALL APPROACHES.

653-191 LED PEDESTRIAN SIGNALS ARE TO BE SINGLE SECTION AND PROVIDED WITH INTERNATIONAL STYLE LENSES AND COUNTDOWN FEATURES.

660-4-12 VIDEO DETECTORS SUPPLIES SHALL MEET BCTED FUNCTIONALITY REQUIREMENTS. SUNSHIELDS SHALL BE PROVIDED ON EACH VIDEO CAMERA, A MENU-DRIVEN INTERFACE REQUIRING NO SEPARATE COMPUTER FOR SET-UP OR MAINTENANCE SHALL BE PROVIDED. VIDEO CAMERAS SHALL BE COLOR, AND SEALED PRESSURIZED HOUSING. THIS PAY ITEM SHALL ALSO INCLUDE LIGHTNING AND SURGE PROTECTION CONSISTING OF POINT DISCHARGE DISSIPATION TERMINALS ON EACH CAMERA, COAX LINE PROTECTORS AND CAMERA PROTECTORS. PROPER GROUNDING MUST BE PROVIDED INCLUDING A BOND WIRE ATTACHED TO THE CAMERA ASSEMBLY RUNNING TO THE POLE GROUND, THIS ITEM INCLUDES EXTERIOR USE CABLING, AND MOUNTING BRACKETS NECESSARY TO MEET THE PERFORMANCE EXPECTATIONS OF THE SYSTEM AS DESCRIBED IN THE SIGNAL GENERAL NOTES. PAYMENT INCLUDES ALL LABOR (MAN-HOURS) AND EQUIPMENT NECESSARY TO DEVELOP AN ACCEPTANCE TESTING PLAN AND TO COMPLETE A SUCCESSFUL VIDEO DETECTION ACCURACY TEST A.K.A. FIELD ACCEPTANCE TEST OF THE VIDEO DETECTION SYSTEM.

663-1-120: CONTRACTOR TO FURNISH AND INSTALL GLOBAL TRAFFIC TECHNOLOGIES GPS RECEIVER AND ANTENNA. ANTENNA TO BE RIGIDLY AFFIXED TO MAST ARM WITH VERTICAL SUPPORT POLE AND BRACKETS IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. COUNTY WILL PERFORM SIGNAL TESTING, MAPPING AND SYSTEM ACTIVATION. CONTRACTOR TO FURNISH AND INSTALL GLOBAL TRAFFIC TECHNOLOGIES FIRE-RESCUE GPS PRE-EMPTION CONTROLLER INTERFACE MODULE. CONTRACTOR TO COORDINATE WITH COUNTY FOR LATEST SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. COUNTY TO PERFORM FINAL SET-UP AND SOFTWARE PROGRAMMING.

663-1-122: CONTRACTOR TO FURNISH AND INSTALL PRE-EMPTION DETECTOR PUSHBUTTON COMPATIBLE WITH GLOBAL TRAFFIC TECHNOLOGIES GPS RECEIVER NEXT TO EACH DOOR FROM THE LIVING QUARTERS TO THE APPARATUS BAY. EXACT LOCATION OF THE DETECTOR PUSHBUTTONS WILL BE COORDINATED WITH THE OWNER, PRIOR TO INSTALLATION.

PAY ITEM NOTES (CONTINUED)

665-1-11 PEDESTRIAN PUSH BUTTON PLACEMENT SHALL FOLLOW MUTCD SECTION 4E.08. PAY ITEM INCLUDES A MUTCD PEDESTRIAN SIGN, FTP-68B-06 FOR EACH BUTTON. THE BUTTON AND SIGN SHALL BE PLACED ON THE FACE OF THE UPRIGHT OR PEDESTRIAN POST. CONTACT THE ENGINEER BEFORE PROCEEDING IF ALL A.D.A. REQUIREMENTS CANNOT BE MET.

670-5-132 THE CONTROLLER ASSEMBLY SHALL CONSIST OF A 2070 CONTROLLER WITH VERSION 76 FIRMWARE AND A TS2 TYPE 1 SHELF MOUNTED WITHIN A TYPE VI CONTROLLER CABINET WITH FRONT AND BACK DOORS (SPECIAL NOTE: IF THERE IS LIMITED SIDEWALK ADA CLEARANCE, A REDUCED DEPTH TYPE VI CABINET CAN BE USED WITH PRIOR APPROVAL FROM BCTED). EQUIPMENT USED MUST BE CERTIFIED FROM THE FDOT APL LIST. THIS 2070 CONTROLLER SHALL PROVIDE TOTAL UTILITY AND INTEROPERABILITY WITH BCTED'S UTCS COMPUTER SYSTEM. THE CABINET SHALL INCLUDE A MINIMUM OF FOURTEEN (14) LOAD SWITCH BAYS AND ACCOMMODATIONS FOR THE VIDEO DETECTION SYSTEM. THE CABINET AIR FILTER SHALL BE OF THE REUSABLE WASHABLE ALUMINUM TYPE. THE TOP OF THE CONTROLLER PAD SHALL BE AT LEAST SIX INCHES ABOVE THE ROADWAY ELEVATION. A FLUSH MOUNTED AUTOMATIC POWER TRANSFER SWITCH SHALL BE INCLUDED ON THE CABINET. A TECHNICIAN SERVICE PAD 30" IN WIDTH SHALL ALSO BE PROVIDED. WHENEVER POSSIBLE, THE CABINET IS TO BE PLACED SO THAT THE DOOR OPENS AWAY FROM THE INTERSECTION AND OPENS FULLY WITHIN THE RIGHT OF WAY. THIS PAY ITEM INCLUDES THE COST OF THE CONCRETE FOR THE CONTROLLER PAD AND THE SERVICE PAD.

700-5-22 ILLUMINATED STREET SIGNS SHALL BE LED TYPE, PRODUCING A MINIMUM OF 50 LUMENS PER WATT. SIGNS SHALL BE SINGLE-SIDED AND RIGIDLY AFFIXED TO MAST ARMS.

MAINTENANCE OF TRAFFIC - SCHOOL/PEDESTRIAN

THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS.

THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. IF THE CURRENT WALKING SURFACE CANNOT BE MAINTAINED, THEN A TEMPORARY ROAD-ROCK # WALK WAY SHALL BE CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY BY THE # HIGH ORANGE CONSTRUCTION FENCE FOR THE ENTIRE LENGTH OF THE PROJECT OR THE LENGTH OF THE WALK ROUTE, WHICHEVER IS LESS.

ALL CONSTRUCTION EQUIPMENT AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. ALL CONSTRUCTION EQUIPMENT ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.

IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THEN THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER THAT AN ALTERNATE CROSSING/ROUTE CAN BE ESTABLISHED.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKING AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL CROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ANY LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAGMEN, ONLY IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.

THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL SAFETY MEETING.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE BROWARD COUNTY SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT TO ARRANGE A PRE-CONSTRUCTION SCHOOL BUS ROUTE MEETING AT THE FOLLOWING:

- RUTH MASTERS ROUTING (754) 321-4400 EXT. # 2309 RUTH.MASTERS@BROWARD.SCHOOLS.COM
- VINCENT HARRELL STUDENT TRANSPORTATION & FLEET SERVICE (754) 321-4472 VINCENT.HARRELL@BROWARDSCHOOLS.COM
- MARY TOCHTERMANN STUDENT TRANSPORTATION & FLEET SERVICE (754) 321-4400 EXT. # 2006 MARY.TOCHTERMANN@BROWARDSCHOOLS.COM

THIS MEETING IS TO DETERMINE ALL BUS ROUTES AND TO MAKE ANY NECESSARY ARRANGEMENTS FOR REROUTING. THIS MEETING SHALL INCLUDE THE SPECIAL PROJECTS COORDINATOR FROM BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A SAFE AND ADEQUATE WALKING SURFACE FOR ALL SCHOOL CHILDREN/PEDESTRIANS. THE SAFE WALK ROUTE SHALL BE PART OF THE MAINTENANCE OF TRAFFIC PLAN.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN APPROVED MAINTENANCE OF TRAFFIC PLAN (MOT), INCLUDING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS, THROUGH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THE CONDITIONS OUTLINED IN THE MOT ARE IN FORCED AND FULLY EFFECTIVE AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH ALL THE REQUIREMENTS OF THE APPROVED MOT, INCLUDING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS.

THE CONTRACTOR SHALL ENSURE THAT THERE ARE NO SPEED LIMIT SIGNS INSTALLED WITHIN THE DESIGNATED REDUCED SCHOOL ZONE, AT ANY TIME THROUGHOUT THE PROJECT.



<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			DATE	DESCRIPTION														<p>482 SOUTH KELLER ROAD ORLANDO, FLORIDA 32810 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 PAUL J. MANNIX, P.E. 57712</p>		<p>PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION</p> <table border="1"> <thead> <tr> <th>CITY</th> <th>INTERSECTION</th> <th>COUNTY PROJECT NO.</th> </tr> </thead> <tbody> <tr> <td>COCONUT CREEK</td> <td>COCONUT CREEK PKWY AT NW 45TH AVE</td> <td>140828001</td> </tr> </tbody> </table>			CITY	INTERSECTION	COUNTY PROJECT NO.	COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001	<p>GENERAL NOTES</p>	<p>SHEET NO.</p>
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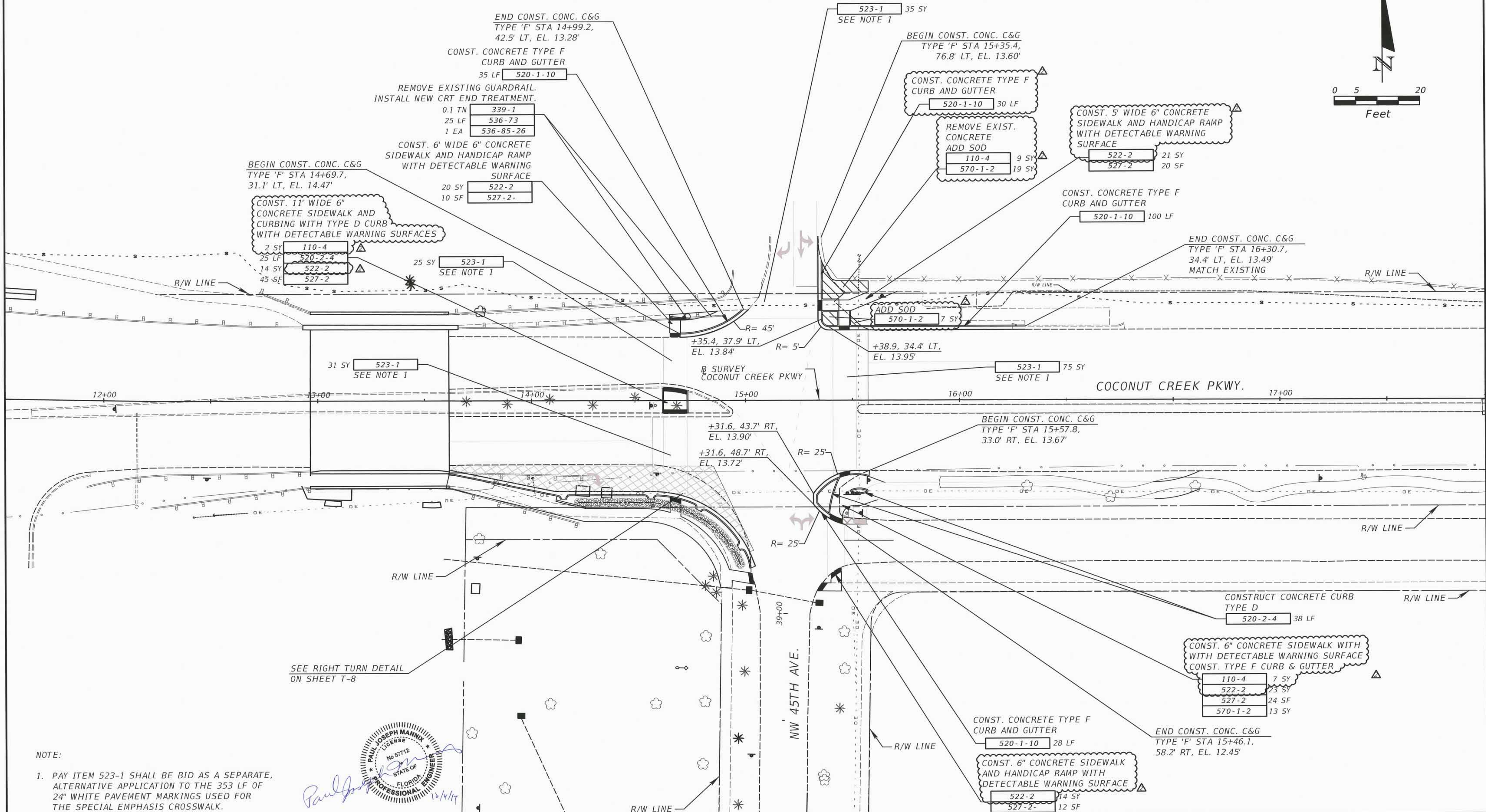
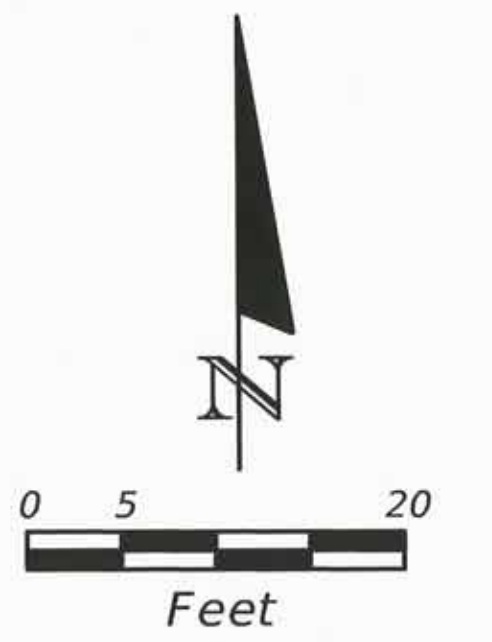
**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
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PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**PROJECT LOCATION SHEET**

SHEET NO.
T-6



SEE RIGHT TURN DETAIL ON SHEET T-8

- NOTE:
1. PAY ITEM 523-1 SHALL BE BID AS A SEPARATE, ALTERNATIVE APPLICATION TO THE 353 LF OF 24" WHITE PAVEMENT MARKINGS USED FOR THE SPECIAL EMPHASIS CROSSWALK.



REVISIONS	
DATE	DESCRIPTION
09/10/14	UPDATE CONCRETE AND DETECTABLE WARNING QUANTITY. ADD SOD QUANTITY.
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

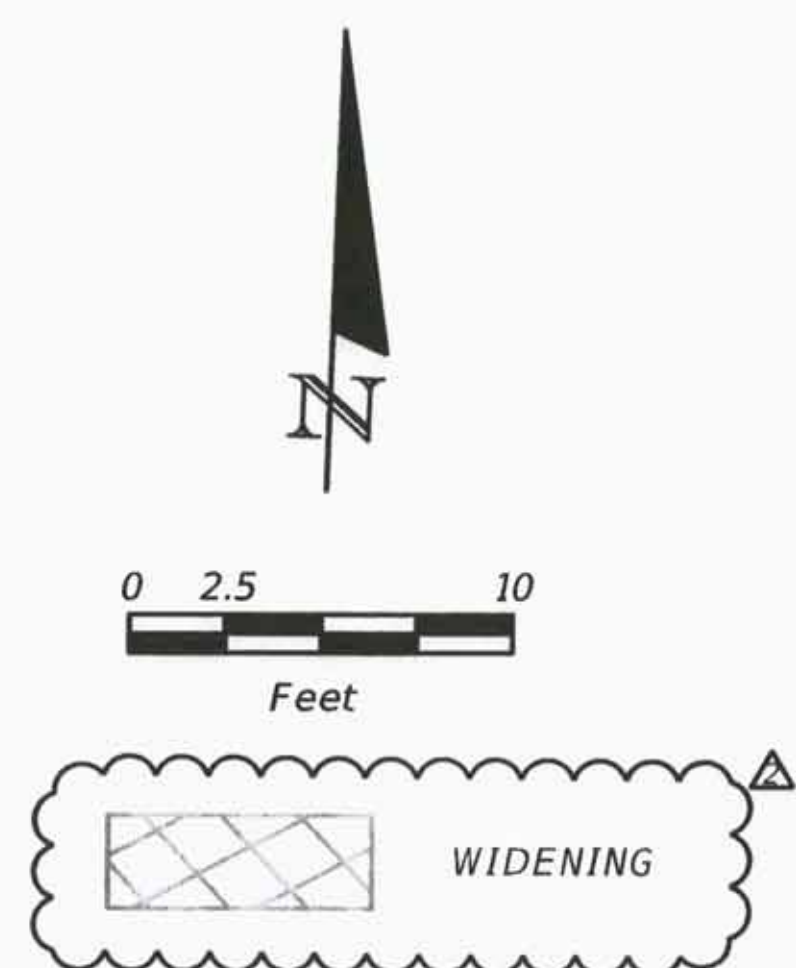
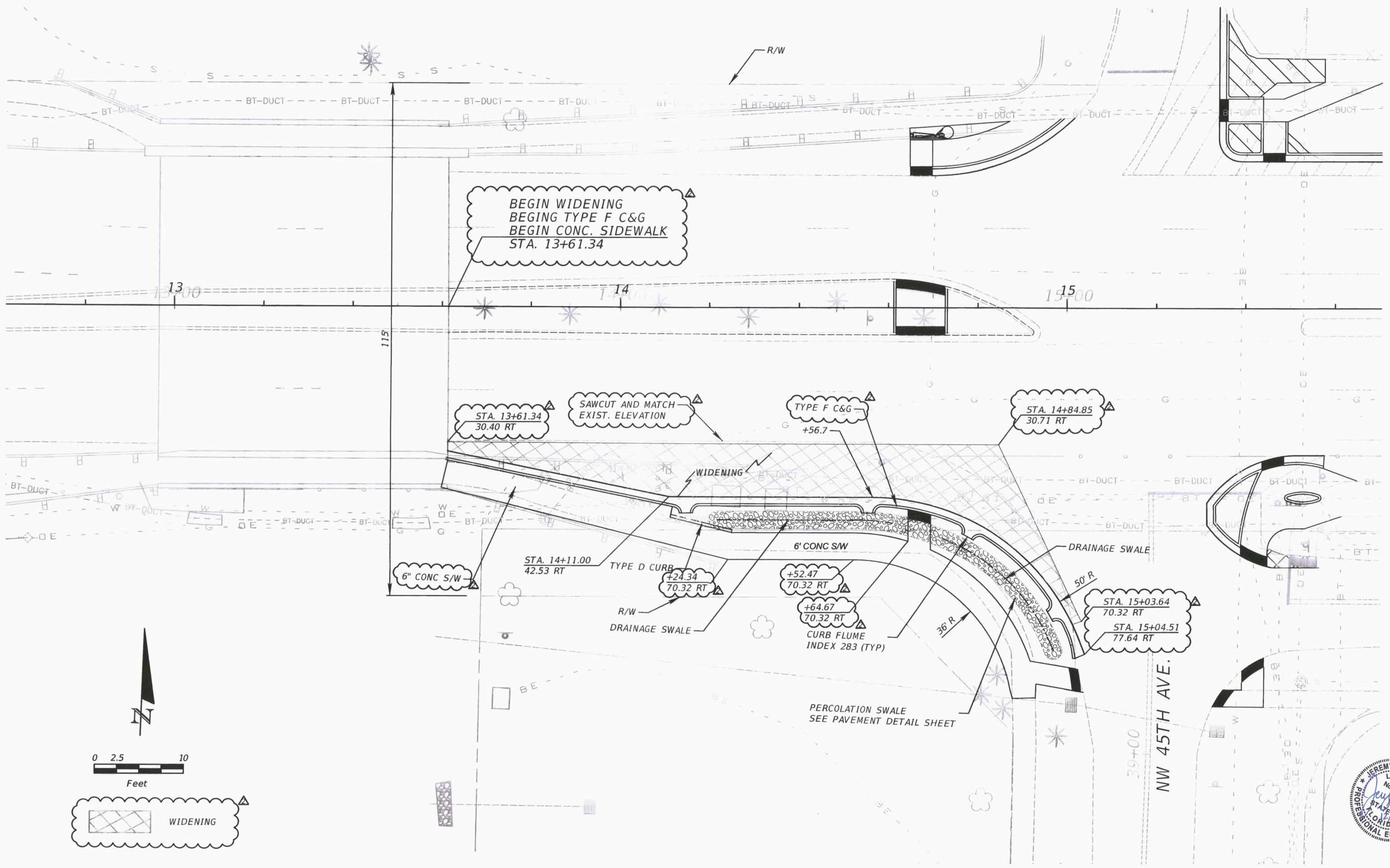
**COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**ROADWAY PLAN**

SHEET NO. T-7



REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 2001 NW 107TH AVENUE  
 MIAMI, FLORIDA 33172  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 JEREMY J. BOURDON, P.E. 59933

**COCONUT CREEK**  
 FLORIDA

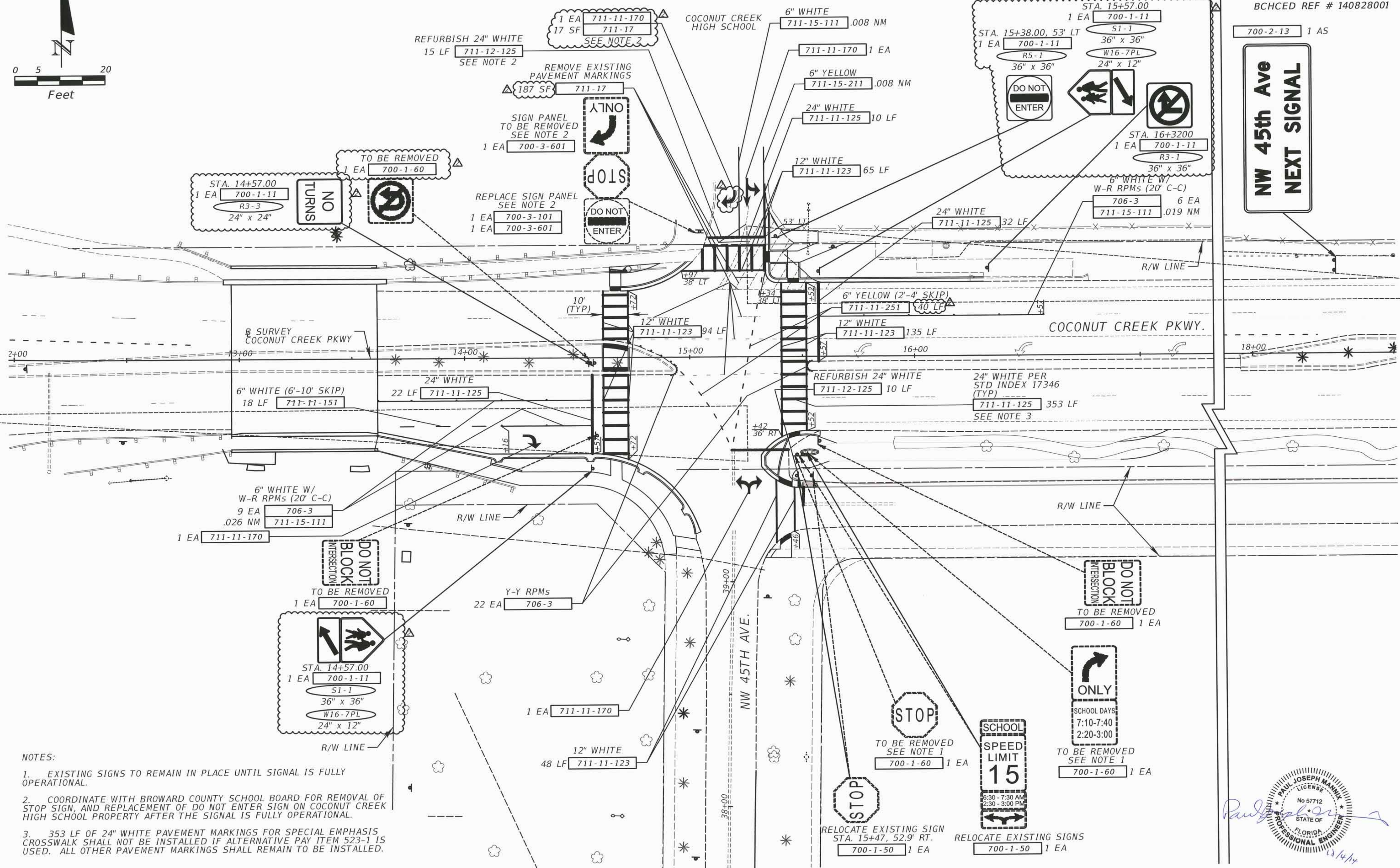
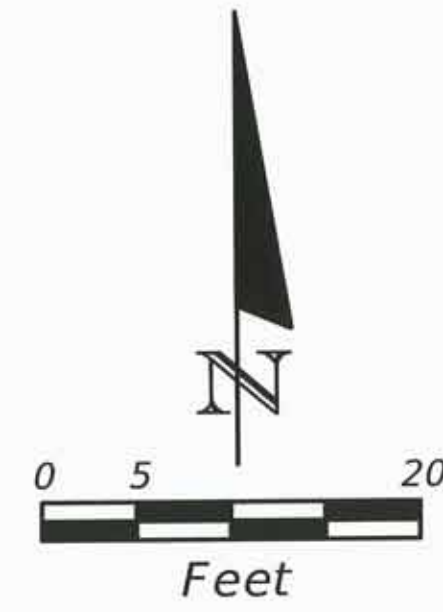
PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**RIGHT TURN LANE DETAIL SHEET**

SHEET NO.	T-8
-----------	-----

NW 45th Ave  
NEXT SIGNAL



NOTES:

- EXISTING SIGNS TO REMAIN IN PLACE UNTIL SIGNAL IS FULLY OPERATIONAL.
- COORDINATE WITH BROWARD COUNTY SCHOOL BOARD FOR REMOVAL OF STOP SIGN, AND REPLACEMENT OF DO NOT ENTER SIGN ON COCONUT CREEK HIGH SCHOOL PROPERTY AFTER THE SIGNAL IS FULLY OPERATIONAL.
- 353 LF OF 24" WHITE PAVEMENT MARKINGS FOR SPECIAL EMPHASIS CROSSWALK SHALL NOT BE INSTALLED IF ALTERNATIVE PAY ITEM 523-1 IS USED. ALL OTHER PAVEMENT MARKINGS SHALL REMAIN TO BE INSTALLED.



REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
 FLORIDA

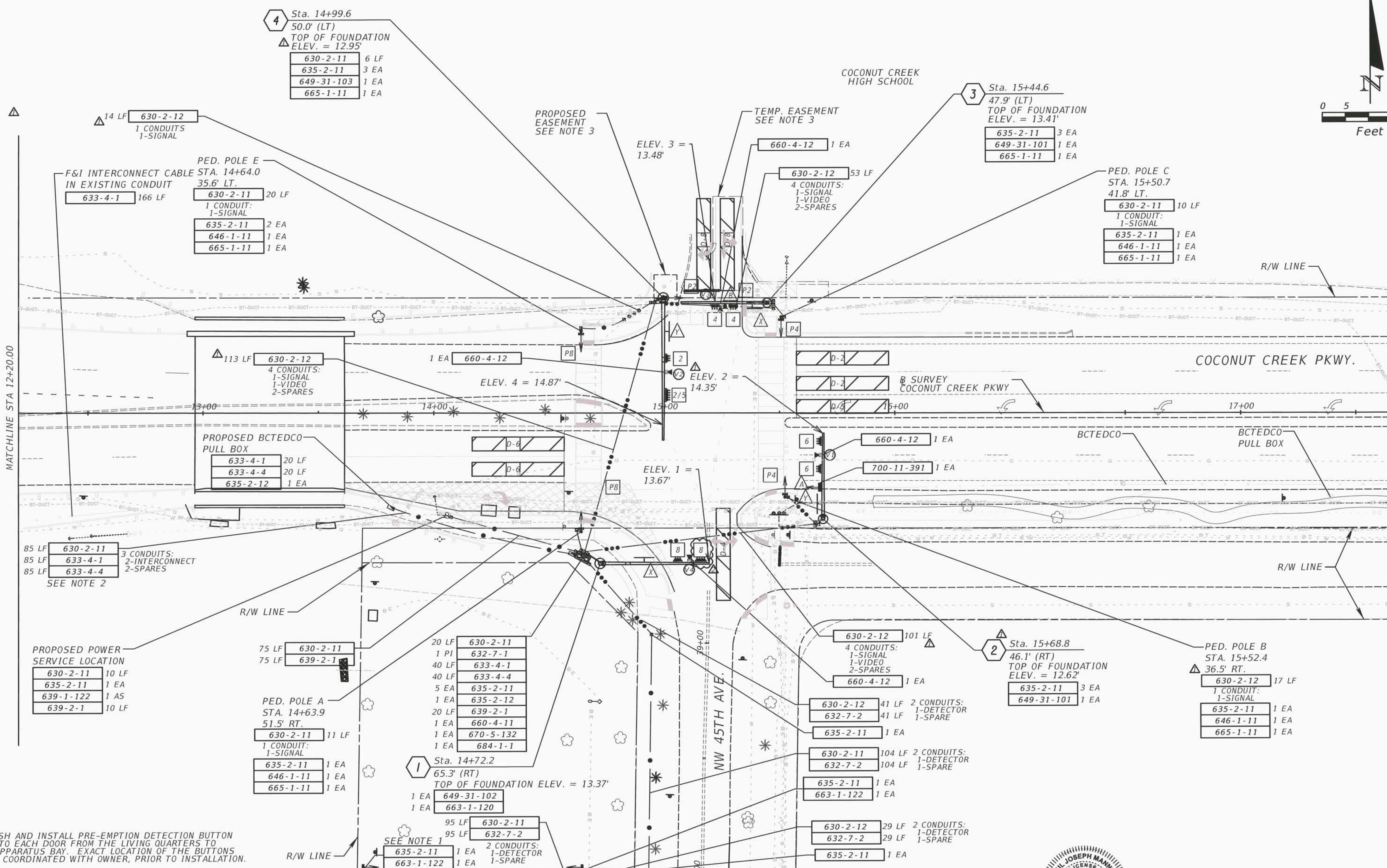
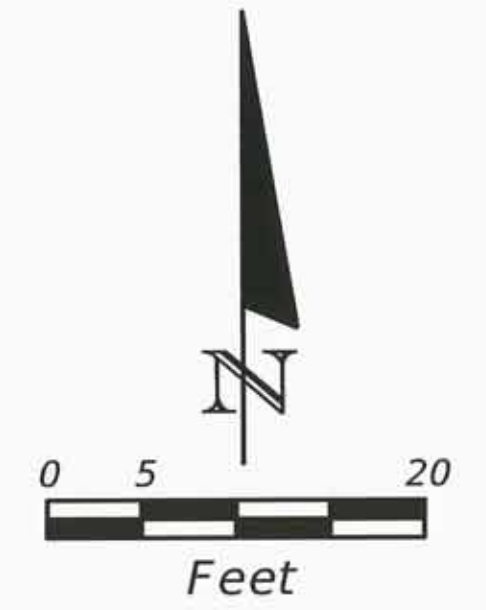
**PUBLIC WORKS DEPARTMENT**  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**SIGNING & MARKING PLAN**

SHEET NO.  
T-9





- NOTE:
- FURNISH AND INSTALL PRE-EMPTION DETECTION BUTTON NEXT TO EACH DOOR FROM THE LIVING QUARTERS TO THE APPARATUS BAY. EXACT LOCATION OF THE BUTTONS TO BE COORDINATED WITH OWNER, PRIOR TO INSTALLATION.
  - DISCONNECT COPPER INTERCONNECT FROM CABINET AT LYONS RD AND RECONNECT AT NEW CABINET WITH THE APPROPRIATE LENGTH OF SLACK. FURNISH AND INSTALL NEW COPPER INTERCONNECT FROM NEW CABINET TO CABINET AT LYONS ROAD THROUGH EXISTING CONDUIT.
  - SEE SHEET T-15 FOR TEMPORARY AND PROPOSED EASEMENT DIMENSIONS.



REVISIONS	
DATE	DESCRIPTION
09/10/14	MOVE MAST ARMS 2 AND 4.
11/03/14	CONSTRUCTION ISSUE SET

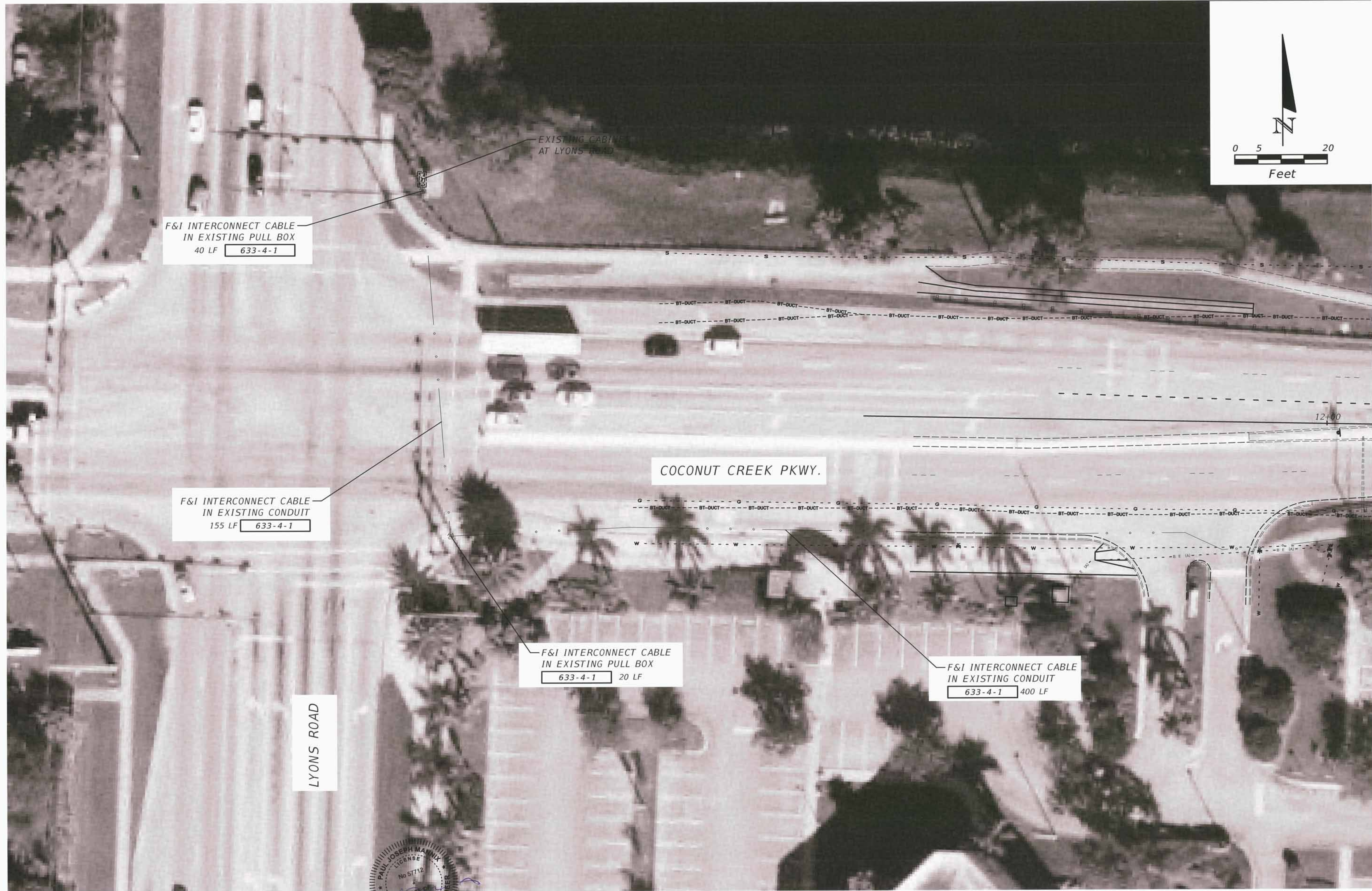
**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**SIGNALIZATION PLAN**

SHEET NO.  
T-10



Paul J. Mannix, P.E.

REVISIONS	
DATE	DESCRIPTION

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

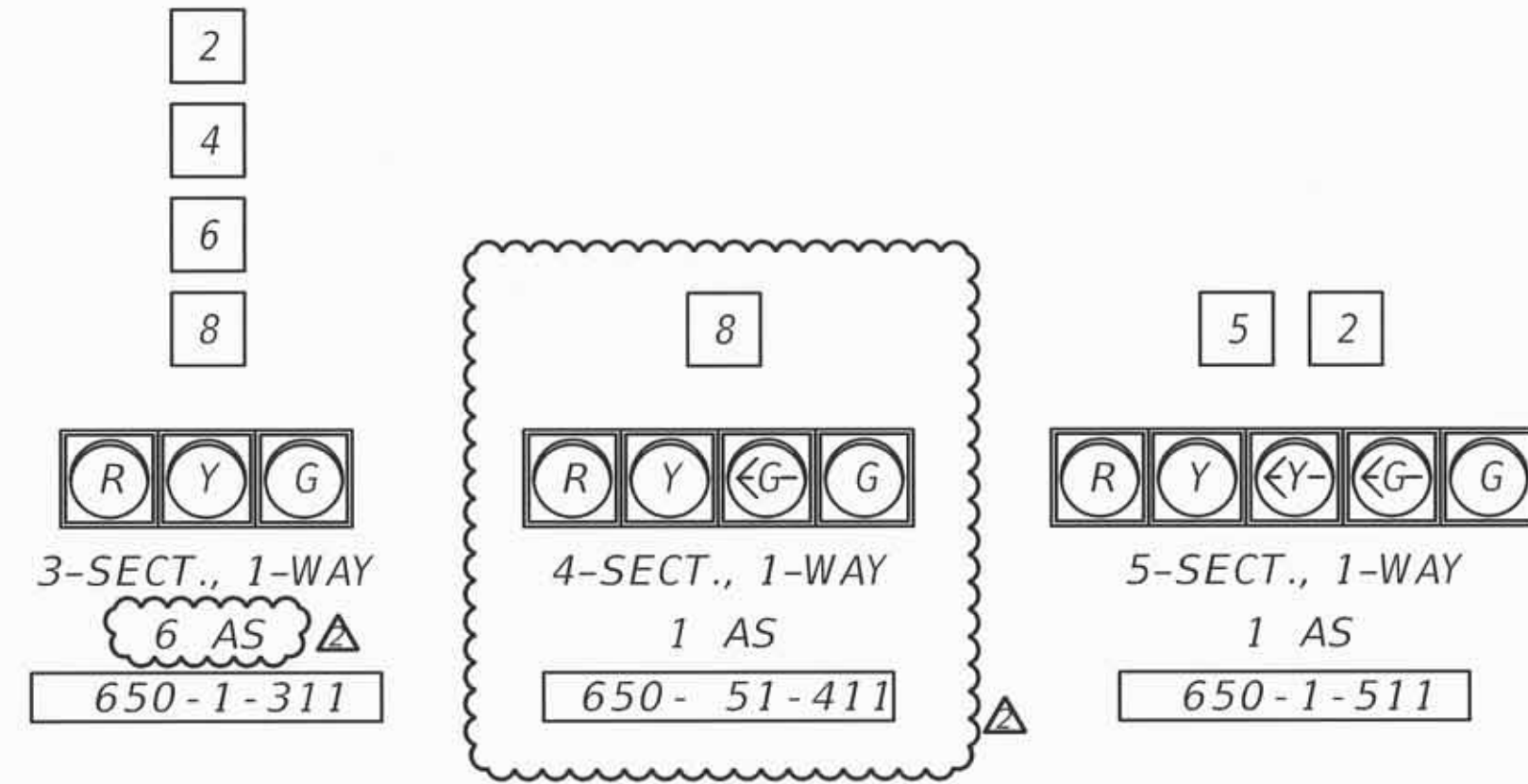
**COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

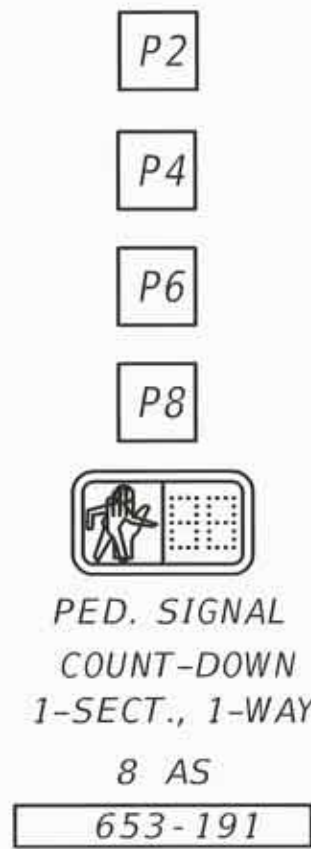
**SIGNALIZATION PLAN**

SHEET NO.
T-10A

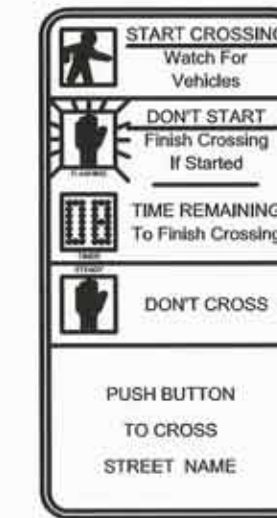
SIGNAL HEAD DETAILS



PEDESTRIAN HEAD DETAILS



PEDESTRIAN DETECTOR SIGN



FTP-68B-06, 8 REQUIRED (INCLUDED W/ 665-1-11)

OVERHEAD STREET NAME SIGN DETAILS



SIGN X  
SINGLE-SIDED LED INTERNALLY ILLUMINATED SIGN  
700-5-22 2 EA



SIGN Y  
SINGLE-SIDED LED INTERNALLY ILLUMINATED SIGN  
700-5-22 2 EA

CONTROLLER TIMINGS

CONTROLLER PHASE	1	2	3	4	5	6	7	8
SIGNAL PHASE NUMBER	-	1	-	4	1	2	-	3
DIRECTION	EBL	WB	SBL	NB	WBL	EB	NBL	SB
MINIMUM GREEN	-	10	-	4	5	10	-	4
EXTENSION	-	3.0	-	3.0	3.0	3.0	-	3.0
MAXIMUM GREEN 1	-	49	-	28	8	40	-	25
MAXIMUM GREEN 2	-	-	-	-	-	-	-	-
YELLOW CLEARANCE	-	3.0	-	4.0	3.0	3.0	-	4.0
ALL RED	-	2.0	-	2.0	2.0	2.0	-	2.0
PEDESTRIAN WALK	-	7	-	7	-	-	-	7
PED. CLEARANCE	-	12	-	21	-	-	-	18
RECALL	-	MIN	-	OFF	OFF	MIN	-	OFF

TIMINGS ARE INITIAL AND MAY REQUIRE ADJUSTING.

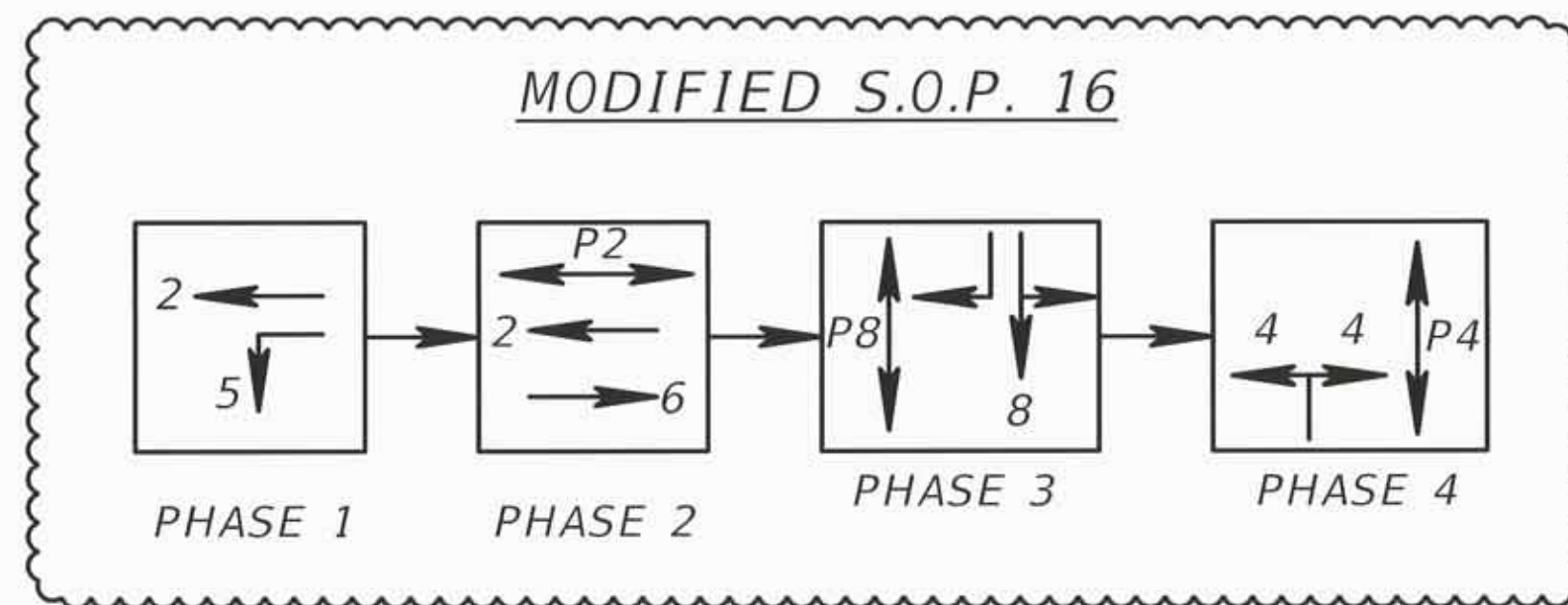
OVERHEAD BLANK-OUT SIGN



SIGN A

R3-1  
2' X 2'

ELECTRONIC DISPLAY SIGN



NOTES:

- CONTROLLER NOTES:  
- MAJOR STREET IS COCONUT CREEK PKWY. (MOVEMENTS 2 AND 6)  
- MINOR STREET IS NW 45TH AVE. (MOVEMENT 4 AND 8)
- POSTED SPEED LIMITS ARE AS FOLLOWS:  
- COCONUT CREEK PKWY. = 35 MPH  
- NW 45TH AVE. = 25 MPH
- VIDEO DETECTION ZONES SHALL BE 6' X 60', 10' BEYOND STOP BAR, FOR ALL MOVEMENTS.
- WHEN IN FLASH MODE, SIGNAL HEADS 2 AND 6 SHALL FLASH YELLOW, SIGNAL HEADS 4 AND 8 SHALL FLASH RED, ALL FIVE SECTION HEADS SHALL FLASH THE SAME COLOR AS THE THROUGH MOVEMENT OF THE INTENDED APPROACH.
- SIGNAL CABINET TO BE WIRED FOR SOP 5.

OVERHEAD SIGN DETAIL



SIGN B

R3-27  
2' X 2'

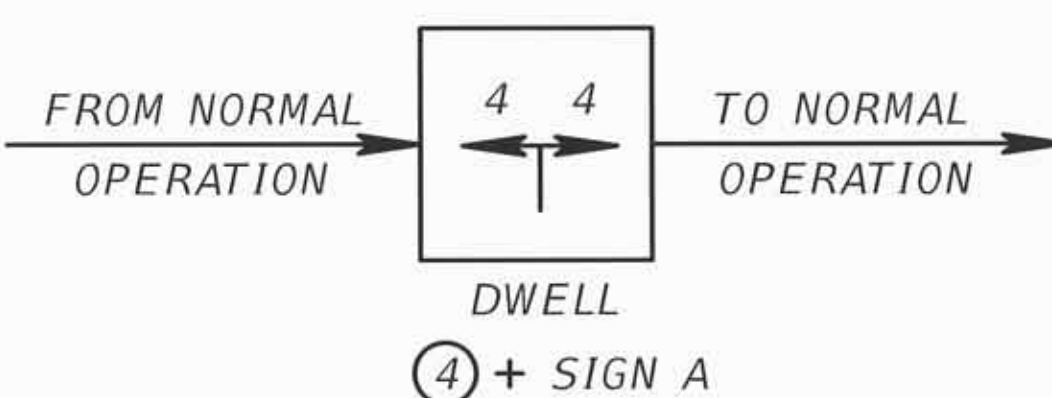
700-3-201 1 EA

VIDEO DETECTOR ASSIGNMENTS

VIDEO DETECTOR UNIT #	DETECTOR OPERATION	ASSIGNED TO MOVEMENT	CONNECTED TO TIMING FUNCTION
V-1	NORMAL	D-6	6
V-2	NORMAL	D-2 & D-5	2, 5
V-3	NORMAL	D-4	4
V-4	NORMAL	D-8	8

SEE GENERAL NOTES FOR DETECTION ZONES

EMERGENCY VEHICLE PREEMPTION



PRE-EMPTION TIMINGS

MINIMUM GREEN BEFORE PRE-EMPTION	2.0
YELLOW CLEARANCE	3.0
ALL RED CLEARANCE	2.0
MINIMUM DWELL	45
YELLOW CLEARANCE	4.0
ALL RED CLEARANCE	2.0



REVISIONS

DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**

482 SOUTH KELLER ROAD  
ORLANDO, FLORIDA 32810  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
PAUL J. MANNIX, P.E. 57712



PUBLIC WORKS DEPARTMENT  
HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

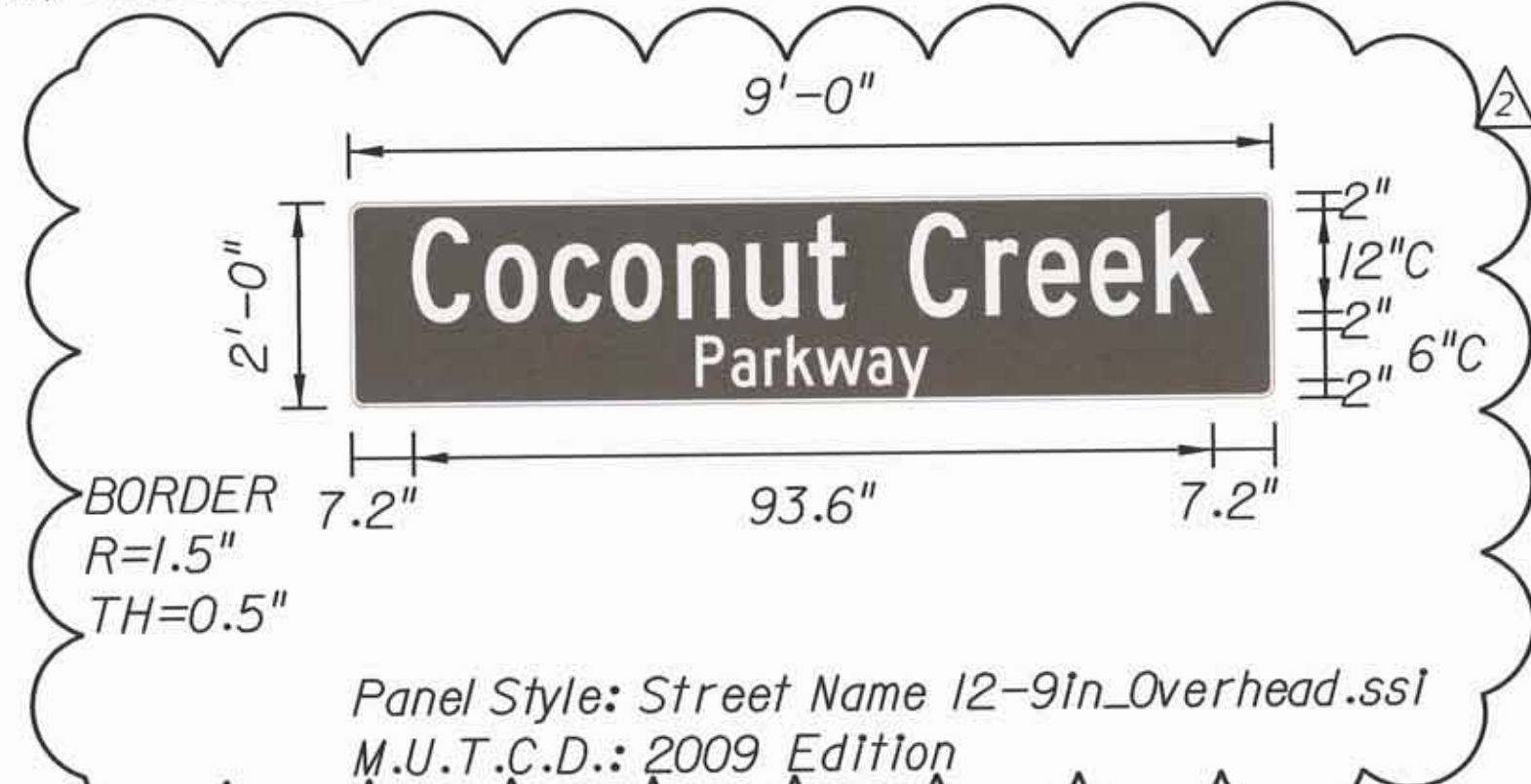
**SIGNALIZATION PLAN**

SHEET NO.

T-11

SIGN NAME	SIGN X	QTY	SIGN NUMBER	STATION(S)
PANEL	BORDER			
WIDTH	WIDTH			
HEIGHT	RADII			
LEGEND	COLOR			
COLOR				
SYMBOL(S)	ANGLE	X	Y	WID HT

SIGN ASSEMBLY SHALL BE A SINGLE-PANEL, ONE-WAY, INTERNALLY ILLUMINATED LED STREET NAME SIGN ASSEMBLY.

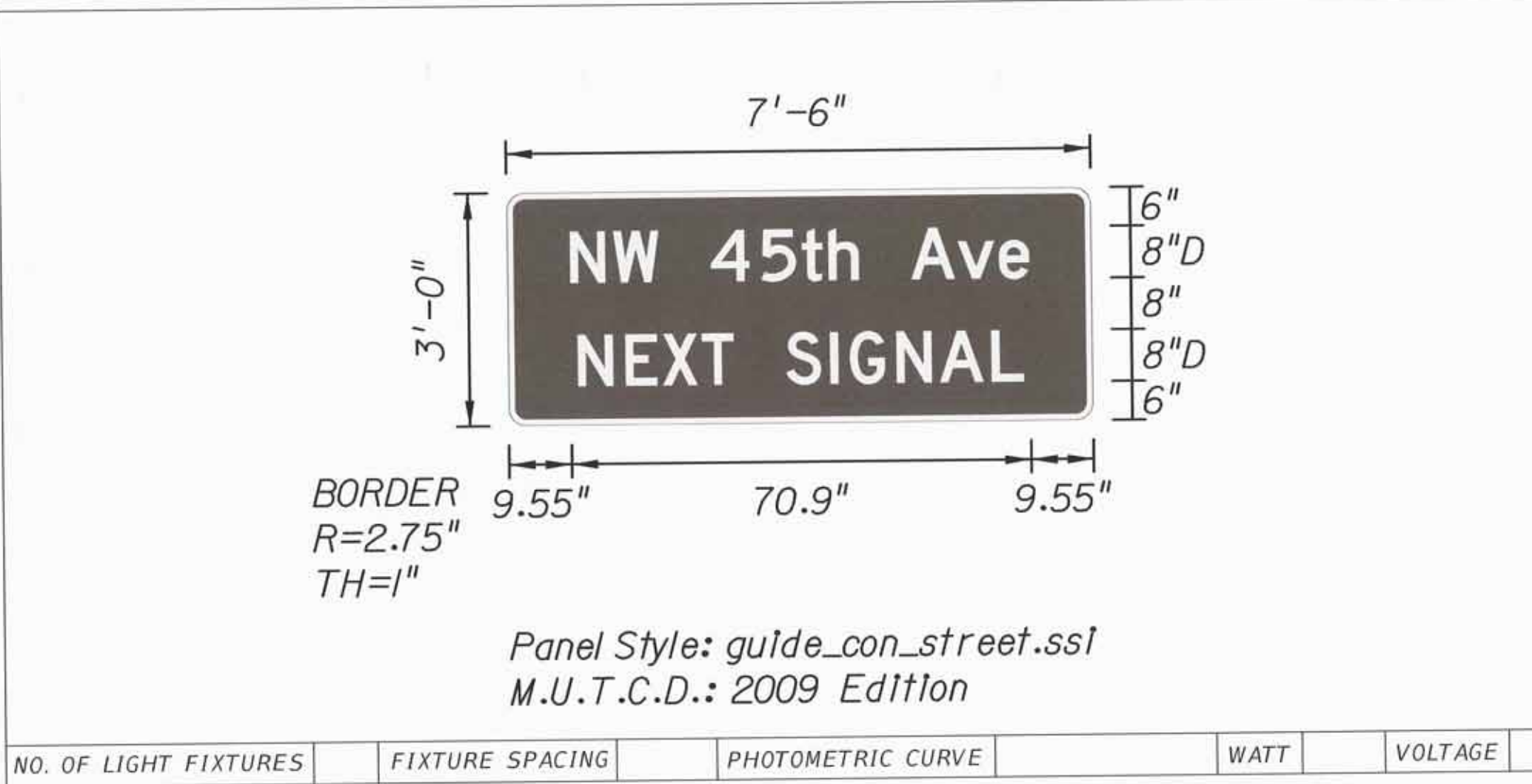


SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH
	Edge Of Lane		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY SPACE	C	o	c	o	n	u	t	C	r	e	e	k	L			
	7.2	8.5	7.6	7.1	7.9	8	7.3	4.3	7.5	8.9	4.9	7.4	7.7	6.5	7.2	93.5
COPY SPACE	P	a	r	k	w	a	y	L								
	40.4	4.1	3.9	2.6	3.4	6	3.5	3.7	40.4	27.2						

SIGN NAME	D3-2	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID HT	



SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH
	Edge Of Lane		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY SPACE	N	W	4	5	t	h	A	v	e	L				
	9.6	6.6	7.1	8	7.8	6.3	4.1	4.7	8	7.2	6.3	4.7	9.6	70.9
COPY SPACE	N	E	X	T	S	I	G	N	A	L	L			
	10.6	7.4	5.8	6.1	5	8	6.8	3	7.2	6.6	8	5	10.6	68.8

Paul Joseph Mannix  
 LICENSE  
 No. 57712  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 12/4/14

SIGN NAME	SIGN Y	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID HT	

SIGN ASSEMBLY SHALL BE A SINGLE-PANEL, ONE-WAY, INTERNALLY ILLUMINATED LED STREET NAME SIGN ASSEMBLY.



SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH
	Edge Of Lane		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY SPACE	N	W	4	5	t	h	A	v	e	L				
	6.3	8.4	9.1	7.5	9.2	7.7	5.5	6.1	7.5	8.3	8	6.1	6.3	83.4

SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID HT	

SIGN NUMBER	CLEARANCE	COLUMN SIZE	AVERAGE LENGTH
	Edge Of Lane		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY SPACE										
------------	--	--	--	--	--	--	--	--	--	--

REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
 FLORIDA

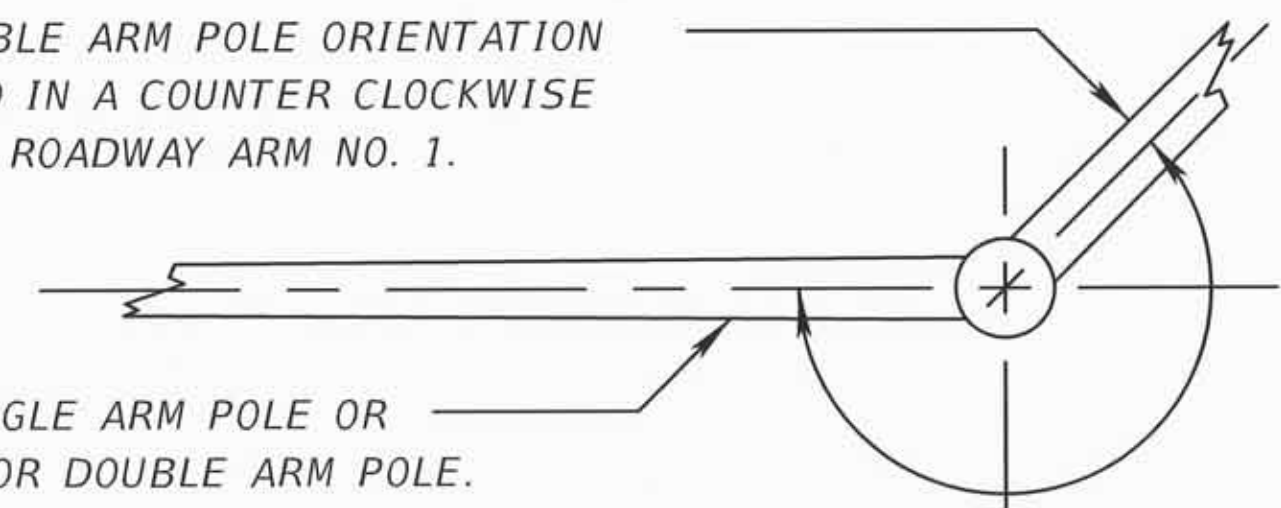
**PUBLIC WORKS DEPARTMENT**  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY: COCONUT CREEK INTERSECTION: COCONUT CREEK PKWY AT NW 45TH AVE COUNTY PROJECT NO.: 140828001

**GUIDE SIGN WORKSHEET**

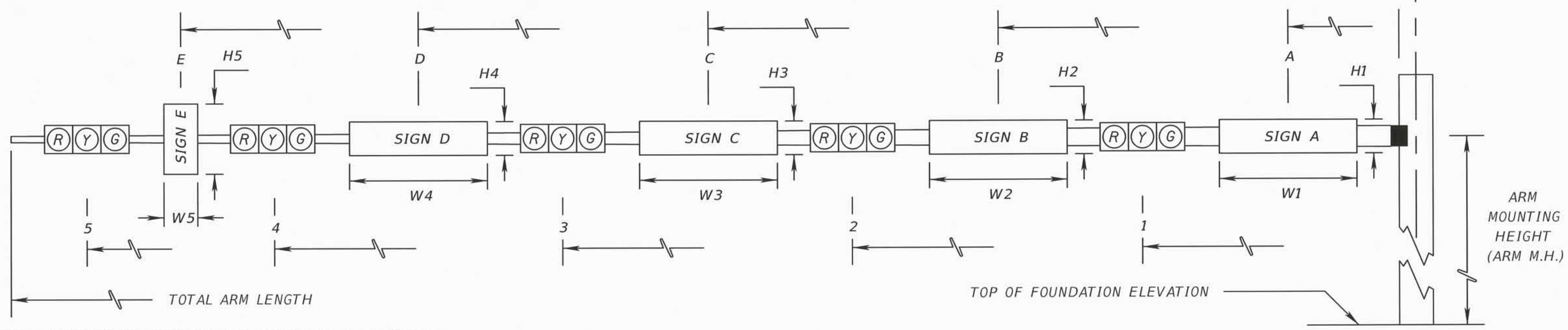
SHEET NO.  
T-12

ARM NO. 2 - DOUBLE ARM POLE ORIENTATION TO BE MEASURED IN A COUNTER CLOCKWISE DIRECTION FROM ROADWAY ARM NO. 1.



ARM NO. 1 - SINGLE ARM POLE OR LONGEST ARM FOR DOUBLE ARM POLE.

SPECIAL INSTRUCTIONS			
ID NO.	PED. BUTTON	PED. SIGNALS	HANDHOLE LOCATION



\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY  
 \*\* FOR THE FUTURE-LOADING WITH PROTECTED ONLY FOR LEFT TURN MOVEMENTS

ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUNDATION ELEVATION	RDWY ARM NO.	CROWN ELEV.	SIGNAL DATA										VIDEO DATA		SIGN DATA										PAINT COLOR								
						SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE										TOTAL ARM LENGTH	ARM M.H.	ARM TYPE	DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN														
									1	*	2	*	3	*	4	*	5	*				1	2	A	H1	W1	B		H2	W2	C	H3	W3	D	H4	W4
#	T-7	14+72.2, 65.3' RT	13.37'	1	13.67'	H	Y	N	32.3	3	42.3	4					37.3	46	21																	SOLAR BLACK
2	T-7	15+63.9, 46.8' RT	12.62'	1	14.35'	H	Y	N	20.5	3	32.5	3					26.5	36	22																SOLAR BLACK	
3	T-7	15+42.7, 44.9' RT	13.41'	1	13.48'	H	Y	Y	13.4	3	21.4	3					18.9	36	21																SOLAR BLACK	
4	T-7	14+99.6, 50.0' LT	12.95'	1	14.87'	H	Y	Y	24.4	3	40.4	5					30.4	60	22																SOLAR BLACK	
** 4	T-7	14+99.6, 50.0' LT	12.95'	1	14.87'	H	Y	Y	24.4	3	35.4	3	45.4	3			30.4	60	22																SOLAR BLACK	

Paul Joseph Mannix  
 12/14/14  
 PROFESSIONAL ENGINEER  
 FLORIDA  
 No. 57712

REVISIONS	
DATE	DESCRIPTION
09/10/14	ADD MAST ARM MOUNTING HEIGHTS. MOVE MAST ARMS 2 AND 4.
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
 FLORIDA

**PUBLIC WORKS DEPARTMENT**  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

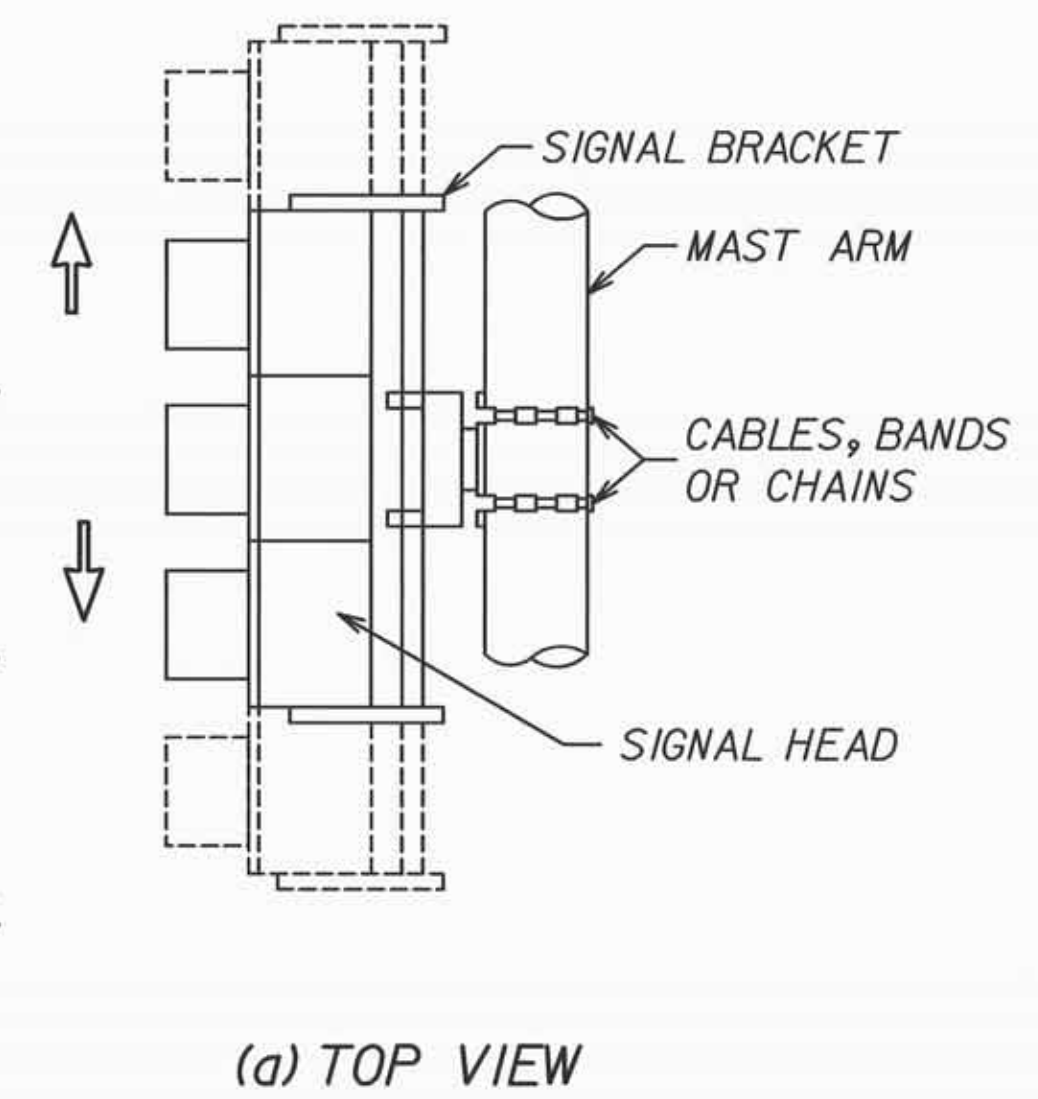
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**MAST ARM TABULATION**

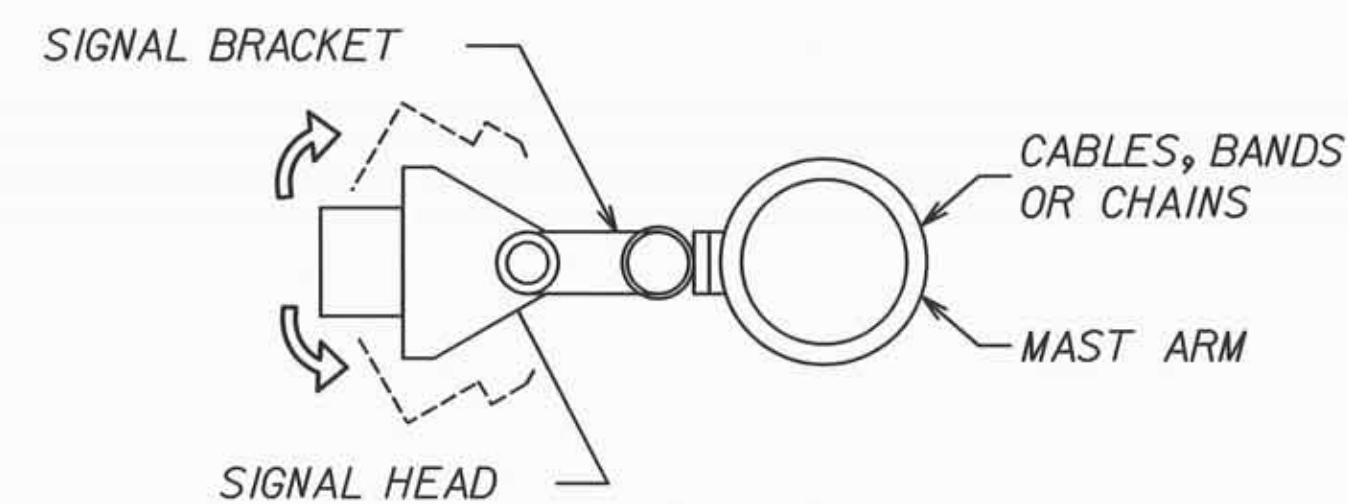
SHEET NO.  
 T-13

**BRACKET REQUIREMENTS**

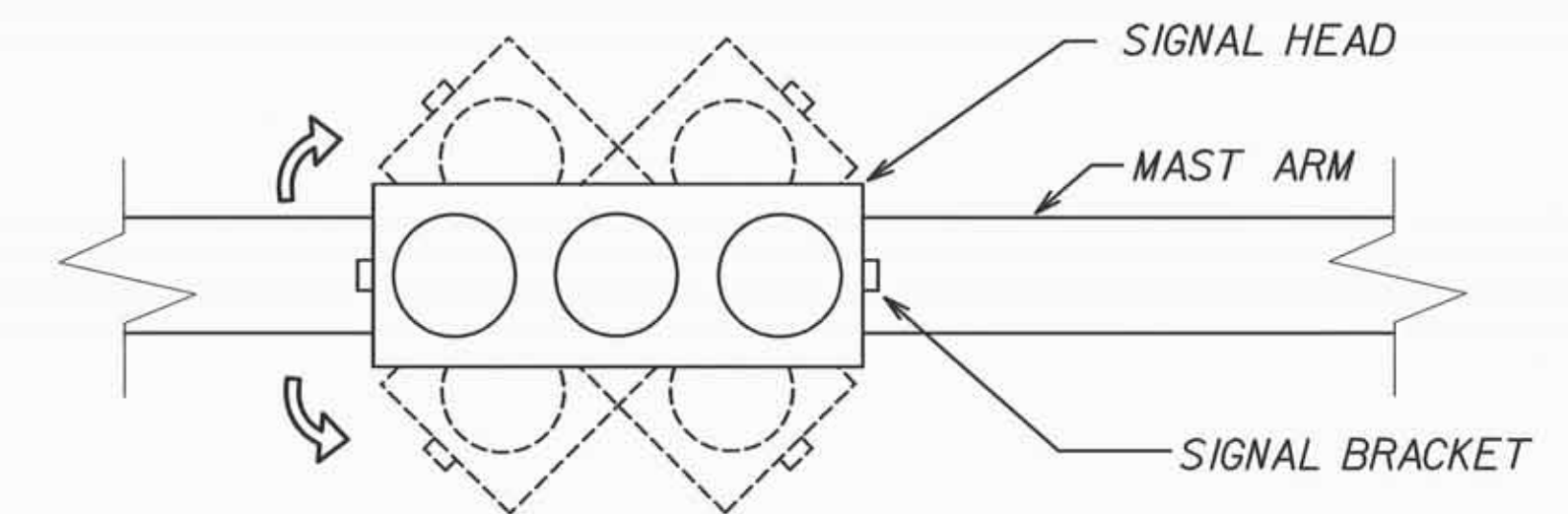
1. THE BRACKET SHALL BE COMPLETELY ADJUSTABLE SUCH THAT IT COMBINES ALL THREE (3) OF THE FOLLOWING ADJUSTMENTS INDICATED ON THE RIGHT AS (a) THROUGH (c).
2. THE BRACKET SHALL ATTACH TO THE SIGNAL IN A CLAMPING MANNER HOLDING THE SIGNAL ON BOTH SIDES IN ORDER TO ASSURE MAXIMUM RIGIDITY. IT SHALL BE DESIGNED SUCH THAT A STANDARD BRACKET "A" WILL ACCOMMODATE MOST MAJOR SIGNAL MANUFACTURERS, SIGNALS FROM THREE (3) SECTION 12-INCH THROUGH FIVE (5) SECTION HORIZONTAL 12-INCH SIGNALS AND ANY COMBINATION THEREOF.
3. RIGHT AND LEFT ARMS SHALL BE CAST FROM APPROPRIATE ALUMINUM ALLOY. SUPPORT TUBE SHALL BE EXTRUDED FROM APPROPRIATE ALUMINUM.
4. ALL ELECTRICAL WIRING SHALL BE COMPLETELY CONCEALED WITHIN THE BRACKET. THE SUPPORT TUBE SHALL BE "C" SHAPED EXTRUDED ALUMINUM TO ACCOMMODATE THE SIGNAL CABLE REGARDLESS OF POSITIONING OF THE TUBE. EACH TUBE SHALL BE COMPLETE WITH AN EXTRUDED VINYL CLOSURE STRIP.
5. THE BRACKET SHALL BE PROVIDED WITH CHAIN TO THE SUPPORTING ARM OR STRUCTURE. THE BRACKET SHALL BE EASILY ADJUSTABLE TO FIT ALL SIZES OF ROUND, OCTAGONAL, ELLIPTICAL OR OTHER SHAPE STRUCTURE ADJUSTMENT.
6. EACH BRACKET SHALL BE COMPLETE WITH ALL NECESSARY BOLTS, GASKETS, ETC. TO ATTACH THE TRAFFIC SIGNAL TO THE BRACKET AND THE BRACKET TO THE SUPPORTING ARM.



(a) TOP VIEW  
HORIZONTAL ADJUSTMENT



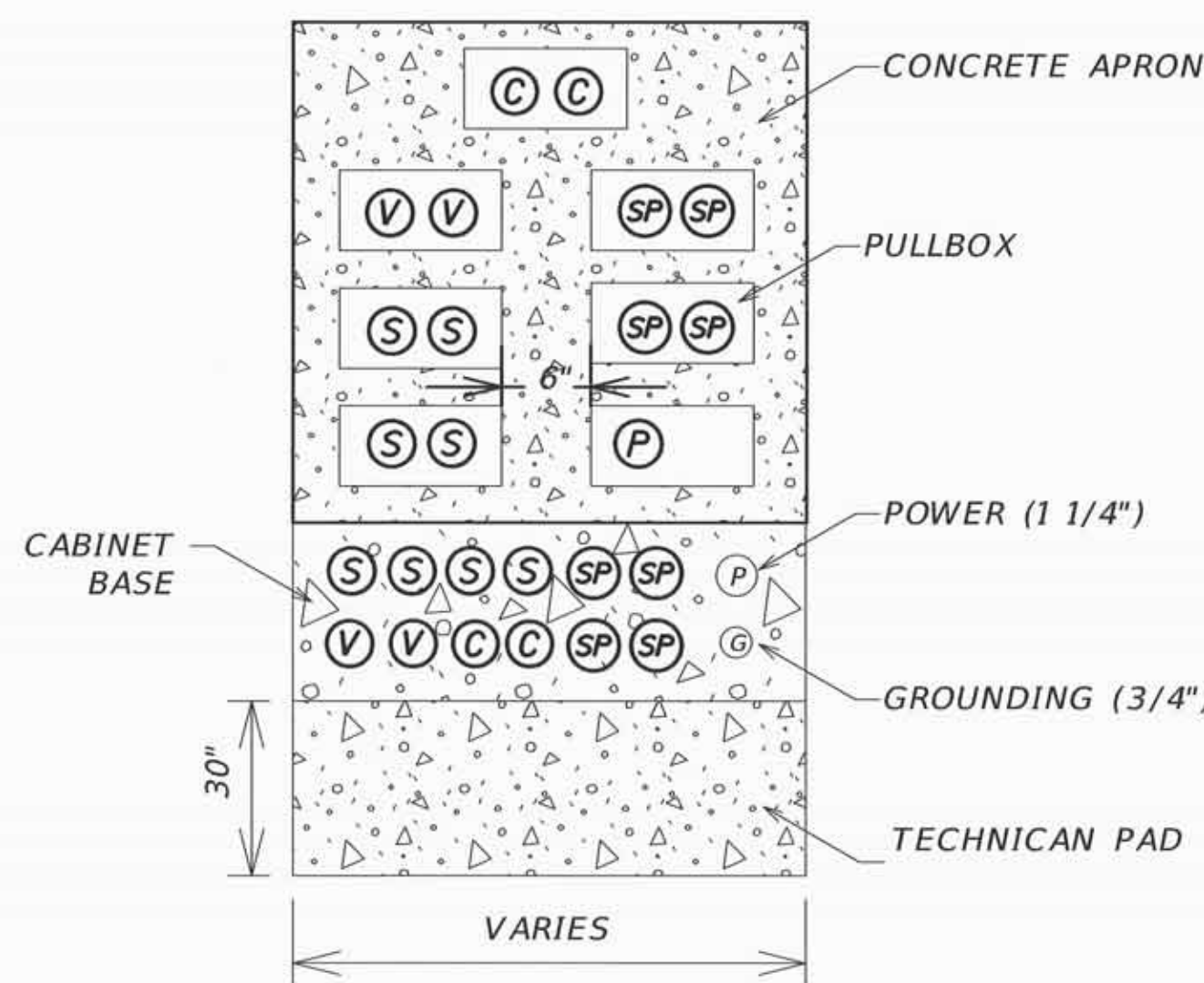
(b) SIDE VIEW  
ROTATIONAL ADJUSTMENT ABOUT MAST ARM



(c) FRONT VIEW  
ROTATIONAL ADJUSTMENT CLOCKWISE & COUNTER-CLOCKWISE FROM HORIZONTAL PLANE

**CABINET INSTALLATION NOTES**

1. TOP OF CABINET BASE MUST BE AT LEAST 6" ABOVE THE FINISHED GRADE.
2. FOLLOW FDOT INDEX 17841 FOR ANY ADDITIONAL DETAILS.
3. CABINET BASE SHALL BE OF CLASS 1, 3000 PSI CONCRETE.
4. CONDUITS SHOWN ARE THOSE TO BE INCLUDED FROM PULL BOX TO CABINET.
5. PULL BOXES SHOULD BE AT THE REAR OR SIDE OF THE CABINET. DIFFERENT ORIENTATION WILL BE ALLOWED IF SUFFICIENT RIGHT OF WAY IS UNAVAILABLE.
6. CABINET SHALL BE TS2 TYPE 1 - TYPE VI SIZE. A REDUCED DEPTH TYPE VI CABINET OR APL LISTED ALTERNATIVE MAY BE APPROVED BY TRAFFIC ENGINEERING DIVISION IF THERE IS LIMITED RIGHT OF WAY.
7. CONTRACTOR SHALL COMPACT MATERIAL UNDER CABINET BASE TO 95% AASHTO T-99 DENSITY. COUNTY INSPECTOR MAY TAKE DENSITIES TO CHECK COMPACTION.
8. CONSTRUCT CONCRETE APRON PER FDOT STANDARD INDEX 17700.

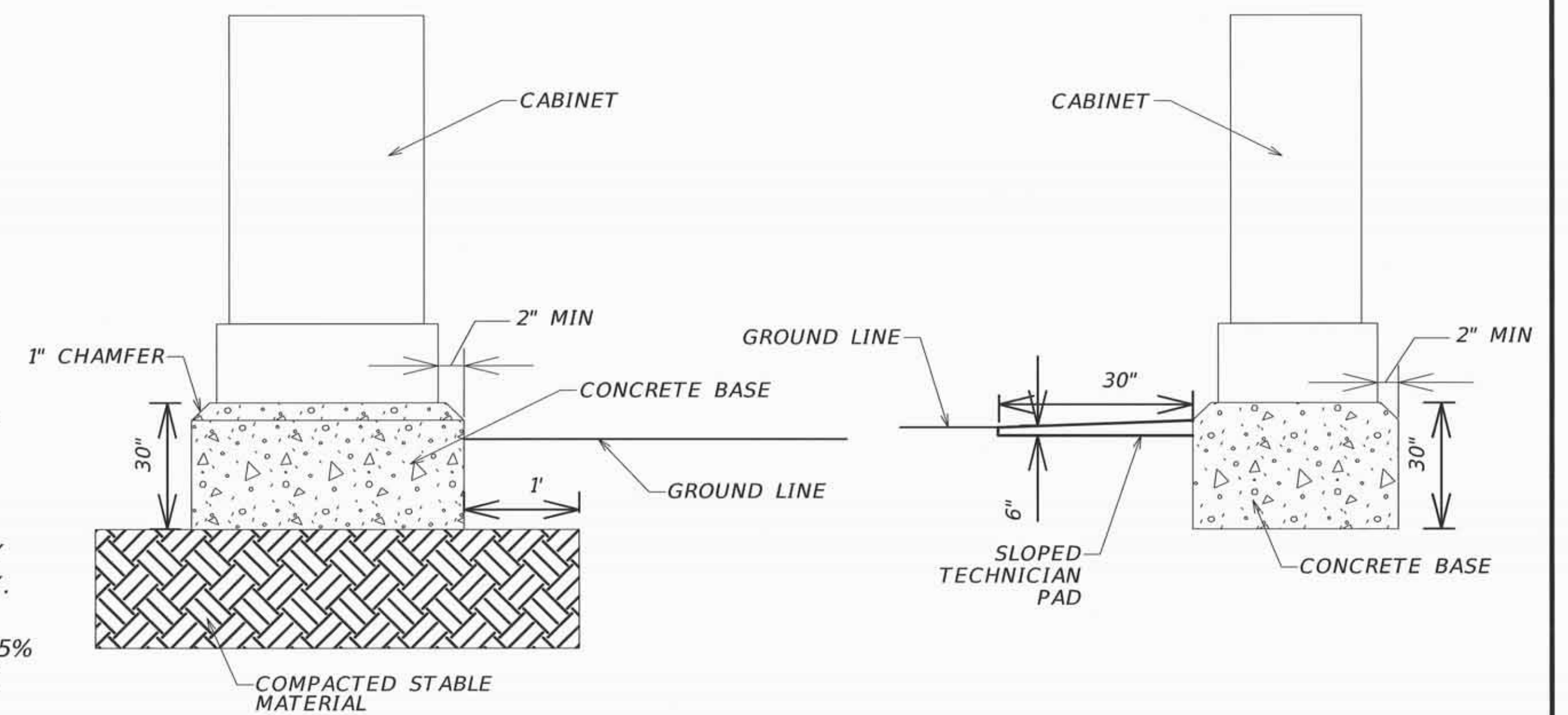


**PULL BOX TO CABINET CONDUIT DETAILS (N.T.S.)**

NOTE:  
ALL CONDUIT SHOWN SHALL BE 2" IN DIAMETER, UNLESS OTHERWISE SPECIFIED.

**LEGEND**

(S)	SIGNAL
(V)	VIDEO
(C)	COMMUNICATION
(SP)	SPARE
(P)	POWER
(G)	GROUND
(Concrete symbol)	CONCRETE



**CABINET PAD DETAIL (N.T.S.)**

*Paul J. Mannix*  
Professional Engineer  
No. 57712  
State of Florida  
12/4/17

REVISIONS	
DATE	DESCRIPTION

**ATKINS**  
482 SOUTH KELLER ROAD  
ORLANDO, FLORIDA 32810  
FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
PAUL J. MANNIX, P.E. 57712

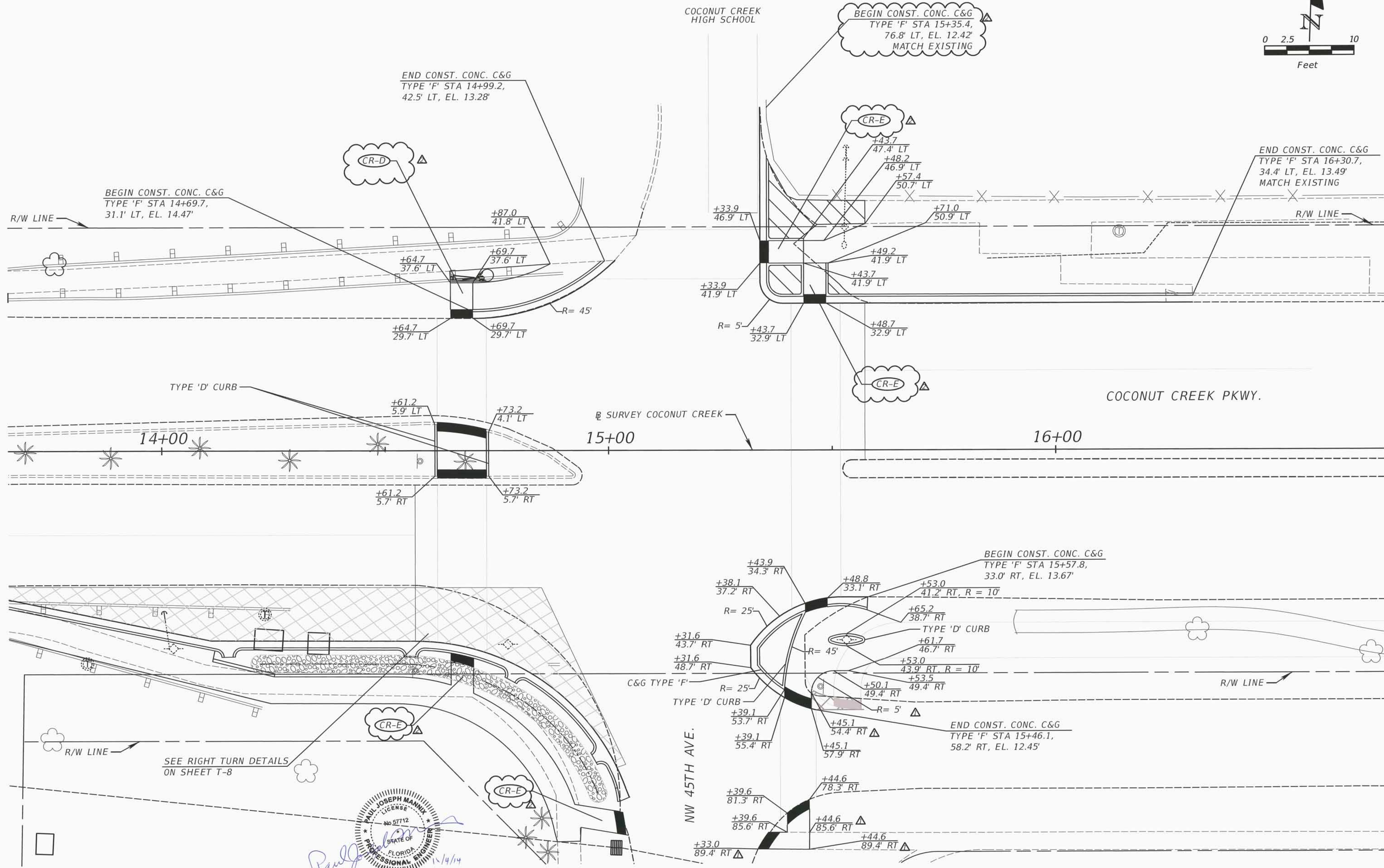
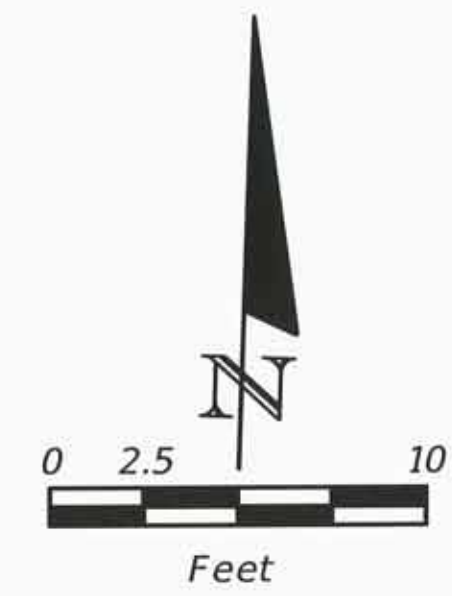
**COCONUT CREEK**  
FLORIDA

PUBLIC WORKS DEPARTMENT  
HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**SIGNAL HEAD & CABINET DETAILS**

SHEET NO.  
T-14



REVISIONS	
DATE	DESCRIPTION
09/10/14	ADD ADDITIONAL DIMENSIONS
11/03/14	CONSTRUCTION ISSUE SET

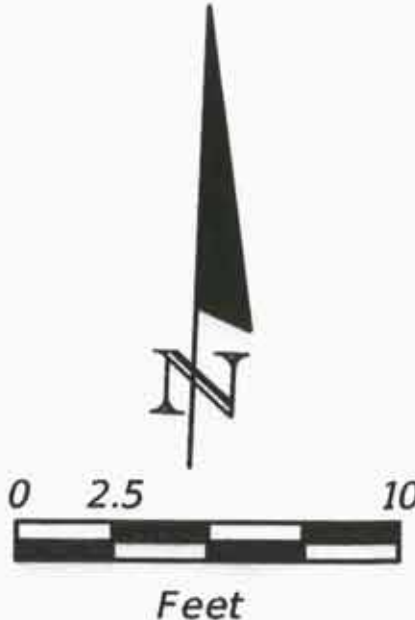
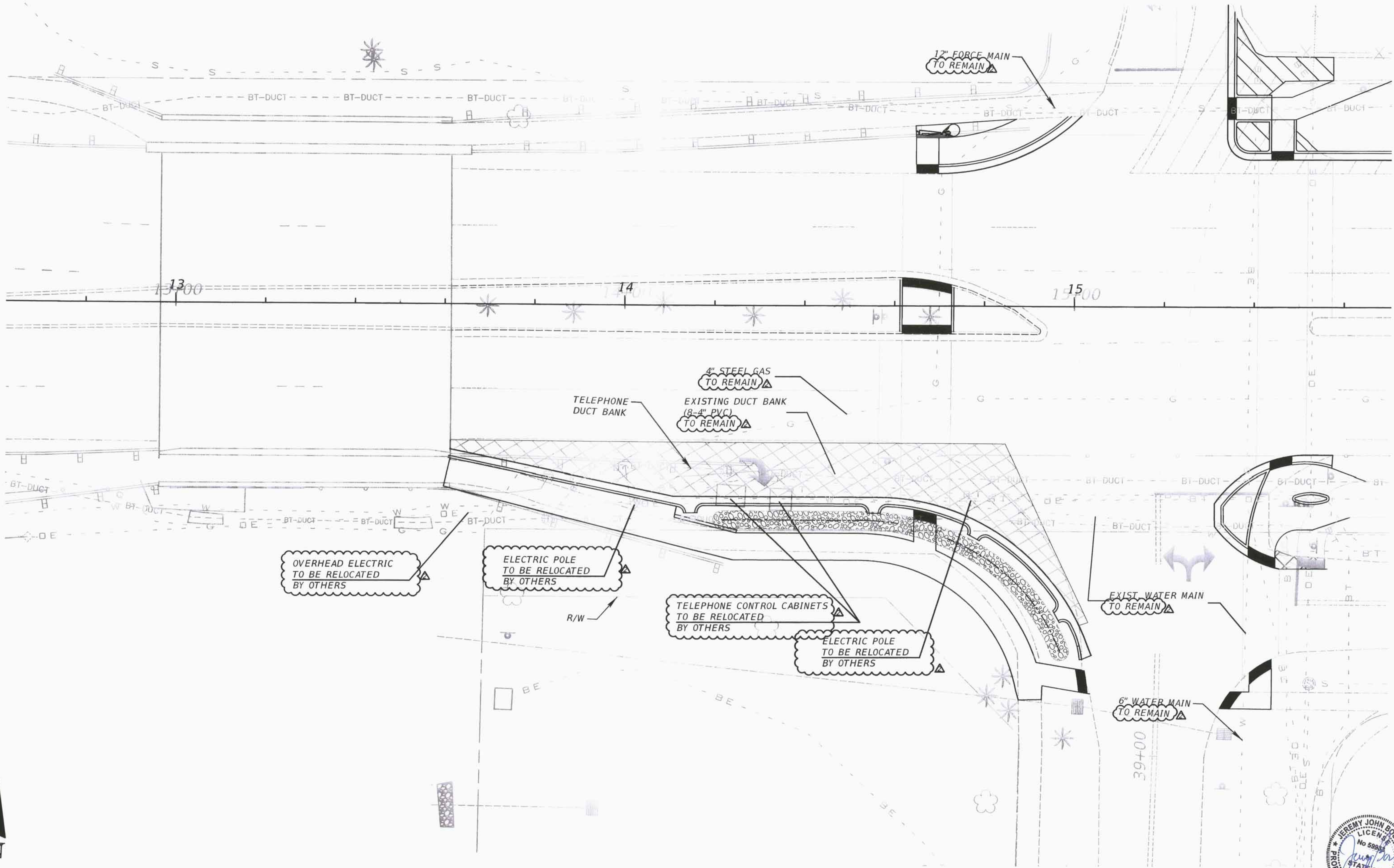
**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
 FLORIDA

PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**CURB RAMPS PLAN DETAILS**

SHEET NO.
T-15



REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**  
 2001 NW 107TH AVENUE  
 MIAMI, FLORIDA 33172  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 JEREMY J. BOURDON, P.E. 59933

**COCONUT CREEK**  
 FLORIDA

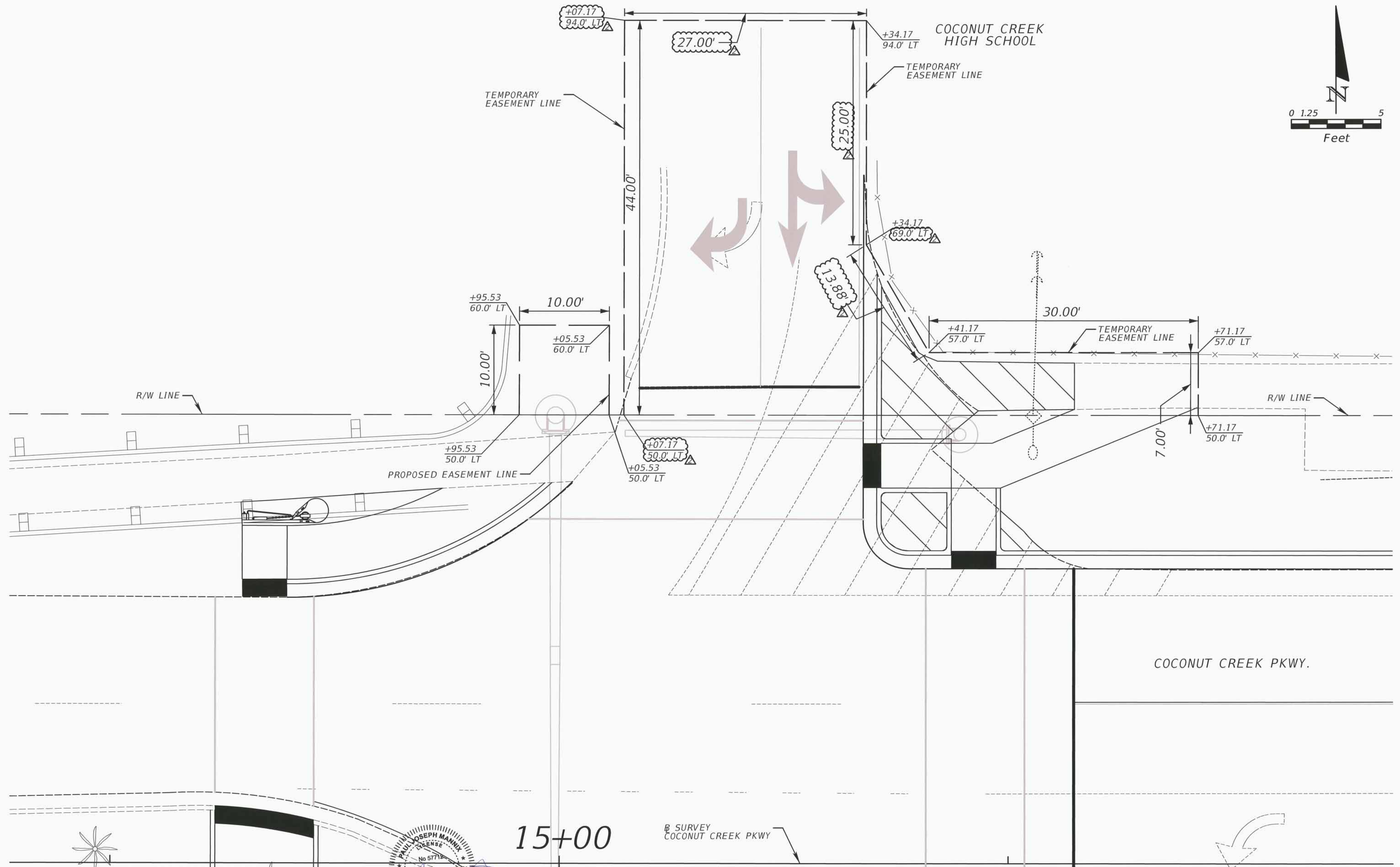
PUBLIC WORKS DEPARTMENT  
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**UTILITY ADJUSTMENT PLAN**

SHEET NO.
T-16





PAUL J. MANNIX
   
 No. 57718
   
 STATE OF FLORIDA
   
 PROFESSIONAL ENGINEER
   
 12/4/14

REVISIONS	
DATE	DESCRIPTION
11/03/14	CONSTRUCTION ISSUE SET

**ATKINS**
  
 482 SOUTH KELLER ROAD
   
 ORLANDO, FLORIDA 32810
   
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24
   
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**
  
**FLORIDA**

PUBLIC WORKS DEPARTMENT
   
 HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
   
 CITY INTERSECTION COUNTY PROJECT NO.
   
 COCONUT CREEK COCONUT CREEK PKWY AT NW 45TH AVE 140828001

**TEMPORARY AND PROPOSED**
  
**EASEMENT DETAILS**

SHEET NO.
   
**T-17**

STANDARD MAST ARM ASSEMBLIES DATA TABLE

Table Date 01-01-12

STRUCTURE ID NUMBERS	ASSEMBLY NUMBERS <sup>(1)</sup>	FIRST ARM			SECOND ARM			UF (deg)	LL (deg)	POLE				SPECIAL DRILLED SHAFT <sup>(4)</sup>					
		ARM TYPE	FAA <sup>(2)</sup> (ft.)	FBA <sup>(2)</sup> (in.)	ARM TYPE	FAA <sup>(2)</sup> (ft.)	FBA <sup>(2)</sup> (in.)			POLE TYPE	UAA <sup>(3)</sup> (ft.)	UB (ft.)	UCA <sup>(3)</sup> (in.)	DA (ft.)	DB (ft.)	RA	RB	RC	RD (in.)
POLE 1	D3 - S2	D3								S2	24	21	14.67						
POLE 2	D1 - S1	D1								S1		22							
POLE 3	D1 - S1	D1								S1	24	21	12.67						
POLE 4	D5 - S3	D5								S3		22							

TABLE NOTES:

1. Assembly Number Legend

Single Arm:

Arm Type - Pole Type = D# - S#  
= E# - T#

Double Arm:

First Arm Type - Second Arm Type - Pole Type = D# - D# - S#  
= E# - E# - T#

2. If an entry appears in columns "FAA" and "FBA", a shorter arm is required. This is obtained by removing length from the arm tip. For these cases the mast arm length shall be shortened from "FA" to "FAA" and the tip diameter shall be increased from "FB" to "FBA".

3. If an entry appears in columns "UAA" and "UCA", a shorter pole is required. This is obtained by removing length from the pole tip. For these cases the pole height shall be shortened from "UA" to "UAA" and the pole tip diameter shall be increased from "UC" to "UCA".

4. The foundations for Standard Mast Arm Assemblies are pre-designed and are based upon the following conservative soil criteria which covers the great majority of soil types found in Florida. Only complete the "Special Drilled Shaft" data information if site conditions dictate drilled shafts with additional foundation capacity.

Classification = Cohesionless (Fine Sand)  
Friction Angle = 30 Degrees (30°)  
Unit Weight = 50 lbs. / cu. ft. (assumed saturated)

GENERAL NOTES:

1. Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.

2. Work with Index Nos. 17743 and 17745.

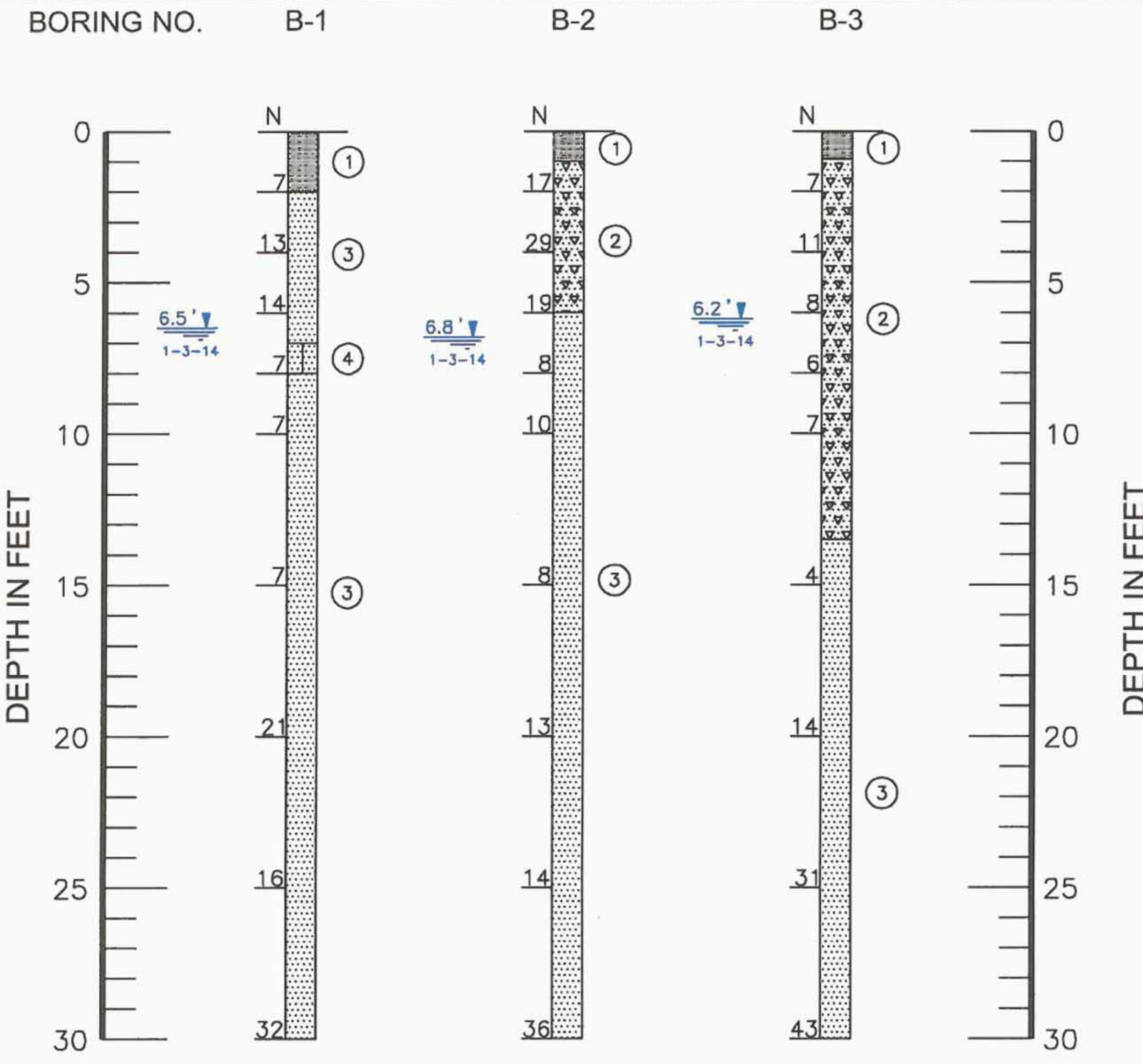


<p>REVISIONS</p> <table border="1"> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>KD</td> <td>ADD STRUCTURAL PLAN SHEET</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>		DATE	DESCRIPTION	KD	ADD STRUCTURAL PLAN SHEET							<p><b>ATKINS</b> 482 SOUTH KELLER ROAD ORLANDO, FLORIDA 32810 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 KUN DENG, P.E. 58007</p>	<p><b>COCONUT CREEK</b> FLORIDA</p>	<p>PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION</p> <table border="1"> <tr> <th>CITY</th> <th>INTERSECTION</th> <th>COUNTY PROJECT NO.</th> </tr> <tr> <td>COCONUT CREEK</td> <td>COCONUT CREEK PKWY AT NW 45TH AVE</td> <td>140828001</td> </tr> </table>	CITY	INTERSECTION	COUNTY PROJECT NO.	COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001	<p><b>MAST ARM DATA TABLE</b></p>	<p>SHEET NO. T-18</p>
DATE	DESCRIPTION																					
KD	ADD STRUCTURAL PLAN SHEET																					
CITY	INTERSECTION	COUNTY PROJECT NO.																				
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001																				



SOURCE: GOOGLE EARTH PRO

BORING LOCATION PLAN



SUBSURFACE PROFILES

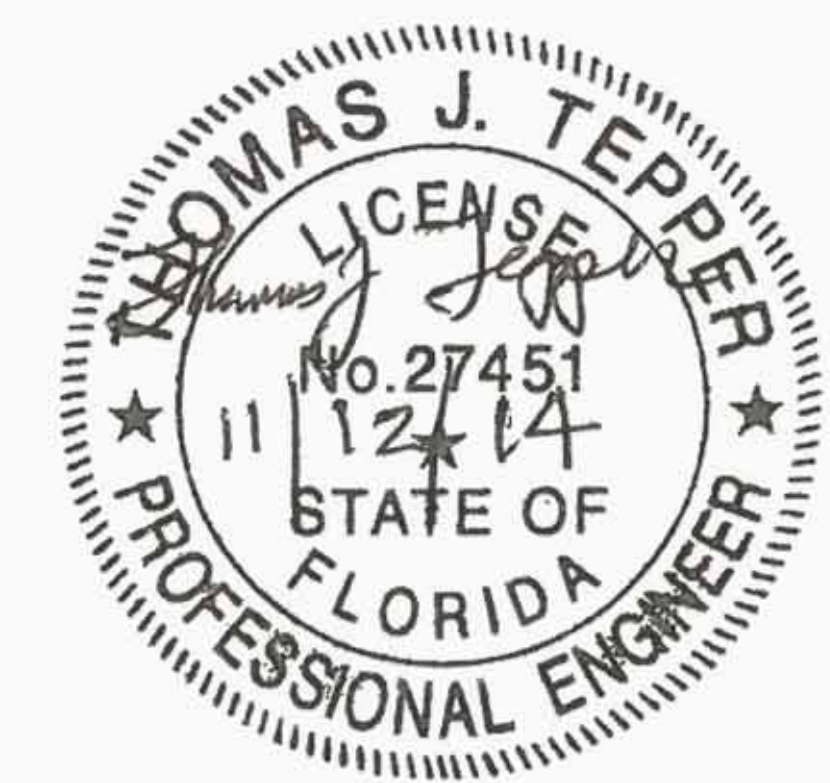
LEGEND

- ① Brown, dark brown fine SAND, trace limestone fragments, trace silt and roots in the upper two to twelve inches (SP)
- ② Brown, light brown and yellow brown fine SAND, trace limestone fragments (SP)
- ③ Brown, light to dark brown and yellow brown fine SAND, trace silt (SP)
- ④ Brown, dark brown fine SAND, trace to little silt (SP, SP-SM)
- N - Indicates the number of blows of a 140 pound hammer, freely falling a distance of 30 inches, required to drive a 2-inch diameter sampler 12 inches (ASTM D 1586)
- SP - Unified Soil Classification System Group Symbol (ASTM D 2487)
- B-1 - Standard Penetration Test (SPT) boring location and number
- 6.5' 1-3-14 - Depth of groundwater (feet) & date measured

NOTES

- (1) Borings were drilled on January 3, 2014 using a Central Mine Equipment Model 55 (CME 55) drilling rig.
- (2) Strata boundaries are approximate and represent soil strata at each test hole location only. Soil transitions may be more gradual than implied.
- (3) Groundwater depths shown on the subsurface profiles represent groundwater surfaces on the dates shown. Groundwater level fluctuations should be anticipated throughout the year.

DRAWN	JJ	BORING LOCATION PLAN & SUBSURFACE PROFILES		
CHECKED	VB	MAST ARMS FOR TRAFFIC SIGNALIZATION JUNCTION		
APPROVED	RN	OF NW 45TH AVE. & COCONUT CREEK PARKWAY		
SCALE	AS SHOWN	COCONUT CREEK, FLORIDA		
REVISED		<b>DUNKELBERGER</b> engineering & testing, inc. <small>A Terracon Company</small>		
DATE	1-15-14	PROJ. NO.	34135013	SHEET A-1



# BOUNDARY AND TOPOGRAPHIC SURVEY

BCHCED REF # 140828001

SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
SEE SHEET 2 OF 3 FOR TEST HOLE SUMMARY REPORT  
SEE SHEET 3 OF 3 FOR TREE TABLE

### SURVEYOR'S REFERENCES:

1. COCONUT CREEK PARKPLEX PLAT, RECORDED IN P.B. 173, PG. 65, B.C.R.
2. EDGEFIELD 1st SECTION, RECORDED IN P.B. 49, PG. 31, B.C.R.
3. FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP FOR S.R. 814 - COCONUT CREEK PARKWAY SECTION 06130-2506, LAST REVISED 8/22/89 BROWARD COUNTY.
4. BROWARD COUNTY PROPERTY APPRAISER'S NETWORK, BROWARD OFFICIAL RECORDS PUBLIC SEARCH.

### ABBREVIATIONS

B.C.R.	BROWARD COUNTY RECORDS
O.R.B.	OFFICIAL RECORDS BOOK
P.B.	PLAT BOOK
P.G.	PAGE
L.B.	LICENSED BUSINESS
S.R.	STATE ROAD
NVAL	NON-VEHICULAR ACCESS LINE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
ID.	IDENTIFICATION
PRM	PERMANENT REFERENCE MARKER
IRC	IRON ROD AND CAP
IP	IRON PIPE
U.E.	UTILITY EASEMENT
C.M.E.	CANAL MAINTENANCE EASEMENT
C	CENTERLINE
MH	MANHOLE
R.E.	RIM ELEVATION
I.E.	INVERT ELEVATION
LI	LINE NUMBER 1 (SEE TABLE)
BH1	BORERHOLE NUMBER 1 (SEE TABLE)
CMP	CORRUGATED METAL PIPE
PVC	POLYVINYL CHLORIDE PIPE
PRD	POLLUTANT RETARDANT DEVICE (BAFFLE)
TOP EL.	TOP OF PRD ELEVATION (NOT AN INVERT ELEVATION)

### LEGEND

	GUY ANCHOR
	BACKFLOW PREVENTOR
	BORE HOLE
	METAL BENCH
	CATCH BASIN
	CONCRETE LIGHT POLE
	CONCRETE POLE
	FIRE HYDRANT
	GRILL
	STORM DRAINAGE MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	WATER METER
	POST WITH PEDESTRIAN LIGHT
	SIGN ON POST
	TELEPHONE RISER
	TRASH CAN
	UTILITY MARKER
	WATER VALVE
	ELECTRIC WIRE PULL BOX
	STREET LIGHT WIRE PULL BOX
	TRAFFIC WIRE PULL BOX
	WIRE PULL BOX
	IRRIGATION PUMP
	TRANSFORMER OF CONCRETE PAD
	TELEPHONE CABINET ON CONCRETE PAD
	HANDICAP PARKING SPACE
	5 REGULAR PARKING SPACES
	PALM TREE # 123 (SEE TREE TABLE)
	TREE # 124 (SEE TREE TABLE)
	SPOT ELEVATION
	CONTROL POINT (SEE TABLE)
	TEST HOLE NUMBER 1
	NON-VEHICULAR ACCESS LINE
	OVERHEAD WIRES
	BURIED ELECTRIC
	BURIED FIBER OPTIC
	BURIED TELEPHONE
	BURIED TELEPHONE DUCT
	BURIED CABLE TELEVISION
	FORCE MAIN
	BURIED GAS
	BURIED STREET LIGHT
	STORM DRAINAGE LINE
	TRAFFIC SIGNAL
	UNKNOWN LINE
	SANITARY SEWER LINE

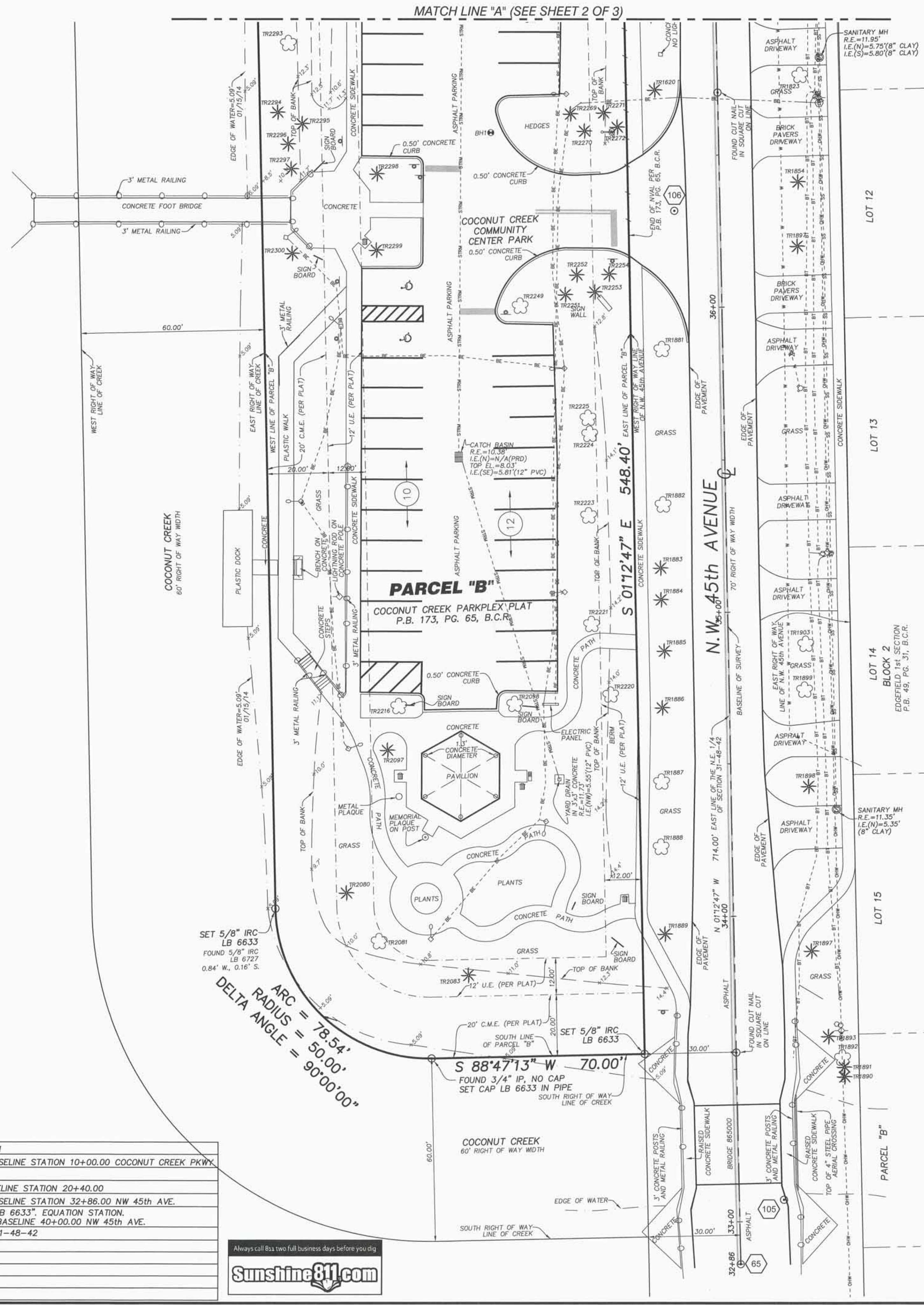
### BORE HOLES TABLE

BORE HOLE #	NORTHING	EASTING	ELEVATION
1	695125.84	923561.65	11.21
2	695164.97	923572.42	10.81
3	695218.21	923538.72	11.30
4	695264.95	923501.17	12.28
5	695367.08	923514.68	11.02
6	695285.71	923566.50	11.96
7	695401.40	923583.47	12.89
8	695306.09	923532.95	11.42
9	695507.51	923680.95	13.54

### CONTROL POINTS TABLE

CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	695453.006	923109.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", BEGIN BASELINE STATION 10+00.00 COCONUT CREEK PKWY
63	695457.397	923332.987	N/A	FOUND BOAT SPIKE, BASELINE PI STATION 12+23.92
64	695487.764	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", END BASELINE STATION 20+40.00
65	694754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", BEGIN BASELINE STATION 32+86.00 NW 45th AVE.
66	695468.415	923628.862	N/A	FOUND NAIL HOLE, SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", EQUATION STATION, COCONUT CREEK PKWY BASELINE STATION 15+20.00 = END BASELINE 40+00.00 NW 45th AVE.
101	695477.948	923628.661	N/A	FOUND BOAT SPIKE, N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
104	695501.472	923627.992	13.95	SET NAIL & DISC "TRAV.P.T. LB 6633"
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.P.T. LB 6633"
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.P.T. LB 6633"
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT

Always call 811 two full business days before you dig  
**Sunshine811.com**



### LEGAL DESCRIPTION:

PARCELS "B" AND "D", COCONUT CREEK PARKPLEX PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 173, AT PAGE 65, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

### SURVEY NOTES:

1. THIS BOUNDARY AND TOPOGRAPHIC SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
2. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
3. THIS SURVEY IS LIMITED TO (1) THE DOCUMENTATION OF THE PERIMETER OF THE PARCELS OF LAND SHOWN HEREON BY MOVING THE BOUNDARY LINES FOR THE PURPOSE OF DESCRIBING SAID PARCEL; (2) LOCATION OF ABOVE GROUND IMPROVEMENTS; (3) SPOT ELEVATIONS; (4) TREE SURVEY; (5) TEST HOLES AND UNDERGROUND UTILITIES LOCATION (MARKED BY OTHERS).
4. THE SURVEYED PROPERTY SHOWN HEREON CONTAINS A TOTAL AREA OF 1.5691 ACRES (68,350 SQUARE FEET). PARCEL "B" = 1.5234 ACRES (66,359 SQUARE FEET) PARCEL "D" = 0.0457 ACRES (1,991 SQUARE FEET)
5. THE PROPERTY SHOWN HEREON IS LOCATED WITHIN FLOOD ZONE X, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NUMBER 1201C0356H, COMMUNITY NUMBER 120031, CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA. MAP EFFECTIVE DATE: AUGUST 18, 2014.
6. THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS HAVE BEEN PLOTTED AT THE CENTER OF THE FIELD LOCATION AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE.
7. THE ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), ESTABLISHED FROM BROWARD COUNTY ENGINEERING DIVISION BENCHMARK NO. 0248, DESCRIBED AS FOLLOWS: SRD BRASS DISC IN MIDDLE OF SOUTH CONCRETE BRIDGE RAILING ON WEST SIDE OF BRIDGE. BRIDGE IS LOCATED 150' (+ OR -) WEST OF N.W. 45th AVENUE AND COCONUT CREEK PARKWAY. ELEVATION = 17.628'.
8. BEARINGS AND DISTANCES SHOWN HEREON ARE PER COCONUT CREEK PARKPLEX PLAT, RECORDED IN PLAT BOOK 173, PAGE 65, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. SAID BEARINGS ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATES SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
9. WHEEL STOPS, GROUND COVERAGE, SPRINKLER HEADS AND IRRIGATION WIRE PULL BOXES WERE NOT LOCATED AND ARE NOT SHOWN HEREON.
10. FENCES, RAILINGS, BARRIER WALLS AND WALL DIMENSIONS ARE APPROXIMATE.
11. THE INFORMATION DEPICTED ON THIS SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS A REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
12. THE SURVEYOR DID NOT INSPECT THE PROPERTY SHOWN HEREON FOR ENVIRONMENTAL HAZARDS.
13. THE STORM DRAINAGE AND SANITARY SEWER AS-BUILT DATA SHOWN HEREON WAS COLLECTED FOR ENGINEERING DESIGN PURPOSES ONLY. THE AS-BUILT DATA IS LIMITED TO RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES AND PIPE TYPES. THE SURVEYOR DID NOT PHYSICALLY ENTER ANY OF THE STRUCTURES; ALL OF THE MEASUREMENTS WERE COLLECTED (WITH THE STRUCTURE LID REMOVED) BY VISUAL OBSERVATIONS IN ACTIVE FACILITIES WITH WATER AND EFFLUVIUM PRESENT. THE CONNECTIONS BETWEEN STRUCTURES WERE NOT INSPECTED AND THE CONDITION OF THE PIPES WAS NOT DETERMINED. CRITICAL ELEVATIONS AND DIMENSIONS SHOULD BE VERIFIED WITH THE FACILITIES PUMPED DOWN AND CLEANED OUT TO FACILITATE ACCURATE COLLECTION OF AS-BUILT DATA. THE SIZE AND TYPE OF PIPES SHOULD BE OBTAINED AND CONFIRMED BEFORE ORDERING REPLACEMENT PIPES OR CONNECTING PIPES.
14. BORERHOLES WERE LOCATED DURING THE PROCESS OF THE SURVEY AT LOCATIONS WHERE RECENT GEOTECHNICAL WORK HAS BEEN PERFORMED. A FINAL SKETCH OF BORERHOLES LOCATIONS WAS NOT SUPPLIED TO SURVEYOR AT TIME OF SURVEY.
15. TEST HOLES AND UNDERGROUND UTILITIES WERE MARKED ON THE SURFACE BY KEITH & ASSOCIATES, INC., CONSULTING ENGINEERS AND LOCATED BY STONER & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE IDENTIFICATION, DEPTH OR ACCURACY OF UNDERGROUND UTILITIES.
16. THIS FIRM HAS IDENTIFIED VARIOUS TYPES OF TREES LOCATED ON THIS SITE BASED ON COMMON KNOWLEDGE OF TREE SPECIES. A QUALIFIED LANDSCAPE ARCHITECT SHOULD BE EMPLOYED FOR POSITIVE IDENTIFICATION OF TREE SPECIES. TREE DIAMETERS ARE APPROXIMATE AND WERE MEASURED AT BREAST HEIGHT. ONLY TREES 3 CALIPER INCHES IN DIAMETER OR LARGER WERE LOCATED AND SHOWN ON THE SURVEY. HEDGES AND GROUND COVER WERE NOT LOCATED AND ARE NOT SHOWN. EXOTIC TREES SUCH AS MELALEUCA, BRAZILIAN PEPPER AND AUSTRALIAN PINE WERE NOT LOCATED OR SHOWN HEREON.
17. THIS SURVEY IS LIMITED TO THE LOCATION OF ABOVE GROUND IMPROVEMENTS ONLY. SUBSURFACE UTILITIES, FOUNDATIONS AND ENCROACHMENTS WERE NOT LOCATED AND ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION OR EXCAVATION, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (811 OR 1-800-432-4770) AND THE APPROPRIATE UTILITY COMPANIES FOR FIELD VERIFICATION OF UTILITIES.
18. STONER & ASSOCIATES, INC., DID NOT SEARCH THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.
19. THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY STONER & ASSOCIATES, INC. (S&A). S&A HAS TAKEN REASONABLE STEPS TO ENSURE THE ACCURACY OF THIS DOCUMENT. WE CANNOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL IF APPLICABLE) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. S&A MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT S&A DIRECTLY FOR VERIFICATION OF ACCURACY.
20. ADDITIONS OR DELETIONS TO THIS SURVEY MAP BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
21. THE VERTICAL AND HORIZONTAL POSITIONAL ACCURACY OF WELL DEFINED IMPROVEMENTS ON THIS SURVEY IS ±0.10'.
22. THIS SURVEY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1/200 OR SMALLER.
23. CURRENT PROPERTY OWNER: CITY OF COCONUT CREEK, BROWARD COUNTY PROPERTY APPRAISER PARCEL ID # 4821-31-32-0020 (PARCEL "B") AND 4842-31-32-0040 (PARCEL "D")
24. THE DESCRIPTION OF THE SUBJECT PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE WITH NO GORES, GAPS, OVERLAYS OR HIATUS.

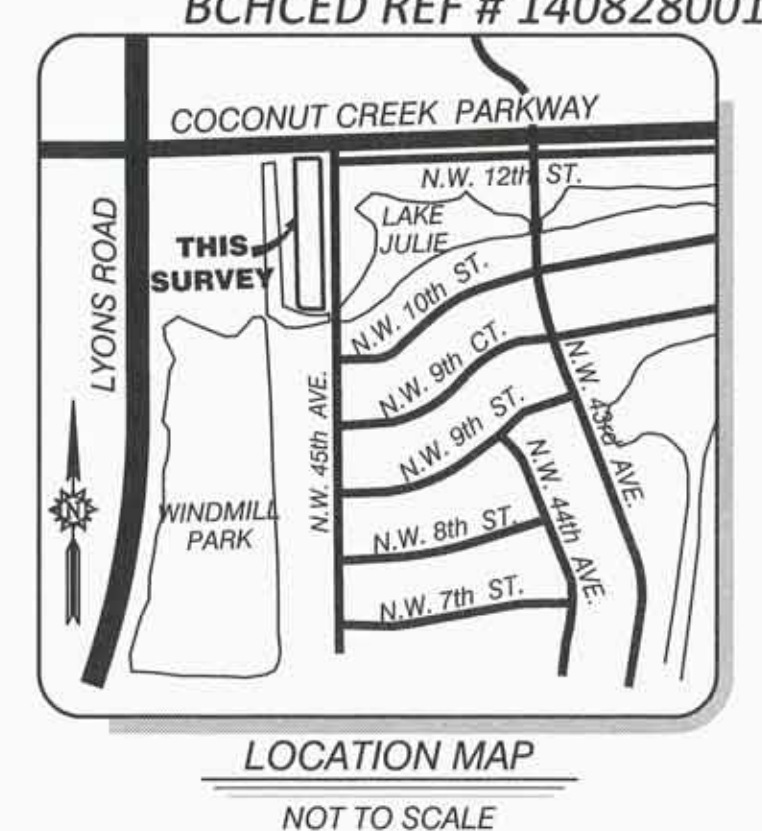
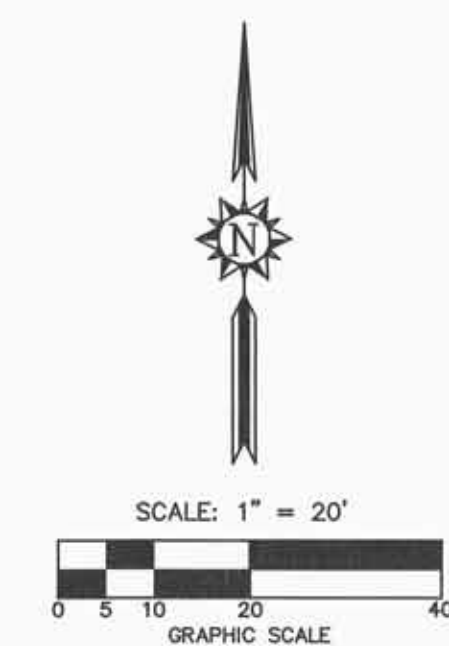
### CERTIFIED TO:

CPZ ARCHITECTS, INC.

### SURVEYOR'S CERTIFICATE:

THIS IS TO CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY MEETS THE STANDARDS OF PRACTICE FOR SURVEYING ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

DATE: Nov 12, 2014  
Walter de la Rocha  
WALTER DE LA ROCHA  
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081  
STATE OF FLORIDA  
STONER AND ASSOCIATES, INC. L.B. 6633  
wde@stonersurveyors.com



NO.	REVISION	DATE	BY
1	ADD STORM DRAINAGE AND SANITARY SEWER AS-BUILTS	02/08/14	WRK
2	UPDATE NOTE #8 WITH CURRENT FEMA FIRM MAP NO./DATE	05/08/14	WRK
3	ADDITIONAL SPOT ELEV. FOR PROPOSED TURN LANE	09/11/14	WDLR
3b	SURVEY TO TEST HOLES, ADJUST UTILITY LINES	09/11/14	WDLR
4	SURVEY TO TEST HOLES 11.11A12, ADJUST UTILITY LINES	09/28/14	WDLR

TEL (954) 585-0897  
FAX (954) 585-3927  
**STONER & ASSOCIATES, INC.**  
SURVEYORS - MAPPERS  
Florida Licensed Surveyor  
and Mapping Business No. 6633  
4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314

**SKETCH OF BOUNDARY & TOPOGRAPHIC SURVEY  
PROPOSED FIRE STATION 50  
PARCELS "B" AND "D"  
COCONUT CREEK PARKPLEX PLAT, P.B. 173, PG. 65, B.C.R.  
CITY OF COCONUT CREEK, BROWARD COUNTY, FL**

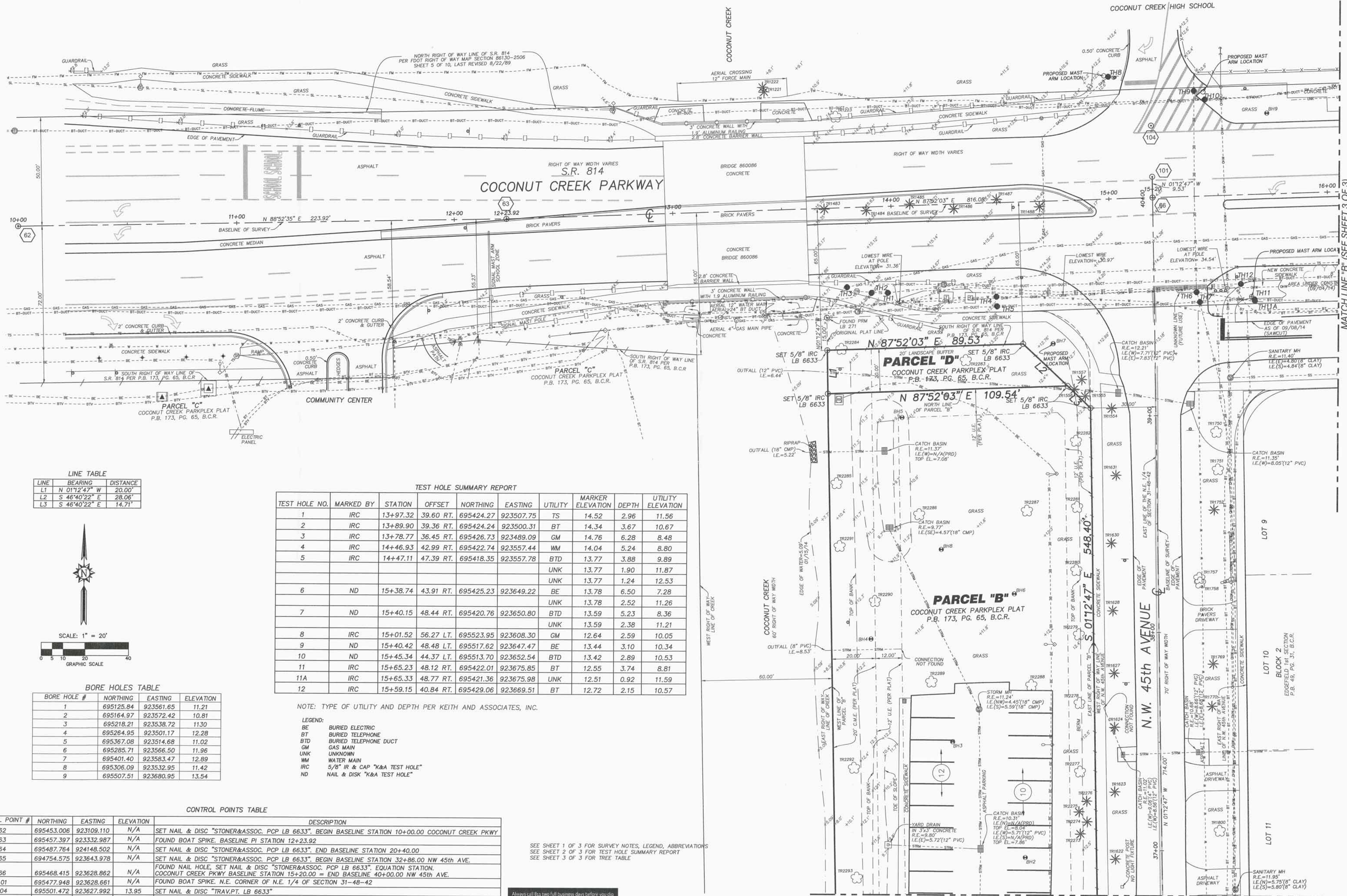
DATE OF SURVEY	DRAWN	CHECKED	BOOK/PAGE(S)
01/16/14	WDLR	JOS	945/17-28

SEAL  
NOT VALID UNLESS SEALED HERE WITH AN EMBOSSED SURVEYOR'S SEAL

PROJECT  
**13-8004**  
SHEET NO.  
**CTL-1**

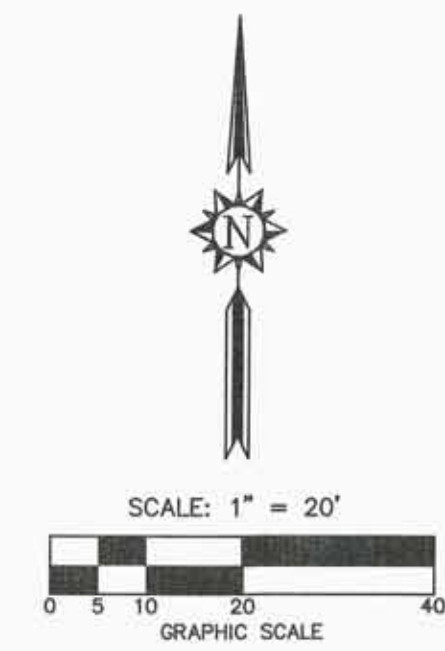
# BOUNDARY AND TOPOGRAPHIC SURVEY

BCHCED REF # 140828001



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 01°12'47" W	20.00'
L2	S 46°40'22" E	28.06'
L3	S 46°40'22" E	14.71'



**BORE HOLES TABLE**

BORE HOLE #	NORTHING	EASTING	ELEVATION
1	695125.84	923561.65	11.21
2	695164.97	923572.42	10.81
3	695218.21	923538.72	11.30
4	695264.95	923501.17	12.28
5	695367.08	923514.68	11.02
6	695285.71	923566.50	11.96
7	695401.40	923583.47	12.89
8	695306.09	923532.95	11.42
9	695507.51	923680.95	13.54

**TEST HOLE SUMMARY REPORT**

TEST HOLE NO.	MARKED BY	STATION	OFFSET	NORTHING	EASTING	UTILITY	MARKER ELEVATION	DEPTH	UTILITY ELEVATION
1	IRC	13+97.32	39.60 RT.	695424.27	923507.75	TS	14.52	2.96	11.56
2	IRC	13+89.90	39.36 RT.	695424.24	923500.31	BT	14.34	3.67	10.67
3	IRC	13+78.77	36.45 RT.	695426.73	923489.09	GM	14.76	6.28	8.48
4	IRC	14+46.93	42.99 RT.	695422.74	923557.44	WM	14.04	5.24	8.80
5	IRC	14+47.11	47.39 RT.	695418.35	923557.78	BTD	13.77	3.88	9.89
						UNK	13.77	1.90	11.87
						UNK	13.77	1.24	12.53
6	ND	15+38.74	43.91 RT.	695425.23	923649.22	BE	13.78	6.50	7.28
						UNK	13.78	2.52	11.26
7	ND	15+40.15	48.44 RT.	695420.76	923650.80	BTD	13.59	5.23	8.36
						UNK	13.59	2.38	11.21
8	IRC	15+01.52	56.27 LT.	695523.95	923608.30	GM	12.64	2.59	10.05
9	ND	15+40.42	48.48 LT.	695517.62	923647.47	BE	13.44	3.10	10.34
10	ND	15+45.34	44.37 LT.	695513.70	923652.54	BTD	13.42	2.89	10.53
11	IRC	15+65.23	48.12 RT.	695422.01	923675.85	BT	12.55	3.74	8.81
11A	IRC	15+65.33	48.77 RT.	695421.36	923675.98	UNK	12.51	0.92	11.59
12	IRC	15+59.15	40.84 RT.	695429.06	923669.51	BT	12.72	2.15	10.57

NOTE: TYPE OF UTILITY AND DEPTH PER KEITH AND ASSOCIATES, INC.

- LEGEND:**
- BE BURIED ELECTRIC
  - BT BURIED TELEPHONE
  - BTD BURIED TELEPHONE DUCT
  - GM GAS MAIN
  - UNK UNKNOWN
  - WM WATER MAIN
  - IRC 5/8" IR & CAP "K&A TEST HOLE"
  - ND NAIL & DISK "K&A TEST HOLE"

**CONTROL POINTS TABLE**

CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	695453.006	923109.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", BEGIN BASELINE STATION 10+00.00 COCONUT CREEK PKWY
63	695457.397	923332.987	N/A	FOUND BOAT SPIKE, BASELINE PI STATION 12+23.92
64	695487.764	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", END BASELINE STATION 20+40.00
65	694754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", BEGIN BASELINE STATION 32+86.00 NW 45th AVE.
66	695468.415	923628.862	N/A	FOUND NAIL HOLE, SET NAIL & DISC "STONER&ASSOC. PCP LB 6633", EQUATION STATION.
101	695477.948	923628.661	N/A	FOUND BOAT SPIKE, N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
104	695501.472	923627.992	13.95	SET NAIL & DISC "TRAV.PT. LB 6633"
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.PT. LB 6633"
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.PT. LB 6633"
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT

SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
SEE SHEET 2 OF 3 FOR TEST HOLE SUMMARY REPORT  
SEE SHEET 3 OF 3 FOR TREE TABLE



DATE OF SURVEY: 01/16/14  
DRAWN: WDLR  
CHECKED: JDS  
BOOK # REC'D: 045/17-28  
FIELD DATA COLLECTOR: [Signature]

STONER & ASSOCIATES, INC.  
SURVEYORS - MAPPERS  
Florida Licensed Survey  
and Mapping Business No. 6639  
4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314

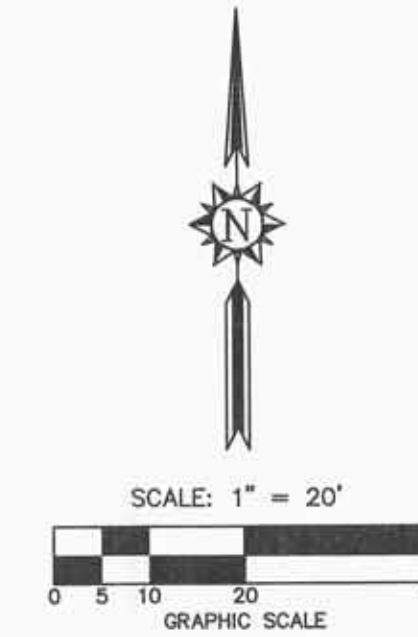
TEL (954) 565-0997  
FAX (954) 565-3927

REVISION NO. DATE BY  
1 ADD STORM DRAINAGE AND SANITARY SEWER AS-BUILTS 02/08/14 WDLR  
2 UPDATE NOTE #8 WITH CURRENT FEMA FIRM MAP NO. DATE 05/08/14 WDLR  
3 ADDITIONAL SPOT ELEV. FOR PROPOSED TURN LANE 08/11/14 WDLR  
4 SURVEY TO TEST HOLES, ADJUST UTILITY LINES 08/13/14 WDLR  
5 SURVEY 3 TEST HOLES 11.11.12. ADJUST UTILITY LINES 09/09/14 WDLR  
6 THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THIS PLAN WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2014

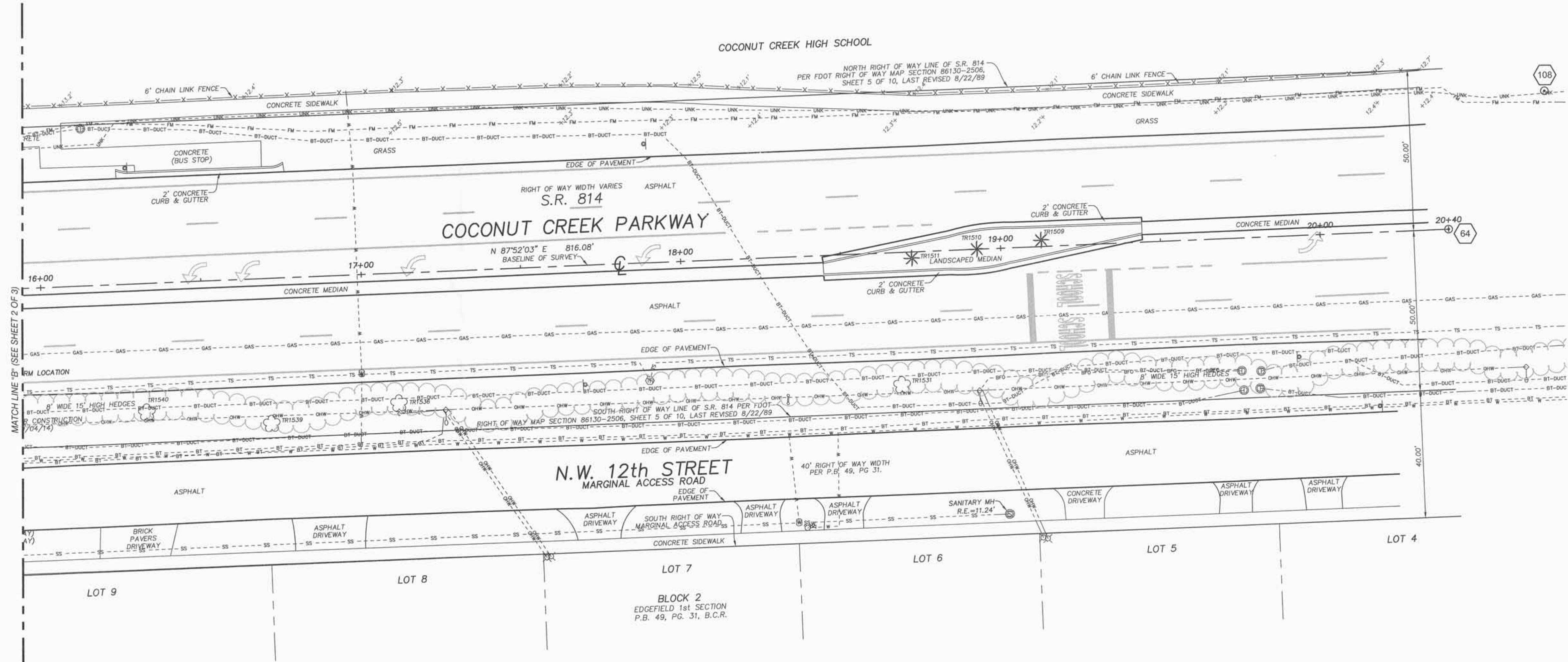
PROJECT: 13-8004  
SHEET NO.: CTL-2

# BOUNDARY AND TOPOGRAPHIC SURVEY

BCHCED REF # 140828001



TREE ID #	DESCRIPTION	TRUNK DBH	HEIGHT
1221	PALM	12"	
1222	PALM	12"	
1223	ACACIA	24"	
1483	SOLITARY PALM	4"	15'
1484	SOLITARY PALM	4"	14'
1485	SOLITARY PALM	4"	14'
1486	SOLITARY PALM	4"	15'
1487	SOLITARY PALM	4"	15'
1488	SOLITARY PALM	4"	14'
1509	SOLITARY PALM	4"	14'
1510	SOLITARY PALM	4"	14'
1511	SOLITARY PALM	4"	14'
1531	BOTTLE BRUSH	16"	
1536	YELLOW TABEBUIA	12"	
1539	YELLOW TABEBUIA	12"	
1540	YELLOW TABEBUIA	12"	
1554	PALM	12"	7'
1555	CABBAGE PALM	12"	15'
1556	CABBAGE PALM	11"	18'
1557	CABBAGE PALM	15"	16'
1620	PALM	12"	8'
1622	PALM	12"	8'
1623	PALM	12"	8'
1624	PALM	12"	8'
1627	PALM	12"	7'
1628	PALM	12"	8'
1630	PALM	12"	8'
1631	PALM	12"	7'
1750	PINK TABEBUIA	9"	
1751	PINK TABEBUIA	7"	
1752	PALM	12"	4'
1757	MAPLE	8"	
1758	MAPLE	8"	
1769	PALM	24"	4'
1770	PALM	24"	4'
1800	YELLOW TABEBUIA	15"	
1823	UNKNOWN	18"	
1854	PALM	12"	6'
1855	PALM	12"	6'
1881	BLACK OLIVE	24"	
1882	BLACK OLIVE	16"	
1883	PALM	12"	7'
1884	PALM	12"	7'
1885	PALM	12"	5'
1886	PALM	12"	8'
1887	UNKNOWN	8"	
1888	UNKNOWN	8"	
1889	ROYAL PALM	16"	16"
1890	CABBAGE PALM	12"	11"
1891	CABBAGE PALM	12"	12'
1893	CABBAGE PALM	12"	13'
1897	PALM	12"	4'
1898	PALM	8"	4'
1899	BLACK OLIVE	24"	
1903	BLACK OLIVE	24"	
2080	CABBAGE PALM	12"	21'
2081	UNKNOWN	6"	
2083	CABBAGE PALM	9.00	9'
2097	CABBAGE PALM	12"	18'
2098	UNKNOWN	12"	
2216	LIGUSTRUM	9"	
2220	OAK	15"	
2221	UNKNOWN	3"	
2223	UNKNOWN	3"	
2224	BLACK OLIVE	3"	
2225	UNKNOWN	3"	
2249	UNKNOWN	12"	
2251	CABBAGE PALM	12"	19'
2252	CABBAGE PALM	12"	15'
2253	CABBAGE PALM	12"	13'
2254	CABBAGE PALM	12"	15'
2269	CABBAGE PALM	12"	17'
2270	CABBAGE PALM	12"	15'
2271	CABBAGE PALM	10"	13'
2272	CABBAGE PALM	12"	13'
2273	CABBAGE PALM	14"	18'
2274	CABBAGE PALM	12"	13'
2275	CABBAGE PALM	10"	17'
2276	CABBAGE PALM	14"	18'
2277	OAK	20"	
2278	OAK	20"	
2279	OAK	16"	
2280	OAK	20"	
2281	OAK	18"	
2282	OAK	18"	
2283	UNKNOWN	12"	
2284	FICUS	60"	
2285	OAK	22"	
2286	UNKNOWN	10"	
2287	UNKNOWN	10"	
2288	UNKNOWN	10"	
2289	UNKNOWN	8"	
2290	OAK	22"	
2291	OAK	20"	
2292	OAK	10"	
2293	OAK	8"	
2294	CABBAGE PALM	10"	16'
2295	CABBAGE PALM	10"	19'
2296	CABBAGE PALM	10"	18'
2297	ROYAL PALM	16"	17'
2298	ROYAL PALM	16"	18'
2299	ROYAL PALM	16"	14'
2300	ROYAL PALM	24"	20'



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66	695468.415	923628.862	N/A	FOUND NAIL HOLE. SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". EQUATION STATION. COCONUT CREEK PKWY BASELINE STATION 15+20.00 = END BASELINE 40+00.00 NW 45th AVE.
101	695477.948	923628.661	N/A	FOUND BOAT SPIKE. N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42
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SEE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS  
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DATE OF SURVEY: 01/15/14  
DRAWN: WDLR  
CHECKED: JDS  
BOOK/PAGES: 846/17-28  
& FIELD DATA COLLECTOR

REVISION: 02/06/14 DR  
05/06/14 WDLR  
06/11/14 WDLR  
06/13/14 WDLR  
09/29/14 WDLR

NO. 1: ADD STORM DRAINAGE AND SANITARY SEWER AS-BUILTS  
2: UPDATE NOTE #6 WITH CURRENT FEMA FIRM MAP No./DATE  
3: ADDITIONAL SPOT ELEV. FOR PROPOSED TURN LANE  
3b: SURVEY TO TEST HOLES. ADJUST UTILITY LINES  
4: SURVEY TO TEST HOLES 11.11A.12. ADJUST UTILITY LINES  
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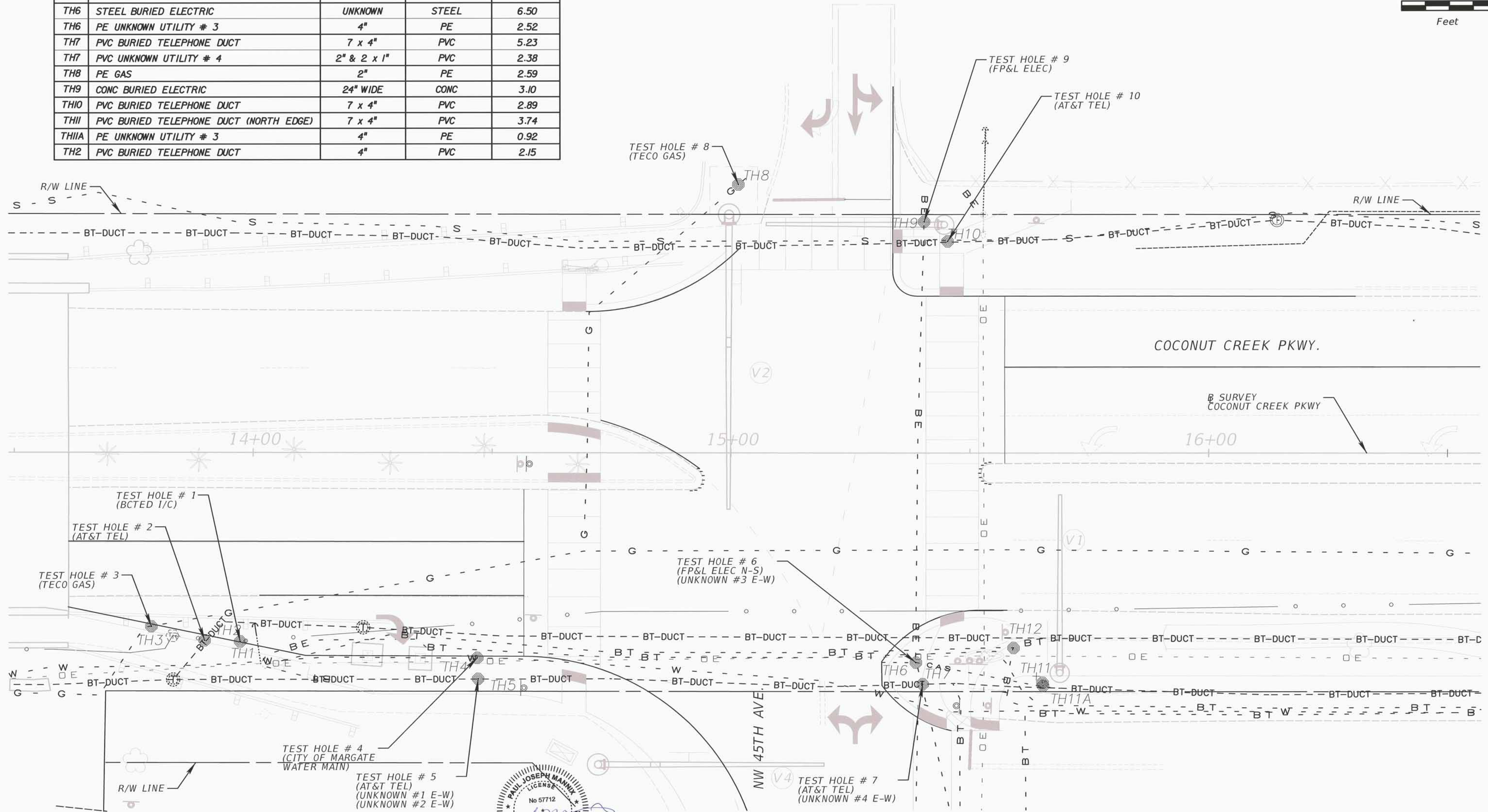
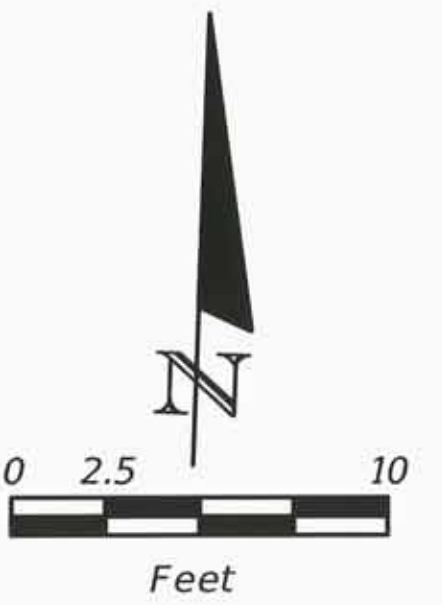
TEL (954) 585-0897  
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**STONER & ASSOCIATES, Inc.**  
SURVEYORS - MAPPERS  
Florida Licensed Survey  
and Mapping Business No. 6633  
4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314

SKETCH OF BOUNDARY & TOPOGRAPHIC SURVEY  
PROPOSED FIRE STATION 50  
PARCELS "B" AND "D"  
COCONUT CREEK PARKPLEX PLAT, P.B. 173, PG. 65, B.C.R.  
CITY OF COCONUT CREEK, BROWARD COUNTY, FL

PROJECT  
13-8004  
SHEET NO.  
CTL-3

SUMMARY VERIFIED UTILITY LOCATIONS				
VVH	UTILITY DESCRIPTION	SIZE	MATERIALS	MANUAL DEPTH
TH1	PVC TRAFFIC SIGNAL (AT&T)	2"	PVC	2.96
TH2	PVC BURIED TELEPHONE DUCT	4"	PVC	3.67
TH3	PE GAS	4"	PE	6.28
TH4	DIP WATER MAIN LINE	12"	DIP	5.24
TH5	PVC BURIED TELEPHONE DUCT	7 x 4"	PVC	3.88
TH5	PVC UNKNOWN UTILITY # 1	3"	PVC	1.90
TH5	PVC UNKNOWN UTILITY # 2	2 x 1"	PVC	1.24
TH6	STEEL BURIED ELECTRIC	UNKNOWN	STEEL	6.50
TH6	PE UNKNOWN UTILITY # 3	4"	PE	2.52
TH7	PVC BURIED TELEPHONE DUCT	7 x 4"	PVC	5.23
TH7	PVC UNKNOWN UTILITY # 4	2" & 2 x 1"	PVC	2.38
TH8	PE GAS	2"	PE	2.59
TH9	CONC BURIED ELECTRIC	24" WIDE	CONC	3.10
TH10	PVC BURIED TELEPHONE DUCT	7 x 4"	PVC	2.89
TH11	PVC BURIED TELEPHONE DUCT (NORTH EDGE)	7 x 4"	PVC	3.74
TH11A	PE UNKNOWN UTILITY # 3	4"	PE	0.92
TH2	PVC BURIED TELEPHONE DUCT	4"	PVC	2.15



REVISIONS	
DATE	DESCRIPTION

**ATKINS**  
 482 SOUTH KELLER ROAD  
 ORLANDO, FLORIDA 32810  
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24  
 PAUL J. MANNIX, P.E. 57712

**COCONUT CREEK**  
**FLORIDA**

**PUBLIC WORKS DEPARTMENT**  
**HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION**

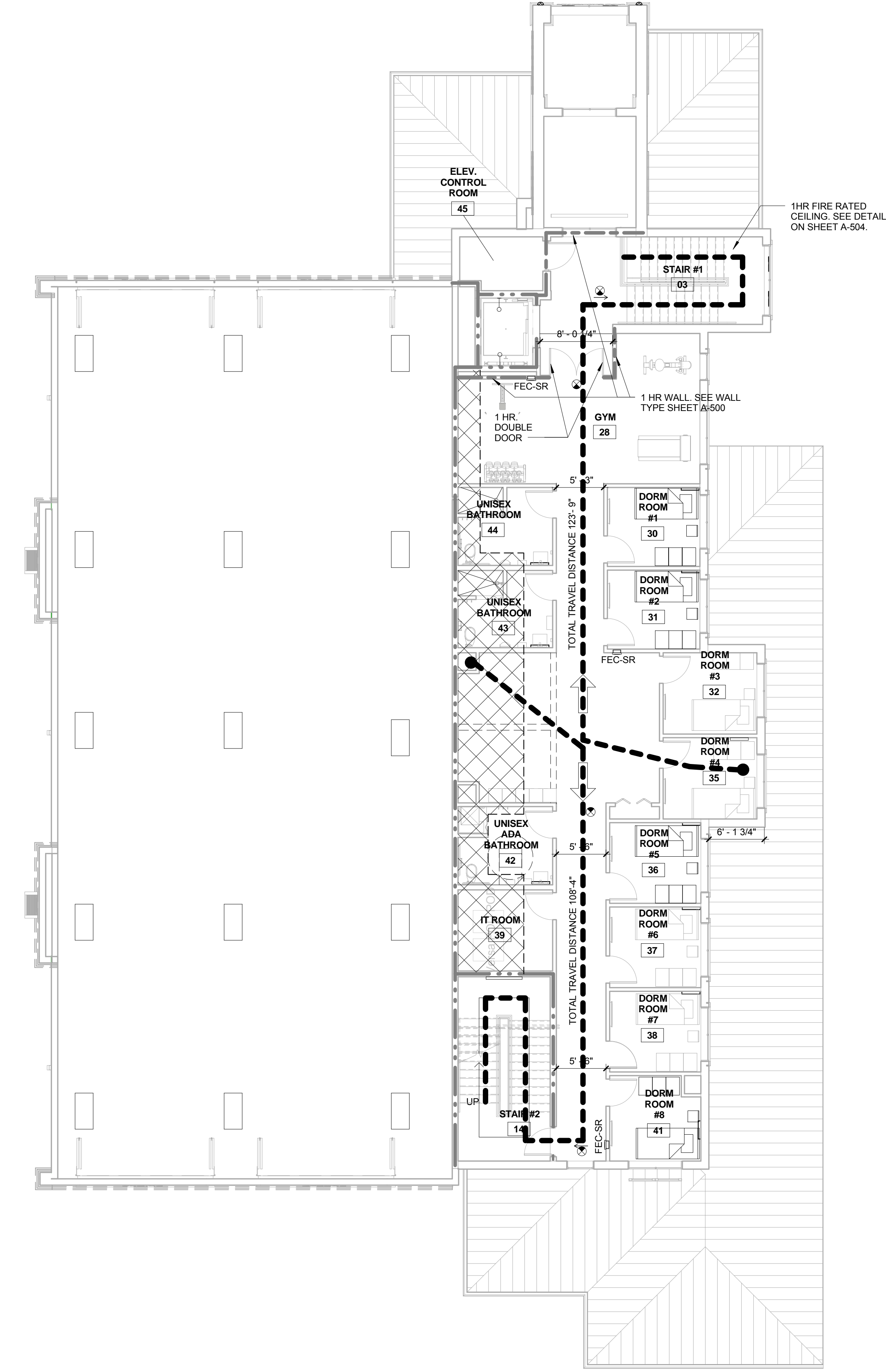
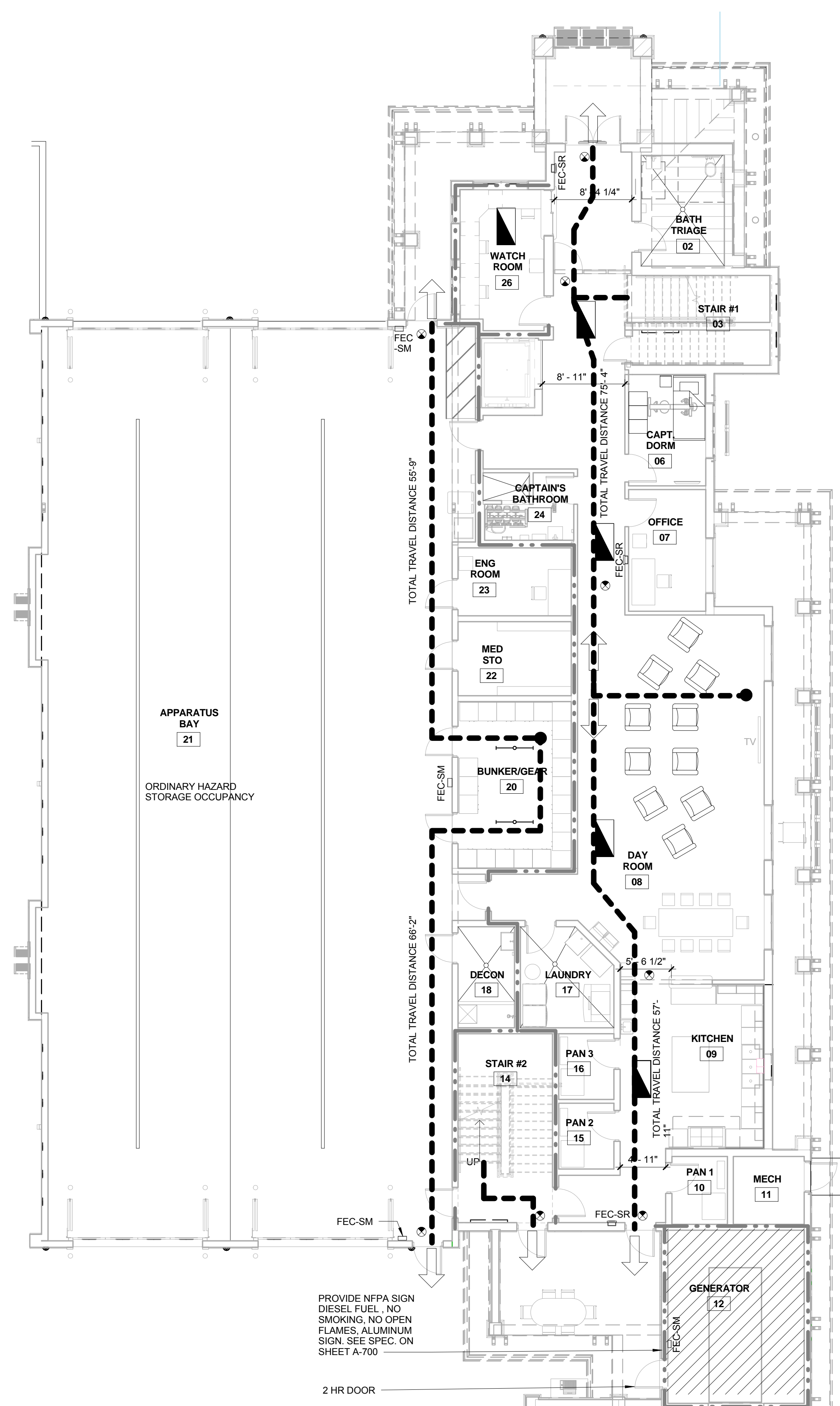
CITY	INTERSECTION	COUNTY PROJECT NO.
COCONUT CREEK	COCONUT CREEK PKWY AT NW 45TH AVE	140828001

**SUMMARY OF VERIFIED UTILITIES**

SHEET NO.  
 UTV-1

**LEGEND:**

- DENOTES 1 HOUR RATED WALL SEPARATION
- DENOTES 2 HOUR RATED WALL SEPARATION
- DENOTES PATH OF TRAVEL
- 2 HR. MIN. FIRE RATED CONCRETE CEILING SLAB
- 1 HR. MIN. FIRE RATED CONCRETE FLOOR SLAB
- EXIT SIGN (HAND WIRED BATTERY BACK-UP) SEE LIGHTING DRAWINGS.
- SURFACE MOUNTED FIRE EXTINGUISHER CABINETS (SEE LIFE SAFETY PLAN FOR LOCATIONS) SHALL BE LARSEN ARCHITECTURAL SERIES #2409-SM, STAINLESS STEEL SURFACE MOUNTED W/ SQUARE EDGES AND DUO ACRYLIC DOOR WITH DIE CAST LETTERING IN RED, WITH MP5 UL RATED 2A-10B:C FIRE EXTINGUISHERS. INSTALL CABINETS WITH HANDLES NO MORE THAN 48" A.F.F.
- SEMI-RECESSED FIRE EXTINGUISHER CABINETS (SEE LIFE SAFETY PLAN FOR LOCATIONS) SHALL BE LARSEN ARCHITECTURAL SERIES #2409-R3 STAINLESS STEEL SEMI-RECESSED W/ SQUARE EDGES AND DUO ACRYLIC DOOR WITH DIE CAST LETTERING IN RED, WITH MP5 UL RATED 2A-10B:C FIRE EXTINGUISHERS. THIS CABINET MUST BE MOUNTED WITH ITS LEADING EDGE OR BELOW 27" A.F.F. TO COMPLY WITH ADA PROJECTION GUIDELINES F.B.C. CONTRACTOR TO PROVIDE SHOP DRAWING SUBMITTAL OF CABINETS AND EXTINGUISHER PRIOR TO ORDERING.



BUILDING CODE INFORMATION																										
<b>GOVERNING CODE:</b>	FLORIDA BUILDING CODE 2010 EDITION FLORIDA FIRE PREVENTION CODE 2010 EDITION FLORIDA ACCESSIBILITY CODE 2010 EDITION NFPA 101 2009 ED.																									
<b>PROPERTY ADDRESS:</b>	NW 45TH AVENUE & COCONUT CREEK PARKWAY COCONUT CREEK, FL 33066																									
<b>CONSTRUCTION TYPE AS PER TABLE 503</b>	III-B																									
MAX. # OF STORIES PERMITTED:	2																									
MAX. # OF STORIES PROVIDED:	2																									
MAX. # AREA PERMITTED:	29,000 SF																									
<b>AREA CALCULATIONS:</b>																										
FIRST FLOOR:	4,060 SF																									
SECOND FLOOR:	3,164 SF																									
APPARATUS BAY:	4,617 SF																									
TOTAL AREA (BLDG.) PROVIDED:	11,841 SF																									
<b>BUILDING HEIGHT:</b>	36' 4" TOP OF RIDGE (31' 3" MEDIAN HGT)																									
<b>CONSTRUCTION:</b>	CMU, CONCRETE STRUCTURE, STEEL ROOF STRUCTURE																									
<b>CATEGORY OF BUILDING FOR WINDSTORM AS PER ASCE 710.</b>	FIRE RETARDANT WOOD FRAMING COMPLYING WITH SECTION 2303.2 SHALL BE PERMITTED WITHIN EXTERIOR WALL ASSEMBLIES OF A 2 HOUR RATING OR LESS.																									
<b>FIRE RESISTANCE RATINGS PER TABLE 601</b>																										
BUILDING ELEMENT	TYPE III-B																									
STRUCTURAL FRAME	0																									
BEARING WALLS	0																									
EXTERIOR	2																									
INTERIOR	0																									
NON BEARING- EXTERIOR	0																									
INTERIOR PARTITIONS	0																									
FLOOR CONSTRUCTION	0																									
ROOF CONSTRUCTION	0																									
FIRE SPRINKLERS	PROVIDED																									
<b>CLASSIFICATION OF WORK:</b>	NEW CONSTRUCTION PER FLORIDA BUILDING CODE 2010																									
<b>OCCUPANCY: MULTI-USE</b>	R2 "LODGING OR ROOMING HOUSE" PER FBC 2010 ED. CH.3 & NFPA 101 2009 ED. CH. 4 CALCULATION: 1 PERSON PER DORM = 9 OCCUPANT LOAD CALCULATIONS PER NFPA 101 2009 ED. CH. 7 TABLE 7.3.1.2 S2 "STORAGE ORDINARY HAZARD" = APPARATUS BAY AREA																									
<b>EGRESS:</b>	PER F.B.C. CHAPTER 10 & NFPA 101 CH. 22																									
MAX. TRAVEL DISTANCE PERMITTED:	200'-0"																									
MAX. TRAVEL DISTANCE PROVIDED:	123'-9"																									
MIN. CORRIDOR WIDTH REQUIRED:	3'-8"																									
CORRIDOR WIDTH PROVIDED:	5'-0"																									
MAX. DEAD END CORRID. PERMITTED:	50'-0"																									
MAX. DEAD END CORRID. PROVIDED:	NONE																									
EGRESS WIDTH PER PERSON	0.2' LEVEL																									
MINIMUM CLEAR OPENING REQUIRED	32"																									
EXITS REQUIRED PER F.B.C. TABLE 1015.1	2																									
EXITS PROVIDED:	5																									
CLASSIFICATION OF HAZARD OF CONTENTS PER NFPA 101 SECTION 26.1.5	ORDINARY HAZARD CONTENTS																									
FIRE EXTINGUISHER TYPE - TYP.	MP5 UL RATING 2A-10B:C																									
FIRE EXTINGUISHER TYPE - AT GENERATOR ROOM 12	MP6 UL RATING 3A-40B:C																									
TOTAL FIRE EXTINGUISHERS PROVIDED PER NFPA 10 MAX. TRAVEL DISTANCE TO EXTINGUISHERS 75':	10																									
EMERGENCY LIGHTING	SEE ELECTRICAL LIGHTING PLAN																									
<b>PLUMBING FIXTURE CALCULATIONS:</b>	PER FLORIDA PLUMBING CODE 2010 ED. TABLE 403.1																									
	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">WC</th> <th colspan="2">LAV</th> <th rowspan="2">DRINKING FOUNTAIN</th> <th rowspan="2">OTHER</th> </tr> <tr> <th>W</th> <th>M</th> <th>W</th> <th>M</th> </tr> </thead> <tbody> <tr> <td>REQUIRED</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1 Per 100</td> <td>1 Service Sink</td> </tr> <tr> <td>PROVIDED</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>1</td> <td>1</td> </tr> </tbody> </table>		WC		LAV		DRINKING FOUNTAIN	OTHER	W	M	W	M	REQUIRED	1	1	1	1	1 Per 100	1 Service Sink	PROVIDED	4	4	4	4	1	1
	WC		LAV		DRINKING FOUNTAIN	OTHER																				
	W	M	W	M																						
REQUIRED	1	1	1	1	1 Per 100	1 Service Sink																				
PROVIDED	4	4	4	4	1	1																				
	W = Women M = Men																									
	NOTE: PLUMBING FIXTURE CALCULATIONS ARE BASED ON HALF THE OCCUPANT LOAD PER FBC 2010 ED. SEC. 403.1.1; 9/2 = 4.5 = 5																									
<b>ADA TOILET ROOM REQUIREMENTS:</b>	PER FLORIDA ACCESSIBILITY PLUMBING CODE 2010 ED. SEC. 213.3.1																									
ADA TOILET ROOMS PROVIDED= 2																										

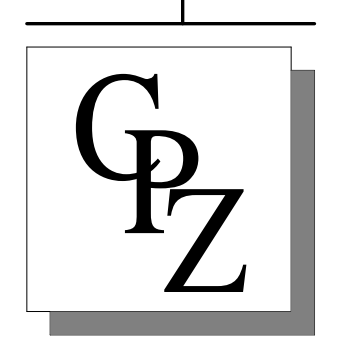
NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
1	ISSUE SET	09-04-14
1	ADDENDUM #1	

CONSULTANT:

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Life Safety

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

LS-100

**FIRST FLOOR LIFE SAFETY PLAN**  
SCALE: 1/8" = 1'-0"

**SECOND FLOOR LIFE SAFETY PLAN**  
SCALE: 1/8" = 1'-0"

DATE:



Table with 7 columns: GENERAL NOTES, GENERAL NOTES, CONSTRUCTION NOTES, REFLECTED CEILING NOTES, POWER & COMMUNICATION NOTES, POWER & COMMUNICATION NOTES, FINISH NOTES. Each column contains detailed technical specifications and requirements for construction, electrical, and finishing work.

