

811
Know what's below.
Call before you dig.
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THE CONTRACTOR OR OTHERS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF UNDERGROUND UTILITIES.

NOTICE:
 CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR INJURIES TO PERSONS OR PROPERTY ARISING FROM THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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 9001 AIRPORT FREEWAY, SUITE 660
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 972.356.8660

9 & 16
 WEST SPENCERFIELD RD & FL SR-10
 PACE
 SANTA ROSA COUNTY, FLORIDA

COSTORDE, LLC
 CONSTRUCTION PLANS
 COVER

DATE
 2023-09-06
 2023-06-15

REVISIONS
 Digitally signed by John Nourzad
 Date: 2024.03.06 17:04:47
 -05'00"

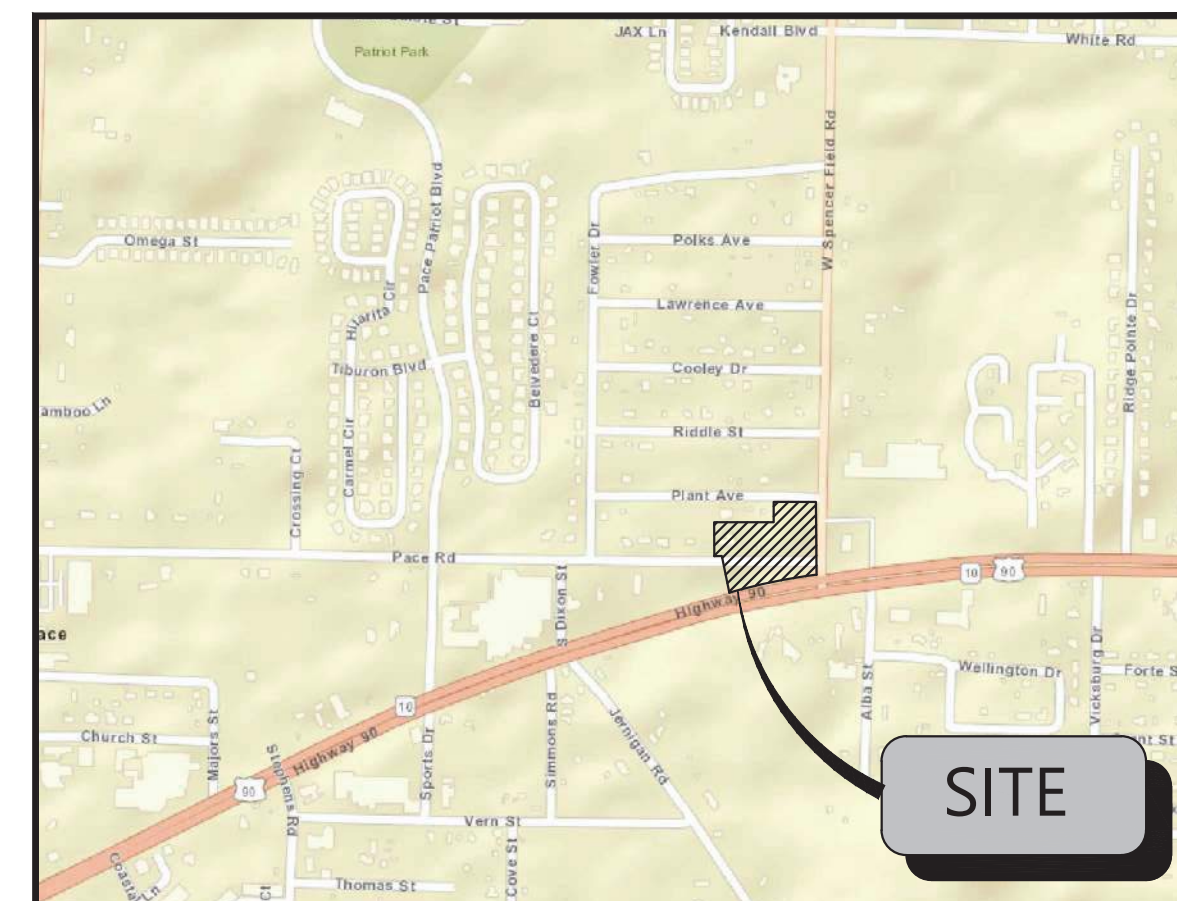
DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: ##
 SHEET NO.
C000

CONSTRUCTION PLANS FOR CEFCO-WEST SPENCERFIELD RD & FL SR-10

WEST SPENCERFIELD RD & FL SR-10
 PACE, SANTA ROSA COUNTY, FLORIDA

TAX PARCELS: 09-1N-29-3010-00000-1400, 09-1N-29-3010-00000-1590, 09-1N-29-3010-00000-1580, 09-1N-29-3010-00000-1570 & 16-1N-29-0000-03000-0000, 09-1N-29-3010-00000-1410

**SANTA ROSA COUNTY
 PLANNING AND ZONING
 APPROVAL**
 3/22/2024
 #PZ-2023-11-SP *Ja...*



VICINITY MAP
 N.T.S.

NOTE: BASED ON GRAPHIC DETERMINATION, THIS PROPERTY DOES NOT LIE IN A F.E.M.A./F.I.R.M. SPECIAL FLOOD HAZARD AREA PER COMMUNITY PANEL NO. 12113C0410H DATED 11/19/2021.

PREPARED FOR:
 COSTORDE, LLC
 C/O DENISE ANDERSON, CCIM
 9764 WHITHORN DR.
 HOUSTON, TX. 77095
 PHONE: (281) 382-7117

CEFCO-WEST SPENCERFIELD RD & FL SR-10
 TOTAL SITE AREA: 3.323 AC.
 ZONING: HIGHWAY COMMERCIAL DEVELOPMENT (HCD)

DIRECTIONS TO SITE:

LATITUDE: 30.6040737832451 N PROJECT IS LOCATED AT THE NORTHWEST CORNER OF S.R. 10 & W. SPENCER FIELD RD., SANTA ROSA COUNTY, FLORIDA.
 LONGITUDE: -87.1494401303807 W
 SECTION: 9 & 16
 TOWNSHIP: 1 NORTH
 RANGE: 29 WEST
 COUNTY: SANTA ROSA

SUBMITTAL DATE

SUBMITTAL - 2023-09-06

BENCHMARKS:
 1. TRAVERSE POINT IRON ROD (L.B. #3501)
 N: 593958.161
 E: 1134801.250
 ELEVATION=73.780
 2. TRAVERSE POINT IRON ROD (L.B. #3501)
 N: 593958.477
 E: 1135241.546
 ELEVATION=76.851

This item has been digitally signed and sealed by John Nourzad, PE, on the date shown hereon.
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SHEET INDEX OF DRAWINGS

SHEET	NAME	ORIG. PLAN DATE	REVISION	REV. PLAN DATE
C000	COVER SHEET	11-04-22	06-15-2023	09-08-2023
C100	GENERAL NOTES	"	"	"
C110	DEMOLITION PLAN	"	"	"
C200	SITE PLAN	"	"	"
C201	SITE PLAN w AUTO TURN	"	"	"
C210	PAVING PLAN	"	"	"
C300	GRADING PLAN	"	"	"
C310	PRE DEVELOPED DRAINAGE AREA MAP	"	"	"
C320	POST DEVELOPED DRAINAGE AREA MAP	"	"	"
C330	DRAINAGE PLAN	"	"	"
C400	UTILITY PLAN	"	"	"
C401	UTILITY DEMO & RELOCATION PLAN	"	"	"
C500	EROSION CONTROL PLAN	"	"	"
C501	EROSION CONTROL PLAN	"	"	"
C700	DETAILS (SITE)	"	"	"
C701	DETAILS (SITE)	"	"	"
C702	DETAILS (FDOT)	"	"	"
C703	DETAILS (FDOT)	"	"	"
C704	DETAILS (FDOT)	"	"	"
C705	UNDETDRAIN DETAILS	"	"	"
C706	CONTROL STRUCTURE DETAIL	"	"	"
C707	WALL DETAIL	"	"	"

DEVELOPMENT TEAM

DEVELOPER COSTORDE, LLC 9764 WHITHORN DR. HOUSTON, TX. 77095 PHONE: 281-550-6000 CONTACT: DENISE ANDERSON	CIVIL ENGINEER ATWELL, LLC 9001 AIRPORT FRWY., SUITE 660 NORTH RICHLAND HILLS, TX. 76180 PHONE: (972) 638-8860 CELL: (214) 864-5706 CONTACT: JEFF GREEN	SURVEYOR GUSTIN, COTHERN & TUCKER, INC. 121 HART ST. NICEVILLE, FL. 32578 PHONE: (850) 678-5141 FAX: (850) 729-2460 CONTACT: ALLEN TUCKER, PSM
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PROJECT NARRATIVE

CONSTRUCT A 30' ACCESS DRIVE OFF OF S.R. 10, A 15' ONE WAY ACCESS DRIVE OFF W SPENCER FIELD RD, A 30' ACCESS DRIVE OFF PLANT AVE & A DRIVE CONNECTED TO PACE RD. INTO A PROPOSED CEFCO CONVENIENCE STORE AND GASOLINE FUELING STATION.

VARIANCES REQUESTED

VARIANCE 2022-3-V APPEAL WAS APPROVED AUGUST 25, 2022, BY THE SANTA ROSA COUNTY BOARD OF COUNTY COMMISSIONERS TO REDUCE THE DRIVEWAY SPACING REQUIREMENT ON A MAJOR COLLECTOR FROM 245' TO 110', TO ACCOMMODATE A COMMERCIAL DRIVEWAY. THE VARIANCE WAS APPROVED WITH THE FOLLOWING CONDITIONS:
 a. DRIVEWAY WILL BE RIGHT IN ONLY.
 b. DRIVEWAY WILL HAVE 60' RADIUS.
 c. DRIVEWAY WILL HAVE A "NO LEFT TURN" SIGN, FOR NORTHBOUND TRAFFIC.
 d. DRIVEWAY WILL HAVE A RAISED/HARD CURVE.

REZONE CASE #2019-R-024

APPROVED BY SANTA ROSA COUNTY BOARD OF COMMISSIONERS MAY 23, 2019

GOVERNING AGENCIES AND UTILITY CONTACTS

FLORIDA DEPT. OF TRANSPORTATION 6025 OLD BAGDAD HWY. MILTON, FL. 32583 PHONE: (850) 981-2737 CONTACT: HEIDI TAYLOR	SANTA ROSA COUNTY (DEVELOPMENT SERVICES) 6051 OLD BAGDAD HIGHWAY SUITE 202 MILTON, FL. 32583 PHONE: (850) 981-7000 CONTACT: JASON McCLARTY	PACE WATER SYSTEM, INC. (WATER & SEWER) 4401 WOODBINE RD. PACE, FL. 32571 PHONE: (850) 994-5129 EMAIL: RLEE@PACEWATER.ORG CONTACT: RACHEL LEE	CITY OF MILTON (GAS SERVICE) 6738 DIXON STREET MILTON, FL. 32572 PHONE: (850) 336-0866 EMAIL: DRICE@MILTONFL.ORG CONTACT: DANNY RICE
AT&T (TELEPHONE) PHONE: (855) 441-4668	SANTA ROSA COUNTY (STORMWATER) 6051 OLD BAGDAD HWY SUITE 300 MILTON, FL. 32583 PHONE: (850) 981-7100 CONTACT: JOHN HAYNIE	FLORIDA POWER & LIGHT - MILTON (ELECTRIC) 8486 RANDY BROWN RD, MILTON, FL 32583 PHONE: (800) 778-9140	

FILE NAME: S:\21000648_1113-04_PROD\CONSTRUCTION\21000648-0000 COVER.dwg LAST SAVED BY: jnourzad 8/2/2023 1:07 PM PLOTTER: HP_Mitutoyo_G4700 COVER.dwg 9/12/2023 PAPER: A001 FULL BLEED 0 (24x36) X (36x36) METRIC PLOT: AUTOSCAD PDF (GENERAL DOCUMENTATION) PLOT STYLE: ATWELL.DWT

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

DEMO NOTES:	
#	DESCRIPTION
①	EXISTING TO BE REMOVED
②	EXISTING TO BE RELOCATED
③	EXISTING TO REMAIN

SITE LEGEND:	
	PROPERTY LINE
	AREA OF DISTURBANCE LIMITS OF DEMOLITION

GENERAL DEMOLITION NOTES:

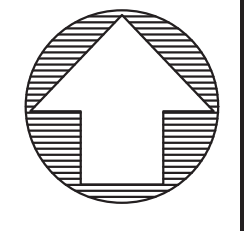
- IF NOT SHOWN ON THE DEMOLITION DRAWINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETE ALL NEW WORK AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
- SAVING RIGHTS FOR ALL DEMOLISHED MATERIALS SHALL BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETURNED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING UTILITIES PRIOR TO DEMOLITION & EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE & PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS FROM AND NOTIFICATIONS TO ALL LOCAL STATE AND FEDERAL AUTHORITIES.
- THE DEMO CONTRACTOR IS REQUIRED TO VISIT SITE PRIOR TO BID AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE AND ASSUME ANY FEES ASSOCIATED WITH REMOVAL OF UTILITIES. ALL ABANDONED UTILITIES TO BE REMOVED & CAPPED.
- REFER TO SURVEY FOR LIMITS AND BOUNDARY OF PROPERTY.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE ESCAMBIA COUNTY PRIOR TO ANY DEMOLITION OR EXCAVATION.
- CONTACT ESCAMBIA COUNTY 48 HOURS PRIOR TO DEMOLITION OR EXCAVATION.

DAMAGES

PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED TO REPAIR DAMAGE TO ADJACENT FACILITIES.

GENERAL DEMOLITION SPECIFICATION

- OWNER ASSUMES NO RESPONSIBILITY FOR CONDITION OF STRUCTURES TO BE DEMOLISHED.
- CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.
- MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
- REMOVE, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH DEMOLITION OPERATIONS ACCORDING TO APPLICABLE CODES / REGULATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- USE OF EXPLOSIVES WILL NOT BE PERMITTED.
- USE WATER, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.
- DO NOT CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION, WHEN USING WATER REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- DO NOT BURN DEMOLISHED MATERIALS.



811 Know what's below. Call before you dig.

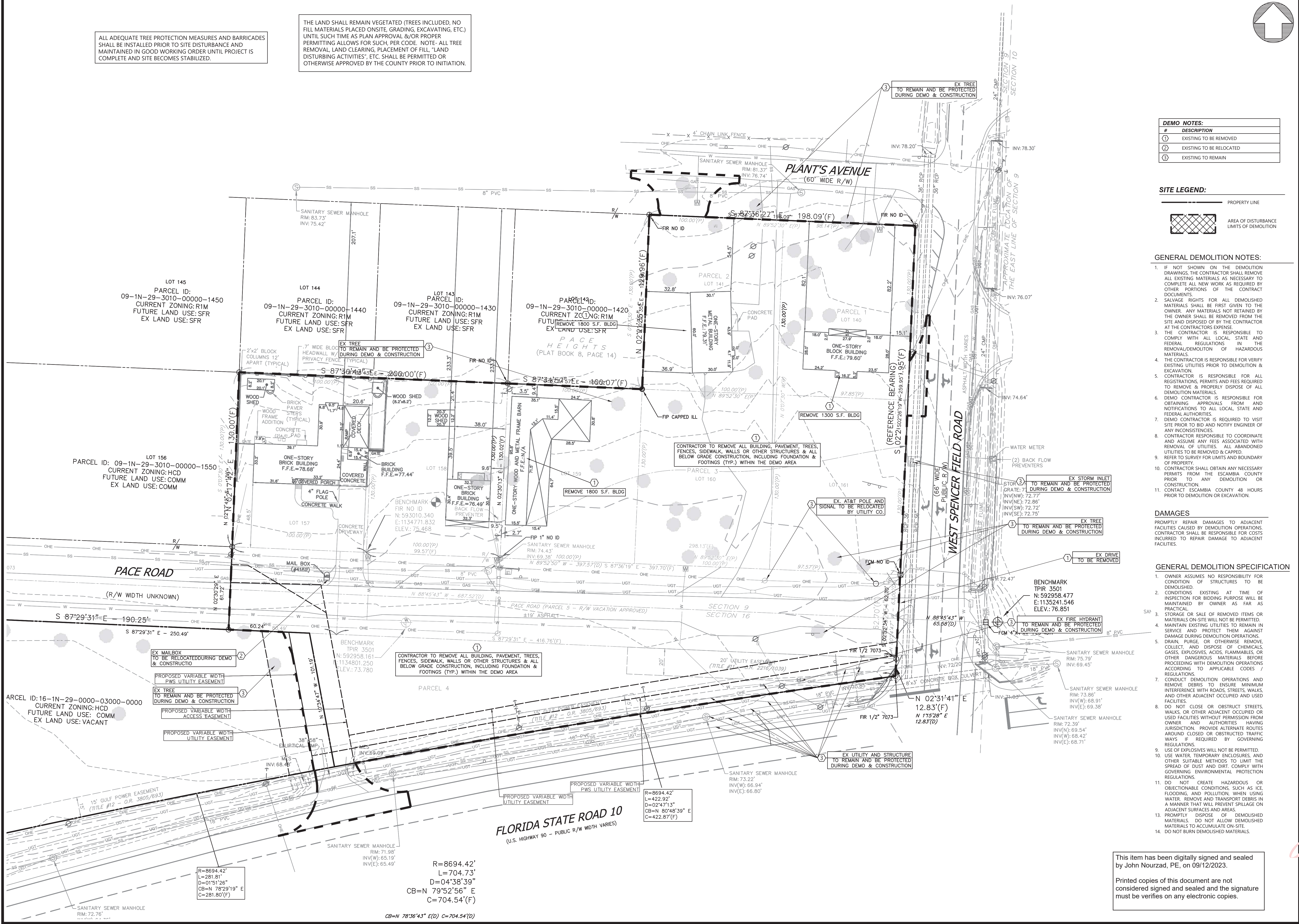
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NOTICE:
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9 & 16	WEST SPENCERFIELD RD & FL SR-10
	PACE
	SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10	COSTORDE, LLC
	CONSTRUCTION PLANS
	DEMOLITION PLAN

DATE	2023-09-06
	11-30-2022
REVISIONS	

Digitally signed by John Nourzad Date: 2024.03.06 17:07:11 -0500

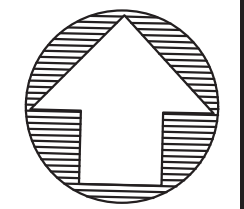
SCALE 1"=30'

DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: ##
SHEET NO: C110

This item has been digitally signed and sealed by John Nourzad, PE, on 09/12/2023.

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FILE NAME: S:\21000648\110104_PRODUCTION\21000648-C110_Plan_Shp.dwg LAST SAVE: 09/12/2023 2:42 PM BY: JKG PLOTTED BY: JKG PLOT DATE: 09/12/2023 2:42 PM PLOTTER: HP DesignJet 2400 Plotter



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9 & 16
WEST SPENCERFIELD RD & FL SR-10
PACE
SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
COSTORDE, LLC
CONSTRUCTION PLANS
SITE PLAN

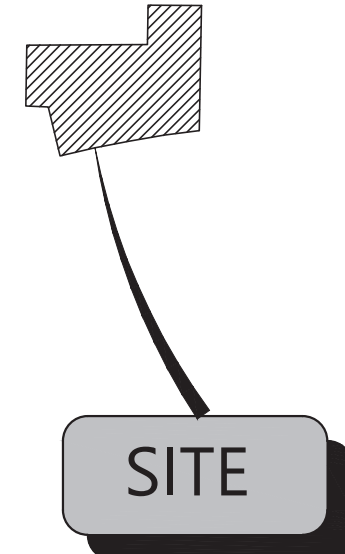
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08-10-2023
01-30-2024
02-11-2024
03-04-2024

REVISIONS

Digitally signed by John Nourzadfar
Date: 2024.03.06 17:07:36
SCALE 1"=40'
DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: ##
SHEET NO: C200

SITE LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- 18" CURB AND GUTTER
- FIRE LANE STRIPING
- PROPOSED SETBACK LINE
- STOP STOP BAR (PAVEMENT MARKING)
- TRAFFIC FLOW ARROW (PAVEMENT MARKING)
- HANDICAP STALL
- CONCRETE WHEEL STOP
- PARKING SPACE COUNT
- SIGN
- TRANSFORMER PAD
- 3" WIDE CONCRETE CURB PROTECTION (REF DTL SHT XX)



VICINITY MAP
N.T.S.

SITE AREA

TOTAL PROPERTY AREA: 3.323± AC (144,789± S.F.)
DISTURBED AREA: 3.46± AC (150,947± S.F.)
IMPERVIOUS AREA/PAVED AREA: 1.94± AC (84,682± S.F.)
PERVIOUS AREA/OPEN LANDSCAPE AREA: 1.52± AC (66,265± S.F.)

ZONING CLASSIFICATION

JURISDICTION: SANTA ROSA COUNTY
ZONING: HCD - HIGHWAY COMMERCIAL DEVELOPMENT/COMMERCIAL
FUTURE LAND USE: COMMERCIAL
ADJACENT FUTURE LAND USE (NORTH): SINGLE FAMILY RESIDENTIAL
ADJACENT FUTURE LAND USE (EAST): COMMERCIAL
ADJACENT FUTURE LAND USE (SOUTH): COMMERCIAL
ADJACENT FUTURE LAND USE (WEST): COMMERCIAL & SINGLE FAMILY RESIDENTIAL

EXIST/FUTURE LAND USE CATEGORIES

(NORTH): SINGLE FAMILY RESIDENTIAL
(EAST): COMMERCIAL
(SOUTH): COMMERCIAL
(WEST): COMMERCIAL & SINGLE FAMILY RESIDENTIAL

BUILDING SETBACKS

REAR ALONG DUAL FRONTAGE: 50'
SIDE ADJACENT TO RESIDENTIAL: 30'
CORNER SIDE: 25'

BUILDING SUMMARY

BUILDING AREA: 6,037 SF
BUILDING HEIGHT: 22'-2"
BUILDING COVERAGE: 4.75%

PARKING SUMMARY

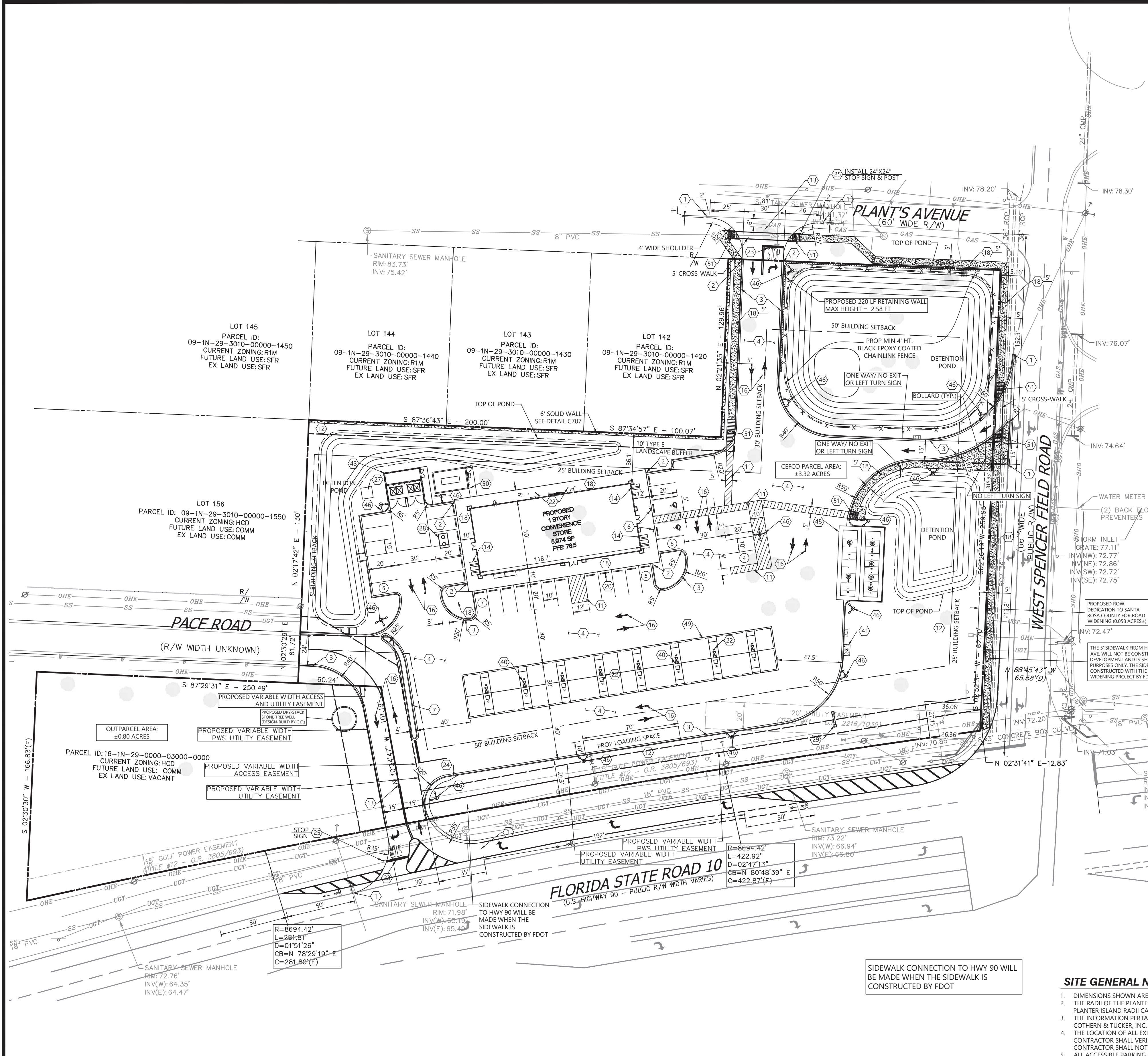
PARKING REQUIREMENTS (CONVENIENCE STORE): 1 SPACE PER 250 G.F.A.
TOTAL PARKING REQUIRED: (6,037 / 250 = 24 SPACES)
PARKING PROVIDED: 33 SPACES; 2 ADA SPACES (1 VAN)

SITE NOTES AND DETAILS:

NOTE NUMBER	DESCRIPTION	COORDINATING DETAIL NUMBER (SEE DETAIL SHEETS)
1	TIE IN NEW CURB TO MATCH EXISTING CURB	N/A
2	TRANSITION CURB FROM 6" TO 0" OVER 2' HORIZONTALLY	N/A
3	NEW CONCRETE CURB AND GUTTER - SEE DETAILS SHEET FOR DETAILS	C-700
4	NEW CONCRETE PAVING - SEE PAVING PLAN FOR DETAILS	C-702
5	NEW HEAVY DUTY CONCRETE PAVING - SEE PAVING PLAN FOR DETAILS	C-702
6	HANDICAP PARKING SIGN "100" VIOLATION FEE PER ADA REQ.	
7	CONCRETE ROLL-OVER CURB AND GUTTER - SEE DETAILS	
11	4 INCH WIDE PAINTED WHITE STRIPING (2 COATS) @ 2' O.C. AND 45° (SEE WIDTHS ON THIS PLAN SHEET)	N/A
12	LANDSCAPE AREA - SEE LANDSCAPE PLAN L-1.0	
13	6" WIDE THERMOPLASTIC YELLOW TRAFFIC LANE DIVIDER	PER FOOT STD.
14	PARIS FURNISHINGS ADA RECTANGULAR SHADED PICNIC TABLE	REF ARCH PLANS
16	TRAFFIC FLOW ARROWS - WHITE REFLECTIVE THERMOPLASTIC	PER FOOT STD.
18	SIDEWALK (SEE WIDTH THIS SHEET; SEE COUNTY NOTES THIS SHEET)	C-700
20	WHEEL-STOPS	
22	BOLT DOWN HIGH IMPACT FLEXIBLE POSTS PROVIDED BY OWNER	N/A
23	24" THERMOPLASTIC STOP BAR	PER FOOT STD.
24	3' WIDE RADIUS PROTECTION	C-700
25	TRAFFIC CONTROL SIGN - SEE TYPE THIS SHEET	
26	SAMPLE WELL	
27	PROPOSED TRANSFORMER - SEE UTILITY PLAN	
28	PROPOSED GREASE INTERCEPTOR	SEE MEP PLANS
29	PROPOSED CEFCO SIGN LOCATION	
30	PROPOSED SANITARY SEWER LIFT STATION	BY OTHERS
40	FUEL DISPENSER (TYPICAL) - SEE ARCH PLANS FOR DETAILS	C-701
41	AIR - SEE ARCH PLANS FOR DETAILS	
43	DUMPSTER ENCLOSURE - SEE ARCH PLANS FOR DETAILS	N/A
46	SITE LIGHTING - SEE ARCH PLANS FOR DETAILS	
48	UNDERGROUND FUEL STORAGE TANKS	REF MEP PLANS
49	FUEL CANOPY (REF. FUEL SHEETS FOR DETAILS)	
50	PROPOSED GENERATOR	
51	RAISED DOME DETECTABLE MAT (PER FDOT STD.)	

***SANTA ROSA COUNTY SIDEWALK NOTES:**

- CONCRETE SHALL HAVE A MINIMUM STRENGTH OF TWO THOUSAND FIVE HUNDRED (2,500) POUNDS PER SQUARE INCH (PSI).
- THE MINIMUM WIDTH OF SIDEWALKS SHALL NOT BE LESS THAN FIVE (5) FEET.
- THE SIDEWALK SHALL NOT BE LESS THAN FOUR (4) INCHES THICK. AT DRIEWAYS A MINIMUM THICKNESS OF SIX (6) INCHES OR FOUR (4) INCHES WITH WOVEN WIRE FABRIC REINFORCEMENT SHALL BE REQUIRED.
- ALL SIDEWALKS SHALL BE CONSTRUCTED WITH 2% CROSS SLOPE MAXIMUM.
- ONE-HALF (1/2) INCH EXPANSION JOINTS SHALL BE AT THIRTY (30) FOOT INTERVALS OR LESS, WITH CONTROL JOINTS AT 10 FOOT INTERVALS.



SIDEWALK CONNECTION TO HWY 90 WILL BE MADE WHEN THE SIDEWALK IS CONSTRUCTED BY FDOT

SITE GENERAL NOTES:

1. DIMENSIONS SHOWN ARE TO THE FACE OF CURB, UNLESS OTHERWISE INDICATED.
2. THE RADI OF THE PLANTER ISLANDS AT DRIVEWAY INTERSECTIONS MUST BE AT LEAST 10 FEET. ALL OTHER PLANTER ISLAND RADI CAN BE 4 FEET.
3. THE INFORMATION PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM A SURVEY PROVIDED BY: GUSTIN, COTHRAN & TUCKER, INC.
4. THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION.
5. ALL ACCESSIBLE PARKING SPACES AND TRAVEL ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.D.A. AND/OR STATE REQUIREMENTS (I.E. PROJECTS IN FLORIDA SHALL BE APPROVED BY A STATE SPECIALIST).
6. ANY DISCREPANCIES IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
7. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS HAVE BEEN RECEIVED.
8. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO PRIVATE OR PUBLIC PROPERTY.
9. ACCESS TO UTILITIES, FIRE HYDRANTS, ETC. SHALL REMAIN UNDISTURBED AT ALL TIMES, UNLESS COORDINATED OTHERWISE.
10. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
11. ALL SUBGRADE PREPARATION, PAVING, AND UTILITY TRENCHING MUST BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION. IF THERE IS A CONFLICT BETWEEN THE SOILS REPORT AND THE PLANS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE.
12. CONTRACTOR TO ENSURE COMPLIANCE WITH ANY AND ALL LAND DISTURBANCE NOTIFICATIONS REQUIREMENTS, AND THAT ALL REQUIRED EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STATE, LOCAL OR FEDERAL REQUIREMENTS.
13. FOR WORK IN, OR ADJACENT TO, HIGHWAY RIGHT OF WAYS, CONTRACTOR SHALL ENSURE APPROPRIATE PERMITS ARE OBTAINED PRIOR TO CONSTRUCTION. CONTRACTOR TO ERECT AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES IN CONFORMANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL DEVICES, LATEST EDITION, ALONG WITH THE REQUIREMENTS OF THE LOCAL FDOT AREA OFFICE.
14. CROSS-ACCESS POINTS TO THE NORTH MUST BE OPENED IF WHEN THE ADJACENT PARCELS ARE RE-DEVELOPED AND ARE REQUIRED TO MAKE CROSS CONNECTION TO SITE.
15. ALL PAVEMENT MARKINGS, DIRECTIONAL ARROWS REQUIRED TO BE REFLECTIVE THERMOPLASTIC PAINT ACCORDING TO SANTA ROSA COUNTY REQUIREMENT.

BENCHMARKS:

1. TRAVERSE POINT IRON ROD (L.B. #3501)
N: 592958.161
E: 1134801.250
ELEVATION=73.780
1. TRAVERSE POINT IRON ROD (L.B. #3501)
N: 592958.477
E: 1135241.546
ELEVATION=76.851

SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS. ANY DIFFERENCES SHALL BE REPORTED TO CIVIL ENGINEER PRIOR TO BUILDING LAYOUT.

ALL PROPOSED SIGNAGE WILL REQUIRE A VALID SANTA ROSA COUNTY SIGN PERMIT PRIOR TO CONSTRUCTION

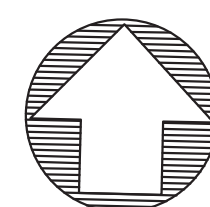
SANTA ROSA COUNTY NOTES:

1. A UTILITY PERMIT FROM THE COUNTY ROAD AND BRIDGE DEPARTMENT IS REQUIRED BEFORE COMMENCING WORK IN A COUNTY RIGHT-OF-WAY
2. AT COMPLETION OF CONSTRUCTION, ALL EXPOSED DIRT SHALL BE STABILIZED WITH SOD, A HAY/SEED MIX OR HYDRO-SEED
3. NO MORE THAN 50% OF REQUIRED LANDSCAPING MATERIAL MAY BE THE SAME SPECIES.
4. A SEPARATE PERMIT IS REQUIRED FOR ALL SIGNAGE.
5. THE CONTRACTOR/OWNER SHOULD COORDINATE WITH THE COMMUNITY PLANNING, ZONING AND DEVELOPMENT DIVISION PRIOR TO PURCHASING OR INSTALLING LANDSCAPING TO DETERMINE CREDIT FOR EXISTING VEGETATION TO (PARTIALLY) MEET THE LANDSCAPE REQUIREMENTS SHOWN ON THIS PLAN.

NOTES

1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. IF THE LOCATION OR ELEVATION IS SUBSTANTIALLY DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF CONFLICTS EXIST, THE ENGINEER SHALL BE NOTIFIED.
2. ALL EXISTING AND PROPOSED UTILITIES WITHIN LIMITS ALL EXISTING AND PROPOSED UTILITIES WITHIN LIMITS OF THE PROJECT MUST MEET MINIMUM DEPTH REQUIREMENTS UNDER PAVEMENT AND IN NATURAL AREAS. ANY EXISTING UTILITY THAT MAY BE IN CONFLICT WITH APPROVED ROADWAY FEATURES FOR THIS PROJECT SHALL BE RELOCATED.
3. IN ADDITION TO THE RELOCATION OF THE EXISTING IN ADDITION TO THE RELOCATION OF THE EXISTING UTILITIES SHOWN ON THESE PLANS, FURTHER RELOCATION OF EXISTING UTILITIES MAY BE REQUIRED. CONTRACTOR/DEVELOPER TO COORDINATE WITH UTILITY COMPANIES AS NEEDED.

FILE NAME: S:\21000648_C200_SIT PLAN.dwg LAST SAVED: 3/4/2024 10:46:04 AM PLT: JKG DATE PLOTTED: 3/4/2024 10:46:04 AM PLOTTED BY: JKG
PLOTTER: HP DesignJet T1300PS
PLOT SCALE: 1/4"=1'-0"
PLOT SHEET: C200

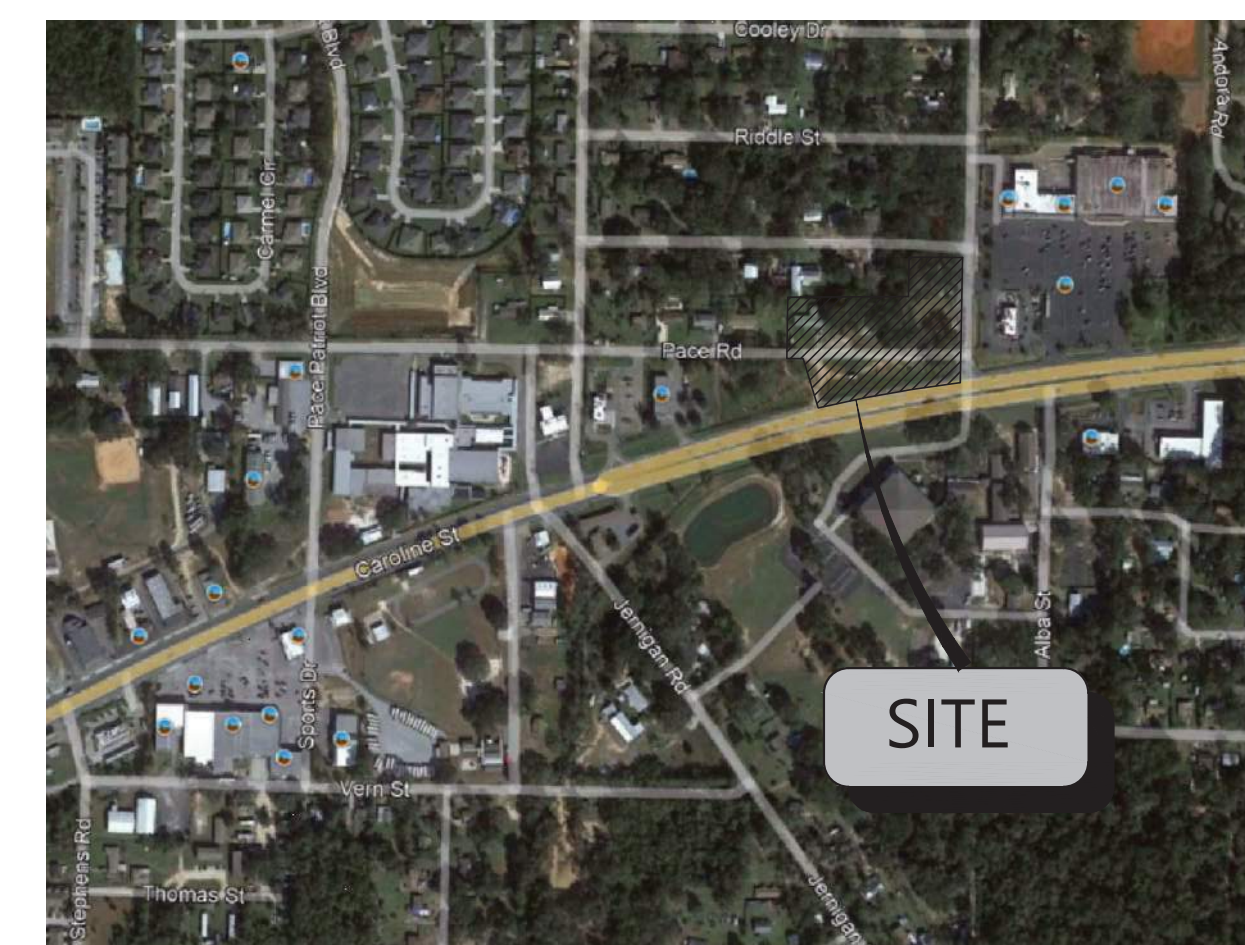


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NOTICE:
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24 HOUR EMERGENCY CONTACT



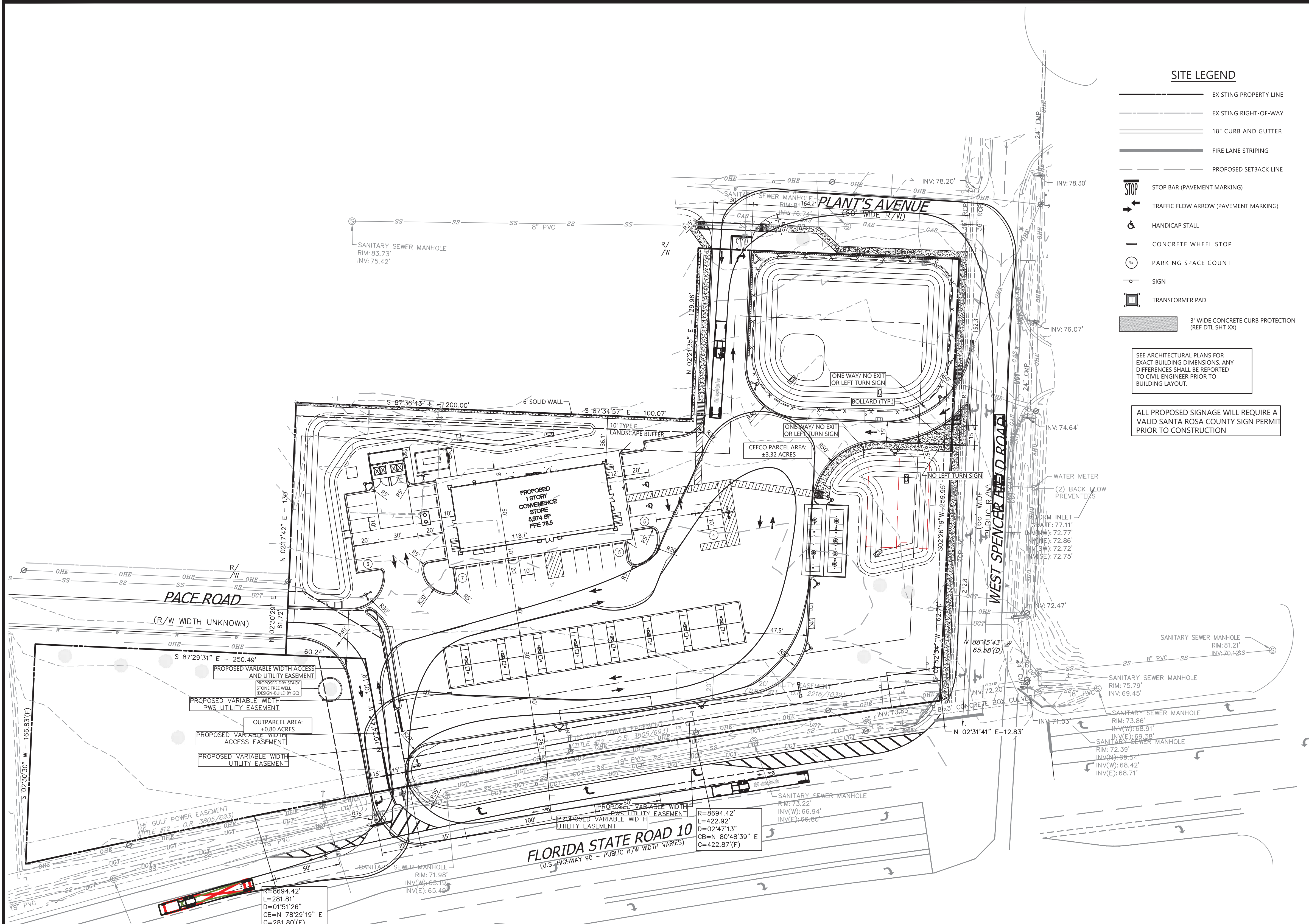
VICINITY MAP
N.T.S.