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**FIRE STATION 50**  
4500 COCONUT CREEK PARKWAY, SUITE 106  
COCONUT CREEK, FLORIDA, 33066  
**CPZ ARCHITECTS, INC.**  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 952-8253 FAX: (954) 337-0559  
AN 15060868 WWW.CPZARCHITECTS.COM

DRAWING TITLE:

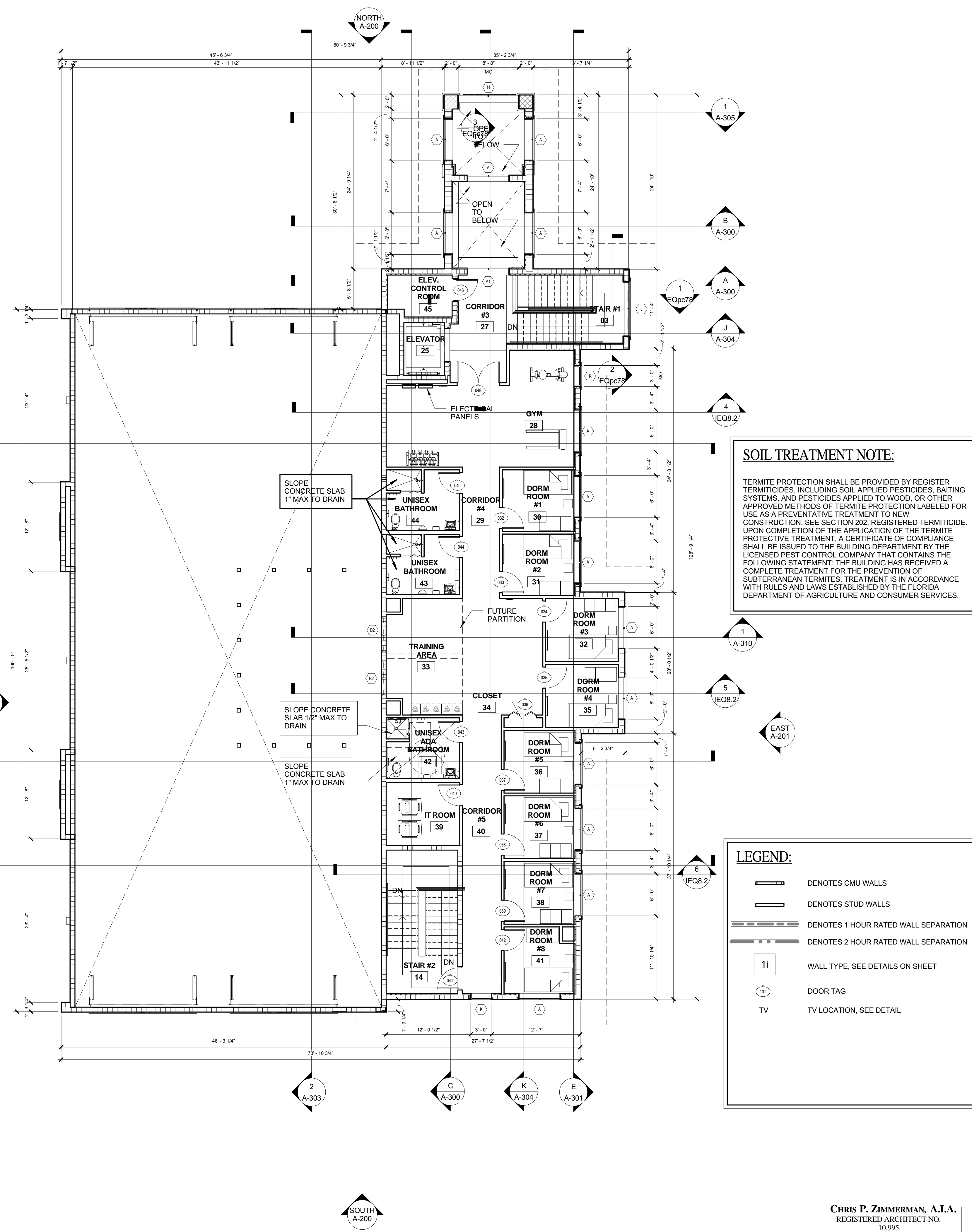
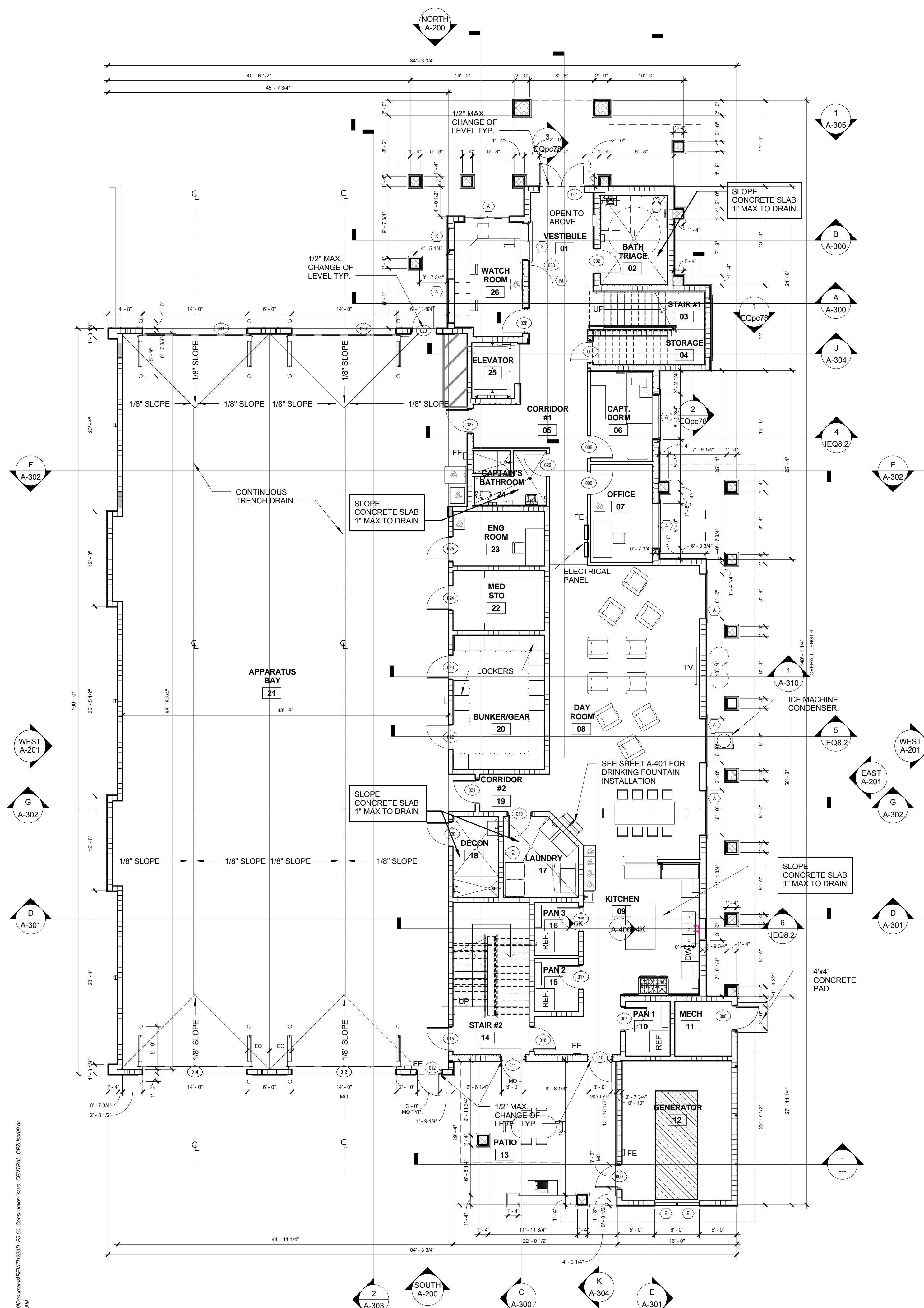
General Notes  
DRAWN: R/JMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 12200  
SHEET:

**A-001**

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 161995  
STATE OF FLORIDA

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	09-04-14
3	ADDENDUM #1	09-04-14
4	LEED REV #1	10-06-14

CONSULTANT:



**SOIL TREATMENT NOTE:**

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. SEE SECTION 202. REGISTERED TERMITICIDE. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

**LEGEND:**

- DENOTES CMU WALLS
- DENOTES STUD WALLS
- DENOTES 1 HOUR RATED WALL SEPARATION
- DENOTES 2 HOUR RATED WALL SEPARATION
- WALL TYPE, SEE DETAILS ON SHEET
- DOOR TAG
- TV LOCATION, SEE DETAIL

**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**FIRE STATION 50**  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223  
FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Overall First & Second Floor Plan

DRAWN: RJMG  
CHECKED:  
DATE: 07-25-2014  
SCALE: 1/8" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

**A-100**

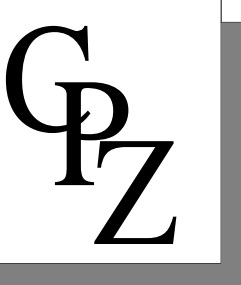
DATE:

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**FIRE STATION 50**  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233 FAX: (954) 337-0359  
AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Partial Enlarged First Floor Plan

DRAWN: RJMG

CHECKED: Checker

DATE: 07-25-2014

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

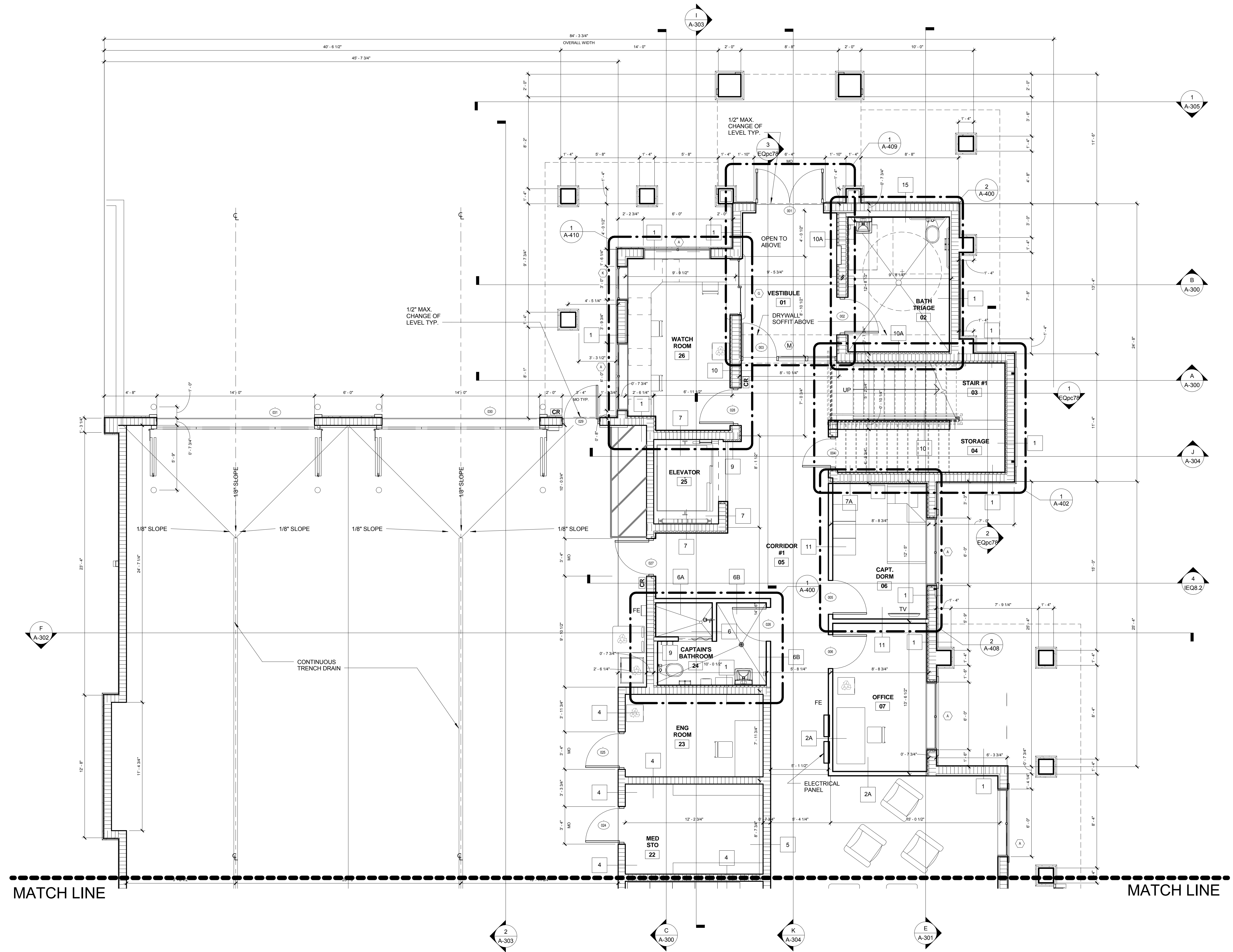
PROJECT NO. 1220D

SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO.  
10395  
STATE OF FLORIDA

DATE:

**A-101**

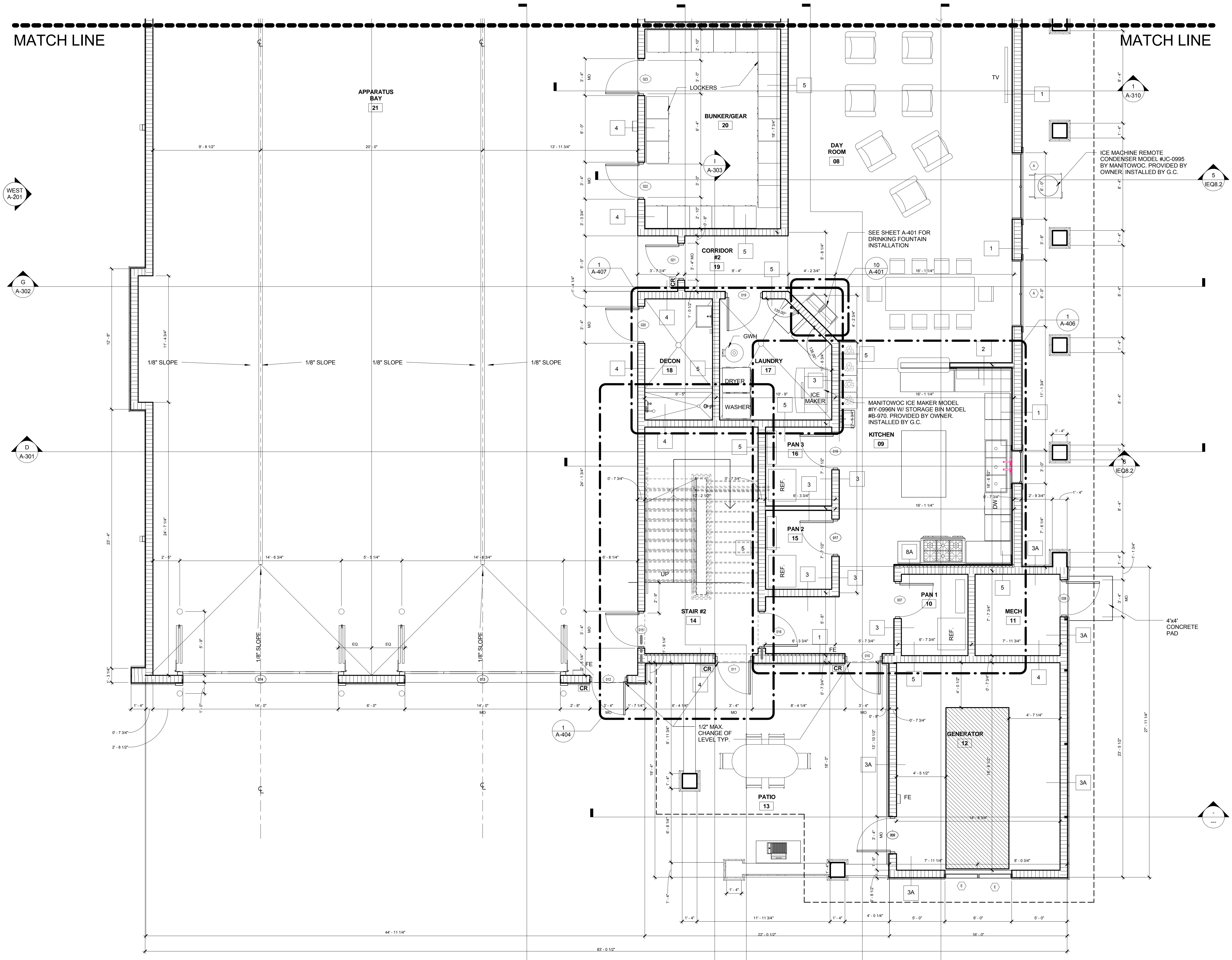


**FIRST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

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 1/4/2014 8:32:07 AM

MATCH LINE

MATCH LINE



NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
 4316 WESTBOWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 AN 15206668 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Partial Enlarged First Floor Plan

DRAWN: Author  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: 1/4" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO.  
 10395  
 STATE OF FLORIDA

**FIRST FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"

A-101A

DATE:

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NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**FIRE STATION 50**  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8253 FAX: (954) 337-0359  
AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

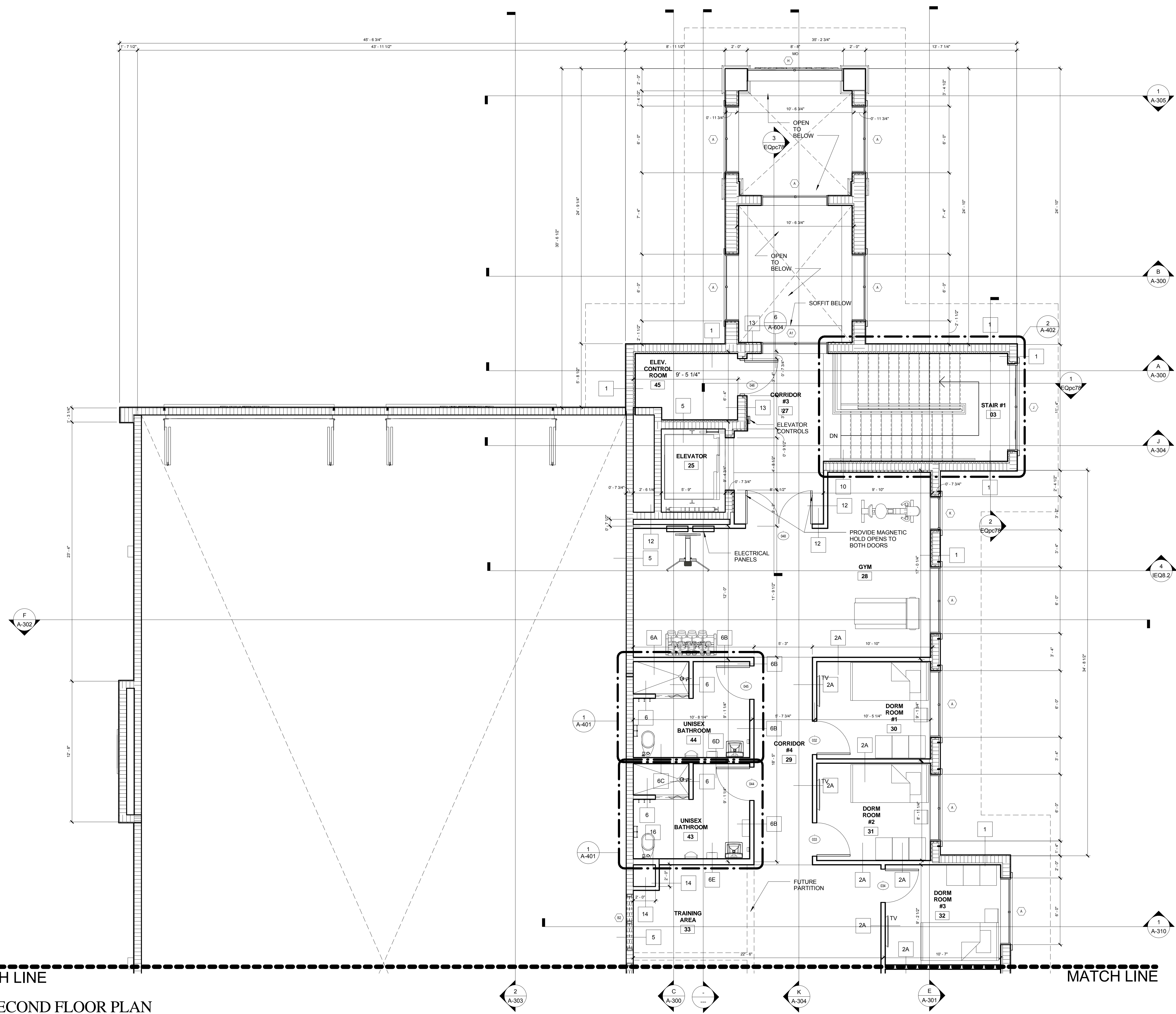
Partial Enlarged  
Second Floor Plan

DRAWN: RJMG  
CHECKED:  
DATE: 07-25-2014  
SCALE: 1/4" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO.  
10595  
STATE OF FLORIDA

DATE:

**A-102**

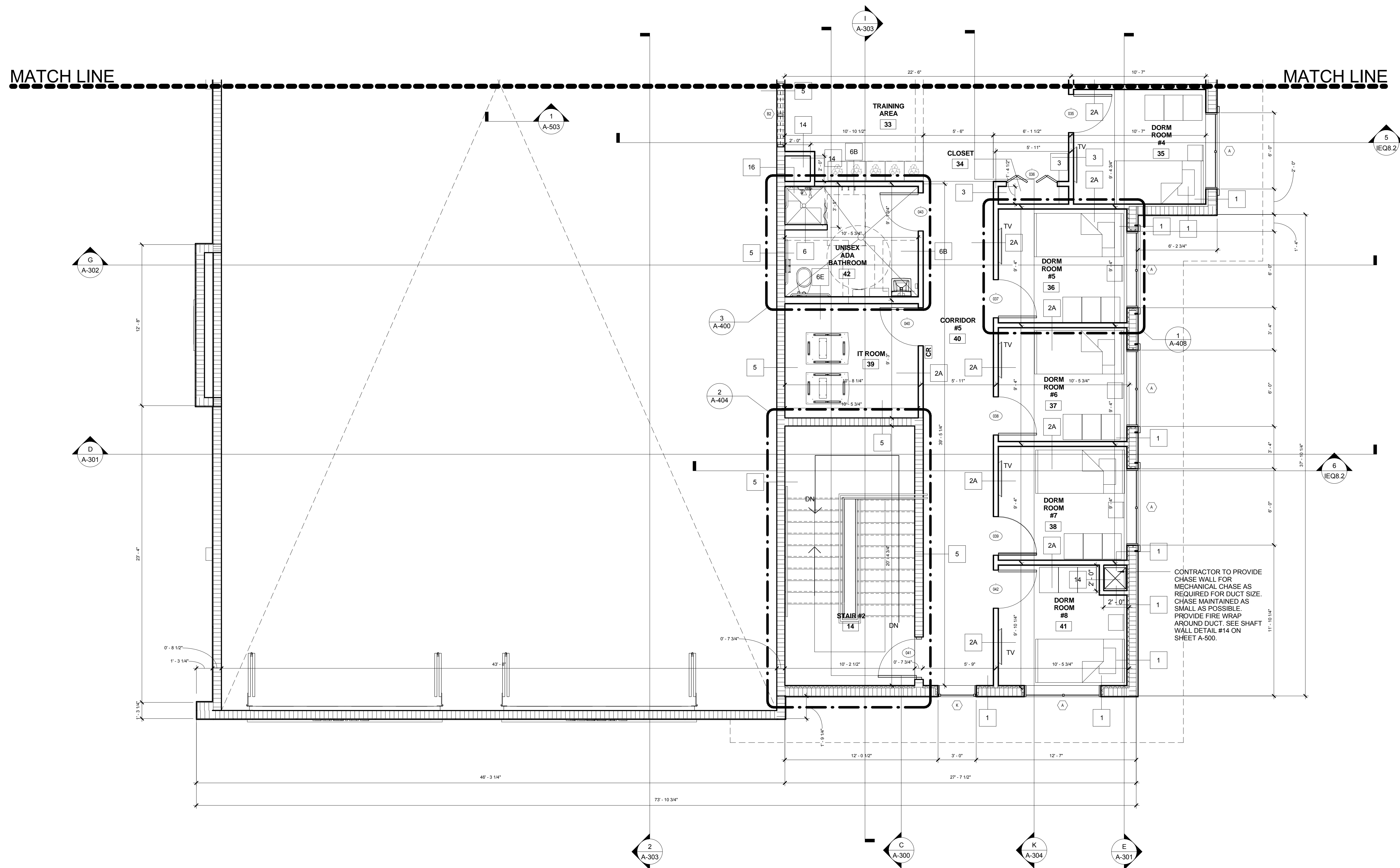


**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

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NO.	REVISION	DATE
	CONSTRUCTION	07-25-2014
	ISSUE SET	
1.	ISSUE SET	10-08-14

CONSULTANT:



**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM  
AN 15200686



DRAWING TITLE:  
**Partial Enlarged  
Second Floor Plan**

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/4" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

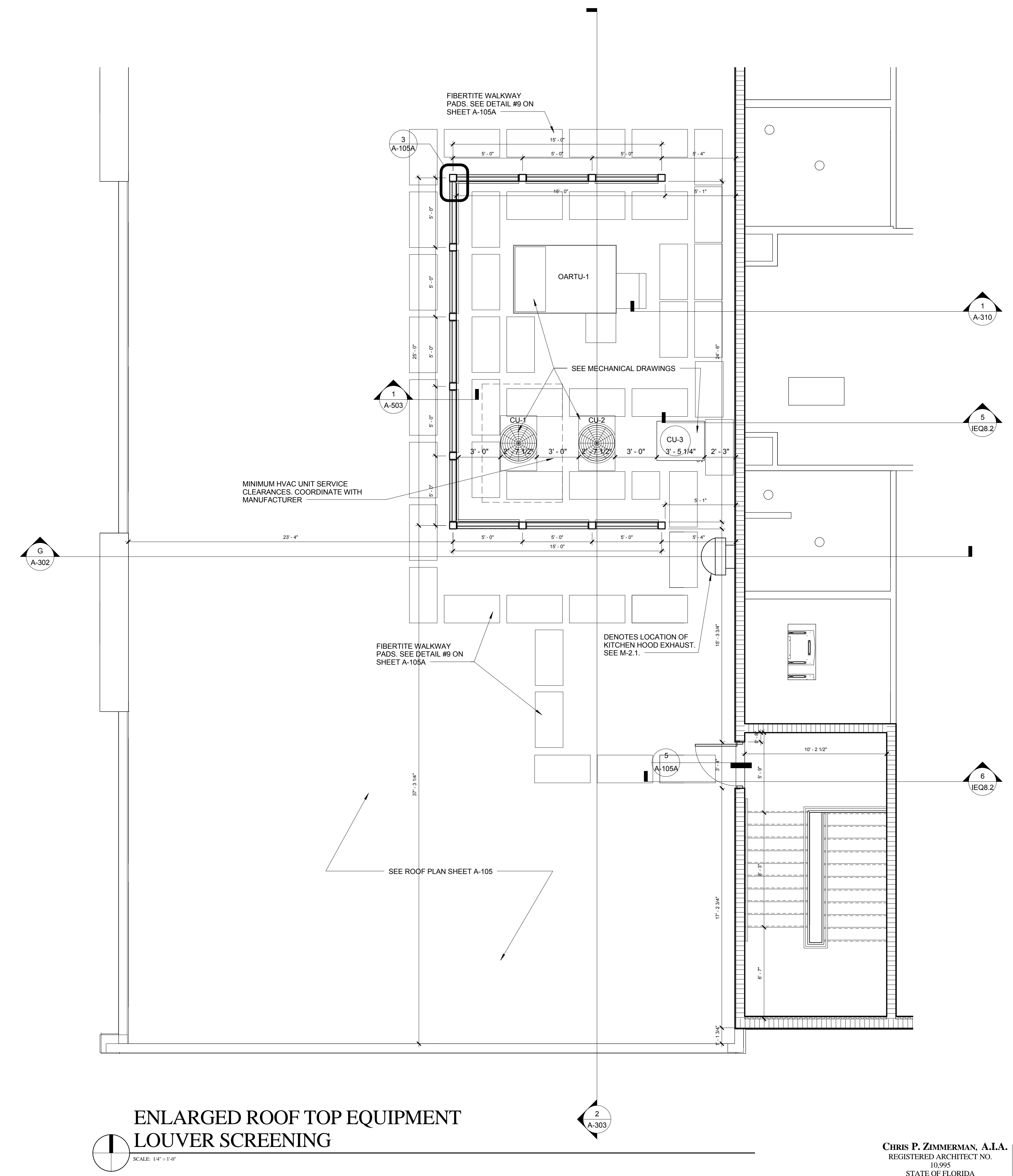
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DATE:

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NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:



**ENLARGED ROOF TOP EQUIPMENT LOUVER SCREENING**  
 SCALE: 1/4" = 1'-0"

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10595  
 STATE OF FLORIDA

DATE:

**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8223 FAX: (954) 337-0359  
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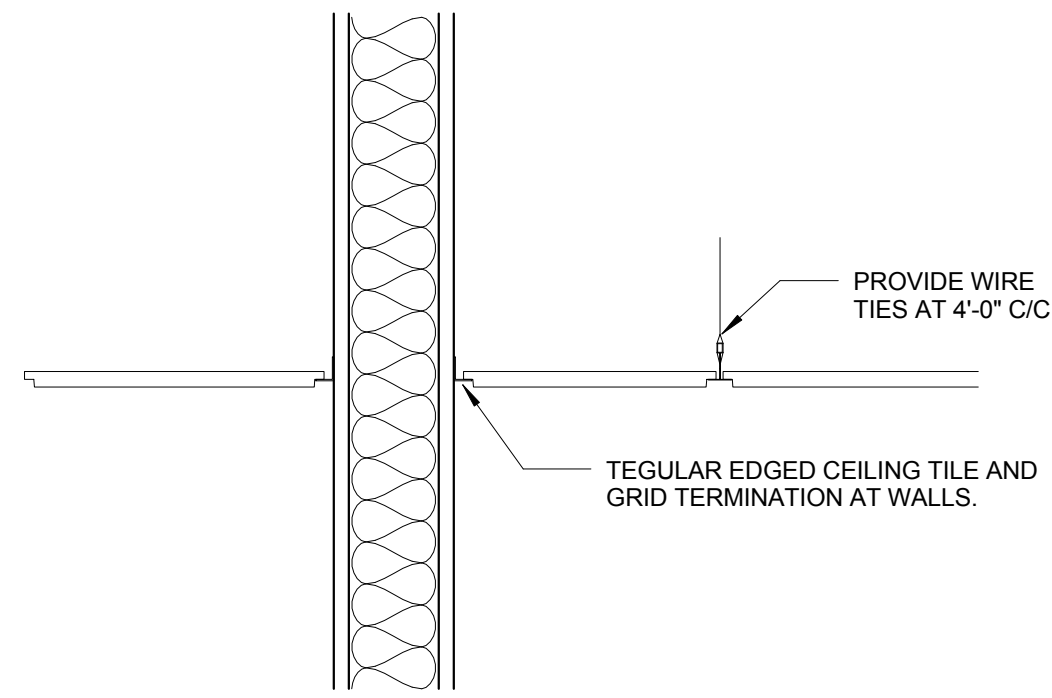


DRAWING TITLE:

**Partial Third Floor Plan & Reflected Ceiling Plan**

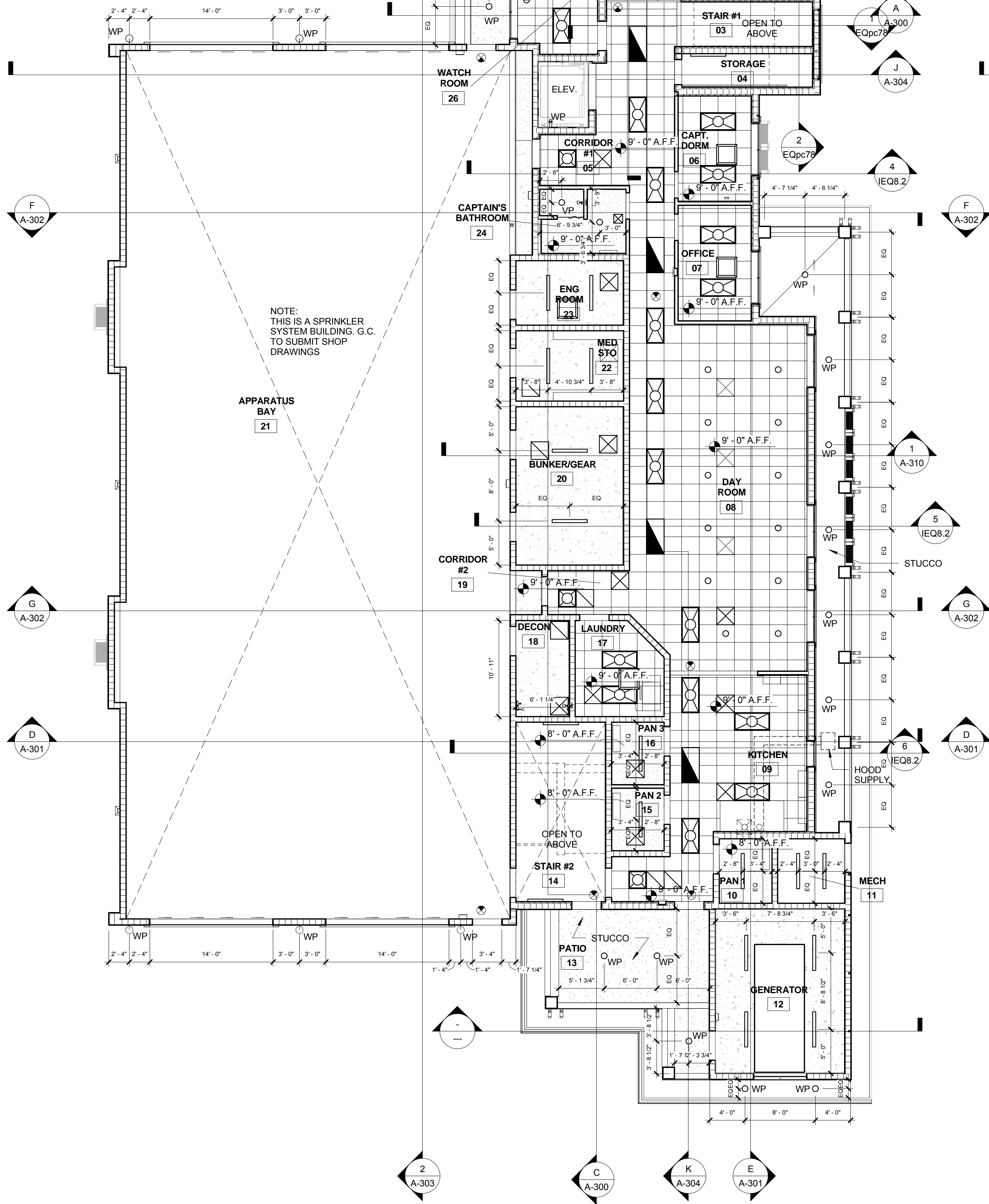
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CHECKED:	CPZ
DATE:	07-25-2014
SCALE:	1/4" = 1'-0"
PROJECT NO.:	1220D
SHEET:	

**A-103**



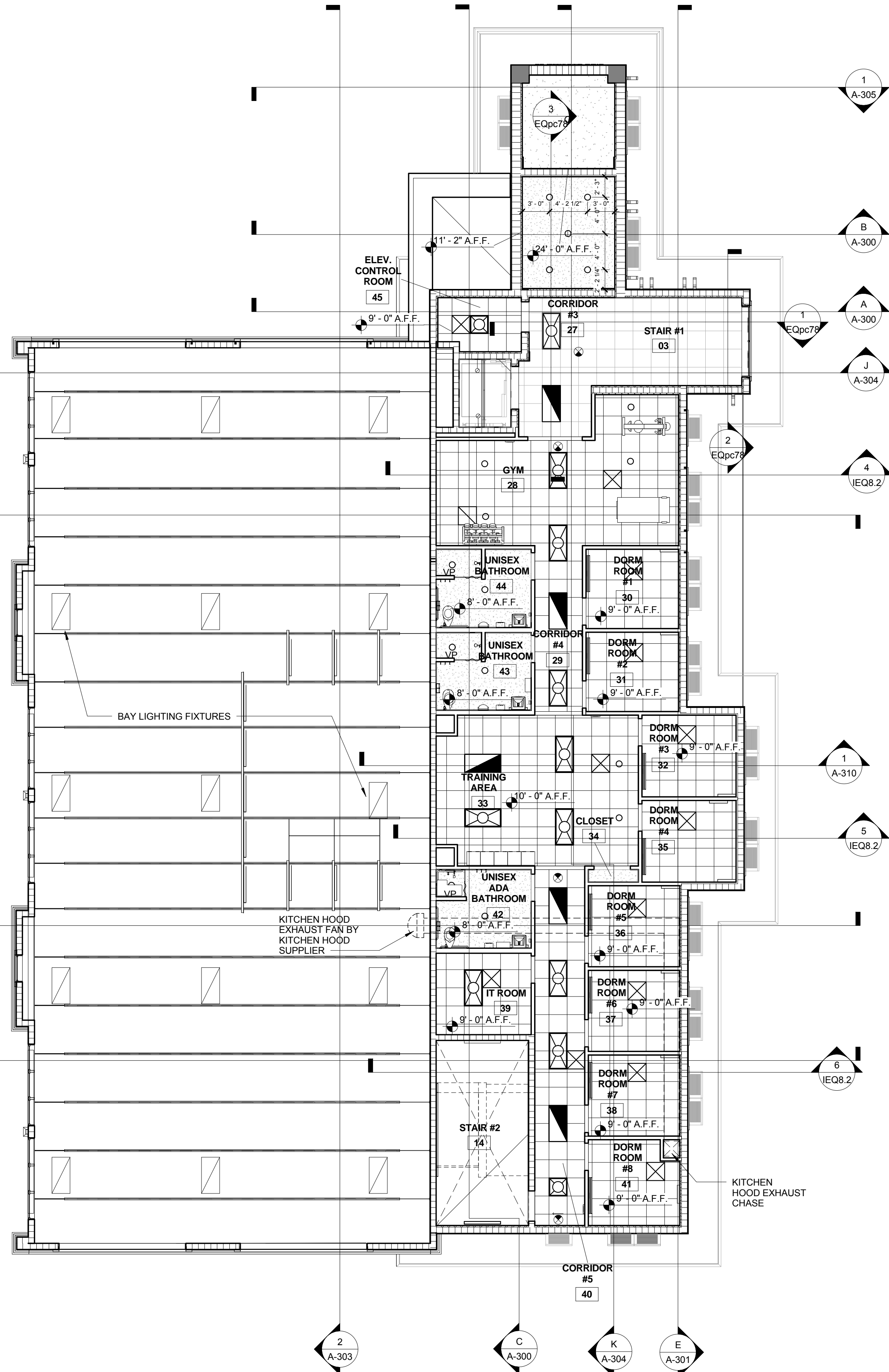
TYP. CEILING EDGE DETAIL

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



FIRST FLOOR REFLECTED CEILING PLAN

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



SECOND FLOOR REFLECTED CEILING PLAN

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

LEGEND:

- 2' x 2' ACOUSTICAL TILE
  - GYP. BOARD CEILING
  - STUCCO CEILING
  - CONCRETE (SECOND LEVEL FLOOR SLAB)
  - RETURN AIR GRILL
  - AIR DIFFUSER
  - 2' x 4' LED LIGHT FIXTURE (RECESSED)
  - 2' x 4' LED LIGHT FIXTURE (SURFACE MOUNTED)
  - 2' x 2' LED LIGHT FIXTURE
  - CEILING RECESSED LED LIGHT FIXTURE
  - SURFACE WALL MOUNTED LED LIGHT FIXTURE
  - LED PENDANT LIGHT FIXTURE
  - SURFACE MOUNTED LED UTILITY LIGHT FIXTURE
  - WALL MOUNTED READING LED LIGHT FIXTURE WITH PULL STRING (VERIFY BED LOCATION)
  - LED STRIP LIGHT IN COVE
  - ELEVATOR PIT LIGHT
  - VAPOR PROTECTED
  - WEATHERPROOF
  - WALL MOUNTED EXIT SIGN
  - CEILING MOUNTED EXIT SIGN
- NOTE: SEE LIGHTING PLAN FOR MANUFACTURER MODEL OF ALL LIGHT FIXTURES.

CEILING NOTES:

1. ALL CEILING GRIDS SHALL BE CENTERED IN ROOM TO PROVIDE EDGE TILES GREATER THEN 1'-0", EXCEPT AS NOTED ON REFLECTED CEILING PLANS.
2. ALL TRIMMED TILES SHALL BE CUT TO HAVE A TEGULAR EDGE TO MATCH FACTORY EDGE.
3. ALL CEILINGS SHALL BE SUSPENDED LEVEL AND WITHOUT SAG.
4. TILES SHALL BE INSTALLED ONLY AFTER ALL MECHANICAL (DUCTS & DIFFUSERS), ELECTRICAL AND DATA/TELEPHONE LINES HAVE BEEN INSTALLED.
5. TILES SHALL ONLY BE STOCKED ON THE PROJECT AND INSTALLED AFTER THE BUILDING IS COMPLETELY WATER TIGHT AND THE AIR CONDITIONING SYSTEM HAS BEEN STARTED.

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
1	ISSUE SET	07-25-2014
1	USED REV #1	10-08-14

CONSULTANT:

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

First & Second Floor Reflected Ceiling Plan

DRAWN: RJMG  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: As Indicated  
 PROJECT NO. 1220D  
 SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

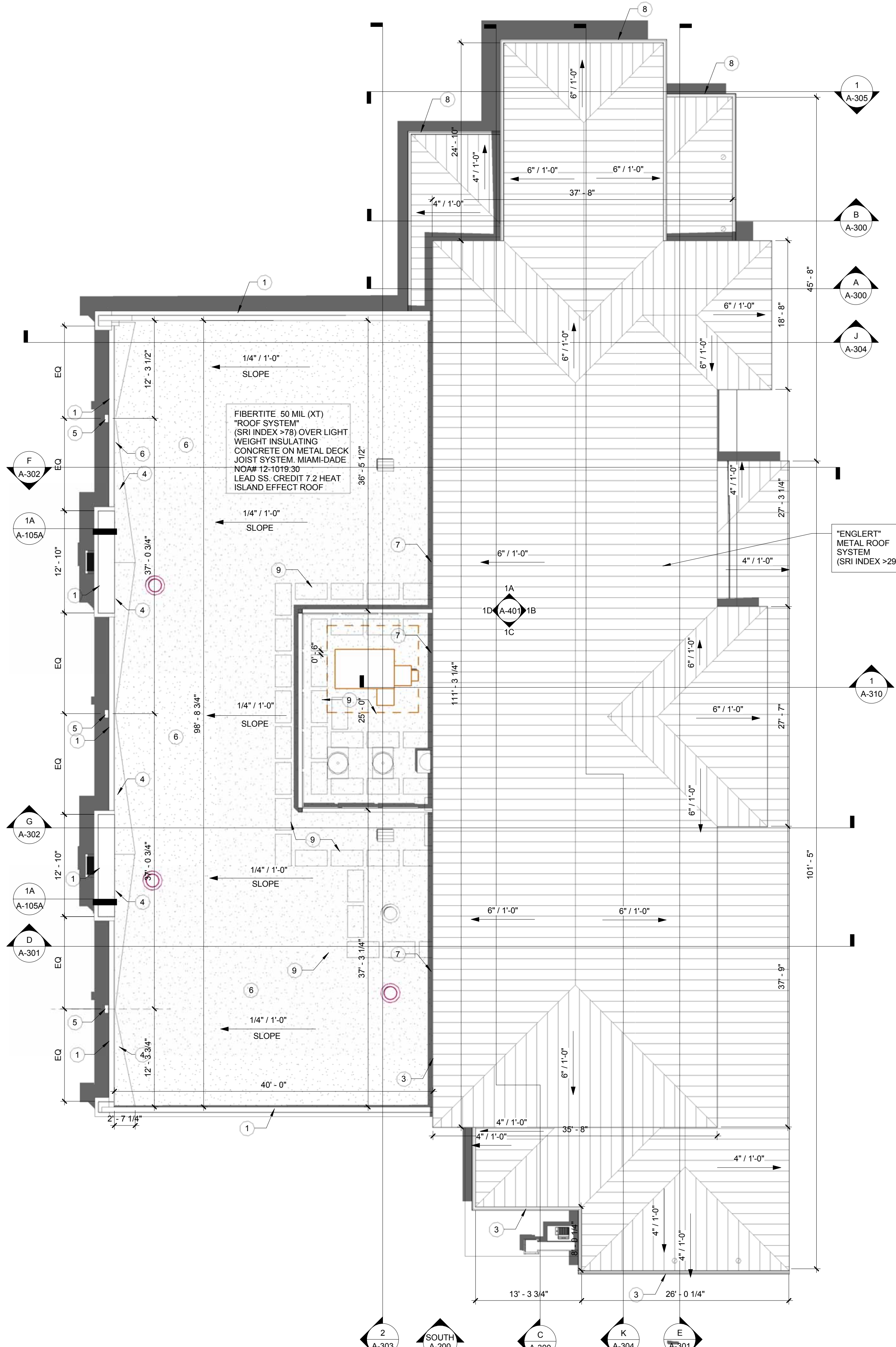
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DATE:

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1/4/2014 8:32:26 AM



**Roof Plan**  
SCALE: 1/8" = 1'-0"

**ROOF PLAN NOTES:**

1. PARAPET WALL FLASHING DETAIL #1 ON SHEET A-106.
2. 8x6 SCUPPER
3. SEE ROOF ACCESS CURB DETAIL #11 ON SHEET A-106.
4. CRICKET TYP.
5. SEE SCUPPER & DOWNSPOUT DETAIL #10 ON SHEET A-105A.
6. R-19 RIGID INSULATION BOARD.
7. SEE TYP. MEMBRANE WALL FLASHING DETAIL #4 ON SHEET A-106.
8. GUTTER SEE DETAIL #2 ON SHEET A-106.
9. "KEE" PROTECTION PAD BY FIBERTITE TYP.
10. OVERFLOW SCUPPER DETAIL.

**METAL ROOFING SPECIFICATION:**  
REFER TO STRUCTURAL DRAWINGS FOR ROOF DETAILS.  
ROOF SPECIFICATION FOR STEEP-SLOPED ROOF (4:12 AND 6:12 SLOPE)

ENGLERT SERIES S2000 1 3/4" INTEGRAL SNAP-LOCK METAL ROOF SYSTEM. NOA No. 06-0149  
COLOR: PRE WEATHERED GALVALUME - SRI = 53.1

**ROOF SURFACE AREA**

TOTAL ROOF SURFACE AREA (STEEP-SLOPE AND LOW-SLOPE) = 12,146 SF  
TOTAL STEEP-SLOPED ROOF SURFACE AREA (4:12 AND 6:12 SLOPE) = 7,798 SF  
TOTAL LOW-SLOPED ROOF SURFACE AREA = 4,348

A. METAL STANDING SEAM METAL ROOF OVER 5/8" FRT PLYWOOD.  
B. INSTALL PER FLORIDA BUILDING CODE PRODUCT APPROVAL.  
C. MIN. 25 YEAR INSTALLERS NON PRO-RATED, WITH NO FRESH WATER RINCE REQUIREMENT.  
D. MIN 20 YEAR "NO DOLLAR LIMIT" WEATHER TIGHTNESS WARRANTY INCLUSIVE OF ALL FLASHINGS AND PENETRATIONS. STANDING SEAM METAL ROOF COLOR ALUMINUM WARRANTY TO BE PRE WEATHERED GALVALUME 25 YEAR KYNAR 500HYLAR 5000 COATING.  
E. GUTTERS SHALL BE 6"x6" EXTRUDED METAL BY ENGLERT W/ COLOR AND FINISH TO MATCH ROOFING.  
F. DOWNSPOUT SHALL BE 4" x 4" EXTRUDED METAL BY ENGLERT W/ COLOR AND FINISH TO MATCH ROOFING.  
G. STANDING SEAM METAL ROOFING BY: ENGLERT.  
H. 2000 SERIES SNAP-LOCK STANDING SEAM SPACING AT 16" O.C. W/ 1 3/4" HIGH.  
I. STANDING SEAM COLOR TO BE PRE WEATHERED GALVALUME SRI 53.1 CONTRACTOR TO SUBMIT COLOR SAMPLE FOR REVIEW AND APPROVAL BY OWNER AND ARCHITECT.  
J. CONTRACTOR TO SUBMIT FLORIDA BUILDING CODE PRODUCT APPROVAL FOR PERMIT.  
K. CONTRACTOR TO SUBMIT ENGINEERED SIGNED AND SEALED SHOP DRAWINGS AND COLOR SAMPLES FOR APPROVAL FROM MANUFACTURER FOR REVIEW AND APPROVAL BY ARCHITECT.  
L. ALL ROOFING DETAILS SUBMITTED IN SHOP DRAWINGS SHALL BE FROM THE MANUFACTURER FOR THIS SPECIFIC PROJECT.  
M. CONTRACTOR SHALL HAVE MANUFACTURERS REPRESENTATIVE PERFORM (1) PRE ROOFING MEETING TO REVIEW PROJECT AND SHOP DRAWINGS AND (2) SITE VISITS/INSPECTIONS DURING CONSTRUCTION TO REVIEW OVERALL INSTALL TO ENSURE METAL ROOFING IS INSTALLED PER MANUFACTURERS RECOMAENDATION AND PER MANUFACTURERS ROOFING DETAILS.

**FIBERTITE ROOF SPECIFICATION:**  
NOA# 12-1019-30  
ROOFING SYSTEM TO BE FIBERTITE MEMBRANE SYSTEM. SYSTEM SHALL BE 50 MIL XT WHITE AND NDL (NO DOLLAR LIMIT) 20 YEAR WARRANTY. ROOFING SYSTEM SHALL BE INSTALLED OVER LIGHT WEIGHT INSULATING CONCRETE ON METAL DECK. ROOFING MANUFACTURER TO PROVIDE METRO-DADE COUNTY PRODUCT APPROVAL CERTIFICATION MEETING THE UP-LIFT REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS. ROOFING INSTALLER TO CONDUCT A PRE-ROOFING SITE CONSTRUCTION MEETING WITH THE ROOFING MANUFACTURERS REPRESENTATIVE PRIOR TO STARTING THE WORK. ROOFING INSTALLER SHALL SUBMIT SHOP DRAWINGS INCLUDING PRODUCT APPROVAL, ROOFING DETAILS AND CUT SHEETS OF ALL MATERIALS TO THE ARCHITECT FOR REVIEW AT LEAST 2 WEEKS PRIOR TO THE PRE-ROOFING MEETING. ROOFING CONTRACTOR SHALL INSTALL A COMPLETE SYSTEM WITH ALL ACCESSORIES FOR A WATERTIGHT ROOFING SYSTEM. FIBERTITE TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

**LIGHT WEIGHT INSULATING CONCRETE SPECIFICATION:**  
THE LIGHT WEIGHT INSULATING CONCRETE SYSTEM SHALL PROVIDE FOR A MINIMUM TOTAL INSULATION VALUE OF R-19.  
THE LIGHTWEIGHT CONCRETE SYSTEM AND THE SUPREMA ROOFING SYSTEM SHALL BE PROVIDED AS A COMPLETE SYSTEM AND A SINGLE SOURCE WARRANTY COVERING BOTH ITEMS SHALL BE PROVIDED BY THE ROOFING MANUFACTURER. THE WARRANTY SHALL BE AS SPECIFIED FOR THE FIBERTITE ROOFING AND INCLUDE THE LIGHT WEIGHT INSULATING CONCRETE.  
CONTRACTOR SHALL PROVIDE METRO DADE COUNTY PRODUCT APPROVAL FOR THE COMPLETE SYSTEM; LIGHT WEIGHT INSULATING CONCRETE AND ROOFING. AS THE INSULATION BOARD IS INSTALLED IT SHALL BE COMPLETELY COVERED IN THE SAME DAY AS IT IS INSTALLED. THE METAL DECK SHALL BE A 5% VENTED DECK OR AS REQUIRED BY LIGHT WEIGHT INSULATING CONCRETE MANUFACTURER. THIS COMPLETE SYSTEM SHALL BE CAPABLE OF THE WIND UPLIFT LOADS INDICATED ON THE STRUCTURAL DRAWINGS.  
CONTRACTOR SHALL ALLOW THE LIGHT WEIGHT CONCRETE TO CURE A MINIMUM OF 72 HOURS PRIOR TO ROOFING INSTALLATION. THE LIGHT WEIGHT CONCRETE DECK SHALL BE INSPECTED AND APPROVED BY THE ROOFING MANUFACTURER, PRIOR TO ROOFING INSTALLATION.

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY, W.  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317 FAX: (954) 377-0359  
PHONE: (954) 792-8253 WWW.CPZARCHITECTS.COM  
AN 12500685



DRAWING TITLE:

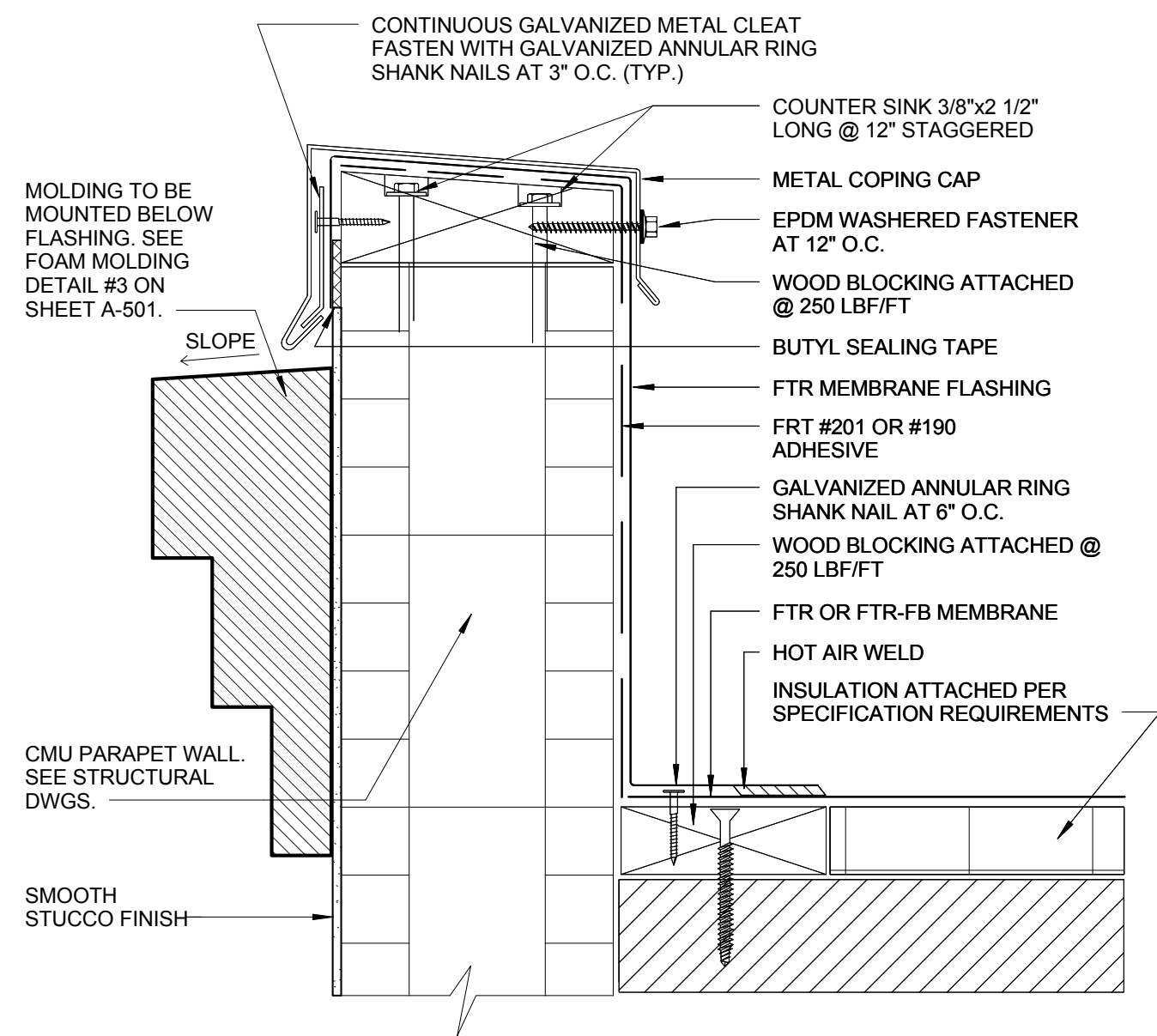
Roof Plan

DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/8" = 1'-0"  
PROJECT NO. 12200  
SHEET:

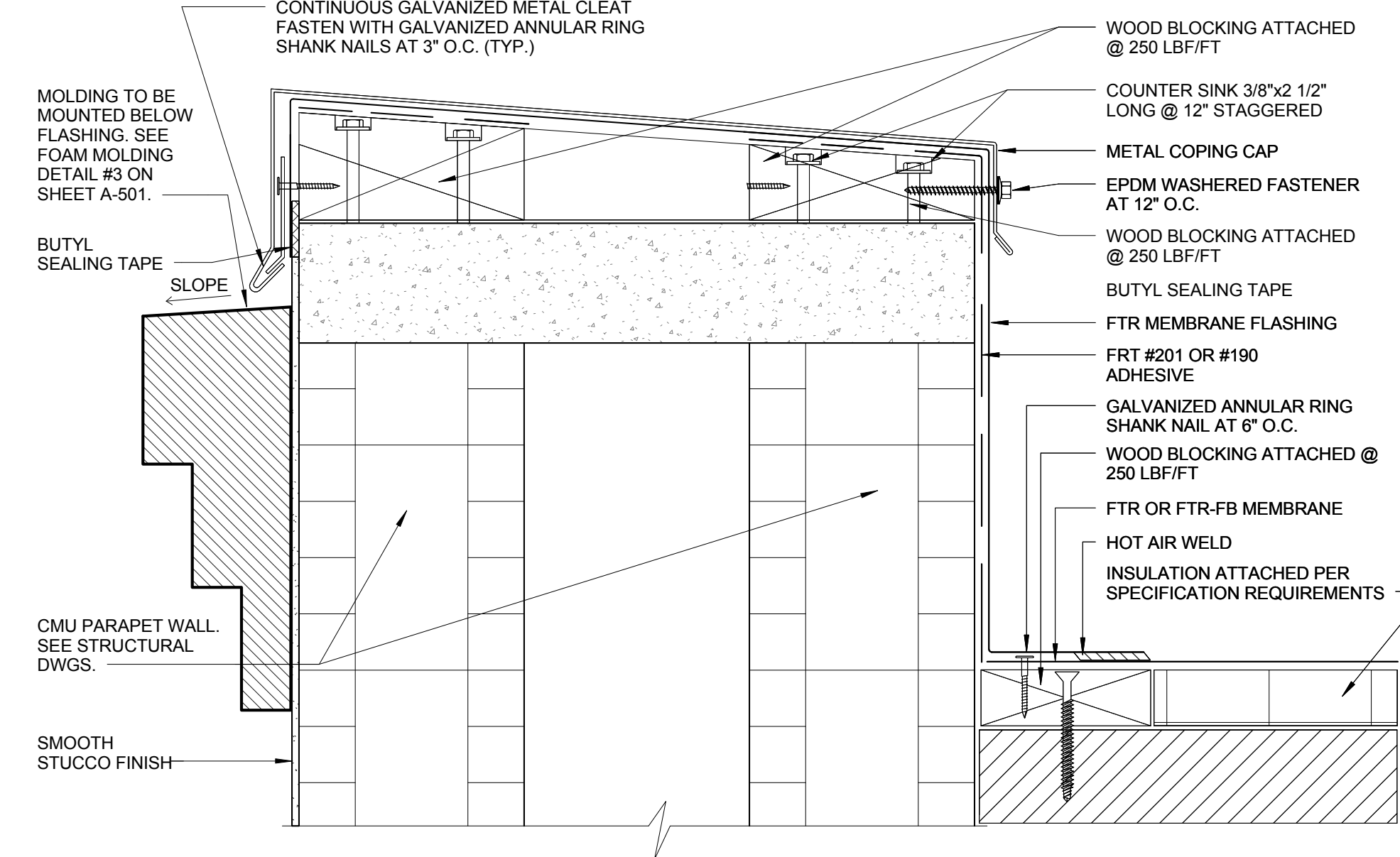
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NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

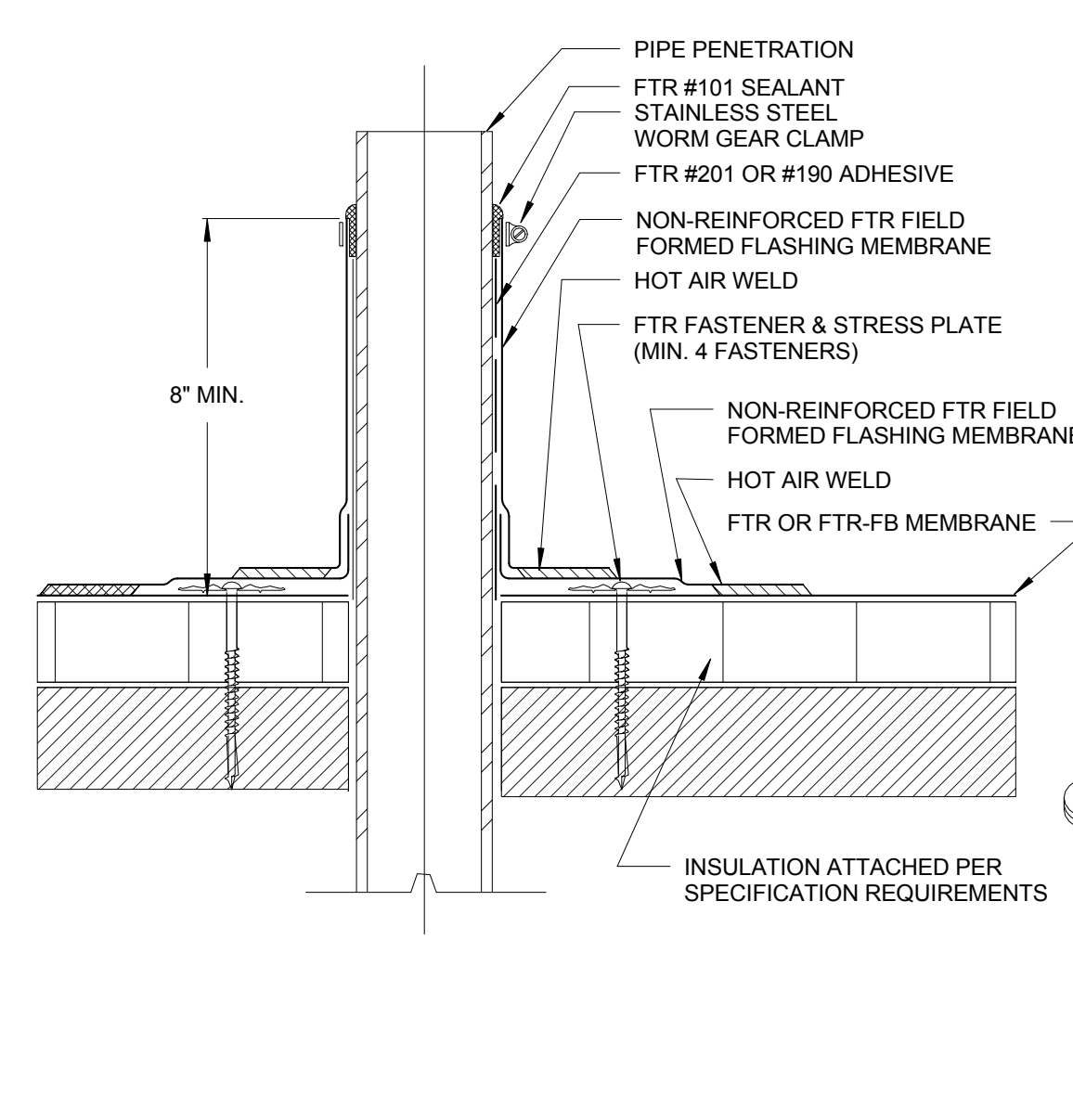
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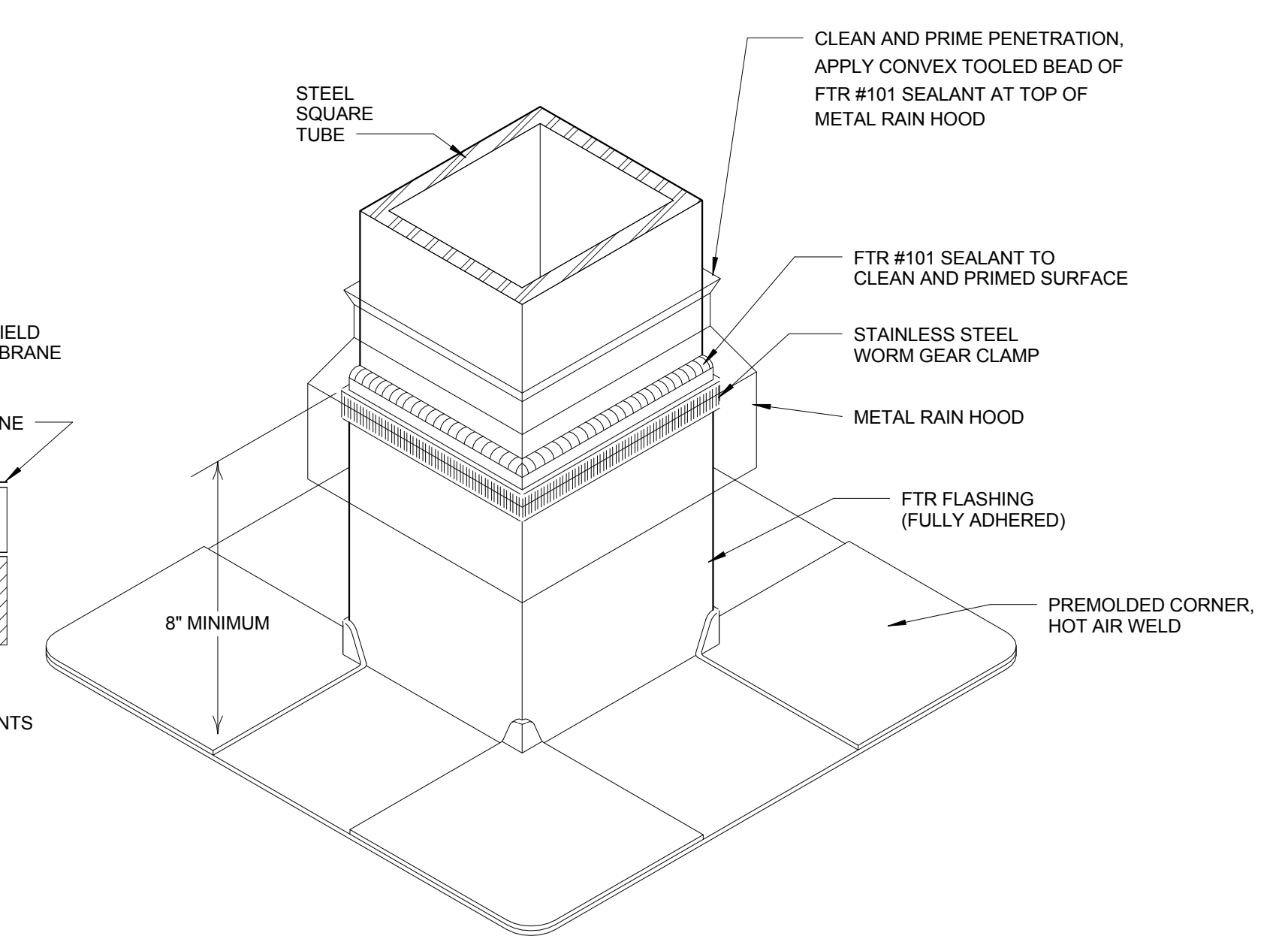
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SCALE: NOT TO SCALE



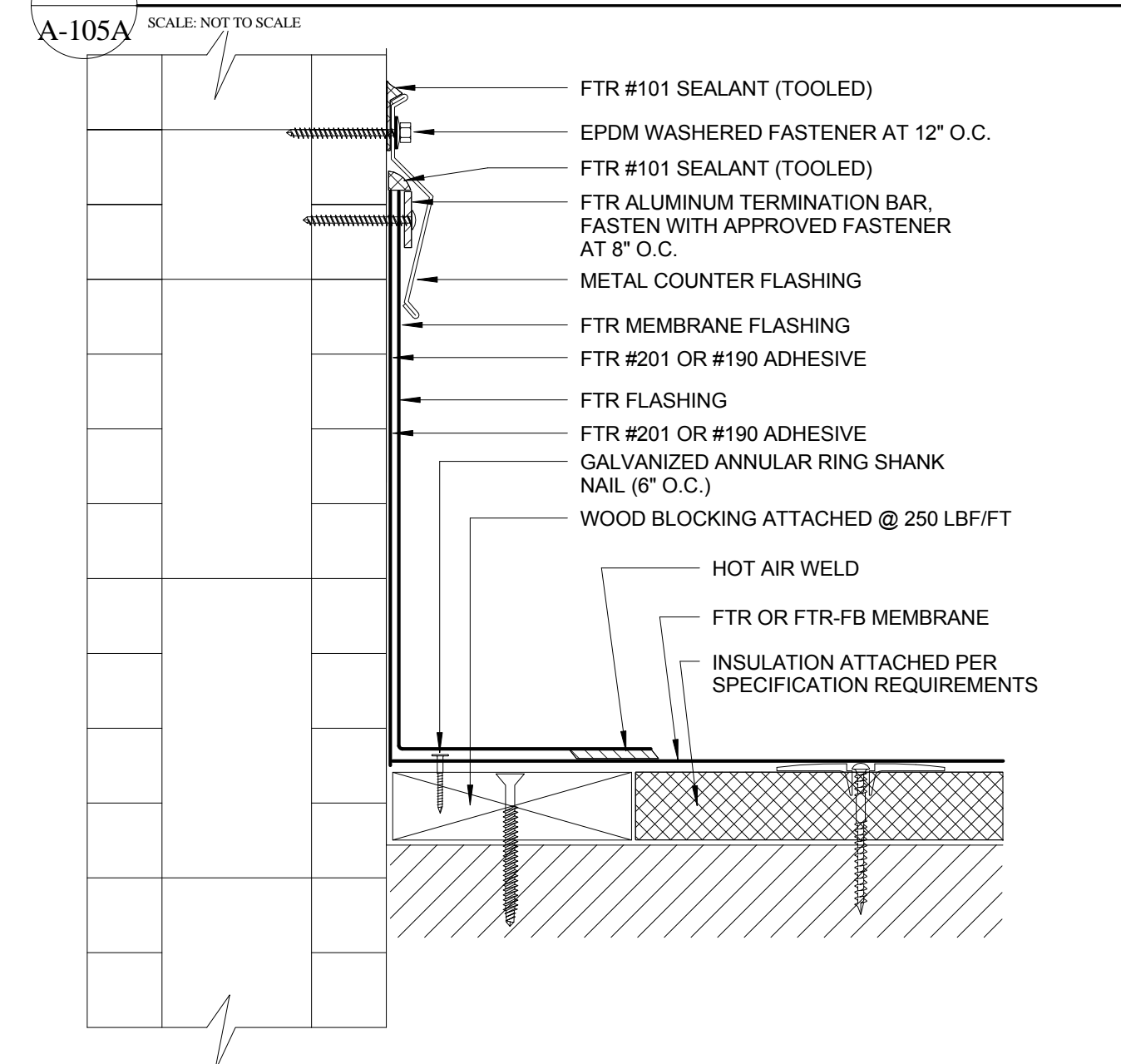
**1A WIDE WALL FLASHING WITH METAL CAP FLASHING**  
SCALE: 3/16\"/>



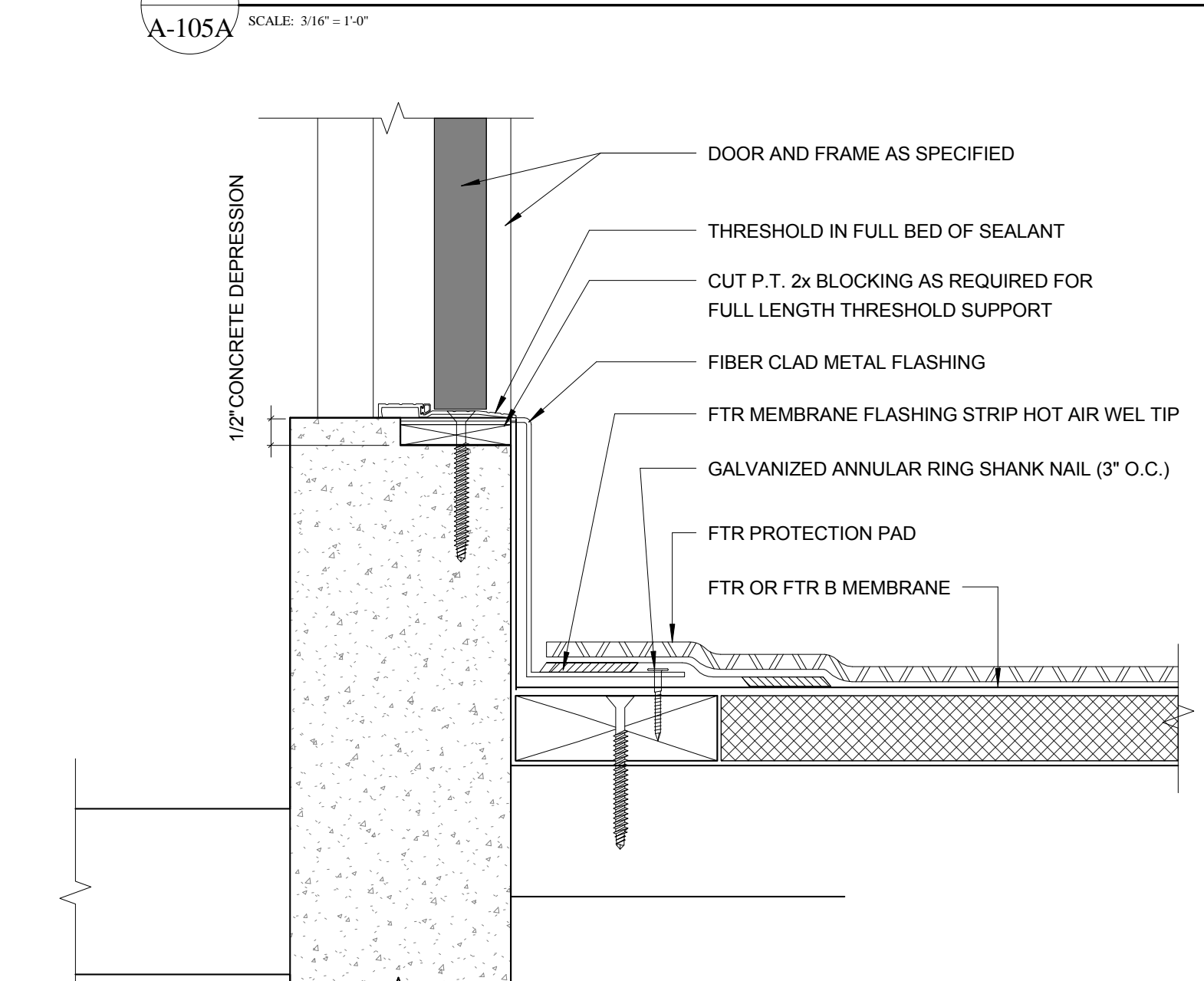
**2 FIELD FABRICATED PIPE FLASHING**  
SCALE: NOT TO SCALE



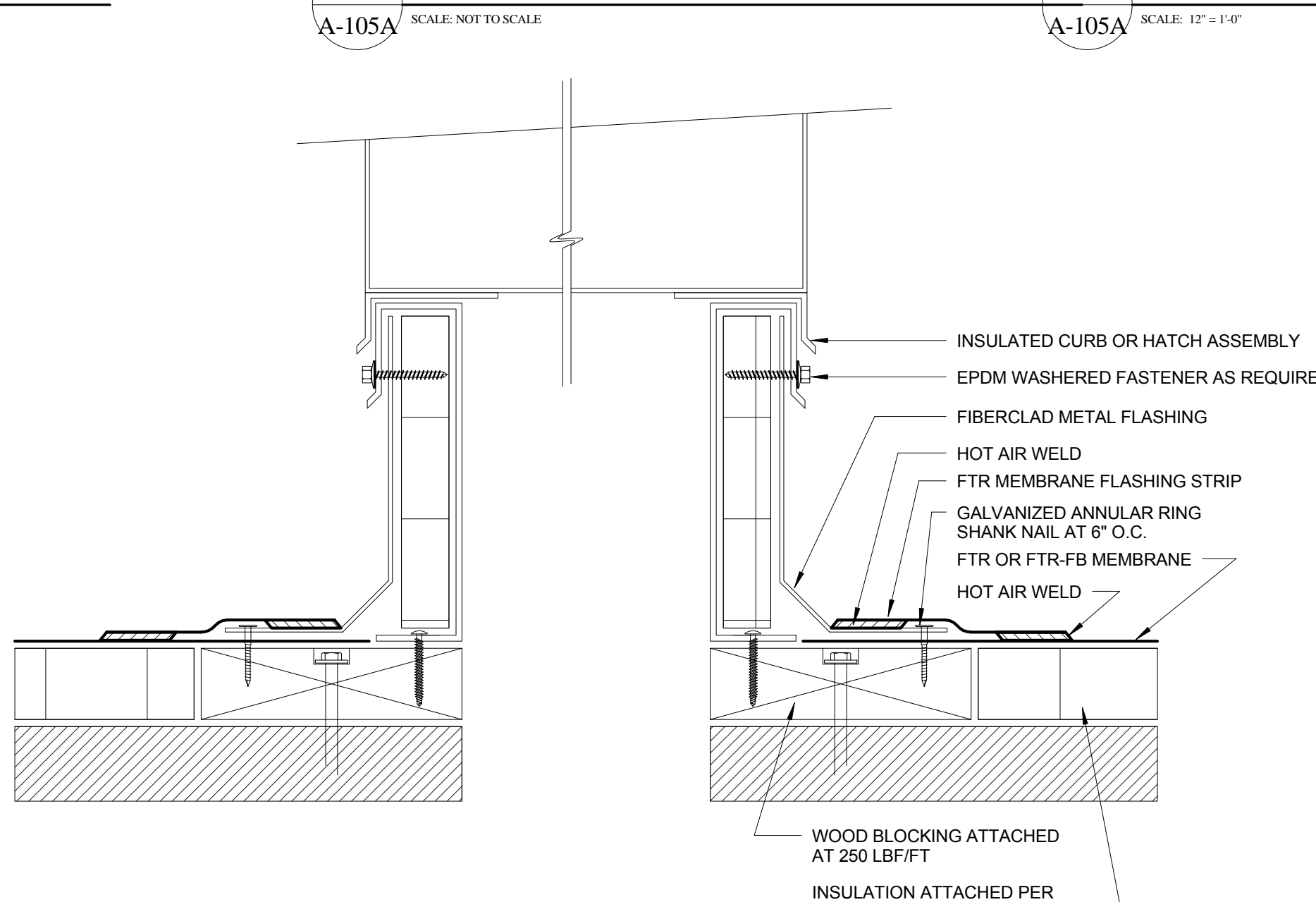
**3 FIELD FABRICATED SQUARE TUBE FLASHING**  
SCALE: 1/2\"/>



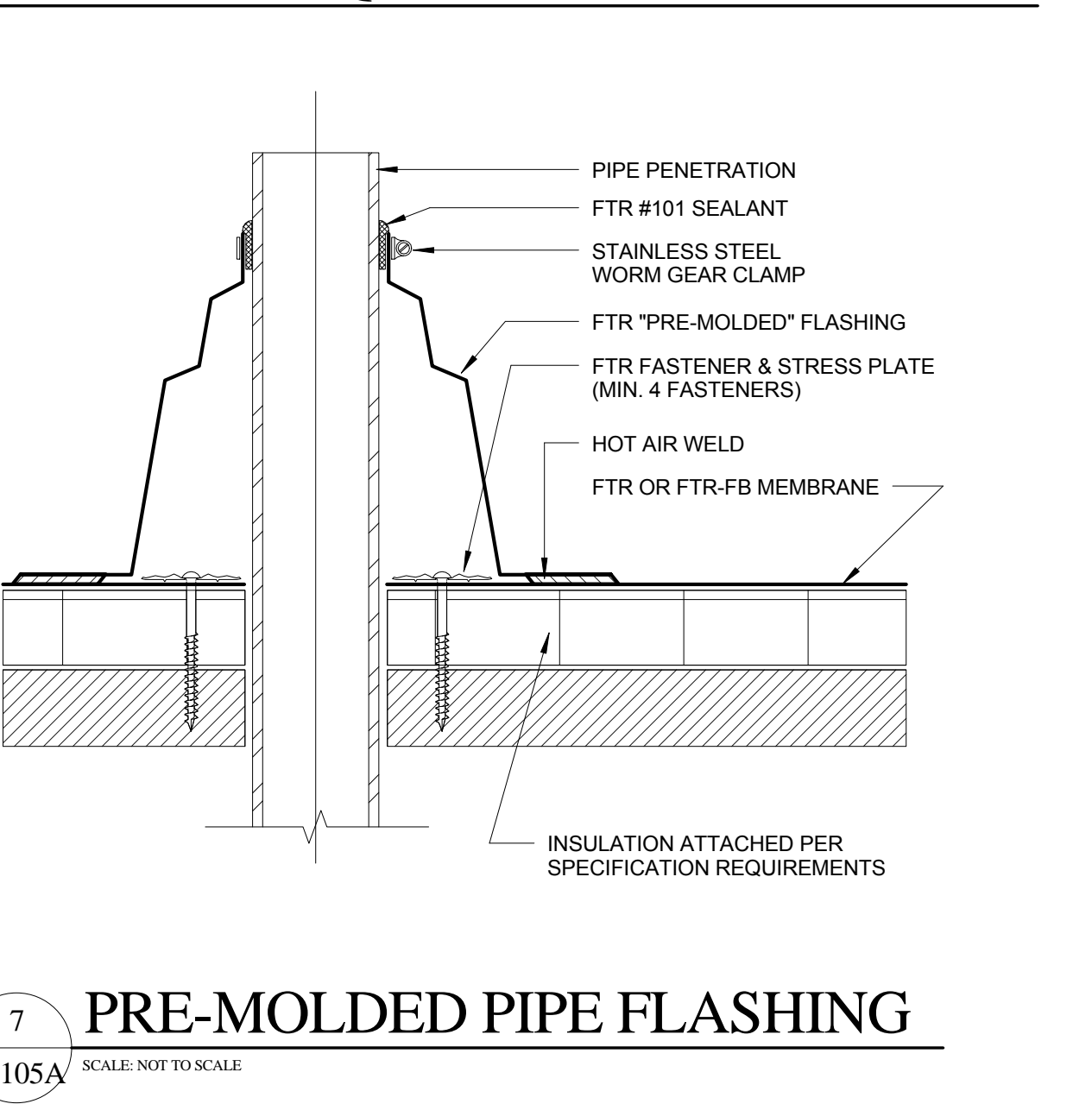
**4 TYPICAL MEMBRANE WALL FLASHING**  
SCALE: NOT TO SCALE



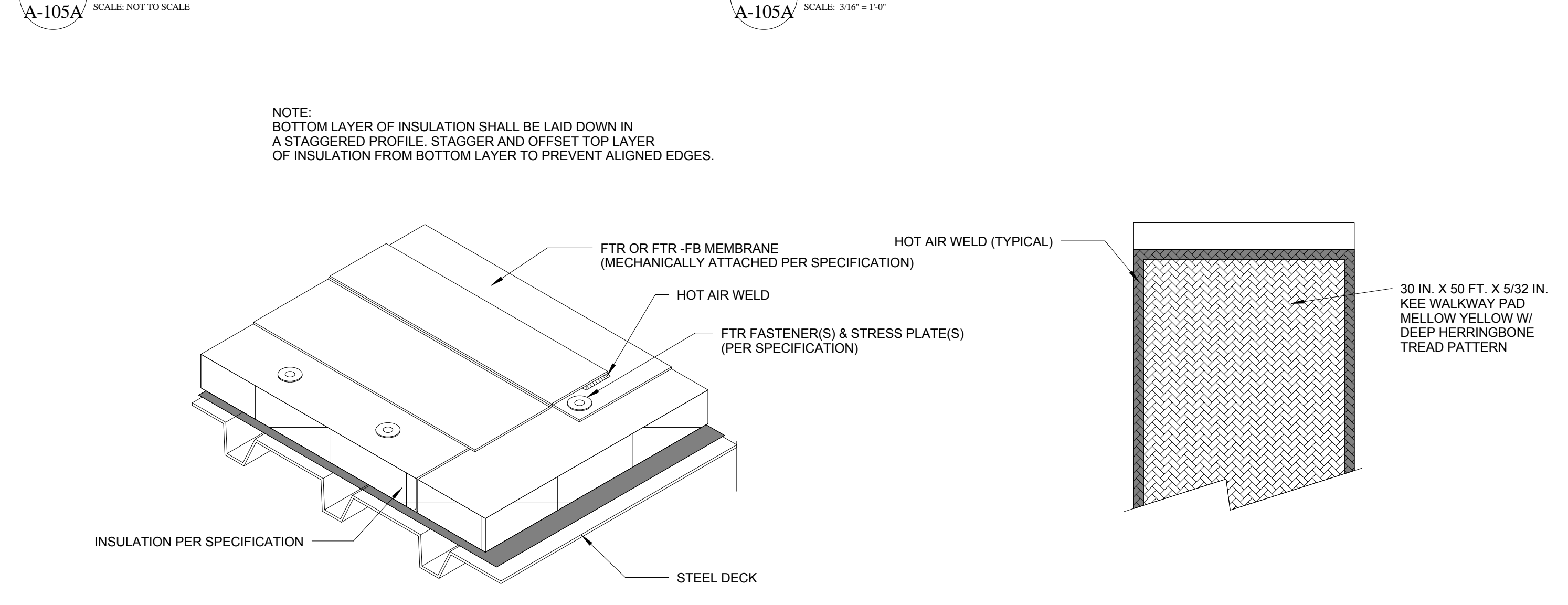
**5 ROOF ACCESS DOOR CURB**  
SCALE: 3/16\"/>



**6 INSULATED CURB OR FIRE HATCH**  
SCALE: NOT TO SCALE



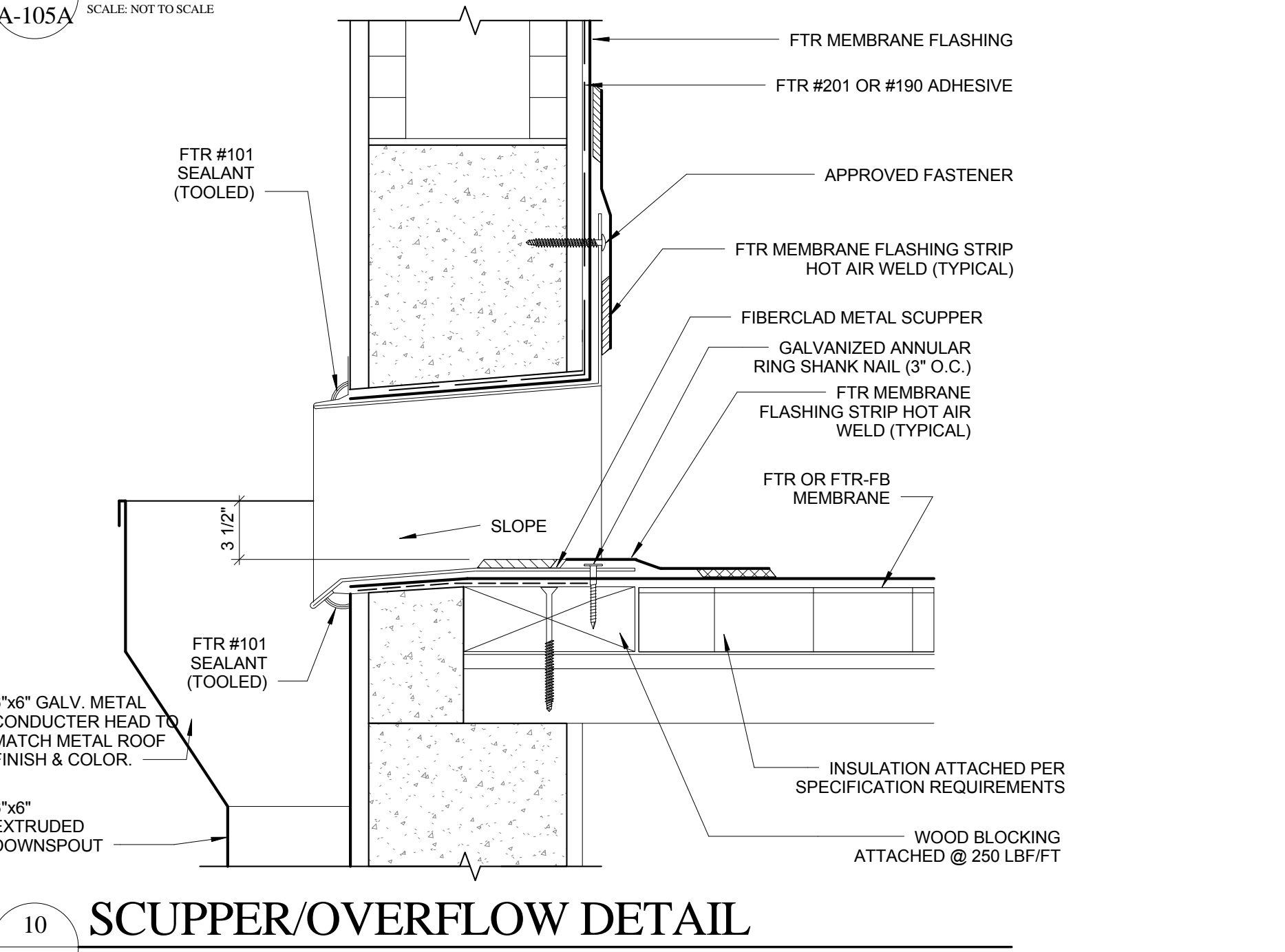
**7 PRE-MOLDED PIPE FLASHING**  
SCALE: NOT TO SCALE



**8 MECHANICALLY FASTENED COMPOSITE ROOF SYSTEM**  
SCALE: NOT TO SCALE



**9 FTR PROTECTION PAD & WALKWAY MATERIALS**  
SCALE: NOT TO SCALE



**10 SCUPPER/OVERFLOW DETAIL**  
SCALE: 3/16\"/>

FIRE STATION 50

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 952-8253 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**Flat Roof Details**

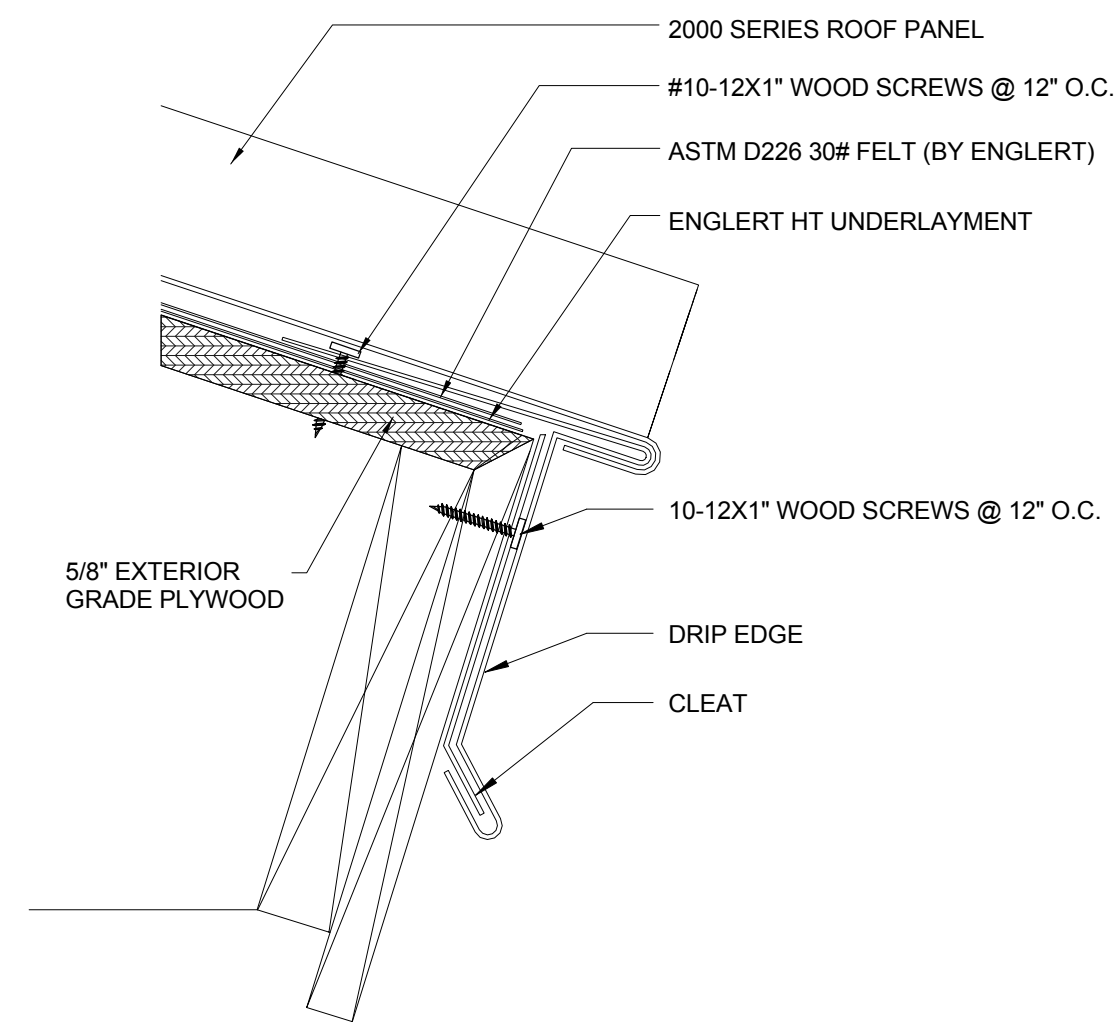
DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As indicated  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

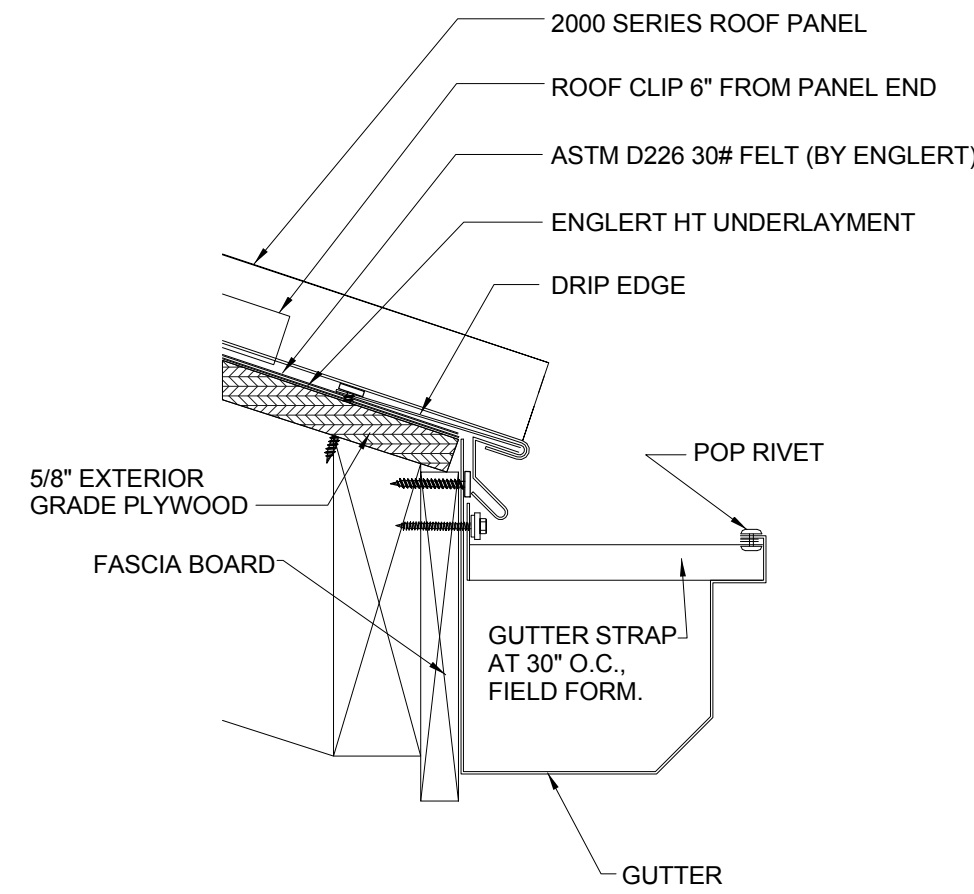
**A-105A**

DATE:

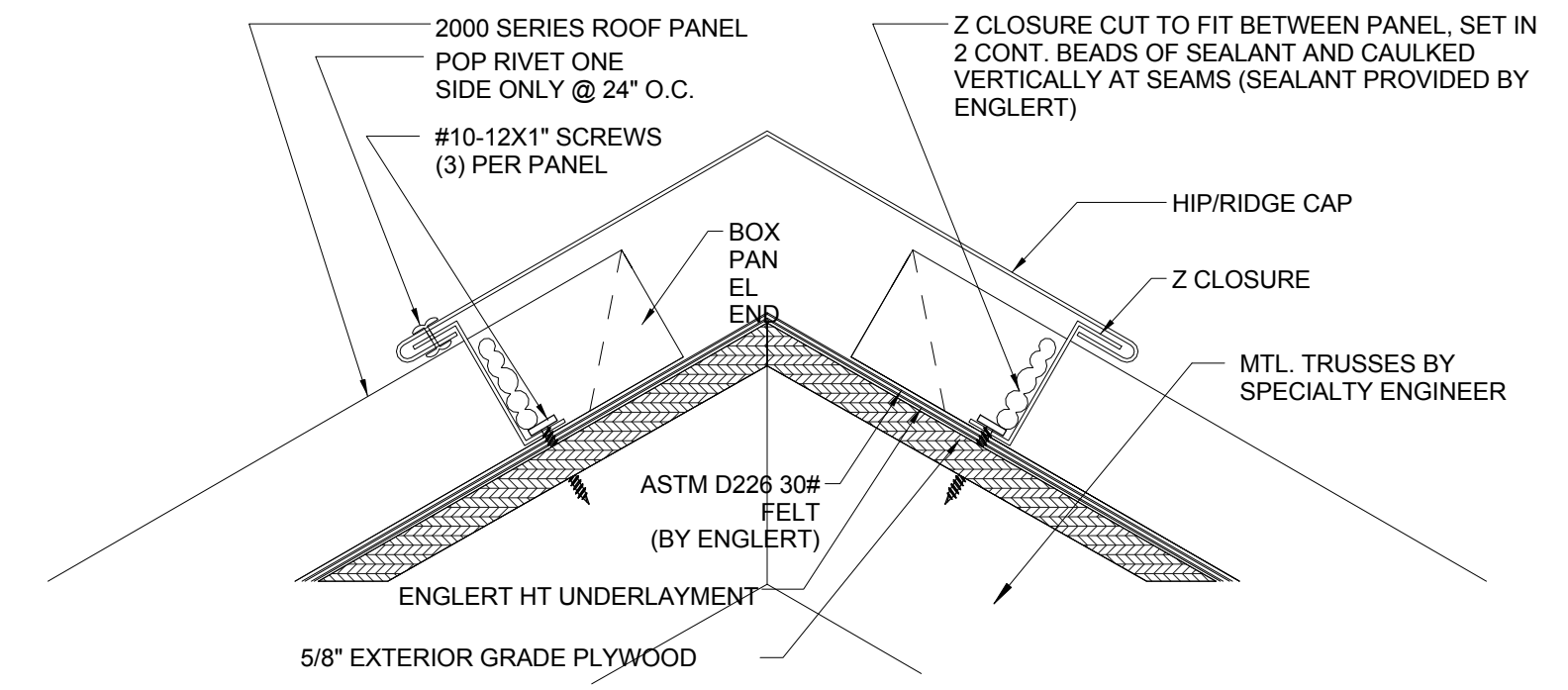
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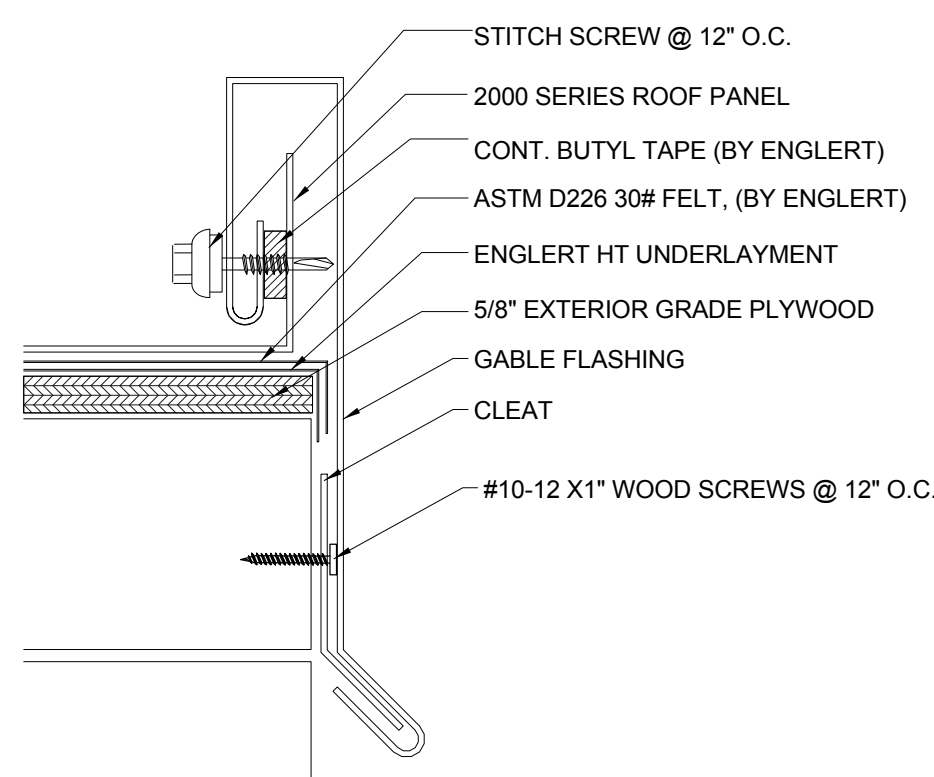
1 EAVE TRIM DETAIL  
A-106 SCALE: 3" = 1'-0"



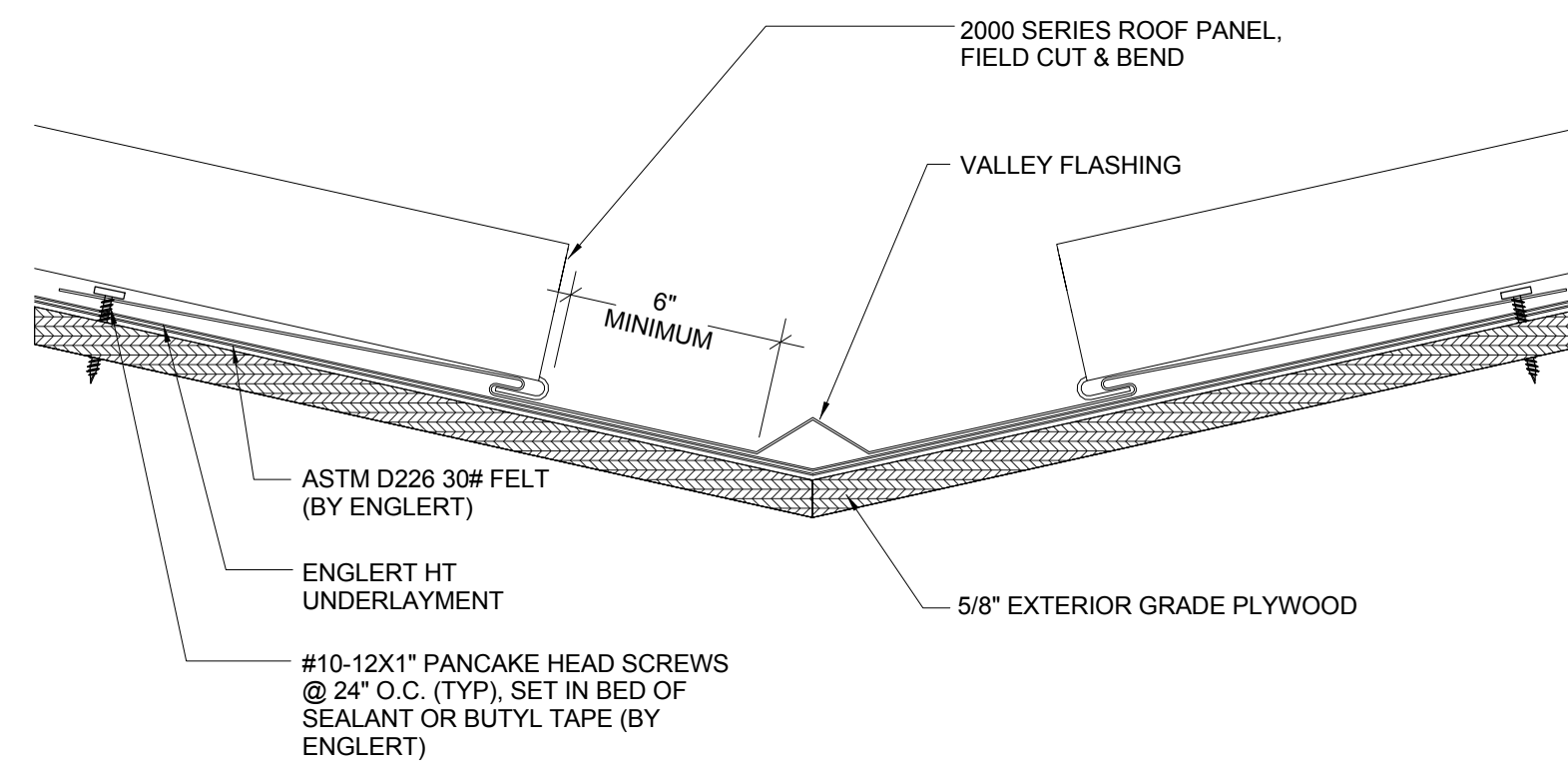
2 GUTTER DETAIL  
A-106 SCALE: 3" = 1'-0"



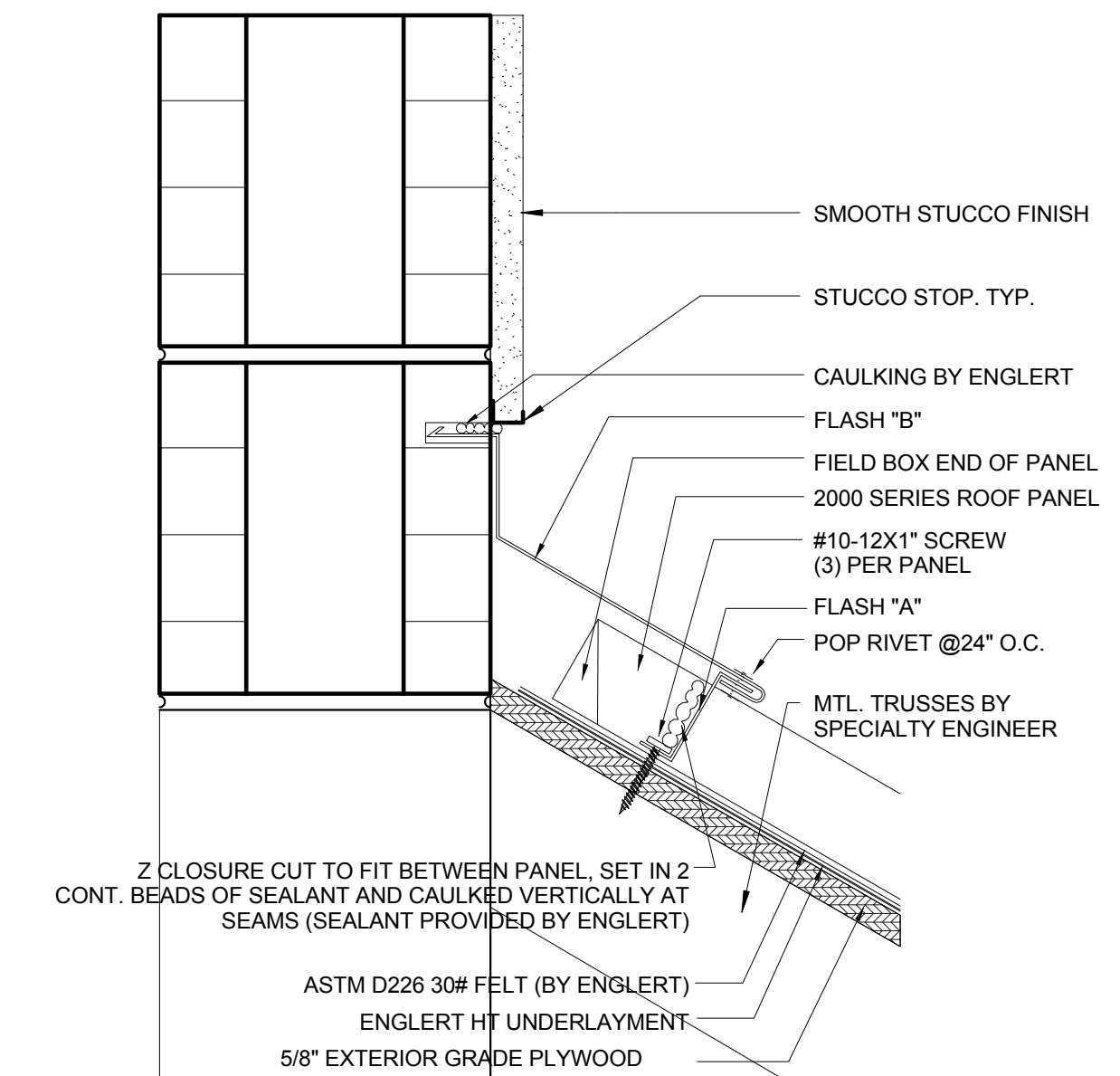
3 HIP/RIDGE DETAIL  
A-106 SCALE: 3" = 1'-0"



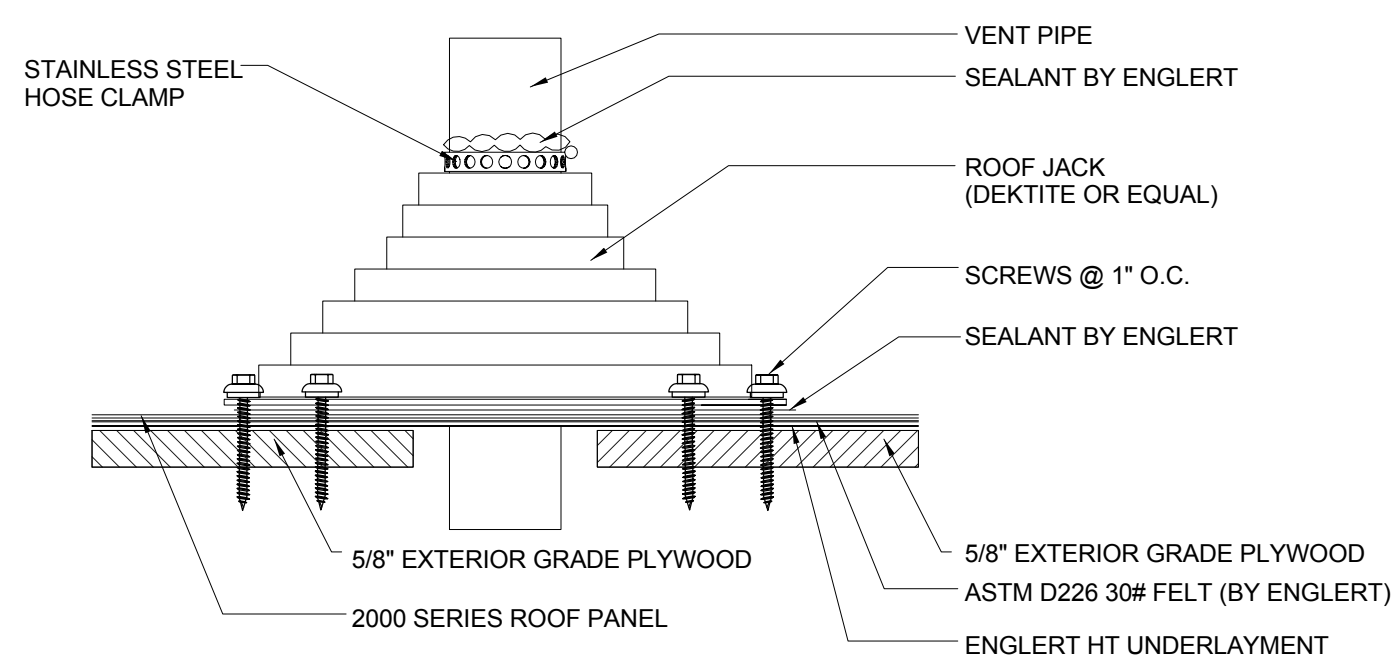
4 GABLE DETAIL  
A-106 SCALE: 3" = 1'-0"



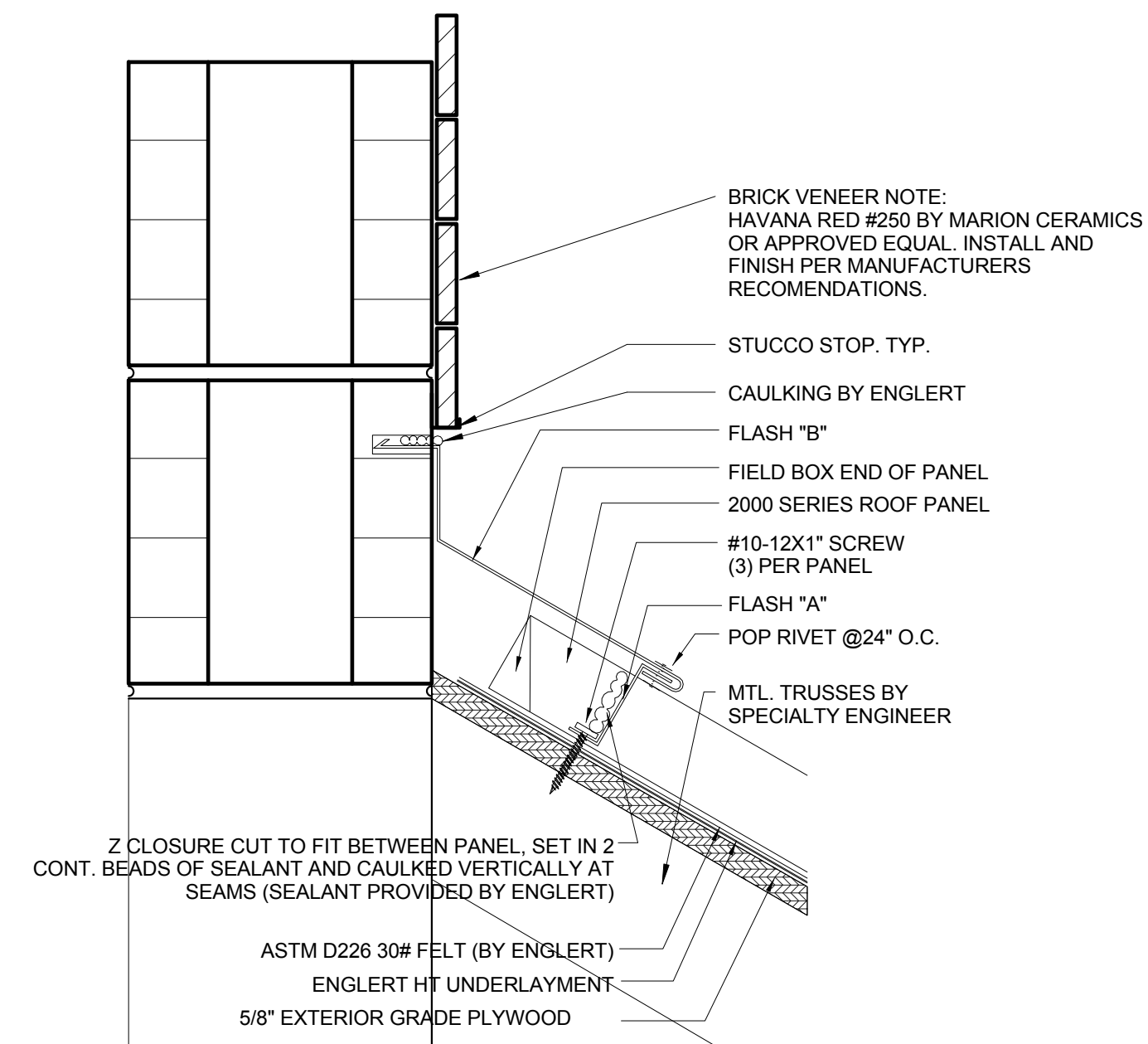
5 VALLEY DETAIL  
A-106 SCALE: 3" = 1'-0"



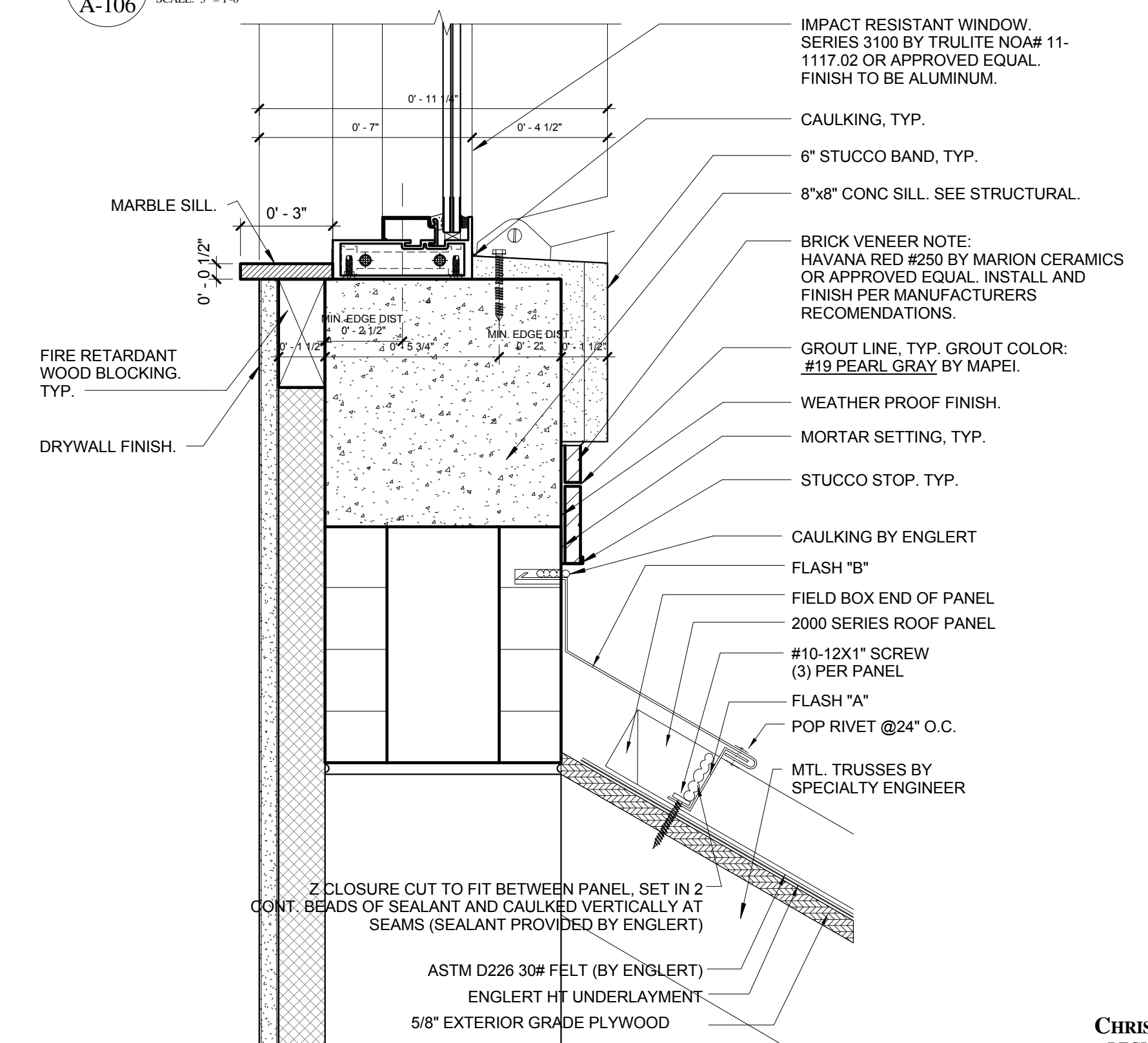
6 STUCCO HEADWALL DETAIL  
A-106 SCALE: 3" = 1'-0"



7 PENETRATION DETAIL  
A-106 SCALE: 3" = 1'-0"



8 BRICK VENEER HEADWALL DETAIL  
A-106 SCALE: 3" = 1'-0"



9 STUCCO BAND HEAD WALL WINDOW SILL DETAIL  
A-106 SCALE: 3" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Metal Roof Details

DRAWN: RJMG

CHECKED: Checker

DATE: 07-25-2014

SCALE: 3" = 1'-0"

PROJECT NO. 1220D

SHEET:

A-106

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

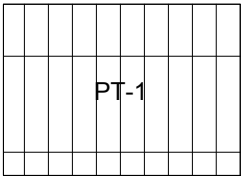
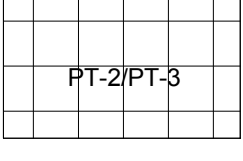
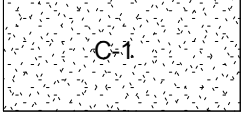
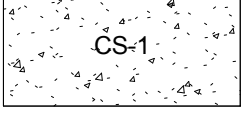
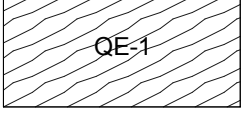
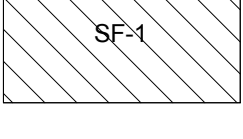
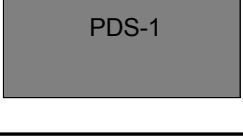
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8232 FAX: (954) 337-0359  
AN 15200668 WWW.CPZARCHITECTS.COM

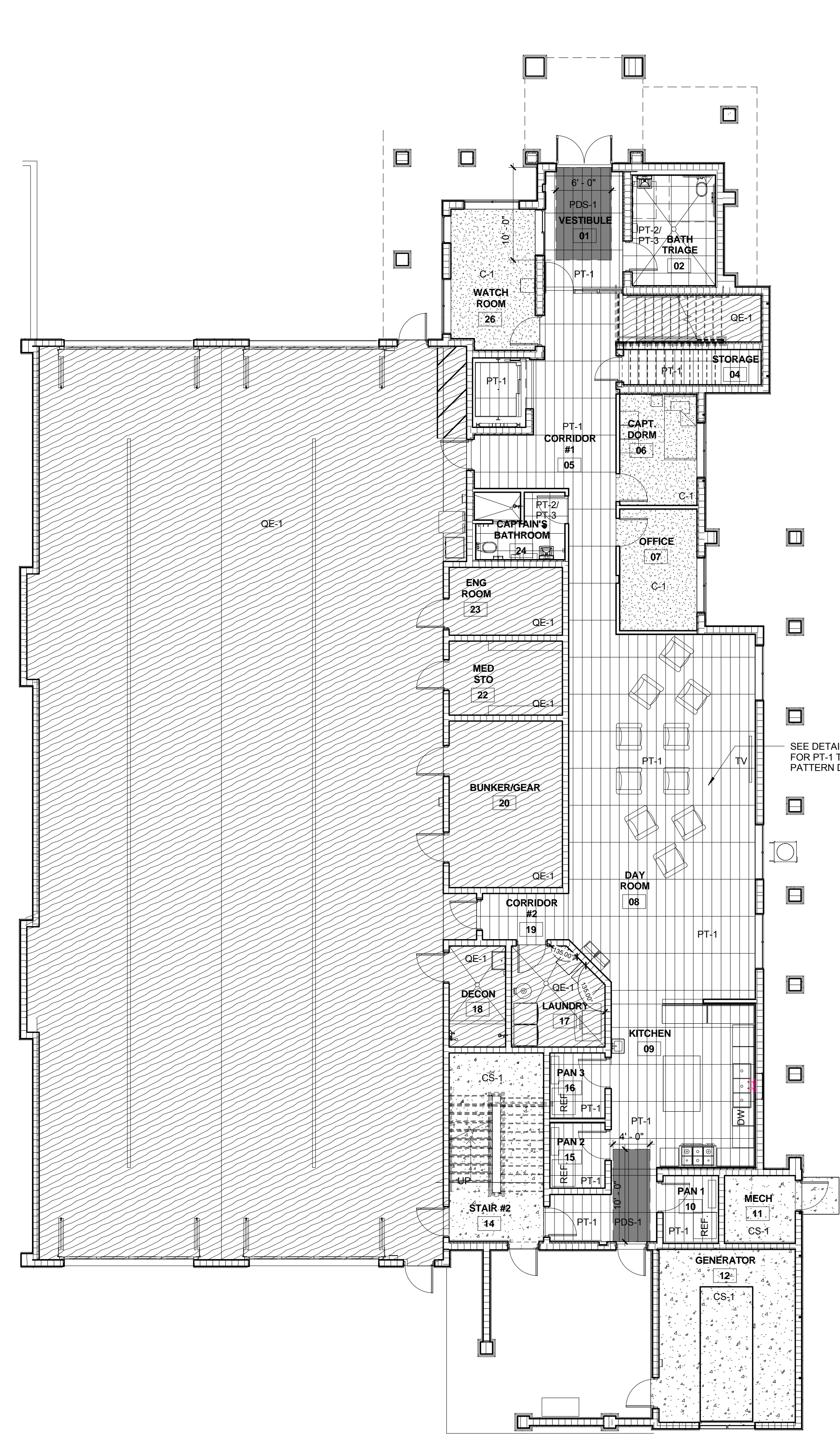
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11/4/2014 8:33:32 AM

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	08-04-14
3	LEED REV #1	10-06-14

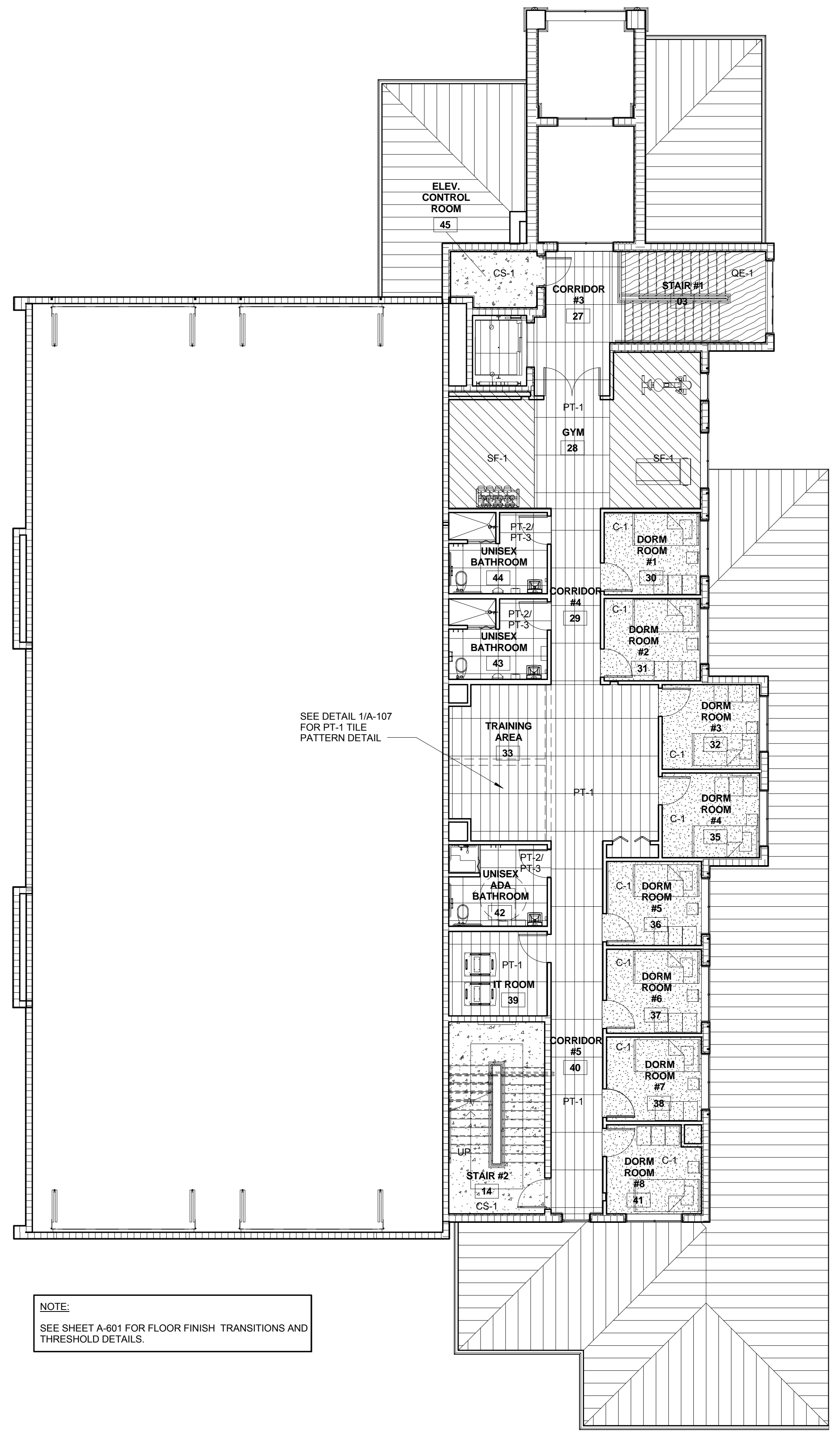
CONSULTANT:

**FINISH LEGEND:**

	PT-1	PORCELAIN TILE
	PT-2/PT-3	PORCELAIN TILE
	C-1	CARPET
	CS-1	SEALED CONCRETE
	QE-1	EPOXY
	SF-1	SPORTS FLOORING
	PDS-1	ENTRANCE ROLL-OUT FLOOR MAT



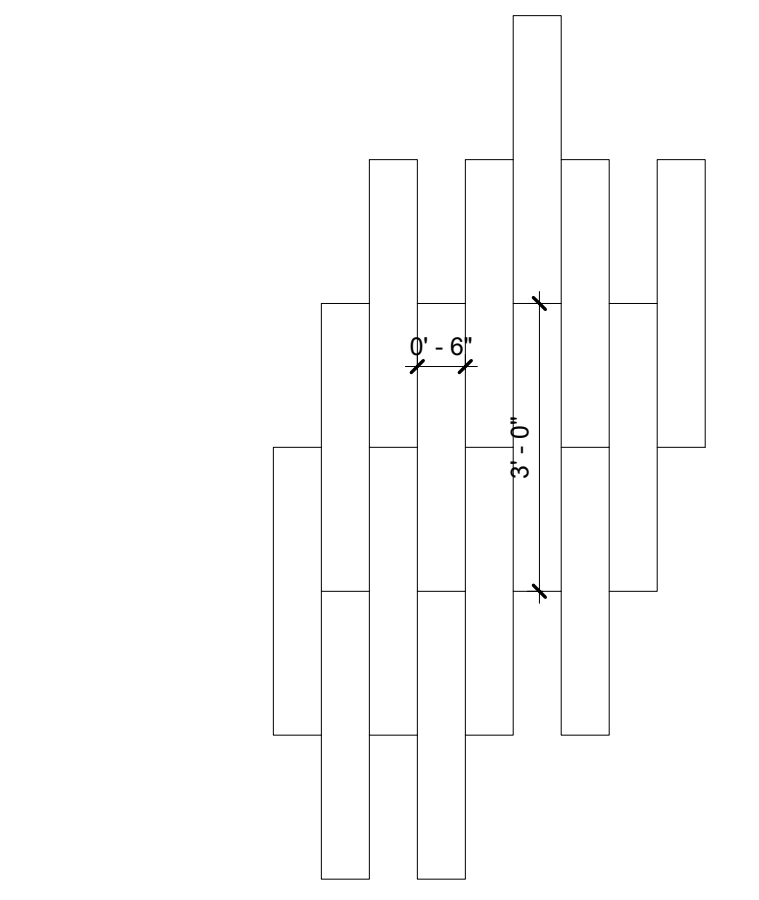
**FIRST FLOOR FINISH PLAN**  
SCALE: 1/8" = 1'-0"



**SECOND FLOOR FINISH PLAN**  
SCALE: 1/8" = 1'-0"

**NOTE:**  
SEE SHEET A-601 FOR FLOOR FINISH TRANSITIONS AND THRESHOLD DETAILS.

SEE DETAIL 1/A-107 FOR PT-1 TILE PATTERN DETAIL



**1 PT-1 TILE PATTERN DETAIL**  
A-107 SCALE: 1/2" = 1'-0"

C:\Users\jgarcia\Documents\14102200\_FS\_SG\_Construction\14102200\_FS\_SG\_CENTRAL\_CFD214102200.dwg 11/4/2014 8:33:47 AM

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Finish Floor Plans

DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

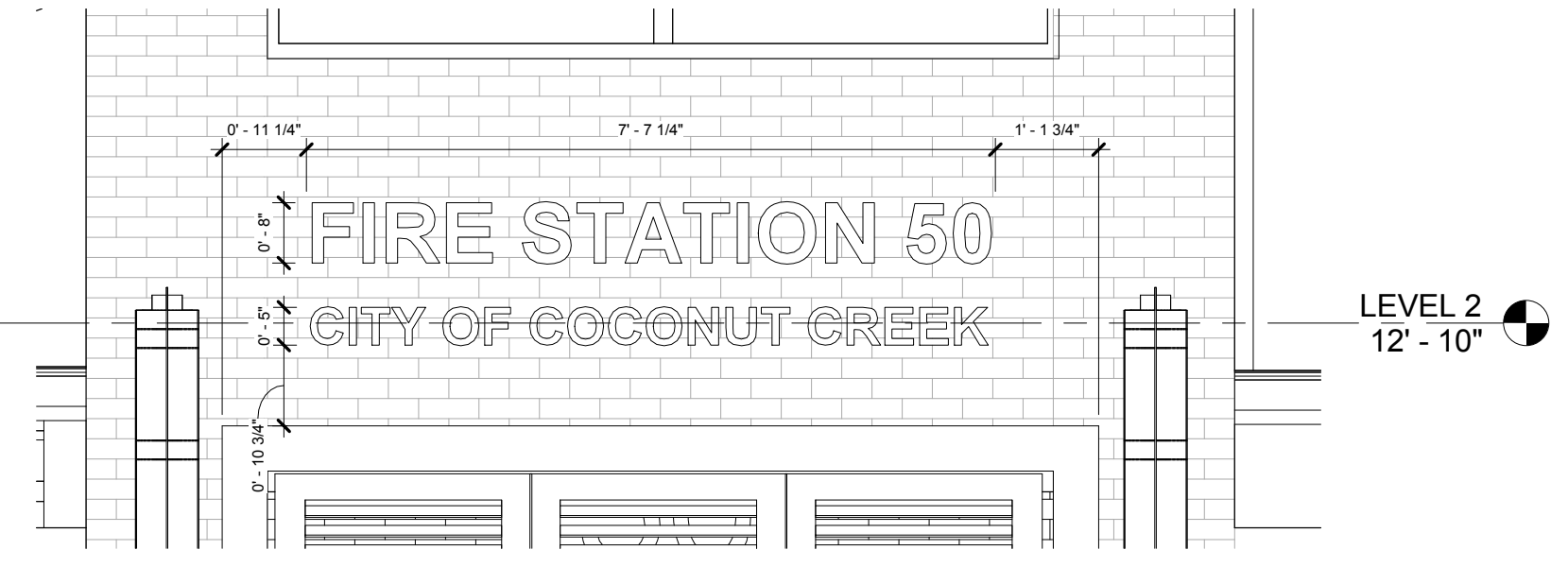
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DATE:

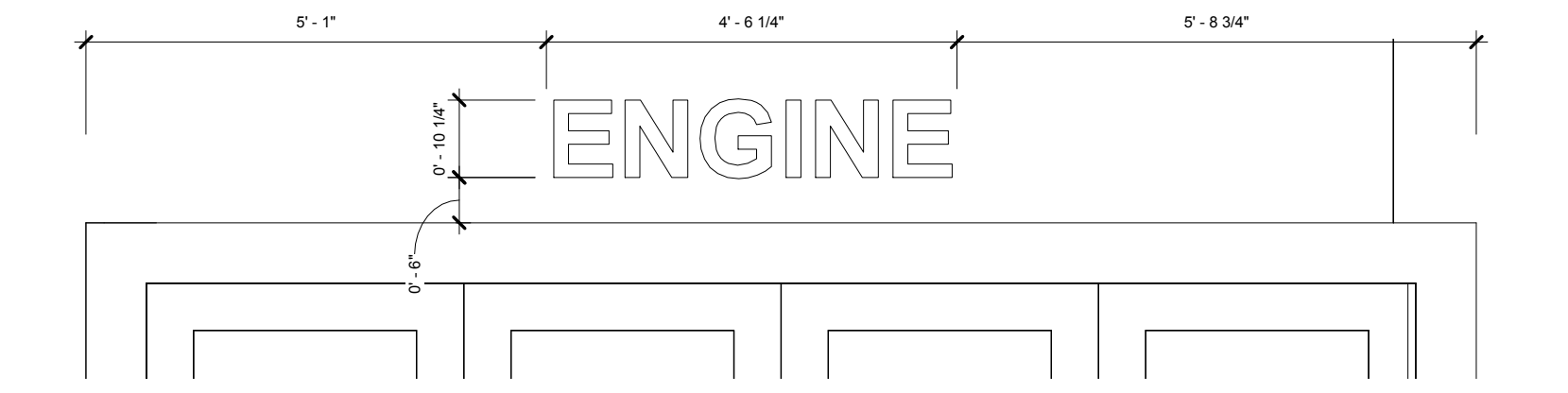
4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8225 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM

EXTERIOR PAINT SPEC.			
Plaster / Stucco / EIFS:	Wood (Fascia):	Ferrous Metals:	Non-Ferrous Metals:
Satin Finish Primer: Loxon Concrete & Masonry Primer Sealer, A24W8300 1st coat: A-100 Exterior Latex Satin, A82 Series 2nd coat: A-100 Exterior Latex Satin, A82 Series	Gloss Finish Primer: Exterior Latex Wood Primer, B42W8041 1st coat: A-100 Exterior Latex Gloss, A8 Series 2nd coat: A-100 Exterior Latex Gloss, A8 Series	Semi-Gloss Finish Primer: Pro Industrial® Pro-Cryl® Universal Primer, B66-310 Series 1st coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series 2nd coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series	Semi-Gloss Finish Primer: Pro Industrial Pro-Cryl Universal Primer, B66-310 Series 1st coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series 2nd coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series



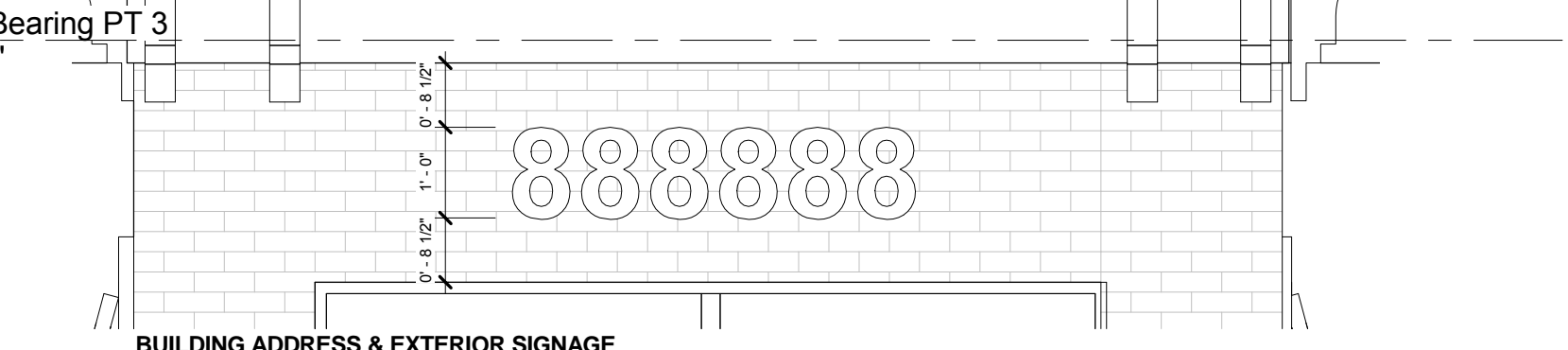
1 ENLARGED MAIN SIGN  
SCALE: 1/2" = 1'-0"



2 ENLARGED ENGINE SIGN  
SCALE: 1/2" = 1'-0"



3 ENLARGED RESCUE SIGN  
SCALE: 1/2" = 1'-0"

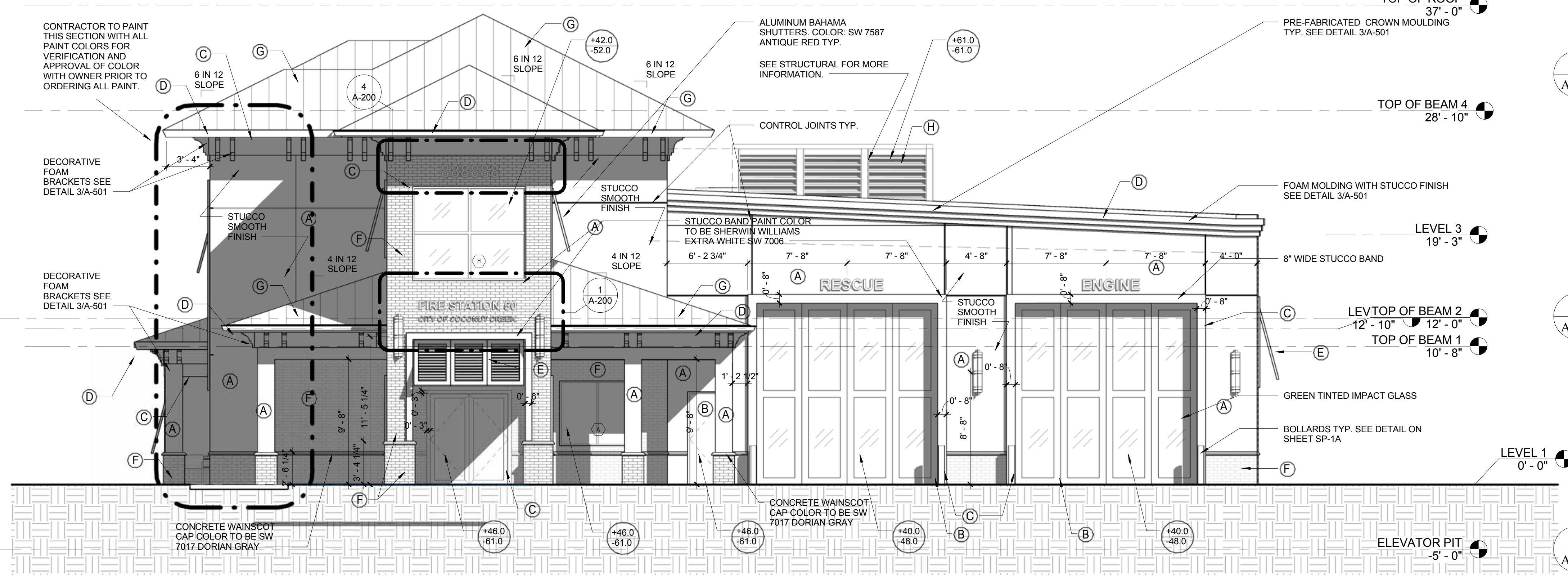


4 ENLARGED BUILDING ADDRESS SIGN  
SCALE: 1/2" = 1'-0"

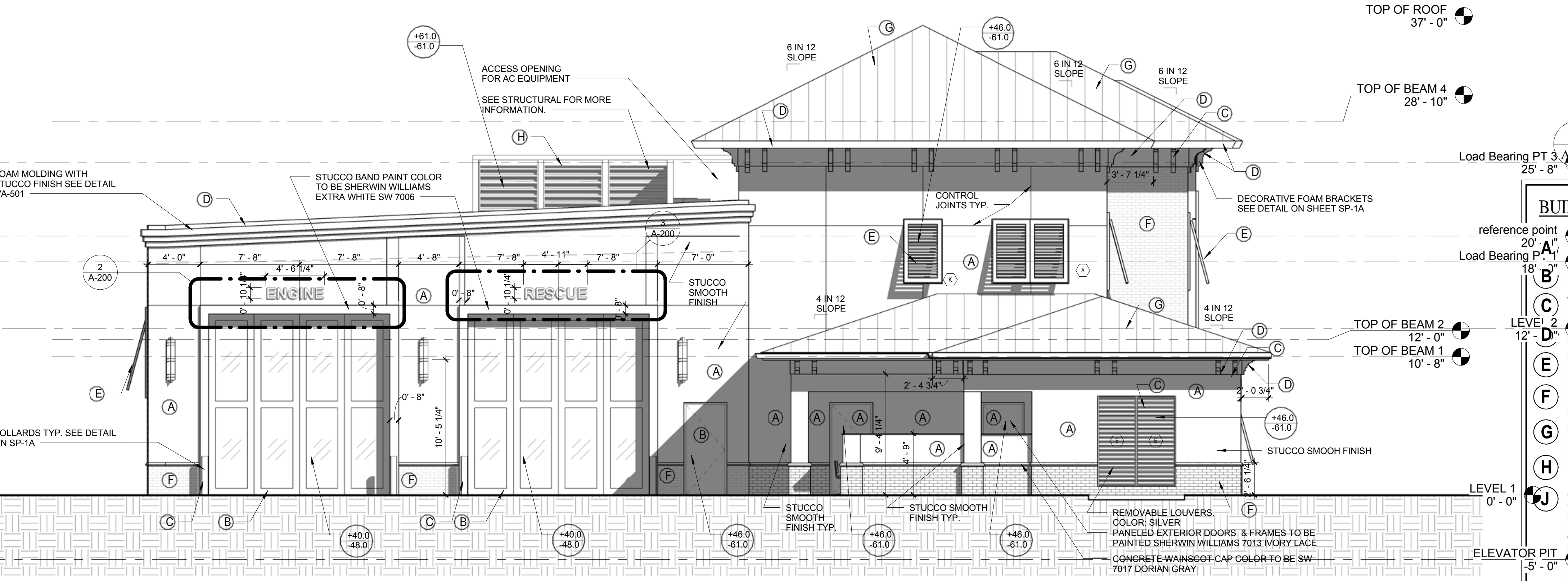
**BUILDING COLORS AND DECORATIVE ELEMENTS:**

- A** MAIN COLOR: SHERWIN WILLIAMS #SW: 127 IVORIE OR APPROVED EQUAL
- B** WINDOW FRAME COLOR (AS NOTED) FOUR FOLD DOORS & DOORS: SHERWIN WILLIAMS #SW: 6866 HEARTTHROB OR APPROVED EQUAL
- C** WAINSCOT CAP & BRACKET STUCCO BAND COLOR: SHERWIN WILLIAMS #SW: 7107 DORIAN GRAY OR APPROVED EQUAL
- D** FASCIA & STUCCO BANDS: SHERWIN WILLIAMS #SW: 7006 EXTRA WHITE
- E** BAHAMA SHUTTERS (WILLARD SHUTTER COMPANY OR APPROVED EQUAL, NOA #14-0129.12): SHERWIN WILLIAMS #SW: 7107 DORIAN GRAY
- F** BRICK VENEER: MARION CERAMICS: HAVANNA RED #250 VEE-BRICK OR APPROVED EQUAL. GROUT COLOR: #19 PEARL GRAY BY MAPEI
- G** METAL ROOFING: ENGLERT OR APPROVED EQUAL COLOR TO BE PRE-WEATHERED GALVALUME. SEE METAL ROOFING DETAILS ON SHEET A-106
- H** ROOFTOP EQUIPMENT LOUVER SCREENING: INDUSTRIAL LOUVER OR APPROVED EQUAL NOA#13-0909.09
- J** GUTTER & DOWNSPOUT: CONTRACTOR TO PROVIDE 6x6 SEAMLESS GALV. METAL CONDUCTOR HEAD GUTTER AND DOWNSPOUT TO MATCH METAL ROOFINGPANELS BY ENGLERT. (COLOR TO BE PRE-WEATHERED GALVALUME) SILICONE SEAL EXTERIOR OF ALL DOWNSPOUT JOINTS TO PROVIDE COMPLETE WATER TIGHT SEAL. INSTALL SUPPORT STRIPS NO MORE THAN 9'-0" C/C. PROVIDE CONCRETE SPLASH BLOCKS ORIENTED AWAY FROM THE FOUNDATION OF THE BUILDING. CONTRACTOR TO PROVIDE SHOP DRAWING & COLOR SAMPLE PRIOR TO FABRICATION FOR ARCHITECT'S REVIEW AND APPROVAL.

GC TO SUBMIT SHOP DRAWINGS & UP TO DATE N.O.A. APPROVAL DOCUMENTATION FOR, BUT NOT LIMITED TO, ALL WINDOWS, DOORS, BAHAMA SHUTTERS, LOUVERS, BAY DOORS, ROOFING SYSTEM ETC. FOR APPROVAL TYP.



GC TO SUBMIT SHOP DRAWINGS & UP TO DATE N.O.A. APPROVAL DOCUMENTATION FOR, BUT NOT LIMITED TO, ALL WINDOWS, DOORS, BAHAMA SHUTTERS, LOUVERS, BAY DOORS, ROOFING SYSTEM ETC. FOR APPROVAL TYP.



Load Bearing PT 3  
25' - 8"

Load Bearing PT 3  
25' - 8"

reference point  
20' - 0"  
Load Bearing P. 1  
18' - 0"  
LEVEL 2  
12' - 0"  
TOP OF BEAM 2  
12' - 0"  
TOP OF BEAM 1  
10' - 8"  
LEVEL 1  
0' - 0"  
ELEVATOR PIT  
-5' - 0"

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
North & South Elevations  
DRAWN: RJMG  
CHECKED:  
DATE: 07-25-2014  
SCALE: As indicated  
PROJECT NO. 12200  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

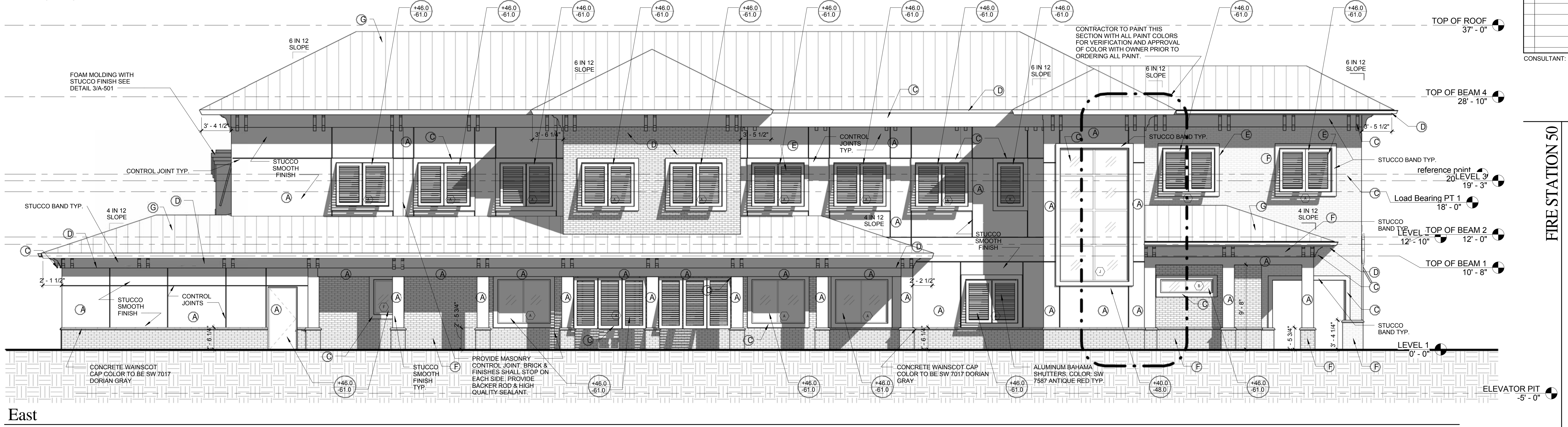
A-200

DATE:

EXTERIOR PAINT SPEC:		
Plaster / Stucco / EIFS:	Wood (Fascia):	Ferrous Metals:
Satin Finish Primer: Loxon Concrete & Masonry Primer Sealer, A24W8300 1st coat: A-100 Exterior Latex Satin, A82 Series 2nd coat: A-100 Exterior Latex Satin, A82 Series	Gloss Finish Primer: Exterior Latex Wood Primer, B42W8041 1st coat: A-100 Exterior Latex Gloss, A8 Series 2nd coat: A-100 Exterior Latex Gloss, A8 Series	Semi-Gloss Finish Primer: Pro Industrial® Pro-Cryl® Universal Primer, B66-310 Series 1st coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series 2nd coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series
		Non-Ferrous Metals: Semi-Gloss Finish Primer: Pro Industrial Pro-Cryl Universal Primer, B66-310 Series 1st coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series 2nd coat: Pro Industrial Acrylic Semi-Gloss, B66-650 Series

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	09-04-14
3	ADDENDUM #1	

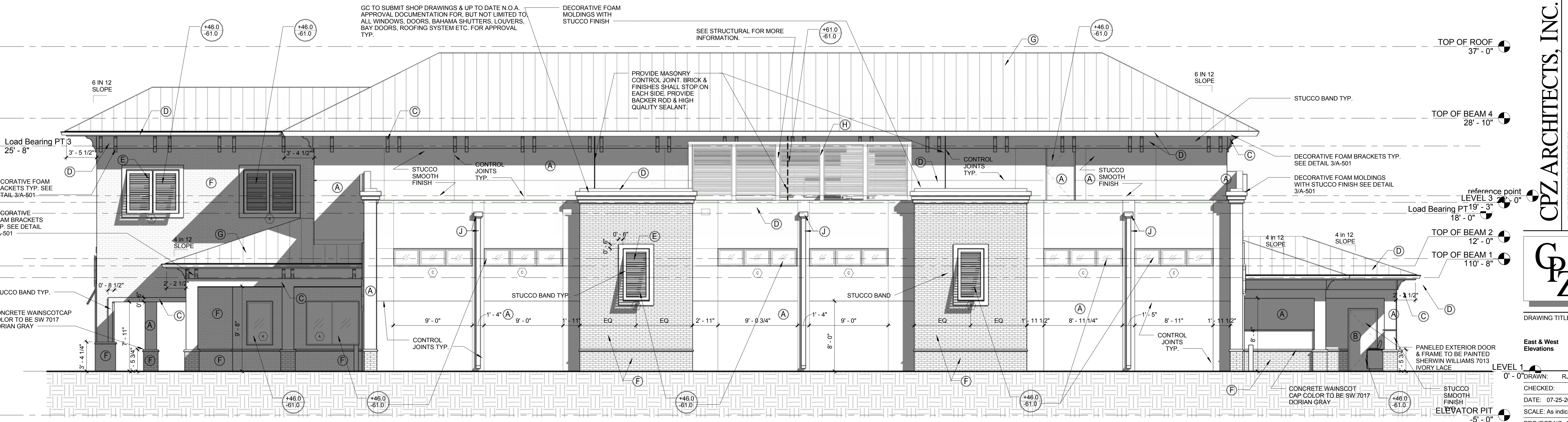
GC TO SUBMIT SHOP DRAWINGS & UP TO DATE N.O.A. APPROVAL DOCUMENTATION FOR, BUT NOT LIMITED TO, ALL WINDOWS, DOORS, BAHAMA SHUTTERS, LOUVERS, BAY DOORS, ROOFING SYSTEM ETC. FOR APPROVAL TYP.



East

SCALE: 3/16" = 1'-0"

GC TO SUBMIT SHOP DRAWINGS & UP TO DATE N.O.A. APPROVAL DOCUMENTATION FOR, BUT NOT LIMITED TO, ALL WINDOWS, DOORS, BAHAMA SHUTTERS, LOUVERS, BAY DOORS, ROOFING SYSTEM ETC. FOR APPROVAL TYP.



West

SCALE: 3/16" = 1'-0"

CONSULTANT:

FIRE STATION 50

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

East & West Elevations

DRAWN: RJMG  
CHECKED:  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 12200  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

A-201

DATE:

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 952-8222 FAX: (954) 337-0399  
 AN 42500686 WWW.CPZARCHITECTS.COM

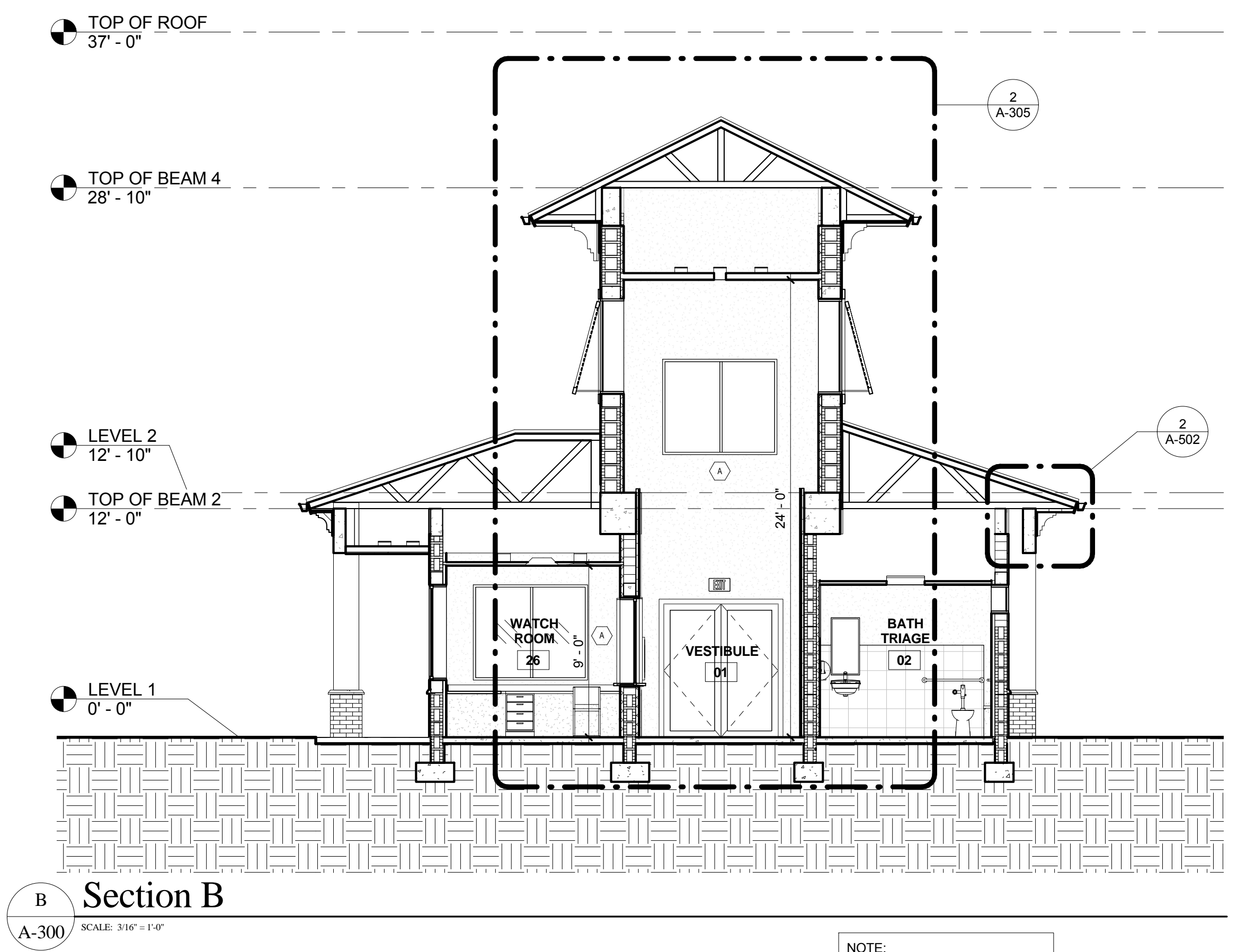
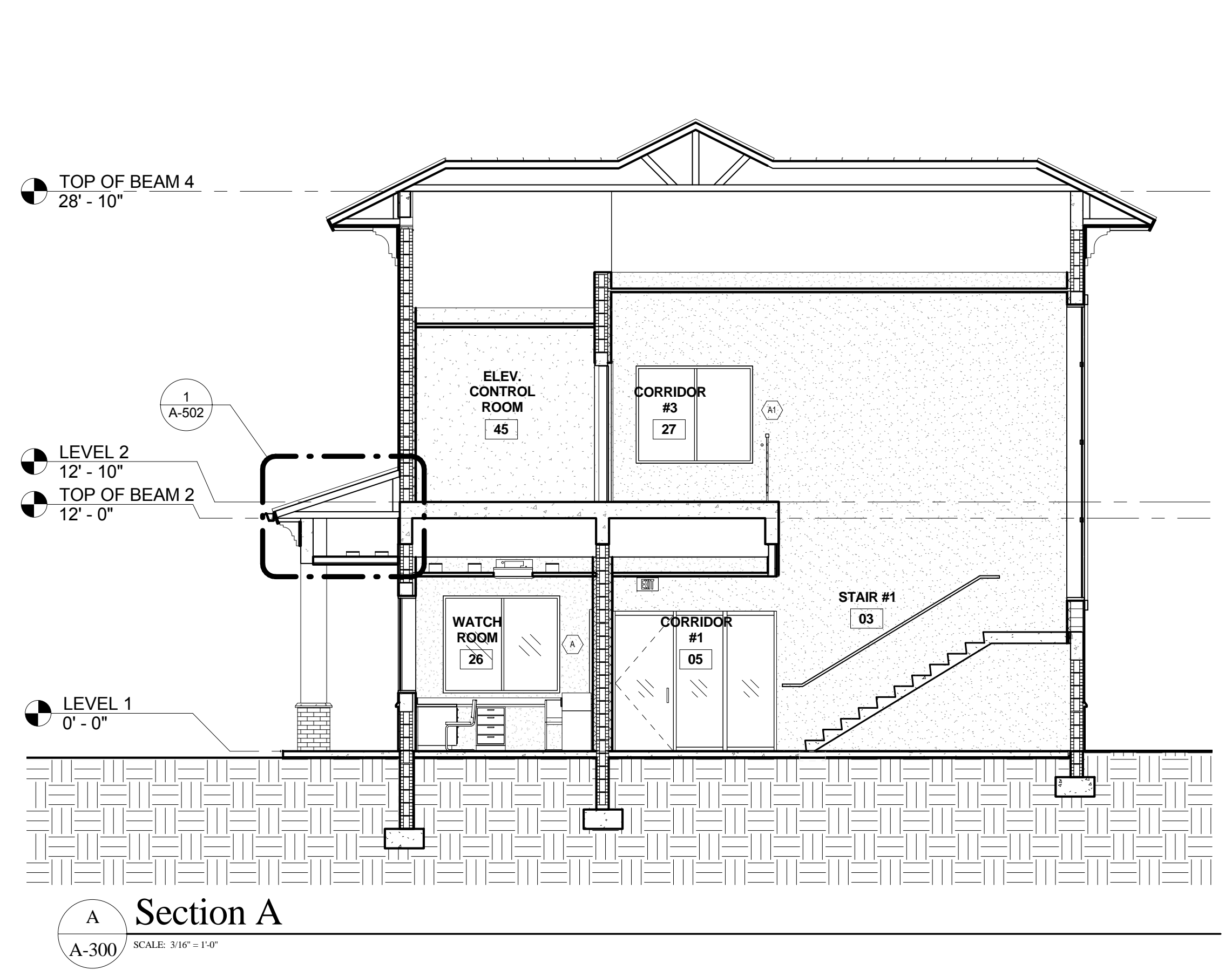


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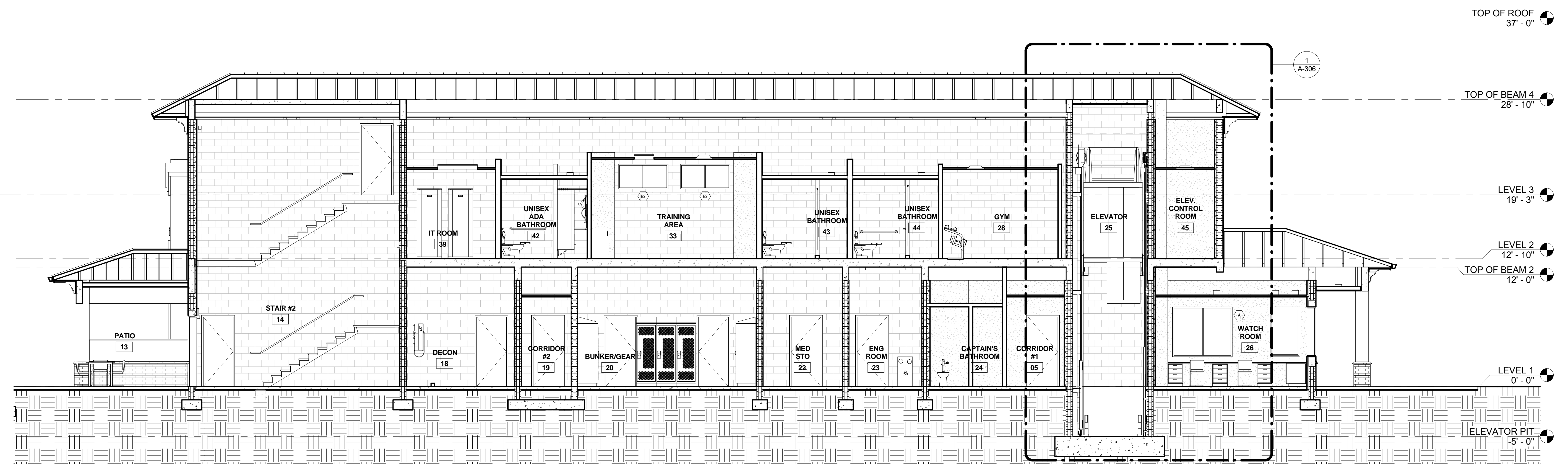
Building Sections

DRAWN: RJMG  
 CHECKED:  
 DATE: 07-25-2014  
 SCALE: 3/16" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

**A-300**



NOTE:  
 PROVIDE SEALANT ALONG  
 EXPOSED TOP EDGE OF ALL  
 1/2" EXPANSION JOINT  
 MATERIALS. TYP.



**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

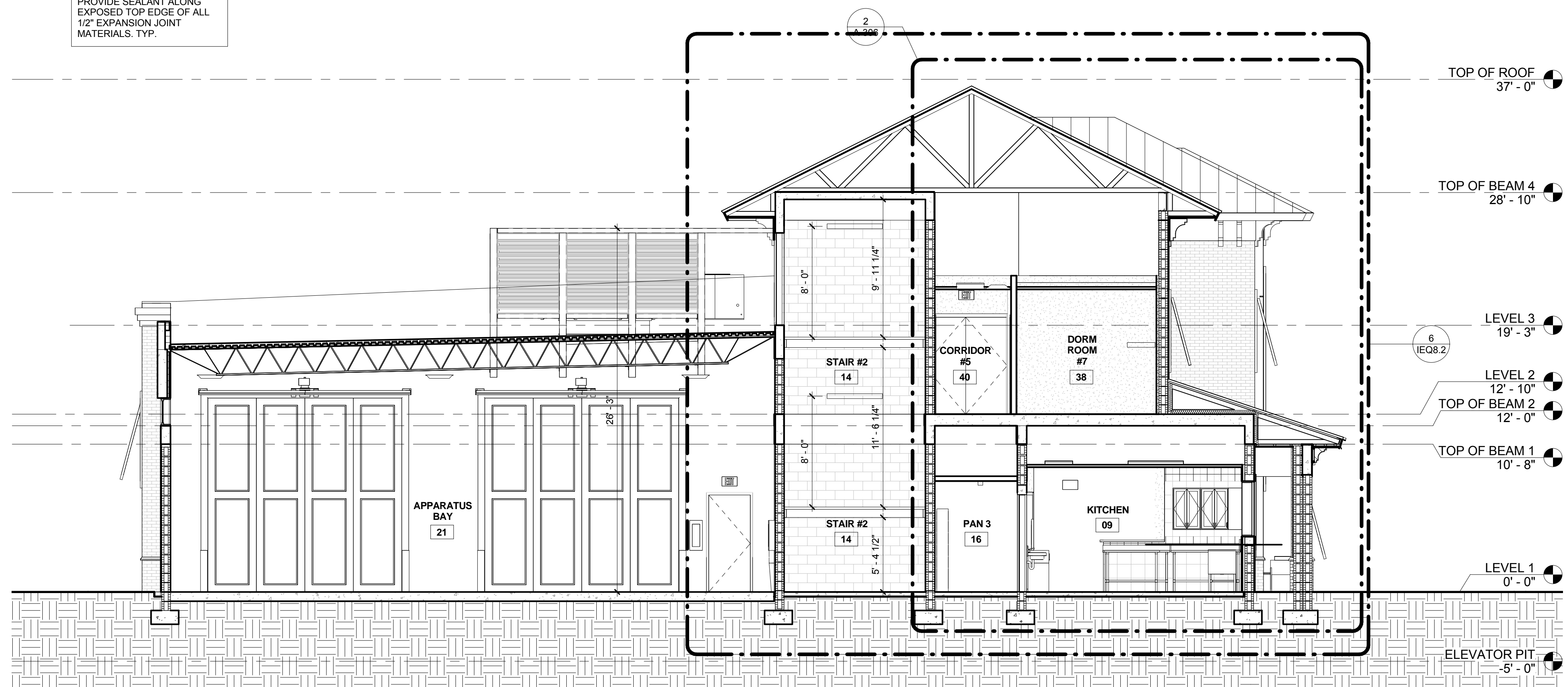
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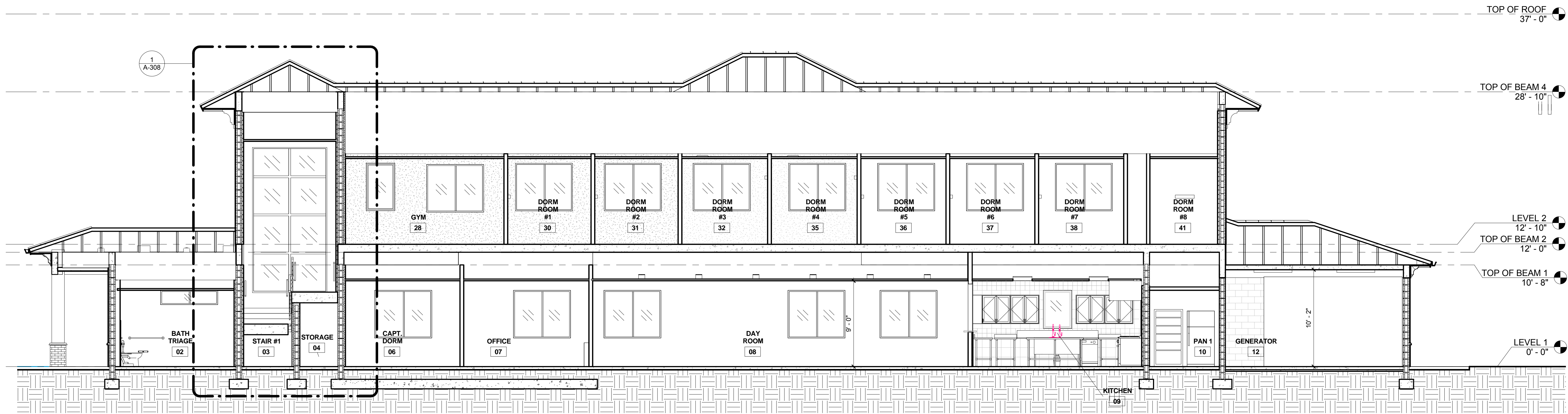
NO.	REVISION	DATE
1.	CONSTRUCTION ISSUE SET	07-25-2014
1.	LEED REV #1	10-08-14

CONSULTANT:

NOTE: PROVIDE SEALANT ALONG EXPOSED TOP EDGE OF ALL 1/2" EXPANSION JOINT MATERIALS, TYP.



D Section D  
A-301 SCALE: 3/16" = 1'-0"



E Section E  
A-301 SCALE: 3/16" = 1'-0"

FIRE STATION 50  
 4306 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 AN 15206066 WWW.CPZARCHITECTS.COM  
 CPZ ARCHITECTS, INC.



DRAWING TITLE:  
Building Sections

DRAWN: RJMG  
 CHECKED:  
 DATE: 07-25-2014  
 SCALE: 3/16" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

A-301

DATE:

C:\Users\rgrover\Documents\1220D\_FS\_S0\_Dimension Book\_CENTRAL\_CPZ.rvt  
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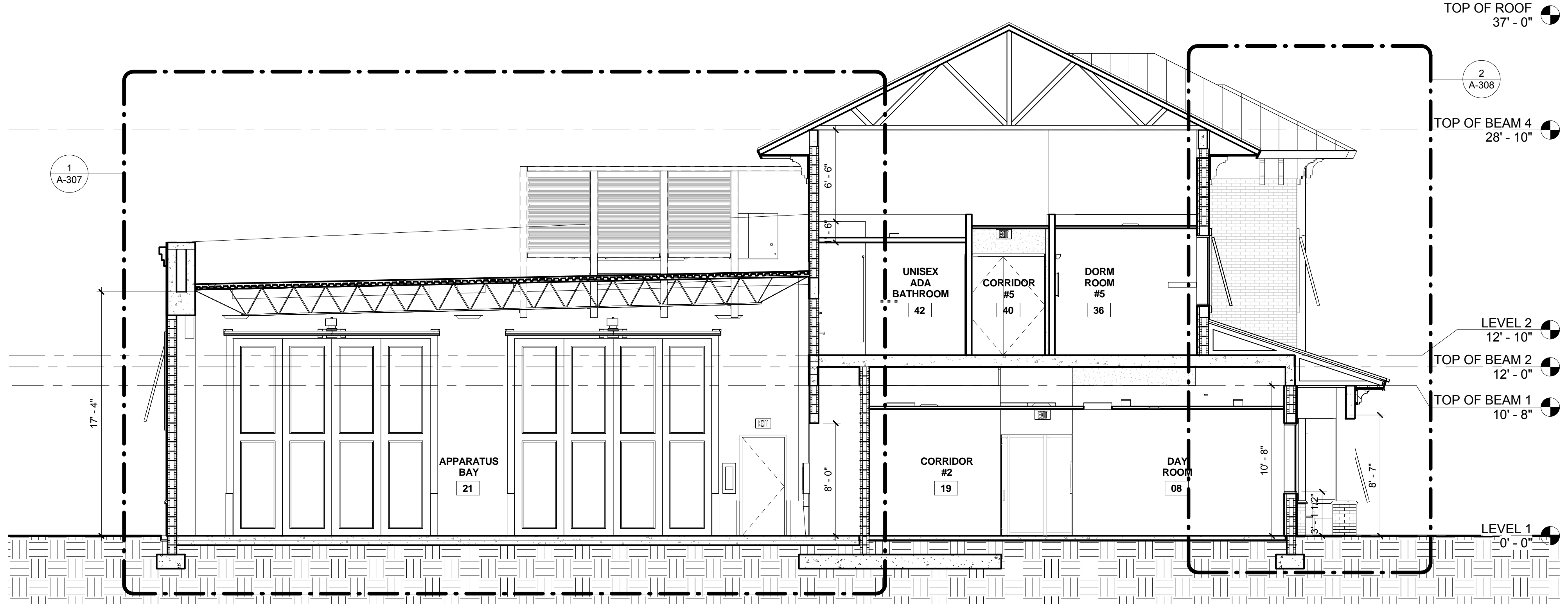
NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:



F Section F  
A-302 SCALE: 3/16" = 1'-0"

NOTE:  
PROVIDE SEALANT ALONG  
EXPOSED TOP EDGE OF ALL  
1/2" EXPANSION JOINT  
MATERIALS. TYP.



G Section G  
A-302 SCALE: 3/16" = 1'-0"

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233 FAX: (954) 337-0359  
AN 02000686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Building Sections

DRAWN: RJMG

CHECKED:

DATE: 07-25-2014

SCALE: 3/16" = 1'-0"

PROJECT NO. 1220D

SHEET:

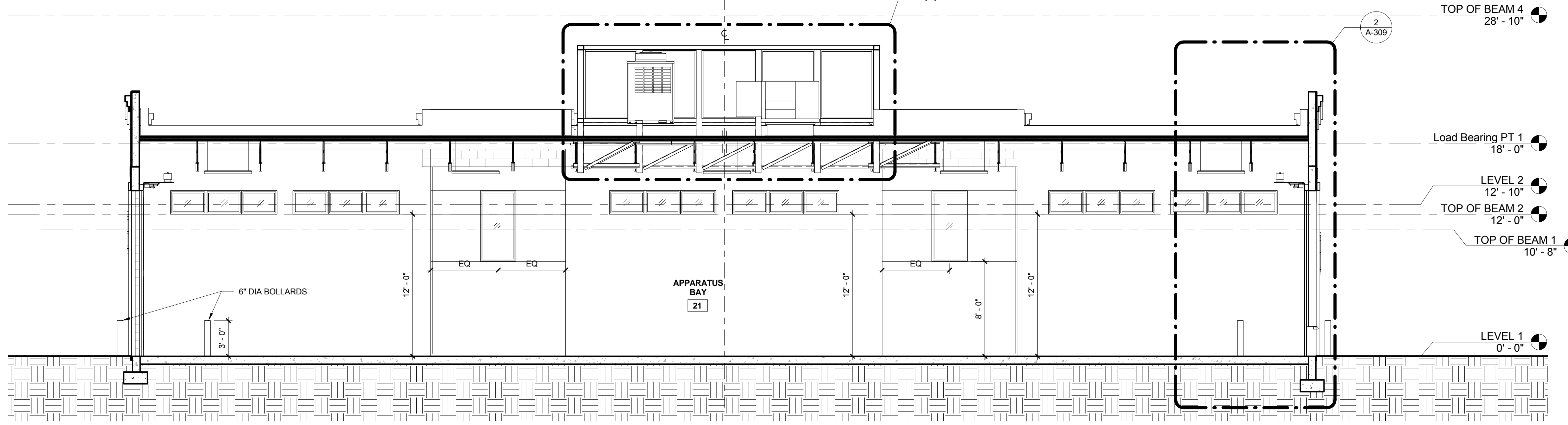
A-302

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO.  
10395  
STATE OF FLORIDA

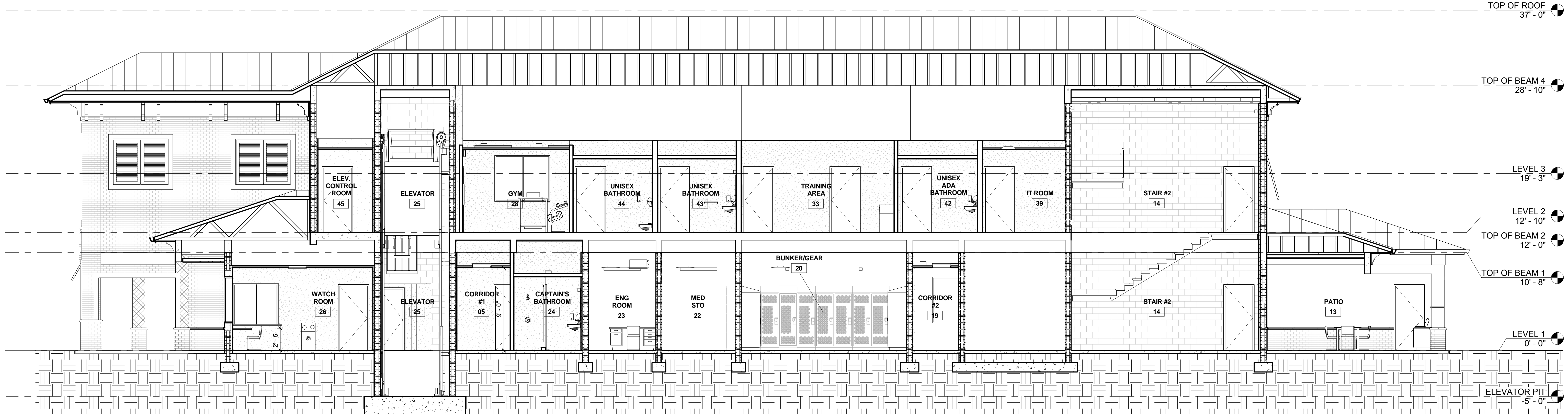
DATE:

C:\Users\jzimmerman\Documents\PROJECTS\1220D\_FS\_36\_Construction\Issue\_CENTRAL\_CPZ\1220D.dwg  
11/4/2014 8:34:47 AM

NOTE:  
PROVIDE SEALANT ALONG EXPOSED TOP EDGE OF ALL 1/2" EXPANSION JOINT MATERIALS. TYP.



2 Section H  
A-303 SCALE: 3/16" = 1'-0"



I Section I  
A-303 SCALE: 3/16" = 1'-0"

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBOWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8225 FAX: (954) 337-0359  
AN 12500688 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Building Sections

DRAWN: R/JMG  
CHECKED:  
DATE: 07-25-2014  
SCALE: 3/16" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10595  
STATE OF FLORIDA

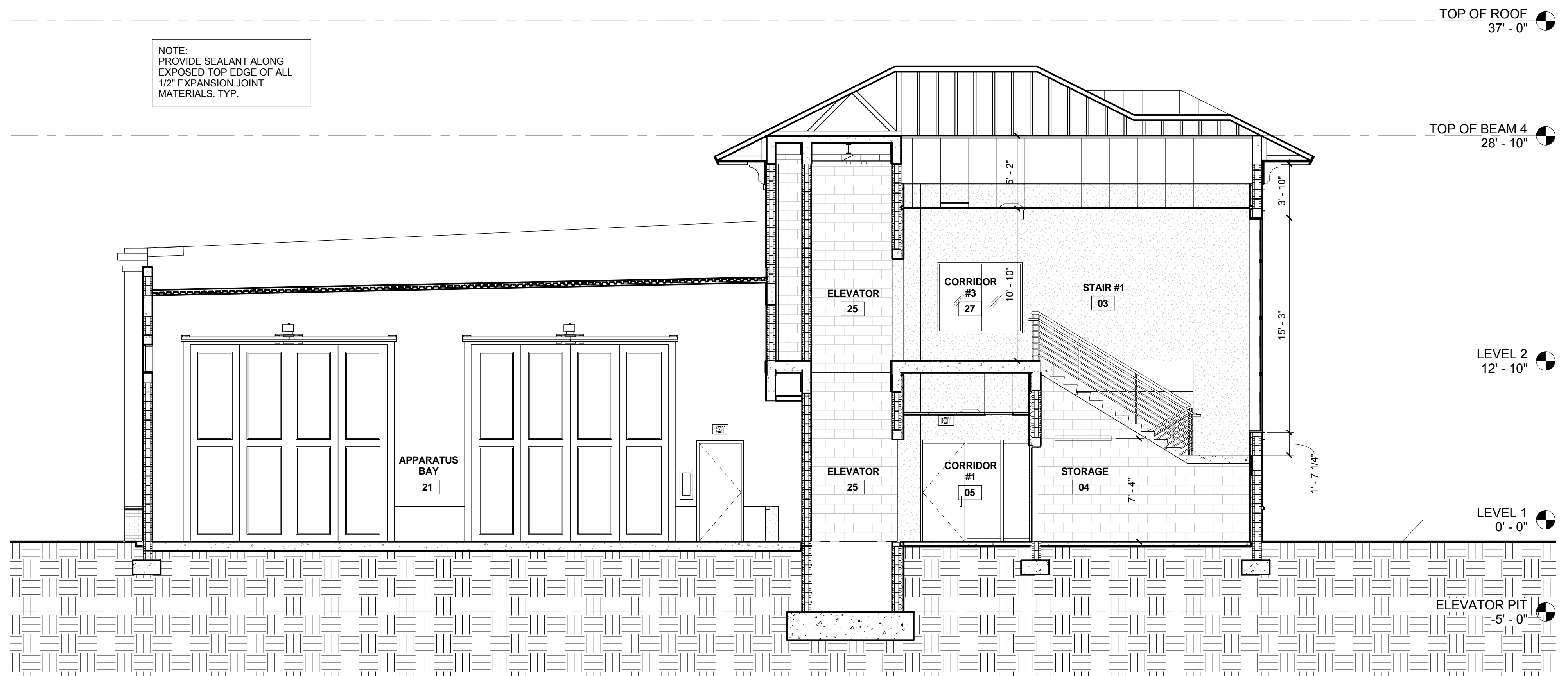
A-303

DATE:

C:\Users\jzimmerman\Documents\1220D\_1220D\_FS\_S2\_Dimension\1220D\_1220D\_FS\_S2\_Dimension.dwg, CPZ\_ARCHITECTS, INC., 11/2/2014 8:34:54 AM

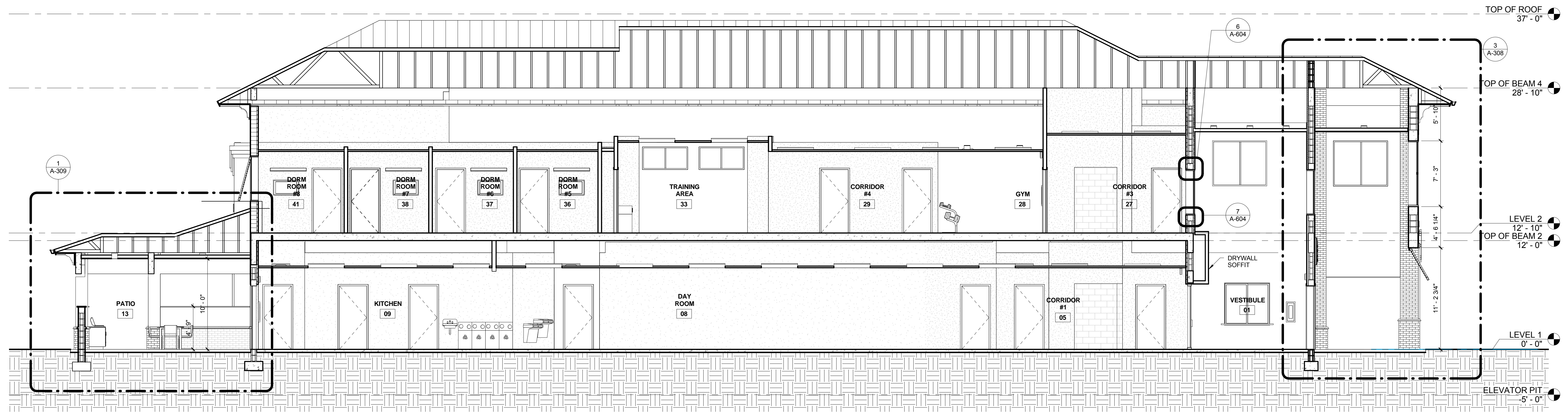
NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
1	ISSUE SET	07-25-2014
1	ISSUE SET	10-08-14

CONSULTANT:



NOTE:  
PROVIDE SEALANT ALONG  
EXPOSED TOP EDGE OF ALL  
1/2" EXPANSION JOINT  
MATERIALS. TYP.

**J Section J**  
A-304 SCALE: 3/16" = 1'-0"



**K Section K**  
A-304 SCALE: 3/16" = 1'-0"

**FIRE STATION 50**

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0359  
AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Building Sections

DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 3/16" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO.  
10395  
STATE OF FLORIDA

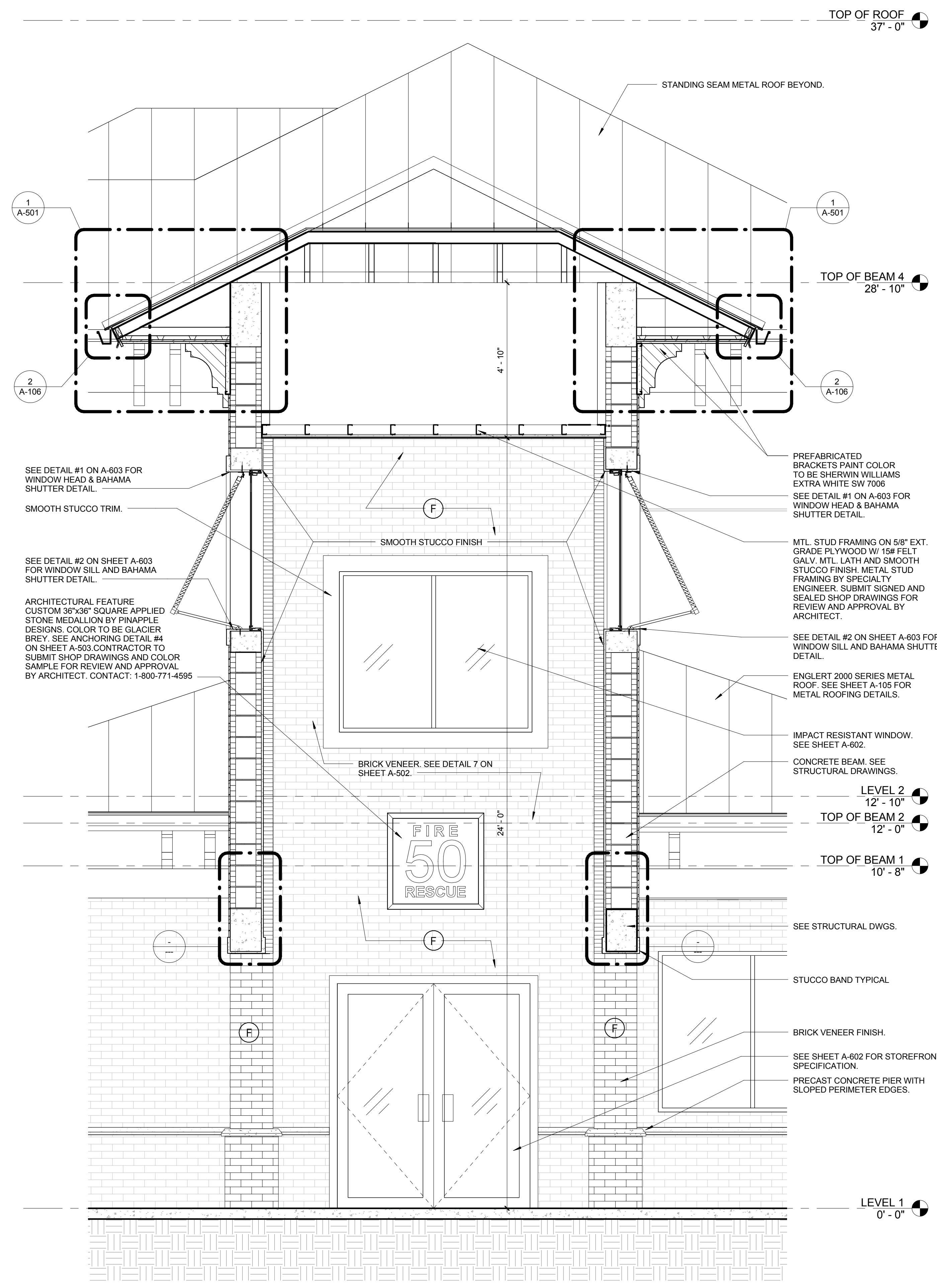
**A-304**

DATE:

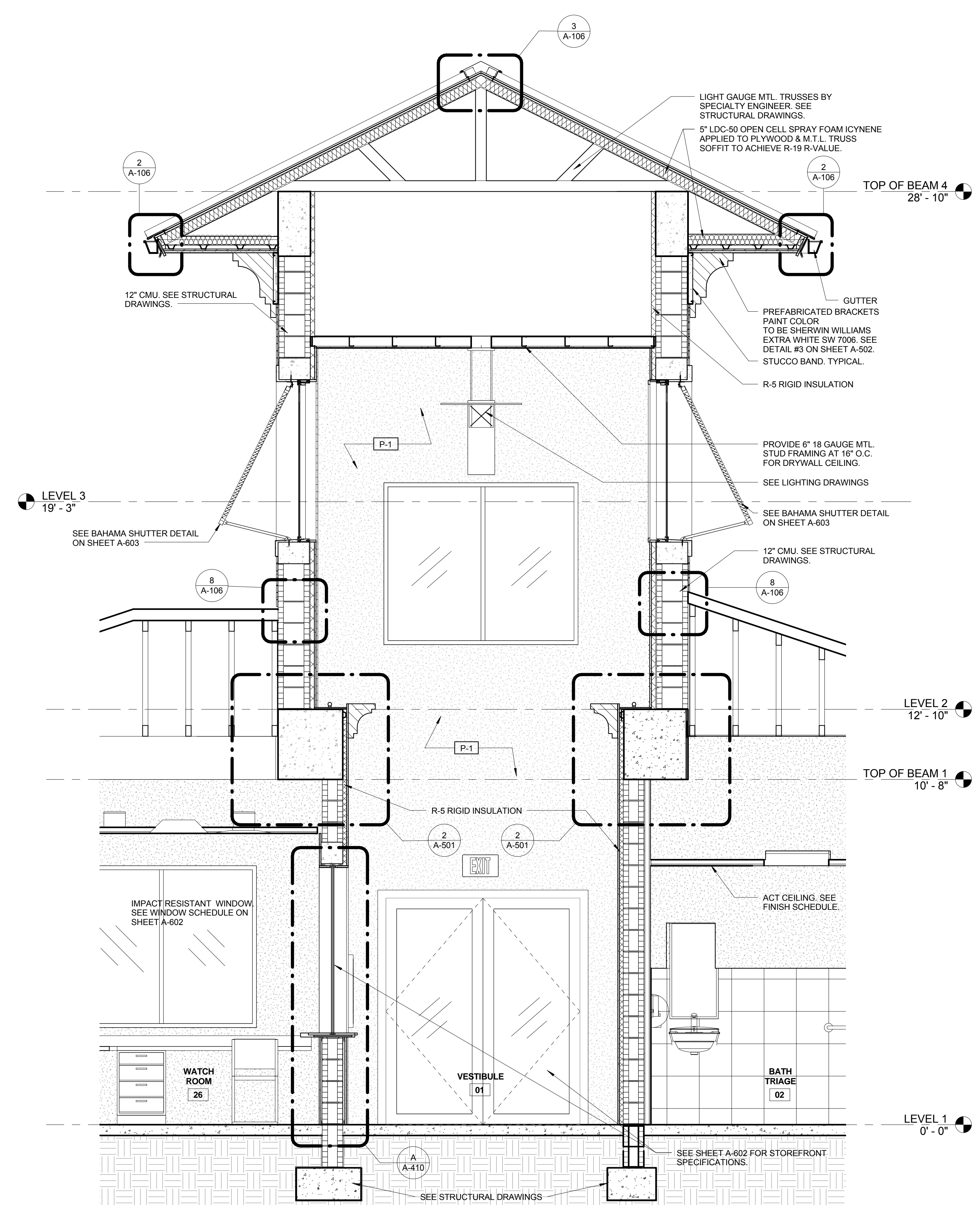
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11/4/2014 8:52:00 AM

NO.	REVISION	DATE
	CONSTRUCTION	07-25-2014
	ISSUE SET	

CONSULTANT:



**1 Enlarged Section 1**  
A-305 SCALE: 1/2" = 1'-0"



**2 Enlarged Section 2**  
A-305 SCALE: 1/2" = 1'-0"

**CPZ ARCHITECTS, INC.**  
 4316 WESTBOWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 942-8423 FAX: (954) 337-0359  
 AN 15206686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
 Enlarged Building Sections  
 DRAWN: RJMG  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: 1/2" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10595  
 STATE OF FLORIDA

DATE:

C:\Users\pzimmerman\Documents\1220D\_13\_25\_14\_09\Drawings\Fire Station\A-305.dwg  
 11/18/2014 8:50:06 AM

NO.	REVISION	DATE
	CONSTRUCTION	07-25-2014
	ISSUE SET	

CONSULTANT:

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 952-8253 FAX: (954) 337-0359  
AN 15306668 WWW.CPZARCHITECTS.COM

DRAWING TITLE:

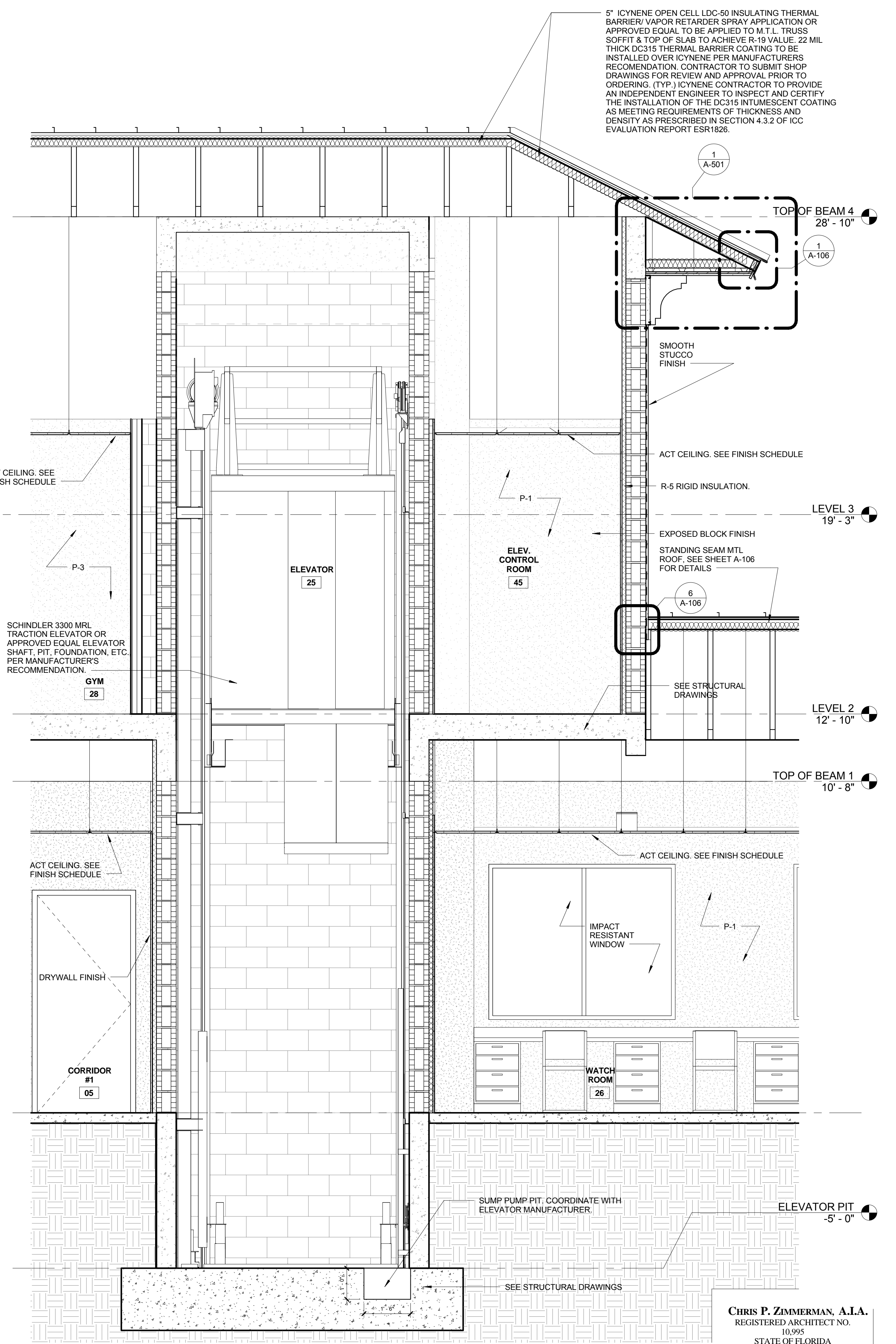
Enlarged Building Sections

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

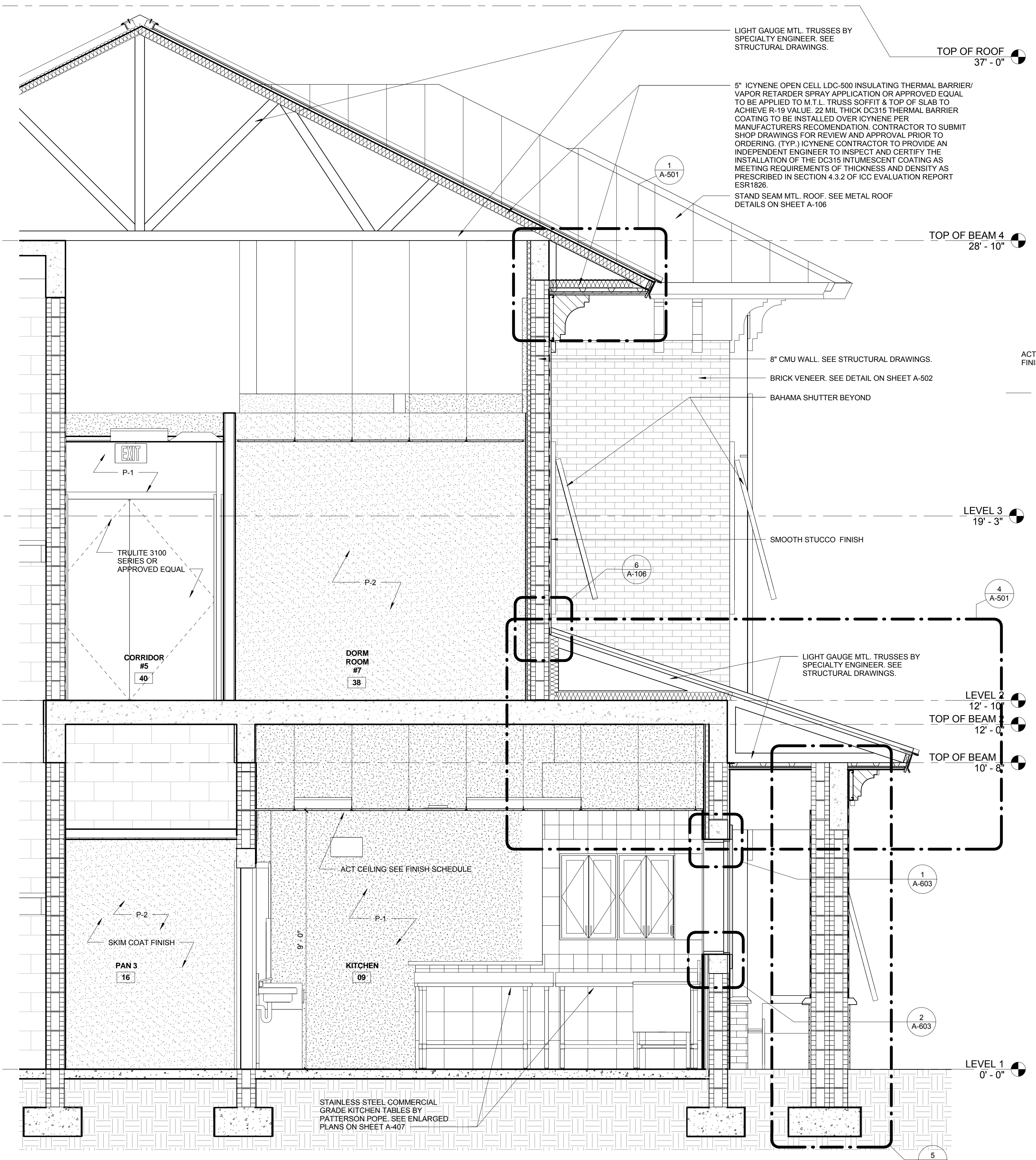
A-306

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:



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



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

C:\Users\jzimmerman\Documents\Projects\Fire Station 50 - Construction Issue Set - Construction Issue - CPZ\FINAL\_CPZ21409.rvt  
1/4/2014 8:55:12 AM

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
	ISSUE SET	

CONSULTANT:

TOP OF BEAM 4  
28' - 10"

Load Bearing PT 3  
25' - 8"

LEVEL 3  
19' - 3"

LEVEL 2  
12' - 10"

LEVEL 1  
0' - 0"

5" ICYNENE OPEN CELL LDC-50 INSULATING THERMAL BARRIER/ VAPOR RETARDER SPRAY APPLICATION OR APPROVED EQUAL TO BE APPLIED TO M.T.L. TRUSS SOFFIT & TOP OF SLAB TO ACHIEVE R-19 VALUE. 22 MIL THICK DC315 THERMAL BARRIER COATING TO BE INSTALLED OVER ICYNENE PER MANUFACTURERS RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING. (TYP.) ICYNENE CONTRACTOR TO PROVIDE AN INDEPENDENT ENGINEER TO INSPECT AND CERTIFY THE INSTALLATION OF THE DC315 INTUMESCENT COATING AS MEETING REQUIREMENTS OF THICKNESS AND DENSITY AS PRESCRIBED IN SECTION 4.3.2 OF ICG EVALUATION REPORT ESR1826.

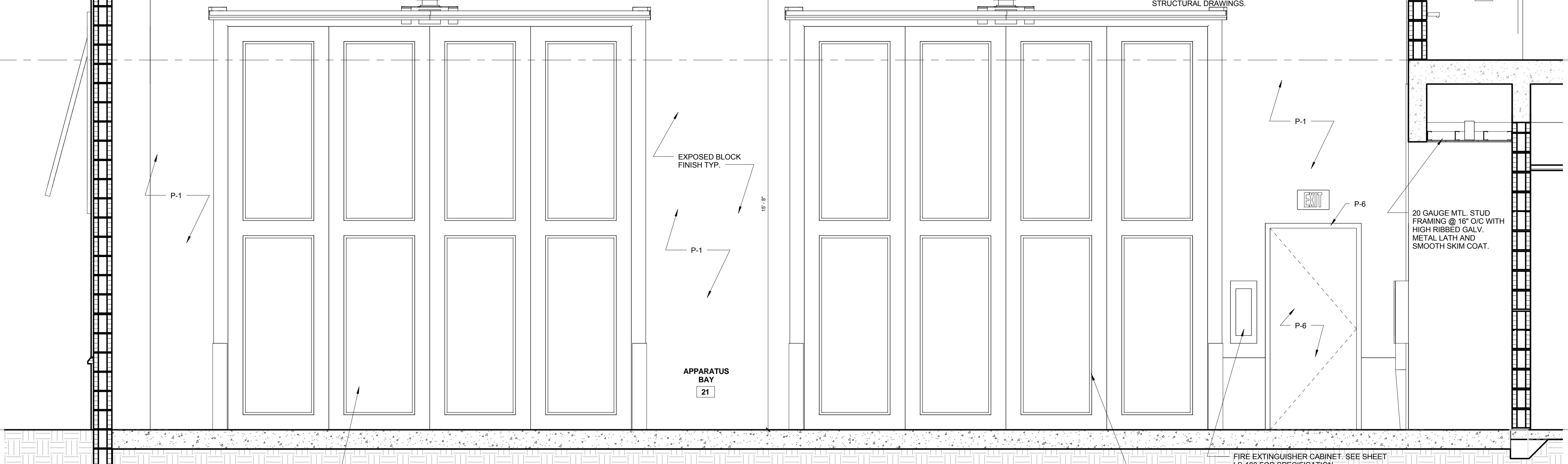
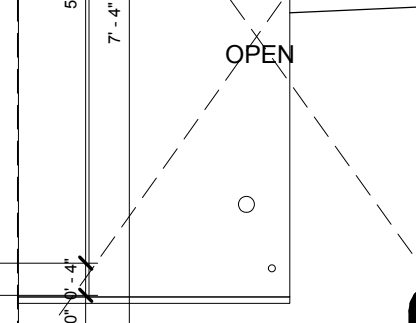
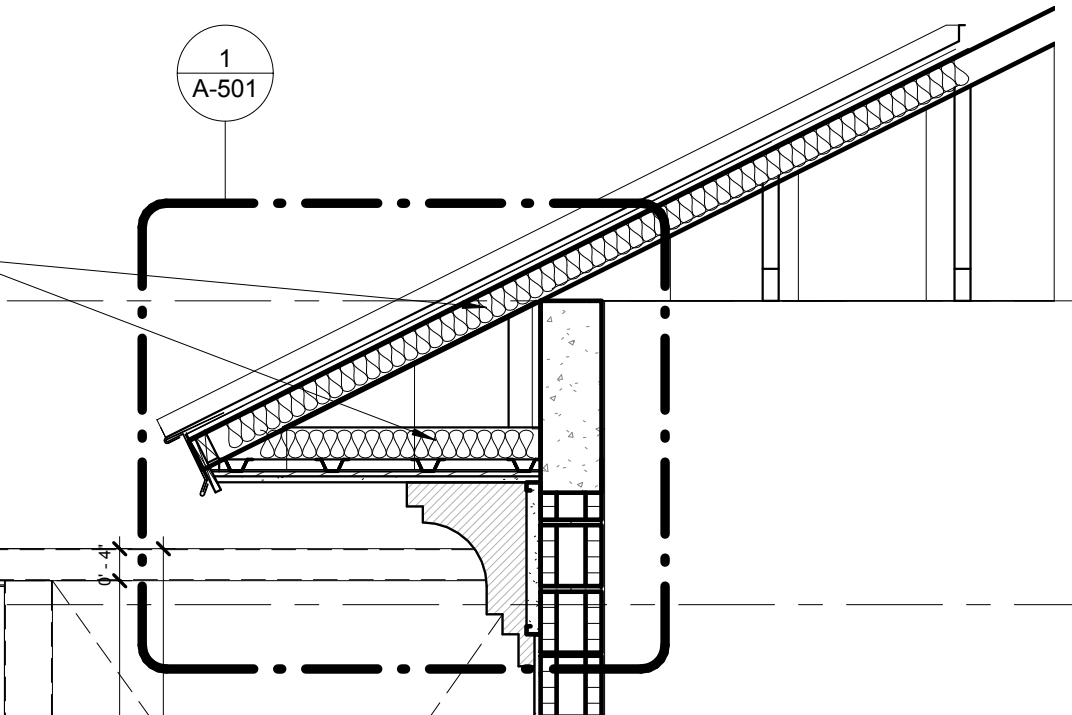
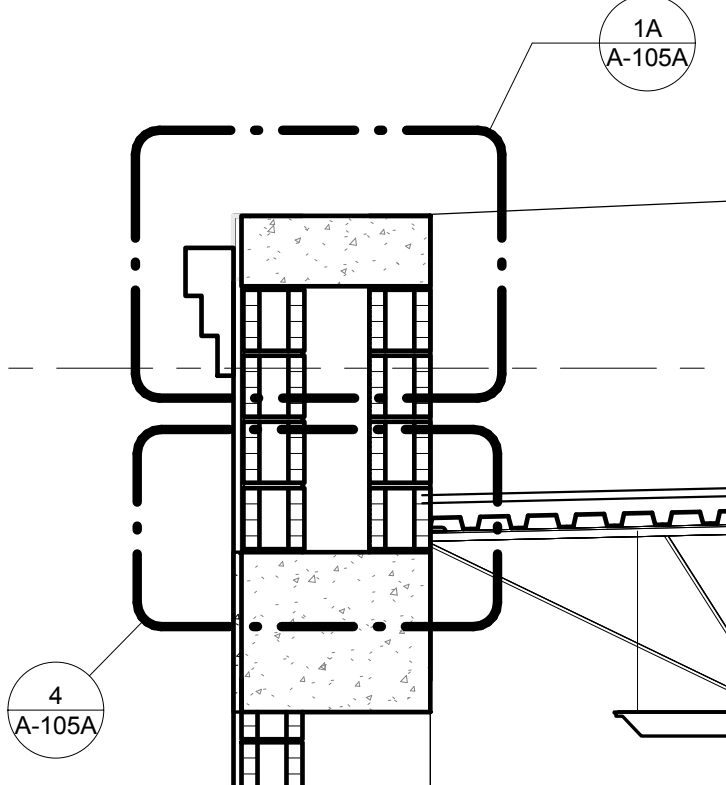
ALUMINUM LOUVERS BY INDUSTRIAL LOUVERS, INC. OR APPROVED EQUAL. NOA # 13-0909 09. CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS BY A FLORIDA REGISTERED ENGINEER SHOWING LOUVER ATTACHMENT DETAILS TO STEEL TUBES AND PROVIDE N.O.A. FOR REVIEW AND APPROVAL PRIOR TO ORDERING. ALUMINUM LOUVERS SHALL BE CUSTOM POWDER COATED SHERWIN WILLIAMS 7107 DORIAN GREY. CONTRACTOR TO PROVIDE SAMPLE FOR REVIEW AND APPROVAL. CONTACT: GREG COOPER AT GC BUILDING PRODUCTS (954) 370-6717 AND (954) 398-5508. SEE SHEET A-503 FOR DETAILS.

SEE PAINT SPEC ON SHEET A-503

SEE WALL FLASHING DETAIL #4 ON SHEET A-105A

1  
A-501

4  
A-105A



FOUR FOLD HURRICANE RATED DOORS BY "DOOR ENGINEERING AND MANUFACTURING" OR APPROVED EQUAL. MODEL # FF700, FL # 8446. INSTALL PER MANUFACTURER'S RECOMMENDATION.

FIRE EXTINGUISHER CABINET. SEE SHEET LS-100 FOR SPECIFICATION.

**1** Enlarged Section 1

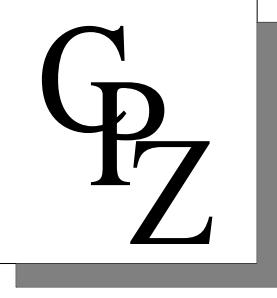
A-307 SCALE: 1/2" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Enlarged Building Sections

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

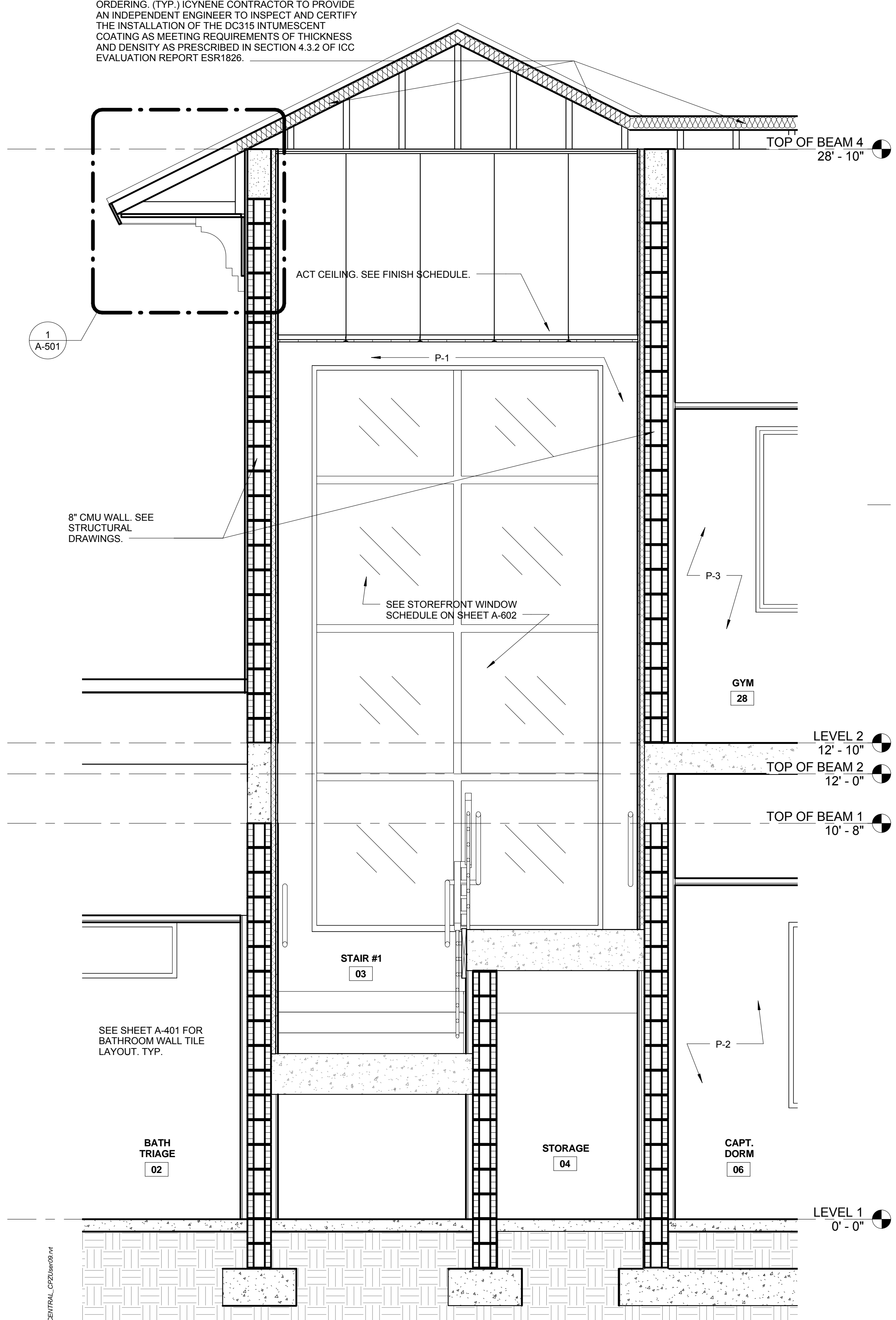
A-307

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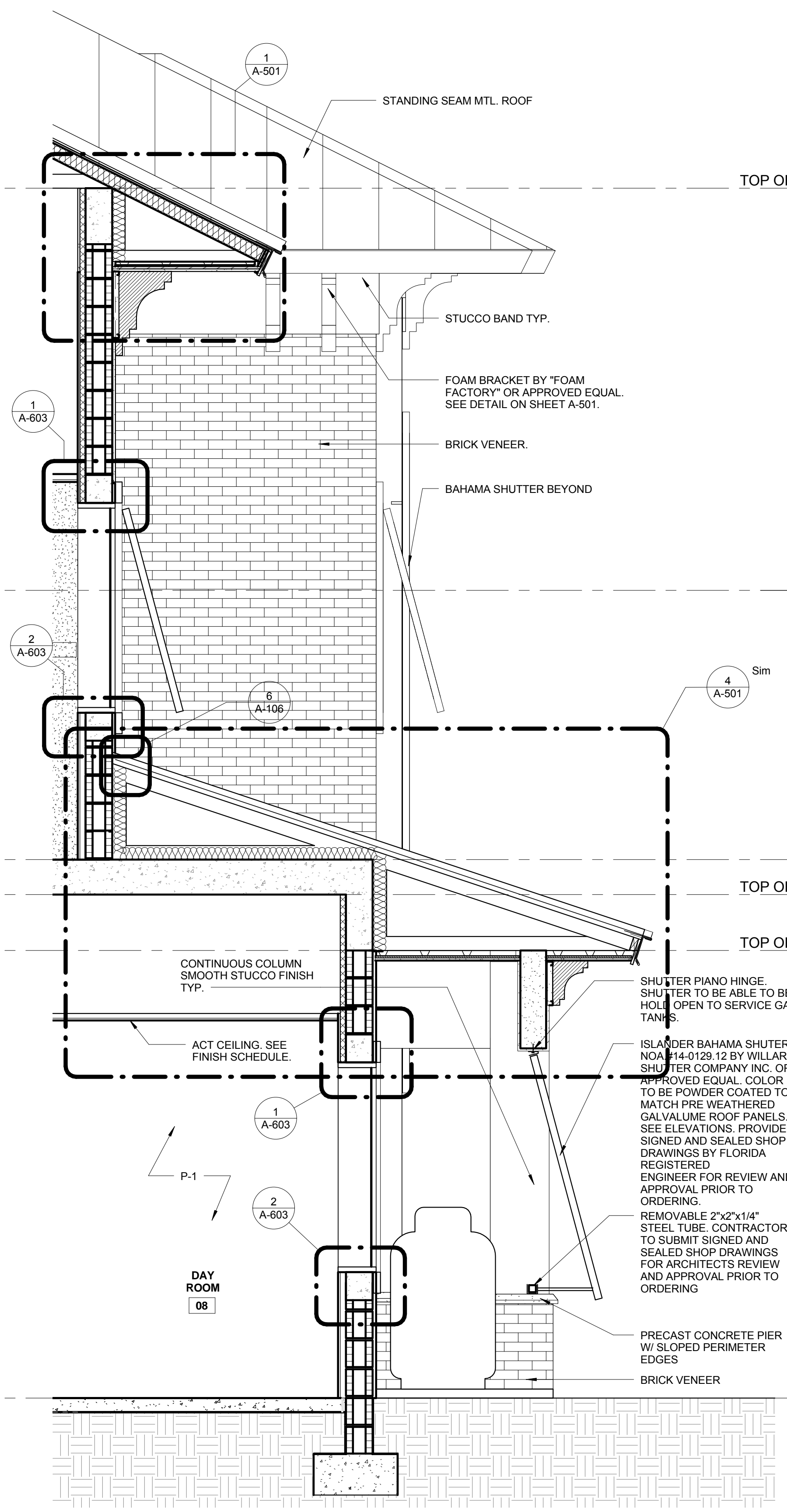
5" ICYNENE OPEN CELL LDC-50 INSULATING THERMAL BARRIER/ VAPOR RETARDER SPRAY APPLICATION OR APPROVED EQUAL TO BE APPLIED TO M.T.L. TRUSS SOFFIT & TOP OF SLAB TO ACHIEVE R-19 VALUE. 22 MIL THICK DC315 THERMAL BARRIER COATING TO BE INSTALLED OVER ICYNENE PER MANUFACTURERS RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING. (TYP.) ICYNENE CONTRACTOR TO PROVIDE AN INDEPENDENT ENGINEER TO INSPECT AND CERTIFY THE INSTALLATION OF THE DC315 INTUMESCENT COATING AS MEETING REQUIREMENTS OF THICKNESS AND DENSITY AS PRESCRIBED IN SECTION 4.3.2 OF ICC EVALUATION REPORT ESR1826.

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

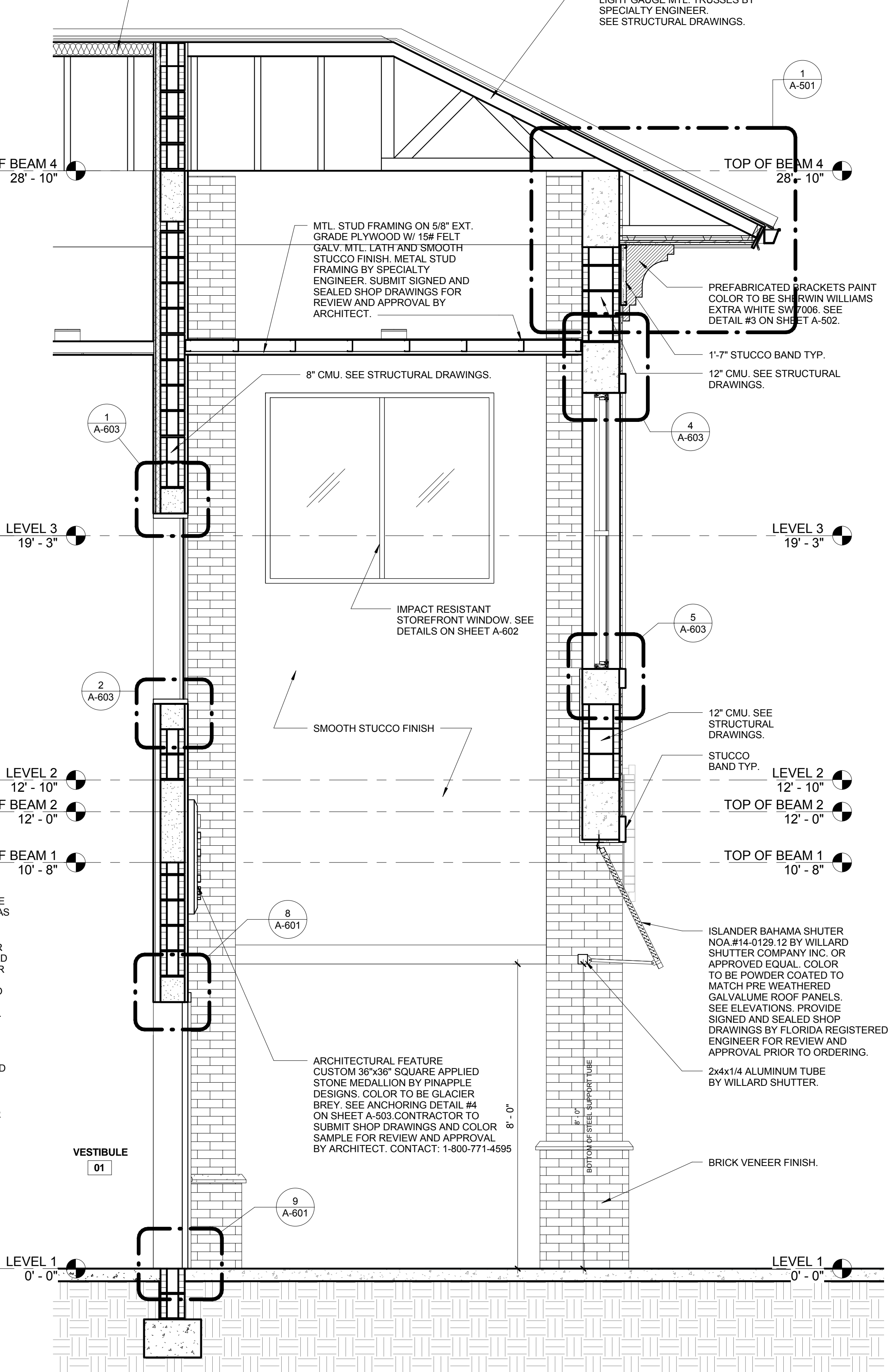
CONSULTANT:



1 Enlarged Section 1  
A-308 SCALE: 1/2" = 1'-0"



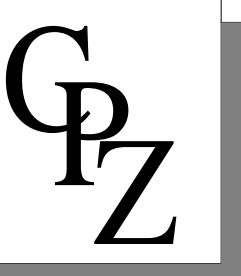
2 Enlarged Section 2  
A-308 SCALE: 1/2" = 1'-0"



3 Enlarged Section 3  
A-308 SCALE: 1/2" = 1'-0"

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Enlarged Building Sections

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

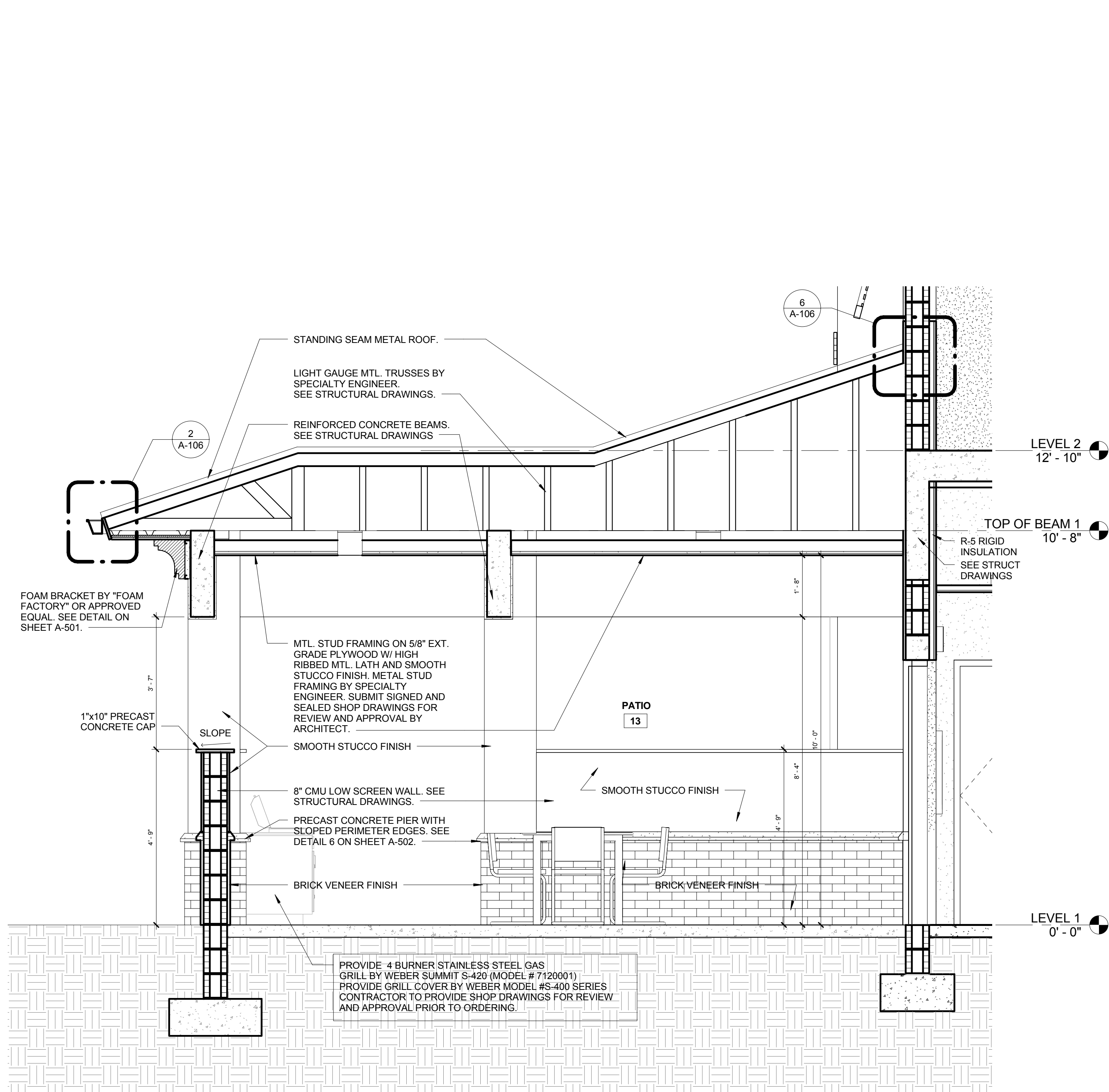
A-308

DATE:

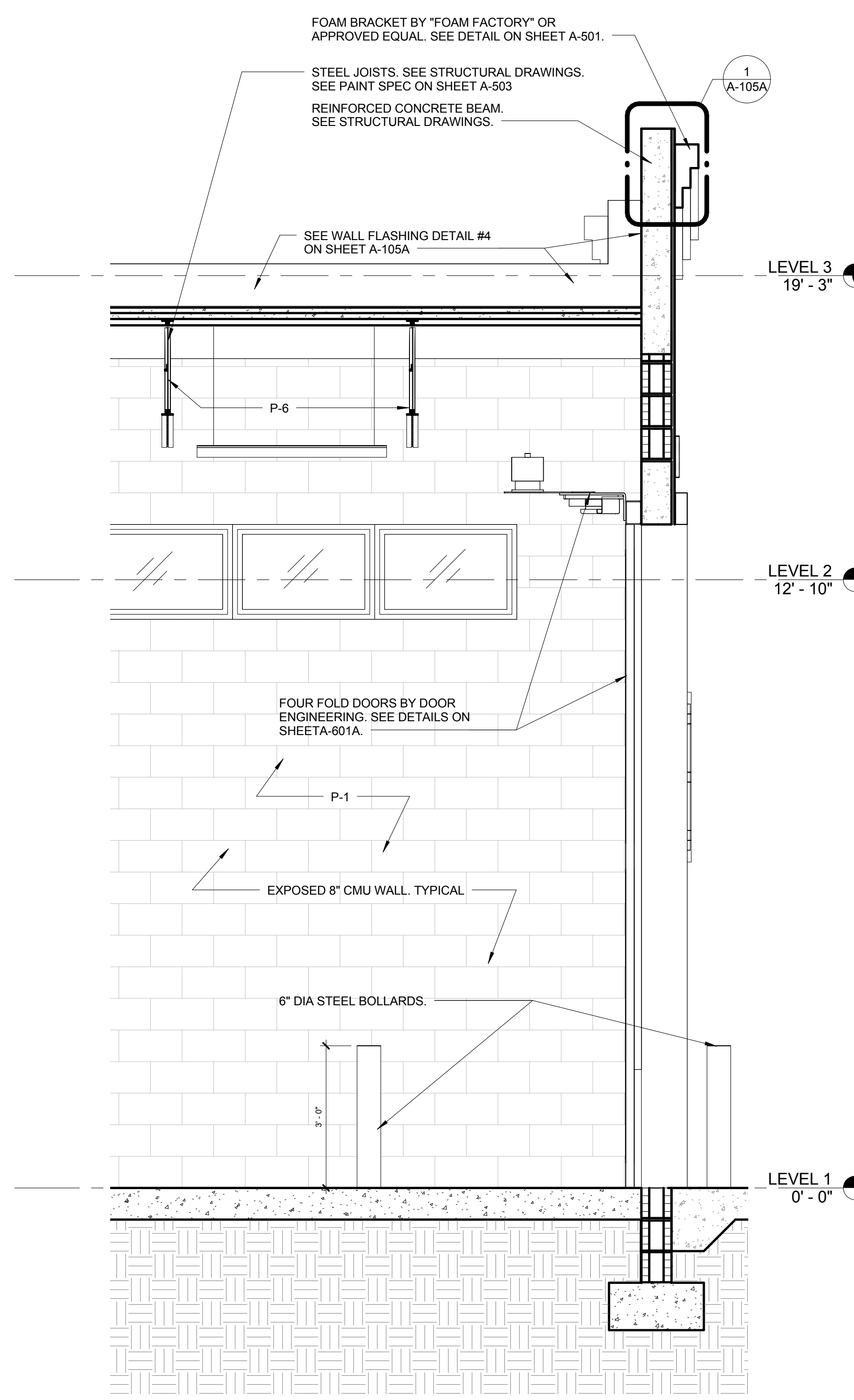
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NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

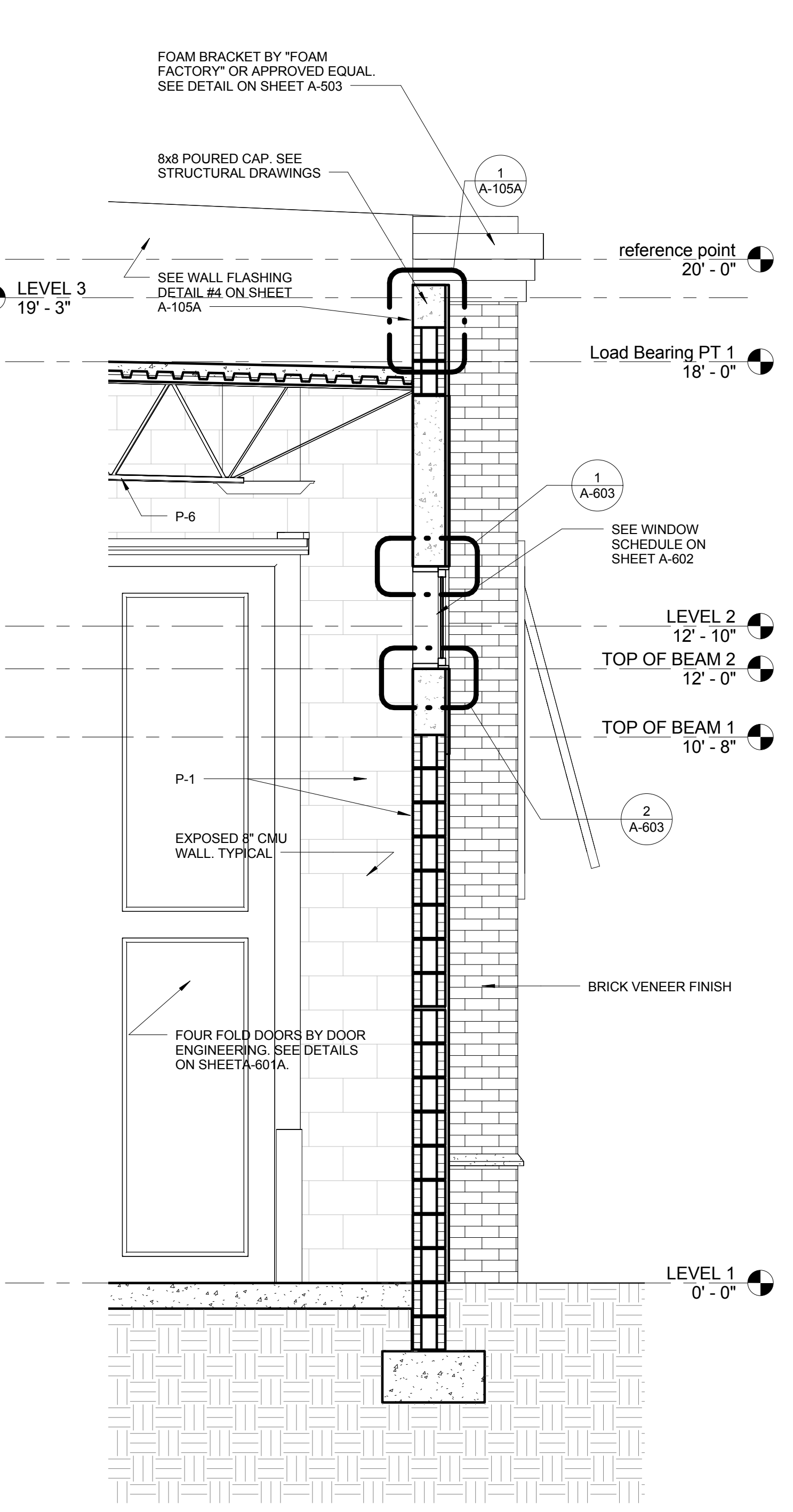
CONSULTANT:



**1**  
A-309 SCALE: 1/2" = 1'-0"



**2**  
A-309 SCALE: 1/2" = 1'-0"



**3**  
A-309 SCALE: 1/2" = 1'-0"

**CPZ ARCHITECTS, INC.**  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-6222 FAX: (954) 337-0359  
 A/E 2506686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Enlarged Building Sections

DRAWN: Author  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: 1/2" = 1'-0"  
 PROJECT NO. 12200  
 SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO.  
 10395  
 STATE OF FLORIDA

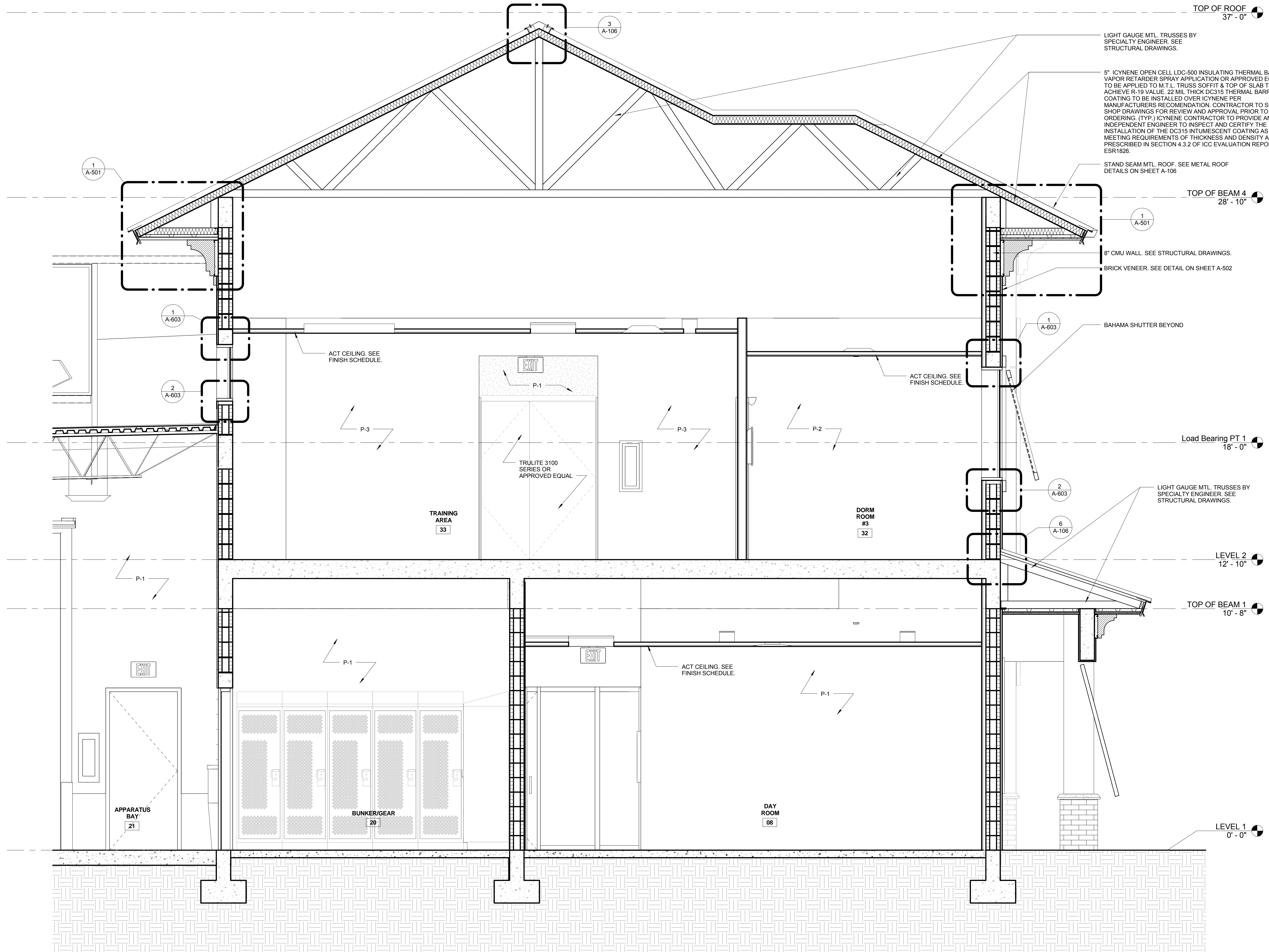
DATE:

C:\Users\jzimmerman\Documents\9517112200\_13\_S2\_Construction Issues\_CENTRAL\_CPZ.dwg 9/4 11:46:07 AM 8/25/14



NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:



FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Enlarged Building Sections

DRAWN:	JAH
CHECKED:	CPZ
DATE:	07-25-2014
SCALE:	1/2" = 1'-0"
PROJECT NO.:	1220D
SHEET:	

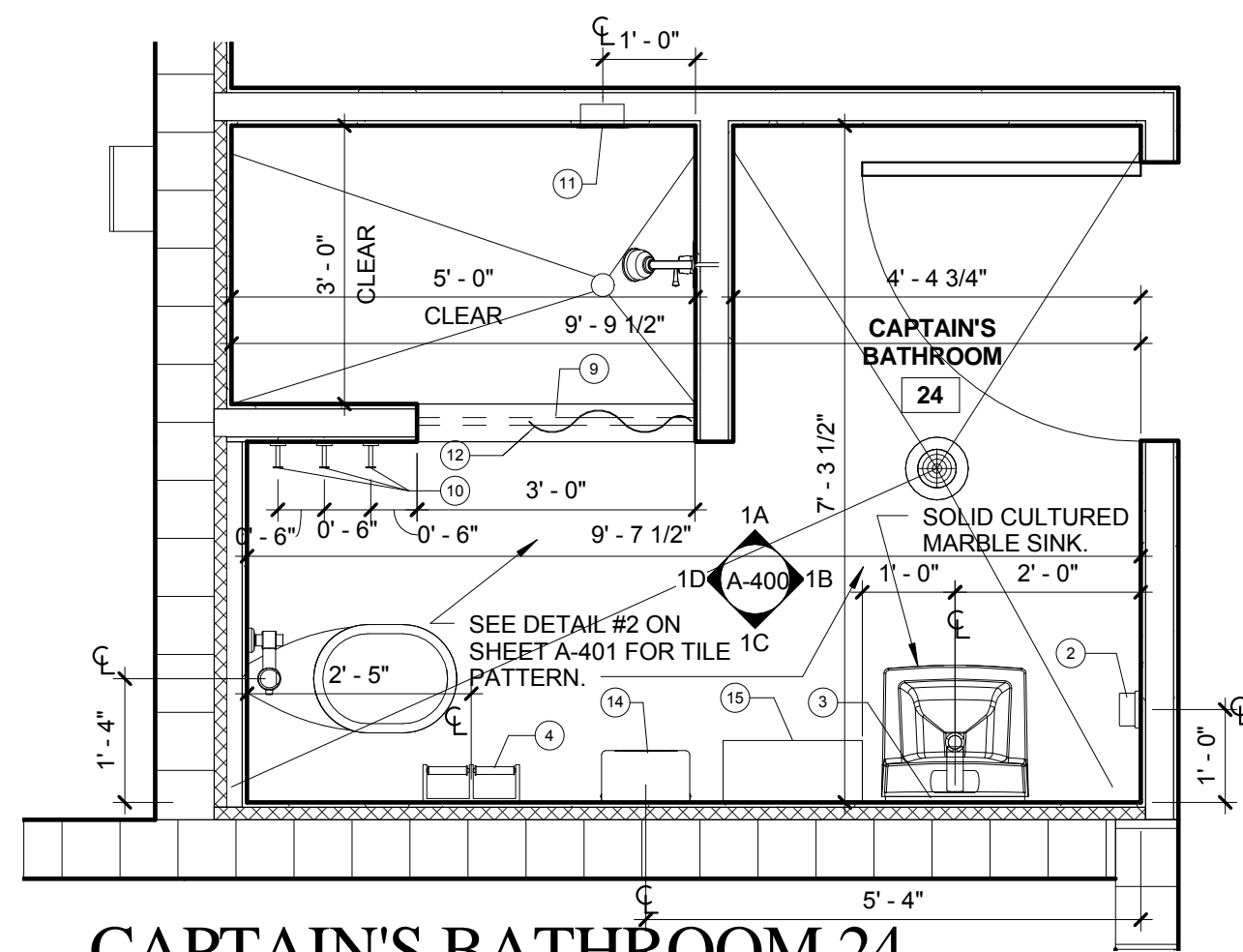
CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

A-310

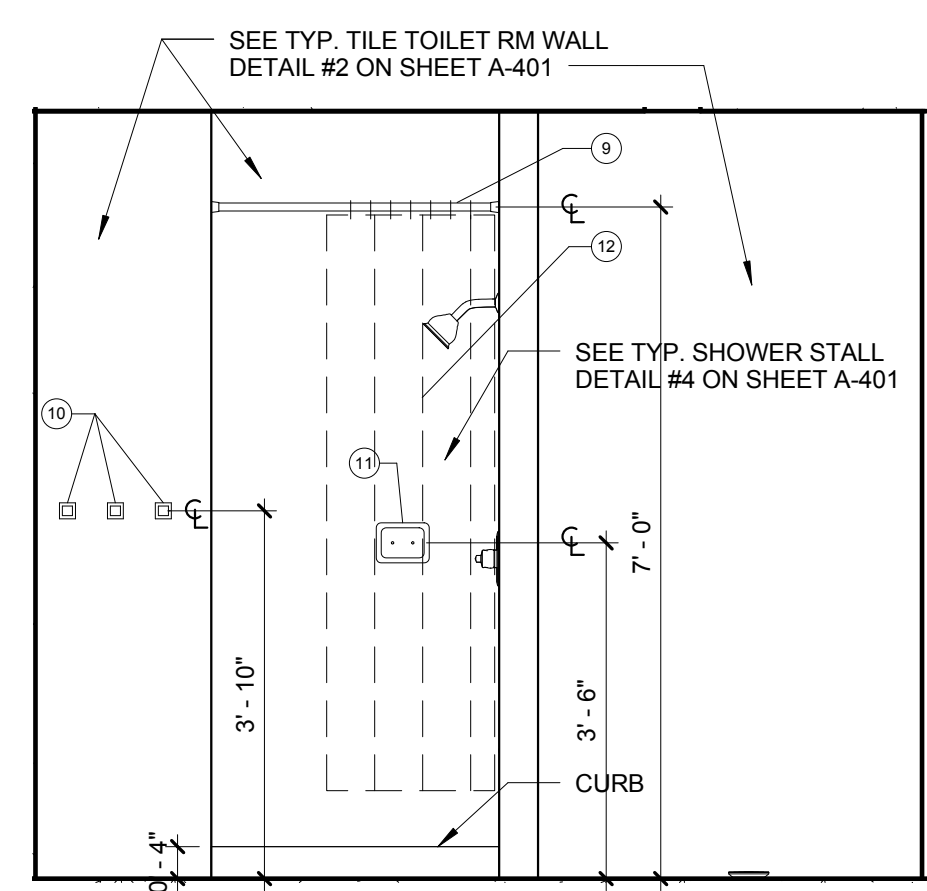
1 Enlarged Section 1  
A-310 SCALE: 1/2" = 1'-0"

DATE:

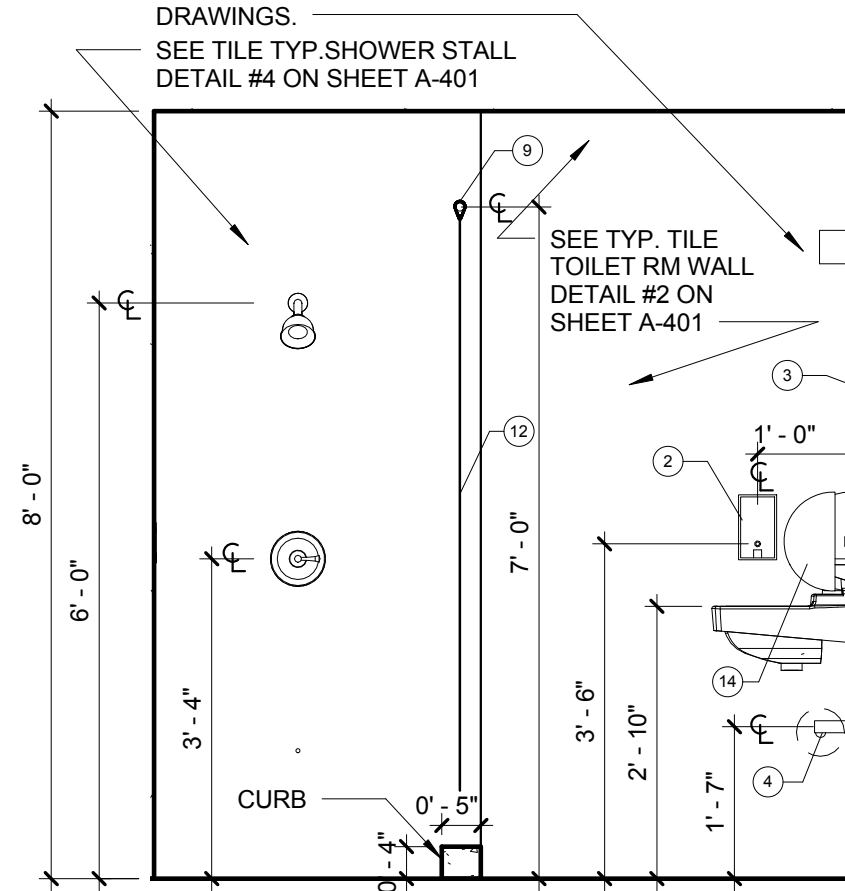
C:\Users\jzimmerman\Documents\1220D\_1220D\_FS\_02\_01\Drawings\1220D\_1220D\_FS\_02\_01\Enlarged Section 1 - CPZ.dwg 11/14/2014 8:52:29 AM



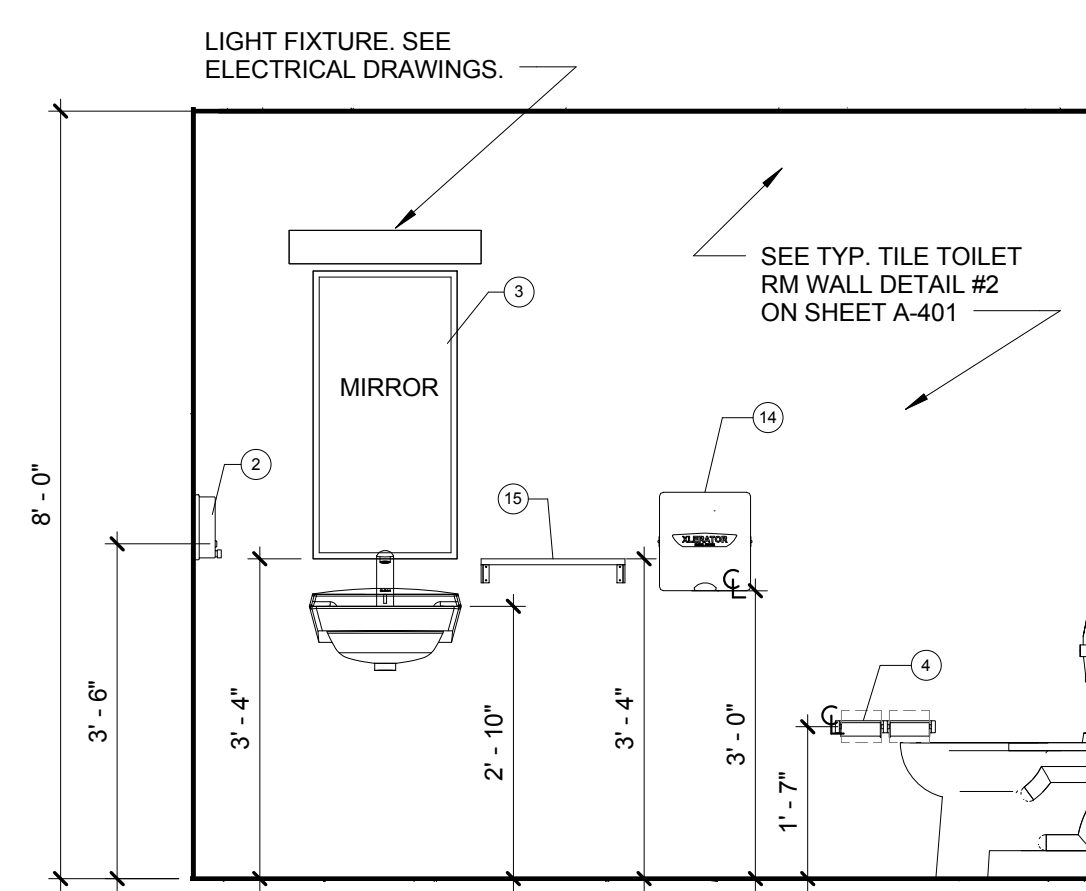
**CAPTAIN'S BATHROOM 24  
ENLARGED PLAN**



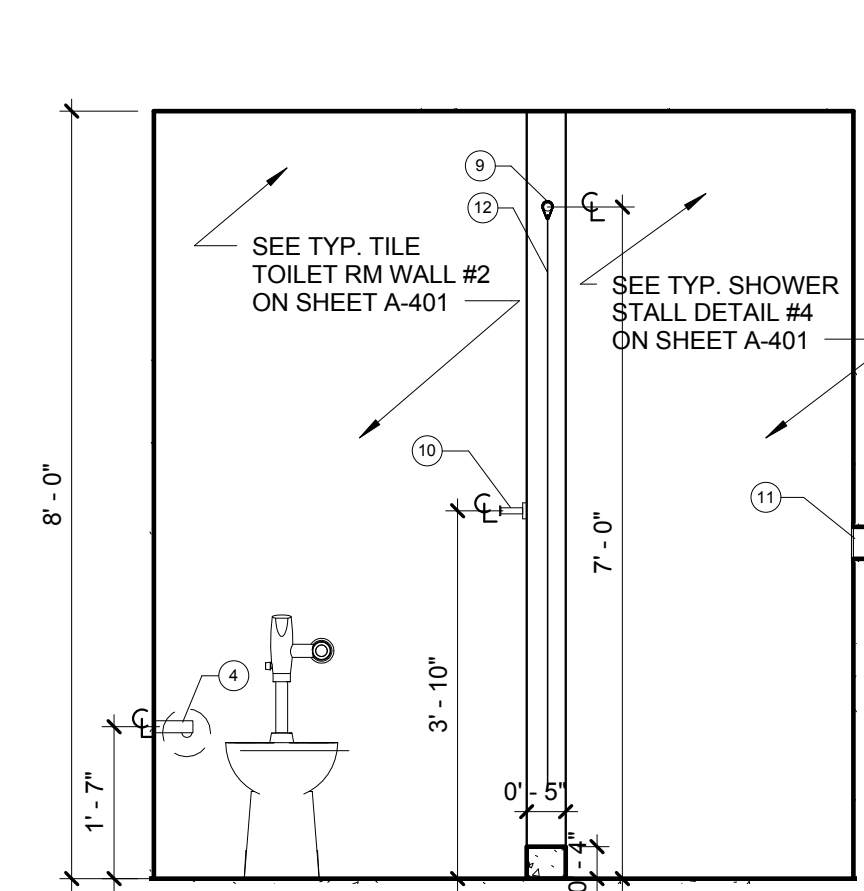
**BATHROOM 24 INT.  
ELEVATION 1A**



**BATHROOM 24 INT.  
ELEVATION 1B**



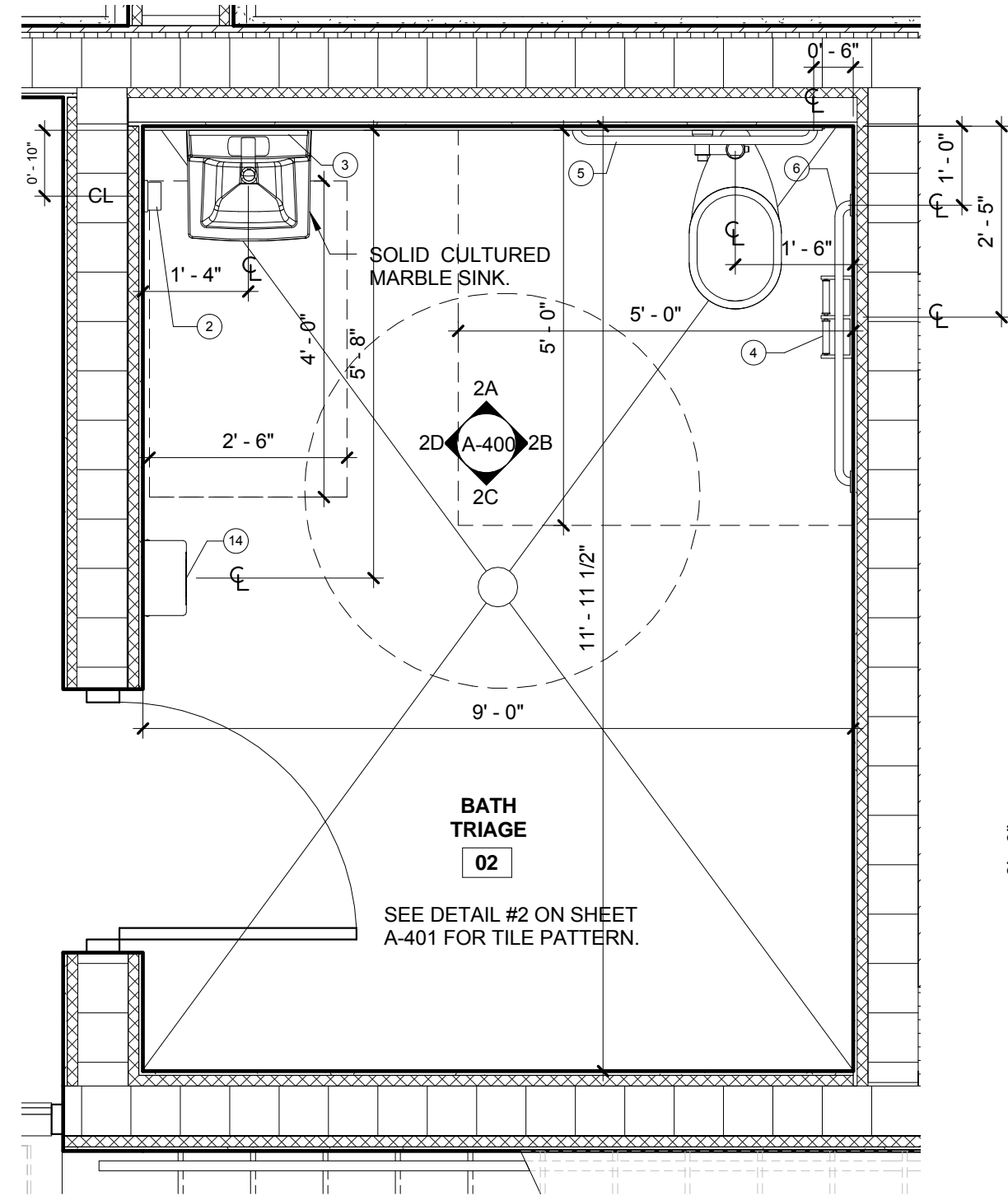
**BATHROOM 24 INT.  
ELEVATION 1C**



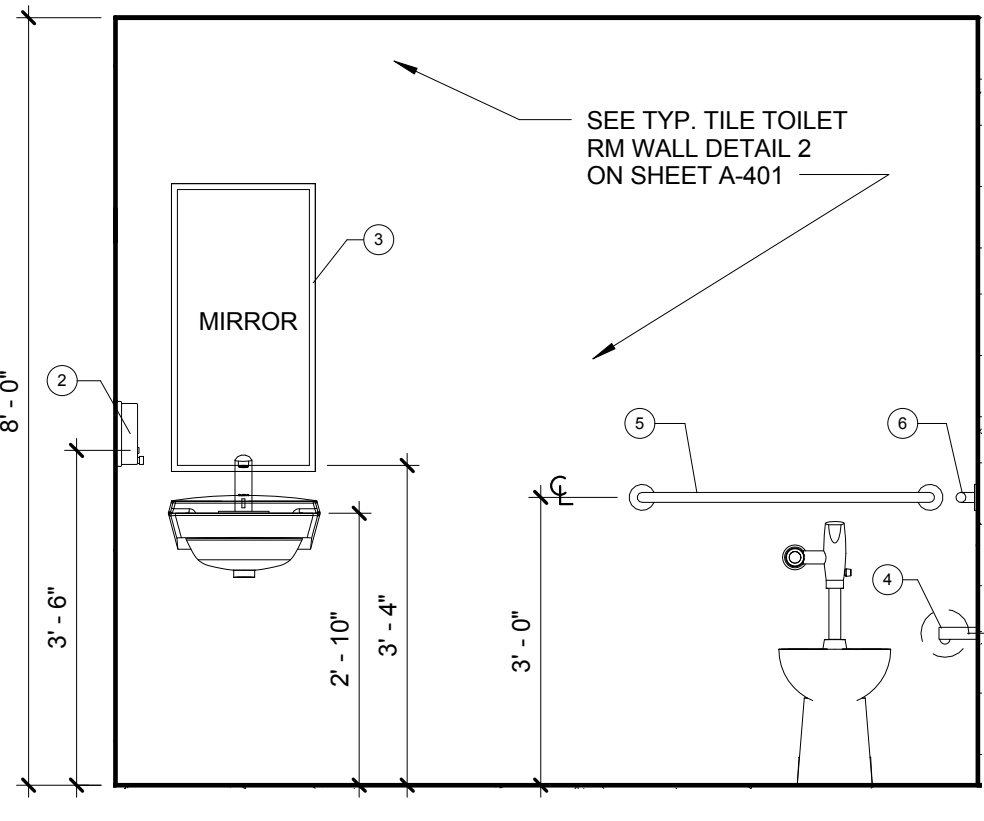
**BATHROOM 24 INT.  
ELEVATION 1D**

NO.	REVISION	DATE
	CONSTRUCTION	07-25-2014
	ISSUE SET	

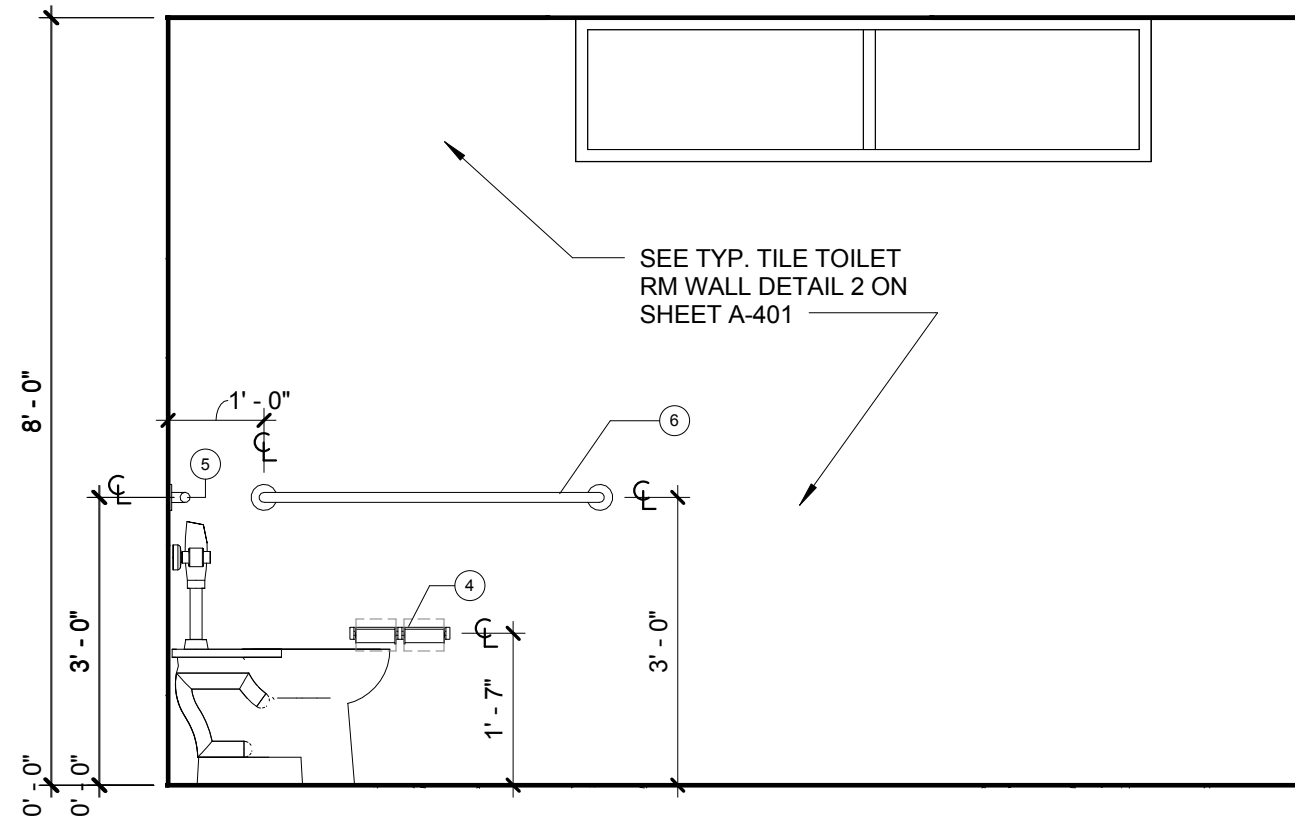
CONSULTANT:



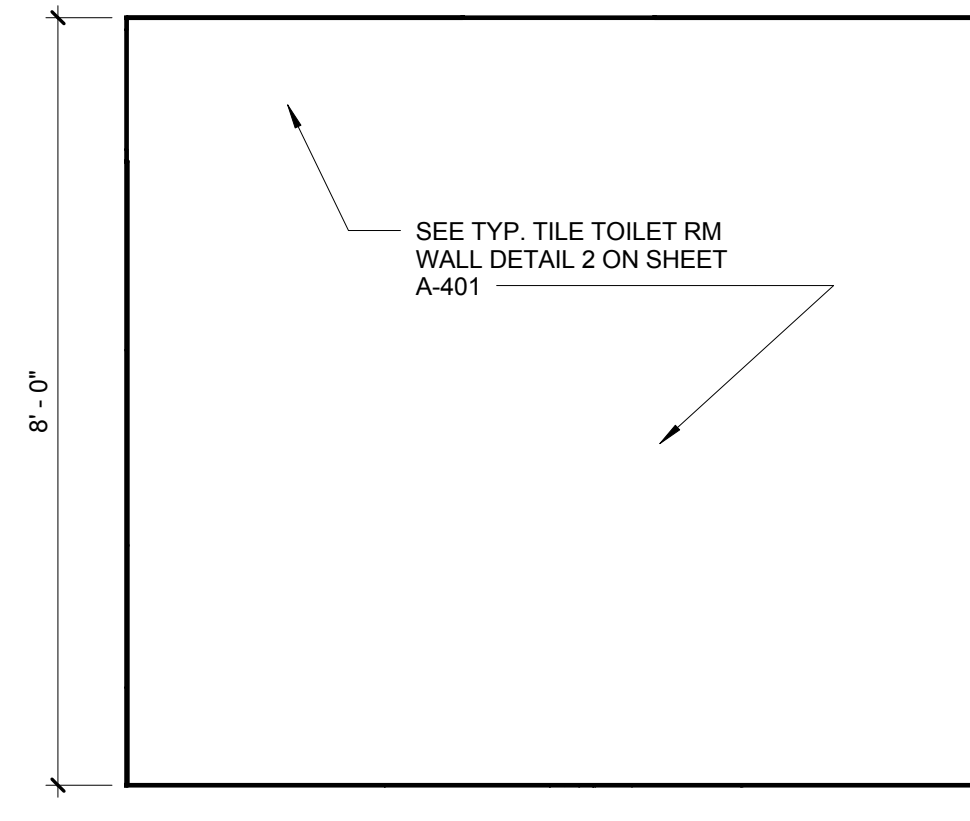
**BATH TRIAGE 02 ENLARGED PLAN**



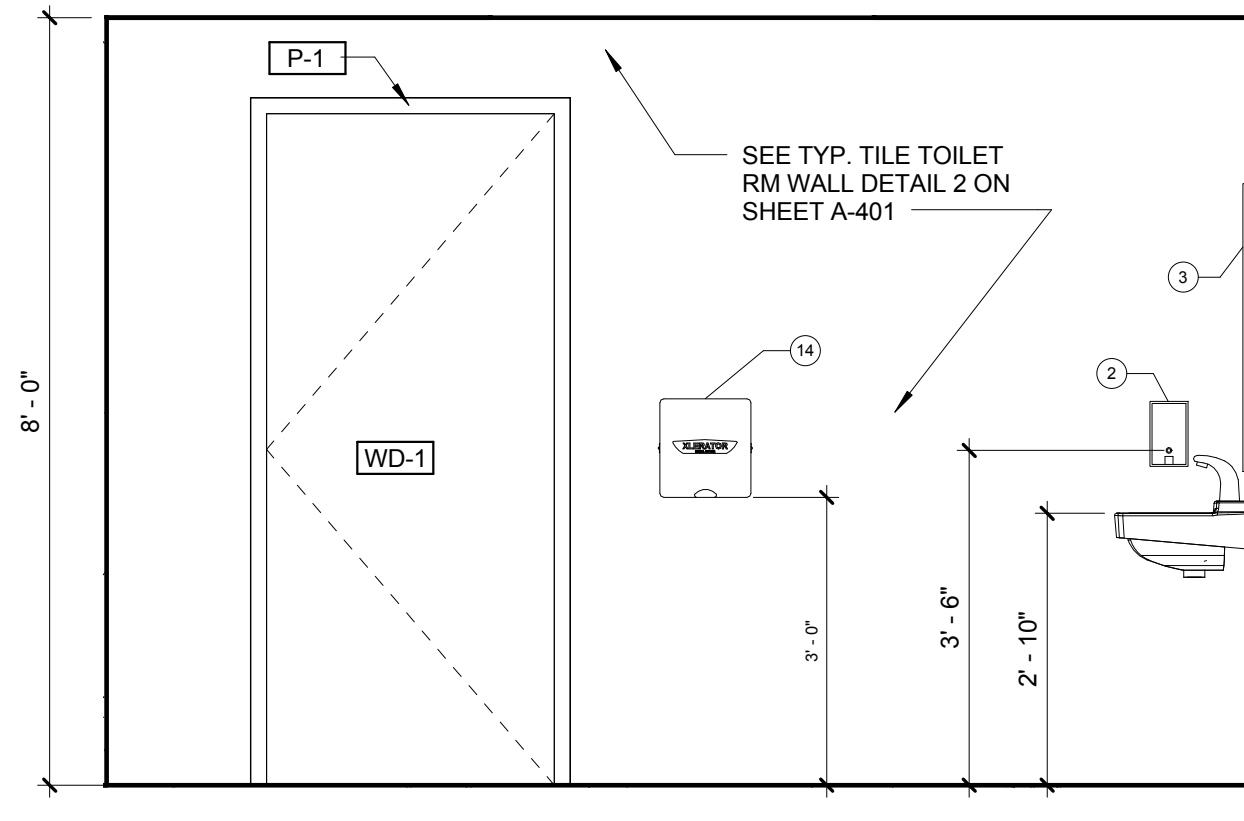
**BATH TRIAGE 02 INT.  
ELEVATION 2A**



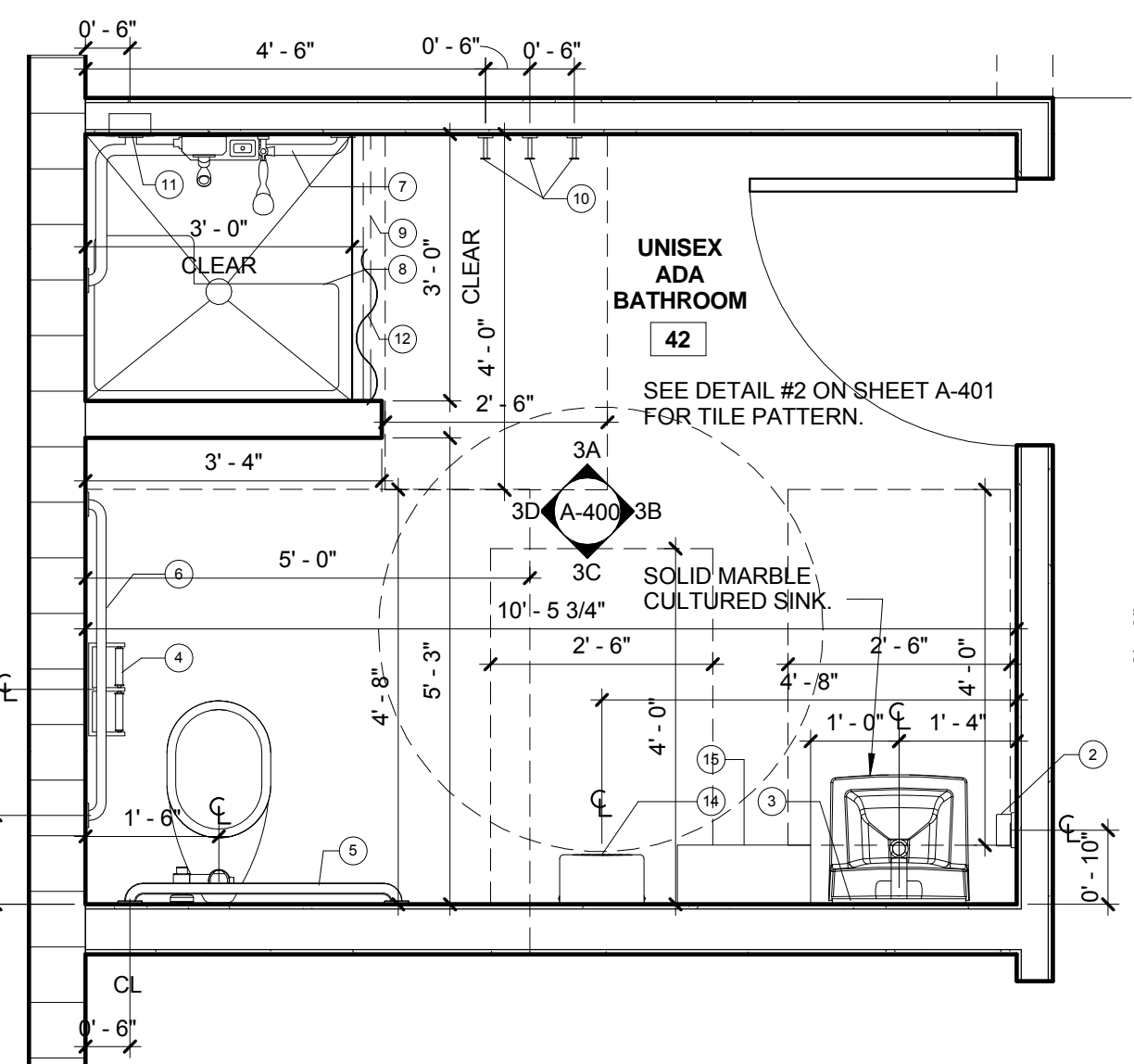
**BATH TRIAGE 02 INT.  
ELEVATION 2B**



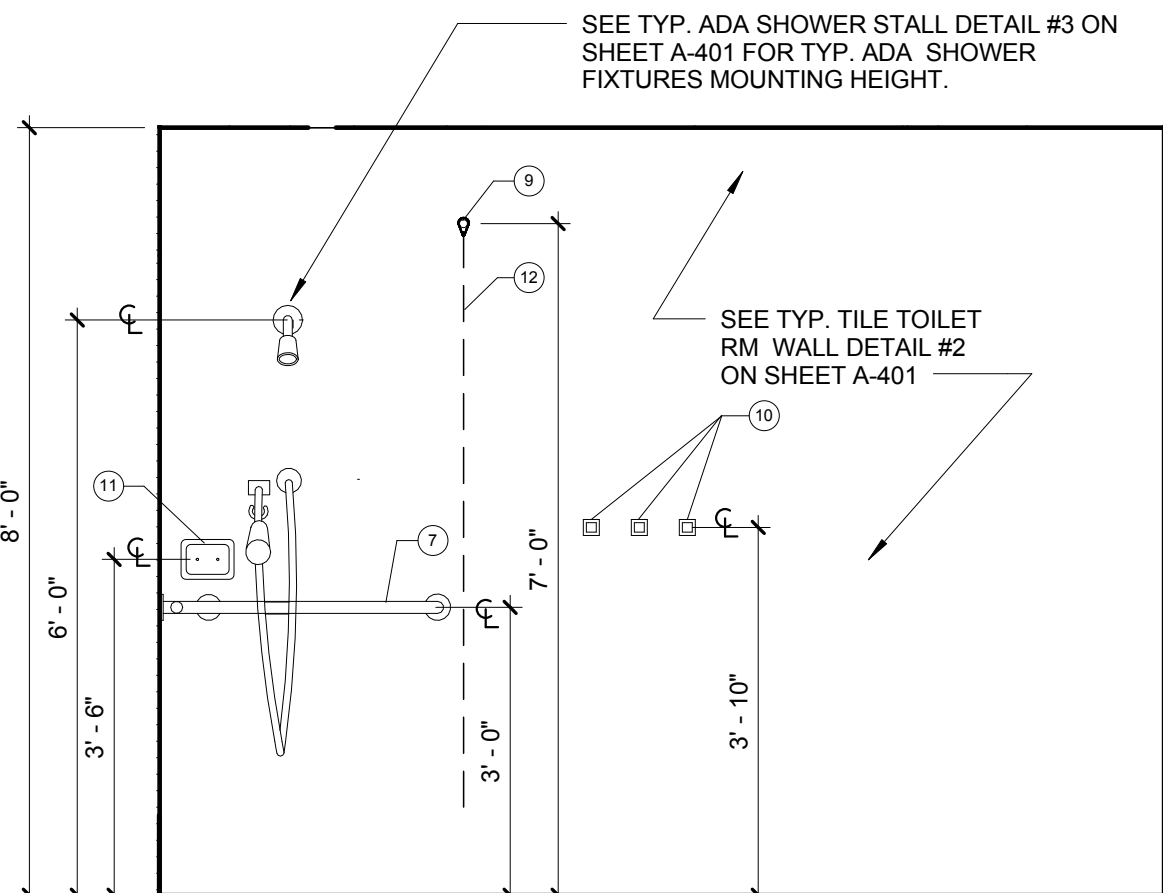
**BATH TRIAGE 02 INT.  
ELEVATION 2C**



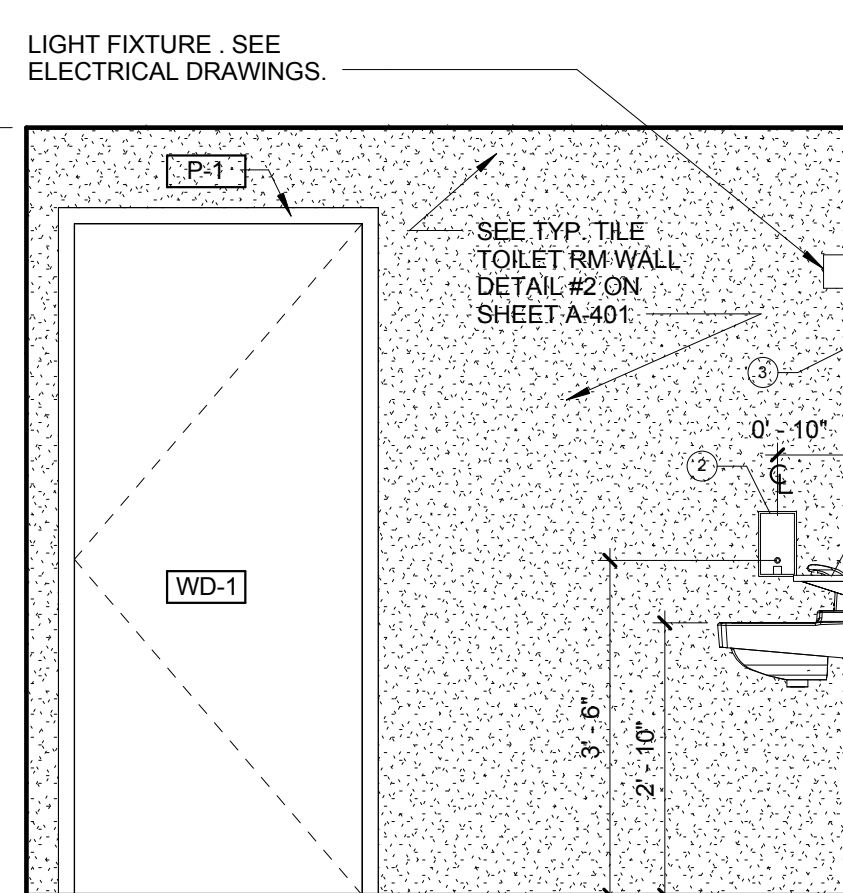
**BATH TRIAGE 02 INT.  
ELEVATION 2D**



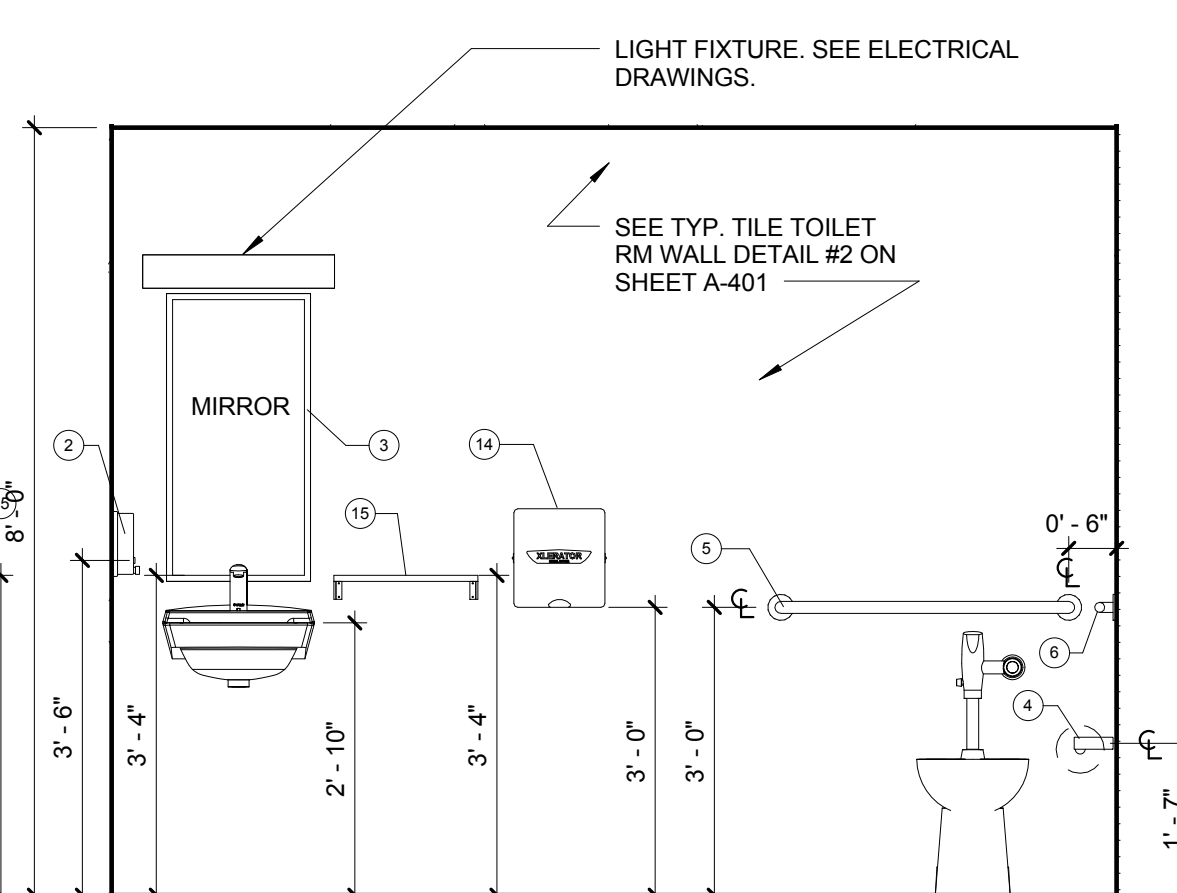
**UNISEX ADA BATHROOM 42  
ENLARGED PLAN**



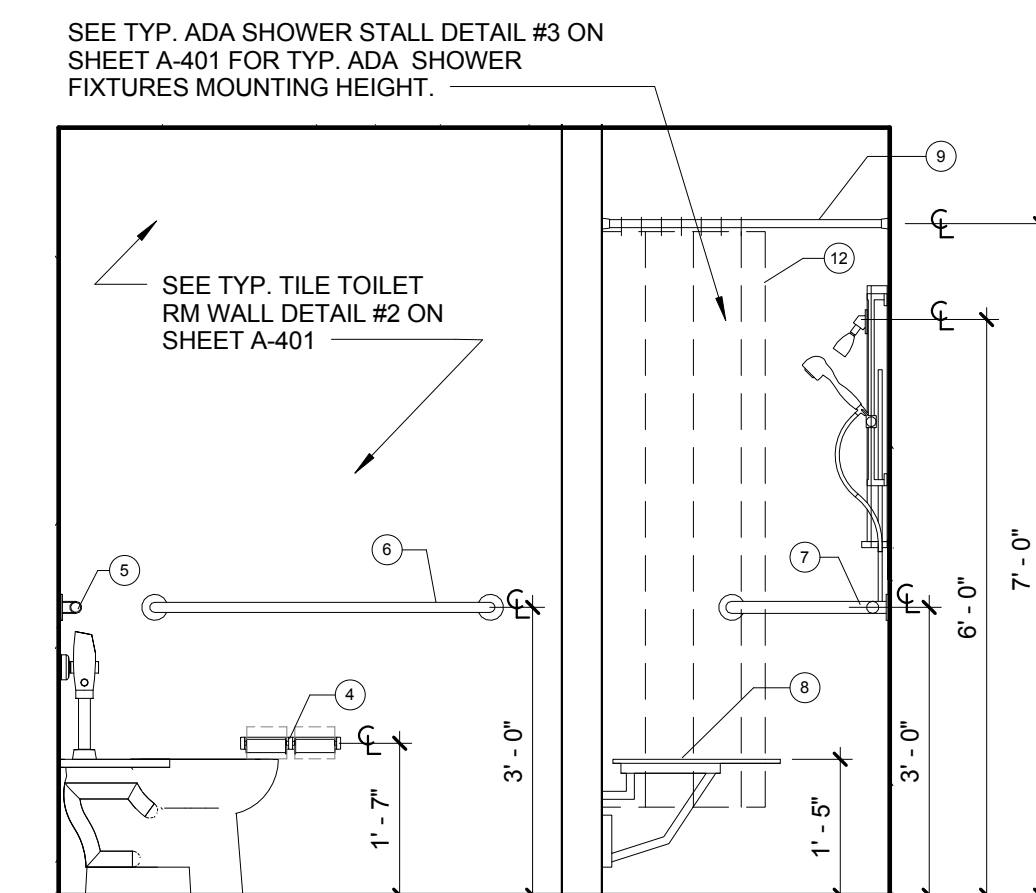
**UNISEX ADA BATHROOM 42  
INT. ELEVATION 3A**



**UNISEX BATHROOM 42 INT.  
ELEVATION 3B**



**UNISEX BATHROOM 42 INT.  
ELEVATION 3C**



**UNISEX BATHROOM 42 INT.  
ELEVATION 3C**

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

**FIRE STATION 50**

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 922-8223 FAX: (954) 327-0359  
AN 15200668 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Toilet Room Plans & Elevations

DRAWN: RJMG

CHECKED: Checker

DATE: 07-25-2014

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

PROJECT NO. 12200

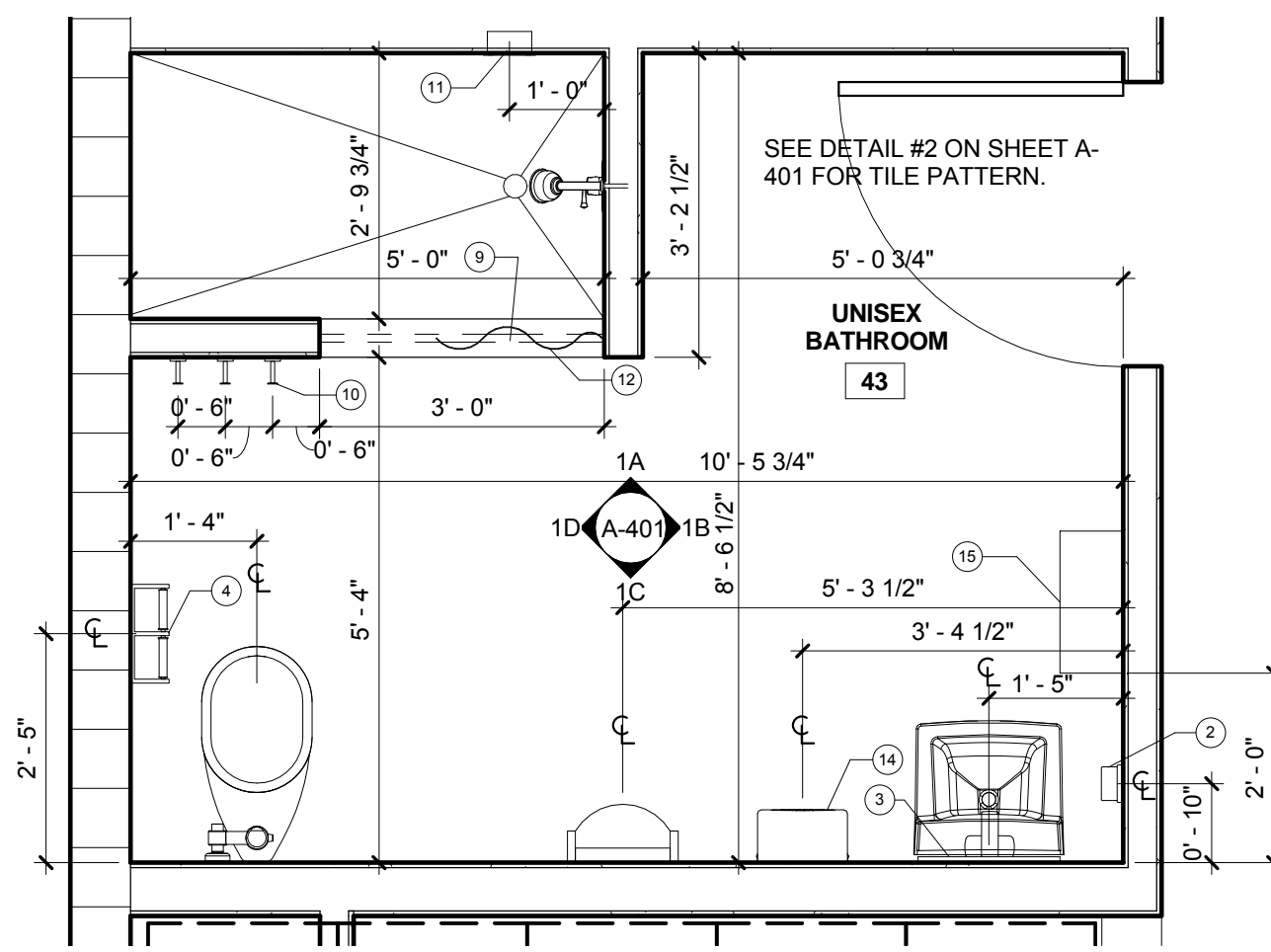
SHEET:

**A-400**

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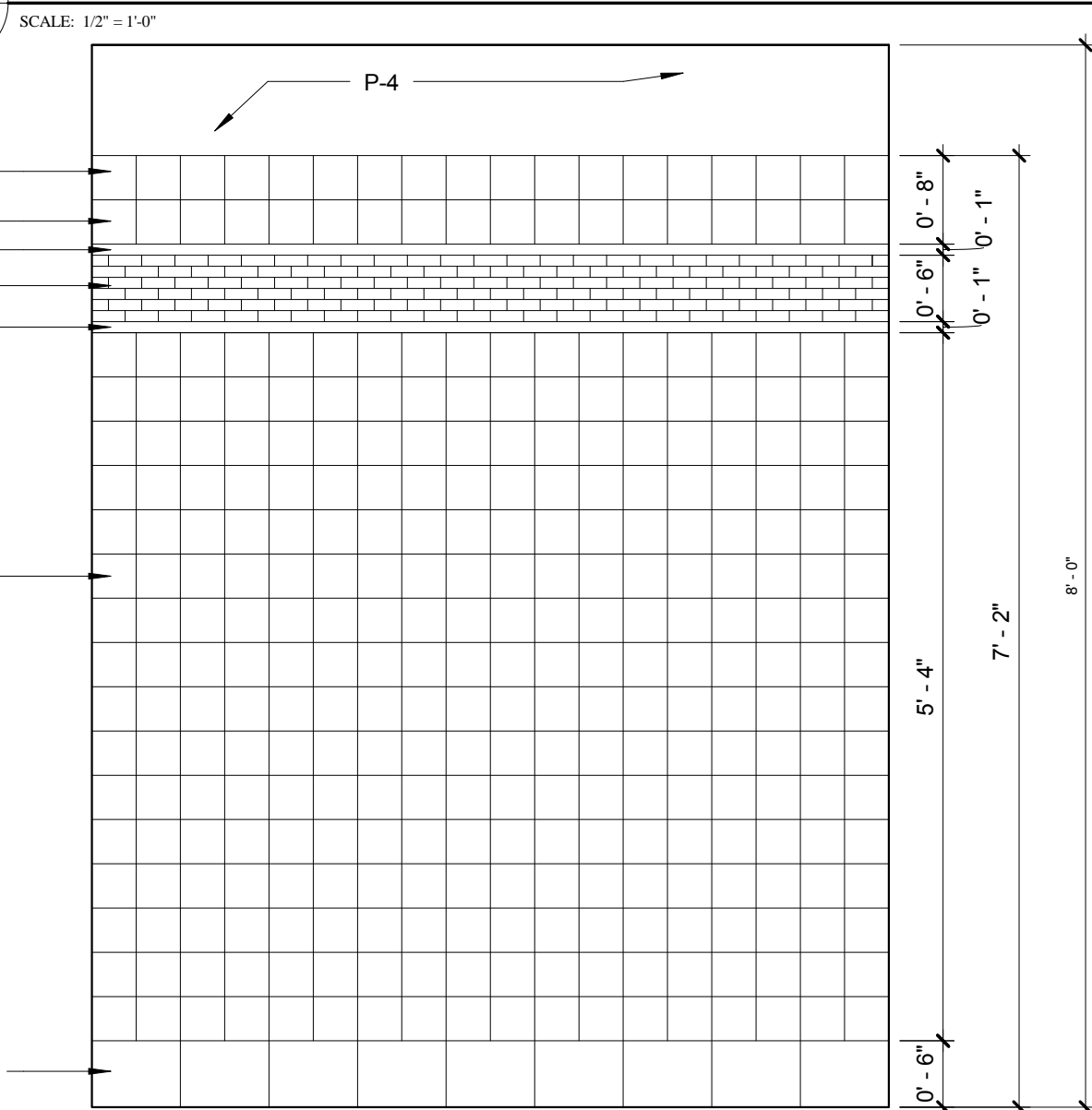
NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014
1	ADDENDUM #1	09-04-14

CONSULTANT:



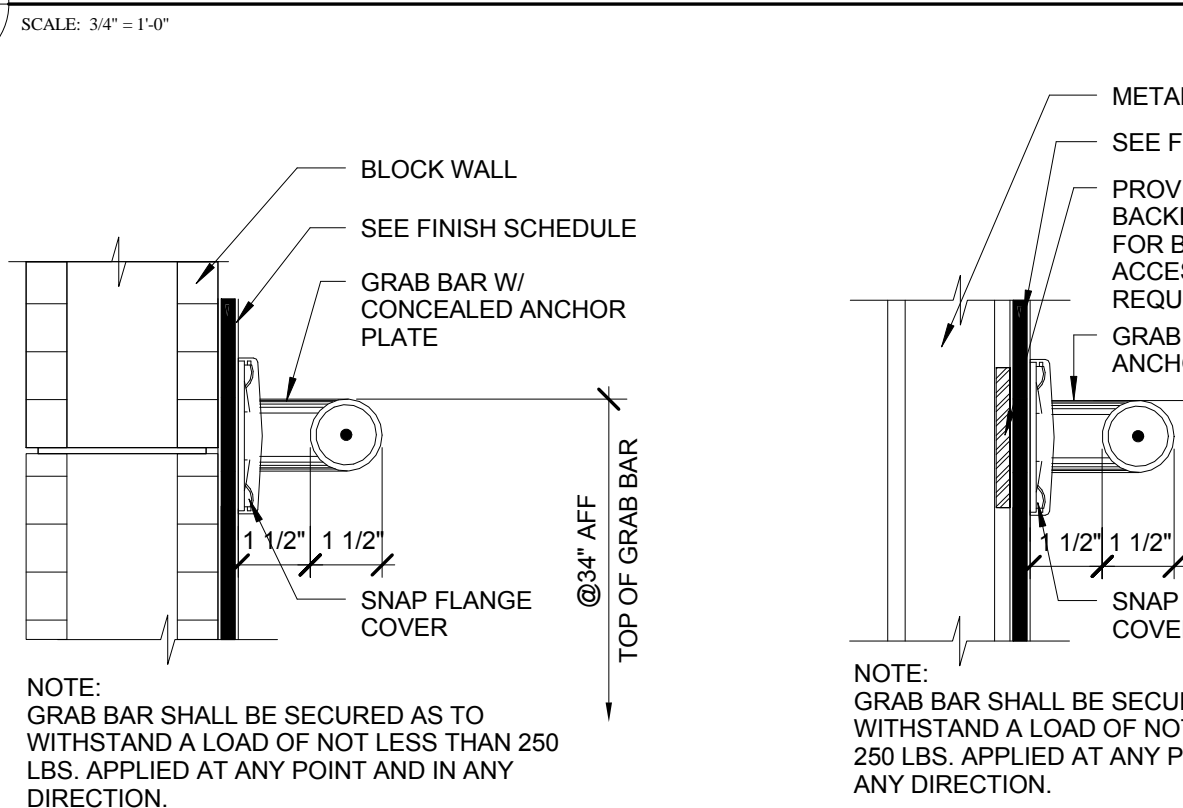
TYP. UNISEX BATHROOM 43 & 44 ENLARGED PLAN

1  
A-401



TYP. TOILET AND SHOWER RM WALL TILE LAYOUT / FLOOR TILE LAYOUT

2  
A-401

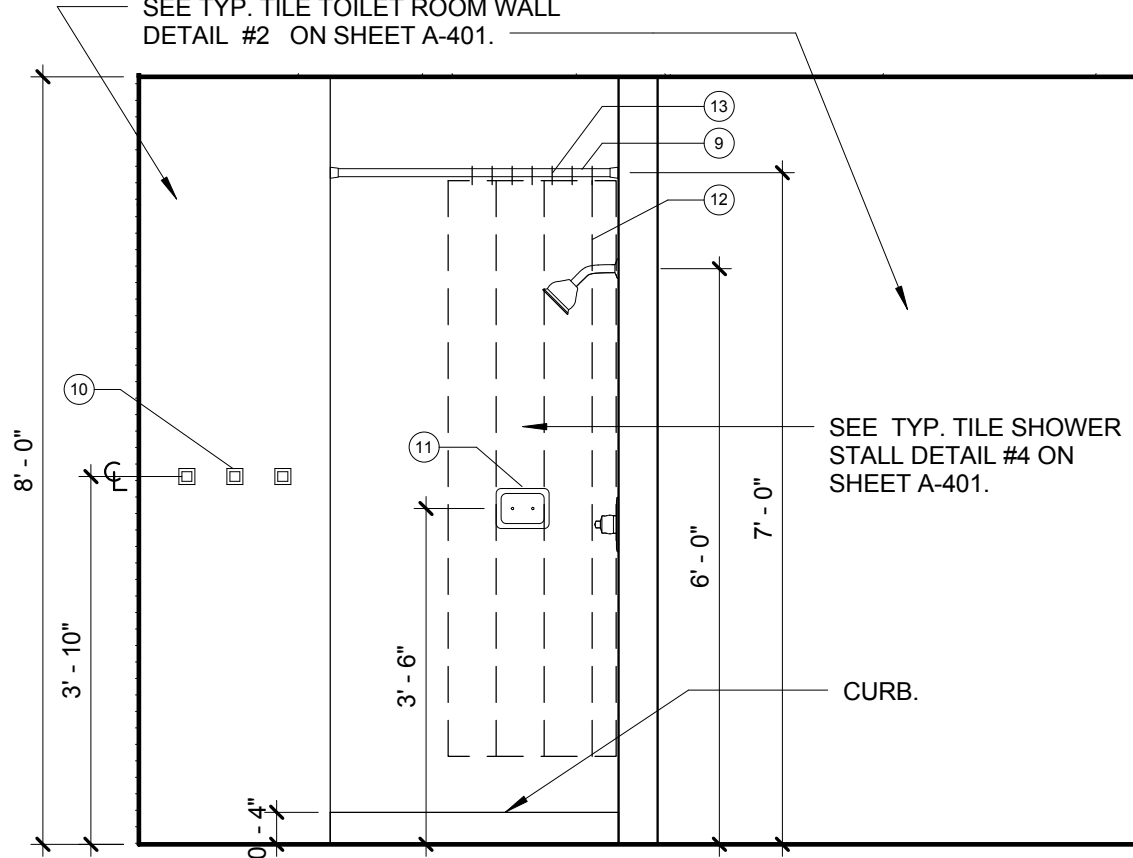
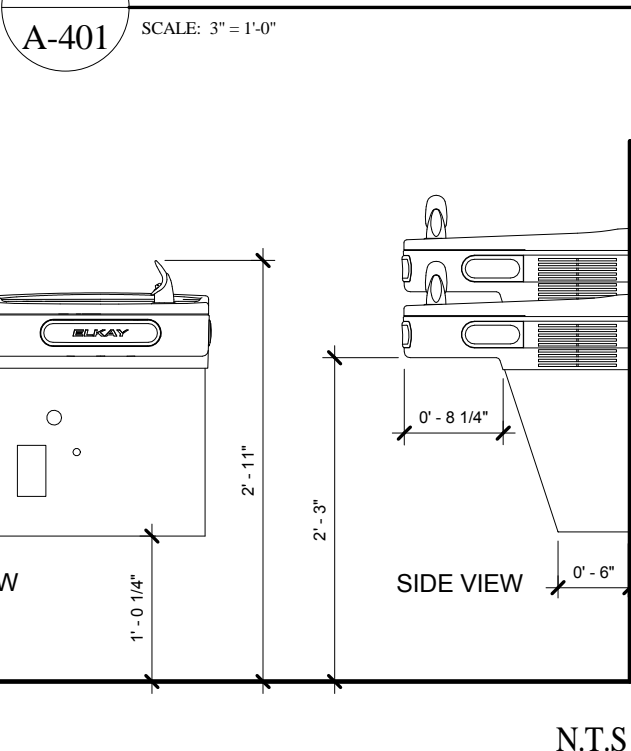


TYP. GRAB BAR AT BLOCK WALL DETAIL

5  
A-401

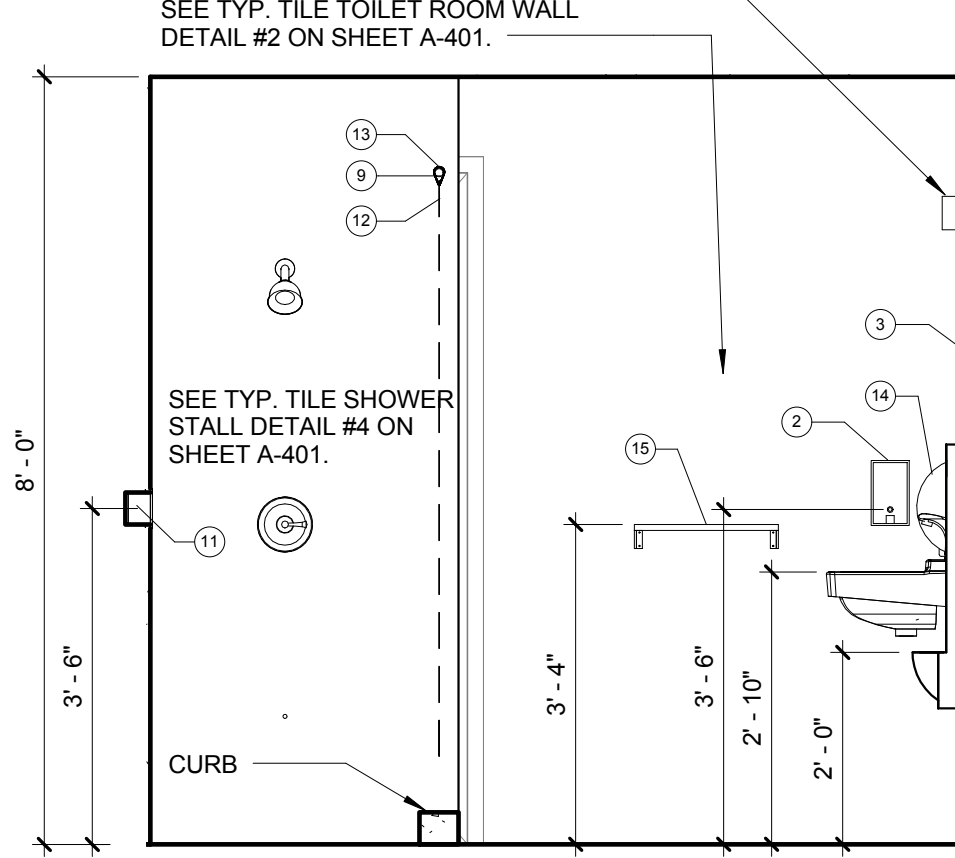
TYP. GRAB BAR AT STUD WALL DETAIL

6  
A-401



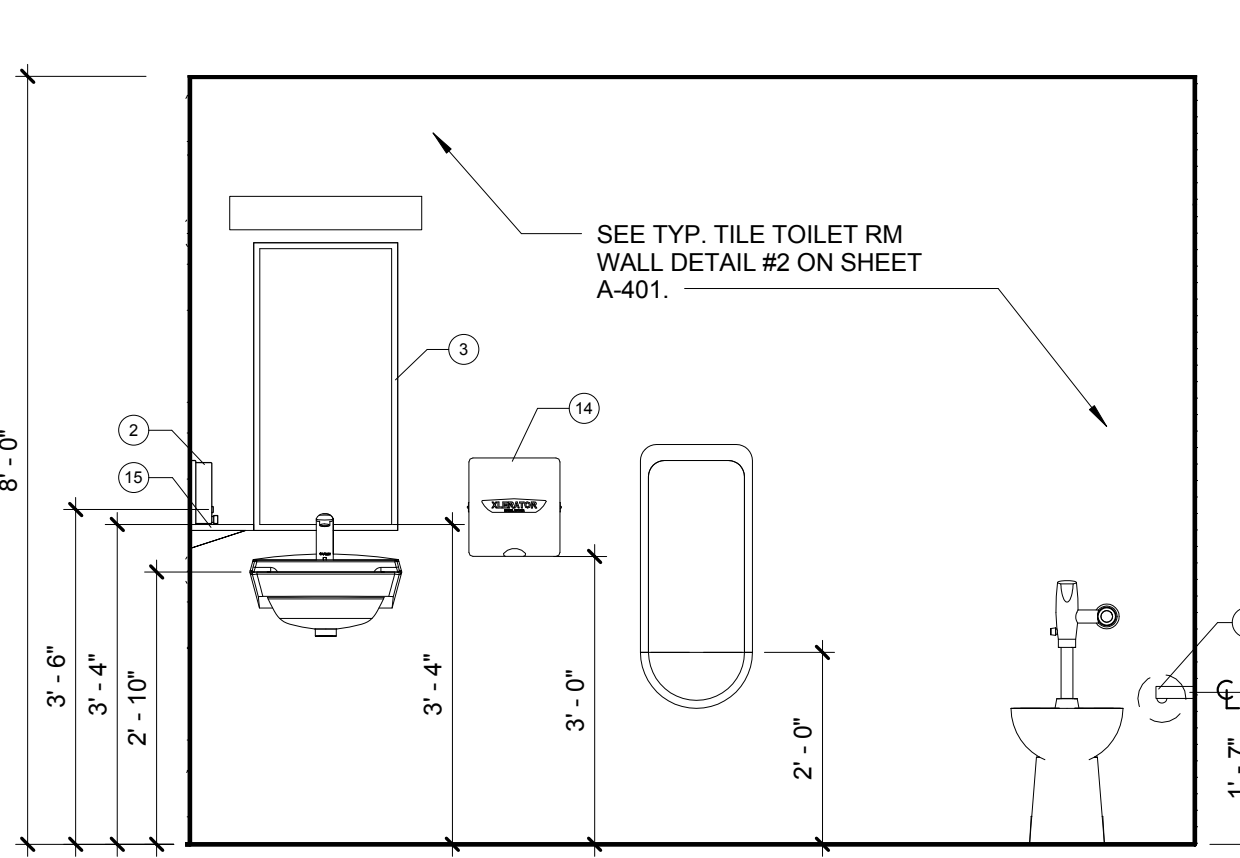
TYP. UNISEX BATHROOM 43 & 44 INT. ELEVATION 1A

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



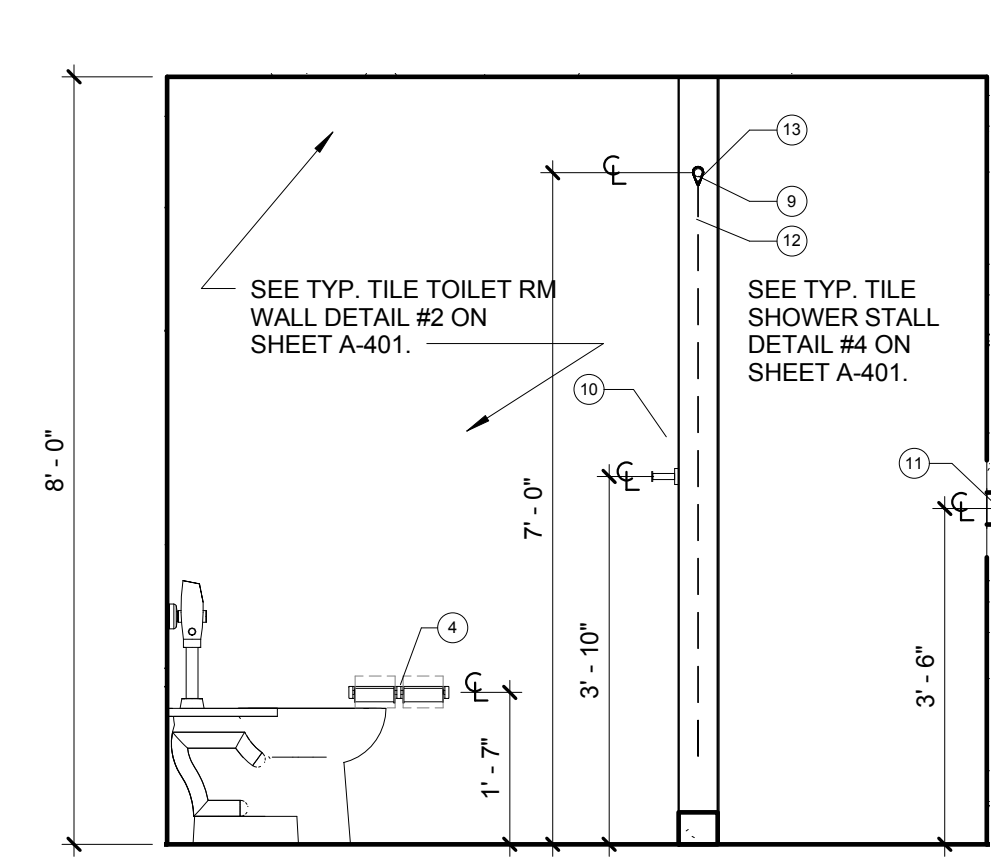
TYP. UNISEX BATHROOM 43 & 44 INT. ELEVATIONS 1B

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



TYP. UNISEX BATHROOM 43 & 44 INT. ELEVATION 1C

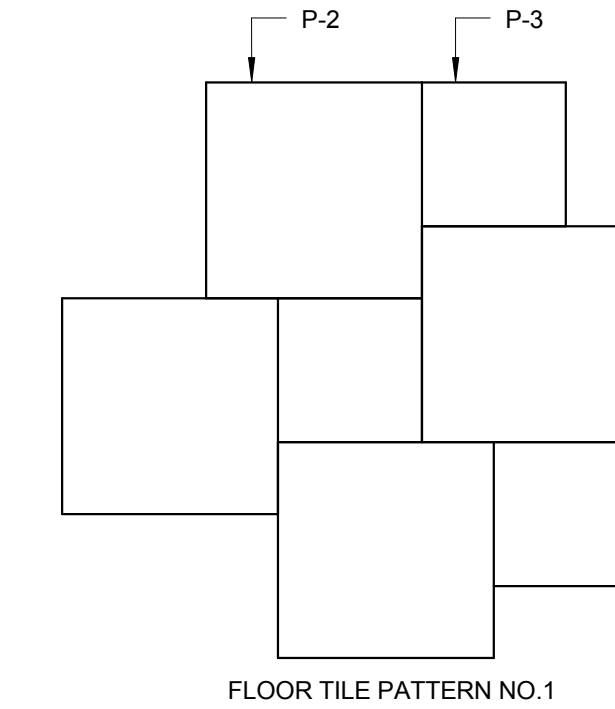
SCALE: 1/2" = 1'-0"



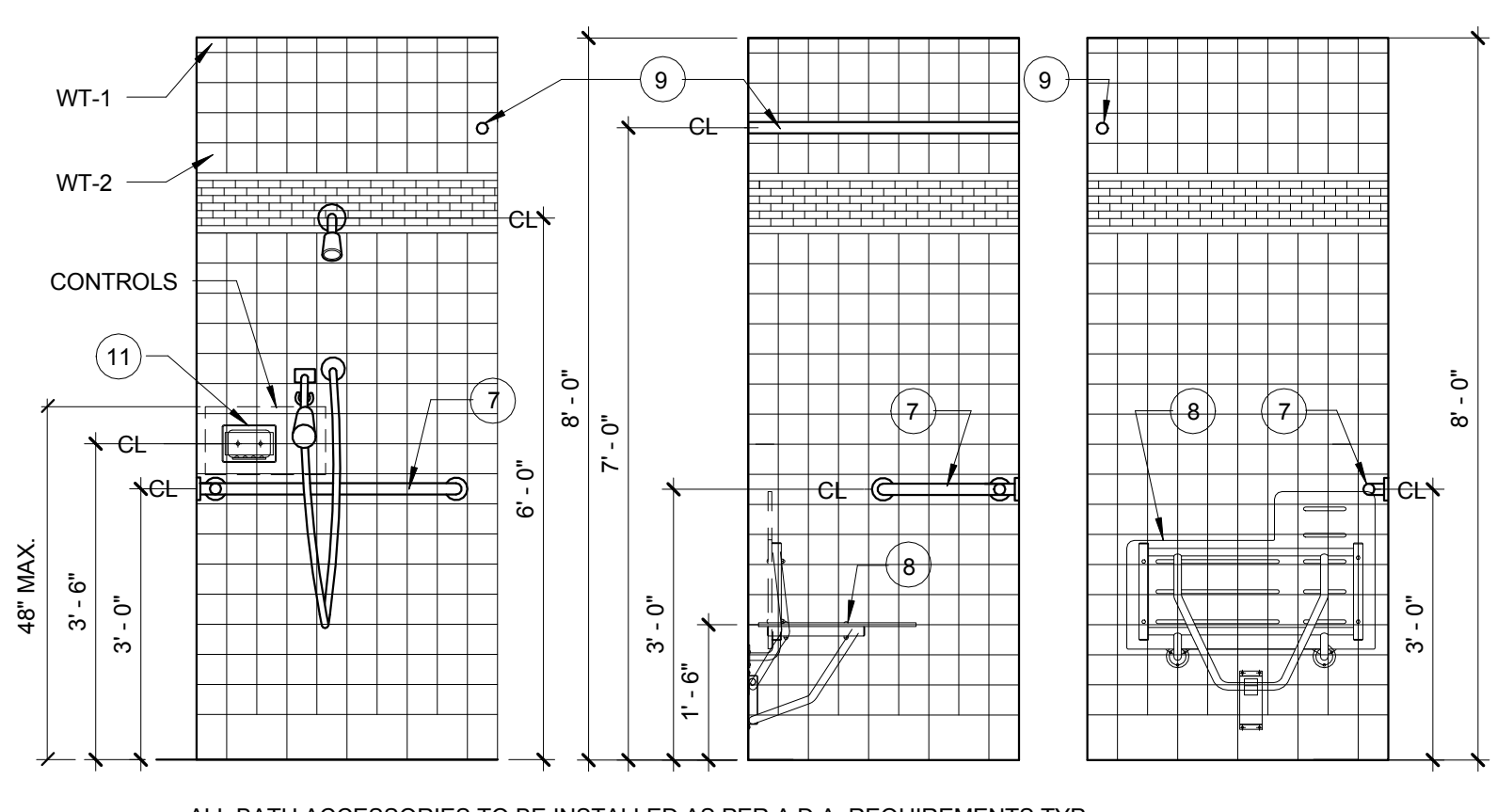
TYP. UNISEX BATHROOM 43 & 44 INT. ELEVATION 1D

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

SEE ROOM FINISH SCHEDULE ON SHEET A-700



FLOOR TILE PATTERN NO. 1

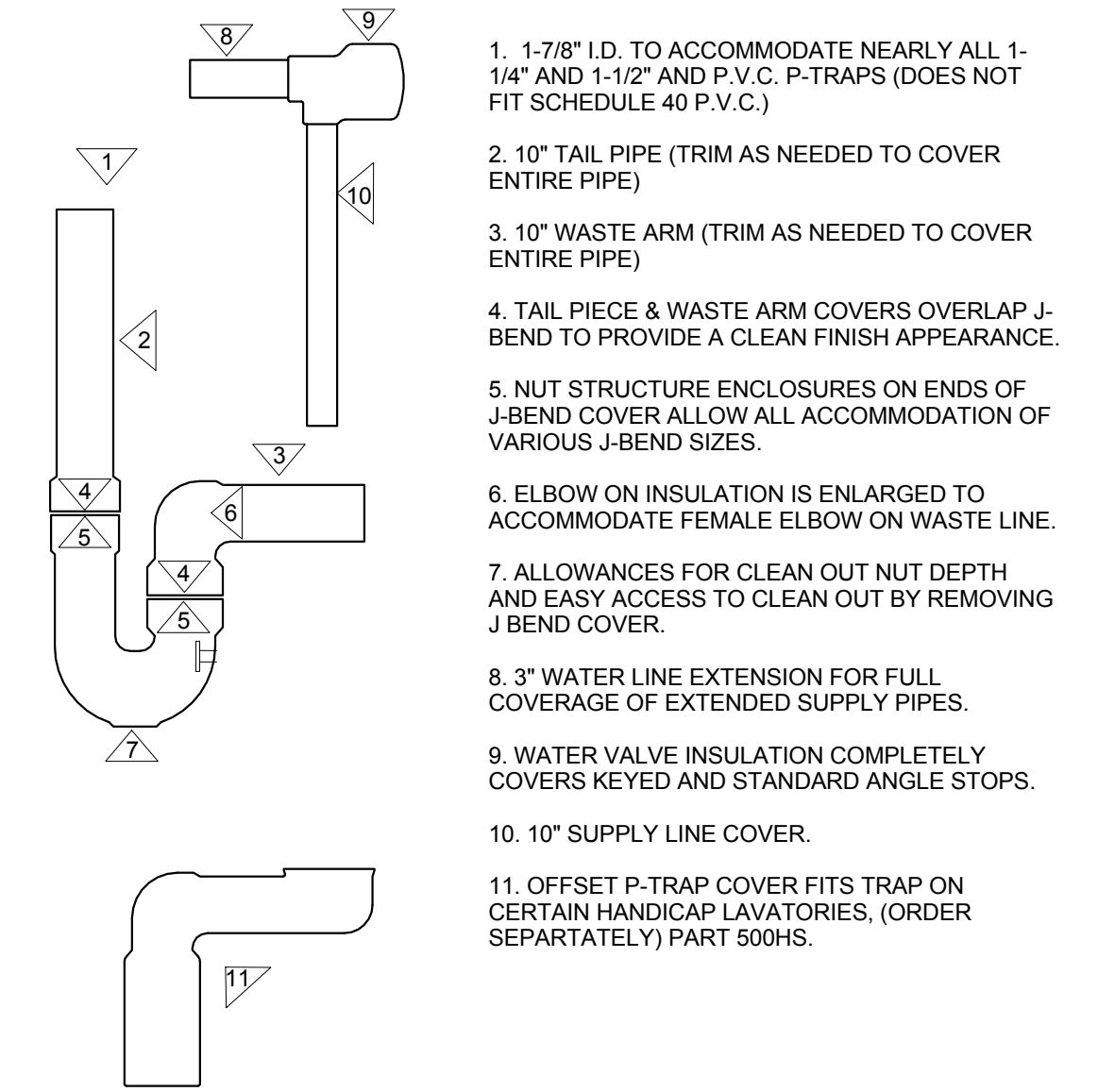


TYP. ADA SHOWER STALL DETAIL

3  
A-401

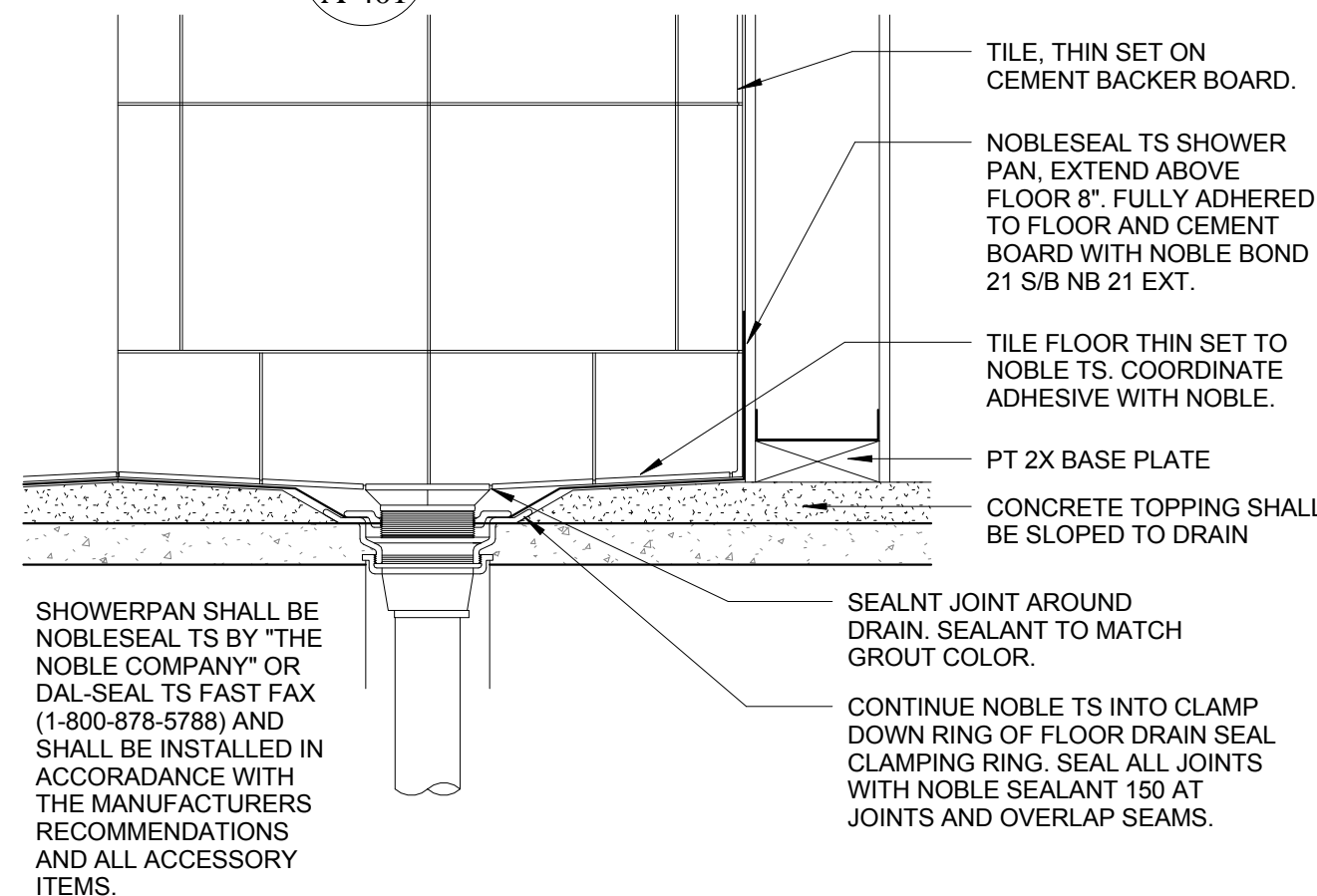
TYP. SHOWER STALL DETAIL

4  
A-401



PIPE INSULATION

N.T.S.



TYP. SHOWER PAN DETAIL

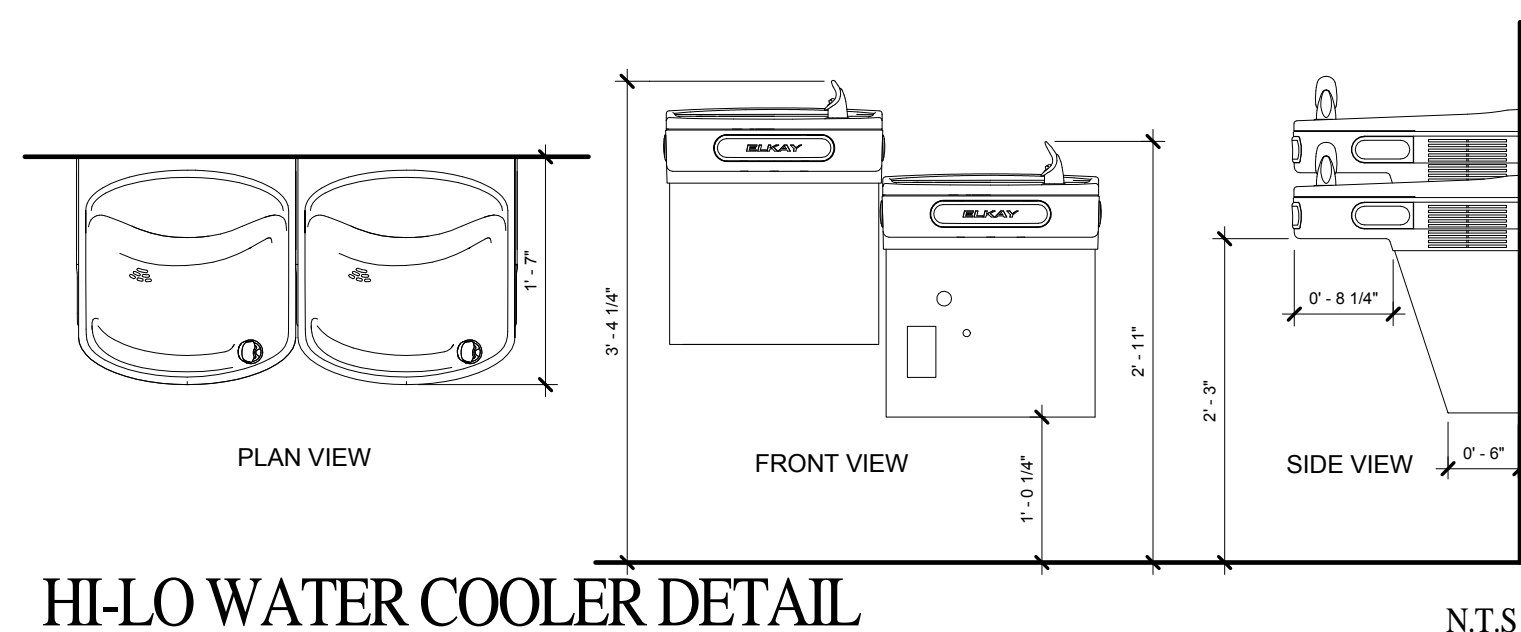
N.T.S.

SINK VANITY DETAIL

N.T.S.

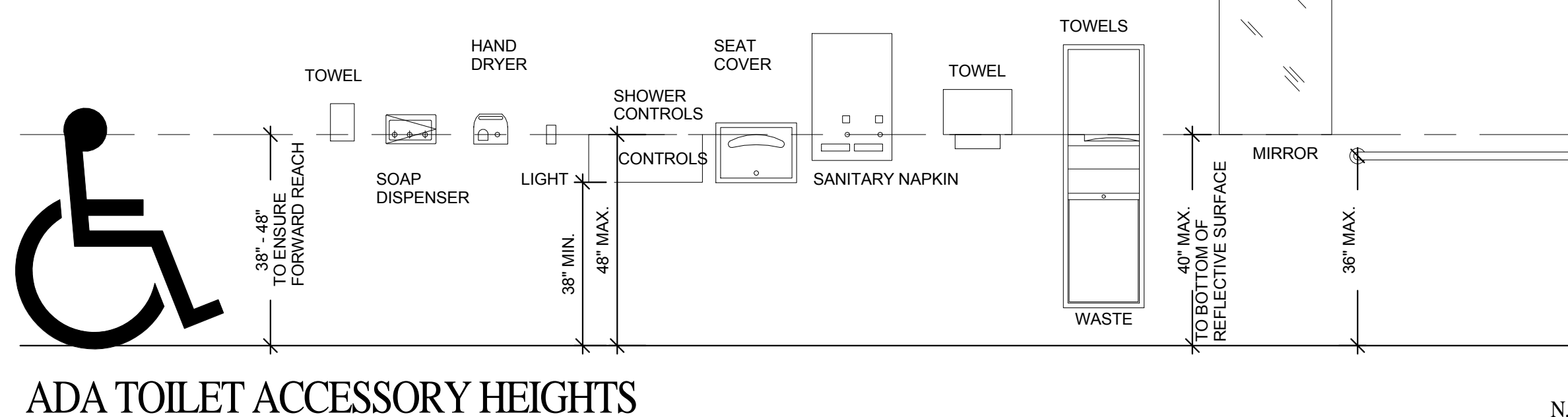
TOILET ROOM ACCESSORIES				
MARK	MANUFACTURER	MODEL #	DESCRIPTION	REMARKS
2	Bobrick Washroom Equipment, Inc.	B-2111	Surface Mounted Soap Dispenser	
3	Bobrick Washroom Equipment, Inc.	B-290	18"x36" Mirror Frame w/ S.S. Channel	
4	Toilet Room Accessory Provided by City	Provided by City	Toilet Tissue Dispenser	Provided by City and Installed by G.C.
5	Bobrick Washroom Equipment, Inc.	B-5806.99 x36	Concealed Mounting w/ Snap Flange Grab Bar	Satin Finish w/ Peened Gripping Surface
6	Bobrick Washroom Equipment, Inc.	B-5806.99x42	Concealed Mounting w/ Snap Flange Grab Bar	Satin Finish w/ Peened Gripping Surface
7	Bobrick Washroom Equipment, Inc.	B-6861.99	Two Wall Shower Grab Bar	Satin Finish w/ Peened Gripping Surface
8	Bobrick Washroom Equipment, Inc.	B-5181	Reversible Folding Shower Seat	
9	Bobrick Washroom Equipment, Inc.	B-207	Extra Heavy Duty Shower Curtain Rod	
10	Bobrick Washroom Equipment, Inc.	B-6777	Surface Mounted Towel Pin	
11	Bobrick Washroom Equipment, Inc.	B-4380	Recessed Heavy Duty Soap Dish	
12	Bobrick Washroom Equipment, Inc.	B-204-2	Shower Curtain 42"	
13	Bobrick Washroom Equipment, Inc.	B-204-1	Shower Curtain Hook	All bathrooms.
14	Excel Dryer, Inc.	XL-SB	XLERATOR Hand Dryer	
15	Bobrick Washroom Equipment, Inc.	B-298 X 18	Stainless Steel Shelf	

NOTE: ALL PRODUCTS AS SPECIFIED OR "APPROVED EQUAL". SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO ORDERING.



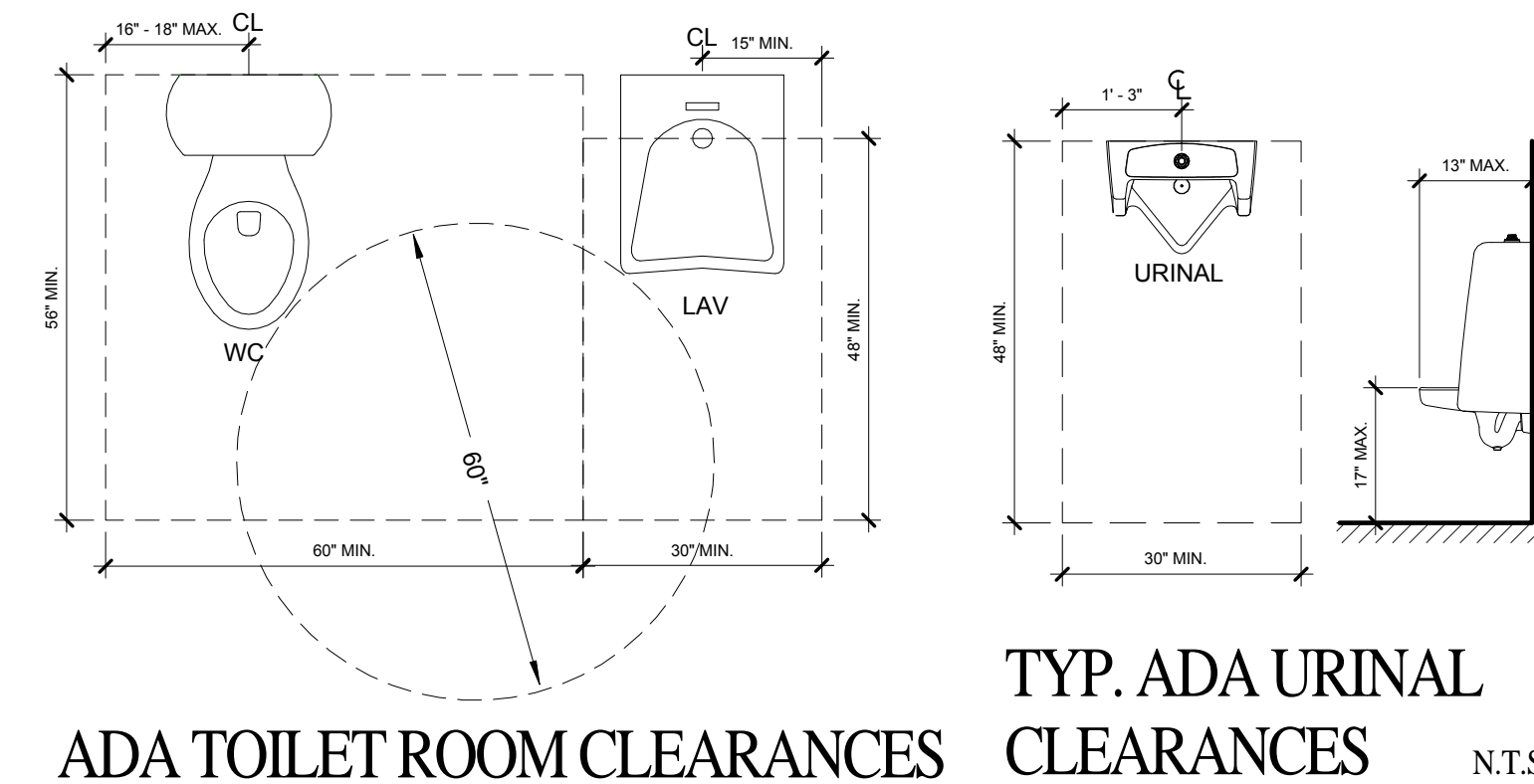
HI-LO WATER COOLER DETAIL

N.T.S.



ADA TOILET ACCESSORY HEIGHTS

N.T.S.



ADA TOILET ROOM CLEARANCES

N.T.S.

TYP. ADA URINAL CLEARANCES

N.T.S.

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0359  
AN 15200668 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Toilet Room Details & Notes

DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO: 1220D  
SHEET:

A-401

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
	ISSUE SET	
1	BLCG COMM #3	10-08-14

CONSULTANT:

**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
 4316 WESTBOWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 AN 12506686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**Stair #1 Enlarged Plan and Details**

DRAWN: RJMG

CHECKED: Checker

DATE: 07-25-2014

SCALE: As Indicated

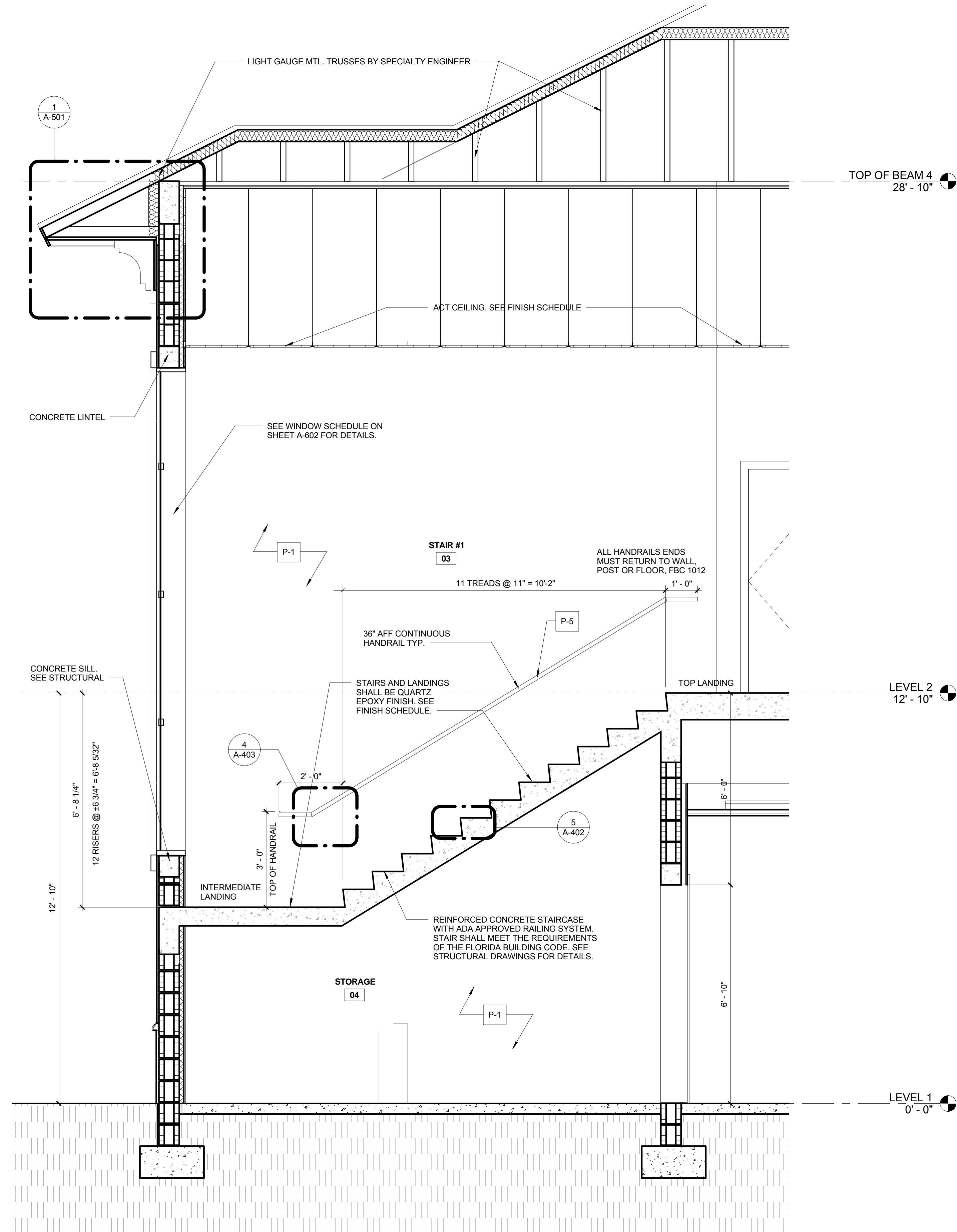
PROJECT NO. 1220D

SHEET:

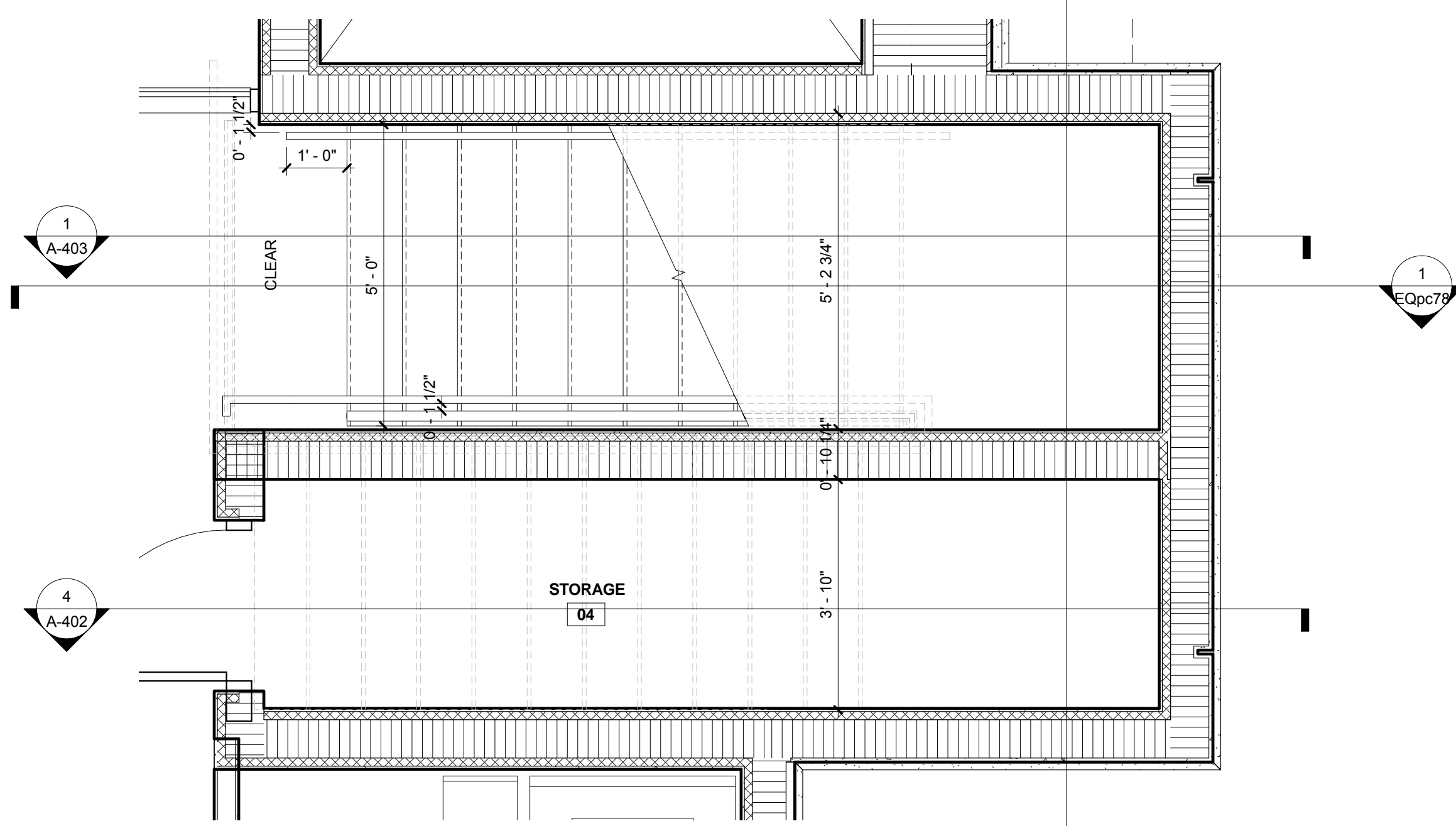
**A-402**

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO.  
 10395  
 STATE OF FLORIDA

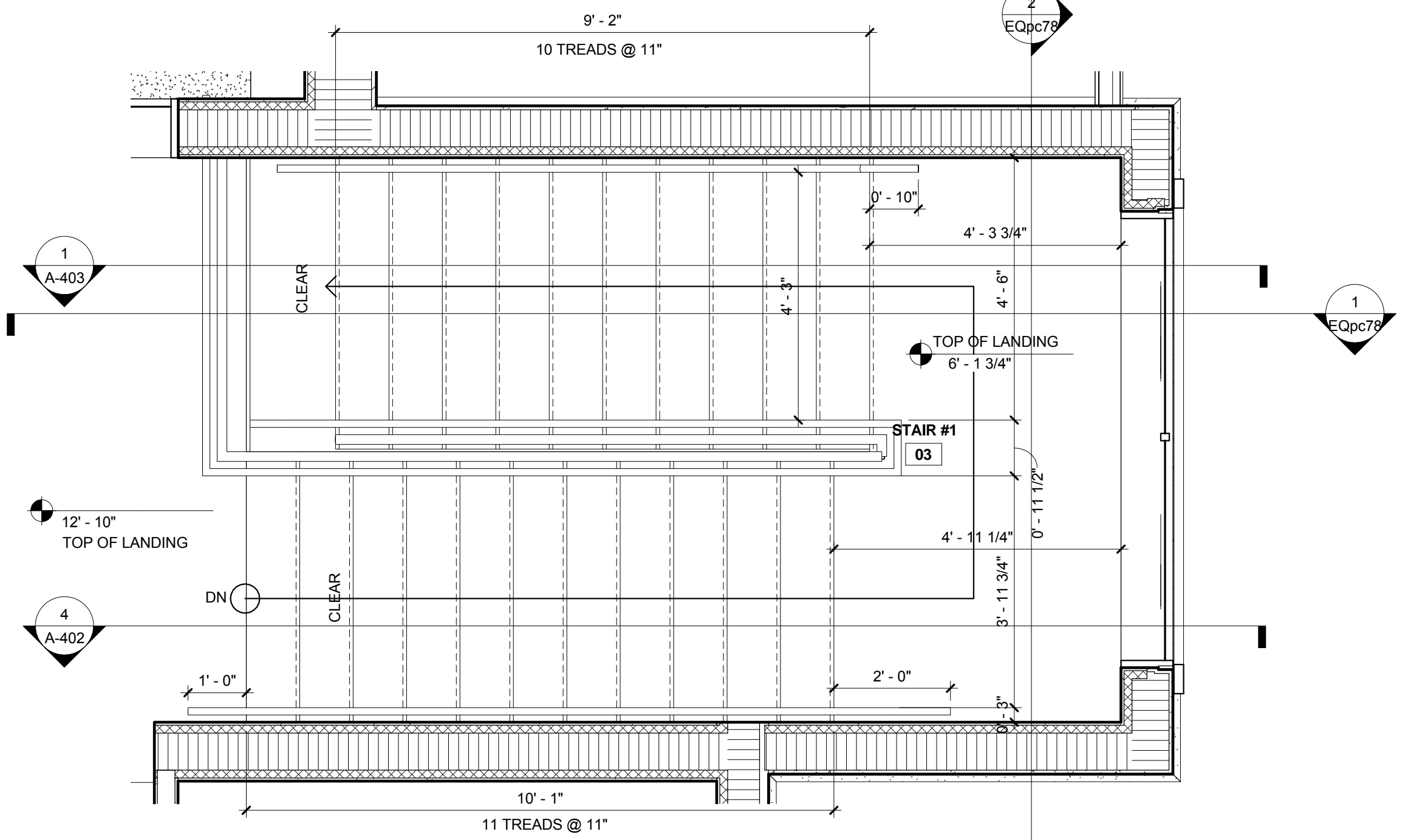
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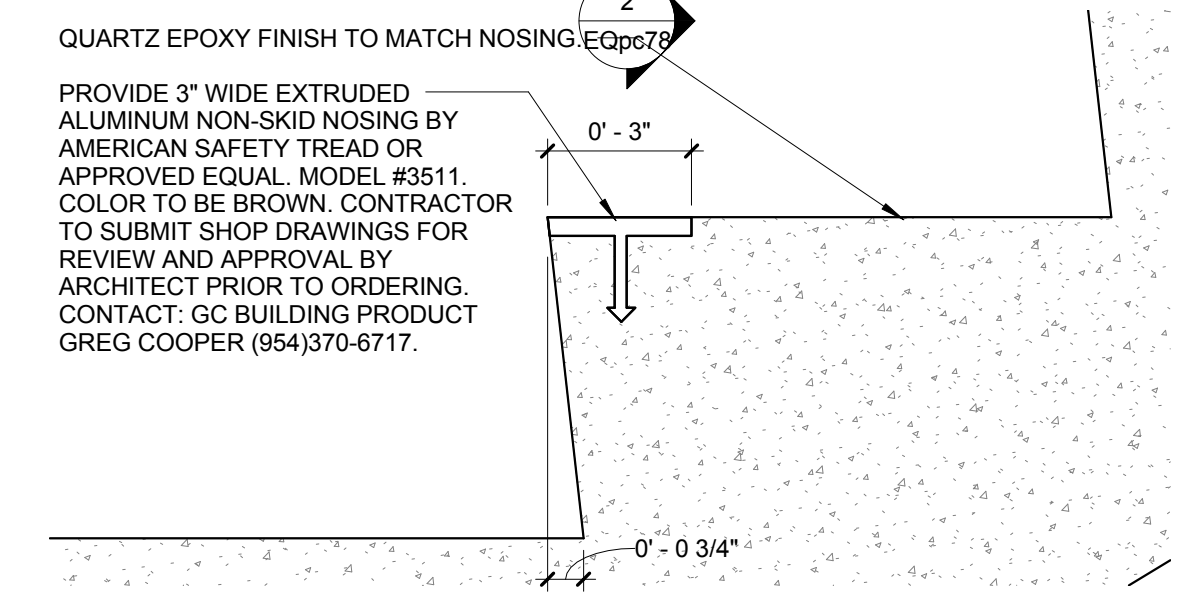
**4 Stair Section**  
 SCALE: 1/2" = 1'-0"



**1 Stair #1 Enlarged First Floor Plan**  
 SCALE: 1/2" = 1'-0"



**2 Stair #1 Enlarged Second Floor Plan**  
 SCALE: 1/2" = 1'-0"

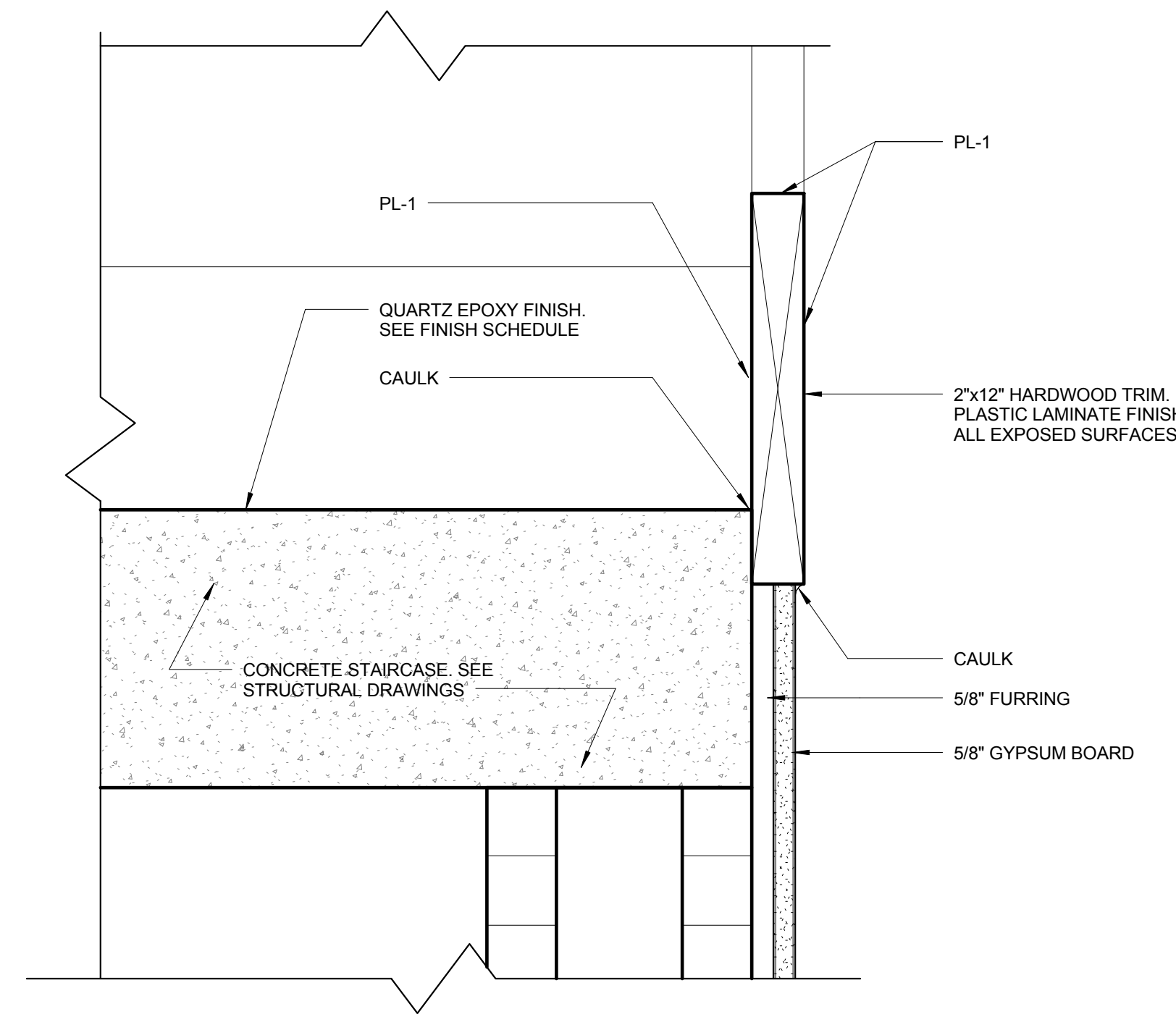


**5 TYPICAL TREAD DETAIL**  
 SCALE: 3" = 1'-0"

C:\Users\jzimmerman\OneDrive\Documents\REVISED\1220D\_FS\_S2\_Construction\Isak\_CENTRAL\_CPZ\1220D.dwg  
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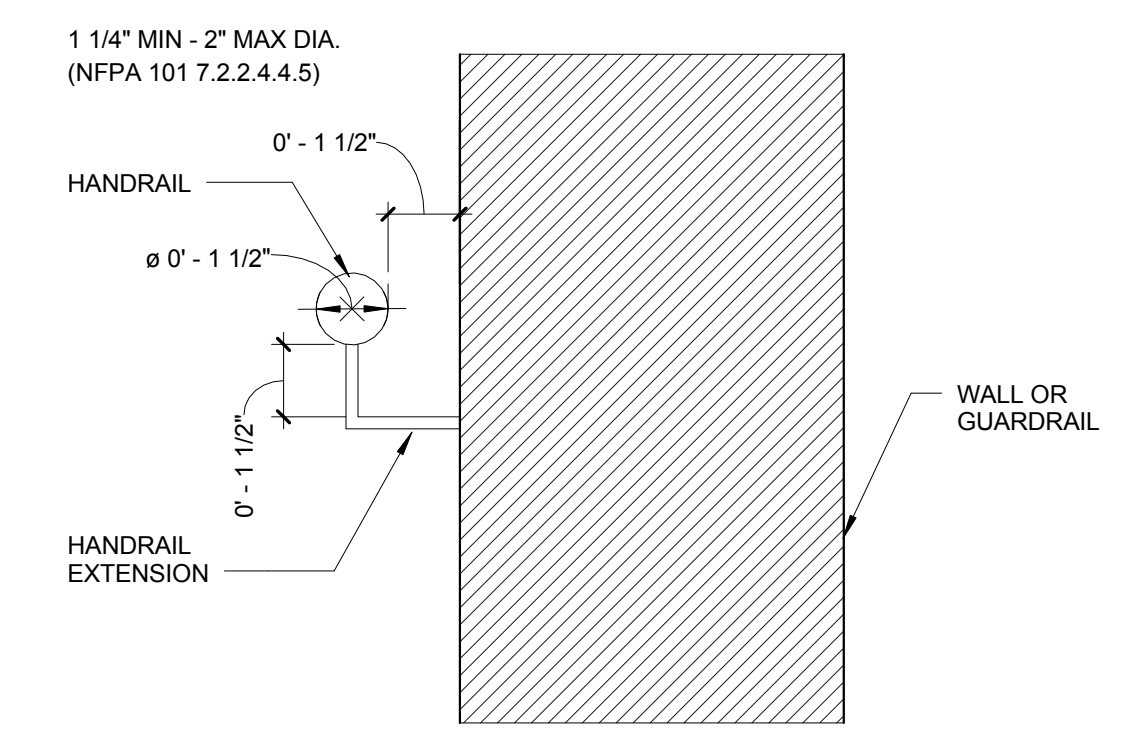
NO.	REVISION	DATE
	CONSTRUCTION	07-25-2014
	ISSUE SET	07-25-2014
1.	BLCG COMM #3	10-09-14

CONSULTANT:



3 STAIR EDGE TRIM DETAIL  
A-403 SCALE: 3\"/>

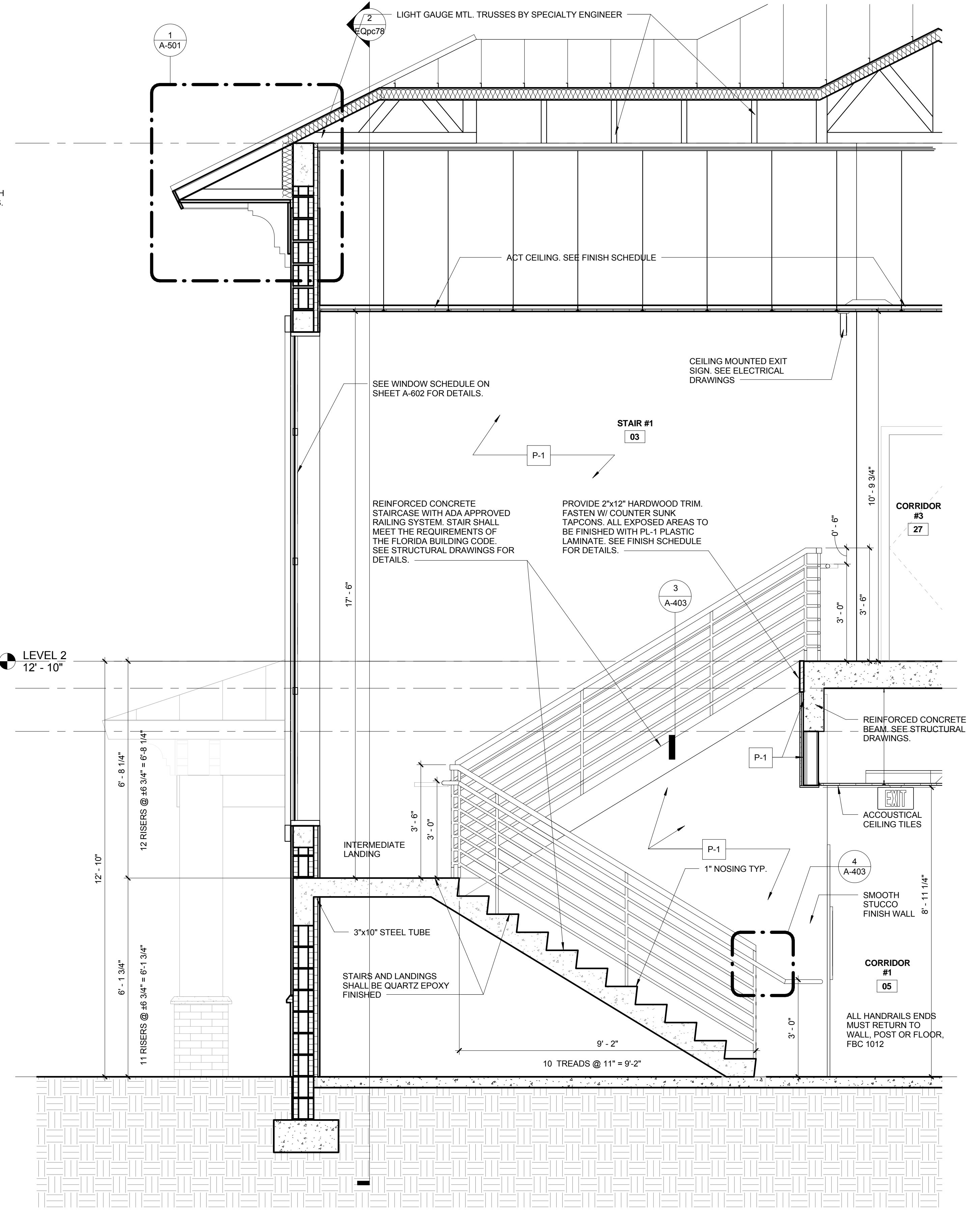
- STAIR #1 RAILING NOTES:**
1. PROVIDE PRE ENGINEERED CLEAR ANODIZED ALUMINUM RAILING.
  2. PROVIDE FULLY ENGINEERED SHOP DRAWINGS BY A FLORIDA LICENSED ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
  3. ALL RAILINGS SHALL BE IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE.
  4. ALL GRIP RAILS & SUPPORT POSTS SHALL BE 1 1/2\"/>



ALL HANDRAIL ENDS MUST RETURN TO WALL, POST OR FLOOR, FBC 1012

ALL HANDRAILS TO COMPLY WITH FBC 2010 ACCESSIBILITY, SECTION 505

4 TYP. HANDRAIL DETAIL  
A-403 SCALE: 3\"/>



1 Stair Section 21  
A-403 SCALE: 1/2\"/>

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBOWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8225 FAX: (954) 337-0359  
AN 12506686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Stair #1 Details

DRAWN: R/JMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

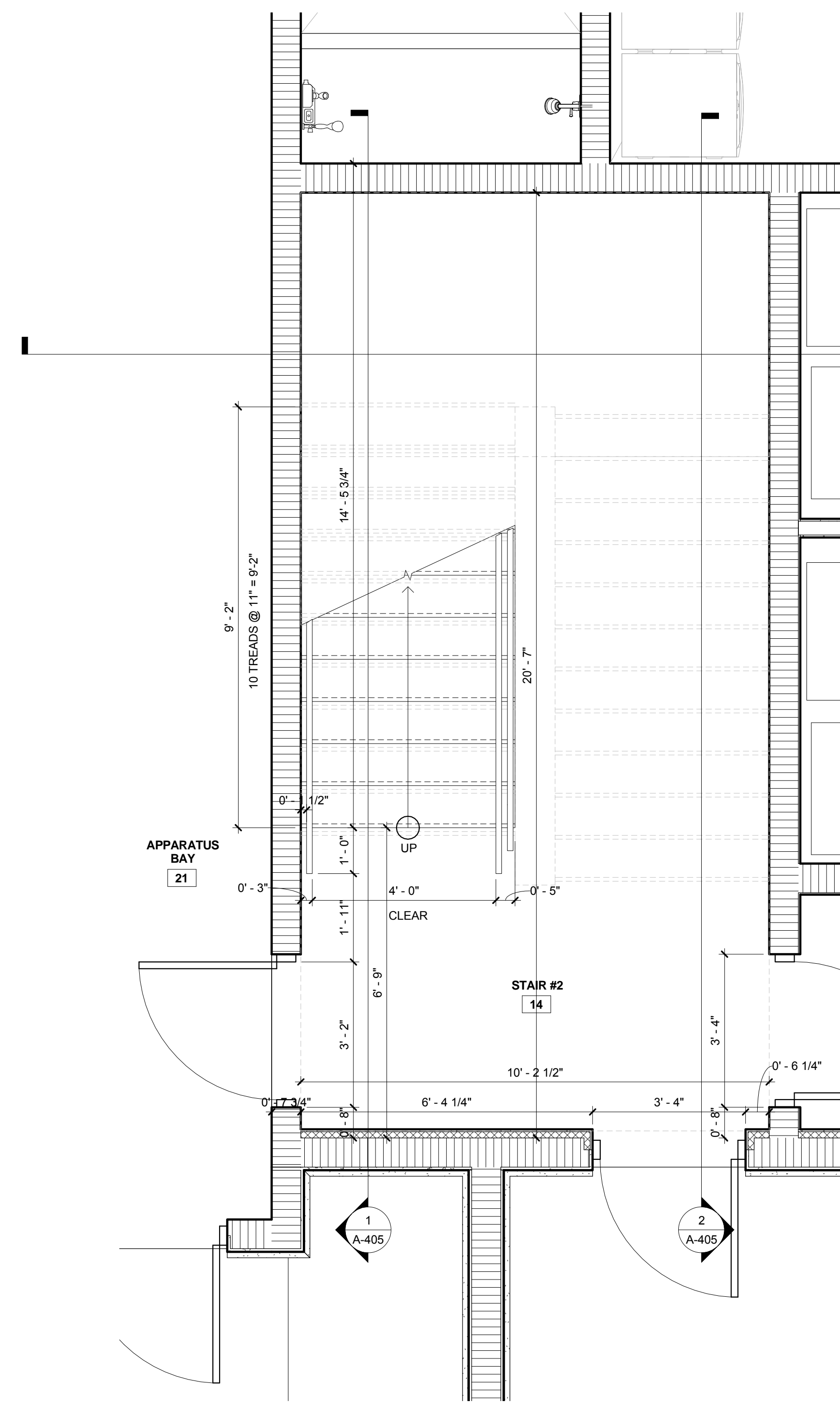
DATE:

A-403

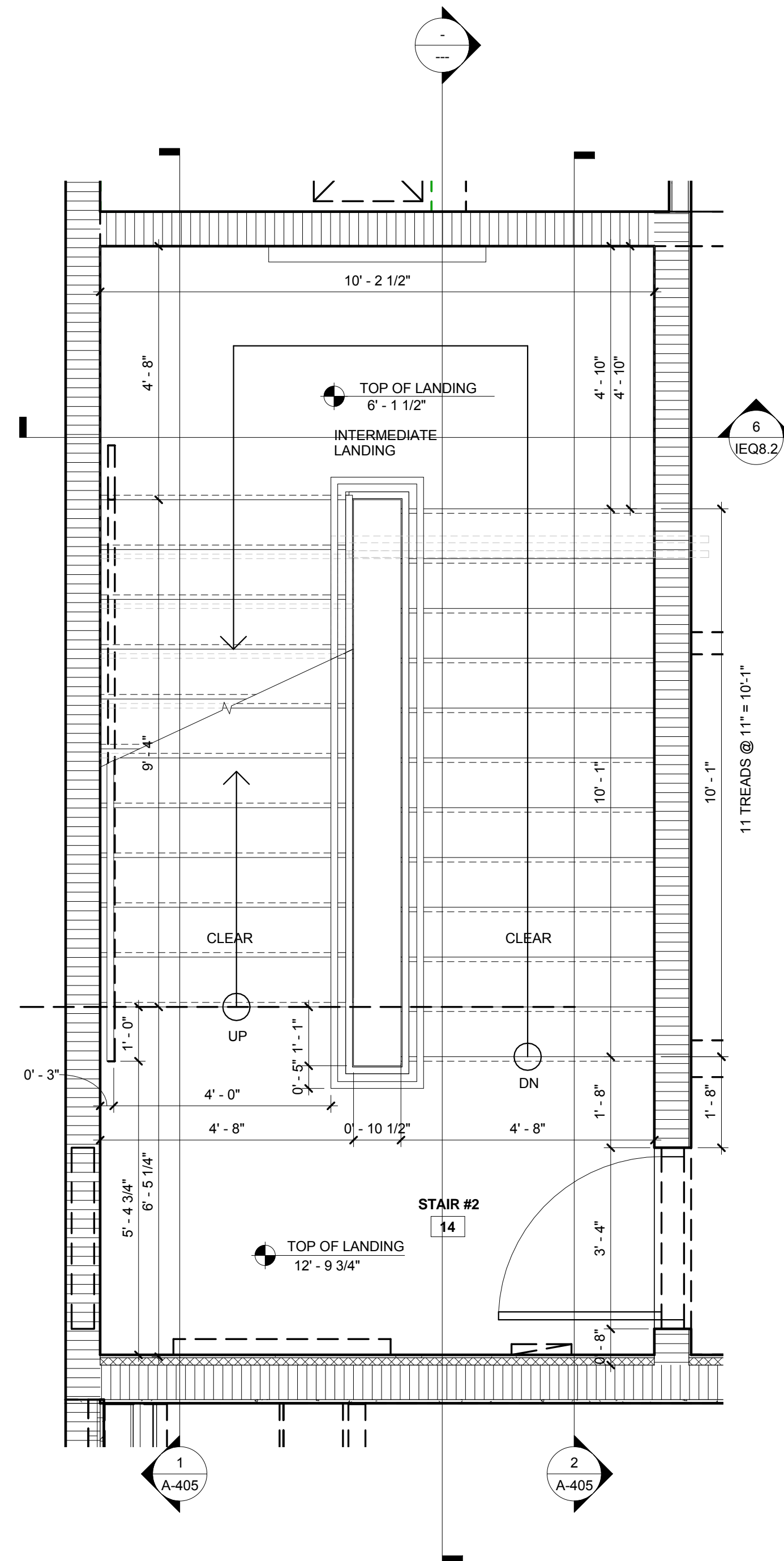
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11/6/2014 8:52:47 AM

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	07-25-2014
3	BLCG COMM #3	10-08-14

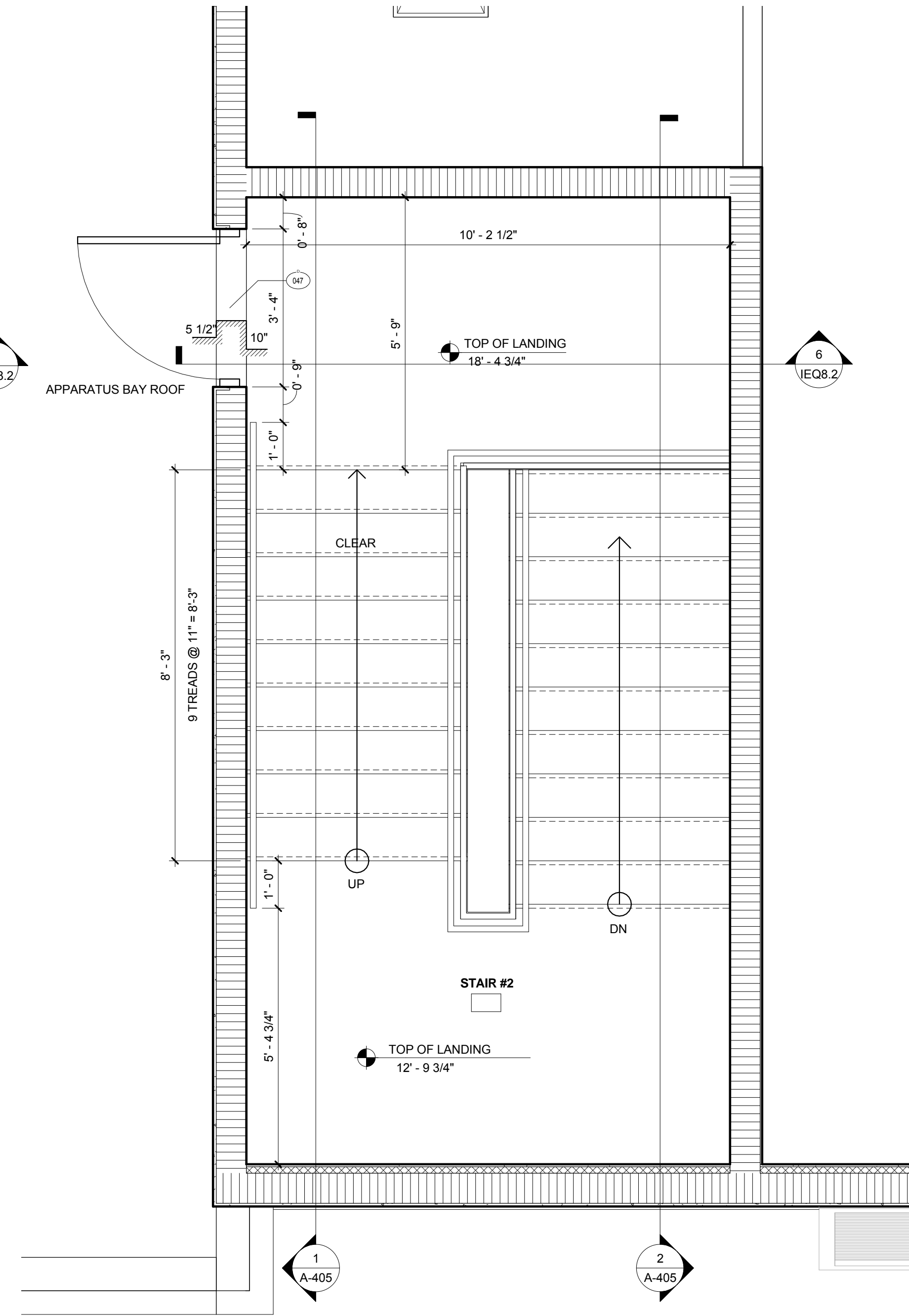
CONSULTANT:



1 Stair #2 Enlarged First Floor Plan  
A-404 SCALE: 1/2" = 1'-0"



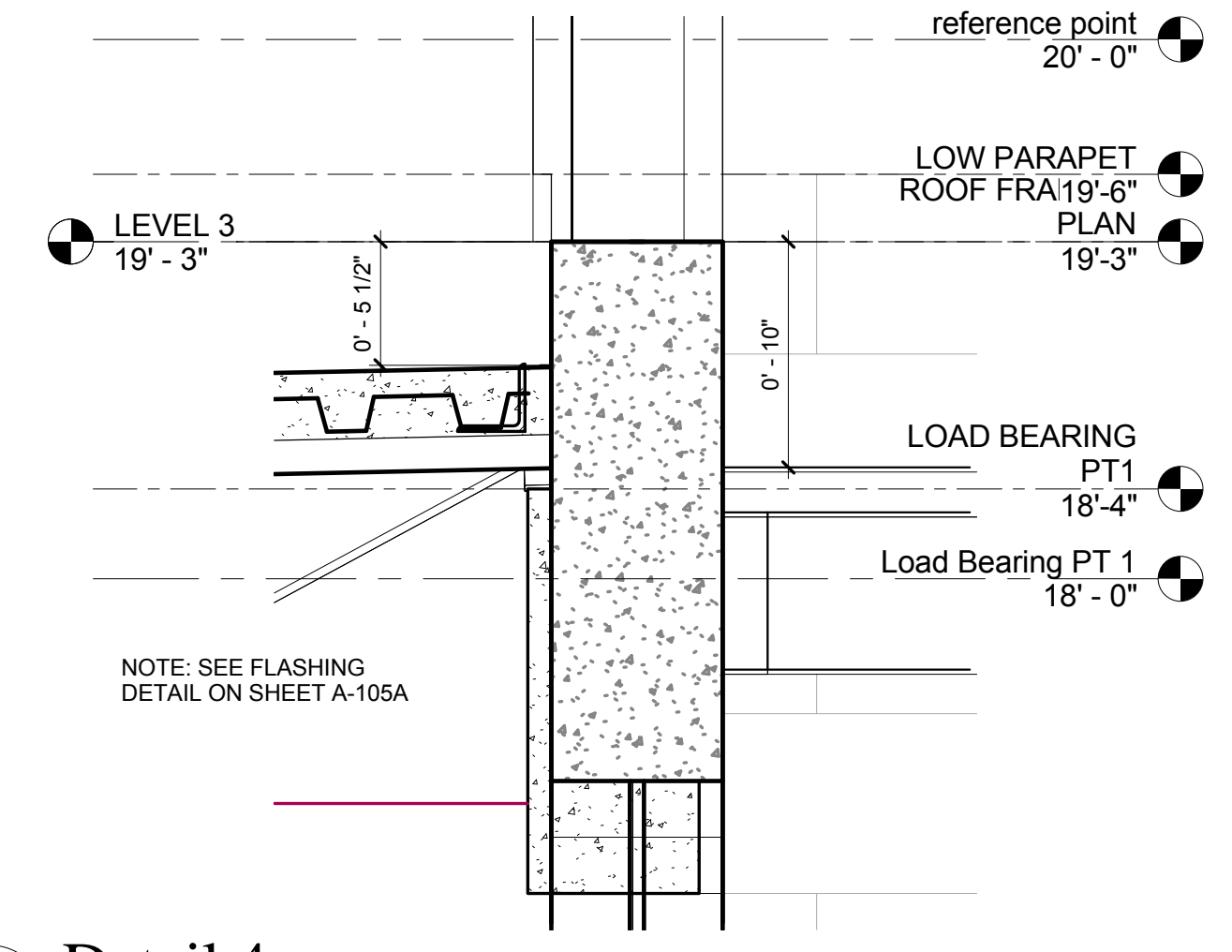
2 Stair #2 Enlarged Second Floor Plan  
A-404 SCALE: 1/2" = 1'-0"



3 Stair #2 Enlarged Third Floor Plan  
A-404 SCALE: 1/2" = 1'-0"

**INTERIOR RAILING NOTES:**

- ALL RAILINGS SHALL BE 1 1/2" DIAMETER RAILINGS, CROSS RAILS AND SUPPORTS. AT AREAS OF PICKETS, PICKETS SHALL BE MIN. 3/4" DIAMETER AT 4" C/C.
- ALL RAILINGS SHALL BE GALVANIZED STEEL. RAILINGS SHALL BE FABRICATED IN AS LARGE OF SECTIONS AS POSSIBLE PRIOR TO GALVANIZING TO MINIMIZE THE QUANTITY OF FIELD WELDS AND CONNECTIONS AS POSSIBLE.
- RAILINGS SHALL BE FACTORY PRIMED AND FIELD PAINTED WITH TWO COATS OF SEMI-GLOSS SHERWIN-WILLIAMS SW 6067 MOCHA. SEE INTERIOR PAINT SPEC. ON SHEET A-700.