SITE AREA	
TOTAL PROPERTY AREA:	3.323± AC (144,789± S.F.)
DISTURBED AREA:	3.48± AC (150,947± S.F.)
IMPERVIOUS AREA/PAVED AREA:	1.94± AC (84,682± S.F.)
PERVIOUS AREA/OPEN LANDSCAPE AREA:	1.52± AC (66,265± S.F.)
ZONING CLASSIFICATION	
JURISDICTION:	SANTA ROSA COUNTY
ZONING:	HCD - HIGHWAY COMMERCIAL DEVELOPMENT/COMMERCIAL
FUTURE LAND USE:	COMMERCIAL
ADJACENT FUTURE LAND USE (NORTH):	SINGLE FAMILY RESIDENTIAL
ADJACENT FUTURE LAND USE (EAST):	COMMERCIAL
ADJACENT FUTURE LAND USE (SOUTH):	COMMERCIAL
ADJACENT FUTURE LAND USE (WEST):	COMMERCIAL & SINGLE FAMILY RESIDENTIAL
EXIST/FUTURE LAND USE CATEGORIES	
(NORTH):	SINGLE FAMILY RESIDENTIAL
(EAST):	COMMERCIAL
(SOUTH):	COMMERCIAL
(WEST):	COMMERCIAL & SINGLE FAMILY RESIDENTIAL
BUILDING SETBACKS	
FRONT:	50'
SIDE:	5'
REAR:	25'
BUILDING SUMMARY	
BUILDING AREA:	6,037 SF
BUILDING HEIGHT:	22'-2"
BUILDING COVERAGE:	4.75%
PARKING SUMMARY	
PARKING REQUIREMENTS (CONVENIENCE STORE):	1 SPACE PER 250 G.F.A. (6,037 / 250 = 24 SPACES)
TOTAL PARKING REQUIRED:	24 SPACES
PARKING PROVIDED:	33 SPACES; 2 ADA SPACES (1 VAN)

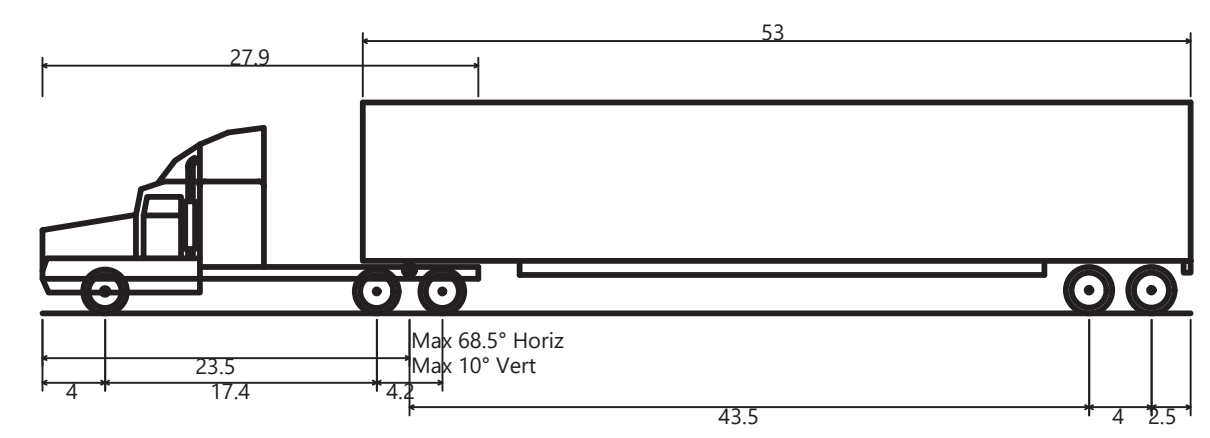
- SITE LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING RIGHT-OF-WAY
 - 18" CURB AND GUTTER
 - FIRE LANE STRIPING
 - PROPOSED SETBACK LINE
 - STOP STOP BAR (PAVEMENT MARKING)
 - TRAFFIC FLOW ARROW (PAVEMENT MARKING)
 - HANDICAP STALL
 - CONCRETE WHEEL STOP
 - PARKING SPACE COUNT
 - SIGN
 - TRANSFORMER PAD
 - 3" WIDE CONCRETE CURB PROTECTION (REF DTL SHT XX)

SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS. ANY DIFFERENCES SHALL BE REPORTED TO CIVIL ENGINEER PRIOR TO BUILDING LAYOUT.

ALL PROPOSED SIGNAGE WILL REQUIRE A VALID SANTA ROSA COUNTY SIGN PERMIT PRIOR TO CONSTRUCTION



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WB-67 - Interstate Semi-Trailer
 Overall Length 73.501ft
 Overall Width 8.500ft
 Overall Body Height 13.500ft
 Min Body Ground Clearance 1.334ft
 Max Track Width 8.500ft
 Max Steering Angle (Virtual) 6.00s
 28.40°

- NOTES**
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- SITE GENERAL NOTES:**
- DIMENSIONS SHOWN ARE TO THE FACE OF CURB, UNLESS OTHERWISE INDICATED.
 - THE RADIUS OF THE PLANTER ISLANDS AT DRIVEWAY INTERSECTIONS MUST BE AT LEAST 10 FEET. ALL OTHER PLANTER ISLAND RADI CAN BE 4 FEET.
 - THE INFORMATION PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM A SURVEY PROVIDED BY: GUSTIN, COTHERN & TUCKER, INC.
 - THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - ALL ACCESSIBLE PARKING SPACES AND TRAVEL ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.D.A. AND/OR STATE REQUIREMENTS (I.E. PROJECTS IN FLORIDA SHALL BE APPROVED BY A STATE SPECIALIST).
 - ANY DISCREPANCIES IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
 - PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS HAVE BEEN RECEIVED.
 - CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO PRIVATE OR PUBLIC PROPERTY.
 - ACCESS TO UTILITIES, FIRE HYDRANTS, ETC. SHALL REMAIN UNDISTURBED AT ALL TIMES, UNLESS COORDINATED OTHERWISE.
 - THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
 - ALL SUBGRADE PREPARATION, PAVING, AND UTILITY TRENCHING MUST BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION. IF THERE IS A CONFLICT BETWEEN THE SOILS REPORT AND THE PLANS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE.
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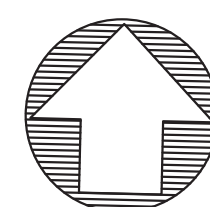
DATE: 11-03-2022
 10-07-2022
 05-03-2023

REVISIONS

Digitally signed by John Nourzadfar
 Date: 2024.03.06 17:08:03
 SCALE: 1"=50'0"

DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: ##
 SHEET NO: C201

FILE NAME: S:\2024\03\06\PRODUCTION\1000648-C201 SITE PLAN - AUTOTURN W6-67 EXHIBIT.dwg LAST SAVED BY: jkgm 3/6/2024 3:48 PM PLotted by: jkgm 3/6/2024 3:48 PM PLOTTER: HP DesignJet 5000 Series PLOT SIZE: 36x48 INCHES PLOT ORIENT: LANDSCAPE PLOT SCALE: 1"=50'0"



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24 HOUR EMERGENCY CONTACT



VICINITY MAP
N.T.S.

PAVING LEGEND :

REFER TO DETAIL SHEETS FOR ALL PAVING SECTIONS

- SIDEWALK/LIGHT DUTY RADIUS PROTECTION (SHT C-700) SEE ARCH PLANS FOR SIDEWALK AROUND BLDG (876± S.F.)
-
-
-
- CONTROL JOINT - DETAIL SHT 702
- EXPANSION JOINT - DETAIL SHT 702
- KEY JOINT - DETAIL SHT C-702

CONCRETE PAVEMENT JOINTING SPECIFICATIONS

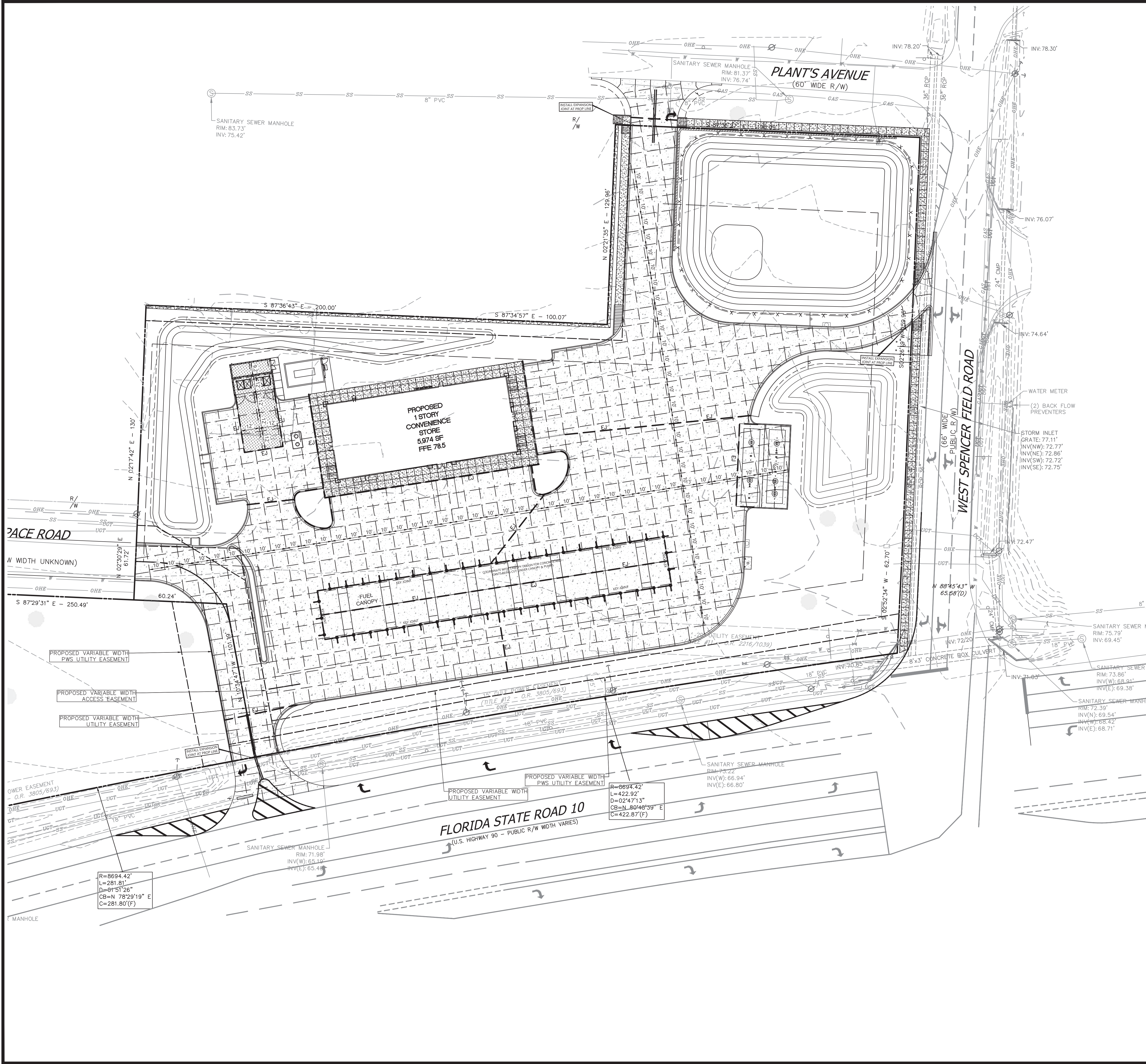
1. CONTROL JOINTS TO BE IN ACCORDANCE WITH ACI 330R, AND SHOULD BE SPACED NO GREATER THAN 10' APART FOR MEDIUM DUTY PAVT DRIVE AISLES AND PARKING AREAS (12' FOR HEAVY DUTY PAVT). CONTROL JOINTS SHOULD BE CUT WITHIN 6 HOURS OF CONCRETE PLACEMENT. SAWCUT JOINT DEPTHS SHOULD BE AT LEAST 1/4 OF THE SLAB THICKNESS AND SIKA 2-C SEALANT APPLIED.
2. PROVIDE TRANSVERSE JOINTS IN PAVEMENT AS FOLLOWS:
 - A. 3/4" EXPANSION JOINTS WHERE PAVEMENT ABUTS CURBS, BUILDING, OR OTHER FIXED OBJECTS.
 - B. CONTROL JOINTS EQUALLY SPACED AT A MAXIMUM OF 10' O.C.,
3. PROVIDE LONGITUDINAL JOINTS IN PAVEMENT AS FOLLOWS:
 - A. 3/4" EXPANSION JOINTS WHERE PAVEMENT ABUTS CURBS, BUILDING, OR OTHER FIXED OBJECTS.
 - B. CONTROL JOINTS EQUALLY SPACED AT A MAXIMUM OF 10' O.C.
4. ALL SIDEWALKS SHALL HAVE CONTROL JOINTS SPACED AT A MAXIMUM OF 5' WITH EXPANSION JOINTS SPACED AT A MAXIMUM OF 20'. SEE DETAIL SHEET 700 FOR SIDEWALK DETAILS.
5. SIDEWALKS ADJACENT TO THE BUILDING SHALL HAVE THE FOLLOWING JOINT SPACING: CONTROL JOINTS - MAX OF 5'; EXPANSION JOINTS - MAX OF 20'
6. ALL SITE WORK AND PAVING MUST BE IN ACCORDANCE WITH OR SURPASS RECOMMENDATIONS OF SOILS REPORT PROVIDED BY NOVA FEB. 5-2021. IF SOILS REPORT CONFLICTS WITH DRAWINGS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE AND BE CONSIDERED TO BE THE INTENT OF THE BID DOCUMENTS.
7. DOWELS AT EXPANSION JOINTS TO BE 3/4 INCH SMOOTH BARS, 18 INCHES IN LENGTH, WITH ONE END TREATED TO SLIP, SPACED AT 12 INCHES ON CENTERS AT EACH JOINT.
8. SEE C-702 FOR TYPICAL JOINT DETAILS.
9. EXPANSION JOINTS FOR SIDEWALKS ALONG FDOT ROADWAYS ARE TO BE INSTALLED PER FDOT STDS. - EXPANSION JOINTS TO BE SPACED EVERY 100' AND WHERE IT TOUCHES CURB OR COLD JOINTS.

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

This item has been digitally signed and sealed by John Nourzad, PE, on 09/12/2023.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



811
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ATWELL
 866.850.4200 www.atwell-group.com
 9001 AIRPORT FREEWAY, SUITE 660
 NORTH RICHLAND HILLS, TX 76180
 972.956.9860

CEFCO-WEST SPENCERFIELD RD & FL SR-10
 COSTORDE, LLC
 CONSTRUCTION PLANS
 PAVING PLAN

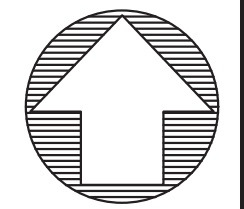
DATE: 2023-09-06

REVISIONS

Digitally signed by John Nourzad
 Date: 2024.03.06 17:08:53 -0500

DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 2100648
 FILE CODE: #
 SHEET NO. C210

NOT ISSUED FOR CONSTRUCTION



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24 HOUR EMERGENCY CONTACT

ATWELL
 866.850.4200 www.atwell-group.com
 9001 AIRPORT FREEWAY, SUITE 660
 NORTH RICHLAND HILLS, TX 76180
 972.356.8660



GRADING LEGEND (PROPOSED):

- 123 --- EXISTING MINOR CONTOURS
- 123 --- EXISTING MAJOR CONTOURS
- 123 --- PROPOSED MINOR CONTOUR
- 123 --- PROPOSED MAJOR CONTOUR
- --- PROPOSED BREAK LINE
- x 123.4 PROPOSED SPOT ELEV
- 2% SLOPE ARROW
- x 123.4 TW TOP OF RETAINING WALL
- x 123.4 BW BOTTOM OF RETAINING WALL
- PROPOSED STORM SEWER PIPE
- PROPOSED MITERED HEADWALL WITH SAFETY END TREATMENT

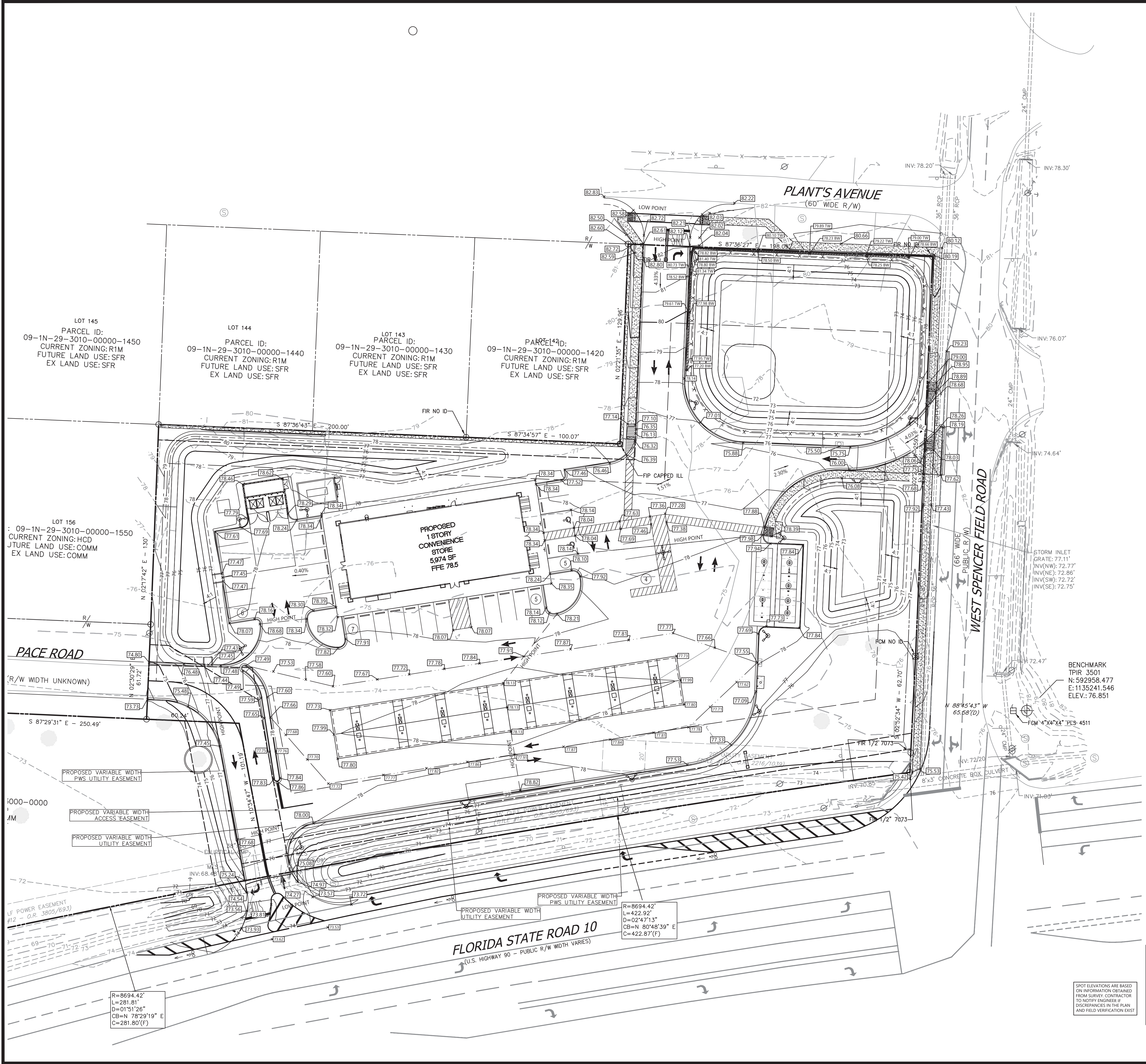
GRADING NOTES:

1. GRADES SHOWN ARE PROPOSED FINISHED GRADES AT FACE OF CURB OR TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
2. THE INFORMATION PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM A SURVEY PROVIDED BY GUSTIN, COTHERN, & TUCKER, INC.
3. THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
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11. REMOVE EXISTING TOPSOIL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, PRIOR TO PLACEMENT OF ANY FILL MATERIAL.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH COUNTY STANDARDS, FLORIDA STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH.
13. DRAINAGE SHOULD BE MAINTAINED AWAY FROM THE FOUNDATIONS, BOTH DURING AND AFTER CONSTRUCTION.

NOTES:

- ***SEE DETAIL SHEET C700 FOR PAVEMENT SECTION.
- ***SEE GEOTECH REPORT FOR NOTES ON NATIVE SOIL CONDITION - GC TO ENSURE 18" OF FREE-DRAINING SUB-GRADE SOILS
- TOTAL HAUL OFF = ±12,350 CUBIC YARDS
- TOTAL IMPORT OF FREE-DRAINING SUB-GRADE SOIL = ±4,900 CUBIC YARDS

SPOT ELEVATIONS ARE BASED ON INFORMATION OBTAINED FROM SURVEY. CONTRACTOR TO NOTIFY ENGINEER IF DISCREPANCIES IN THE PLAN AND FIELD VERIFICATION EXIST



LOT 145
 PARCEL ID: 09-1N-29-3010-0000-1450
 CURRENT ZONING: R1M
 FUTURE LAND USE: SFR
 EX LAND USE: SFR

LOT 144
 PARCEL ID: 09-1N-29-3010-0000-1440
 CURRENT ZONING: R1M
 FUTURE LAND USE: SFR
 EX LAND USE: SFR

LOT 143
 PARCEL ID: 09-1N-29-3010-0000-1430
 CURRENT ZONING: R1M
 FUTURE LAND USE: SFR
 EX LAND USE: SFR

LOT 142
 PARCEL ID: 09-1N-29-3010-0000-1420
 CURRENT ZONING: R1M
 FUTURE LAND USE: SFR
 EX LAND USE: SFR

LOT 156
 : 09-1N-29-3010-0000-1550
 CURRENT ZONING: HCD
 FUTURE LAND USE: COMM
 EX LAND USE: COMM

PROPOSED 1 STORY CONVENIENCE STORE
 5,974 SF
 FFE 78.5

PROPOSED VARIABLE WIDTH PWS UTILITY EASEMENT

PROPOSED VARIABLE WIDTH ACCESS EASEMENT

PROPOSED VARIABLE WIDTH UTILITY EASEMENT

R=8694.42'
 L=281.81'
 D=01°51'26"
 CB=N 78°29'19" E
 C=281.80'(F)

R=8694.42'
 L=422.92'
 D=02°47'13"
 CB=N 80°48'39" E
 C=422.87'(F)

FLORIDA STATE ROAD 10
 (U.S. HIGHWAY 90 - PUBLIC R/W WIDTH VARIES)

9 & 16
 WEST SPENCERFIELD RD & FL SR-10
 PACE
 SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
 COSTORDE, LLC
 CONSTRUCTION PLANS
 GRADING PLAN

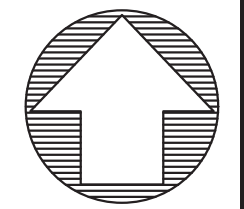
DATE 2023-09-06
 08-15-2023

REVISIONS

Digitally signed by John Nourzad
 Date: 2024.03.06 17:09:38 -0500

SCALE: 1"=30'
 DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: ##
 SHEET NO. C300

FILE NAME: S:\11000648_11034_PRODUCTION\11000648-C300_Grading\Plan\Grading Plan.dwg
 PLOTTED BY: jkg
 DATE: 3/6/2024 3:02 PM
 PLOTTER: HP DesignJet 2000
 PLOT SCALE: 1"=30'
 PLOT SHEETS: 1
 PLOT STATUS: SUCCESS



Know what's below.
Call before you dig.
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NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR INJURIES TO PERSONS OR PROPERTY OF ANY KIND WHICH MAY OCCUR AS A RESULT OF THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

24 HOUR EMERGENCY CONTACT

ATWELL
www.atwell-group.com
866.850.4200
9001 AIRPORT FREEWAY, SUITE 660
NORTH RICHLAND HILLS, TX 76180
972.356.8660



9 & 16 WEST SPENCERFIELD RD & FL SR-10 PACE SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10 COSTORDE, LLC CONSTRUCTION PLANS PRE DEVELOPMENT DAM

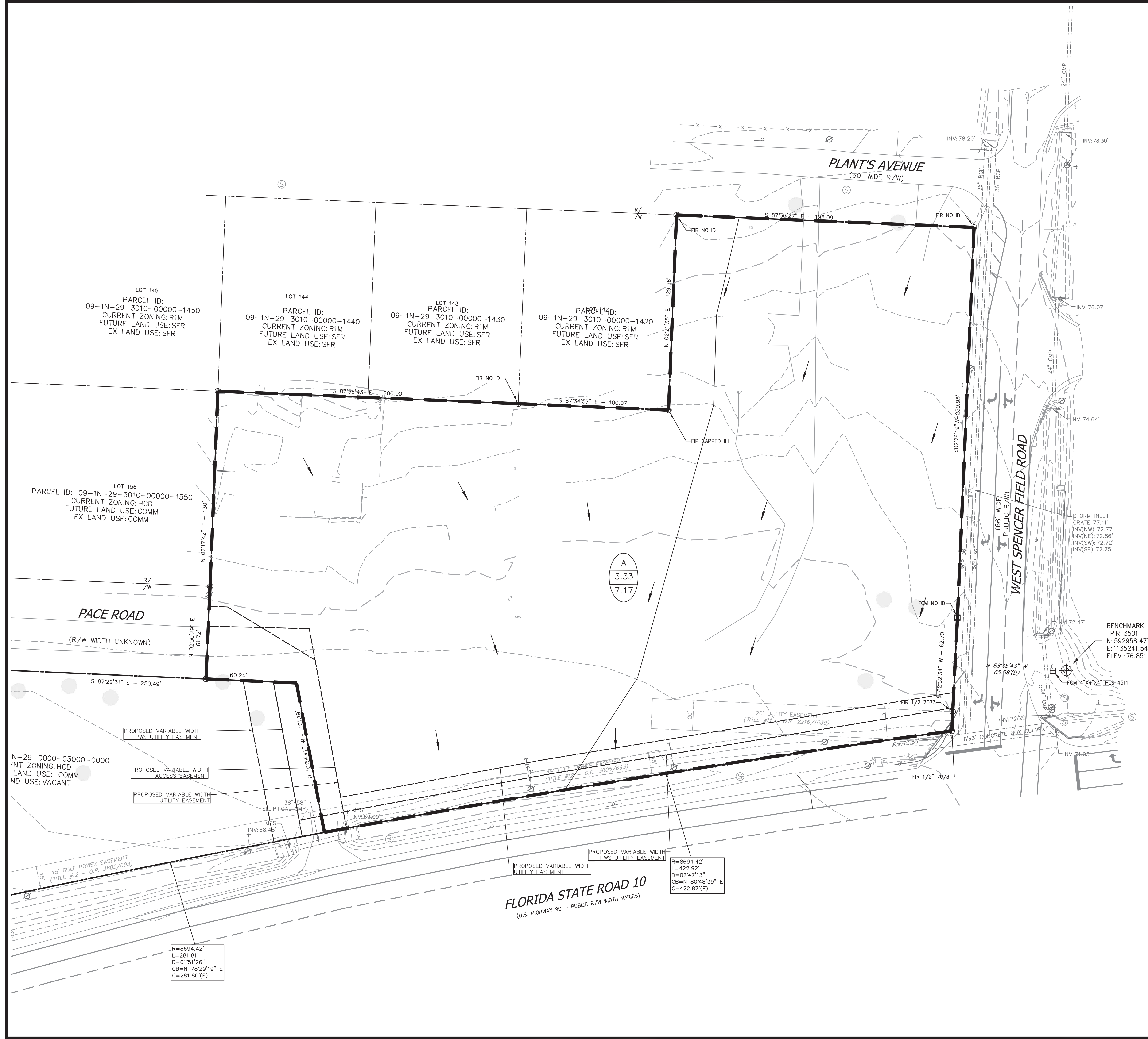
DATE 2023-09-06

REVISIONS

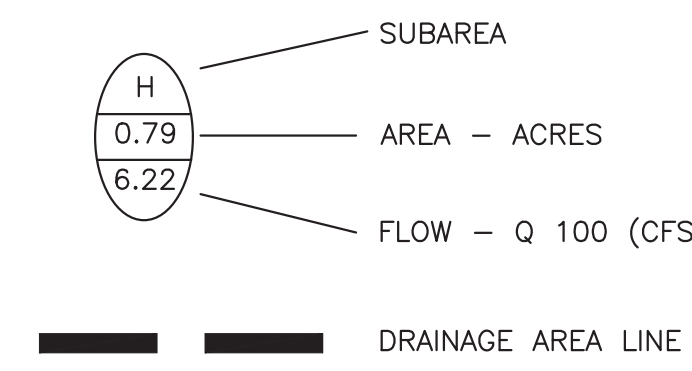
Digitally signed by John Nourzadfar Date: 2024.05.06 17:10:04

SCALE: 1"=30'
DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: ##
SHEET NO. C310

NOT ISSUED - FOR CONSTRUCTION



DRAINAGE LEGEND:



Q = CIA
C = 0.30 FOR GRASS AREAS
I = 7.4
A = AREA

DRAINAGE NOTES:

1. THE DEVELOPER, THROUGH HIS ENGINEER OR AUTHORIZED REPRESENTATIVE, SHALL ACQUIRE ALL REQUIRED NATIONWIDE PERMITS, SUCH AS CWA 401, 402 AND/OR 404 PERMITS, AS APPROPRIATE, FROM THE USEPA, AND/OR USACE.
2. TOPOGRAPHICAL INFORMATION IS PRESENTED FOR DRAINAGE ANALYSIS PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
3. TOPOGRAPHICAL INFORMATION PRESENTED HEREIN IS DERIVED FROM SURVEY AS PROVIDED BY WEYGAND WILSON SURVEYORS

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

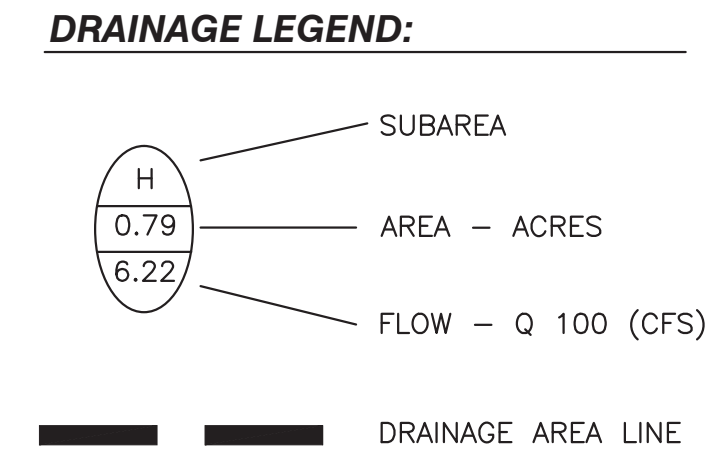
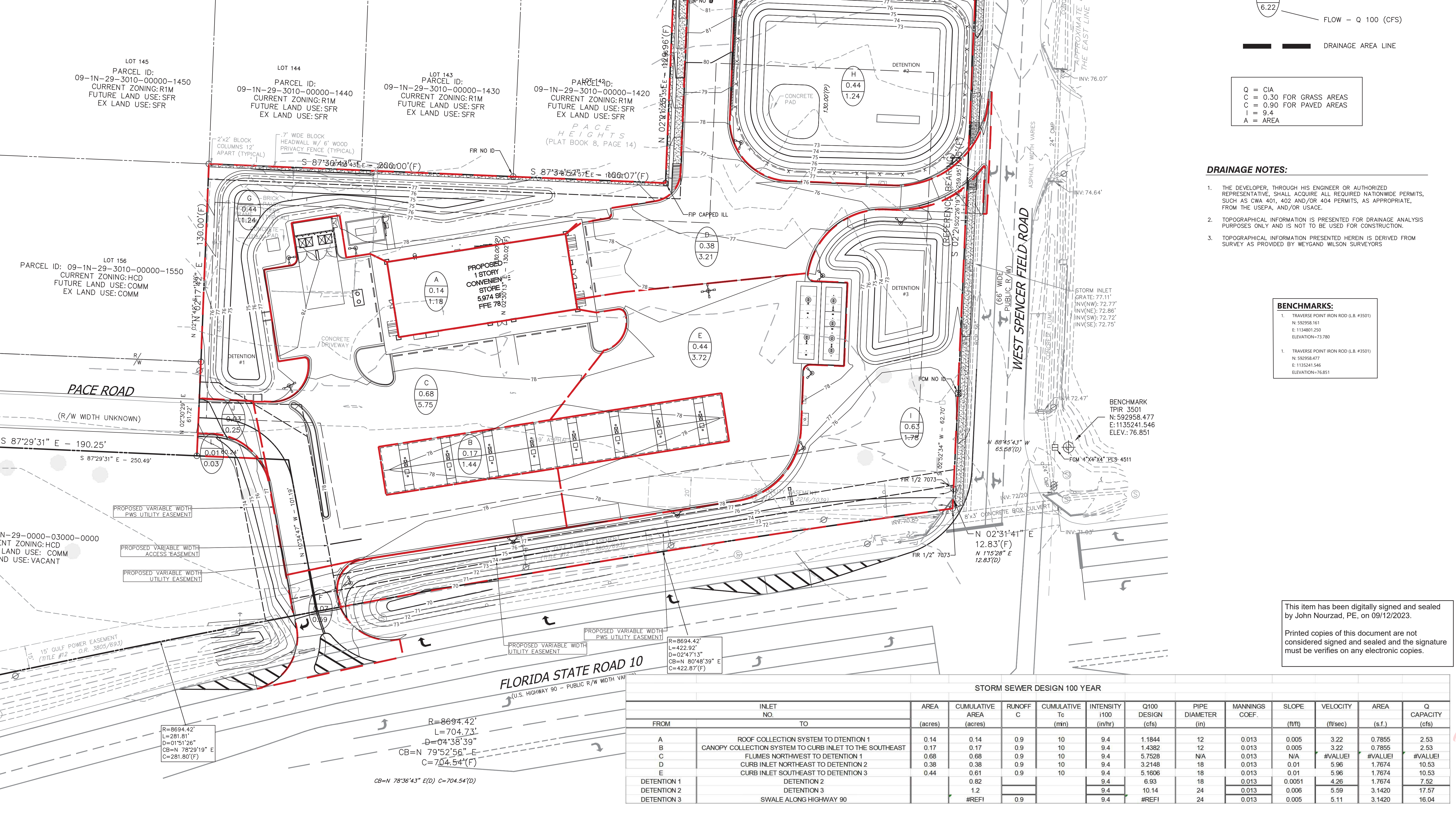
THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

This item has been digitally signed and sealed by John Nourzadfar, PE, on 09/12/2023.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FILE NAME: S:\21000648\10\104 PRODUCTION\1000648-C310 PRE DEVELOPMENT DAM.dwg LAST SAVED BY: JKH 07/17/2023 9:44 AM PLOTTED BY: NUMBERS 08/17/2023 PAPER: A000 FULL BLEED 0 (24.00 X 36.00 INCHES) PLOT DATE: 08/17/2023 PLOT STYLE: ATWELL.DWT

POST-DEVELOPED DRAINAGE SUMMARY												
CEFCO - PACE, AL												
DRAINAGE AREA	AREA (AC)	Tc (MIN)	C-VALUE (10yr)	I (10 yr) (in/hr)	Q (10 yr) (cfs)	C-VALUE (50 yr)	I (50 yr) (in/hr)	Q (50 yr) (cfs)	C-VALUE (100 yr)	I (100 yr) (in/hr)	Q (100 yr) (cfs)	REMARKS
A	0.14	10.00	0.90	7.00	0.88	0.90	8.70	1.10	0.90	9.40	1.18	TO ROOF COLLECTION SYSTEM
B	0.17	10.00	0.90	7.00	1.07	0.90	8.70	1.33	0.90	9.40	1.44	TO CANOPY COLLECTION SYSTEM
C	0.68	10.00	0.90	7.00	4.28	0.90	8.70	5.32	0.90	9.40	5.75	TO PROPOSED FLUMES ON NORTHWEST
D	0.38	10.00	0.90	7.00	2.39	0.90	8.70	2.98	0.90	9.40	3.21	TO PROPOSED CURB INLET NORTHEAST
E	0.44	10.00	0.90	7.00	2.77	0.90	8.70	3.45	0.90	9.40	3.72	TO PROPOSED CURB INLET SOUTHEAST
F	0.07	10.00	0.90	7.00	0.44	0.90	8.70	0.55	0.90	9.40	0.59	TO THE SWALE SOUTHWEST USING CURB OPENING
G	0.44	10.00	0.30	7.00	0.92	0.30	8.70	1.15	0.30	9.40	1.24	TO PROPOSED DETENTION 1
H	0.44	10.00	0.30	7.00	0.92	0.30	8.70	1.15	0.30	9.40	1.24	TO PROPOSED DETENTION 2
I	0.63	10.00	0.30	7.00	1.32	0.30	8.70	1.64	0.30	9.40	1.78	TO PROPOSED DETENTION 3
J	0.03	10.00	0.90	7.00	0.19	0.90	8.70	0.23	0.90	9.40	0.25	TO PROPOSED DETENTION 3 THROUGH CURB OPENING
K	0.03	10.00	0.90	7.00	0.19	0.90	8.70	0.23	0.90	9.40	0.25	TO PLANTS AVENUE
L	0.01	10.00	0.30	7.00	0.02	0.30	8.70	0.03	0.30	9.40	0.03	
TOTALS	3.46				15.41			19.16			20.70	



Q = CIA
 C = 0.30 FOR GRASS AREAS
 C = 0.90 FOR PAVED AREAS
 I = 9.4
 A = AREA

- DRAINAGE NOTES:**
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 - TOPOGRAPHICAL INFORMATION PRESENTED HEREIN IS DERIVED FROM SURVEY AS PROVIDED BY WEYGAND WILSON SURVEYORS

BENCHMARKS:

- TRAVERSE POINT IRON ROD (I.B. #3501)
 N: 592958.161
 E: 1134801.250
 ELEVATION=73.780
- TRAVERSE POINT IRON ROD (I.B. #3501)
 N: 592958.477
 E: 1135241.546
 ELEVATION=76.851

This item has been digitally signed and sealed by John Nourzad, PE, on 09/12/2023.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

STORM SEWER DESIGN 100 YEAR														
FROM	INLET NO.	TO	AREA (acres)	CUMULATIVE AREA (acres)	RUNOFF C	Tc (min)	INTENSITY I100 (in/hr)	Q100 DESIGN (cfs)	PIPE DIAMETER (in)	MANINGS COEF.	SLOPE (ft/ft)	VELOCITY (ft/sec)	AREA (s.f.)	Q CAPACITY (cfs)
A		ROOF COLLECTION SYSTEM TO DETENTION 1	0.14	0.14	0.9	10	9.4	1.1844	12	0.013	0.005	3.22	0.7855	2.53
B		CANOPY COLLECTION SYSTEM TO CURB INLET TO THE SOUTHEAST	0.17	0.17	0.9	10	9.4	1.4382	12	0.013	0.005	3.22	0.7855	2.53
C		FLUMES NORTHWEST TO DETENTION 1	0.68	0.68	0.9	10	9.4	5.7528	N/A	0.013	N/A	#VALUE!	#VALUE!	#VALUE!
D		CURB INLET NORTHEAST TO DETENTION 2	0.38	0.38	0.9	10	9.4	3.2148	18	0.013	0.01	5.96	1.7674	10.53
E		CURB INLET SOUTHEAST TO DETENTION 3	0.44	0.61	0.9	10	9.4	5.1606	18	0.013	0.01	5.96	1.7674	10.53
DETENTION 1		DETENTION 2		0.82			9.4	6.93	18	0.013	0.0051	4.26	1.7674	7.52
DETENTION 2		DETENTION 3		1.2			9.4	10.14	24	0.013	0.006	5.59	3.1420	17.57
DETENTION 3		SWALE ALONG HIGHWAY 90		#REF!	0.9		9.4	#REF!	24	0.013	0.005	5.11	3.1420	16.04

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 NORTH RICHLAND HILLS, TX 76180
 972.356.9860

CEFCO-WEST SPENCERFIELD RD & FL SR-10
 WEST SPENCERFIELD RD & FL SR-10
 PACE
 SANTA ROSA COUNTY, FLORIDA

COSTORDE, LLC
 CONSTRUCTION PLANS
 POST DEVELOPMENT DAM

DATE: 2023-09-06

REVISIONS

Digitally signed by John Nourzad, PE, on 09/12/2023 at 17:10:40
 Date: 2024.03.06 17:10:40
 SCALE: 1"=30'
 DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: #
 SHEET NO: C320

FILE NAME: S:\21000648\10104\PRODUCTION\1010044-0320 POST DEVELOPMENT DAM.dwg LAST SAVED BY: jnourzad 8/7/2023 11:45 AM PLOTTED BY: jnourzad 8/7/2023 11:45 AM PLOTTER: HP DesignJet T1100E (GENERAL) DOCUMENT PAGES: 10/17 TOTAL PAGES: 17

DRAINAGE NOTES:

- GRADES SHOWN ARE PROPOSED FINISHED GRADES.
- THE INFORMATION PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM A SURVEY PROVIDED BY GUSTIN, COTHERN, & TUCKER, INC.
- THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ANY DISCREPANCIES IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS HAVE BEEN RECEIVED.
- CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO PRIVATE OR PUBLIC PROPERTY.
- ACCESS TO UTILITIES, FIRE HYDRANTS, ETC. SHALL REMAIN UNDISTURBED AT ALL TIMES, UNLESS COORDINATED OTHERWISE.
- THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
- ALL SUBGRADE PREPARATION, PAVING, AND UTILITY TRENCHING MUST BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATING. IF THERE IS A CONFLICT BETWEEN THE SOILS REPORT AND THE PLANS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE.
- CONTRACTOR TO ENSURE COMPLIANCE WITH ANY AND ALL LAND DISTURBANCE NOTIFICATIONS REQUIREMENTS, AND THAT ALL REQUIRED EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE STATE, LOCAL, OR FEDERAL REQUIREMENTS.
- REMOVE EXISTING TOPSOIL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PRIOR TO PLACEMENT OF ANY FILL MATERIAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY STANDARDS, TEXAS STATE LAW, AND O.S.H.A. STANDARDS. EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH.
- DRAINAGE SHOULD BE MAINTAINED AWAY FROM THE FOUNDATIONS, BOTH DURING AND AFTER CONSTRUCTION.

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

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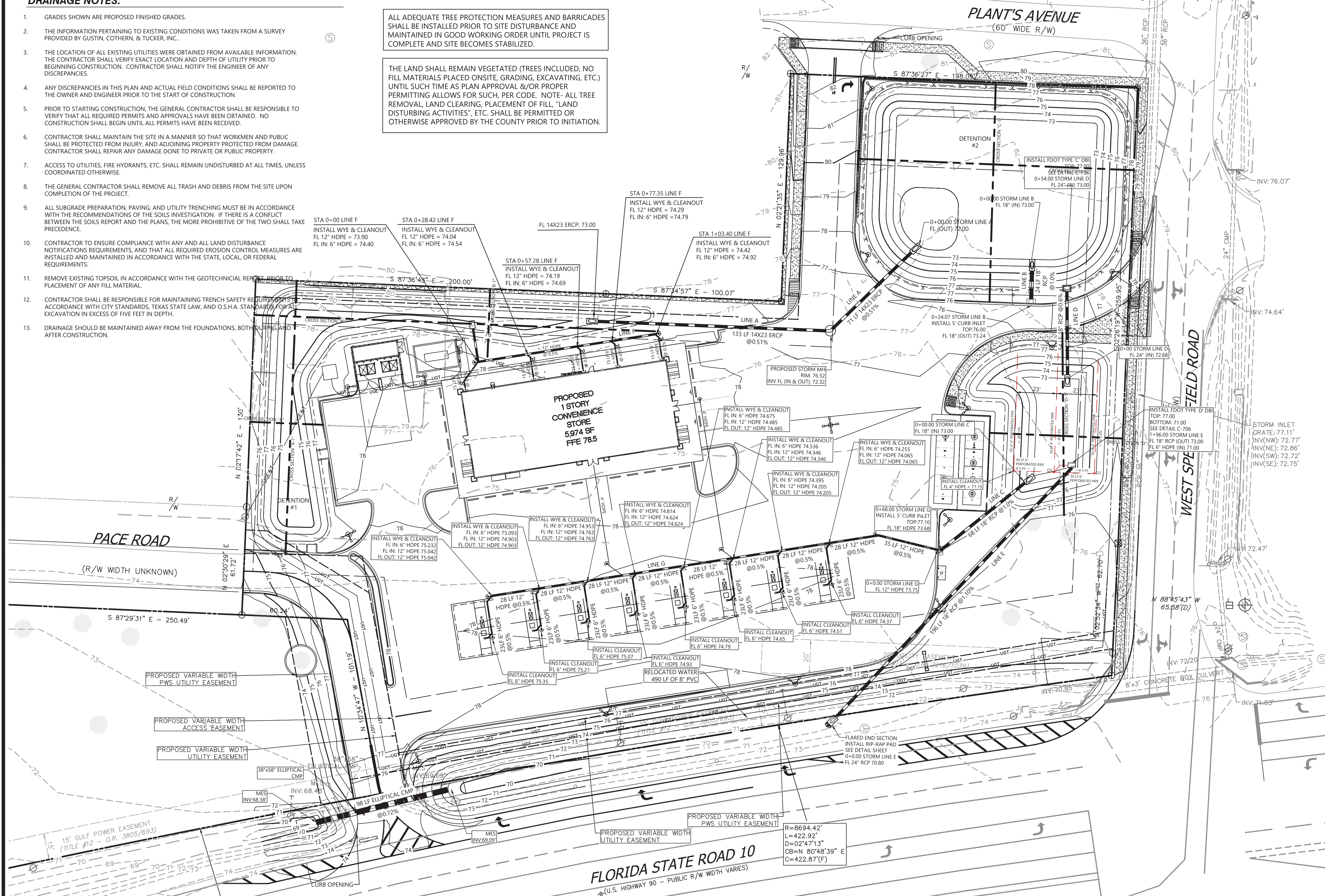
GRADING LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- - - PROPOSED RIGHT-OF-WAY
- - - PROPOSED SETBACK LINE
- - - 100 YEAR FLOOD PLAIN
- - - 123 EXISTING MINOR CONTOURS
- - - 123 EXISTING MAJOR CONTOURS
- - - 123 PROPOSED MINOR CONTOUR
- - - 123 PROPOSED MAJOR CONTOUR
- - - PROPOSED BREAK LINE
- - - EXISTING STORM LINE
- - - PROPOSED STORM LINE
- - - PROPOSED RETAINING WALL
- ▲ PROPOSED SPOT ELEV
- ▲ SLOPE ARROW
- GRATE INLET
- STORM MANHOLE
- DOUBLE WING CATCH BASIN
- SINGLE WING CATCH BASIN
- AREA INLET
- OUTLET CONTROL STRUCTURE
- HEADWALL
- SANITARY SEWER MANHOLE

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EMERGENCY CONTACT
 24 HOUR
 866.850.4200 www.atwell-group.com
 9001 AIRPORT FREEWAY, SUITE 660
 NORTH RICHLAND HILLS, TX 76180
 972.656.9860



THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO SANTA ROSA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY SANTA ROSA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.

ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.

NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER, SANTA ROSA COUNTY & THE CITY OF GULF BREEZE. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.

THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.

RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.

ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDRO-SEED AND/OR SOD.

ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.

CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.

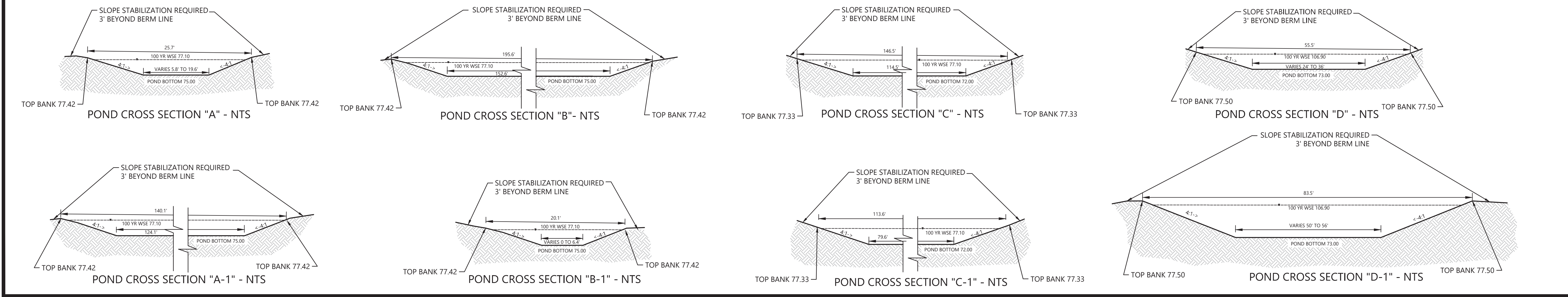
THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY/CITY FOR A FINAL INSPECTION OF THE DEVELOPMENT, UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

CONTRACTOR SHALL OBTAIN BUILDING INSPECTION DEPARTMENT PERMITS FOR ANY RETAINING WALL HIGHER THAN 2 FEET.

NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W, 1-800-432-4770.

ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGNOFF FROM THE COUNTY.

THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.



BENCHMARKS:

- TRAVERSE POINT IRON ROD (L.B. #3501)
 N: 592958.161
 E: 1134801.250
 ELEVATION=73.780
- TRAVERSE POINT IRON ROD (L.B. #3501)
 N: 592958.477
 E: 1135241.546
 ELEVATION=76.851

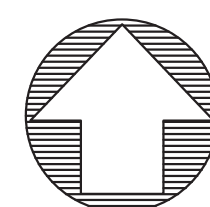
9 & 16	WEST SPENCERFIELD RD & FL SR-10	PACE	SANTA ROSA COUNTY, FLORIDA
CEFCO-WEST SPENCERFIELD RD & FL SR-10	COSTORDE, LLC	CONSTRUCTION PLANS	DRAINAGE PLAN
DATE	2023-09-06	REVISIONS	

Digitally signed by
Joun Zouardfar
 Date: 2024.03.06
 17:11:11
 -05'00'

SCALE: 1"=30'

DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: ##
 SHEET NO: C330

FILE NAME: S:\21000648\11304 PRODUCTION\21000648-C330 DRAINAGE PLAN.dwg LAST SAVED BY: mshp 1/4/2024 4:52 PM PLotted By: jkg Date: 3/6/2024 PAPER: ARCH FILE BEED © (2400 x 3400) (MKS) DEVICE: HP DesignJet 3630 PS PLOTTER (HP)



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24 HOUR EMERGENCY CONTACT

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 NORTH RICHLAND HILLS, TX 76180
 972.656.9860



WEST SPENCERFIELD RD & FL SR-10
 PACE
 SANTA ROSA COUNTY, FLORIDA

9 & 16
 WEST SPENCERFIELD RD & FL SR-10
 PACE
 SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
 COSTORDE, LLC
 CONSTRUCTION PLANS
 UTILITY PLAN

DATE: 2023-09-06
 10-10-2022

REVISIONS
 Digitally signed by John Nourzadfa
 Date: 2024.03.06 17:11:52
 05'00"
 SCALE: 1"=30'

DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: #
 SHEET NO.

NOT-ISSUED-FOR-CONSTRUCTION
 C400

UTILITY LEGEND:

- PROPERTY LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- WATERLINE FITTINGS
- GATE VALVE
- WATERLINE CAP
- TAPPING SADDLE OR SLEEVE
- BACKFLOW PREVENTION DEVICE PER CITY STANDARDS
- FIRE HYDRANT
- PROPOSED WATER METER (SEE SIZE THIS SHEET)
- LOCATION OF GAS METER
- POWER POLE

UTILITY PLAN NOTES

- CONTRACTOR TO HAVE ALL FILL MATERIAL IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARD TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- CONTRACTOR SHALL NOTIFY UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE COMMENCING ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 6" PVC SCHEDULE 40
 8" AND 10" PVC SDR26
- WATER LINE SHALL BE AS FOLLOWS:
 A. PIPE SIZES LESS THAN 3-INCHES THAT ARE INSTALLED BELOW GRADE AND OUTSIDE THE BUILDING SHALL COMPLY WITH THE FOLLOWING:
 1. ENDOPURE - ASTM D2737, 200 PSI - PE 4710/PE 3408
 B. PIPE SIZES 3-INCHES OR GREATER THAT ARE INSTALLED BELOW GRADE AND OUTSIDE THE BUILDING SHALL COMPLY WITH THE FOLLOWING:
 1. POLYVINYL CHLORIDE (PVC) WATER PIPE, PIPE, AWWA C900, RATED DR 18 (CLASS 150), CONTINUALLY MARKED AS REQUIRED.
 a. ELASTOMERIC GASKETS AND LUBRICANT, ASTM - F477 FOR SMALLER PIPES.
 b. PIPE JOINTS: INTEGRALLY MOLDED BELL ENDS, ASTM D 3139
 2. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
 3. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS FOR WATER MAINS.
 4. WATER AND SANITARY SEWER SHOULD BE KEPT TEN (10) APART (PARALLEL) OR 18" APART WHEN CROSSING (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
 5. CONTRACTOR SHALL MAINTAIN 3'-0" COVER ON ALL WATERLINES.
 6. ALL UTILITIES SHALL BE KEPT TEN (10) APART (PARALLEL) OR 18" APART WHEN CROSSING (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
 7. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS (WHEN PLACED IN GRASS AREA).
 8. ALL CONCRETE FOR ENCASUREMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH AT 3000 P.S.I.
 9. DRAWINGS DON'T PURPORT TO SHOW ALL EXISTING UTILITIES.
 10. EXISTING UTILITIES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF ANY NEW LINES. REFER TO INTERIOR PLUMBING FOR TIE-IN ON ALL UTILITIES.
 11. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
 12. CONTRACTOR TO PROVIDE TRENCHING, CONDUIT, PULL WIRE, AND BACKFILL FOR TELEPHONE AND ELECTRIC LINES UNLESS OTHERWISE NOTED.
 13. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SEWER FACILITY FOR CONNECTION OR USE BY THIS PROJECT. THE RELOCATION OF ANY WATER/SEWER FACILITY REQUIRED TO AVOID ANY PART OF THIS DEVELOPMENT IS THE RESPONSIBILITY OF THE DEVELOPER.
 14. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING AND ELECTRICAL PLANS.
 15. ALL WATER SERVICE AND FIRE LINES AFTER THE WATER METER LOCATED IN THE VAULT WILL BE PRIVATE LINE AND THE RESPONSIBILITY OF THE OWNER.
 16. NO UTILITIES/STORM/SANITARY LINES ARE ALLOWED TO CROSS PETROLEUM PIPING.
 17. ALL PUBLIC WATER MAINS MUST BE LOCATED IN RECORDED EASEMENTS.
 18. ALL CONSTRUCTION TO CONFORM TO APPLICABLE CITY/COUNTY SPECIFICATIONS AND IN ACCORDANCE WITH CITY/COUNTY ORDINANCES.
 19. GENERAL CONTRACTOR TO PROVIDE ALTERNATE BID FOR OVERHEAD ELECTRIC AND TELEPHONE SERVICE LINES TO BE MINIMUM 16' CLEAR ABOVE FINISHED GRADE.
 20. THE SEWER FORCE MAIN SHALL COMPLY WITH SECTION 712.4.2 CAPACITY SEE TABLE 712.4.2 DIAMETER OF THE DISCHARGE PIPE AND CAPACITY OF PUMP OR EJECTOR. EXCEPTIONS, GRINDER PUMPS OR GRINDER EJECTORS THAT RECEIVE THE DISCHARGE OF WATER CLOSETS SHALL HAVE A DISCHARGE OPENING OF NOT LESS THAN 1/2" INCH.
 21. A UTILITY PERMIT FROM THE COUNTY ROAD AND BRIDGE DEPARTMENT IS REQUIRED BEFORE COMMENCING WORK IN A COUNTY RIGHT-OF-WAY.

SANITARY SEWER SERVICE NOTES

PACE WATER SYSTEM, INC.
 (WATER & SEWER)
 4401 WOODBINE RD.
 PACE, FL 32571
 PHONE: (850) 994-5129
 EMAIL: RLEE@PACEWATER.ORG
 CONTACT: RACHEL LEE

- PROPOSED 6" PVC GRAVITY SANITARY SEWER CONNECTION TO EXISTING SAN SEWER MANHOLE
- SANITARY SEWER SERVICE LINE (6" PVC)
- SANITARY SEWER CLEAN OUT PER LOCAL CODES
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF UTILITY ENTRANCE INTO THE BUILDING.
- GREASE TRAP - REF MEP PLANS FOR DETAILS & SPECS
- SAMPLE WELL - REF MEP PLANS FOR DETAILS & SPECS

GAS SERVICE NOTES

CITY OF MILTON
 6738 DIXON STREET
 MILTON, FL 32571
 PHONE: (850) 336-0866
 EMAIL: DRICE@MILTONFL.ORG
 CONTACT: DAN RICE

- CONNECT 2" NEW SERVICE TO EXISTING GAS MAIN.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING 1-3" CONDUITS WITH NO 90° BENDS. ALL BENDS TO BE SWOOPS. PROVIDE PULL STRINGS
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF GAS ENTRANCE INTO THE BUILDING.

PACE WATER SYSTEM NOTES:

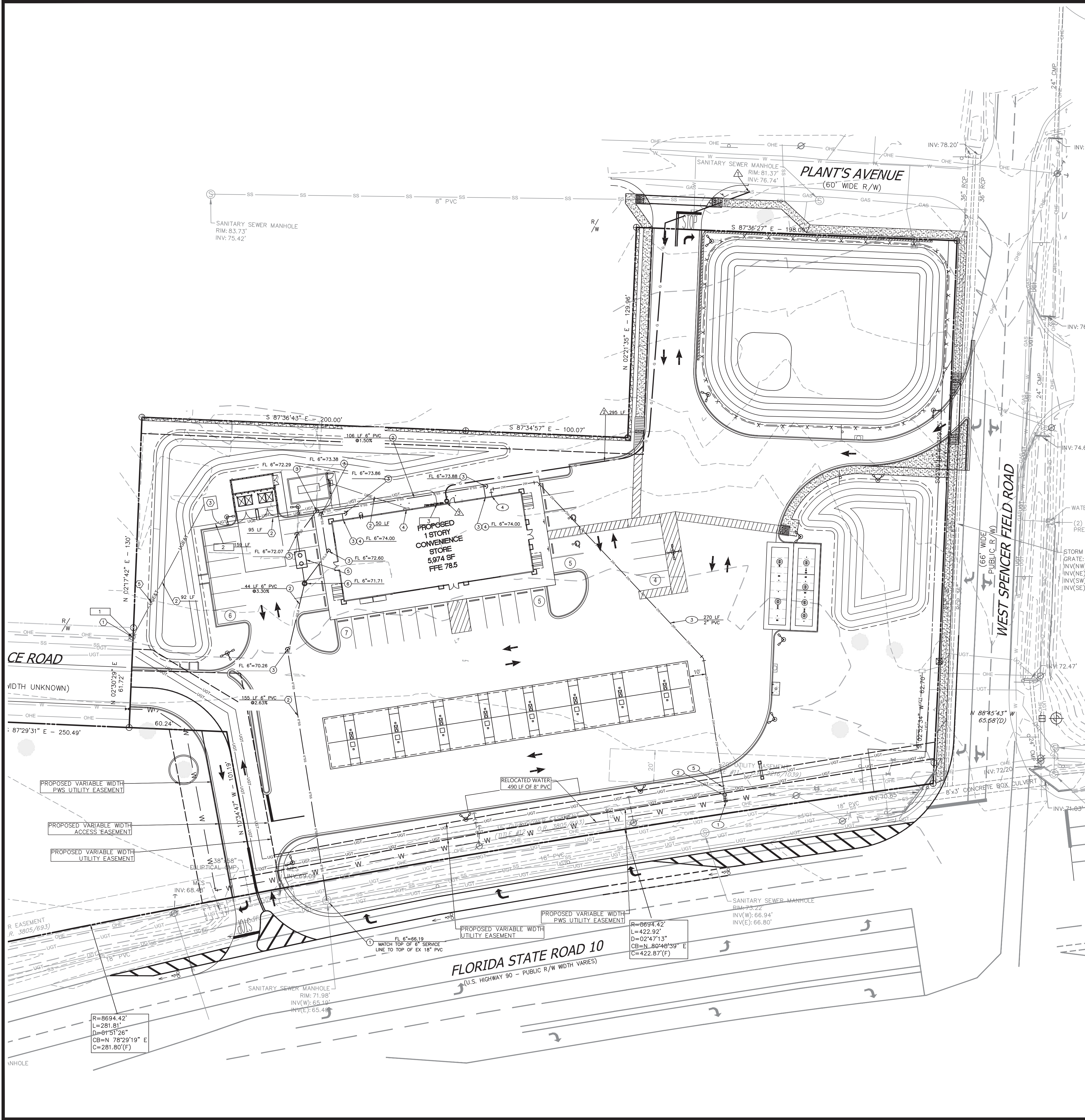
- CONTRACTOR SHALL CONTACT PWS AT LEAST 48 HOURS PRIOR TO CONNECTION OF PROPOSED FACILITIES TO EXISTING PWS FACILITIES. PWS PERSONNEL SHALL BE PRESENT FOR ALL TAPS.
- ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE PRIVATELY OWNED, OPERATED, AND MAINTAINED.
- CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENT OF EXISTING UTILITIES IF PROPOSED IMPROVEMENTS IMPACT EXISTING UTILITIES.
- NO PRESSURE PIPING OR FITTINGS SHALL BE ALLOWED UNDER ANY PROPOSED PAVING INCLUDING SIDEWALKS, FLUMES, ROADWAYS, ETC.
- CONTRACTOR SHALL HAVE AT MINIMUM ONE SET OF PLANS APPROVED BY PWS ON THE JOB SITE.
- SUBMITTALS ON ALL MATERIAL LOCATED IN THE RIGHT-OF-WAY SHALL BE SUBMITTED TO PWS FOR APPROVAL PRIOR TO CONSTRUCTION.
- ANY DEVIATIONS OF THE FINISHED GRADE FROM APPROVED CONSTRUCTION PLANS THAT AFFECT ANY WATER, SEWER, OR RECLAIMED WATER MAINS AND/OR SERVICES MUST BE ADJUSTED TO REQUIRED DEPTHS AT DEVELOPER'S EXPENSE.
- ENSURE 3' SEPARATION BETWEEN PRESSURE PIPING AND SIDEWALK.
- ALL GRAVITY SEWER SHALL BE SDR 26 AND COLORED GREEN (TO INCLUDE LATERALS AS WELL).
- VIDEO INSPECT ALL GRAVITY SEWER MAINS AND LATERALS AND PROVIDE TO PWS PRIOR TO ACCEPTANCE. ALL MAINS AND SERVICES TO BE CLEANED PRIOR TO VIDEO INSPECTION.

WATER SERVICE NOTES

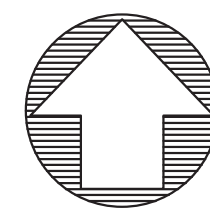
PACE WATER SYSTEM, INC.
 (WATER & SEWER)
 4401 WOODBINE RD.
 PACE, FL 32571
 PHONE: (850) 994-5129
 EMAIL: RLEE@PACEWATER.ORG
 CONTACT: RACHEL LEE

- LOCATION OF 8"x1.5" TAPPING SADDLE CONNECTION TO PROPOSED 8" WATER MAIN. (SERVICE LINES TO METER TO BE 1.5")
- 1-1/2" DOMESTIC METER (PER PACE WATER STDS)
- 2" DOMESTIC SERVICE LINE (POLYPIPE)
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF UTILITY ENTRANCE INTO THE BUILDING.
- 2" R.P.Z.A. BACKFLOW DEVICE (DOM)

NOTE:
 CUT AND CAP ANY EXISTING WATER/SEWER SERVICES NOT BEING UTILIZED.



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 PLOT DEVICE: HP DesignJet 560cm
 PLOT STATUS: SUCCESS
 PLOT TIME: 0:04:00
 PLOT SIZE: 11x17
 PLOT SHEETS: 1
 PLOT SHEET NO: 10104
 PLOT SHEET TOTAL: 1
 PLOT SHEET NAME: 10104 UTILITY PLAN.dwg



Know what's below.
Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THE CONTRACTOR WHICH MAY BE EXACTLY LOCATED AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OR PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

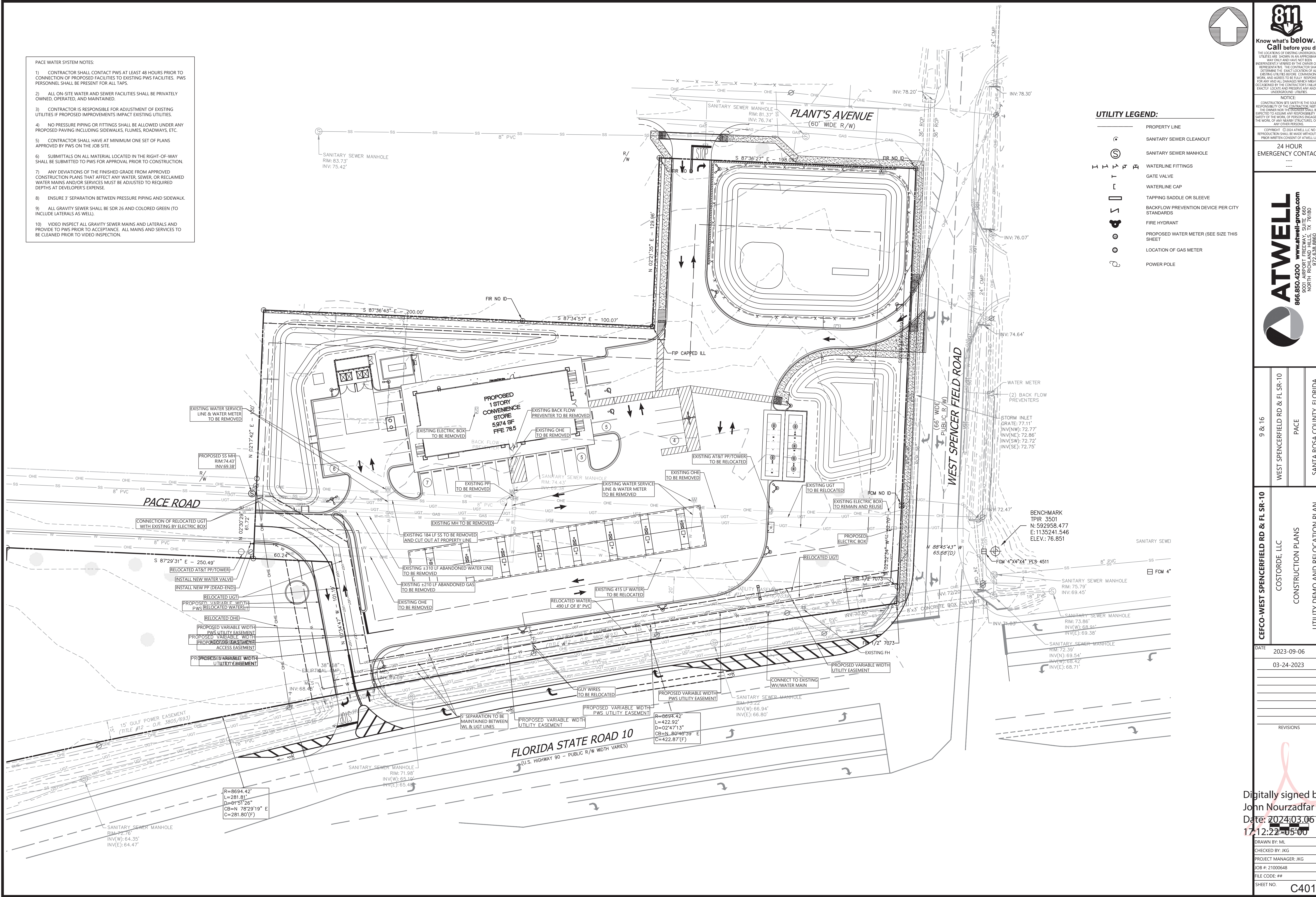
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24 HOUR EMERGENCY CONTACT

- PACE WATER SYSTEM NOTES:
- CONTRACTOR SHALL CONTACT PWS AT LEAST 48 HOURS PRIOR TO CONNECTION OF PROPOSED FACILITIES TO EXISTING PWS FACILITIES. PWS PERSONNEL SHALL BE PRESENT FOR ALL TAPS.
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 - CONTRACTOR SHALL HAVE AT MINIMUM ONE SET OF PLANS APPROVED BY PWS ON THE JOB SITE.
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 - ANY DEVIATIONS OF THE FINISHED GRADE FROM APPROVED CONSTRUCTION PLANS THAT AFFECT ANY WATER, SEWER, OR RECLAIMED WATER MAINS AND/OR SERVICES MUST BE ADJUSTED TO REQUIRED DEPTHS AT DEVELOPER'S EXPENSE.
 - ENSURE 3' SEPARATION BETWEEN PRESSURE PIPING AND SIDEWALK.
 - ALL GRAVITY SEWER SHALL BE SDR 26 AND COLORED GREEN (TO INCLUDE LATERALS AS WELL).
 - VIDEO INSPECT ALL GRAVITY SEWER MAINS AND LATERALS AND PROVIDE TO PWS PRIOR TO ACCEPTANCE. ALL MAINS AND SERVICES TO BE CLEANED PRIOR TO VIDEO INSPECTION.

UTILITY LEGEND:

	PROPERTY LINE
	SANITARY SEWER CLEANOUT
	SANITARY SEWER MANHOLE
	WATERLINE FITTINGS
	GATE VALVE
	WATERLINE CAP
	TAPPING SADDLE OR SLEEVE
	BACKFLOW PREVENTION DEVICE PER CITY STANDARDS
	FIRE HYDRANT
	PROPOSED WATER METER (SEE SIZE THIS SHEET)
	LOCATION OF GAS METER
	POWER POLE



9 & 16
WEST SPENCERFIELD RD & FL SR-10
PACE
SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
COSTORDE, LLC
CONSTRUCTION PLANS
UTILITY DEMO AND RELOCATION PLAN

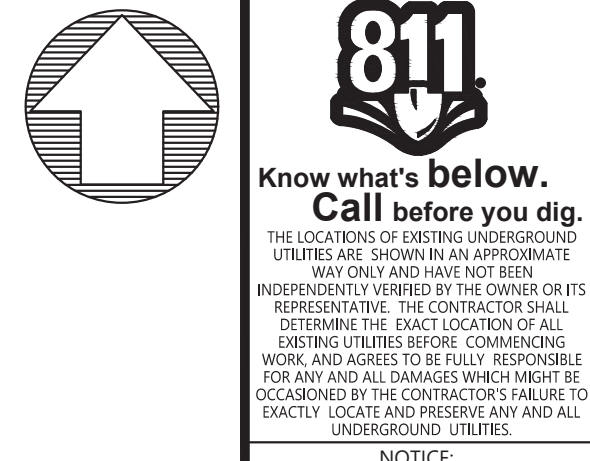
DATE 2023-09-06
03-24-2023

REVISIONS

Digitally signed by
John Nourzadfar
Date: 2024.03.06
17:12:22 -0500

DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: ##
SHEET NO: C401

NOT-ISSUED-FOR-CONSTRUCTION CA FILE 21000648-001 UTILITY DEMO AND RELOCATION PLAN



Know what's below. Call before you dig. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THE CONTRACTOR OR SUBMITTER TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR INJURIES TO PERSONS OR PROPERTY THAT MAY OCCUR DURING THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

24 HOUR EMERGENCY CONTACT

ATWELL
866.850.4200 www.atwell-group.com
9001 AIRPORT FREEWAY, SUITE 660
NORTH RICHLAND HILLS, TX 76180
972.656.9860

WEST SPENCERFIELD RD & FL SR-10
PACE
SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
COSTORDE, LLC
CONSTRUCTION PLANS
EROSION CONTROL PLAN

DATE: 2023-09-06

REVISIONS

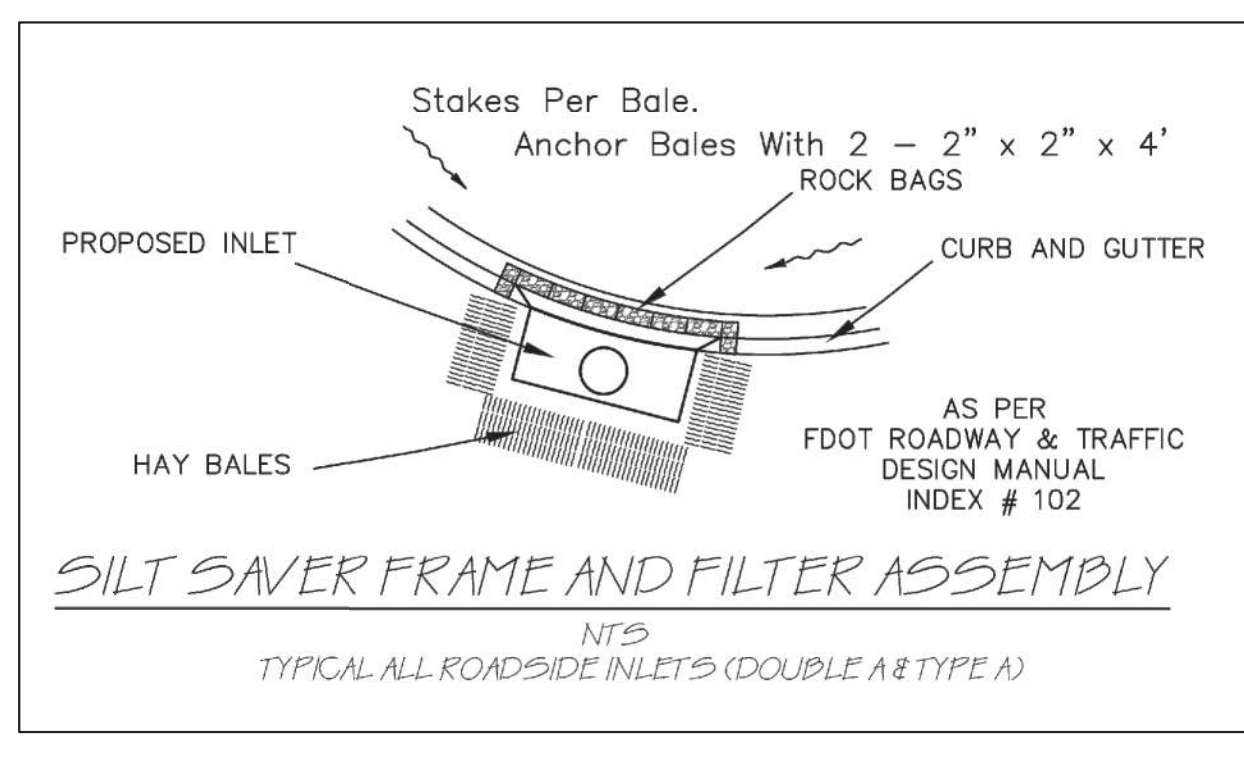
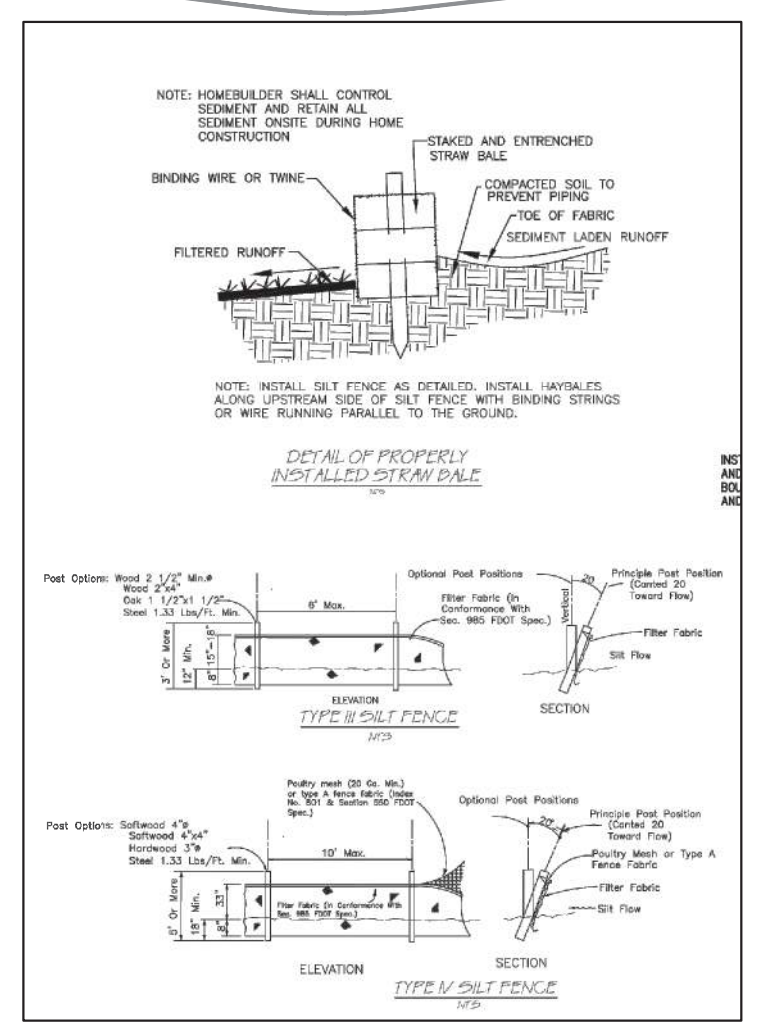
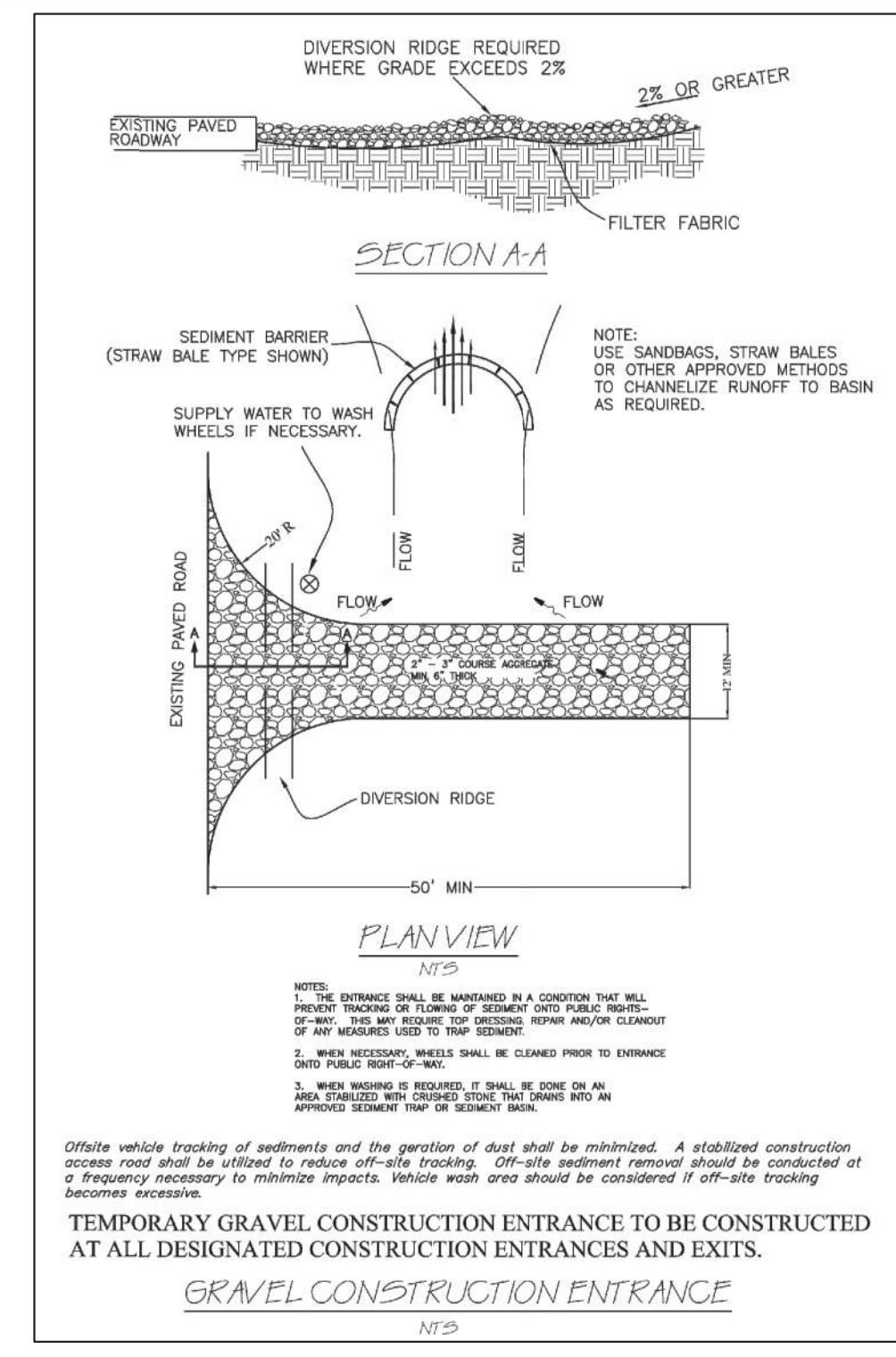
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DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: ##
SHEET NO: C500

NOTES:

- 1. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST EROSION AND SEDIMENT CONTROL REGULATIONS FOR THE STATE, COUNTY, AND/OR CITY.
- 2. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES, AND MAINTAINED DURING SUCH ACTIVITIES.
- 3. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOILED DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC. FROM THE DRAINAGE AREAS SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
- 4. EROSION CONTROL MEASURES ARE TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES. WIRE REINFORCED BACKING (TYPE C) SILT FENCE TO BE USED UNLESS OTHERWISE INDICATED.
- 5. SILT FENCE MUST MEET REQUIREMENTS OF THE SPECIFICATIONS CONTAINED IN THE CONSTRUCTION DETAILS OR AN EQUIVALENT PRODUCT APPROVED BY THE OWNER'S REPRESENTATIVE.
- 6. PRIOR TO ANY OTHER CONSTRUCTION A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE BUILT. THE CONSTRUCTION ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
- 7. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS. IF WETLANDS EXIST ON-SITE, ANY CLEARING MUST BE IN ACCORDANCE WITH THE WETLANDS PERMIT.
- 8. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- 9. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
- 10. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
- 11. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 12. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- 13. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL. IN THE SEDIMENTATION POND, SEDIMENT REMOVAL IS REQUIRED WHEN SEDIMENT REACHES THE ELEVATION CORRESPONDING TO CLEANOUT BASIN.
- 14. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
- 15. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- 16. ALL OPEN SWALES MUST BE GRASSED AND/OR RIP-RAP PLACED AS REQUIRED TO CONTROL EROSION. A MINIMUM OF 4.5 SQUARE YARDS OF 50-LB STONES SHALL BE PLACED AT ALL DOWNSTREAM HEADWALLS. THE PLACEMENT OF RIP-RAP AT THE DOWNSTREAM HEADWALLS SHALL BE PLACED IMMEDIATELY UPON THE INSTALLATION OF PIPES AND DRAINAGE DITCHES.
- 17. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- 18. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- 19. EROSION AND SEDIMENT CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR COMPLIANCE, INSTALLATION, MAINTENANCE AND REMOVAL AS REQUIRED BY THE REGULATIONS OF THE STATE AND/OR GOVERNING AGENCY. THE INSTALLATION OF THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS A FIRST STEP IN CONSTRUCTION.
- 20. CONTRACTOR TO MAINTAIN ON-SITE DAILY LOG OF ALL MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES. LOG SHALL BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT THE NPDES NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE APPROPRIATE STATE AGENCY.
- 21. THE CONTRACTOR IS RESPONSIBLE FOR UPHOLDING THE EROSION CONTROL STANDARDS FOR ESCAMBIA COUNTY REGARDLESS OF WHAT SEDIMENT CONTROL MEASURES WERE INDICATED WITHIN THE PLAN SET.
- 22. FOR CALCULATIONS OF ANY BMPs SHOWN TO BE USED, SEE DETAIL SHEETS FOR THOSE NOT SHOWN ON THE PLAN.

This item has been digitally signed and sealed by John Nourzad, PE, on 09/12/2023.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



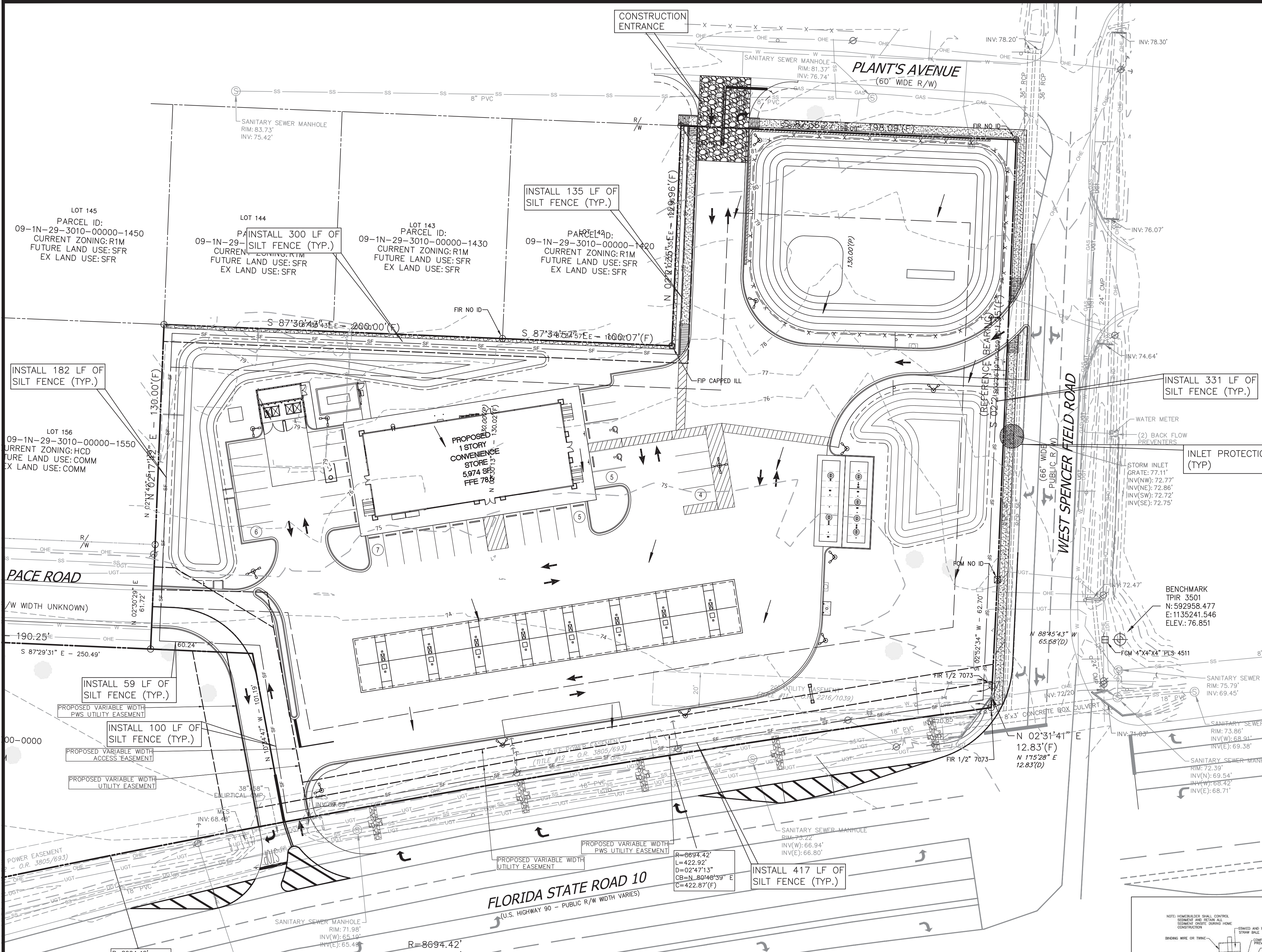
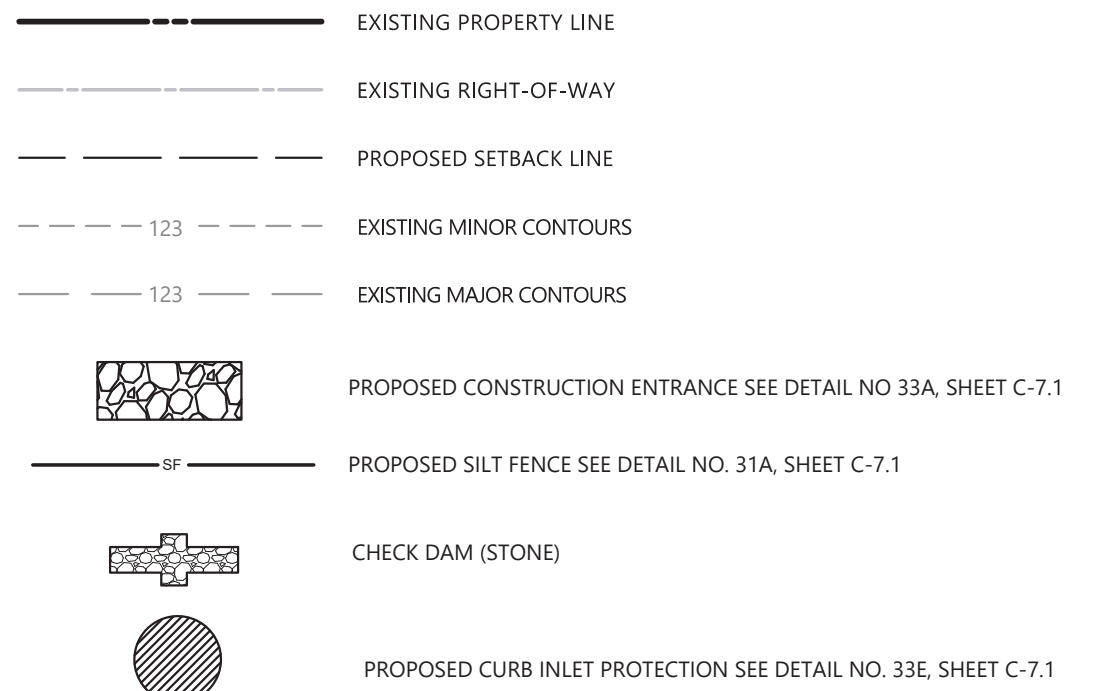
BENCHMARKS:

1. TRAVERSE POINT IRON ROD (L.B. #3501) N: 592958.161 E: 1134801.250 ELEVATION=73.780
1. TRAVERSE POINT IRON ROD (L.B. #3501) N: 592958.477 E: 1135241.546 ELEVATION=76.851

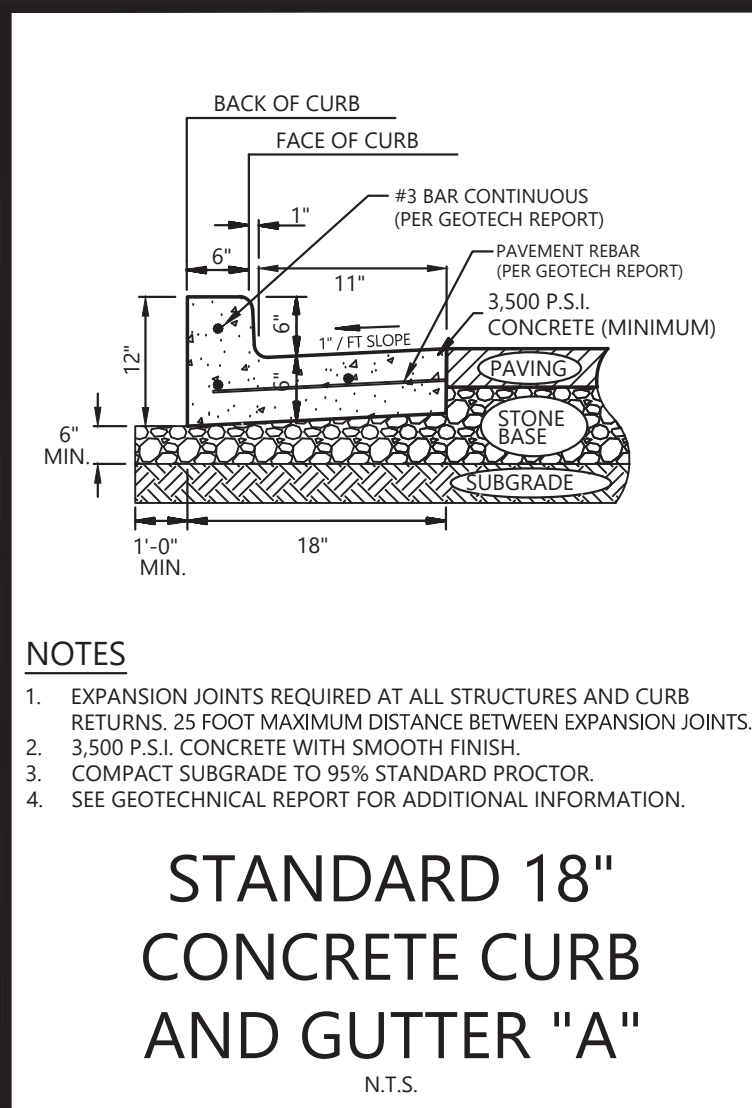
CONSTRUCTION PHASING:

- PHASE 1 - SITE DEMO AND GRADING
 - PHASE 2 - UTILITY INSTALLATION
 - PHASE 3 - PAVING OF SITE
 - PHASE 4 - LANDSCAPING / SOIL STABILIZATION
- TOTAL SITE = 3.32 ACRES
TOTAL AREA DISTURBED = 3.46 ACRES
- TYPES GENERAL NOTES:**
- 1. CONTRACTOR MUST DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT TO CITY PRIOR TO CONSTRUCTION.
 - 2. CONTRACTOR MUST POST A SIGNED COPY OF THE CONSTRUCTION SITE NOTICE AT THE SITE AT ALL TIMES DURING CONSTRUCTION.
 - 3. CONTRACTOR MUST PROVIDE A COPY OF THE SIGNED CONSTRUCTION SITE NOTICE TO THE COUNTY AT LEAST 2 DAYS PRIOR TO BEGINNING CONSTRUCTION.

EROSION CONTROL LEGEND:

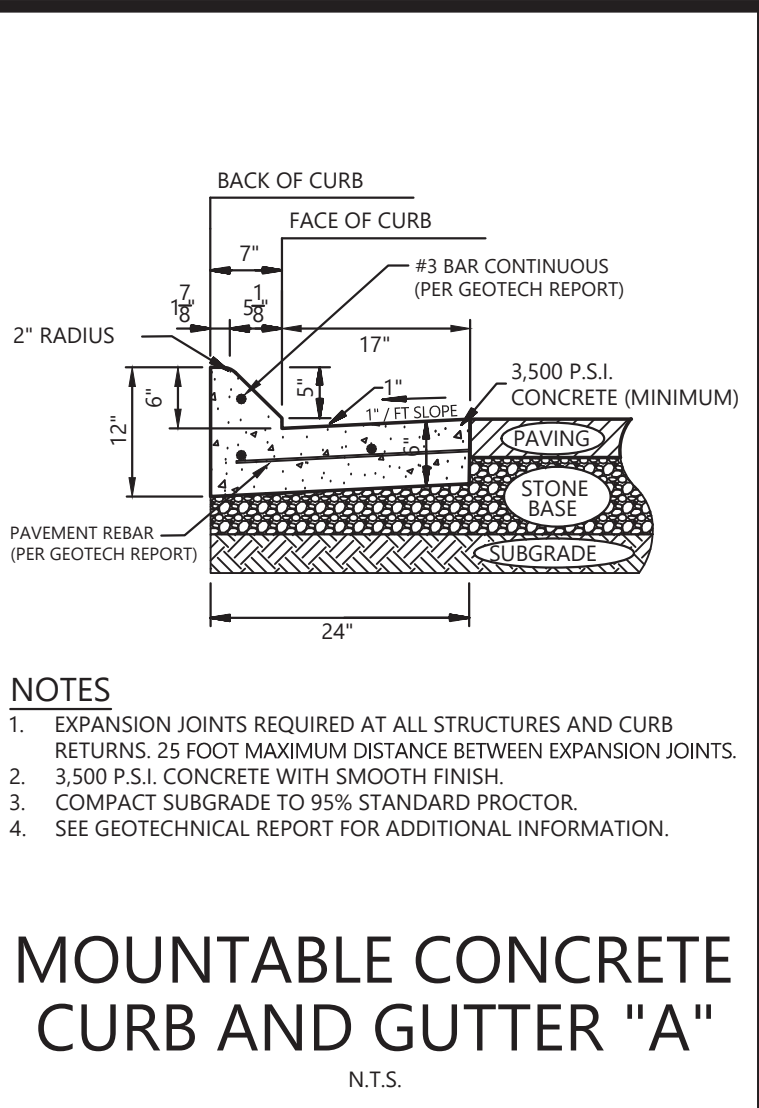


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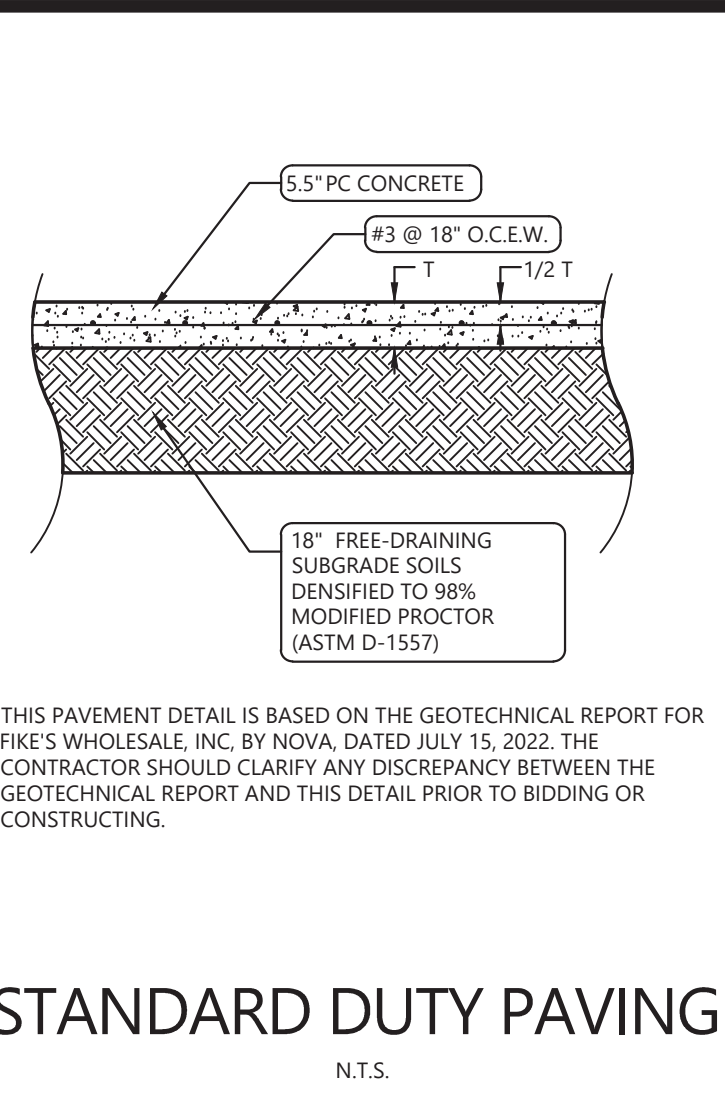
- NOTES:**
- EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS. 25 FOOT MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
 - 3,500 P.S.I. CONCRETE WITH SMOOTH FINISH.
 - COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
 - SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

STANDARD 18\"/>



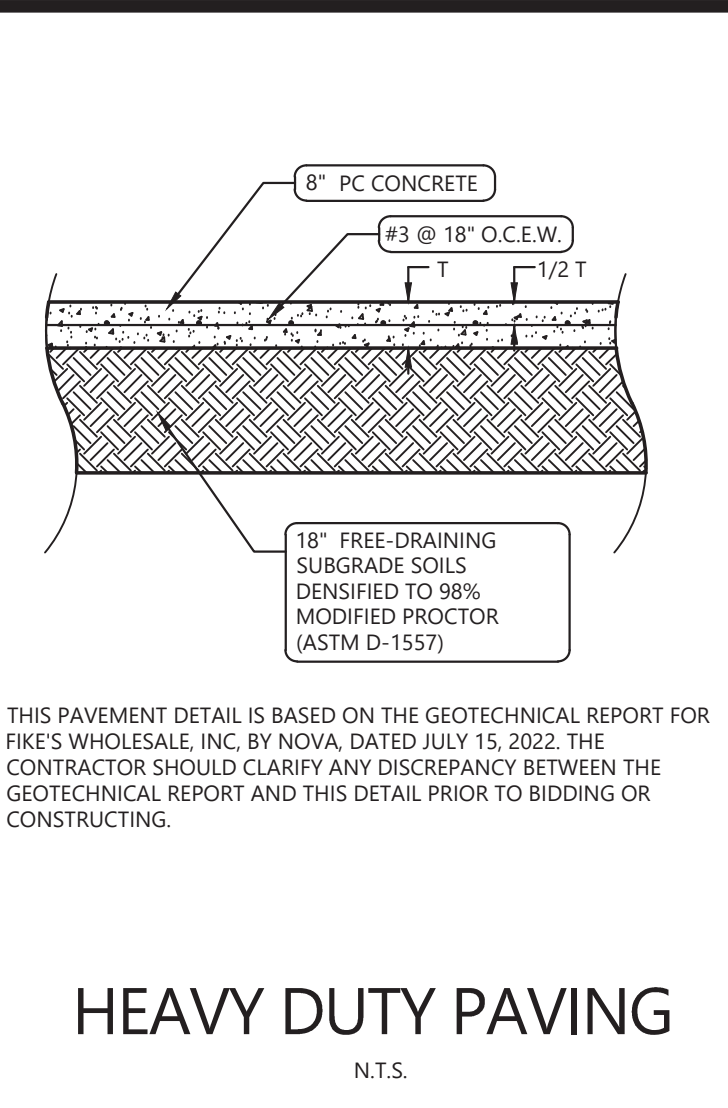
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 - 3,500 P.S.I. CONCRETE WITH SMOOTH FINISH.
 - COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
 - SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

MOUNTABLE CONCRETE CURB AND GUTTER "A"



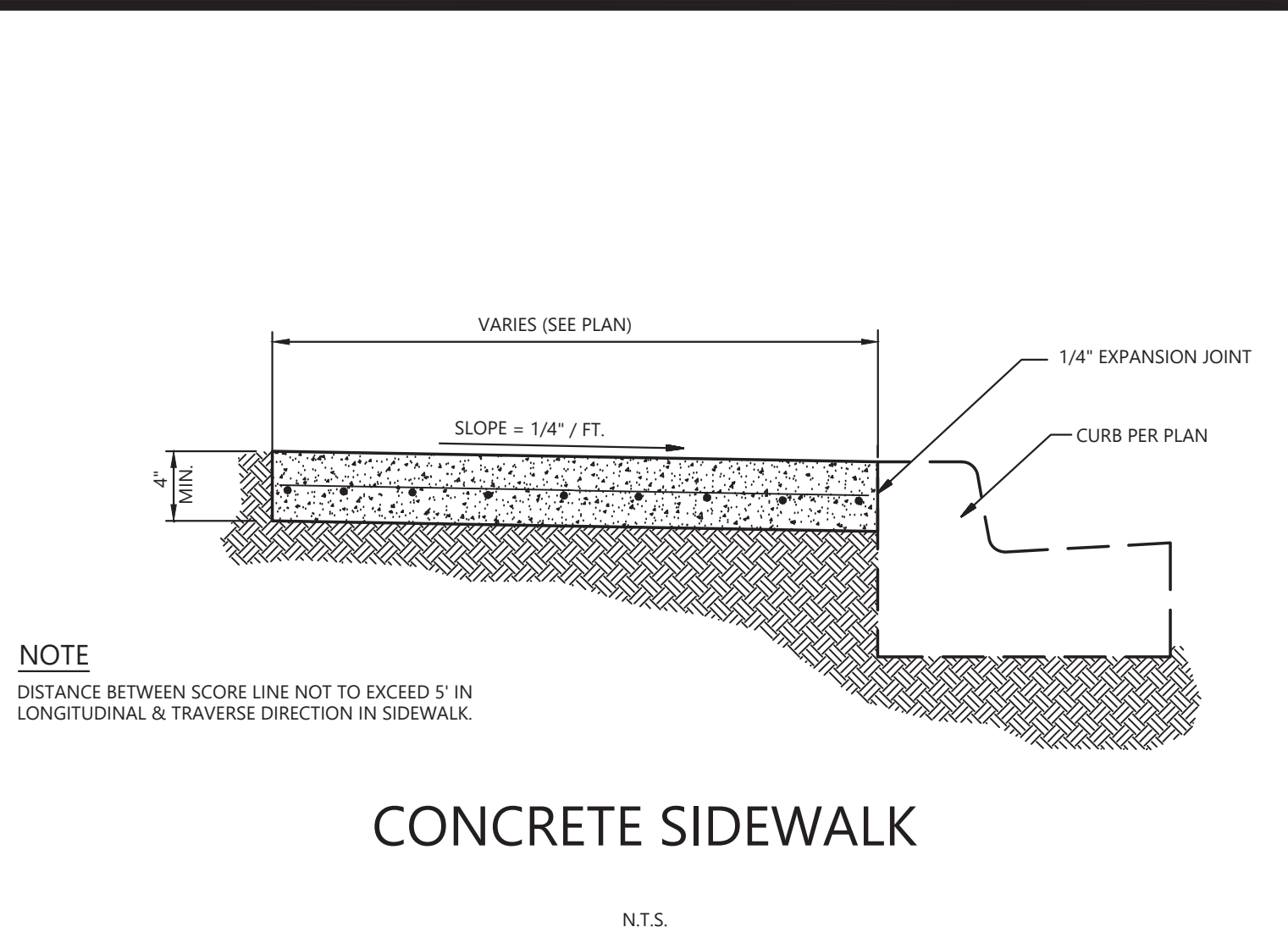
THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR FKE'S WHOLESALE, INC. BY INDVA, DATED JULY 15, 2022. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

STANDARD DUTY PAVING



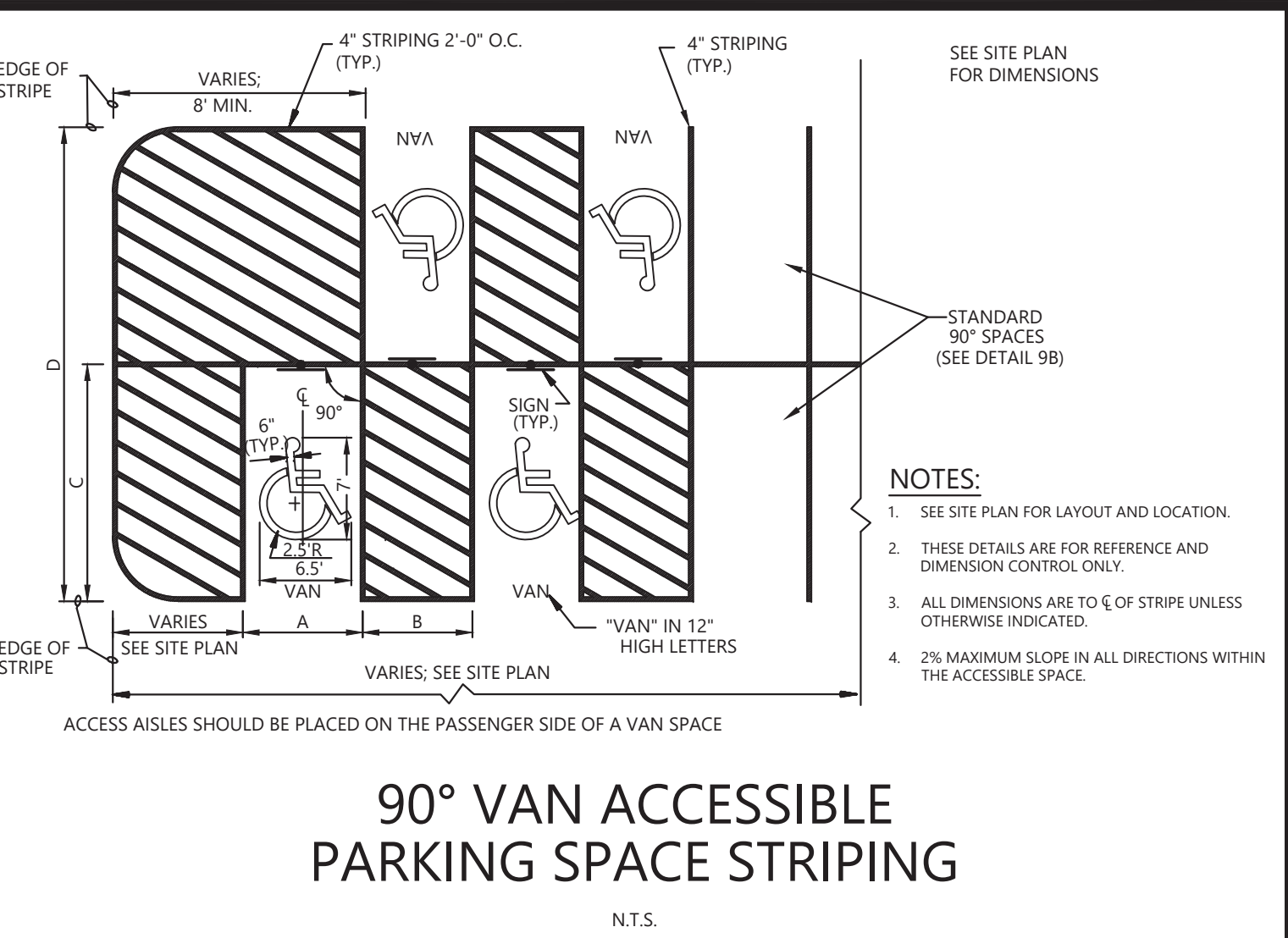
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HEAVY DUTY PAVING



NOTE:
DISTANCE BETWEEN SCORE LINE NOT TO EXCEED 5' IN LONGITUDINAL & TRAVERSE DIRECTION IN SIDEWALK.

CONCRETE SIDEWALK



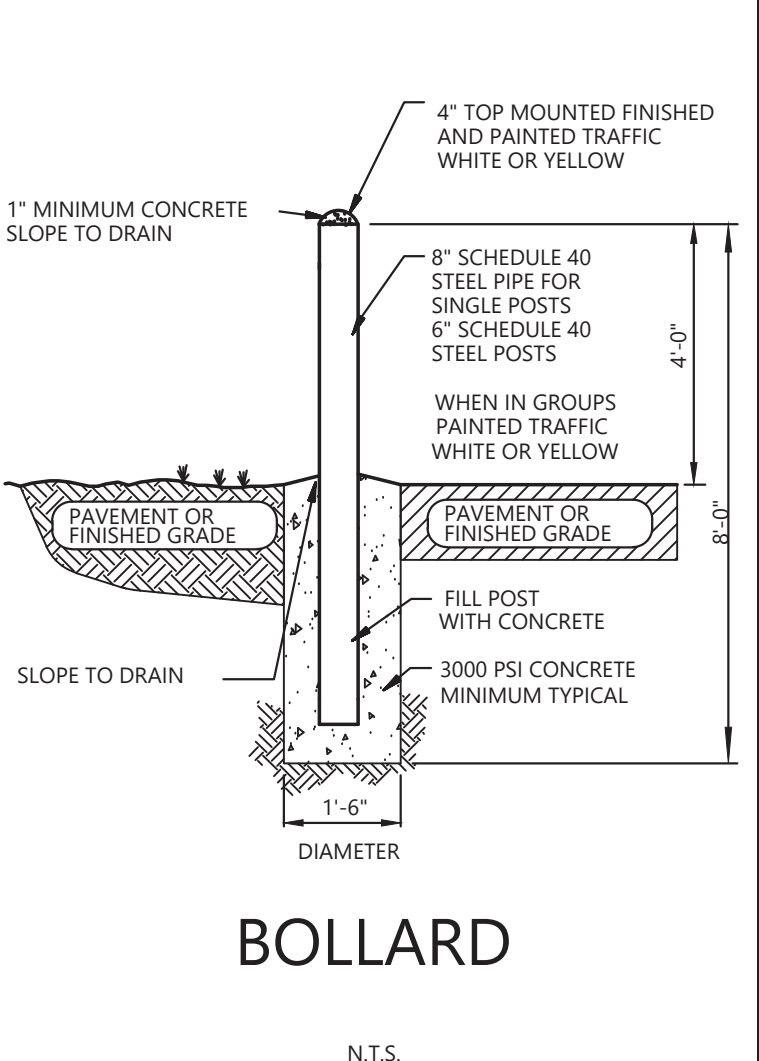
- NOTES:**
- SEE SITE PLAN FOR LAYOUT AND LOCATION.
 - THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY.
 - ALL DIMENSIONS ARE TO ϵ OF STRIPE UNLESS OTHERWISE INDICATED.
 - 2% MAXIMUM SLOPE IN ALL DIRECTIONS WITHIN THE ACCESSIBLE SPACE.

90° VAN ACCESSIBLE PARKING SPACE STRIPING



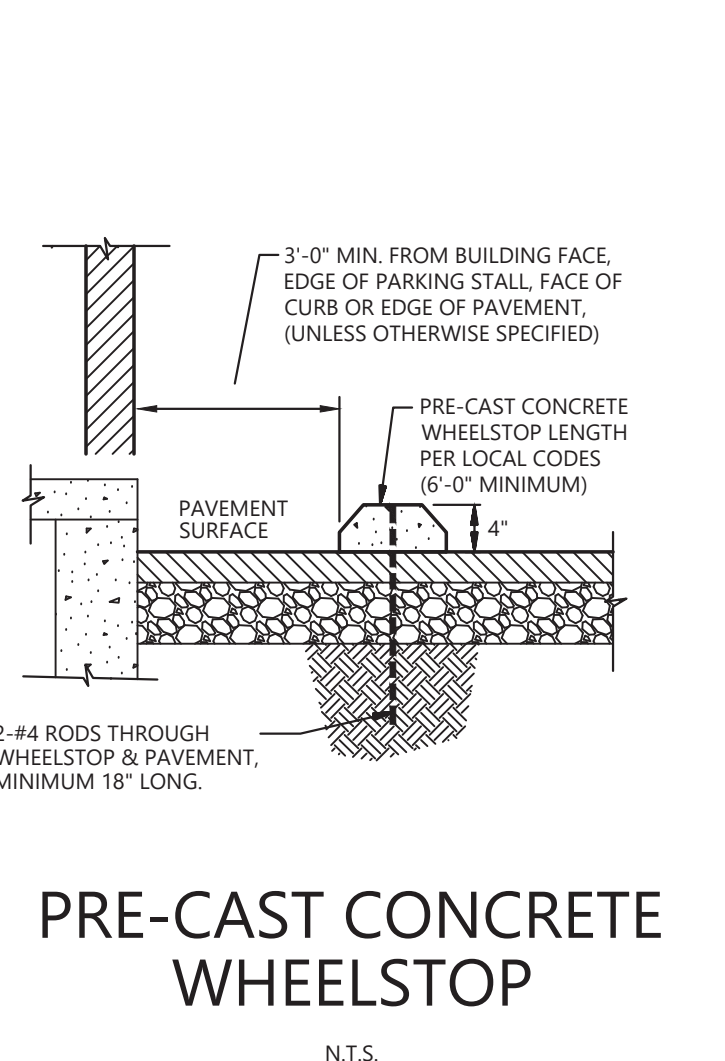
SIGN CRITERIA
BACKGROUND: RED
LETTERING: WHITE
BORDER: WHITE
REFERENCE: MUTCD

"STOP" SIGN



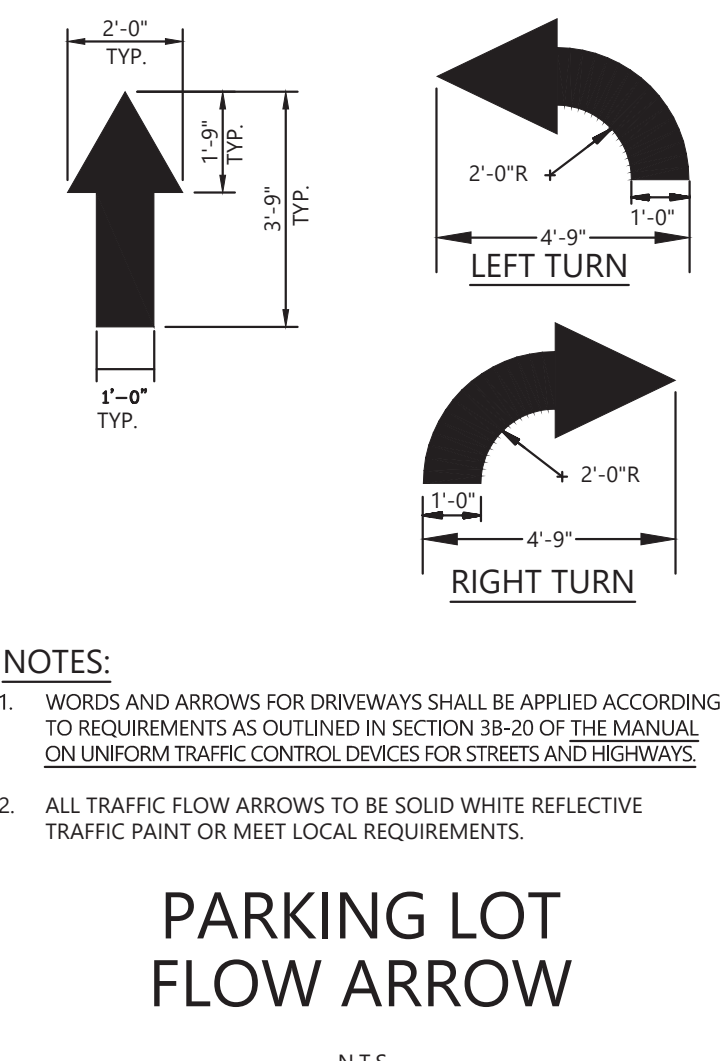
DIAMETER

BOLLARD



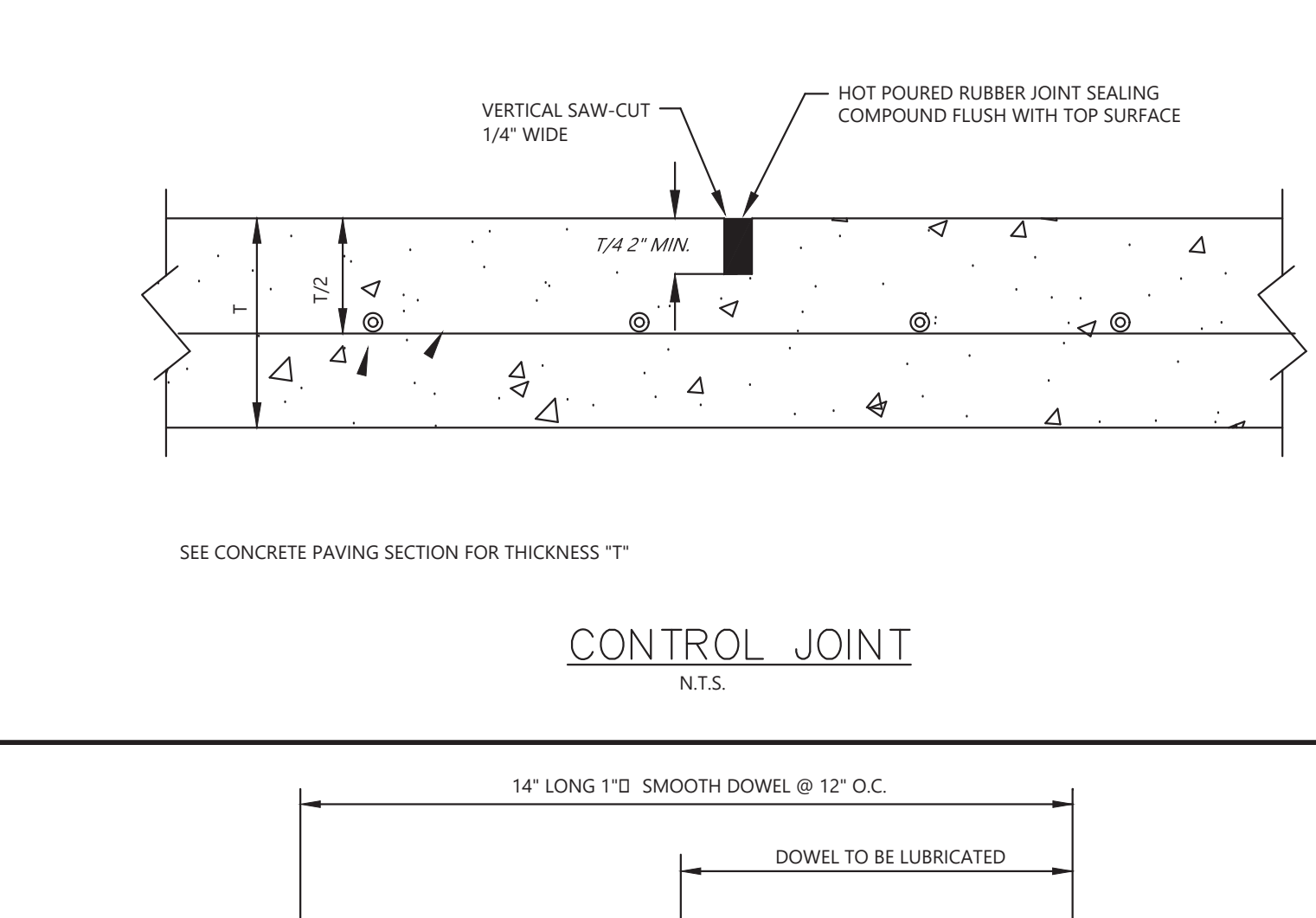
2-#4 RODS THROUGH WHEELSTOP & PAVEMENT, MINIMUM 18\"/>

PRE-CAST CONCRETE WHEELSTOP



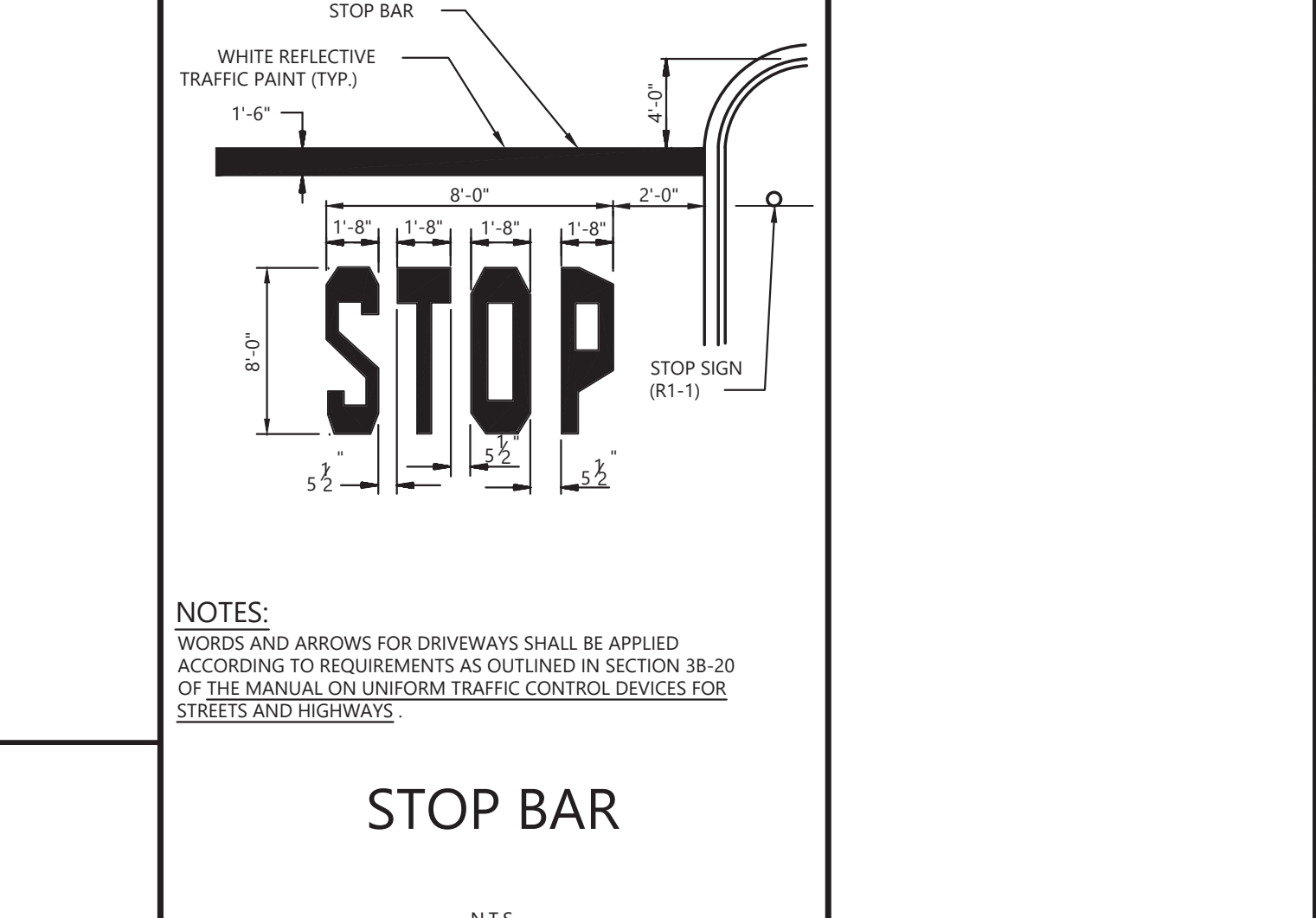
- NOTES:**
- WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 38-20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 - ALL TRAFFIC FLOW ARROWS TO BE SOLID WHITE REFLECTIVE TRAFFIC PAINT OR MEET LOCAL REQUIREMENTS.

PARKING LOT FLOW ARROW



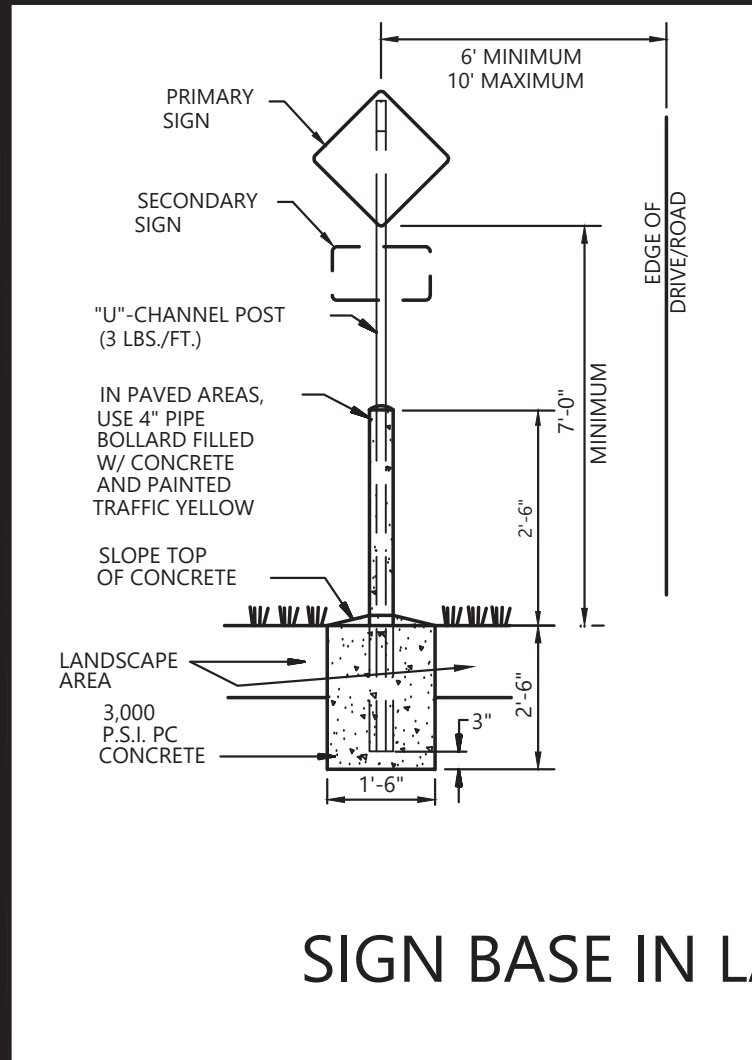
SEE CONCRETE PAVING SECTION FOR THICKNESS "T"

CONTROL JOINT



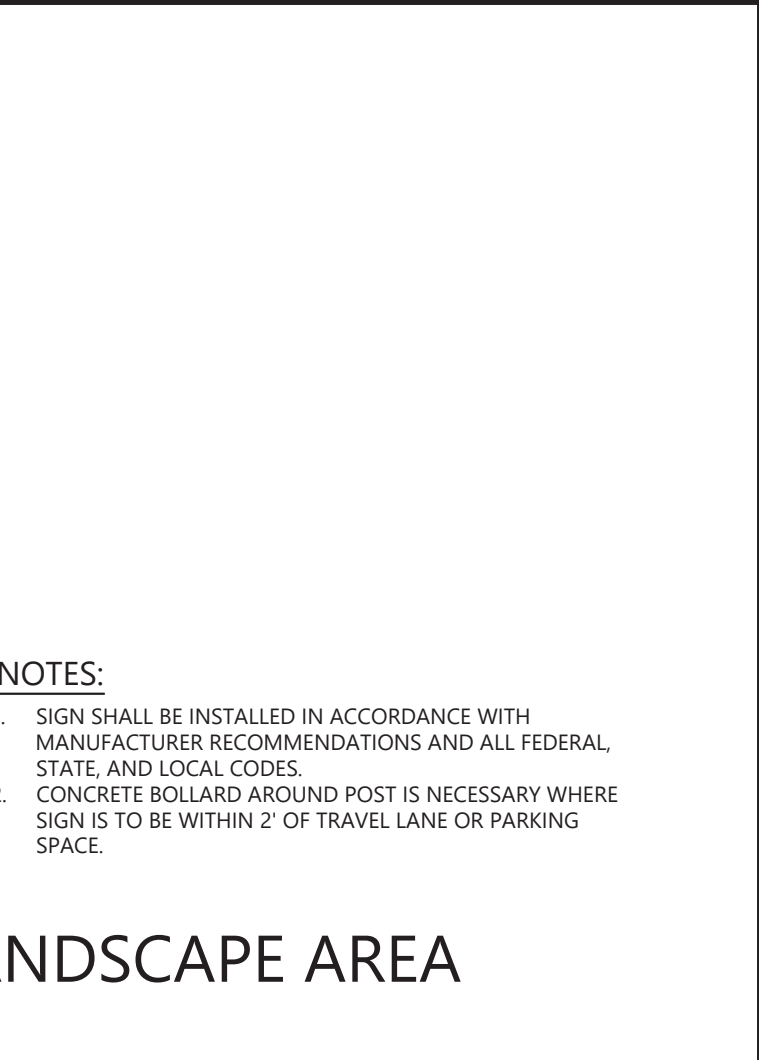
- NOTES:**
- WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 38-20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

STOP BAR



- NOTES:**
- SIGN SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND ALL FEDERAL, STATE, AND LOCAL CODES.
 - CONCRETE BOLLARD AROUND POST IS NECESSARY WHERE SIGN IS TO BE WITHIN 2' OF TRAVEL LANE OR PARKING SPACE.

SIGN BASE IN LANDSCAPE AREA

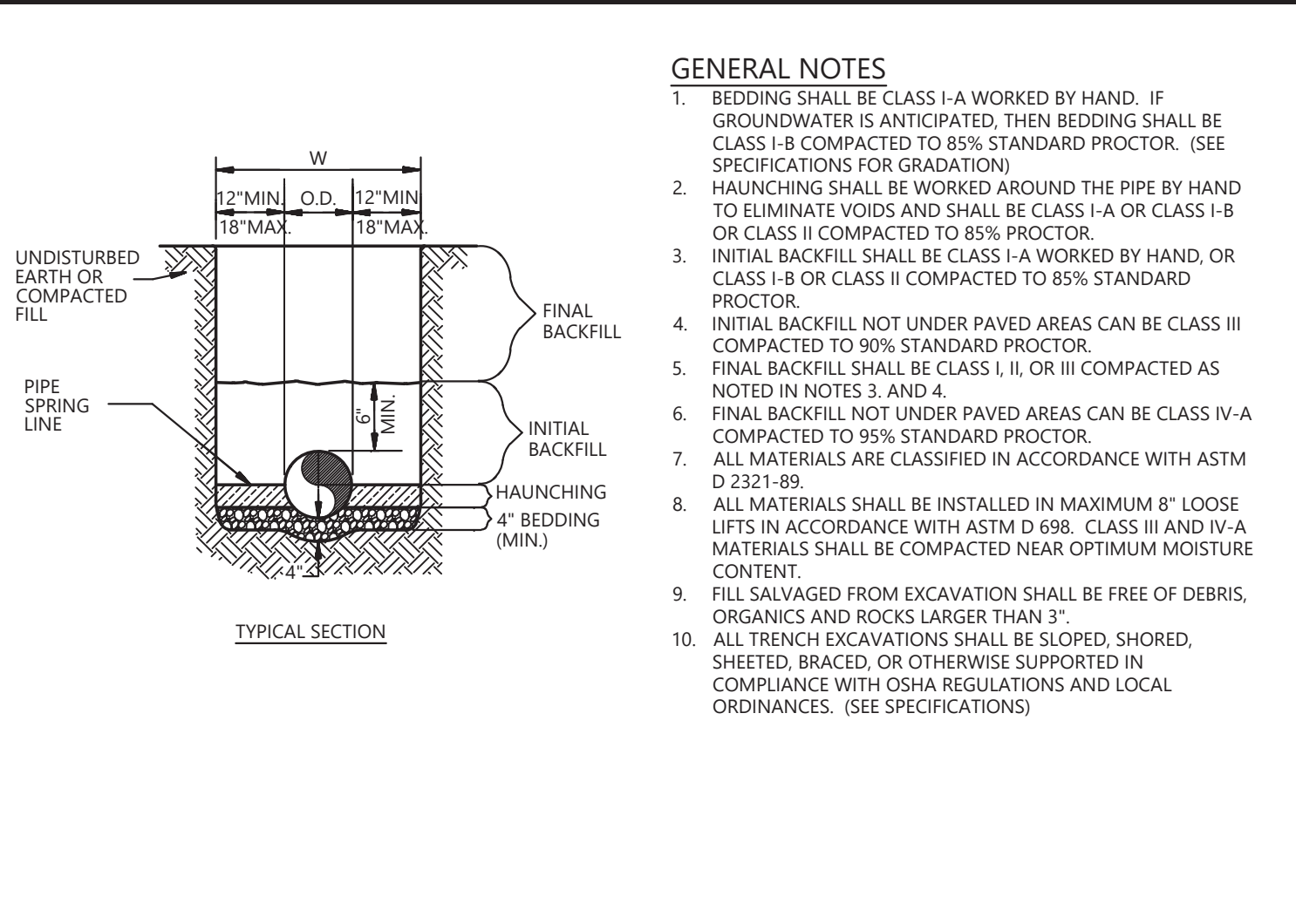


TYPICAL SECTION

GENERAL NOTES:

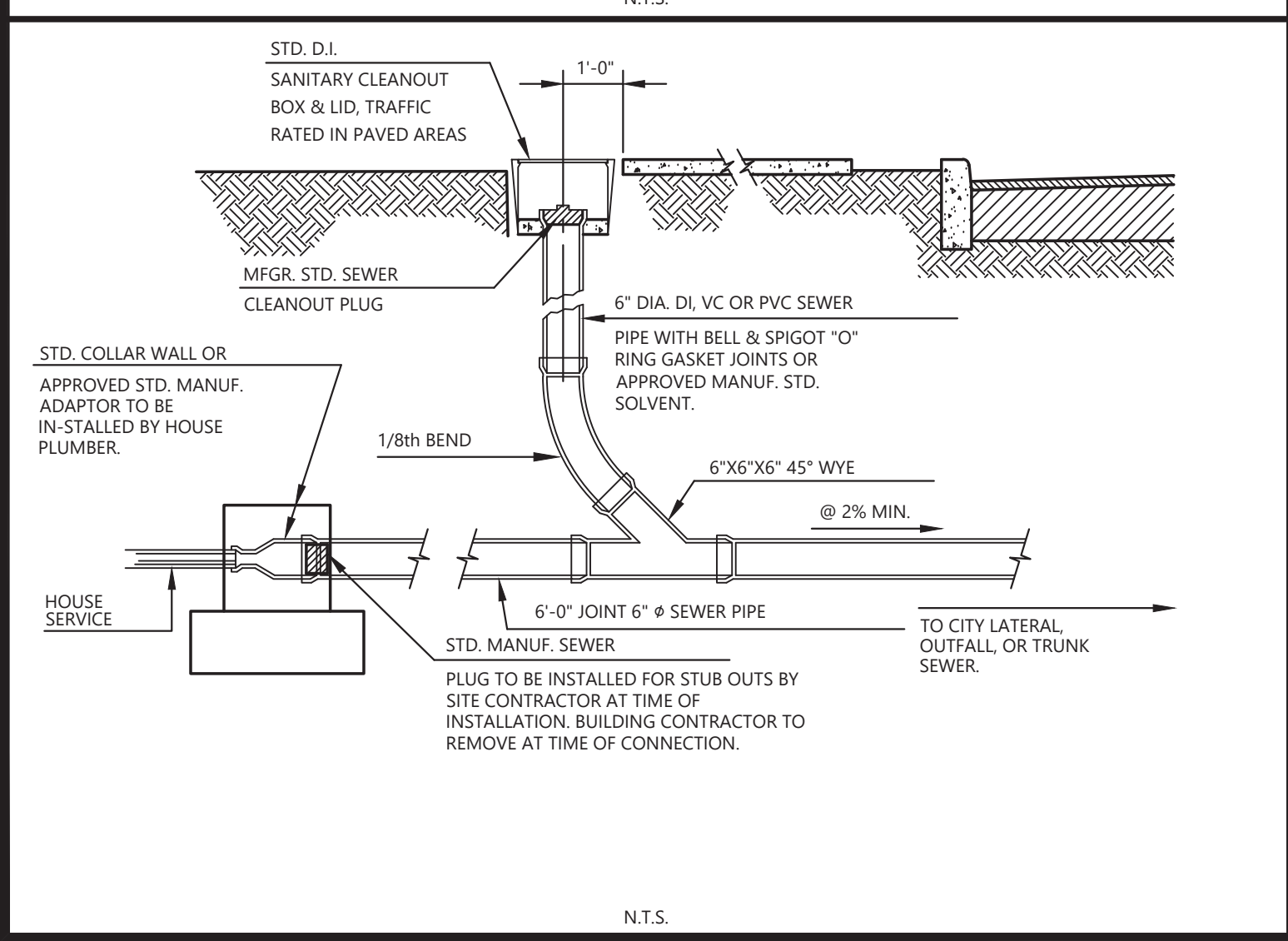
- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION).
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3, AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8\"/>

CONSTRUCTION JOINT DETAIL

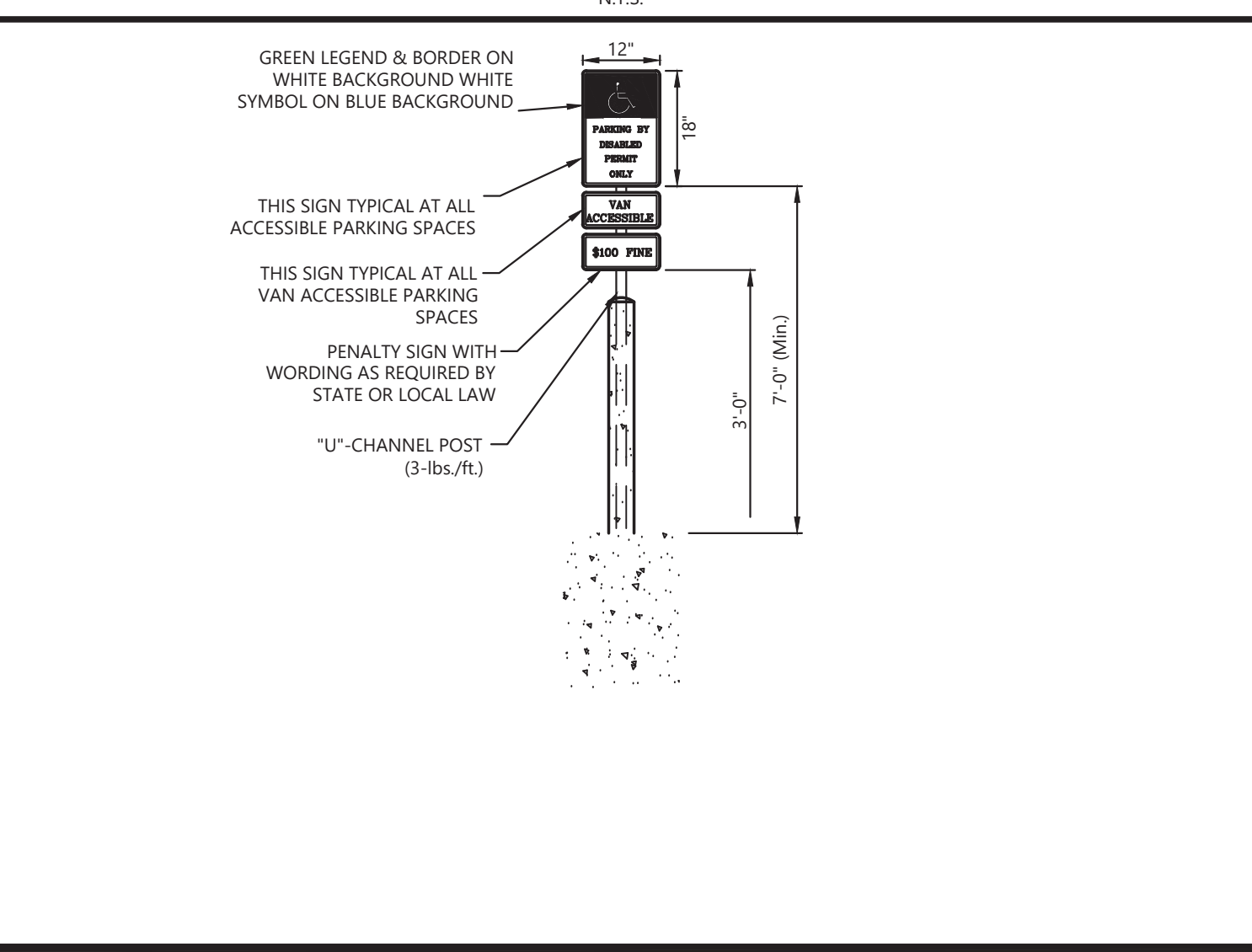


SEE CONCRETE PAVING SECTION FOR THICKNESS "T"

KEYED CONSTRUCTION JOINT DETAIL



PLUG TO BE INSTALLED FOR STUB OUTS BY SITE CONTRACTOR AT TIME OF INSTALLATION. BUILDING CONTRACTOR TO REMOVE AT TIME OF CONNECTION.



THIS SIGN TYPICAL AT ALL ACCESSIBLE PARKING SPACES
THIS SIGN TYPICAL AT ALL VAN ACCESSIBLE PARKING SPACES
PENALTY SIGN WITH WORDING AS REQUIRED BY STATE OR LOCAL LAW
"U"-CHANNEL POST (3-lbs./ft.)

Know what's below. Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN REPRESENTATIVELY. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR SHALL BE LOCATED AND PRESERVED ANY AND ALL UNDERGROUND UTILITIES.

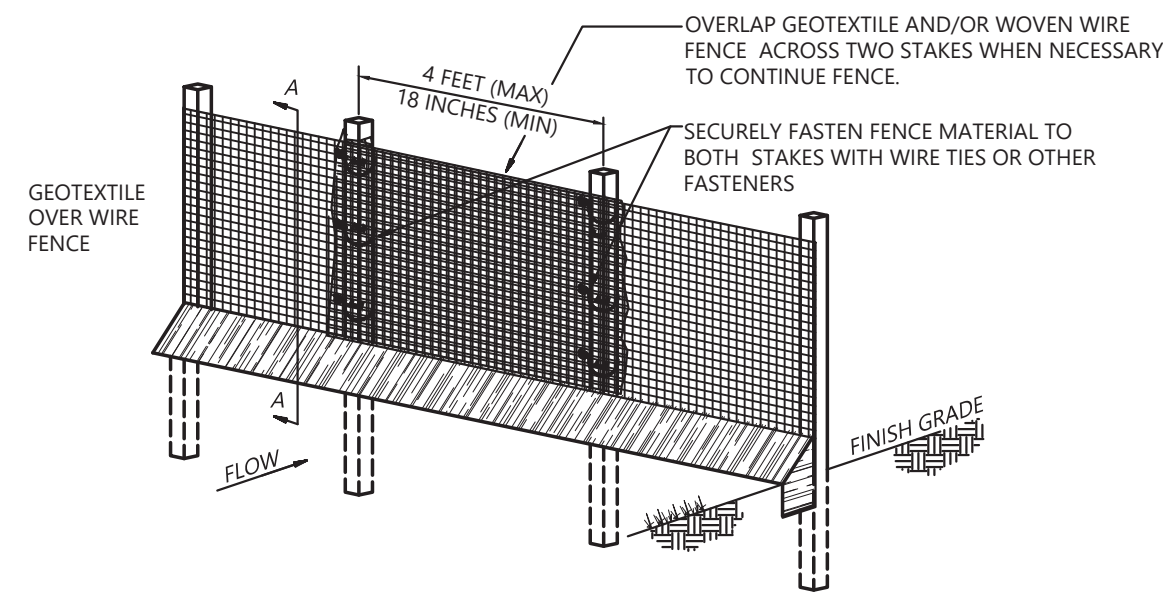
NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY PERSONS INJURED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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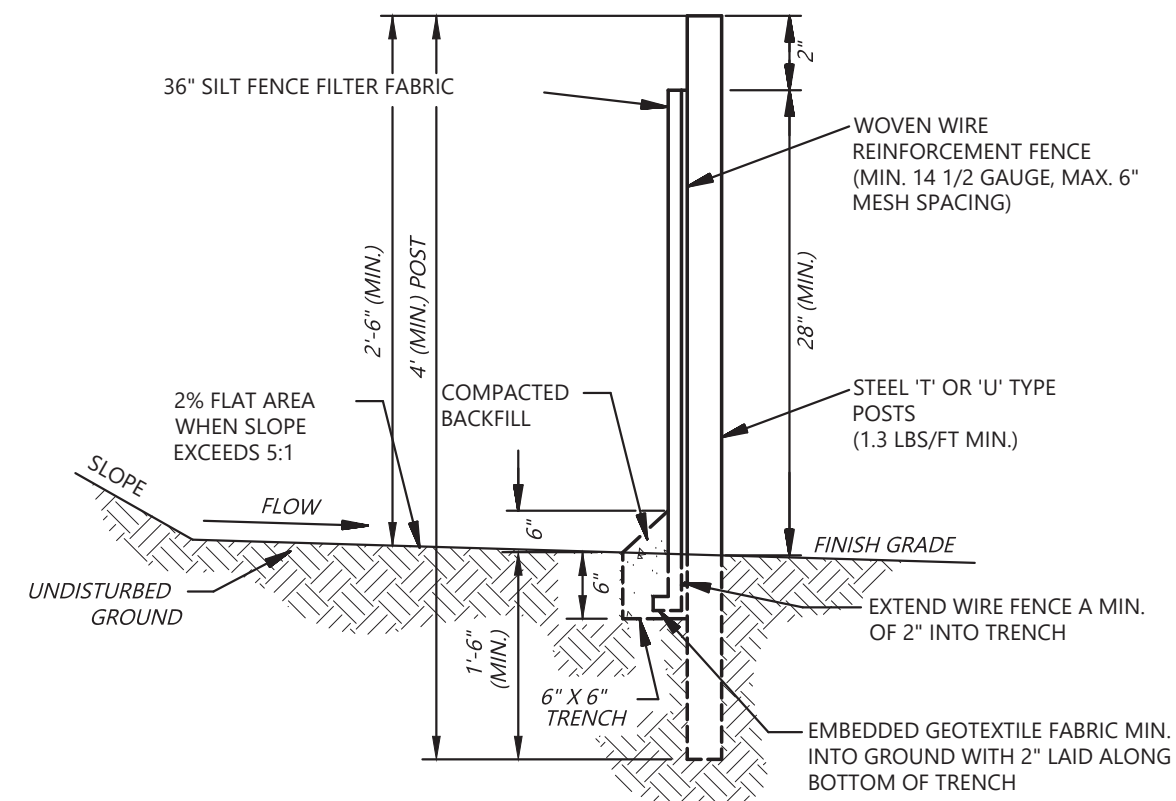
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972.956.8660

9 & 16	WEST SPENCERFIELD RD & FL SR-10	PACE
CEFCO-WEST SPENCERFIELD RD & FL SR-10	COSTORDE, LLC	CONSTRUCTION PLANS
DATE	2023-09-06	
REVISIONS		
Digitally signed by John Nourzad Date: 2024.03.06 17:14:31 -05'00"		
DRAWN BY: ML	CHECKED BY: JKG	
PROJECT MANAGER: JKG		
JOB #: 21000648		
FILE CODE: #		
SHEET NO: C700		



ELEVATION



SECTION A-A

1/4 ACRE PER 100-LF MAX DRAINAGE AREA

SEDIMENT BARRIER
TYPE C SILT FENCE

N.T.S.

INSTALLATION

- DO NOT INSTALL ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.
- INSTALL WHERE SHEET FLOW CONDITION EXIST.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED 4 FEET APART.
- TYPE 'C' SILT FENCE SHALL BE USED WHERE RUNOFF FLOWS OR VELOCITIES ARE PARTICULARLY HIGH.
- TYPE 'C' SILT FENCE SHALL BE USED WHERE SLOPES EXCEED A VERTICAL HEIGHT OF 10 FEET.
- TWO ROWS OF TYPE 'C' SILT FENCE MUST BE USED ALONG ALL STREAM BUFFERS.
- WOVEN WIRE REINFORCEMENT FENCE TO BE FASTENED SECURELY TO STEEL POSTS WITH WIRE TIES OR APPROVED EQUAL AT TOP, MID AND BOTTOM.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCEMENT FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

MAXIMUM SLOPE LENGTH

- WHERE ALL RUNOFF IS TO BE STORED BEHIND THE SILT FENCE, MAXIMUM SLOPE LENGTH SHALL NOT EXCEED:

LAND SLOPE	= MAX. SLOPE LENGTH
< 2%	= 100 FT.
2% - 5%	= 75 FT.
5% - 10%	= 50 FT.
10% - 20%	= 25 FT.
> 20%	= 15 FT.
- IN AREAS WHERE THE SLOPE IS GREATER THAN 20% OR 5:1, A FLAT AREA LENGTH OF 10 FT BETWEEN THE TOE OF THE SLOPE AND THE SILT FENCE MUST BE PROVIDED.

SILT FENCE FILTER FABRIC

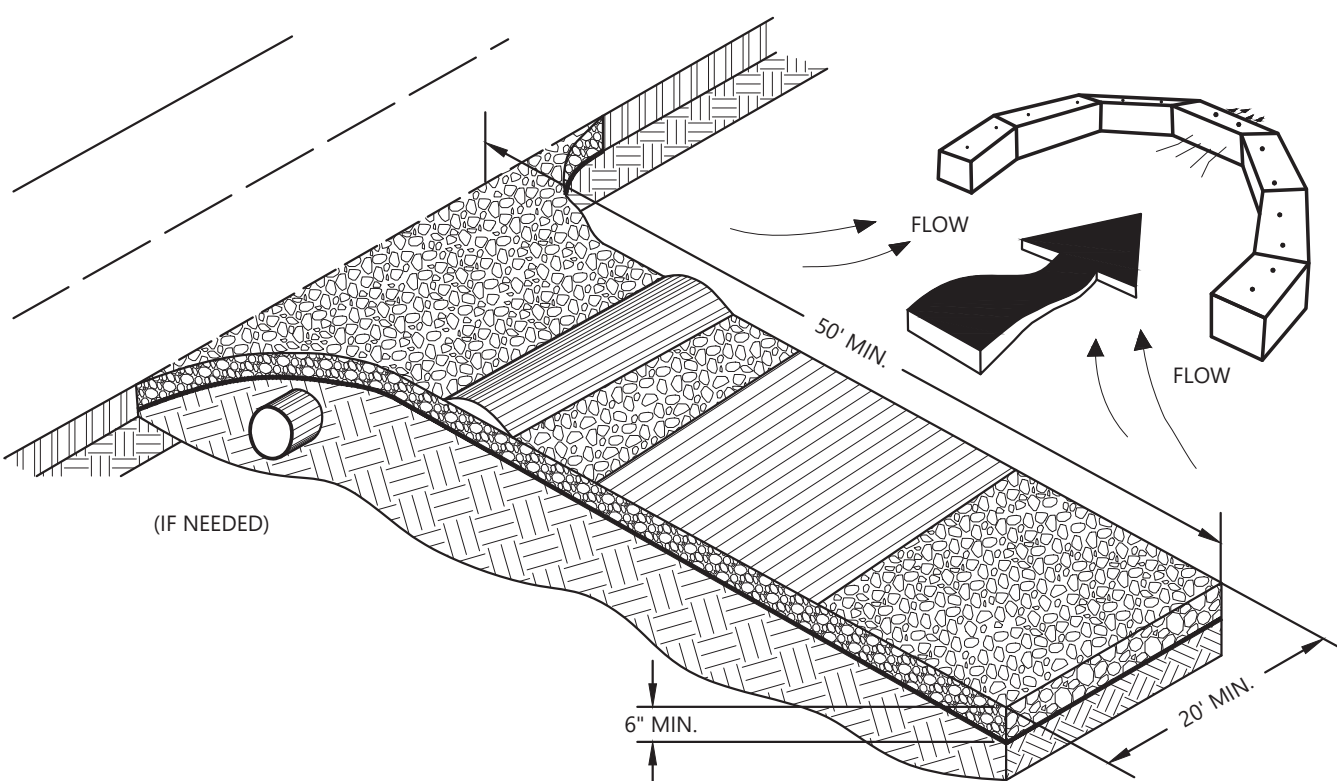
- UTILIZE DOT APPROVED FABRICS. COMMON EXAMPLES INCLUDE: MIRAFI 130X, AMOCO 1198, BELTECH 810, SI 915 SC, LING GTF 190
- UTILIZE FENCE FABRIC THAT MEETS THE FOLLOWING CRITERIA:
 - TENSILE STRENGTH PER ASTM D-4632 WITH WARP-260 AND FILL-180 (LBS. MIN.)
 - ELONGATION PER ASTM D-4632 OF 40% MAX
 - APPARENT OPENING SIZE (MAX. SIEVE SIZE) PER ASTM D-4751 OF #30
 - FLOW RATE OF 70 GAL/MIN/SQ.FT.
 - ULTRAVIOLET STABILITY OF 80 PER ASTM D-4632 AFTER 300 HOURS WEATHERING IN ACCORDANCE WITH ASTM D-4355
 - BURSTING STRENGTH OF 175 PSI MIN. PER ASTM D-3786

MAINTENANCE

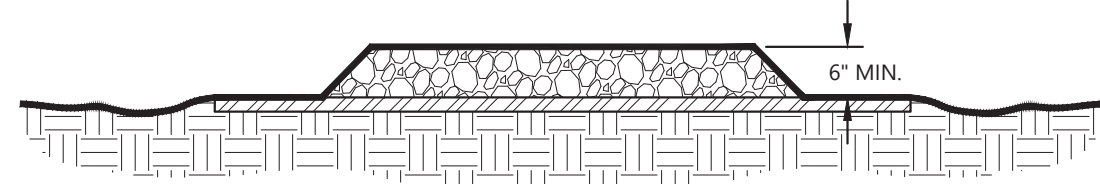
- SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROX. 6 MONTHS), OR ANY TEARS OR HOLES ARE IN THE FABRIC.
- TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

SEDIMENT BARRIER
TYPE C SILT FENCE

N.T.S.



EXIT DIAGRAM

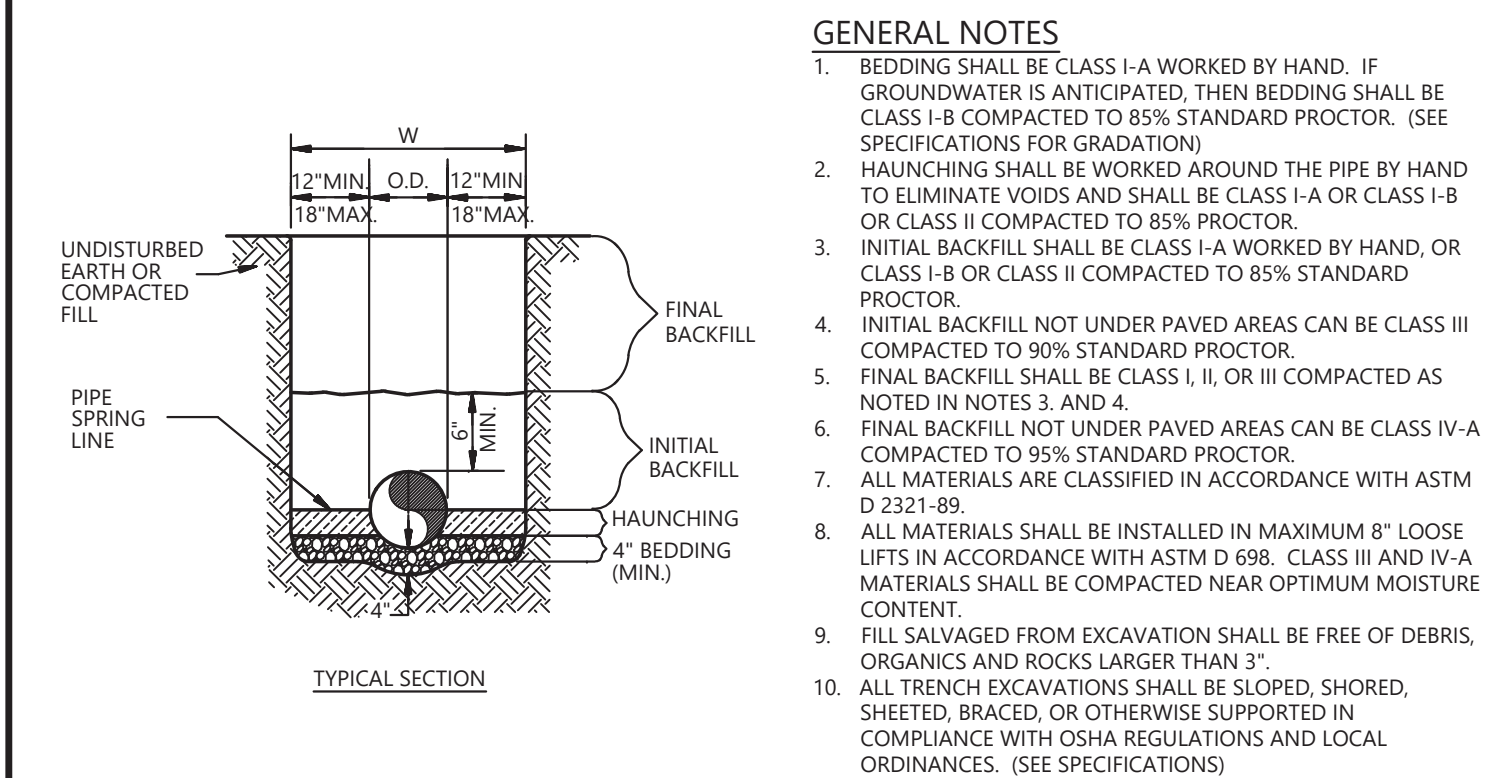


ENTRANCE ELEVATION

- NOTES
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 - GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 - PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20".
 - A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 - WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 - WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 - MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

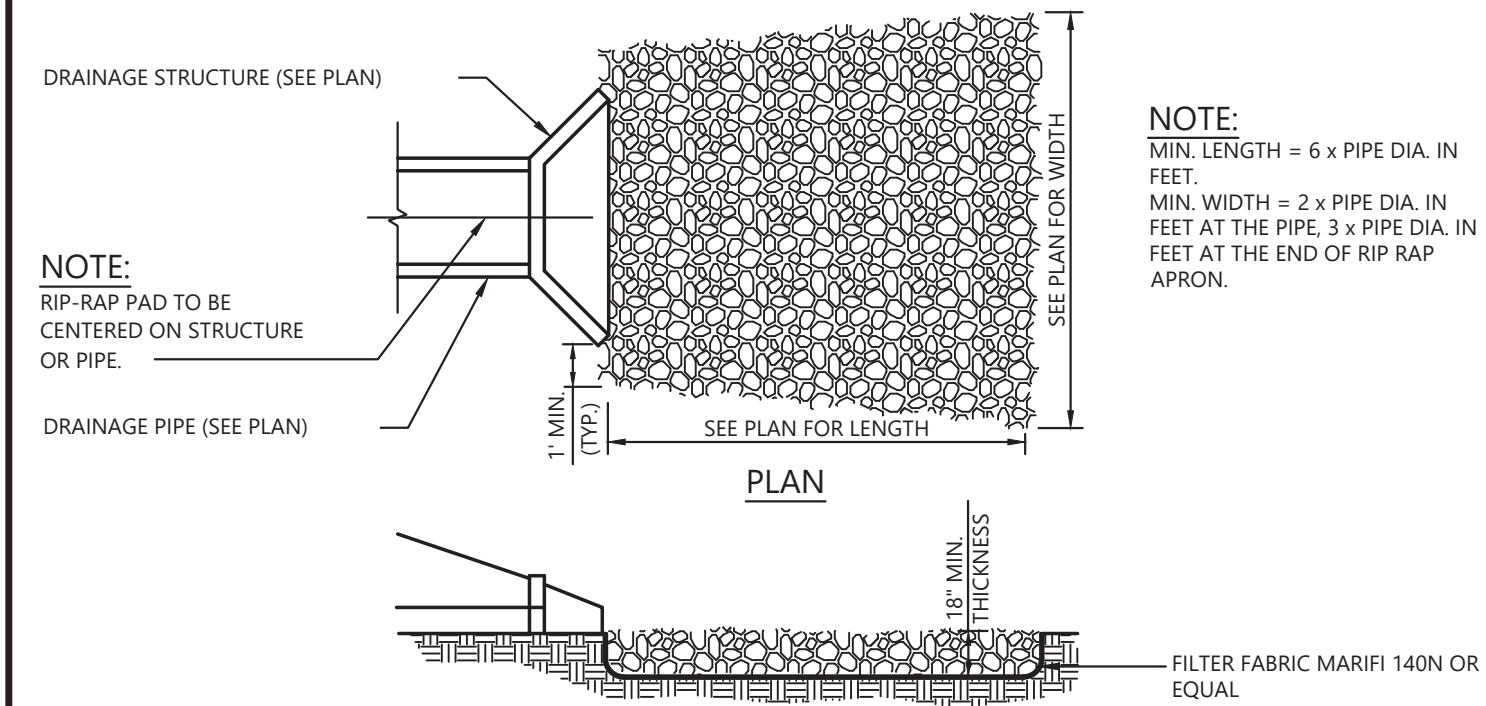
CRUSHED STONE CONSTRUCTION EXIT

N.T.S.



TYPICAL SECTION

STORM SEWER LINE
TRENCH AND BEDDING



NOTE: MIN. LENGTH = 6 x PIPE DIA. IN FEET. MIN. WIDTH = 2 x PIPE DIA. IN FEET AT THE PIPE. 3 x PIPE DIA. IN FEET AT THE END OF RIP-RAP APRON.

NOTE: THE STONES SHALL BE RESISTANT TO WATER EROSION. UNLESS OTHERWISE SPECIFIED, ALL STONES USED AS RIP-RAP SHALL WEIGH BETWEEN 50-150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH.

RIP-RAP PAD

N.T.S.

Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

January 31, 2018

RICK SCOTT GOVERNOR MIKE DEW SECRETARY

TO WHOM IT MAY CONCERN

RE: Accessible Parking Spaces for Disabled Travelers - Florida Requirements
The standards in effect in Florida that govern the layout of accessible parking spaces are the Manual on Uniform Traffic Control Devices (MUTCD), the 2017 Florida Accessibility Code for Building Construction (FACBC), and s. 553.5041, Florida Statutes.

The MUTCD is published by the USDOT Federal Highways Administration. It is a national standard for pavement markings, signage and traffic signals to "help insure highway safety by providing for the orderly and predictable movement of traffic..." It applies to the "national highway transportation system". As required by state law (s. 336.045 F.S. and s. 316.006 F.S.), FDOT has adopted the MUTCD as a state standard. FDOT adoption of the MUTCD applies to public parking spaces and to private parking spaces available for public use.

MUTCD section 3B-19 "Parking Space Markings" states that "Parking space markings shall be white." This is intended to apply to parking spaces (on-street, off-street, parallel, diagonal and perpendicular, etc.) and accessory markings. The MUTCD also provides an option: "Blue lines may supplement white parking space markings of each parking space designated for use only by persons with disabilities." Note that the blue markings may 'supplement' the white markings, not replace them.

Sections 553.501-553.513 Florida Statutes, describe the accessibility requirements in Florida. S. 553.5041(6) requires that accessible parking spaces "...must be prominently outlined with blue paint, and must be repainted when necessary, to be clearly distinguishable as a parking space designated for persons who have disabilities...."

S. 553.5041(5)(c)1 requires that the "...access aisle must be striped diagonally to designate it as a no-parking zone." Note there is no direction in Statute as to the number of diagonal lines or diagonal stripe angle or direction.

www.dot.state.fl.us

Considering the above: in Florida, all accessible parking spaces **must** be designated with blue paint. In this case, Florida law is applied in addition to the standard described in MUTCD. **The correct markings for accessible parking spaces have both white and blue stripes and access aisles are marked in white.** Usually this is applied with the blue paint 'inside' the white paint for the space (see drawing below, which illustrates the Florida Department of Transportation Standard Plans, Index 711-001.)

Accessible Parking Spaces (as described in FDOT Standards)

NOTES TO DRAWING:

According to the MUTCD, the pavement markings for the parking space and the access aisle (blue and white stripes) may be either 4" or 6".

If used, a ground-level wheelchair symbol should be white.

If there is a curb, there must be a curb ramp (1:12 max. slope) outside the space and access aisle. A perpendicular curb ramp must have flared sides (1:12 max. slope) if pedestrians may cross it transversely.

A pair of parallel curb ramps may also be used (w/5'-0" landing at the bottom). Wheel stops should be used to limit vehicular encroachment on the sidewalk.

FDOT Design Standards show dimensions to the centerline between two adjacent stripes. This is intended primarily for double lines between travel lanes on a roadway. For parking spaces, it is appropriate to dimension to the centerline of the white stripes and then add the blue stripes.

Also, as described above, the Florida accessible parking space provides the space for an automobile or a lift-equipped van. Therefore, a van accessible sign and an 8' access aisle are not required. The standard for accessible parking in Florida is a 12' minimum parking space with an adjacent 5' minimum access aisle. Two accessible parking spaces may share an access aisle.

Respectfully Submitted,
Florida Department of Transportation

H. Dean Perkins, Architect
 A.D.A. Coordinator

This item has been digitally signed and sealed by John Nourzad, PE, on 09/12/2023.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FDOT ADA SPACE DETAIL

Know what's below. Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THE CONTRACTOR. THE CONTRACTOR SHALL LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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WEST SPENCERFIELD RD & FL SR-10

PACE

SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10

COSTORDE, LLC

CONSTRUCTION PLANS

DETAILS

DATE: 2023-09-06

REVISIONS

Digitally signed by John Nourzad
Date: 2024.03.06 17:15:06 -05'00'

DRAWN BY: ML

CHECKED BY: JKG

PROJECT MANAGER: JKG

JOB #: 21000648

FILE CODE: ##

SHEET NO:

C701

811
Know what's below.
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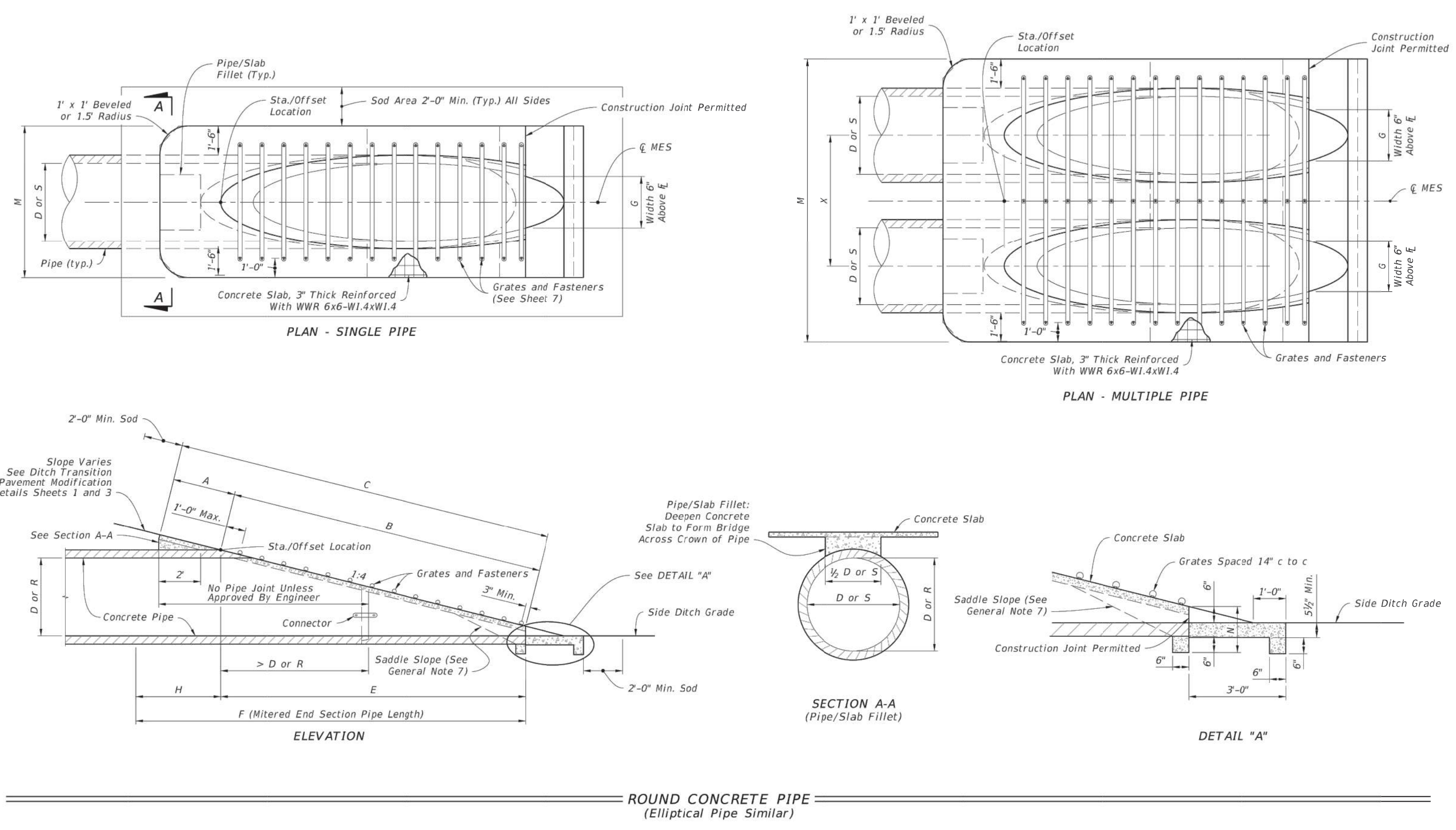
9 & 16
WEST SPENCERFIELD RD & FL SR-10
PACE
SANTA ROSA COUNTY, FLORIDA

CEFCO-WEST SPENCERFIELD RD & FL SR-10
COSTORDE, LLC
CONSTRUCTION PLANS
LIFT STATION DETAIL

DATE 2023-09-06

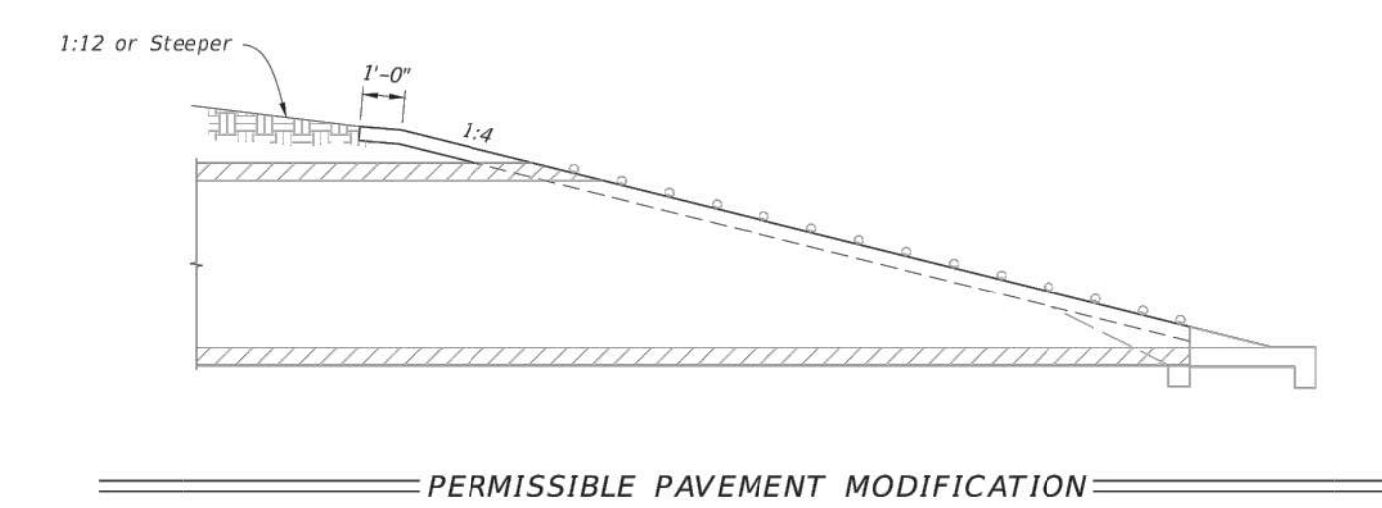
REVISIONS

DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
JOB #: 21000648
FILE CODE: #
SHEET NO. C702



LAST REVISION 11/01/18	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 2 of 7
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Pipe	Dia. D	Rise R	Span S	X	A	B	C	E	F	G	H	M				GRATE SIZES			3" CONG. SLAB (CY)			SODDING (SY)			
												Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	N	STANDARD WEIGHT PIPE	EXTRA STRONG PIPE	Single Pipe	Double Pipe	Triple Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe
Round Concrete	15"		2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'			0.76	1.16	1.54	1.94	8	10	11	12
	18"		2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.85	1.28	1.71	2.17	9	10	12	13
	24"		3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	4.0'	5.50'	8.92'	12.33'	15.75'	1.25'			1.02	1.58	2.15	2.75	10	12	13	15
	30"		4'-3"	2.70'	9.25'	11.99'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	2 1/2"		1.23	1.98	2.74	3.50	12	14	15	17
	36"		5'-1"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	2 1/2"	3"	1.40	2.38	3.33	4.24	13	15	17	20
	42"		6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0'	7.29'	13.25'	19.29'	25.25'	1.38'	2 1/2"	3 1/2"	1.60	2.83	4.04	5.26	14	17	19	22
	48"		6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0'	7.83'	14.58'	21.33'	28.08'	1.42'	2 1/2"	3 1/2"	1.81	3.26	4.70	6.14	15	18	21	24
	54"		7'-6"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	3"	4"	2.03	3.78	5.54	7.28	17	20	23	27
	60"		8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0'	9.00'	17.60'	26.00'	34.50'	1.50'	3"	4"	2.28	4.36	6.43	8.50	18	22	25	29
Elliptical Concrete	12"	18"	2'-10"	2.36'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.68	1.04	1.41	1.77	8	9	11	12
	14"	23"	3'-4"	2.44'	3.75'	6.19'	3.70'	6'	1.90'	2.5'	5.38'	8.71'	12.04'	15.38'	1.23'			0.76	1.19	1.63	2.05	9	10	12	13
	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	2 1/2"	3"	0.95	1.52	2.09	2.65	10	12	13	15
	24"	36"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	2 1/2"	3"	1.18	1.95	2.74	3.53	11	13	15	18
	29"	45"	5'-11"	3.05'	8.90'	11.99'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	2 1/2"	3 1/2"	1.41	2.42	3.44	4.45	12	15	18	20
	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.57'	2.6'	8.25'	15.29'	22.25'	29.25'	1.42'	3"	3 1/2"	1.63	2.92	4.22	5.52	13	17	20	23
	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	3"	4"	1.83	3.36	4.89	6.41	14	18	21	25
	43"	68"	8'-11"	3.56'	13.71'	17.27'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	3"	4"	2.09	3.95	5.80	7.65	16	20	23	27
	48"	76"	9'-11"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	3"	HSS 3"x3"	2.37	4.54	6.73	8.92	17	21	26	30
	53"	85"	10'-8"	3.91'	17.15'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	3"	HSS 3"x4"	2.61	5.09	7.56	10.03	18	23	27	32
	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3 1/2"	HSS 3"x4"	2.91	5.77	8.64	11.50	19	24	29	35



LAST REVISION 11/01/19	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 3 of 7
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CONCRETE PIPE DIMENSIONS AND QUANTITIES AND PERMISSIBLE PAVEMENT MODIFICATION



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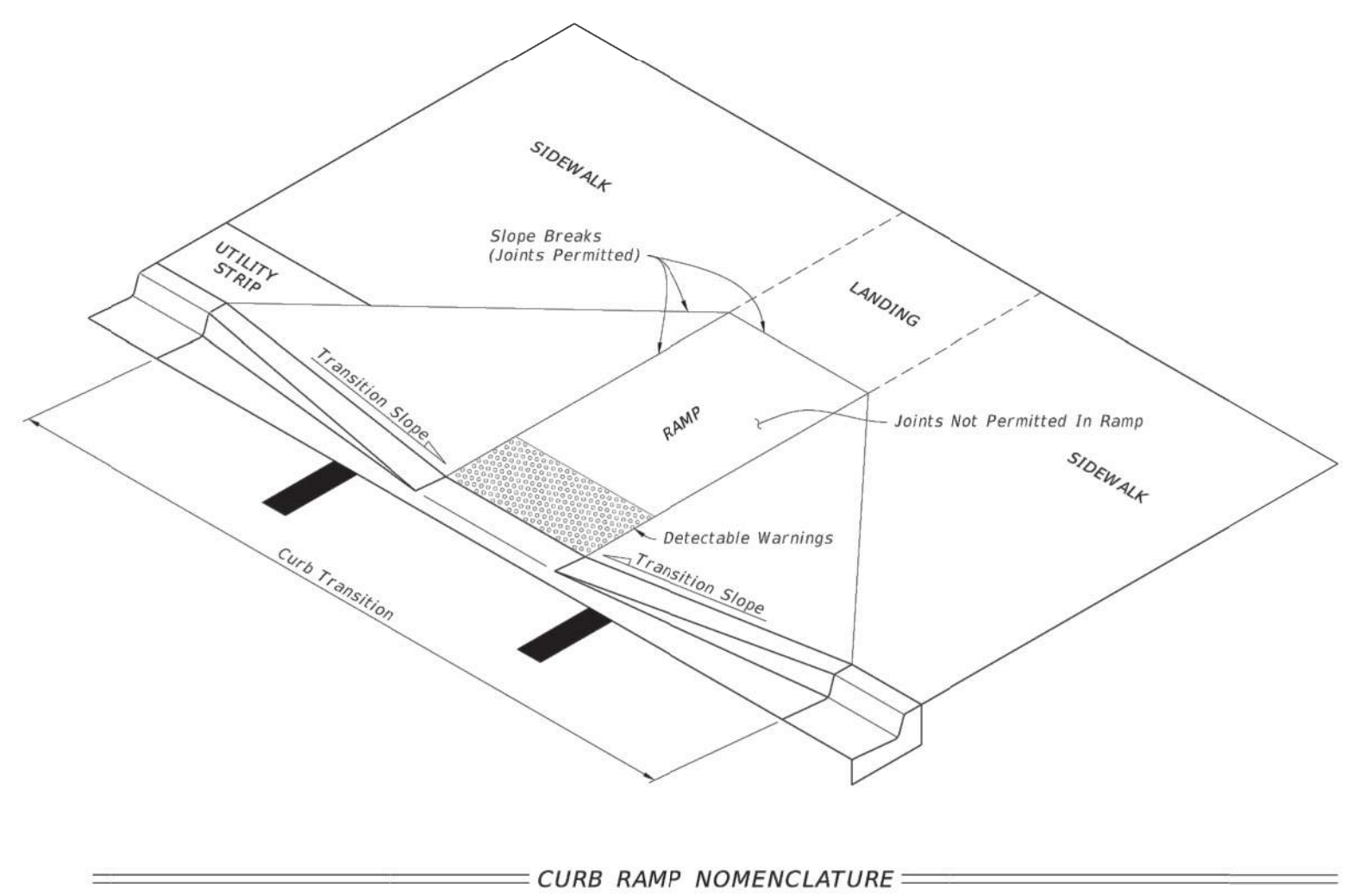
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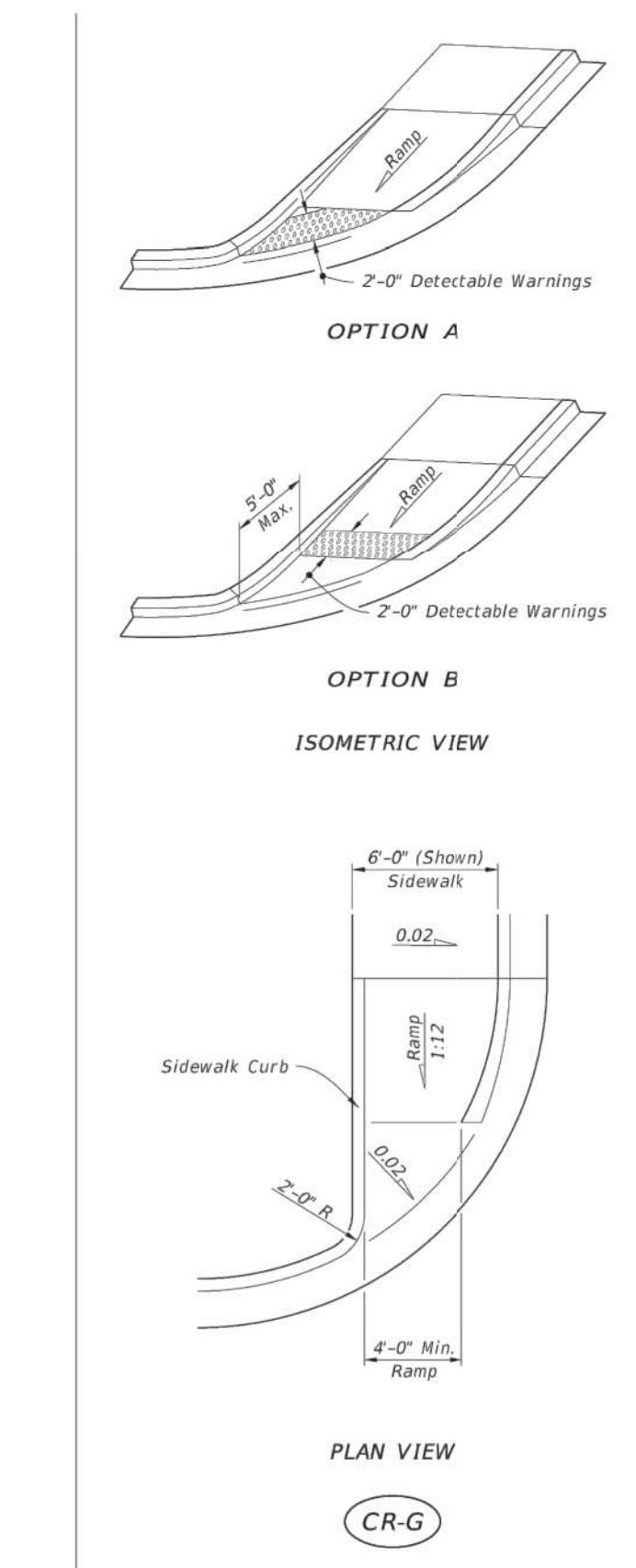
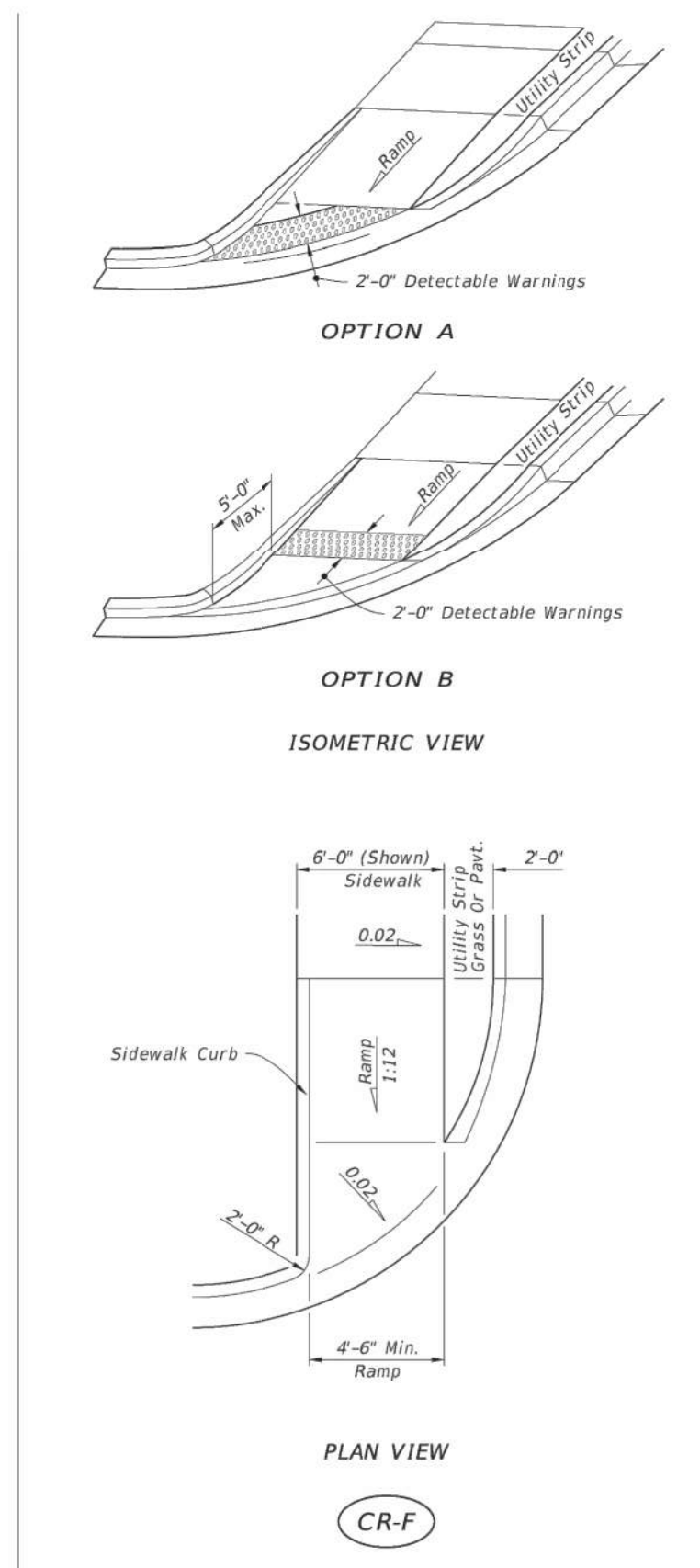
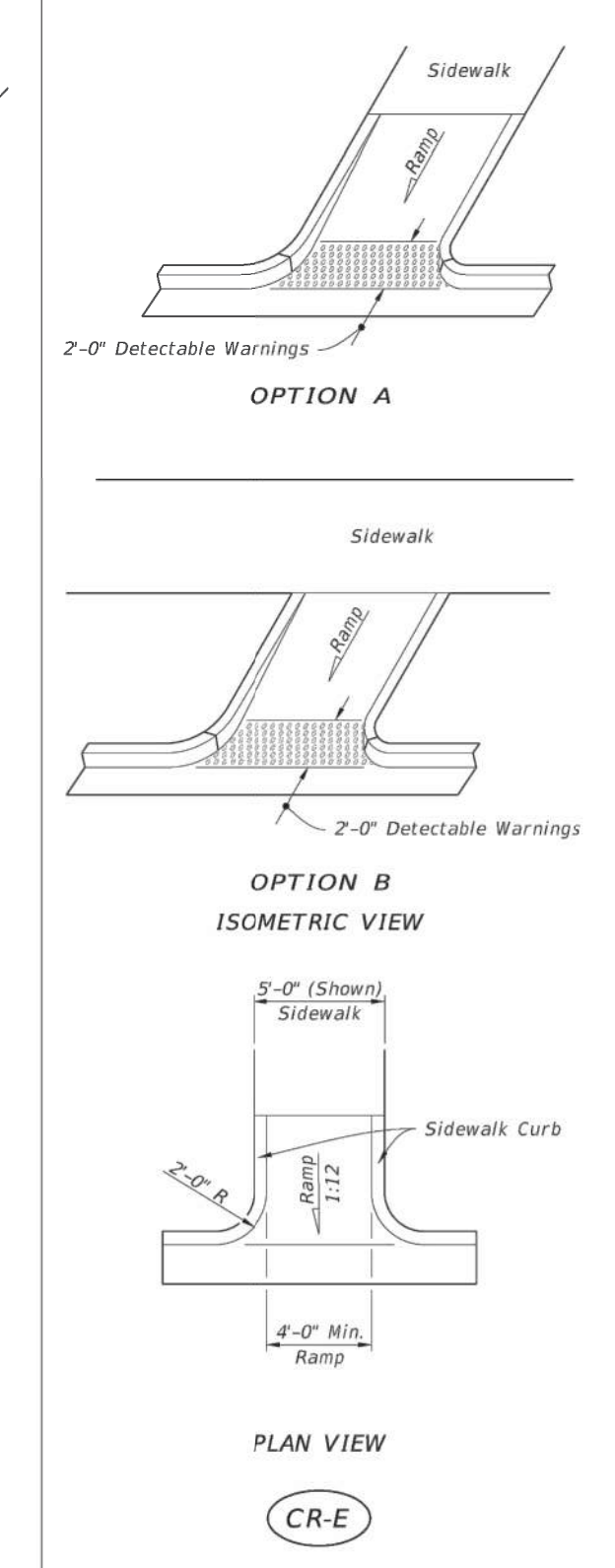
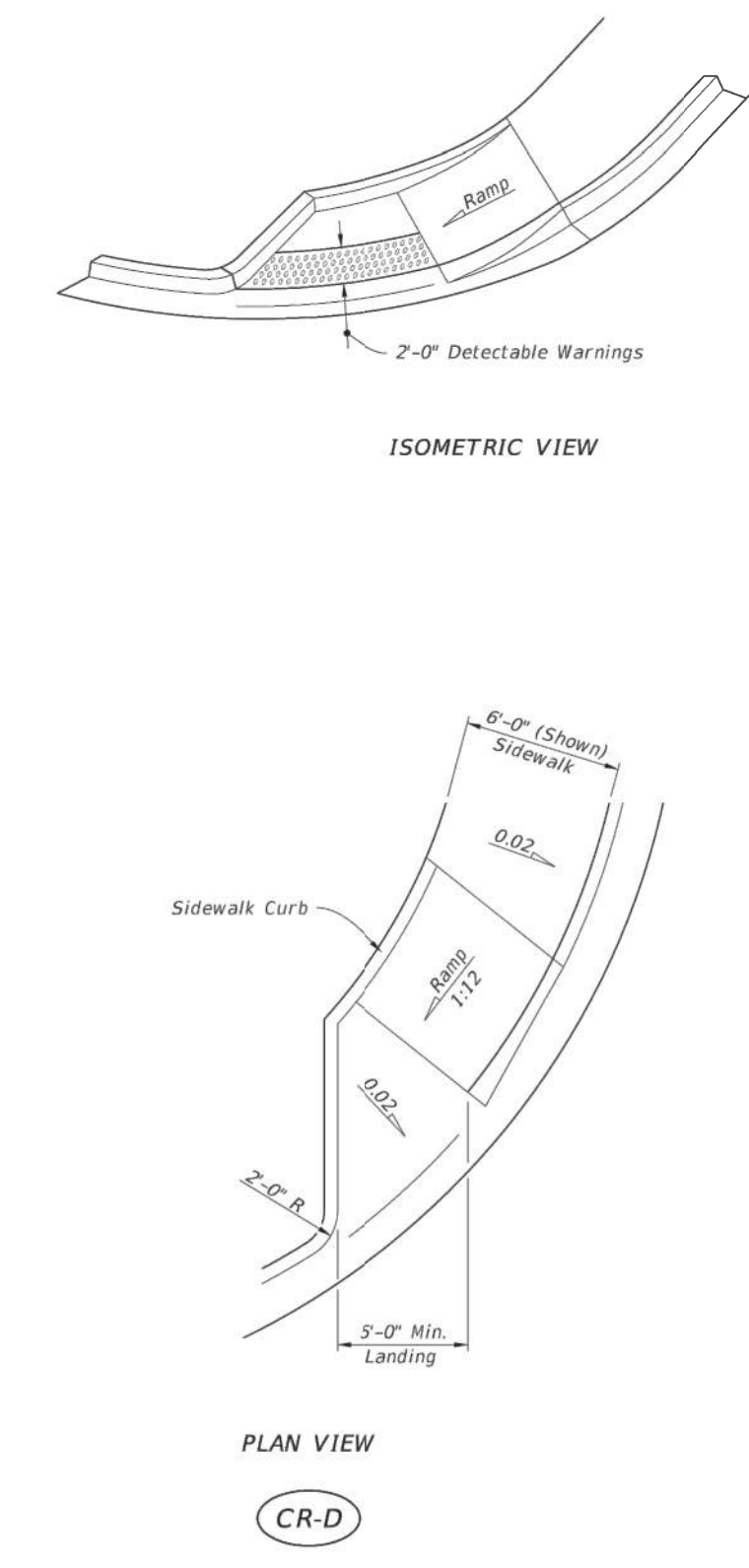
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- GENERAL NOTES:**
- Cross Slopes and Grades:**
 - Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
 - Landings must have cross-slopes less than or equal to 0.02 in any direction.
 - Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
 - Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
 - Grade Breaks:**
 Grade breaks at the top and bottom of ramps must be parallel to each other and perpendicular to the direction of the ramp slope.
 - Curb, Curb and Gutter and/or Sidewalk:**
 - Refer to Index 522-001 for concrete thickness and sidewalk details.
 - Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
 - Curb Ramp Alpha-Identification:**
 - Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
 - Alpha-identifications CR-I and CR-J are intentionally omitted.
 - Detectable Warnings:**
 - Install detectable warnings in accordance with Specification 527.
 - Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 3 feet from the back of the curb or edge of pavement.
 - If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.
 - Detectable Warnings - Acceptance Criteria:**
 - Color and texture shall be complete and uniform.
 - 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
 - There shall be no more than 4 non-compliant domes in any one square foot.
 - Non-compliant domes shall not be adjacent to other non-compliant domes.
 - Surfaces shall not deviate more than 0.10" from a true plane.



12/20/2018 6:55:51 AM

LAST REVISION 11/01/18	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX 522-002	SHEET 1 of 8
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SIDEWALK CURB RAMP CR-D, CR-E, CR-F & CR-G

LAST REVISION 11/01/18	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX 522-002	SHEET 4 of 8
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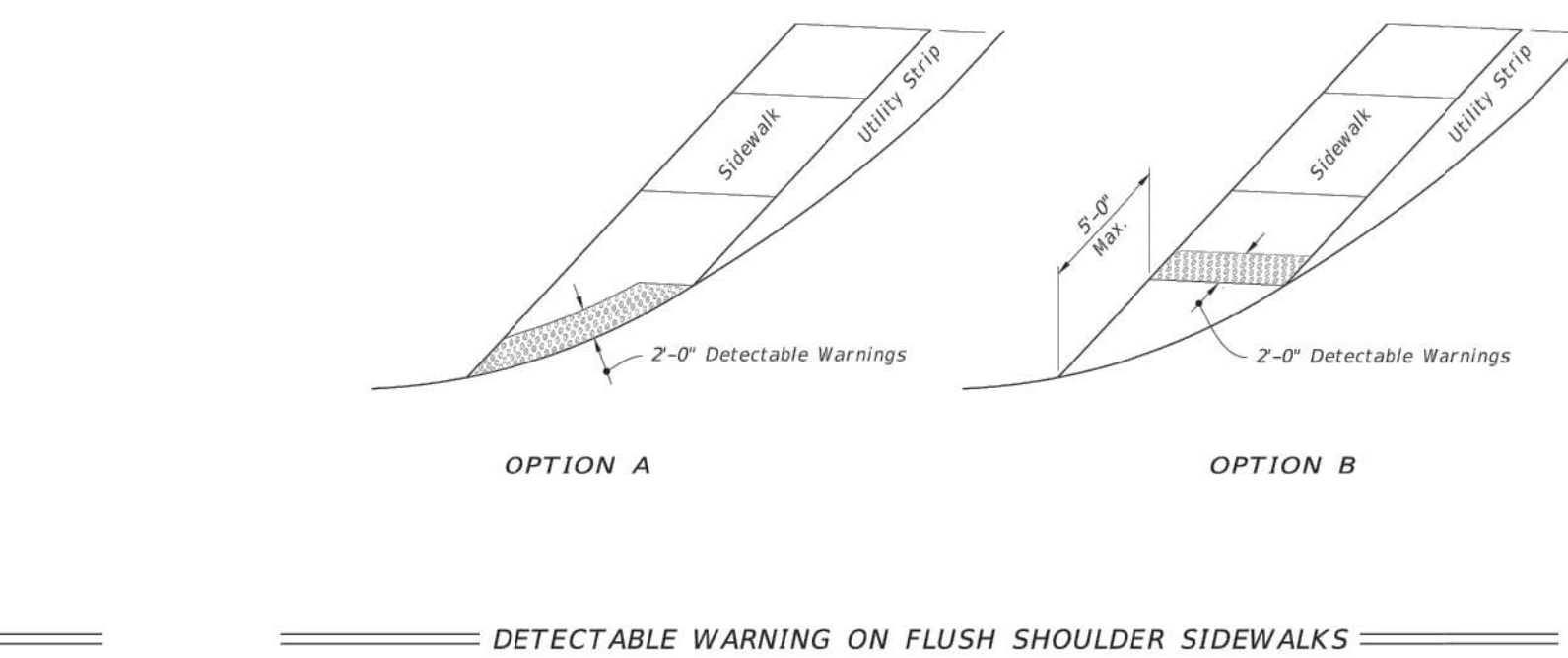
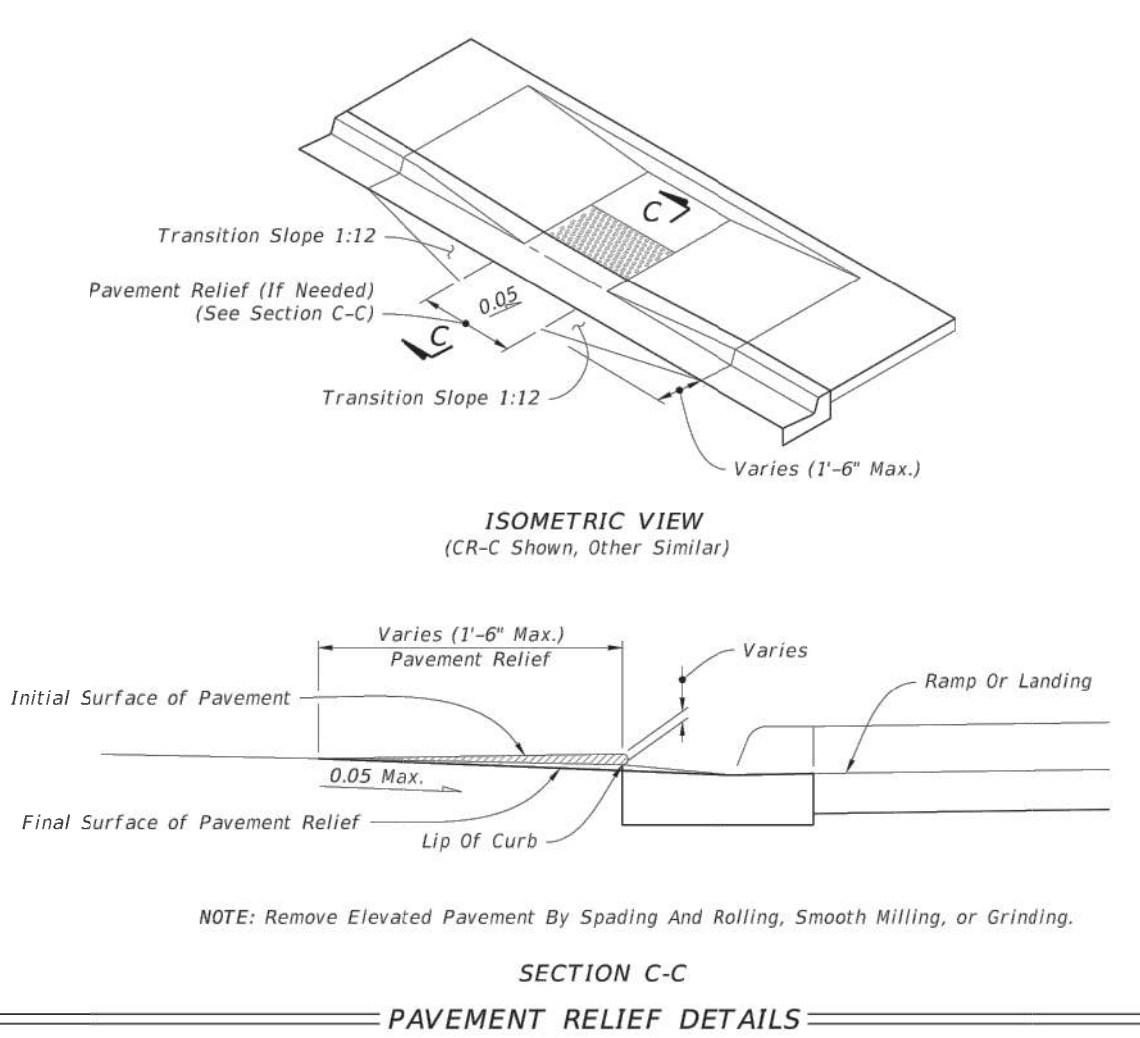
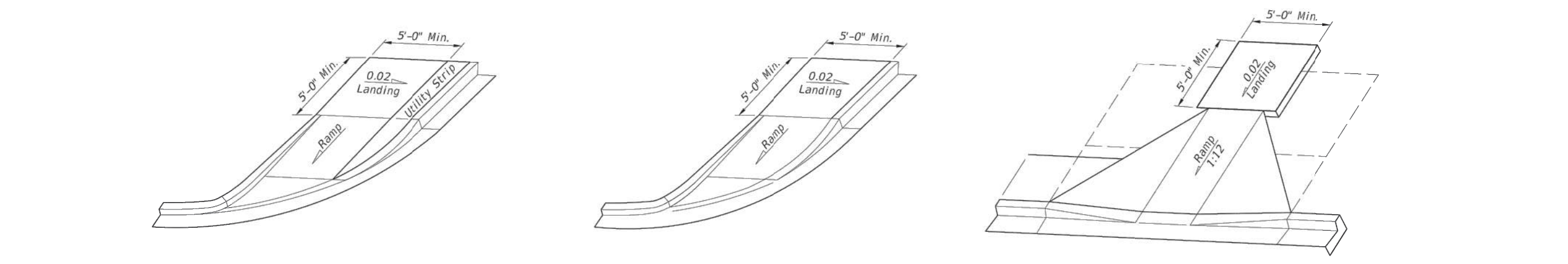
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 CONSTRUCTION PLANS
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DATE: 2023-09-06

REVISIONS

DRAWN BY: ML
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 SHEET NO: C703



CURB RAMP WITHOUT SIDEWALKS AND FLUSH SHOULDER SIDEWALKS

12/21/2018 10:13:00 AM

LAST REVISION 11/01/18	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMP	INDEX 522-002	SHEET 6 of 8
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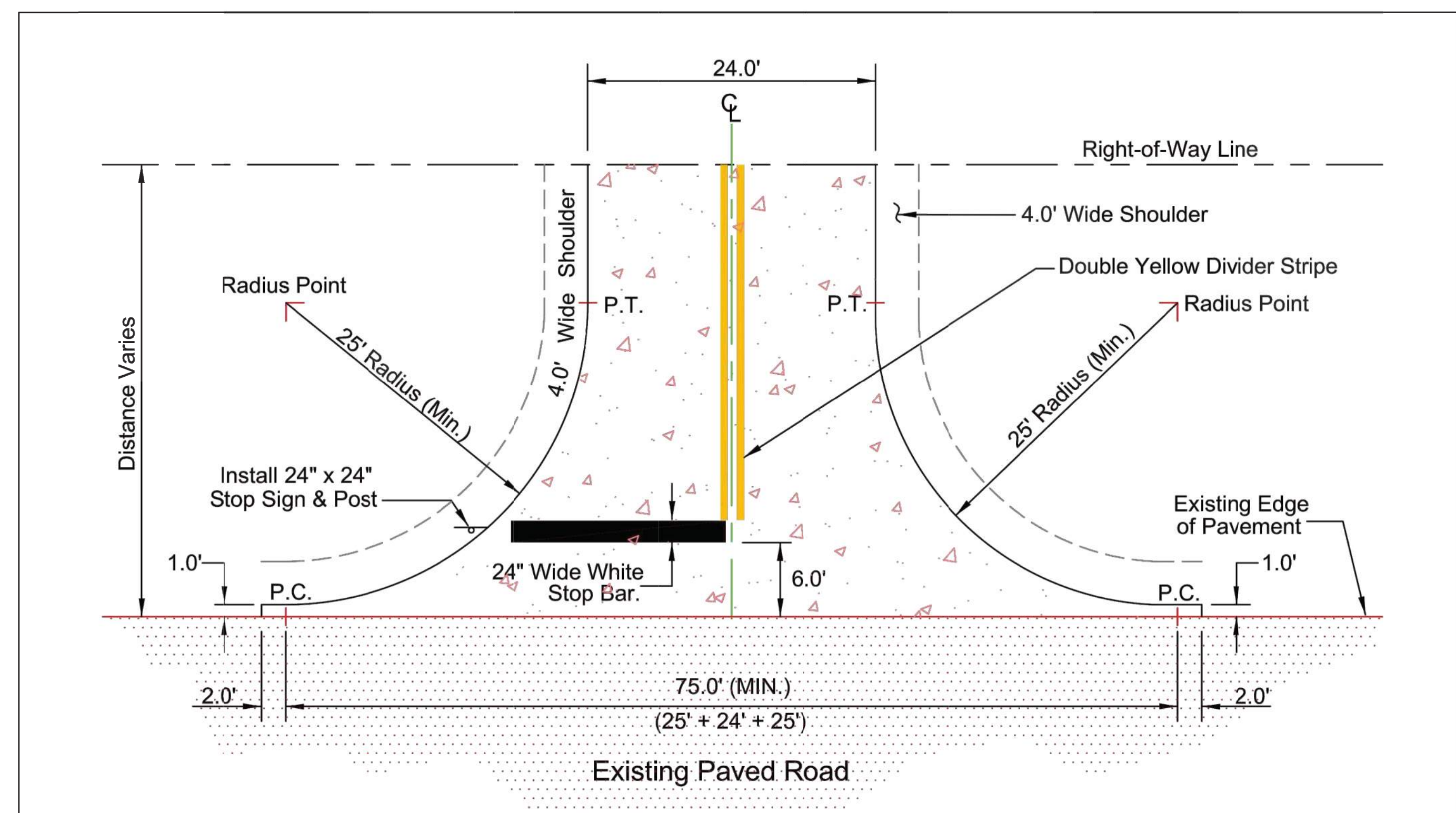
9 & 16	WEST SPENCERFIELD RD & FL SR-10	PACE	SANTA ROSA COUNTY, FLORIDA
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CEFCO-WEST SPENCERFIELD RD & FL SR-10	COSTORDE, LLC	CONSTRUCTION PLANS	FDOT DETAILS
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DATE 2023-09-06

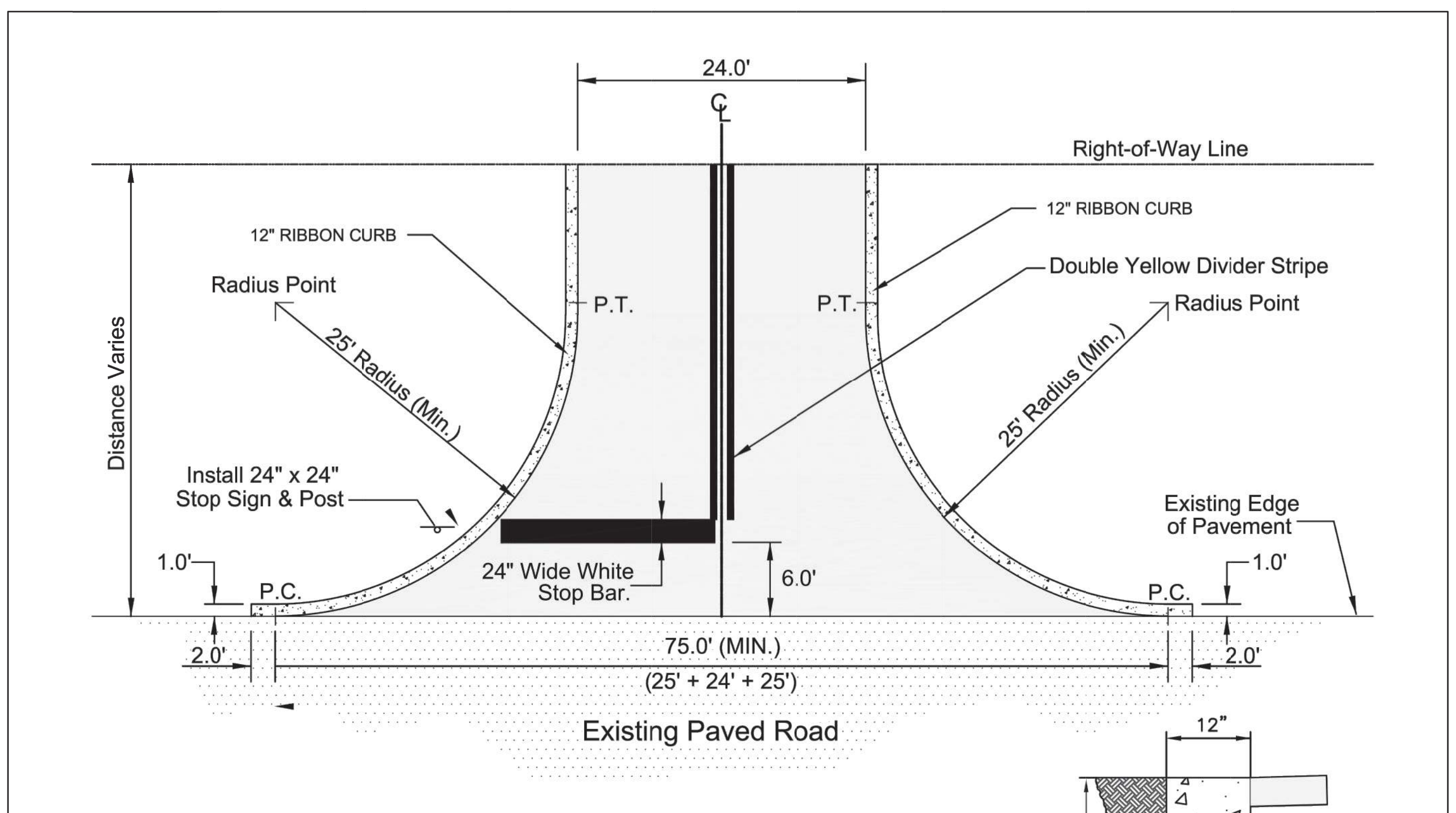
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CHECKED BY: JKG	
PROJECT MANAGER: JKG	
JOB #: 21000648	
FILE CODE: ##	
SHEET NO.	C704

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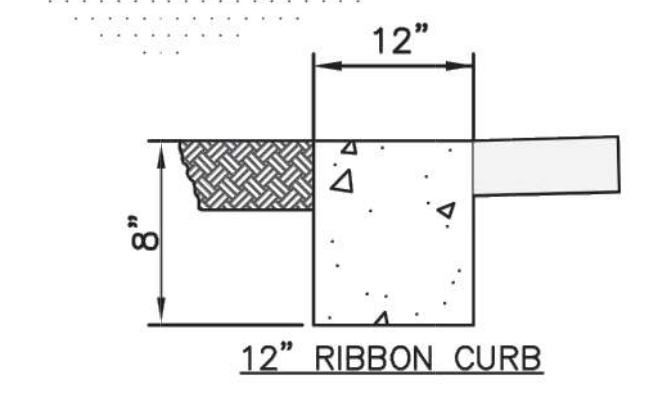


- General Notes:**
- * Concrete Shall Be 6" Thick, 3000 PSI Fibermesh.
 - * Must Have Minimum 4.0' Wide Shoulder Along Driveway.
 - * All Striping Must Be Thermoplastic.
 - * Add Driveway Culvert As Needed. Match Adjacent Pipe Size.

TYPICAL COMMERCIAL DRIVEWAY
 NOT TO SCALE Sheet 1 of 1



- General Notes:**
- * All Striping Must Be Thermoplastic.
 - * Add Driveway Culvert As Needed. Match Adjacent Pipe Size.



1. CURB TO HAVE DUMMY JOINT AT 10' O/C. MIN DEPTH OF JOINT TO BE 2"
2. EXPANSION JOINTS ARE TO BE 30' O/C.

TYPICAL ASPHALT COMMERCIAL DRIVEWAY
 NOT TO SCALE Sheet 1 of 1

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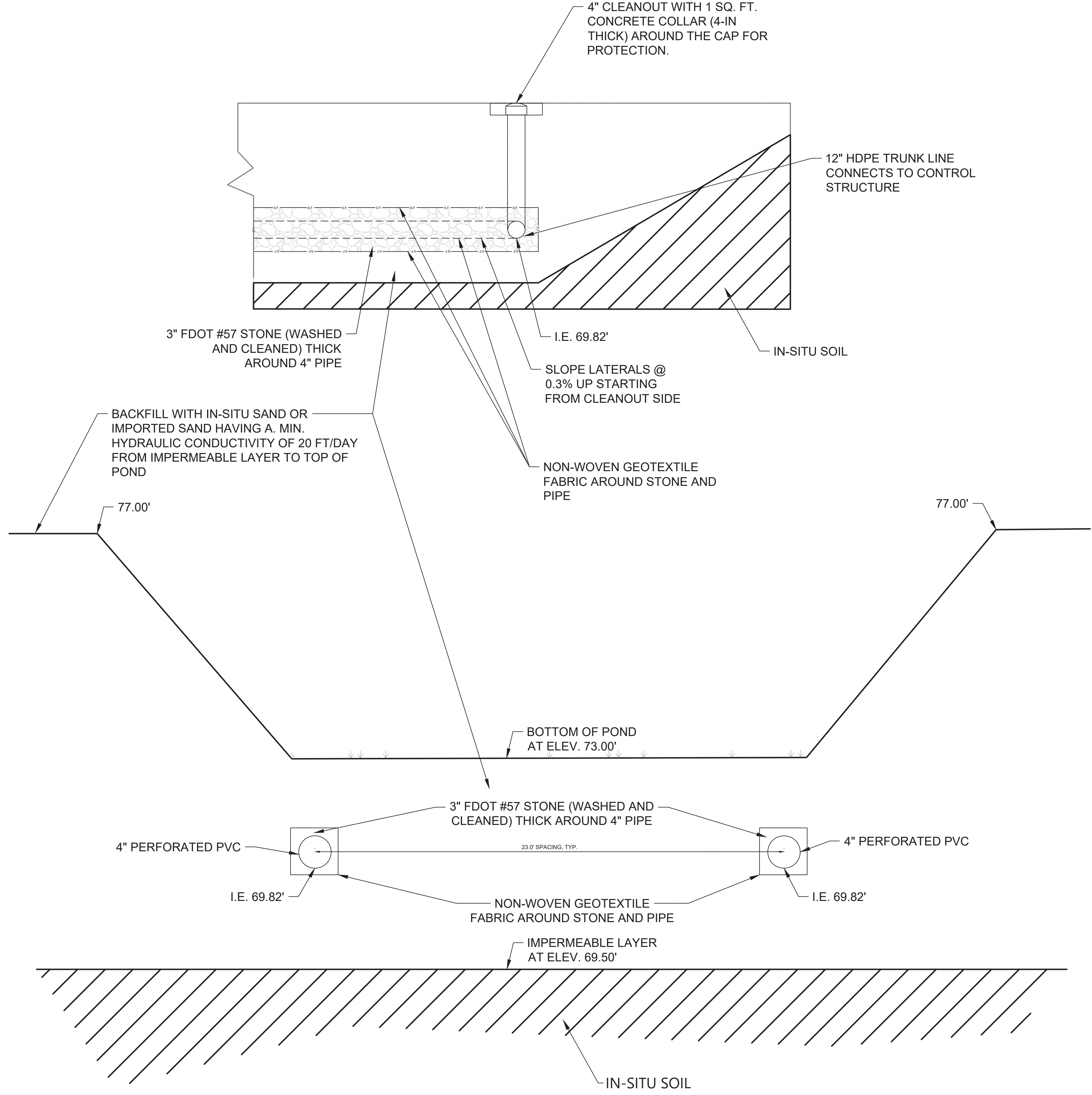
CEFCO-WEST SPENCERFIELD RD & FL SR-10	COSTORDE, LLC	CONSTRUCTION PLANS	UNDERDRAIN DETAILS
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DATE 2023-09-06

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Digitally signed by John Nourzad
Date: 2024.03.08 17:15:52 -05'00'

DRAWN BY: ML
CHECKED BY: JKG
PROJECT MANAGER: JKG
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UNDERDRAIN DETAIL
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811
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 21000648-C700-DETAILS - C706

DATE 2023-09-06

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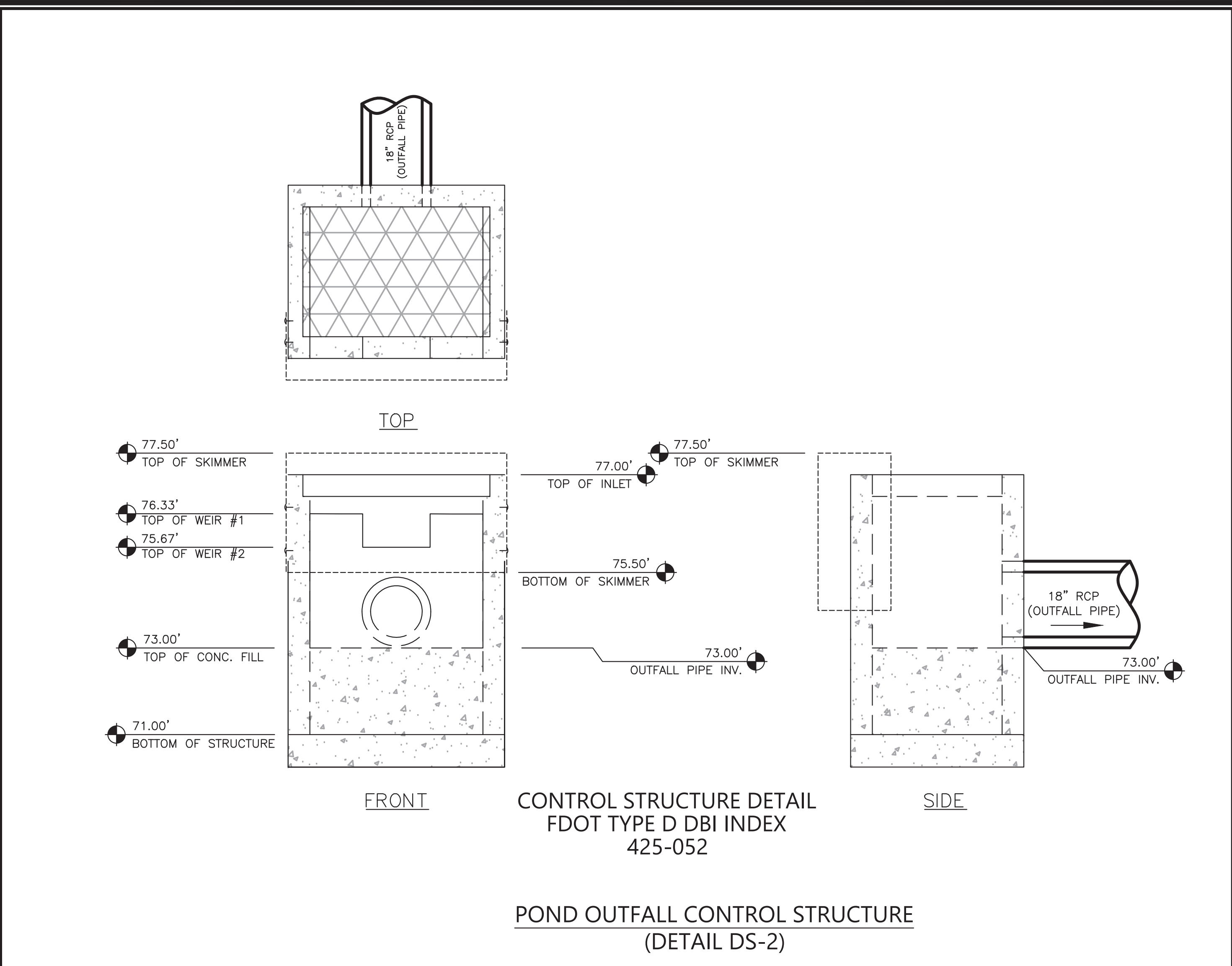
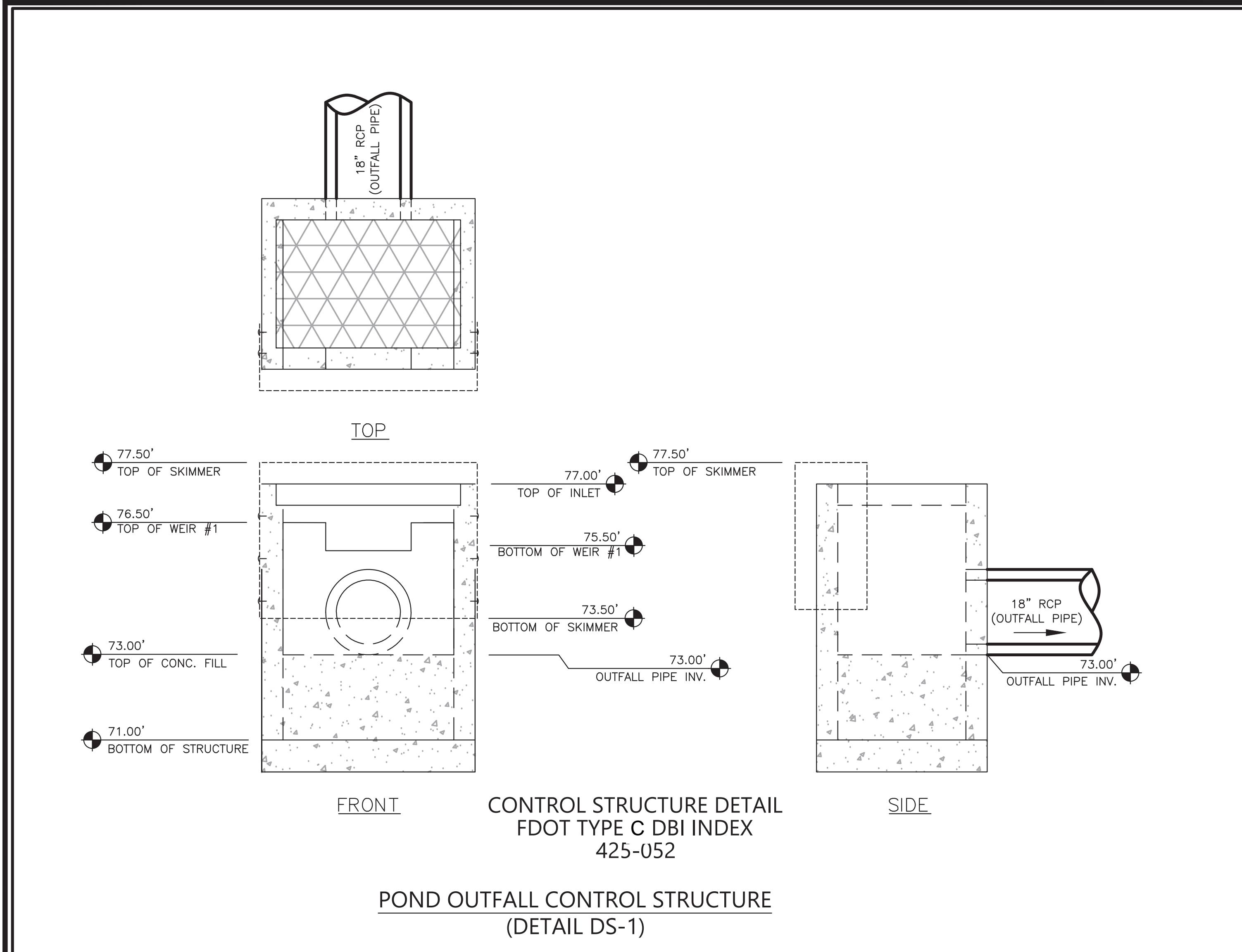
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 PROJECT MANAGER: JKG
 JOB #: 21000648
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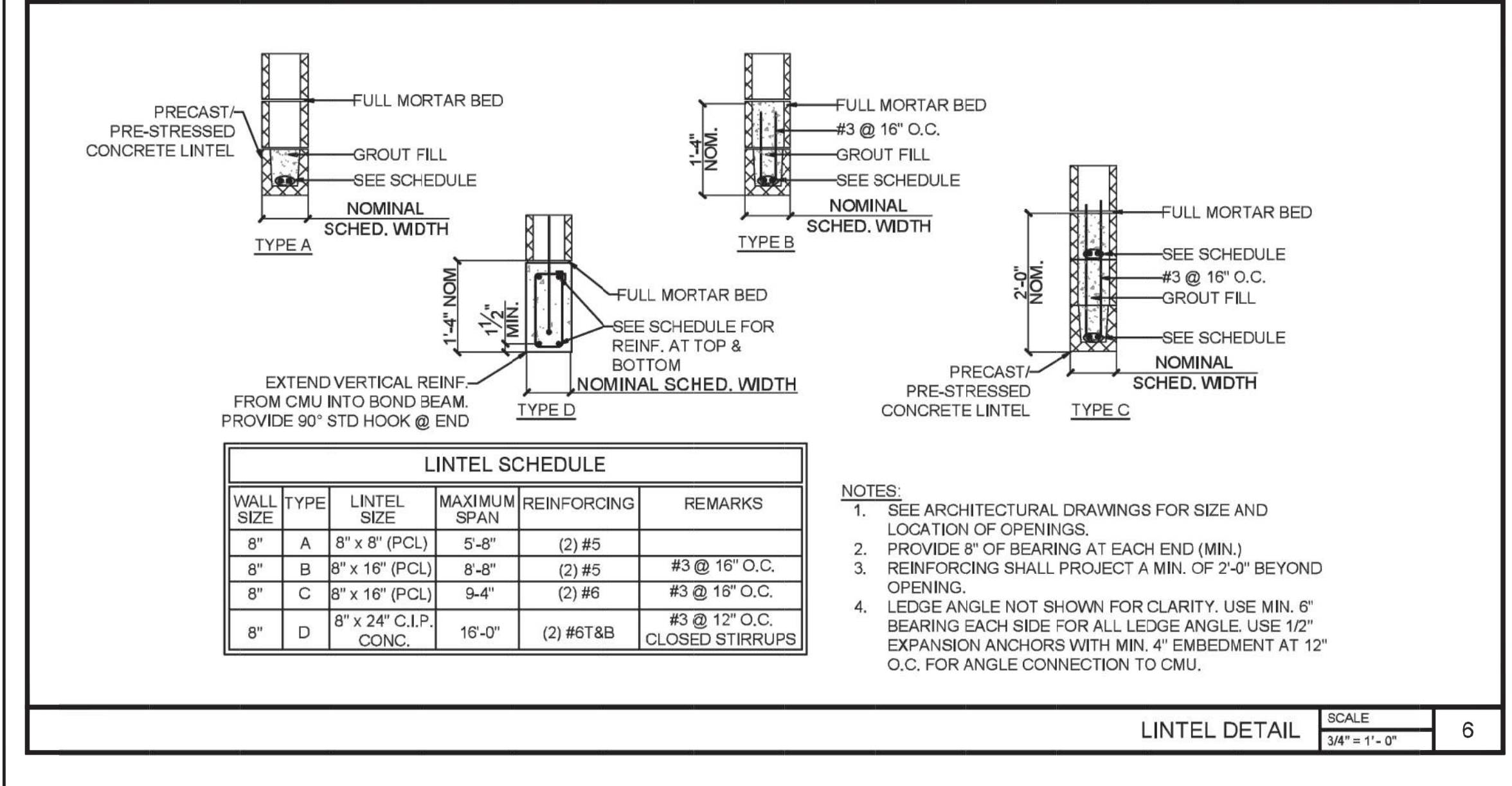
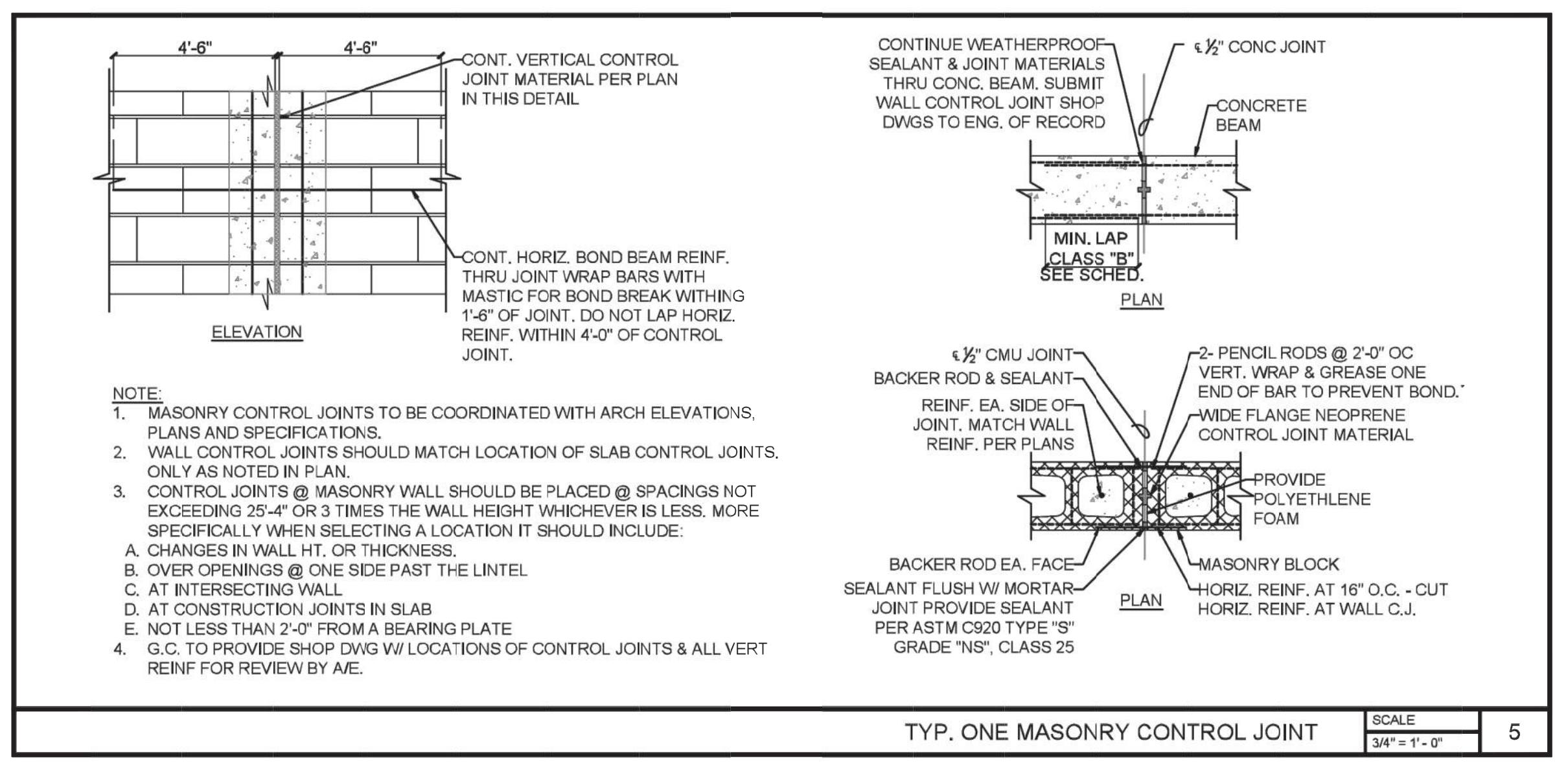
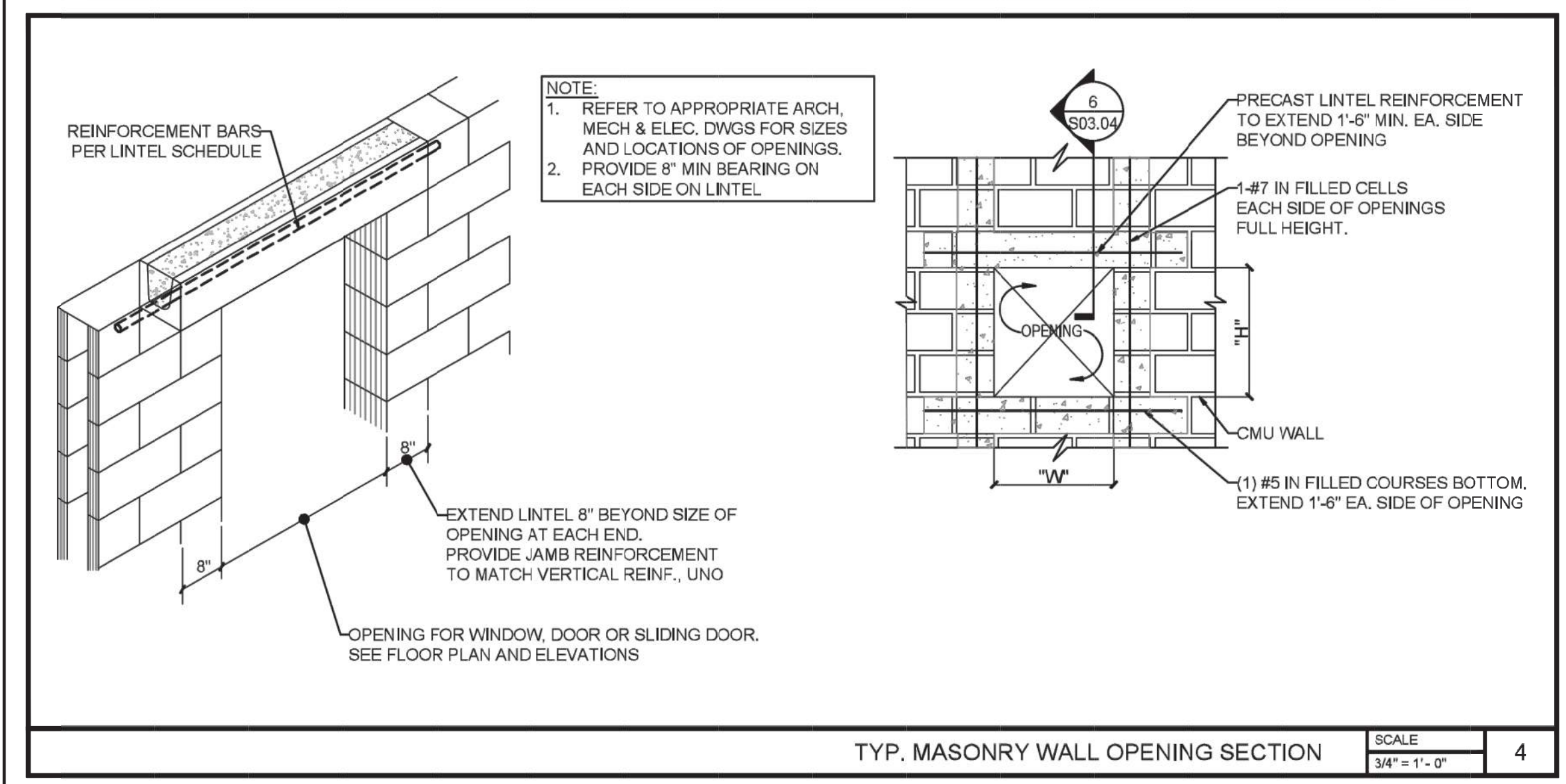
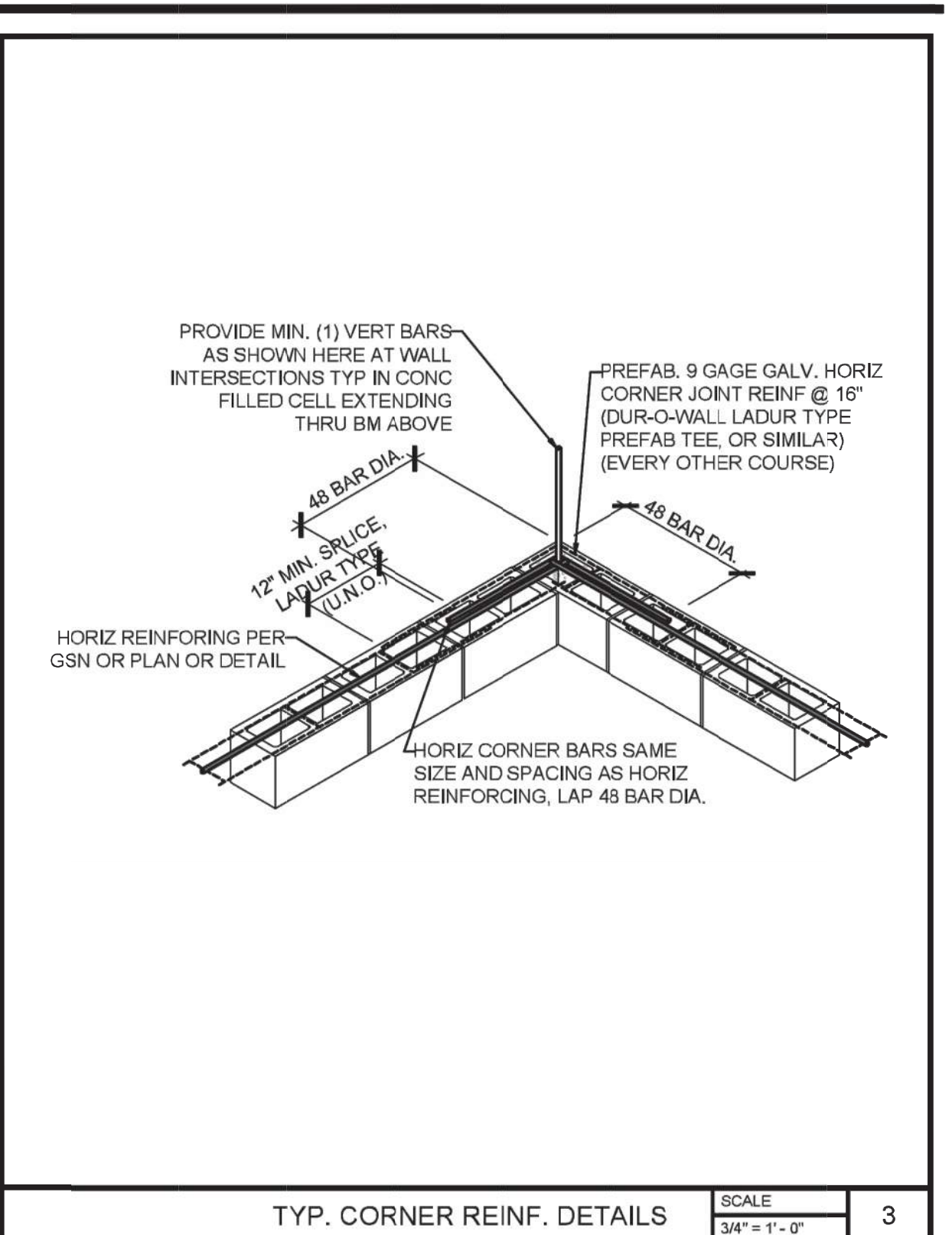
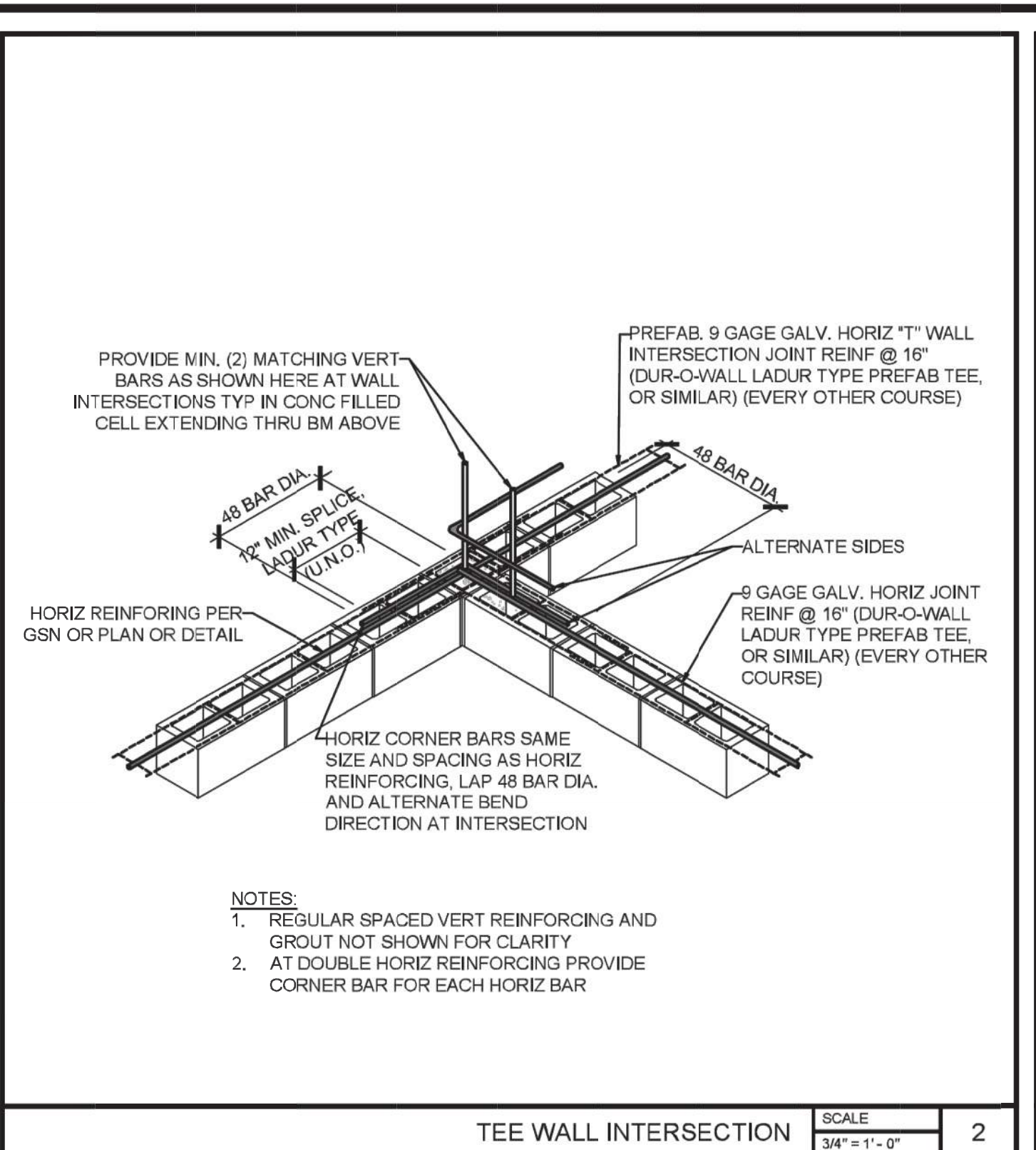
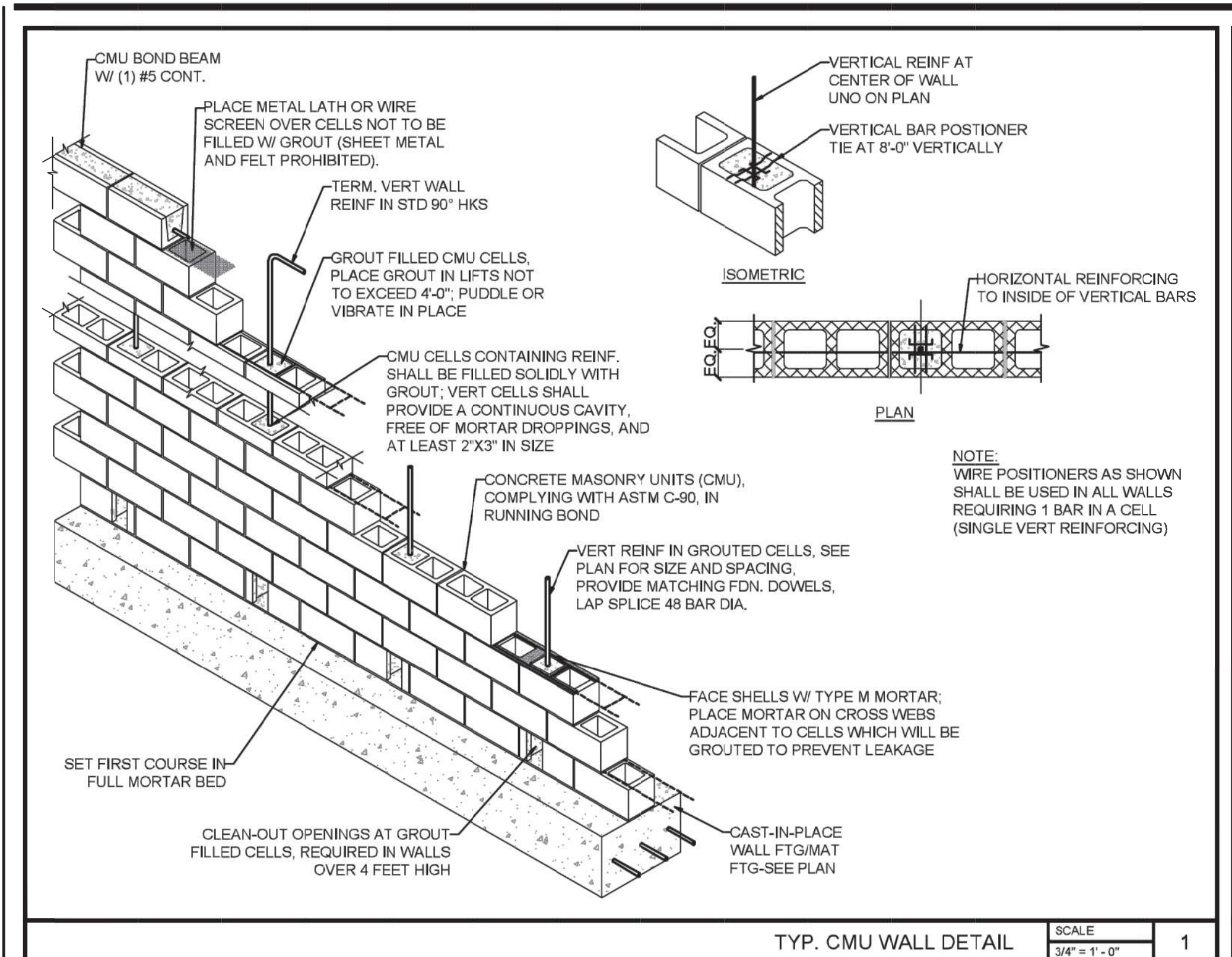
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 WALL DETAIL

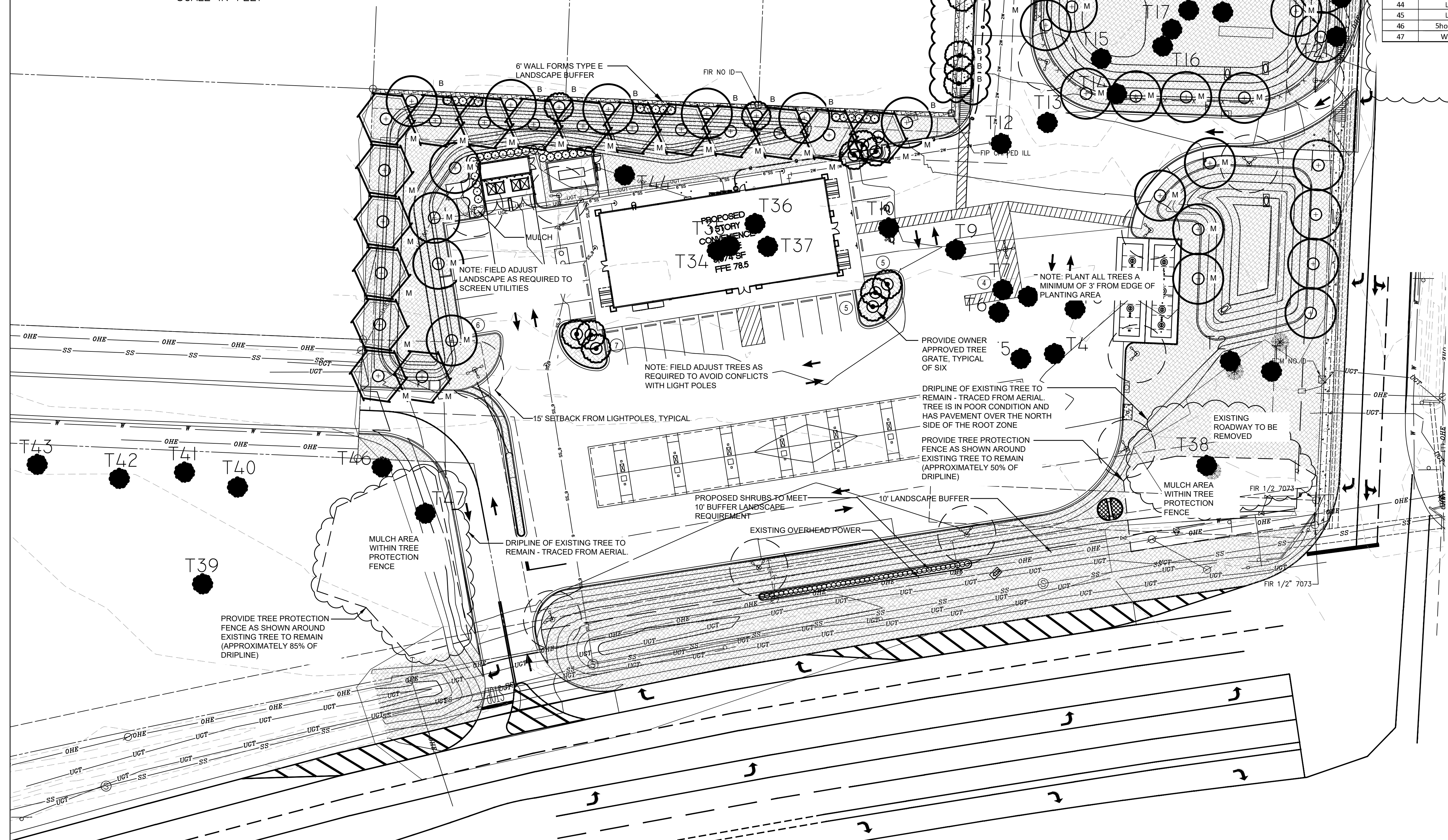
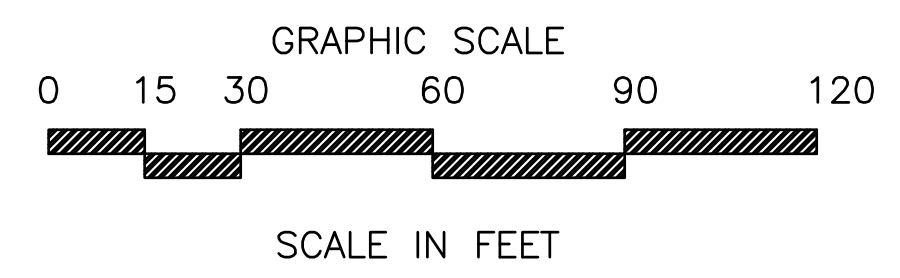
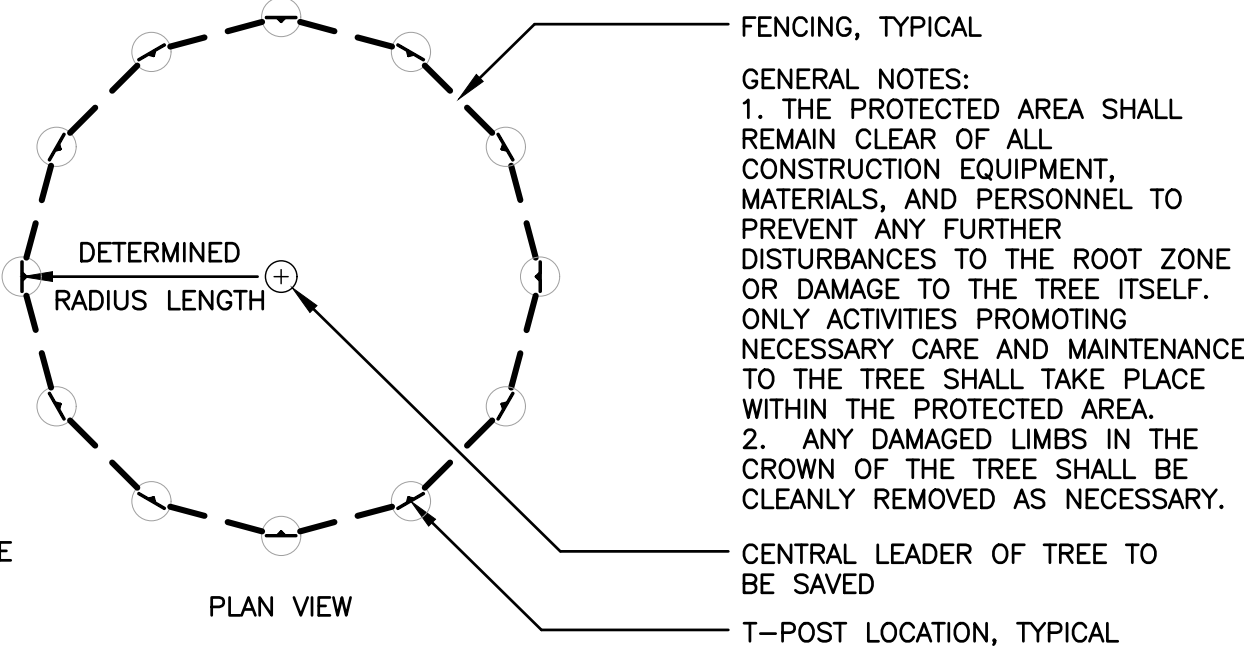
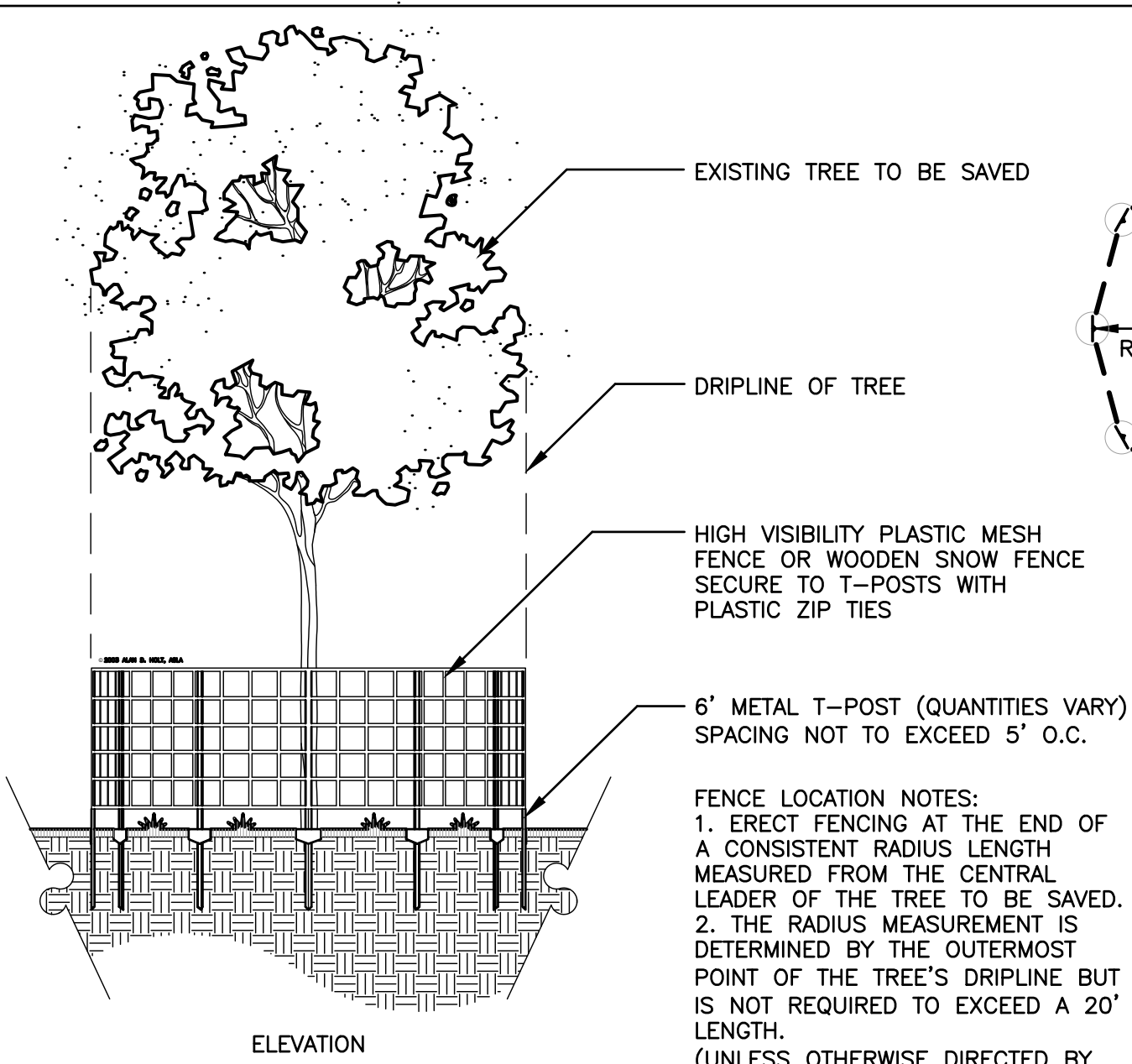
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 DRAWN BY: ML
 CHECKED BY: JKG
 PROJECT MANAGER: JKG
 JOB #: 21000648
 FILE CODE: ##
 SHEET NO. C707

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LANDSCAPE NOTES:

- LOCATE ALL UTILITIES BEFORE DIGGING. PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
- ELIMINATE EXISTING VEGETATION IN AREAS TO BE PLANTED. SPRAY WITH ROUNDUP AT MANUFACTURER'S RECOMMENDED RATE TWICE IN 14 DAYS.
- TOP DRESS ALL AREAS TO RECEIVE PLANTINGS WITH 2" FINISHED MUSHROOM COMPOST PRIOR TO PLANTING.
- ALL PLANT MATERIAL FLORIDA #1 OR BETTER.
- FERTILIZE ALL PLANTINGS WITH OSMOCOTE OR OTHER APPROVED SLOW RELEASE FERTILIZER AT MANUFACTURER'S RECOMMENDED RATE BEFORE MULCHING.
- APPLY PREEN OR OTHER APPROVED PRE-EMERGENT HERBICIDE TO ALL PLANTING AREAS BEFORE MULCHING.
- MULCH ALL AREAS OF TREE, SHRUB AND GROUNDCOVER MASS PLANTINGS WITH 3" PINESTRAW MULCH.
- QUANTITIES SHOWN IN PLANT LIST ARE FOR CONTRACTOR'S CONVENIENCE. VERIFY ALL PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST.
- B&B MATERIAL MAY BE SUBSTITUTED FOR CONTAINER GROWN MATERIAL PROVIDED IT EXCEEDS THE MINIMUM SIZES NOTED.
- SOD ALL DISTURBED AREAS WITH SPECIES SHOWN ON PLAN.
- WARRANTY ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE.

- IRRIGATION NOTES:**
- AUTOMATIC IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS.
 - CONTRACTOR RESPONSIBLE FOR LOCATING AND SUPPLYING ELECTRICAL POWER TO CONTROLLER.
 - CONTRACTOR TO PROVIDE AND PAY FEES FOR SEPARATE IRRIGATION METER.
 - PROVIDE BACKFLOW PREVENTION PER CITY REQUIREMENTS.
 - PROVIDE RAIN SHUT OFF DEVICE PER FLA. STATE LAW.



Tree ID #	Common name	Scientific name	DBH(inches)	Replacement	Disposition	Notes
1	Water Oak	Quercus nigra	34.0		Remove	Not Protected
2	Water Oak	Quercus nigra	29.7		Remove	Not Protected, Multistem
3	Water Oak	Quercus nigra	51.0		Remove	Not Protected
4	Live Oak	Quercus virginiana	36.0	7.0	Remove	
5	American Sweet Gum	Liquidambar styraciflua	23.0		Remove	Not Protected
6	Live Oak	Quercus virginiana	35.0	7.0	Remove	
7	Live Oak	Quercus virginiana	26.5	6.0	Remove	
8	Live Oak	Quercus virginiana	33.0	7.0	Remove	
9	Live Oak	Quercus virginiana	35.5	7.0	Remove	
10	Live Oak	Quercus virginiana	45.0	9.0	Remove	
11	Live Oak	Quercus virginiana	33.5	7.0	Remove	
12	Live Oak	Quercus virginiana	31.5	7.0	Remove	
13	Live Oak	Quercus virginiana	38.5	8.0	Remove	
14	Live Oak	Quercus virginiana	40.0	8.0	Remove	
15	Water Oak	Quercus nigra	34.5		Remove	Not Protected
16	Water Oak	Quercus nigra	29.0		Remove	Not Protected
17	Live Oak	Quercus virginiana	35.5	7.0	Remove	Multistem
18	Live Oak	Quercus virginiana	26.5	6.0	Remove	
19	Live Oak	Quercus virginiana	19.5	5.0	Remove	
20	Live Oak	Quercus virginiana	38.0	8.0	Remove	
21	Laurel Oak	Quercus laurifolia	24.0		Remove	Not Protected
22	Laurel Oak	Quercus laurifolia	32.2		Remove	Not Protected, Multistem
23	Live Oak	Quercus virginiana	45.0	9.0	Remove	
24	Live Oak	Quercus virginiana	23.2	5.0	Remove	Multistem
25	Live Oak	Quercus virginiana	30.5	6.0	Remove	
26	Live Oak	Quercus virginiana	43.3	8.0	Remove	Multistem
27	Laurel Oak	Quercus laurifolia	28.0		Remove	Not Protected
28	Live Oak	Quercus virginiana	29.5	6.0	Remove	
29	Live Oak	Quercus virginiana	22.5	5.0	Remove	
30	Live Oak	Quercus virginiana	25.0	6.0	Remove	
31	Live Oak	Quercus virginiana	25	6	Remove	
32	Laurel Oak	Quercus laurifolia	13.6	6	Remove	Not Protected, Multistem
33	Live Oak	Quercus virginiana	28	6	Remove	
34	Water Oak	Quercus nigra	22		Remove	Not Protected
35	American Sweet Gum	Liquidambar styraciflua	14.5		Remove	Not Protected
36	Water Oak	Quercus nigra	18.0		Remove	Not Protected
37	Live Oak	Quercus virginiana	71.0	13.0	Remove	Heritage
38	Live Oak	Quercus virginiana	71.0	-12.0	Protect	Heritage
39	Live Oak	Quercus virginiana	69		Offsite	Heritage
40	Live Oak	Quercus virginiana	42.3		Offsite	
41	Live Oak	Quercus virginiana	41.0		Offsite	
42	Live Oak	Quercus virginiana	55.0		Offsite	Heritage
43	Live Oak	Quercus virginiana	58		Offsite	Heritage
44	Live Oak	Quercus virginiana	49	9	Remove	Heritage
45	Live Oak	Quercus virginiana	24	5	Remove	
46	Shortleaf Pine	Pinus echinata	22		Offsite	
47	Water Oak	Quercus nigra	48		Offsite	Heritage

Replacement provided on site

Pay to tree fund

- LANDSCAPE LEGEND**
- GROUNDCOVER**
- 75,500± S.F. INCLUDING 10% FOR WASTE BERMUDA 419' SOD
 - CYANODON DACTYLON 'TIFF 419' 1,600± S.F. INCLUDING 10% FOR WASTE
 - PRECAST CONCRETE PAVERS COMMERCIALY AVAILABLE 4X8 PAVERS
 - 12 VARIEGATED FLAX LILY DIANELLA TASMANICA 'VARIEGATA' 1 GAL. 3" O.C.
- SHRUBS**
- 44 DWARF YAUPON HOLLY ILEX VOMITORIA 'NANA' 3 GAL. 12" HEIGHT MINIMUM 30" O.C.
 - 38 'SWEET' VIBURNUM VIBURNUM ODORATISSIMUM 3 GAL. 4" O.C.
- UNDERSTORY TREES**
- 2 SOUTHERN MAGNOLIA MAGNOLIA GRANDIFLORA 8' HEIGHT BUFFER TREE
- CANOPY TREES**
- 18 CABBAGE PALM SABAL PALMETTO 10-14' HEIGHT STAGGERED PARKING LOT TREE BUFFER TREE
 - 42 BALD CYPRESS TAXODIUM DISTICHUM 3" CAL. (2" MIN. DBH) RIGHT OF WAY TREE, MITIGATION TREE, BUFFER TREE
 - 17 'BOSQUE' ELM JULMUS PARVIFOLIA 'UPMTF' 3" CAL. (2" MIN. DBH) MITIGATION TREE
- B = BUFFER TREE
M = MITIGATION TREE
38 TOTAL MITIGATION TREES

LANDSCAPING REQUIREMENTS

PERIMETER BUFFERS ADJACENT TO PUBLIC R.O.W. (TREE REQUIREMENT = 1 TREE PER 40' LINEAR FT. BUFFER LENGTH)

PROPERTY LINE	LENGTH	BUFFER REQUIREMENT	TREES REQUIRED	TREES PROVIDED
NORTH	156'	MIN. 10' WIDE PLANTING STRIP	156/40=4	4 TREES
SOUTH	407'	MIN. 10' WIDE PLANTING STRIP	11	44 SHRUBS
EAST	294'	MIN. 10' WIDE PLANTING STRIP	294/40=8	8 TREES
WEST				

10' LANDSCAPE BUFFER - NORTH

REQUIRED	REQUIRED	PROVIDED
PER 100 L.F. BUFFER	FOR 300 L.F. BUFFER	
1.8 CANOPY TREES	6 CANOPY TREES	6 CANOPY TREES
8 UNDERSTORY TREES	2 UNDERSTORY TREES	2 UNDERSTORY TREES
6 SHRUBS	18 SHRUBS	18 SHRUBS

PARKING AREA INTERIOR LANDSCAPING

(TREE REQUIREMENT = 1 TREE PER 12 PARKING SPACES)

TOTAL SPACES	TREES REQUIRED	TREES PROVIDED
35	3	3

23028-CEFCO SPENCER FIELD

© 2023 ALAN D. HOLT, ASLA
LANDSCAPE ARCHITECT

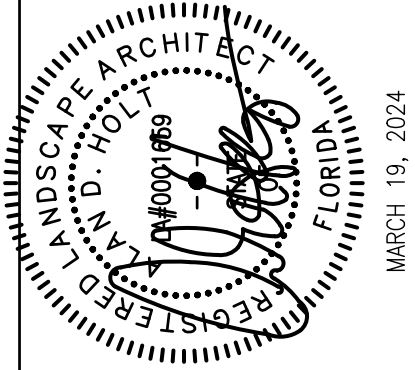
Alan D. Holt, A.S.L.A.
LANDSCAPE ARCHITECT, PA
FL LA #1659

PO BOX 2549 PANAMA CITY, FL 32402
TELEPHONE: (850)914-9006 E-MAIL: alan@alanholtasla.com

CEFCO SPENCER FIELD

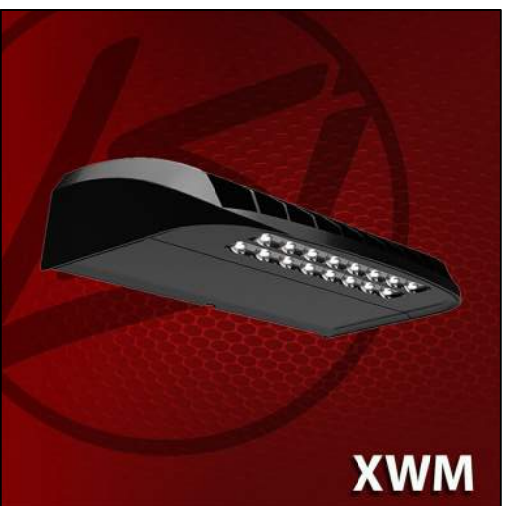
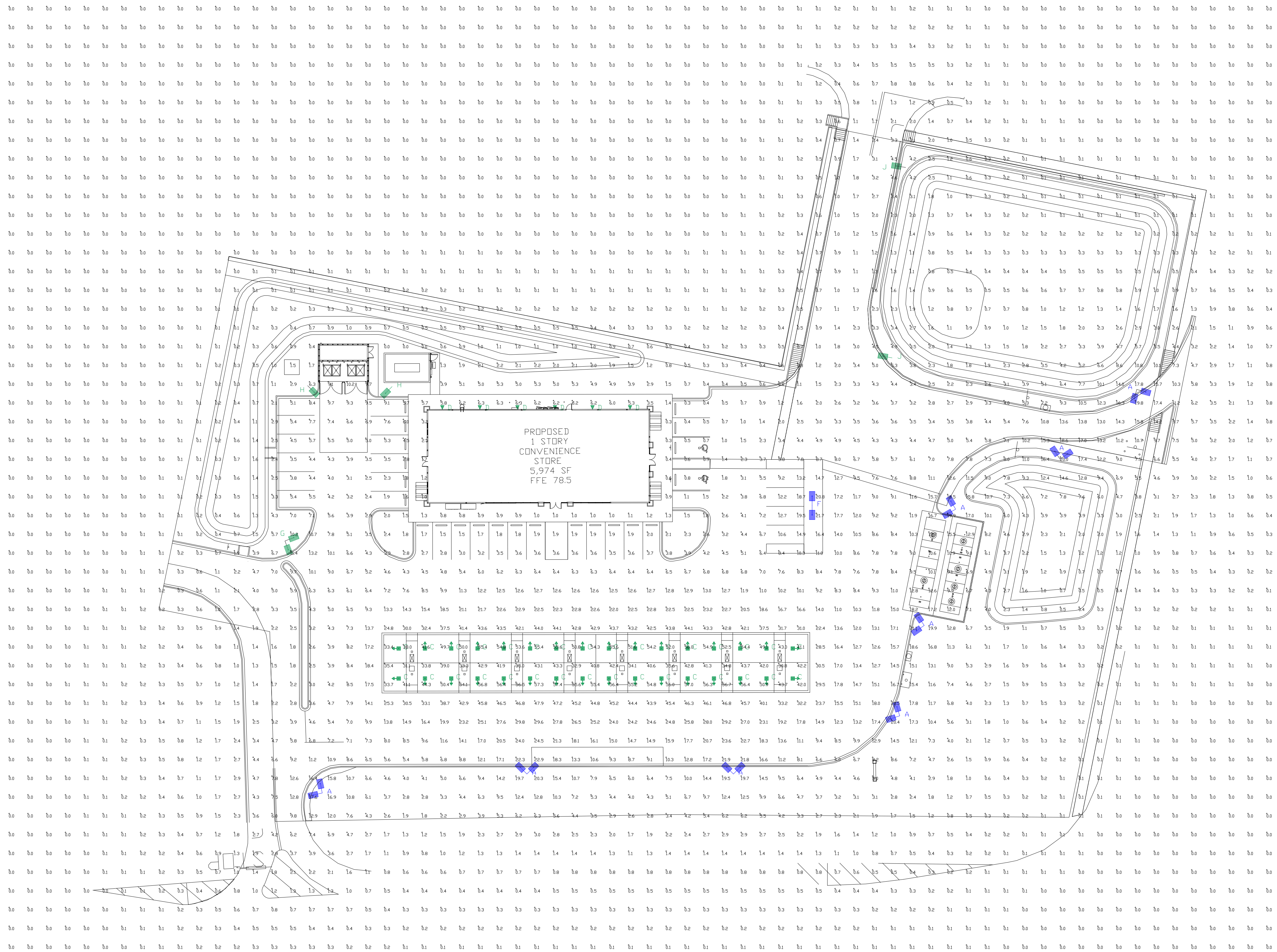
FOR THE FIKES COMPANY
SPENCER FIELD AND 10, SANTA ROSA COUNTY, FL

DATE	ISSUE/REVISION
03/11/23	CONSTRUCTION SET
06/15/23	ADD EXIST. TREES
08/24/23	PER COMMENTS
12/15/23	PER COMMENTS
01/15/24	PER COMMENTS
03/07/24	PER COMMENTS
03/19/24	PER COMMENTS



LANDSCAPE PLAN SHEET NUMBER

LP1



XWM



SMA



CRUS

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS	Illuminance	Fc	3.89	57.4	0.0	N.A.	N.A.
CANDPY	Illuminance	Fc	47.02	57.4	30.8	1.53	1.86
INSIDE CURB	Illuminance	Fc	11.31	47.9	0.2	56.55	239.50

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	Mounting Height	LLD	LLF	Arr. Lum. Lumens	Arr. Watts
	8	A	2 @ 90 degrees	SMA-LED-28L-ACR-FT-UNV-50-D90	22'POLE+3'BASE	1.000	1.000	54500	400
	32	C	SINGLE	CRUS-SCFT-LED-VHO-50-UE	17'	1.000	1.000	23269	152
	6	D	SINGLE	XWM-FT-LED-04L-50	12'	1.000	1.000	4386	30
	1	F	D180	SMA-LED-28L-ACR-5W-UNV-50-D180	22'POLE+3'BASE	1.000	1.000	56170	400
	1	G	2 @ 90 degrees	SMA-LED-28L-ACR-FT-50-UNV-IHS-D90	22'POLE+3'BASE	1.000	1.000	33732	400
	2	H	Single	SMA-LED-28L-ACR-FT-50-UNV-IHS-SINGLE	22'POLE+3'BASE	1.000	1.000	16866	200
	2	J	Single	SMA-LED-28L-ACR-3-UNV-50-SINGLE	22'POLE+3'BASE	0.500	0.500	28038	200

PHOTOMETRIC EVALUATION
NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with the Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Total Project Watts
Total Watts = 9844



LIGHTING PROPOSAL LD-156782-3

DATE: 10-12-22	REV: 09-07-23	SHEET 1 OF 1
SCALE: 1"=30'		

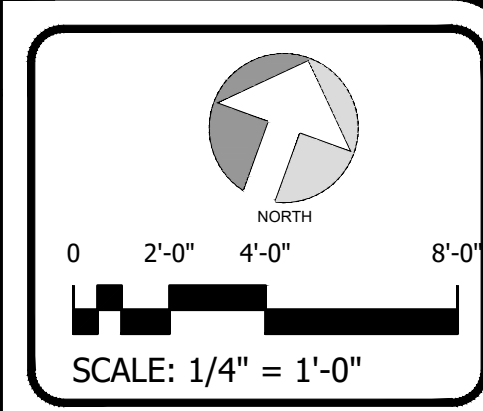
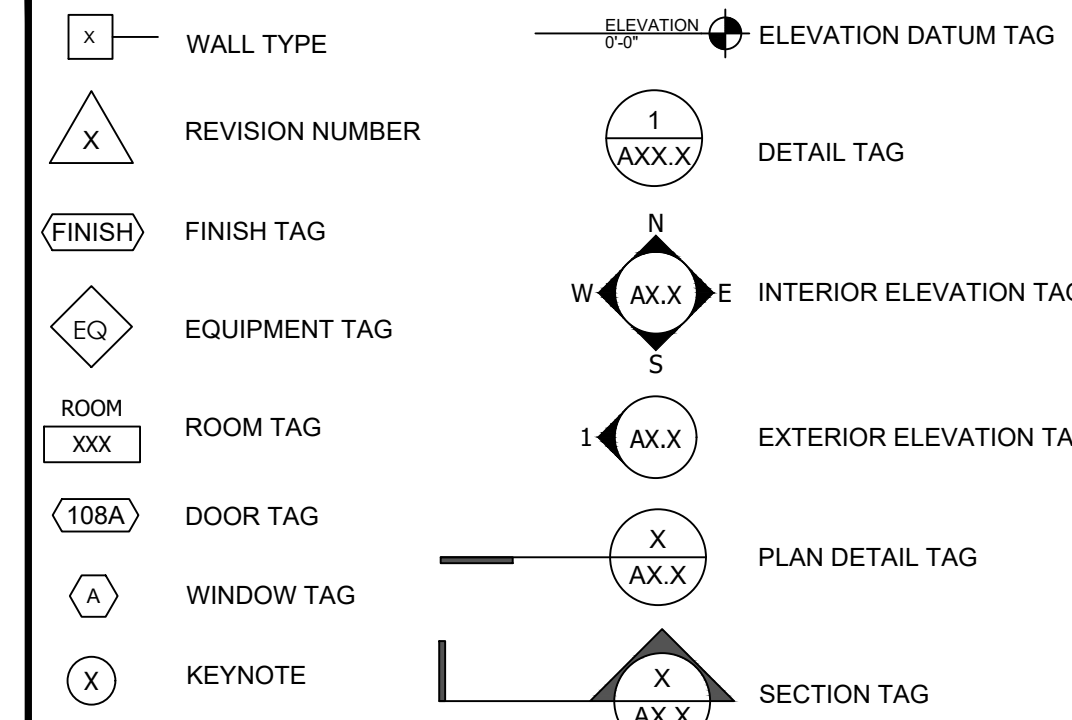
KEYED NOTES:

- 1 ALL INTERIOR WALLS AND EXPOSED WALK IN COOLER WALLS IN CUSTOMER AREA ARE TO BE COVERED W/ 5/8" FIRE CODE GYPSUM BOARD.
- 2 WALK IN COOLER FACES ARE TO BE COVERED WITH 1/4" GYPSUM BOARD LAMINATE TO WALL.
- 3 ALL WALK IN COOLER DOORS ARE TO BE COORDINATED WITH OWNER AND COOLER VENDOR (BASIS OF DESIGN: GEMTRON-SIERRA 30" X 75").
- 4 EXTERIOR ALUMINUM LADDER MODEL NO. 564HD-C WITH SECURITY DOORS MODEL NO. H-300 PRIMED AND PAINTED AS PER OWNERS SPECIFICATIONS PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- 5 GAS READOUT AND TELEPHONE BOARDS WILL REQUIRE 5/8" F.T. CDX PLYWOOD PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. PAINT MATTE WHITE. MUST BE CLEANABLE SURFACE. CPI PANELS TO BE INSTALLED BY VENDOR.
- 6 SECURITY SYSTEM: PROVIDE 3/4" CONDUIT STUBBED UP ABOVE CEILING HEIGHT. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 7 GASOLINE EQUIPMENT LINES TO BE RUN UNDER FINISHED FLOOR. REFER TO TANK DRAWINGS.
- 8 BEVERAGE LINES BAG-N-BOX TO FOUNTAIN DRINK DISPENSER TO BE RUN ABOVE CEILING GRID. LOW VOLTAGE EQUIPMENT AREA; SEE LOW VOLTAGE PLAN FOR MORE DETAILED INFORMATION.
- 9 LOW VOLTAGE EQUIPMENT AREA; SEE LOW VOLTAGE PLAN FOR MORE DETAILED INFORMATION.
- 10 RECESSED JUNCTION BOX FOR BULK CO2 CONNECTION.
- 11 ALL WALLS TO RECEIVE FLOOR TO CEILING FRP AND COVE BASE. VERIFY SPECIFICATIONS WITH OWNER.
- 12 DOORS WITH CLOSERS SHALL BE ADJUSTED SUCH THAT FROM AN OPENING POSITION OF 90 DEGREES THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH SHALL TAKE 5 SECONDS MIN. ALL INTERIOR SWINGING EGRESS DOORS SHALL OPERATE WITH A PUSH/PULL FORCE OF 5 LBS. FLORIDA ADA CODES CHAPTER 4. ALL EXTERIOR DOORS WITH A CLOSER SHALL OPERATE WITH A PUSH/PULL FORCE OF 8.5 LBS. MAXIMUM.
- 13 IC'S OR EQUAL WALK-IN COOLER, VAULT, AND RELATED EQUIPMENT FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER
 - ELECTRICAL CONNECTIONS FOR FANS, CONDENSER
 - CONNECTIONS BY ELECTRICAL CONTRACTOR
 - PLUMBING CONNECTIONS FOR CONDENSATION LINES BY PLUMBING CONTRACTOR
 - REFRIGERATION CONNECTIONS BY HVAC CONTRACTOR
- 14 ALL WET AREAS: SINKS, LAVATORY, URINAL AND TOILET LOCATIONS SHALL HAVE CEMENT BOARD BACKING UP TO 48" AFF. USE MOISTURE RESISTANT COVERED GYPSUM BOARD ABOVE CEMENT BOARD WHERE APPLICABLE.
- 15 ALL CONDUITS FROM BACK ROOM OVER GYPSUM BOARD CEILING TO BE PLACED IN CONDUIT PROPERLY SIZED FOR SERVICE LINE. CONDUIT TO EXTEND TO EDGE OF GYPSUM BOARD CEILING WITH SWEEPS.
- 16 TWO REMOVABLE SMOOTH 3/8" PLYWOOD PANELS PAINTED BOTH SIDES. PANELS TO START AT APPROX. 1/2" ABOVE DRINK COUNTER TO 9'-8" AFF OR 4" FROM CEILING GRID WITH LATCH TO SECURE DOORS IN PLACE.
- 17 PARTIAL HEIGHT WALL (PART OF MILLWORK SYSTEM), SEE ELEVATIONS. CONSTRUCTION TO MATCH TYPE 1A. SEE MILLWORK DRAWINGS FOR MORE DETAILS.
- 18 FURRED WALLS AT TOP OF COOLER TO BE 3-5/8" METAL STUDS @ 16" O.C. WITH 6/8" MOISTURE RESISTANCE GYPSUM WALLBOARD. ALIGN FACE WITH 1/4" GYPSUM WALLBOARD ON COOLER.
- 19 FURNISH AND INSTALL NEW DIRECTIONAL SIGNAGE TO ADA ENTRANCE. SEE ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION.
- 20 FURNISH AND INSTALL NEW HORIZONTAL TACTILE EXIT SIGN. SEE DETAIL A13.1 FOR MOUNTING HEIGHTS AND SPECIFICATION.
- 21 FURNISH AND INSTALL NEW VERTICAL TACTILE EXIT SIGN. SEE DETAIL A13.1 FOR MOUNTING HEIGHTS AND SPECIFICATION.

GENERAL NOTES

- 1. PROVIDE LAYOUT FOR ALL EQUIPMENT AS REQUIRED.
- 2. INTERIOR LAYOUT DIMENSIONS ARE FACE TO FACE OF DRYWALL OR FINISH SURFACE, (U.N.O.).
- 3. LAYOUT AS DIMENSIONED ONLY; DO NOT SCALE. REFER TO SHEET A9 FOR PARTITION TYPES.
- 4. ALL FIXTURES AND/OR EQUIPMENT FURNISHED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE SPECIFIED.
- 5. SEE SHEET A9 FOR DOOR AND HARDWARE SCHEDULE.
- 6. SEE SHEET A10 AND A10.1 FOR INTERIOR FINISH SPECIFICATIONS.
- 7. SEE SHEET A3 FOR EQUIPMENT SCHEDULE & LOCATION.
- 8. ALL CONSTRUCTION SHALL COMPLY W/ ALL CURRENT A.D.A. SPECIFICATIONS. GC TO ADDRESS ALL SELF-SERVICE & DISPENSING DEVICES.
- 9. SEE MEP DRAWINGS FOR LOCATIONS OF ALL CONDUIT.
- 10. EXTERIOR WALLS ARE SHOWN AS 6" METAL STUDS WITH STUCCO FINISH AND CREATIVE FAUX STONE SYSTEM. IF OTHER CONSTRUCTION METHODS ARE USED, IT BECOMES THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ADJUST THE OVERALL OUTSIDE DIMENSIONS IN ORDER TO MAINTAIN THE INSIDE CLEAR DIMENSIONS AS INDICATED.
- 11. G.C. TO MAINTAIN 2'-3" MOISTURE GAP BETWEEN COOLER AND SURROUNDING WALLS.

PLAN SYMBOLS



No.	Revision	Description	Date
1		ISSUE FOR PERMIT	11/14/2022

INFINITY

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FL Cert. of Auth. No. 27889

Date

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NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

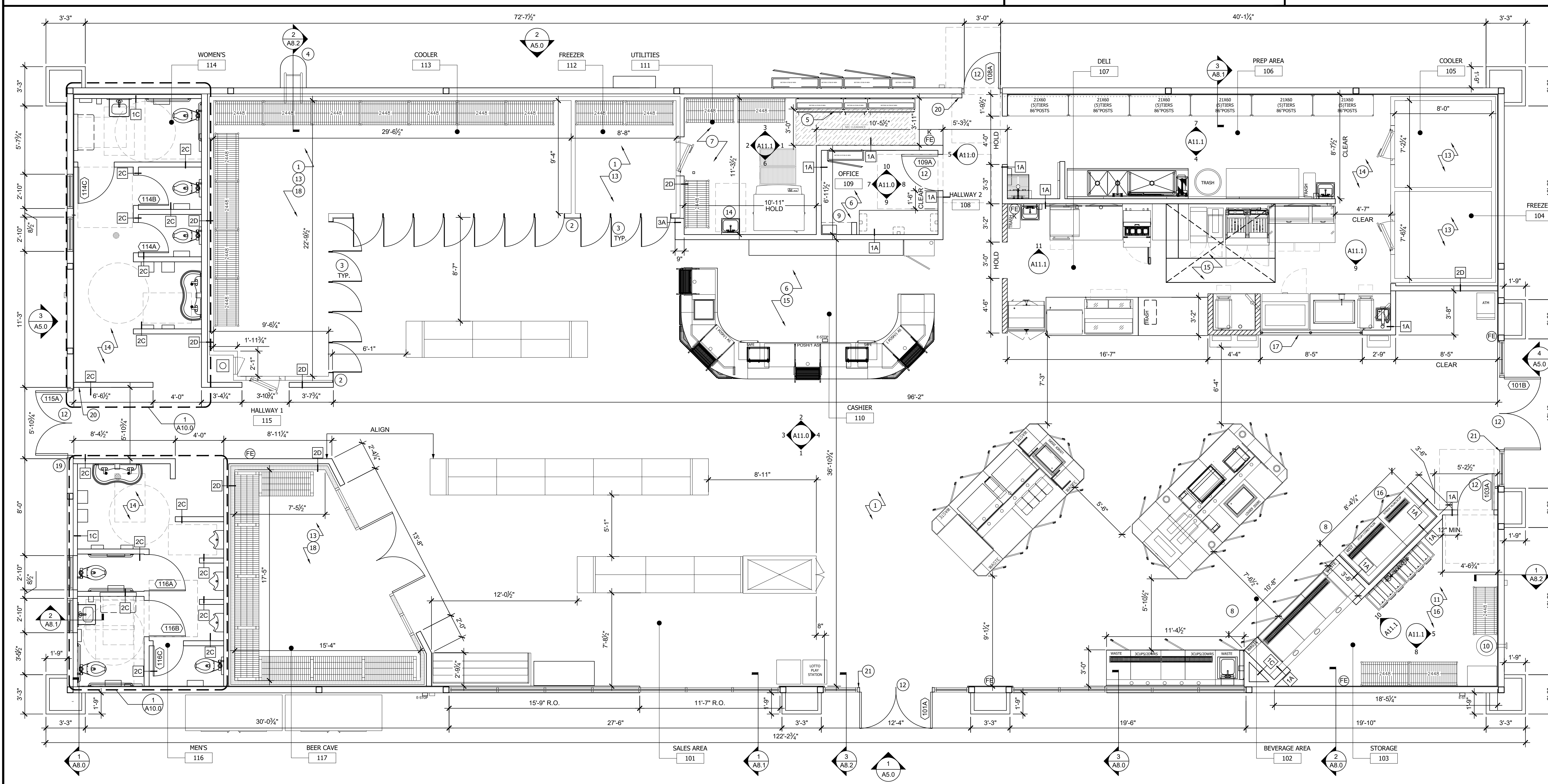
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
FLOOR PLAN

Project No. 170-84.00	Sheet A2.0
Date AS NOTED	
Scale AS NOTED	



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

EXTERIOR FINISH SCHEDULE

EXTERIOR BUILDING SPECIFICATIONS

- ① CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS.
 - ② STUCCO SYSTEM W/ 1" EPS BOARD OVER 5/8" DENSGLASS FIBERGLASS MAT GYPSUM SHEATHING W/ CONTINUOUS WEATHER RESISTIVE BARRIER OVER 1/8 GA 6" METAL STUDS @ 16" O.C. COLOR TO BE SHERWIN WILLIAMS SW6112 BISCUIT. (START REINFORCING MESH AT 0'-0" TO 10'-0").
 - ③ PREFABRICATED CEFCO TOWER FW-2805 #28 BY JIMCO. GENERAL CONTRACTOR TO PROVIDE AND COORDINATE INSTALLATION.
 - ④ METAL PANEL 26 GAUGE R-PANEL. PAINT SHERWIN WILLIAMS SW6112 BISCUIT.
- MANSARD ROOF SPECIFICATIONS**
- ⑤ 36" / 56" FASCIA SYSTEM RED ACM FP-1
7" FASCIA SYSTEM YELLOW ACM FP-2.
- DOORS AND FRAMES**
- ⑥ PAINT TO MATCH BUILDING, SHERWIN WILLIAMS SW6112 BISCUIT.

FLASHING SPECIFICATIONS

- ⑦ DURO-LAST VINYL COATED METAL COPING, COLOR SW6112 BISCUIT. FROM DURO-LAST INC. 800-248-0280.
- ⑧ COLLECTOR BOXES AND DOWNSPOUTS - BOTTOM 42" PAINT SW6115 TOTALLY TAN. TO MEET OR EXCEED ALL LOCAL, STATE AND FEDERAL CODES.
- ⑨ COLLECTOR BOXES AND DOWNSPOUTS - ABOVE 42". PAINT SW6112 BISCUIT. TO MEET OR EXCEED ALL LOCAL, STATE AND FEDERAL CODES.

STOREFRONT SYSTEM SPECIFICATIONS

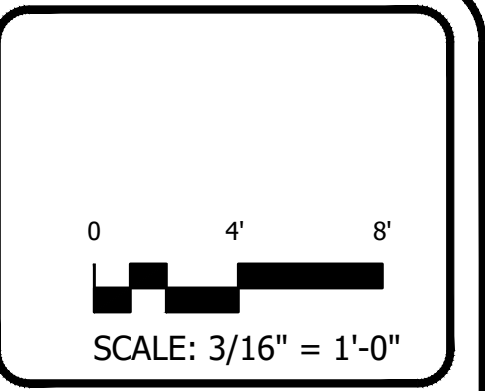
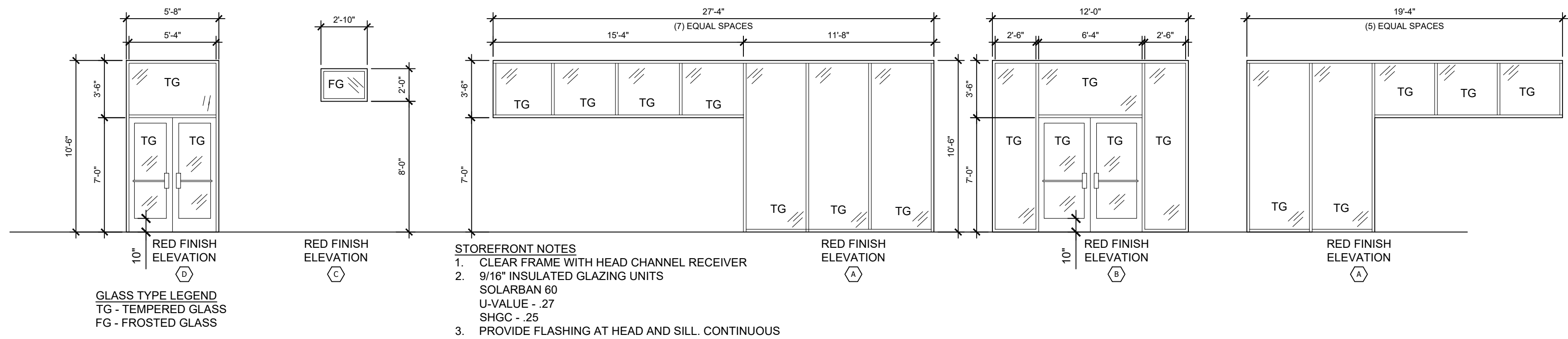
- ⑩ ALUMINUM STOREFRONT FRAMING SYSTEM SIMILAR TO KAWNEER 'FA-SET S.S.G.' WITH CLEAR GLAZING. 1" INSULATED GLAZING UNITS W/ LOW-E COATING. FRAME COLOR: PG UC138643XL DURANAR XL RED.

BUILDING SIGNAGE

- ⑪ INTERNALLY ILLUMINATED CAN SIGN WITH CEFCO LOGO.
- ⑫ ACCESS LADDER SW6112 BISCUIT.
- ⑬ PRE-FAB AWNING COLOR TO BE CHOSEN BY OWNER.
- ⑭ CORNICE TRIM COLOR TO BE CHOSEN BY OWNER.
- ⑮ SIGNAGE PROVIDED BY OTHERS.
- ⑯ ADDRESS NUMBERS IN COMPLIANCE WITH NFPA 1, 2018 EDITION WILL BE PROVIDED BY OWNER, LOCATED ABOVE ENTRY DOORS.

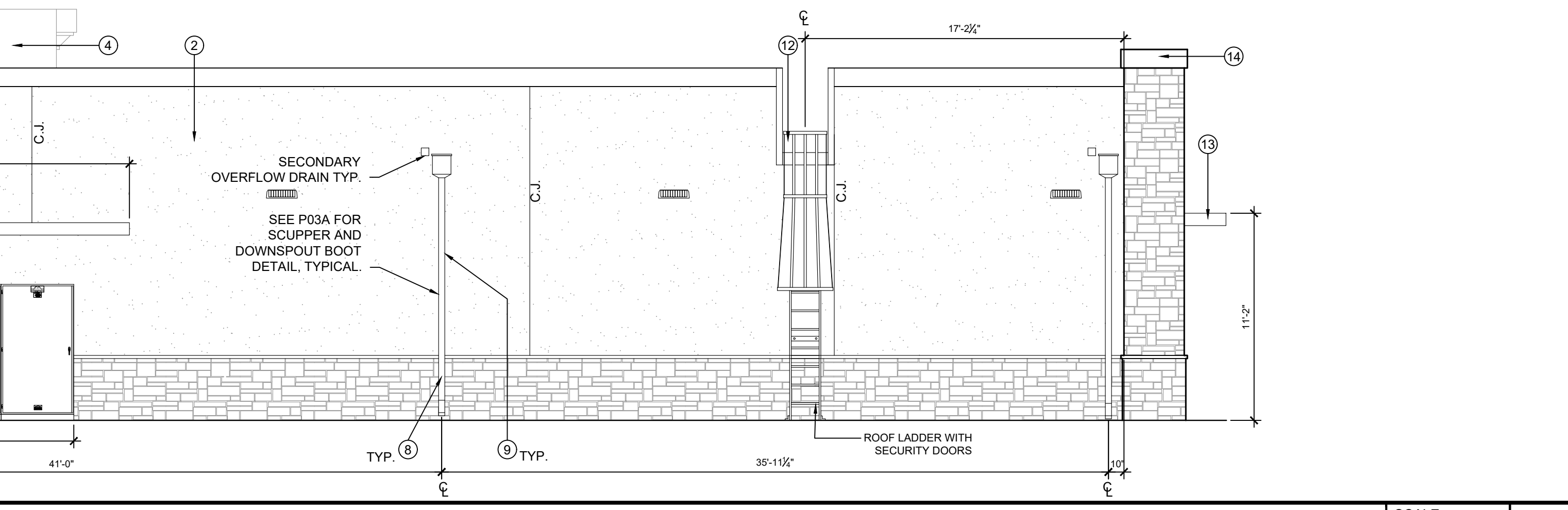
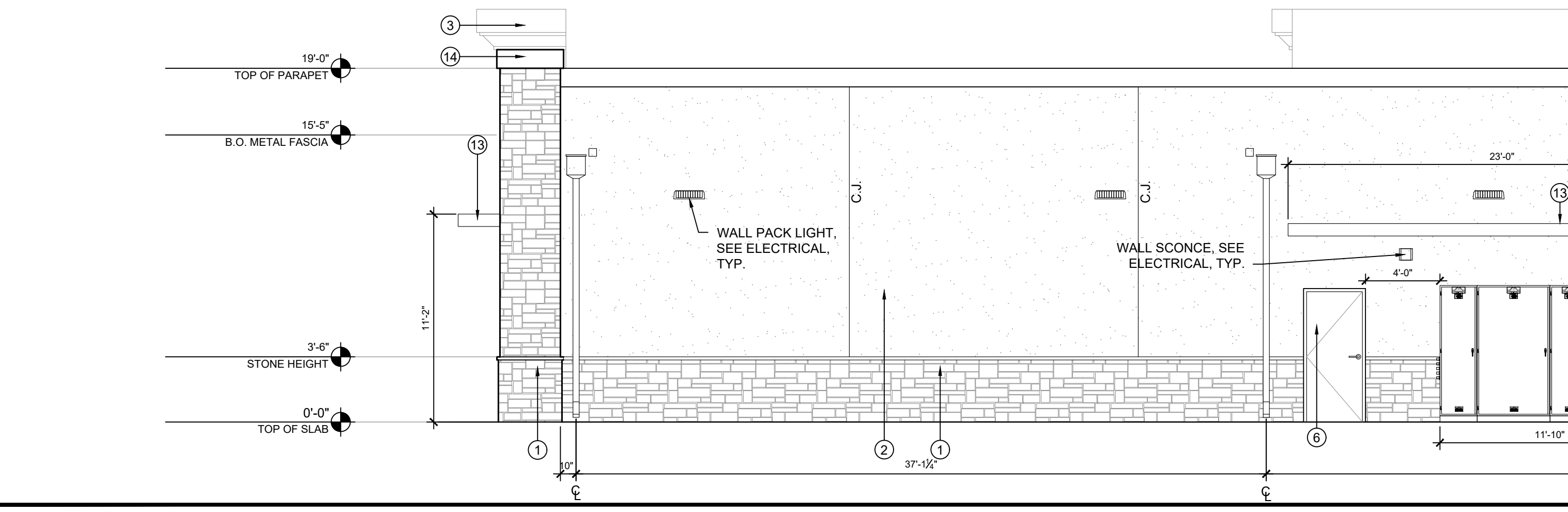
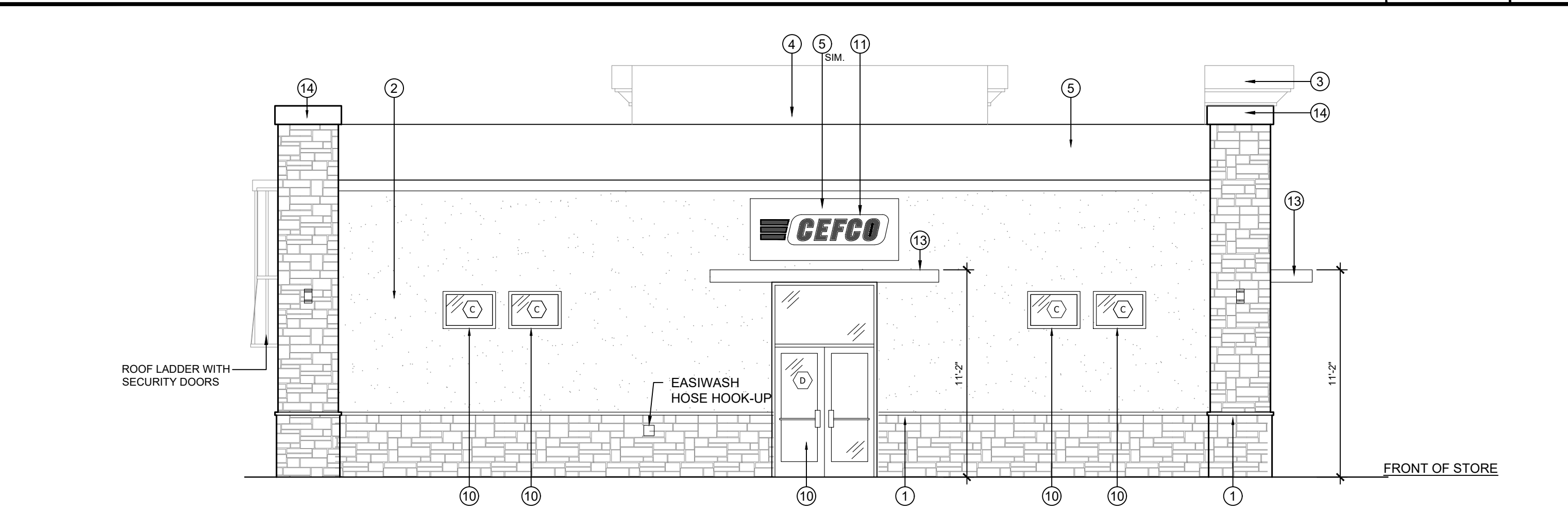
GENERAL NOTES

- 1. GENERAL CONTRACTOR TO VERIFY ALL FINISHES WITH OWNER PRIOR TO CONSTRUCTION
- 2. PRODUCT SUPPLIER TO SUBMIT COLOR / MATERIAL SAMPLES OF ALL MATERIALS TO OWNER



No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

INFINITY
 INFINITY ENGINEERING GROUP, LLC
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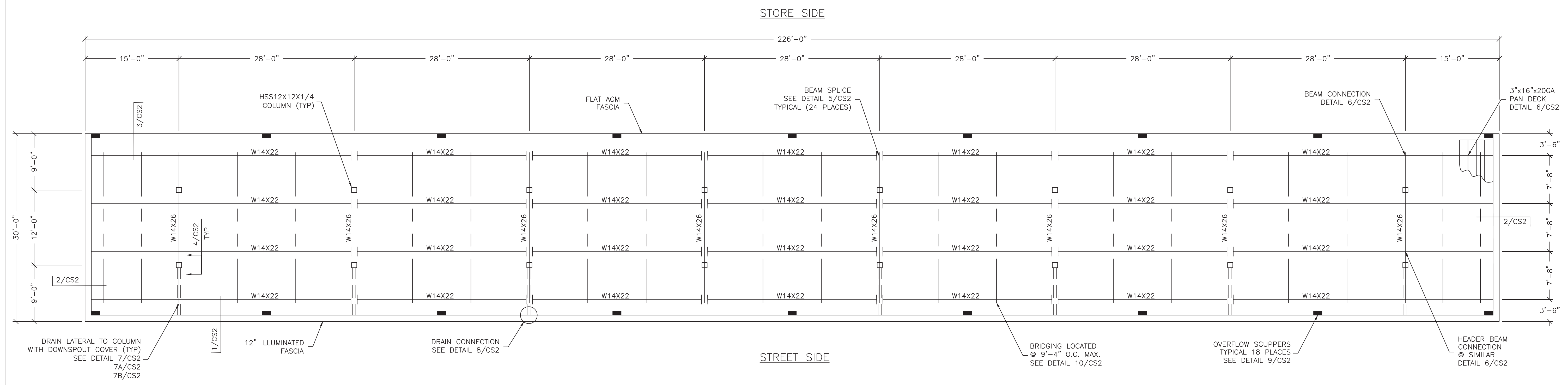
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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE FL 32571

Sheet Title
EXTERIOR ELEVATIONS

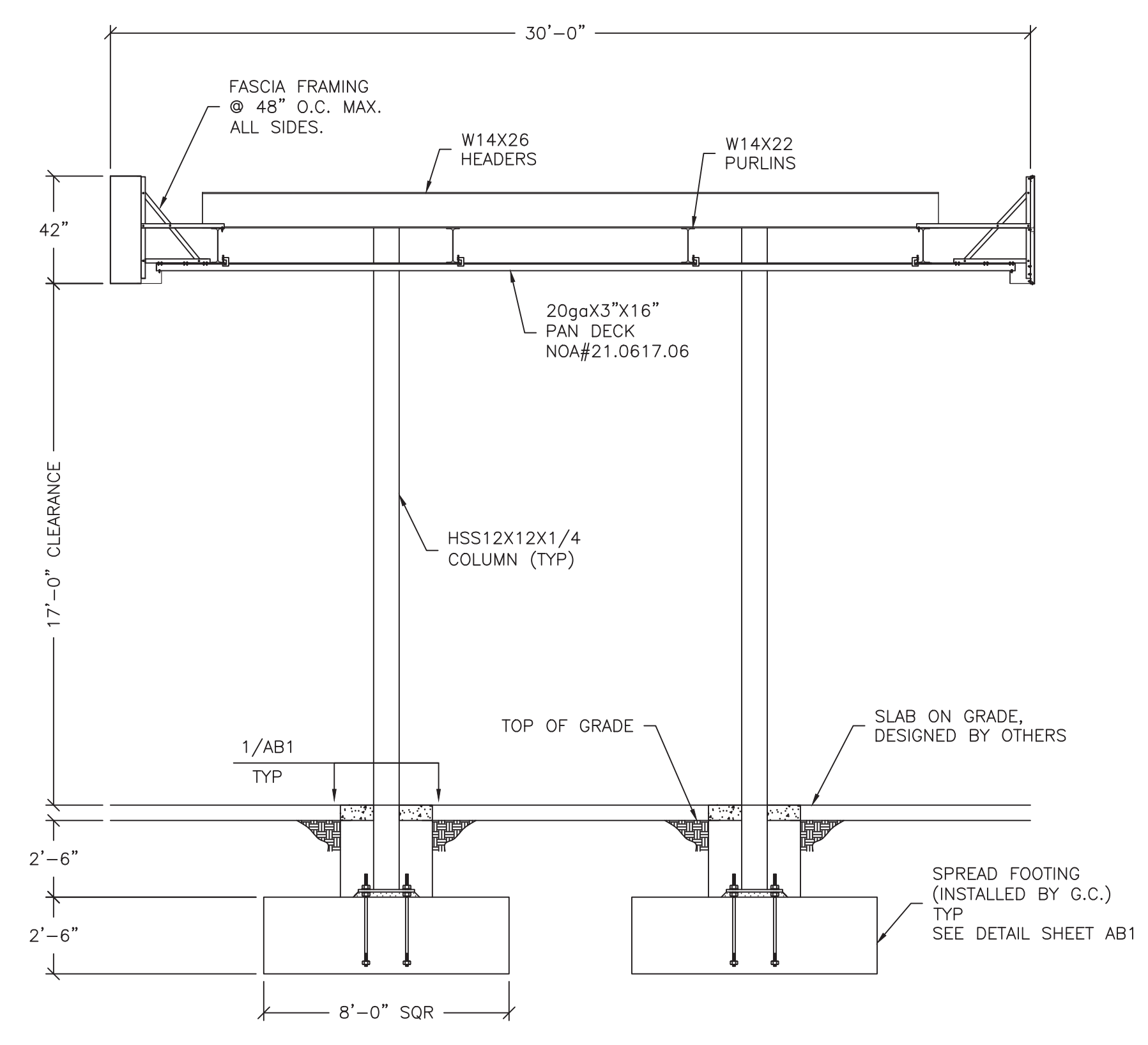
Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

Sheet
A7.0



SPECIAL NOTE: ALL STEEL TO BE HOT DIPPED GALVANIZED.

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



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

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CANOPY NOTES

GENERAL NOTES:
 A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE.
 B. OBSERVATION VISITS TO THE SITE BY THE DESIGN ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
 C. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN LIMITS OF DESIGN LOADS.
 D. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.

1. BUILDING CODE: 2020 FLORIDA BUILDING CODE / 2018 INTERNATIONAL BUILDING CODE
 2. USE GROUP: M, CONSTRUCTION TYPE - IIB
 3. DESIGN LOADS:
 A. ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
 B. CANOPY DEAD LOAD: 10.60 PSF
 C. GROUND SNOW LOAD P_g: 0 PSF
 FLAT ROOF SNOW LOAD P_f: 0 PSF
 RAIN ON SNOW SURCHARGE: 0 PSF IF P_g>20
 EXPOSURE FACTOR C_e: 1.0
 IMPORTANCE FACTOR I_s: 1.0
 THERMAL FACTOR C_t: 1.2
 D. BASIC WIND SPEED: V=150 MPH, V_{sd}=116 MPH
 BUILDING RISK CATEGORY: II
 EXPOSURE: C
 COMPONENT & CLADDING: ASCE 7-16 CHAPTER 30
 ROOF DESIGN PRESSURES (PSF) C&C FIGURE 30.8-1

ZONE 3	ZONE 2	ZONE 1
67	-63	44
-63	67	-41

E. EARTHQUAKE DESIGN:
 IMPORTANCE FACTOR: 1.0
 S_s=0.083g
 S₁=0.056g
 SITE CLASS: D
 SEISMIC DESIGN CATEGORY: B
 SEISMIC FORCE RESISTING SYSTEM: G.2 STEEL ORDINARY CANTILEVERED COLUMN SYSTEM
 DESIGN BASE SHEAR: 5.09k
 SEISMIC RESPONSE COEFFICIENT: C_s = 0.07
 RESPONSE MODIFICATION FACTOR: R=1.25
 SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

4. FOUNDATION DESIGN:
 ALLOWABLE BEARING PRESSURE: 1500 PSF
 PER GEOTECHNICAL REPORT BY: NOVA ENGINEERING AND ENVIRONMENTAL, DATED: 15 JULY 2022 (PROJECT NO. 10116-2022107).
 LATERAL EARTH PRESSURE: 100 PSF/FT
 * SITE SOILS SHALL BE PREPARED FOR THE FOUNDATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED ABOVE.

5. CONCRETE AND REINFORCEMENT:
 A. CONCRETE FOOTINGS (EXPOSURE CLASSES FO, SO, WO, CO) TYPE II CEMENT COMPRESSION STRENGTH OF f_c = 3000 p.s.i.
 B. SLAB ON GRADE (BY OTHERS)
 C. CONCRETE DESIGNED USING f_c = 2500 p.s.i. OR ABOVE SHALL HAVE SPECIAL INSPECTIONS PERFORMED, UNLESS ISOLATED SPREAD FOOTINGS ARE UTILIZED. SEE SPECIAL INSPECTIONS FOR THE CANOPY CONCRETE NOTE.
 D. REBAR: ASTM A615 GRADE 60
 E. STIRRUPS AND TIES SHALL HAVE MINIMUM 4" HOOKS.
 F. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:
 CONCRETE EXPOSED TO GROUND: 3"
 FORMED CONCRETE EXPOSED TO GROUND: 2"
 FORMED CONCRETE NOT EXPOSED TO GROUND: 1 1/2"
 G. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT COMPLYING WITH ASTM C1107, f_c=5000p.s.i. AND INSTALLED PER MANUFACTURERS' RECOMMENDATIONS.
 H. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING TOP OF FOOTING ELEVATIONS AS REQUIRED FOR UNDERGROUND PLUMBING AND ELECTRICAL.

6. STRUCTURAL STEEL:
 A. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATION FOR STEEL BEAMS AND CONNECTIONS" 15TH EDITION.
 B. AISC "CODE OF STANDARD PRACTICES" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, 4.4.2, AND 7.15.
 C. AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS"
 D. STRUCTURAL STEEL GRADES:
 STEEL BEAMS ASTM A992 GRADE 50 F_y = 50,000 psi
 HSS SQUARE & RECTANGLES ASTM500 GRADE C F_y = 50,000 psi
 HSS ROUND COLUMNS: F_y = 46,000 psi
 PIPE ASTM A53 GRADE B F_y = 35,000 psi
 BASE PLATES, CAP PLATES AND CAP PLATE STIFFENERS: F_y = 50,000 psi
 ASTM A572 GRADE 50 F_y = 50,000 psi
 ANGLES ASTM A36 F_y = 36,000 psi
 E. ALL BOLTED CONNECTIONS SHALL BE ASTM A307 BOLTS UNLESS OTHERWISE SPECIFIED (NO SPECIAL INSPECTION REQUIRED).
 F. ALL BOLTED CONNECTIONS SHALL BE "TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RCSC.
 G. METAL PAN DECK SHALL BE 20ga ASTM A653 GRADE 50.

Digitally signed by Patrick Brennan
 Date: 2022.10.17 07:28:44 -0500

SPECIAL INSPECTIONS FOR THE CANOPY

SPECIAL INSPECTIONS FOR THE CANOPY SHALL BE PROVIDED BY THE OWNER PER CHAPTER 17 OF THE IBC.

THE FOLLOWING SYSTEMS ARE SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