4 Detail 4  
A-404 SCALE: 1/2" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Stair #2 Enlarged Plan and Details

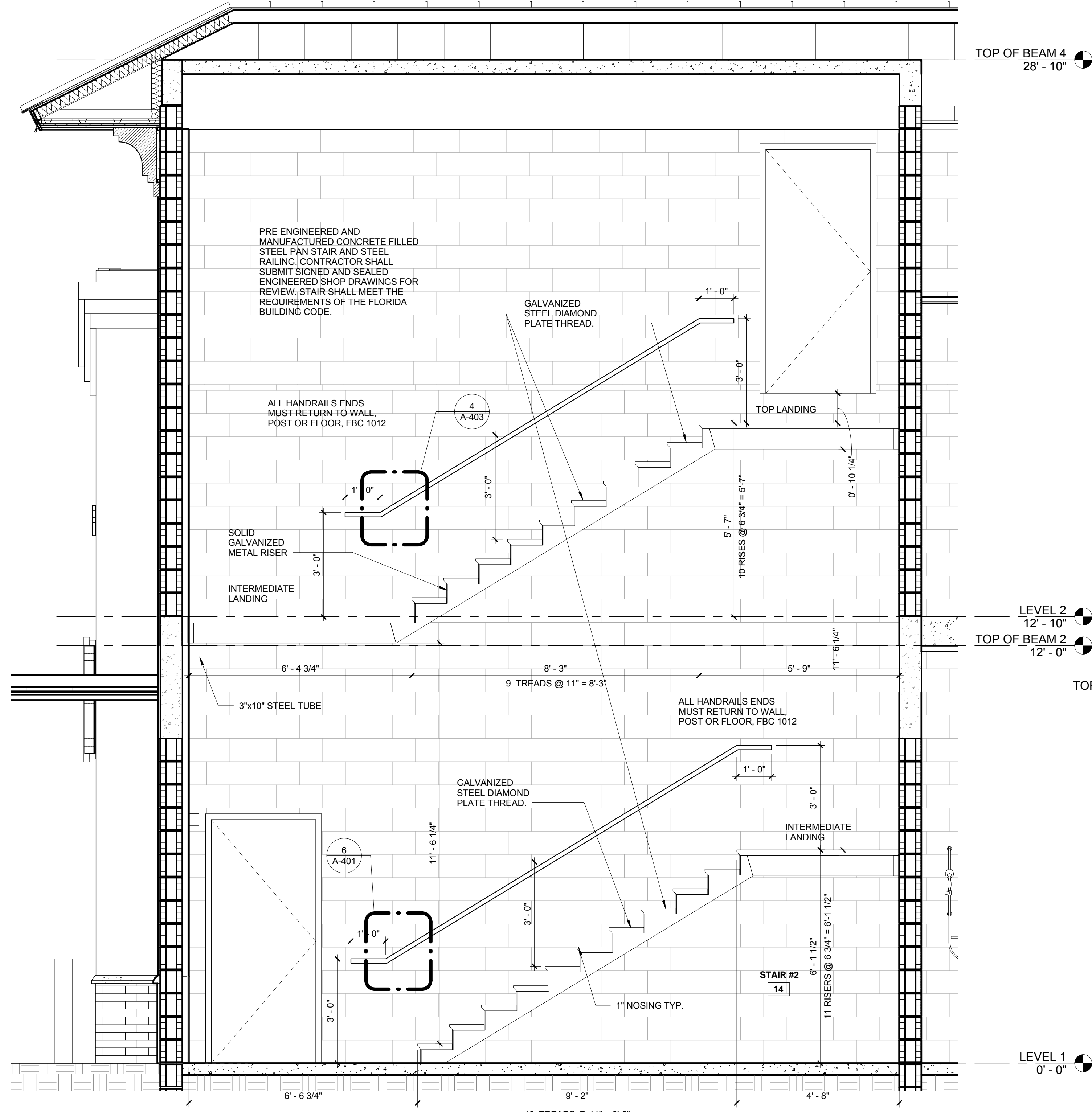
DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

A-404

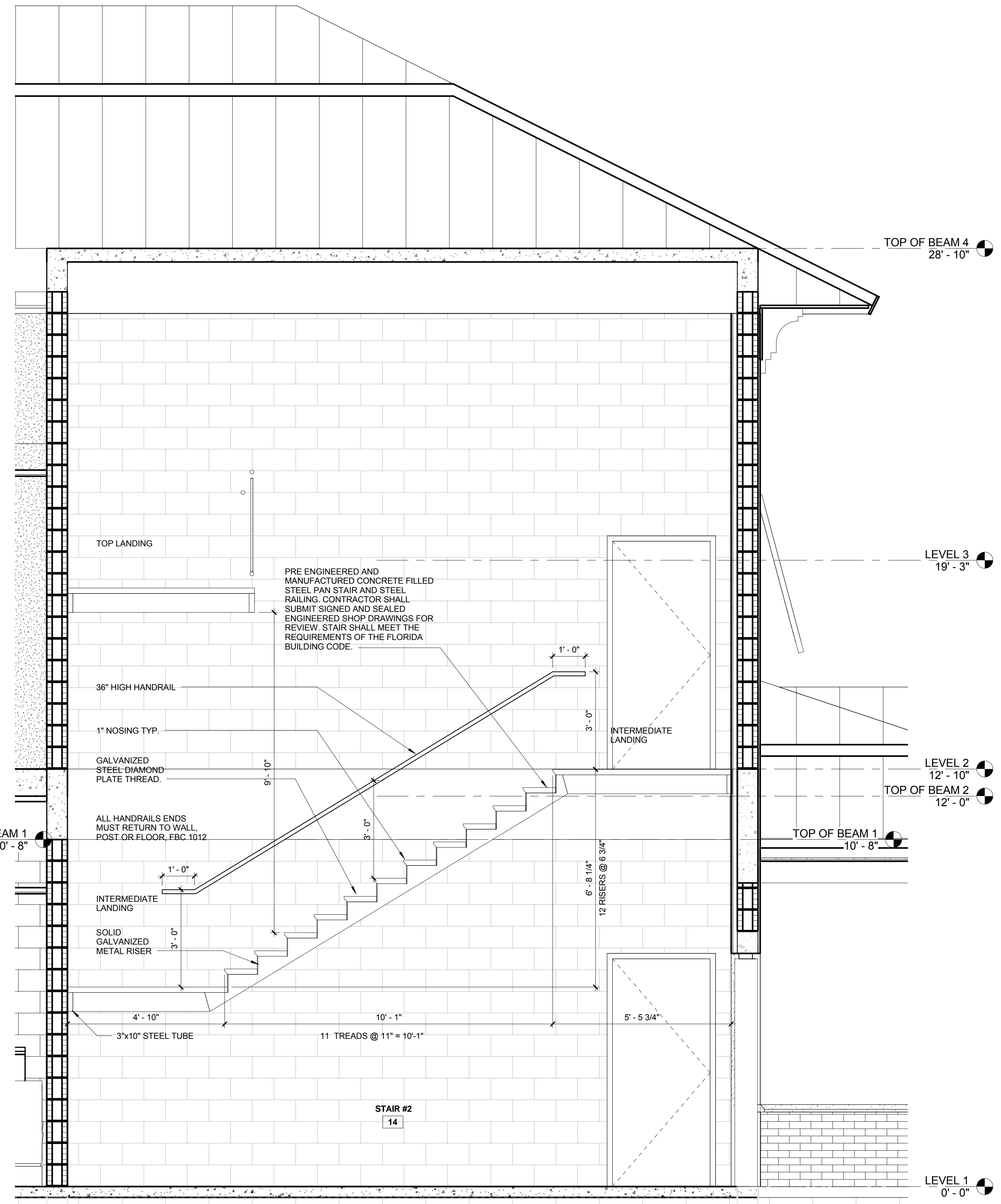
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NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014
1	BLDG COMM #3	10-06-14

CONSULTANT:



1 Stair Section 17  
A-405 SCALE: 1/2" = 1'-0"



2 Stair Section 18  
A-405 SCALE: 1/2" = 1'-0"

C:\Users\pawson\Documents\11220210\_SJ\_SG\_Dimension Issue\_CENTRAL\_CPT214092.dwg 11/16/2014 8:55:54 AM

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Stair #2 Sections

DRAWN:	RJMG
CHECKED:	Checker
DATE:	07-25-2014
SCALE:	1/2" = 1'-0"
PROJECT NO.:	12200
SHEET:	

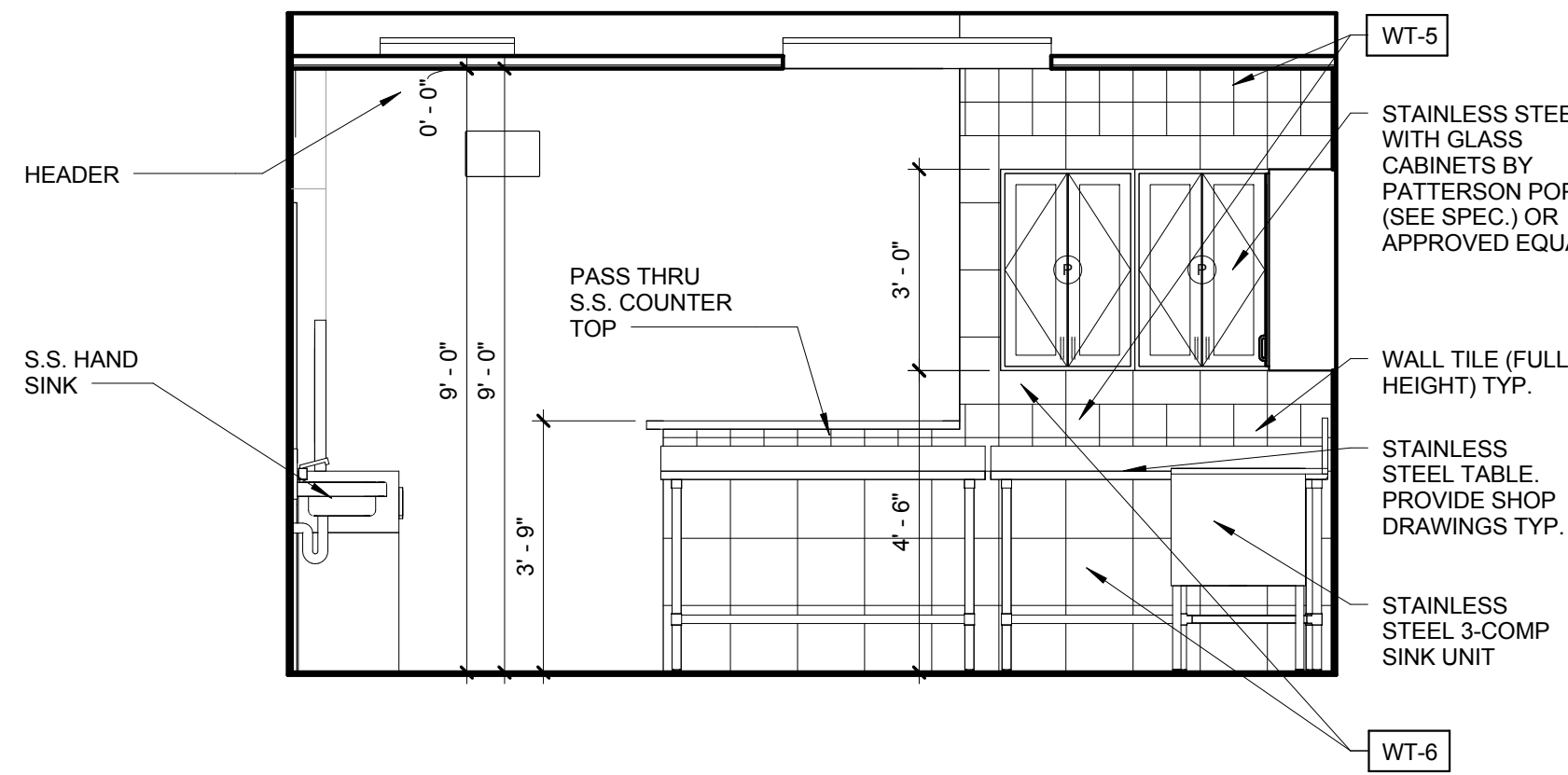
CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

A-405

DATE:

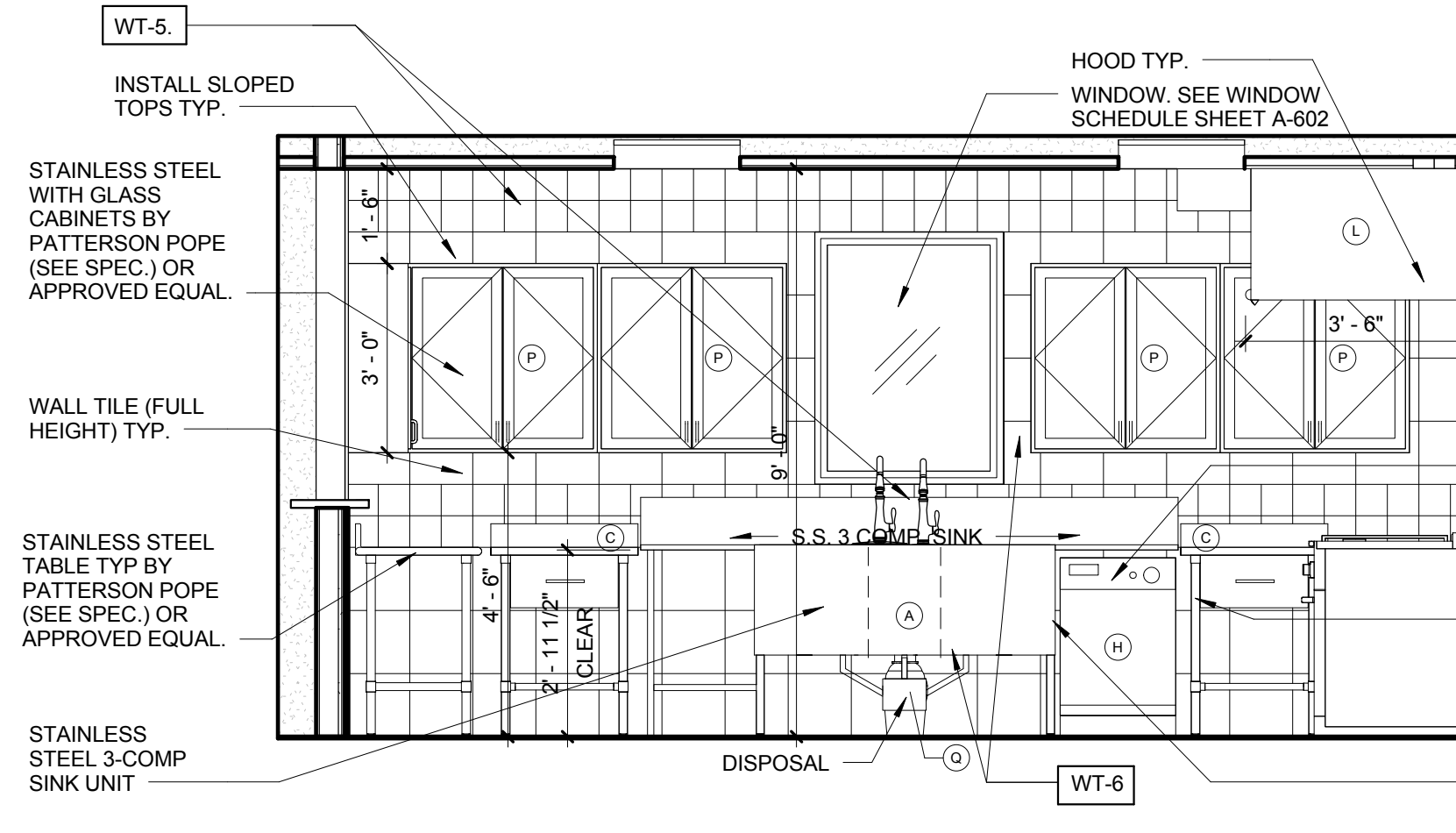
# KITCHEN EQUIPMENT SCHEDULE

Type Mark	Description	Manufacturer	Model	Type Comments
A	Custom 3 Compartment Pot Sink SPEC-MASTER FFN Series Flush Front Sink	Eagle Group	Custom Fabricated	Per Plans & Specs
B	Stainless Steel Worktable	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
B1	Stainless Steel Worktable w/S.S. Undershef, Drawer and Backsplash	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
C	Stainless Steel Worktable w/S.S. Undershef, Drawer and Backsplash	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
D	Stainless Steel Worktable w/S.S. Undershef, Drawer and Backsplash	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
E	Stainless Steel Worktable w/S.S. Island Cabinets Below	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
F	Stainless Steel Worktable w/S.S. Undershef, Drawer and Backsplash	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
G	21 CU FT Refrigerator	Frigidaire	FGHT2146KP	Provided by Others - Installed by G.C.
H	Undercounter Dishwasher	Kitchen Aid	KDTE404DSP	Provided and Installed by G.C.
I	(IR-4-RG24) 48" Gas Range	Imperial	IR-4-RG24	Provided and Installed by G.C.
J	Faucet, Wall Mount	T&S Brass	B-0231	
K	Pre-Rinse Faucet, Wall Mount	T&S Brass	B-0133-B	
L	Hood Exhaust with Fire System	Hood Depot	Custom Fabricated	Verify all connections w/ Final shop drawings
M	Hand Sink Wall Mount	Eagle Group/ MTL Masters	HSA-10-FDP	
N	Wire Shelving	Patterson Pope or Approved Equal	Custom Shelving	Per Plans & Specs
P	Stainless Steel with Glass Upper Cabinets	Patterson Pope or Approved Equal	Custom Fabricated	Per Plans & Specs
Q	Garbage Disposal	Salvajor	1 HP Model # 100-SA-3 1/2"-MSS	



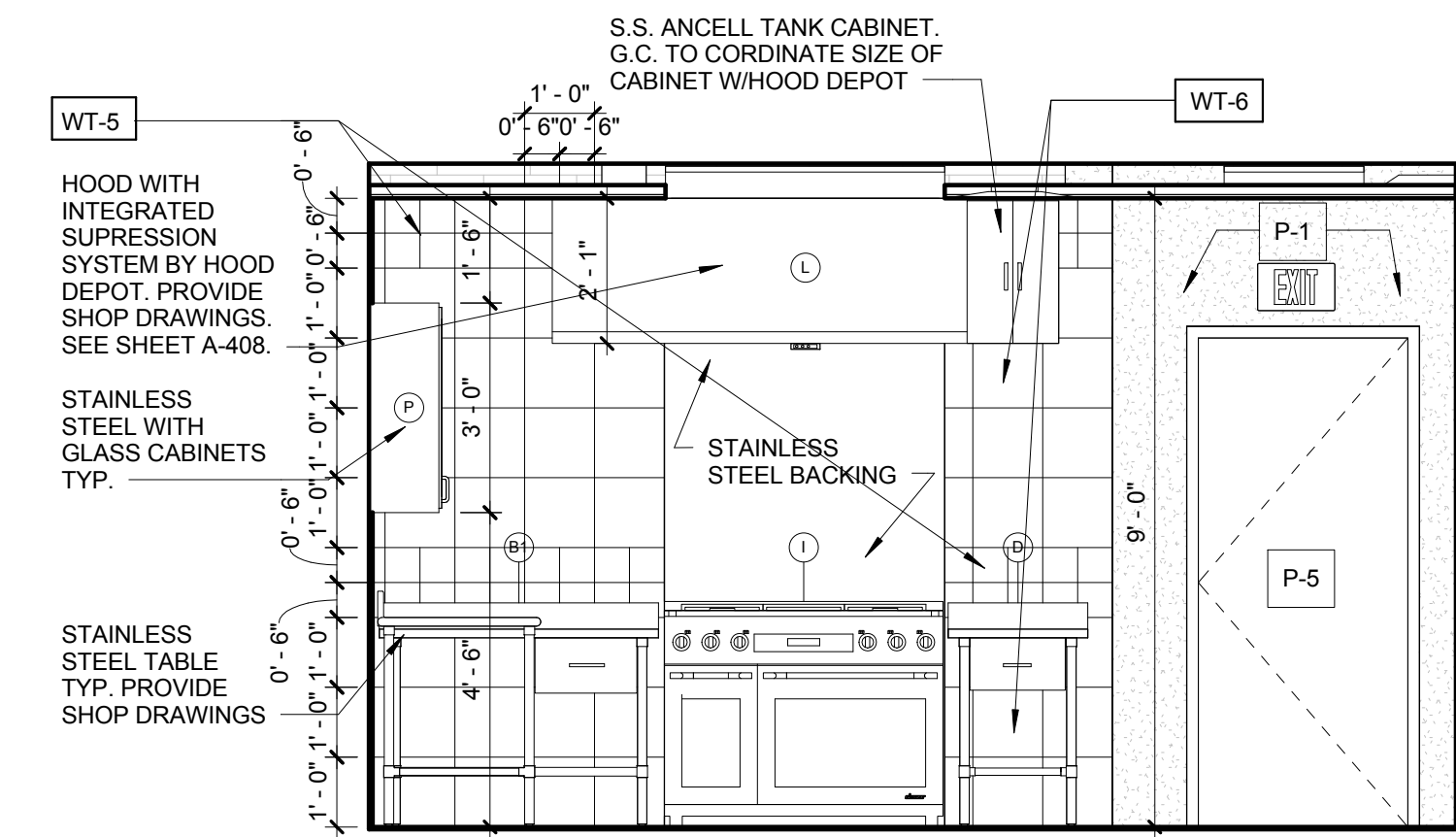
**KITCHEN ELEVATION 1K**

SCALE: 3/8" = 1'-0"



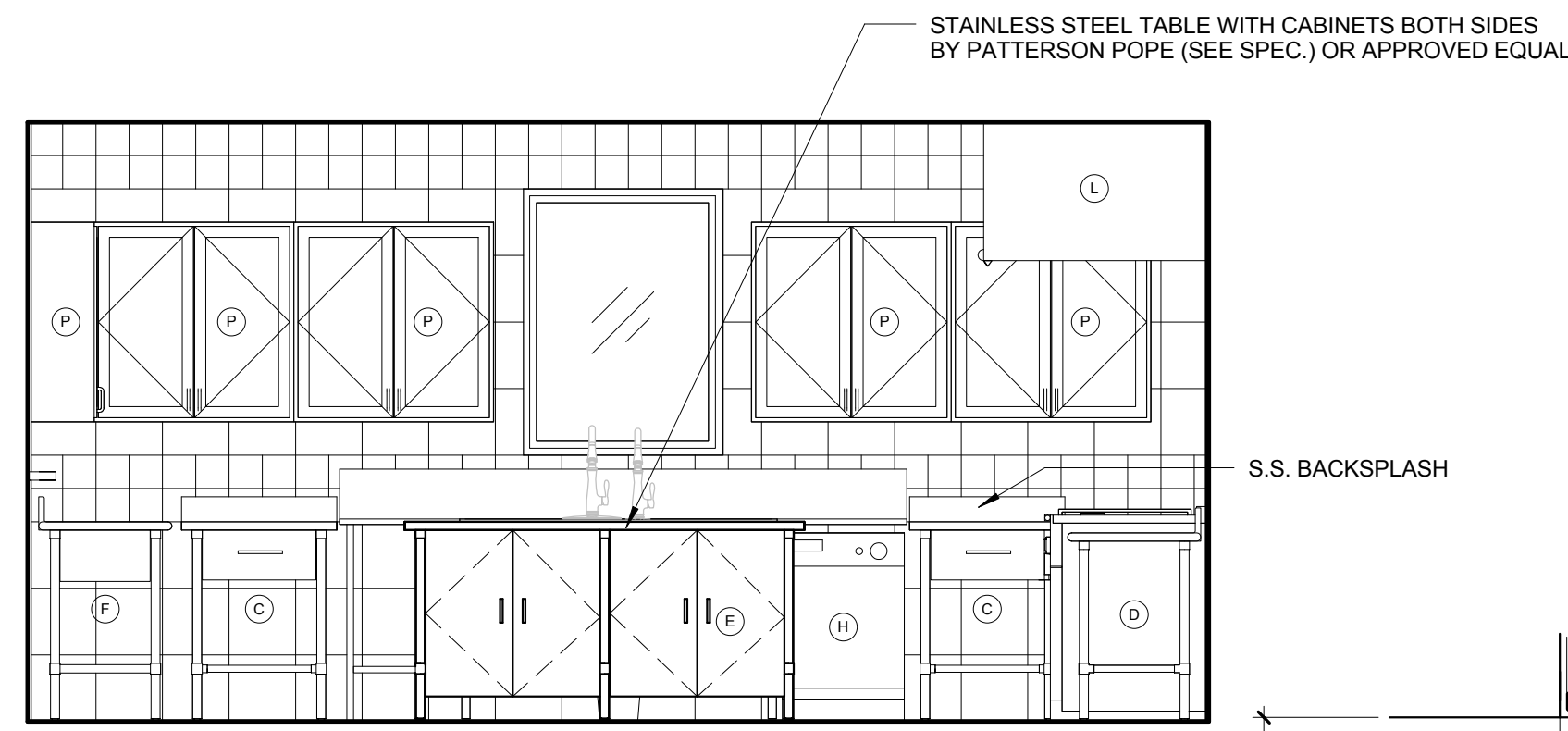
**KITCHEN ELEVATION 2K**

SCALE: 3/8" = 1'-0"



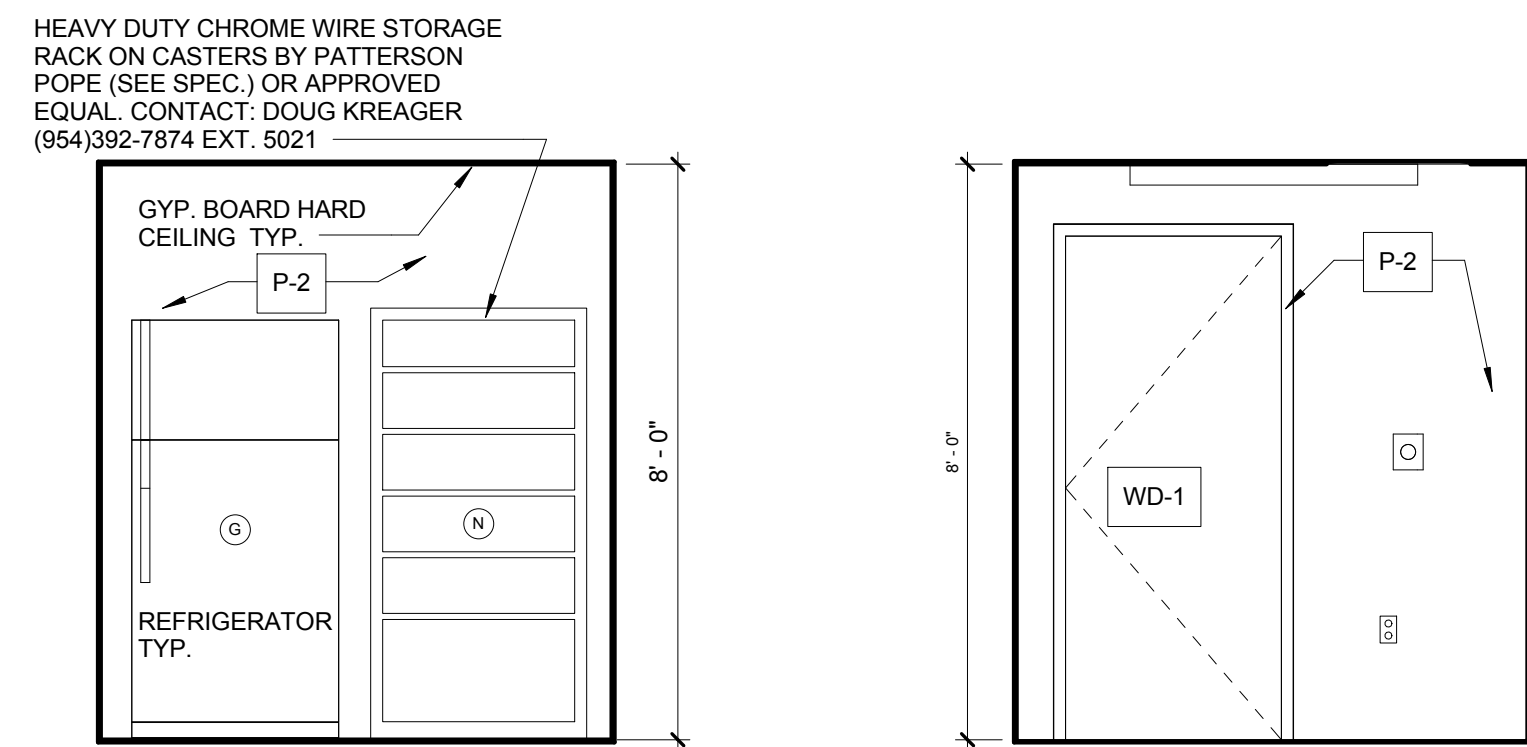
**KITCHEN ELEVATION 3K**

SCALE: 3/8" = 1'-0"



**KITCHEN ELEVATION 4K**

SCALE: 3/8" = 1'-0"



**TYPICAL PANTRY ELEVATION 5K**

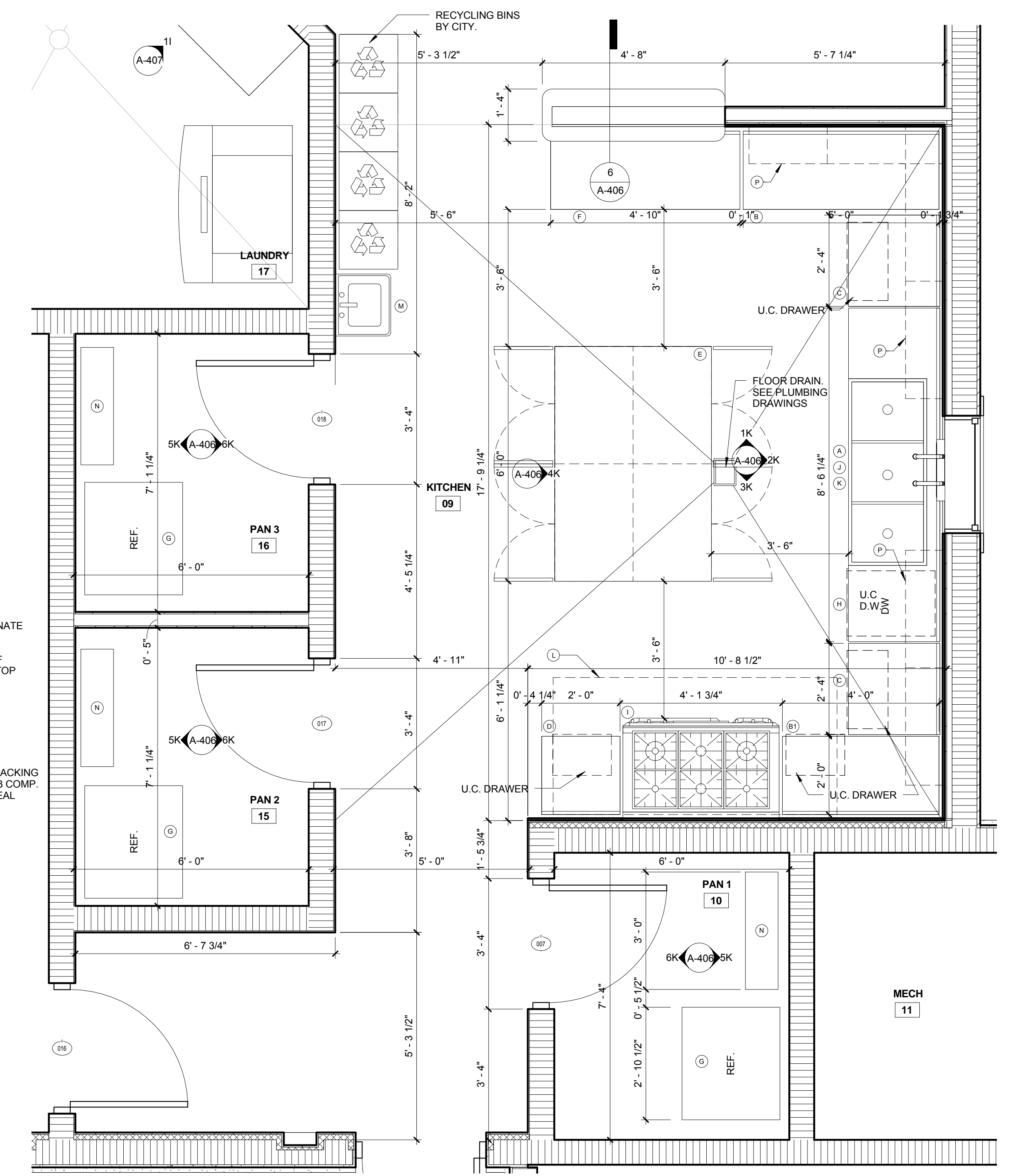
SCALE: 3/8" = 1'-0"

**TYPICAL PANTRY ELEVATION 6K**

SCALE: 3/8" = 1'-0"

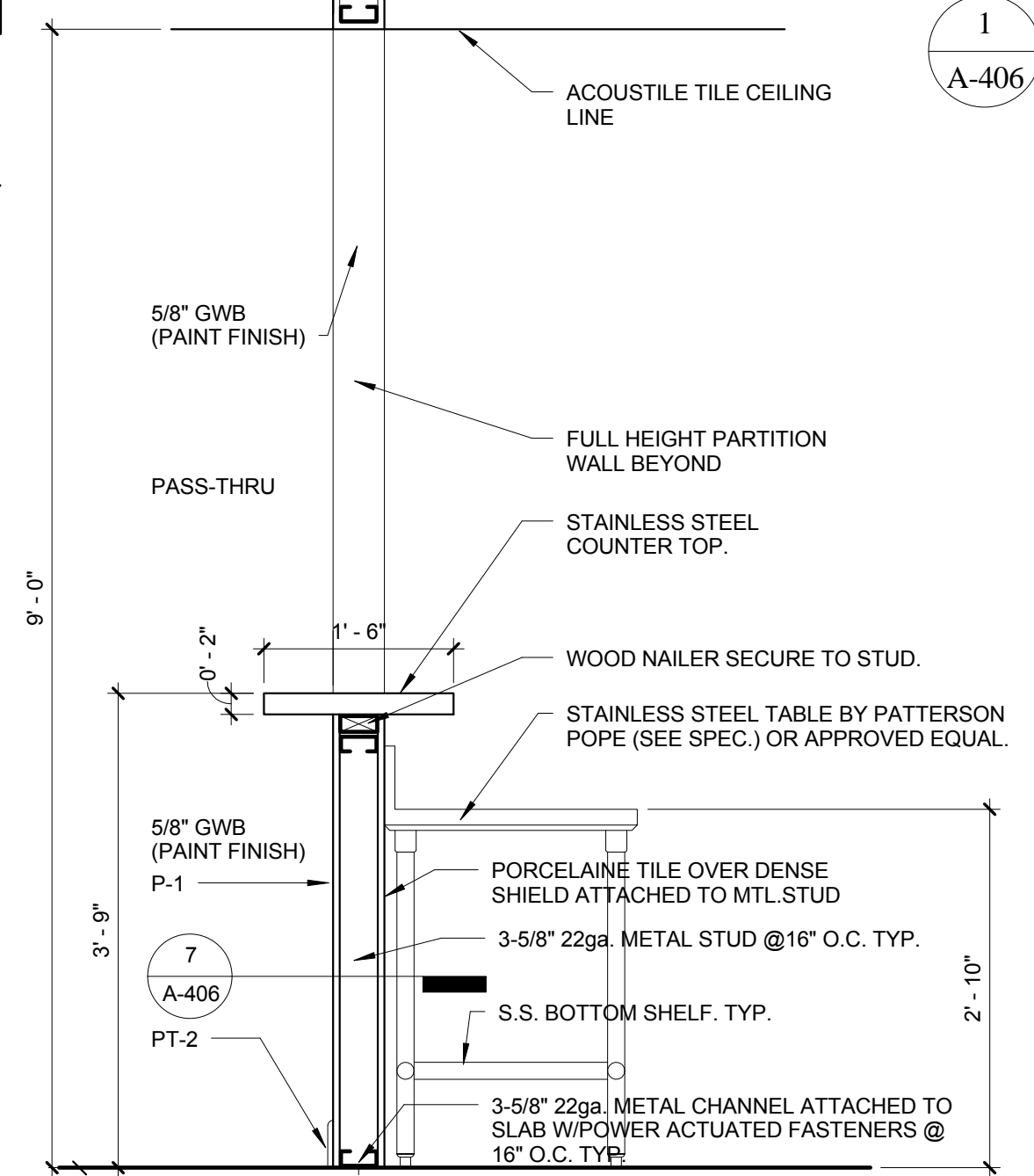
**NOTE:**  
ALL STAINLESS STEEL COUNTERS, UNDERCOUNTER SHELF, S.S. GLASS CABINETS AND STAINLESS STEEL WORK TABLE ISLAND W/LOCKABLE WHEELS SHALL BE 14 GAUGE COMMERCIAL GRADE, HEAVY DUTY INDUSTRIAL QUALITY KITCHEN BY PATTERSON POPE OR APPROVED EQUAL. ALL ITEMS FULLY WELDED AND GROUND SMOOTH. ALL LEGS TO BE STAINLESS STEEL AND ADJUSTABLES SO ALL SURFACES (TOP COUNTER AND SHELF) CAN BE ADJUSTED TO ALIGN. CONTRACTOR TO SUBMIT FULLY DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. CONTACT: DOUG KREAGER (954) 392-7874 EXT. 5021.

**KITCHEN HOOD NOTE:**  
KITCHEN HOOD BY HOOD DEPOT OR APPROVED EQUAL. CONTACT: RODNEY L. FRITZ, PHONE: (954) 570-9860.  
KITCHEN HOOD AND SUPPRESSION SYSTEM SHOP DRAWINGS TO BE SUBMITTED UNDER A SEPARATE PERMIT BY GENERAL CONTRACTOR.  
A PERFORMANCE TEST SHALL BE CONDUCTED UPON COMPLETION AND BEFORE FINAL APPROVAL OF THE INSTALLATION OF A VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES PER FMC 507.16. CONTRACTOR SHALL VERIFY AND CAPTURE A CONTAINMENT PERFORMANCE OF EXHAUST SYSTEM PER FMC 507.16.1.



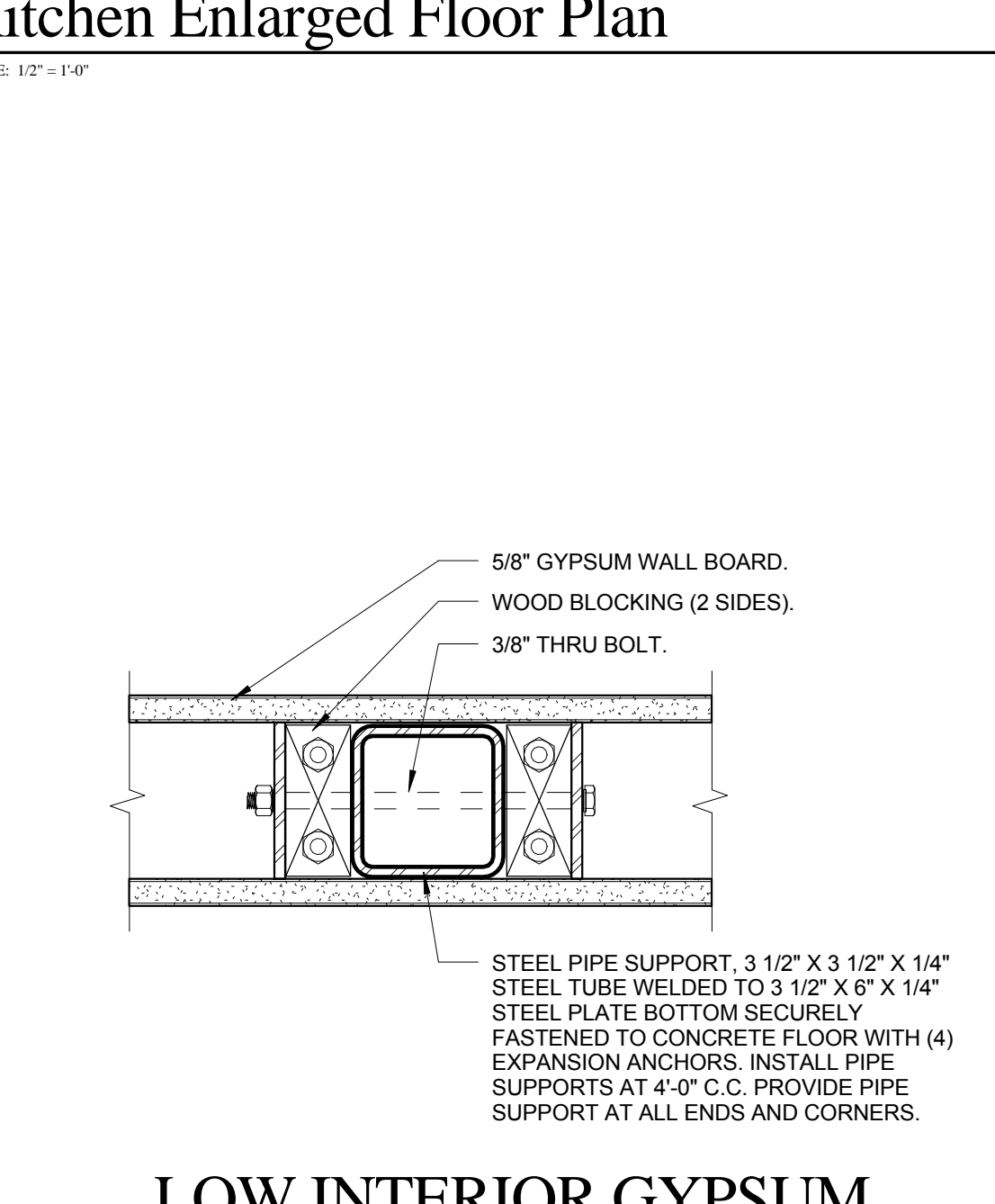
**1 Kitchen Enlarged Floor Plan**

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



**6 KITCHEN SECTION DETAIL**

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



**7 LOW INTERIOR GYPSUM PARTITION SUPPORT DETAIL**

SCALE: 3" = 1'-0"

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

**FIRE STATION 50**  
4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 952-8223 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**Kitchen Enlarged Plan & Interior Elevations**

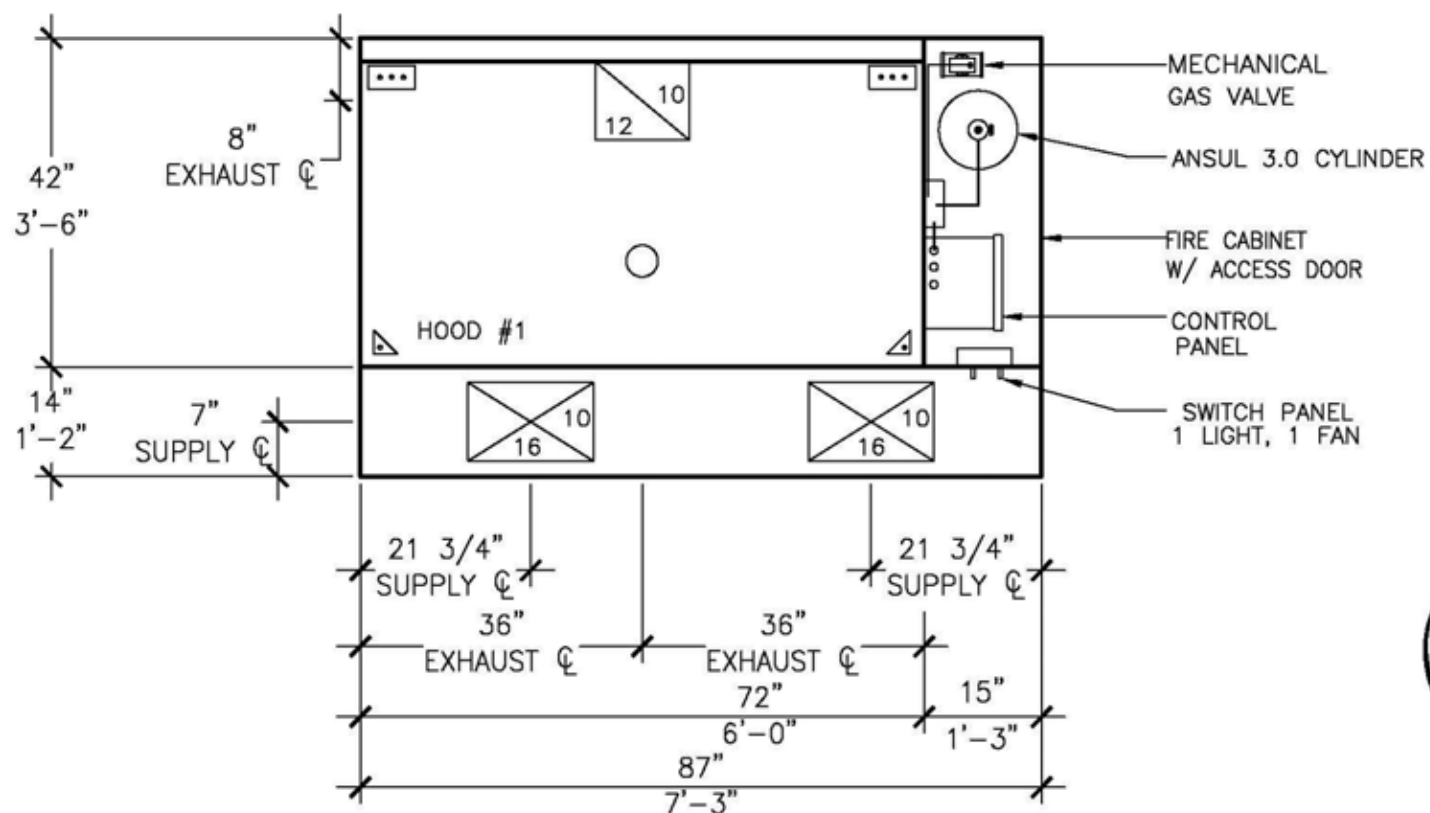
DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

**A-406**

DATE:





PLAN VIEW

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

CLEAN OUT DOOR DETAIL



NOTE: LOCATIONS OF CLEAN OUTS TO BE IDENTIFIED ON CEILING TILES AND ACCESSIBLE WITH A STEP LADDER

HOOD SCHEDULE

HOOD #	MFG.	MODEL #	LENGTH	TYPE	EXHAUST COLLAR		AREA OF EXHAUST FILTERS	VELOCITY THRU EXHAUST FILTERS	LIGHTS		FILTERS		MATERIAL	WGT	UTILITY CABINET		SWITCHES		
					SIZE	S.P.			CFM	QTY.	TYPE	QTY (H X W)			TYPE	SIZE	LOCATION	HOOD	LIGHT
1	HOOD DEPOT	NDF-0724225114	6'-0"	TYPE I HOOD	18" x 10"	5/8"	1380	9.9 SQFT	140 FPM	1	INCANDESCENT	(2) 16" X 20" (2) 20" X 20"	S/S	430 S/S EXPOSED	300 LBS	15"	LEFT	ON HOOD CABINET	ON HOOD CABINET

MUA PLENUM SCHEDULE

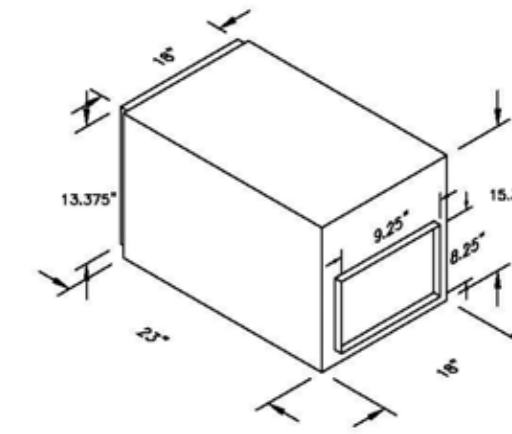
PLENUM #	HOOD #	LENGTH	WIDTH	SUPPLY COLLAR		AREA OF MUA PERF	VELOCITY THRU MUA PERF	WGT	
				SIZE	S.P.				
1	#1	7'-3"	14"	(2) 16" x 10"	1/4"	1104	8.5 SQFT	131 FPM	50 LBS

FAN SCHEDULE

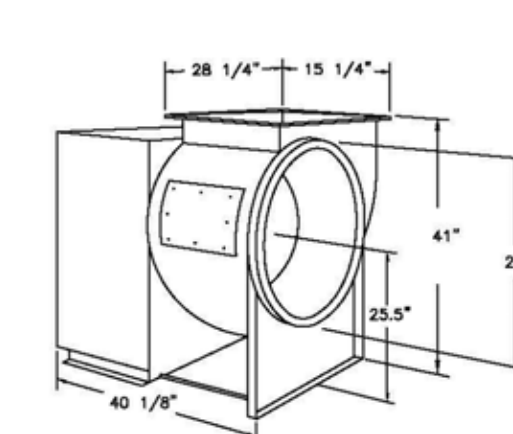
HOOD #	FANS	MFG.	MODEL #	CFM	S.P.	HP	VOLTAGE	RPM	AMPS	WGT
#1	EF-1	JENCO	CM-12	1380	1.5"	3/4	208V/1Ø	1818	7.6	89 LBS
#1	SF-1	JENCO	CFD-07	1104	0.5"	3/4	208V/1Ø	1368	5.4	65 LBS

AIR BALANCE SCHEDULE

	EX CFM	SUPPLY CFM
AIR EXHAUSTED FROM HOODS	1380	
AIR SUPPLIED TO HOODS		1104
TOTAL AIR VOLUME	1380	1104



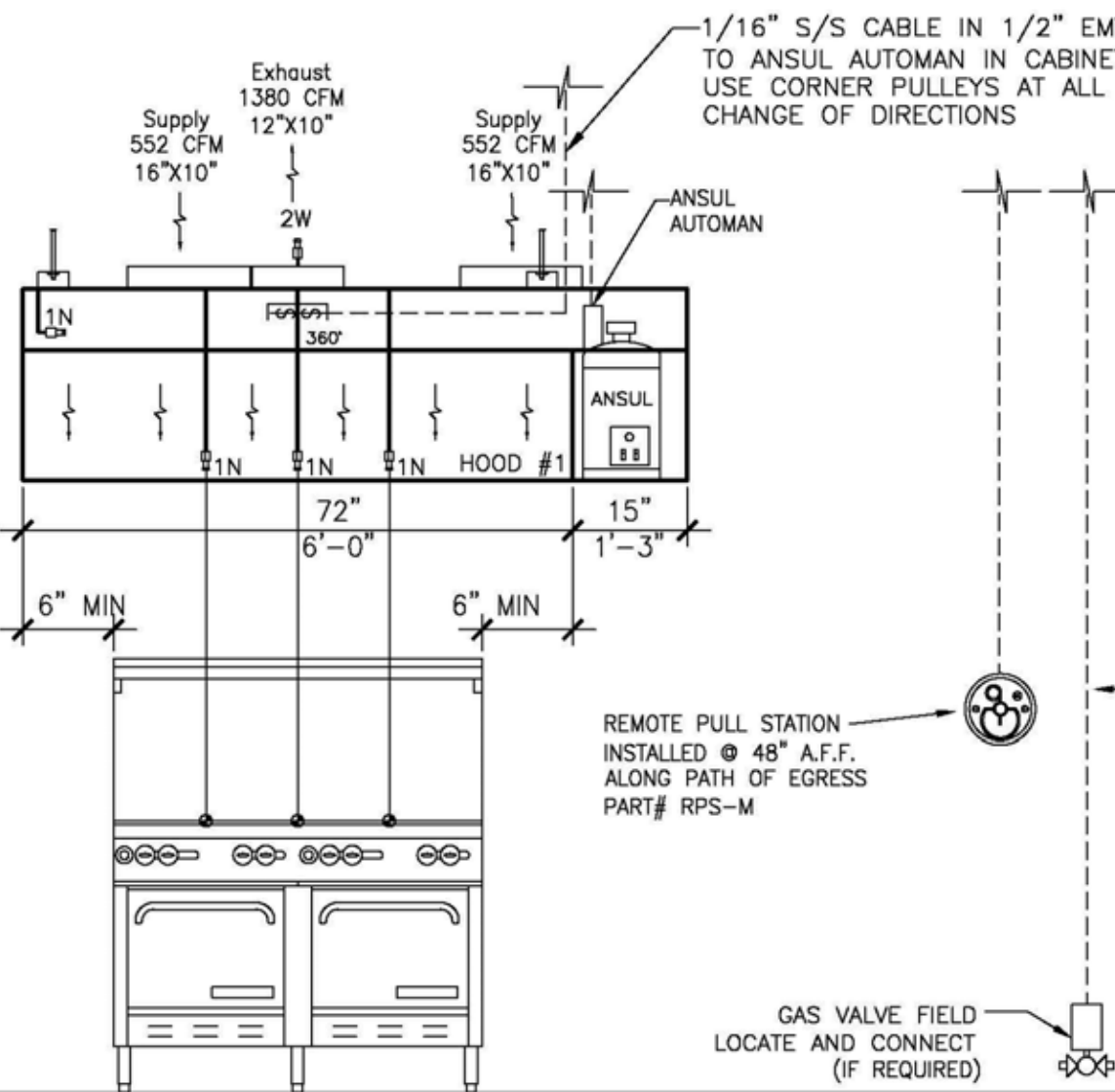
CFD-07 SUPPLY FAN DETAIL N.T.S.



CM-22 EXHAUST FAN DETAIL N.T.S.

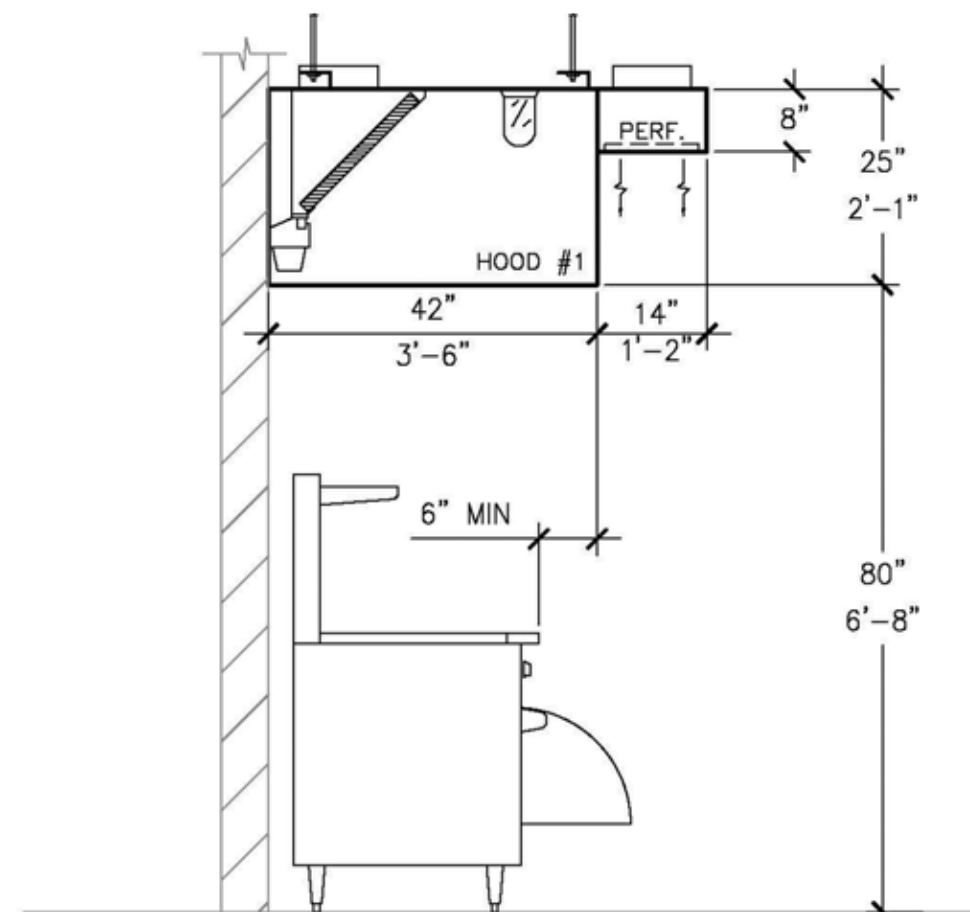
REQUIREMENTS BY ELECTRICAL CONTRACTOR

- WIRE EACH FAN CIRCUIT FROM CIRCUIT BREAKER TO LINE SIDE OF CONTACTOR IN CONTROL PANEL.
- WIRE EACH FAN FROM LOAD SIDE OF CONTACTOR IN CONTROL PANEL TO FAN DISCONNECT SWITCHES ON FAN DISCONNECT SWITCHES PROVIDED ON FANS.
- WIRE A 120V 20 AMP CONTROL CIRCUIT TO TERMINALS L AND N IN CONTROL PANEL.
- IF THERE IS NO FIRE ALARM PRESENT IN THE BUILDING THEN WIRE FROM CONTROL PANEL TERMINALS NO AND N TO HORN/STROBE DEVICE IN KITCHEN. 120V HORN/STROBE DEVICE TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- WIRE FROM CONTROL PANEL TERMINALS NO AND N TO SHUNT TRIP BREAKERS IN CIRCUIT BREAKER PANEL. ALL ELECTRIC RECEPTACLES OR HARDWIRED APPLIANCES UNDER THE HOOD OR FEEDING EQUIPMENT UNDER THE HOOD NEED TO SHUT DOWN UPON FIRE SYSTEM ACTIVATION. SHUNT TRIP BREAKERS PROVIDED BY ELECTRICAL CONTRACTOR.
- FIRE ALARM CONNECTIONS - IF A FIRE ALARM IS PRESENT IT NEEDS TO BE CONNECTED TO THE SPARE MICROSWITCH (DRY CONTACTS). WIRES FOR MICROSWITCH ARE LOCATED IN THE 190 JBOX NEAR THE CONTROL HEAD. IF A FIRE ALARM IS PRESENT A HORN/STROBE DEVICE IS NOT REQUIRED.
- IF ANY OTHER NEW OR EXISTING HOOD SYSTEMS ARE WITHIN THE SAME ROOM AS EACH OTHER AND THEY OPERATE INDIVIDUALLY ALL SUPPLY FANS MUST SHUT DOWN UPON ANY OF THE FIRE SYSTEM ACTIVATIONS. THIS CAN BE ACCOMPLISHED THROUGH SHUNT TRIP BREAKERS OR A SPARE SET OF CONTACTS WE HAVE ON OUR FIRE RELAY IN OUR CONTROL PANEL. CONTACT THE FACTORY FOR YOUR SPECIFIC SCENARIO.
- HEAT SENSORS NEED TO BE WIRED FROM EACH HOOD COLLAR TO CORRESPONDING SENSOR RELAY IN CONTROL PANEL.
- LIGHTS ARE PRE WIRED ON TOP OF EACH HOOD TO A SINGLE JUNCTION BOX. JUMPERS NEED TO BE PROVIDED AND INSTALLED IN BETWEEN HOOD SECTIONS AND FROM THE NEAREST HOOD TO THE CONTROL PANEL AND WIRE TO TERMINALS 14 AND 15.
- WHEN THERE IS NOT A FIRE CABINET BUILT INTO OUR HOOD THE MICRO SWITCH MUST BE WIRED FROM THE FIRE SYSTEM CONTROL BOX TO OUR CONTROL PANEL. THE COM WIRE (BLUE) GOES TO TERMINAL C IN OUR PANEL. THE NORMALLY CLOSED WIRE (YELLOW) GOES TO TERMINAL NC IN OUR PANEL AND THE NORMALLY OPEN WIRE (BROWN) GOES TO TERMINAL 3 IN CONTROL PANEL.



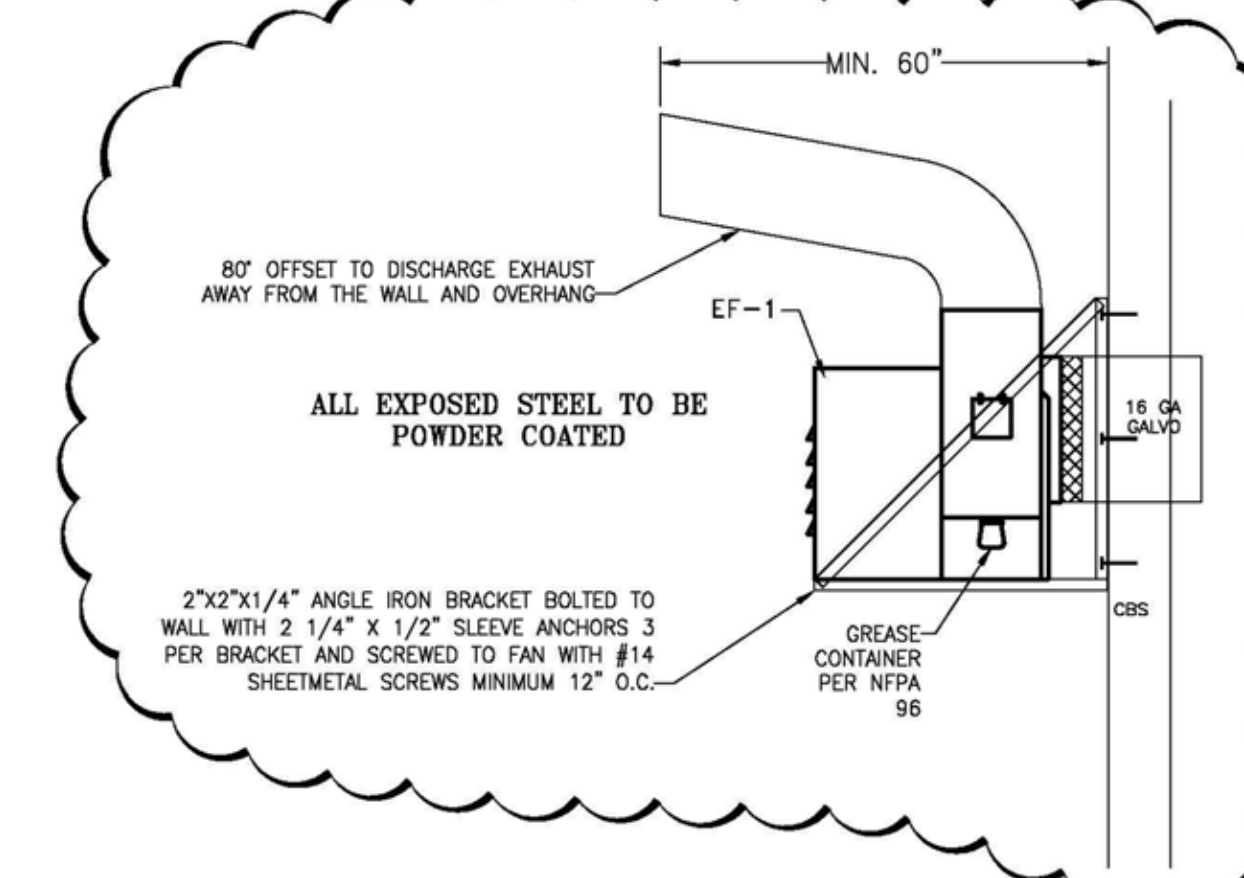
FRONT ELEVATION

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

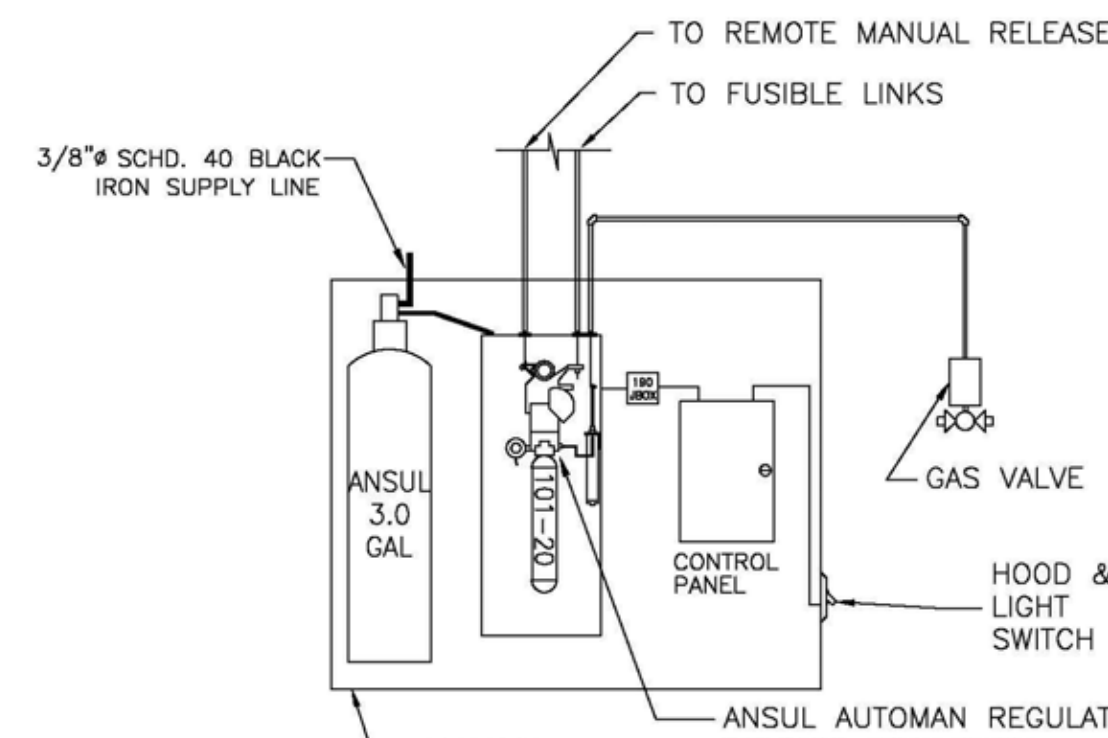


LEFT SIDE ELEVATION

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



ALL EXPOSED STEEL TO BE POWDER COATED



FIRE CABINET/FIRE SYSTEM DETAILS

CONTROL PANEL & DOUBLE MICROSWITCH PROVIDED BY HOOD DEPOT. CONTROL PANEL PRE-WIRED TO LIGHT SWITCH, HOOD SWITCH, AND ONE FIRE SYSTEM MICROSWITCH. THE CONTROL PANEL IS PRE-WIRED TO SHUTDOWN MUA AND TURN ON EXHAUST IN CASE OF FIRE. ALL OTHER CONNECTIONS ARE TO BE MADE BY OTHERS. THERE IS AN ADDITIONAL SPOT MICROSWITCH (DRY CONTACTS) PRE-WIRED TO THE J-BOX FOR FIRE ALARM ACTIVATION. FOR OTHER REQUIREMENTS SUCH AS THE SHUTDOWN OF ELECTRIC APPLIANCES AND RECEPTACLES UNDER HOOD, GAS SOLENOID ACTIVATION, AND ANY OTHER REQUIREMENTS BY NATIONAL, STATE, OR LOCAL AUTHORITIES HAVING JURISDICTION USE TERMINALS NC AND NO IN THE CONTROL PANEL AS REQUIRED. NO/NO IN THE CONTROL PANEL HAVE 115V/1PHASE AND ARE DEACTIVATED/ACTIVATED (RESPECTIVELY) UPON FIRE SYSTEM ACTIVATION.

NOTE: IF THERE IS NO BUILDING ALARM IT MAY BE REQUIRED TO PROVIDE A HORN TO BE SOUNDED UPON FIRE SYSTEM ACTIVATION.

ANSUL 3.0 GAL. FIRE SYSTEM  
HOOD SIZE: 6'-0"X42"X25"

ANSUL R102 SCHEDULE

NOZZLE	APPLICATION	COVERAGE	LENGTH OF DUCT PER NOZZLE	SPECIAL NOTES FOR COVERAGE	FLOW POINTS (F.P.)	TANK 1
2W	Duct	100' PERIMETER	UNLIMITED	Aligned at center of duct	2	1 2
NOZZLE	APPLICATION	COVERAGE	NOZZLE HEIGHT (In inches)	SPECIAL NOTES FOR COVERAGE	FLOW POINTS (F.P.)	TANK 1
1N	Plenum	10' x 4'	N/A	"Y" Bank or Single	1	1 1
NOZZLE	APPLICATION	COVERAGE	NOZZLE HEIGHT (In inches)	SPECIAL NOTES FOR COVERAGE	FLOW POINTS (F.P.)	TANK 1
1N	Range (Gas)	Longest Side = 32" 384 sq in	30" min/40" max	Centered	1	3 3
TOTAL FLOW POINTS						6

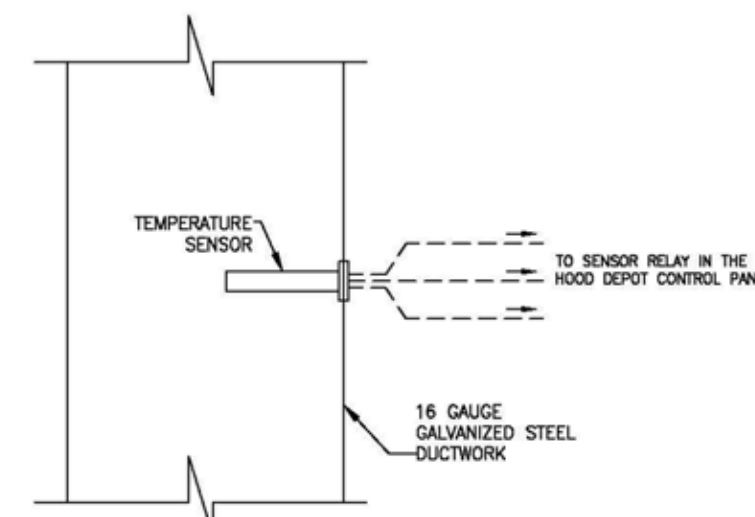
ANSUL PARTS LEGEND

SYMBOL	DESCRIPTION	ANSUL P/N
↓	APPLIANCE NOZZLE	1W, 1N, 1/2N, 3N, 2W, 230, 240, 260, 290, 2120, 1F, 1100
⊥	PLENUM NOZZLE	1N
⊥	50IN PERIMETER DUCT NOZZLE	1W
⊥	100IN PERIMETER DUCT NOZZLE	2W
⊙	REMOTE PULL STATION	RPS-M
⊞	GAS VALVE	.75", 1", 1.25", 1.5", 2", 2.5", 3"

DUCT TEMPERATURE SENSOR DETAIL

DUCT TEMPERATURE SENSOR

TEMPERATURE SENSOR TO BE PLACED IN THE GREASE EXHAUST DUCT TO ACTIVATE THE EXHAUST HOOD SYSTEM PER FLORIDA MECHANICAL CODE 507.2.1.1 OPERATION. WHICH STATES TYPE I HOOD SYSTEMS SHALL BE DESIGNED AND INSTALLED TO AUTOMATICALLY ACTIVATE THE EXHAUST FAN WHENEVER COOKING OPERATIONS OCCUR. THE ACTIVATION OF THE EXHAUST FAN SHALL OCCUR THROUGH AN INTERLOCK WITH THE COOKING APPLIANCES, BY MEANS OF HEAT SENSORS OR BY MEANS OF OTHER APPROVED METHODS.



710 SOUTH POWERLINE ROAD  
DEERFIELD BEACH, FL 33442  
E-MAIL: HOODEPOT@AOL.COM

CHIEF ENGINEER  
MAX BRAND, P.E.  
PH# 800-322-8730  
LICENSE # 72500

NUMBER	REVISIONS	DATE
1	ADDED FAN DISCHARGE DETAIL AND CLEAN OUT ACCESS	8/15/15

**HOOD DEPOT INT'L INC.**  
710 SOUTH POWERLINE RD. #H, DEERFIELD BEACH, FL

JOB NAME:  
**FIRE STATION #50**  
NW 45TH AVE, COCONUT CREEK, FL P-785

SCALE: NOTED    DRAWN BY: I.D.    CHECK BY: R.Z.    DATE: 05/02/14

TITLE:  
**HOOD DETAIL DRAWING** 1 of 1

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	09-04-14
3	ADDENDUM #1	

CONSULTANT:

FIRE STATION 50

CPZ ARCHITECTS, INC.



DRAWING TITLE:

Kitchen Hood Details

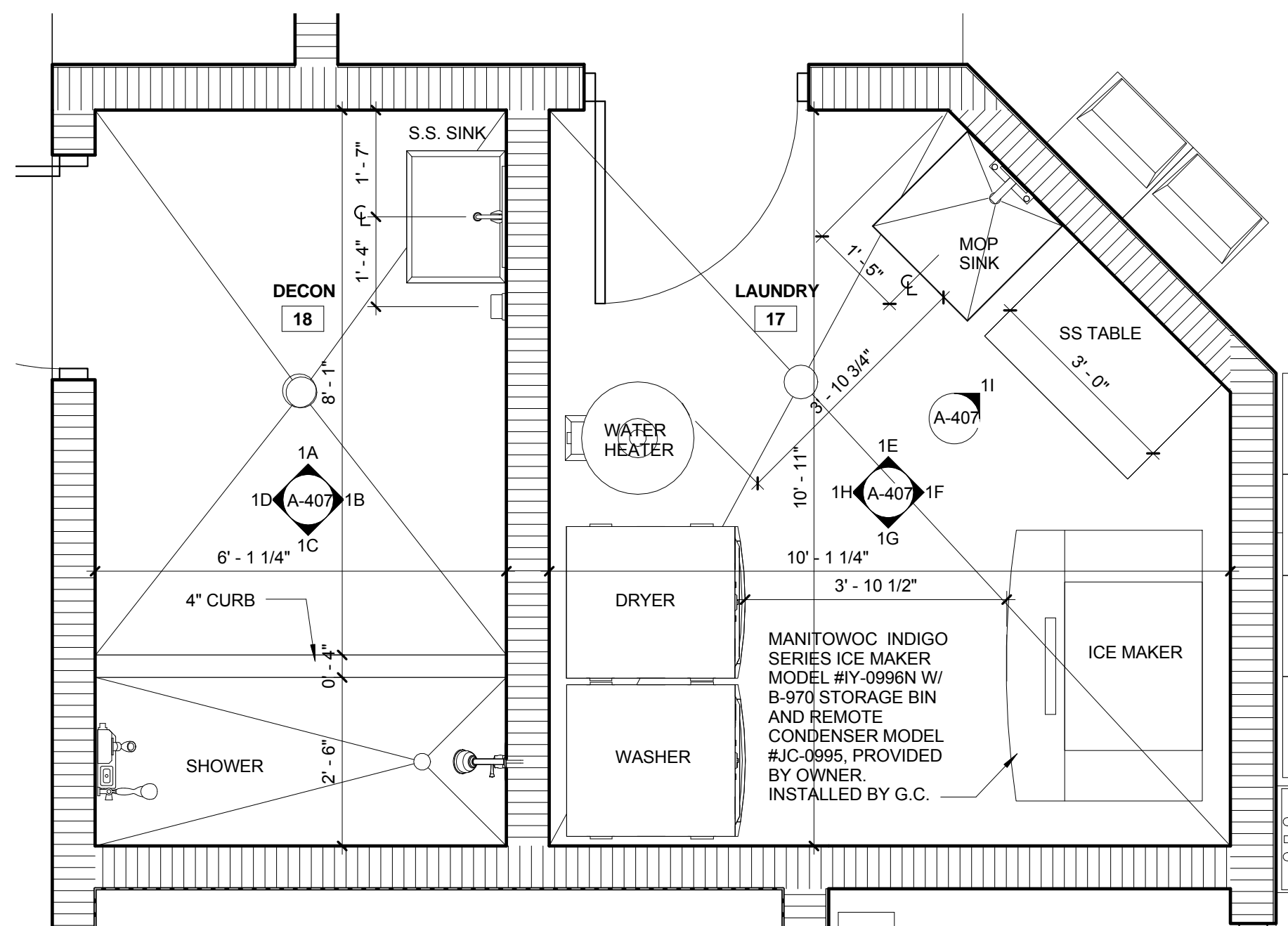
DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

A-406A

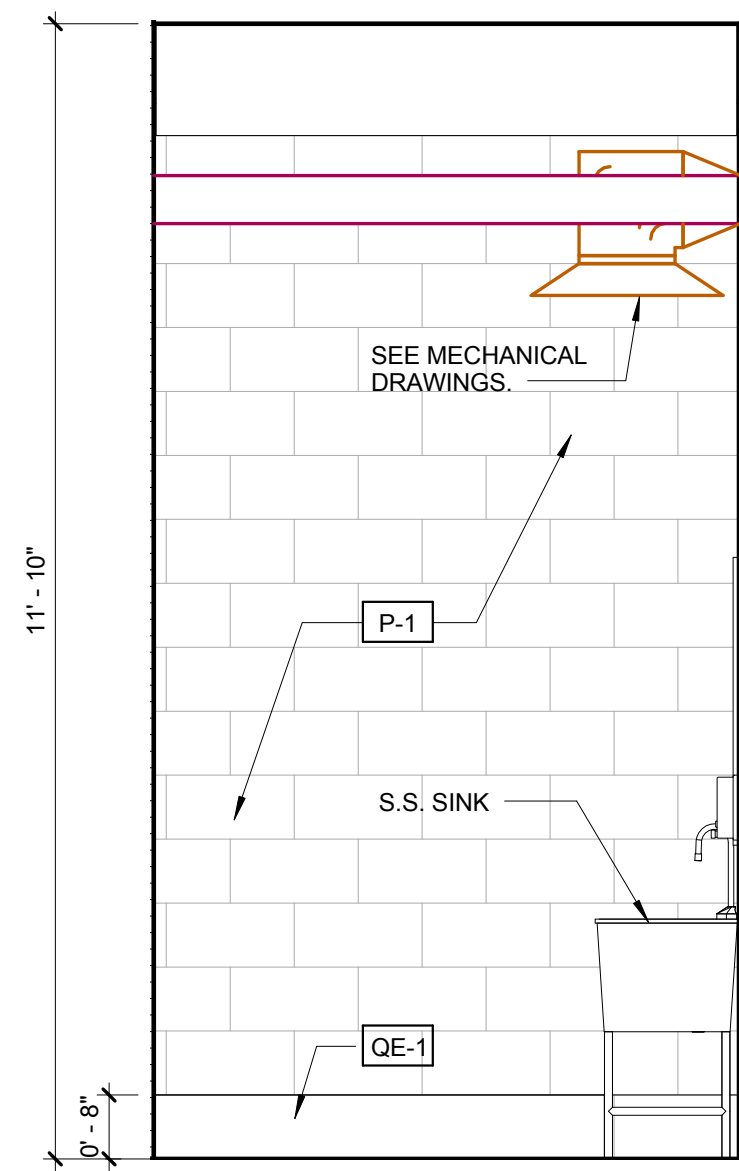
DATE:

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	08-04-14
3	ADDENDUM #1	08-04-14

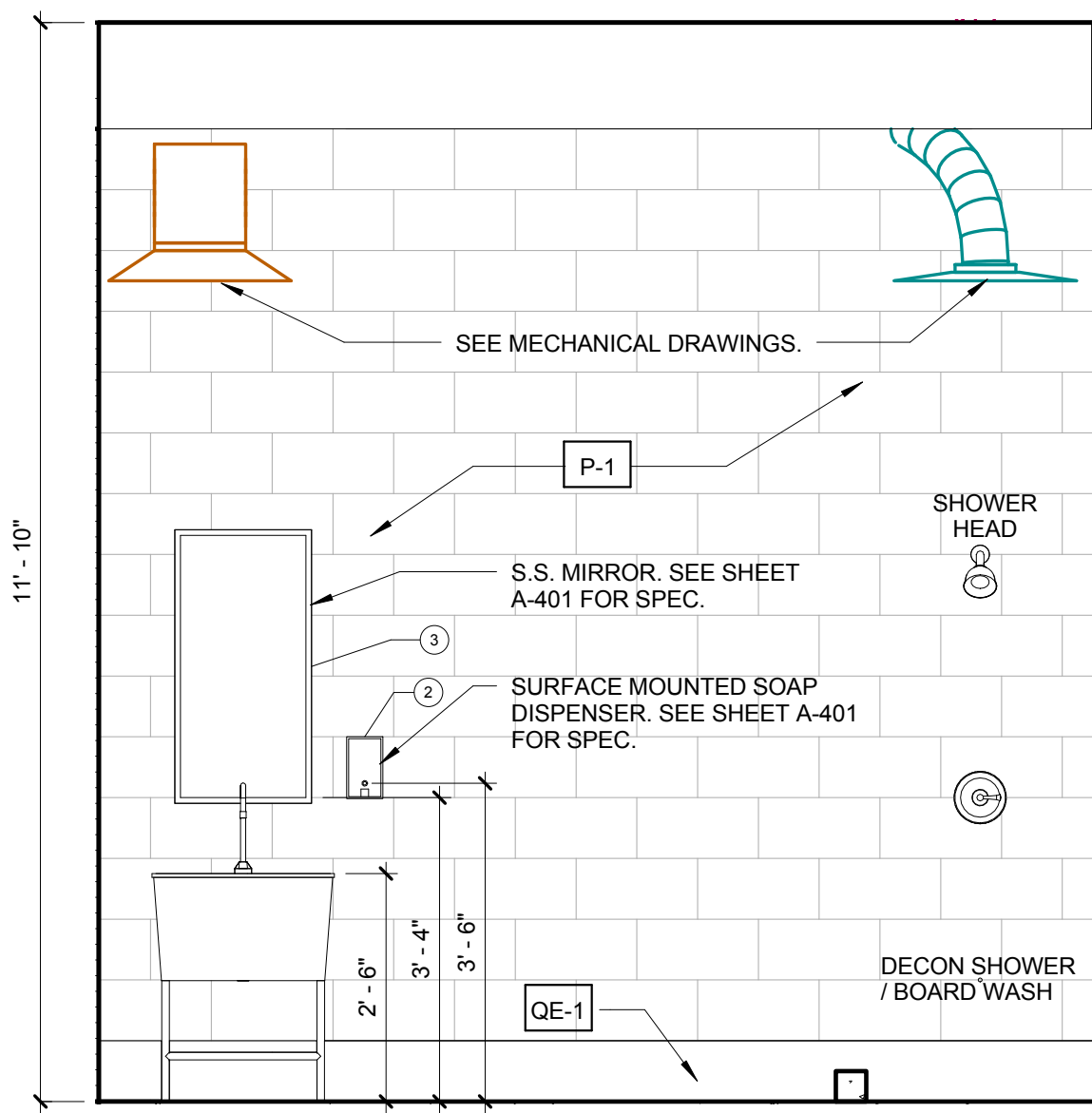
CONSULTANT:



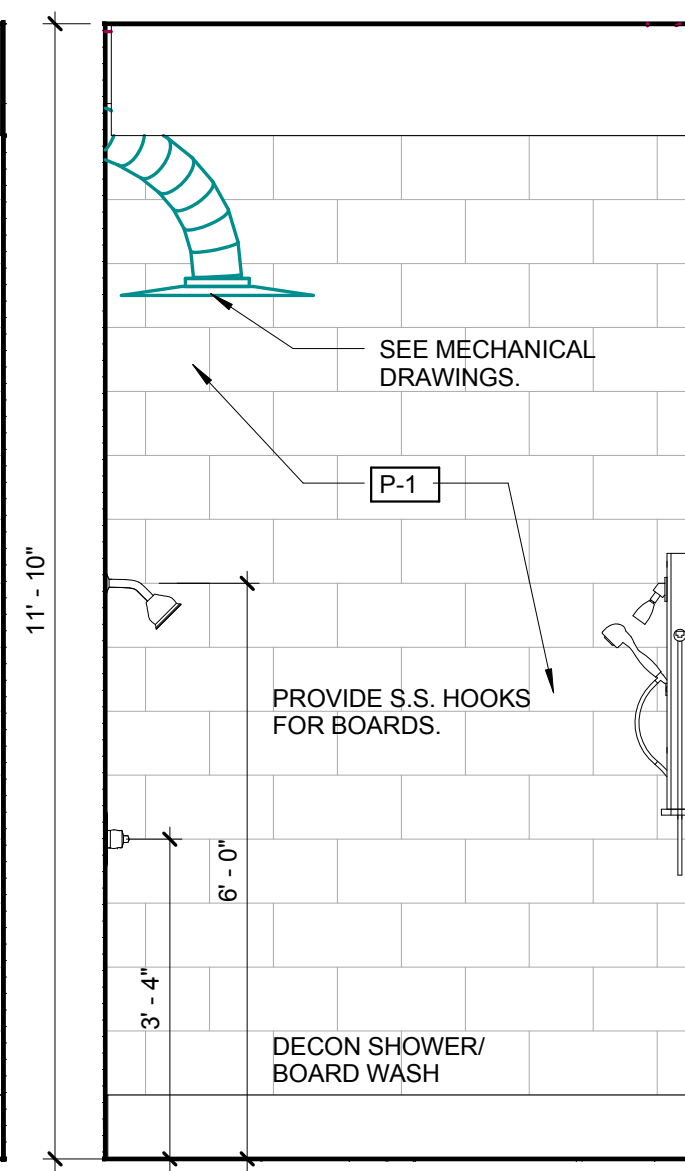
**1 DECON & LAUNDRY ENLARGED FLOOR PLANS**  
SCALE: 1/2" = 1'-0"



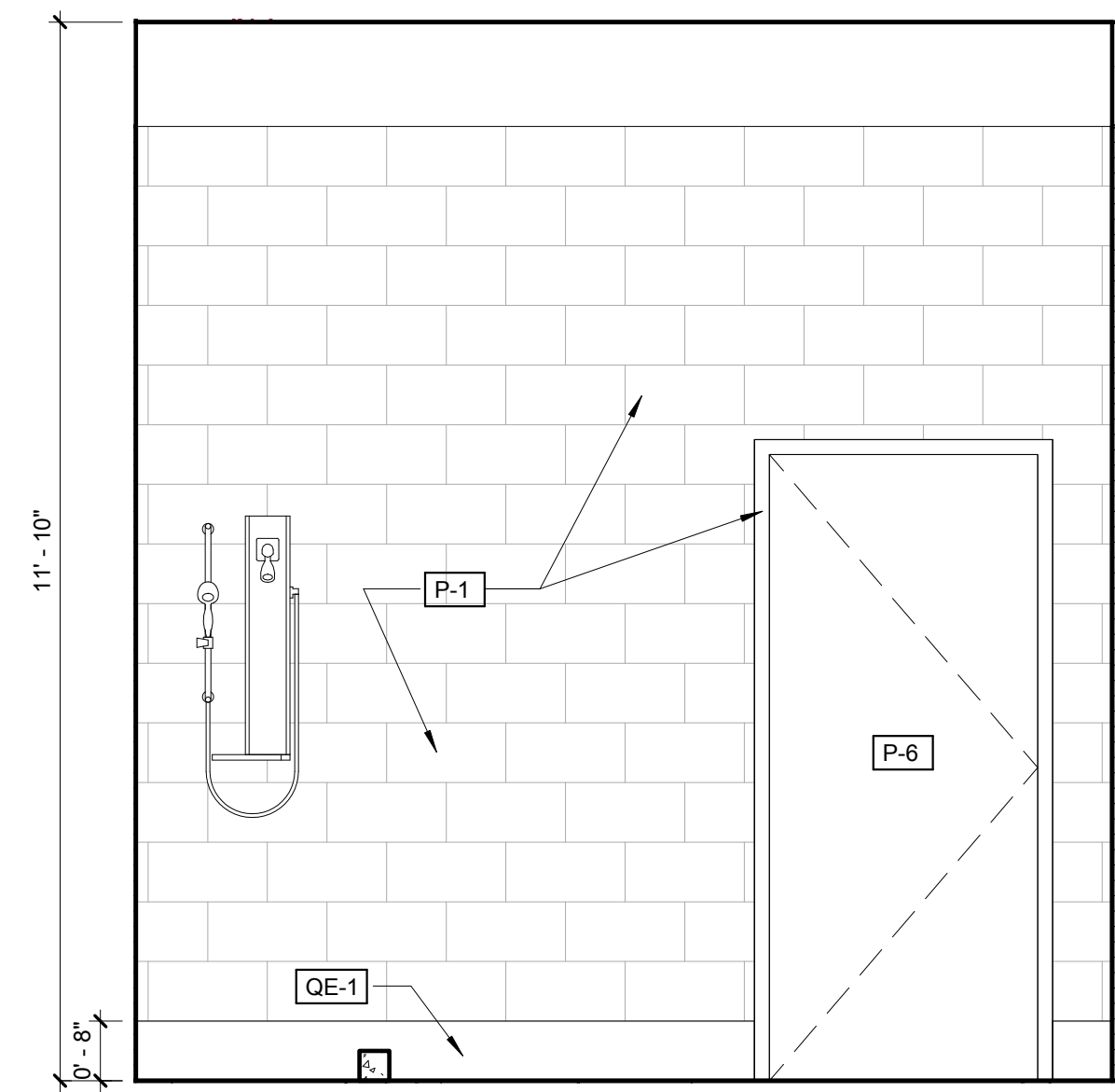
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SCALE: 1/2" = 1'-0"



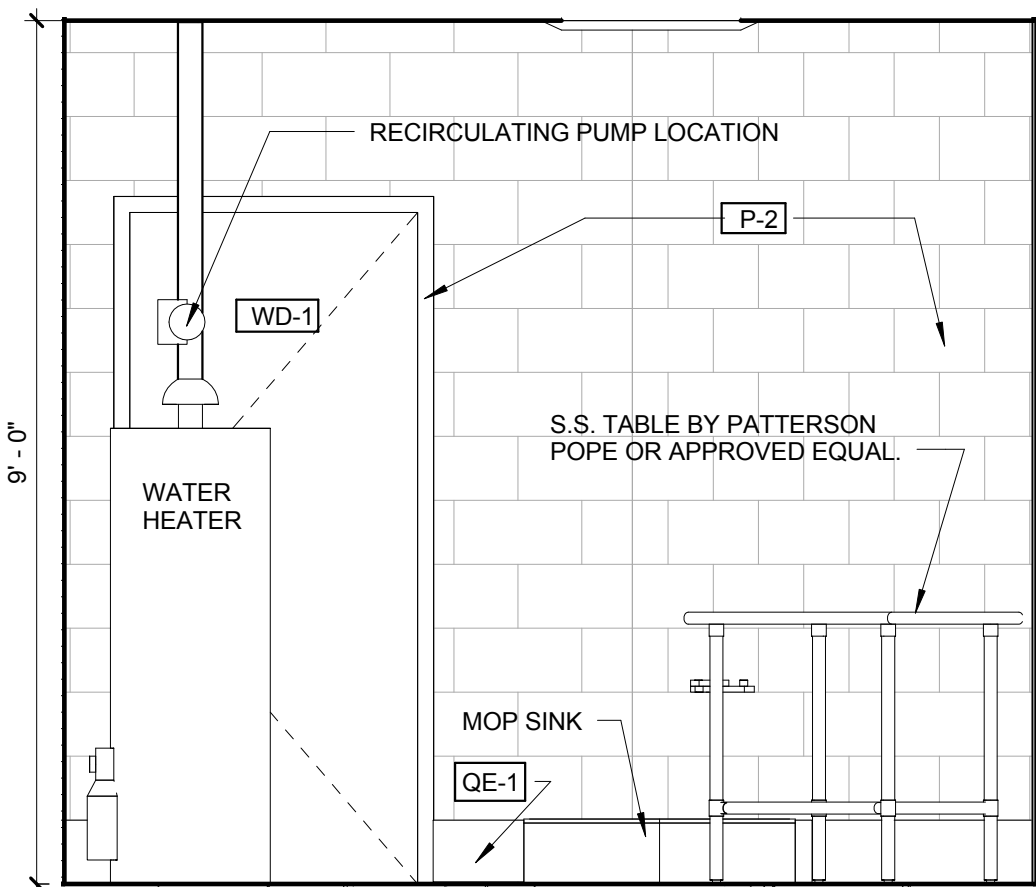
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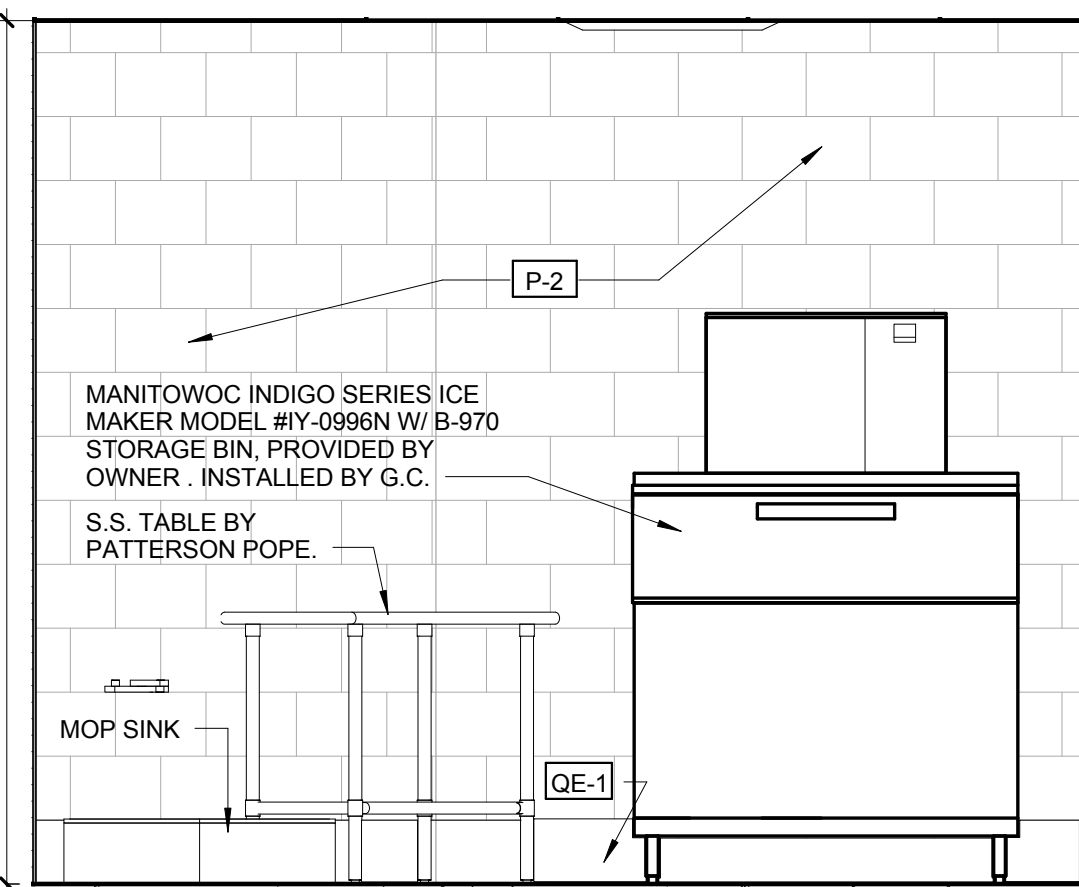
**DECON 18 INTERIOR ELEVATION 1C**  
SCALE: 1/2" = 1'-0"



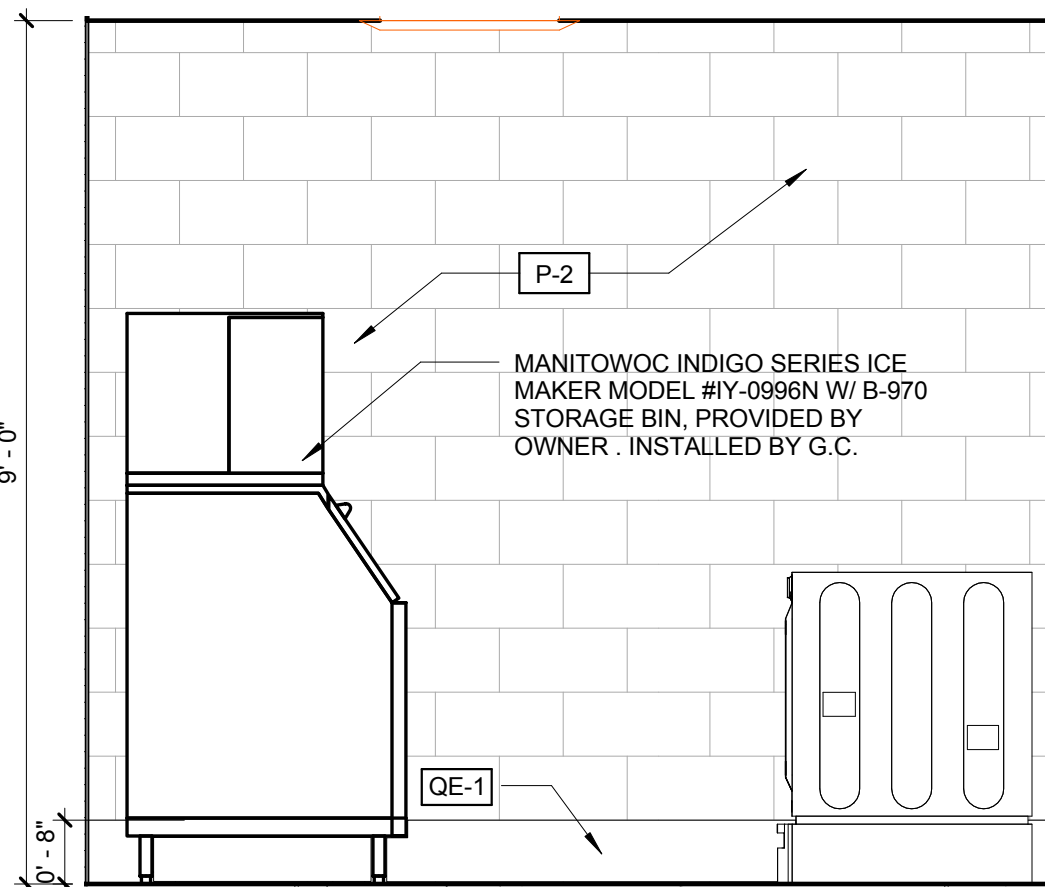
**DECON 18 INTERIOR ELEVATION 1D**  
SCALE: 1/2" = 1'-0"



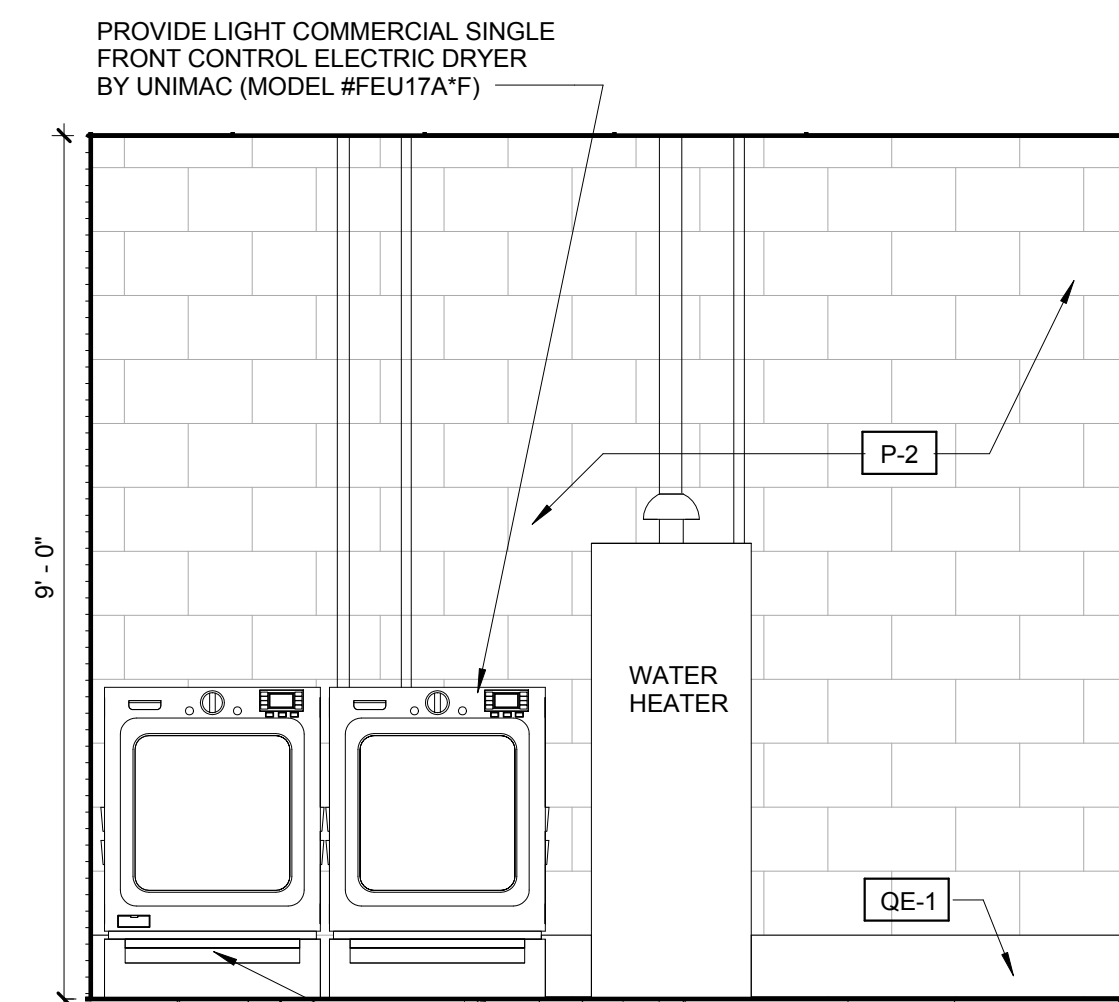
**LAUNDRY RM 17 INT. ELEVATION 1E**  
SCALE: 1/2" = 1'-0"



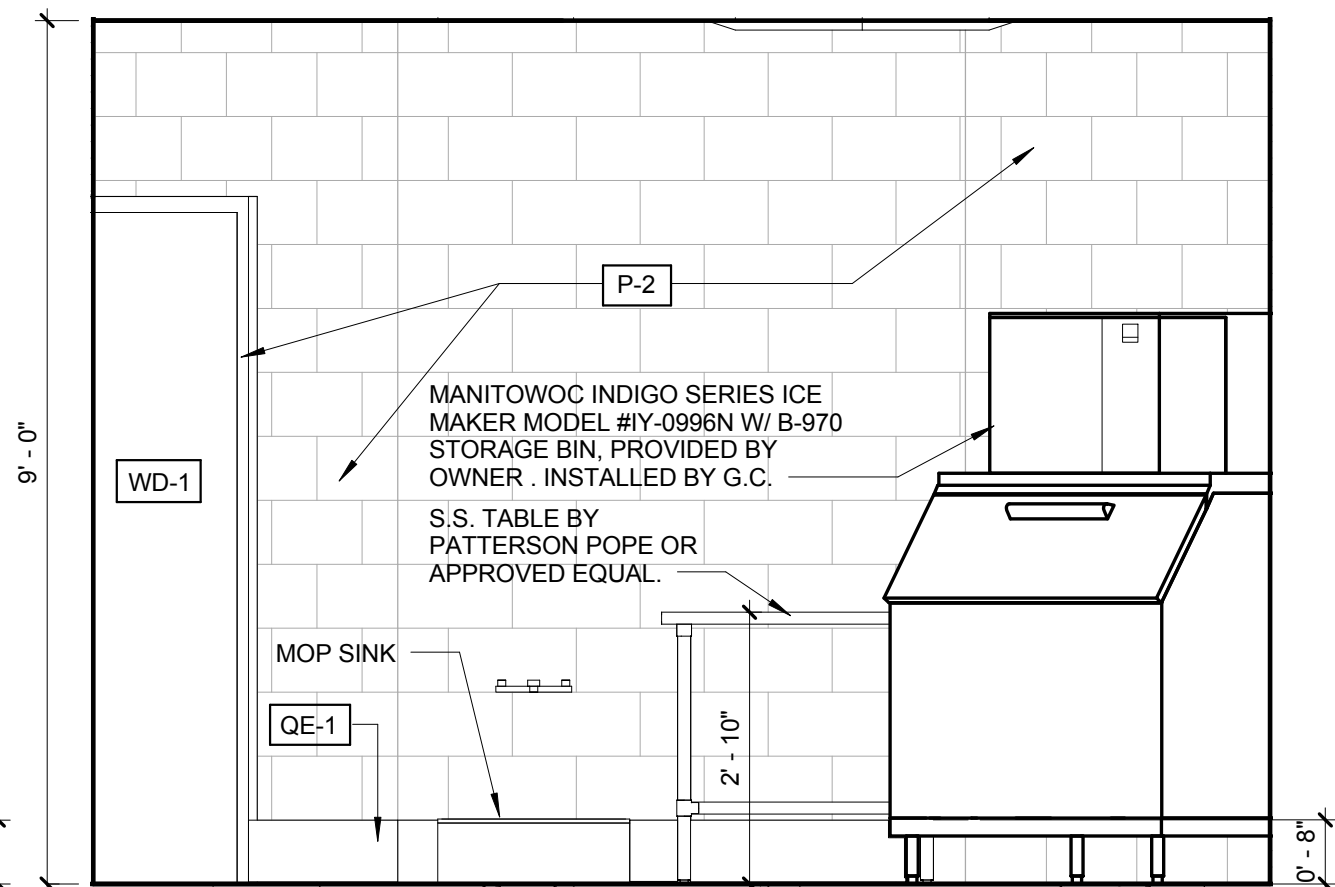
**LAUNDRY RM 17 INT. ELEVATION 1F**  
SCALE: 1/2" = 1'-0"



**LAUNDRY RM 17 INT. ELEVATION 1G**  
SCALE: 1/2" = 1'-0"



**LAUNDRY RM 17 INT. ELEVATION 1H**  
SCALE: 1/2" = 1'-0"



**LAUNDRY RM 17 INT. ELEVATION 1I**  
SCALE: 1/2" = 1'-0"

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0359  
AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Laundry Room Interior Elevations

DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

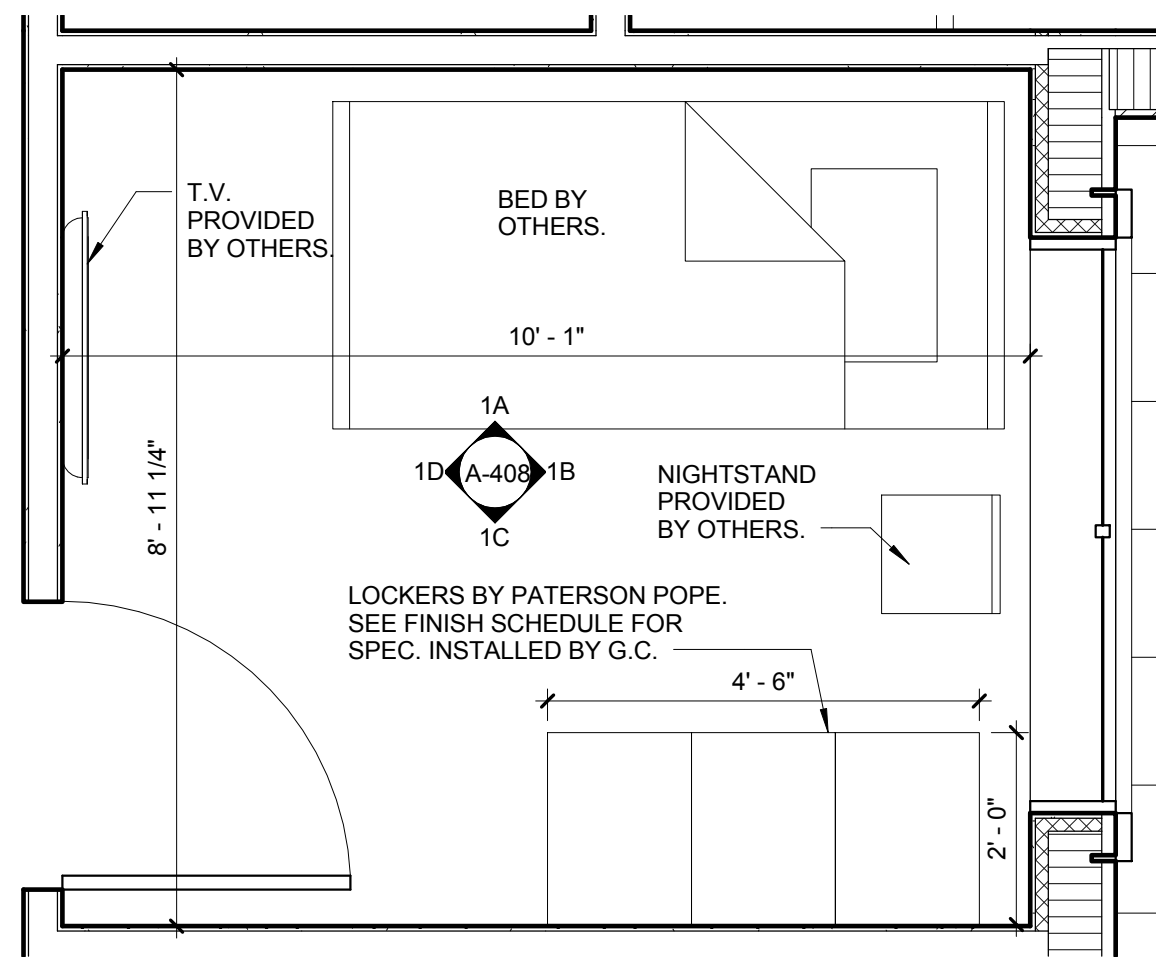
A-407

DATE:

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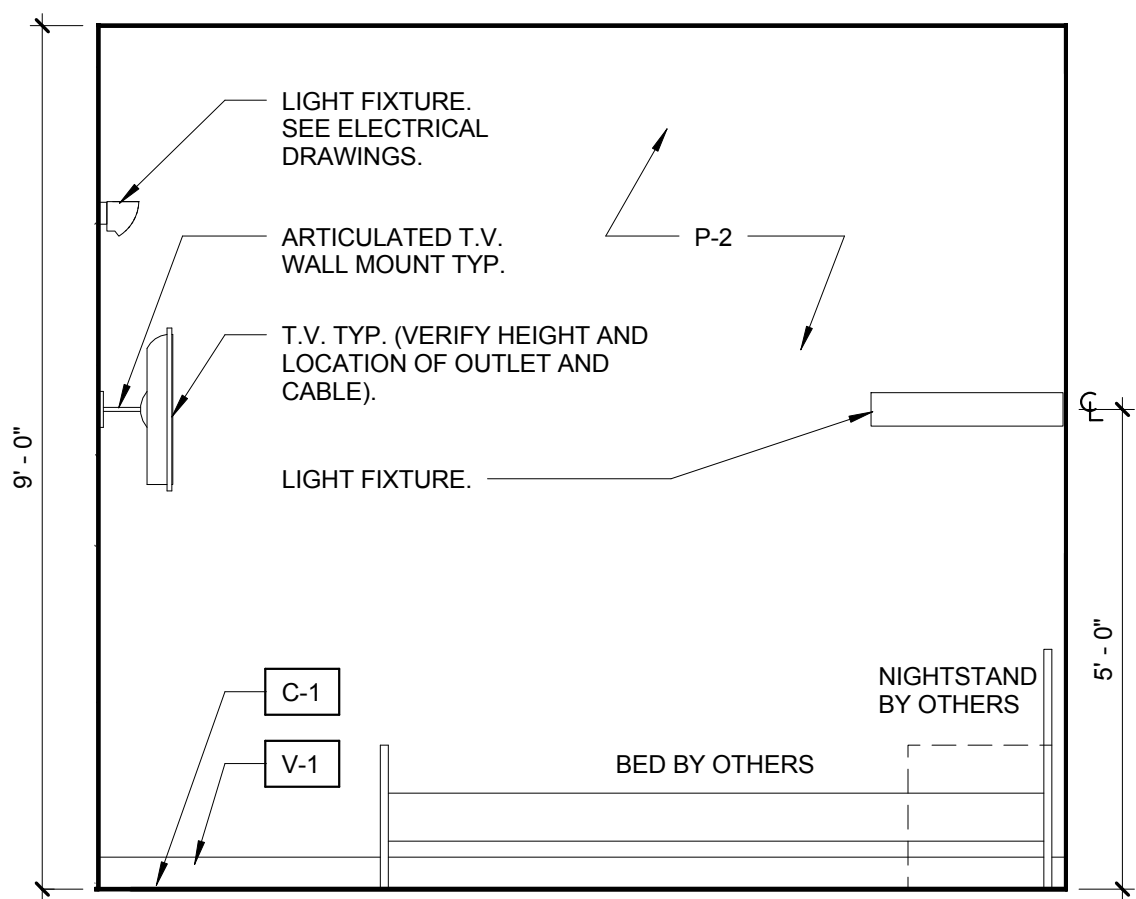
NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

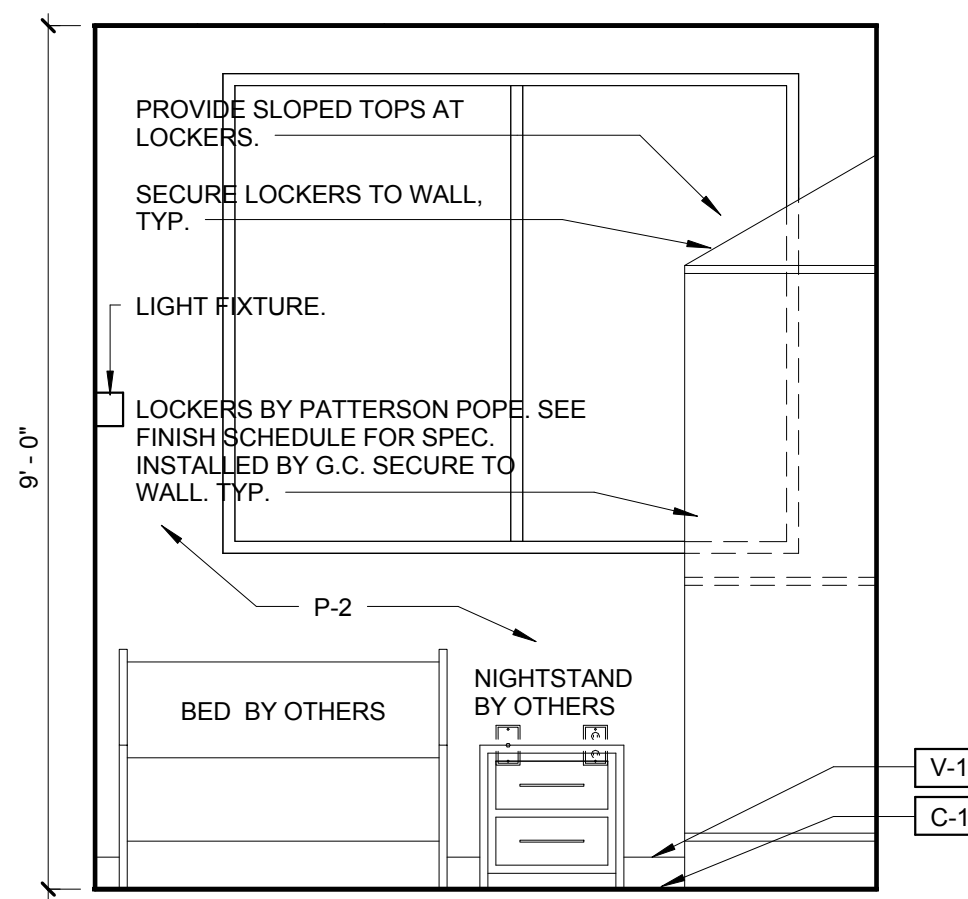


NOTE: SEE SOUND PROOFING DORM ROOM NOTE THIS SHEET FOR SOUND PROOFING. ALL DORM ROOMS, TYP.

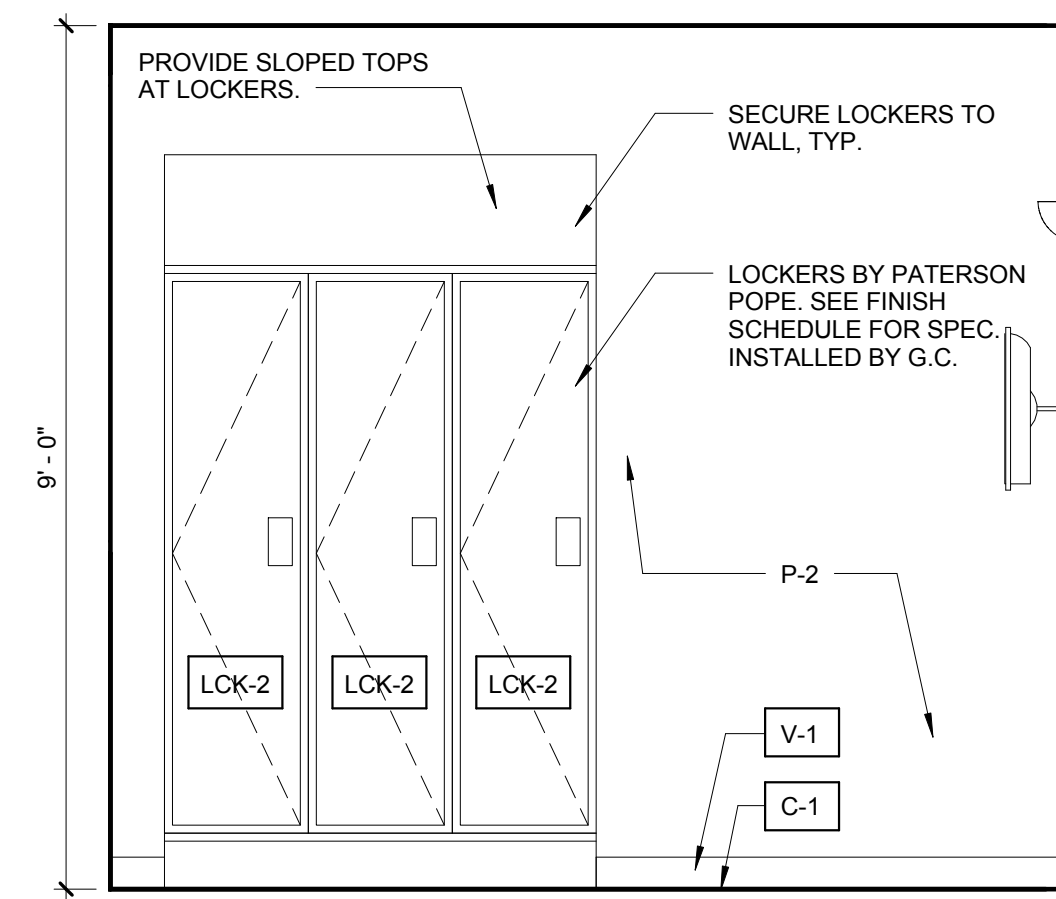
1  
A-408  
TYP. DORM ROOM ENLARGED PLAN  
SCALE: 1/2" = 1'-0"



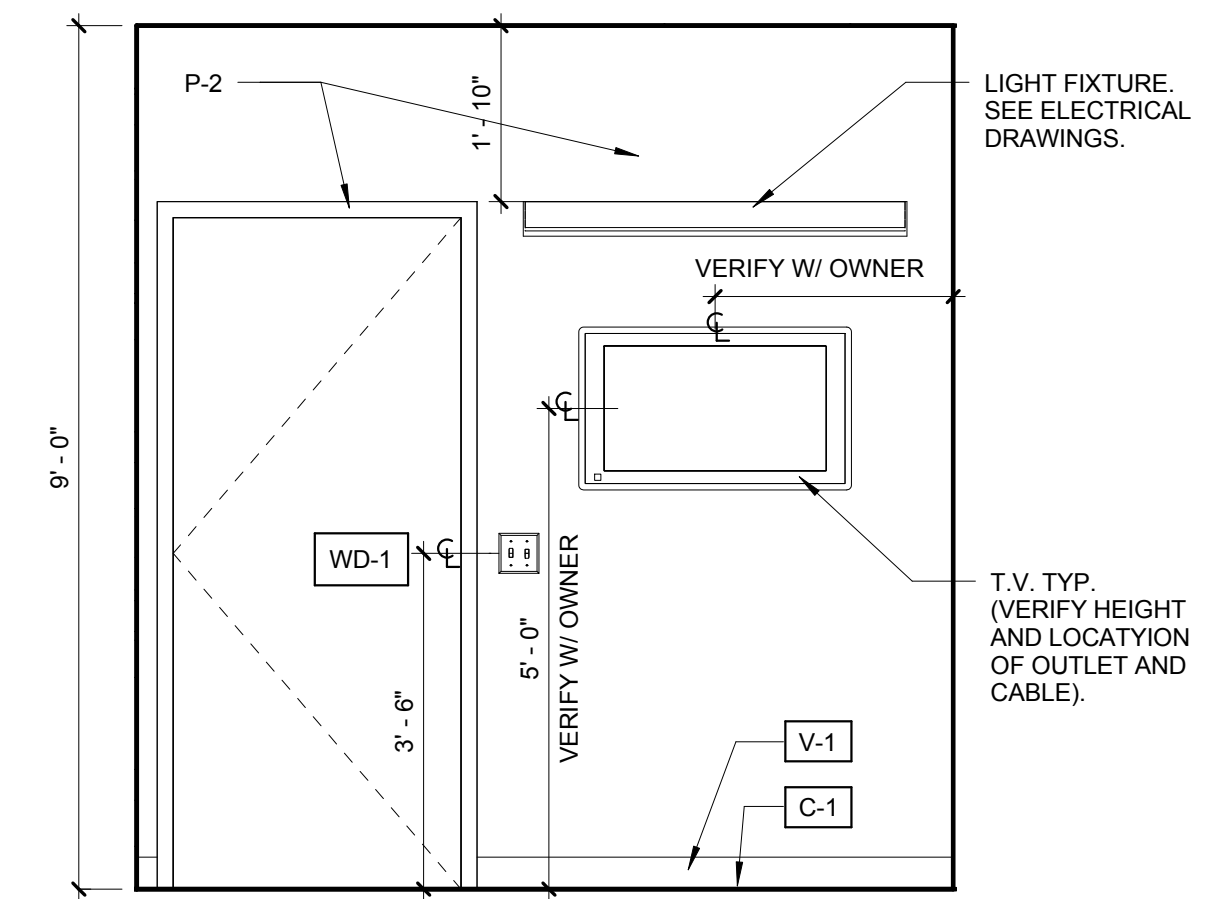
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SCALE: 1/2" = 1'-0"



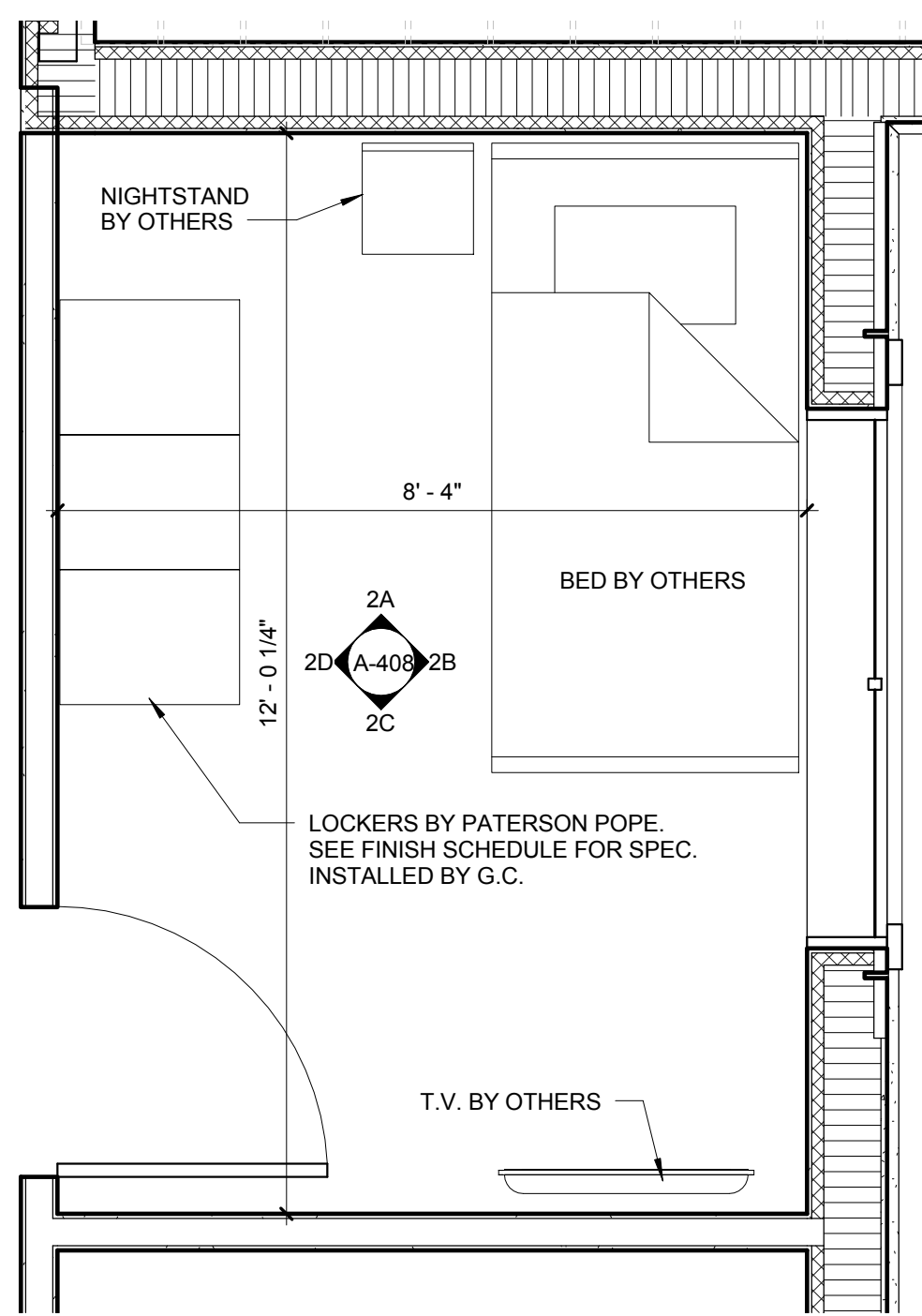
TYP. DORM ROOM INT. ELEVATION 1B  
SCALE: 1/2" = 1'-0"



TYP. DORM ROOM INT. ELEVATION 1C  
SCALE: 1/2" = 1'-0"

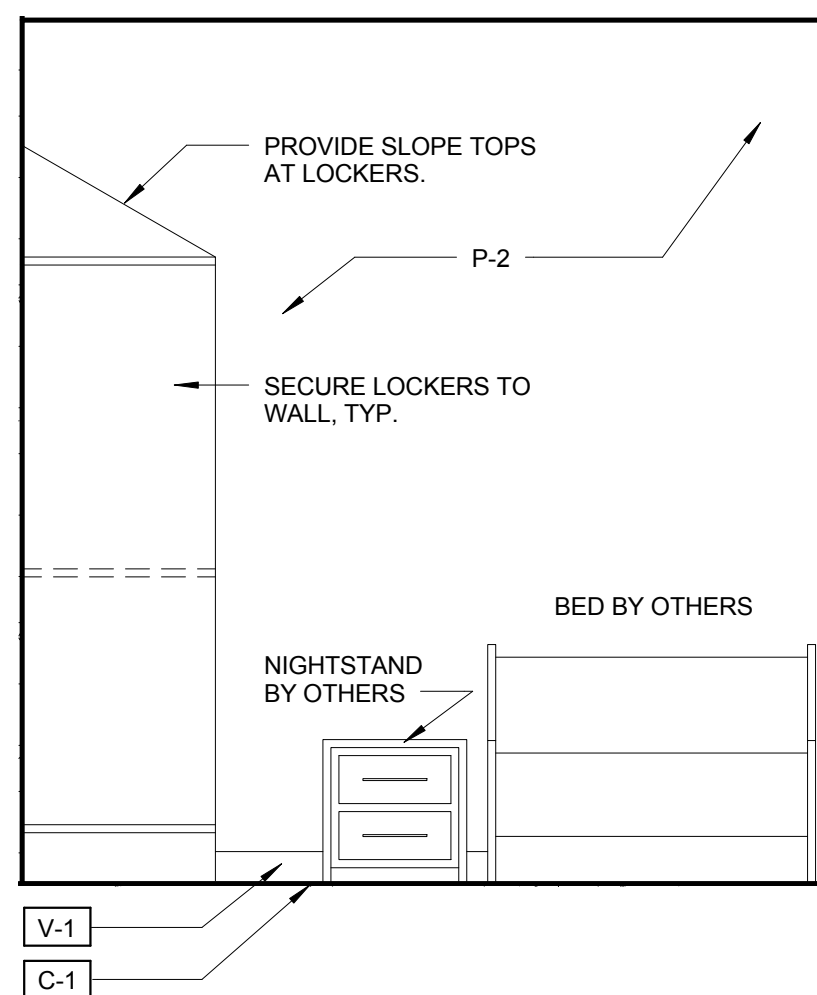


TYP. DORM ROOM INT. ELEVATION 1D  
SCALE: 1/2" = 1'-0"

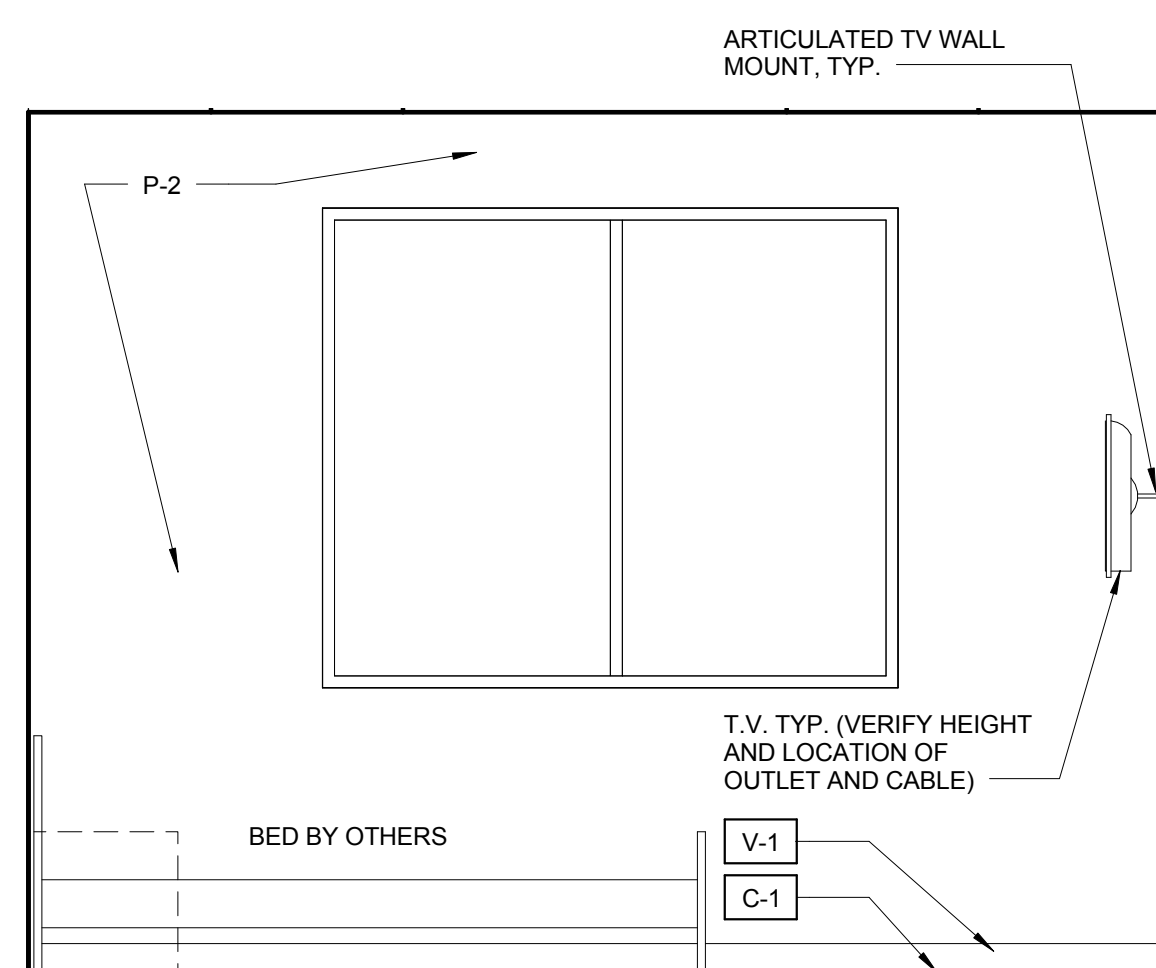


NOTE: SEE SOUND PROOFING DORM ROOM NOTE THIS SHEET FOR SOUND PROOFING. ALL DORM ROOMS, TYP.

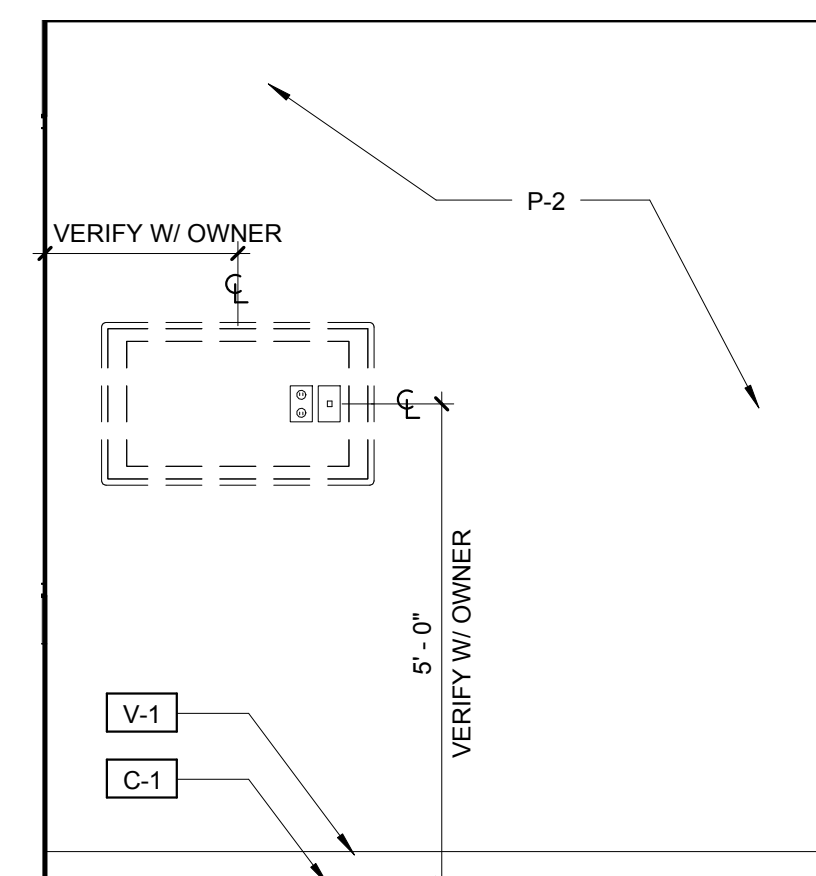
2  
A-408  
CAPTAIN'S DORM 06 ENLARGED PLAN  
SCALE: 1/2" = 1'-0"



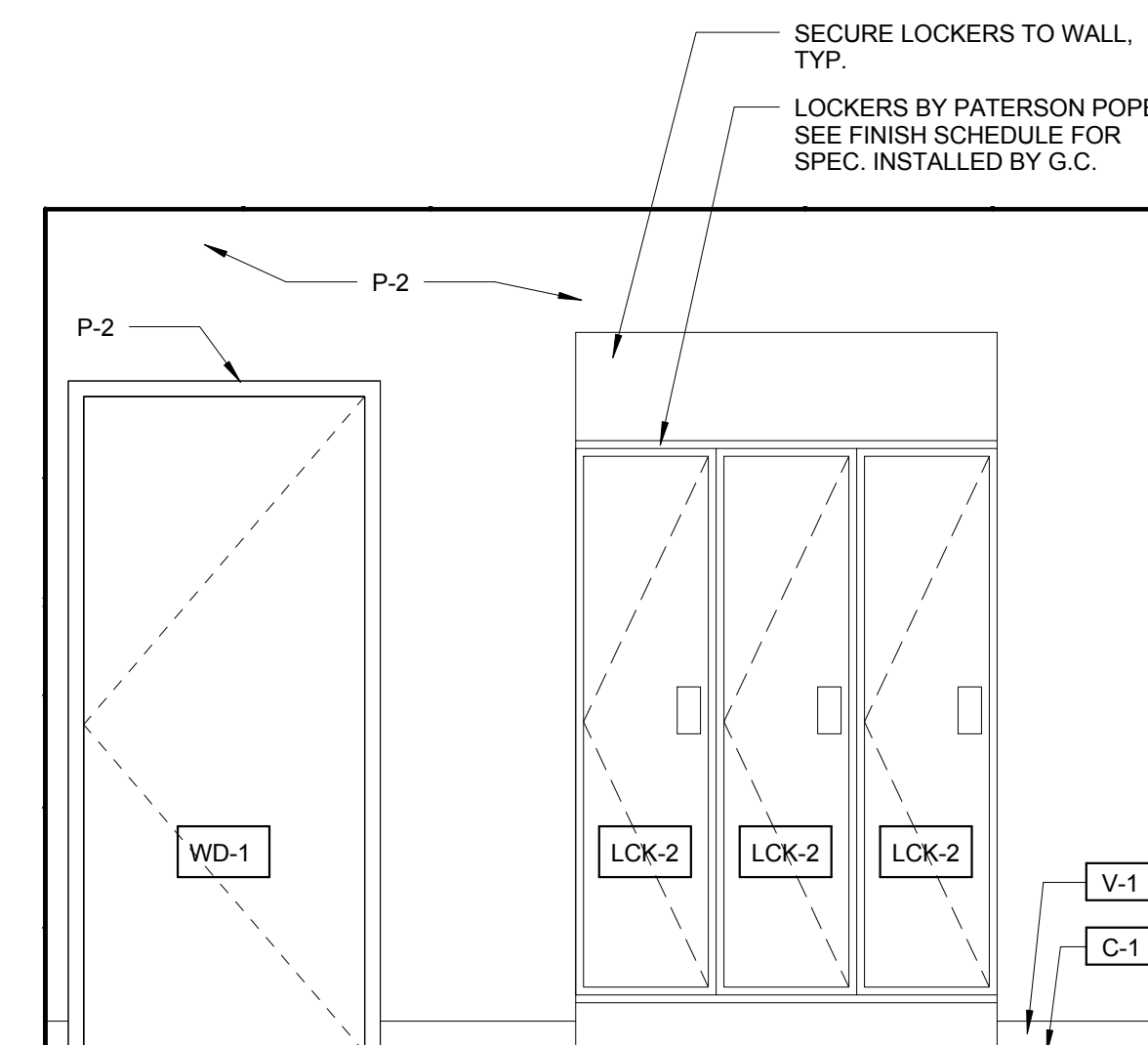
CAPTAIN'S DORM 06 INTERIOR ELEVATION 2A  
SCALE: 1/2" = 1'-0"



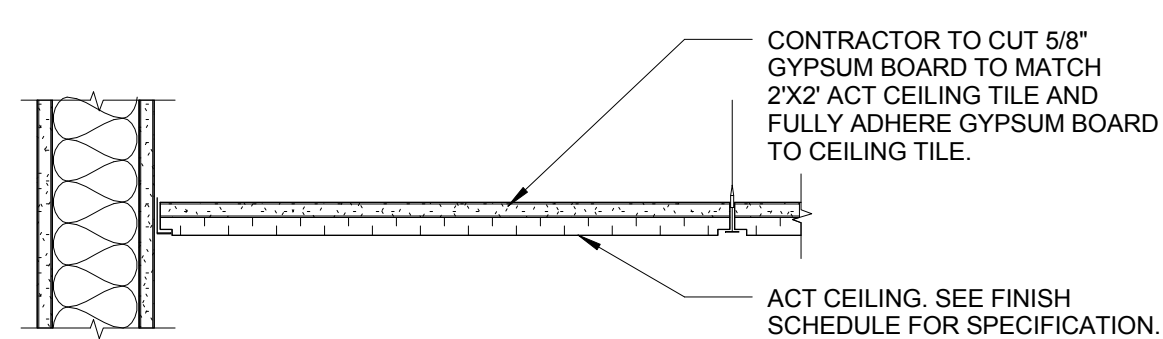
CAPTAIN'S DORM 06 INTERIOR ELEVATION 2B  
SCALE: 1/2" = 1'-0"



CAPTAIN'S DORM 06 INTERIOR ELEVATION 2C  
SCALE: 1/2" = 1'-0"



CAPTAIN'S DORM 06 INTERIOR ELEVATION 2D  
SCALE: 1/2" = 1'-0"



3  
A-408  
TYPICAL DORM ROOM ACOUSTICAL CEILING TILE DETAIL  
SCALE: 1 1/2" = 1'-0"

**SOUND PROOFING DORM ROOM NOTE:**

CONTRACTOR TO CAULK AND SEAL ALL PENETRATIONS THROUGH WALLS. CAULK AND SEAL WHERE DRYWALL MEETS CONCRETE FLOOR. CAULK AND SEAL AROUND MUD RINGS AND ELECTRICAL OUTLET BOXES. USE ONLY ACOUSTICAL CAULK (TYP.) INSTALL ACOUSTICAL DOOR BOTTOM AND ACOUSTICAL PERIMETER SEAL.

SURFACE MOUNTED ACOUSTICAL AUTOMATIC DOOR BOTTOM BY PEMKO: MODEL # PD134131\_E FINISH TO BE CLEAR ANNOIDIZED.

FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WEST BOWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233  
FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM  
AN 15200068



DRAWING TITLE:

Dorm/Capt. Dorm Room Interior Elevations

DRAWN: Author

CHECKED: Checker

DATE: 07-25-2014

SCALE: As Indicated

PROJECT NO. 1220D

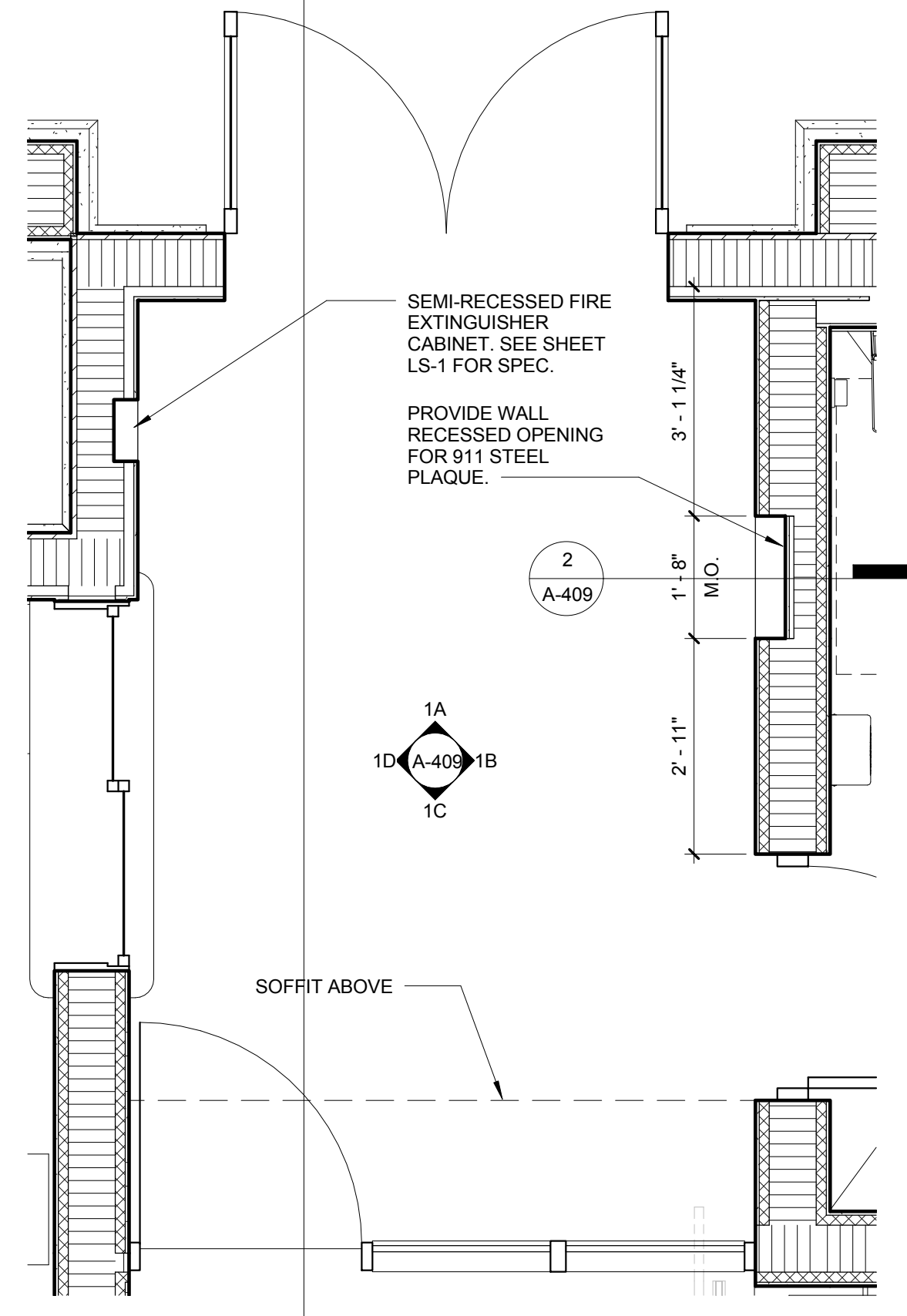
SHEET:

A-408

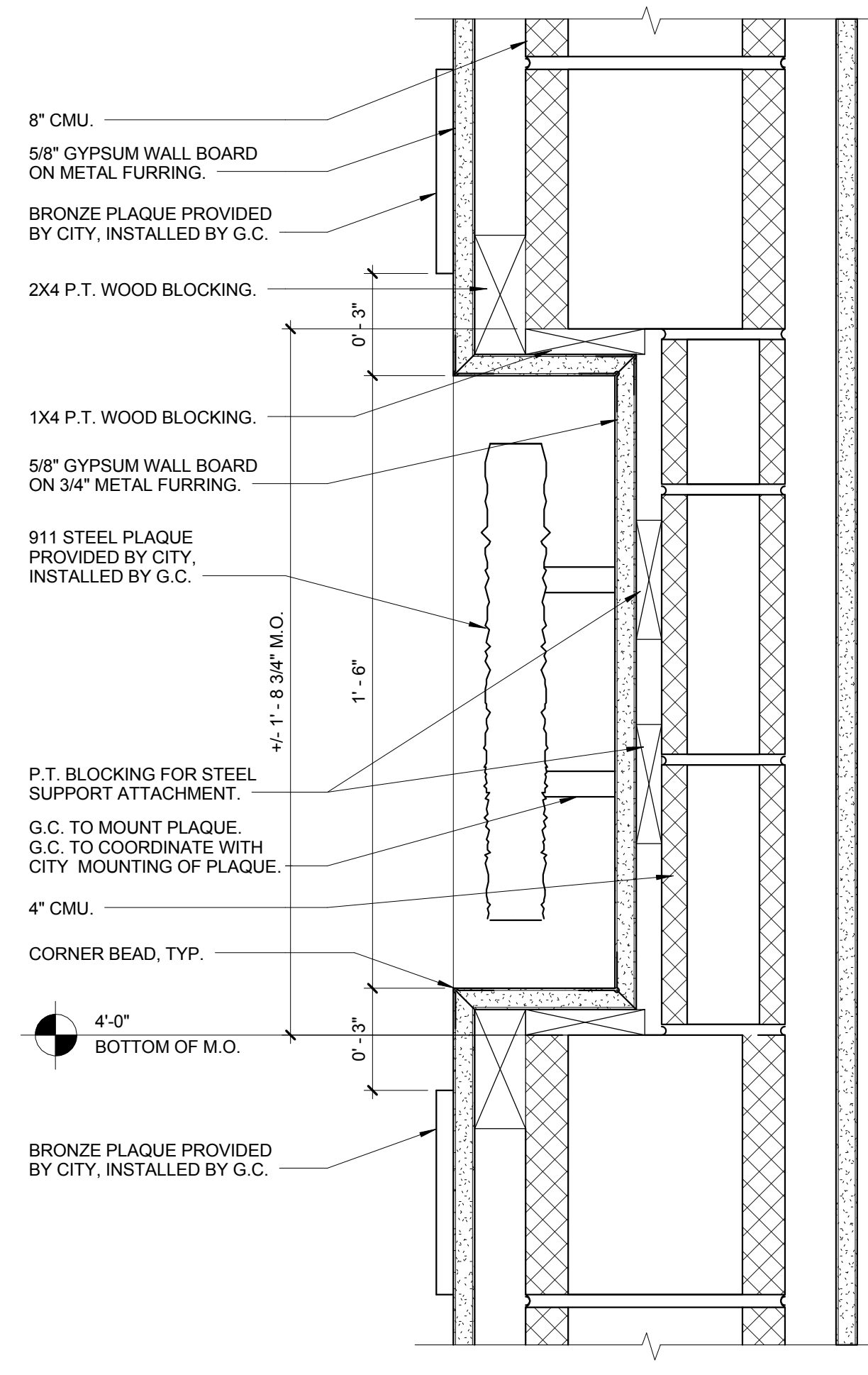
CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

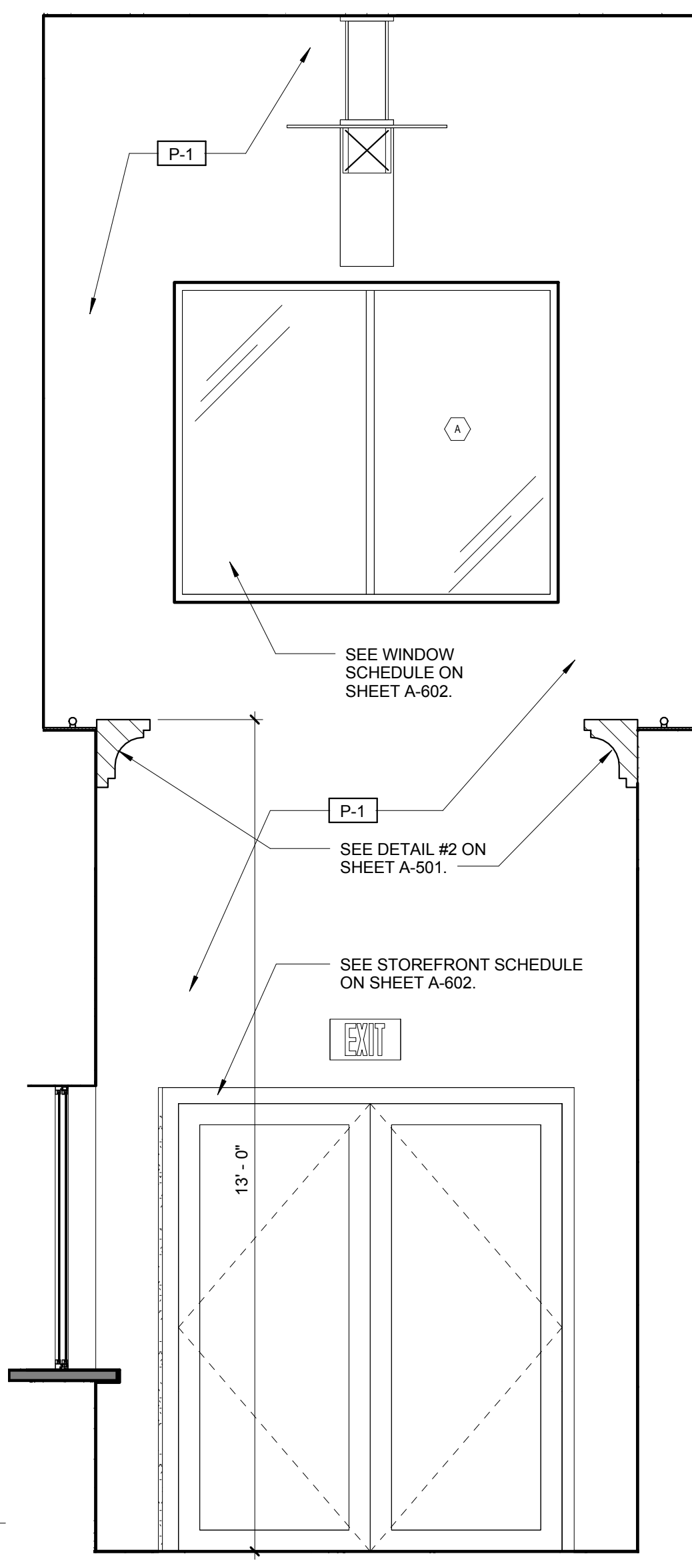
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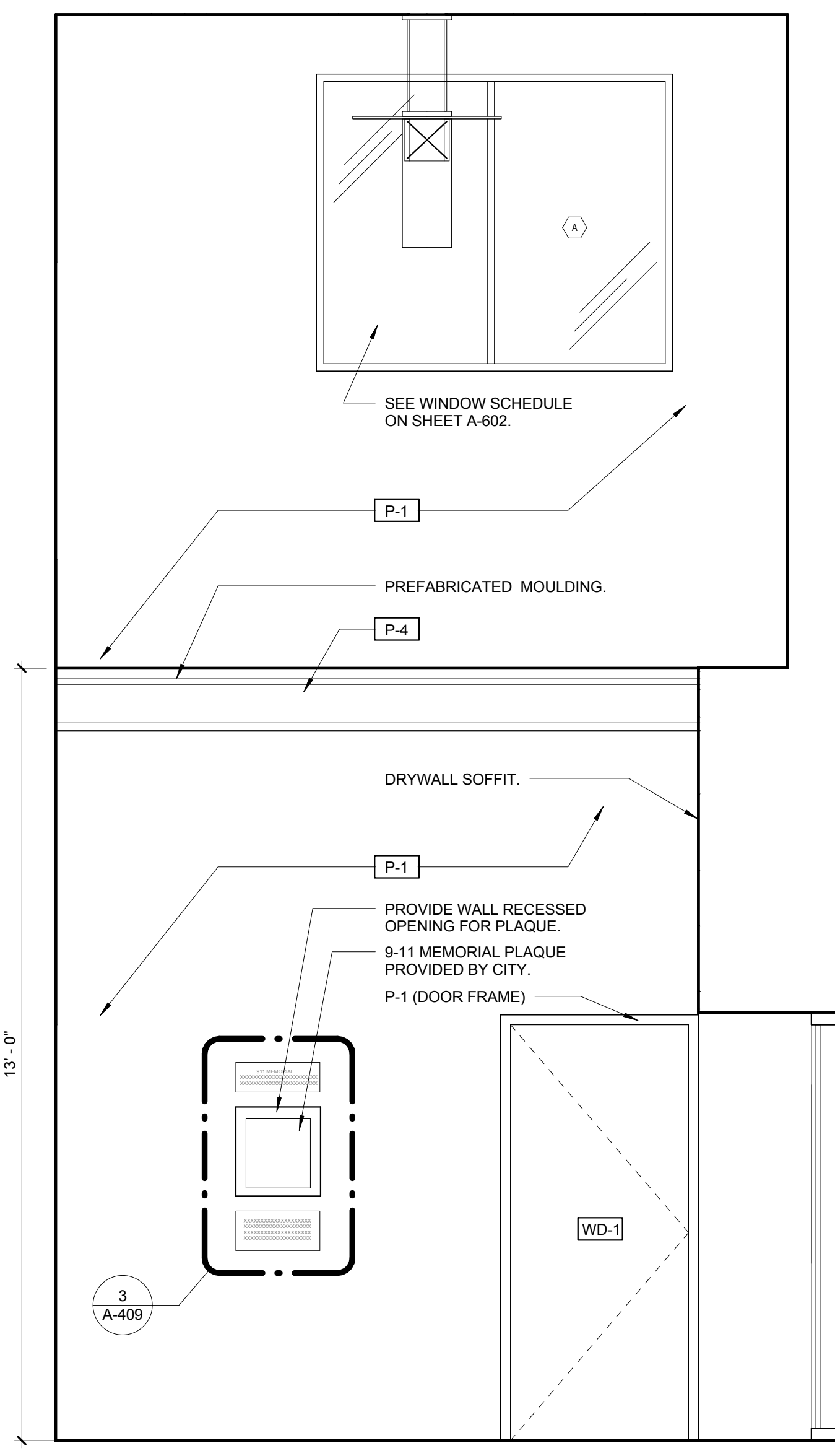
1 VESTIBULE 01 ENLARGED PLAN  
A-409 SCALE: 1/2" = 1'-0"



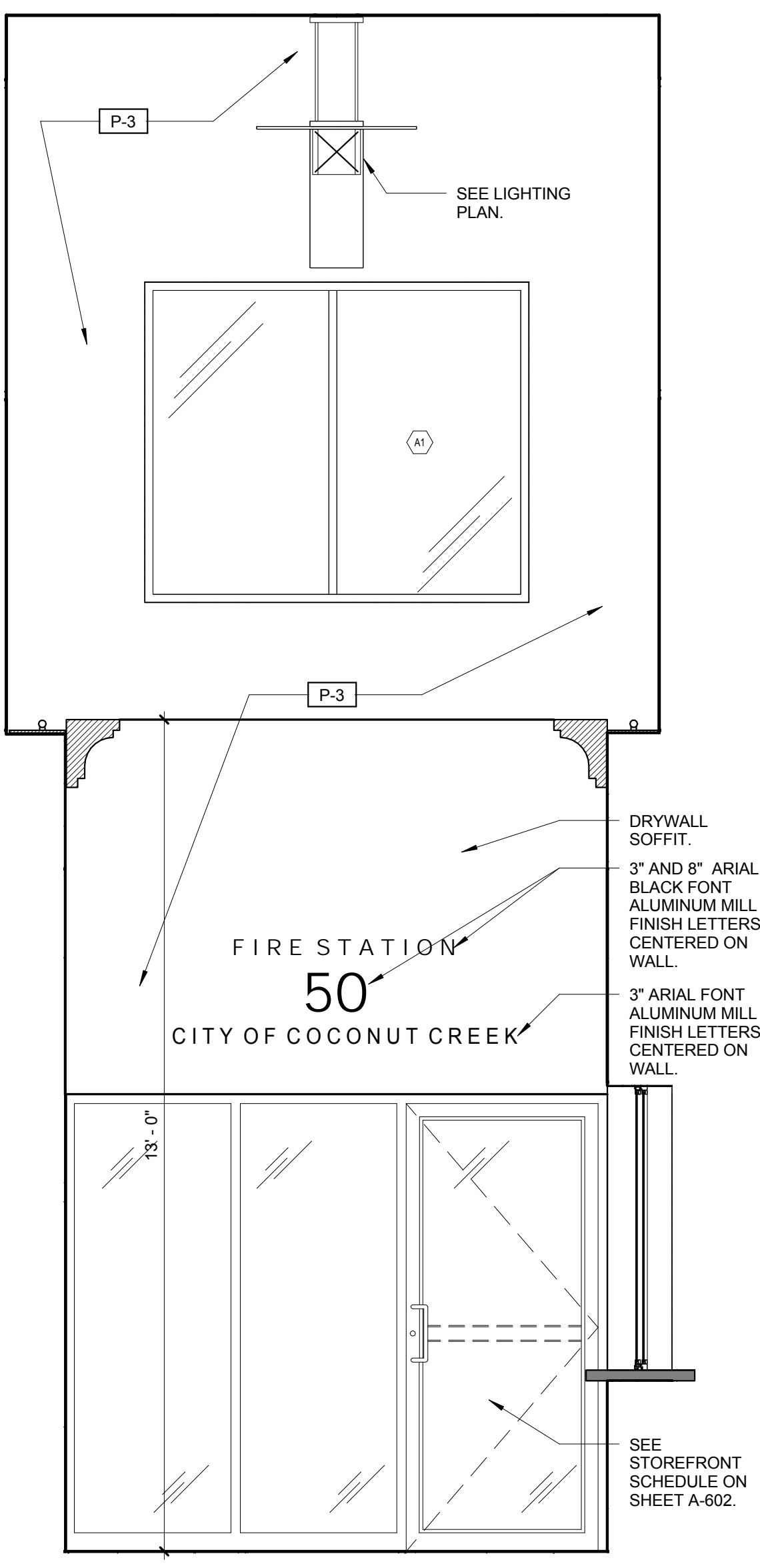
2 911 MEMORIAL PLAQUE DETAIL SECTION  
A-409 SCALE: 3/8" = 1'-0"



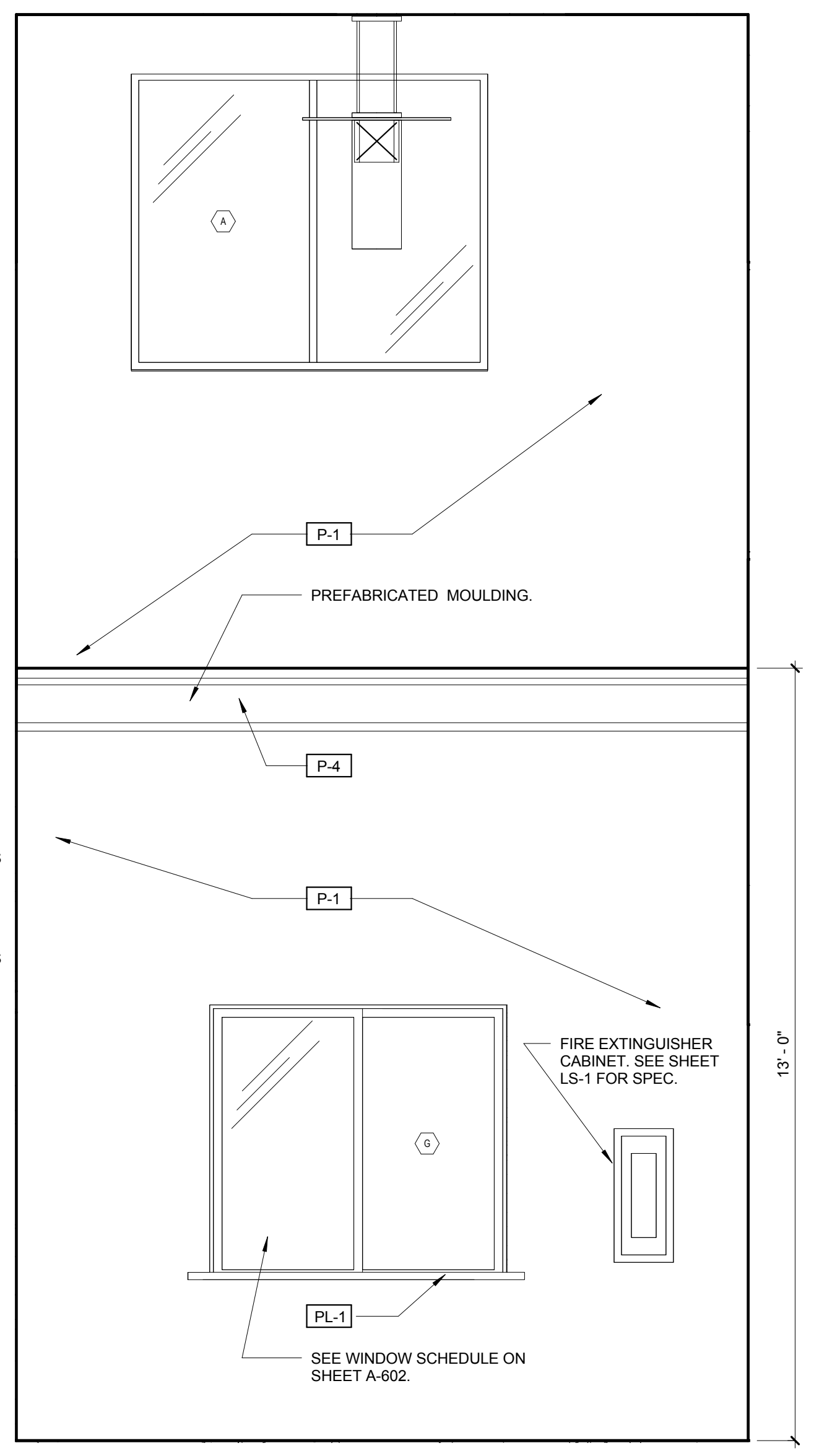
VESTIBULE 01 INTERIOR ELEVATION 1A  
SCALE: 1/2" = 1'-0"



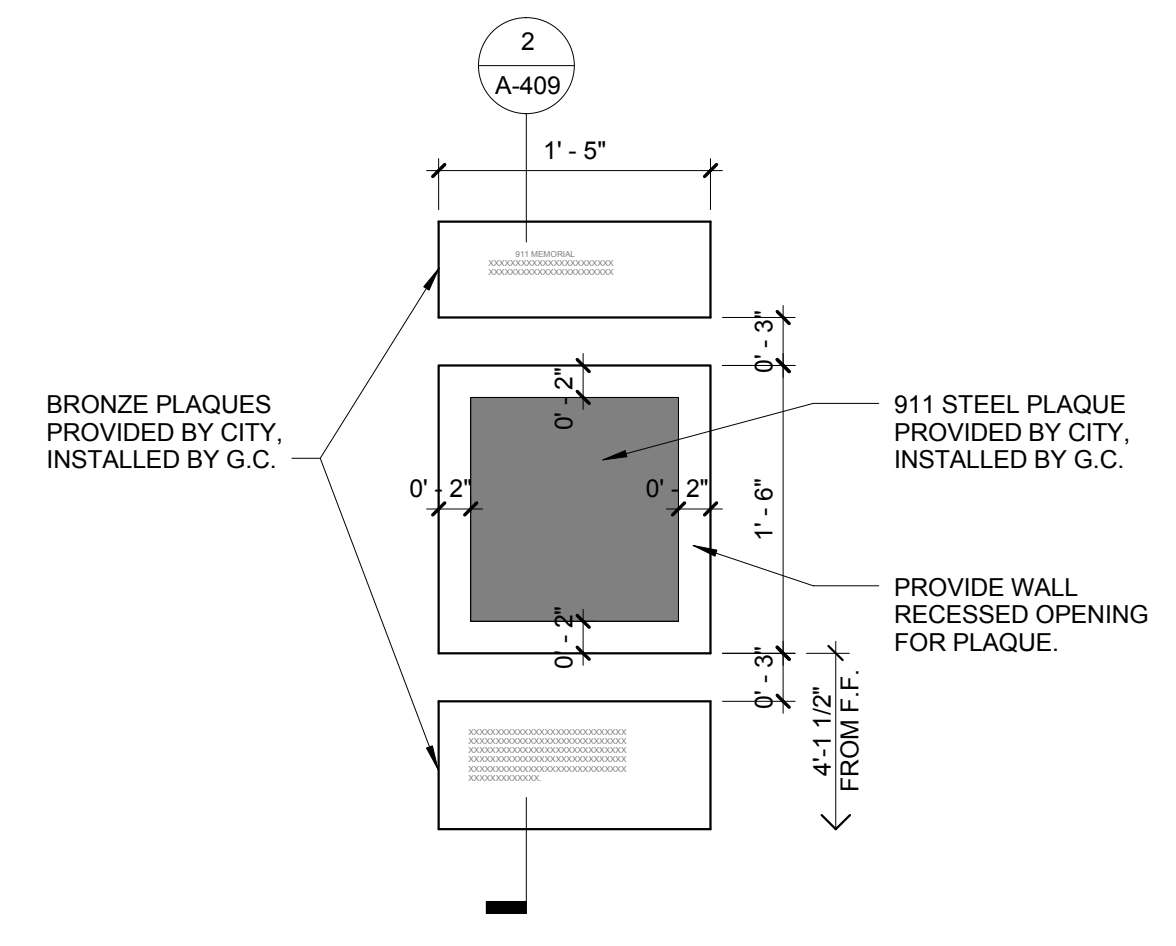
VESTIBULE 01 INTERIOR ELEVATION 1B  
SCALE: 1/2" = 1'-0"



VESTIBULE 01 INTERIOR ELEVATION 1C  
SCALE: 1/2" = 1'-0"



VESTIBULE 01 INTERIOR ELEVATION 1D  
SCALE: 1/2" = 1'-0"



3 911 MEMORIAL PLAQUE DETAIL  
A-409 SCALE: 1" = 1'-0"

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

CPZ ARCHITECTS, INC.  
 4316 WESTBROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 922-8222 FAX: (954) 337-0359  
 WWW.CPZARCHITECTS.COM  
 FIRE STATION 50  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:

Vestibule Interior Elevations

DRAWN: CG  
 CHECKED: CPZ  
 DATE: 07-25-2014  
 SCALE: As Indicated  
 PROJECT NO. 1220D  
 SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

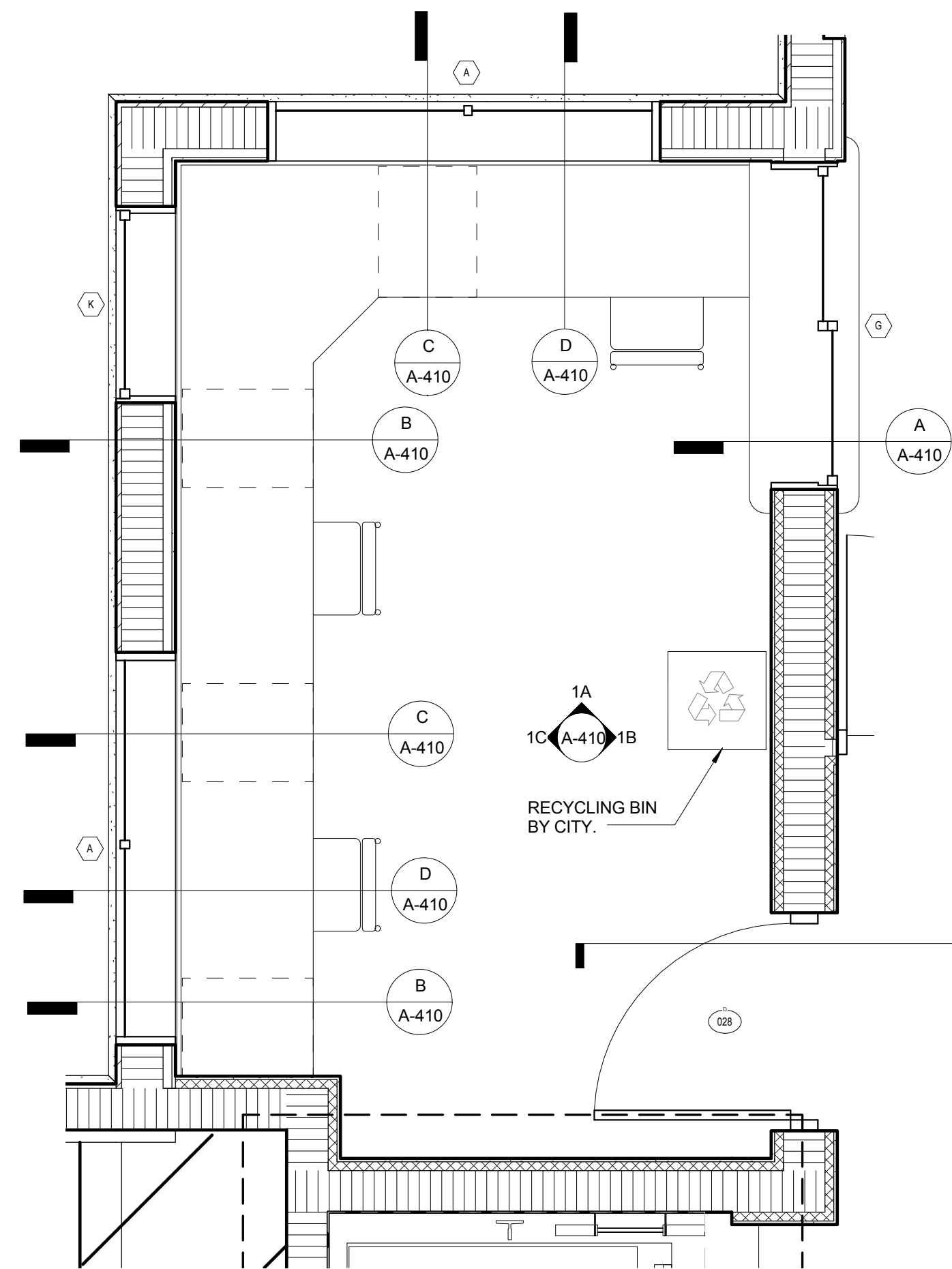
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DATE:

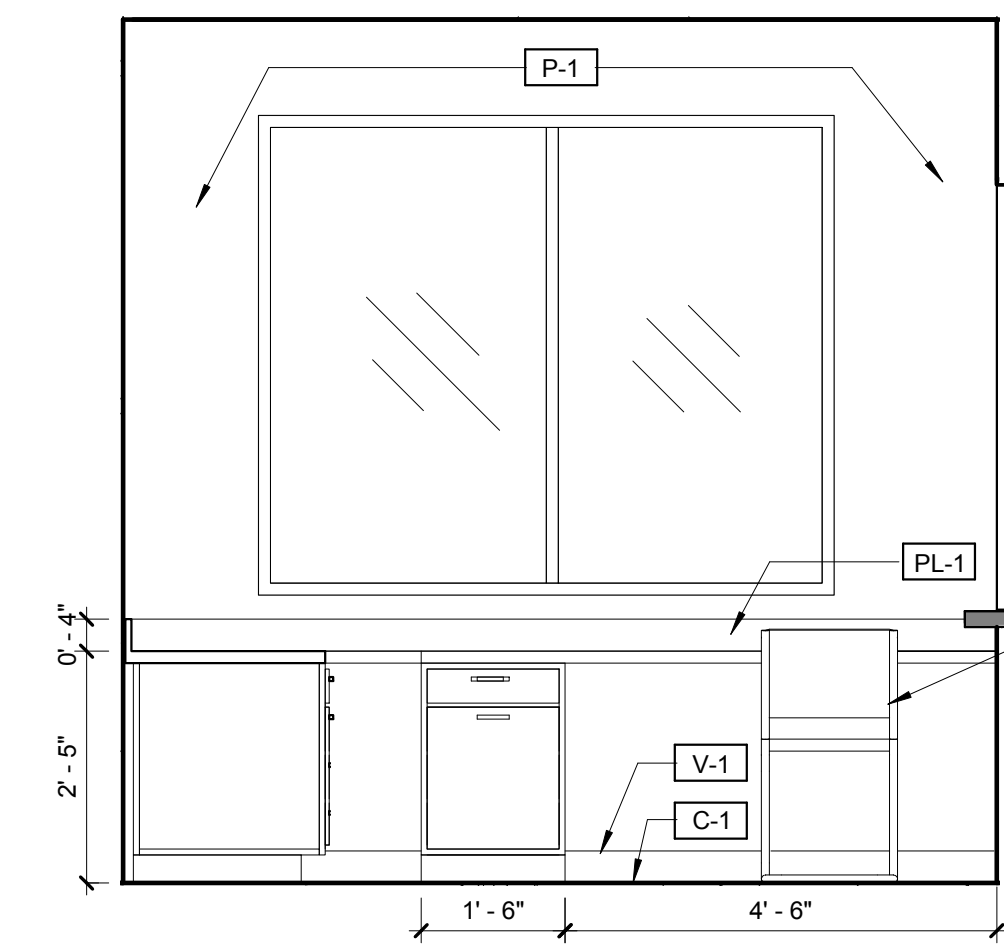
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NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	08-04-14
3	ADDENDUM #1	08-04-14

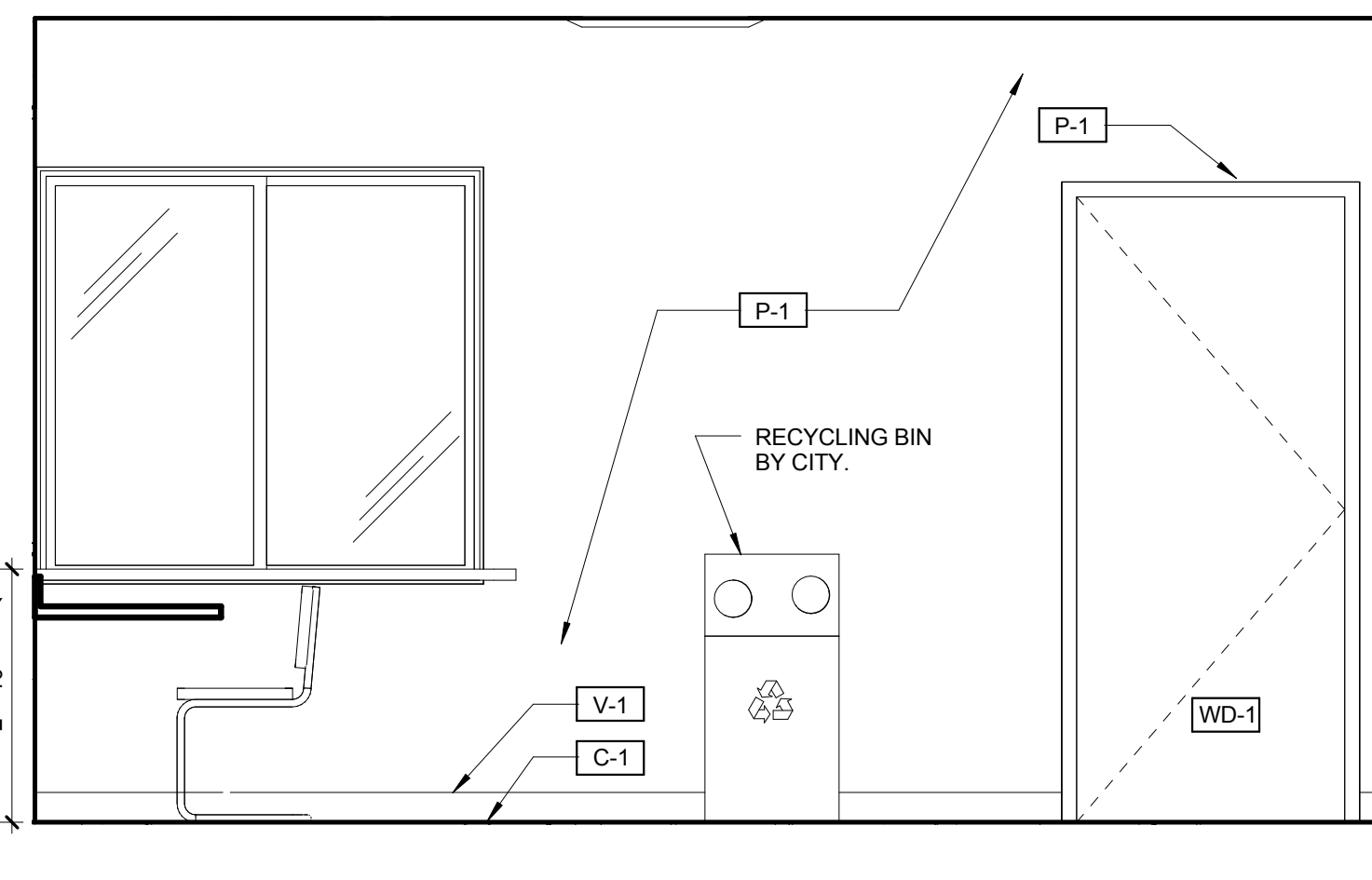
CONSULTANT:



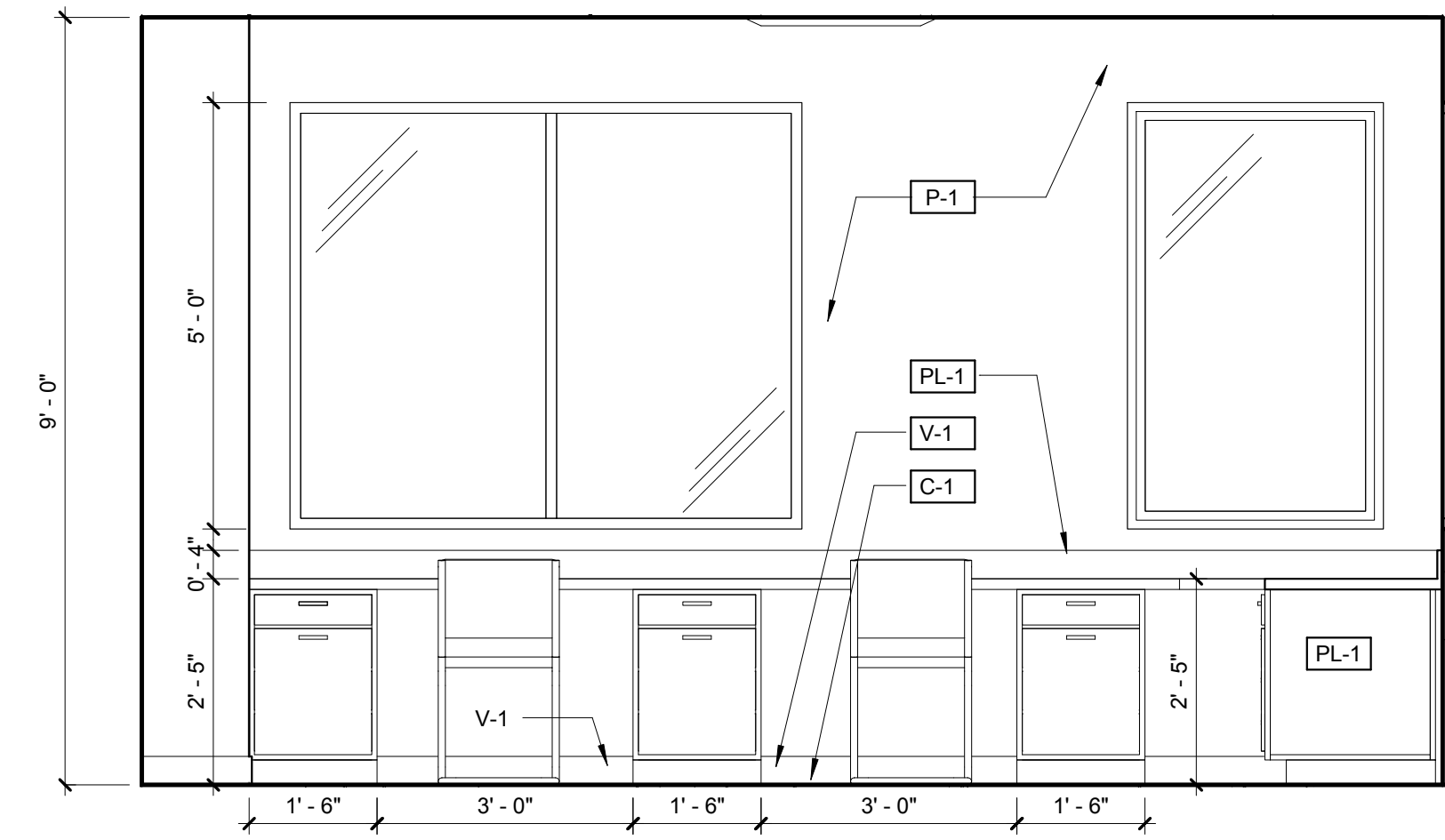
**I WATCH ROOM 26 ENLARGED PLAN**  
A-410 SCALE: 1/2" = 1'-0"



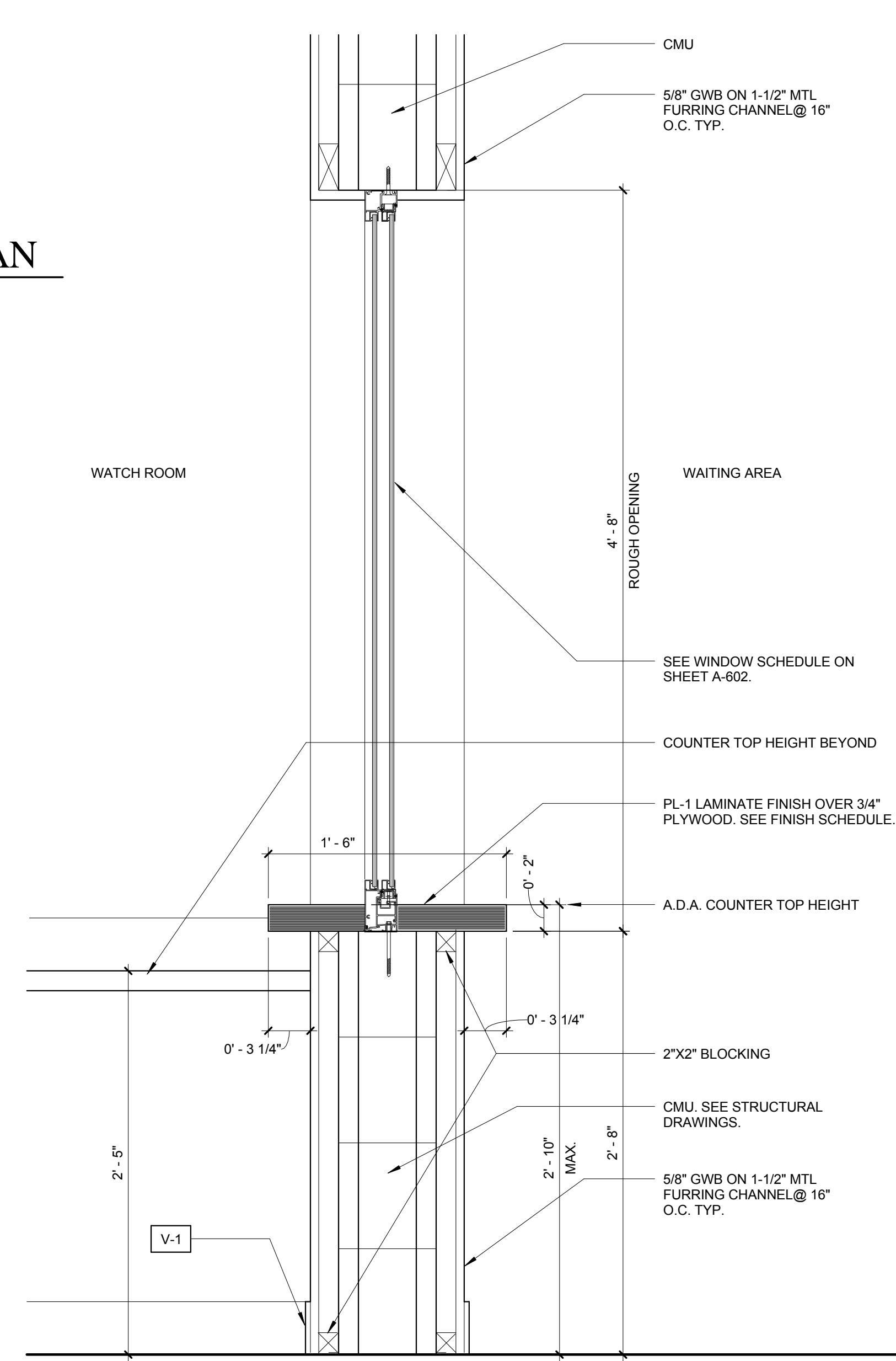
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SCALE: 1/2" = 1'-0"



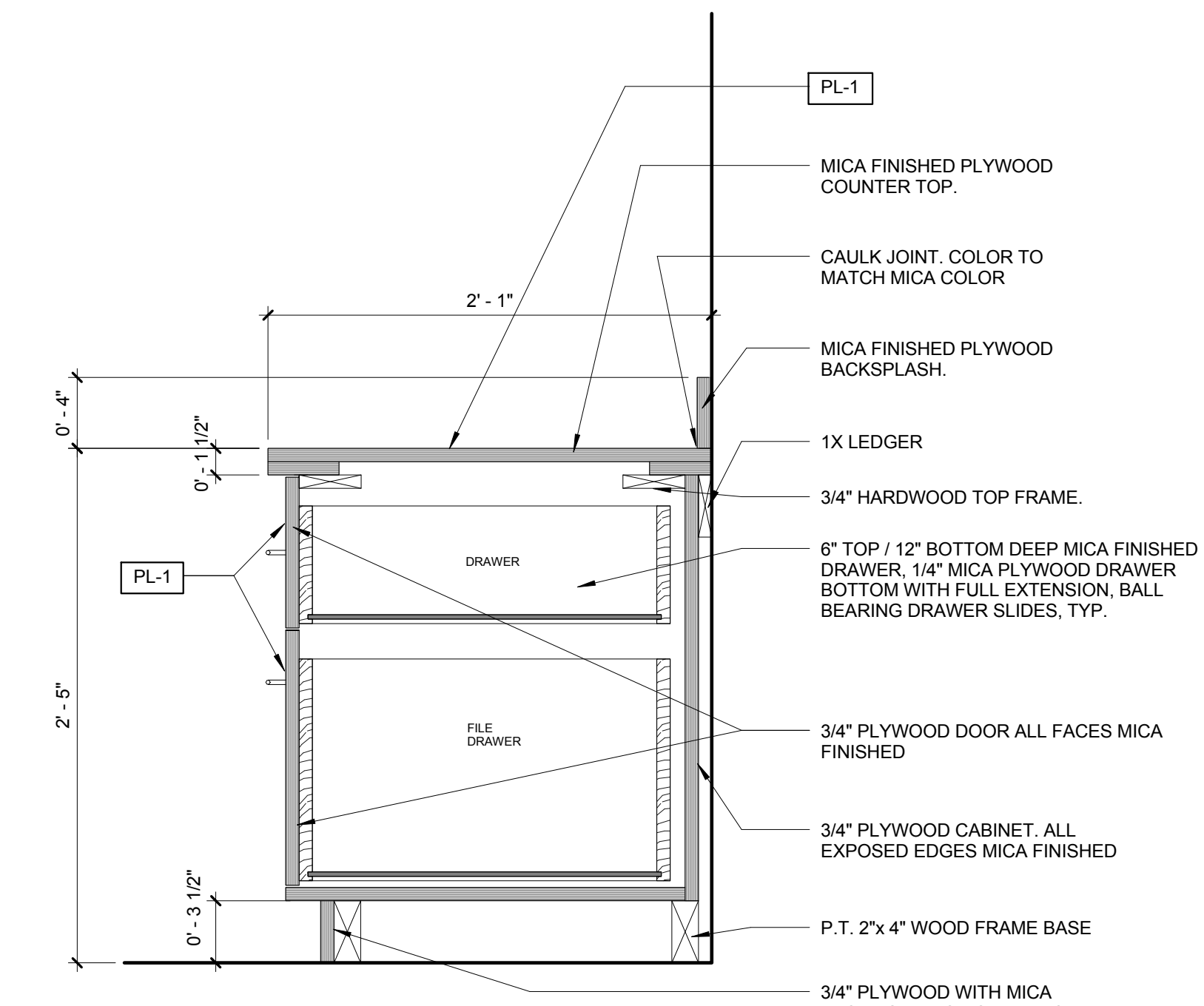
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SCALE: 1/2" = 1'-0"



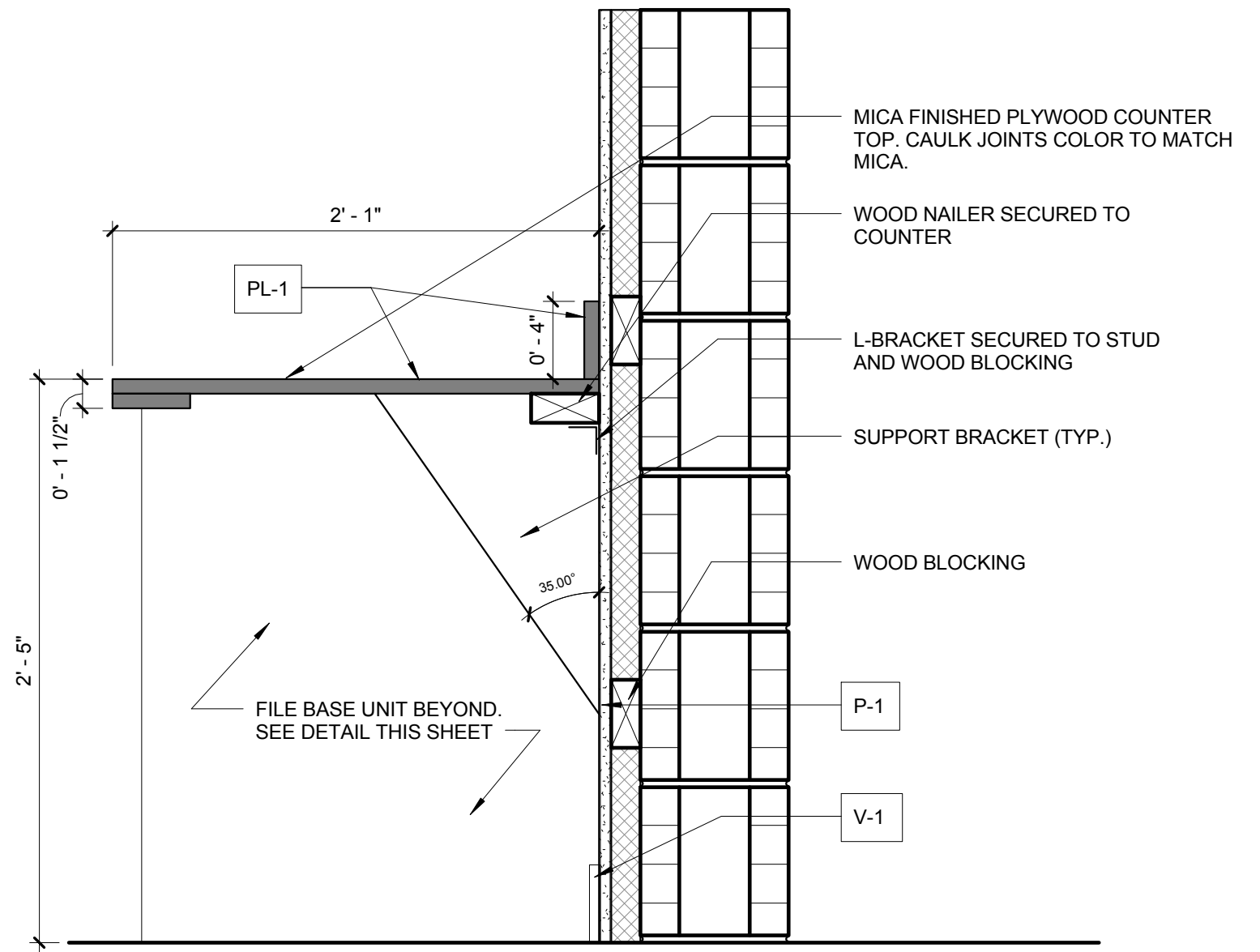
**WATCH RM 26 INTERIOR ELEVATION 1C**  
SCALE: 1/2" = 1'-0"



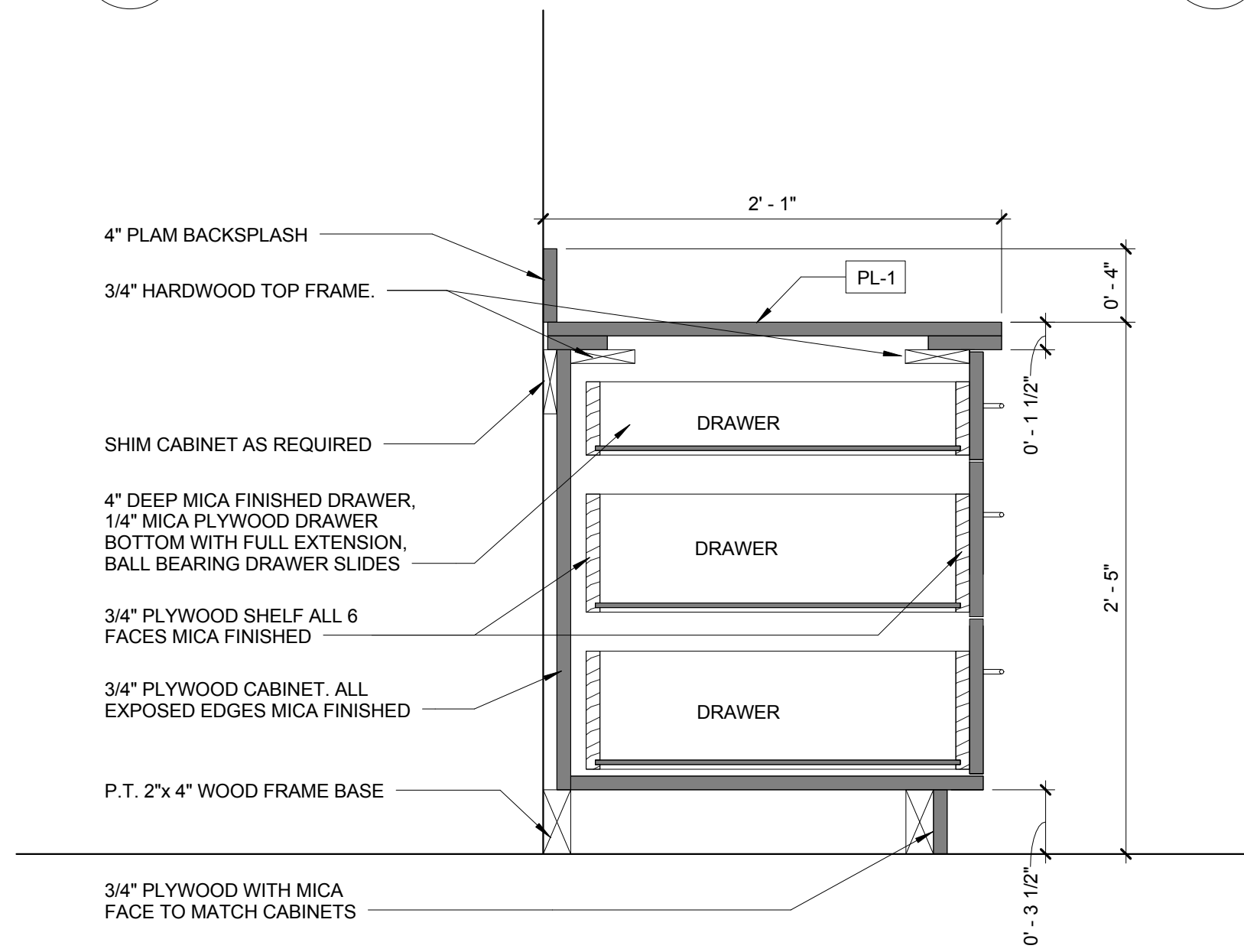
**A PASS THRU WINDOW DETAIL**  
A-410 SCALE: 1 1/2" = 1'-0"



**B FILE BASE UNIT DETAIL**  
A-410 SCALE: 1 1/2" = 1'-0"



**D COUNTERTOP DETAIL**  
A-410 SCALE: 1 1/2" = 1'-0"



**C THREE DRAWER BASE UNIT DETAIL**  
A-410 SCALE: 1 1/2" = 1'-0"

C:\Users\jzimmerman\Documents\951712200\_13\_S0\_Construction\13ak\_CENTRAL\_CFD21409.dwg  
1/4/2014 8:32:22 AM

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233 FAX: (954) 337-0359  
AN 5200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

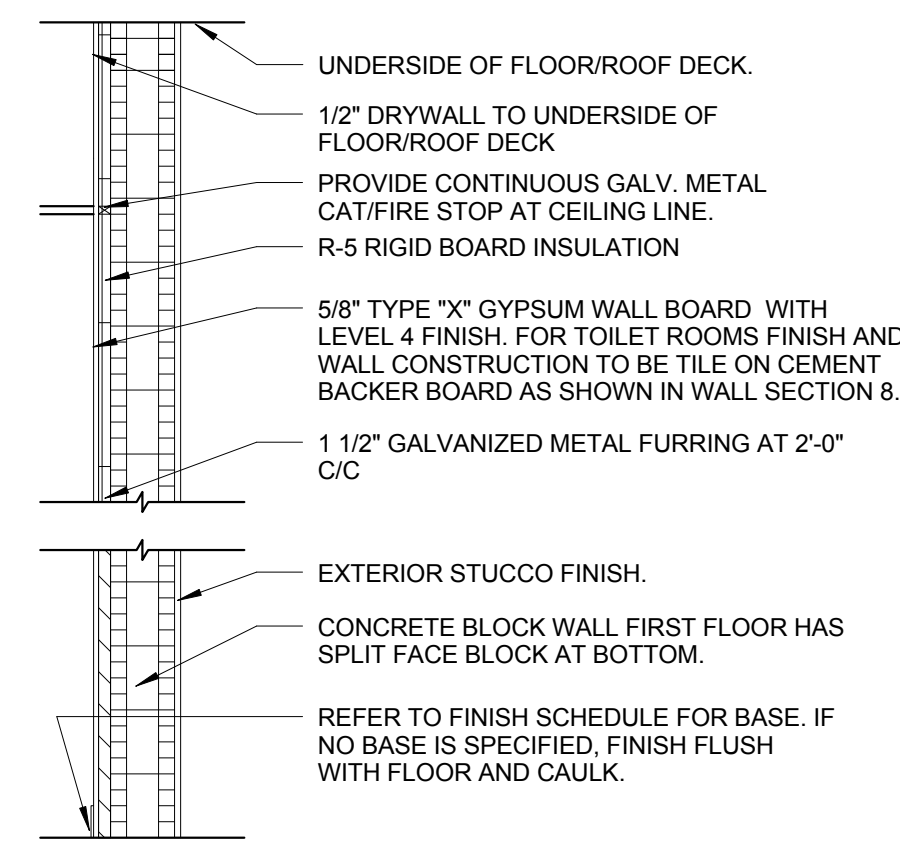
Watch Room Interior Elevations

DRAWN: CG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 12200  
SHEET:

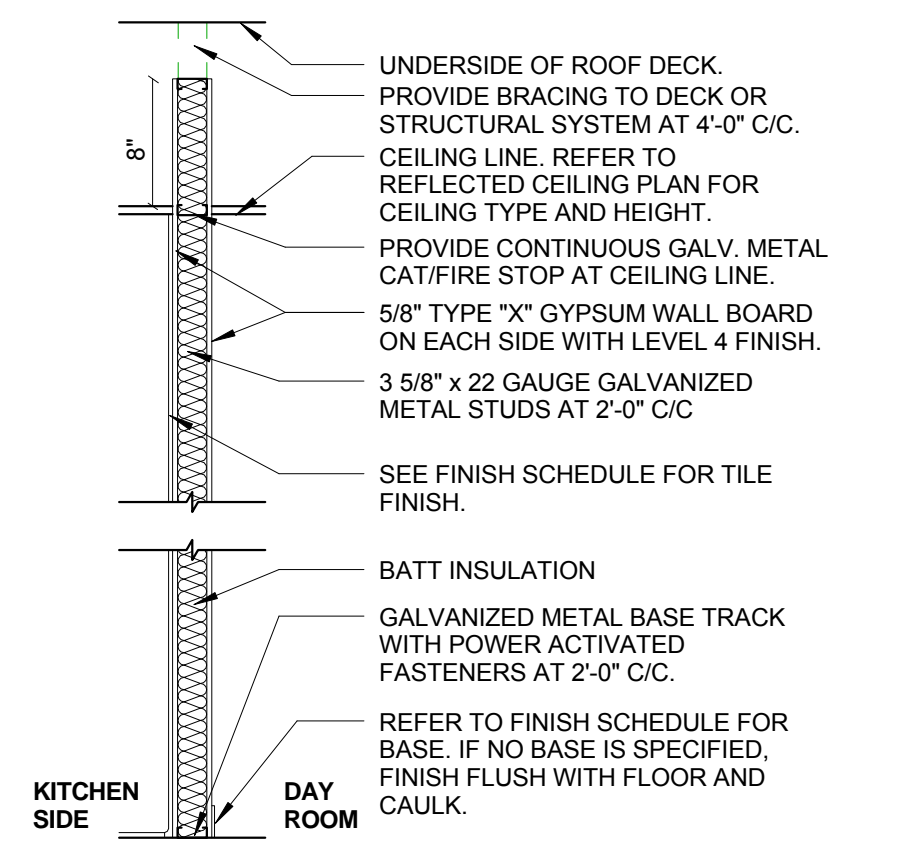
CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

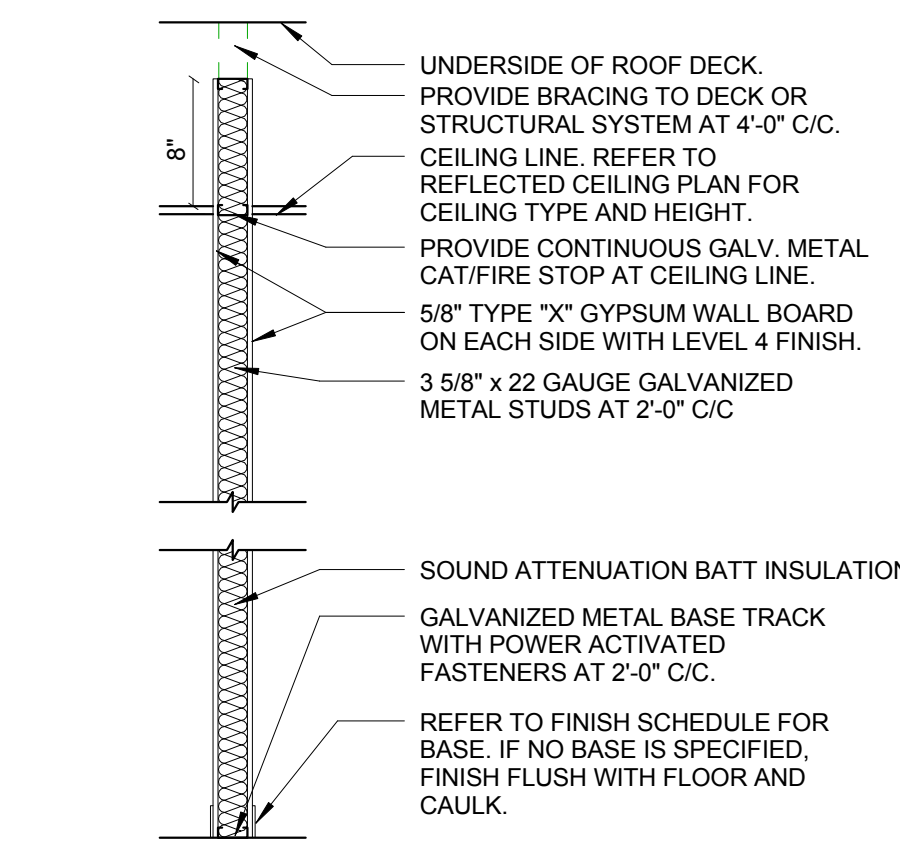
A-410



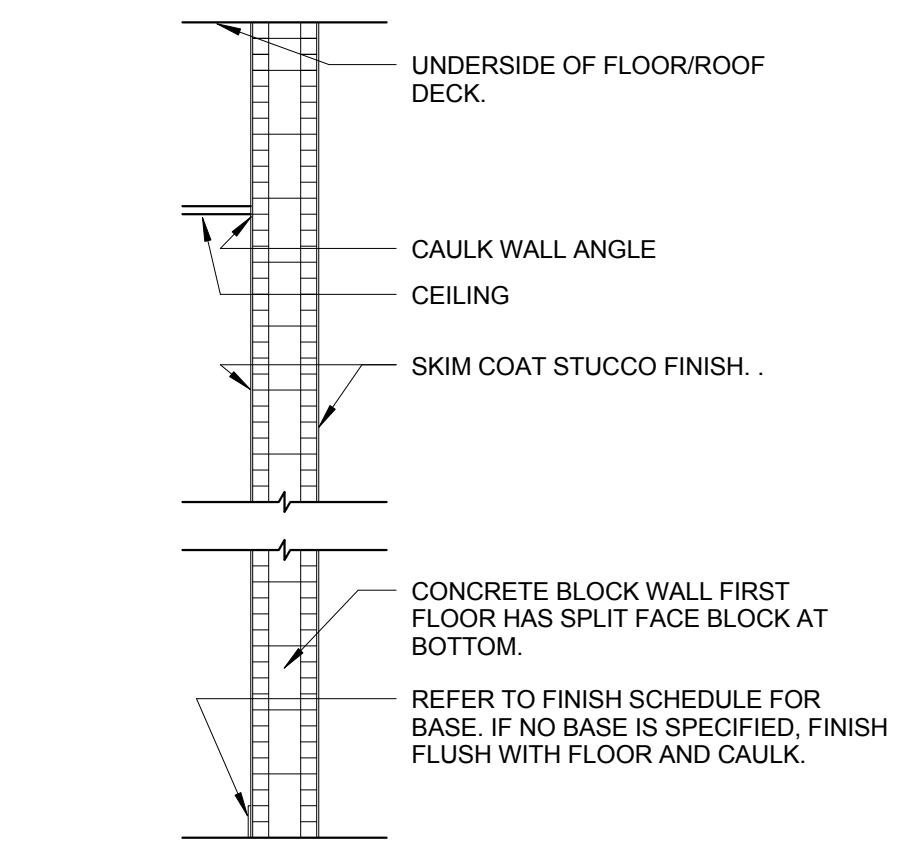
**1 EXTERIOR WALL WITH GYPSUM BOARD**  
SCALE: 1/2"=1'-0"



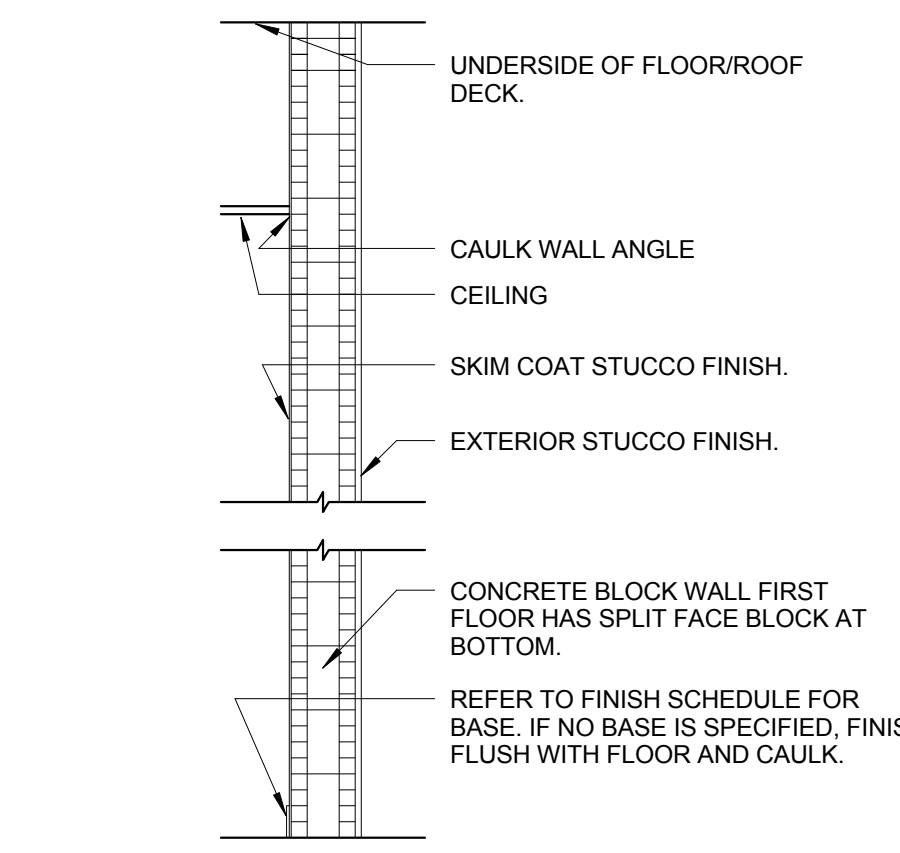
**2 GYPSUM WALL PARTITION**  
SCALE: 1/2"=1'-0"



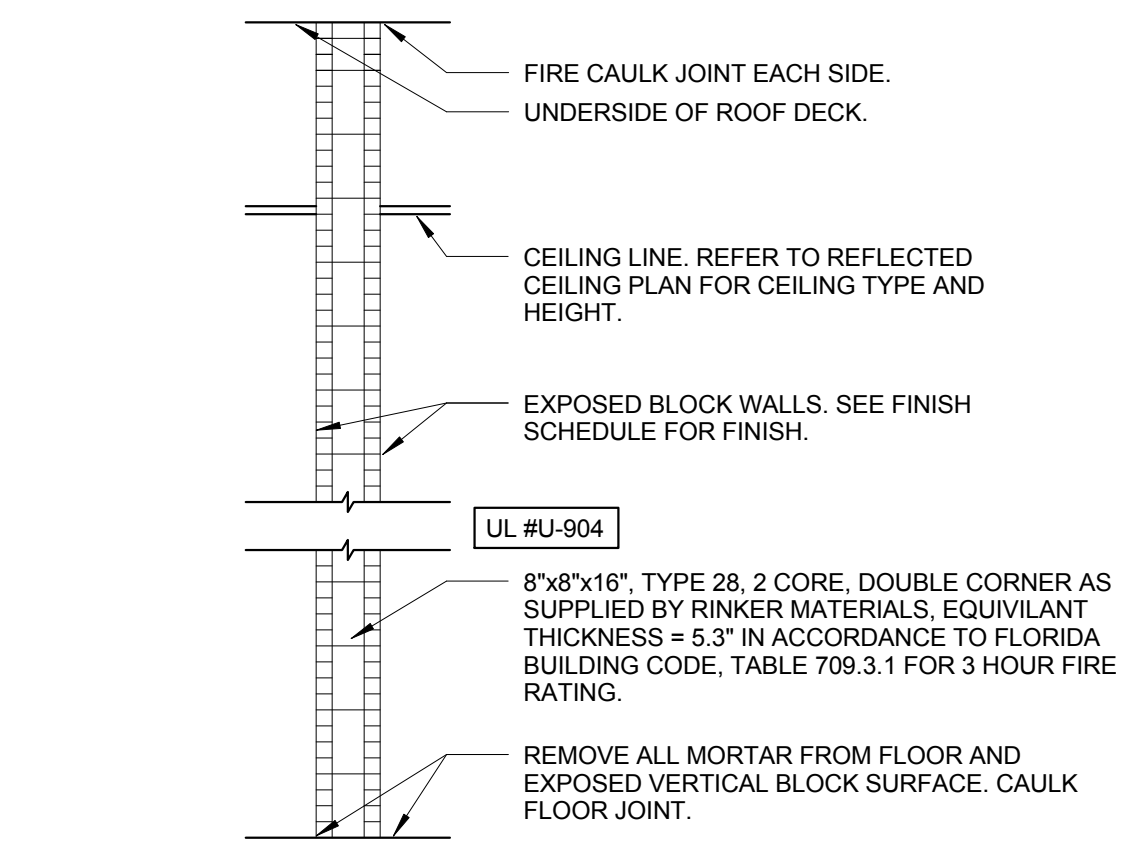
**2A GYPSUM WALL PARTITION**  
SCALE: 1/2"=1'-0"



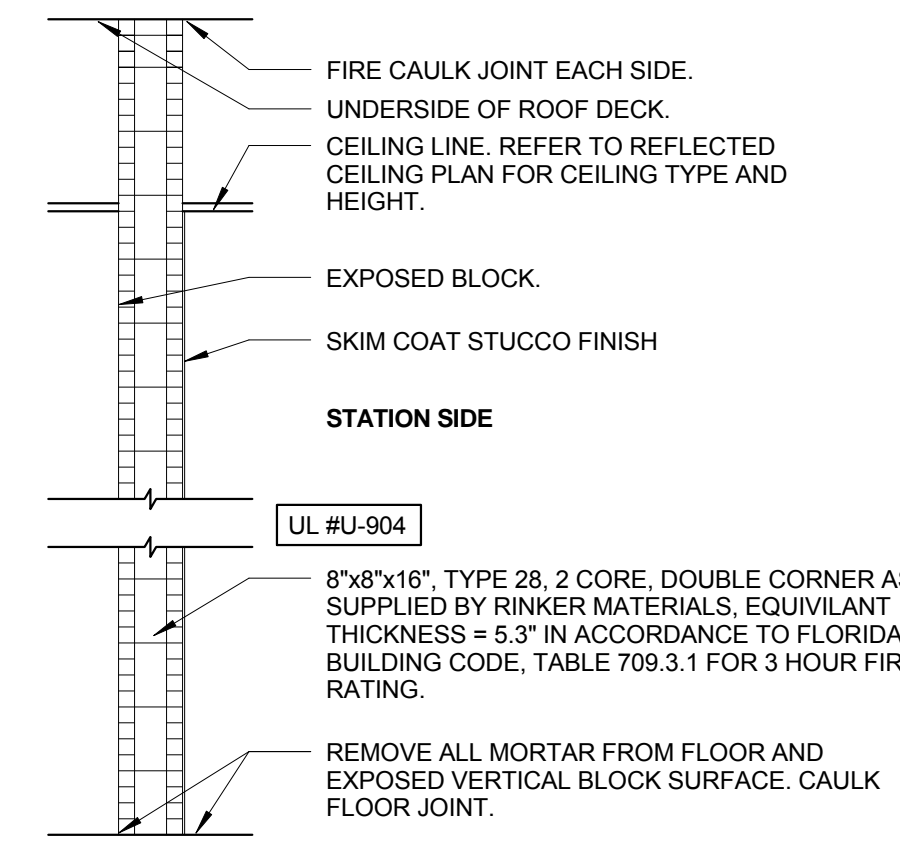
**3 INTERIOR WALL WITH EXPOSED FINISH**  
SCALE: 1/2"=1'-0"



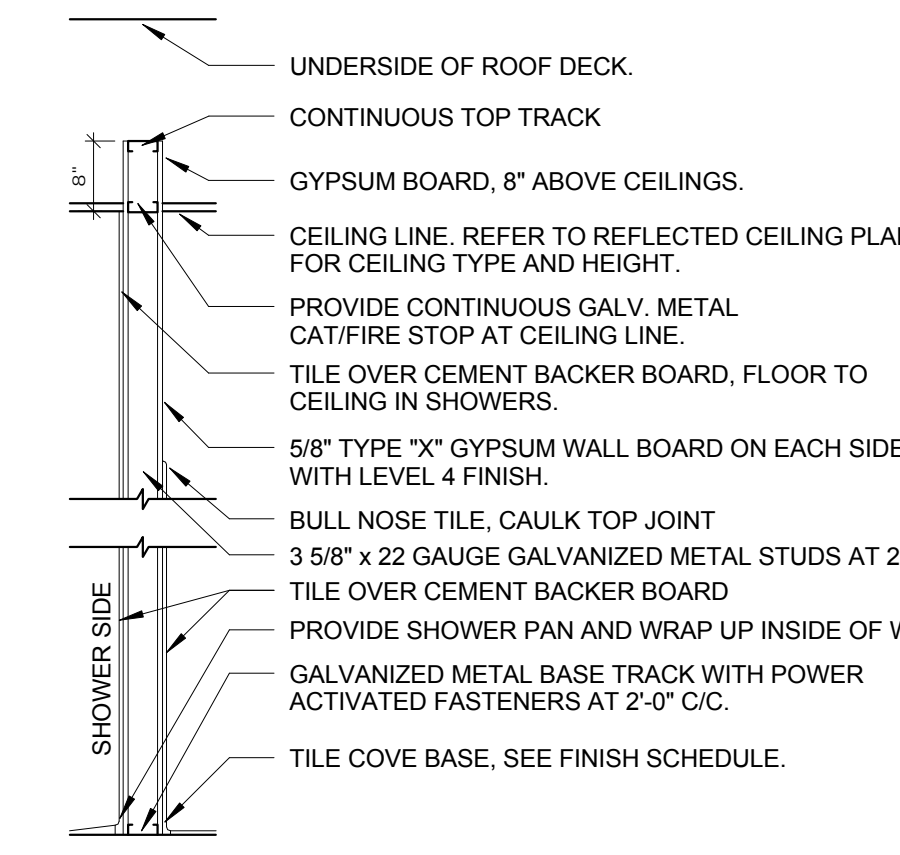
**3A EXTERIOR WALL WITH EXPOSED FINISH**  
SCALE: 1/2"=1'-0"



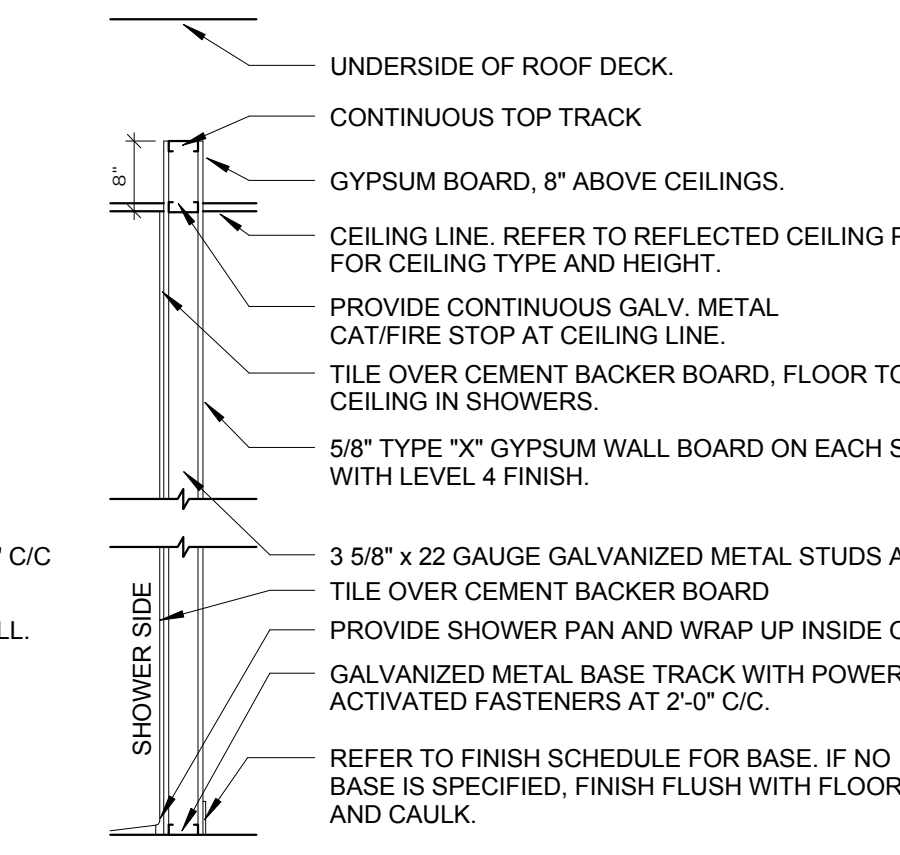
**4 MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



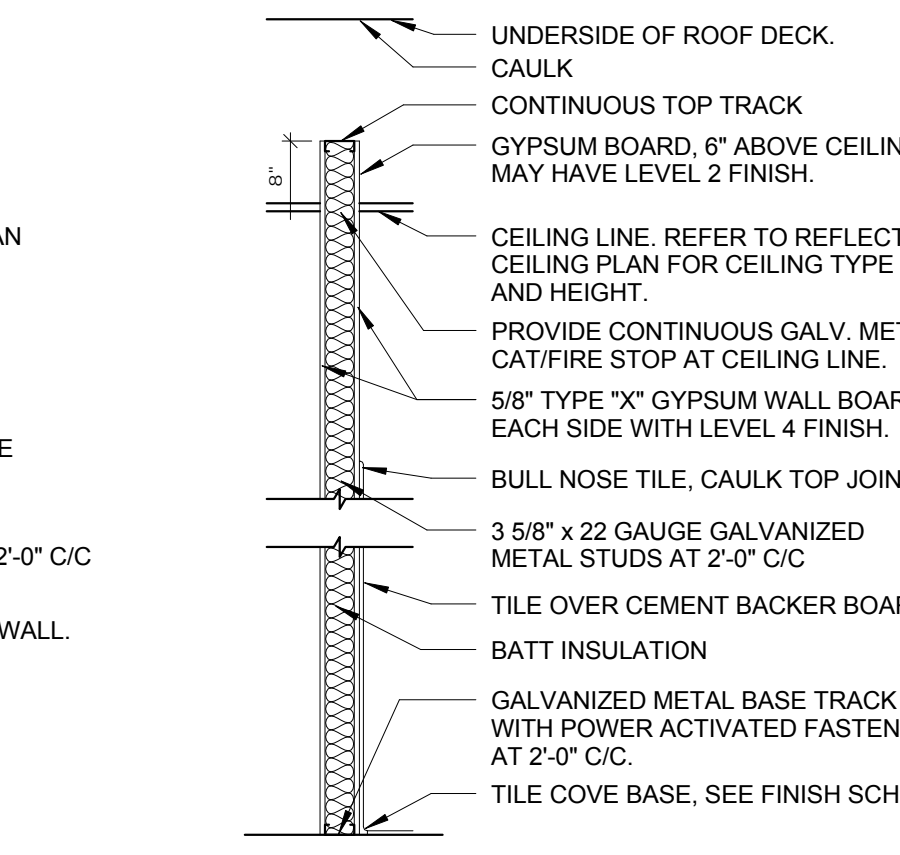
**5 MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



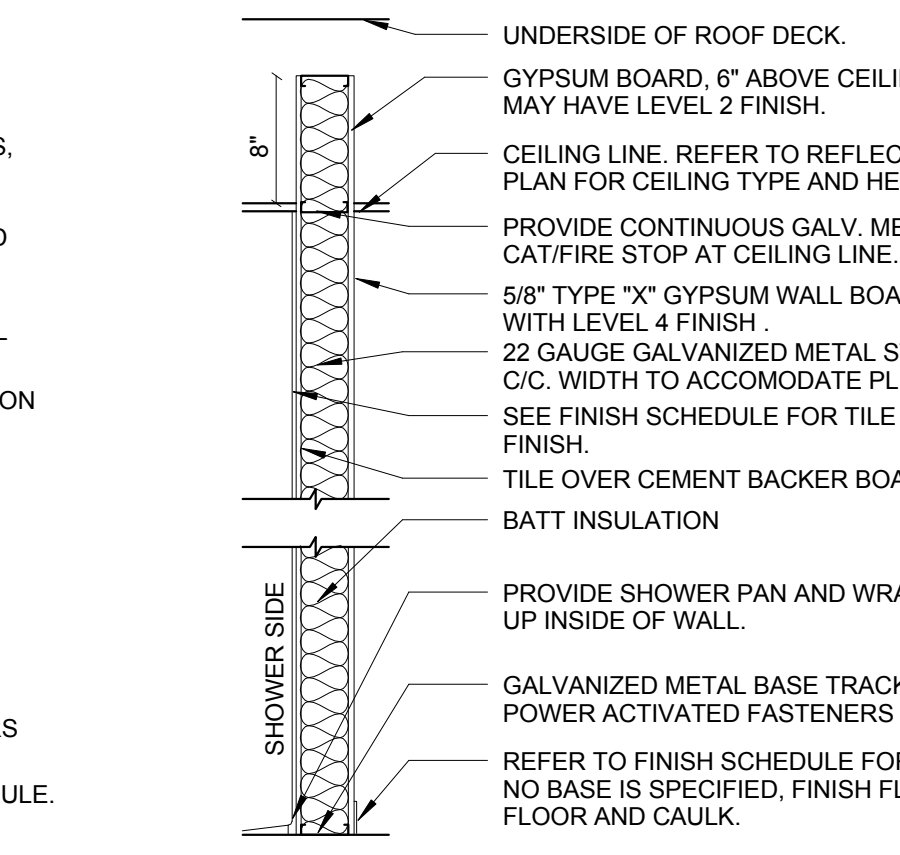
**6 TOILET/SHOWER ROOM PARTITION**  
SCALE: 1/2"=1'-0"



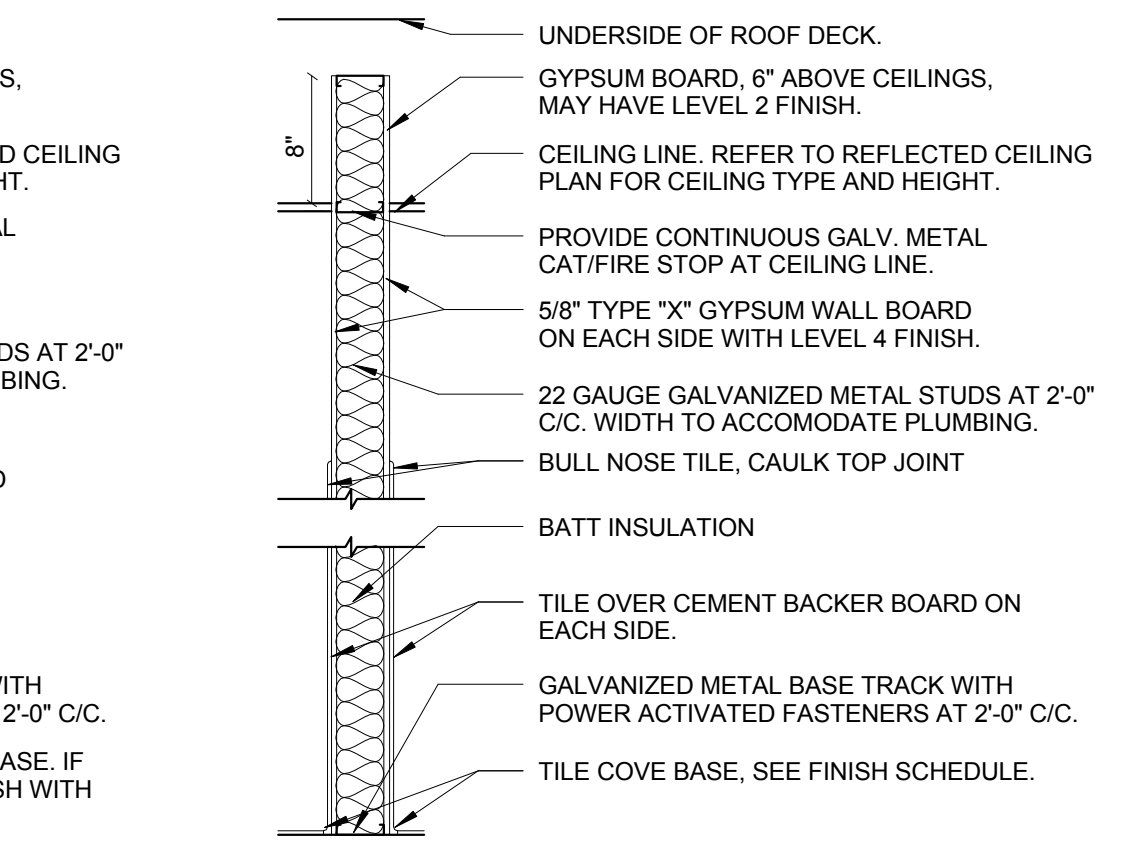
**6A TOILET/SHOWER ROOM PARTITION**  
SCALE: 1/2"=1'-0"



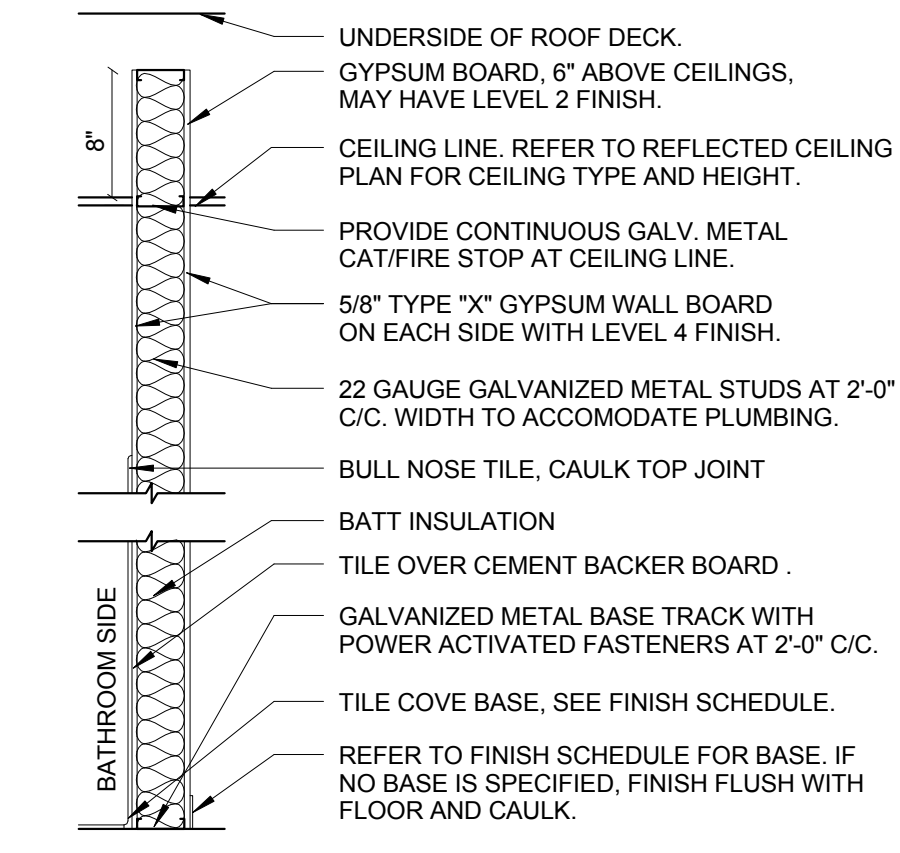
**6B TOILET ROOM PARTITION**  
SCALE: 1/2"=1'-0"



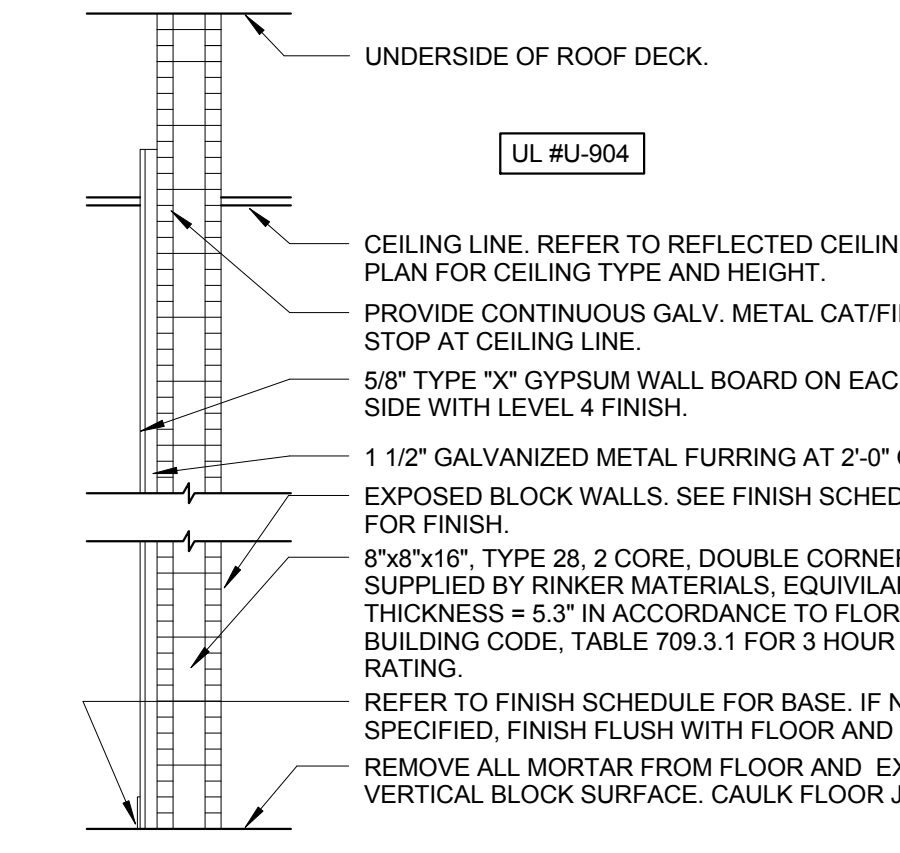
**6C GYPSUM WALL CHASE PARTITION**  
SCALE: 1/2"=1'-0"



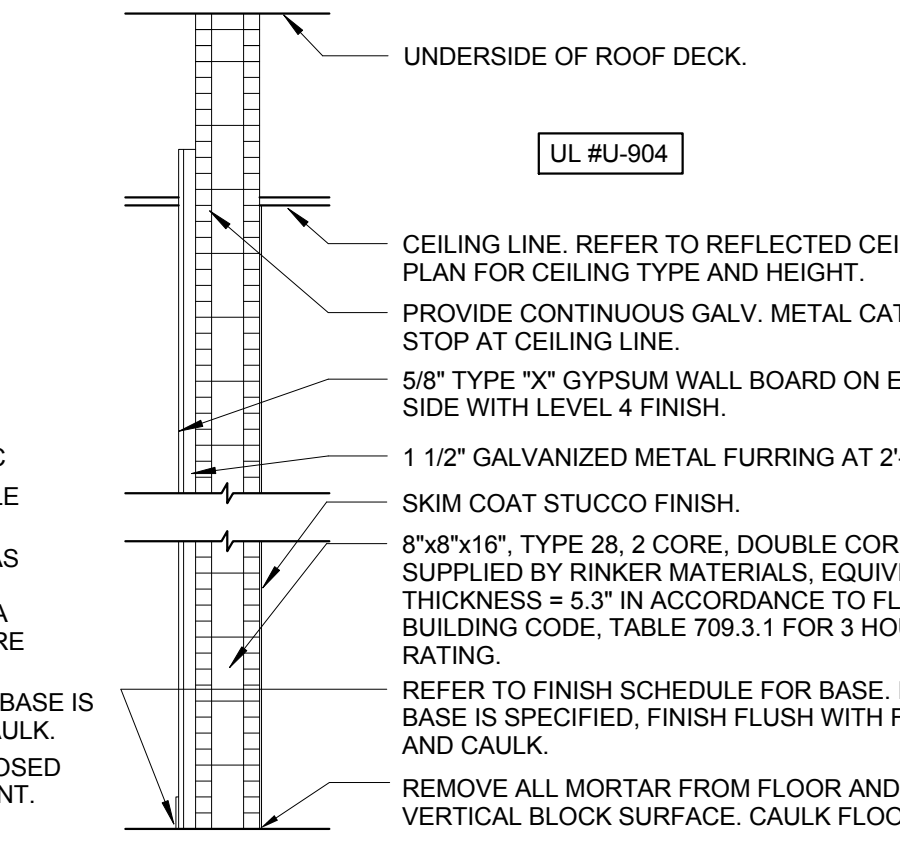
**6D TOILET ROOM CHASE PARTITION**  
SCALE: 1/2"=1'-0"



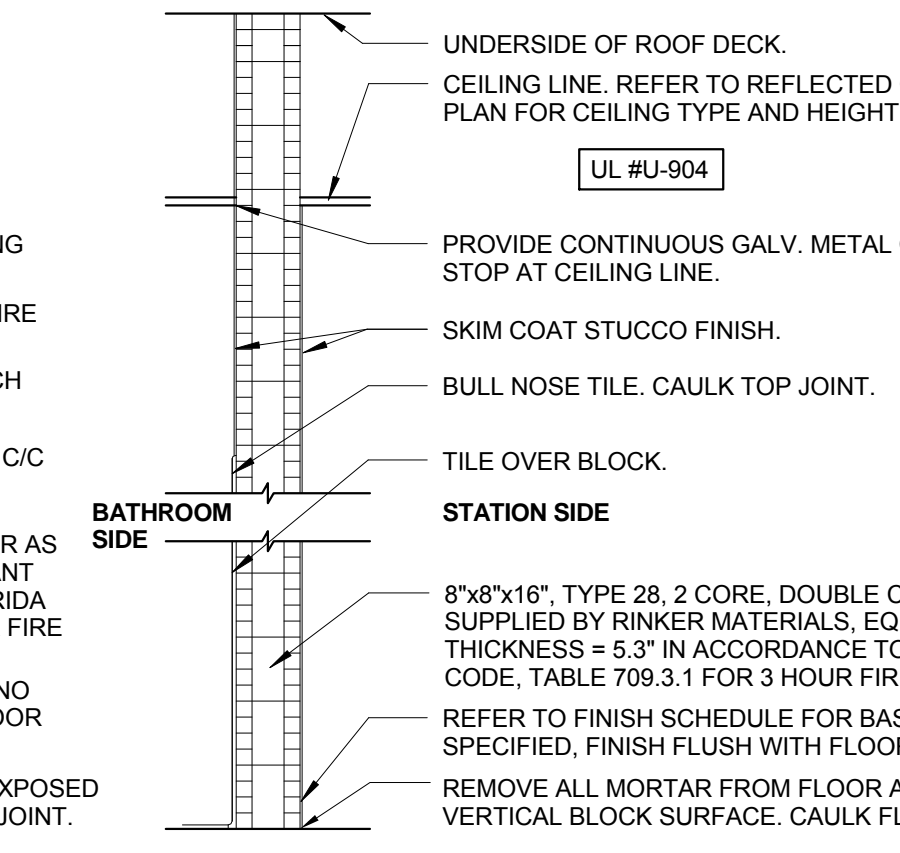
**6E TOILET ROOM CHASE PARTITION**  
SCALE: 1/2"=1'-0"



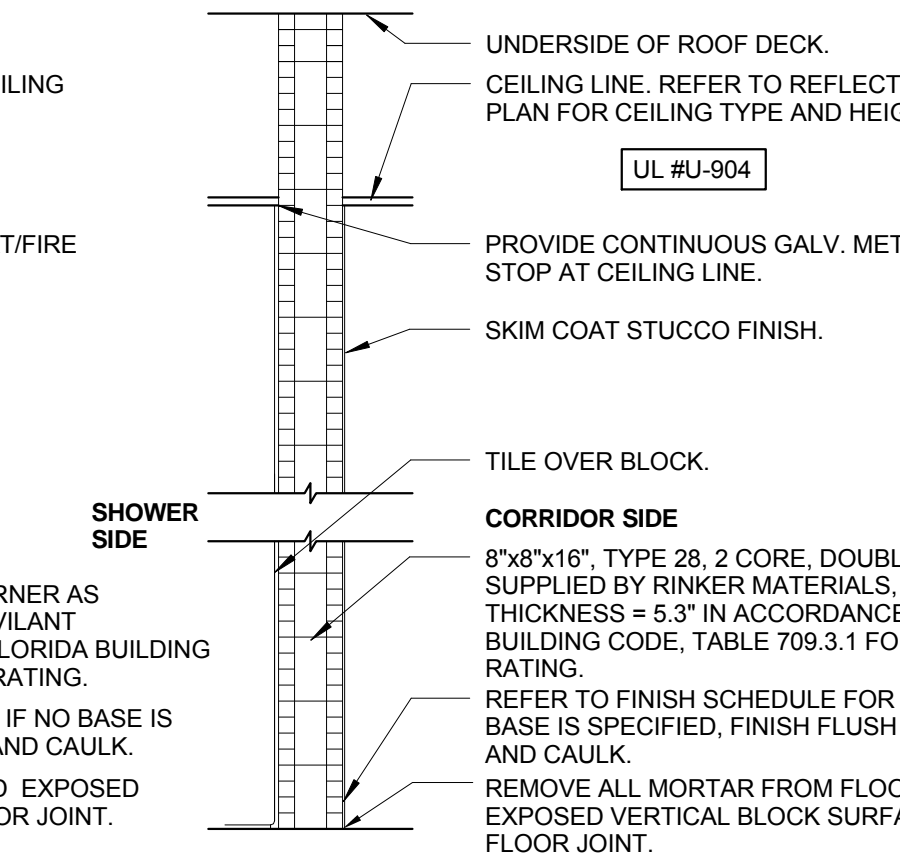
**7 MASONRY PARTITION WITH GYPSUM BOARD**  
SCALE: 1/2"=1'-0"



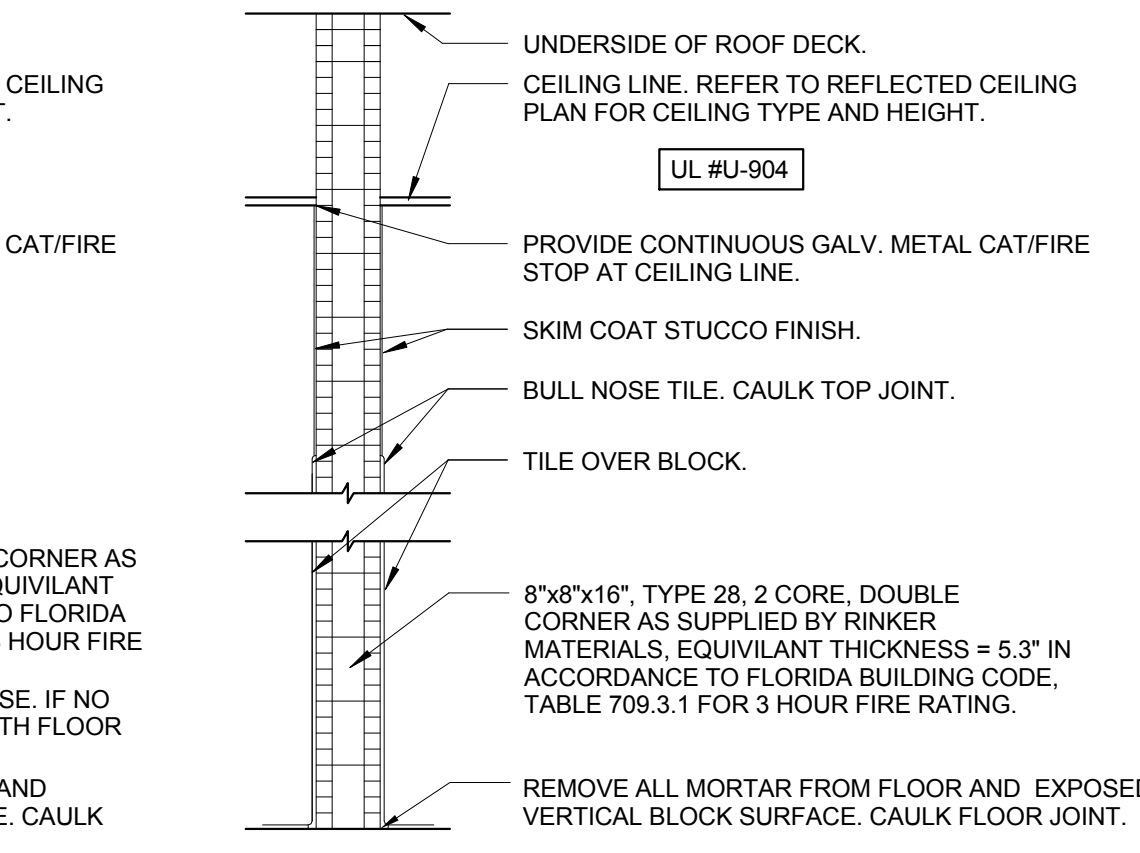
**7A MASONRY PARTITION WITH GYPSUM BOARD**  
SCALE: 1/2"=1'-0"



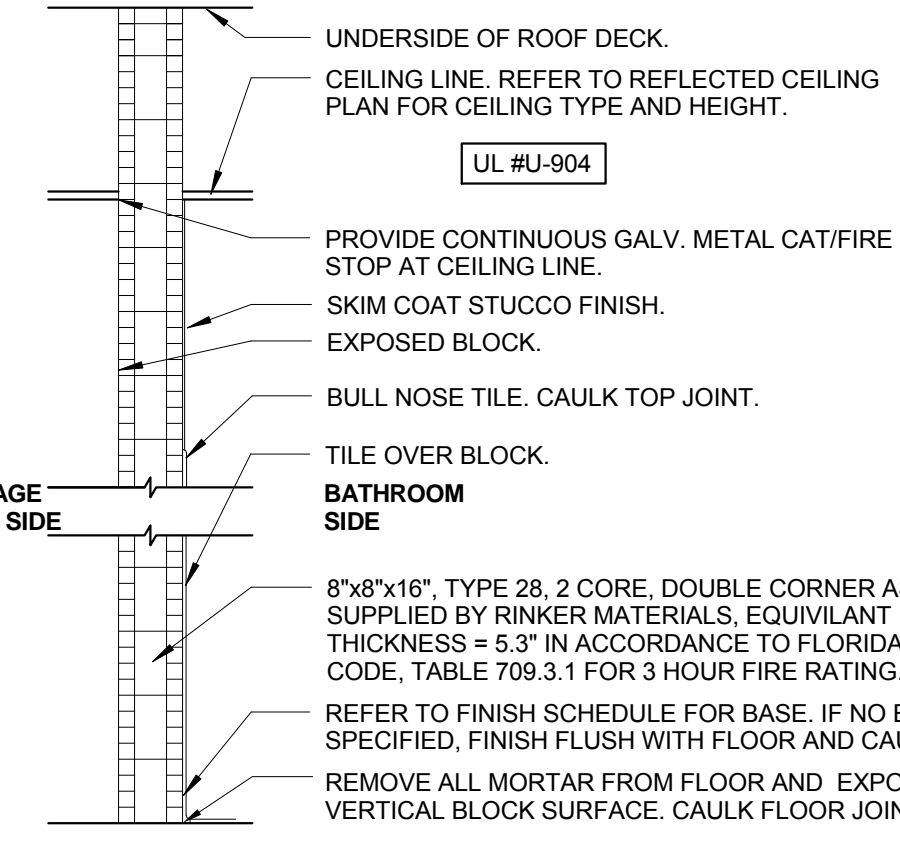
**8 MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



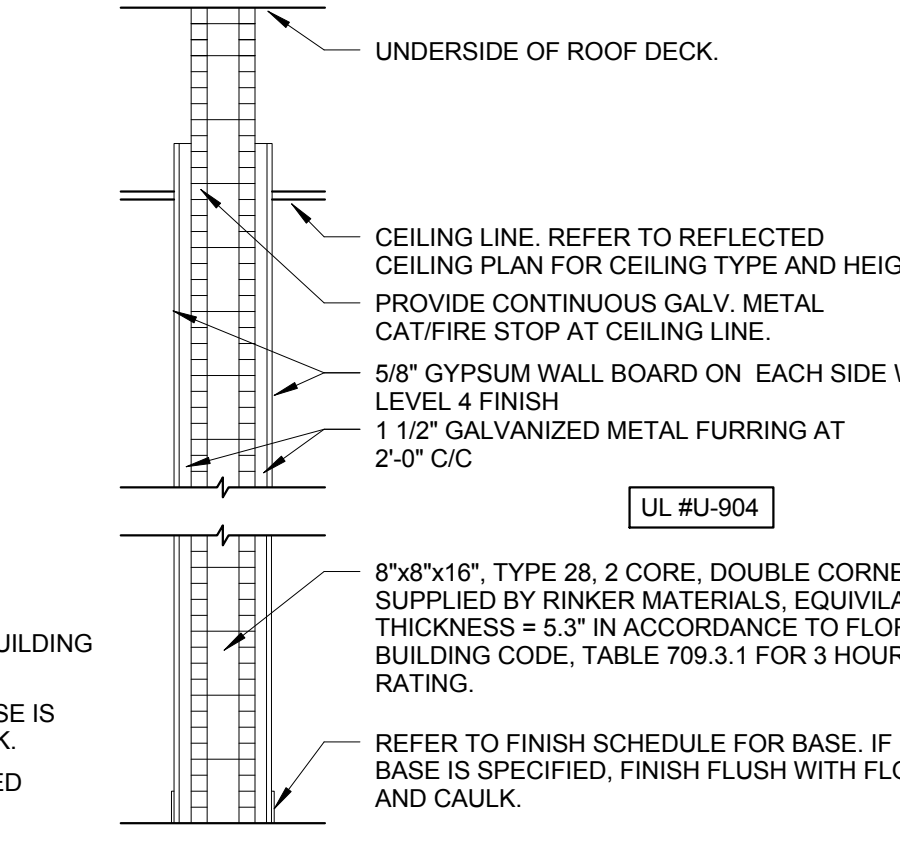
**8A MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



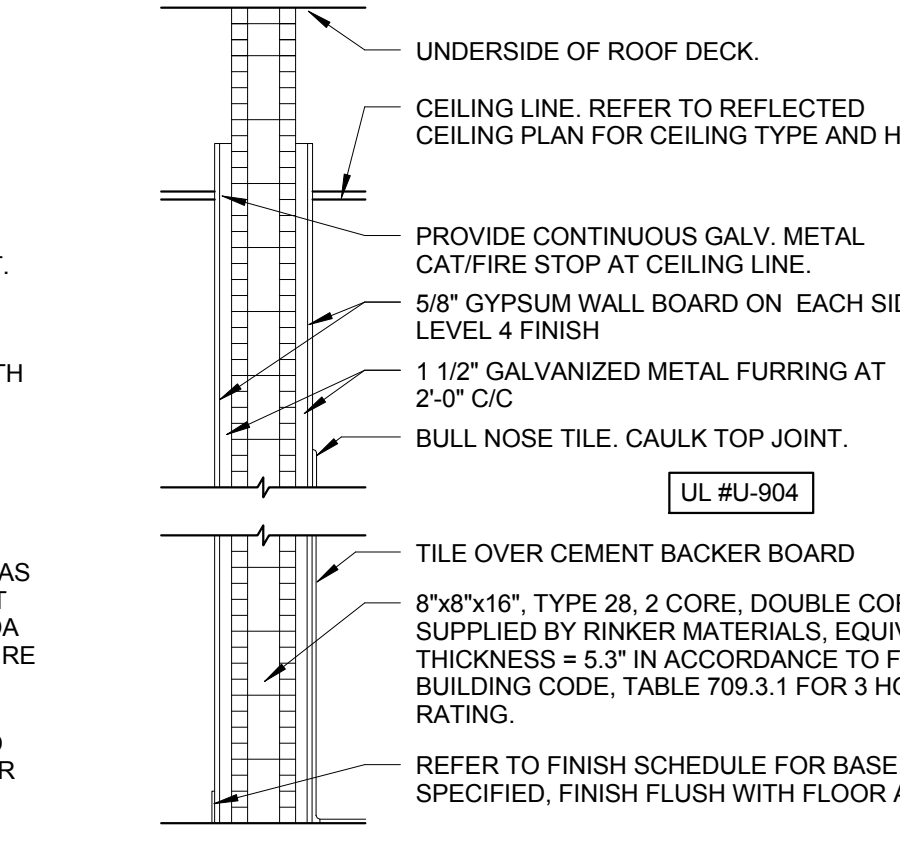
**8B MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



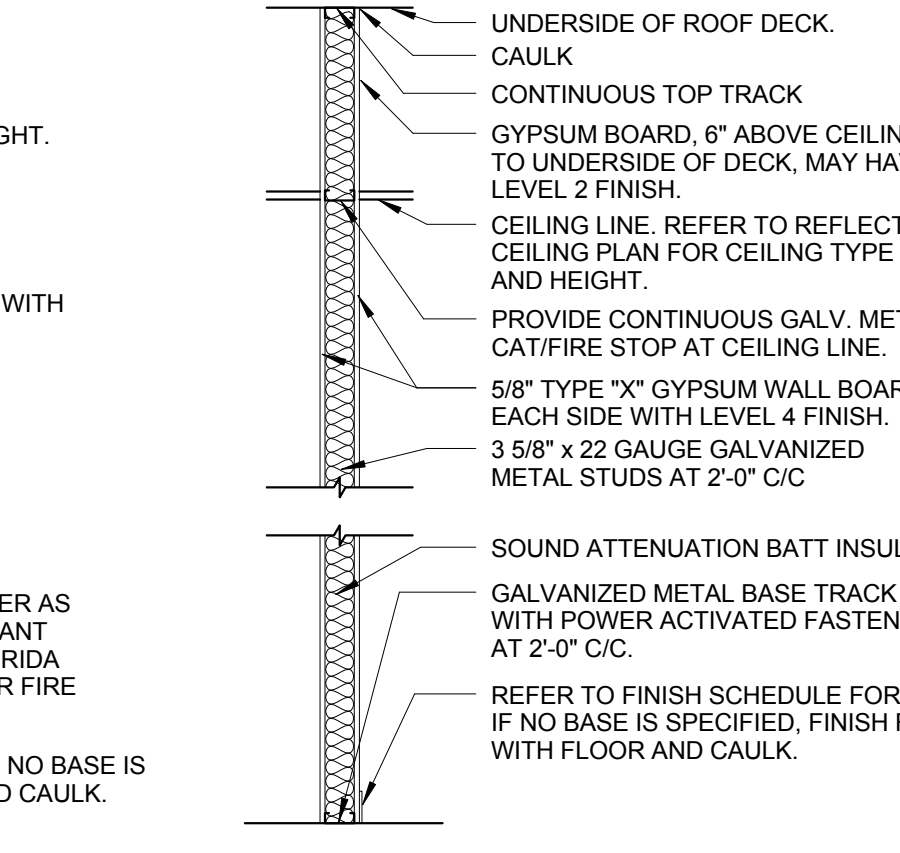
**9 MASONRY PARTITION**  
SCALE: 1/2"=1'-0"



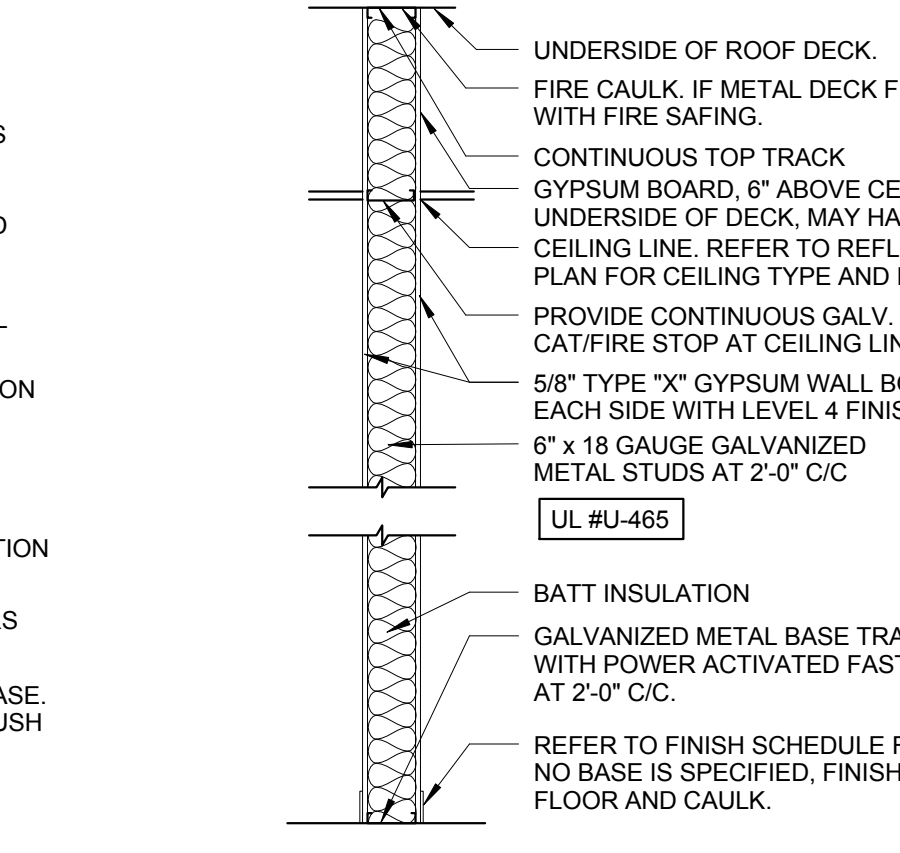
**10 MASONRY PARTITION WITH GYPSUM BOARD**  
SCALE: 1/2"=1'-0"



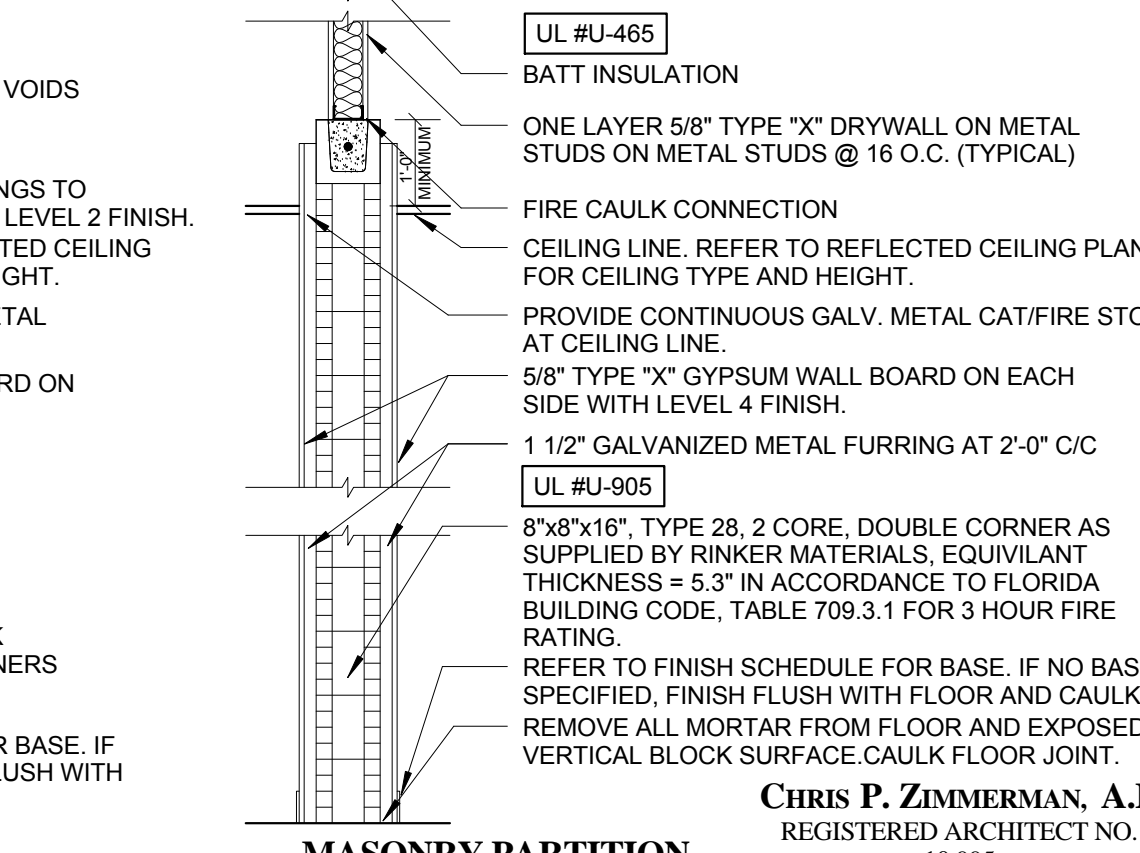
**10A MASONRY PARTITION WITH GYPSUM BOARD**  
SCALE: 1/2"=1'-0"



**11 GYPSUM WALL CHASE PARTITION**  
SCALE: 1/2"=1'-0"



**12 1 HOUR RATED GYPSUM WALL PARTITION**  
SCALE: 1/2"=1'-0"



**13 MASONRY PARTITION WITH GYPSUM WALL**  
SCALE: 1/2"=1'-0"

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY, SUITE 100  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8233 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**Wall Types**  
DRAWN: RJMG  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO: 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

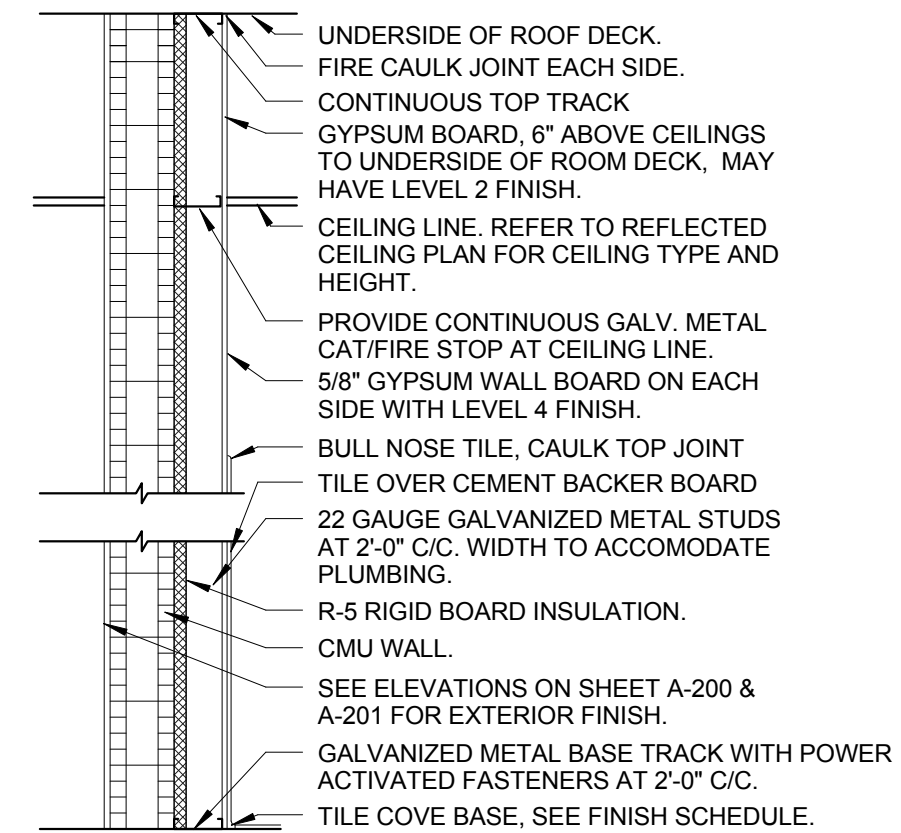
A-500

C:\Users\pzm09\Documents\9517122014\_FS\_50\_Dimension\Wall\_Type\WALL\_TYPES.dwg  
11/26/2014 8:25 AM

DATE:

GA FILE NO. WP 7000	PROPRIETARY †	1 HOUR FIRE	35 to 39 STC SOUND
<b>GYPSUM WALLBOARD, STEEL C-T STUDS</b>			
One layer 1" x 24" proprietary type X gypsum panels inserted between 2 1/2" floor and ceiling J runners with T section of 2 1/2" proprietary C-T steel studs between panels.			
OPPOSITE SIDE: One layer 5/8" proprietary type X gypsum wallboard applied parallel to studs with 1" Type S drywall screws 8" o.c. at edges and 12" o.c. at intermediate studs. (NLB)			
<b>PROPRIETARY GYPSUM BOARD</b>			
G-P Gypsum	- 5/8" ToughRock® Fireguard® - 1" ToughRock® Fireguard® Shaftliner	Thickness: 3 1/8" Limiting Height: Refer to manufacturer Approx. Weight: 7 psf Fire Test: GET, 1-7-74; ITS, 8-30-01, ITS Design GP/WA 60-01	Sound Test: Estimated

**14 SHAFT WALL**  
SCALE: 1/2" = 1'-0"



**15 TOILET ROOM CHASE PARTITION**  
SCALE: 1/2" = 1'-0"

<b>CHASE WALLS, NONCOMBUSTIBLE</b>			
GA FILE NO. WP 5005	PROPRIETARY †	1 HOUR FIRE	60 to 64 FSTC SOUND
<b>GYPSUM WALLBOARD, STEEL STUDS, MINERAL FIBER INSULATION, CEMENTITIOUS BACKER UNIT CERAMIC TILE</b>			
One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to ONE SIDE of a double row of 1 1/2" 20 gage steel studs 16" o.c. with 1" Type S-12 drywall screws 8" o.c. at edges and 12" o.c. at intermediate studs. 5/8" gypsum board pieces 6" wide located not more than 48" o.c. used as cross braces fastened to stud pairs with two 1" Type S drywall screws at each end of brace. Optionally, 25 gage stud or runner pieces may be used as cross braces and attached with two 1/2" Type S drywall screws at each end. 1 1/2" mineral fiber insulation, 2 pcf, on each side in stud space.			
OPPOSITE SIDE: One layer 1/2" proprietary cementitious backer unit applied at right angles to studs with 1 1/4" Type S-12 wafer head screws 8" o.c. Vertical joints staggered and covered with glass fiber mesh tape. Ceramic tile, 1/4" thick, joints grouted, installed with latex-modified portland cement mortar or ANSI A136.1 Type I organic adhesive. (NLB)			
<b>PROPRIETARY GYPSUM BOARD</b>			
Lafarge North America Inc.	- 5/8" Firecheck® Type C	Thickness: Minimum 4 5/8"	Limiting Height: Refer to manufacturer
United States Gypsum Company	- 5/8" SHEETROCK® Brand Gypsum Panels, FIRECODE® Core	Approx. Weight: 10 psf	Fire Test: UL R11270-1, -2, 1-21-85, UL Design U445
		Field Sound Test: SA-840515, 5-18-84	

**16 CHASE WALL**  
SCALE: 1/2" = 1'-0"

NO.	REVISION	DATE
		CONSTRUCTION ISSUE SET

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-5252 FAX: (954) 337-0359  
AN 1500686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**Wall Types**

DRAWN: CG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

DATE:

**A-500A**

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014
2	ADDENDUM #1	09-04-14

CONSULTANT:

**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-5223 FAX: (954) 337-0359  
 AN 15200686 WWW.CPZARCHITECTS.COM



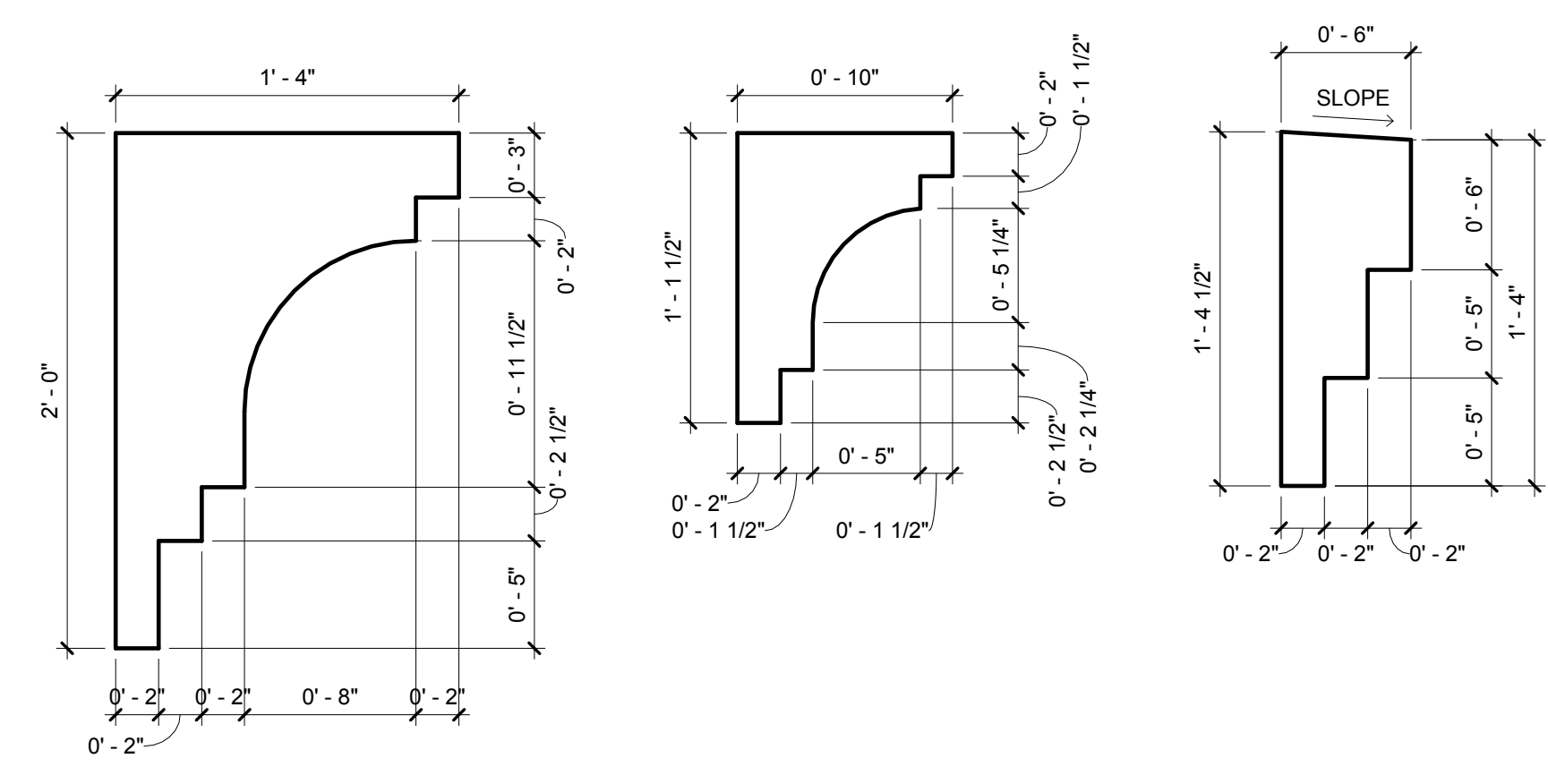
DRAWING TITLE:

**Architectural Details**

DRAWN: Author  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: 1 1/2" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

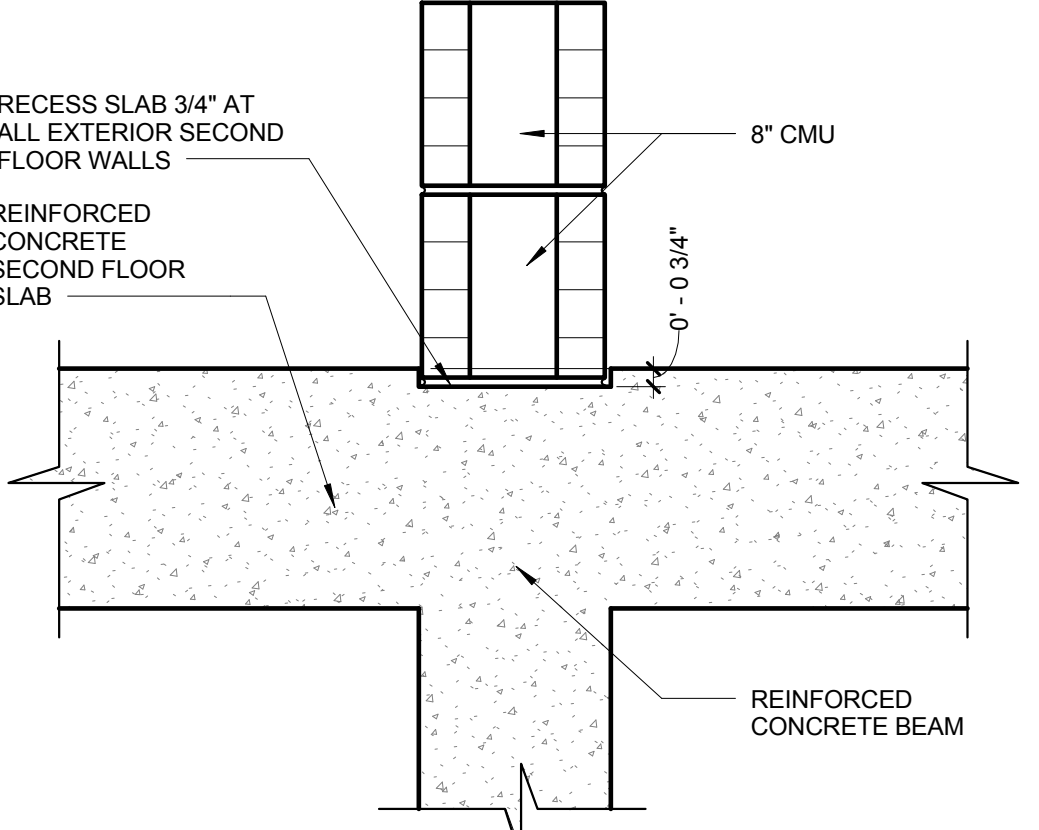
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DATE:

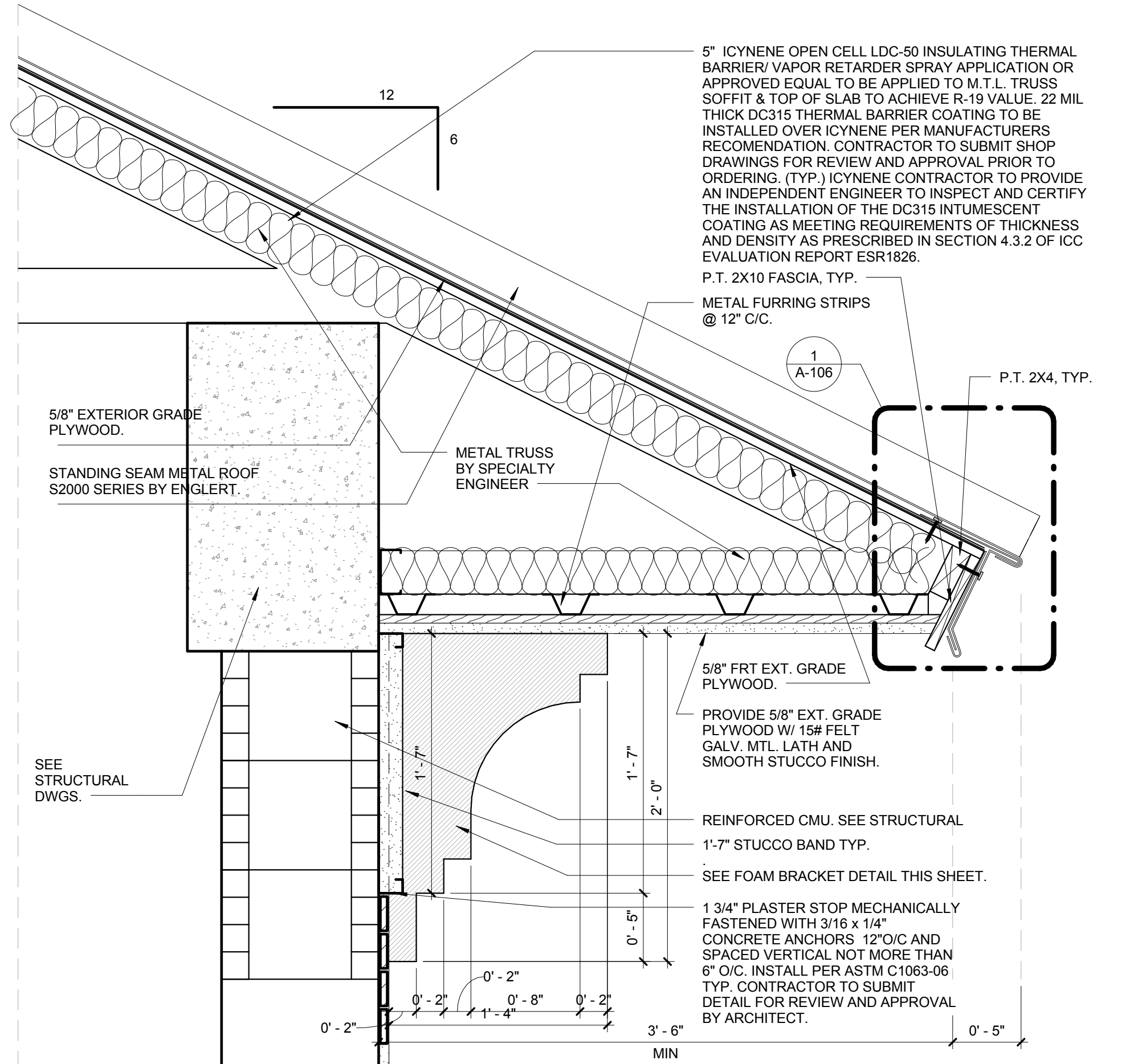


**3 MOULDING TYPE DETAIL**  
 SCALE: 1 1/2" = 1'-0"

FOAM MOULDINGS:  
 ALL FOAM MOULDINGS SHALL BE MANUFACTURED BY THE FOAM FACTORY OR APPROVED EQUAL, 3510 NW 53 STREET, FORT LAUDERDALE, FLORIDA 33309, (954) 485-6700.  
 1. FOAM SHALL BE VIRGIN FOAM, 1.5 LBS/C.F.  
 2. MOULDING SHALL HAVE THE SMOOTH "TOUGHCOAT" COATING APPLIED AT THE FACTORY.  
 3. MOULDING SHALL BE ADHERED USING PL PREMIUM POLYURETHANE ADHESIVE AND ENERFOAM BY DOW.  
 4. SYNTHETIC STUCCO FINISH SHALL BE SAND FINISH.

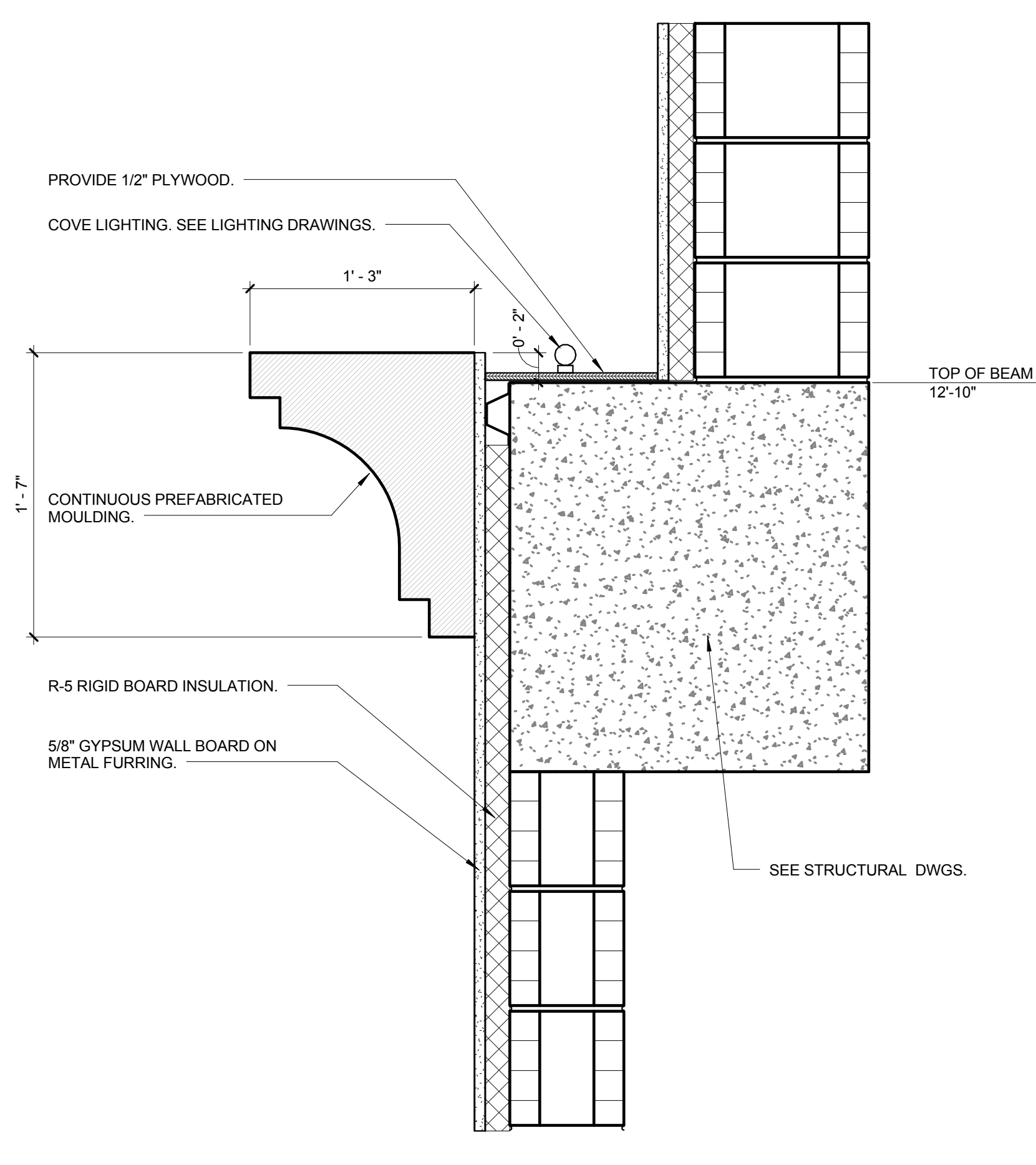


**5 TYP. EXTERIOR SECOND FLOOR MASONRY WALL 3/4" RECESS SLAB DETAIL**  
 SCALE: 1 1/2" = 1'-0"



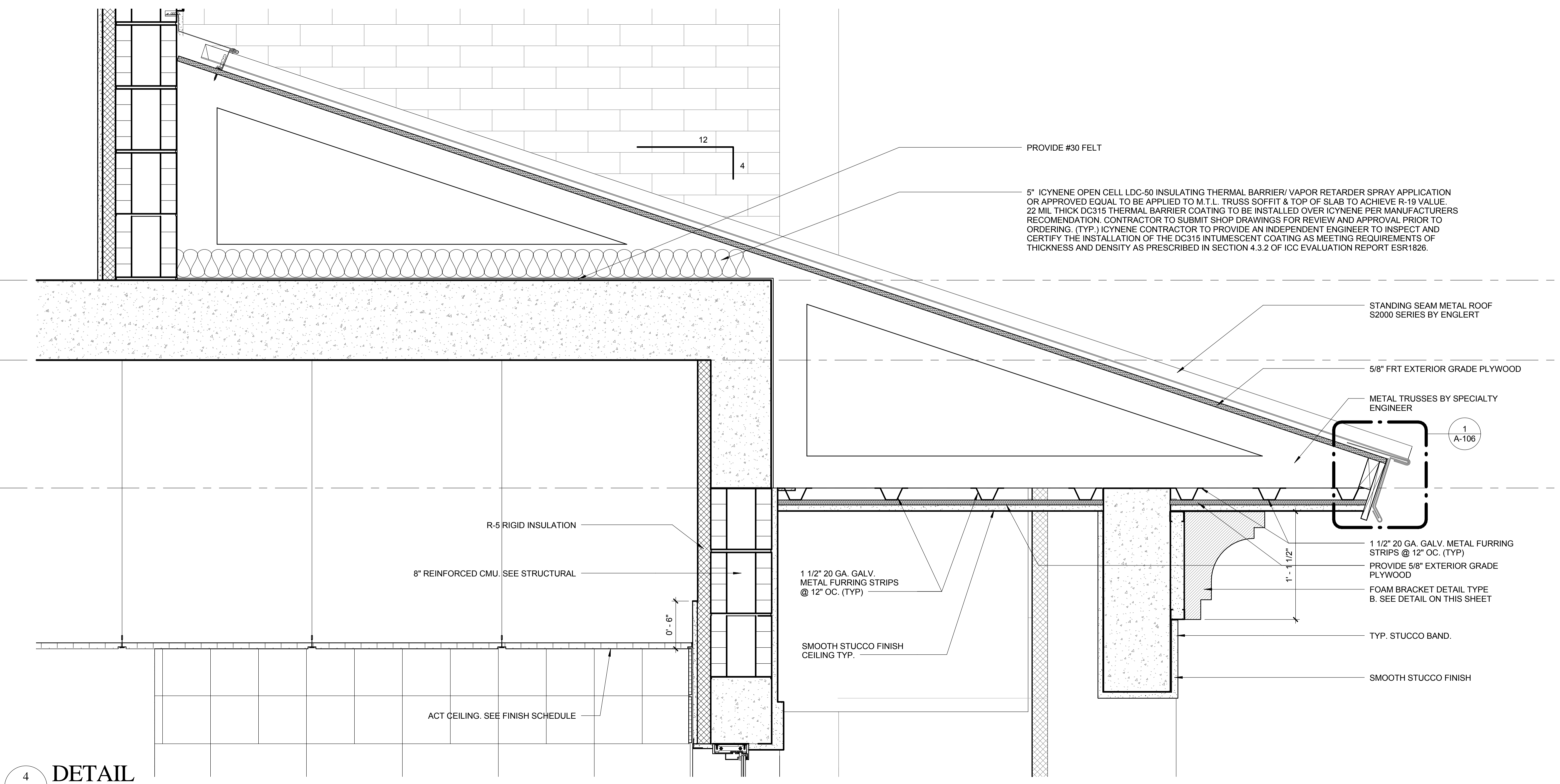
**1 HIGH ROOF EAVE DETAIL**  
 SCALE: 1 1/2" = 1'-0"

5" ICYNENE OPEN CELL LDC-50 INSULATING THERMAL BARRIER/ VAPOR RETARDER SPRAY APPLICATION OR APPROVED EQUAL TO BE APPLIED TO M.T.L. TRUSS SOFFIT & TOP OF SLAB TO ACHIEVE R-19 VALUE. 22 MIL THICK DC315 THERMAL BARRIER COATING TO BE INSTALLED OVER ICYNENE PER MANUFACTURERS RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING. (TYP.) ICYNENE CONTRACTOR TO PROVIDE AN INDEPENDENT ENGINEER TO INSPECT AND CERTIFY THE INSTALLATION OF THE DC315 INTUMESCENT COATING AS MEETING REQUIREMENTS OF THICKNESS AND DENSITY AS PRESCRIBED IN SECTION 4.3.2 OF ICC EVALUATION REPORT ESR1826.  
 P.T. 2X10 FASCIA, TYP.  
 METAL FURRING STRIPS @ 12" C/C.  
 P.T. 2X4, TYP.  
 5/8" EXTERIOR GRADE PLYWOOD.  
 STANDING SEAM METAL ROOF S2000 SERIES BY ENGLERT.  
 METAL TRUSS BY SPECIALTY ENGINEER.  
 PROVIDE 5/8" EXT. GRADE PLYWOOD.  
 REINFORCED CMU. SEE STRUCTURAL.  
 1-7" STUCCO BAND TYP.  
 SEE FOAM BRACKET DETAIL THIS SHEET.  
 1 3/4" PLASTER STOP MECHANICALLY FASTENED WITH 3/16" x 1/4" CONCRETE ANCHORS 12" O/C AND SPACED VERTICAL NOT MORE THAN 6" O/C. INSTALL PER ASTM C1063-06 TYP. CONTRACTOR TO SUBMIT DETAIL FOR REVIEW AND APPROVAL BY ARCHITECT.



**2 COVE LIGHT DETAIL**  
 SCALE: 1 1/2" = 1'-0"

PROVIDE 1/2" PLYWOOD.  
 COVE LIGHTING. SEE LIGHTING DRAWINGS.  
 CONTINUOUS PREFABRICATED MOULDING.  
 R-5 RIGID BOARD INSULATION.  
 5/8" GYPSUM WALL BOARD ON METAL FURRING.  
 TOP OF BEAM 12'-10"  
 SEE STRUCTURAL DWGS.



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

PROVIDE #30 FELT.  
 5" ICYNENE OPEN CELL LDC-50 INSULATING THERMAL BARRIER/ VAPOR RETARDER SPRAY APPLICATION OR APPROVED EQUAL TO BE APPLIED TO M.T.L. TRUSS SOFFIT & TOP OF SLAB TO ACHIEVE R-19 VALUE. 22 MIL THICK DC315 THERMAL BARRIER COATING TO BE INSTALLED OVER ICYNENE PER MANUFACTURERS RECOMMENDATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING. (TYP.) ICYNENE CONTRACTOR TO PROVIDE AN INDEPENDENT ENGINEER TO INSPECT AND CERTIFY THE INSTALLATION OF THE DC315 INTUMESCENT COATING AS MEETING REQUIREMENTS OF THICKNESS AND DENSITY AS PRESCRIBED IN SECTION 4.3.2 OF ICC EVALUATION REPORT ESR1826.  
 STANDING SEAM METAL ROOF S2000 SERIES BY ENGLERT.  
 5/8" FRT EXTERIOR GRADE PLYWOOD.  
 METAL TRUSSES BY SPECIALTY ENGINEER.  
 REINFORCED CMU. SEE STRUCTURAL.  
 8" REINFORCED CMU. SEE STRUCTURAL.  
 1 1/2" 20 GA. GALV. METAL FURRING STRIPS @ 12" O.C. (TYP).  
 PROVIDE 5/8" EXTERIOR GRADE PLYWOOD.  
 METAL FURRING STRIPS @ 12" O/C. (TYP).  
 1 1/2" 20 GA. GALV. METAL FURRING STRIPS @ 12" O.C. (TYP).  
 PROVIDE 5/8" EXTERIOR GRADE PLYWOOD.  
 FOAM BRACKET DETAIL TYPE B. SEE DETAIL ON THIS SHEET.  
 TYP. STUCCO BAND.  
 SMOOTH STUCCO FINISH CEILING TYP.  
 SMOOTH STUCCO FINISH.  
 ACT CEILING. SEE FINISH SCHEDULE.

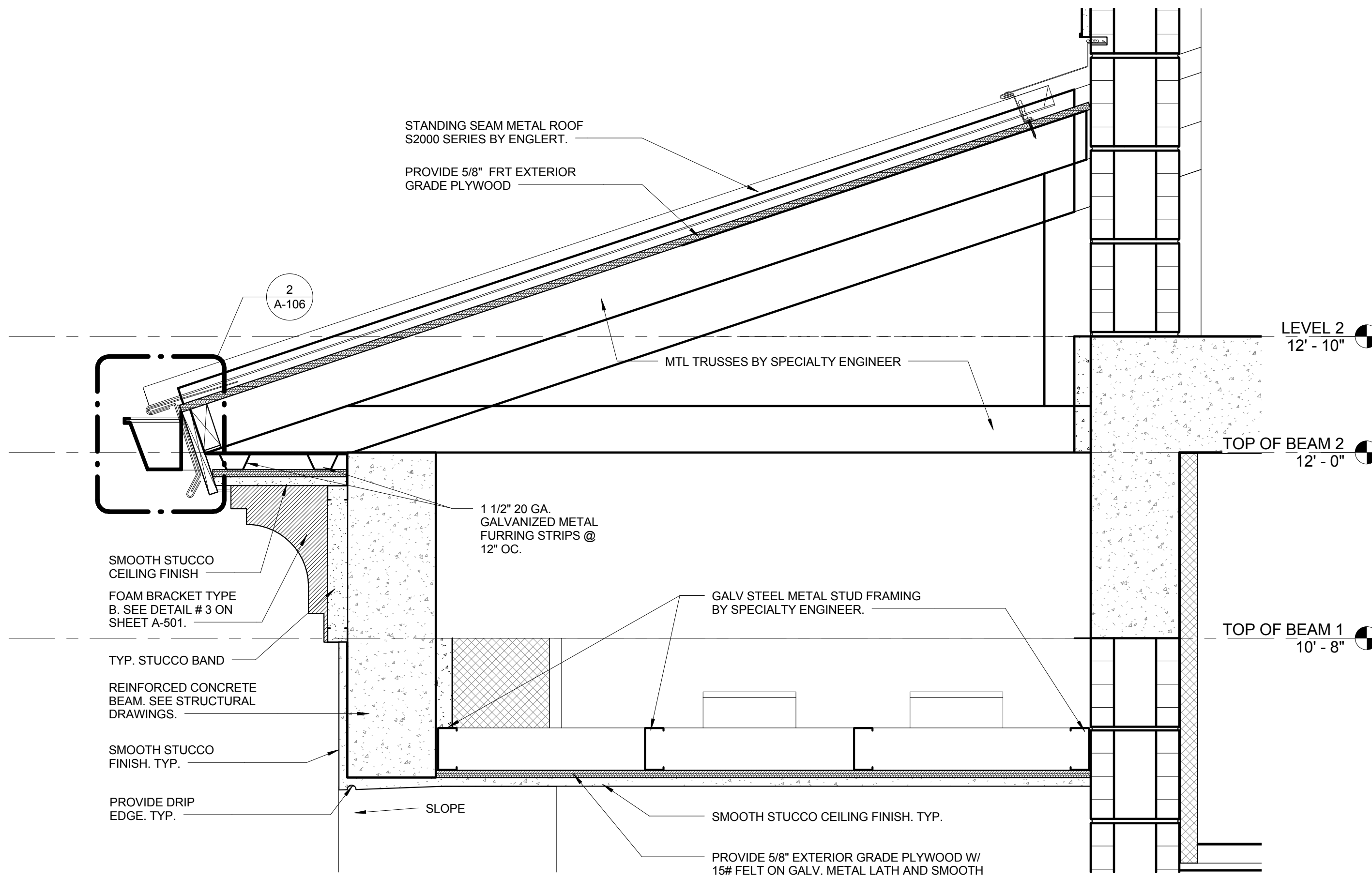
LEVEL 2 12' - 10"  
 TOP OF BEAM 2 12' - 0"  
 TOP OF BEAM 1 10' - 8"

1 A-106

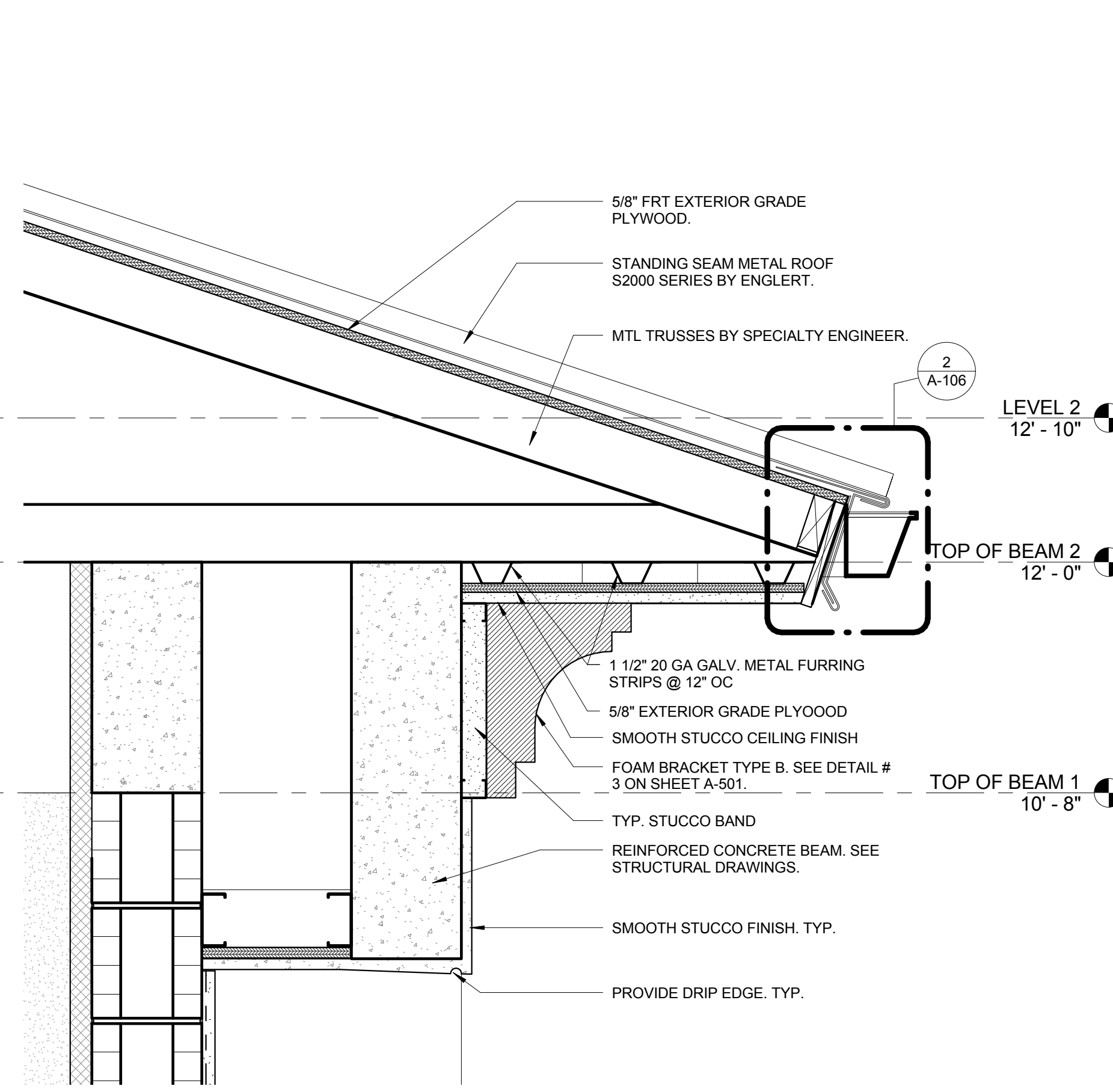


NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
	ISSUE SET	
1	ADDENDUM #1	09-04-14

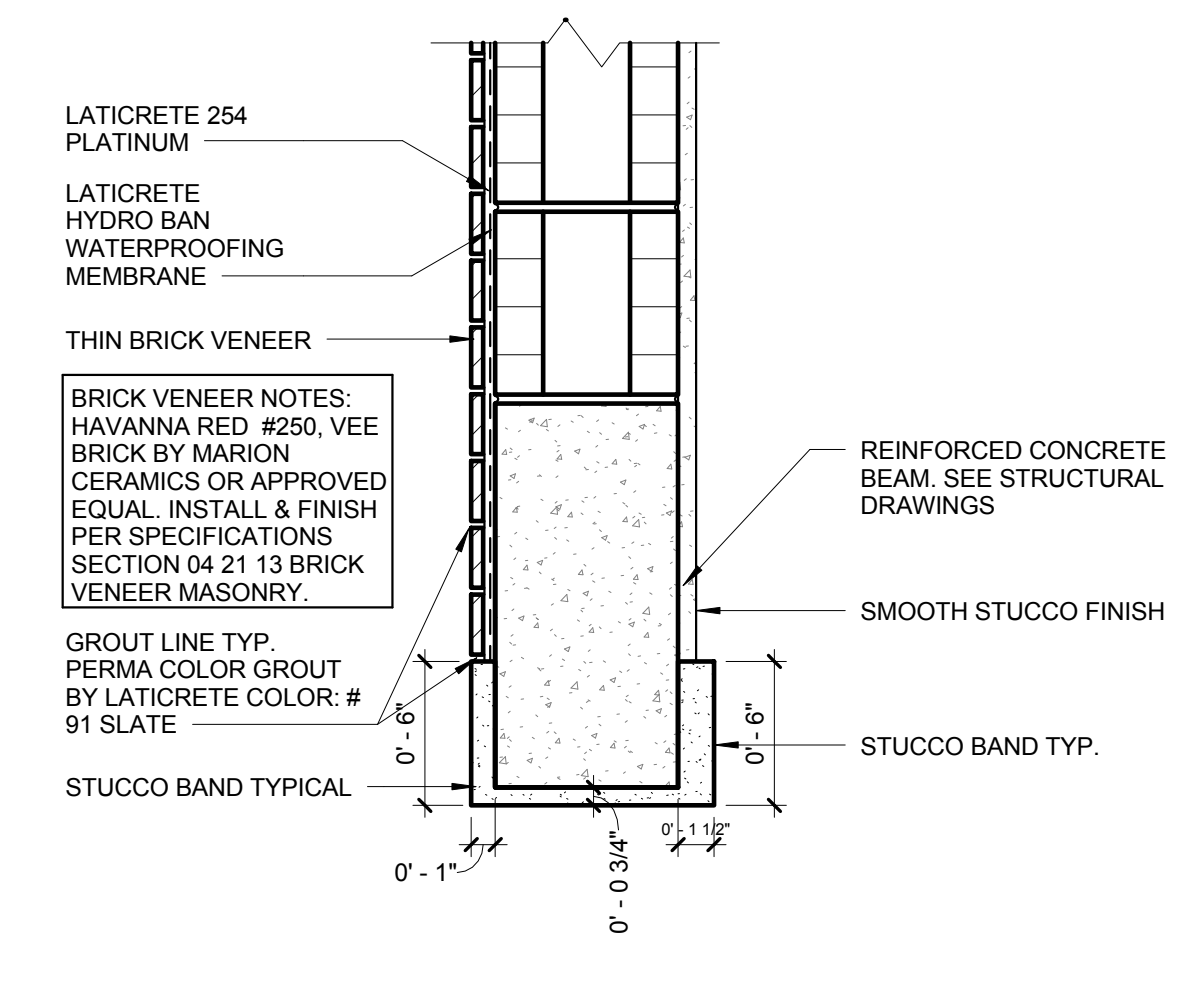
CONSULTANT:



1 SOFFIT EDGE DETAIL  
A-502 SCALE: 1/2" = 1'-0"



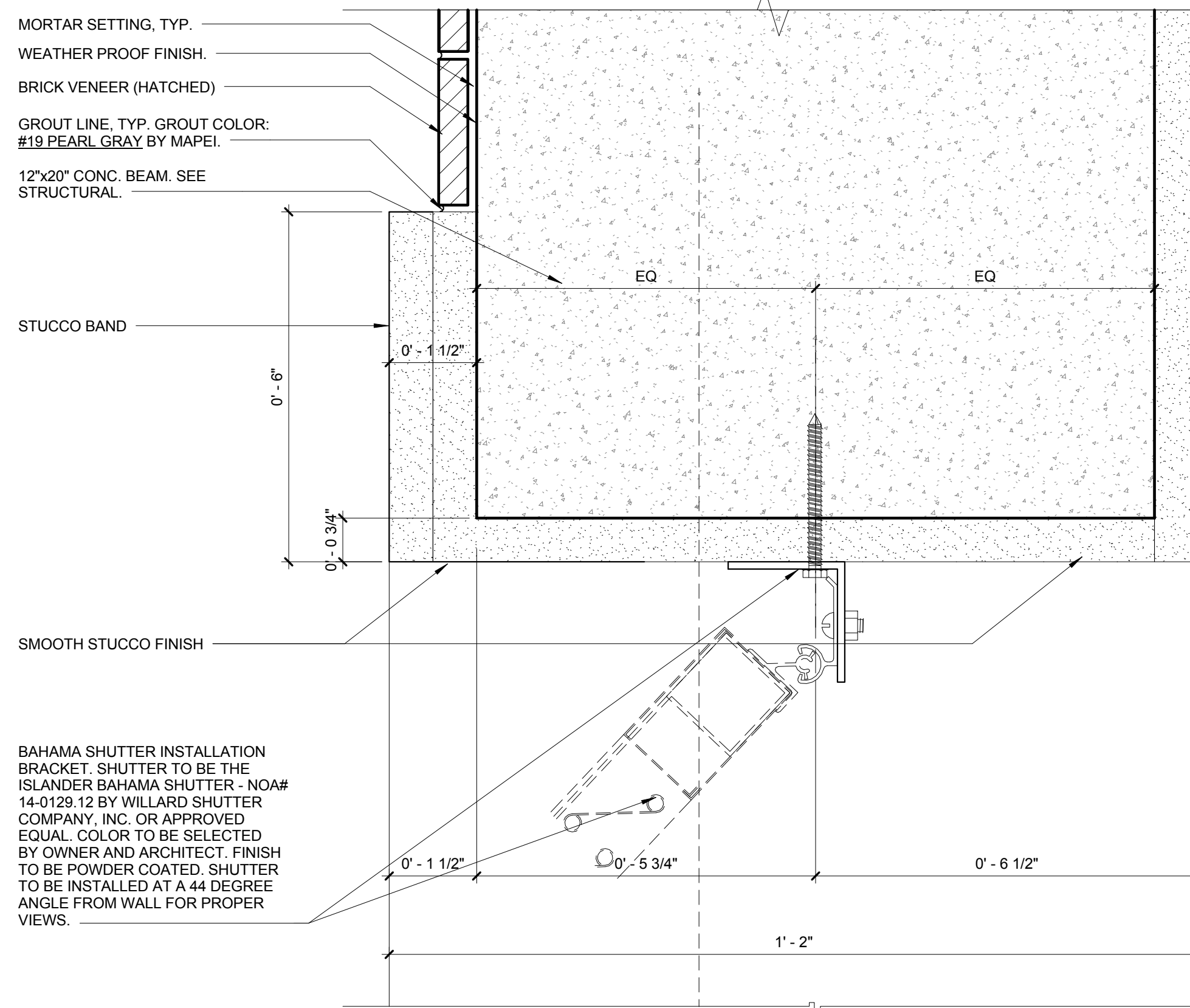
2 SOFFIT EDGE DETAIL  
A-502 SCALE: 1/2" = 1'-0"



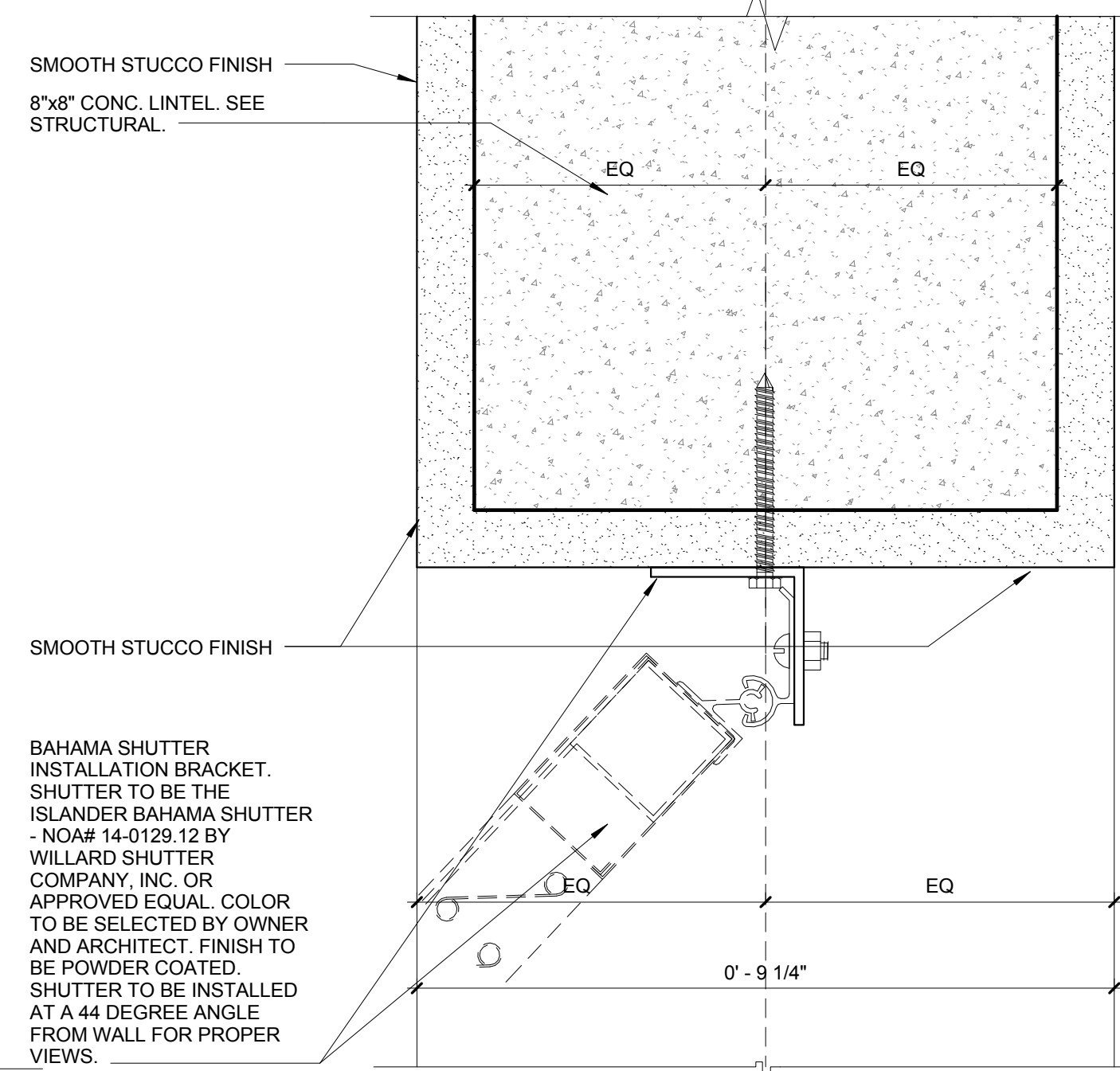
5 STUCCO BAND/BRICK VENEER DETAIL 1  
A-502 SCALE: 1/2" = 1'-0"

NOTE: BRICK VENEER TO BE INSTALLED BY ONE OF THE FOLLOWING:

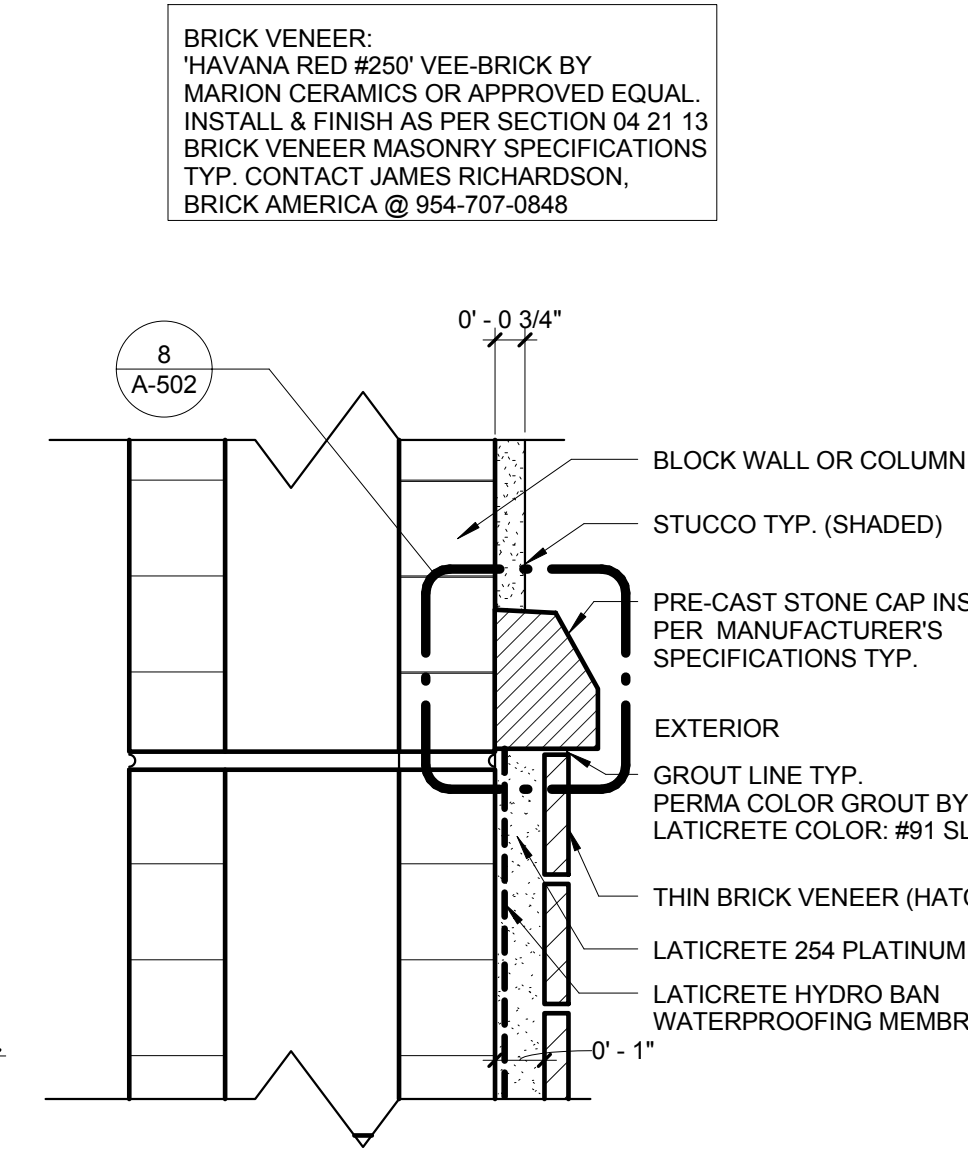
RAY'S BRICK AND STONE	RAY BREIGHNER	954-610-9985
TRINITY PLASTERING	NEIL MATHIS	954-708-3103
EZ ART	CARLOS CHAVEZ	954-479-0152
MOUNTAIN STONE	STAN COMBS	954-899-5555



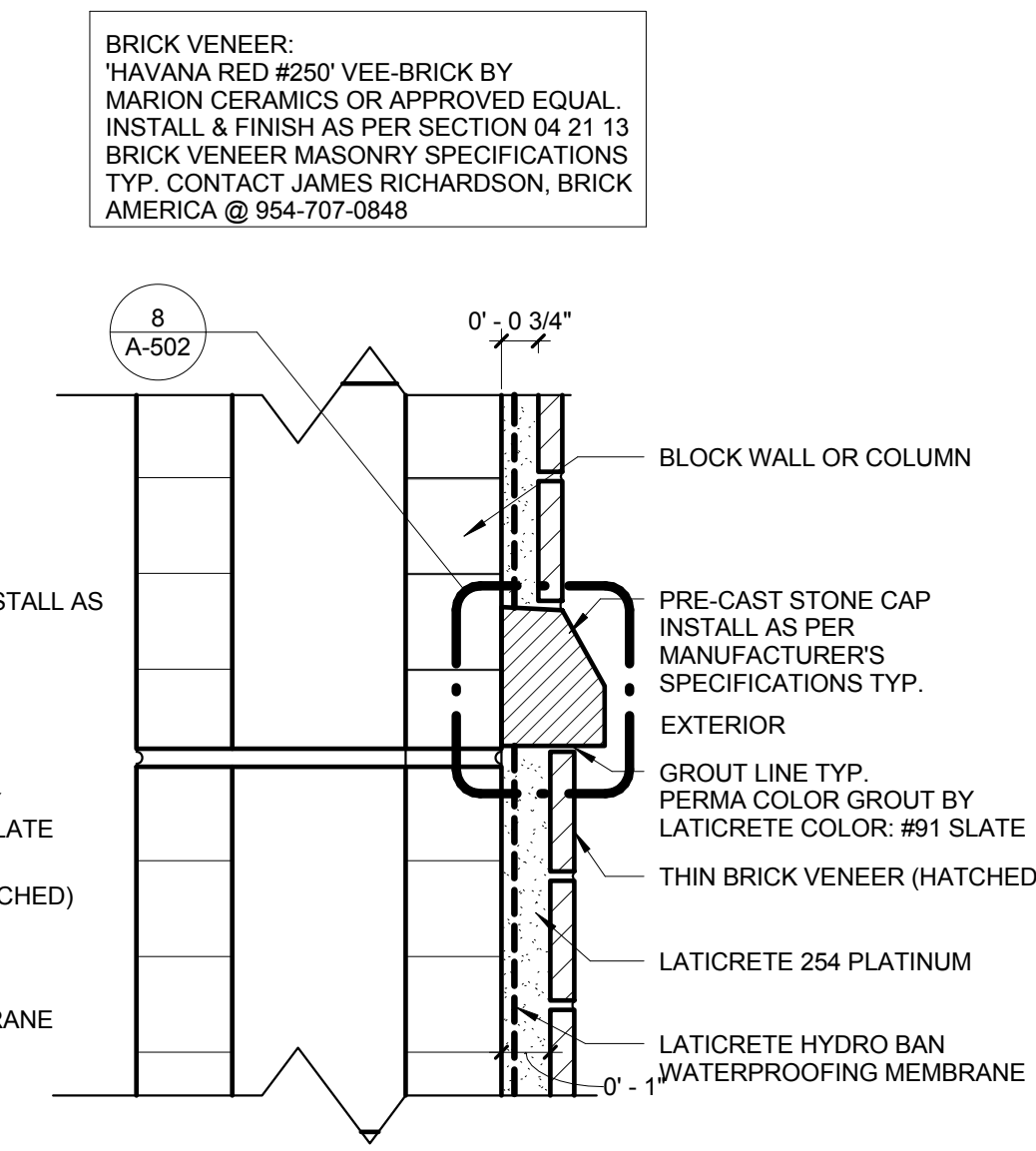
3 TYP. SHUTTER DETAIL W/BRICK VENEER FACE & STUCCO BAND  
A-502 SCALE: 6" = 1'-0"



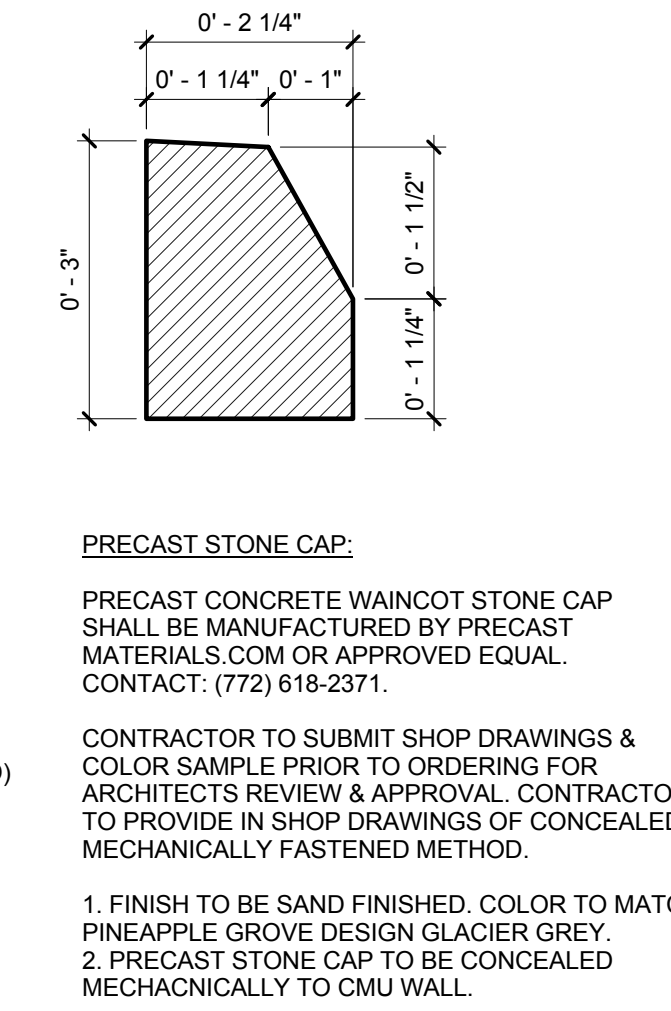
4 SHUTTER MOUNTING DETAIL  
A-502 SCALE: 6" = 1'-0"



6 STONE CAP STUCCO/BRICK VENEER WALL DETAIL  
A-502 SCALE: 3" = 1'-0"



7 STONE CAP STUCCO/BRICK VENEER WALL DETAIL  
A-502 SCALE: 3" = 1'-0"



8 PRECAST STONE CAP DETAIL DETAIL  
A-502 SCALE: 6" = 1'-0"

**PRECAST STONE CAP:**  
PRECAST CONCRETE WAINCOT STONE CAP SHALL BE MANUFACTURED BY PRECAST MATERIALS.COM OR APPROVED EQUAL. CONTACT: (772) 618-2371.

CONTRACTOR TO SUBMIT SHOP DRAWINGS & COLOR SAMPLE PRIOR TO ORDERING FOR ARCHITECTS REVIEW & APPROVAL. CONTRACTOR TO PROVIDE IN SHOP DRAWINGS OF CONCEALED MECHANICALLY FASTENED METHOD.

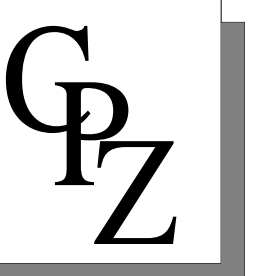
1. FINISH TO BE SAND FINISHED. COLOR TO MATCH PINEAPPLE GROVE DESIGN GLACIER GREY.  
2. PRECAST STONE CAP TO BE CONCEALED MECHANICALLY TO CMU WALL.

FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-5252 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Architectural Details

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

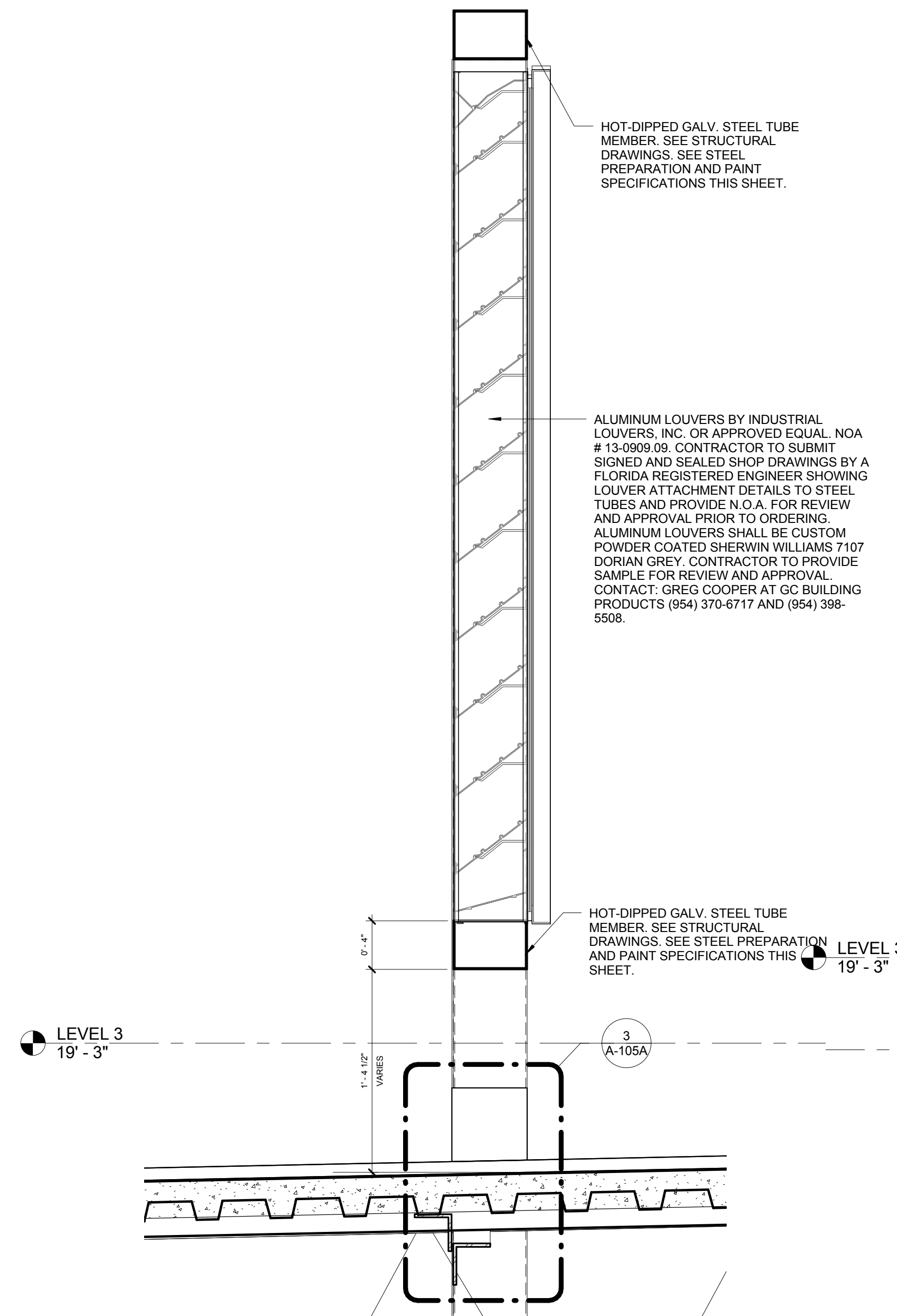
A-502

DATE:

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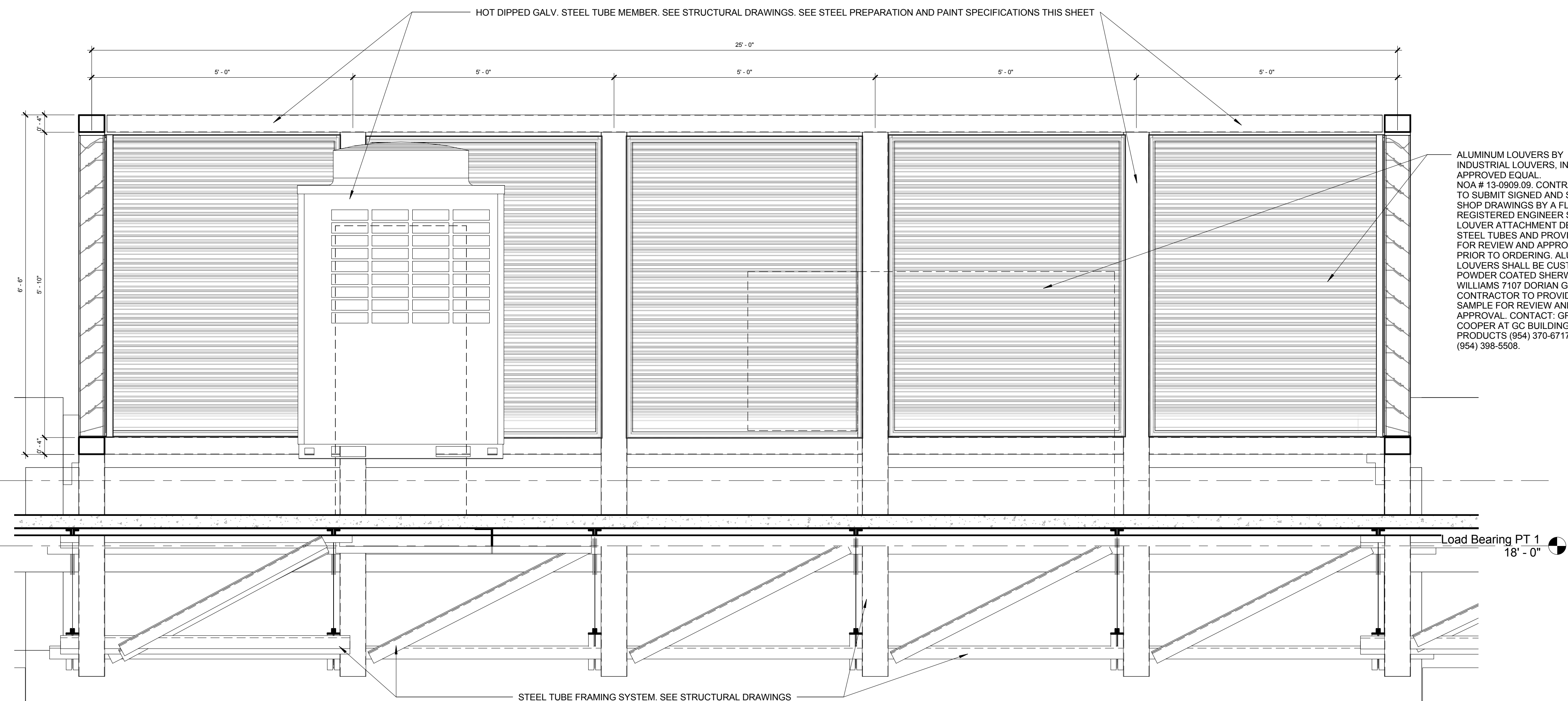
NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:



**1**  
A-503 SCALE: 1/2" = 1'-0"

**ROOF TOP EQUIPMENT LOUVER SCREENING SECTION**



**2**  
A-503 SCALE: 3/4" = 1'-0"

**ROOF TOP EQUIPMENT LOUVER SCREENING ELEVATION**

**THE SOCIETY FOR PROTECTIVE COATING (SSPC) SPECIFICATION.**

1. WATERBORNE DRYFALL SYSTEM  
 PREPARATION: SSPC-SP1  
 SSPC-SP1, CHEMICAL CLEANING  
 THIS METHOD INVOLVES THE REMOVAL OF DIRT, OIL, GREASE AND OTHER FOREIGN MATERIALS WITH ORGANIC SOLVENTS, DETERGENTS OR COMMERCIAL CLEANERS USING ONE OF SEVERAL CLEANING METHODS SUCH AS WIPING, STEAM CLEANING, OR VAPOR DEGREASING. USE ONE OR MORE OF THE FOLLOWING TECHNIQUES:  
 PURE STRENGTH CONCENTRATED CLEANER/DEGREASER; REMOVES GREASE, OIL, DIRT, AND SIMILAR CONTAMINANTS QUICKLY AND EASILY. APPLY DIRECTLY ON THE SURFACE TO BE CLEANED AND RUB WITH CLOTH, SPONGE, OR STIFF BRISTLED BRUSH, AND THEN RINSE THOROUGHLY WITH FRESH WATER. USE FULL STRENGTH ON HEAVILY SOILED SURFACE OR DILUTE FOR GENERAL PURPOSE CLEANING. THE SURFACE MUST BE COMPLETELY DRY BEFORE THE APPLICATION OF COATING.  
 PURE STRENGTH CLEANER/DEGREASER; REMOVES DIRT, GREASE, OIL, ADHESIVES, ROAD TAR, AND MORE. AGITATE FOR ONE MINUTE BEFORE USE. APPLY DIRECTLY ON THE SURFACE. RUB WITH A BRUSH OR CLOTH, AND RINSE THOROUGHLY WITH CLEAN WATER OR WIPE WITH A DAMP CLOTH. FOR LARGE JOBS DILUTE CLEANER/DEGREASER WITH WATER. ALL SURFACES MUST BE DRY BEFORE COATING IS APPLIED.  
 STEAM CLEANING; RECOMMENDED FOR REMOVING GREASE, OIL, SALT, ACID, ALKALI, AND SIMILAR CHEMICAL RESIDUE FROM LARGE AREAS. FOR MAXIMUM EFFECTIVENESS, STEAM CLEANING SHOULD BE USED IN COMBINATION WITH ALKALINE CLEANING. THE SURFACE MUST BE THOROUGHLY DRY AND FREE OF RESIDUE BEFORE IT IS COATED.  
 ALKALINE CLEANING; FOR REMOVAL OF DUST, DIRT, WAX, GREASE, OIL, FAT, SALT, ACID RESIDUE, ETC., SCRUB SURFACE WITH A STRONG COMMERCIAL DETERGENT SOLUTION SUCH AS TRISODIUM PHOSPHATE (TSP), THEN FLUSH THOROUGHLY WITH FRESH WATER. SURFACE MUST BE COMPLETELY DRY AND FREE OF ANY RESIDUE BEFORE IT IS COATED.  
 VOLATILE SOLVENT CLEANING; MAKE CERTAIN THE AREA IS WELL VENTILATED. APPLY SOLVENT TO THE SURFACE WITH CLOTHS, SPONGES, OR BRUSHES AND SCRUB TO REMOVE GREASE AND OIL. SEVERAL SUCCESSIVE WIPINGS ARE USUALLY NECESSARY, USING CLEAN CLOTHS AND SOLVENT EACH TIME. FOR OPTIMUM RESULTS FOLLOW WITH ALKALINE CLEANING.  
 STEP 2:  
 PRIMER COAT: S-W MACROPOXY 646 FAST CURE EPOXY, B58-600 SERIES (7-13.5 MILS WET; 5-10 MILS DRY)  
 STEP 3:  
 INTERMEDIATE COAT: S-W ALL SURFACE ENAMEL INT/EXT. LATEX SATIN BLACK.  
 STEP 4:  
 FINISH COAT: S-W ALL SURFACE ENAMEL INT/EXT. LATEX SATIN BLACK, A41B201 (4.0 MILS WET, 1.6 MILS DRY PER COAT)  
 2. EXTERIOR ROOF HOT DIPPED GALV. STEEL TUBES COLOR TO BE SHERWIN WILLIAMS SW 7107 DORIAN GREY. RAINSCREEN BAR JOISTS AND ANGLES COLOR TO BE SW 6866 HEARTTHROB. GLOSS FINISH. METAL DECK COLOR TO BE SW 7723 COLONY BLUFF, SATIN FINISH.

**3**  
A-503 SCALE: 1/8" = 1'-0"

**STEEL PREP. & PAINT SPEC. FRO EXPOSED HOT DIPPED GALVANIZED METAL DECKING BAR JOISTS, TUBES, AND ANGLES ONLY**

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

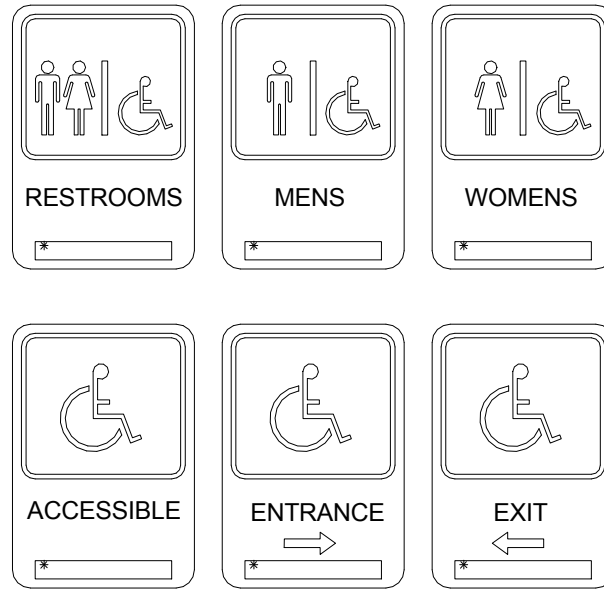
CPZ ARCHITECTS, INC.  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-6252 FAX: (954) 337-0359  
 AN 1506066 WWW.CPZARCHITECTS.COM  
 FIRE STATION 50  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:  
**Architectural Details**  
 DRAWN: Author  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: As Indicated  
 PROJECT NO. 1220D  
 SHEET:

**A-503**

DATE:



- LIST OF SIGNS:  
(QUANTITY) TITLE (REMARKS)
- (1) VESTIBULE- 1
  - (1) BATH TRIAGE- 2
  - (2) STAIR #1- 3
  - (1) STORAGE- 4
  - (1) CAPTAIN'S DORM- 6
  - (1) OFFICE- 7
  - (1) DAY ROOM- 8
  - (1) KITCHEN- 9
  - (1) PANTRY #1- 10
  - (1) MECHANICAL RM- 11
  - (1) GENERATOR RM- 12
  - (1) PATIO- 13
  - (3) STAIR #2- 14
  - (1) PANTRY #2- 15
  - (1) PANTRY #3- 16
  - (1) LAUNDRY- 17
  - (1) DECON- 18
  - (1) BUNKER/GEAR 20
  - (2) APPARATUS BAY- 21
  - (1) MEDICAL STORAGE- 22
  - (1) ENGINE ROOM- 23
  - (1) BATHROOM- 24
  - (1) ELEVATOR- 25
  - (1) WATCH ROOM- 26
  - (1) GYM- 28
  - (1) DORM ROOM #1-30
  - (1) DORM ROOM #2- 31
  - (1) DORM ROOM #3- 32
  - (1) TRAINING AREA- 33
  - (1) CLOSET- 34
  - (1) DORM ROOM #4- 35
  - (1) DORM ROOM #5- 36
  - (1) DORM ROOM #6- 37
  - (1) DORM ROOM #7- 38
  - (1) IT ROOM- 39
  - (1) DORM ROOM #8- 41
  - (1) ADA UNISEX BATHROOM- 42
  - (1) UNISEX BATHROOM- 43
  - (1) UNISEX BATHROOM- 44
  - (1) ELEV. CONTROL ROOM- 45
  - (1) ROOF ACCESS

ALL INTERIOR SIGNS TO BE BY "BEST SIGN SYSTEMS, INC." TEL. (800) 235-2378.

RAISED LETTERS, BRAILLE & SYMBOLS IN ACCORDANCE WITH ADA.

ALL CORNERS TO BE RADIUS.

BACKGROUND COLOR TO BE "194 PEARL GRAY" WITH "103 BLACK" LETTERS. (LRV=90).

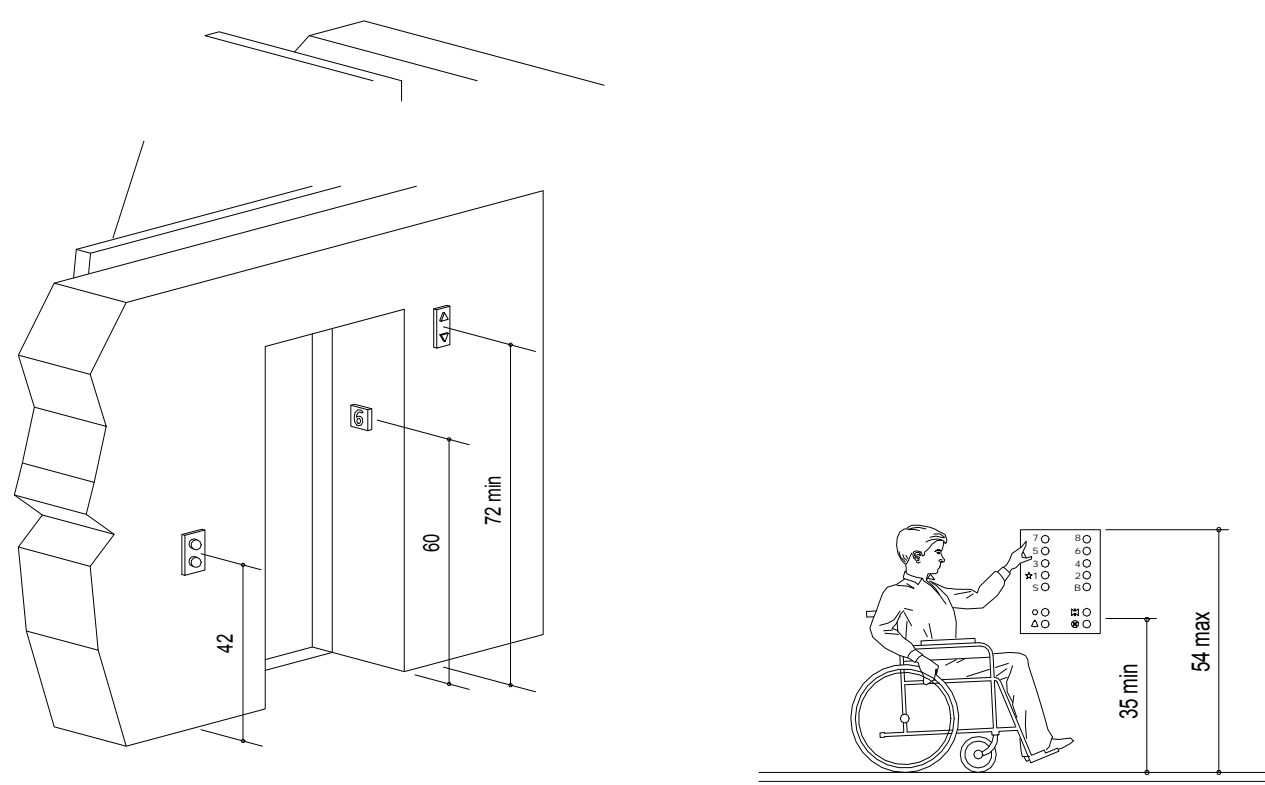
MOUNTING METHOD TO BE VINYL TAPE. MOUNTING HEIGHT TO BE 5'-0" A.F.F. TO CENTERLINE OF SIGN.

ALL SIGNAGE TO BE MOUNTED TO COMPLY WITH ADA REQUIREMENTS.

SUBMIT SHOP DRAWINGS FOR ARCHITECT'S REVIEW & APPROVAL PRIOR TO FABRICATION.

\* PROVIDE NFPA SIGN DIESEL FUEL NO SMOKING NO OPEN FLAMES, ALUMINUM 10"x14"

INTERIOR/EXTERIOR ROOM SIGNAGE



HOISTWAY AND ELEVATOR ENTRANCE CONTROLS

4" x 2" STEEL ANGLE LADDER SUPPORTS, WELD TO SIDE-RAILS, ANCHORED TO CONCRETE WITH 3/8" EXPANSION ANCHORS. (TYPICAL @ EACH SIDE)

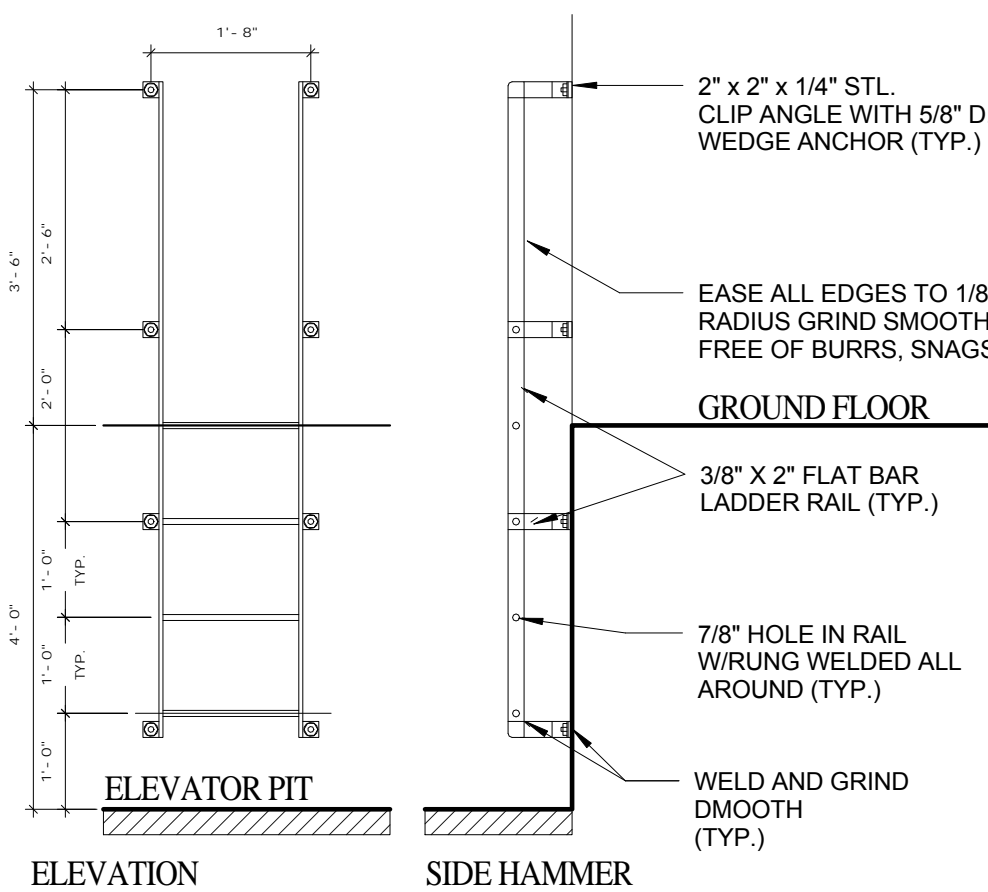
FACE OF CONCRETE WALL

PLAN

STEEL LADDER  
LADDER RUNS AT 12" O.C. BOTTOM RUN TO START AT 12" FROM CENTER LINE TO FLOOR.

4" x 2" STEEL FLAT BAR LADDER STRINGER (STRINGER SHALL CONTINUE TO ABOVE FLOOR LINE AT ELEV. PIT AREA AND SECURE WITH 3/8" EXPANSION ANCHORS).

NOTE:  
EXTEND SIDE-RAILS 42" ABOVE FIRST FLOOR LEVEL.



ELEVATOR PIT LADDER

4 ELEVATOR DETAILS  
SCALE: N.T.S.

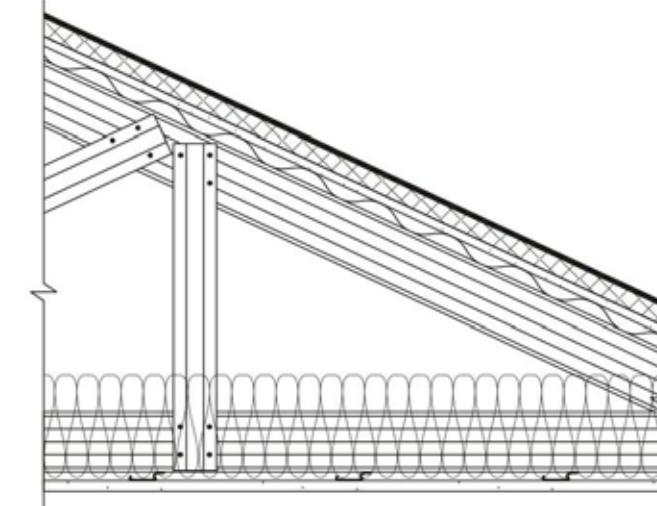
GA FILE NO. RC 2501 PROPRIETARY\* 1 HOUR FIRE

STEEL ROOF TRUSSES, RESILIENT OR RIGID CHANNELS, THERMAL INSULATION, GYPSUM WALLBOARD

One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient or rigid furring channels with 1 1/8" Type S drywall screws 12" o.c. Channels spaced 12" o.c. when insulation is used or 16" o.c. when no insulation is used. Gypsum board end joints attached with screws 12" o.c. to additional pieces of channel 60" long located 3" back on either side of end joint. Resilient channels applied at right angles to bottom chord of pitched or parallel chord steel trusses 48" o.c. with 1/2" Type S-12 screws or rigid furring channels secured to the bottom chord of each truss with double-strand wire saddle ties (refer to furring channel manufacturer for maximum spans). Optional glass fiber or mineral fiber batt or loose fill insulation applied directly over gypsum board. Trusses supporting metal roof deck panels covered by 1/2" regular gypsum sheathing either loose laid or adhesively or mechanically attached to roof deck. Any thickness polyisocyanurate foamed plastic; polystyrene foamed plastic; or mineral fiber or glass fiber insulation boards laid over gypsum sheathing and covered by a Class A, B, or C roof covering.

PROPRIETARY GYPSUM BOARD  
National Gypsum Company - 5/8" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard

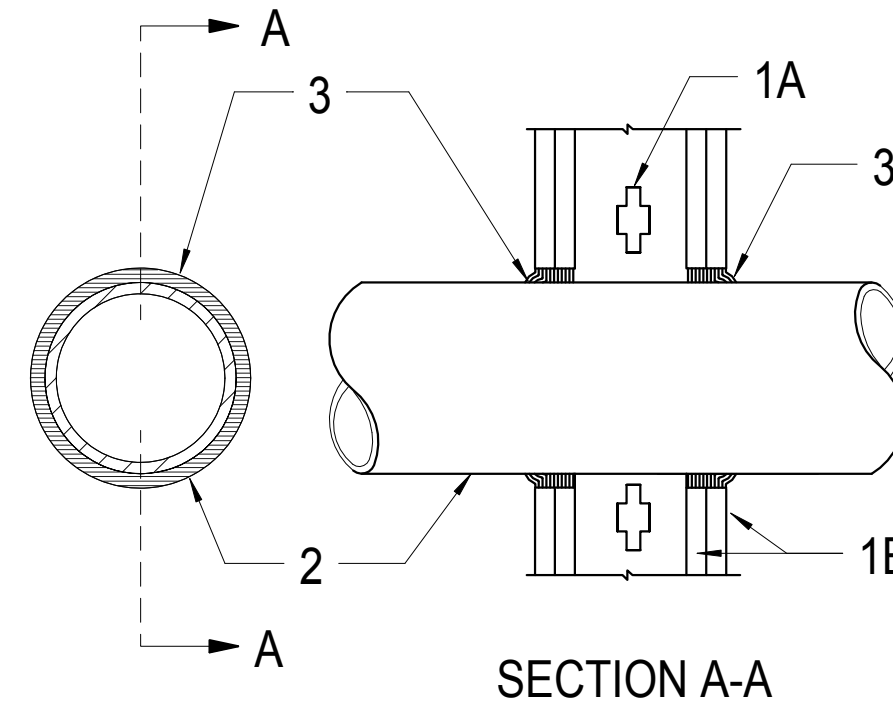
Approx. Ceiling Weight: 3 psf  
Fire Test: UL R3501, 01NK49664, 9-5-02, UL Design P540



2 1 HOUR FIRE RATED CEILING - GA FILE No. RC 2501  
SCALE: N.T.S.

SYSTEM NO. W-L-1001

(FORMERLY SYSTEM NO. 147)  
F Ratings- 1, 2, 3 and 4 Hr (See Item 3)  
L Rating At Ambient- less than 1 CFM/sq ft  
L Rating At 400 F- less than 1 CFM/sq ft



1. WALL ASSEMBLY- The 1,2,3, or 4 hr fire rated gypsum wall board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs- Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaces max 24 in. OC.
- B. Gypsum Board- Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener types and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in.

2. THROUGH PENETRANT- One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the fire stop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (point contact) to max 2 in. pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

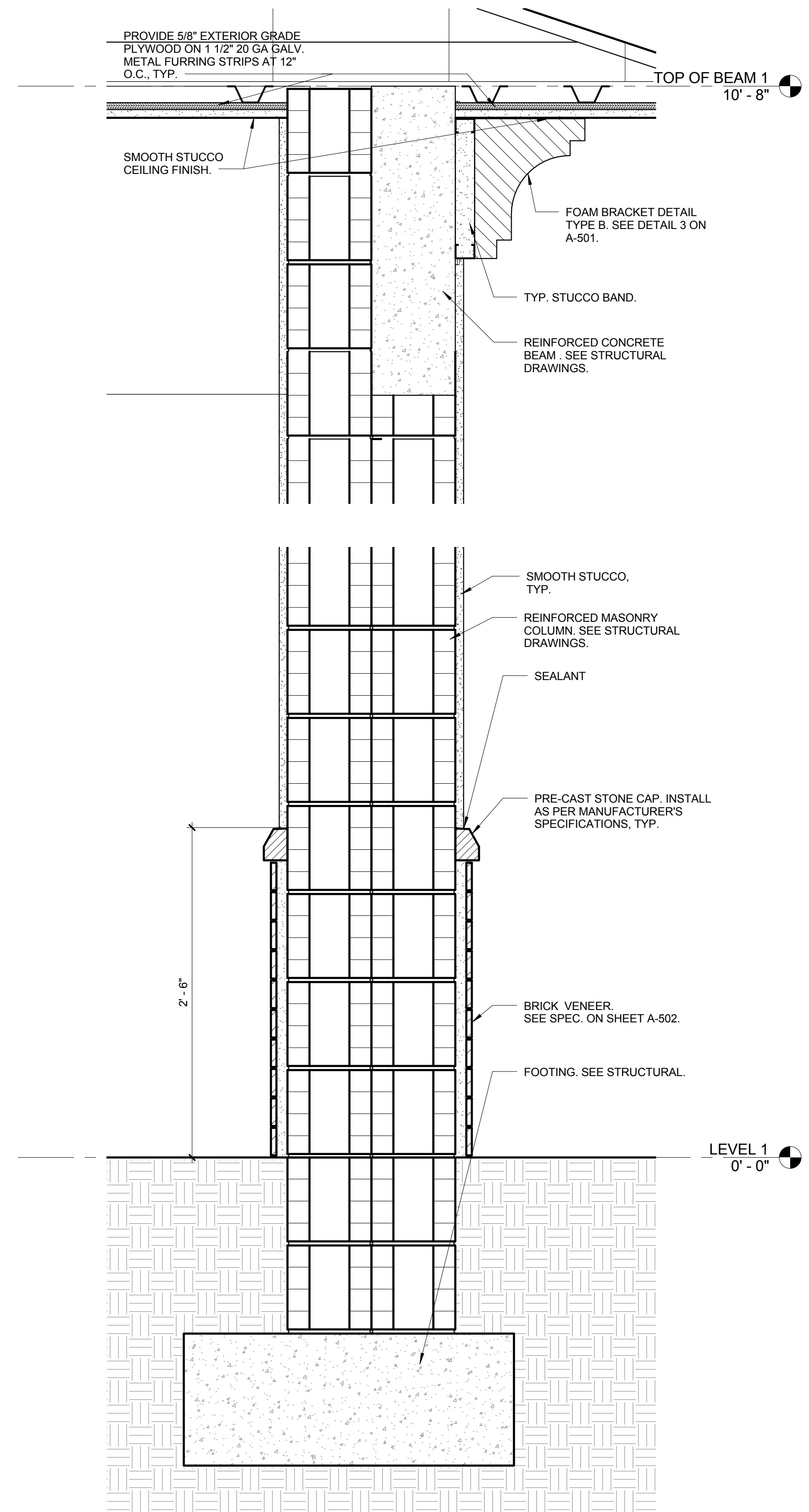
- A. Steel Pipe- Nom 2 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Iron Pipe- Nom 24 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
- C. Conduit- Nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel electrical metallic tubing.
- D. Copper Tubing- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
- E. Copper Pipe- Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
- F. Through Penetrating Product\*- Flexible Metal Piping The following types of steel flexible metal gas piping may be used:

- 1. Nom 2 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
- OMEGA FLEX INC
- 2. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly
- WARD MFG INC
- 3. Fill, Void or Cavity Material\*- Caulk- Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. thickness of caulk for 1,2,3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/penetraant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

MAX. Pipe or Conduit Diam in	F Rating Hr	T Rating Hr
1	1 or 2	0+, 1 or 2
1	3 or 4	3 or 4
4	1 or 2	0
6	3 or 4	0
12	1 or 2	0

\*When copper pipe is used, T Rating is 0 h.  
3M COMPANY - CP 25WB+  
\*Bearing the UL Classification Mark

3 FIRE PENETRATION DETAIL  
SCALE: N.T.S.



5 Typical Column Detail  
SCALE: 1 1/2" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8252 FAX: (954) 337-0359  
AN 15206666 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Architectural Details

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As indicated  
PROJECT NO. 1220D  
SHEET:

A-504

DATE:

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DOOR SCHEDULE

Table with columns: NUMBER, LOCATION, TYPE, MATERIAL, SIZE (W, H, THICKNESS), FINISH, UNDER CUT, RATING, HARDWARE SETS, FRAME MATERIAL, FRAME FINISH, JAMB, HEAD, SILL, REMARKS. Rows include various door types like vestibule, bath triage, storage, etc.

DOOR NOTES:

- 1. WEATHER-STRIP ALL EXTERIOR DOORS.
2. DETAILS INDICATE BASIC WALL CONSTRUCTION AND DIMENSIONS. ALSO SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR SPECIAL FINISHES.
3. ALL EXTERIOR DOORS ARE TO BE IMPACT RESISTANT. CONTRACTOR SHALL SUBMIT METRO-DADE COUNTY PRODUCT APPROVALS.
4. ALL DOORS AND HARDWARE SHALL COMPLY WITH NFPA 101, SECTION 7.2.1
5. ALL WOOD DOORS TO BE SOLID CORE.
6. CONTRACTOR TO PROVIDE PRODUCT APPROVALS FOR ALL EXTERIOR DOORS FOR ARCHITECT'S REVIEW AND SUBMIT TO BUILDING DEPARTMENT. CONTRACTOR TO MARK SUBMITTALS CLEARLY TO IDENTIFY THE UNIT SIZE, ANCHOR TYPE AND SPACE FOR THE SPECIFIC UNIT APPLICABLE TO THIS PROJECT. SUBMIT PRODUCT APPROVALS AT TIME OF PERMITTING.

Table with columns: NO., REVISION, DATE. Rows 1-5.

CONSULTANT:

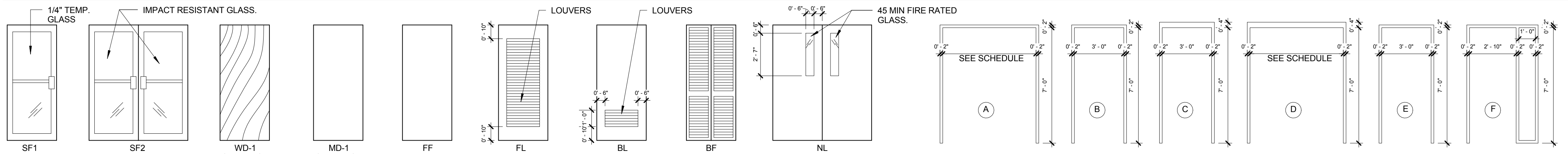
HARDWARE NOTES:

- 1. CONTRACTOR SHALL COORDINATE ALL HARDWARE REQUIREMENTS WITH THE OWNER PRIOR TO ORDERING.
2. ALL HINGES SHALL BE STAINLESS STEEL, BALL BEARING HINGES.
3. ALL DOOR CLOSURES TO BE BY "LCN" COMMERCIAL GRADE, ADA CODE COMPLIANT AND EQUIPPED WITH HOLDER OPEN FEATURE.
4. ALL DOORS AND FRAMES SHALL HAVE DOOR SILENCERS.
5. ALL HARDWARE SHALL BE 7 PIN SCHALGE "D" SERIES WITH LEVER ADA COMPLIANT LEVER.
6. ALL HARDWARE SHALL HAVE ADA COMPLIANT LEVERS AND MATCH BUILDING STANDARD.
7. CONTRACTOR SHALL COORDINATE ALL HARDWARE WITH METRO-DADE COUNTY PRODUCT APPROVALS OF THE EXTERIOR DOOR AND FRAMES. PRODUCT APPROVALS SHALL INCLUDE HARDWARE MANUFACTURER SPECIFIED ABOVE.
8. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW PRIOR TO ORDERING DOORS.
9. CONTRACTOR TO PROVIDE WOOD AND STAIN SAMPLES OF DOORS TO OWNER/ARCHITECT FOR REVIEW PRIOR TO ORDERING.
10. ALL OFFICE LOCKSETS ARE TO BE KEYED SEPARATELY.

DOOR ABBREVIATIONS:

Table mapping door abbreviations (ALUM, STL, UC, LV, HG, etc.) to their full names (ALUMINUM, STEEL, UNDERCUT, LOUVER, etc.).

INTERIOR DOOR AND FRAME ELEVATIONS



HARDWARE SCHEDULE

Hardware Schedule table listing items for groups 01-12, including descriptions, quantities, and specifications for hardware like hinges, locks, and seals.

FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC. 4316 WESTBROOK BOULEVARD PLANTATION, FLORIDA 33317 PHONE: (954) 792-8252 FAX: (954) 337-0359 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Door Schedule & Notes

DRAWN: RJMG

CHECKED: Checker

DATE: 07-25-2014

SCALE: As Indicated

PROJECT NO: 1220D

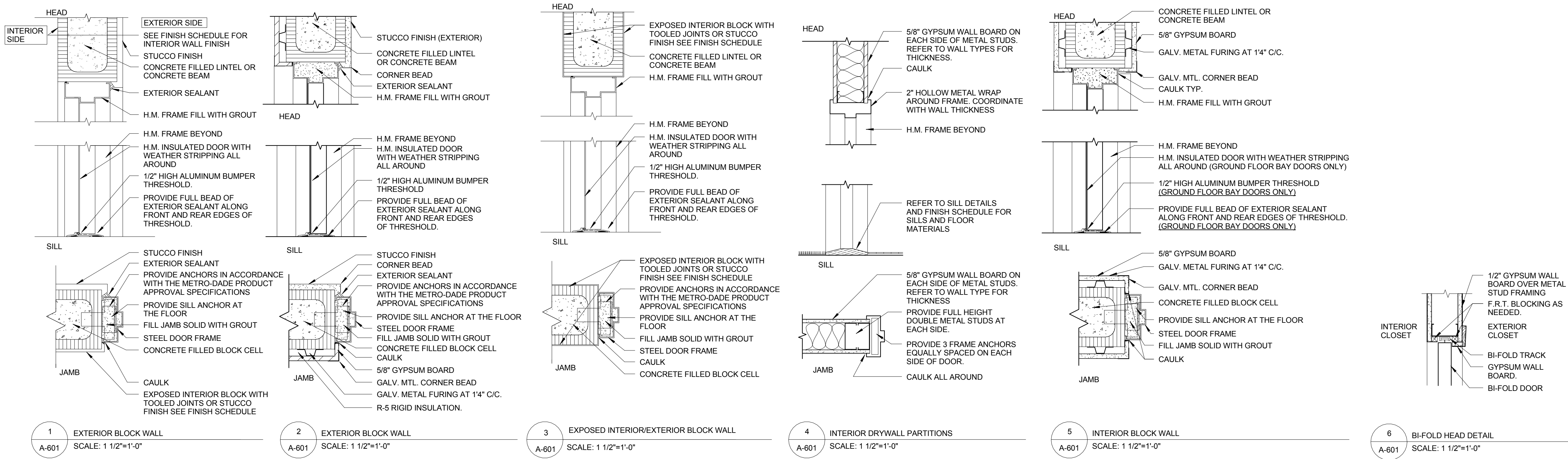
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A-600

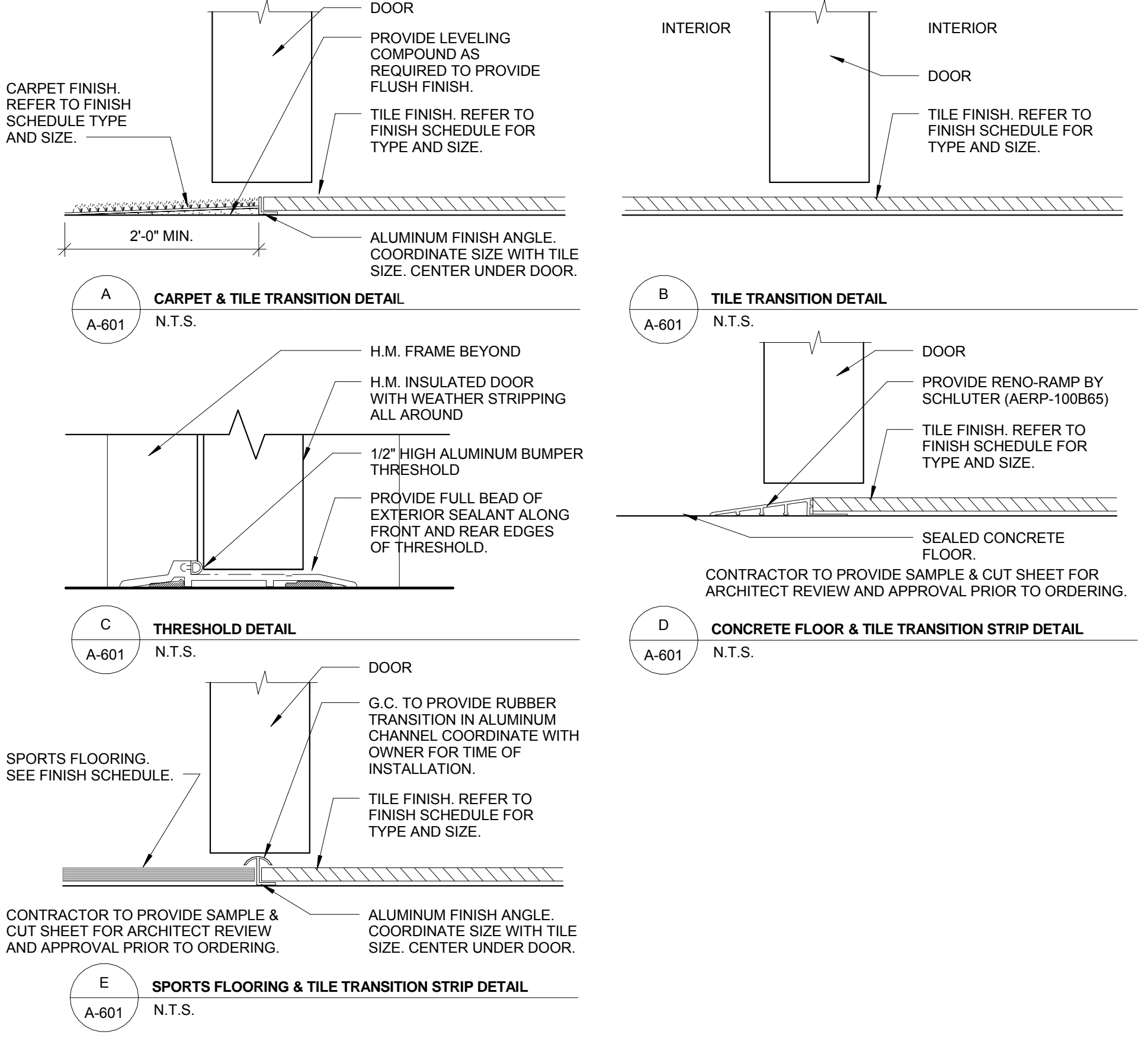
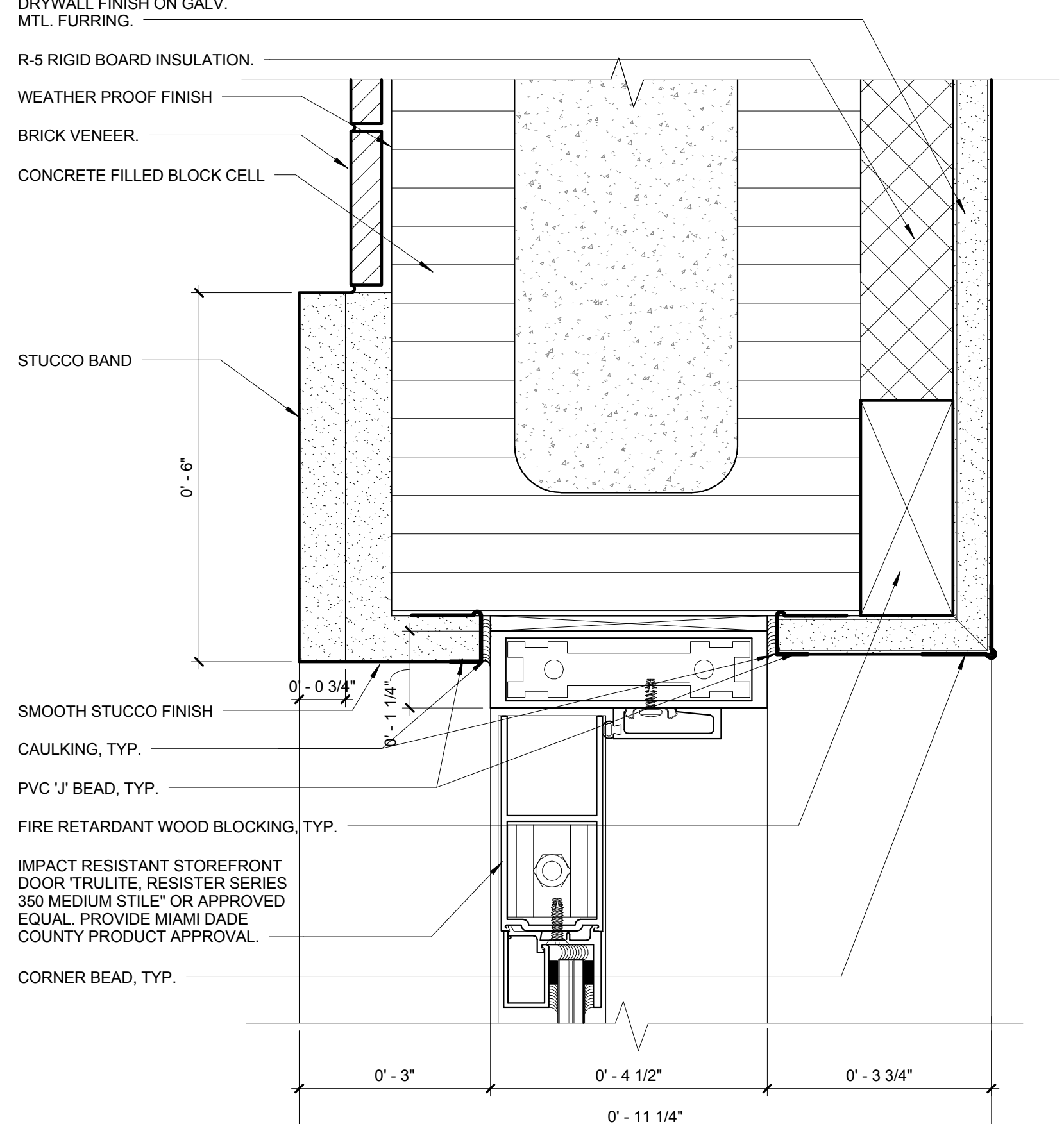
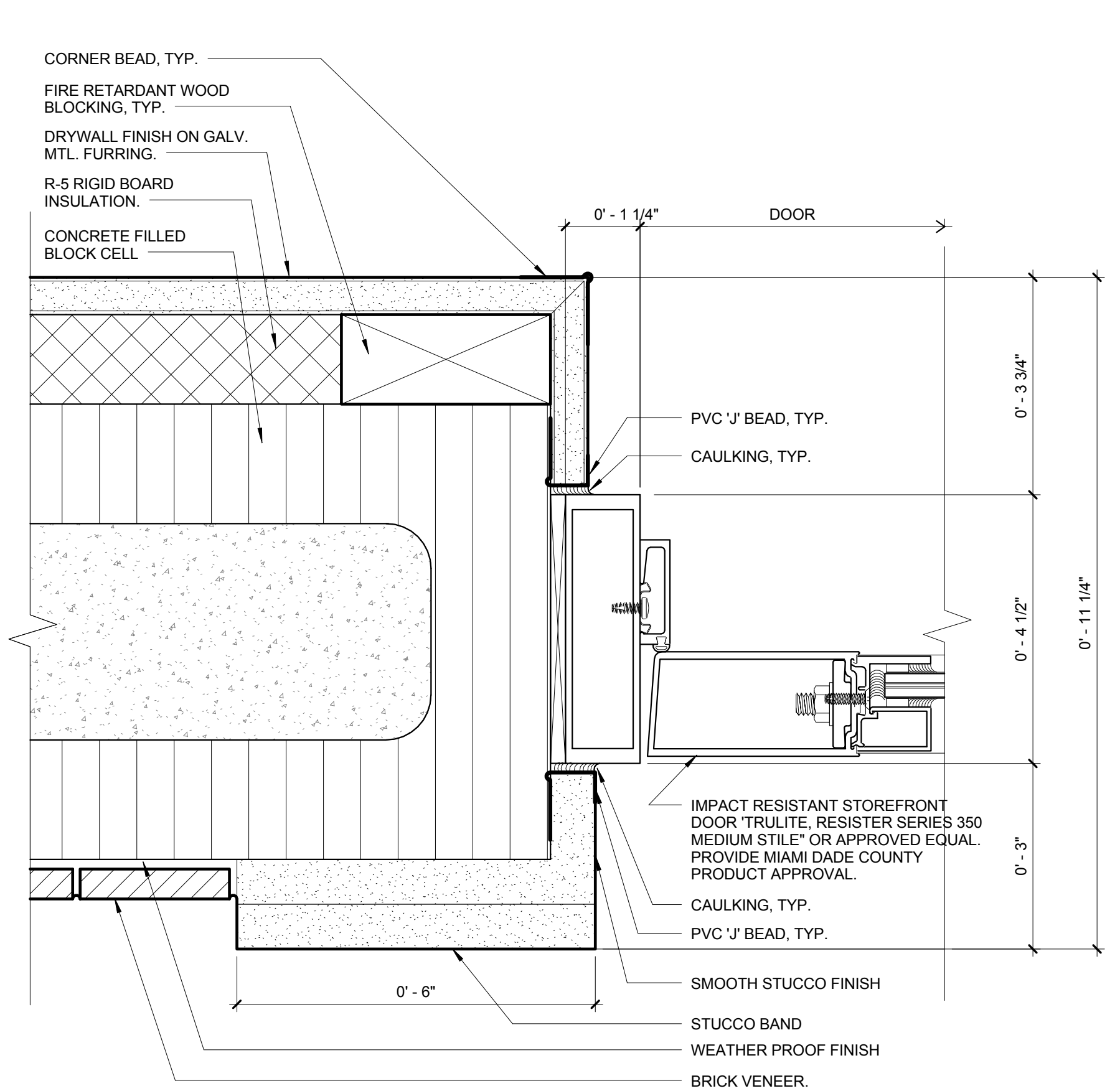
CHRIS P. ZIMMERMAN, A.I.A. REGISTERED ARCHITECT NO. 10395 STATE OF FLORIDA

DATE:

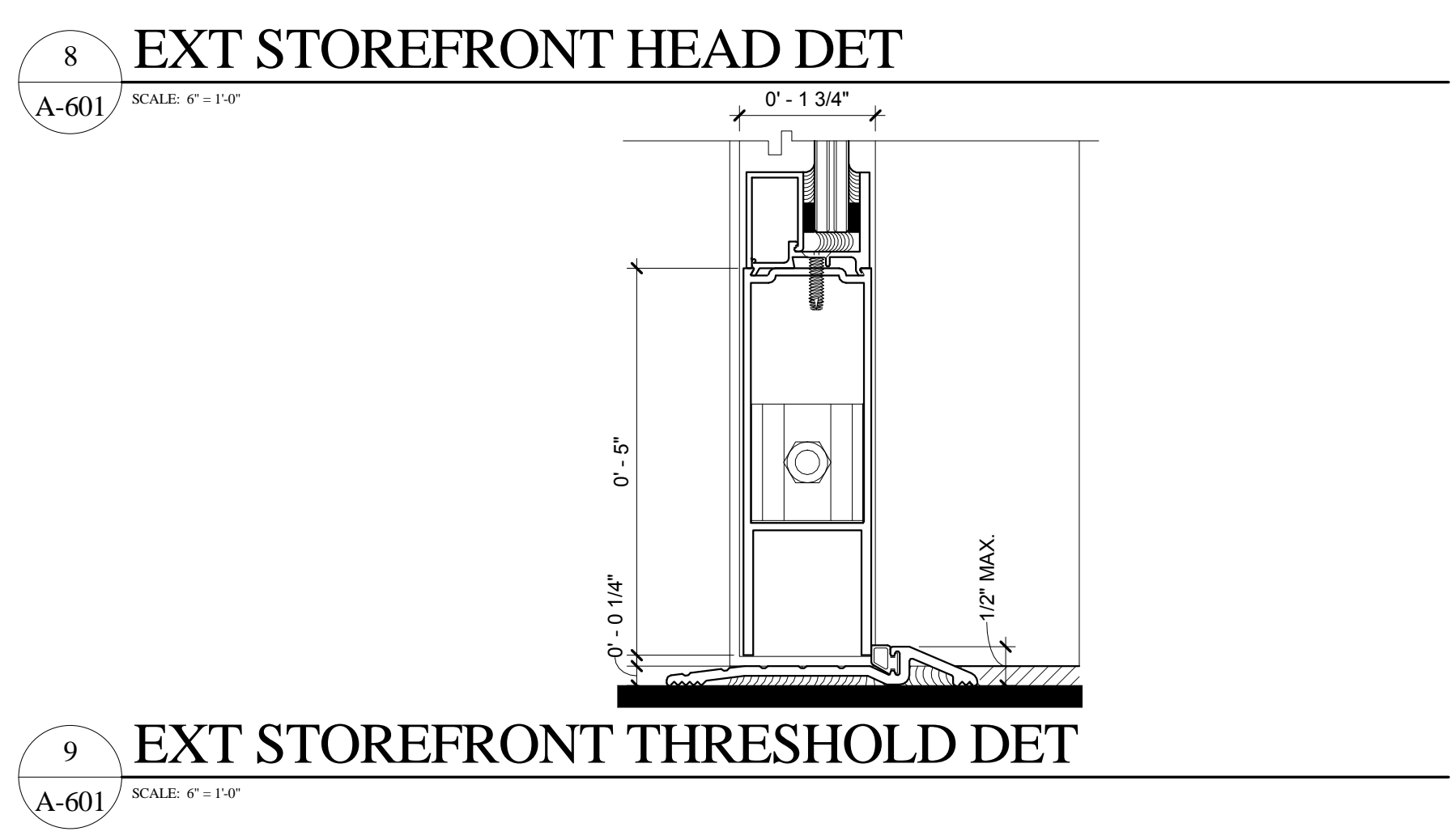
NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014



**HEADER/JAMB /SILL DETAILS**



**THRESHOLD DETAILS**



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**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY,  
 COCONUT CREEK, FLORIDA 33066  
**CPZ ARCHITECTS, INC.**  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8225 FAX: (954) 337-0359  
 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
**Door Details**  
 DRAWN: RJMG  
 CHECKED: Checker  
 DATE: 07-25-2014  
 SCALE: As Indicated  
 PROJECT NO. 1220D  
 SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO.  
 10395  
 STATE OF FLORIDA

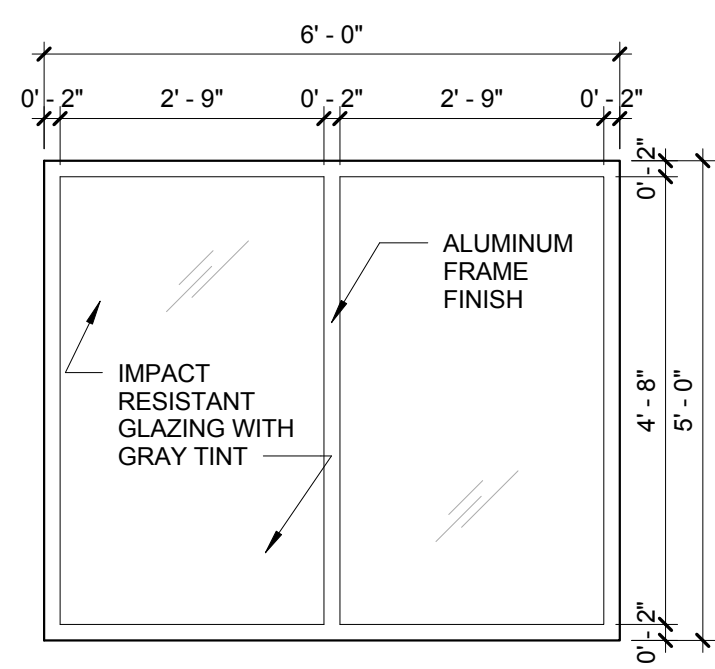
**A-601**

DATE:

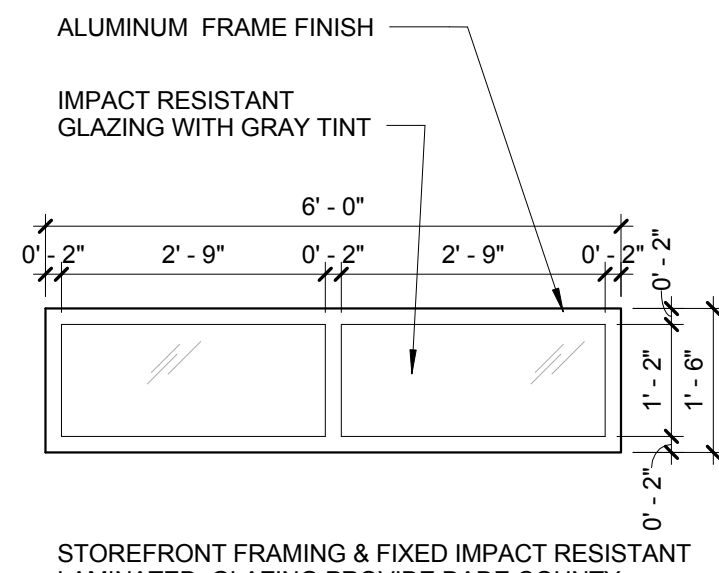


NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	01-25-2014
2	ISSUE REV #1	10-06-14

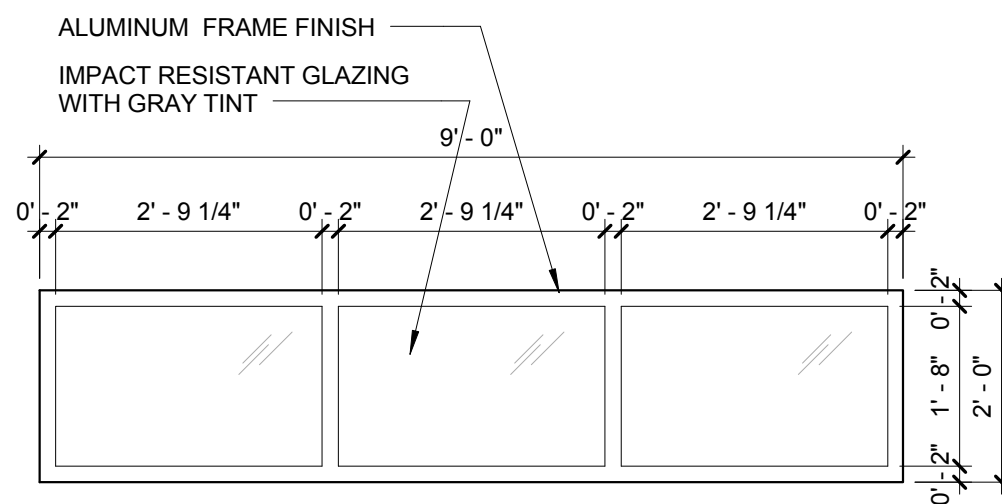
CONSULTANT:



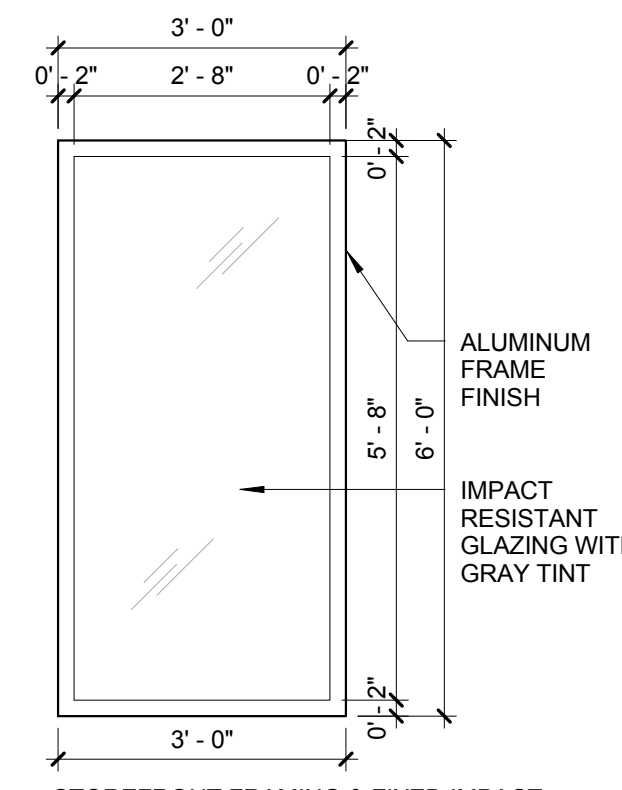
STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



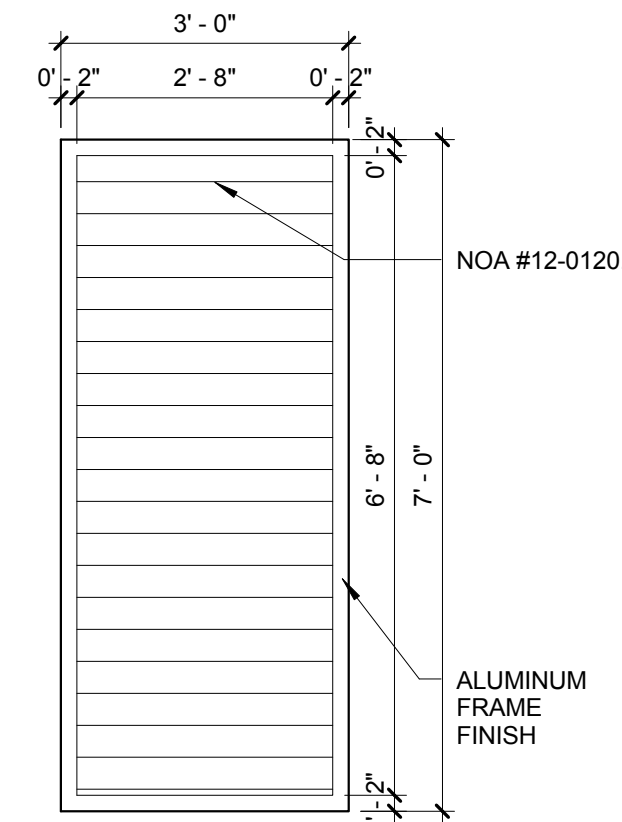
STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
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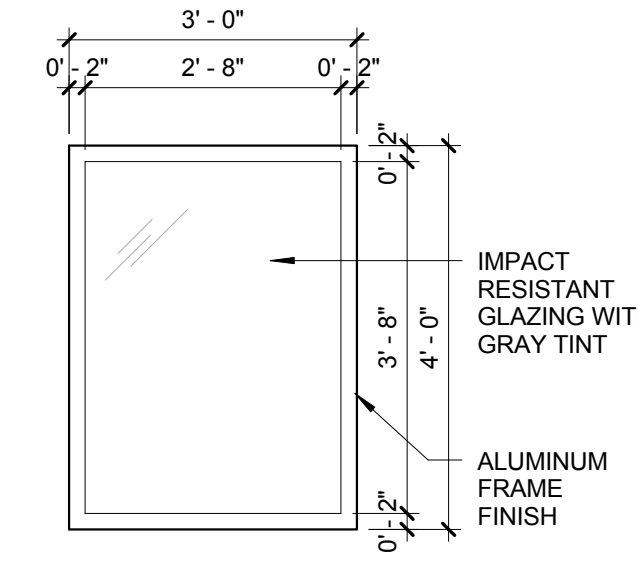
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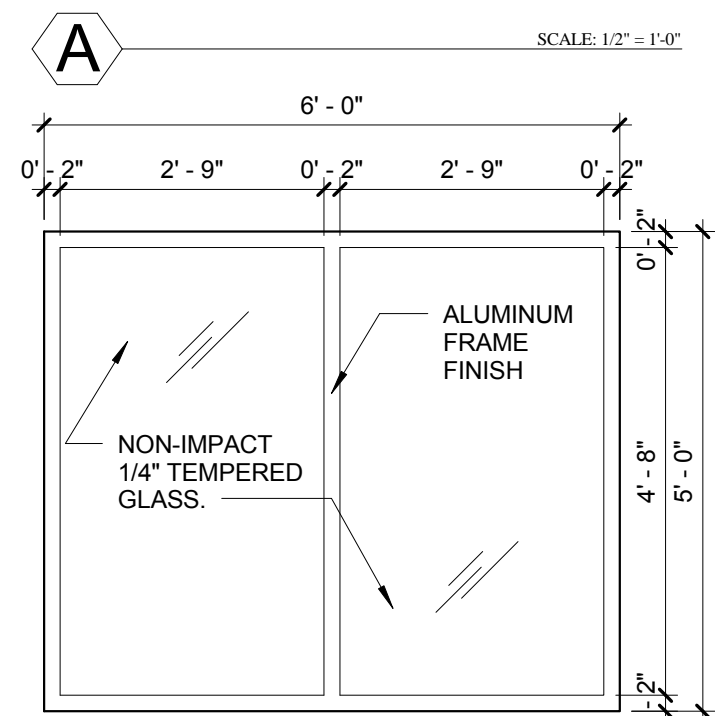
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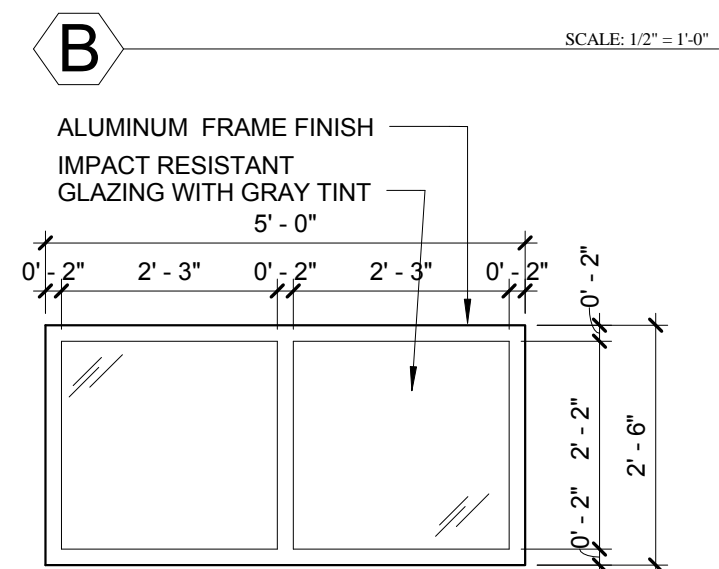
IMPACT RESISTANT HURRICANE LOUVER.



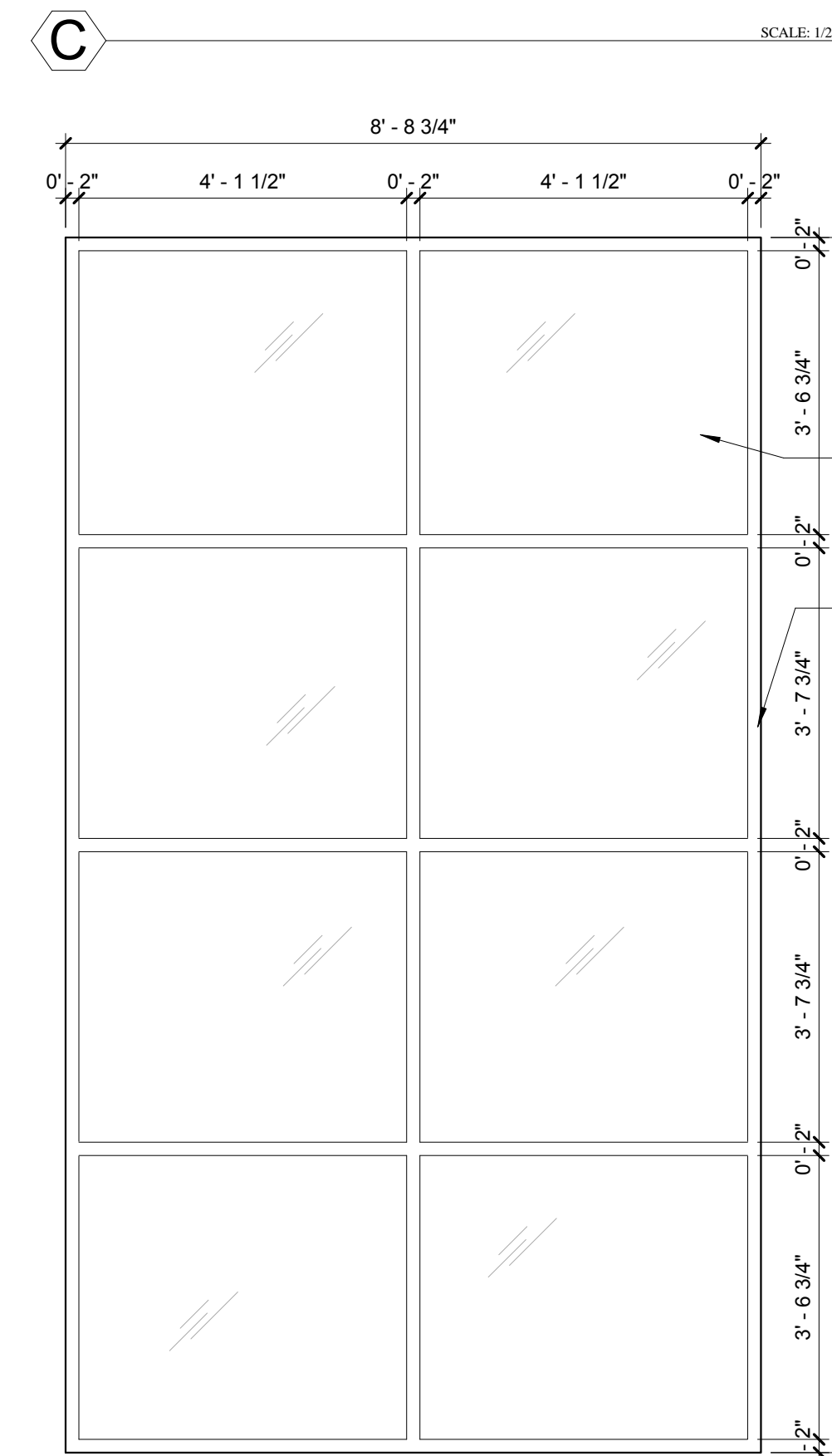
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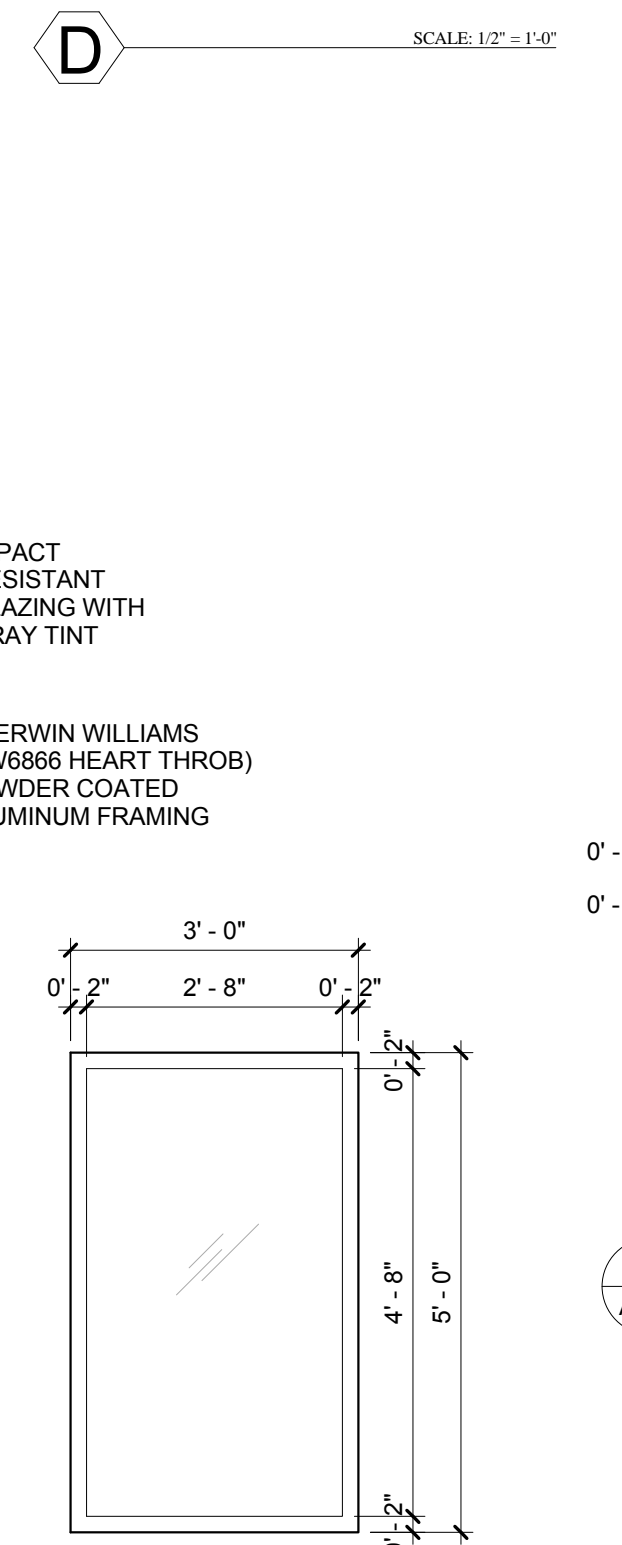
STORE FRONT FRAMING AND NON-IMPACT 1/4" TEMPERED GLASS BY TRULITE 200 SERIES MEDIUM. NOA#11-1101.03.



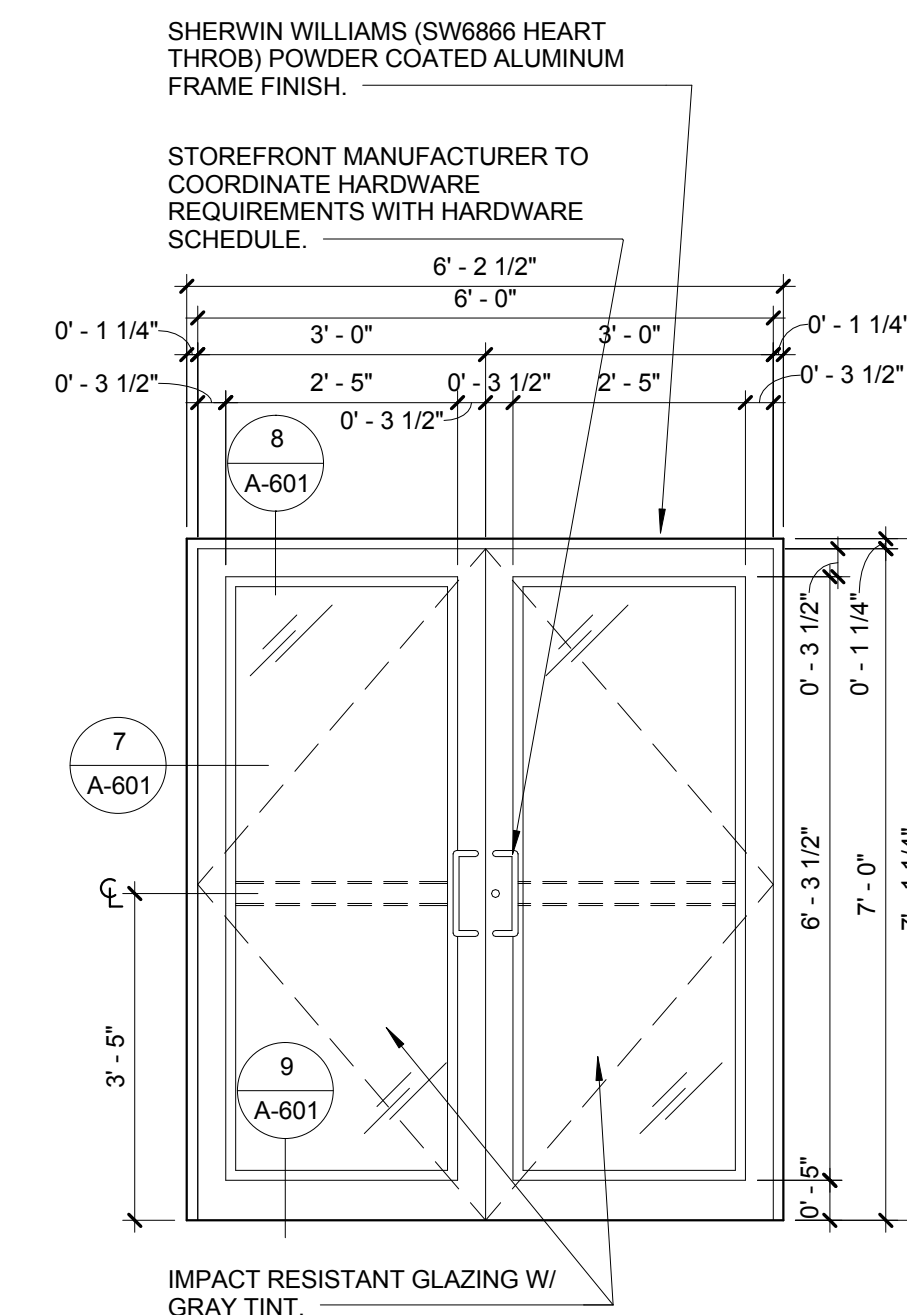
STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



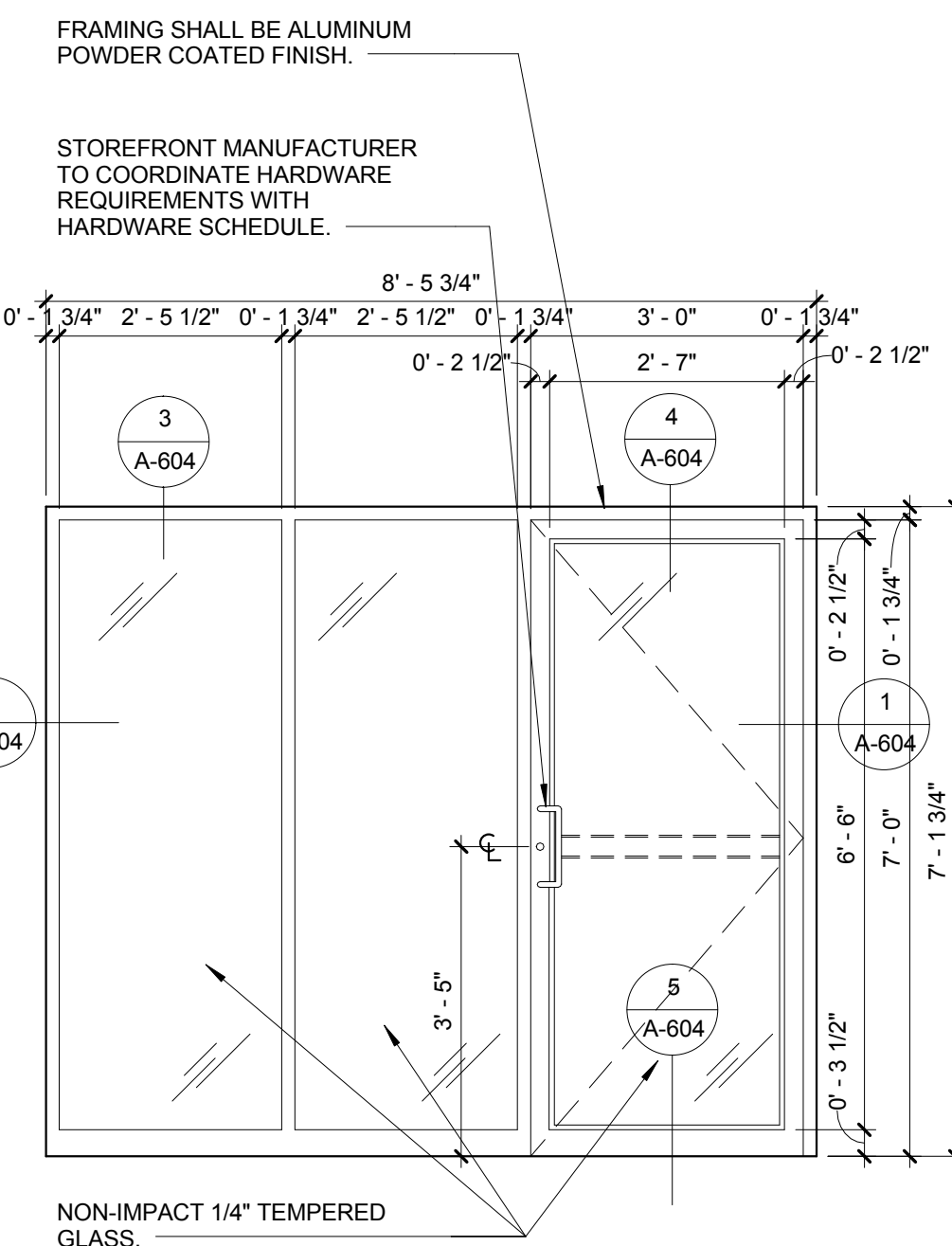
STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



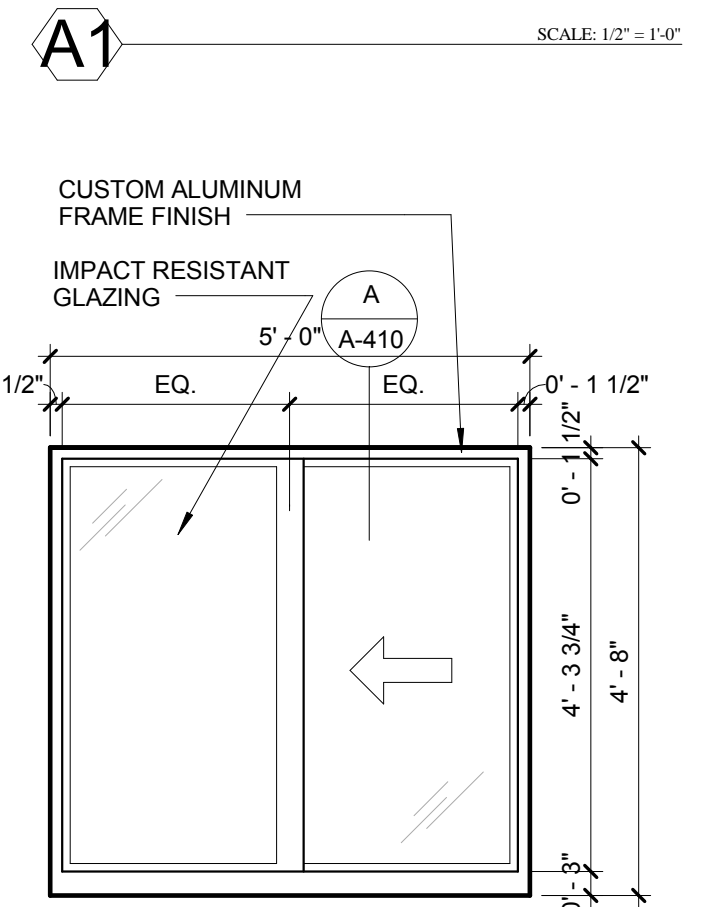
STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



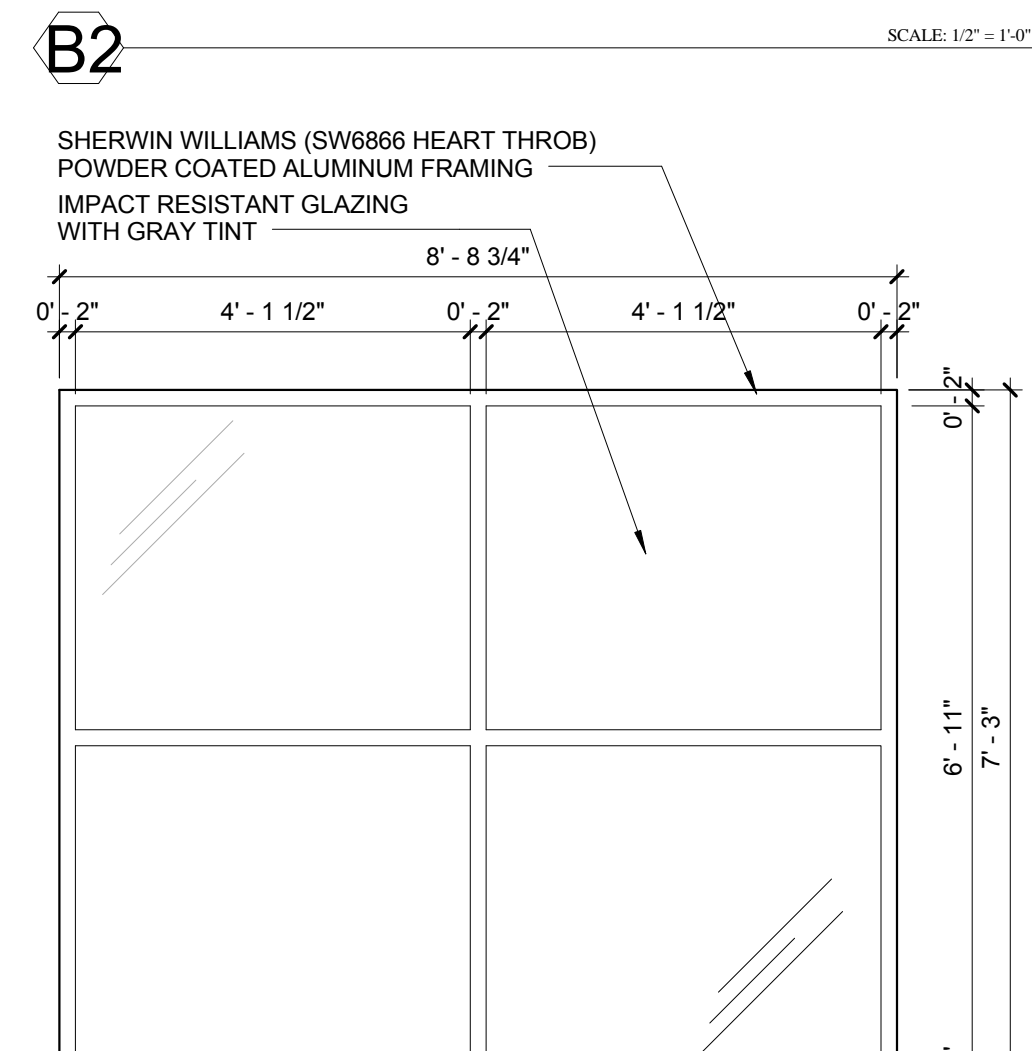
IMPACT RESISTANT GLAZING W/ GRAY TINT.  
IMPACT RESISTANT STOREFRONT DOOR SHALL BE BY "TRULITE, RESISTER SERIES 350 MEDIUM STILE" OR APPROVED EQUAL. PROVIDE DADE COUNTY PRODUCT APPROVAL "12-0117.09" EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



NON-IMPACT STOREFRONT DOOR BY TRULITE SERIES MEDIUM STILE.  
STOREFRONT FRAMING BY TRULITE FG450 SERIES. NOA#08-1024.06



SENTINEL SERIES 120 HORIZONTAL ROLLER WINDOW BY CGI. PROVIDE IMPACT RESISTANT GLAZING.  
(VIEW FROM VESTIBULE 01)



STOREFRONT FRAMING & FIXED IMPACT RESISTANT LAMINATED GLAZING PROVIDE DADE COUNTY PRODUCT APPROVAL "11-1117.02" SYSTEM BY "TRULITE SERIES 3100 OR APPROVED EQUAL." EXPOSED LAMINATED FILMS SHALL NOT BE USED.  
ALL EXTERIOR GLAZING SHALL HAVE SHADE COEFFICIENT OF 0.845.



CGI SENTINEL SERIES 120 HORIZONTAL ROLLER WINDOW BY CGI. PROVIDE IMPACT RESISTANT GLAZING.



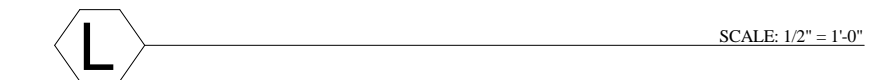
TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM. FIXED.



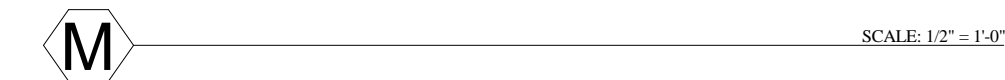
TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM. FIXED.



TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM. FIXED.



CGI SENTINEL SERIES 120 HORIZONTAL ROLLER WINDOW BY CGI. PROVIDE IMPACT RESISTANT GLAZING.



CGI SENTINEL SERIES 120 HORIZONTAL ROLLER WINDOW BY CGI. PROVIDE IMPACT RESISTANT GLAZING.

## WINDOW SCHEDULE

LETTER	MASONRY OPENING		MANUFACTURER	TYPE	CONSTRUCTION	GLASS SPECIFICATION	FRAME FINISH	REMARKS
	WIDTH	HEIGHT						
A	72"	60"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
A1	72"	60"	TRULITE 200 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	1/4" TEMPERED GLASS	SILVER ALUMINUM	
B	72"	18"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
B2	60"	30"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
C	36"	24"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
D	36"	72"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
E	36"	84"	RUSKIN	IMPACT RESISTANT REMOVABLE LOUVER	ALUMINUM		SILVER ALUMINUM	Drainable Stationary Louver, Extruded Aluminum
F	36"	48"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	
G	60"	56"	CGI SENTINEL SERIES 120 HORIZONTAL ROLLER	HORIZONTAL SLIDER OPERABLE WINDOW	ALUMINUM	5/16" LAMINATED IMPACT RESISTANT GLASS	CUSTOM ALUMINUM POWDER COATED	
H	104 3/4"	87"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	POWDER COATED	COLOR OF FRAMES TO BE SHERWIN WILLIAMS SW7587 ANTIQUE RED
J	94"	183"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	POWDER COATED	COLOR OF FRAMES TO BE SHERWIN WILLIAMS SW7587 ANTIQUE RED
K	36"	60"	TRULITE 3100 SERIES ARCHITECTURAL ALUMINUM	FIXED	ALUMINUM	9/16" LAMINATED GLASS BY TRULITE	SILVER ALUMINUM	

**WINDOW NOTES:**  
1. GLAZING SHALL HAVE A LIGHT GRAY TINT.  
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR SPECIFICATION SECTION 12 21 23 HORIZONTAL LOUVER BLINDS IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE. IN ADDITION SHOP DRAWINGS SHALL ALSO STATE THE CLEAR GLASS AREA OF EACH WINDOW CONTRACTOR TO FIELD VERIFY ALL EXISTING WINDOW SIZES PRIOR TO ORDERING.

**WINDOW TREATMENT NOTE:**  
ALL EXTERIOR WINDOW OPENING SHALL HAVE HORIZONTAL LOUVER BLINDS INSTALLED. SEE SPECIFICATION SECTION 12 21 23 HORIZONTAL LOUVER BLINDS IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE. IN ADDITION SHOP DRAWINGS SHALL ALSO STATE THE CLEAR GLASS AREA OF EACH WINDOW CONTRACTOR TO FIELD VERIFY ALL EXISTING WINDOW SIZES PRIOR TO ORDERING.

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10995  
STATE OF FLORIDA

DATE:

FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 922-8233 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM

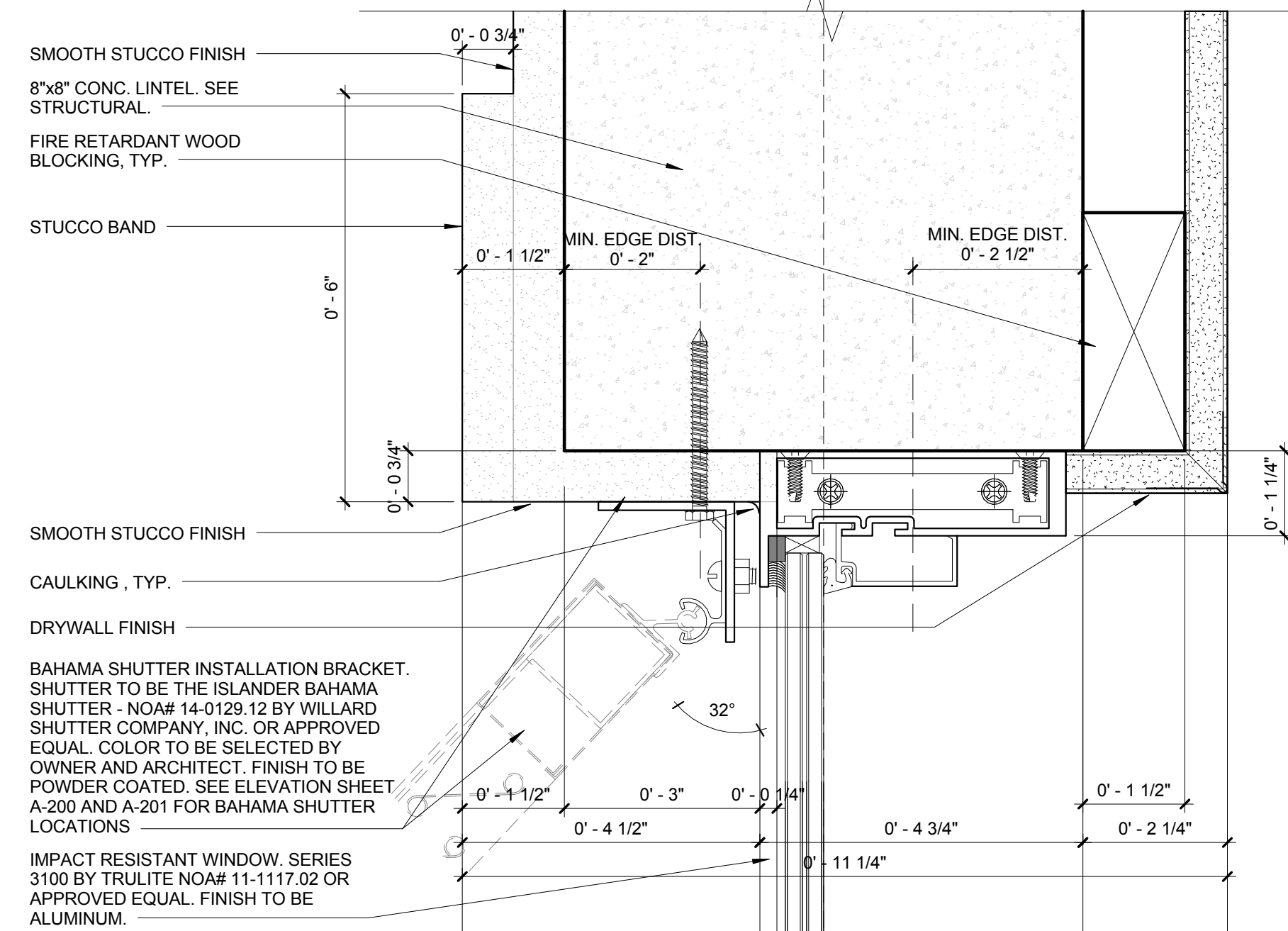


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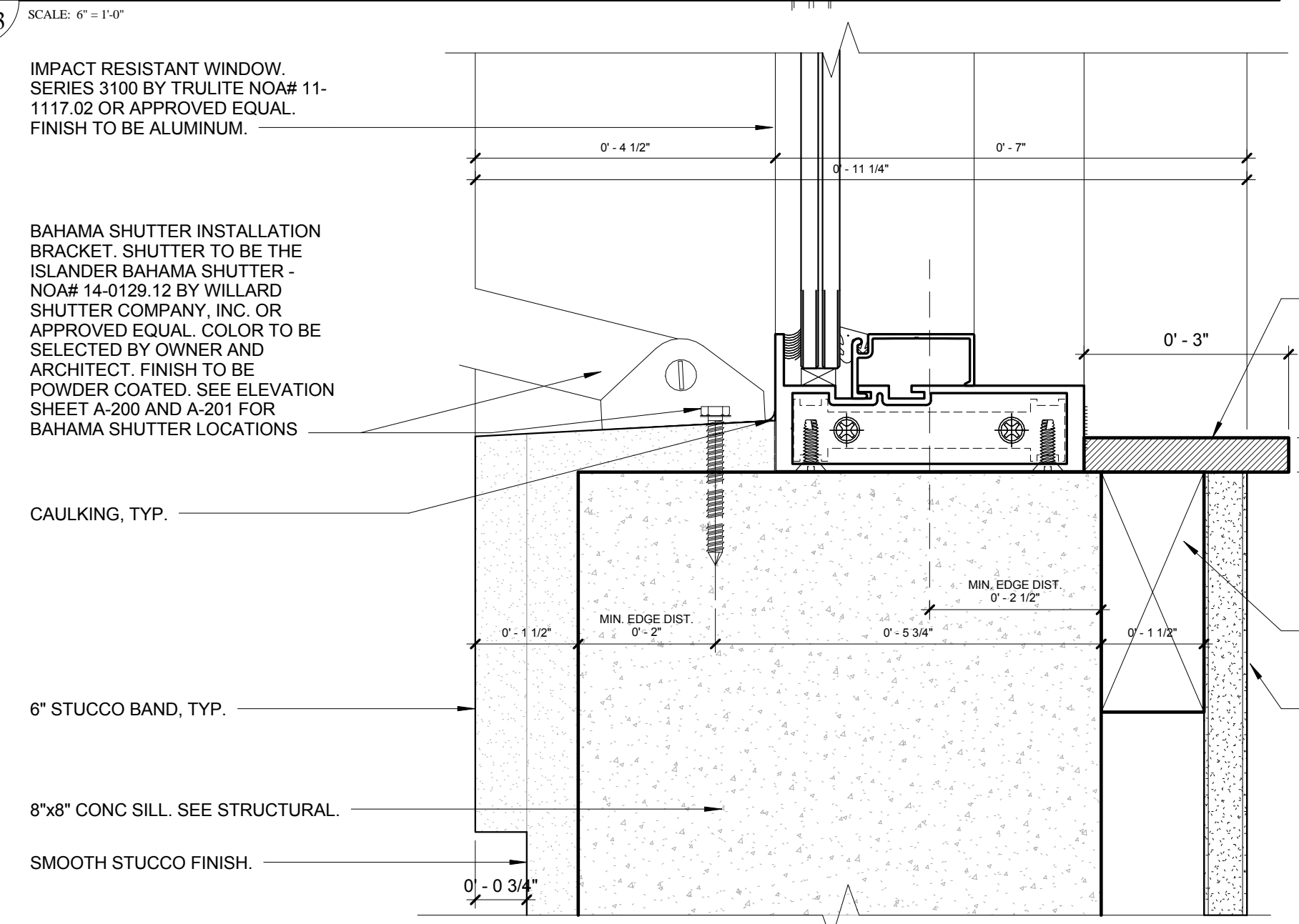
Window Schedule & Notes

DRAWN: Author  
CHECKED: Checker  
DATE: 07-25-2014  
SCALE: As indicated  
PROJECT NO. 1220D  
SHEET:

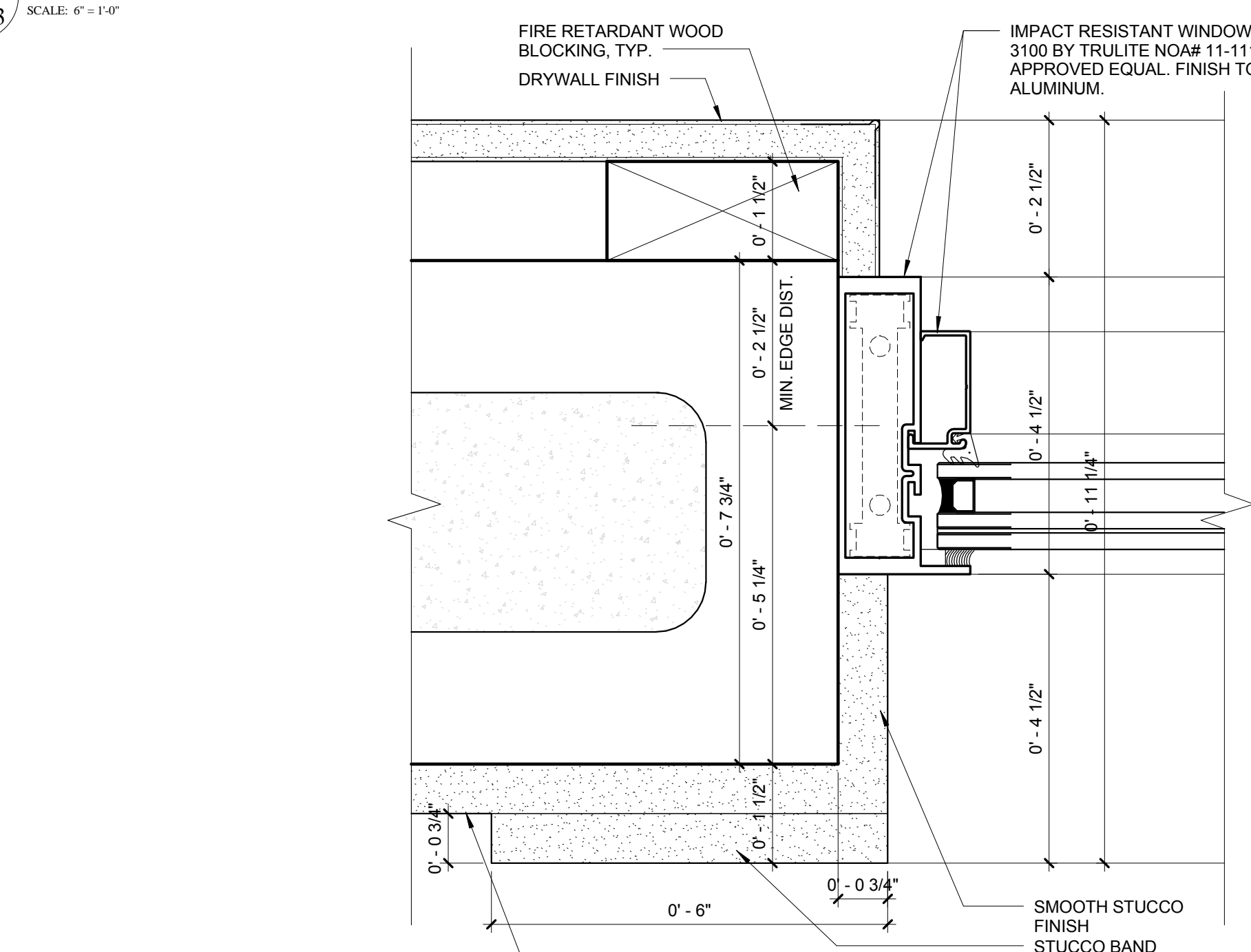
A-602



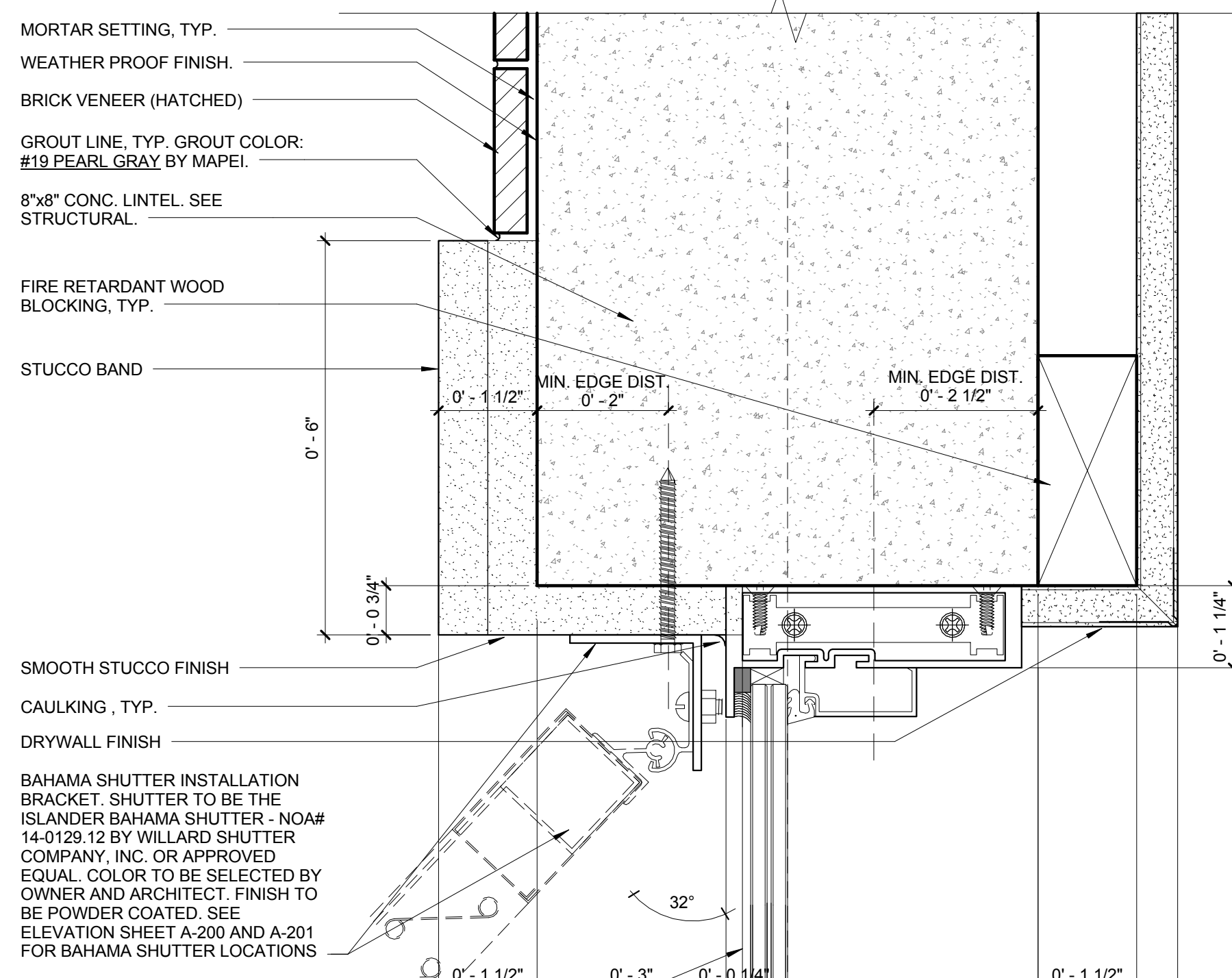
1 Typical Window Head Detail  
SCALE: 6" = 1'-0"



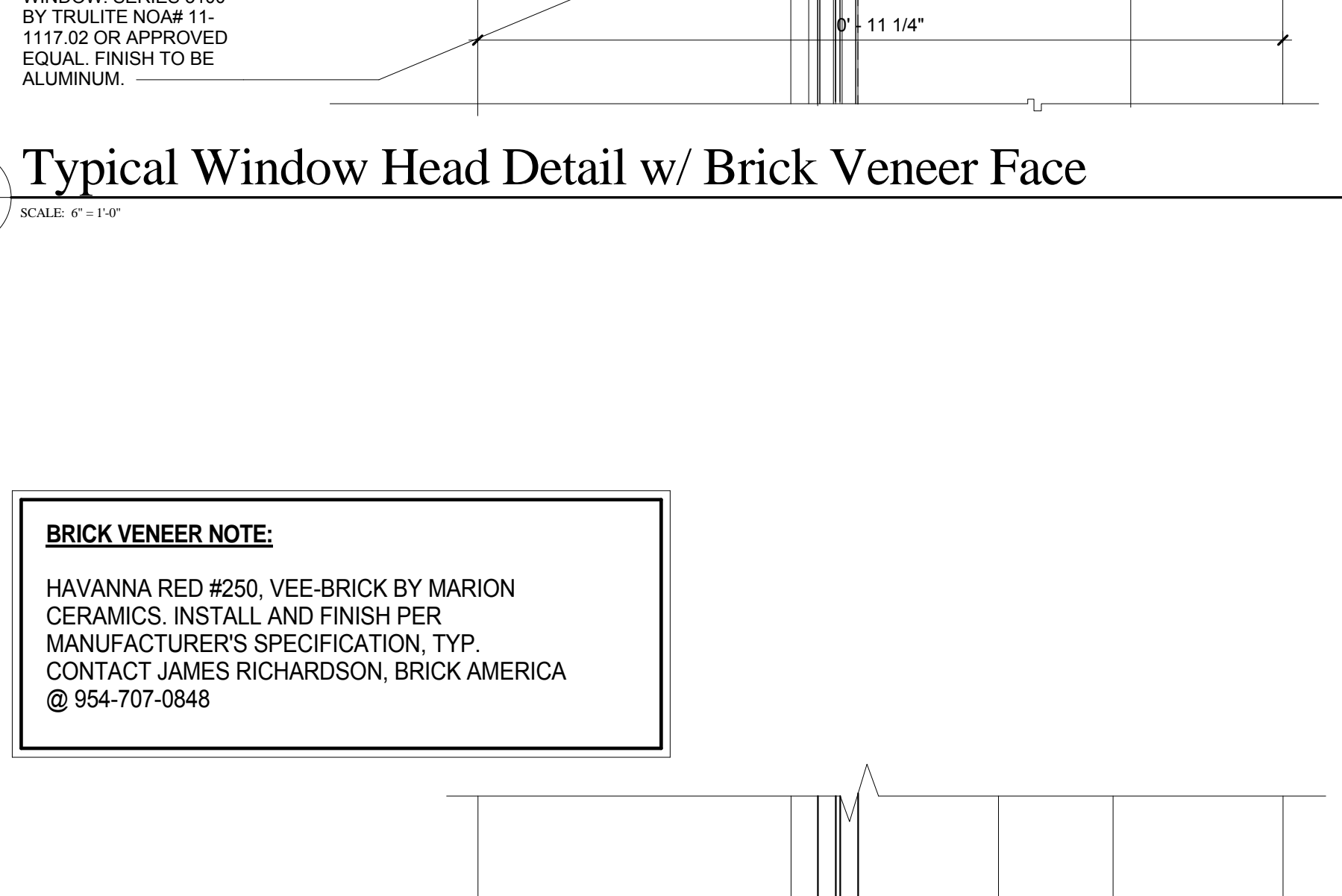
2 Typical Window Sill Detail  
SCALE: 6" = 1'-0"



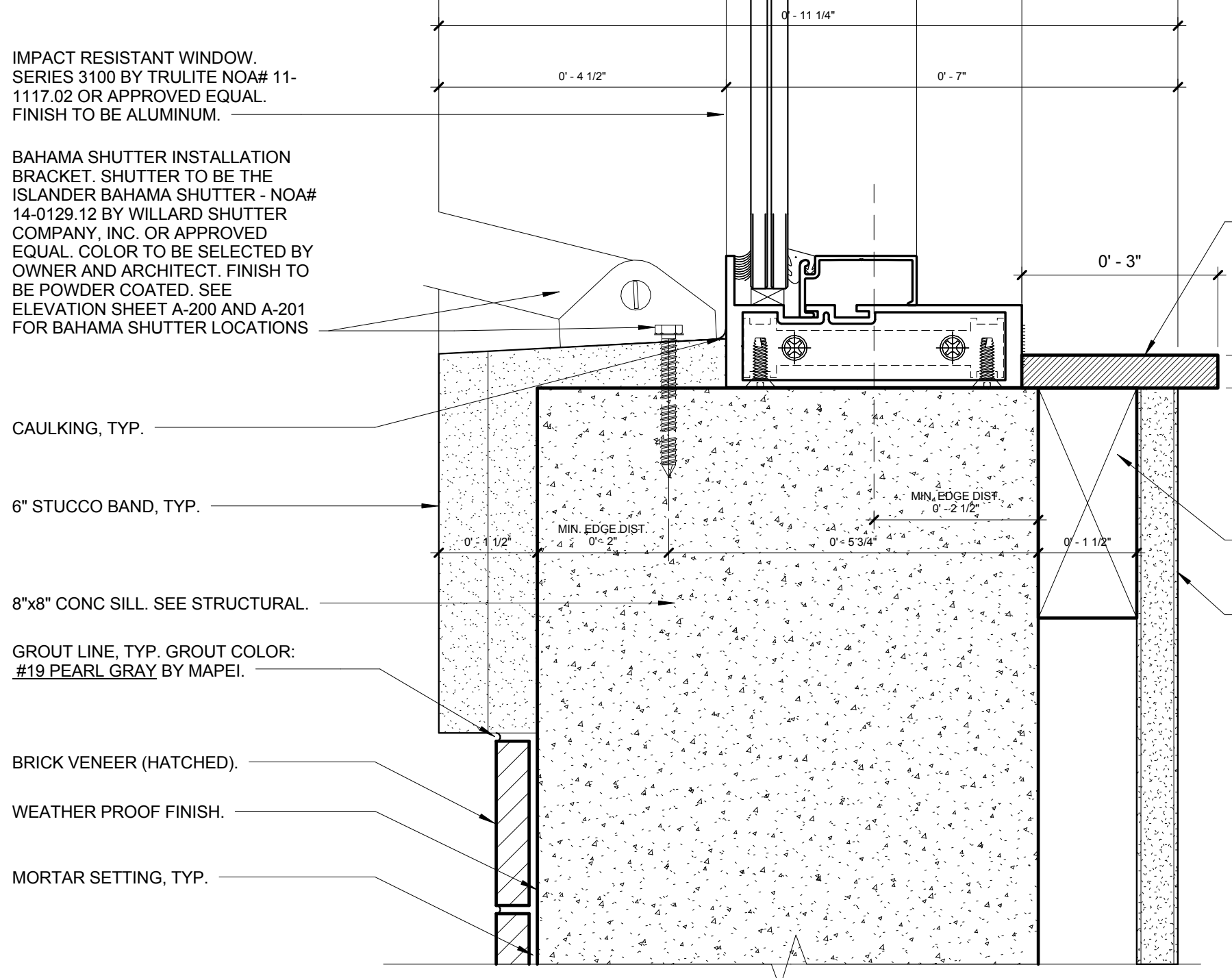
3 Typical Jamb Detail  
SCALE: 6" = 1'-0"



4 Typical Window Head Detail w/ Brick Veneer Face  
SCALE: 6" = 1'-0"

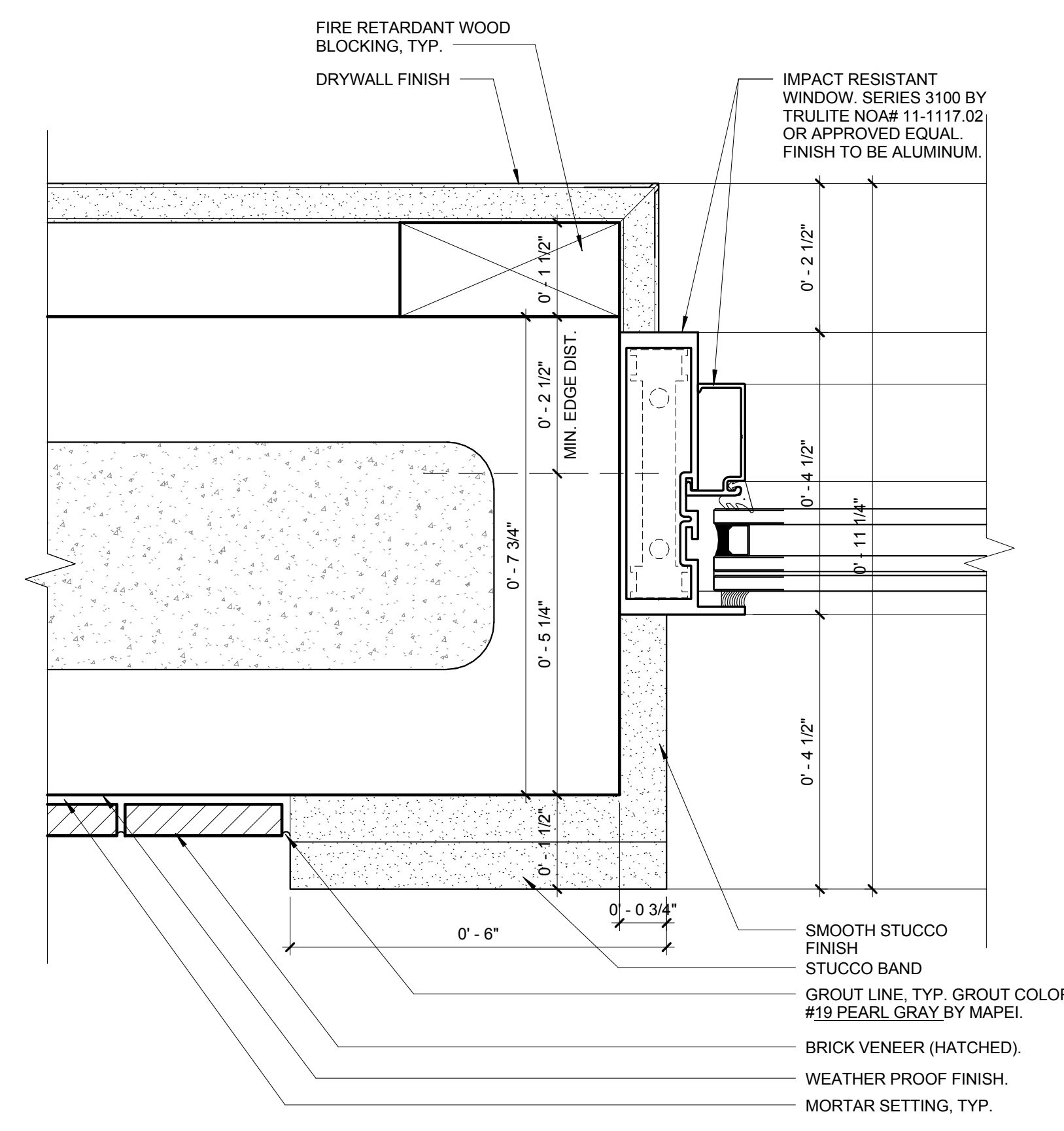


5 Typical Window Sill Detail w/ Brick Veneer Face  
SCALE: 6" = 1'-0"



6 Typical Window Jamb Detail w/ Brick Veneer Face  
SCALE: 6" = 1'-0"

**BRICK VENEER NOTE:**  
HAVANNA RED #250, VEE-BRICK BY MARION CERAMICS. INSTALL AND FINISH PER MANUFACTURER'S SPECIFICATION, TYP. CONTACT JAMES RICHARDSON, BRICK AMERICA @ 954-707-0848



6 Typical Window Jamb Detail w/ Brick Veneer Face  
SCALE: 6" = 1'-0"

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

FIRE STATION 50  
4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8253 FAX: (954) 337-0359  
AN 15206686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Window Details

DRAWN: RJMG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: 6" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

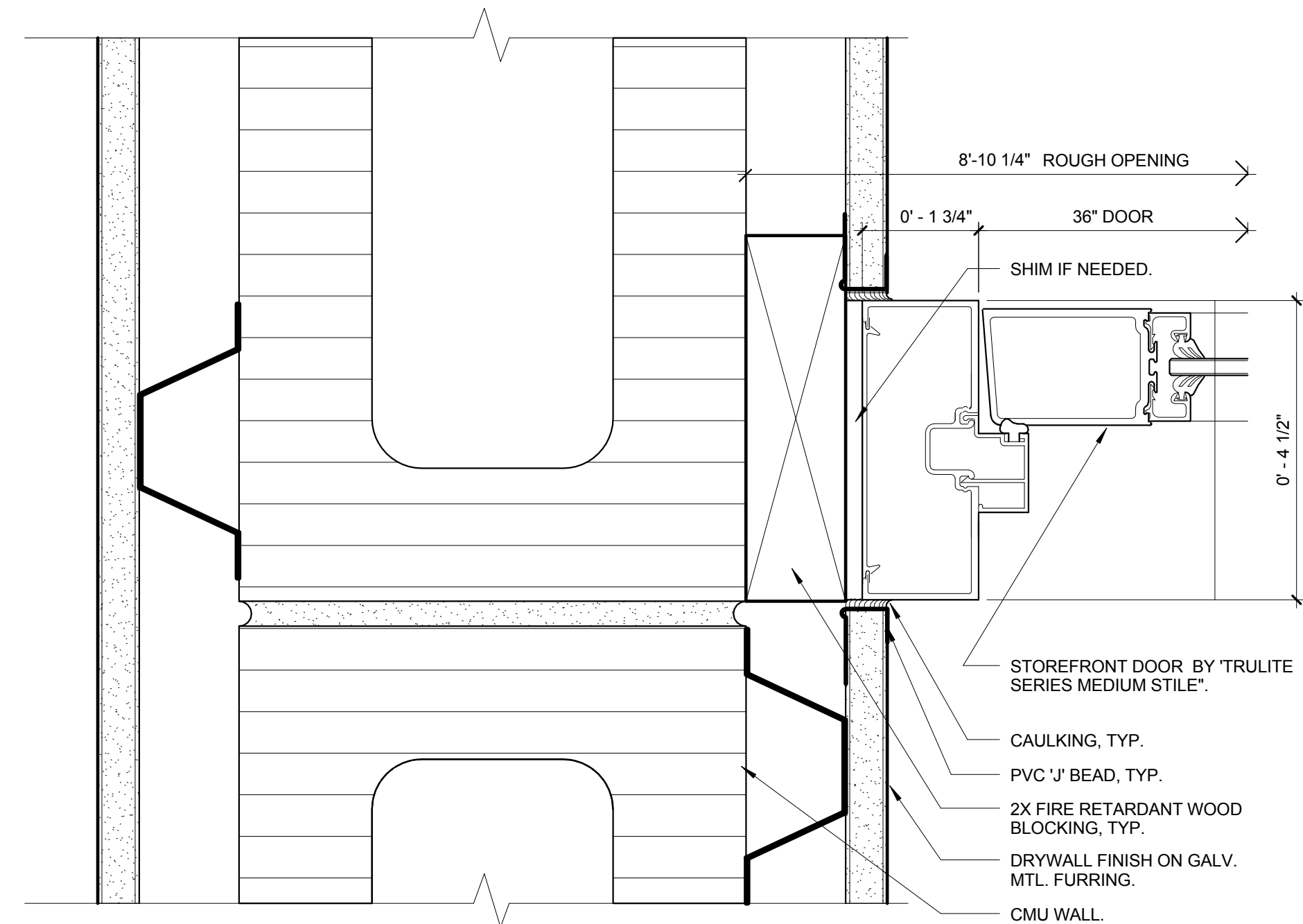
CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

A-603

DATE:

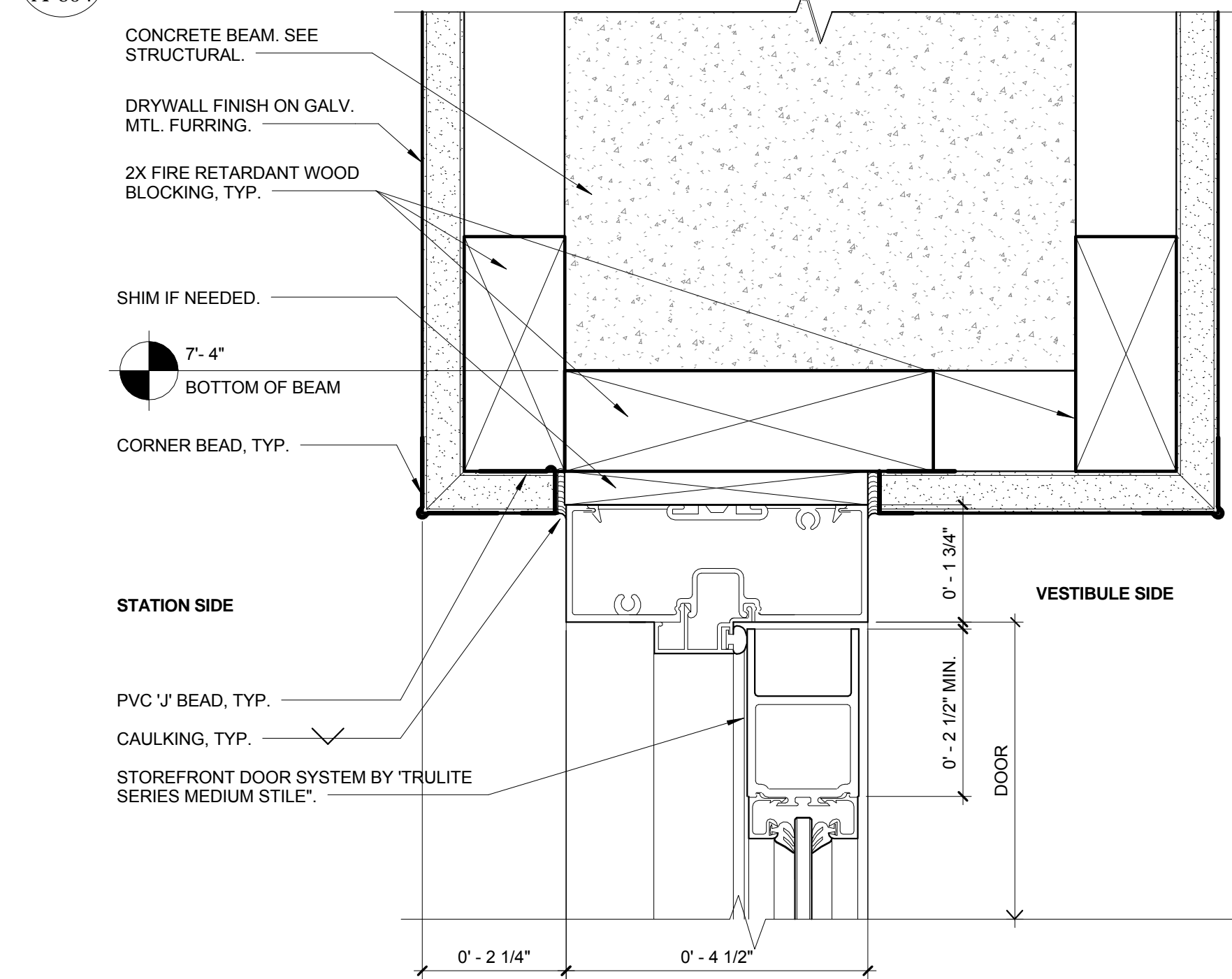
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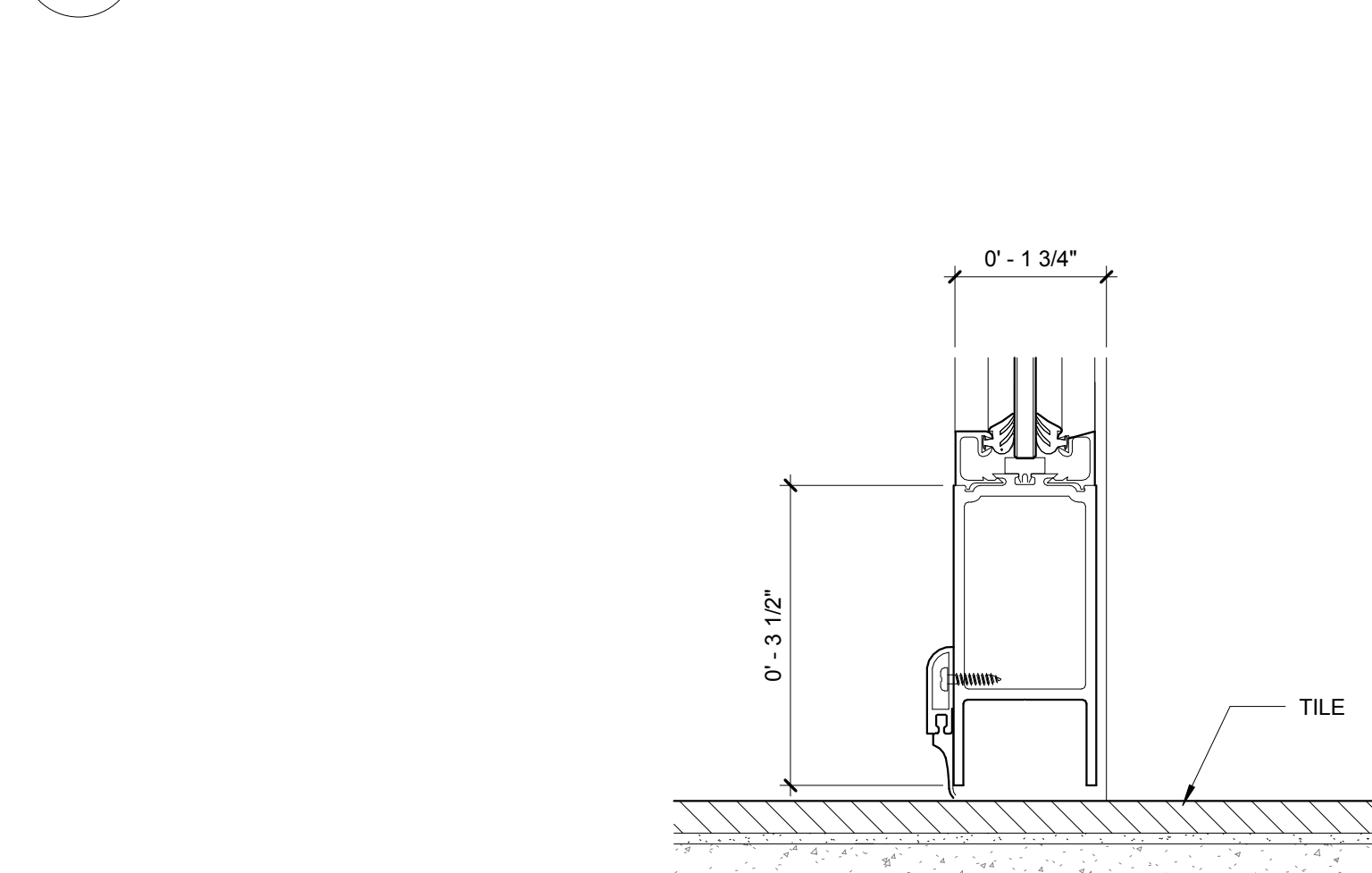
1 Interior Storefront Jamb Detail

A-604 SCALE: 6" = 1'-0"



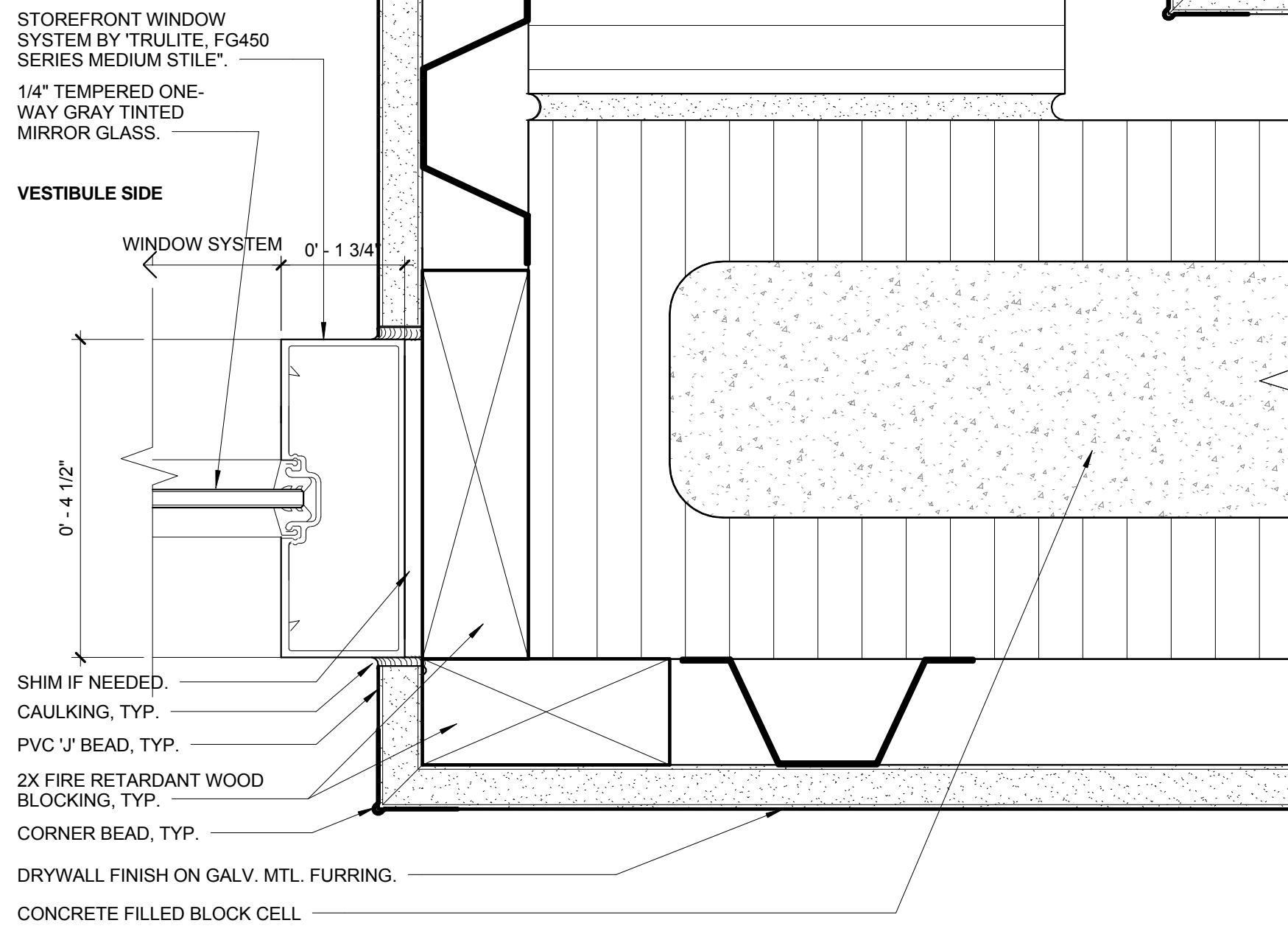
2 Interior Storefront Door Head Detail

A-604 SCALE: 6" = 1'-0"



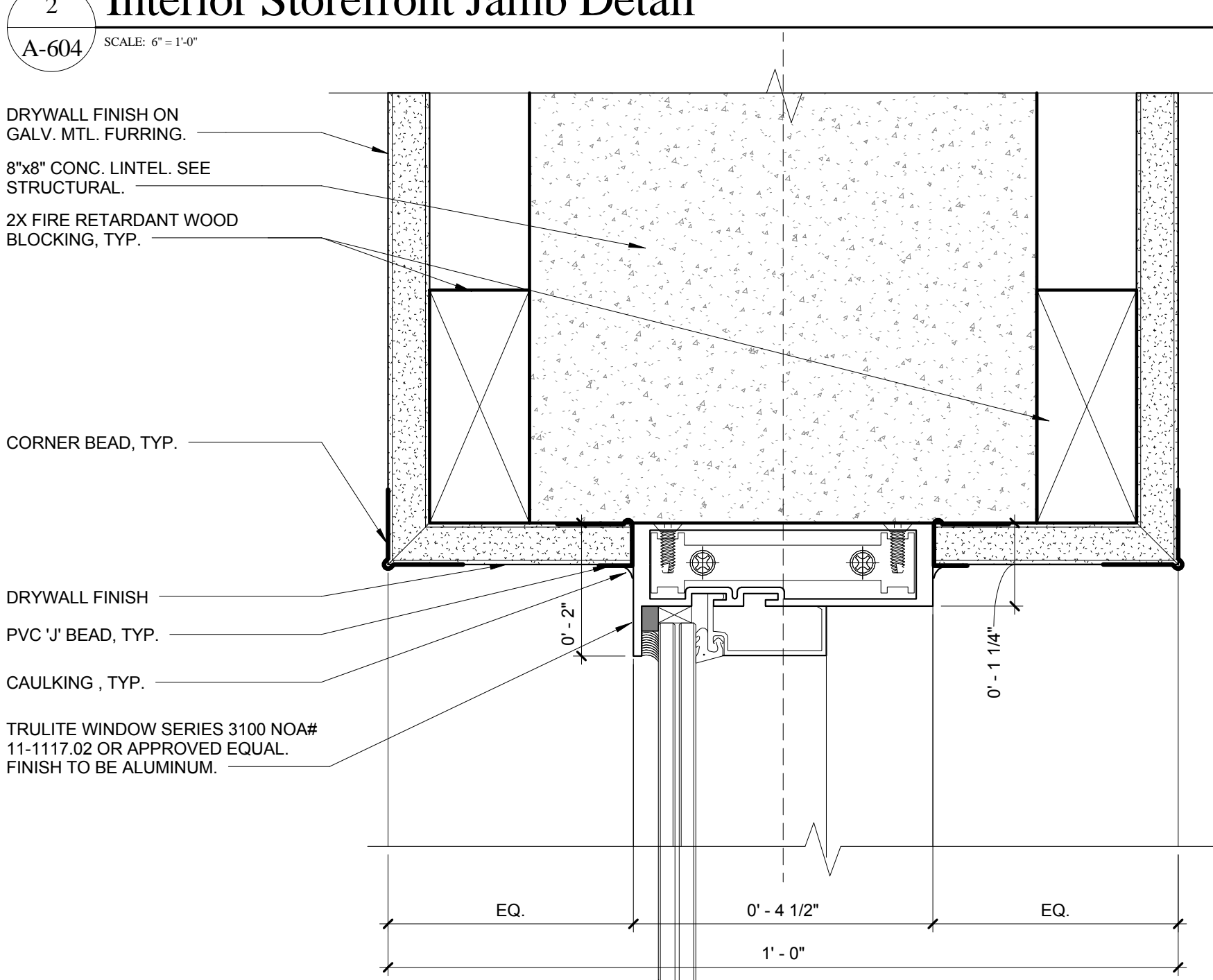
3 Interior Storefront Sill Detail

A-604 SCALE: 6" = 1'-0"



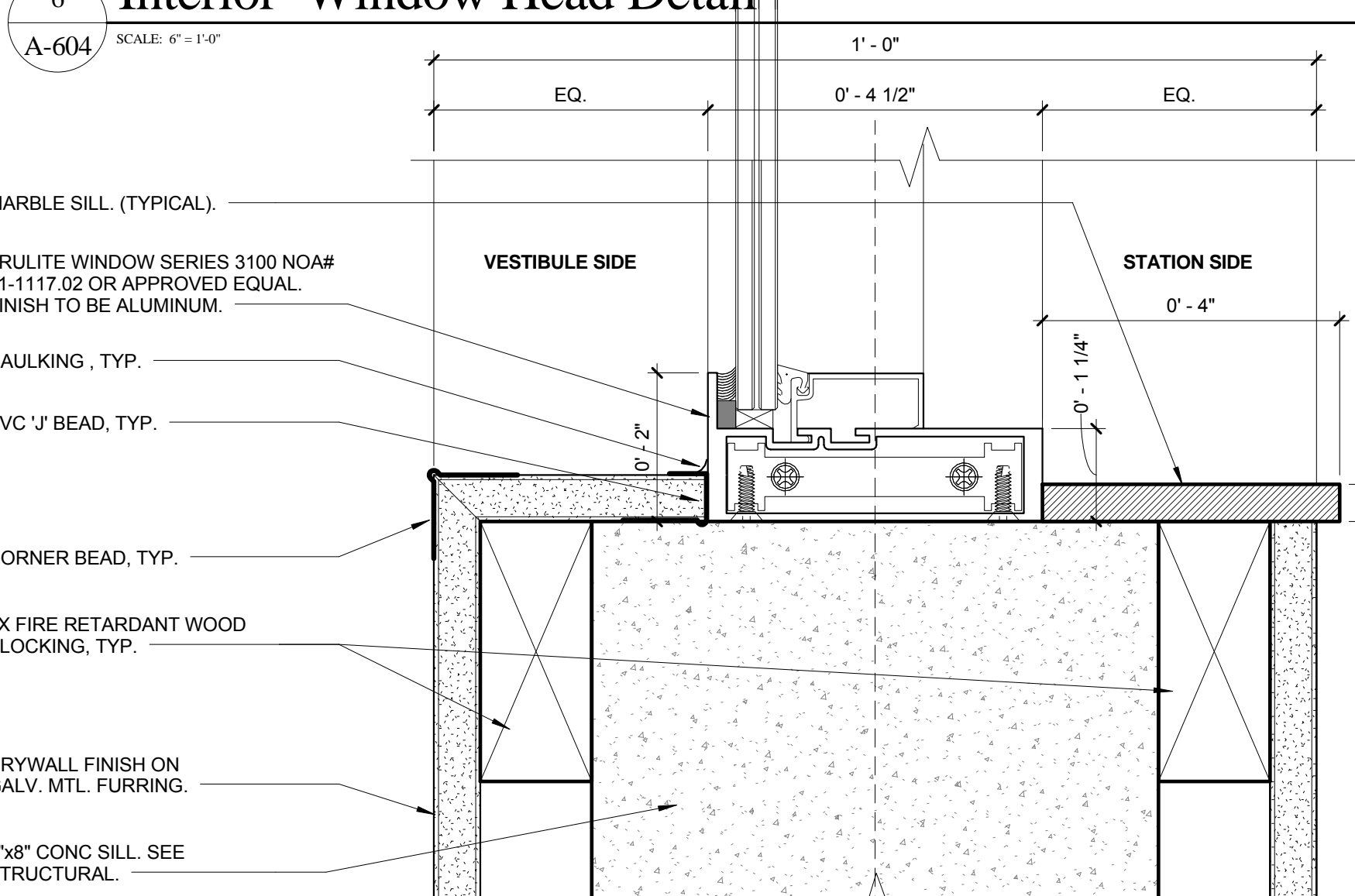
4 Interior Window Head Detail

A-604 SCALE: 6" = 1'-0"



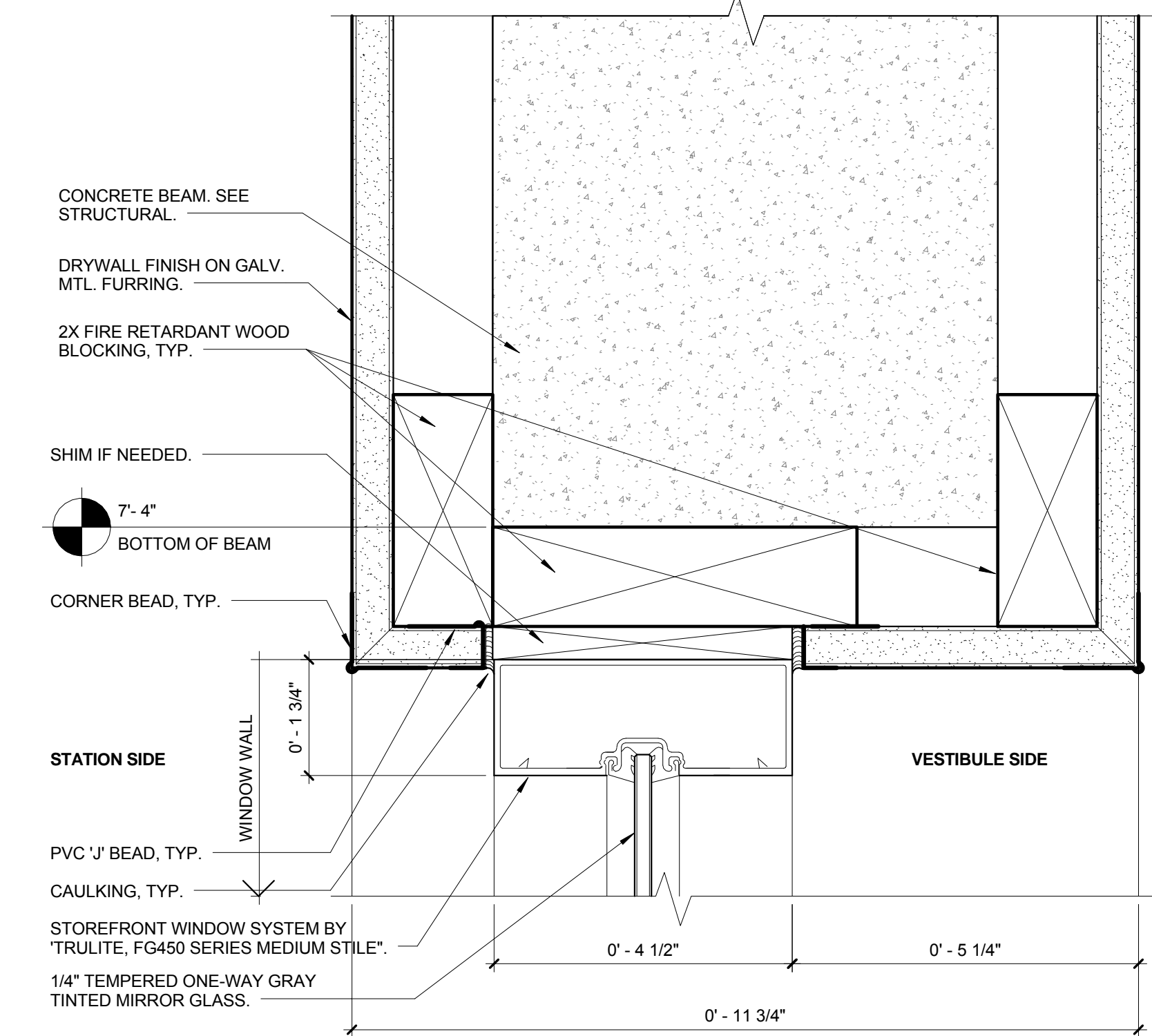
5 Interior Window Head Detail

A-604 SCALE: 6" = 1'-0"



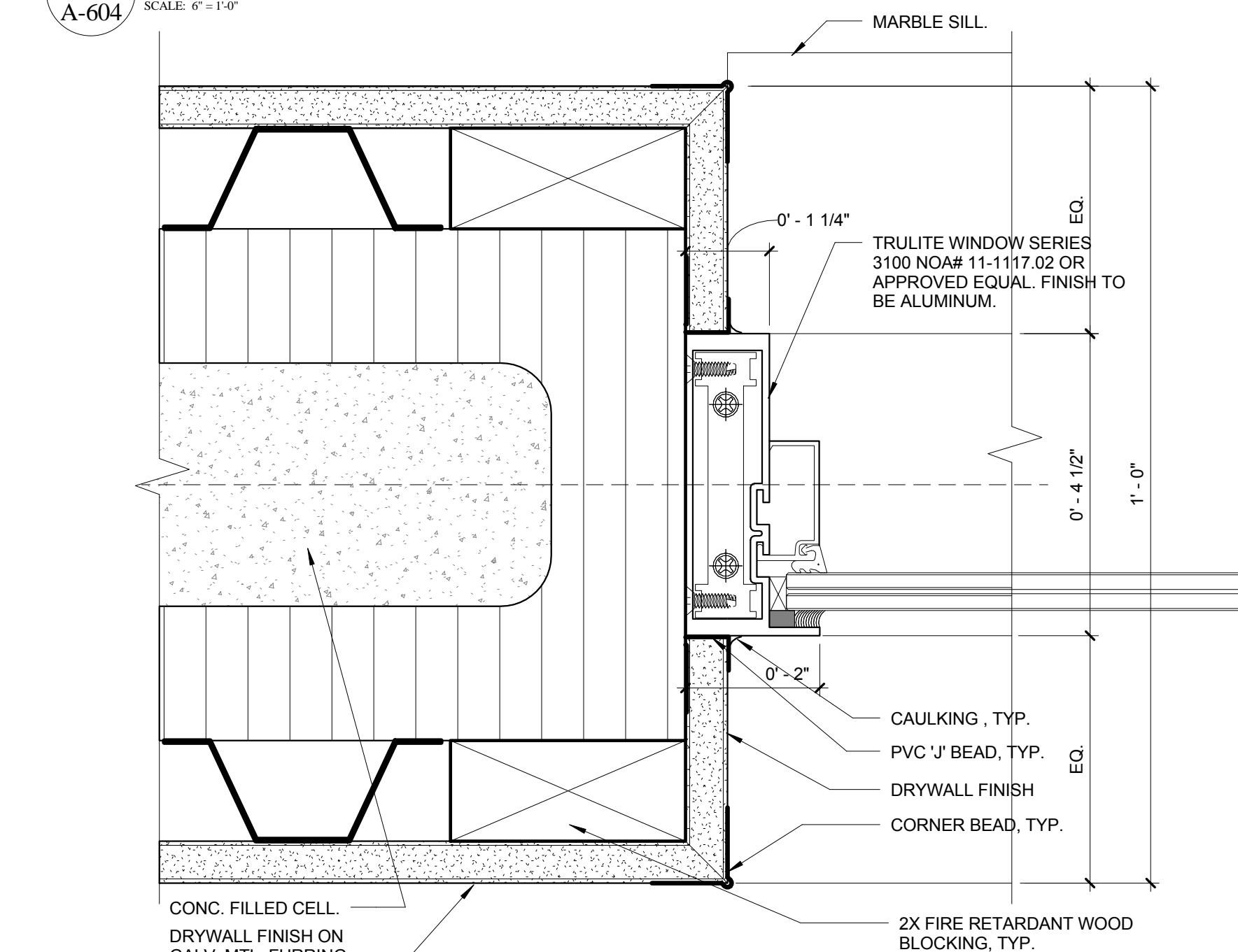
6 Interior Window Sill Detail

A-604 SCALE: 6" = 1'-0"



7 Interior Storefront Head Detail

A-604 SCALE: 6" = 1'-0"



8 Interior Window Jamb Detail

A-604 SCALE: 6" = 1'-0"

NO.	REVISION	DATE
	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 952-8233 FAX: (954) 337-0359  
WWW.CPZARCHITECTS.COM  
AN ES06066



DRAWING TITLE:

Window Details

DRAWN: CG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: 6" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

A-604

DATE:

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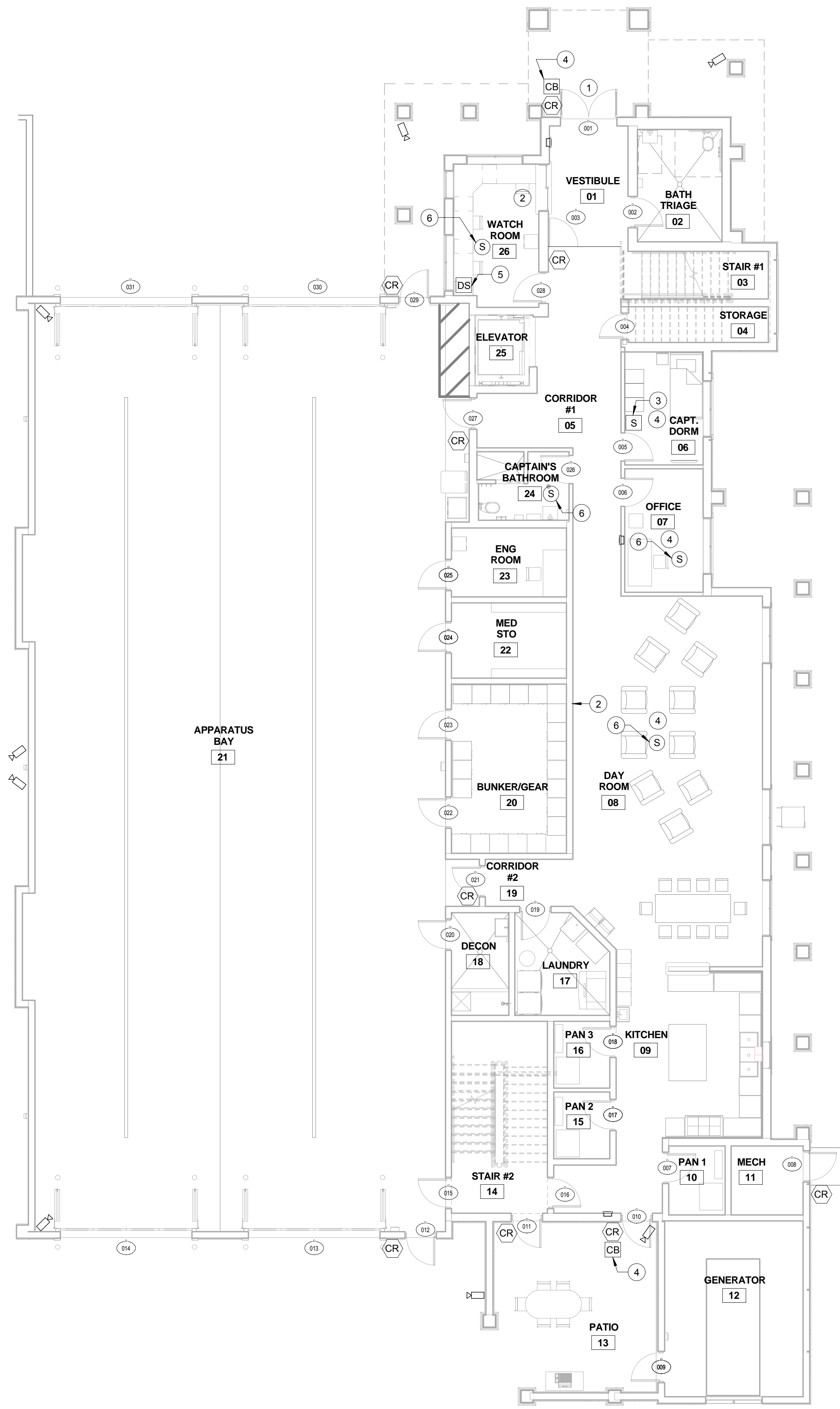
NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014
1	LEED REV #1	10-08-14

CONSULTANT:

- LEGEND:**
- (CR) NEW CARD READER
  - (S) WALL MOUNTED SPEAKER
  - ////// CARD ACCESS CONTROL SYSTEM
  - SECURITY PANEL
  - NEW SECURITY CAMERA
  - CB CALL BOX
  - DS DISPATCH SYSTEM
  - (S) CEILING MOUNTED SPEAKER

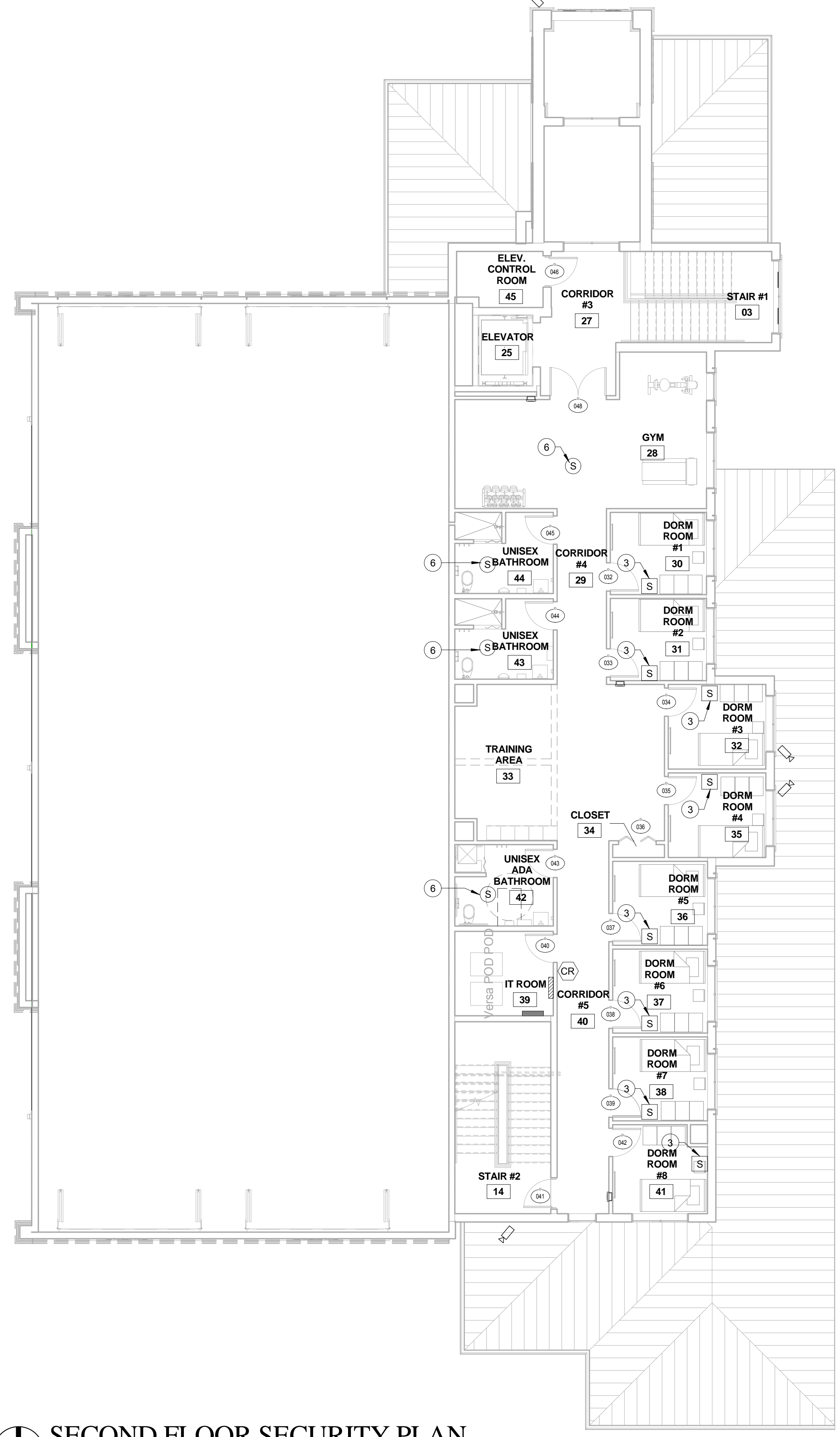
- SECURITY NOTES:**
- DOOR #001 TO RECEIVE A SWITCH TO CONTROL BUZZER BEHIND WATCH ROOM #26 TO RELEASE LATCH TO ALLOW ACCESS.
  - BUZZER SWITCH CONTROL LOCATED UNDER COUNTER AND IN DAY ROOM TO RELEASE LATCH AT DOOR #001. COORDINATE WITH OWNER FOR EXACT LOCATION.
  - CONTRACTOR TO PROVIDE WALL MOUNTED SPEAKER BY SPECO TECHNOLOGIES MODEL #WB88T. CONTRACTOR TO COORDINATE WITH OWNER FOR EXACT MOUNTING HEIGHT AND SPEAKER LOCATION.
  - CONTRACTOR TO PROVIDE (2) STAINLESS STEEL SURFACE MOUNTED EMERGENCY CALL BOXES BY VIKING, MODEL #3-1600-03B (EWP). BOTH CALL BOXES SHALL HAVE 911 CAPABILITY IF STAFF IS NOT AVAILABLE IN STATION. BOTH CALL BOXES SHALL BE WIRED TO SPEAKER IN CAPTAIN DORM ROOM #06, DAYROOM #08 AND WATCH ROOM #26.
  - ALL SPEAKERS TO CONNECT TO DISPATCH EQUIPMENT IN WATCH ROOM #26. SEE GENERAL NOTE "G".
  - CONTRACTOR TO PROVIDE CEILING MOUNTED 12" 70V SPEAKER BY SPECO TECHNOLOGIES MODEL G861CG. CONTRACTOR TO COORDINATE WITH OWNER FOR EXACT LOCATION OF SPEAKER PRIOR TO INSTALL.

- GENERAL NOTES:**
- CONTRACTOR TO COORDINATE WITH OWNER ALL CARD READER LOCATIONS PRIOR TO ORDERING AND INSTALLATION.
  - CONTRACTOR TO COORDINATE ALL CAMERA LOCATIONS WITH OWNER PRIOR TO ORDERING AND INSTALLATION.
  - CONTRACTOR AND SECURITY CONTRACTOR TO COORDINATE SECURITY DRAWINGS WITH ELECTRICAL DRAWINGS.
  - CONTRACTOR AND SECURITY CONTRACTOR TO COORDINATE DOOR & HARDWARE SCHEDULE DRAWINGS WITH SECURITY DRAWINGS.
  - CONTRACTOR AND SECURITY CONTRACTOR TO COORDINATE ARCHITECTURAL DRAWINGS AND SECURITY DRAWINGS.
  - CONTRACTOR TO RETAIN THE SERVICES OF ASE TELECOM & DATA. CONTACT TIM HARDLING AT (305) 471-9888 TO INSTALL ALL SECURITY CAMERA, VIDEO MONITORING, CARD READERS/ACCESS CONTROL SYSTEM IN THIS FACILITY. ASE TELECOM IS RESPONSIBLE FOR ALL PROGRAMMING OF CAMERAS, ASE TELECOM & DATA TO PROVIDE COMPLETE INSTALLATION AND SET-UP FOR ALL SECURITY CAMERAS, VIDEO MONITORING, AND CARD READER/ACCESS CONTROL SYSTEMS.
  - CONTRACTOR TO RETAIN THE SERVICES OF CONTROL USA. CONTACT MARK WHEELER AT (954) 791-8040 TO INSTALL COMPLETE DISPATCH SYSTEM IN THE STATION. CONTROL USA TO INSTALL ALL WALL MOUNTED SPEAKERS, ALL SPEAKER WIRING, AND ALL REQUIRED ANTENNAS. CONTROL USA IS RESPONSIBLE FOR ALL TESTING AND PROGRAMMING OF SYSTEM. GC TO COORDINATE AND PROVIDE ALL REQUIRED CONDUITS IN WALLS, FLOOR AND CEILING AS REQUIRED. CONTROL USA TO RELOCATE EXISTING RADIO EQUIPMENT FROM MARGATE TO NEW STATION. CONTROL USA TO PROVIDE COMPLETE INSTALLATION FOR SETUP OF FULL DISPATCH SYSTEM.
  - CONTRACTOR TO RETAIN THE SERVICES OF CELL ANTENNA. CONTACT JOSEPH LEVENTHAL AT OFFICE: (954) 340-7053, CELL: (954) 507-7845, E-MAIL: jpl@cellantenna.com TO INSTALL ALL REQUIRED EQUIPMENT AND PROVIDE TESTING AND PROJECT MANAGEMENT SERVICES FOR IMPROVING CELLULAR SIGNAL ISSUES IN THE STATION.



**FIRST FLOOR SECURITY PLAN**

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



**SECOND FLOOR SECURITY PLAN**

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

FIRE STATION 50

4500 COCONUT CREEK PARKWAY,  
COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.

4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8253 FAX: (954) 337-0359  
AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

**SECURITY**

DRAWN:	Author
CHECKED:	Checker
DATE:	07-25-2014
SCALE:	1/8" = 1'-0"
PROJECT NO.	1220D
SHEET:	

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

**A-800**

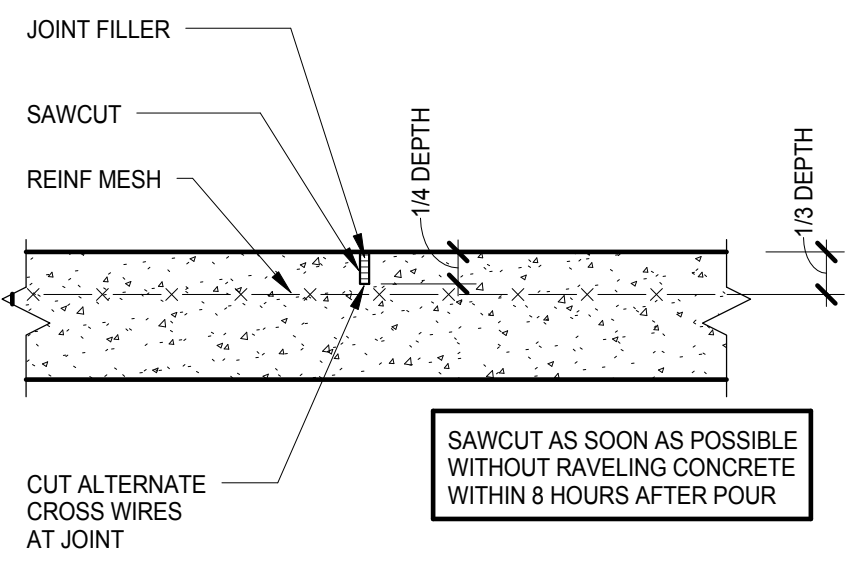
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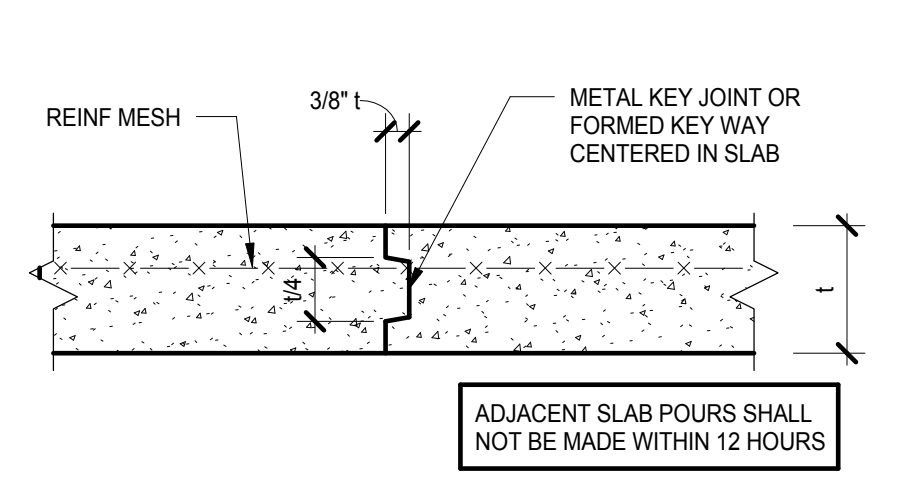


NO.	REVISION	DATE

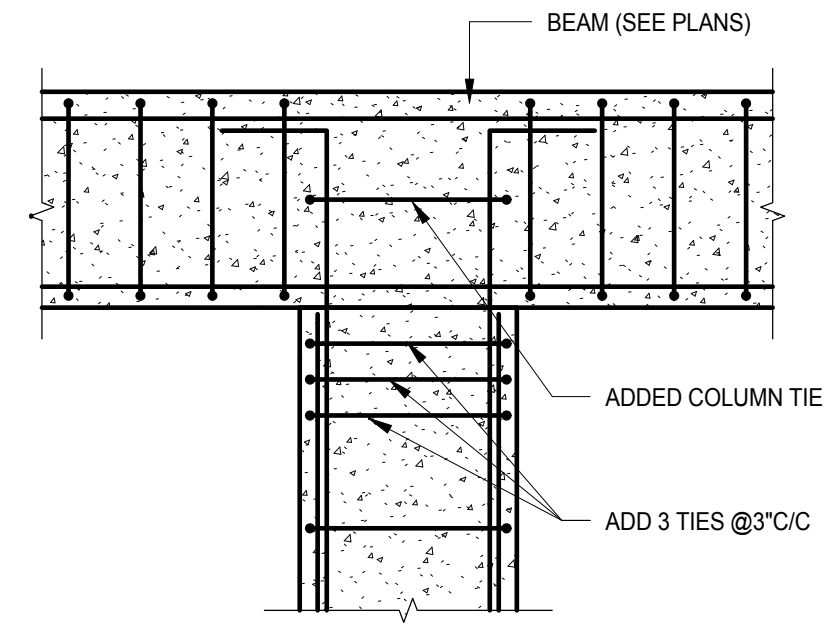
CONSULTANT:



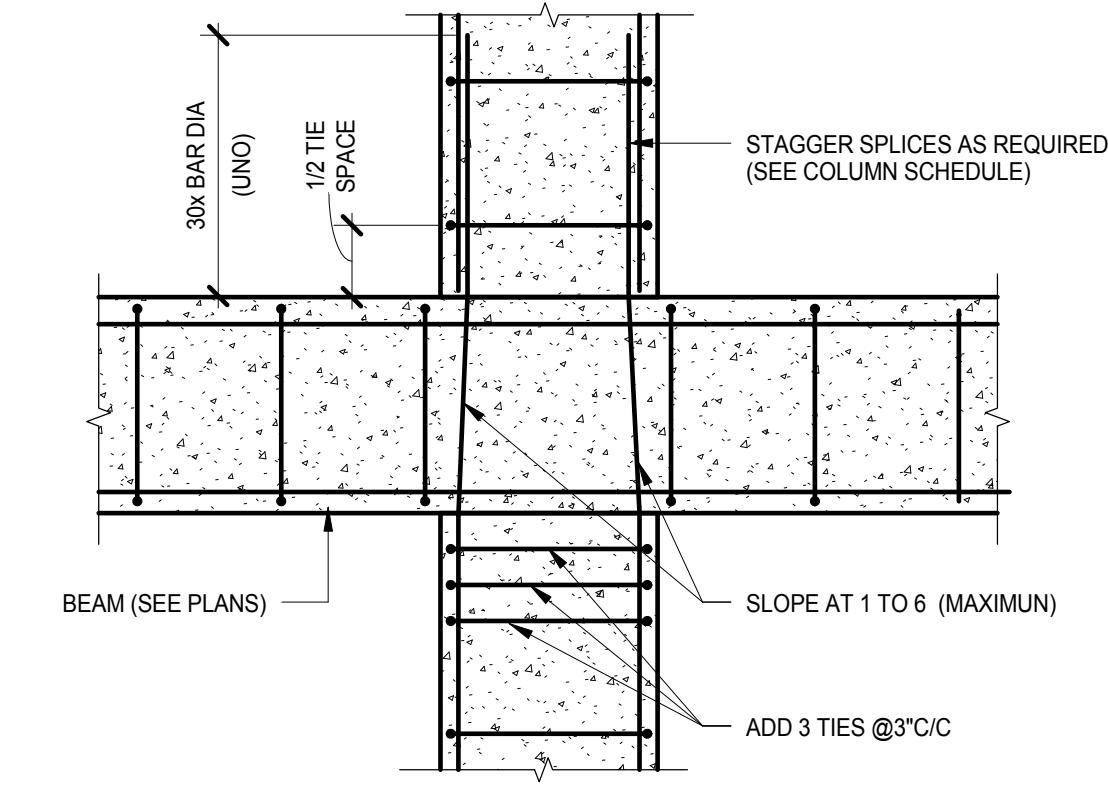
5 TYPICAL CONTRACTION JOINT (CJ) DETAIL  
S-1.1 N.T.S.



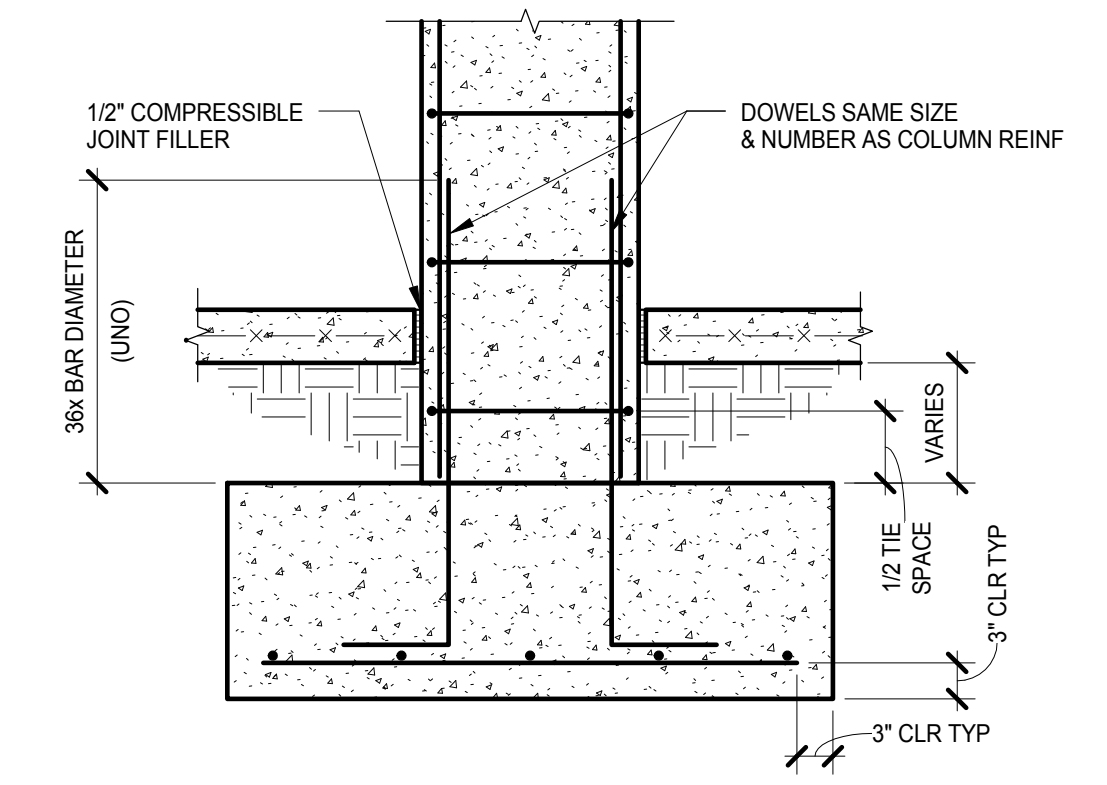
4 TYPICAL CONSTRUCTION JOINT (KJ) DETAIL  
S-1.1 N.T.S.



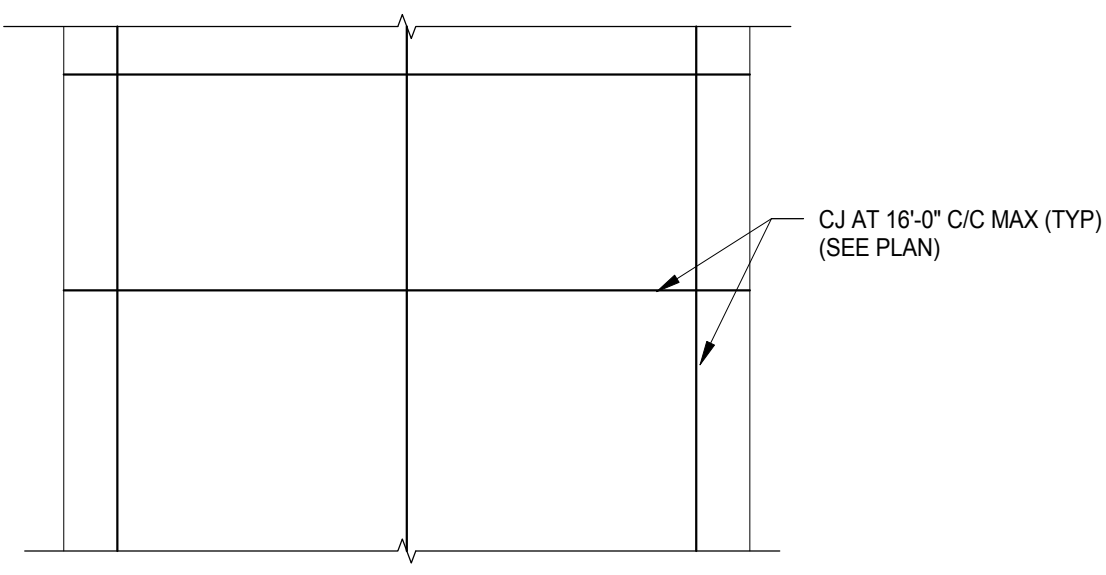
3 TYPICAL CONCRETE COLUMN TERMINATION AT BEAM  
S-1.1 N.T.S.



2 TYPICAL CONCRETE COLUMN THRU INTERMEDIATE BEAM  
S-1.1 N.T.S.

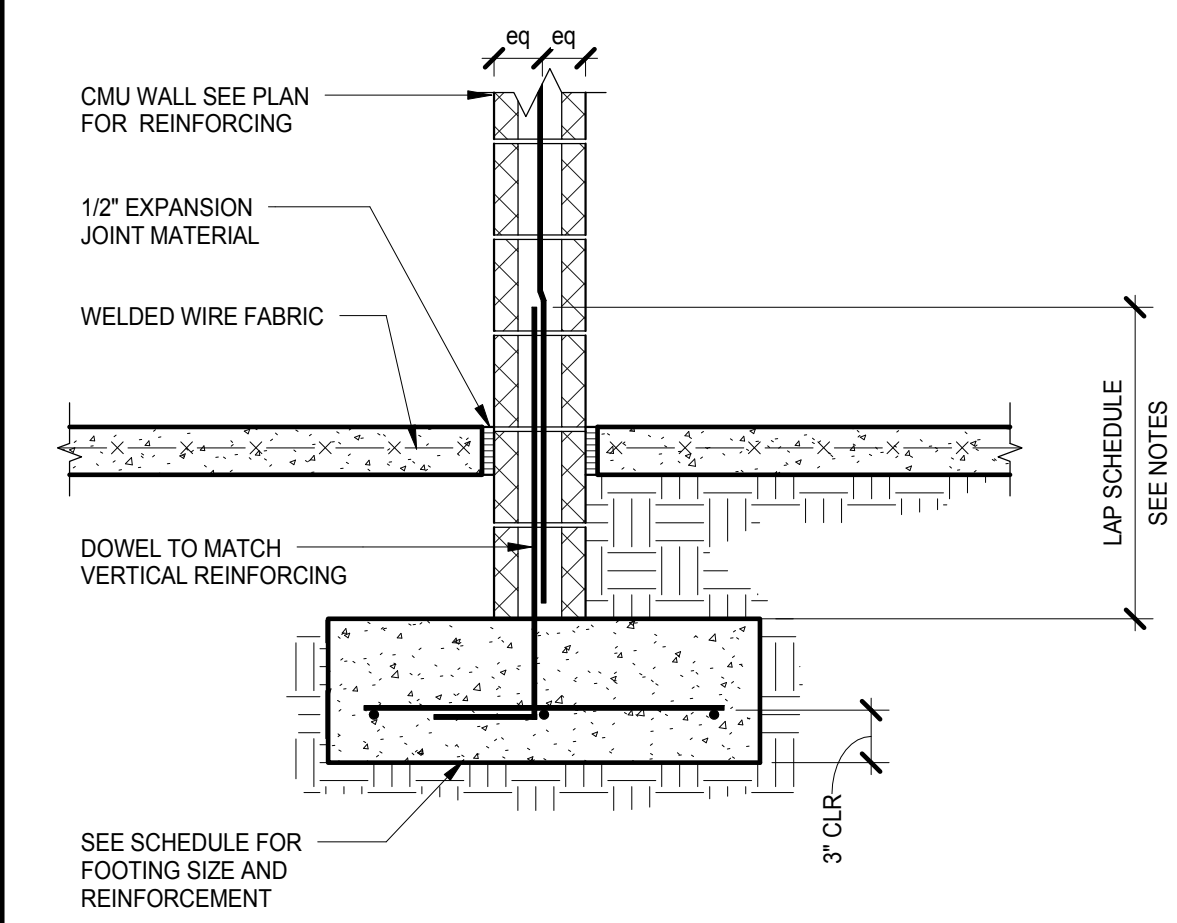


1 TYPICAL CONCRETE COLUMN BASE DETAIL AT FOUNDATION  
S-1.1 N.T.S.

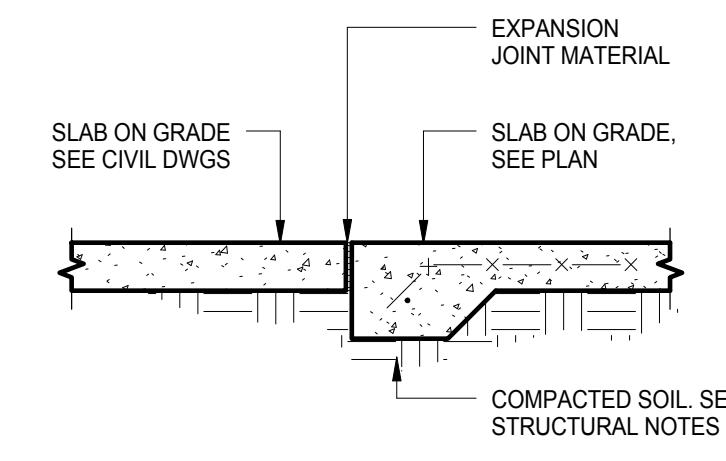


10 TYPICAL SLAB-ON GRADE JOINT DETAIL  
S-1.1 N.T.S.

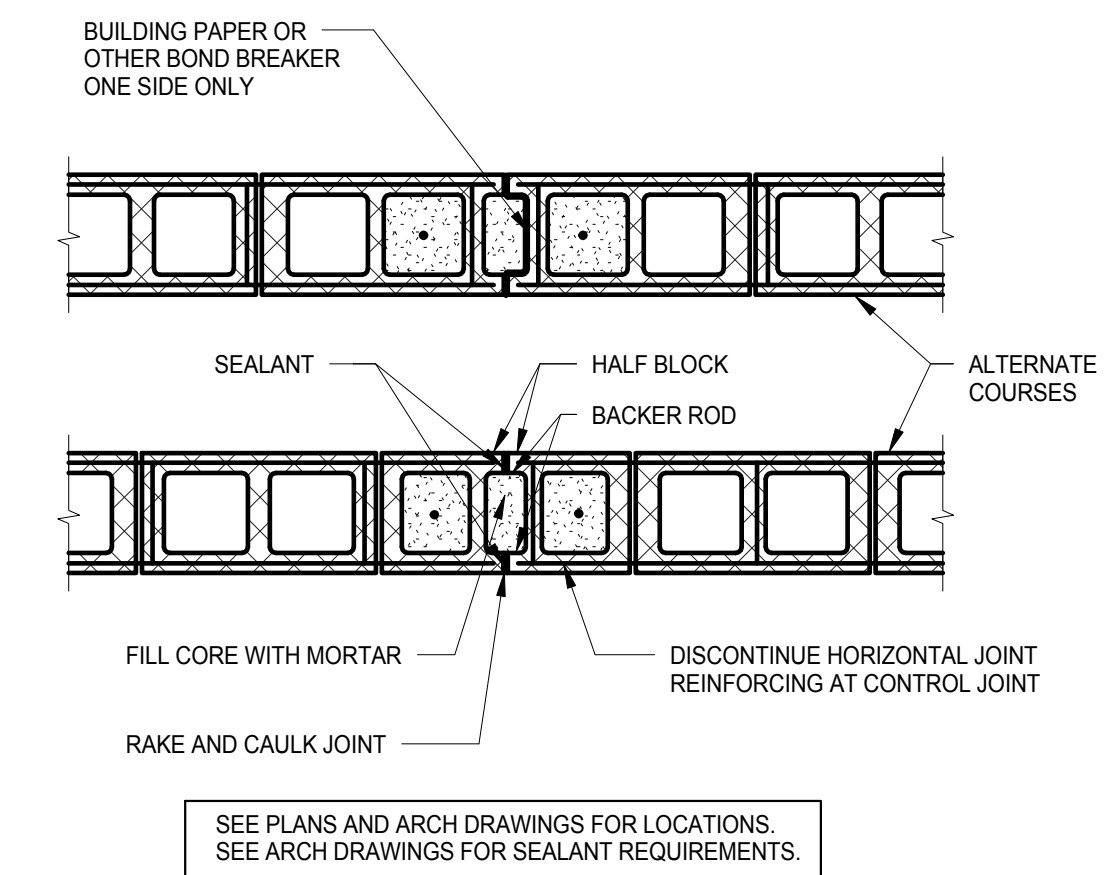
**NOTE:**  
1. SUBMIT PROPOSED CONSTRUCTION JOINT (CJ) LOCATION TO ENGINEER FOR APPROVAL.  
2. SAW CUT JOINTS TO BE CUT AS SOON AS SLAB IS HARD ENOUGH TO WALK UPON.



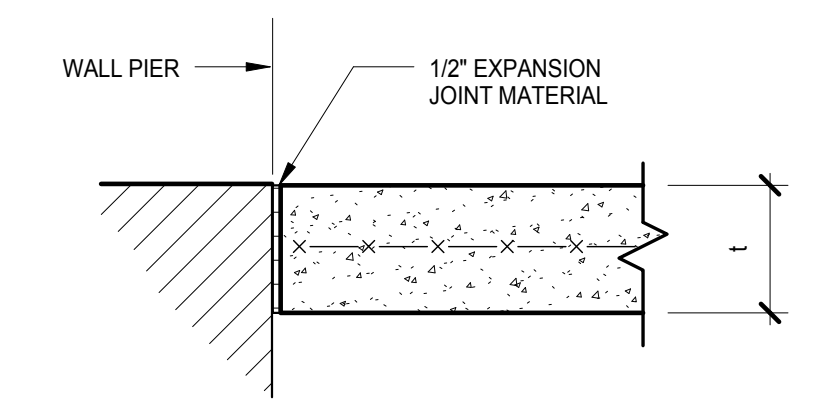
9 TYPICAL WALL FOOTING SECTION  
S-1.1 N.T.S.



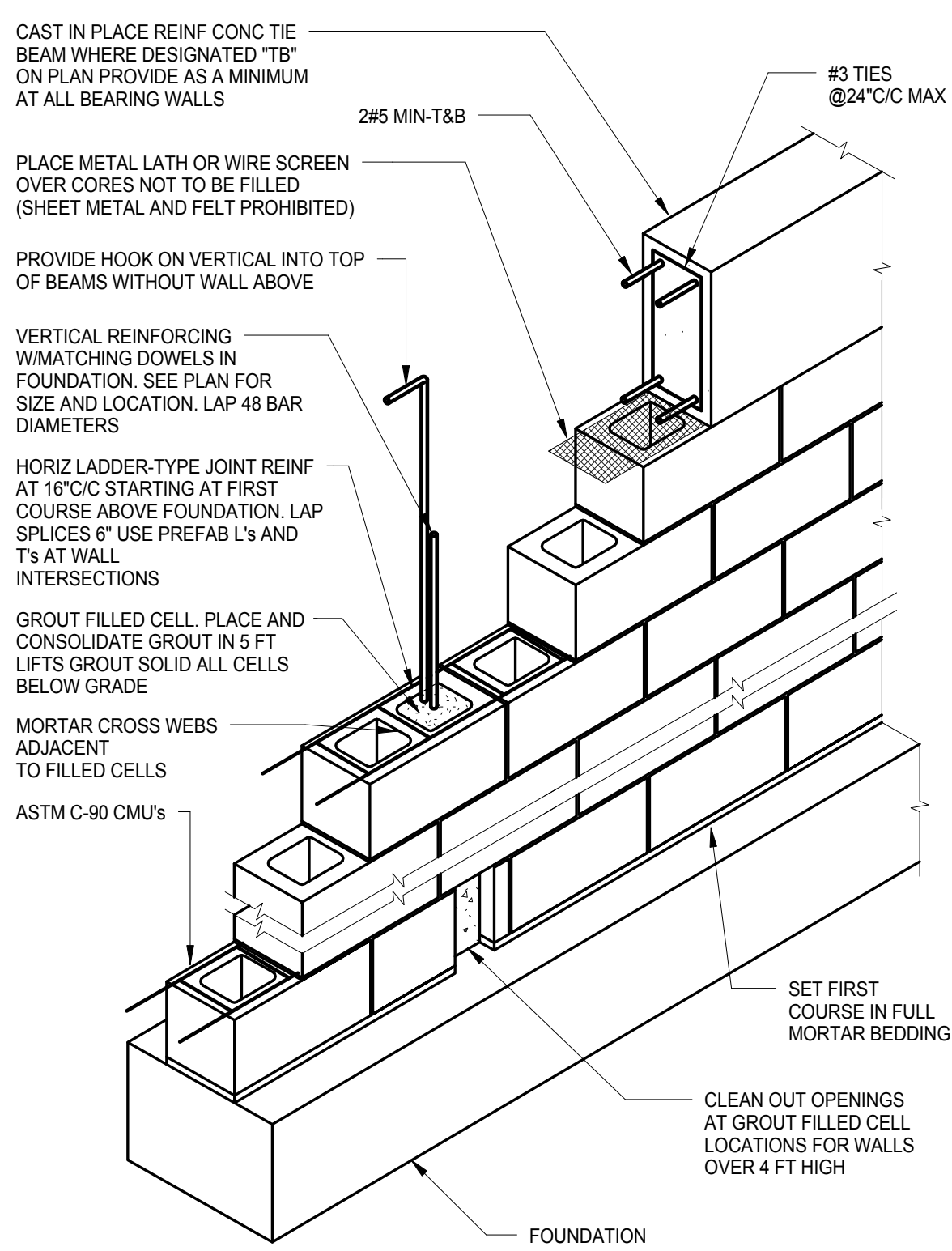
8 TYPICAL SECTION THRU TE-1  
S-1.1 N.T.S.



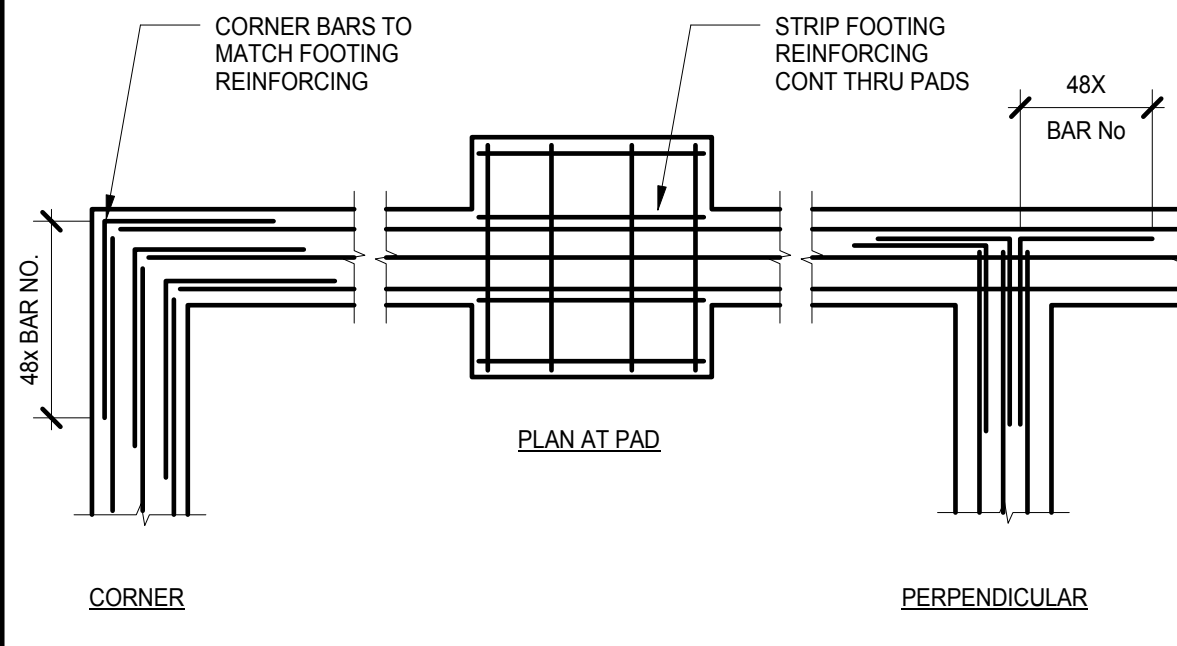
7 TYPICAL MASONRY CONTROL JOINT  
S-1.1 3/4\"/>



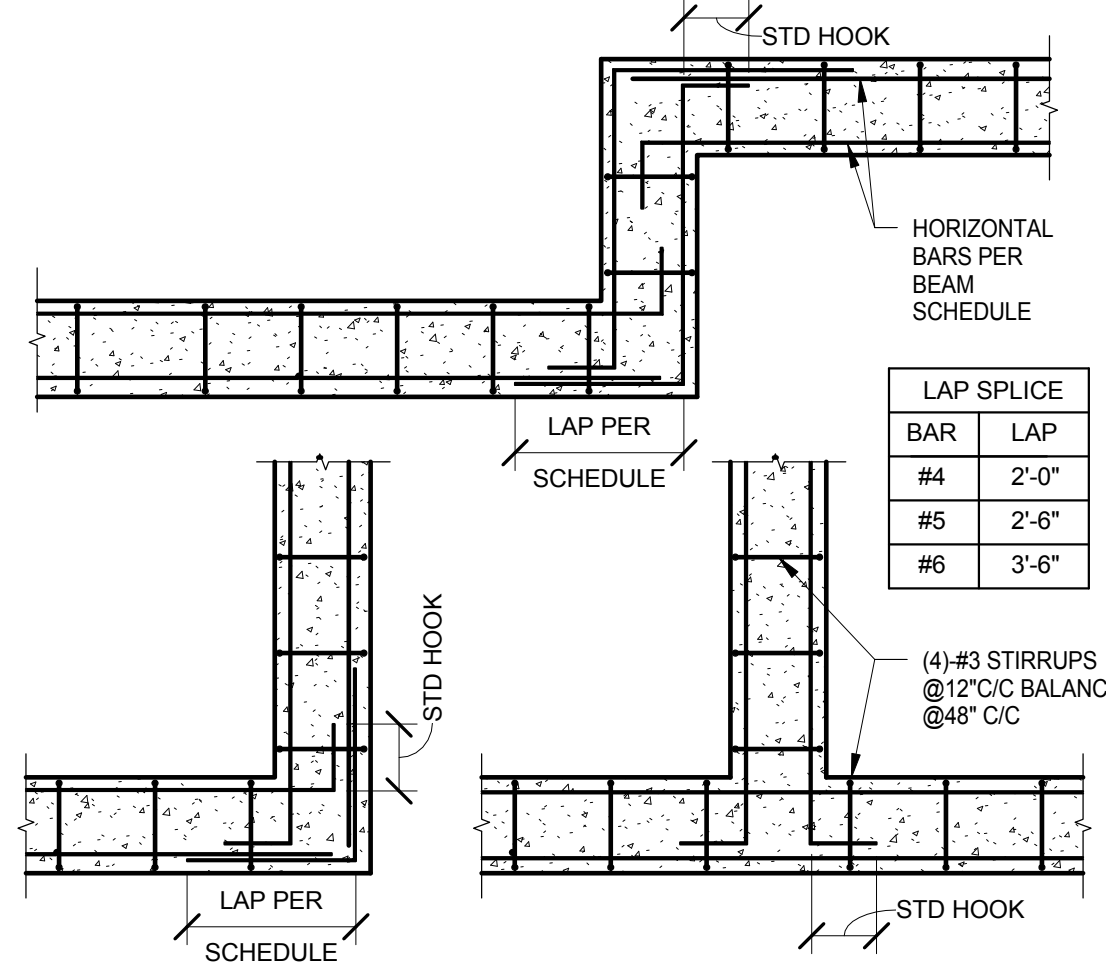
6 TYPICAL ISOLATION JOINT (IJ) DETAIL  
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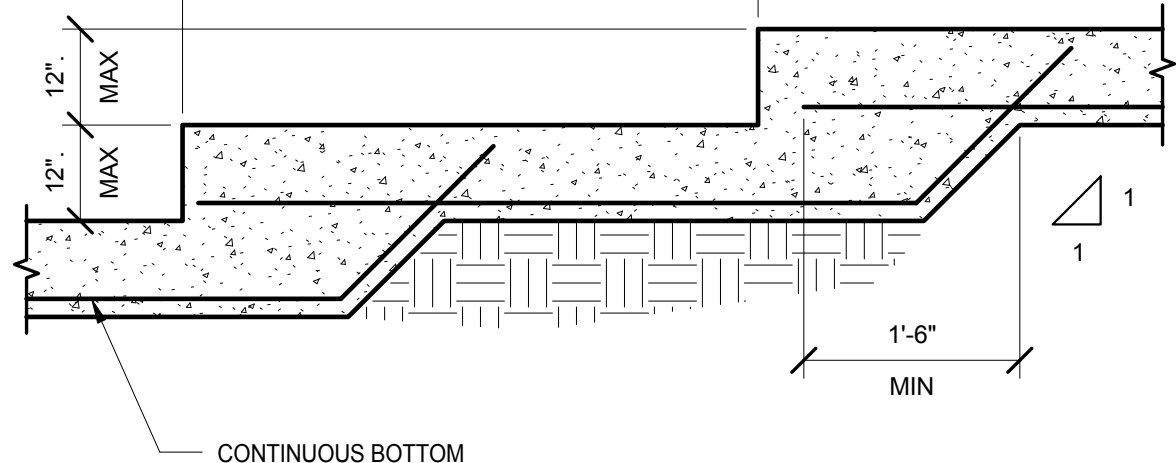
15 TYPICAL MASONRY WALL CONSTRUCTION DETAIL FOR RUNNING BOND LAYOUT  
S-1.1 N.T.S.



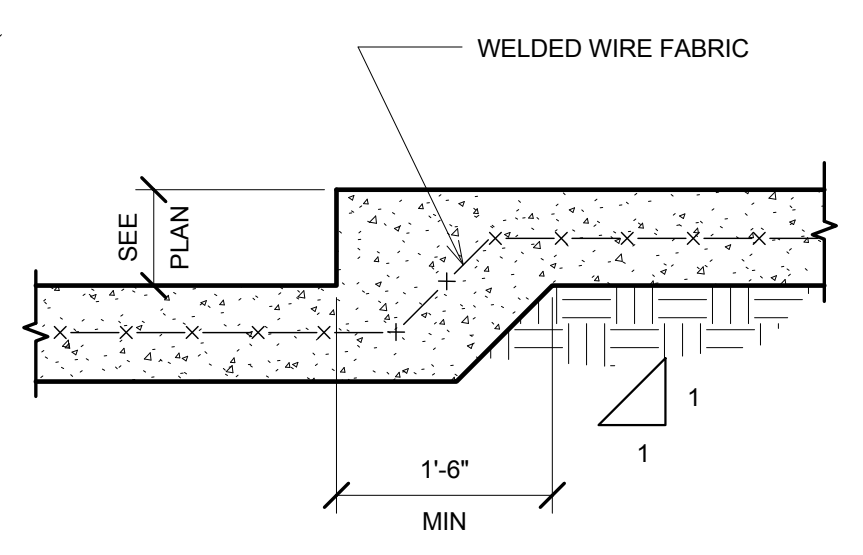
14 TYPICAL FOOTING INTERSECTION DETAIL  
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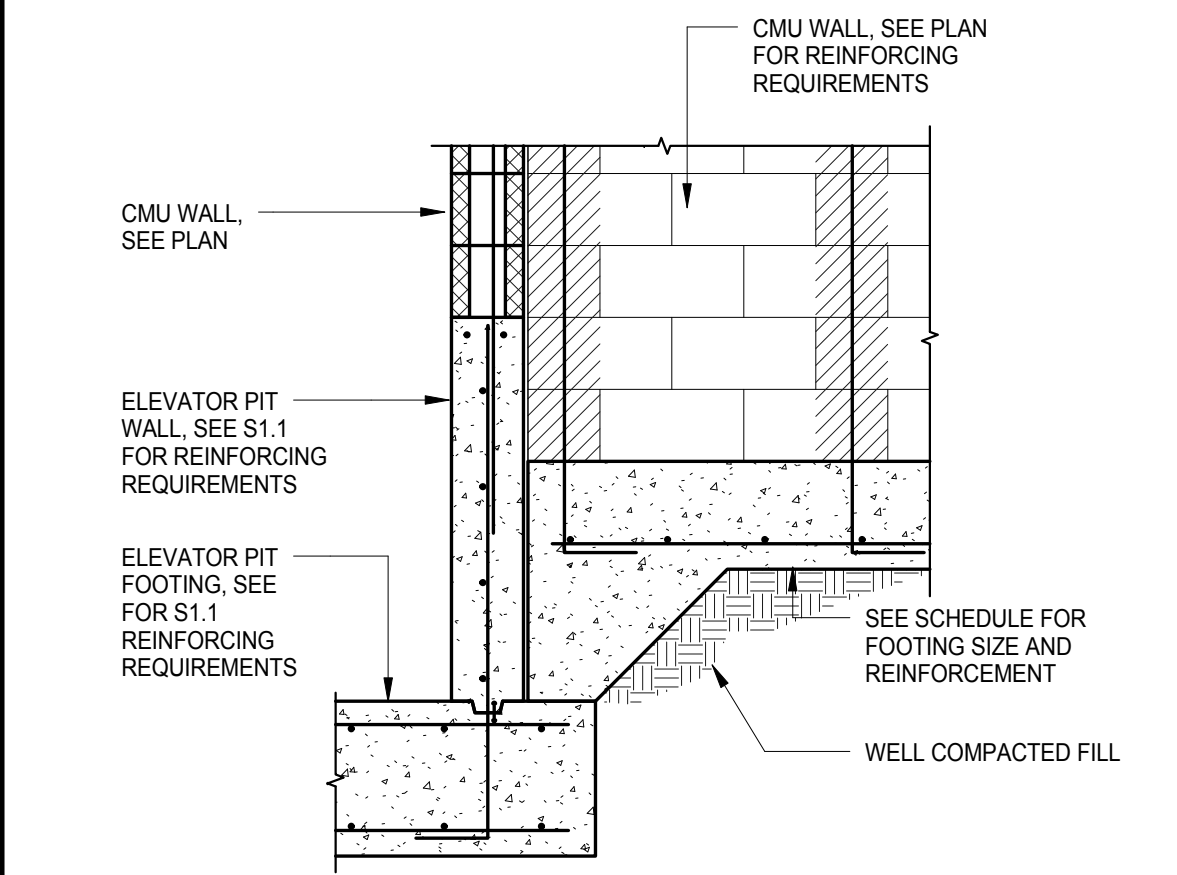
13 TYP. TIE BEAM CORNER REINFORCING DETAIL  
S-1.1 N.T.S.



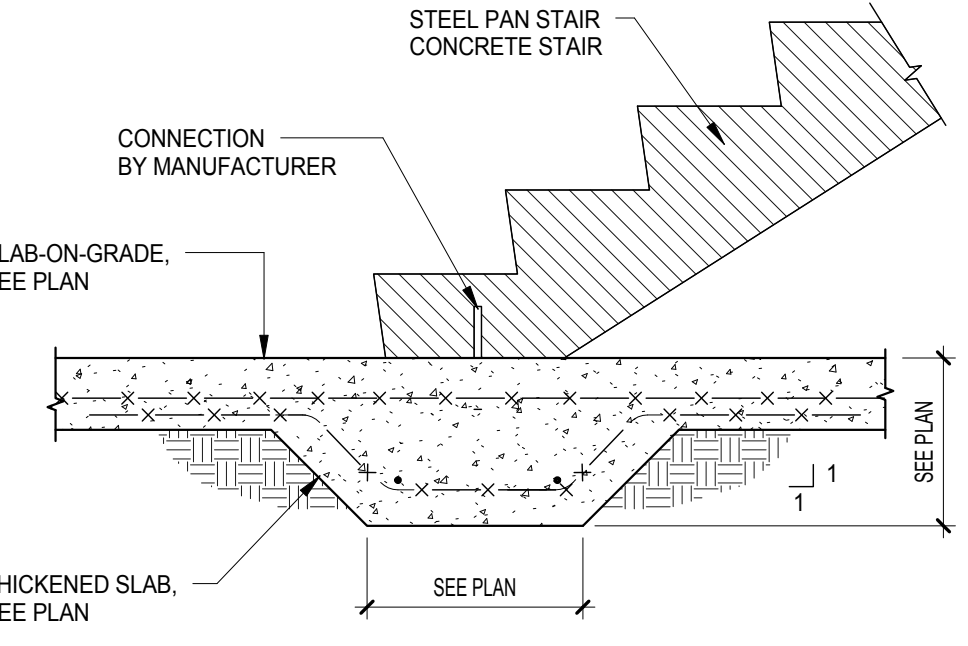
12 TYPICAL STEPPED FOOTING DETAIL  
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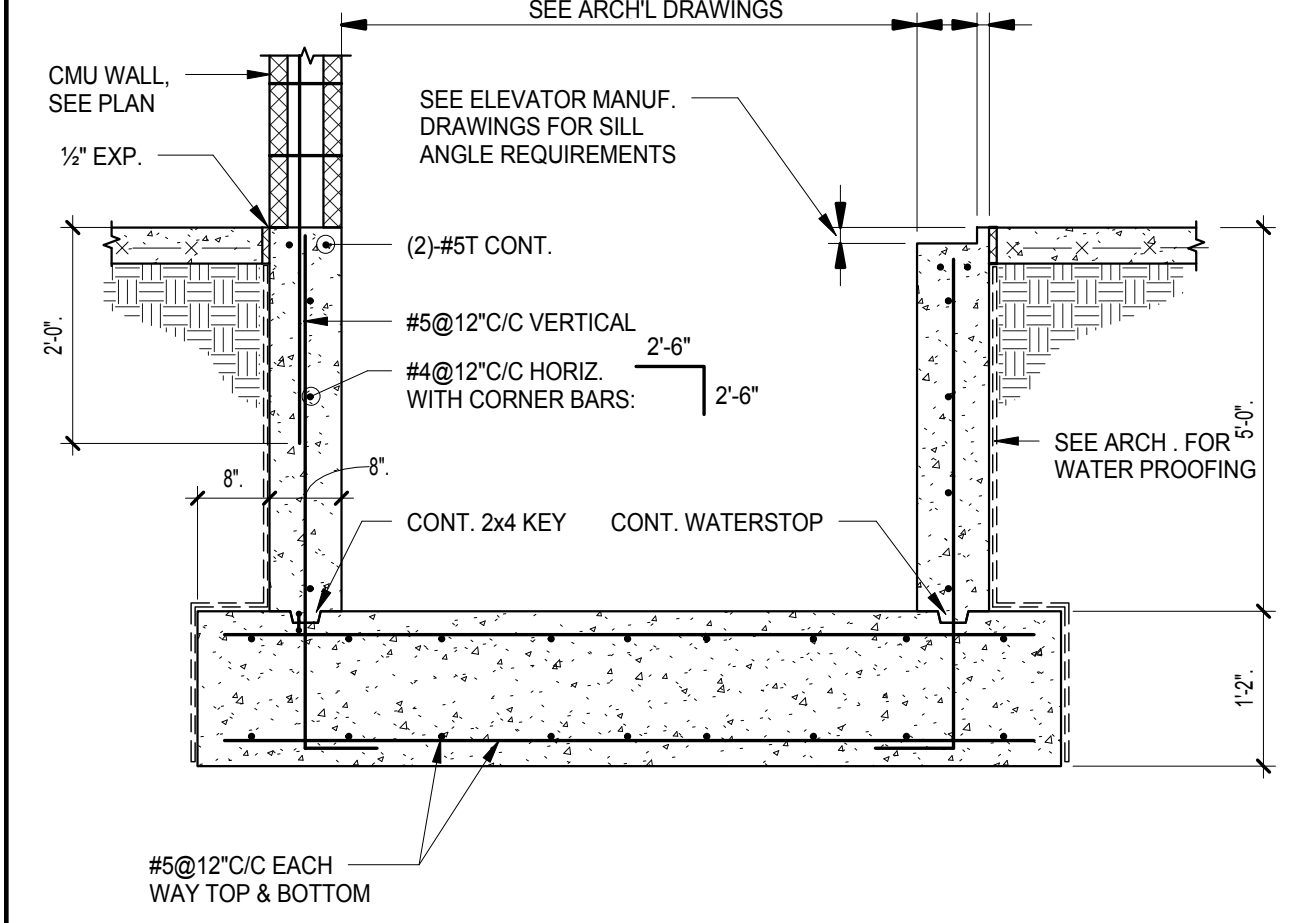
11 TYPICAL STEPPED SLAB DETAIL  
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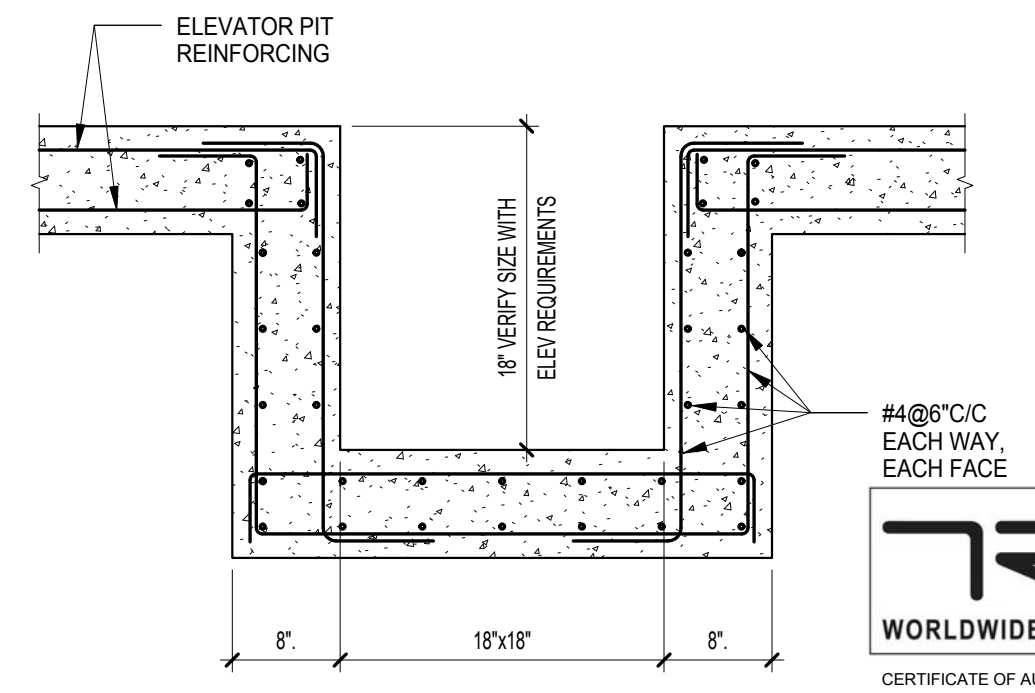
19 TYPICAL SECTION AT STEP FOOTING AT ELEVATOR  
S-1.1 N.T.S.



18 TYPICAL STAIR BASE DETAIL  
S-1.1 N.T.S.



17 TYPICAL ELEVATOR PIT DETAIL  
S-1.1 N.T.S.



16 TYPICAL SUMP PIT DETAIL  
S-1.1 N.T.S.

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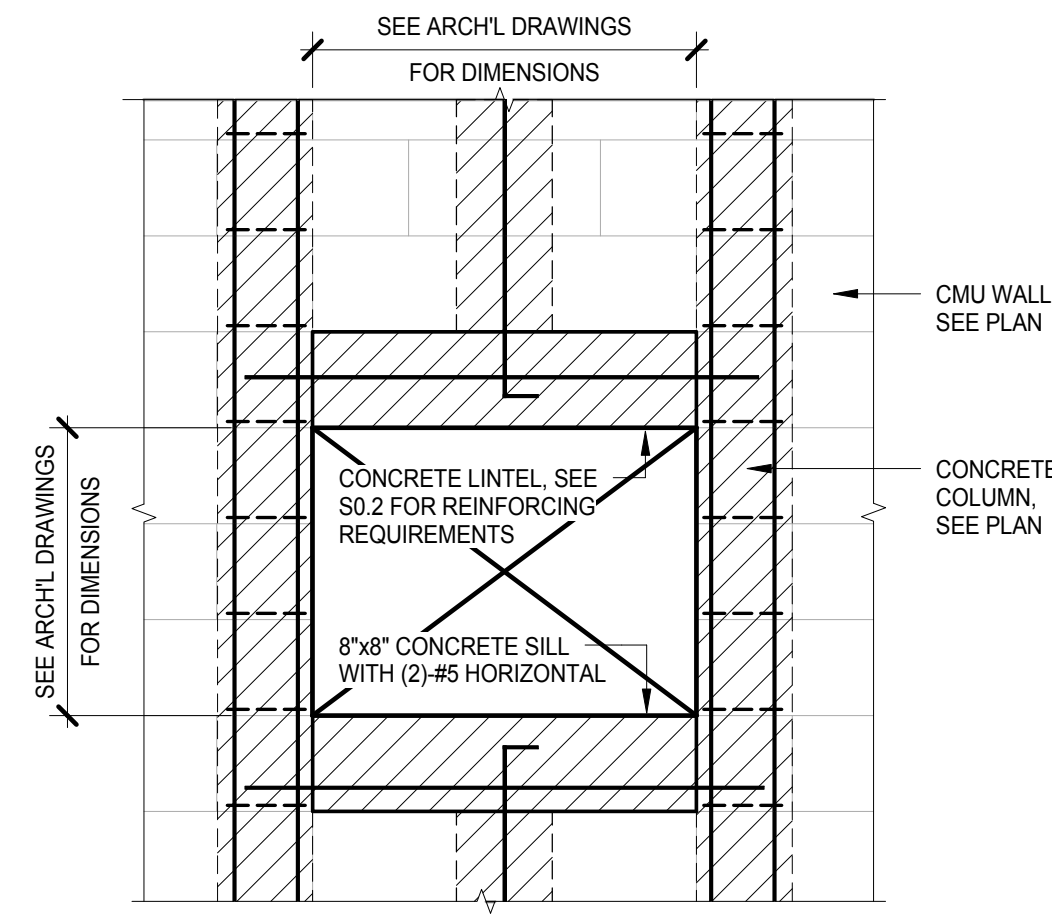
CPZ ARCHITECTS, INC.  
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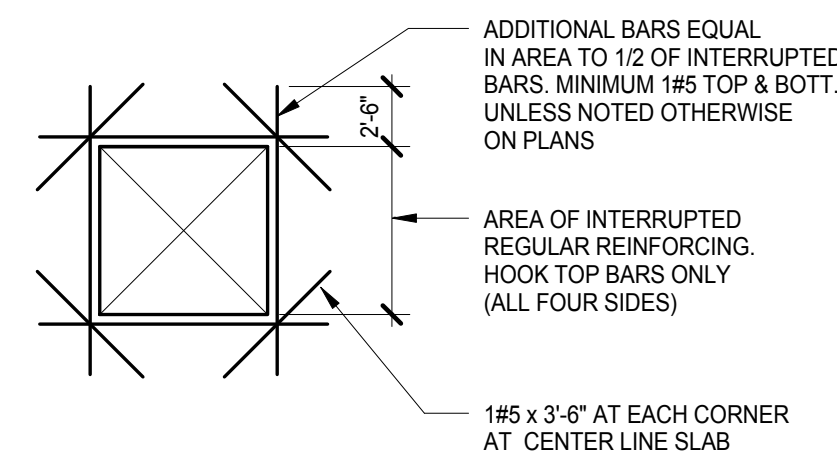
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 CHECKED: JM  
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 SCALE: As Indicated  
 PROJECT NO. 1234A  
 SHEET:

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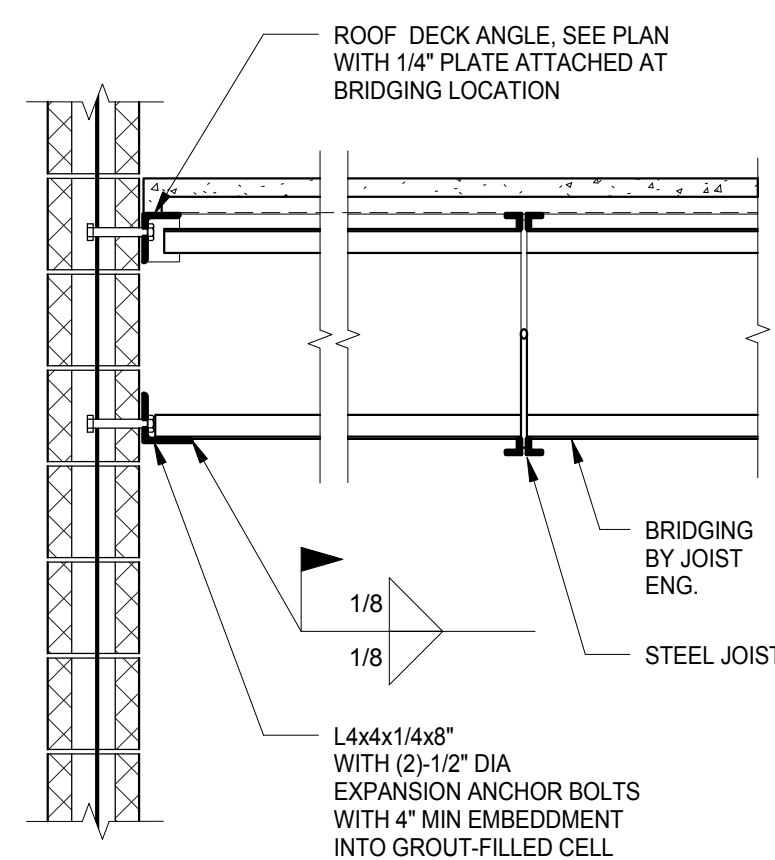


4 TYPICAL CMU WALL OPENING DETAIL  
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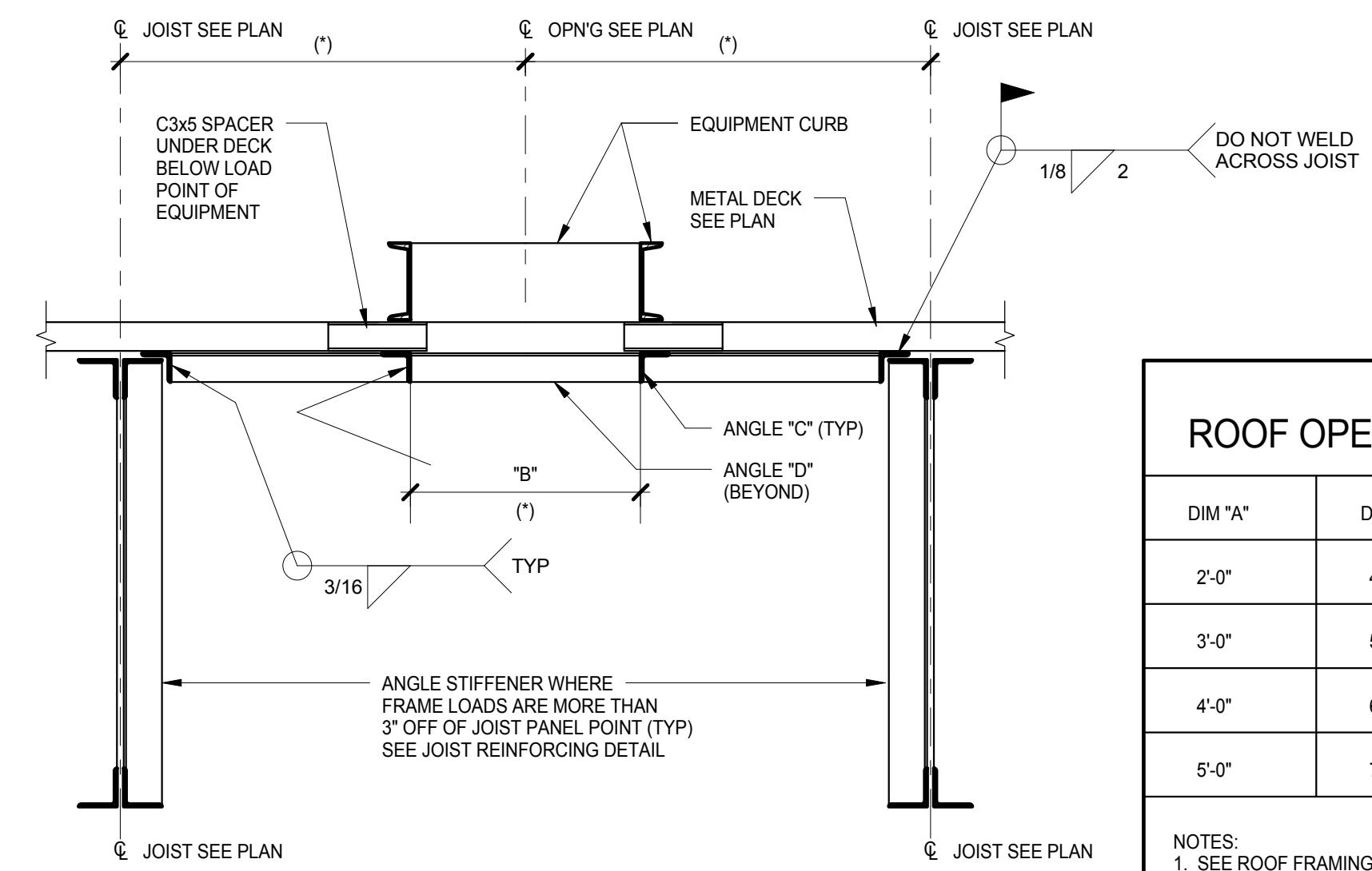


- NOTES:
- OMIT ADDED BARS AT OPENINGS OF 10" OR LESS AND RUN NORMAL REINFORCING BY SIDE OF OPNG.
  - HOOK BARS AT AFFECTED ENDS WHERE BARS CANNOT BE EXTENDED PAST THE OPENING.
  - OPENINGS SHALL BE SHOWN ON THE STEEL PLACING DRAWINGS AND REINFORCED ACCORDINGLY.

3 TYPICAL REINFORCEMENT AT SLAB OPENING DETAIL  
S-1.2 N.T.S.



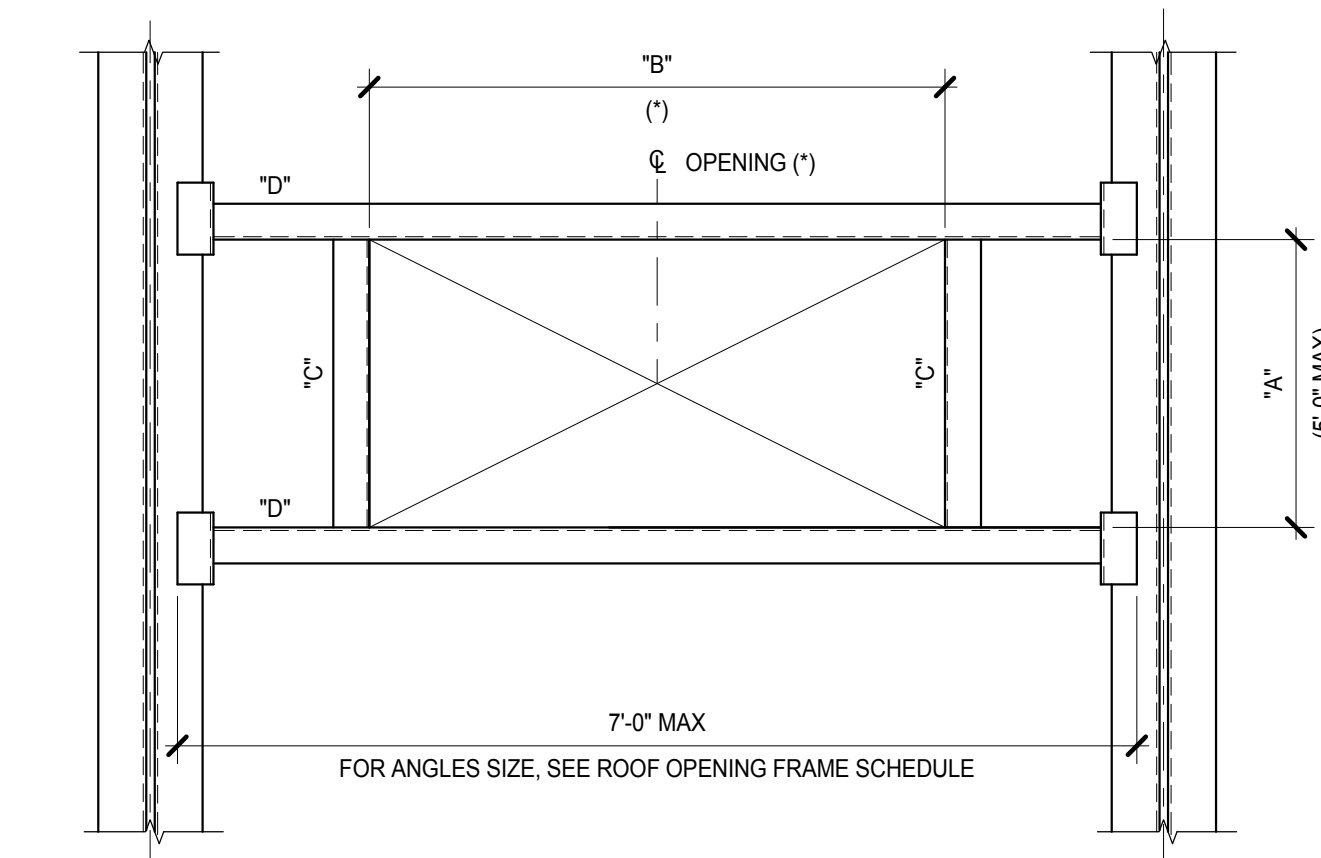
2 TYPICAL BRIDGING DETAIL  
S-1.2 N.T.S.



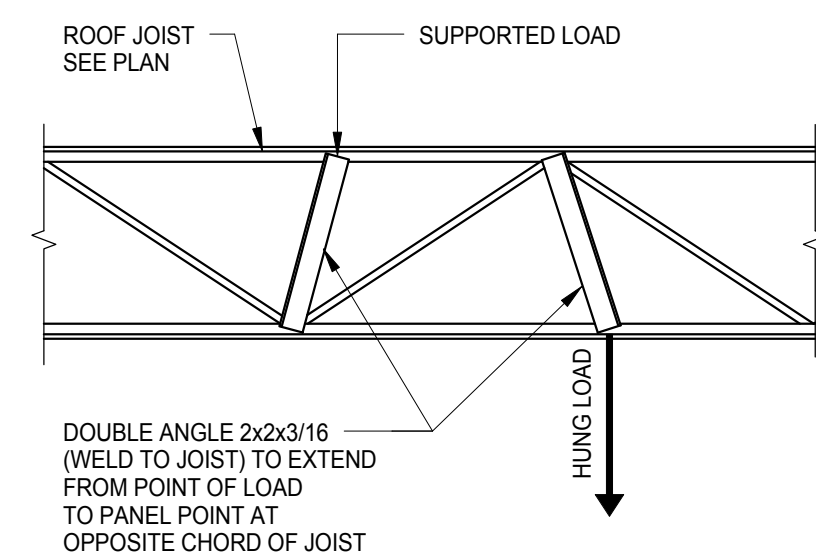
ROOF OPENING FRAME SCHEDULE

DIM "A"	DIM "B"	ANGLE SIZE "C"	ANGLE SIZE "D"
2'-0"	4'-0"	3x3x3 3/16	3x3x3 3/16
3'-0"	5'-0"	3x3x3 3/16	3x3x3 1/4
4'-0"	6'-0"	3x3x3 3/16	3 1/2x3 1/2x1/4
5'-0"	7'-0"	3x3x3 3/16	4x4x5/16

- NOTES:
- SEE ROOF FRAMING PLAN FOR ORIENTATION.
  - COORDINATE DIMENSION WITH EQUIPMENT SUPPLIER.
  - WHEN JOIST BRIDGING INTERFERES WITH ROOF OPENING FRAMES, STOP BRIDGING AT EACH SIDE OF OPENING AND "X" BRIDGE LAST BRIDGING SPACE EACH SIDE OF OPENING. ADD ADDITIONAL BRIDGING WITH "X" BRIDGING AND HORIZONTAL BRIDGING ON EACH SIDE OF CUT BRIDGING AREA. EXTEND ADDED BRIDGING PAST CUT BRIDGING.

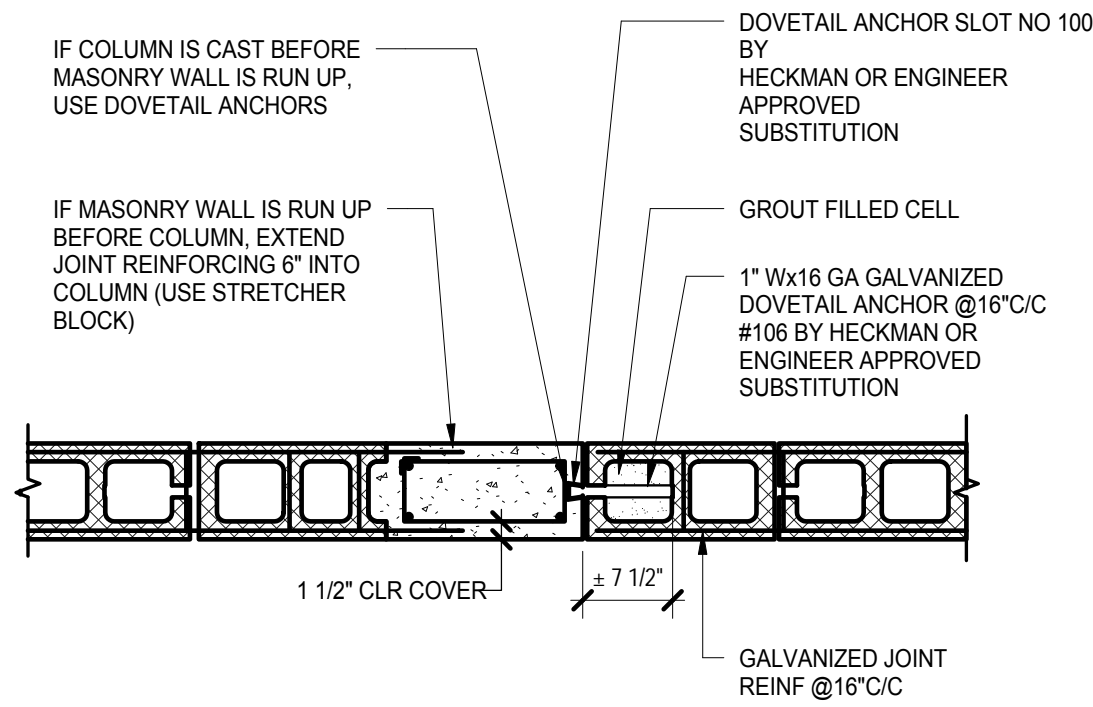


1 TYPICAL ROOF OPENING FRAME DETAILS WITH ANGLES  
S-1.2 N.T.S.

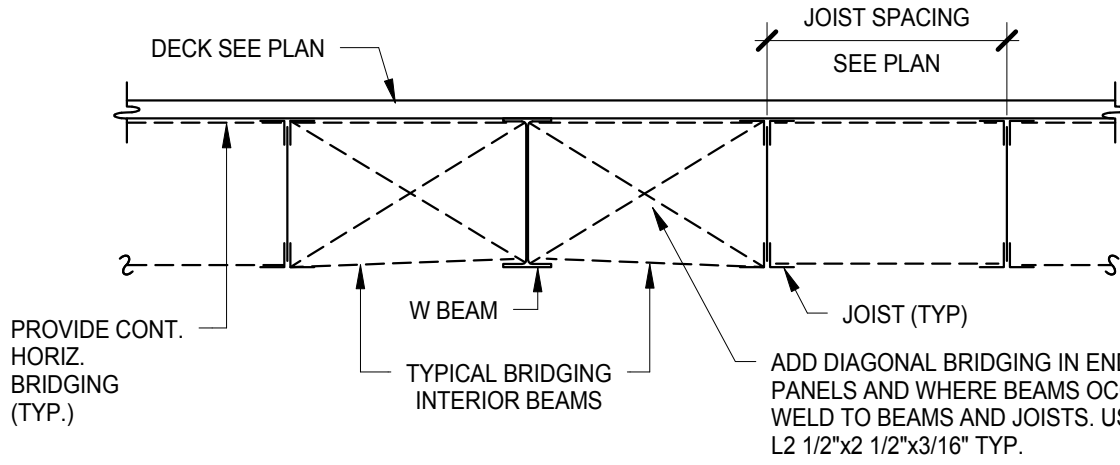


- NOTES:
- PROVIDE REINFORCEMENT AT SUPPORTED OR HUNG LOADS > 300#
  - DETAIL NOT REQD. IF LOAD IS APPLIED DIRECTLY TO JOIST PANEL POINT
  - COMPLY WITH JOIST MANUFACTURERS REQUIREMENTS.

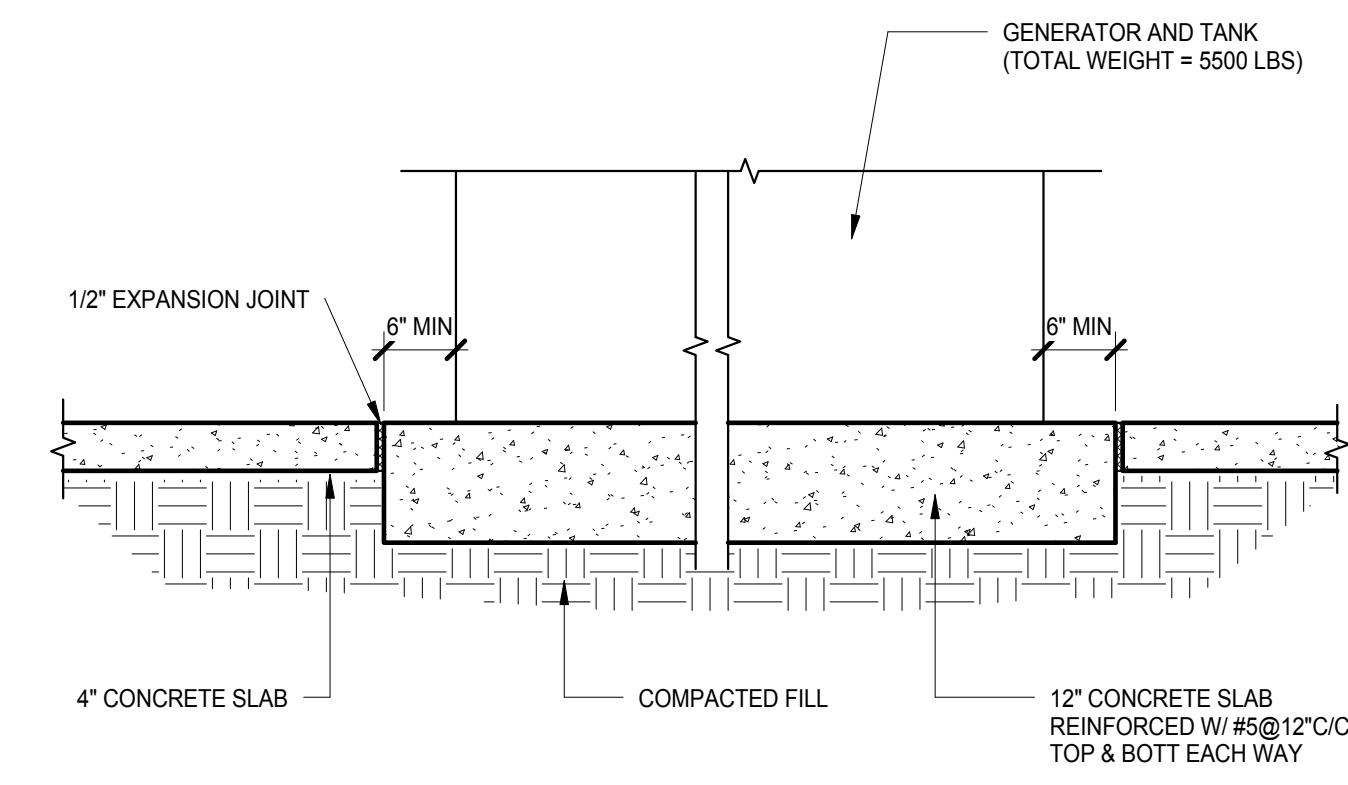
5 JOIST REINFORCING DETAILS AT POINT LOADS  
S-1.2 N.T.S.



7 TYPICAL TIE COLUMN ANCHORAGE DETAIL  
S-1.2 N.T.S.



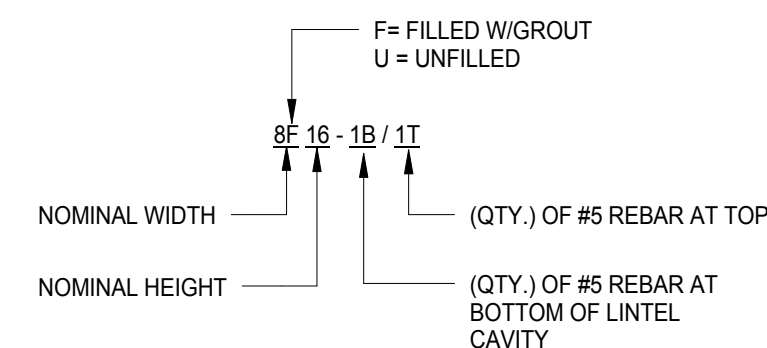
6 TYPICAL JOIST BRIDGING DETAIL  
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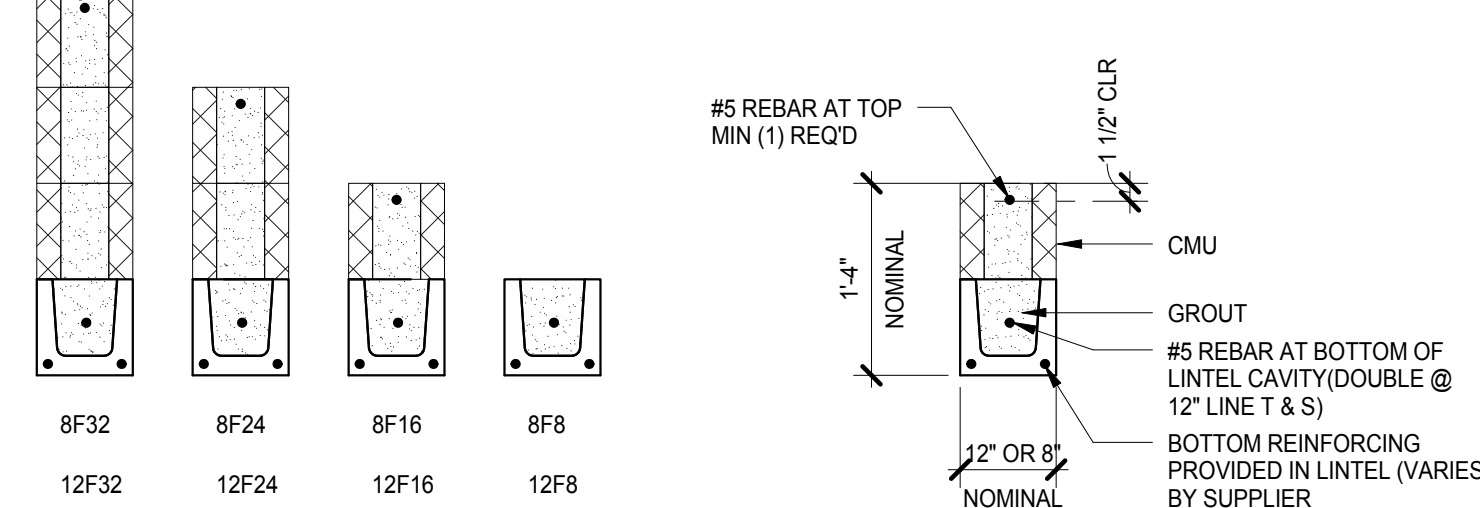
12 TYPICAL GENERATOR AND TANK SLAB  
S-1.2 N.T.S.

LINTEL SCHEDULE		
LINTEL SPAN	LINTEL DESIGNATION	REMARKS
UP TO 4'-0"	8 F8-1B 12F8-2B	
FROM 4'-0" TO 6'-0"	8 F8-1B/1T 12F8-2B	
FROM 6'-1" TO 8'-0"	8 F16-1B/1T 12F16-2B/2T	
FROM 8'-1" TO 10'-0"	8 F24-2B/2T 12F16-2B/2T	
FROM 10'-1" TO 13'-0"	8 F32-2B/2T 12F24-2B/2T	
OVER 13'-0"	CAST IN PLACE BEAM	

- NOTES:
- LINTELS SHALL BE "CAST-IN-PLACE" OR EQUIVALENT PRECAST CONCRETE U.N.O
  - LINTELS SHALL BEAR 5" MIN. ON CMU CONCRETE AND 3" MIN ON STEEL ANGLES.

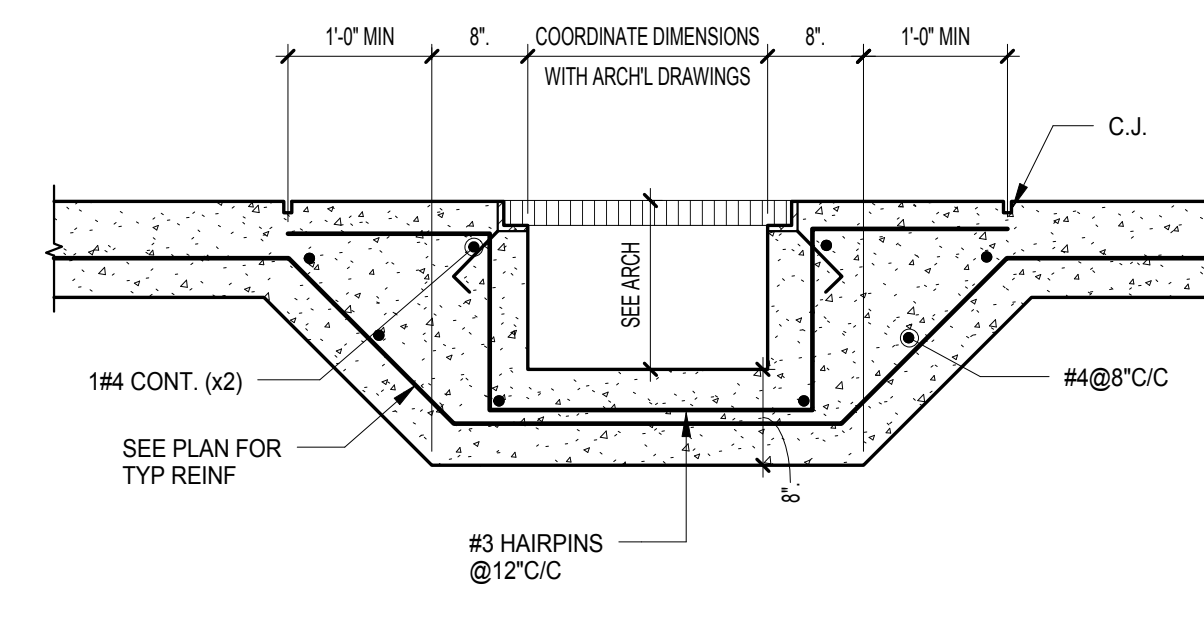


TYPE DESIGNATION



- NOTE: @ 12" LINTELS, PROVIDE 2 BARS SIDE BY SIDE WHERE SINGLE BAR IS SHOWN W/ IN 8" LINTEL DETAIL

10 MASONRY OPENING LINTEL DETAIL  
S-1.2 N.T.S.



9 TYPICAL TRENCH DETAIL  
S-1.2 N.T.S.

BAR NUMBER	8" CMU CENTER
#3	1'-3"
#4	1'-8"
#5	2'-1"
#6	3'-3"
#7	4'-2"

8 CMU REINFORCING LAP SPLICE SCHEDULE  
S-1.2 N.T.S.

NO.	REVISION	DATE

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COCONUT CREEK FIRE STATION #50

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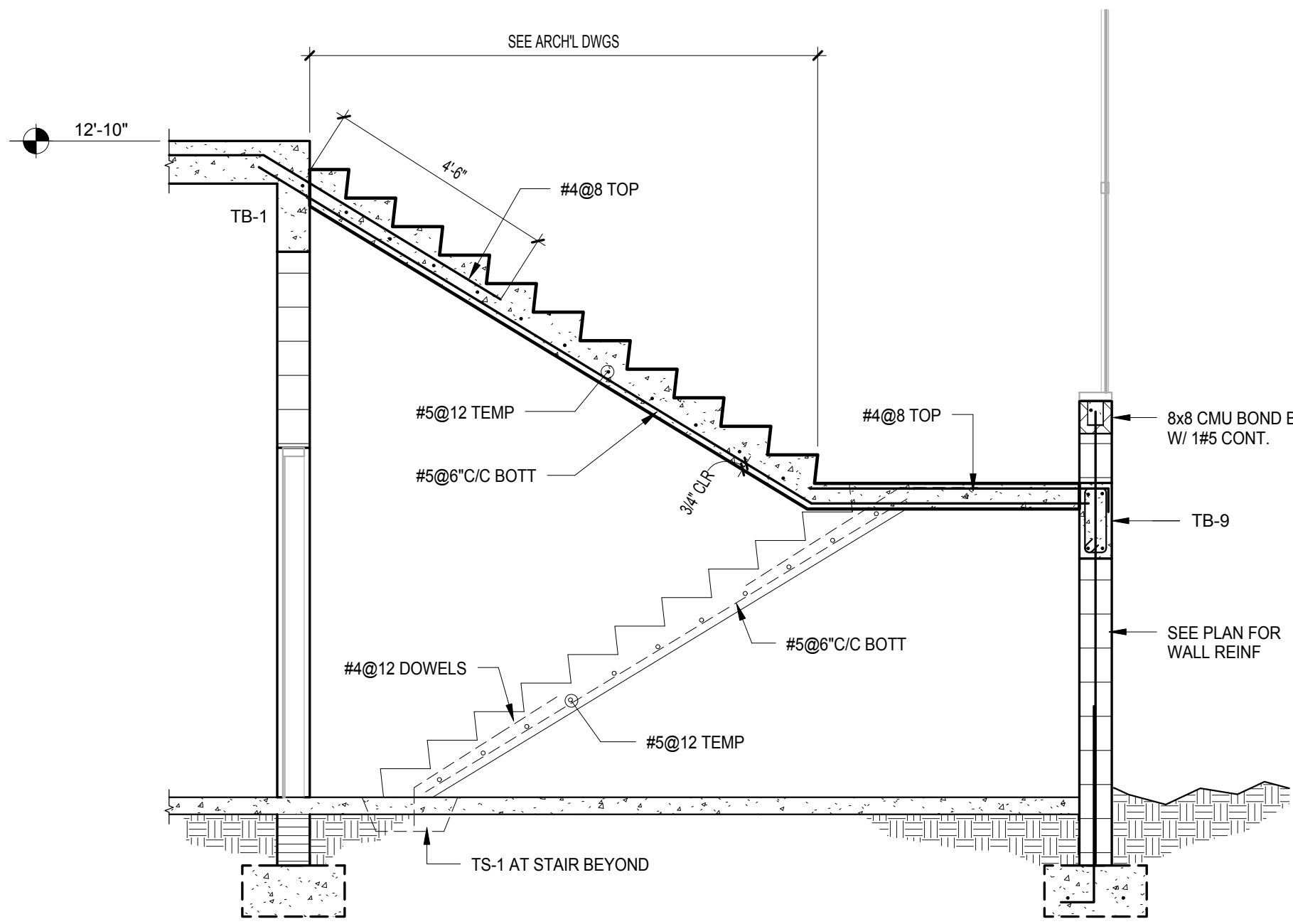
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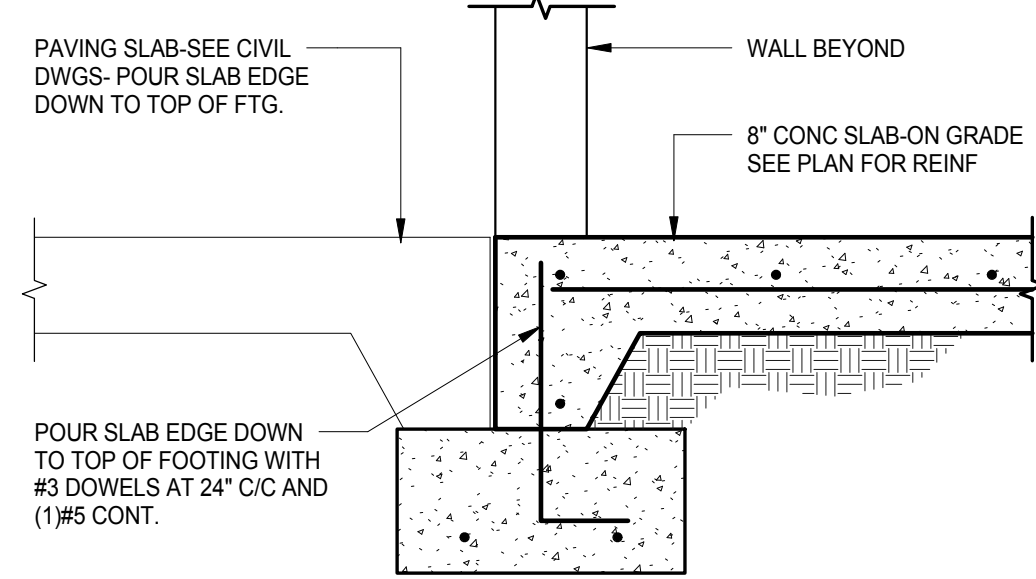
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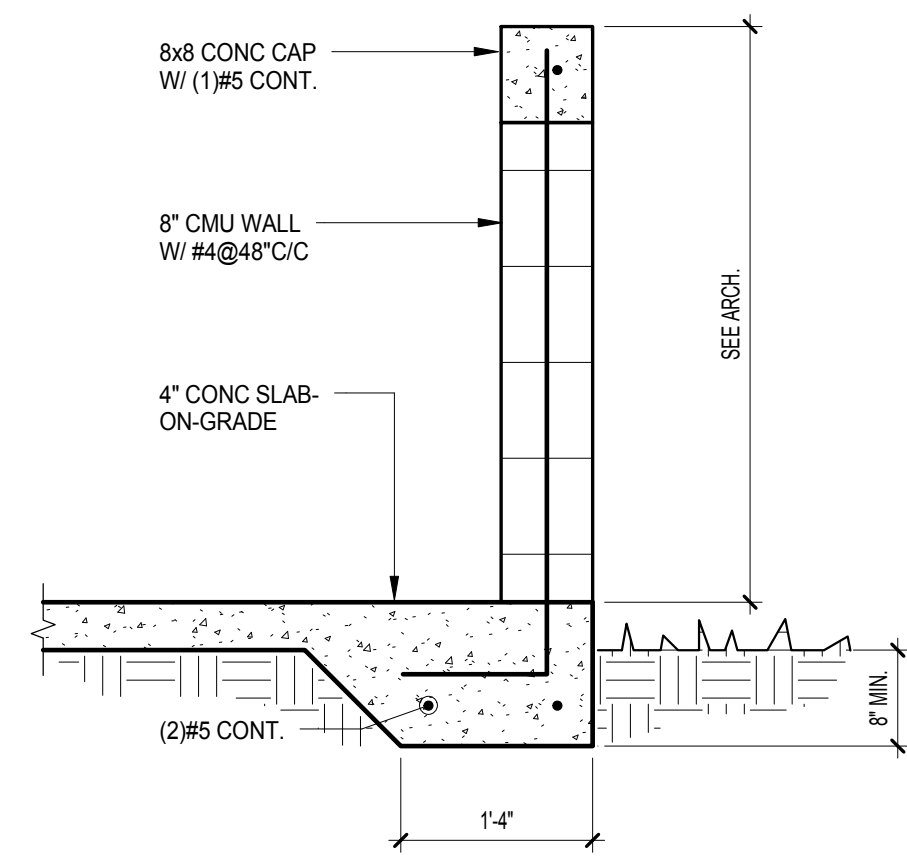
3 STAIR SECTION

S-2.1 3/8\"/>



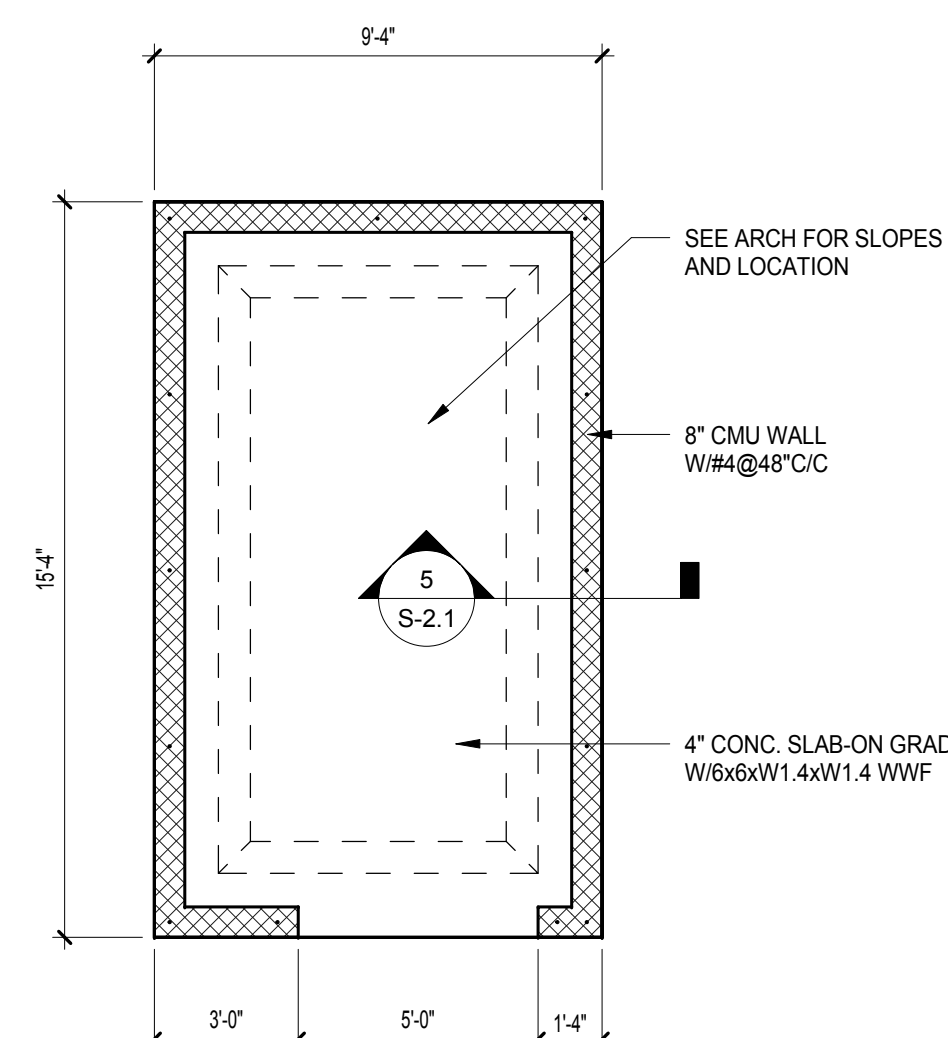
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S-2.1 3/4\"/>



5 SECTION

S-2.1 3/4\"/>

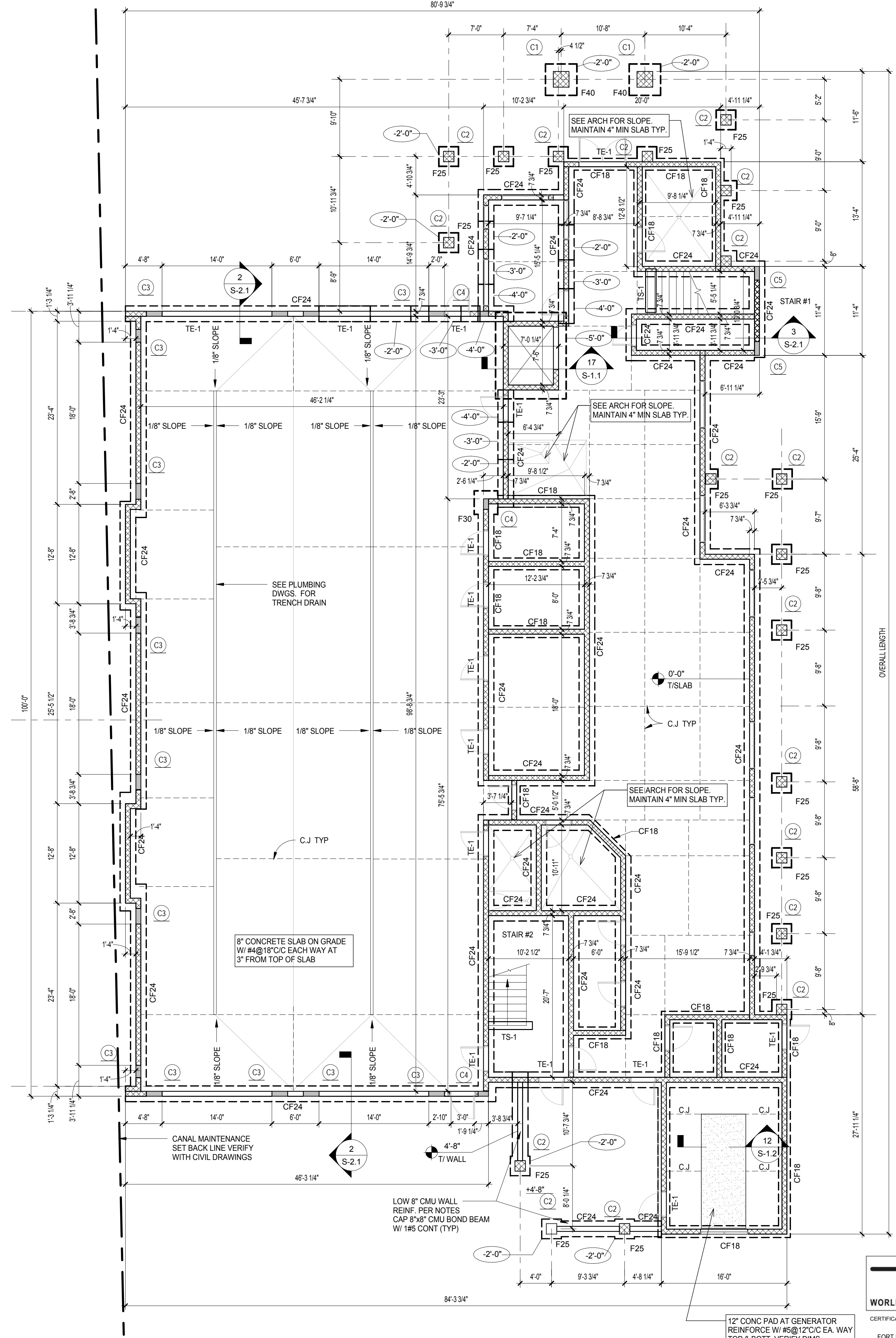


4 GARBAGE/RECYCLING BIN PLAN

S-2.1 1/4\"/>

**FOUNDATION/GROUND FLOOR PLAN NOTES:**

- VERIFY ALL DIMENSIONS, ELEVATIONS AND SLAB FINISHES WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
- CENTERLINES OF COLUMNS AND WALLS SHALL COINCIDE WITH THE FOUNDATION CENTERLINES UNLESS SHOWN OTHERWISE.
- SEE DRAWING FOR BEAM, COLUMN AND FOOTING SCHEDULES.
- SEE DRAWING S0.1 FOR STRUCTURAL NOTES.
- ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO DATUM AT +0'-0" UNLESS OTHERWISE NOTED. FEET N.A.V.D. (VERIFY WITH ARCHL AND CIVIL DRAWINGS).
- ELEVATION TOP OF FOOTINGS SHALL BE -1'-4" UNLESS OTHERWISE SHOWN THUS SEE STEP FOOTING DETAIL.
- SLAB ON GRADE SHALL BE A MINIMUM 4" THICK WITH ONE LAYER OF 6x6 - W1.4 X W1.4 WELDED WIRE FABRIC AT 1/3-DEPTH UNLESS OTHERWISE NOTED. WIRE FABRIC SHALL BE PROVIDED IN SHEETS AND PLACED ON SAND CHAIRS. REFERENCE ARCHITECTURAL DRAWINGS FOR SLOPES AND DRAINS. PLACE SLAB ON 10 MIL VAPOR BARRIER ON COMPACTED FILL. SEE PLAN FOR SLAB AT APPARTUS BAY
- SLAB CONTRACTION JOINTS ARE REQUIRED AND ARE INDICATED AS C.J. ON PLAN. CONTRACTION JOINTS SHALL BE SAW CUT (WITHIN 4 HOURS OF POUR). CONTRACTION JOINT LOCATION SHOWN MAY BE CHANGED AS REQUIRED FOR CONSTRUCTION SEQUENCING PROVIDED. THE MAXIMUM DISTANCE BETWEEN JOINTS IS LESS THAN 16'; THE SLAB AREA BETWEEN JOINTS IS LESS THAN 256 SQUARE FEET; THE BOUNDED AREA IS AS SQUARE AS POSSIBLE AND IN NO CASE THE RATIO OF LONG SIDE TO SHORT SIDE EXCEED 1.5.
- SLAB CURING IS REQUIRED. SEE STRUCTURAL NOTES.
- TE-1 - INDICATES AN 8" WIDE X 8" DEEP X CONTINUOUS CONCRETE THICKENED SLAB EDGE REINFORCED WITH (1) #5 HORIZONTAL REINFORCING BAR.
- INDICATES MASONRY WALL, WITH #6@24"C/C AND AT EACH SIDE OF OPENINGS, AT WALL INTERSECTIONS, ENDS OF WALL AND WHERE SHOWN.
- TS-1 - INDICATES A 16" WIDE X 12" DEEP X CONTINUOUS THICKENED SLAB REINFORCED WITH (2) #5 HORIZ. REINF. BAR.
- AT APPARTUS BAY SLAB ON GRADE PLACE 12" OF SUBGRADE STABILIZED TO LBR OF 40 AND COMPACTED TO 98% OF AASHTO T-190 MAX. DRY DENSITY. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.



1 FOUNDATION FLOOR PLAN

S-2.1 1/8\"/>

NO.	REVISION	DATE
1	Construction Set	11/03/14

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COCONUT CREEK FIRE STATION #50

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FOUNDATION PLAN

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CHECKED: JM

DATE: 06-12-14

SCALE: As Indicated

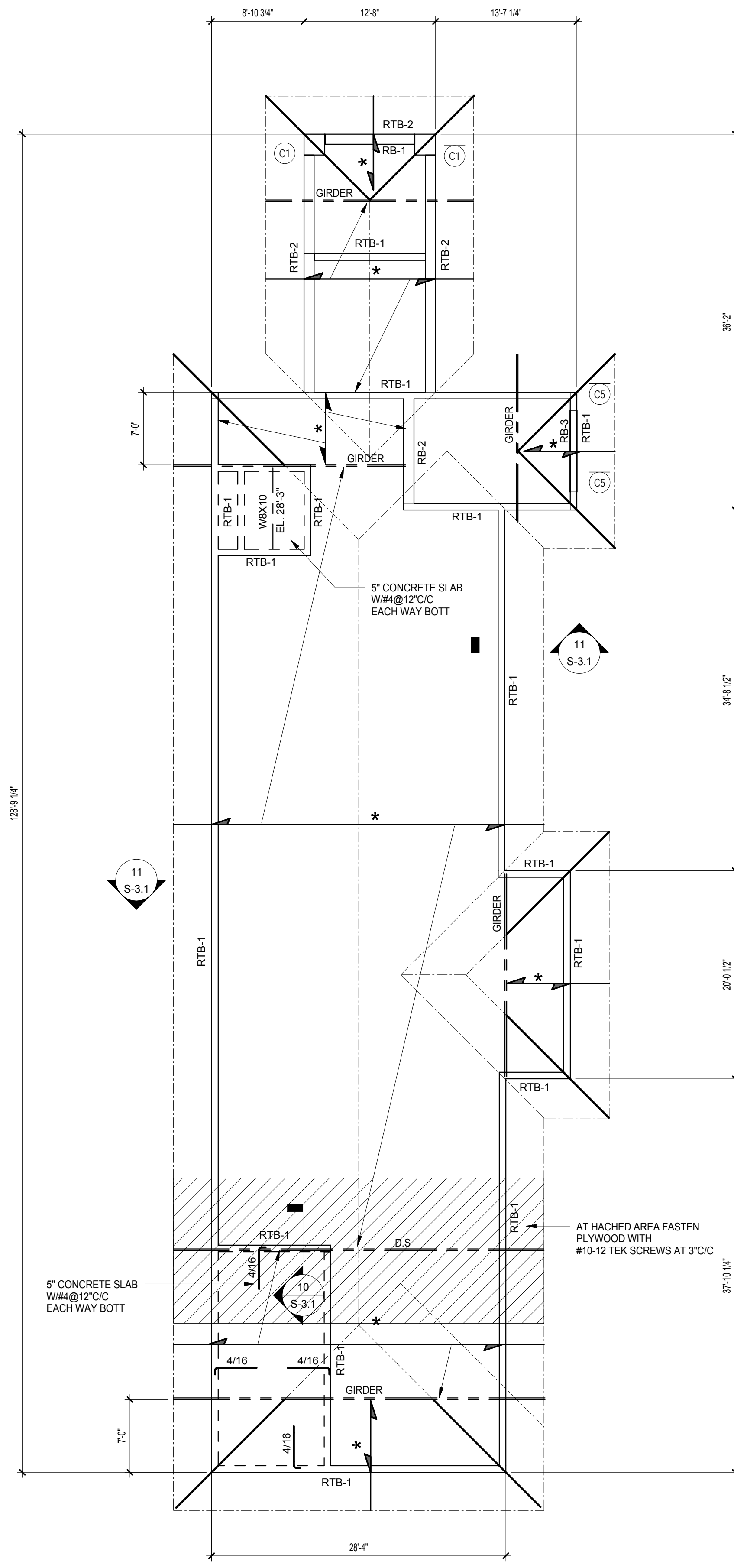
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S-2.1

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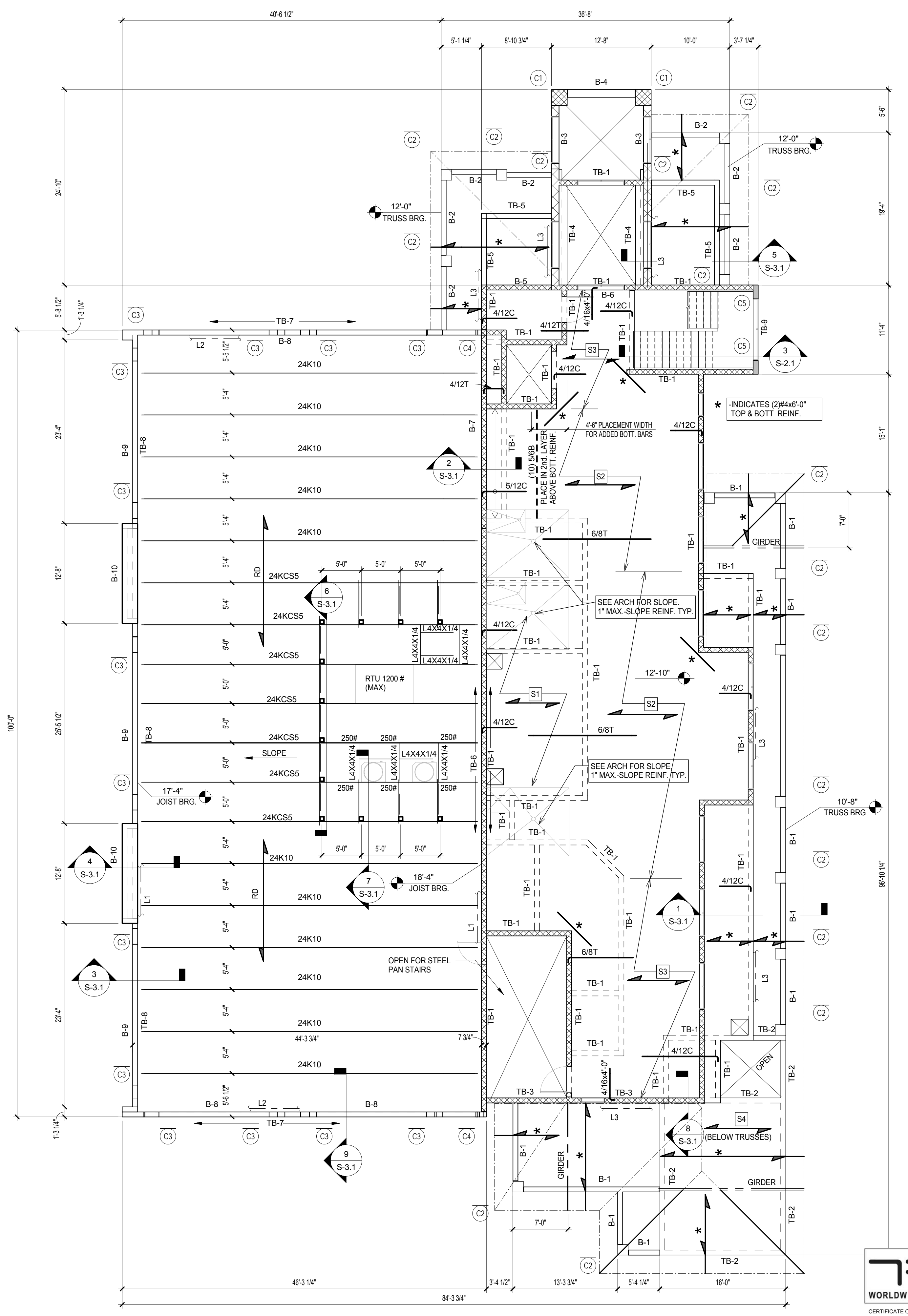


**2** ROOF FRAMING PLAN  
S-2.2 1/8" = 1'-0"

- NOTES:**
- ROOF FRAMING IS SPECIALTY ENGINEERED LIGHT GAUGE ROOF TRUSSES SPACED AT 2'-0" MAX. TOP CHORD SHALL BE 18 GAGE STEEL MINIMUM. PROVIDE FRAMING MEMBERS AT ALL VALLEYS AND RIDGE LINES. ANCHOR TRUSSES AT ALL BEARING POINTS WITH SIMPSON LTA2 WITH (10) #10 TEK SCREWS. ANCHOR GIRDERS WITH (2) SV/GT2.5 WITH (1) 5/8" DIA A307 EPOXY SET THREADED RODS 6" EMBED, AND (16) #14 TEK SCREWS EACH CONNECTION. 2 PLY GIRDER MIN. WITH 16 GAUGE MIN TOP CHORD.
  - INDICATES DIRECTION OF TRUSS SPAN
  - ROOF SHEATHING SHALL BE 5/8" PLYWOOD SHEATHING. FIRE RETARDANT TREATED (FRT) FASTEN TO TRUSSES WITH #10-12 TEK SCREWS AT 3" C/C WITHIN 7'-0" OF ROOF PERIMETER AND 6" C/C ELSEWHERE.
  - D.S. INDICATES DRAG STRUCT TRUSS DESIGNED FOR ±14k SHEAR DUE TO WIND.

- SECOND FLOOR/LOW ROOF PLAN NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING MATERIALS, ROOF SLOPES, DRAINS, ETC.
  - ALL ELEVATIONS SHOWN ON THESE PLANS ARE RELATIVE TO THE TOP OF THE GROUND FLOOR SLAB AT ELEVATION +0'-0".
  - REFER TO STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
  - VERIFY ALL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
  - FOR SIZE AND LOCATION OF ROOF OPENINGS SEE MECHANICAL AND ARCHITECTURAL DRAWINGS.
  - MECHANICAL EQUIPMENT SHALL BE LOCATED WITHIN LIMITS SHOWN ON ROOF PLANS.
  - FOR DIMENSIONS NOT SHOWN SEE FOUNDATION PLAN ON S2.1 AND ARCHITECTURAL DRAWINGS.
  - MAXIMUM SPACING OF STEEL JOISTS TO BE 5'-6" UNLESS NOTED OTHERWISE ON PLAN.
  - L1 = DECK ANGLE L3"x3"x1/4" WITH 5/8" DIAMETER ANCHOR BOLTS AT 16" C/C MAXIMUM WITH 4" EMBEDMENT.
  - L2 = DECK SUPPORT ANGLE L5"x3"x1/4" (LLV) WITH 5/8" DIAMETER ANCHOR BOLTS AT 16" C/C MAXIMUM WITH 5" EMBEDMENT.
  - L3 = L.G. TRUSS LEDGER ANGLE L6"x4"x1/16" (LLV) CONT. WITH 5/8" DIAMETER ANCHOR BOLTS AT 24" C/C MAX. WITH 5" EMBEDMENT.
  - TOP OF STEEL SHALL BE AS NOTED ON PLAN
  - ROOF SYSTEM OVER BAR JOIST SHALL CONSIST OF 1 1/2" DEEP, TYPE 'B', 22 GAGE GALVANIZED (G90) CORRUGATED VENTED STEEL DECK. REFER TO STRUCTURAL NOTES FASTEN TO SUPPORT WITH 5/8" DIA PUDDLE WELDS IN 3/8" PATTERN W/ (4) #10 TEK SIDELAP FASTENERS PER SPAN.
  - FLOOR SLAB SHALL BE 10" CONCRETE SLAB REINFORCED PER SLAB SCHEDULE AND AS SHOWN ON PLAN.
  - INDICATES LOAD-BEARING MASONRY WALL, WITH #6@24"C/C AND EACH SIDE OF OPENINGS, AT WALL INTERSECTIONS, ENDS OF WALL AND WHERE SHOWN.

SLAB REINFORCING SCHEDULE		
MARK	THICKNESS	REINFORCING
S1	10"	5/12B; 4/10 TEMP
S2	10"	5/6B; 4/10 TEMP
S3	10"	5/8B; 4/10 TEMP
S4	6"	5/9B; 4/12 TEMP



**1** SECOND FLOOR AND LOW ROOF FRAMING PLAN  
S-2.2 1/8" = 1'-0"

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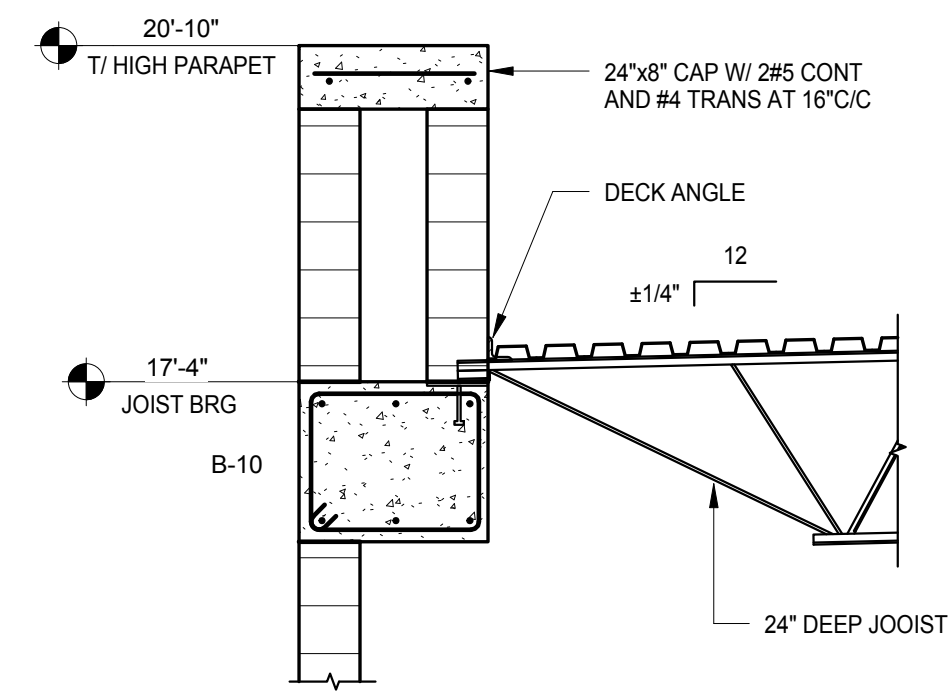
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 PROJECT NO. 1234A  
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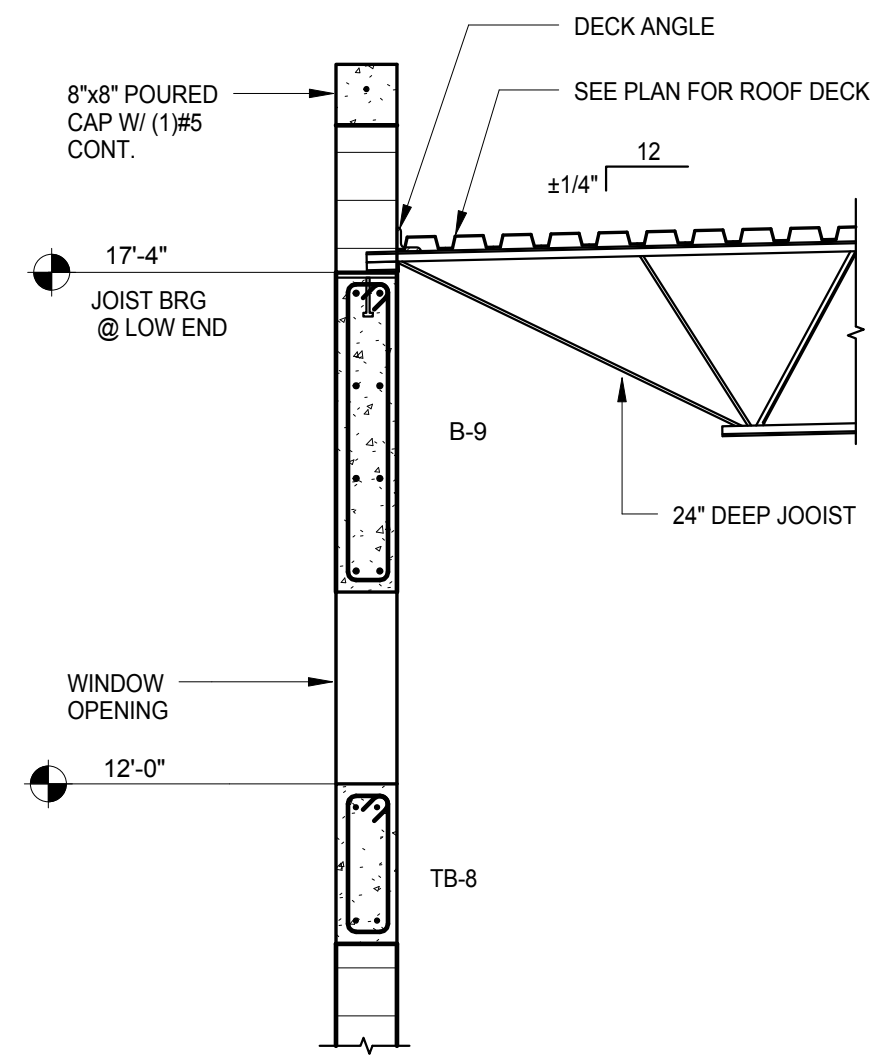
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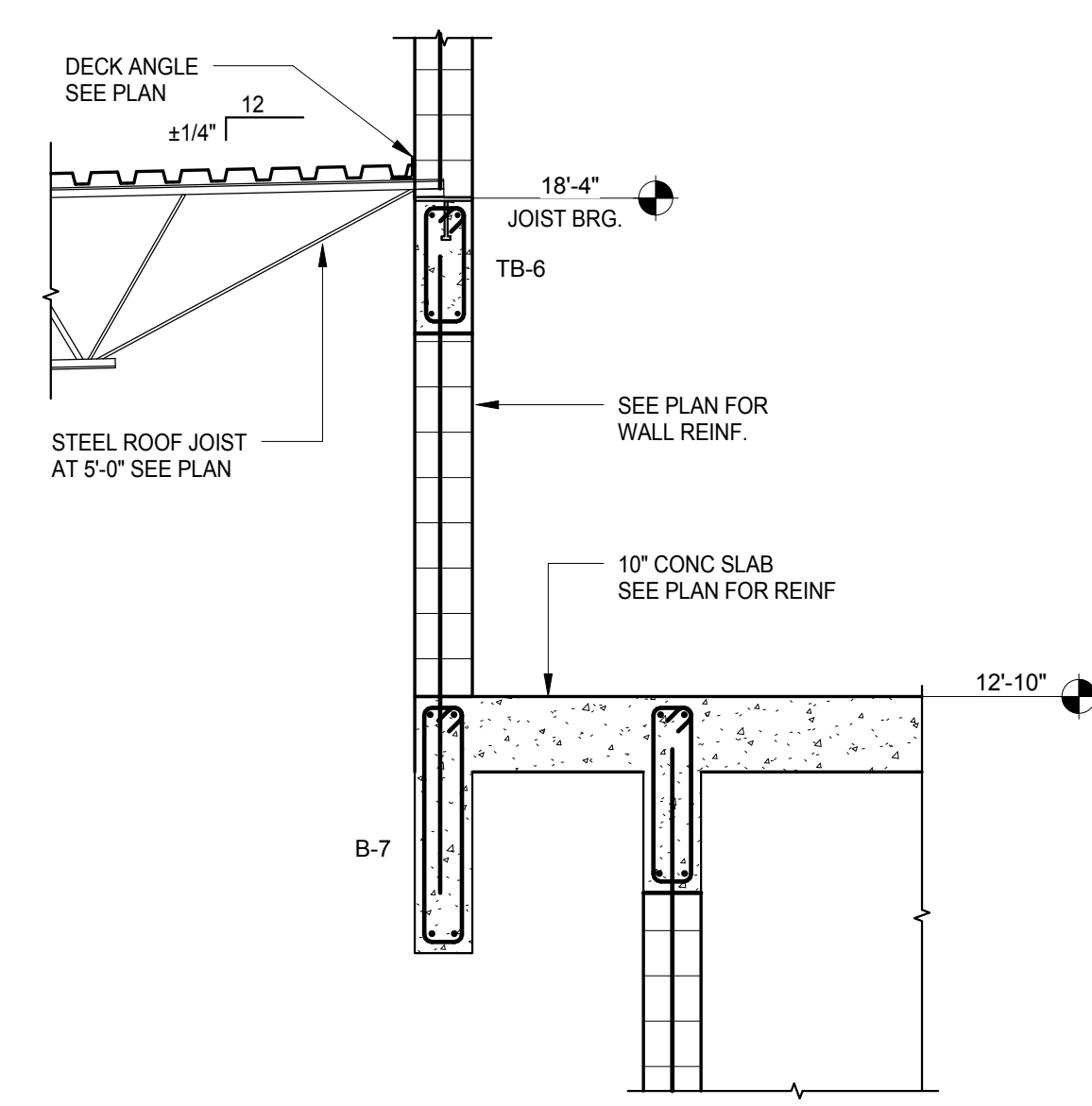




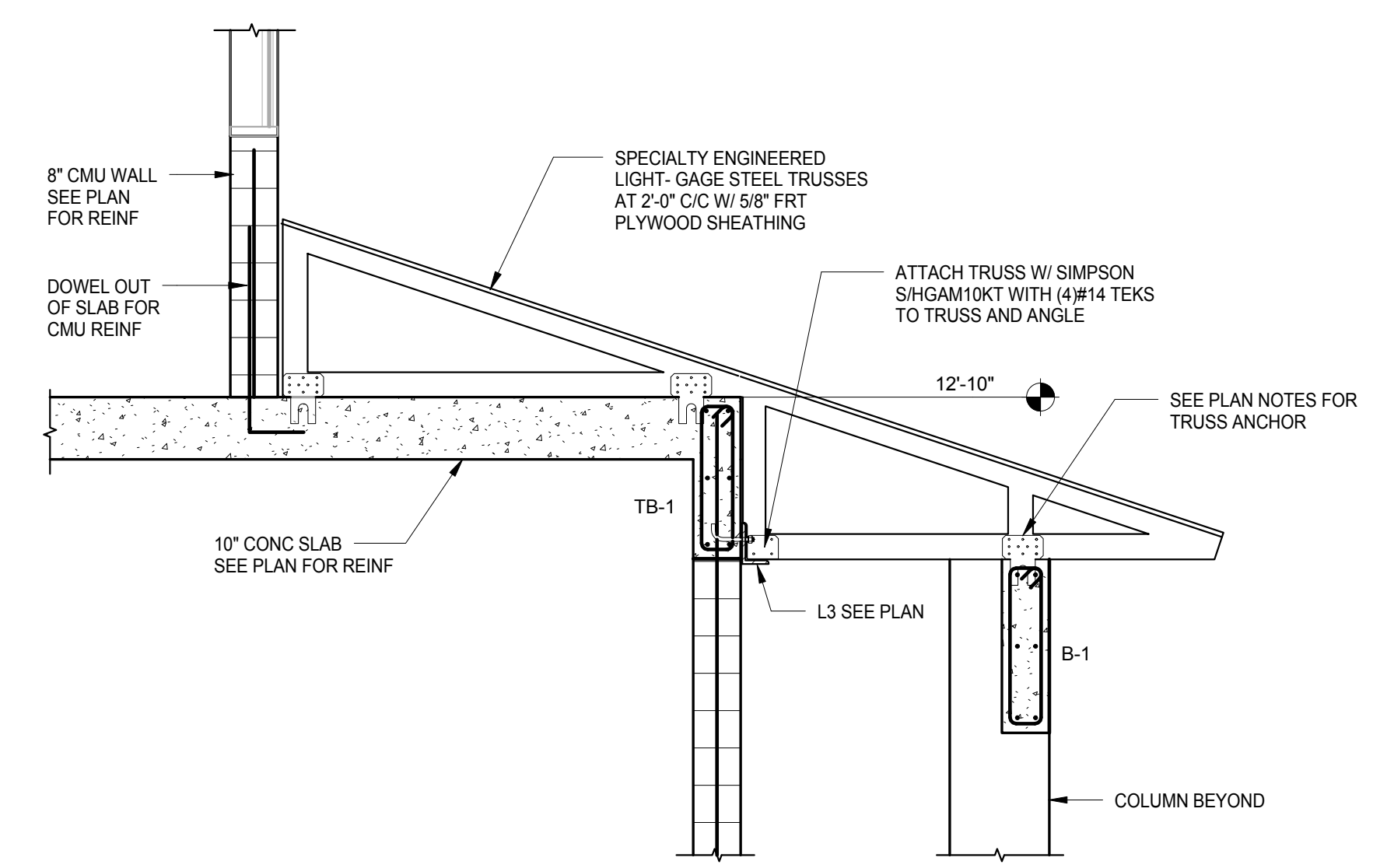
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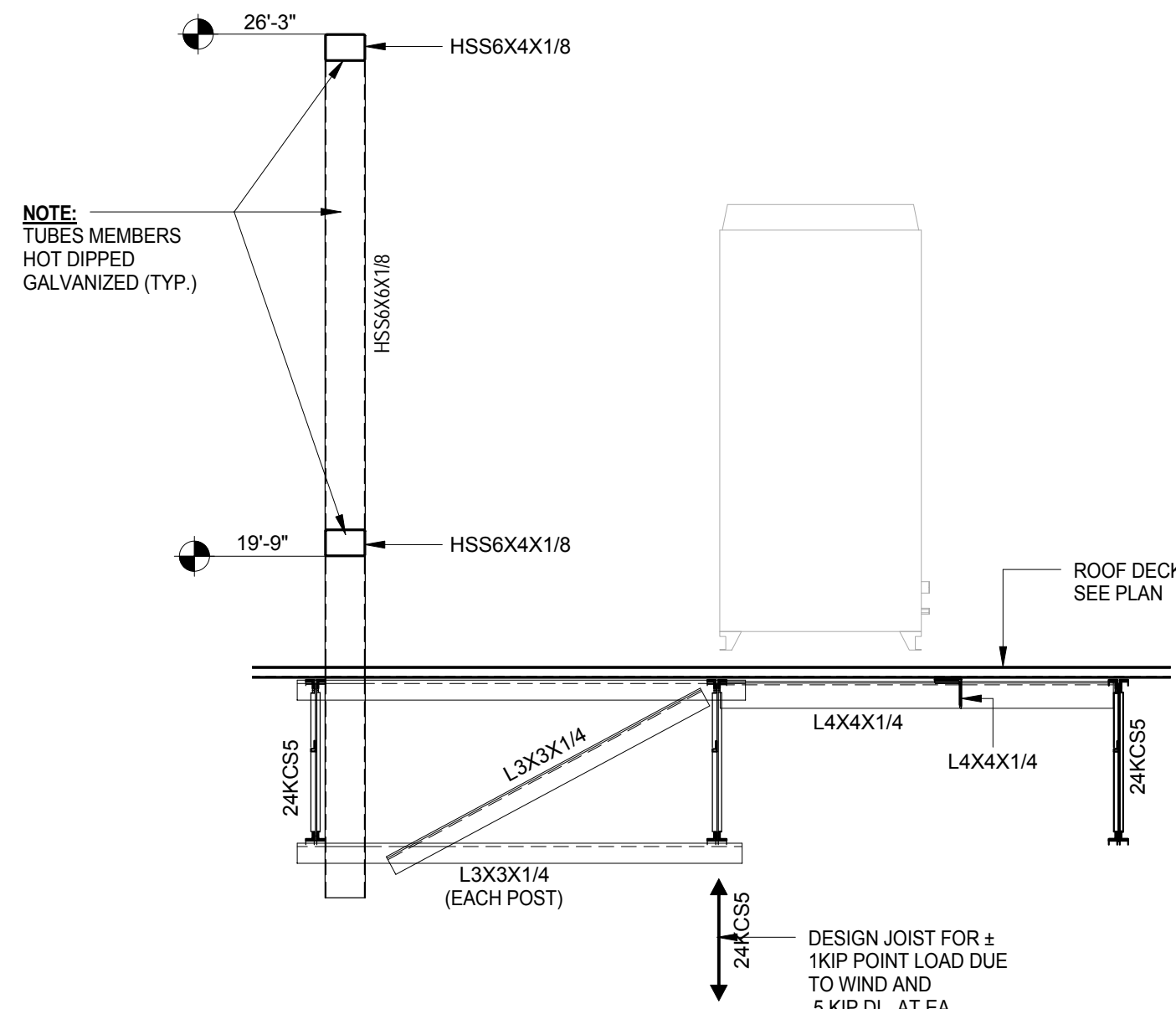
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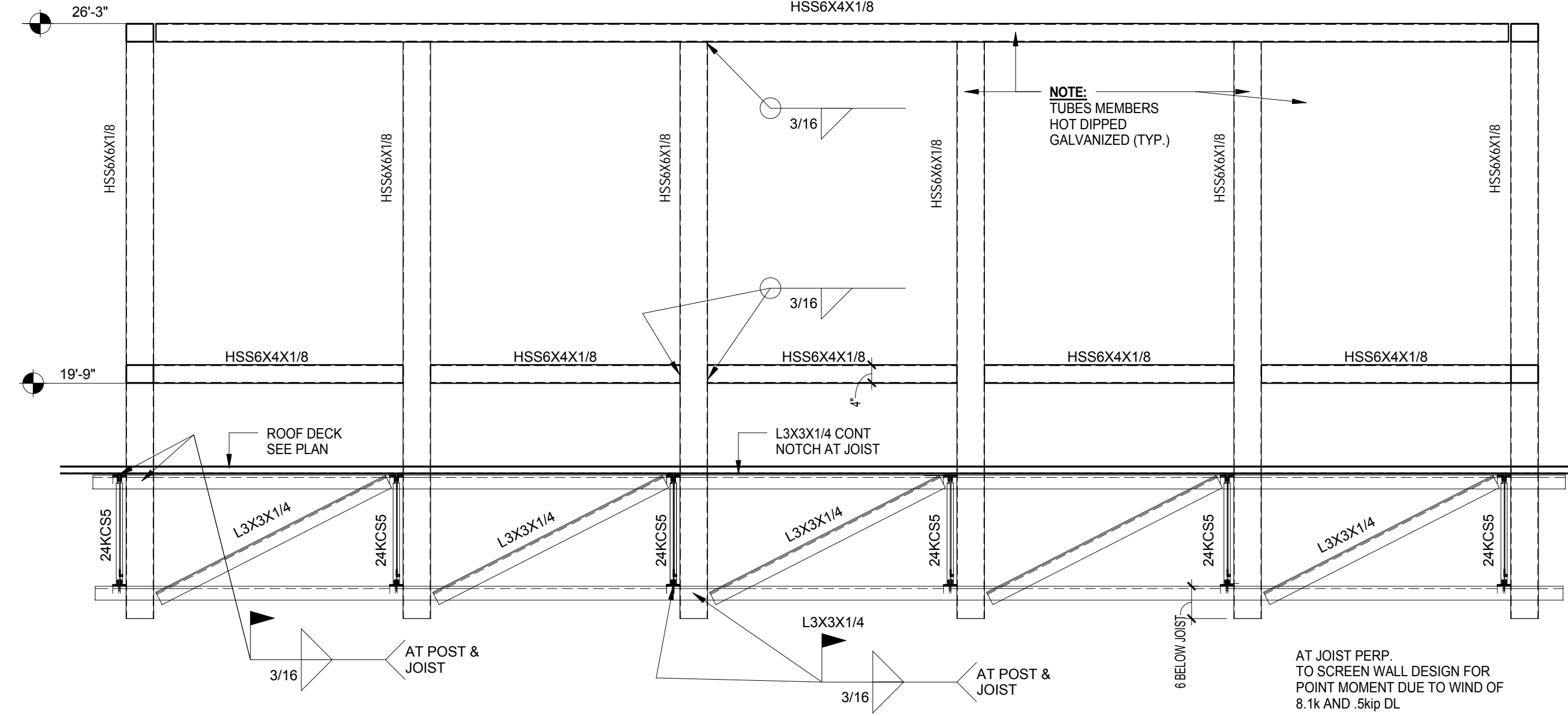
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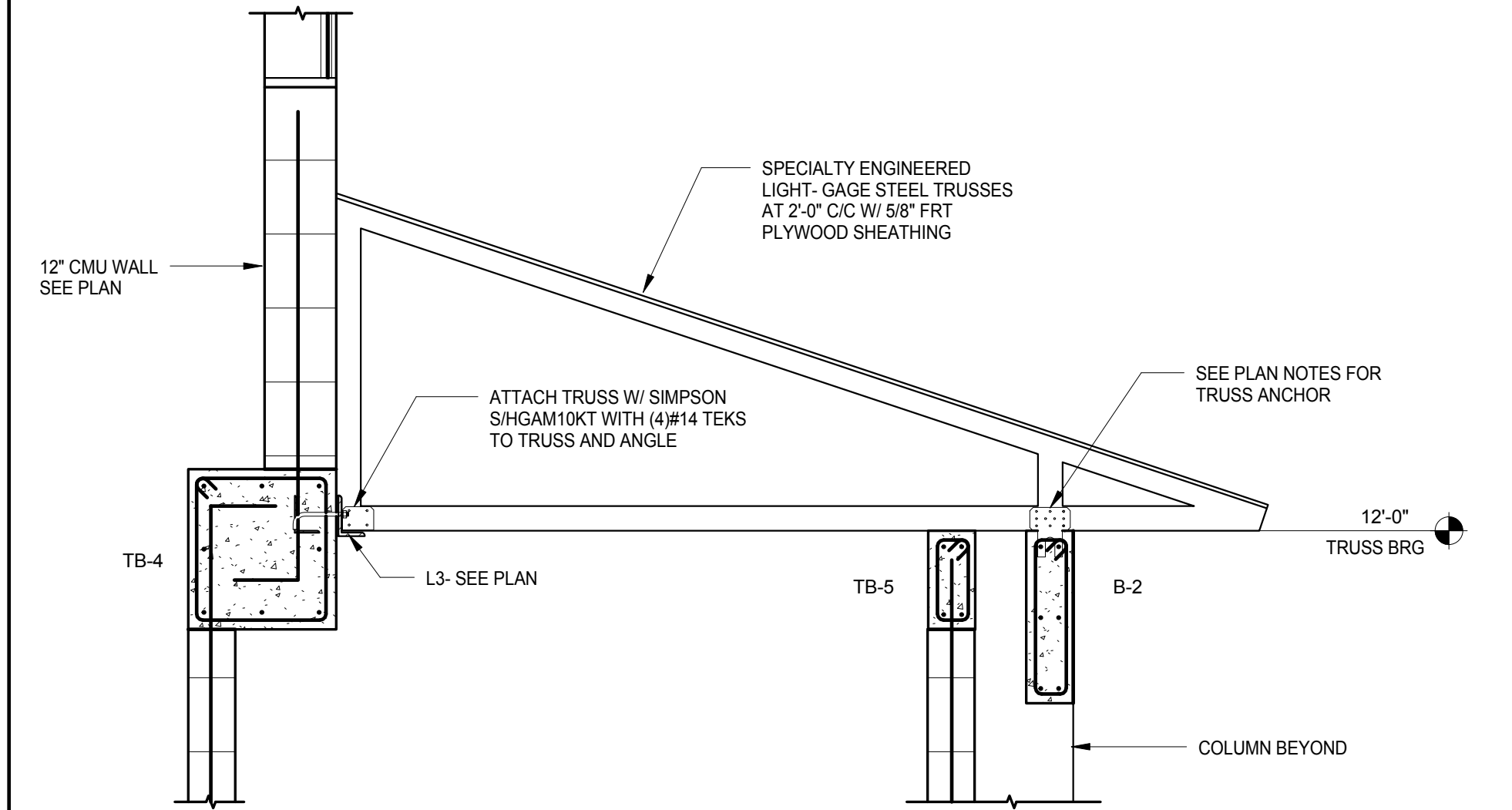
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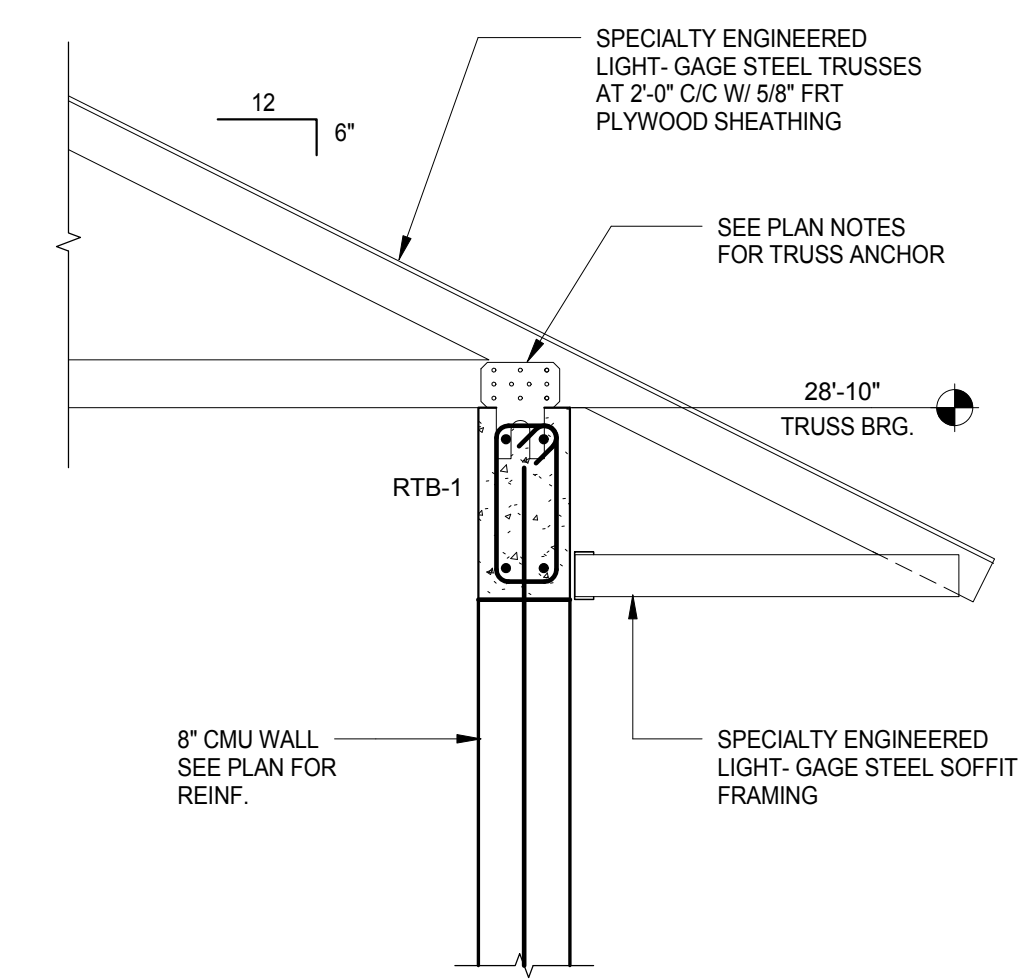
7 SECTION  
S-3.1 1/2" = 1'-0"



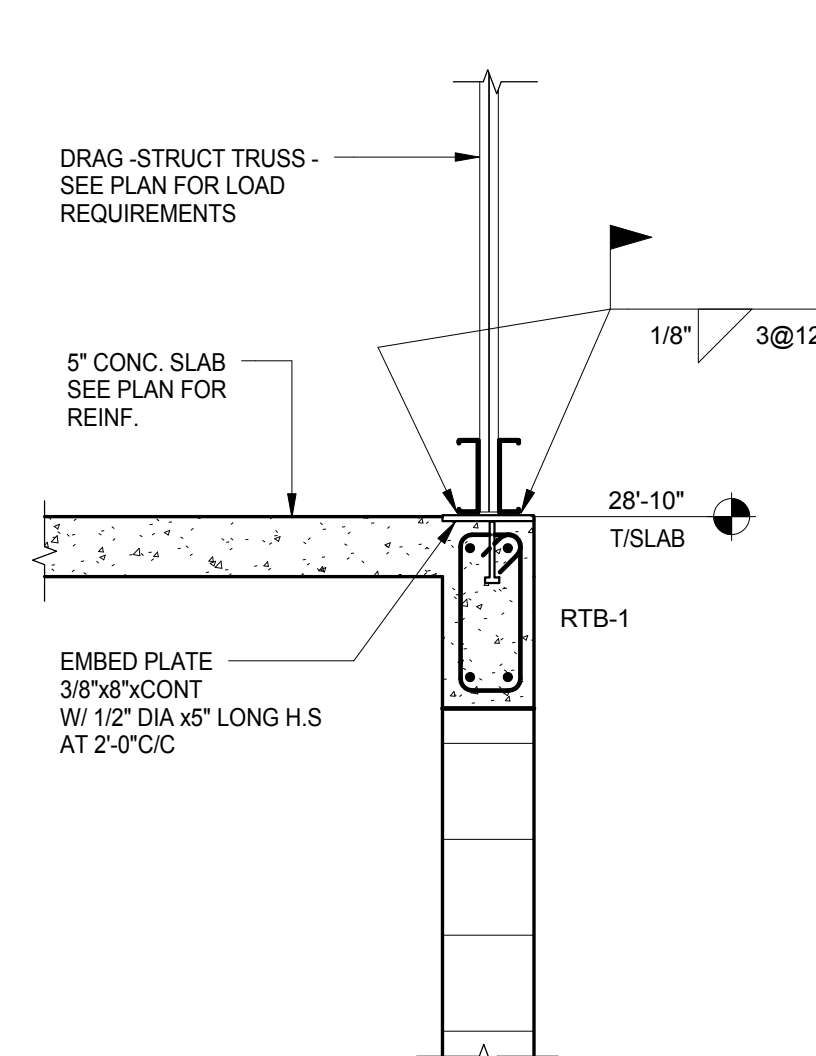
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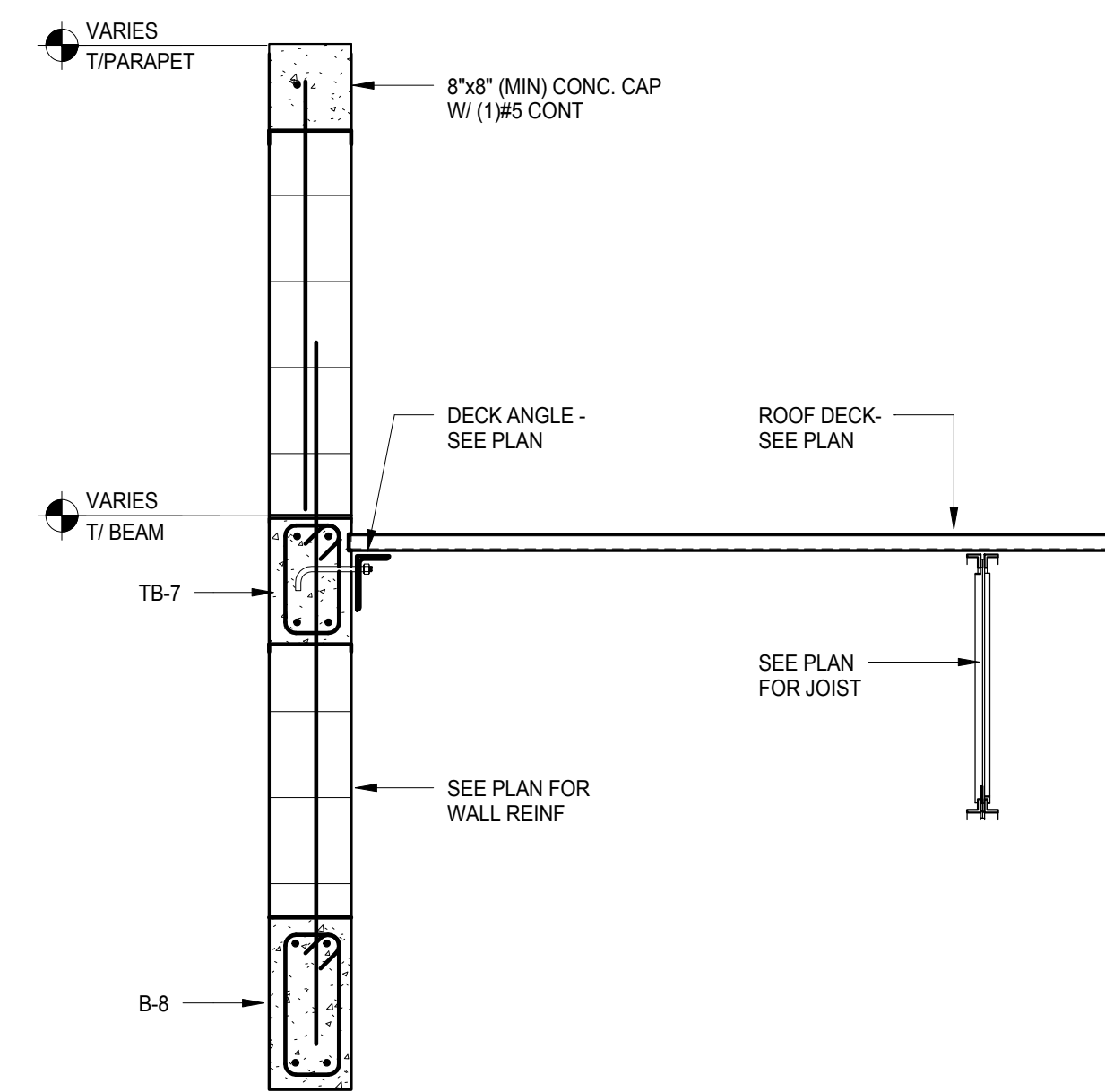
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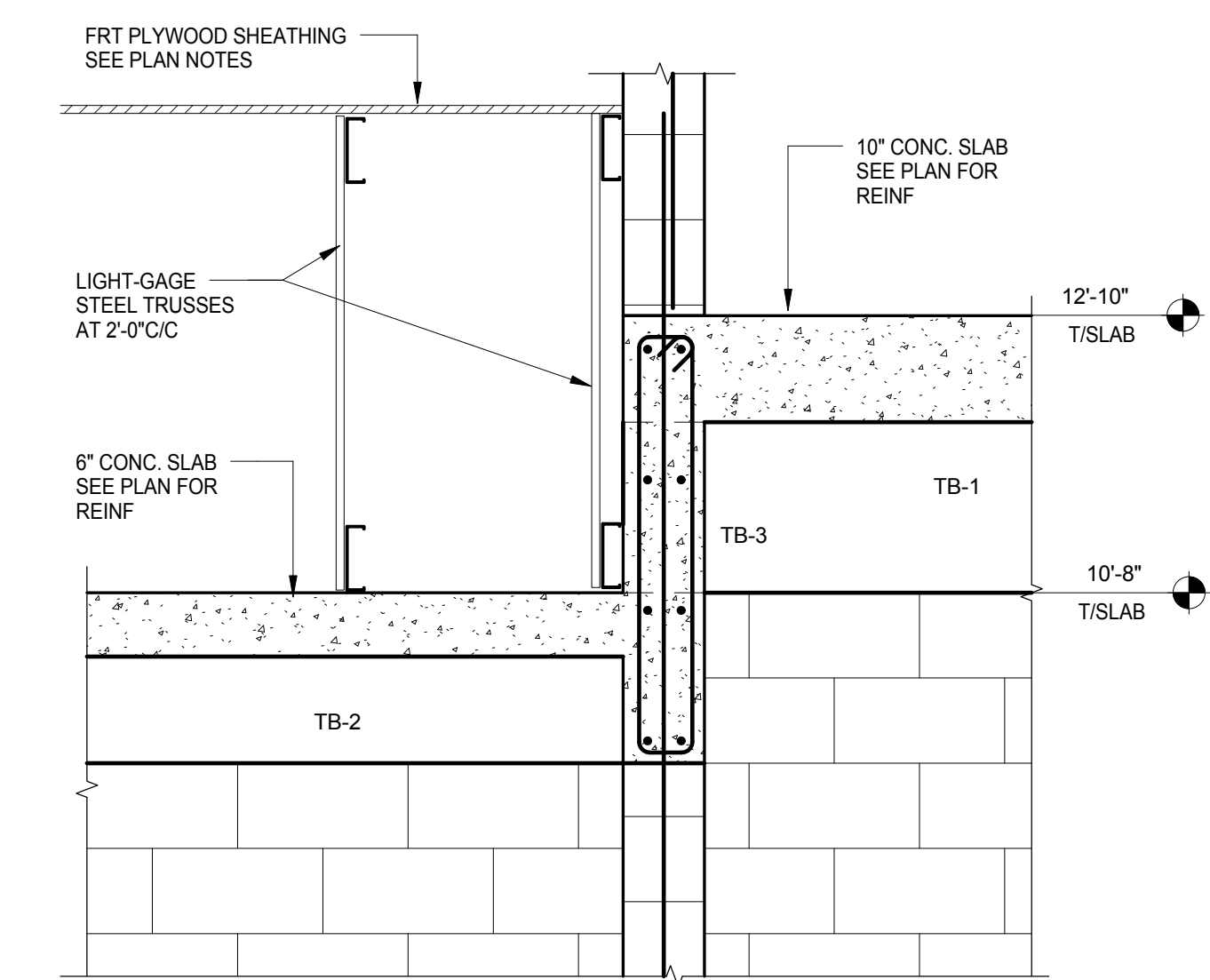
11 SECTION  
S-3.1 3/4" = 1'-0"



10 SECTION  
S-3.1 3/4" = 1'-0"



9 SECTION  
S-3.1 3/4" = 1'-0"



8 SECTION  
S-3.1 3/4" = 1'-0"

NO.	REVISION	DATE
1	Construction Set	11/03/14

CONSULTANT:

COCONUT CREEK FIRE STATION #50

CPZ ARCHITECTS, INC.  
4316 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 922-8225  
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

SECTIONS AND DETAILS

DRAWN: MEL  
CHECKED: JM  
DATE: 06-12-14  
SCALE: As Indicated  
PROJECT NO. 1234A  
SHEET:

**TRC**  
WORLDWIDE ENGINEERING  
CERTIFICATE OF AUTHORIZATION NO. 27322  
3550 NW 56th Street  
FORT LAUDERDALE, FL 33309-2240  
PHONE: (954) 484-7777  
FAX: (954) 484-7834  
©2014 TRC Worldwide Engineering, Inc. All rights reserved.  
www.trcw.com  
TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES. 13FTL035

S-3.1

J:\Projects\Projects\20170017 - Design\13FTL035 - Coconut Creek Fire Station 50\CAD\13FTL035\_FPSD.dwg  
11/20/14 11:20:04 AM





NO.	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:

FIRE STATION 50  
 NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
 4800 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066



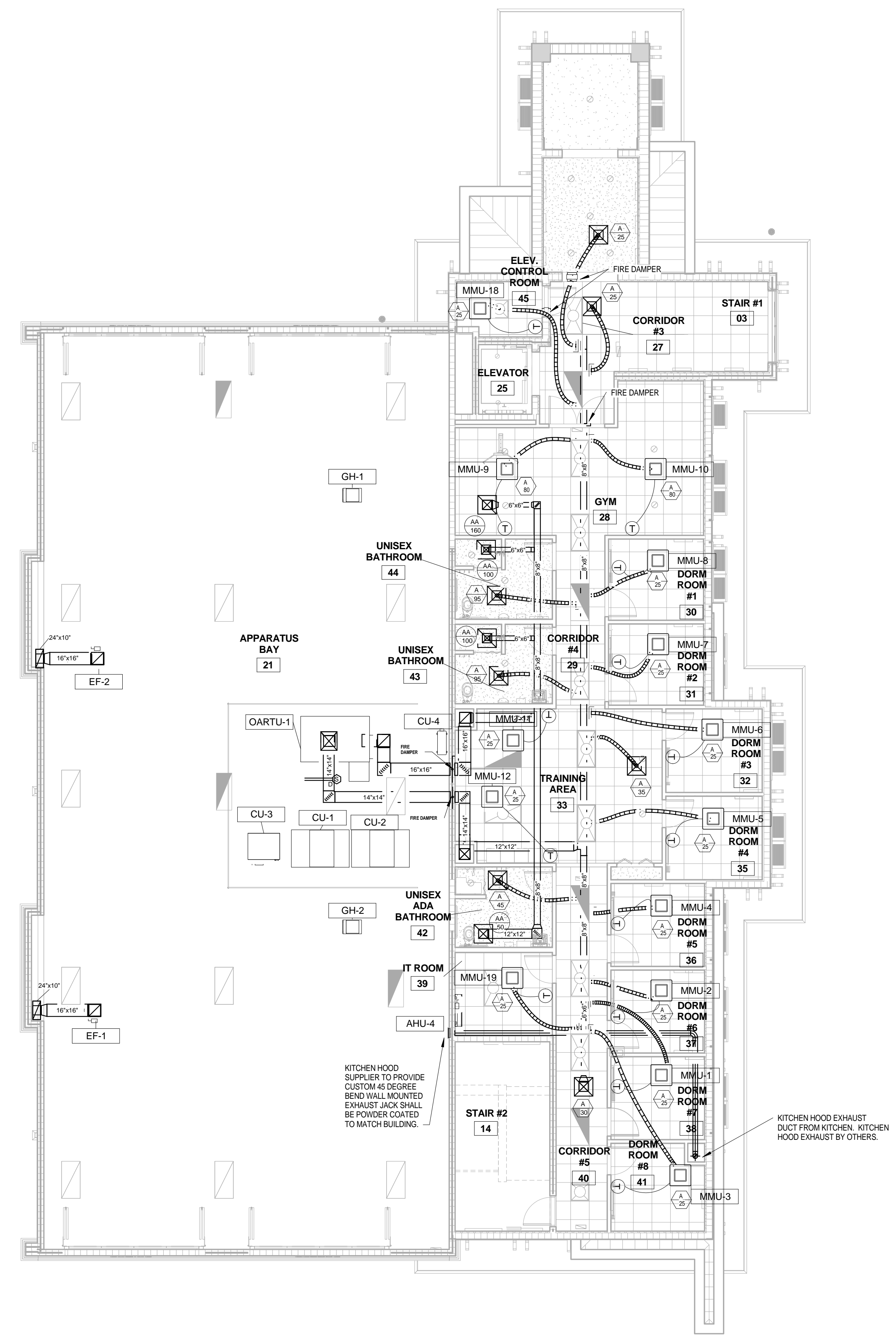
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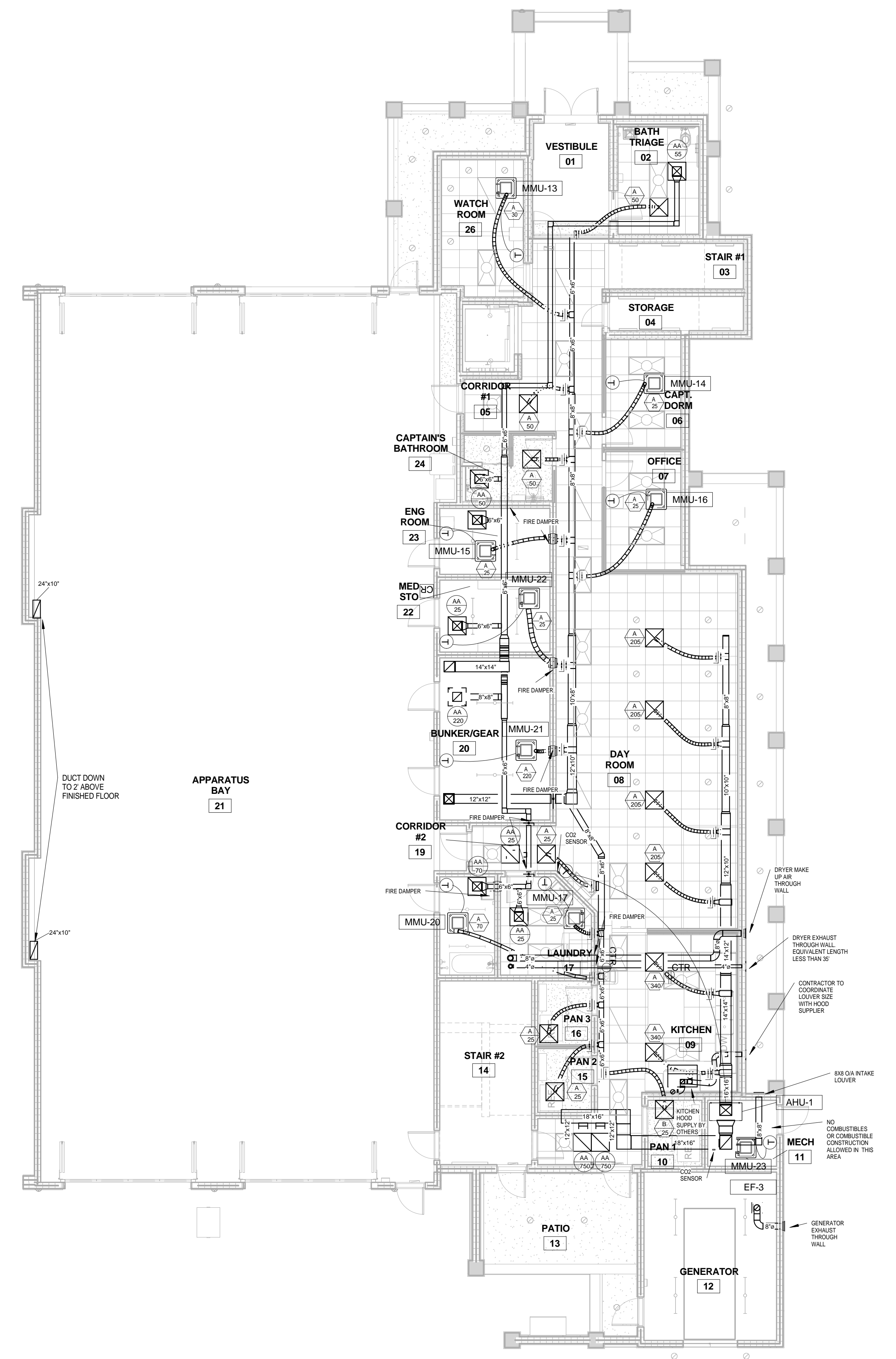
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 CHECKED: \_\_\_\_\_  
 DATE: 12-26-2013  
 SCALE: 1/8" = 1'-0"  
 PROJECT NO. 1220D  
 SHEET:

M-2.1

KAMM CONSULTING PROJECT #: 2013-0931  
 PROJECT MANAGER: JOHN MAYR  
 1408 Orange Avenue  
 Fort Pierce, Florida 34950  
 Phone 772.595.1744 Fax 772.595.1745  
 engineering@kammconsulting.com  
 Certification of Authorization: #8189  
 PRINCIPAL: Brady L. Brown Florida License #88232  
 DATE: 9-24-14  
 SIGNED: \_\_\_\_\_



**2 2ND FLOOR MECHANICAL PLAN**  
 M-2.1 SCALE: 1/8" = 1'-0"



**1 1ST FLOOR MECHANICAL PLAN**  
 M-2.1 SCALE: 1/8" = 1'-0"

MECH GENERAL NOTES	
1	A PERFORMANCE TEST SHALL BE CONDUCTED UPON COMPLETION AND BEFORE FINAL APPROVAL OF THE INSTALLATION OF A VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES PER FMC.507.16.
2	CONTRACTOR SHALL VERIFY AND CAPTURE A CONTAINMENT PERFORMANCE OF EXHAUST SYSTEM PER FMC 507.161.

NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:

FIRE STATION 50

NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

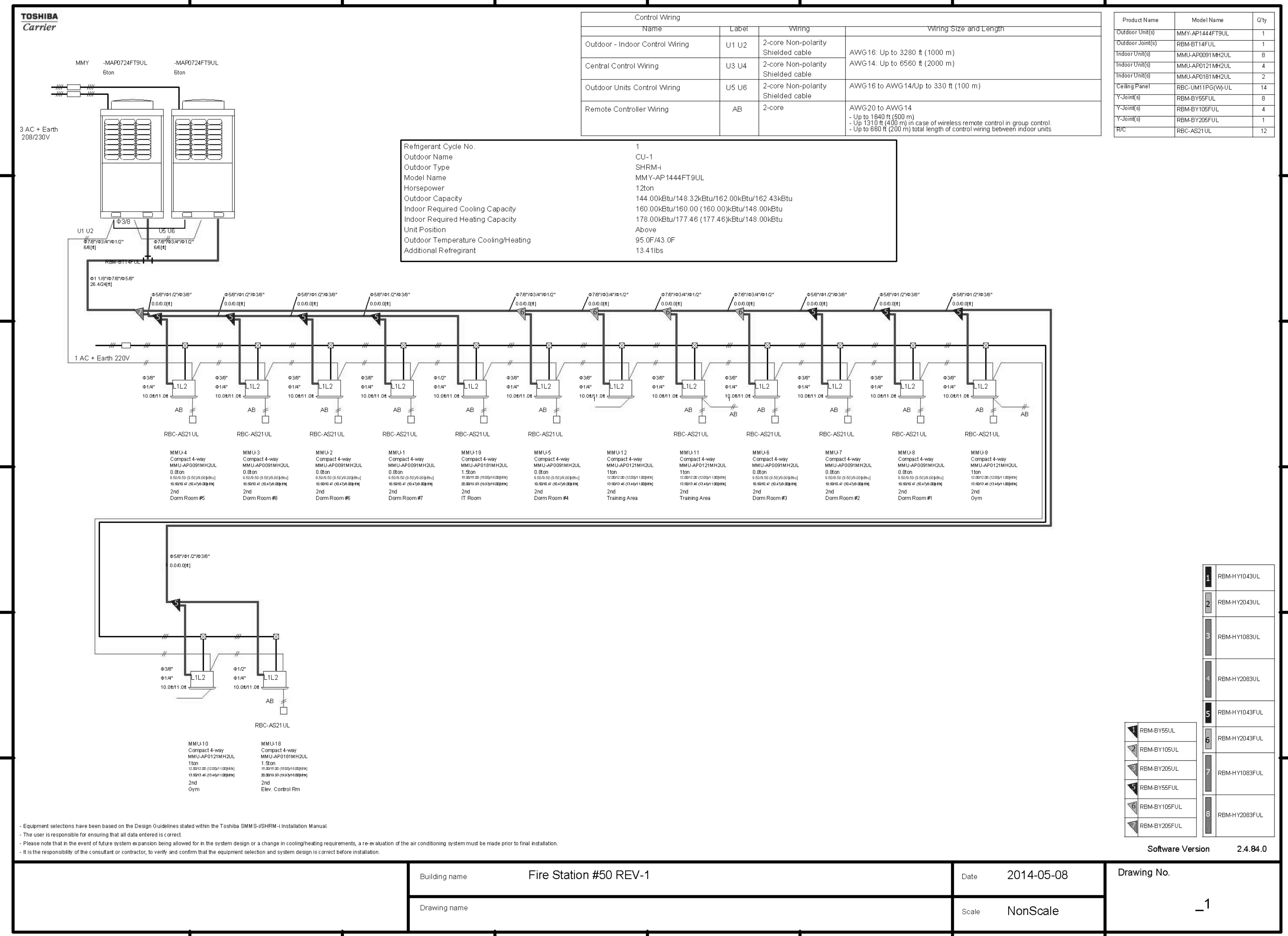


DRAWING TITLE:

REFRIGERANT PIPING

DRAWN: Author  
 CHECKED: Checker  
 DATE: 12-26-2013  
 SCALE: 12" = 1'-0"  
 PROJECT NO. 12200  
 SHEET:

M-2.2



- Equipment selections have been based on the Design Guidelines stated within the Toshiba SMM S-iSHRM-I Installation Manual.  
 - The user is responsible for ensuring that all data entered is correct.  
 - Please note that in the event of future system expansion being allowed for in the system design or a change in cooling/heating requirements, a re-evaluation of the air conditioning system must be made prior to final installation.  
 - It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.

Building name	Fire Station #50 REV-1	Date	2014-05-08	Drawing No.	_1
Drawing name		Scale	NonScale		

1	RBM-H Y1043UL
2	RBM-H Y2043UL
3	RBM-H Y1083UL
4	RBM-H Y2083UL
5	RBM-H Y1043FUL
6	RBM-H Y2043FUL
7	RBM-H Y1083FUL
8	RBM-H Y2083FUL

1	RBM-BY55UL
2	RBM-BY105UL
3	RBM-BY205UL
4	RBM-BY55FUL
5	RBM-BY105FUL
6	RBM-BY205FUL

Software Version 2.4.84.0

1 REFRIGERANT PIPING  
 SCALE: 12" = 1'-0"

KAMM CONSULTING PROJECT #: 2013-0931  
 PROJECT MANAGER: JOHN MAYR

**KAMM** CONSULTING

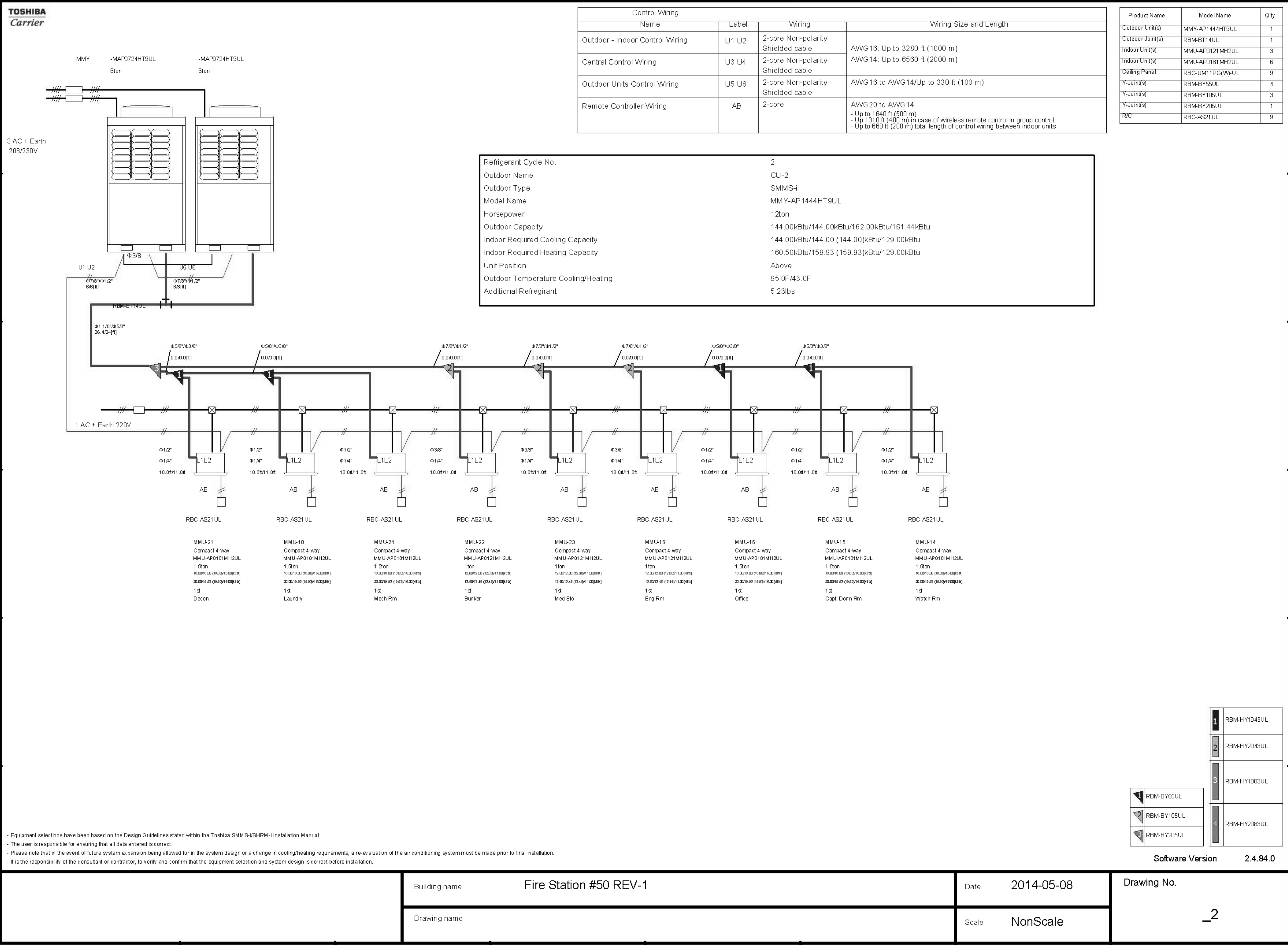
1408 Orange Avenue  
 Fort Pierce, Florida 34950  
 Phone 772.595.1744 Fax 772.595.1745  
 engineering@kammconsulting.com  
 Certification of Authorization: #8189

PRINCIPAL  
 Brady L. Brown  
 Florida License #58232

9-24-14  
 date  
 signed

NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:



FIRE STATION 50  
NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

- Equipment selections have been based on the Design Guidelines stated within the Toshiba SMM S-iSHRM-I Installation Manual  
 - The user is responsible for ensuring that all data entered is correct  
 - Please note that in the event of future system expansion being allowed for in the system design or a change in cooling/heating requirements, a re-evaluation of the air conditioning system must be made prior to final installation.  
 - It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.

1	RBM-HY1043UL
2	RBM-HY2043UL
3	RBM-HY1083UL
4	RBM-HY2083UL
5	RBM-BY55UL
6	RBM-BY105UL
7	RBM-BY205UL

Software Version 2.4.84.0

Building name	Fire Station #50 REV-1	Date	2014-05-08	Drawing No.	_2
Drawing name		Scale	NonScale		

1 REFRIGERANT PIPING CONTINUED  
SCALE: 1/2" = 1'-0"

KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

**KAMM** CONSULTING  
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Fort Pierce, Florida 34950  
Phone 772.595.1744 Fax 772.595.1745  
engineering@kammconsulting.com  
Certification of Authorization: #8189

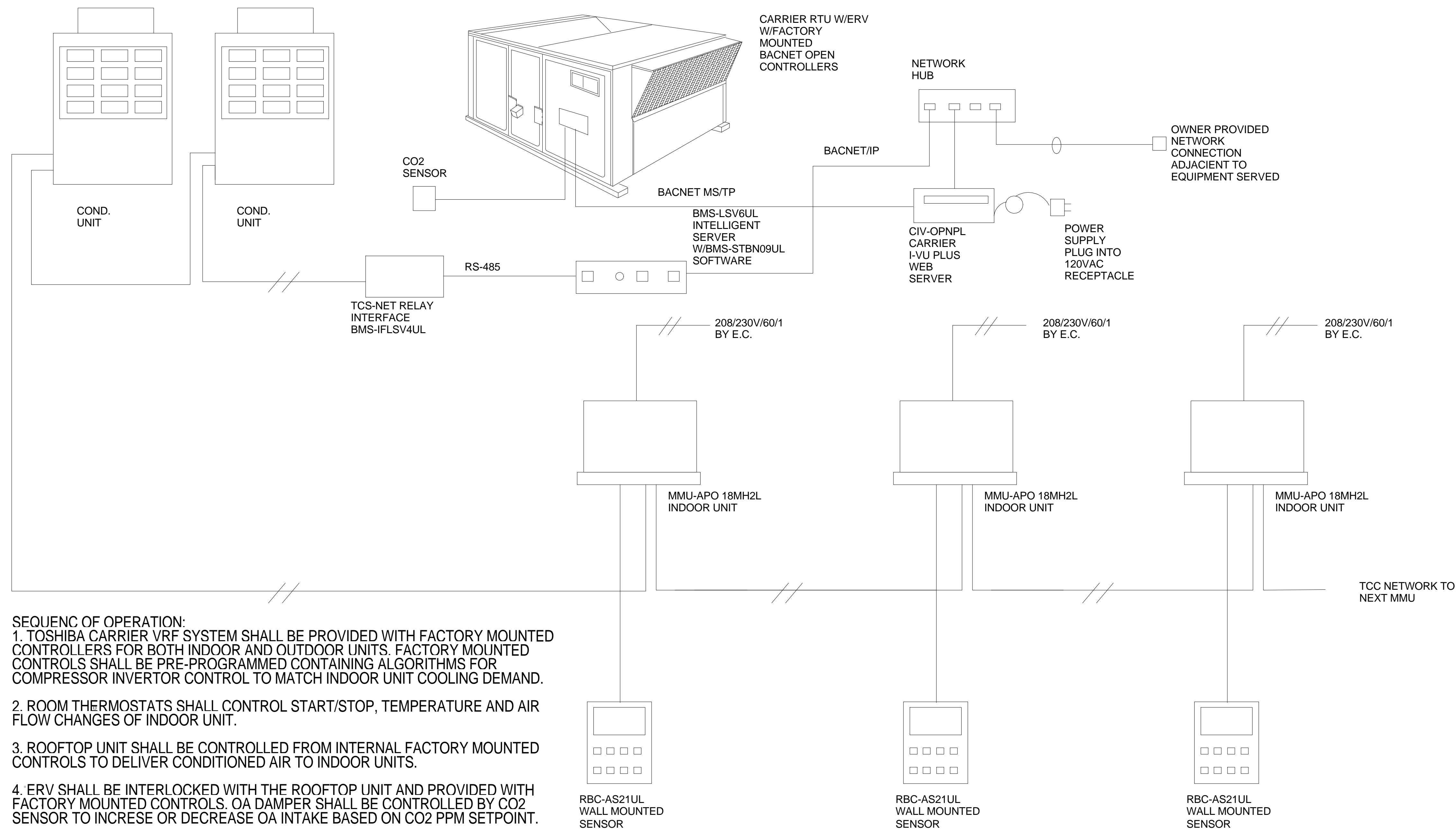
PRINCIPAL  
Brady L. Brown  
Florida License #58232

9-24-14  
date  
signed

DRAWN: Author  
CHECKED: Checker  
DATE: 12-26-2013  
SCALE: 1/2" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

M-2.3

NO.	REVISION	DATE
1	Cons. Iss. Set	11/3/14



- SEQUENC OF OPERATION:**
1. TOSHIBA CARRIER VRF SYSTEM SHALL BE PROVIDED WITH FACTORY MOUNTED CONTROLLERS FOR BOTH INDOOR AND OUTDOOR UNITS. FACTORY MOUNTED CONTROLS SHALL BE PRE-PROGRAMMED CONTAINING ALGORITHMS FOR COMPRESSOR INVERTOR CONTROL TO MATCH INDOOR UNIT COOLING DEMAND.
  2. ROOM THERMOSTATS SHALL CONTROL START/STOP, TEMPERATURE AND AIR FLOW CHANGES OF INDOOR UNIT.
  3. ROOFTOP UNIT SHALL BE CONTROLLED FROM INTERNAL FACTORY MOUNTED CONTROLS TO DELIVER CONDITIONED AIR TO INDOOR UNITS.
  4. ERV SHALL BE INTERLOCKED WITH THE ROOFTOP UNIT AND PROVIDED WITH FACTORY MOUNTED CONTROLS. OA DAMPER SHALL BE CONTROLLED BY CO2 SENSOR TO INCREASE OR DECREASE OA INTAKE BASED ON CO2 PPM SETPOINT.
  5. SYSTEM CONTROLS SHALL BE ACCESSED THRU CARRIER i-VU WEB SERVER VIA ANY PC WORKSTATION WITH INTERNET CONNECTIVITY. SETPOINTS, SCHEDULES, AND ALARMS SHALL BE MONITORED AND CONTROLLED.

# TOSHIBA CARRIER VRF SYSTEM CONTROL

**CONTROL MODEL**  
SCALE: 12" = 1'-0"

**CPZ ARCHITECTS, INC.**  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

**FIRE STATION 50**  
NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA



DRAWING TITLE:  
**CONTROL MODULE**

DRAWN: Author  
CHECKED: Checker  
DATE: 12-26-2013  
SCALE: 12" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

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Fort Pierce, Florida 34950  
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engineering@kammsconsulting.com  
Certification of Authorization: #8189

PRINCIPAL: Brady L. Brown  
Florida License #58232  
date: 9-24-14  
signed:

### AIR CONDITIONING SPLIT SYSTEM EQUIPMENT SCHEDULE

Table with columns for CU TAG, MANUFACTURER & MODEL, NOMINAL TONNAGE, CAP. STAGES, (S)EER/IPLV, REFRIG./LBS, LIQ./SUCTION, NO. FANS, FAN FLA(EA), NO. COMP., COMP. RLA(EA), VOLTAGE/PH, MCA/MOCP, WEIGHT (LBS), L x W x H (IN), and NOTES.

Table with columns for AHU TAG, MANUFACTURER & MODEL, TOTAL MBH HEATING MBH, TOTAL CFM O/A CFM, E.S.P.(W.G.), ENT. DB/WB, LEAV. DB/WB, ROWS/FPI, FAN HP/FLA, HEATER KW, VOLTAGE/PH, MCA/MOCP, WEIGHT (LBS), L x W x H (IN), and NOTES.

- NOTES: 1. UNITS RATED PER ARI 210, 240 AND 270. 2. PROVIDE WITH ELECTRIC EXPANSION VALVES, LIQUID LINE FILTER DRYER AND MULTI-USE SERVICE VALVES.

### FAN SCHEDULE

Table with columns for TAG, SERVICE AREA, MANUF. (\*), MODEL, CONFIG., CFM, ESP ("WG), SONES, HP, RPM, DRIVE, VOLTAGE, WEIGHT (LBS), DIMENSIONS L"xW"xH", OPENING L"xW", CONTROL, ACCESSORIES.

(\* ) APPROVED EQUAL MANUFACTURER: COOK, TWIN-CITY, ACME, PENN

#### ACCESSORIES NOTES:

- 1. PROVIDE GRILLE COLOR PER ARCH. SPECS. 2. PROVIDE BACK DRAFT DAMPER. 3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND INTEGRAL THERMAL OVERLOAD PROTECTION.

#### GENERAL FAN NOTES:

- a. MOTOR STARTERS, DISCONNECTS (IF NOT FACTORY PROVIDED) AND ALL EQUIPMENT NORMAL POWER AND EMERGENCY POWER WIRING BY ELEC. CONTRACTOR.

### ENERGY RECOVERY UNIT SCHEDULE

Table with columns for SELECTION DATA, SUPPLY FAN DATA, EXHAUST FAN DATA, WHEEL DATA, GEN. DATA, and UNIT TAG.

(\* ) EQUIVALENT MANUFACTURER: MUNTERS, CARGOCAIRE, SEMCO, GREENHECK, VENMAR

#### NOTES AND ACCESSORIES:

- 1. PROVIDE PREFAB. FACTORY ROOF CURB, INTAKE & EXHAUST HOODS WITH BIRD SCREENS, CONTROL CABINET WITH ALL MOTOR STARTERS.

#### GENERAL NOTES:

MOTOR STARTERS, FUSED DISCONNECTS (IF NOT FACTORY PROVIDED) AND ALL EQUIPMENT POWER WIRING BY ELEC. CONTRACTOR.

### SUPPLY AIR GRILLE SCHEDULE

Table with columns for TAG, MANUF. & MODEL, FACE SIZE, NECK SIZE, MATERIAL, FRAME, FINISH, DAMPER, THROW, NC, CFM RANGE, and NOTES.

(\* ) EQUIVALENT MANUFACTURER: METALAIR, PRICE, CARNES, T & B, NAILOR

#### GENERAL NOTES:

- 1. PROVIDE SPIN-IN COLLAR AT TRUNK TO FLEX DUCT CONNECTION. 2. PROVIDE TYPICAL 4-WAY DIFFUSION, 2-WAY OR 3-WAY ONLY WHERE INDICATED ON PLAN.

#### FLEX SCHEDULE

Table with columns for Face Size (6", 8", 10", 12", 14", 16") and CFM Range (50-125 CFM to 605-700 CFM).

CONTRACTOR SHALL VERIFY WITH ARCHITECT AND TENANT/OWNER, PRIOR TO ANY PURCHASING OR INSTALLATION.

### RETURN AIR GRILLE SCHEDULE

Table with columns for TAG, MANUF. & MODEL, FACE SIZE, NECK SIZE, MATERIAL, FRAME, FINISH, DAMPER, THROW, NC, CFM RANGE, and NOTES.

(\* ) EQUIVALENT MANUFACTURER: METALAIR, PRICE, CARNES, T & B, NAILOR

#### GENERAL NOTES:

- 1. REFER TO ARCHITECT PLANS FOR CEILING TYPE. 2. FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.

CONTRACTOR SHALL VERIFY WITH ARCHITECT AND TENANT OR OWNER, PRIOR TO ANY PURCHASING OR INSTALLATION.

Table with columns for Neck Size (6x6, 8x8, 10x10, 12x12) and CFM Range (0-150 CFM to 0-2000 CFM).

### OUTSIDE AIR CALCULATIONS

(PER TABLE 6-1, ASHRAE 62.1-2004)

Large table with columns for Area Served or Unit Tag, Net Occupiable Area, Area Outdoor Air Rate, Total No. of People, People Outdoor Air Rate, Default Values, Total No. of People from Default Values, Combined Outdoor Air Rate, Total CFM O/A Required, Total CFM O/A Provided, and Notes.

- NOTES: 1. CALCULATIONS ARE BASED ON ESTIMATED MAX. OCCUPANCY RATES PER ARCHITECTURAL PLANS AND ASHRAE 62.1-2004.

### GRAVITY INTAKE HOOD SCHEDULE

Table with columns for TAG, MANUF. & MODEL, THROAT SIZE (IN x IN), WEIGHT (LBS), CFM, STATIC P.D. (IN.W.G.), DIMENSIONS (LxWxH), and NOTES.

(\* ) APPROVED EQUAL MANUFACTURER: PENN, COOK, ACME

#### GENERAL NOTES:

- 1. PROVIDE BIRD & INSECT SCREEN. 3. PROVIDE BAROMETRIC RELIEF DAMPER

### EXHAUST AIR CALCULATIONS

Table with columns for Area Served, Unit Tag, Height (FT), Total Area SQ.FT., Exhaust Airflow Rate CFM/SQ.FT., Total CFM Exh. Req., Total CFM Exh. Provided.

#### NOTES:

- 1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FLORIDA BUILDING CODE 2004 (TABLE 403.3) AND ASHRAE 62.1.

### AIR BALANCE SCHEDULE

Table with columns for Area Served, Equipment Tag, Supply Air (CFM), Return Air (CFM), Outside Air (CFM), Make-up Air (CFM), Exhaust Air (CFM), Transfer Air (CFM).

#### NOTES:

- 1. BUILDING IS 3654-1380-2274 CFM POSITIVE WHEN ALL EXHAUST FANS OPERATING AT SAME TIME.

### 100% O/A ROOFTOP EQUIPMENT SCHEDULE

Table with columns for A/C Unit Tag, Area Served, Manufacturer/Model, SEER/EER, Ref./LBS, Operating Weight, Dimensions, Unit Airflow Design, System Control, Air System Type, Filter Type/Eff., Nominal Tonnage, Total Cooling Cap., Total Sensible Cap., E.A.T. D.B./W.B. (F) (COIL), L.A.T. D.B./W.B. (F) (COIL), L.A.T. D.B./W.B. (F) (UNIT), Supply Air CFM, Outside Air CFM, Supply Fan E.S.P. (IN. W.G.), Coil Rows/FPF, Heater Type/Steps, Heater K.W. @ Voltage, Supply Air CFM, Heater Ent./Leav. Temp. (F), Voltage, FLA/MCA/MOCP, No. of Compressors/RLA, No. of Cond. Fans/FLA, Supply Fan Motor H.P./FLA, Notes.

#### NOTES:

- 1. UNITS SHALL BE "ARI" RATED. APPROVED EQUIVALENT: AAOB, CARRIER, LENOX, McQUAY, TRANE.

#### COORDINATION NOTE:

MECHANICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS AND ACCESSORIES WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING AND INSTALLATION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF ENGINEER.

## MECHANICAL SCHEDULES

Scale: 12" = 1'-0"

KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAIR



1408 Orange Avenue Fort Pierce, Florida 34950 Phone: 772.595.1744 Fax: 772.595.1745 engineering@kammconsulting.com Certification of Authorization #8189

PRINCIPAL: Braddy L. Brown Florida License #8232 date: 9-24-14 signed: [Signature]

Revision table with columns for No., Revision, Date. Shows Revision 1 on 11/3/14.

CONSULTANT:

FIRE STATION 50

NW 45-AVE & COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4800 COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:

MECHANICAL SCHEDULE

DRAWN: Author

CHECKED: Checker

DATE: 12-26-2013

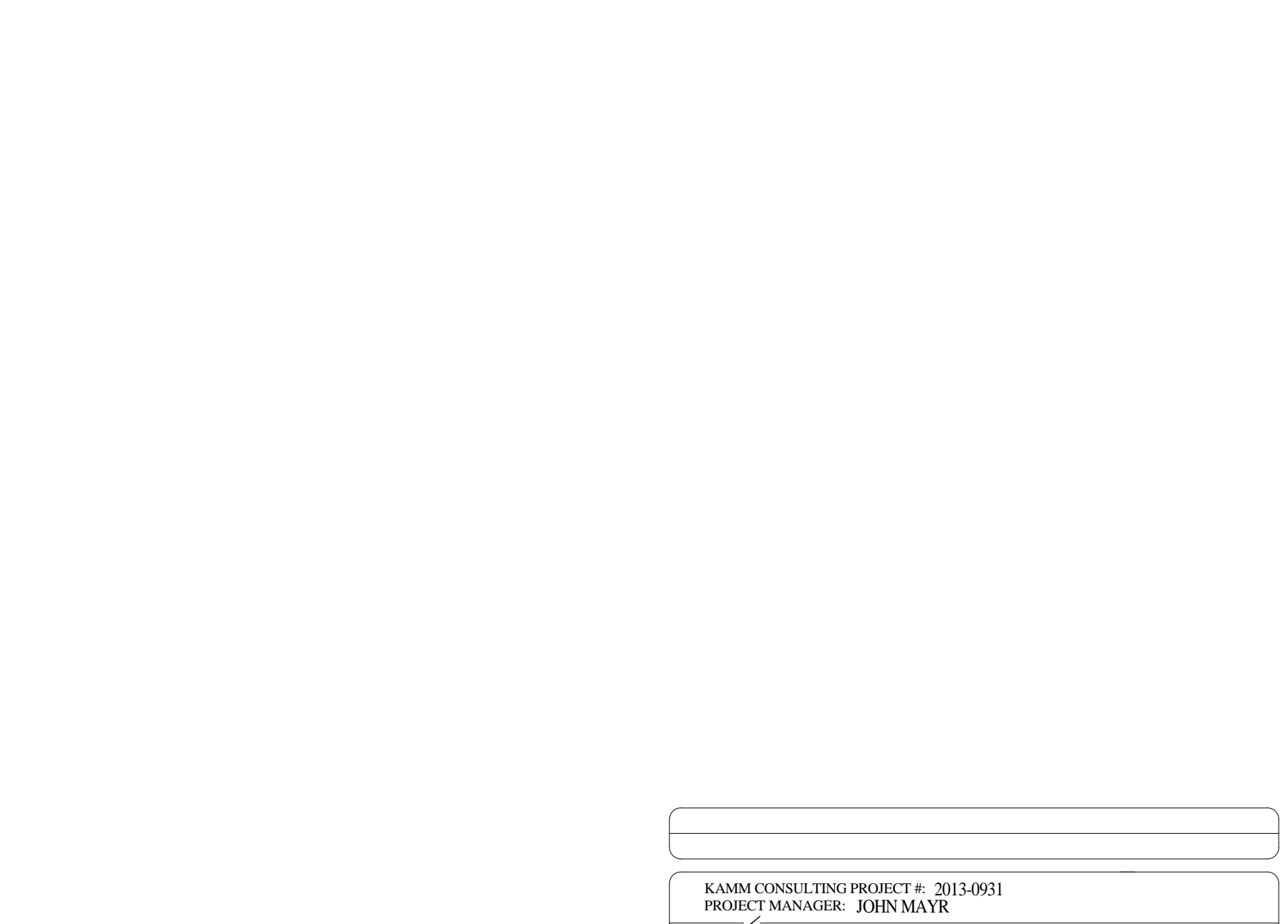
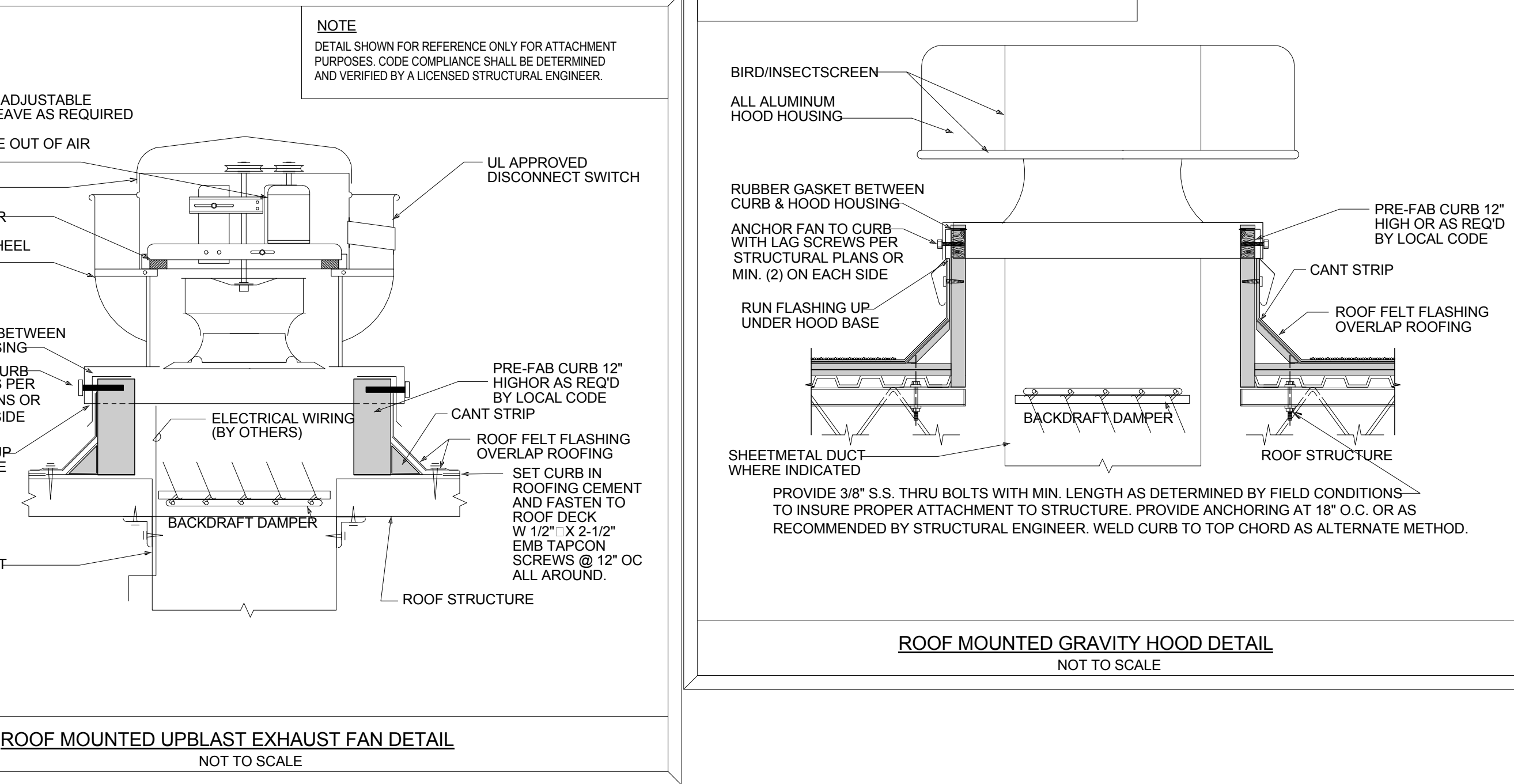
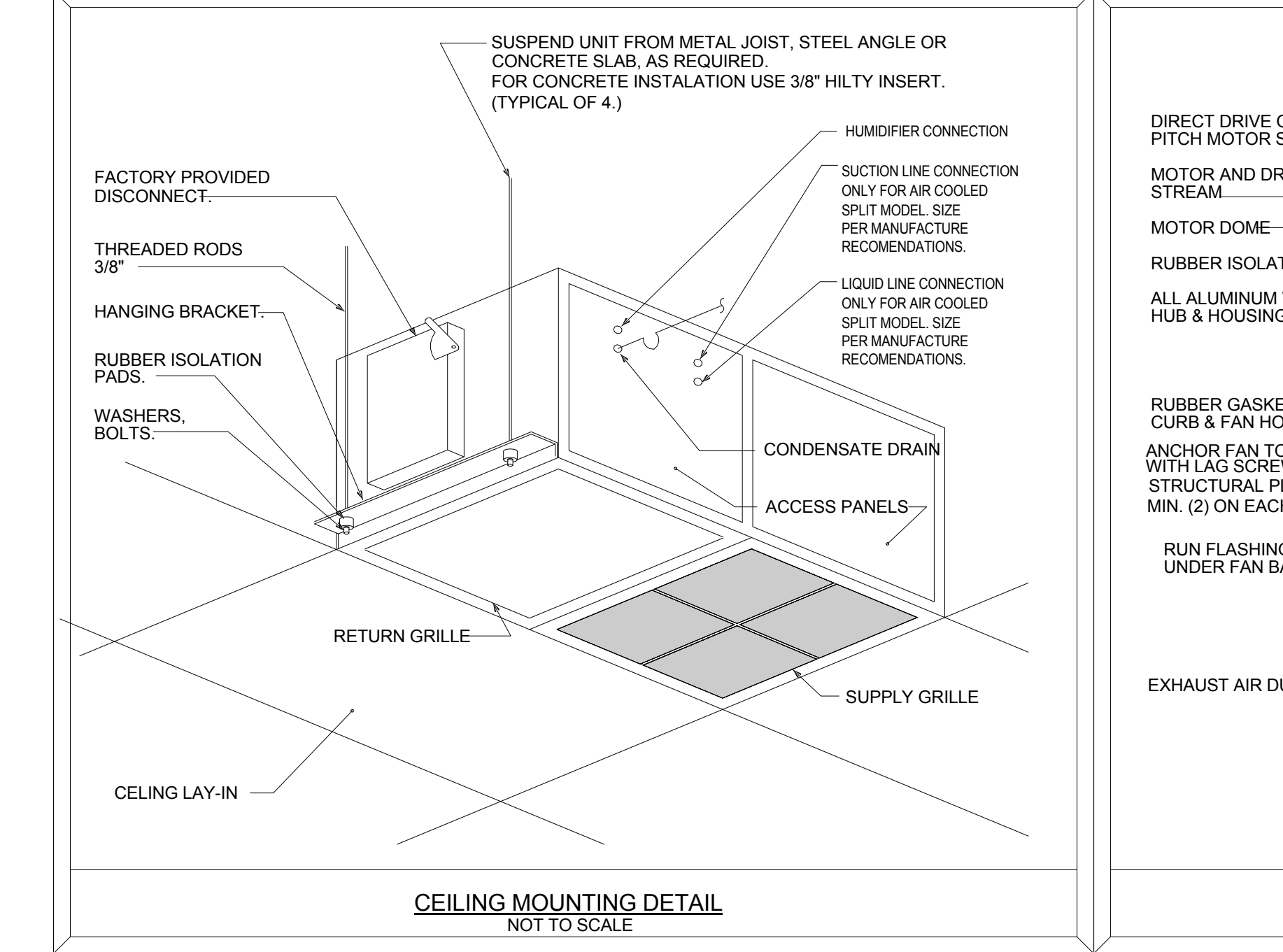
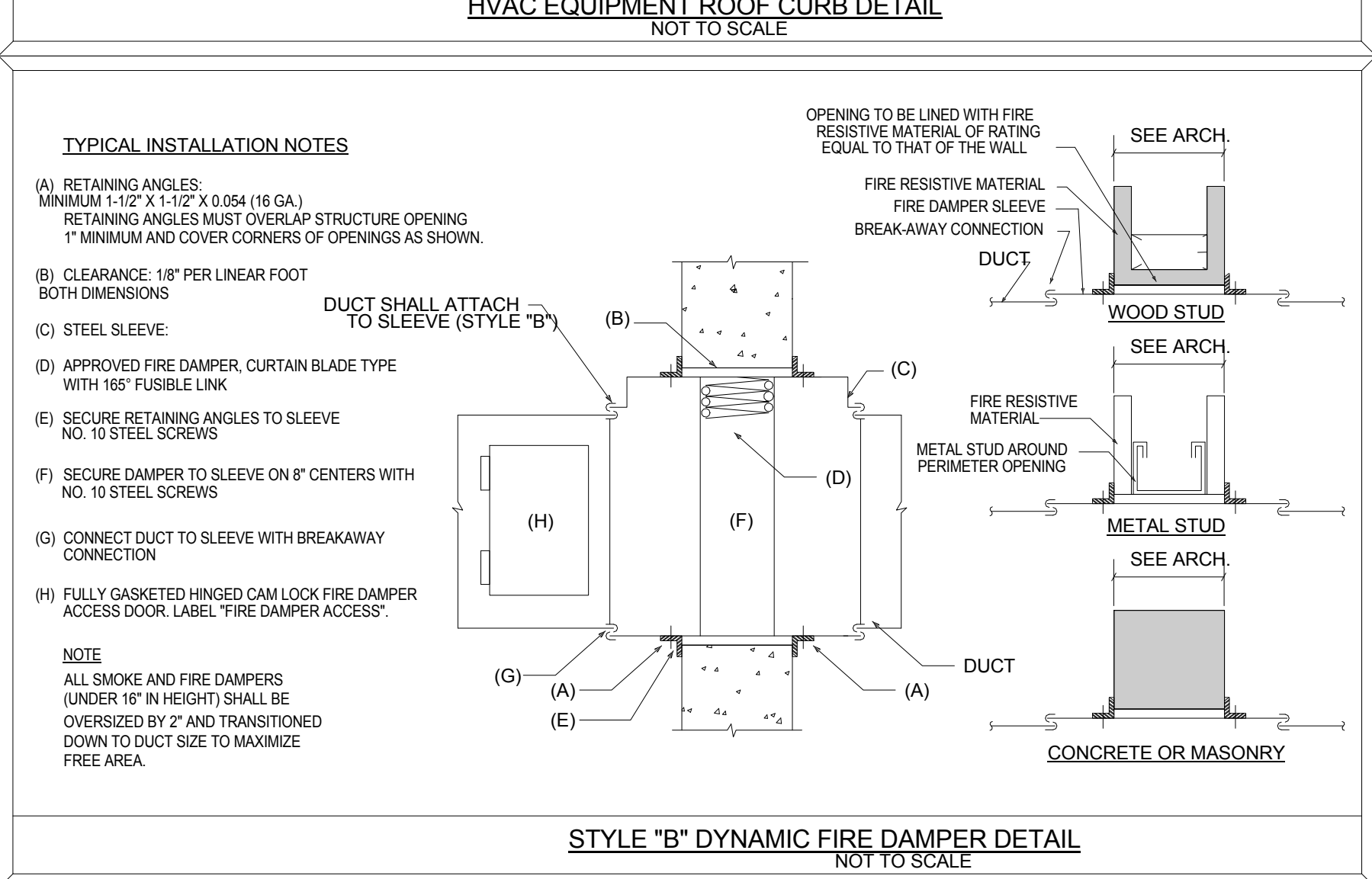
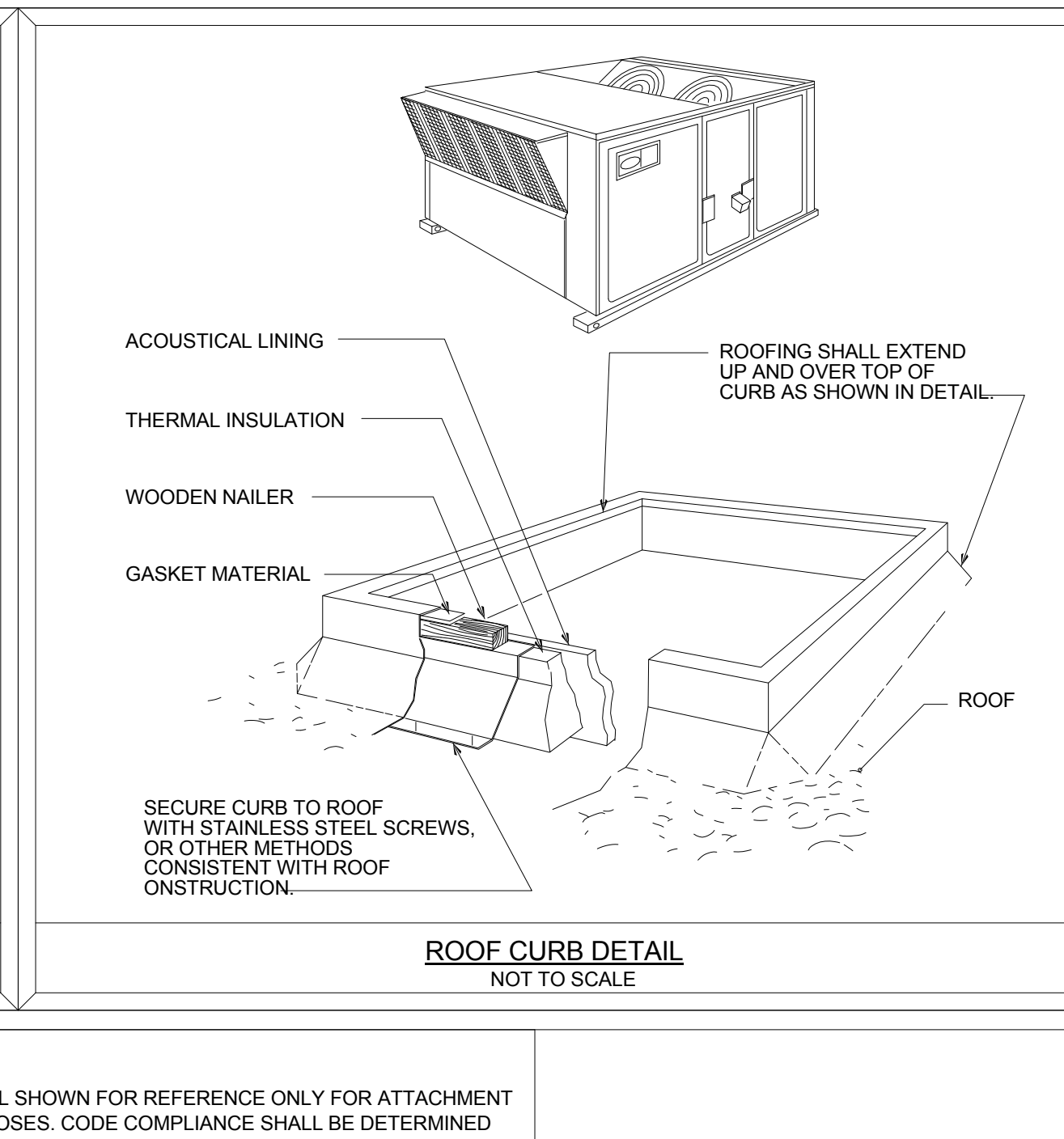
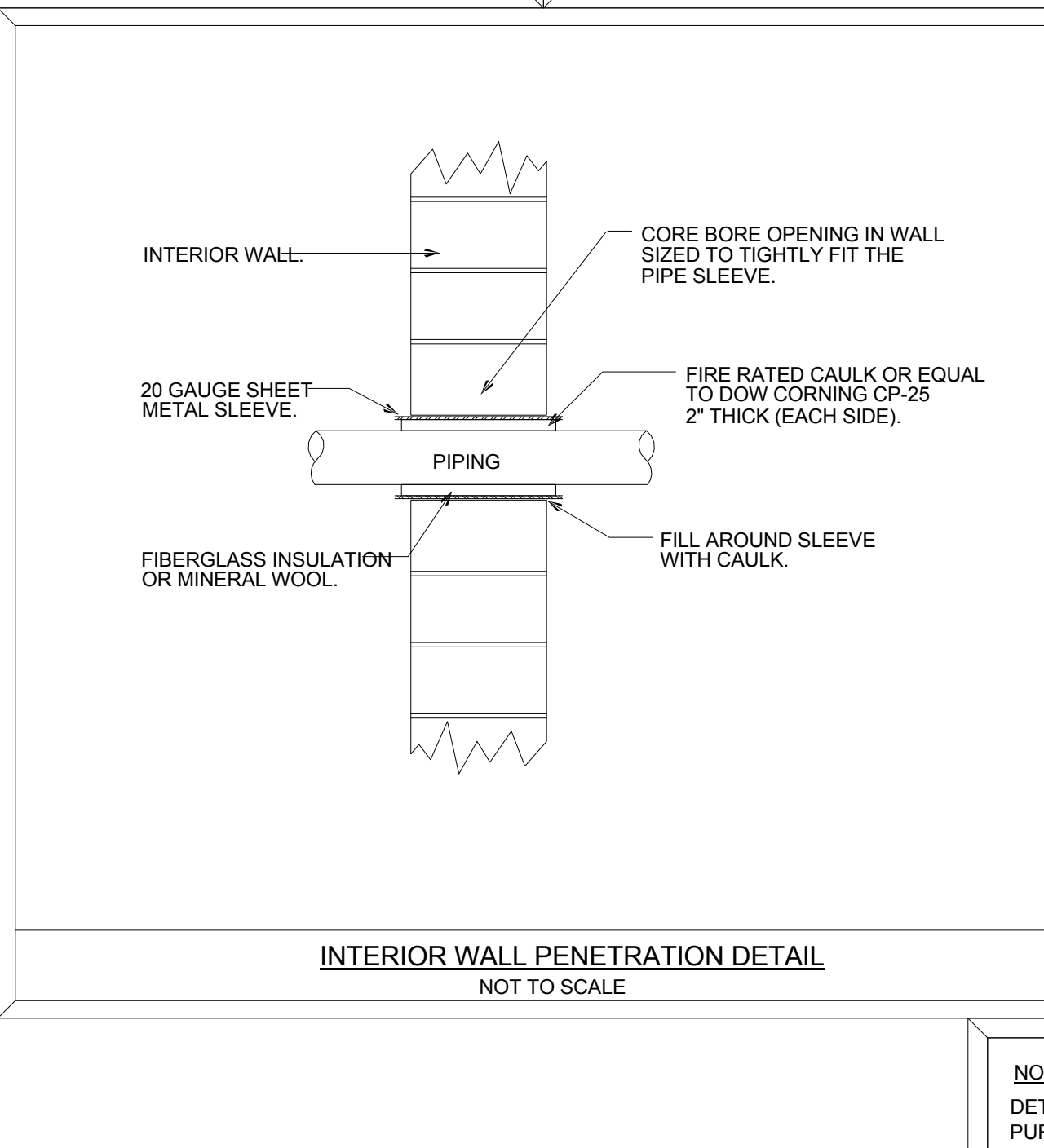
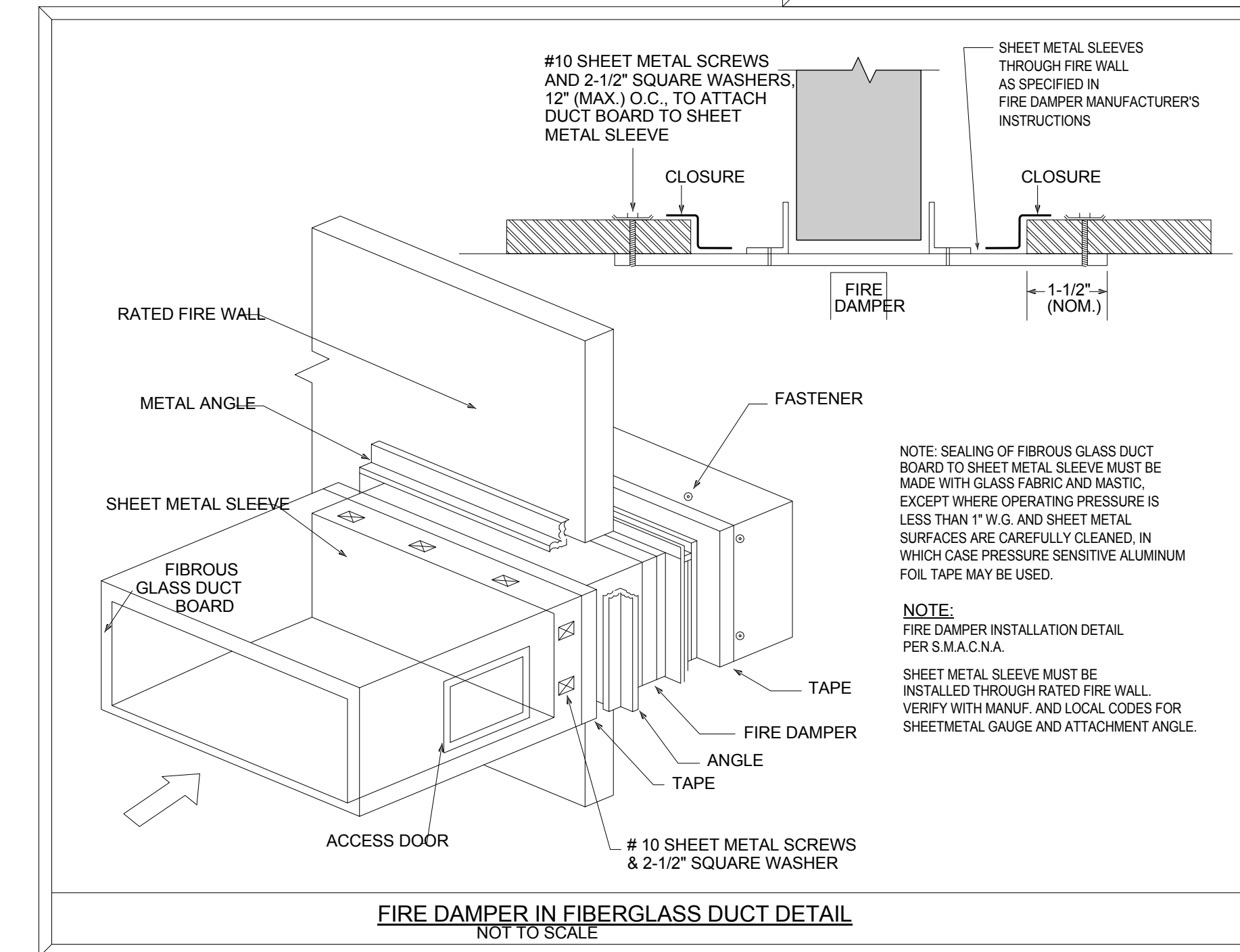
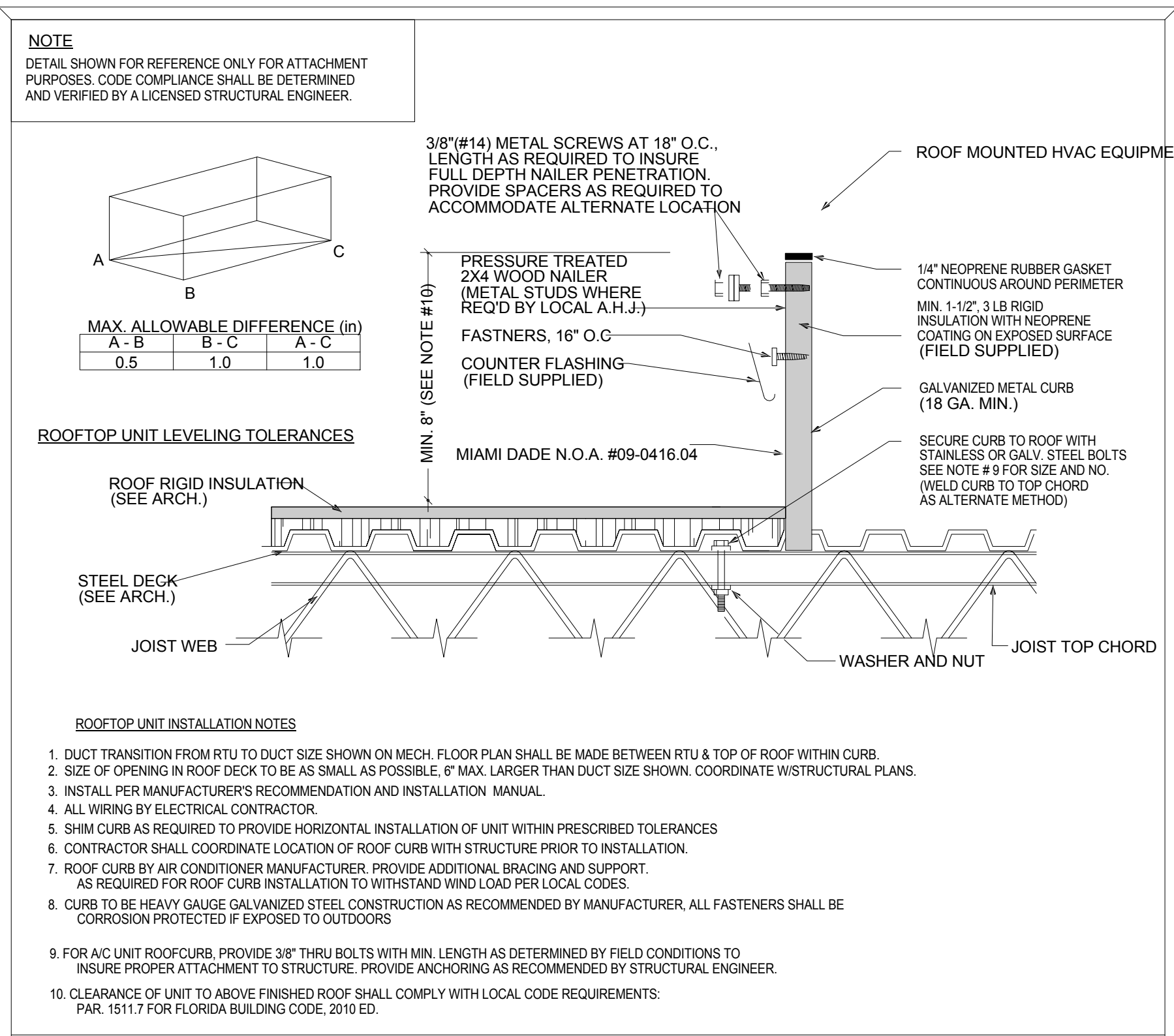
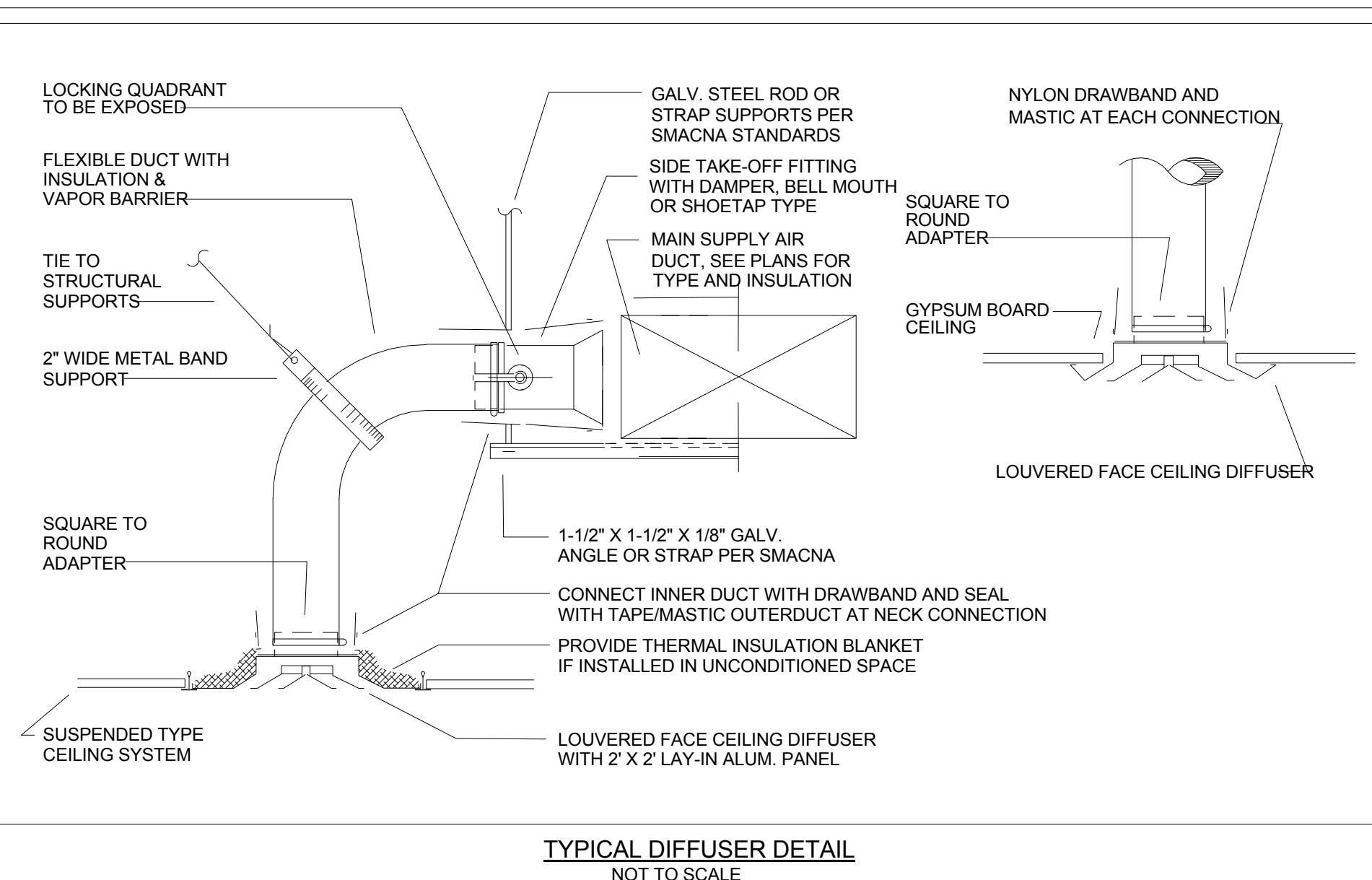
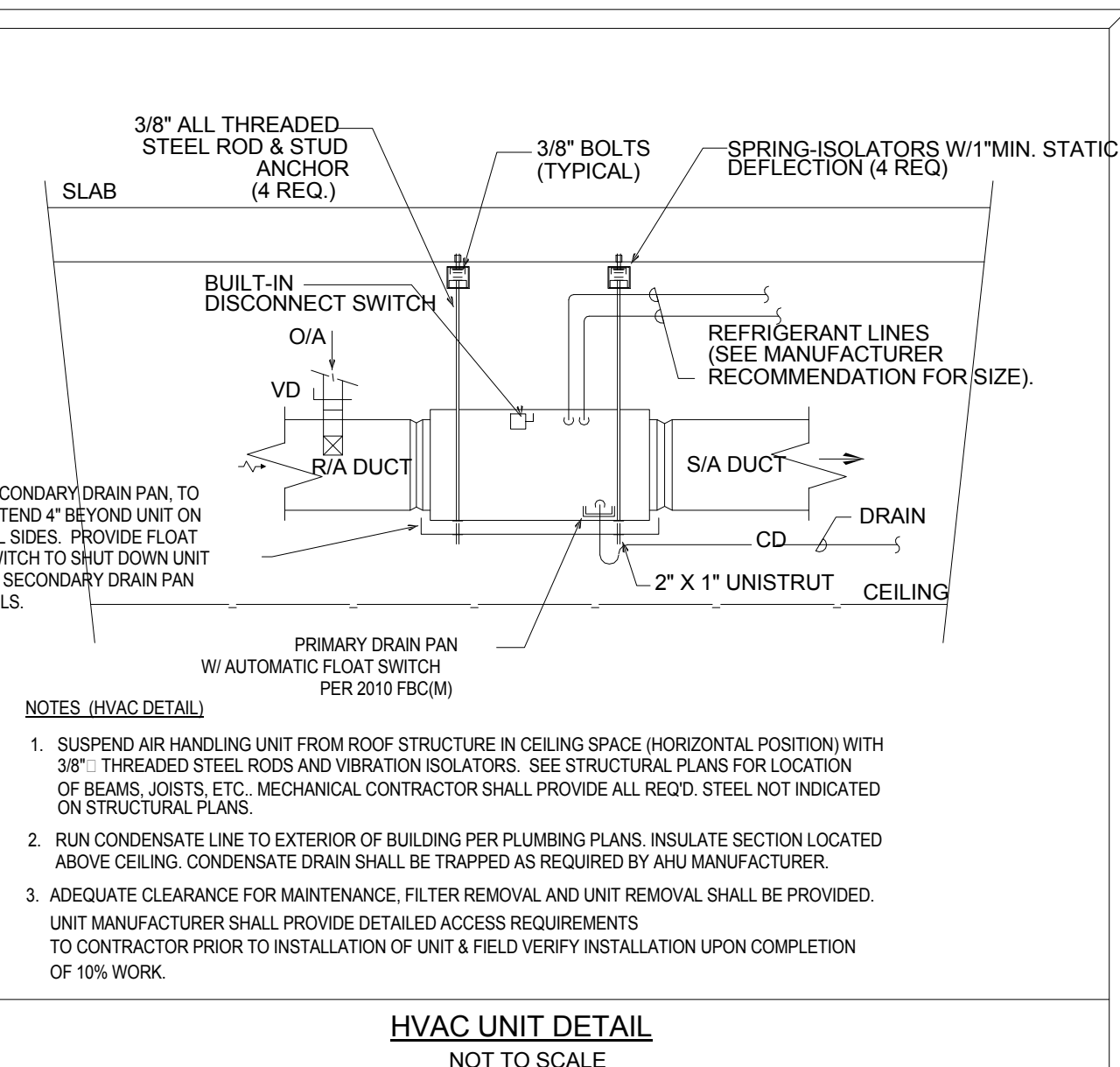
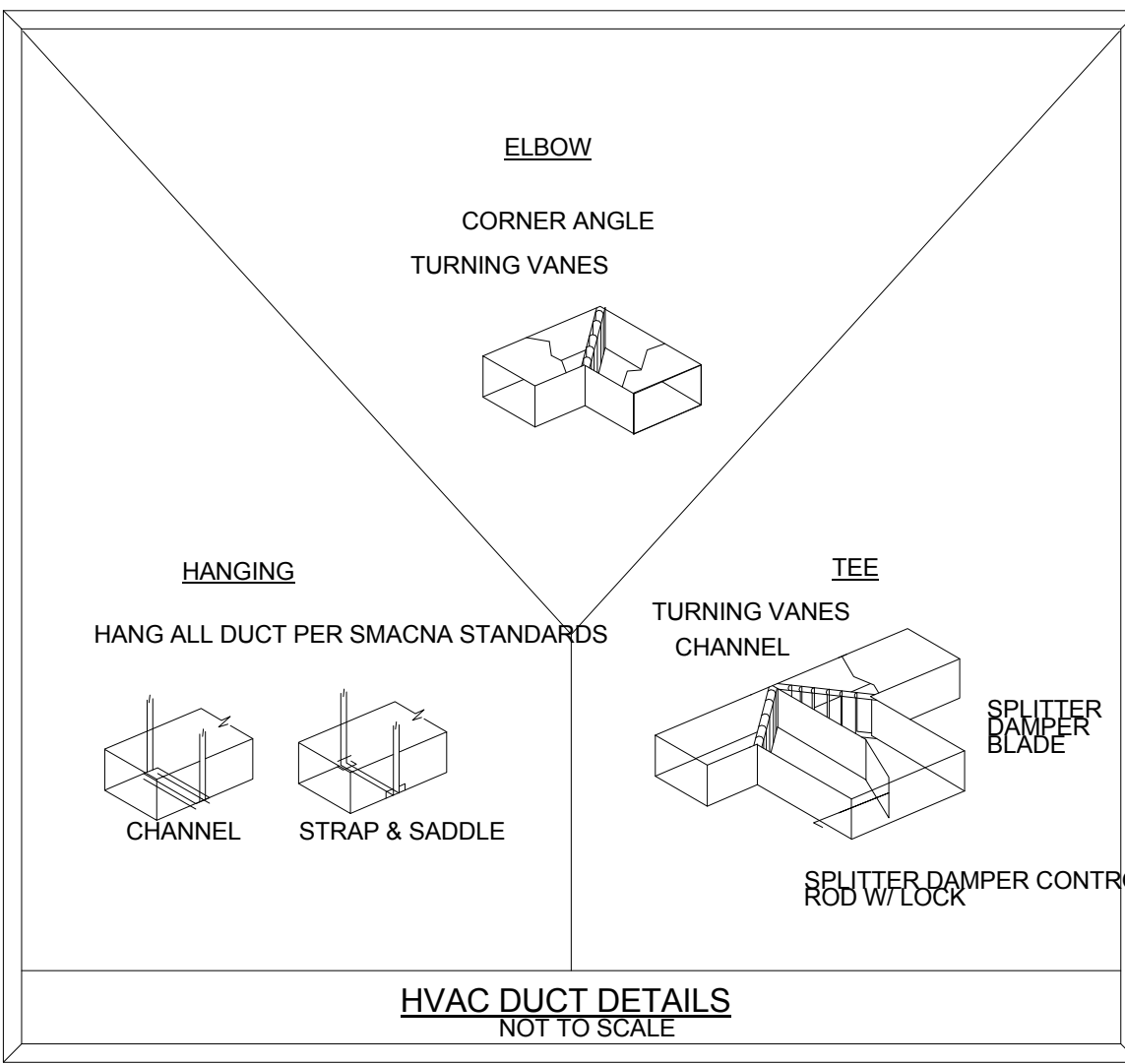
SCALE: 12" = 1'-0"

PROJECT NO: 1220D

SHEET:

# M-6.1





**MECHANICAL DETAILS**

SCALE: 12" = 1'-0"

NO.	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT: \_\_\_\_\_

**CPZ ARCHITECTS, INC.**  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

**FIRE STATION 50**  
NW 45-AVE & COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA

DRAWING TITLE:

MECHANICAL DETAILS

DRAWN: Author  
CHECKED: Checker  
DATE: 12-26-2013  
SCALE: 12" = 1'-0"  
PROJECT NO. 12200  
SHEET:

KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

**KAMM**  
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engineering@kammconsulting.com  
Certification of Authorization: #8189

PRINCIPAL  
Bradly L. Brown  
Florida License #58232

9-24-14  
date

signed \_\_\_\_\_

**M-7.1**



NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:

FIRE STATION 50

NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:

Lighting Plan

DRAWN:

CHECKED:

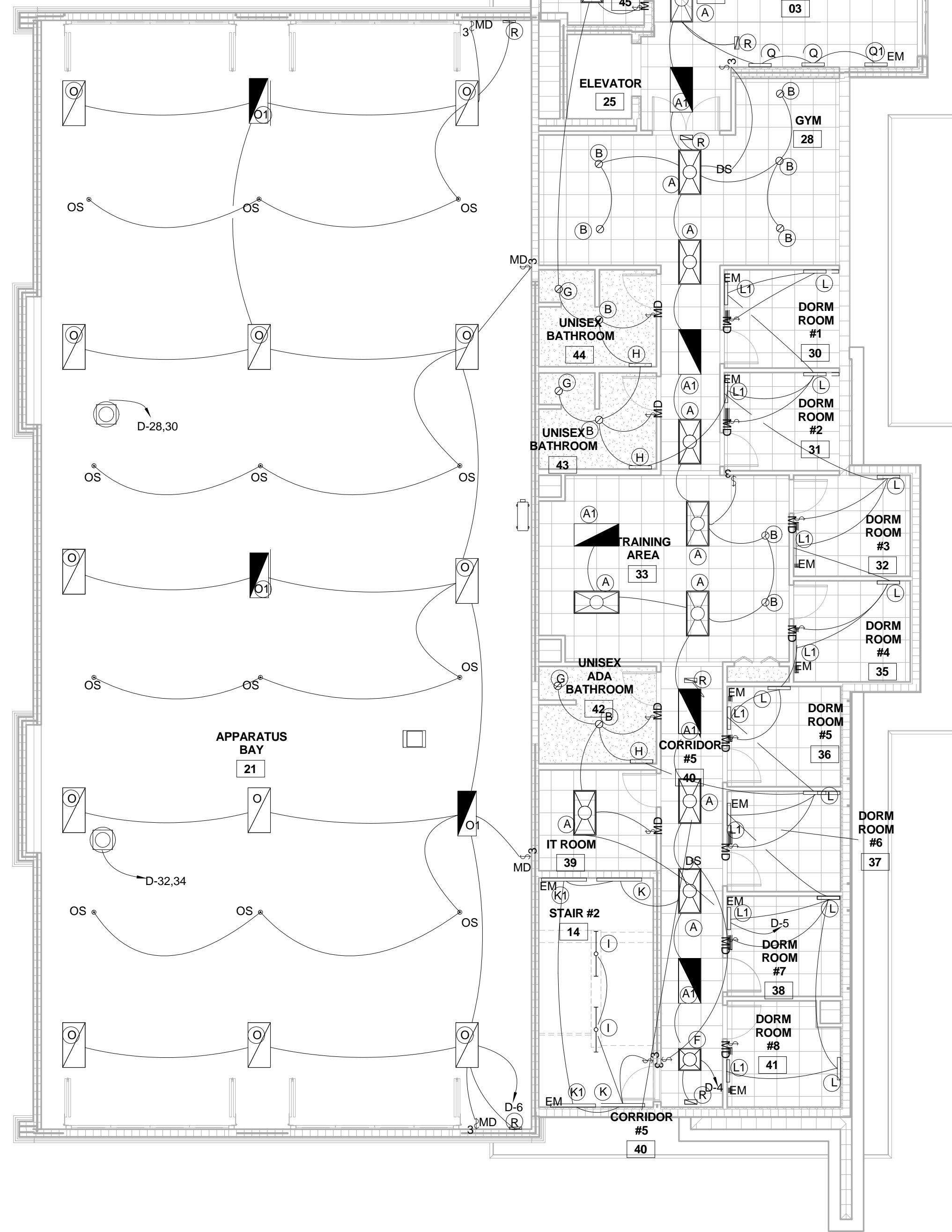
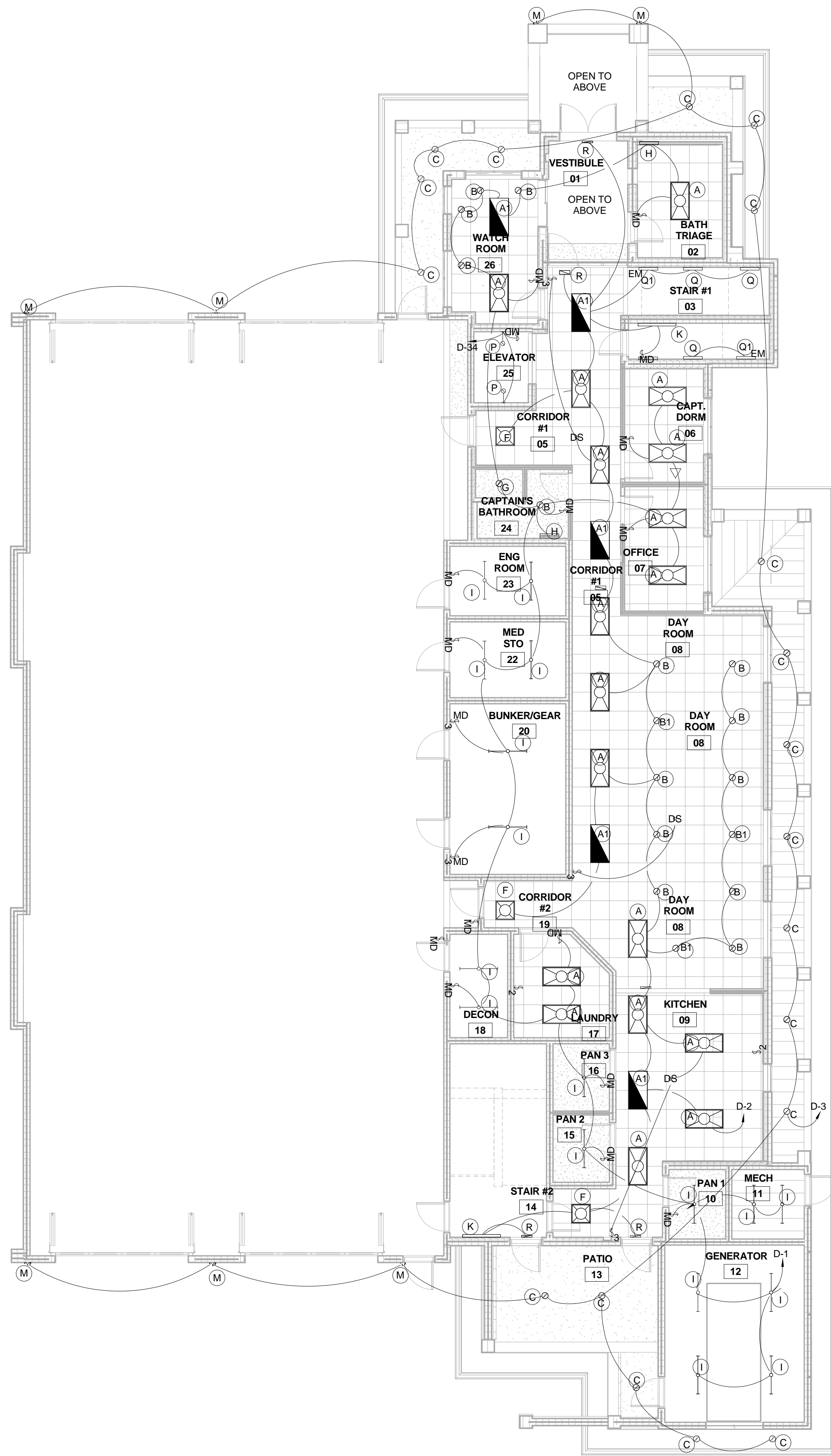
DATE: 12-26-2013

SCALE: As indicated

PROJECT NO. 1220D

SHEET:

E-2.1



**GENERAL NOTES**

1. REFER TO SITE AND ARCHITECTURAL PLANS FOR ADDITIONAL CALL OUTS AND ELECTRICAL WORK.

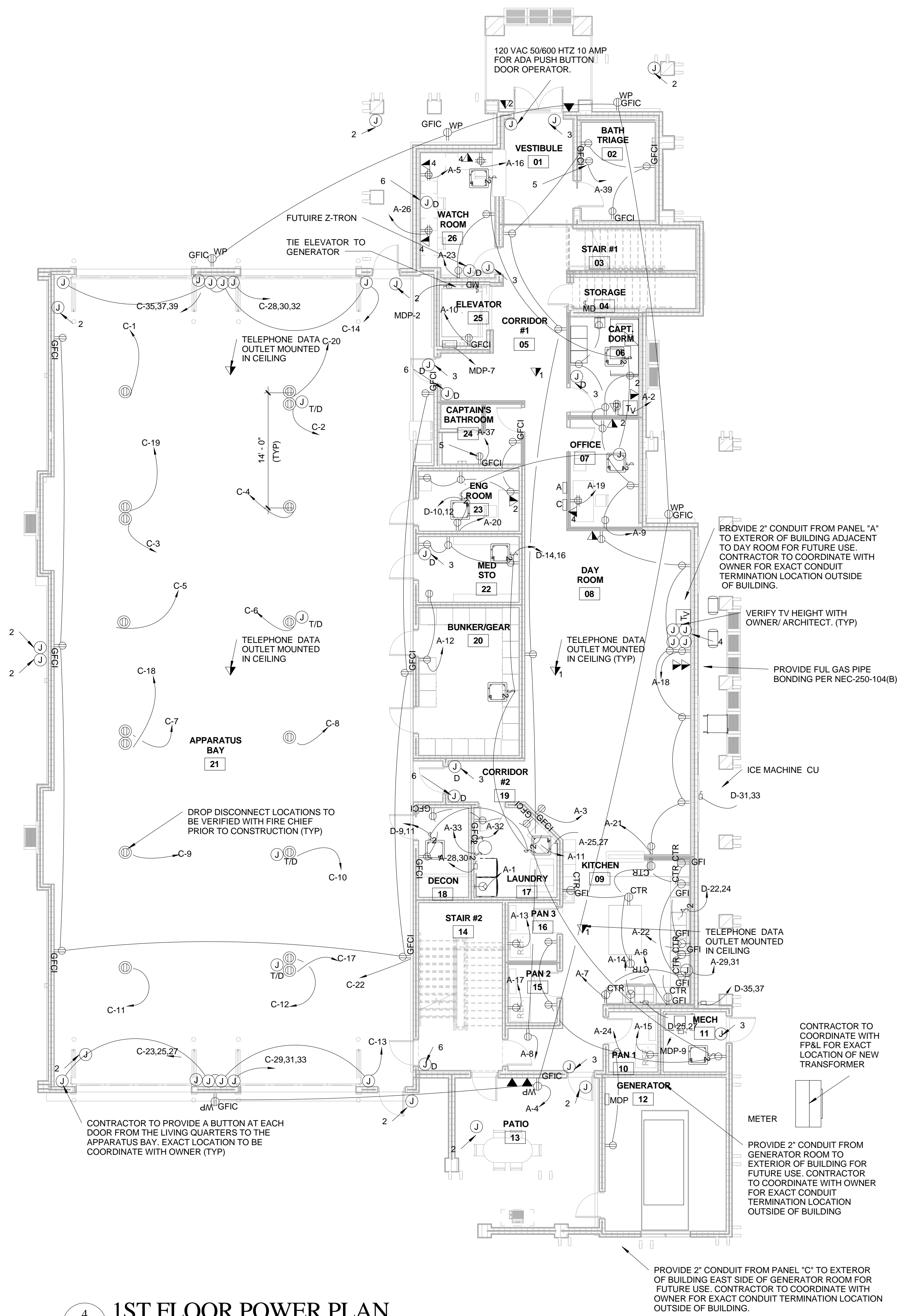
KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

**KAMM** CONSULTING  
1408 Orange Avenue  
Fort Pierce, Florida 34950  
Phone 772.595.1744 Fax 772.595.1745  
engineering@kammconsulting.com  
Certification of Authorization #8189

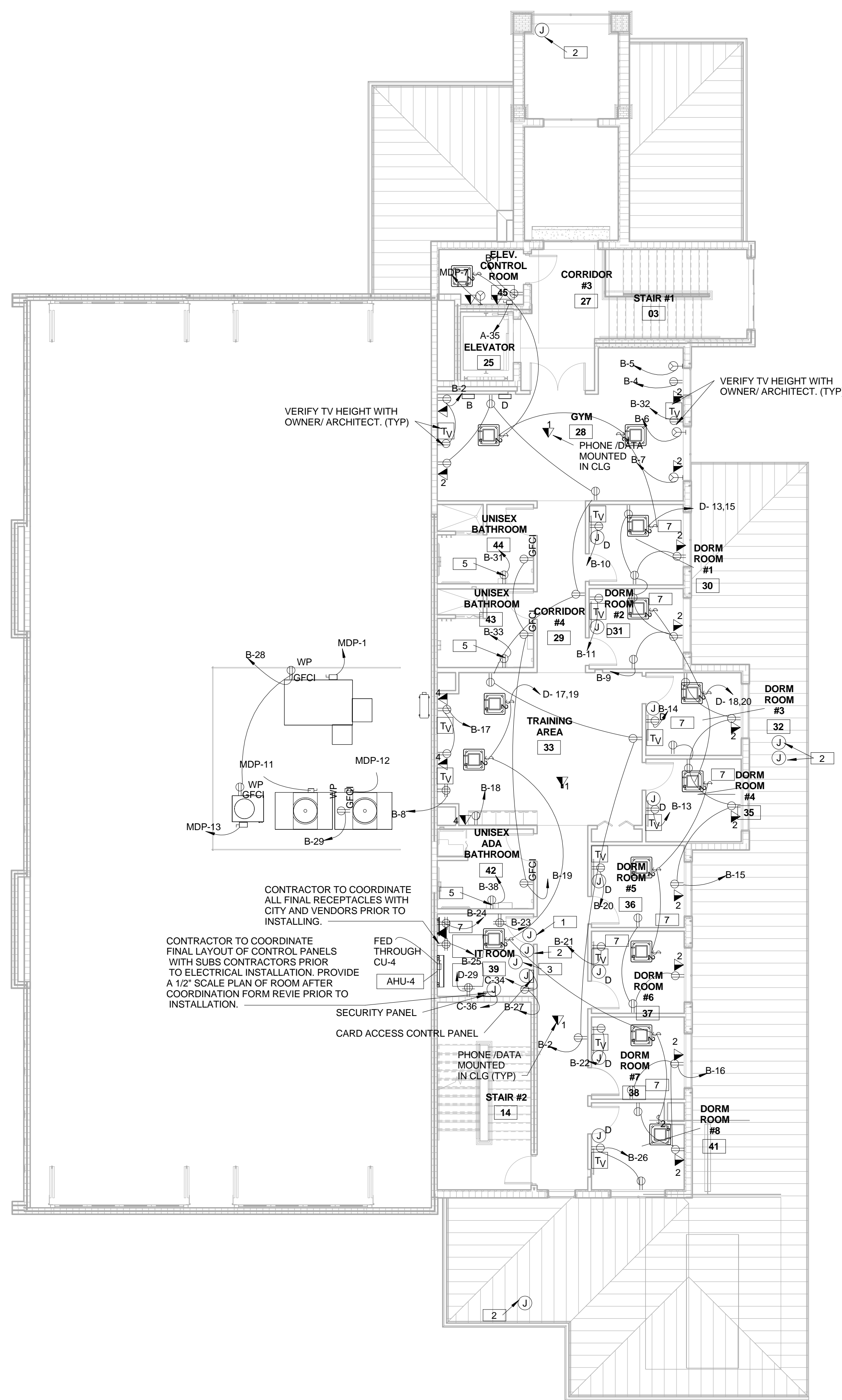
PRINCIPAL  
Brady L. Brown Florida License #58232 9-24-14  
date  
signed

NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:



4 1ST FLOOR POWER PLAN  
E-3.1 SCALE: 1/8" = 1'-0"



3 2ND FLOOR POWER PLAN  
E-3.1 SCALE: 1/8" = 1'-0"

### GENERAL NOTES

- REFER TO SITE AND ARCHITECTURAL PLANS FOR ADDITIONAL CALL OUTS AND ELECTRICAL WORK.

### KEY NOTES

- 3/4" EMPTY CONDUIT TO CLG AND SINGLE DUPLEX WITH BLANK COVER PLATE. MOUNTING HEIGHT 42" A.F.F.
- PROVIDE J-BOX FOR SECURITY CAMERA. CONTRACTOR TO COORDINATE EXACT HEIGHT AND LOCATION WITH SECURITY CONTRACTOR.
- PROVIDE J-BOXES FOR CARD READER.
- PROVIDE DOUBLE J-BOXES ONE AT TV HEIGHT AND ONE SET BELOW WITH (2) 1" CONDUITS FOR CONTROLS. CONTRACTOR TO VERIFY WITH ARCH AND OWNER PRIOR TO CONSTRUCTION. (TYP)
- CONTRACTOR TO COORDINATE WITH ARCH/OOWNER FOR EXACT LOCATION OF HAND DRYERS PRIOR TO INSULATION.
- PROVIDE J BOX FOR DOOR #30 & 31 RELEASE. CONTRACTOR TO COORDINATE WITH CITY FOR EXACT LOCATION PROPOR TO INSTALL.
- WHERE RECEPTALS ARE INSTALLED BEHIND BED THE RECEPTACLE SHALL BE LOCATED TO PREVENT THE BED FROM CONTACTING ANY ATTACHMENT PLUG THAT MAY BE INSTALLED OR RECEPTACLE SHALL BE PROVIDED WITH SUTIBLE GUARD . PER SECTION NEC-210-60.



DRAWING TITLE:

Power Plan  
DRAWN: Author  
CHECKED: Checker  
DATE: 12-26-2013  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

KAMM CONSULTING PROJECT #: 2013-0931  
PROJECT MANAGER: JOHN MAYR

**KAMM** CONSULTING  
1408 Orange Avenue  
Fort Pierce, Florida 34950  
Phone 772.595.1744 Fax 772.595.1745  
engineering@kammconsulting.com  
Certification of Authorization #8189

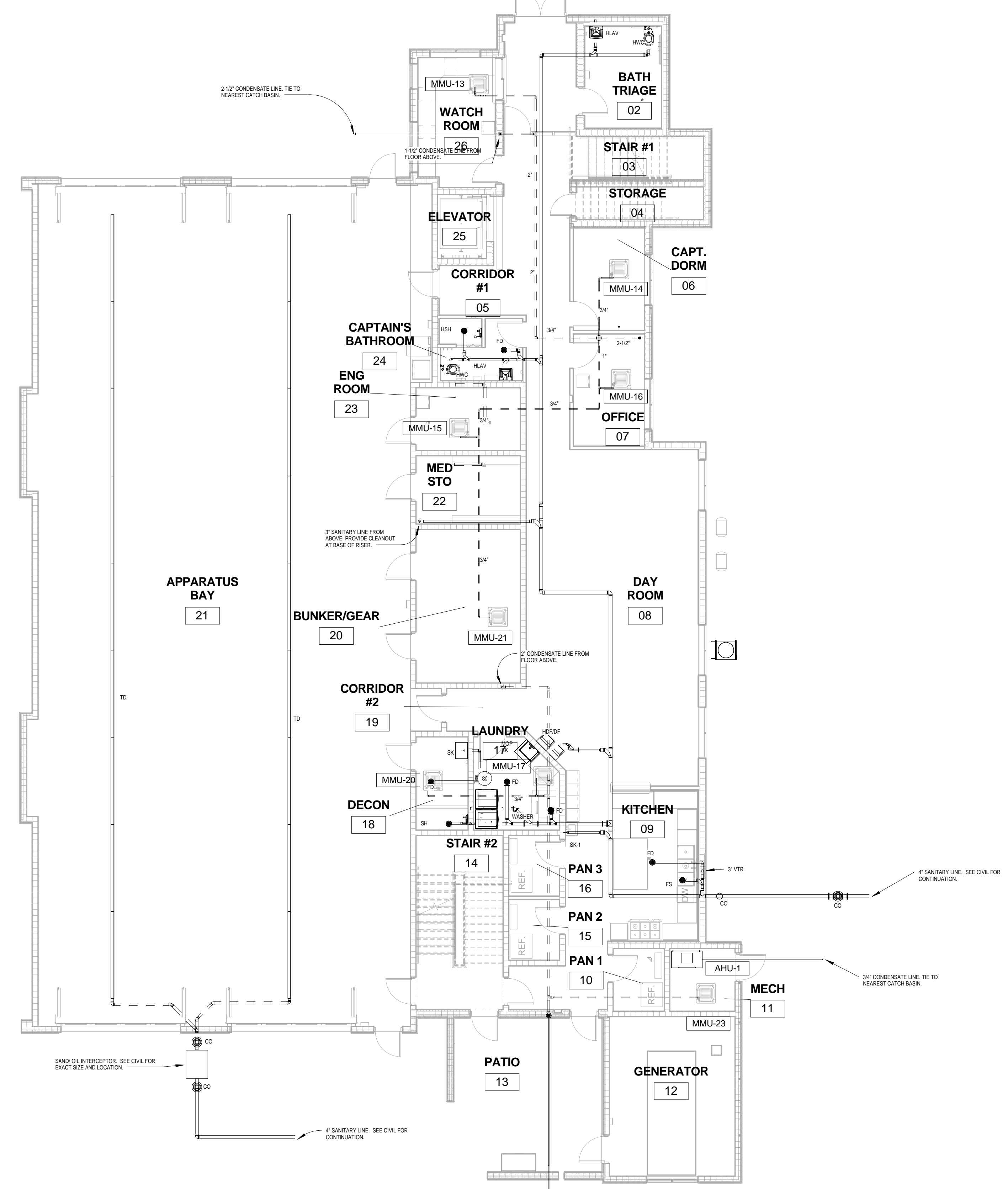
PRINCIPAL  
Brady L. Brown Florida License #58232 9-24-14  
date  
signed





NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

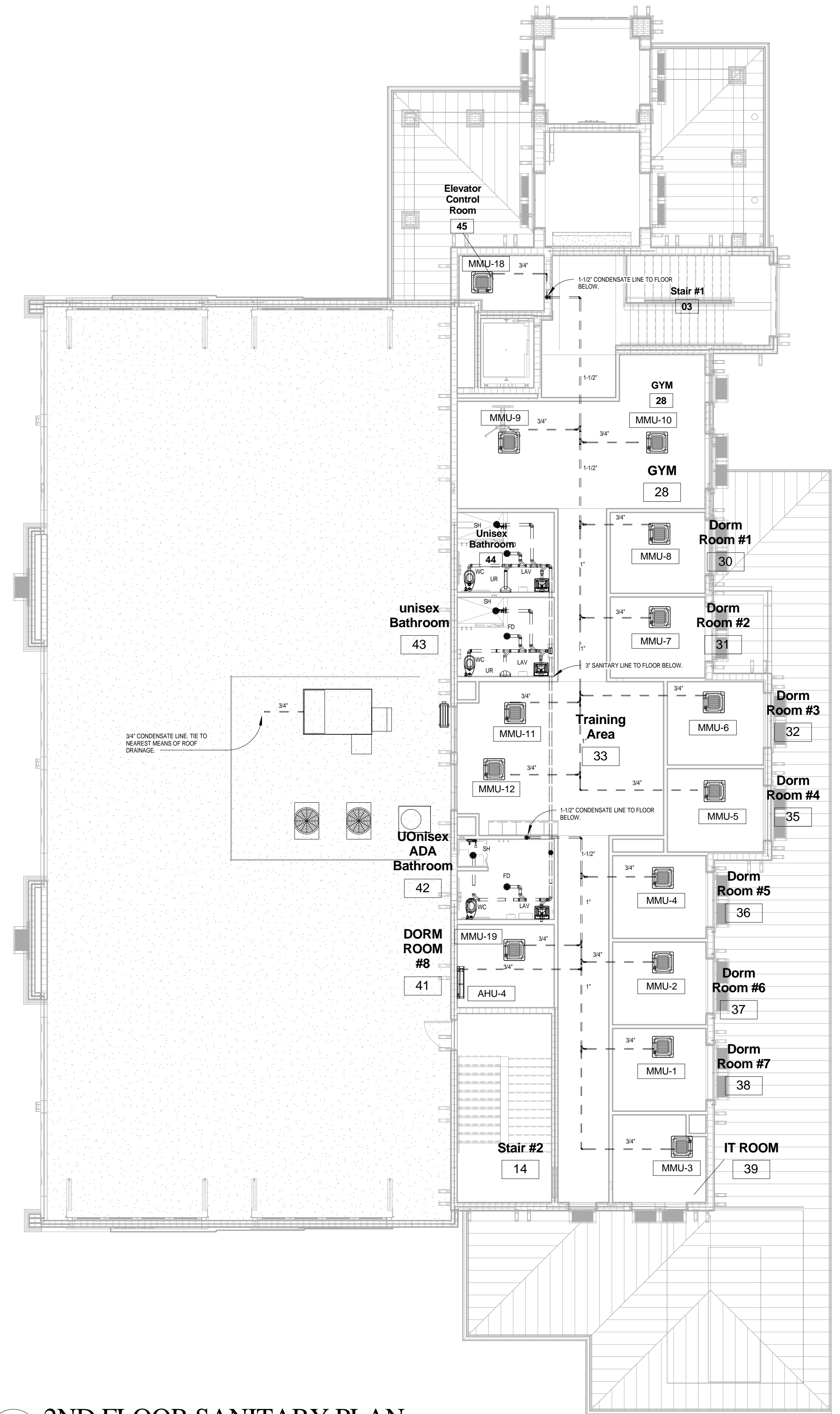
CONSULTANT:



1 1ST FLOOR SANITARY PLAN  
P-2.1 SCALE: 1/8" = 1'-0"

GENERAL NOTE

MAINTAIN FIRE RATING OF WALLS WHERE PENETRATED BY PLUMBING PIPING. SEAL PENETRATION USING UL APPROVED PRODUCT AND APPROVAL METHOD.



2 2ND FLOOR SANITARY PLAN  
P-2.1 SCALE: 1/8" = 1'-0"

FIRE STATION 50

NW 45 AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066



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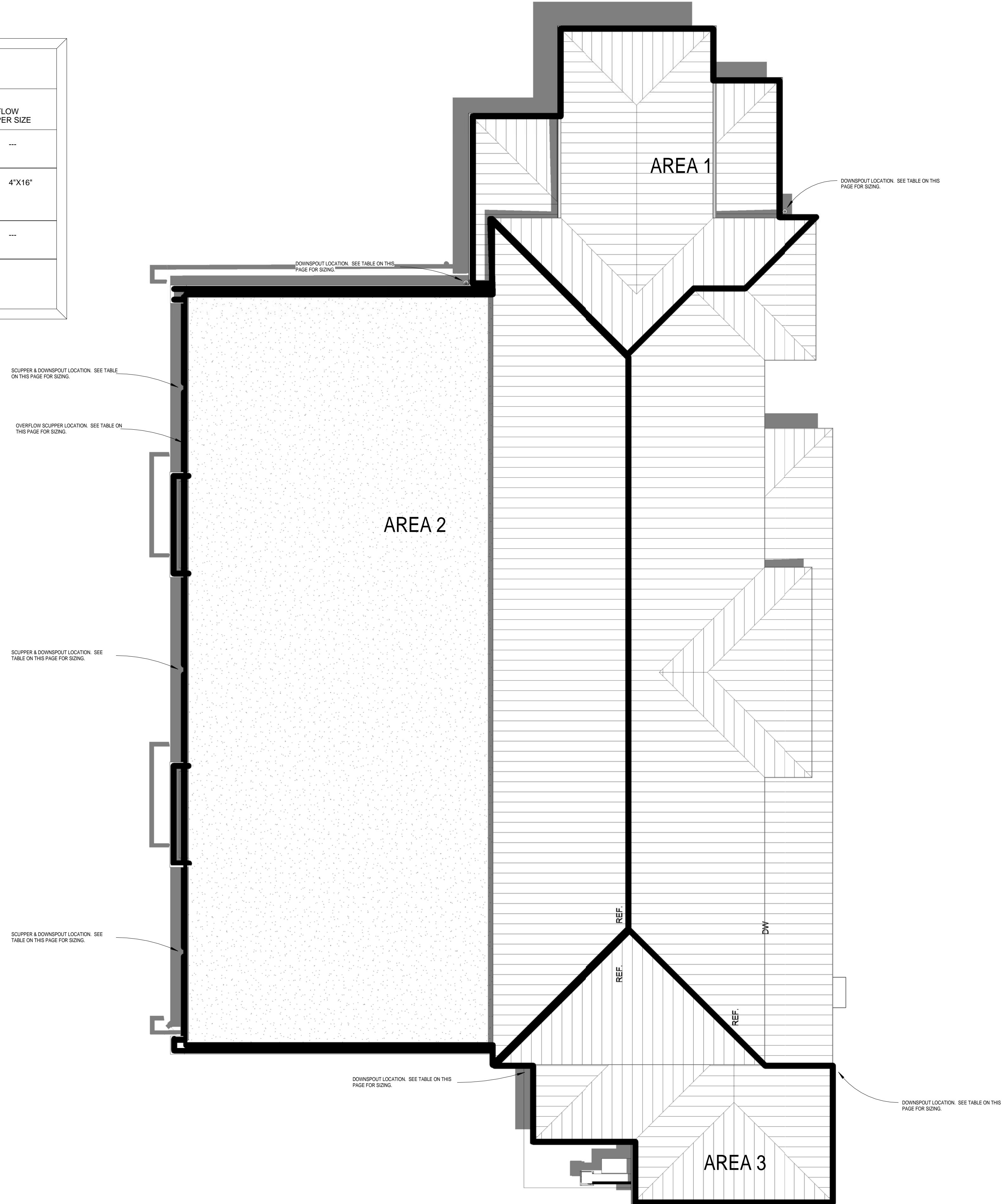
First and Second Floor Sanitary Plans

DRAWN:  
CHECKED:  
DATE: 12-26-2013  
SCALE: 1/8" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR	
	1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772.595.1744 Fax 772.595.1745 engineering@kammconsulting.com Certification of Authorization #8189
	PRINCIPAL Brady L. Brown Florida License #58232
	9-24-14 date signed

ROOF AREA CALC.						
AREA SERVED	RAIN FALL RATE *	HORIZONTAL SQ. FT.	SCUPPER SIZE	SEMICIRCULAR ROOF GUTTER SIZE	RECTANGULAR VERTICAL CONDUCTORS	OVERFLOW SCUPPER SIZE
1	5" PER HOUR	1396	---	7"	2-3/4"X4-1/4"	---
2	5" PER HOUR	5565	4'X6"	---	4'X6"	4'X16"
3	5" PER HOUR	754	---	6"	2'X3"	---

\* PER FLORIDA BUILDING CODE PLUMBING TABLES 1106.2(2), 1106.6, AND 1106.7.



NO.	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:

FIRE STATION 50  
NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066



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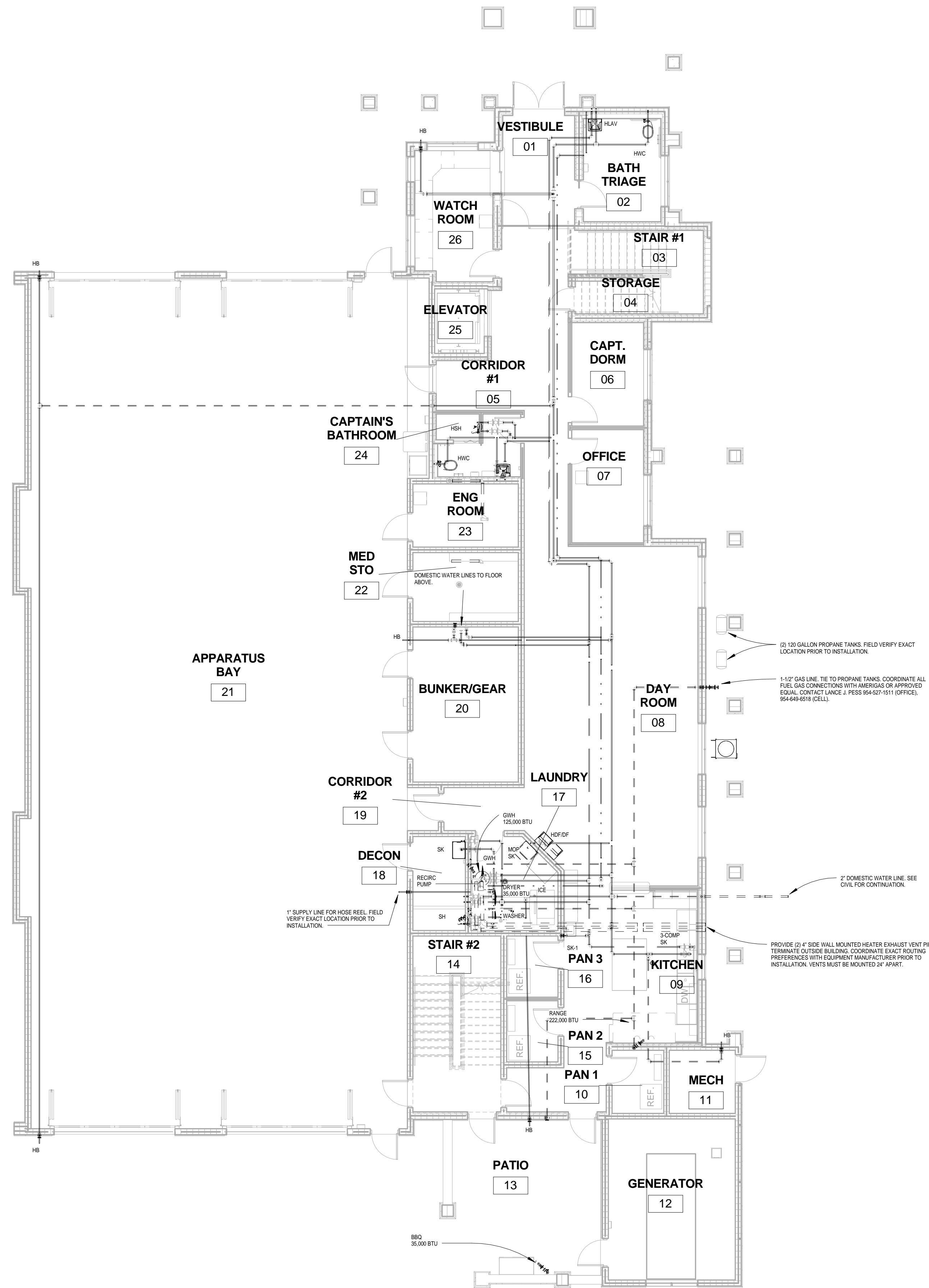
STORM DRAINAGE

DRAWN: Author	
CHECKED: Checker	
DATE: 12-26-2013	
SCALE: As indicated	
PROJECT NO. 1220D	
SHEET:	
KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR <b>KAMM</b> CONSULTING 1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772.595.1744 Fax 772.595.1745 engineering@kammconsulting.com Certification of Authorization: #8189 © 2014 KAMM CONSULTING	PRINCIPAL Brady L. Brown Florida License #58232 9-24-14 date signed

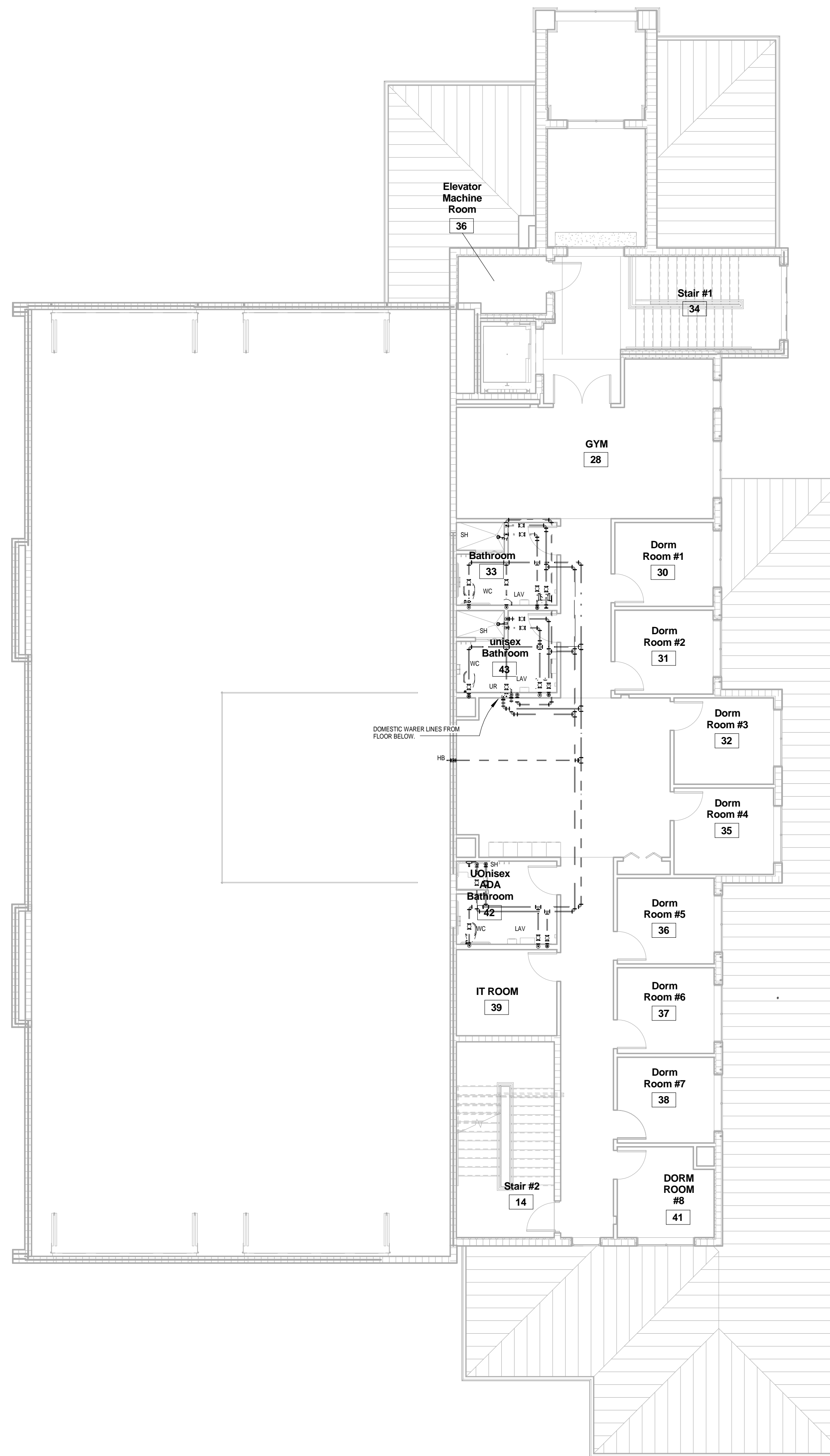


NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:



1 1ST FLOOR DOMESTIC WATER PLAN  
P-3.1 SCALE: 1/8" = 1'-0"



2 2ND FLOOR DOMESTIC WATER PLAN  
P-3.1 SCALE: 1/8" = 1'-0"

FIRE STATION 50  
NW 45AVE & COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:

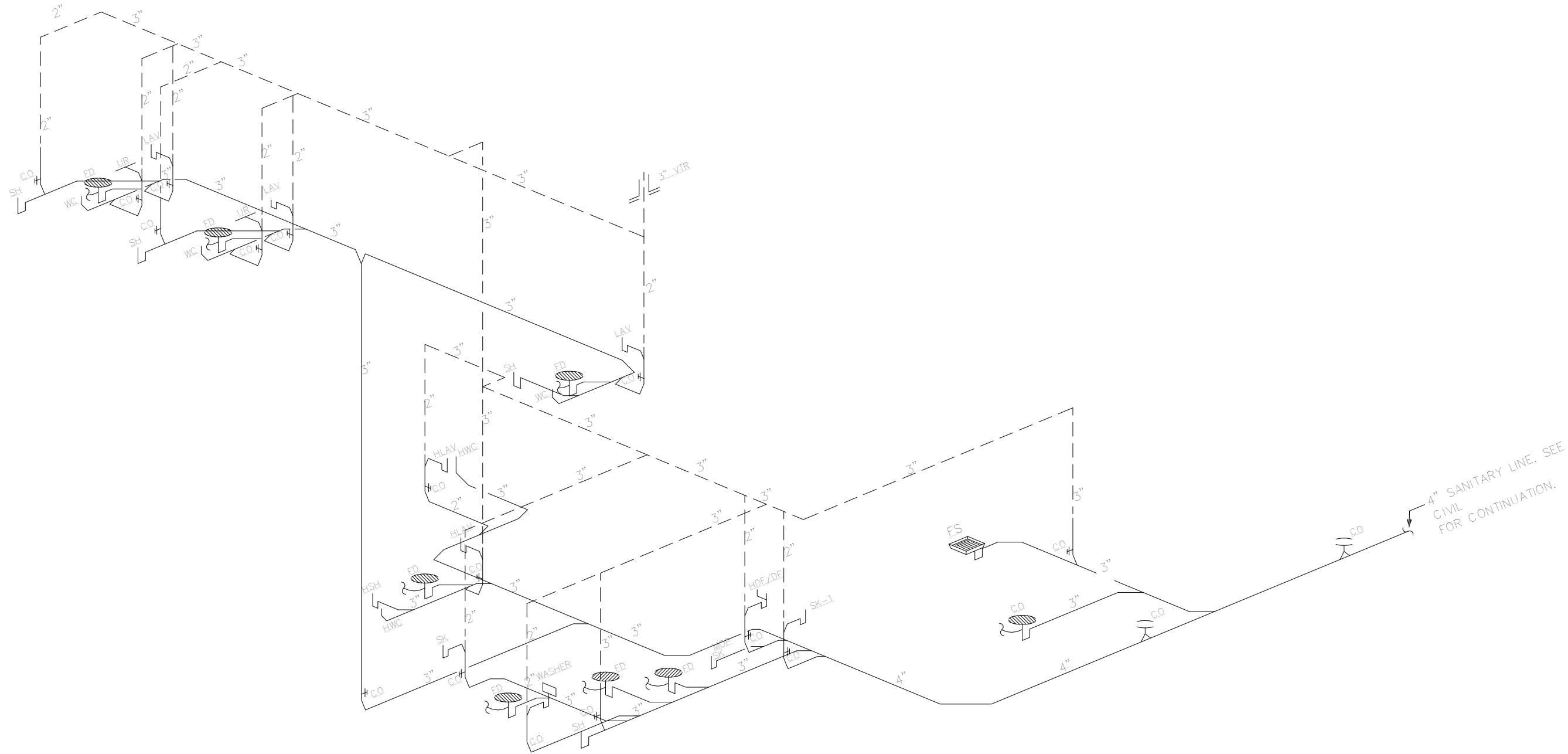
First and Second Floor Domestic Water Plan

DRAWN:	
CHECKED:	
DATE:	12-26-2013
SCALE:	1/8" = 1'-0"
PROJECT NO.:	1220D
SHEET:	

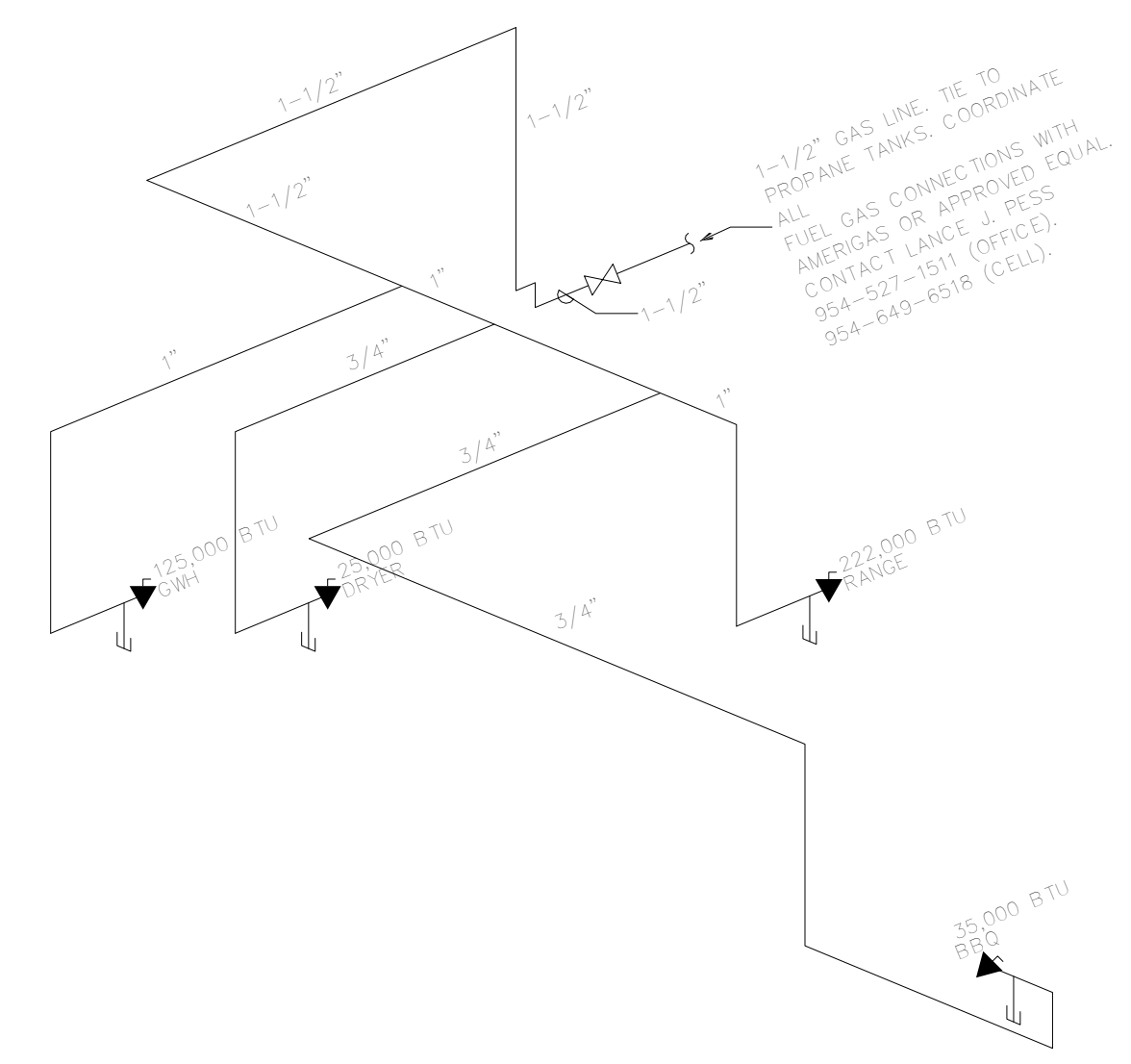
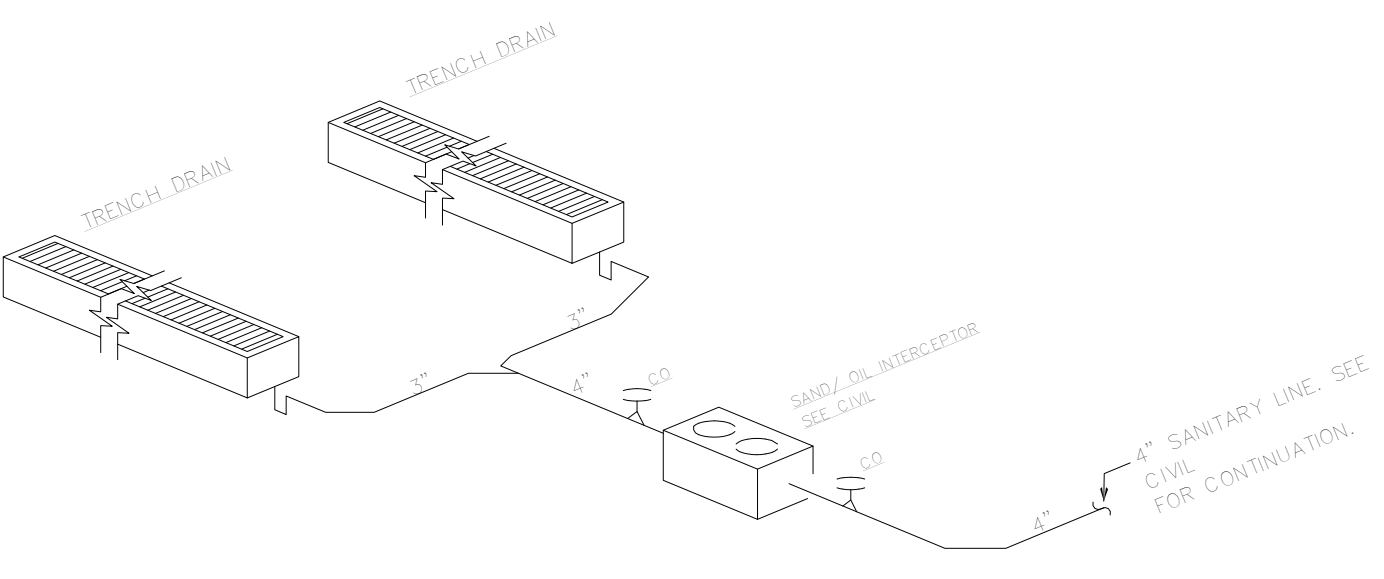
KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR	
<b>KAMM</b>	1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772.595.1744 Fax 772.595.1745 engineering@kammsconsulting.com Certification of Authorization #8189
PRINCIPAL Brady L. Brown	Florida License #58232
date	9-24-14
signed	

NO	REVISION	DATE
1	Cons. Iss. Set	11/3/14

CONSULTANT:

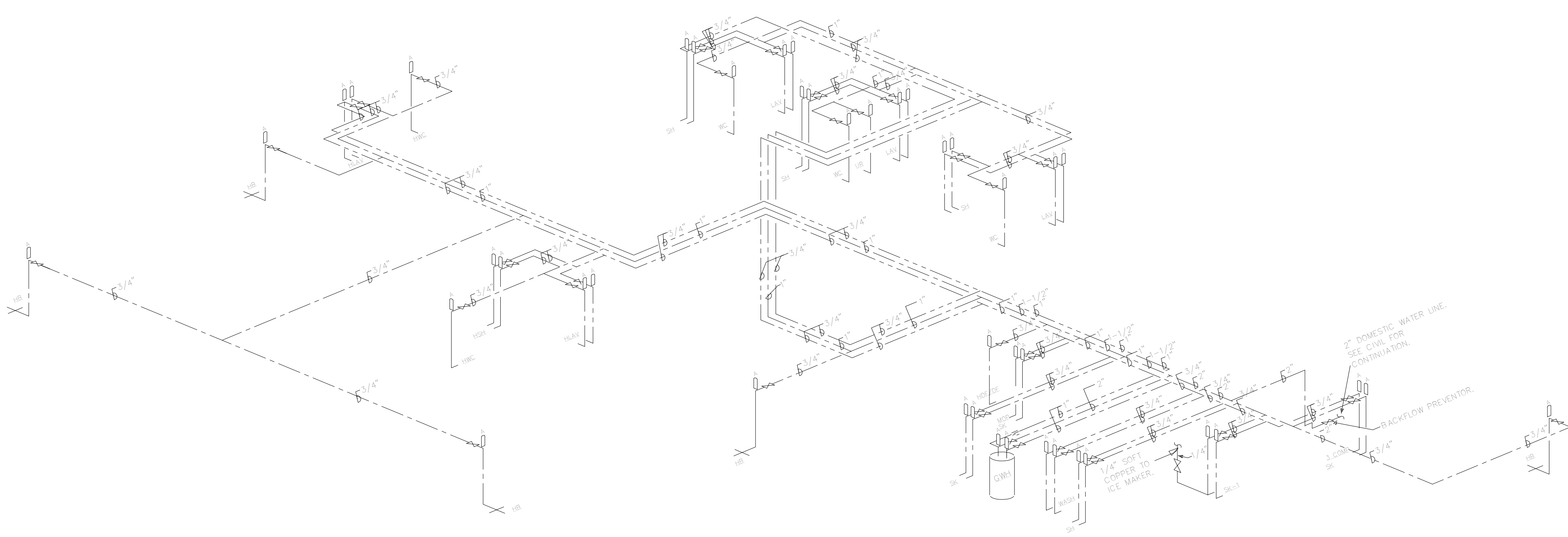


**SANITARY ISOMETRIC PLAN**  
N.T.S.



**GAS PIPING ISOMETRIC**  
NO SCALE

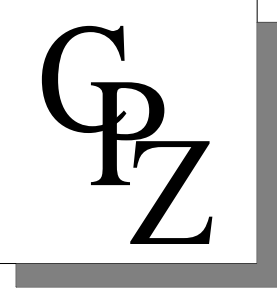
**COMPLETE SYSTEM**  
NOTE:  
TOTAL CONNECTED BTU = 407,000 BTUH  
TOTAL LENGTH = 100 FT  
SIZING OF PIPING BASED ON THE FLORIDA BUILDING CODE 2004 EDITION - FUEL GAS, CHAPTER 4, TABLE 402.4(2)(b)  
FUEL GAS PIPING SHALL BE SCHEDULE 40 METALLIC PIPING.



**DOMESTIC WATER ISOMETRIC PLAN**  
N.T.S.

KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR	
<b>KAMM</b> CONSULTING	1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772.595.1744 Fax 772.595.1745 engineering@kammconsulting.com Certification of Authorization: #8189
PRINCIPAL Brady L. Brown	Florida License #58232
date 9-24-14	signed

**FIRE STATION 50**  
 NW 45AVE & COCONUT CREEK PARKWAY COCONUT CREEK FLORIDA  
**CPZ ARCHITECTS, INC.**  
 4800 COCONUT CREEK PARKWAY  
 COCONUT CREEK FLORIDA 33666

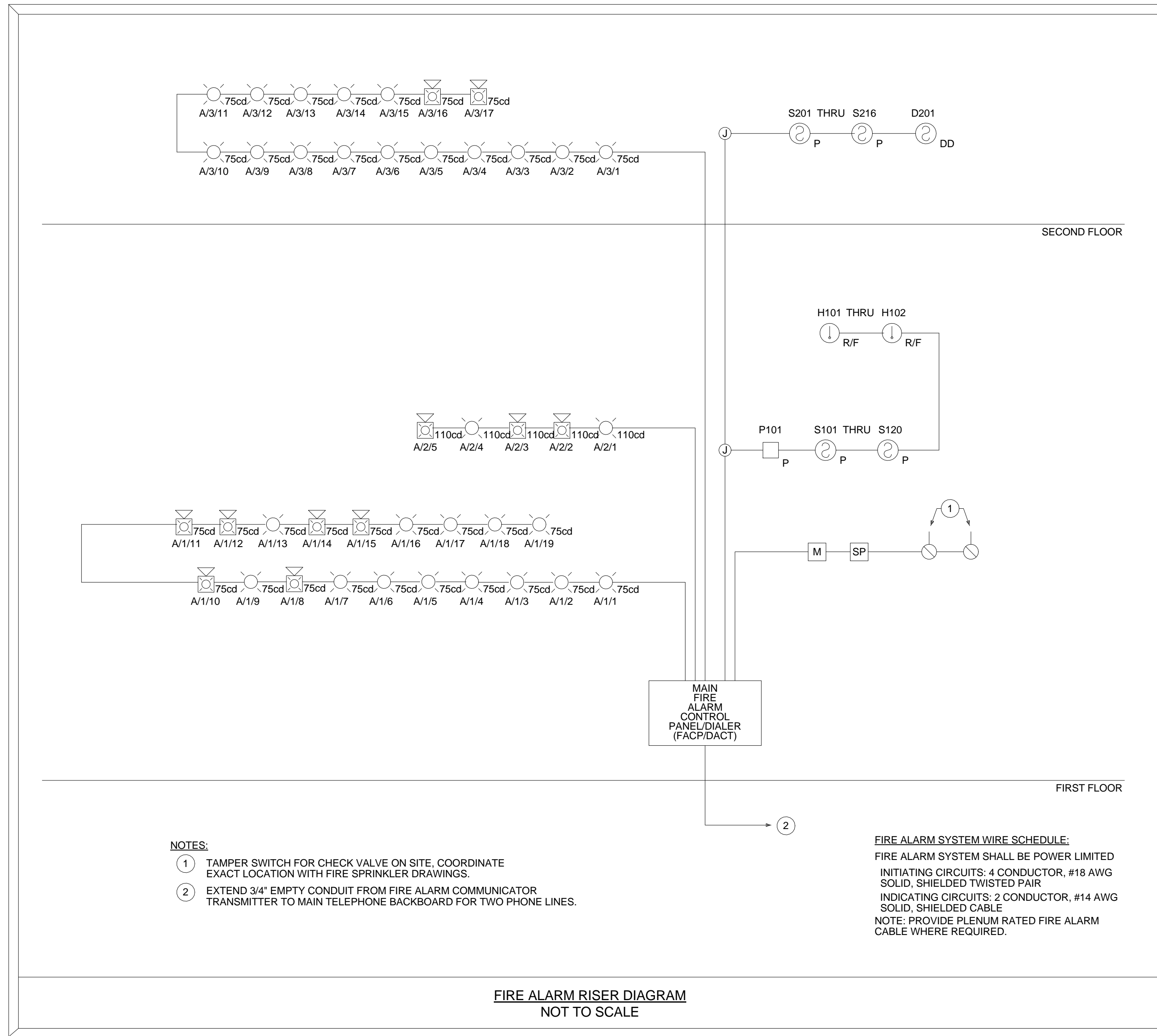


DRAWING TITLE:

**PLUMBING ISOMETRICS**

DRAWN: Author  
CHECKED: Checker  
DATE: 12-26-2013  
SCALE: 12" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

**P-5.1**



**NOTES:**

① TAMPER SWITCH FOR CHECK VALVE ON SITE, COORDINATE EXACT LOCATION WITH FIRE SPRINKLER DRAWINGS.

② EXTEND 3/4" EMPTY CONDUIT FROM FIRE ALARM COMMUNICATOR TRANSMITTER TO MAIN TELEPHONE BACKBOARD FOR TWO PHONE LINES.

**FIRE ALARM SYSTEM WIRE SCHEDULE:**  
 FIRE ALARM SYSTEM SHALL BE POWER LIMITED INITIATING CIRCUITS: 4 CONDUCTOR, #18 AWG SOLID, SHIELDED TWISTED PAIR  
 INDICATING CIRCUITS: 2 CONDUCTOR, #14 AWG SOLID, SHIELDED CABLE  
 NOTE: PROVIDE PLENUM RATED FIRE ALARM CABLE WHERE REQUIRED.

**FIRE ALARM RISER DIAGRAM  
 NOT TO SCALE**

**FIRE ALARM SHEET INDEX**

SHEET#	DESCRIPTION
FA0.1	FIRE ALARM RISER DIAGRAM, NOTES, LEGEND & INDEX
FA2.1	FIRE ALARM PLAN

**FIRE ALARM NOTES**

- THE MAIN FIRE ALARM CONTROL PANEL SHALL BE A MICROPROCESSOR BASE SYSTEM WITH ADDRESSABLE, INTELLIGENT DETECTORS, ADDRESSABLE CONTROL RELAY AND MONITOR MODULES, VISIBLE AND AUDIBLE SYSTEM ANNUNCIATORS AND OTHER SYSTEM CONTROLLED DEVICES AS REQUIRED.
- PROVIDE REMOTE POWER SUPPLY AS INDICATED FOR EACH FLOOR FOR FUTURE TENANT BUILDOUT. THE FIRE ALARM SHALL BE CAPABLE OF FUTURE EXPANSION AS REQUIRED IN THE TENANT SPACES.
- ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 72 AND N.E.C. ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 16 GA. AND 18 GA. STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER AS REQUIRED BY N.E.C. 760 AND N.F.P.A. 70.
- ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) METALLIC CONDUIT AND SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL. (SEE FIRE STOP DETAIL)
- ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC ONLY, VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
- ALL FIRE ALARM NOTIFICATION APPLIANCES SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.
- ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A THREE PLUS TEMPORAL PATTERN.
- ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
- MANUAL STATIONS SHALL BE INSTALLED AT 48" INCHES A.F.F.
- WALL MOUNTED FIRE ALARM SYSTEM AUDIBLE/VISUAL SIGNALS (COMBINATION DEVICES) SHALL BE MOUNTED SUCH THAT THE ENTIRE STROBE LENS IS 90" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- WALL MOUNTED FIRE ALARM SYSTEM VISUAL SIGNALS (STROBES) SHALL BE MOUNTED SUCH THAT THE ENTIRE STROBE LENS IS 90" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
- SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY N.F.P.A. 72.
- THE FIRE ALARM PANEL SHALL HAVE AN EARTH GROUND CONNECTION AS REQUIRED BY THE SYSTEM MANUFACTURER, AND N.E.C. ARTICLE 760. MINIMUM WIRE SIZE IS #8 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).
- A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION, FLOW SWITCH OR DETECTION DEVICE.
- A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
- A SUPERVISORY SIGNAL SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY FIRE SPRINKLER SYSTEM TAMPER SWITCH.
- HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL INITIATE A SUPERVISORY SIGNAL ONLY.
- FIRE ALARM SYSTEM SHALL BE U.L. CERTIFIED.
- ALL FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE AND ALL FIRE ALARM CIRCUITS SHALL BE CLASS 'B', STYLE 'C'.
- PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM, FLOOR PLAN DRAWINGS INDICATING ALL DEVICE LOCATIONS AND NUMBERS, COMPLETE BATTERY CALCULATIONS AND COMPLETE NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) TO THE BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION) AT THE TIME OF APPLICATION FOR BUILDING PERMIT.
- PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUAL COVERING MANUAL COVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.

**FIRE ALARM SYMBOLS**

- (P) FIRE ALARM MANUAL PULL STATION  
SIMPLEX 4099-9001
- (P) PHOTOELECTRIC SMOKE DETECTOR  
SIMPLEX 4098-9757 4098-9788(BASE)
- (DD) DUCT SMOKE DETECTOR, 24 VOLT  
SIMPLEX 4098-9756
- (R/F) HEAT DETECTOR(185° F), COMBINATION - RATE OF RISE AND FIXED TEMP.  
SIMPLEX 4098-9733 4098-9792 CC-623
- (FACP) FIRE ALARM CONTROL PANEL - ADDRESSABLE - ALARM TRANSMITTER  
SIMPLEX 4010-9101 4010-9813 4010-9816
- (HORN) FIRE ALARM HORN / STROBE COMBINATION  
SIMPLEX 4903-9451(75CD) 4903-9452(110CD) ET770WP-2475R-WP(180CD)
- (S) FIRE ALARM STROBE  
SIMPLEX 4904-9351(75CD) 4904-9352(110CD)
- (FS) FIRE ALARM FLOW SWITCH  
(FURNISHED BY SPRINKLER CONTRACTOR)
- (TS) FIRE ALARM TAMPER SWITCH  
(FURNISHED BY SPRINKLER CONTRACTOR)
- (RT) REMOTE TEST  
SIMPLEX 2098-9806
- (CR) CONTROL RELAY MODULE  
SIMPLEX 4098-9843
- (RI) RELAY IAM  
SIMPLEX 4090-9002
- (M) MONITOR MODULE, PROVIDE ONE FOR EACH FLOW SWITCH, TAMPER SWITCH AND AIR DUCT SMOKE DETECTOR  
SIMPLEX 4090-9001
- (KB) BUILDING KNOX BOX, MOUNT AT +60" AFF

NO.	REVISION	DATE
	1	Cons. Iss. Set

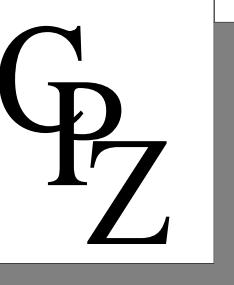
CONSULTANT:

FIRE STATION 50

NW 45-AVE & COCONUT CREEK PARKWAY COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066



DRAWING TITLE:

Fire Alarm Notes

1 FIRE ALARM NOTES  
 FA-0.1 SCALE: 12" = 1'-0"

DRAWN: _____	
CHECKED: _____	
DATE: 12-26-2013	
SCALE: 12" = 1'-0"	
PROJECT NO. 1220D	
SHEET:	
KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR	1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772-595-1744 Fax 772-595-1745 engineering@kammconsulting.com Certification of Authorization #8189
<b>KAMM</b> CONSULTING	9-24-14 date
BRADLEY L. BROWN Principal Florida License #58232	signed

FA-0.1

NO	REVISION		DATE
	1	2	
	Cons. Iss. Set.		11/3/14

CONSULTANT:

FIRE STATION 50

NW 45AVE & COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.

4800 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

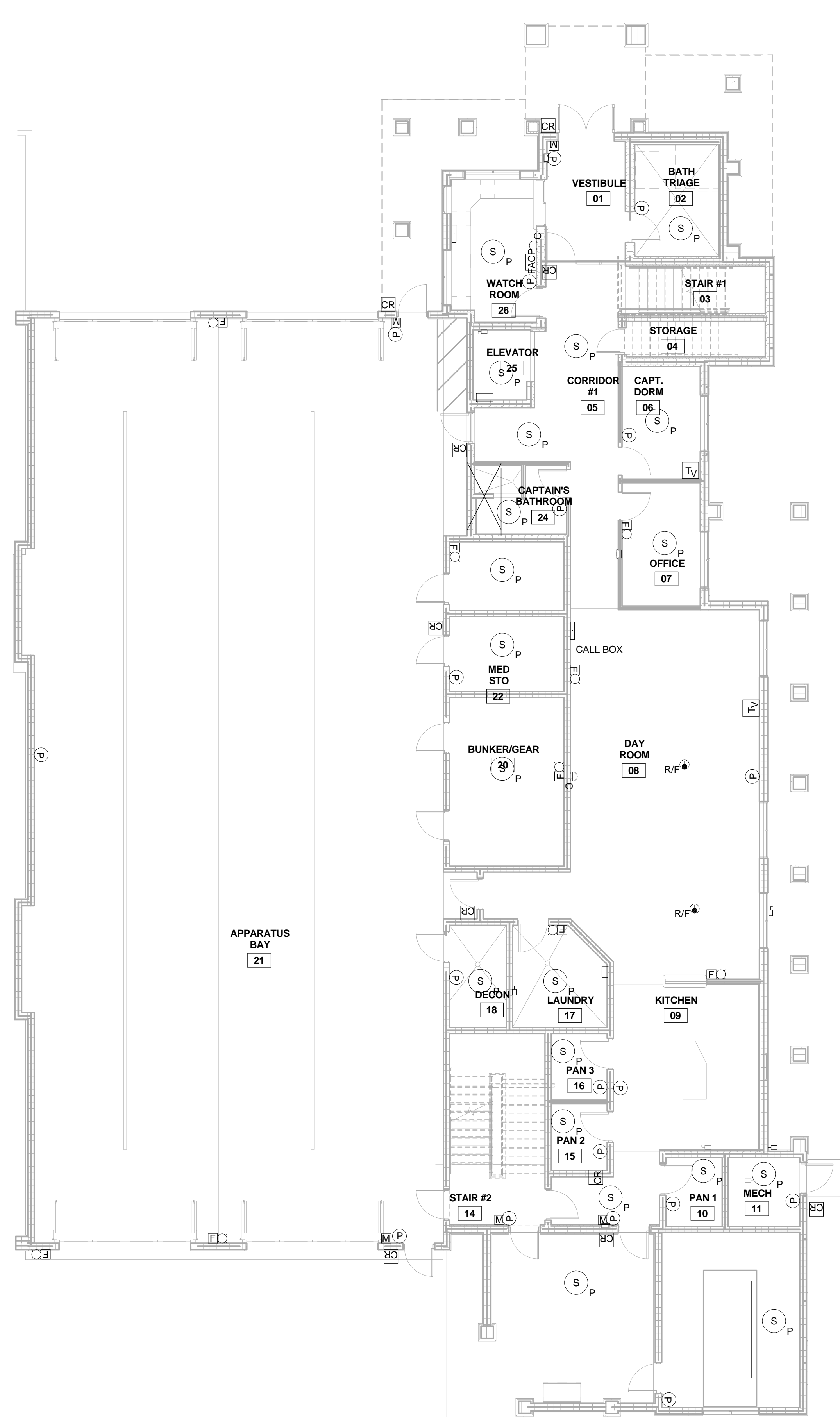


DRAWING TITLE:

First and Second Floor  
Fire Alarm Plans

DRAWN:  
CHECKED:  
DATE: 12-26-2013  
SCALE: 1/8" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

FA-2.1



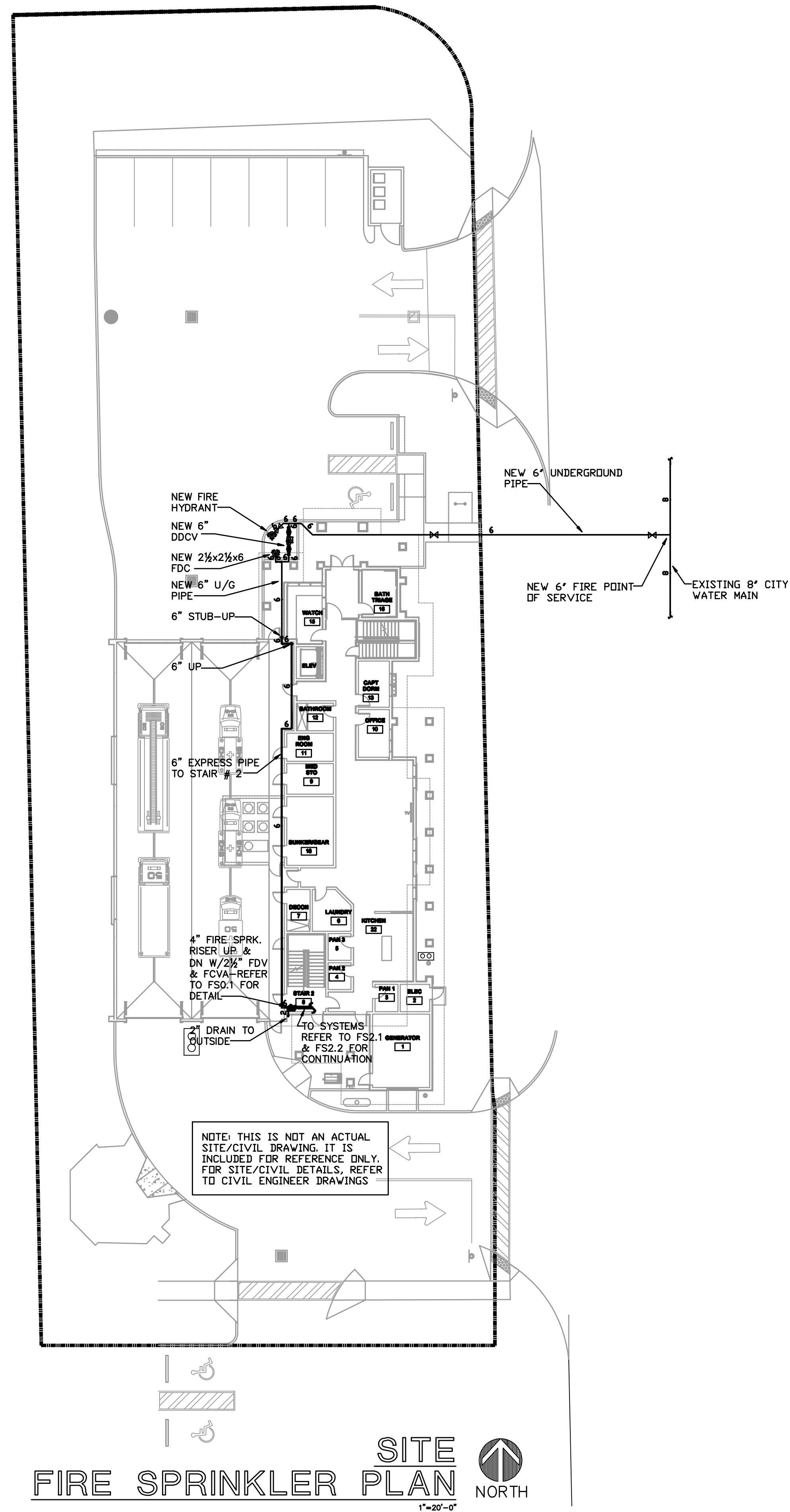
1 1ST FLOOR FIRE ALARM PLAN  
FA-2.1 SCALE: 1/8" = 1'-0"



2 2ND FLOOR FIRE ALARM PLAN  
FA-2.1 SCALE: 1/8" = 1'-0"

KAMM CONSULTING PROJECT #: 2013-0931 PROJECT MANAGER: JOHN MAYR	
<b>KAMM</b> Consulting	1408 Orange Avenue Fort Pierce, Florida 34950 Phone 772.595.1744 Fax 772.595.1745 engineering@kamiconsulting.com Certification of Authorization: #8189
PRINCIPAL Brady L. Brown	Florida License #58232      9-24-14 date
	signed



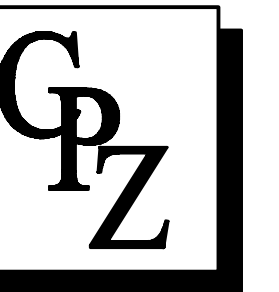


**SITE FIRE SPRINKLER PLAN**  
 NORTH

**PROPOSED NEW FIRE STATION 50  
 NW 43 AVE.  
 NW 43 AVE & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA**

**CPZ ARCHITECTS, INC.**

416 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE (954) 792-8225 FAX (954) 877-8889  
 AIA LICENSE # 111111111 WWW.CPZARCHITECTS.COM

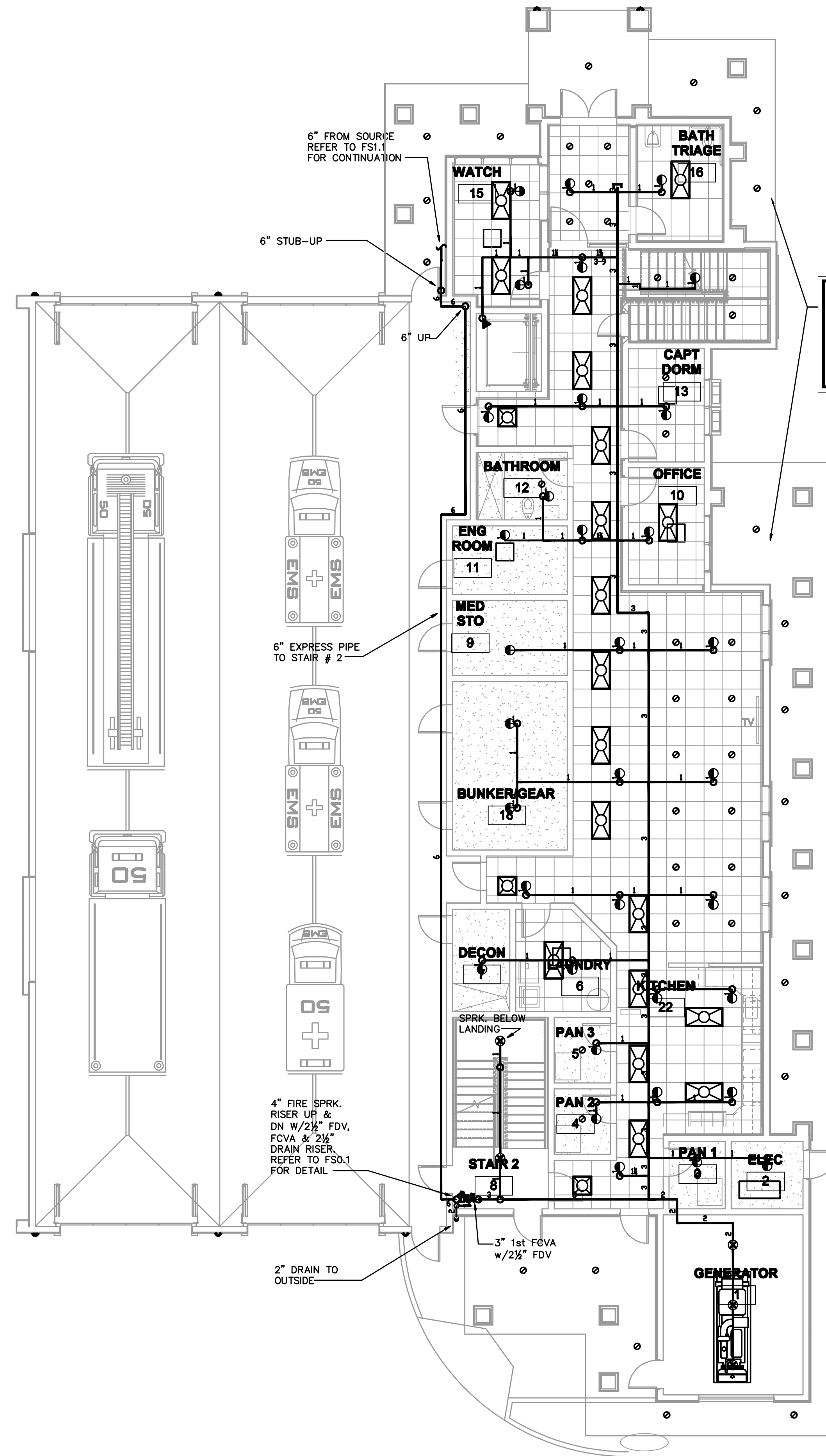


DRAWING TITLE:  
**FIRE SPRINKLER SITE**

ISSUED FOR PERMIT ONLY		06-11-14
KAMM CONSULTING PROJECT # 2813-001		
PROJECT MANAGER: JOHN MAYL		
<b>KAMM</b> Consulting		1408 Orange Avenue West Palm Beach, Florida 33409 Phone 772.555.1744 Fax 772.555.1745 Email info@kammconsulting.com Certification of Authorization #6119
PRINCIPAL Buddy L. Brown	Florida License #28232	date
		signature

DRAWN	-
CHECKED	CPZ
DATE	-
SCALE	AS NOTED
PROJECT NO.	1220B
SHEET:	

**FS1.1**



**CONFIRMATION NOTE:**  
 AS PER ARCHITECT'S CONFIRMATION VIA E-MAIL, ALL ROOFS MADE WITH NON COMBUSTIBLE MATERIALS WILL HAVE NO ACCESS, THEREFORE NOTHING WILL BE STORED INSIDE CONCEALED ROOFS; ALSO BELOW EXTERIOR ROOFS NOTHING WILL BE STORED. FIRE SPRINKLERS WILL NOT BE REQUIRED ABOVE AND BELOW METAL ROOFS.

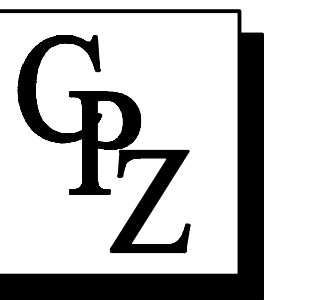
**IMPORTANT ADDITIONAL NOTES:**

- 1- FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SIGNED AND SEALED BY THEIR OWN FLORIDA REGISTERED PROFESSIONAL ENGINEER FOR FIRE SPRINKLER PERMIT.
- 2- ALL FIRE SPRINKLERS SHALL HAVE A UL APPROVED CORROSION RESISTANT COATING WHERE EXPOSED TO OUTSIDE AIR, SALT, CHEMICALS, MOISTURE, AND/OR OTHER CORROSIVE VAPORS SUFFICIENT TO CAUSE CORROSION OF SUCH DEVICES.
- 3- THE CONTRACTOR SHALL RECEIVE THE ARCHITECT'S APPROVAL FOR ALL FIRE SPRINKLERS/ESCUTCHION FINISHES PRIOR TO ORDERING AND INSTALLING DESPITE WHAT IS SPECIFIED IN THESE DOCUMENTS.
- 4- ALL EXPOSED PIPE AND FITTINGS TO OUTSIDE AIR, SALT, CHEMICALS, MOISTURE, AND/OR OTHER CORROSIVE VAPORS SUFFICIENT TO CAUSE CORROSION OF SUCH MATERIALS SHALL BE GALVANIZED PIPE SCH. 40, GALVANIZED FITTINGS, HANG UP WITH STAINLESS STEEL ROD AND HANGERS AND SHALL BE ALL RED PAINTED.
- 5- FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A FLOW TEST PERFORMED BY THE LOCAL AUTHORITY TO ASCERTAIN THE WATER SERVICE REQUIRED FOR THE FIRE SPRINKLER INSTALLATION; THE HYDRAULIC CALCULATIONS SHALL ALLOW FOR A 10% PRESSURE REDUCTION AS A FACTOR OF SAFETY AND COMPLY WITH THE AHJ REQUIREMENTS AND/OR USE PRESSURE AND FLOW CRITERIA PROVIDED BY THE AUTHORITY HAVING JURISDICTION.
- 6- THE CONTRACTOR SHALL CREATE SHOP DRAWINGS AND PERFORM HYDRAULIC CALCULATIONS AS PER NFPA 13, 2007, 6.15.19.5.2 ACCORDING TO THE RESPECTIVE HAZARD REQUIREMENTS BY OWNER STANDARDS IF ANY AND BY CODE, SHALL SHOW PIPE SIZES, ALL FITTINGS, AND DIMENSIONAL LOCATIONS FOR ALL EXISTING AND NEW FIRE SPRINKLERS, MAINS, BRANCHES, AND EXISTING PIPING FOR THE WATER SUPPLY TO THE CONNECTION OF THE SYSTEM.
- 7- THE FIRE SPRINKLERS SHOWN IN THIS DRAWING ARE A PROPOSED LAYOUT LOCATION ONLY; THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATION AND FINAL LOCATION OF THE FIRE SPRINKLER HEADS (AS PER NFPA 13 AND AHJ) WITH THE RESPECTIVE HAZARD REQUIREMENTS BY CODE AND PIPING FOR FINAL FIRE PROTECTION LAYOUT DOCUMENTS PREPARATION AND FINAL INSTALLATION.
- 8- THE CONTRACTOR SHALL COORDINATE ALL FIRE SPRINKLER WORK WITH ALL OTHER CONSTRUCTION DISCIPLINES INCLUDING BUT NOT LIMITED TO HVAC, PLUMBING, ELECTRICAL, STRUCTURAL AND CIVIL. THE CONTRACTOR SHALL ALSO COORDINATE ANY SPECIAL TESTING REQUIRED BY THE OWNER.

**1ST FLOOR  
 FIRE SPRINKLER PLAN**   
 1/8"=1'-0"

**PROPOSED NEW FIRE STATION 50  
 NW 43 AVE.  
 NW 43 AVE & COCNUIT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA**

**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE (954) 792-8225 FAX (954) 877-6889  
 AL 0500065 WWW.CPZARCHITECTS.COM

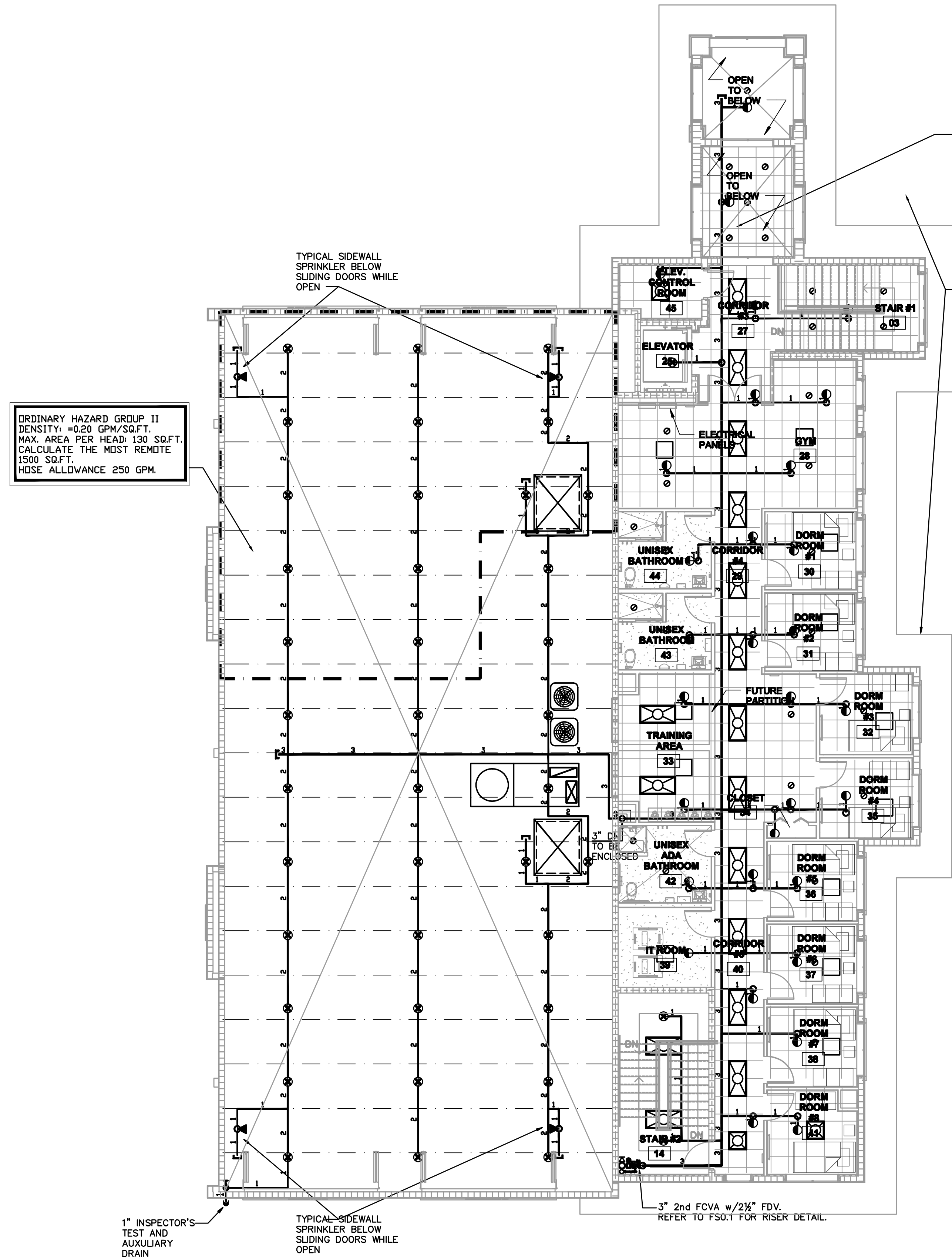


**DRAWING TITLE:  
 FIRE SPRINKLER  
 PLAN 1ST FLOOR**

DRAWN -  
 CHECKED CPZ  
 DATE -  
 SCALE AS NOTED  
 PROJECT NO. 1220B  
 SHEET:

**FS2.1**

ISSUED FOR PERMIT ONLY		06-11-14
KAMM CONSULTING PROJECT #R 2813-001		
PROJECT MANAGER: JOHN MAYL		
	1408 Orange Avenue West Palm Beach, Florida 33409 Phone 772.555.1744 Fax 772.555.1745 Email info@kammconsulting.com Website www.kammconsulting.com Certification of Authorization #6189	
	PRINCIPAL Brady L. Brown Florida License #28232	Date _____ Signature _____



ORDINARY HAZARD GROUP II  
 DENSITY: =0.20 GPM/SQ.FT.  
 MAX. AREA PER HEAD: 130 SQ.FT.  
 CALCULATE THE MOST REMOTE  
 1500 SQ.FT.  
 HOSE ALLOWANCE 250 GPM.

LIGHT HAZARD  
 DENSITY: =0.10 GPM/SQ.FT.  
 MAX. AREA PER HEAD: 225 SQ.FT.  
 CALCULATE THE MOST REMOTE  
 1500 SQ.FT. HOSE ALLOWANCE  
 100 GPM. REMOTE AREA IS  
 ALLOWED TO BE REDUCED BY  
 USING QUICK RESPONSE HEADS  
 PER NFPA 13,2007/11.2.3.2.3.1

CONFIRMATION NOTE:  
 AS PER ARCHITECT'S CONFIRMATION VIA  
 E-MAIL, ALL ROOFS MADE WITH NON  
 COMBUSTIBLE MATERIALS WILL HAVE NO  
 ACCESS, THEREFORE NOTHING WILL BE  
 STORAGE INSIDE CONCEALED ROOFS; ALSO  
 BELOW EXTERIOR ROOFS NOTHING WILL BE  
 STORAGE. FIRE SPRINKLERS WILL NOT BE  
 REQUIRED ABOVE AND BELOW METAL ROOFS.

IMPORTANT ADDITIONAL NOTES:

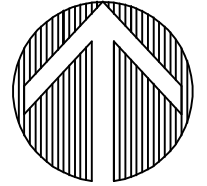
- 1- FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SIGNED AND SEALED BY THEIR OWN FLORIDA REGISTERED PROFESSIONAL ENGINEER FOR FIRE SPRINKLER PERMIT.
- 2- ALL FIRE SPRINKLERS SHALL HAVE A UL-APPROVED CORROSION RESISTANT COATING WHERE EXPOSED TO OUTSIDE AIR, SALT, CHEMICALS, MOISTURE, AND/OR OTHER CORROSIVE VAPORS SUFFICIENT TO CAUSE CORROSION OF SUCH DEVICES.
- 3- THE CONTRACTOR SHALL RECEIVE THE ARCHITECT'S APPROVAL FOR ALL FIRE SPRINKLERS/ESCUTCHEON FINISHES PRIOR TO ORDERING AND INSTALLING DESPITE WHAT IS SPECIFIED IN THESE DOCUMENTS.
- 4- ALL EXPOSED PIPE AND FITTINGS TO OUTSIDE AIR, SALT, CHEMICALS, MOISTURE, AND/OR OTHER CORROSIVE VAPORS SUFFICIENT TO CAUSE CORROSION OF SUCH MATERIALS SHALL BE GALVANIZED PIPE SCH. 40, GALVANIZED FITTINGS, HANG UP WITH STAINLESS STEEL ROD AND HANGERS AND SHALL BE ALL RED PAINTED.
- 5- FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A FLOW TEST PERFORMED BY THE LOCAL AUTHORITY TO ASCERTAIN THE WATER SERVICE REQUIRED FOR THE FIRE SPRINKLER INSTALLATION; THE HYDRAULIC CALCULATIONS SHALL ALLOW FOR A 10% PRESSURE REDUCTION AS A FACTOR OF SAFETY AND COMPLY WITH THE AHJ REQUIREMENTS AND/OR USE PRESSURE AND FLOW CRITERIA PROVIDED BY THE AUTHORITY HAVING JURISDICTION.
- 6- THE CONTRACTOR SHALL CREATE SHOP DRAWINGS AND PERFORM HYDRAULIC CALCULATIONS AS PER NFPA 13, 2007, 8.15.19.2 ACCORDING TO THE RESPECTIVE HAZARD REQUIREMENTS BY OWNER STANDARDS IF ANY AND BY CODE, SHALL SHOW PIPE SIZES, ALL FITTINGS, AND DIMENSIONAL LOCATIONS FOR ALL EXISTING AND NEW FIRE SPRINKLERS, MAINS, BRANCHES, AND EXISTING PIPING FOR THE WATER SUPPLY TO THE CONNECTION OF THE SYSTEM.
- 7- THE FIRE SPRINKLERS SHOWN IN THIS DRAWING ARE A PROPOSED LAYOUT LOCATION ONLY; THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATION AND FINAL LOCATION OF THE FIRE SPRINKLER HEADS (AS PER NFPA 13 AND AHJ); WITH THE RESPECTIVE HAZARD REQUIREMENTS BY CODE AND PIPING FOR FINAL FIRE PROTECTION LAYOUT DOCUMENTS PREPARATION AND FINAL INSTALLATION.
- 8- THE CONTRACTOR SHALL COORDINATE ALL FIRE SPRINKLER WORK WITH ALL OTHER CONSTRUCTION DISCIPLINES INCLUDING BUT NOT LIMITED TO HVAC, PLUMBING, ELECTRICAL, STRUCTURAL AND CIVIL. THE CONTRACTOR SHALL ALSO COORDINATE ANY SPECIAL TESTING REQUIRED BY THE OWNER.

PROPOSED NEW FIRE STATION 50  
 NW 43 AVE.  
 NW 43 AVE & COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA

CPZ ARCHITECTS, INC.  
 416 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE (954) 792-8225 FAX (954) 877-8889  
 AL 0000085 WWW.CPZARCHITECTS.COM



2ND FLOOR  
 FIRE SPRINKLER PLAN NORTH



DRAWING TITLE:  
 FIRE SPRINKLER  
 PLAN 2ND FLOOR

ISSUED FOR PERMIT ONLY		06-11-14
KAMM CONSULTING PROJECT # 2813-001		
PROJECT MANAGER: JOHN MAYL		
1408 Orange Avenue West Palm Beach, Florida 33409 Phone 772.555.1744 Fax 772.555.1745 Email info@kammconsulting.com Website www.kammconsulting.com Certification of Authorization #6189		
PRINCIPAL	Florida License #28232	date
Stacy L. Brown		_____

DRAWN -  
 CHECKED CPZ  
 DATE -  
 SCALE AS NOTED  
 PROJECT NO. 1220B  
 SHEET:

FS2.2





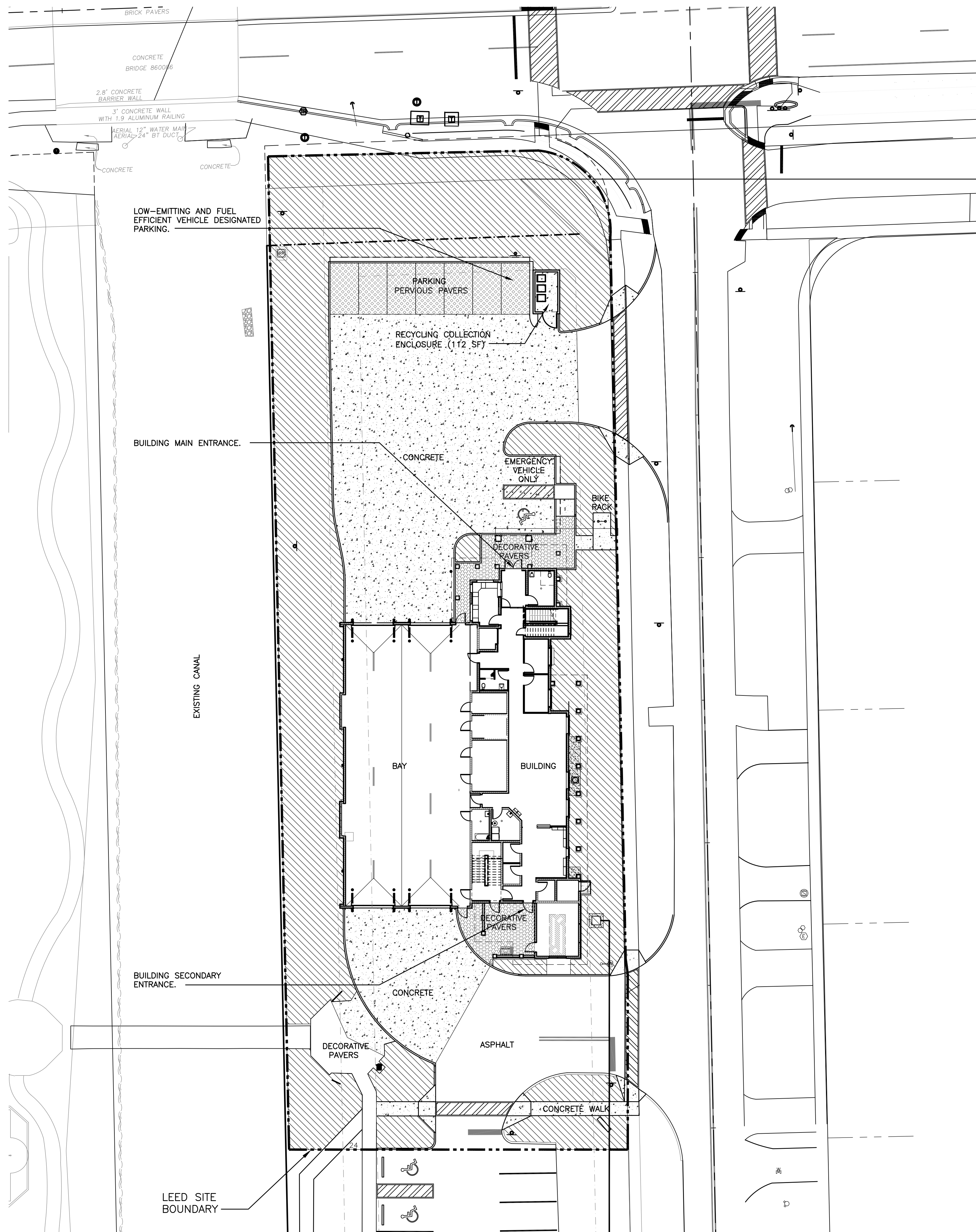
LEED SITE AREA = 41,578 SF

**LEGEND:**

INDICATES VEGETATED OPEN SPACE.

INDICATES NEW CONCRETE

NO.	REVISION	DATE
CONST	ISSUE	11-03-14
CONSULTANT:		



LEED SITE PLAN

SCALE: 1" = 20'-0"

LEED REGISTERED PROJECT  
**CPZ ARCHITECTS, INC.**  
 FIRE STATION 50  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066



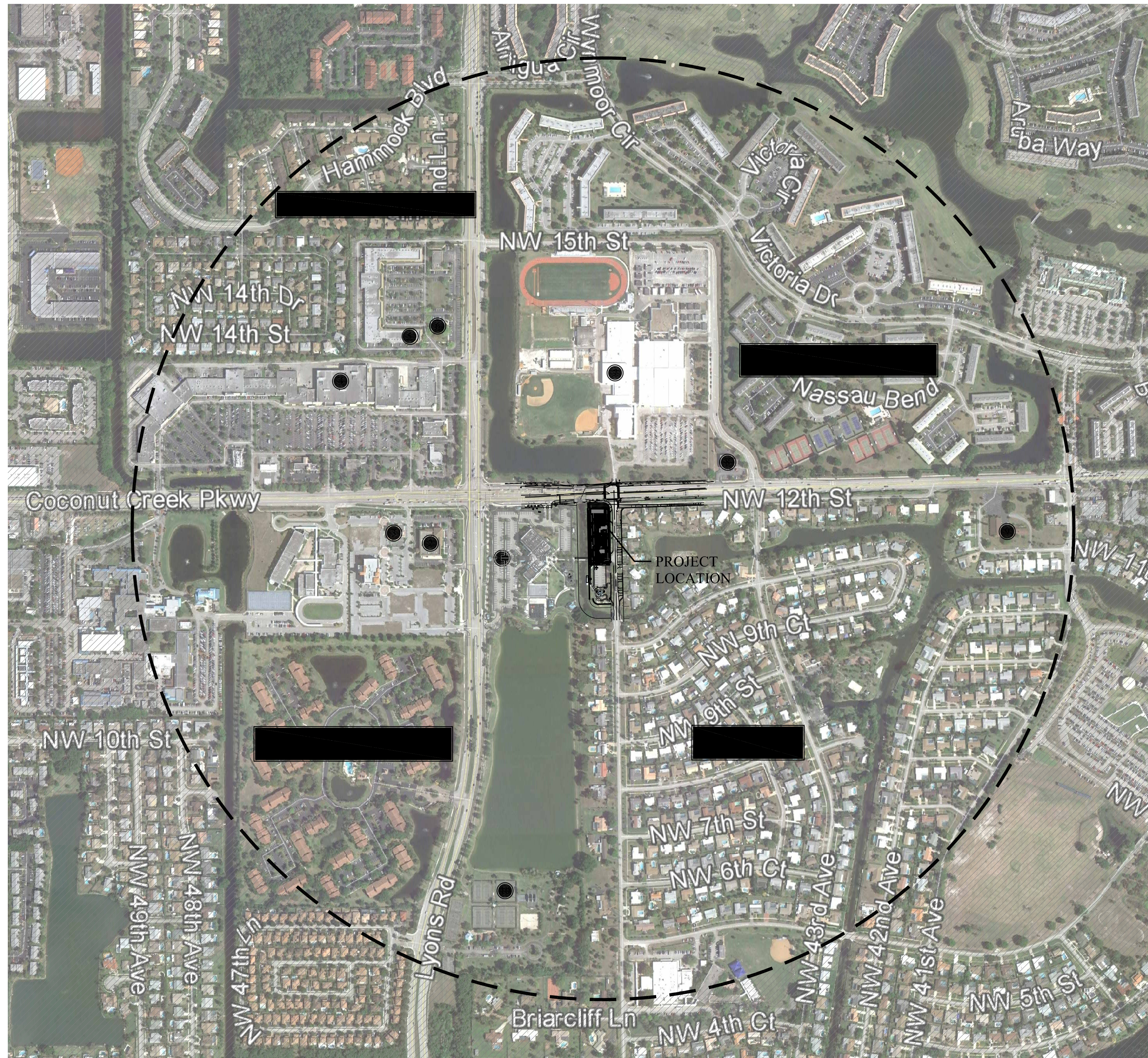
DRAWING TITLE:  
LEED SITE PLAN

DRAWN	CG
CHECKED	CPZ
DATE	04-10-14
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

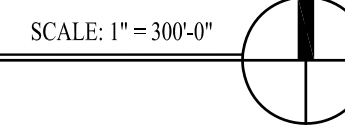
**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

PI F4

DATE:

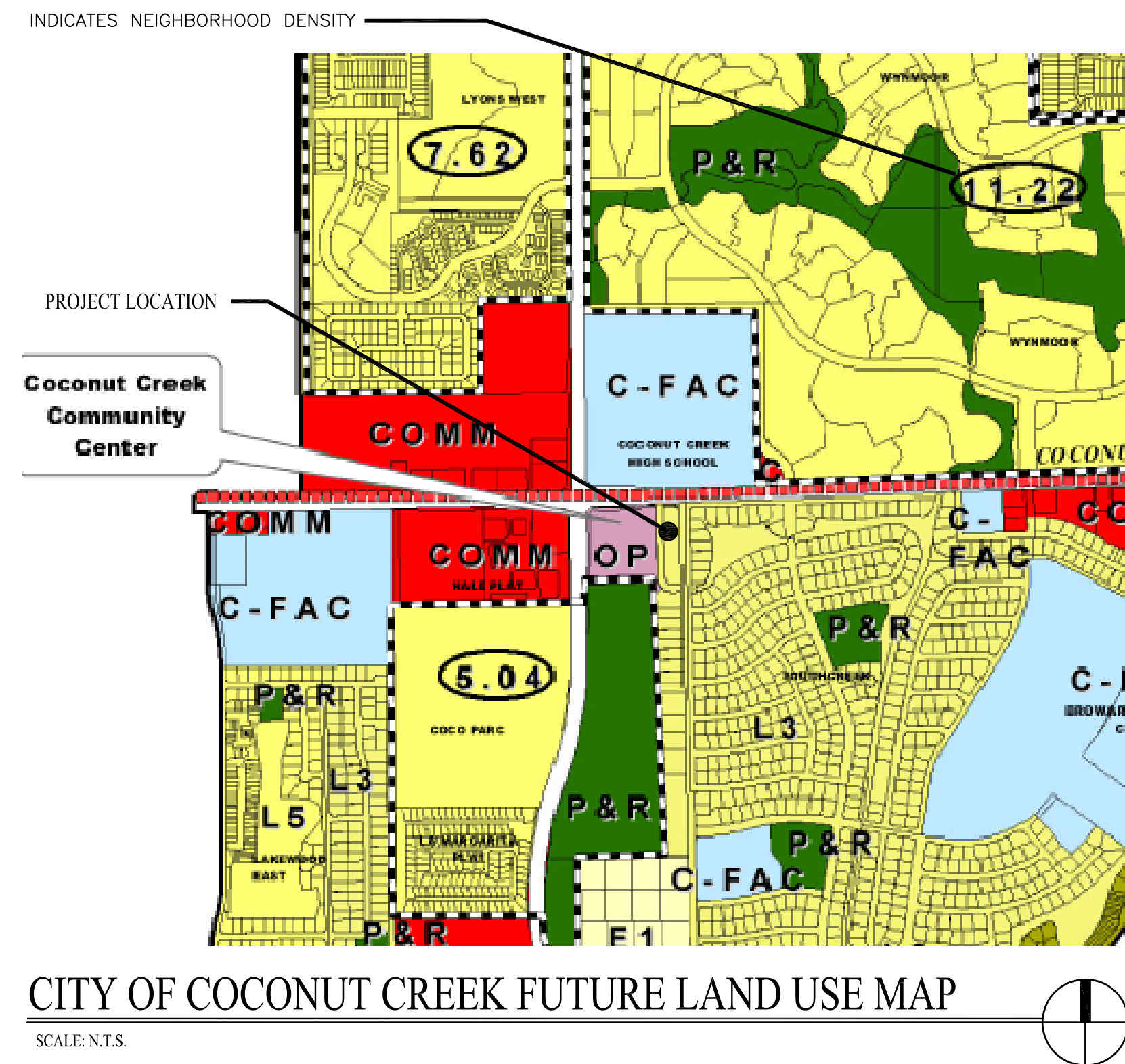


SS 2 - DEVELOPMENT DENSITY & COMMUNITY CONNECTIVITY - OPTION 2: COMMUNITY CONNECTIVITY- SITE PLAN



**LEGEND:**

SERVICE IDENTIFICATION	BUSINESS NAME	SERVICE TYPE
1	COCONUT CREEK COMMUNITY CENTER	COMMUNITY CENTER
2	WALGREENS PHARMACY	PHARMACY
3	REGIONS BANK	BANK
4	PUBLIX SUPERMARKET	SUPERMARKET
5	BEST DISCOUNT DRY CLEANERS	DRY CLEANERS
6	MCCI MEDICAL GROUP LYONS: FAMILY PRACTICE PHYSICIAN	MEDICAL OFFICE
7	COCONUT CREEK HIGH SCHOOL	SCHOOL
8	BELLA ROMA ITALIAN RESTAURANT & PIZZERIA	RESTAURANT
9	CALVARY PRESBYTERIAN CHURCH	PLACE OF WORSHIP
10	WINDMILL PARK	PARK



NO.	REVISION	DATE
CONST	ISSUE	11-03-14

CONSULTANT:

LEED REGISTERED PROJECT  
 FIRE STATION 50  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
 451 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0539  
 AA #2600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

SITE PLAN - SS CR2  
 COMMUNITY  
 CONNECTIVITY

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

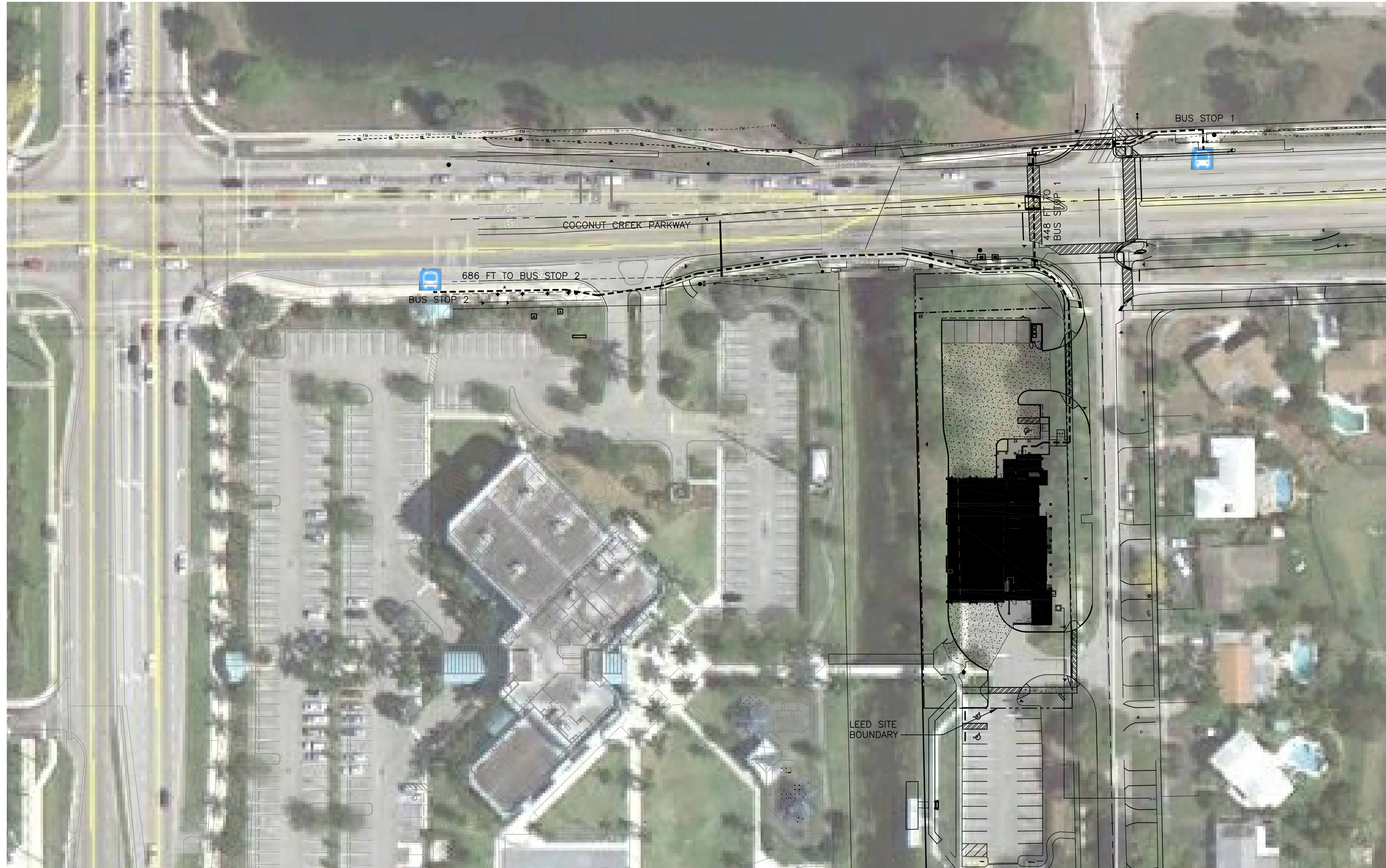
CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

SS 2

DATE:

NO. REVISION	DATE
CONST	11-03-14
ISSUE	

CONSULTANT:



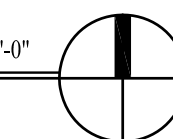
BUS ROUTES FOR STATIONS 1 AND 2 ON COCONUT CREEK PARKWAY  
PER BROWARD COUNTY BUS ROUTE DATA

ROUTE 31 - 5:47 PM AND 6:16 PM

ROUTE 60 - 5:37 PM AND 6:00 PM

SS 4.1 - ALTERNATIVE TRANSPORTATION: PUBLIC TRANSPORTATION ACCESS - OPTION 2: BUS STOP PROXIMITY

SCALE: 1" = 40'-0"



CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 10,995  
STATE OF FLORIDA

DATE:

LEED REGISTERED PROJECT  
FIRE STATION 50  
4500 COCONUT CREEK PARKWAY  
COCONUT CREEK, FLORIDA 33066

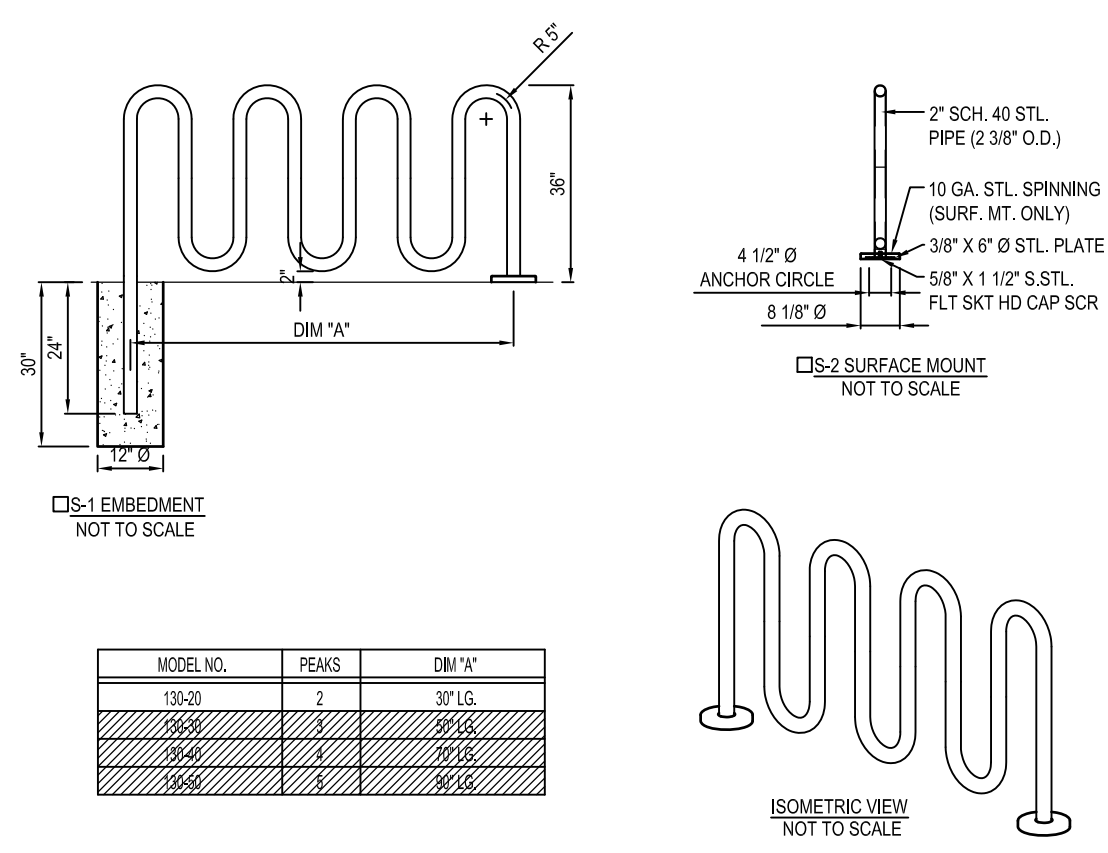
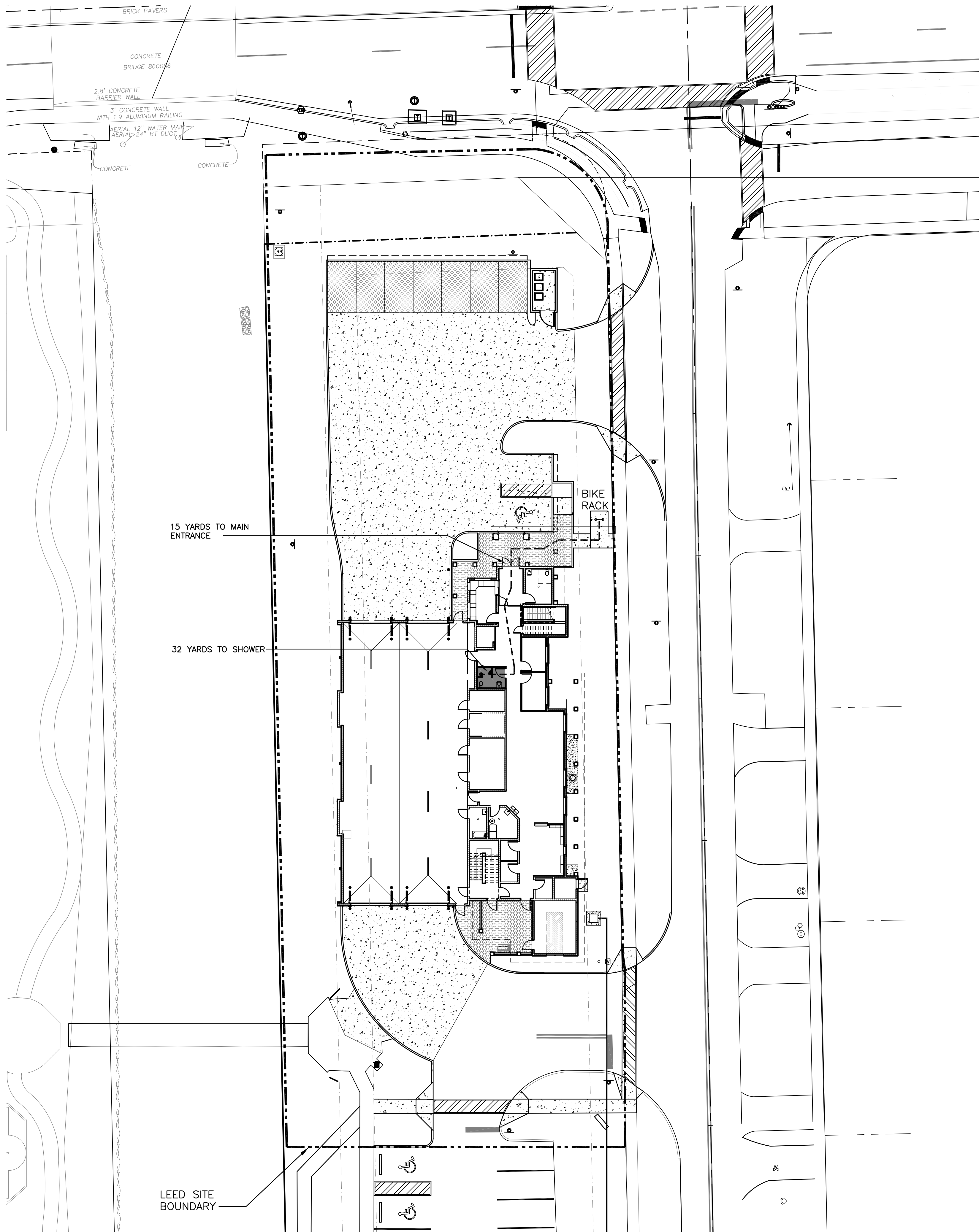
CPZ ARCHITECTS, INC.  
451 WEST BROWARD BOULEVARD  
PLANTATION, FLORIDA 33311  
PHONE: (954) 792-8525 FAX: (954) 337-0359  
AA #2600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
SITE PLAN - SS CR4.1  
PUBLIC TRANSPORTATION  
ACCESS

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

SS 4.1



MODEL NO.	PEAKS	DM 'W'
130-20	2	37' 10"
130-22	2	39' 10"
130-24	2	41' 10"
130-26	2	43' 10"

- SELECT DESIRED FINISH OPTION
- COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- HOT DIPPED GALVANIZED.

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWINGS.
  3. 1/2" X 3/34" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTION S-2.
  4. CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT [www.CADdetail.com/info](http://www.CADdetail.com/info) REFERENCE NUMBER 017-283.



FTE CALCULATION:

FULL TIME FTE	=	10
STUDENTS/VISITORS	=	0
TRANSIENT	=	0
<b>TOTAL FTE:</b>	<b>=</b>	<b>10</b>

**REQUIRED BIKE RACK CAPACITY:**  
 5% of PEAK = 0.05 X 10 (FTE) ≈ 1 TOTAL CAPACITY  
 BIKE RACK REQUIRED PROVIDED= (1) BIKE RACK WITH 5 BIKES CAPACITY WITHIN 200 YARDS FROM A MAIN BUILDING ENTRANCE.

**REQUIRED SHOWER/LOCKER ROOM COUNT:**  
 .5% of FTE = 0.005 X 10 OCCUPANTS ≈ 1 REQUIRED  
 PROVIDED= (1) SHOWER AT GROUND FLOOR AND (3) AT SECOND FLOOR.

**LEGEND:**

- INDICATES COMMON SHOWER AND CHANGING ROOM
- INDICATES PATH OF TRAVEL FROM BIKE RACK

**NOTES:**

1. BIKE RACK SHALL BE DUMOR 130-20 SERIES (5 BIKES CAPACITY) STEEL BIKE RACK INSTALLED AT LOCATION SHOWN. CONTRACTOR TO INSTALL PER MANUFACTURER'S SPECIFICATIONS.

NO.	REVISION	DATE
CONST	ISSUE	11-03-14

LEED REGISTERED PROJECT  
 FIRE STATION 50  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
 431 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA #26006683 WWW.CPZARCHITECTS.COM



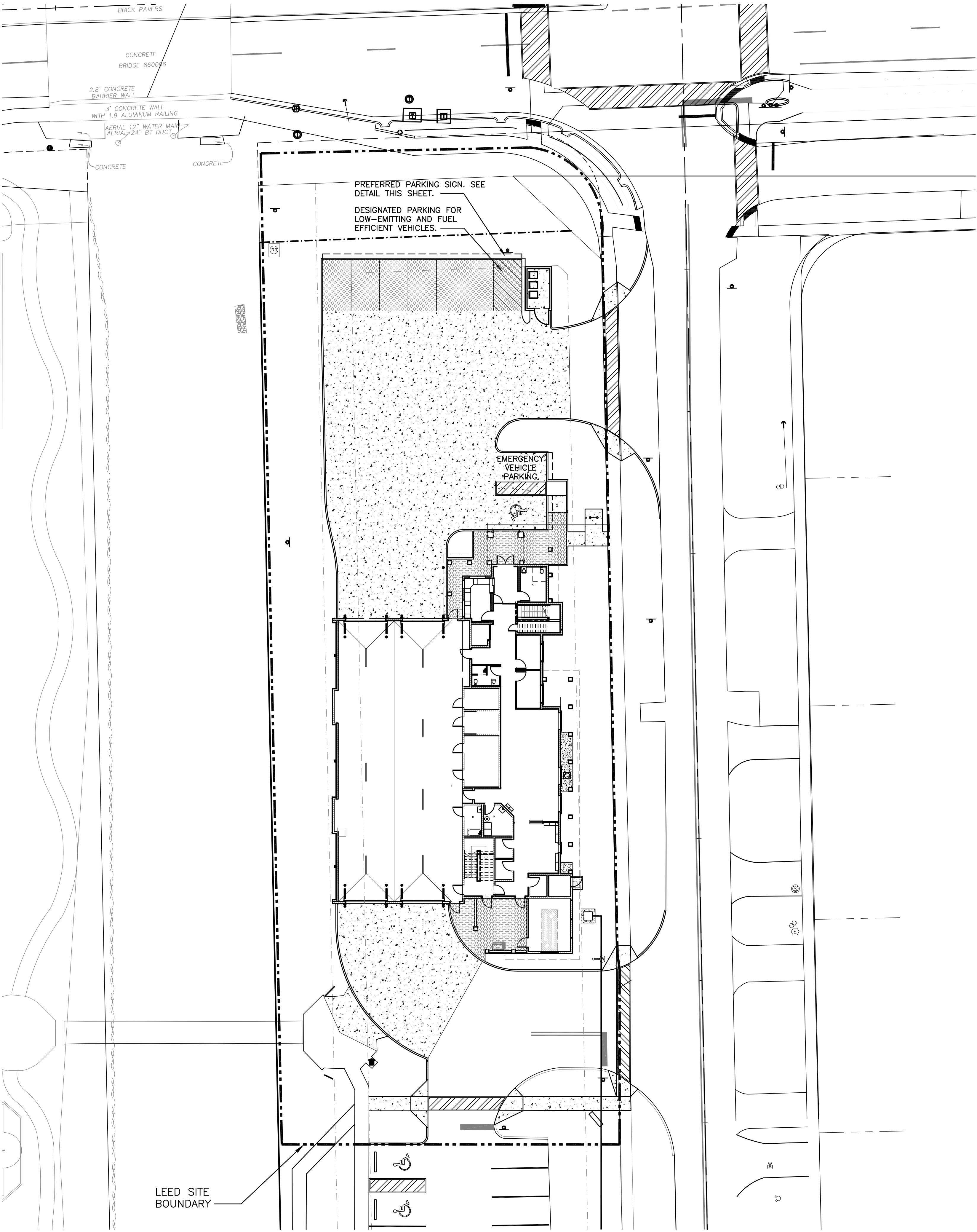
DRAWING TITLE:  
 SITE PLAN - SS CR4.2  
 BICYCLE STORAGE AND  
 CHANGING ROOMS

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

SS 4.2

DATE: \_\_\_\_\_



SS 4.3 - ALTERNATIVE TRANSPORTATION: LOW EMITTING AND FUEL EFFICIENT VEHICLES

SCALE: 1" = 20'-0"

PREFERRED PARKING SPACES FOR LOW-EMITTING / FUEL EFFICIENT VEHICLE CALCULATIONS:

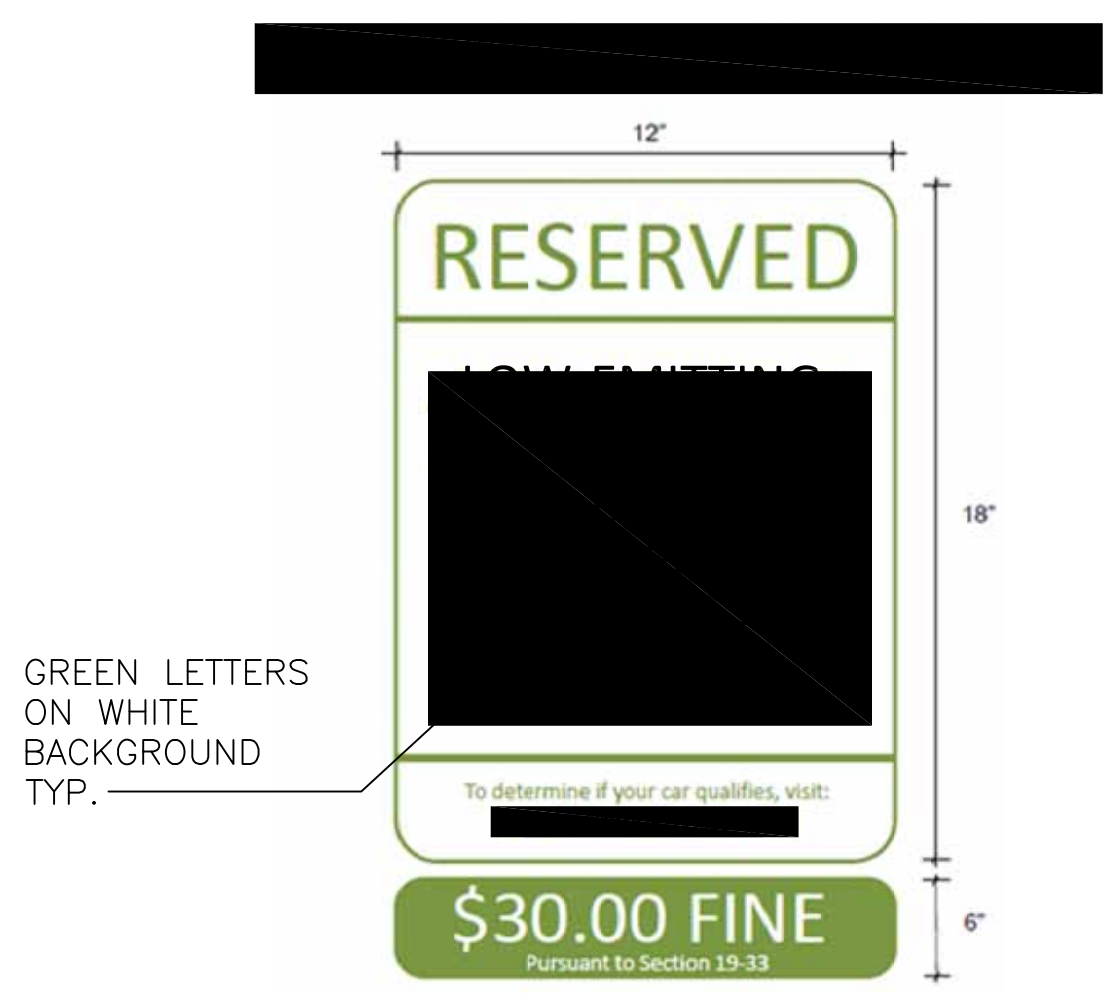
TOTAL PARKING = 9  
 REQUIRED 5% OF TOTAL PARKING = 0.05 X 9 = 1  
 No. OF PREFERRED PARKING SPACES PROVIDED = 1

**LEGEND:**

INDICATES PREFERRED PARKING AREA FOR LOW-EMITTING AND FUEL EFFICIENT VEHICLES.

NO.	REVISION	DATE
CONST	ISSUE	11-03-14

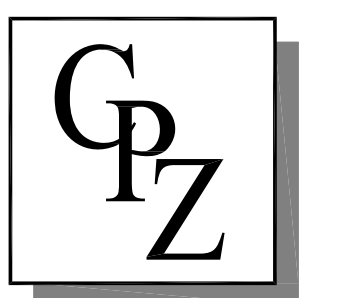
CONSULTANT:



CITY OF COCONUT CREEK PREFERRED PARKING SIGN FOR LOW-EMISSION AND FUEL EFFICIENT VEHICLE DETAIL

SCALE: N.T.S.  
 NOTE: LEV PREFERRED PARKING SIGN WILL BE PROVIDED AND INSTALLED BY THE CITY OF COCONUT CREEK.

**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066  
  
**CPZ ARCHITECTS, INC.**  
 451 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA #2600685 WWW.CPZARCHITECTS.COM



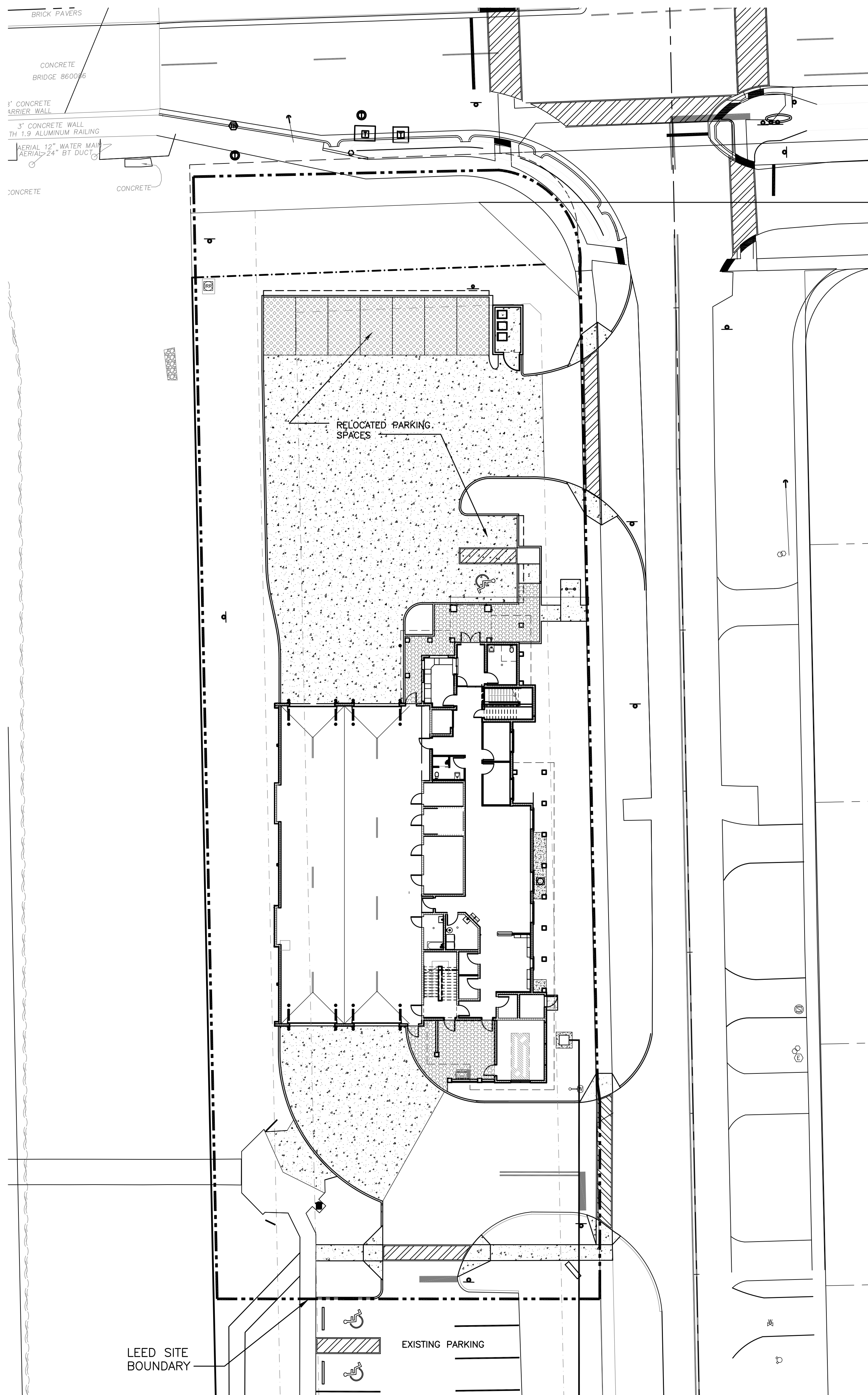
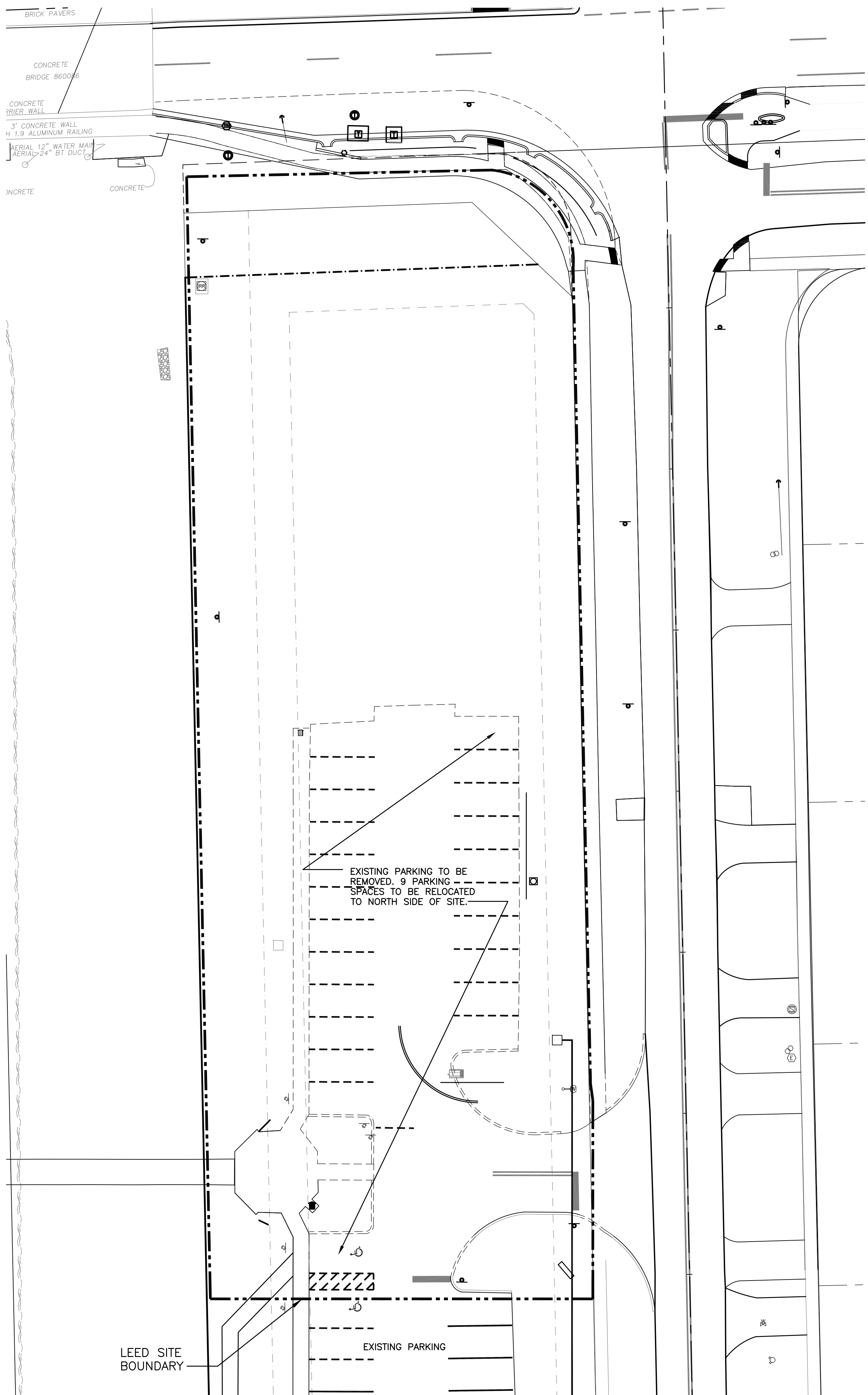
DRAWING TITLE:  
 SITE PLAN - SS CR4.3  
 LOW-EMITTING & FUEL  
 EFFICIENT VEHICLES

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

SS 4.3

DATE:



**PARKING CAPACITY:**

No. OF EXISTING PARKING SPACES IN LEED SITE:	23
No. OF PARKING SPACES TO BE REMOVED:	14
No. OF PARKING SPACES TO BE RELOCATED TO NORTH SIDE OF SITE:	9
No. OF NEW PARKING SPACES:	0

NO. REVISION	DATE
CONST	11-03-14
ISSUE	
CONSULTANT:	

SS 4.4 - ALTERNATIVE TRANSPORTATION: PARKING CAPACITY - OPTION 3: NO NEW PARKING - SITE DEMOLITION PLAN  
 SCALE: 1" = 20'-0"

SS 4.4 - ALTERNATIVE TRANSPORTATION: PARKING CAPACITY - OPTION 3: NO NEW PARKING - PROPOSED NEW SITE PLAN  
 SCALE: 1" = 20'-0"

**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
451 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 752-8525 FAX: (954) 337-0359  
 AA #26000683 WWW.CPZARCHITECTS.COM



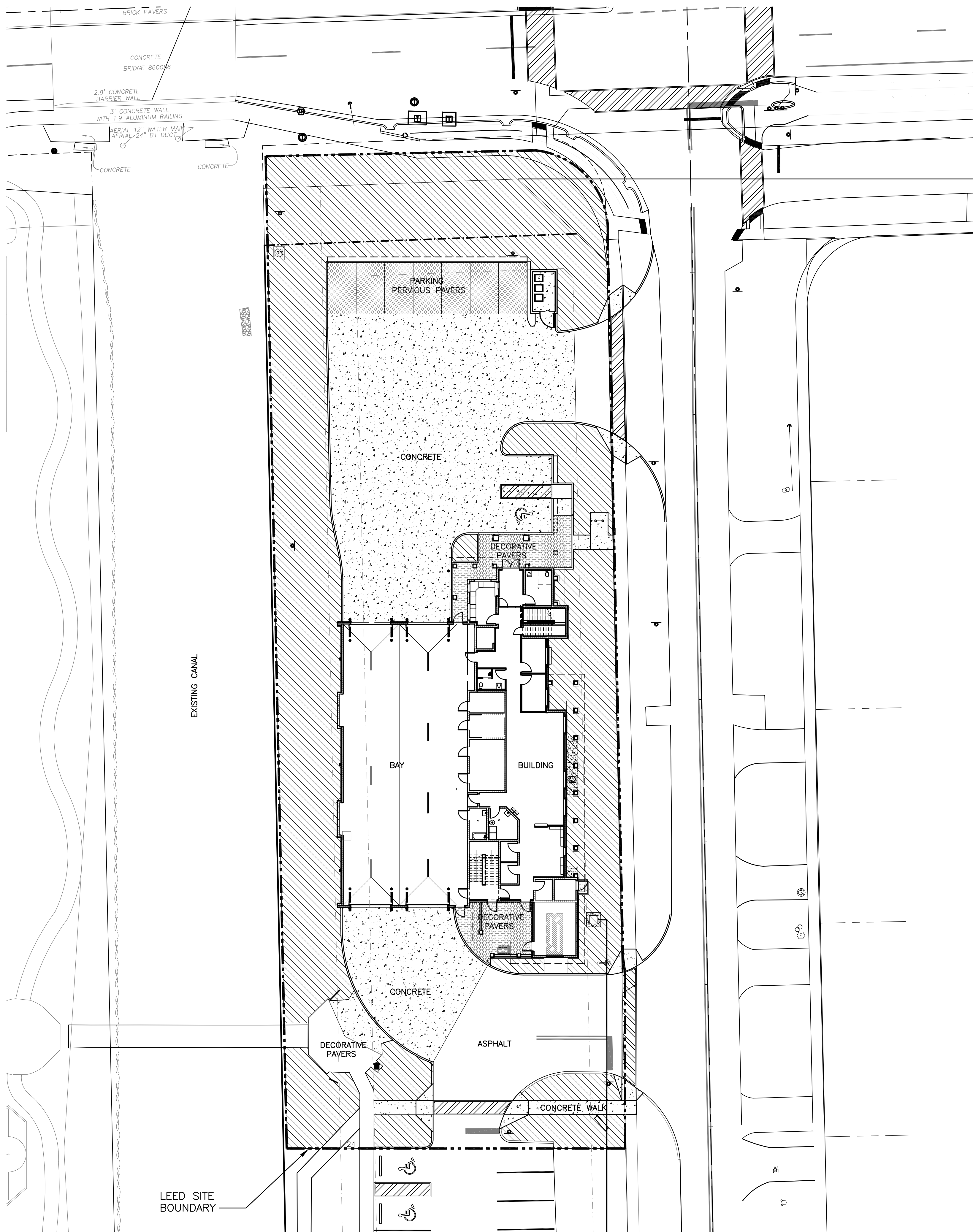
**DRAWING TITLE:**  
 SITE PLAN - SS CR4.4  
 PARKING CAPACITY

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

**SS 4.4**

DATE: \_\_\_\_\_



OPEN SPACE CALCULATIONS:

LEED SITE AREA = 41,578 SF

LOCAL ZONING OPEN SPACE REQUIREMENT (PER CITY OF COCONUT CREEK, FL CODE OF ORDINANCES SEC. 13-354 CF COMMUNITY FACILITY DISTRICT):  
 10% OF LOT AREA =  $0.1 \times 41,578 = 4,157.8$  SF

VEGETATED OPEN SPACE PROVIDED = 15,938 SF

PERCENTAGE GREATER THAN ZONING REQUIREMENT = 28.3%

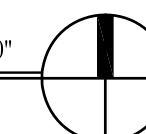
**LEGEND:**

INDICATES VEGETATED OPEN SPACE.

NO. REVISION	DATE
CONST ISSUE	11-03-14
CONSULTANT:	

SS 5.2 - SITE DEVELOPMENT: MAXIMIZE OPEN SPACE - CASE 1

SCALE: 1" = 20'-0"



**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066

**CPZ ARCHITECTS, INC.**  
 451 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33137  
 PHONE: (954) 792-8525 FAX: (954) 337-0599  
 AA #26000685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
 SITE PLAN - SS CR5.2  
 SITE DEVELOPMENT  
 MAX. OPEN SPACE

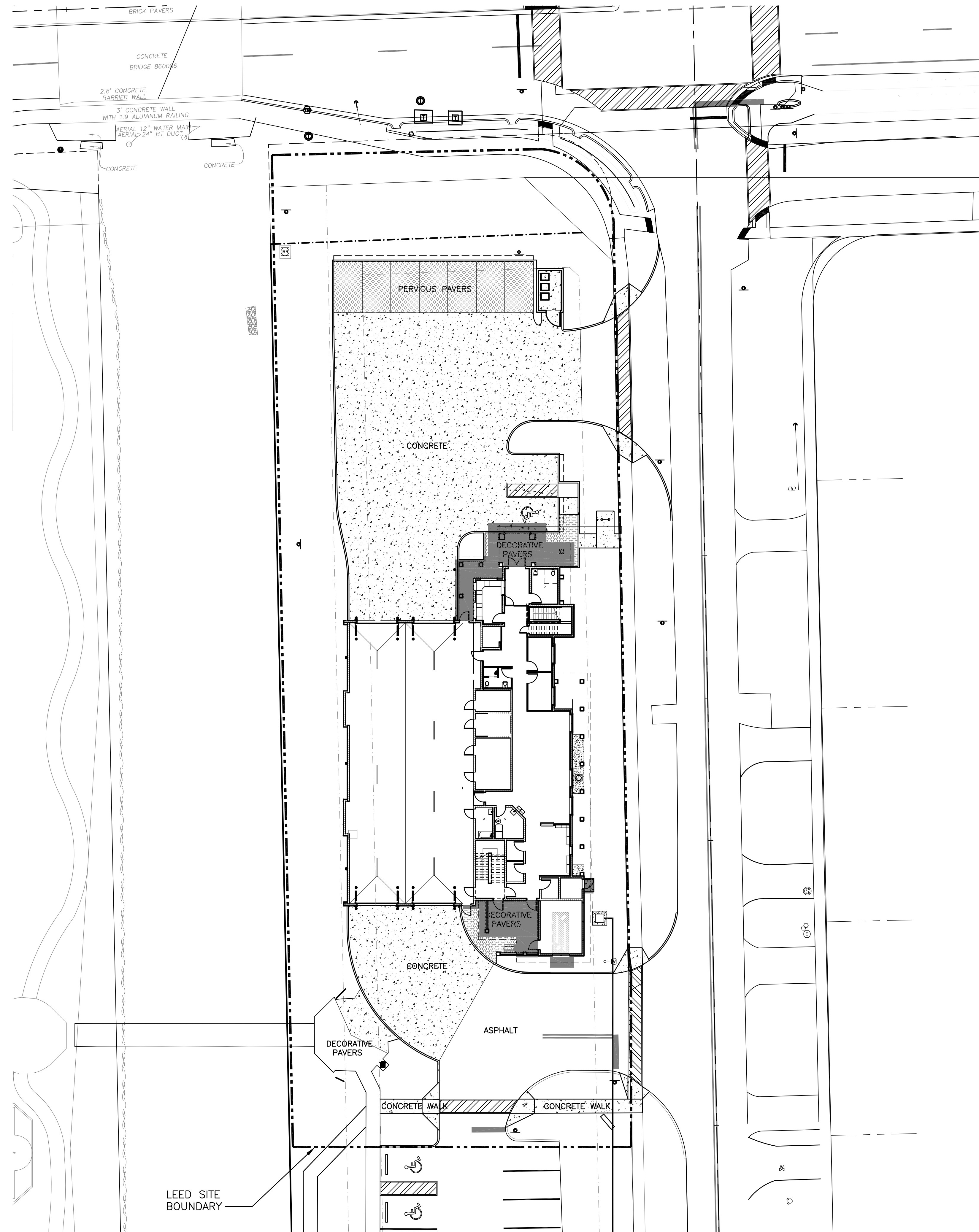
DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

SS 5.2

DATE: \_\_\_\_\_





HEAT ISLAND EFFECT – NONROOF CALCULATIONS

QUALIFYING SURFACES	DESCRIPTION	AREA (SF)
T	TOTAL HARDSCAPE WITHIN LEED BOUNDARY	15,077
A	SHADED HARDSCAPE (SHADE PROVIDED BY ARCHITECTURAL ROOF OVERHANGS WITH MATERIAL SRI = 53.1)	941
R	NEW CONCRETE (NON-SHADED) – SRI = 35	9,769

Q = TOTAL QUALIFYING SURFACES  
 Q = R + A = 941 SF + 9769 SF = 10,710 SF -----> 71% OF TOTAL HARDSCAPE WITHIN LEED BOUNDARY

LEGEND:

- INDICATES NEW CONCRETE
- INDICATES SHADED HARDSCAPE AREAS

NO. REVISION	DATE
CONST ISSUE	11-03-14
CONSULTANT:	

SS 7.1 - HEAT ISLAND EFFECT: NON-ROOF - OPTION 1

SCALE: 1" = 20'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066  
  
**CPZ ARCHITECTS, INC.**  
 451 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA #2600685 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
 SITE PLAN – SS CR7.1  
 HEAT ISLAND EFFECT:  
 NON-ROOF – OPTION 1

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

SS 7.1

DATE:

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014



**LEGEND:**

- INDICATES MAIN STAIR
- INDICATES PRINCIPAL PATH OF TRAVEL
- INDICATES RECREATION SPACE PROVIDED TO OCCUPANTS.

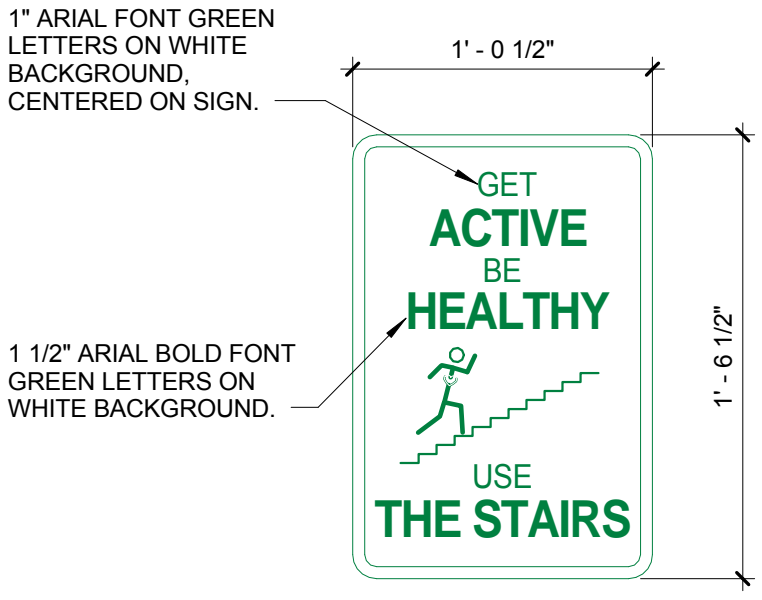
**FTE & EXERCISE EQUIPMENT CALCULATIONS:**

TOTAL FTE OCCUPANTS = 10

5% OF TOTAL FTEs = 0.5 OCCUPANTS

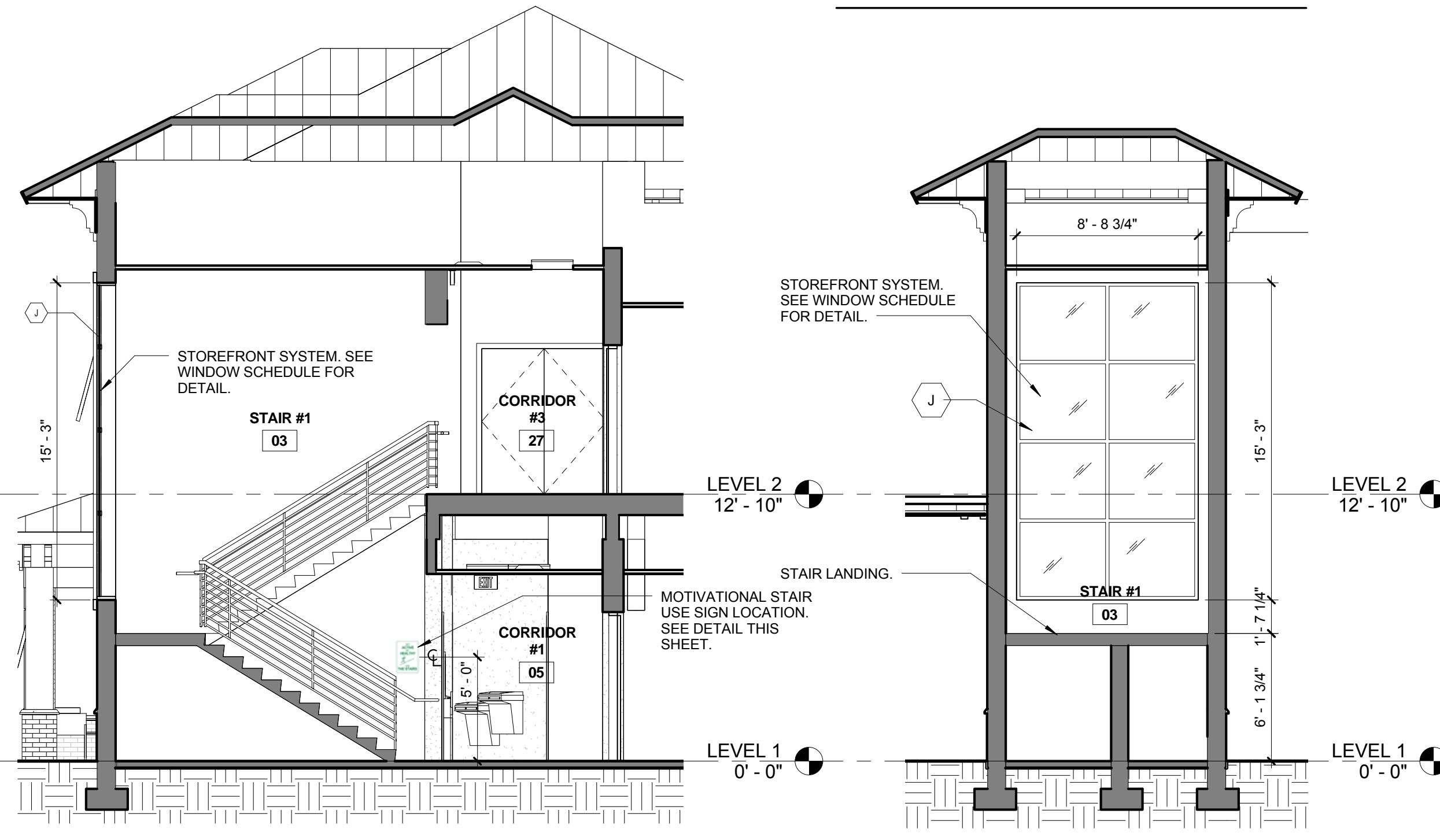
EXERCISE EQUIPMENT PROVIDED AT GYM ROOM FOR 50% OF FTE OCCUPANTS.

EXERCISE EQUIPMENT PROVIDED:  
1 TREADMILL, 1 EXERCISE BIKE, 1 PECTORAL FLY EXERCISE MACHINE, AND 1 DUMBBELL RACK.

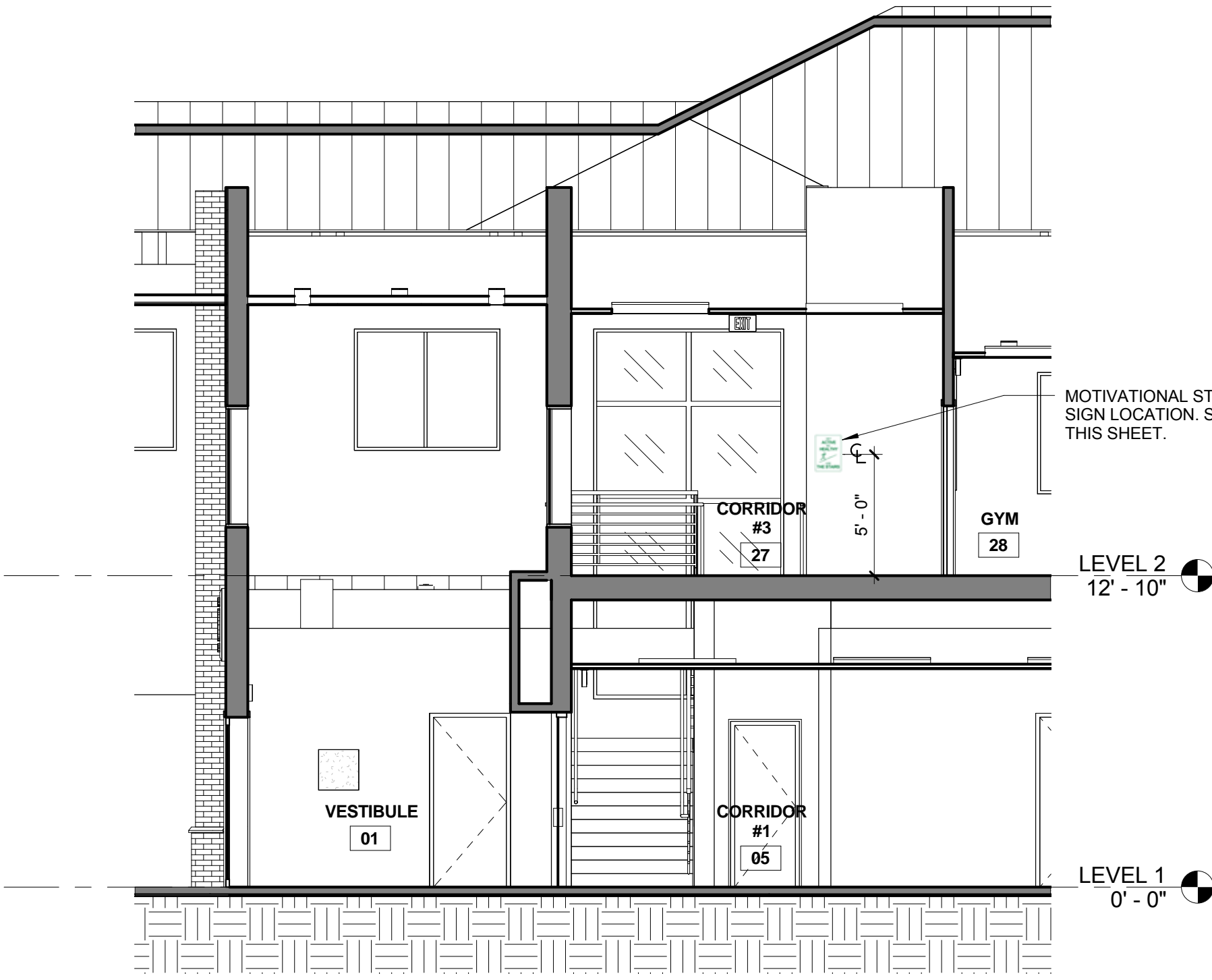


NOTE: SIGN TO BE MOUNTED AT ELEVATOR AND STAIR #1 AT BOTH FLOORS AS INDICATED ON PLAN. MOUNTING HEIGHT TO BE 5'-0" A.F.F TO CENTER LINE OF SIGN. ALL SIGN CORNERS TO HAVE 1" RADIUS.

**MOTIVATIONAL STAIR USE SIGN DETAIL - TYP.**



1 MAIN STAIR DIAGRAM SCALE: 3/16" = 1'-0"  
2 MAIN STAIR DIAGRAM SCALE: 3/16" = 1'-0"



3 MAIN STAIR SECTION SCALE: 3/16" = 1'-0"

**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066  
**CPZ ARCHITECTS, INC.**  
 4316 WESTBROOK BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 952-5253 FAX: (954) 337-0359  
 AN 15200668 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
Main Stair Plans & Diagrams - Pilot Credit Design for Active Occupants

DRAWN: CG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: As Indicated  
PROJECT NO. 1220D  
SHEET:

**CHRIS P. ZIMMERMAN, A.I.A.**  
REGISTERED ARCHITECT NO. 10395  
STATE OF FLORIDA

**EQpc78**

C:\Users\pzimmerman\Documents\95171220D\_03\_S2\_Construction Itak\_CENTRAL\_CPZ21.dwg 11/4/2014 8:37:47 AM

DATE:


NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
1	ISSUE SET	07-25-2014
1	LEED REV #1	10-08-14


CONSULTANT:

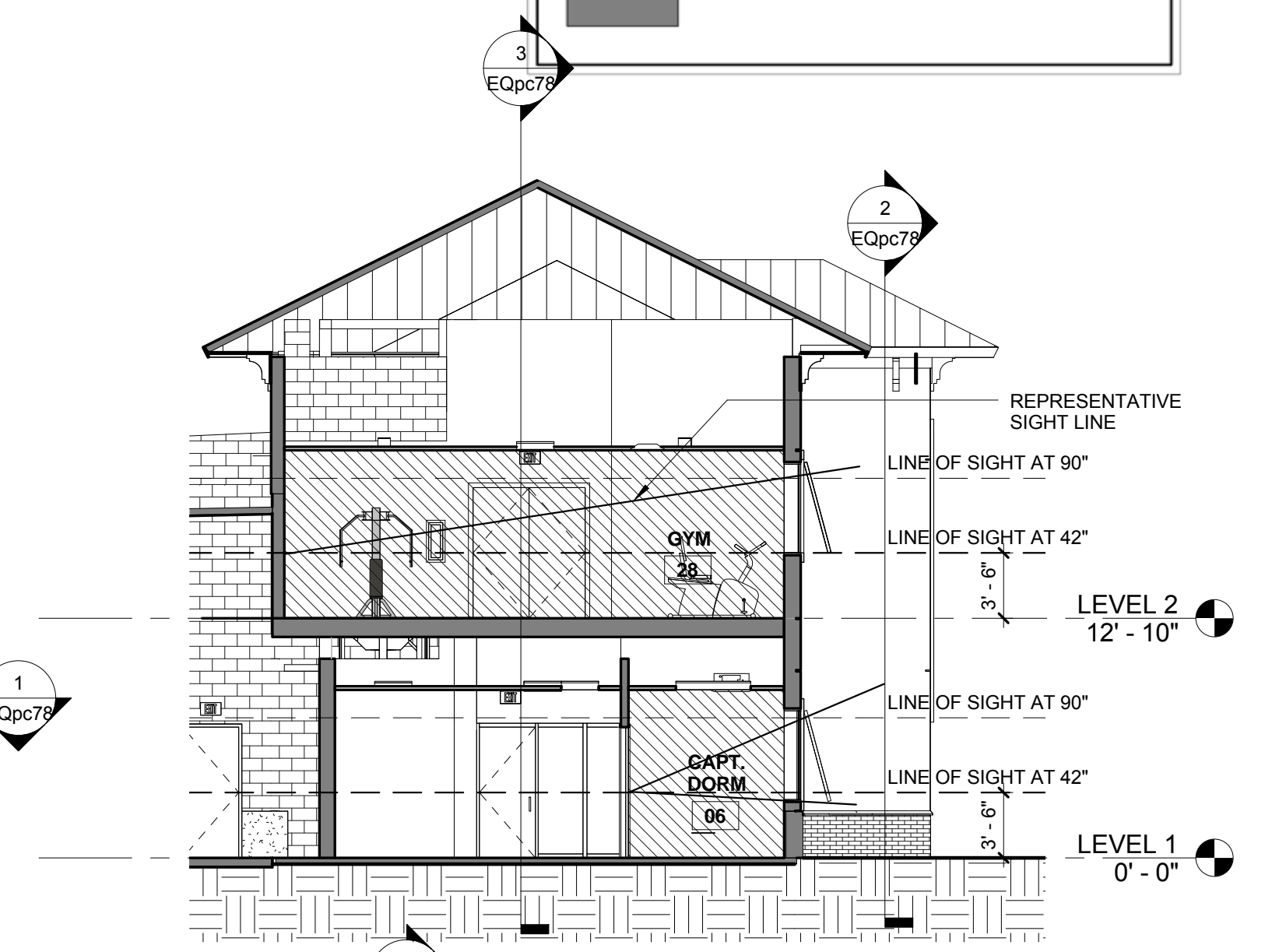
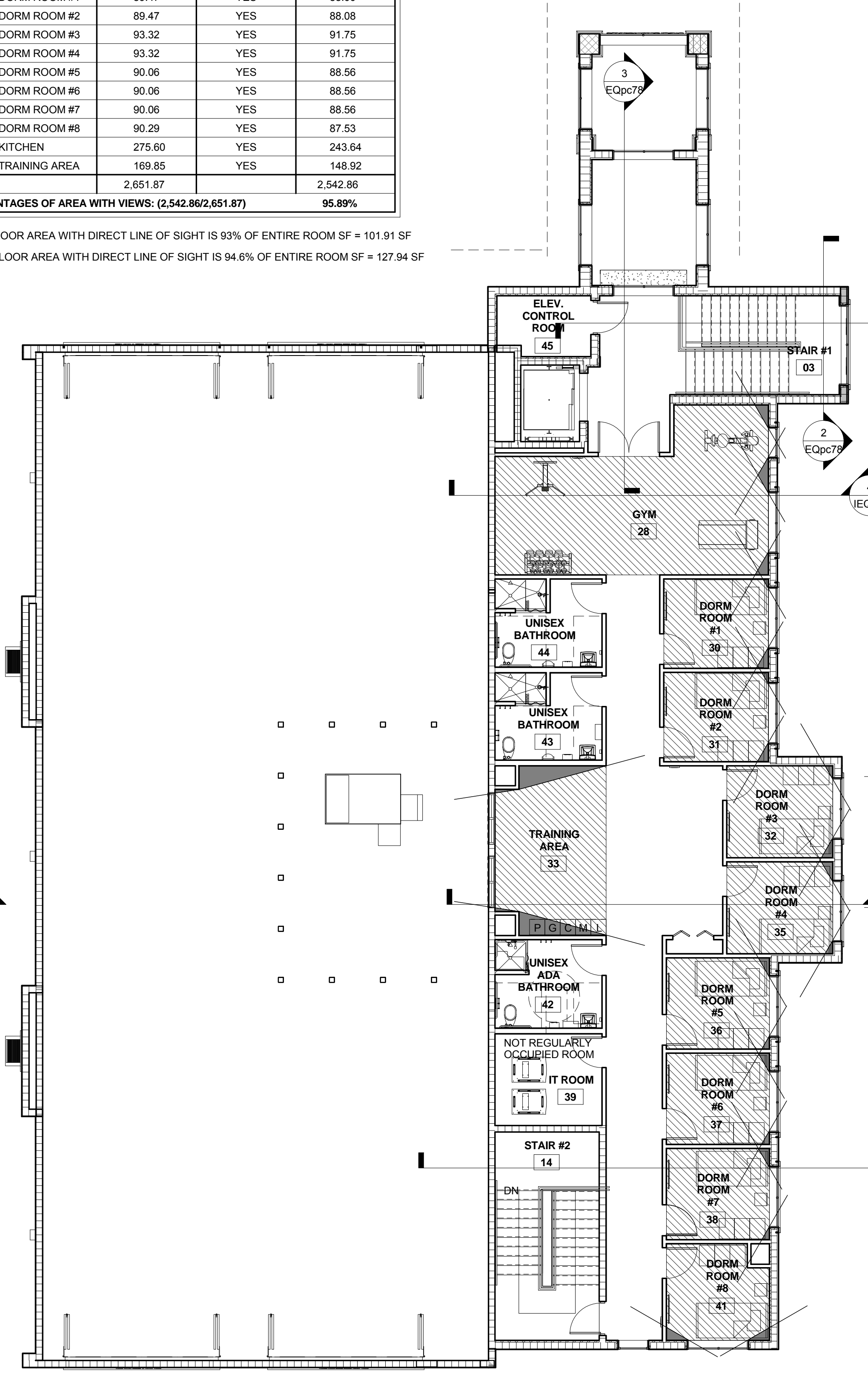
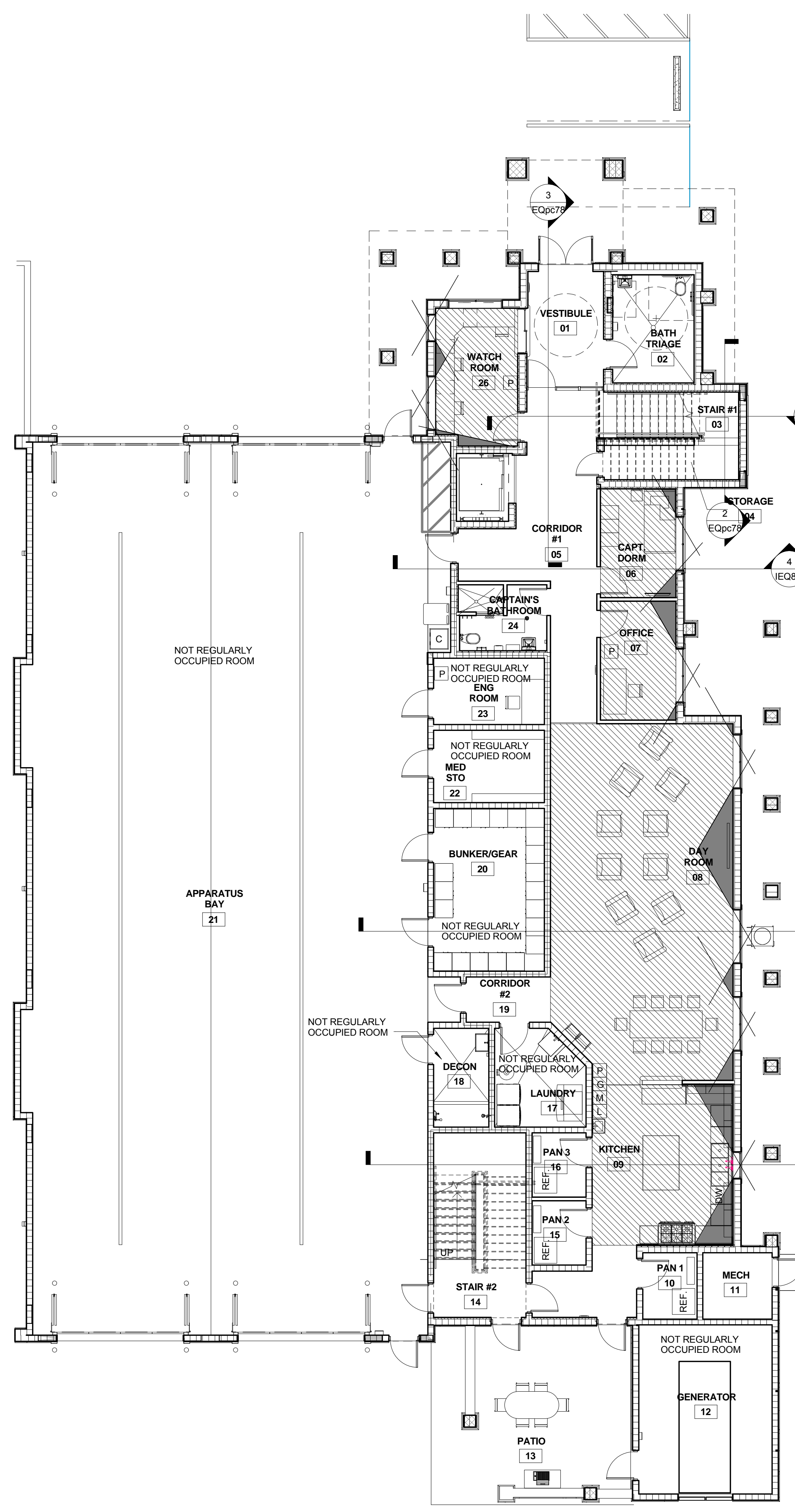
LEED IEQ CR 8.2 CALCULATIONS				
ROOM No.	DESCRIPTION	ROOM FLOOR AREA (SF)	HORIZONTAL VIEW AT 42°	AREA WITH VIEWS (SF)
06	CAPTAIN ROOM	100	YES	94.34
07	OFFICE	109.55	YES	109.55 *
08	DAY ROOM	778.55	YES	746.13
26	WATCH ROOM	135.24	YES	135.24**
28	GYM	357.03	YES	352.25
30	DORM ROOM #1	89.47	YES	88.00
31	DORM ROOM #2	89.47	YES	88.08
32	DORM ROOM #3	93.32	YES	91.75
35	DORM ROOM #4	93.32	YES	91.75
36	DORM ROOM #5	90.06	YES	88.56
37	DORM ROOM #6	90.06	YES	88.56
38	DORM ROOM #7	90.06	YES	88.56
41	DORM ROOM #8	90.29	YES	87.53
09	KITCHEN	275.60	YES	243.64
33	TRAINING AREA	169.85	YES	148.92
<b>TOTAL</b>		<b>2,651.87</b>		<b>2,542.86</b>
<b>PERCENTAGES OF AREA WITH VIEWS: (2,542.86/2,651.87)</b>				<b>95.89%</b>

\* OFFICE FLOOR AREA WITH DIRECT LINE OF SIGHT IS 93% OF ENTIRE ROOM SF = 101.91 SF  
 \*\* OFFICE FLOOR AREA WITH DIRECT LINE OF SIGHT IS 94.6% OF ENTIRE ROOM SF = 127.94 SF

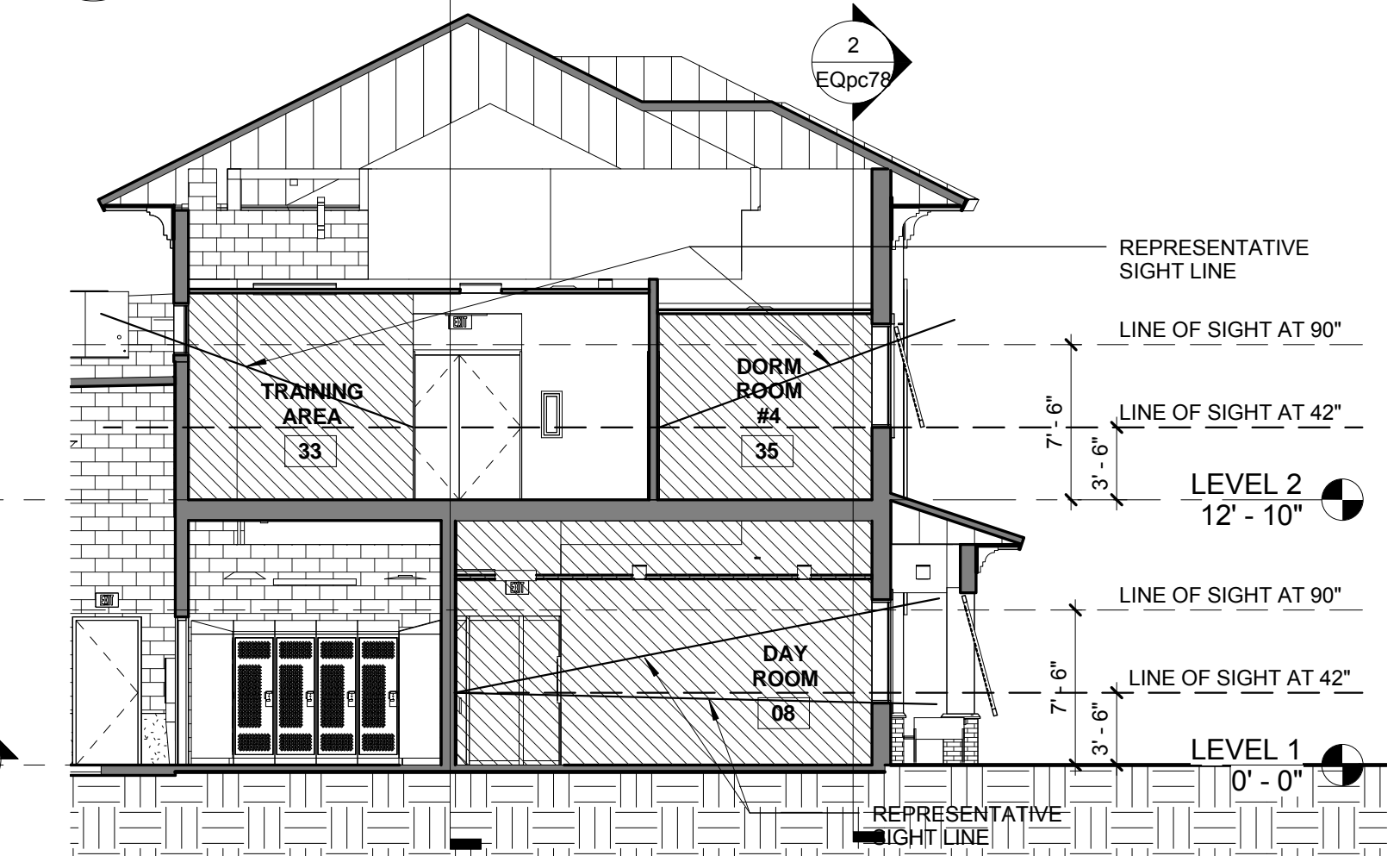
**LEGEND:**

 INDICATES AREA WITH VIEWS

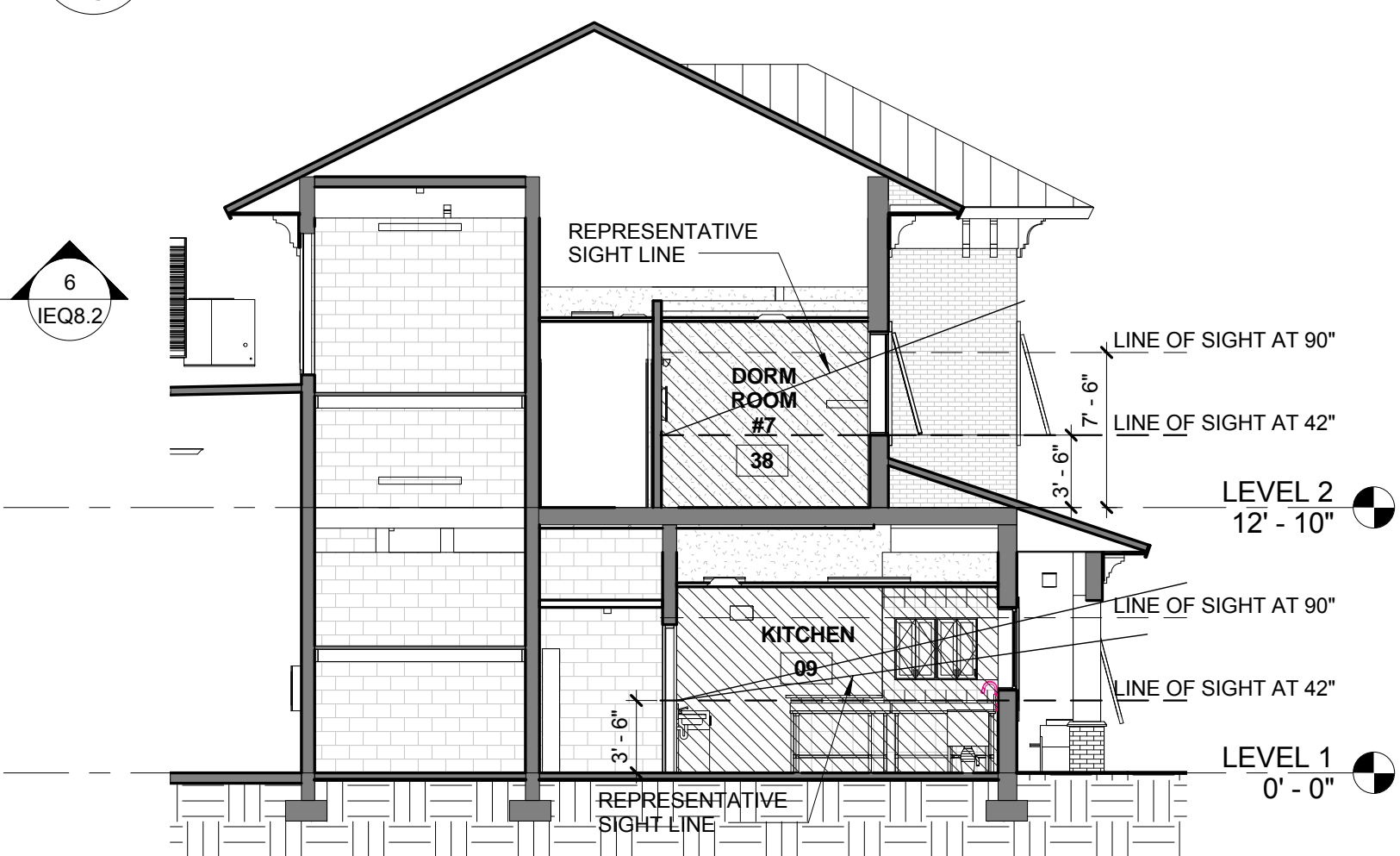
 INDICATES AREA WITH NO VIEWS



**SECTION 4 CAPTAIN RM AND GYM**  
 SCALE: 1/8" = 1'-0"



**SECTION 5 DAY RM & TYP. DORM RM**  
 SCALE: 1/8" = 1'-0"



**SECTION 6 KITCHEN & DORM RM**  
 SCALE: 1/8" = 1'-0"

**FIRST FLOOR VIEWS PLAN**  
 SCALE: 1/8" = 1'-0"

**SECOND FLOOR VIEWS PLAN**  
 SCALE: 1/8" = 1'-0"

**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
**CPZ ARCHITECTS, INC.**  
 4316 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8233 FAX: (954) 337-0359  
 AN 15200686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Views Plan & Sections  
 IEQ CR 8.2 Views

DRAWN: CG  
 CHECKED: CPZ  
 DATE: 07-25-2014  
 SCALE: 1/8" = 1'-0"  
 PROJECT NO. 12200  
 SHEET:

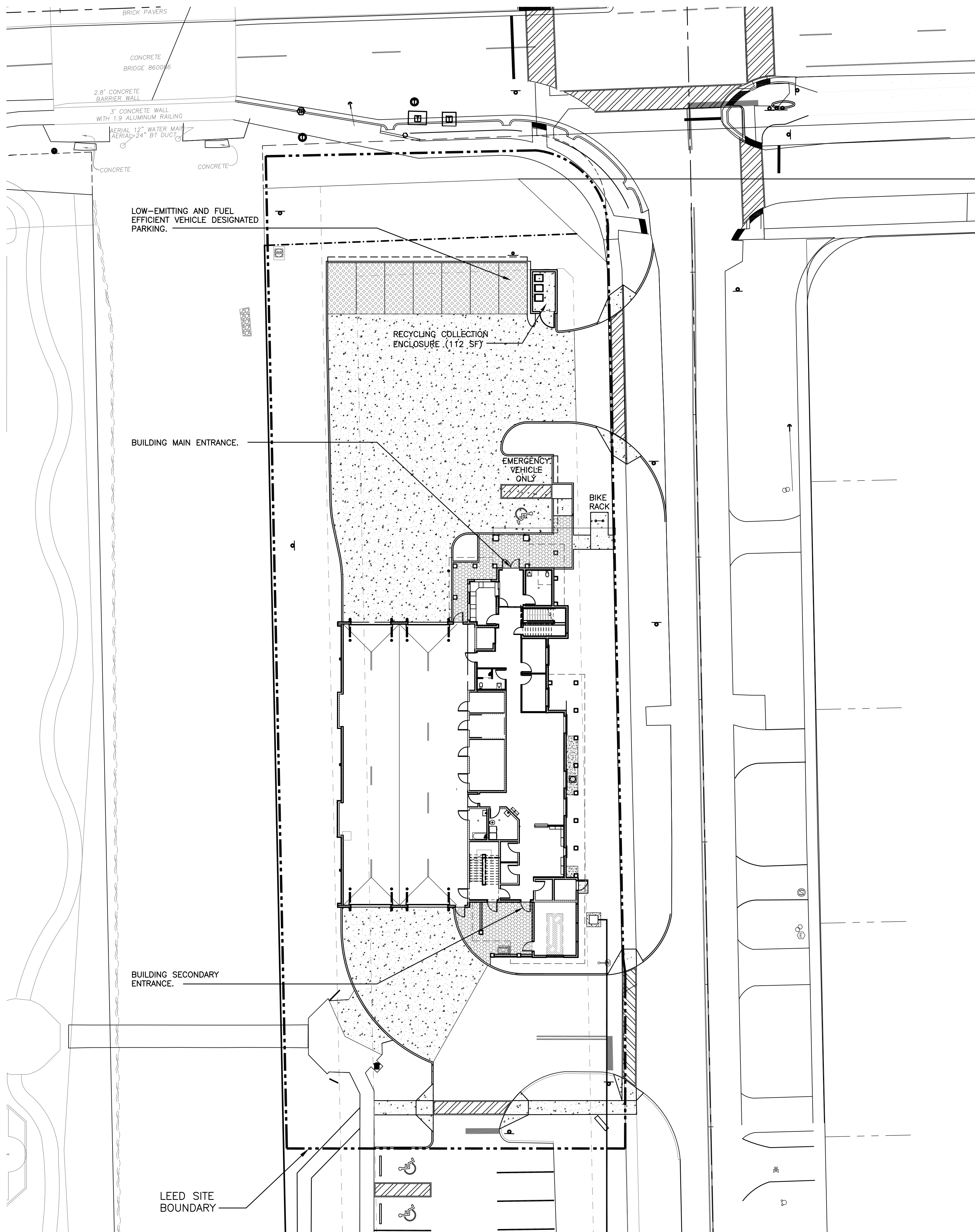
**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10395  
 STATE OF FLORIDA

**IEQ8.2**

DATE:

C:\Users\pzimmerman\Documents\REV\12200\_05\_26\_14\Drawings\12200\_05\_26\_14\12200\_05\_26\_14\_01.dwg  
 11/4/2014 8:37:27 AM

NO. REVISION	DATE
CONST	11-03-14
ISSUE	
CONSULTANT:	



SIGN TO BE POSTED ON NORTH AND SOUTH BUILDING ENTRANCES AS INDICATED ON PLAN. MOUNTING HEIGHT TO BE 5'-0" A.F.F.

**NON-SMOKING POLICY SIGN DETAIL**

SCALE: N.T.S.

NOTE:  
ENFORCING THE NON-SMOKING POLICY IN THE BUILDING AND PROJECT SITE IS THE RESPONSIBILITY OF THE FACILITY MANAGER.

**IEQ PREREQUISITE 2 - ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL**

SCALE: 1" = 20'-0"

**LEED REGISTERED PROJECT**  
**FIRE STATION 50**  
 4500 COCONUT CREEK PARKWAY  
 COCONUT CREEK, FLORIDA 33066  
**CPZ ARCHITECTS, INC.**  
651 WEST BROWARD BOULEVARD  
 PLANTATION, FLORIDA 33317  
 PHONE: (954) 792-8525 FAX: (954) 337-0359  
 AA #26000683 WWW.CPZARCHITECTS.COM



DRAWING TITLE:  
SITE PLAN - IEQ P2  
ENVIRONMENTAL TOBACCO  
SMOKE (ETS) CONTROL

DRAWN	CG
CHECKED	CPZ
DATE	
SCALE	AS NOTED
PROJECT NO.	1220D
SHEET:	

**CHRIS P. ZIMMERMAN, A.I.A.**  
 REGISTERED ARCHITECT NO. 10,995  
 STATE OF FLORIDA

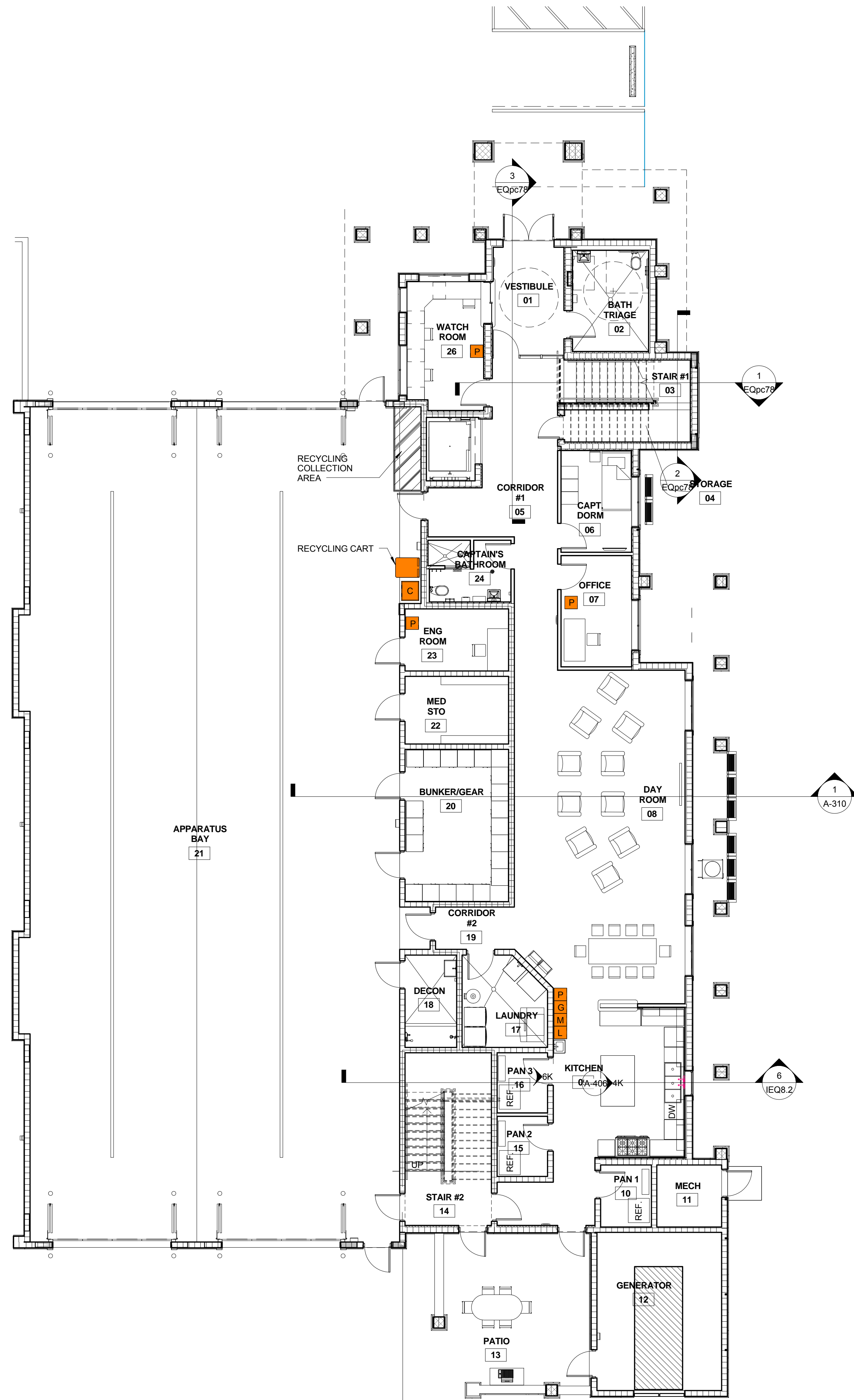
**IEQ P2**

DATE:

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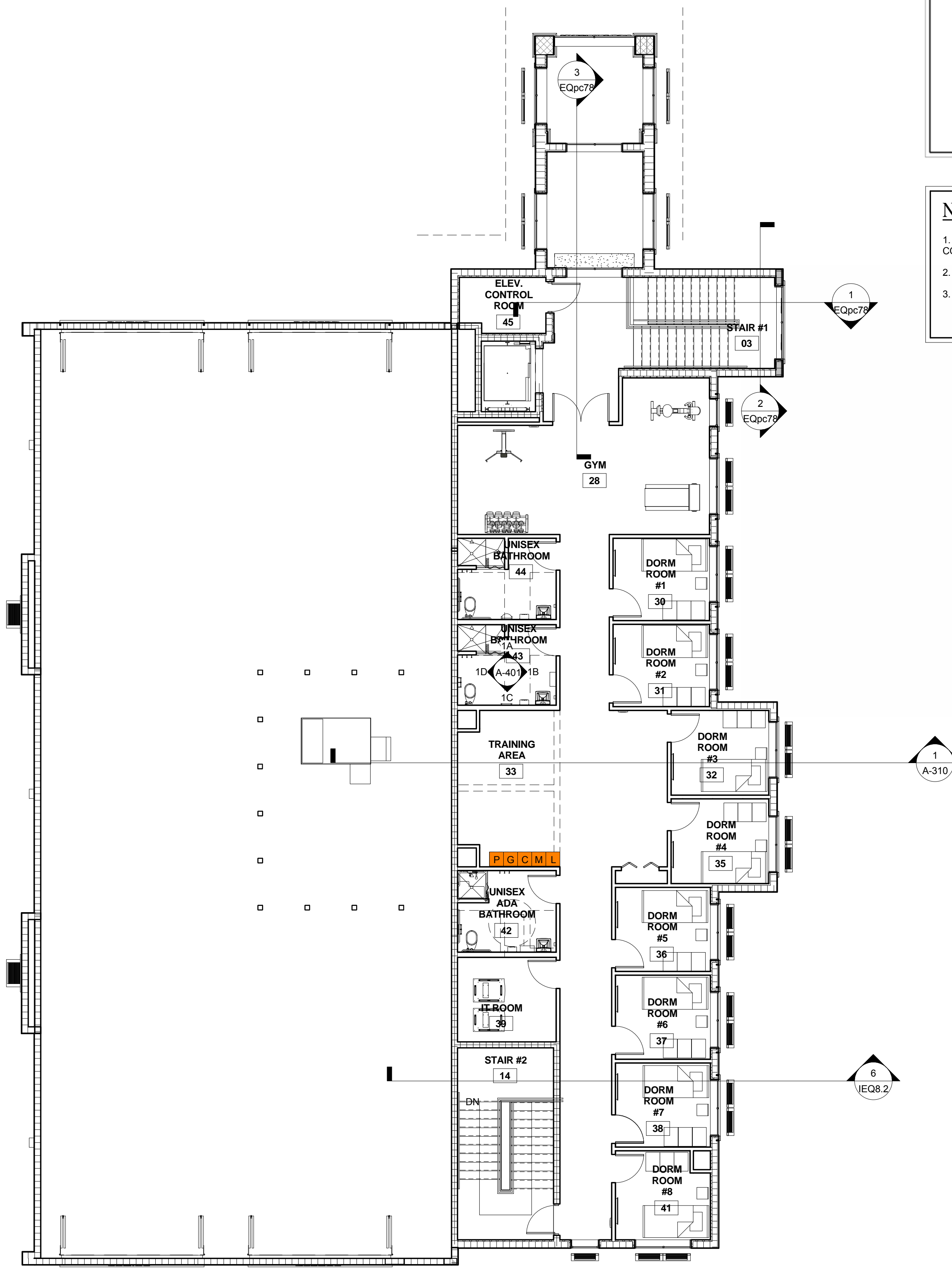
## FIRST FLOOR RECYCLING BIN PLAN

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



## SECOND FLOOR RECYCLING BIN PLAN

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



**LEGEND:**

- P PAPER RECYCLING
- G GLASS RECYCLING
- C CARDBOARD RECYCLING
- M METAL RECYCLING
- L PLASTIC RECYCLING
- RECYCLING COLLECTION AREA

**NOTES:**

1. RECYCLING IS STANDARD WITHIN THE CITY WASTE CONTRACT.
2. RECYCLING BINS ARE PROVIDED BY THE CITY.
3. COLLECTION CARTS ARE PROVIDED BY THE CITY.



TYPICAL RECYCLING BIN



TYPICAL RECYCLING COLLECTION CART

NO.	REVISION	DATE
1	CONSTRUCTION	07-25-2014
2	ISSUE SET	07-25-2014
3	USED REV #1	10-08-14

CONSULTANT:

LEED REGISTERED PROJECT  
FIRE STATION 50

4500 COCONUT CREEK PARKWAY, COCONUT CREEK, FLORIDA 33066

CPZ ARCHITECTS, INC.  
4316 WESTBOWARD BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-8223 FAX: (954) 337-0399  
AN ES2006086 WWW.CPZARCHITECTS.COM

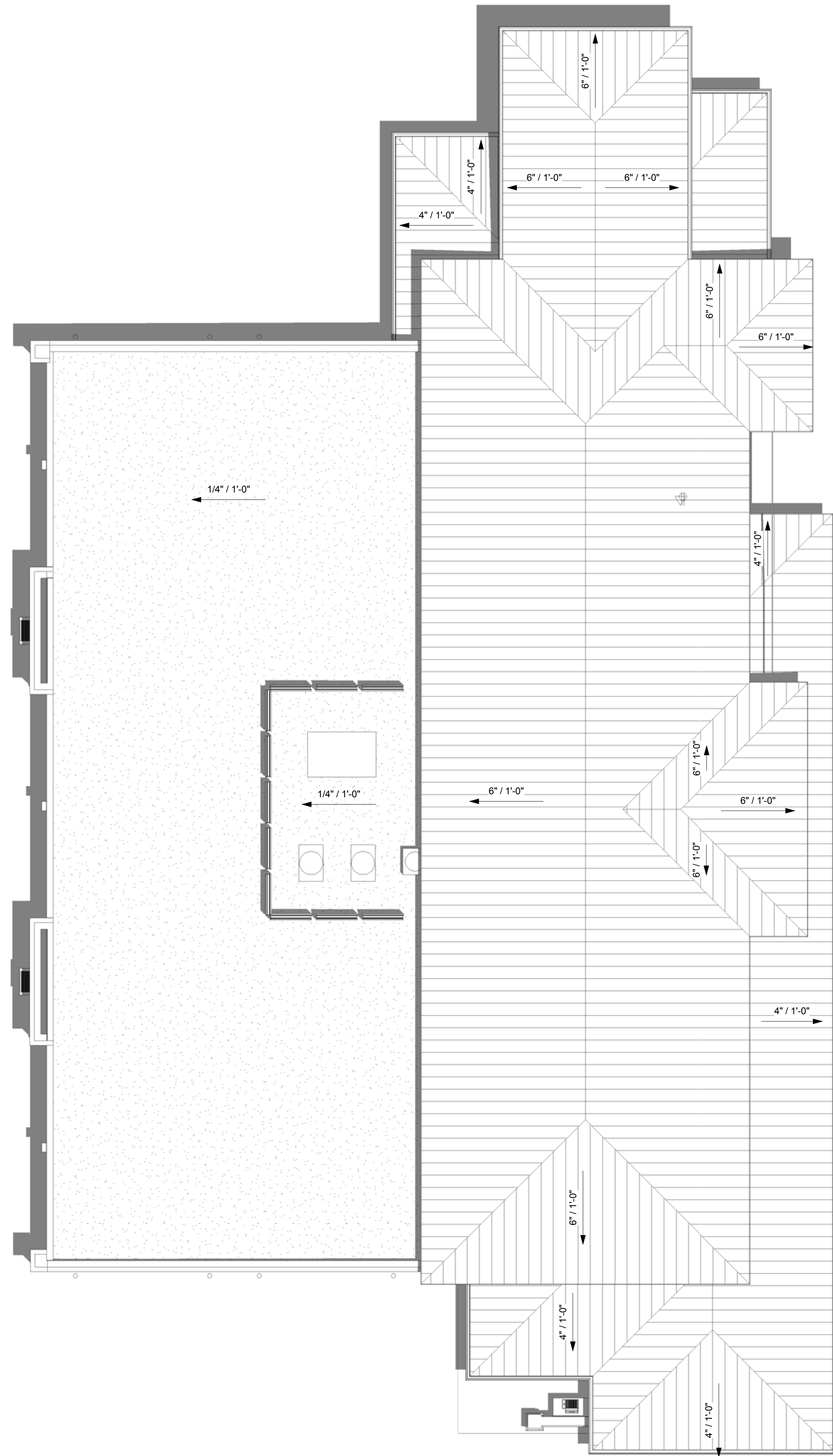




DRAWING TITLE:  
Recycling Bin Plan  
DRAWN: CG  
CHECKED: CPZ  
DATE: 07-25-2014  
SCALE: 1/8" = 1'-0"  
PROJECT NO. 1220D  
SHEET:

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO. 103995  
STATE OF FLORIDA

DATE:

MR P-1



LEGEND:		
	INDICATES STEEP-SLOPE ROOF	
	INDICATES LOW-SLOPE ROOF	

NO.	REVISION	DATE
1	CONSTRUCTION ISSUE SET	07-25-2014

CONSULTANT:

LEED REGISTERED PROJECT  
FIRE STATION 50

CPZ ARCHITECTS, INC.  
4316 WESTBROOK BOULEVARD  
PLANTATION, FLORIDA 33317  
PHONE: (954) 792-5232 FAX: (954) 337-0359  
AN 15206686 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

Roof Plan - SS CR 7.2  
Heat Island Effect -  
Roof

DRAWN: CG

CHECKED: CPZ

DATE: 07-25-2014

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

PROJECT NO. 1220D

SHEET:

SS7.2

**ROOF SPECIFICATION FOR STEEP-SLOPED ROOF (4:12 AND 6:12 SLOPE)**

ENGLERT SERIES S2000 1 3/4" INTEGRAL SNAP-LOCK METAL ROOF SYSTEM. NOA No.060149  
COLOR: PRE WEATHERED GALVALUME - SRI = 53.1

**ROOF SPECIFICATION FOR LOW-SLOPED ROOF (1/4":12 SLOPE)**

FIBERLITE ROOFING 50 ML FIBERTITE-XT MEMBRANE. SRI = 98.54

**ROOF SURFACE AREA**

TOTAL LOW-SLOPED ROOF SURFACE AREA	= 4,348 SF	35.8% OF TOTAL ROOF SURFACE AREA
TOTAL STEEP-SLOPED ROOF SURFACE AREA (4:12 AND 6:12 SLOPE)	= 7,798 SF	64.2% OF TOTAL ROOF SURFACE AREA
TOTAL ROOF SURFACE AREA (STEEP-SLOPE AND LOW-SLOPE)	= 12,146 SF	100% TOTAL ROOF SURFACE AREA

SS 7.2 Heat Island Effect - Roof - Option 1 - Roof Plan  
SCALE: 1/8" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.  
REGISTERED ARCHITECT NO.  
10395  
STATE OF FLORIDA

DATE: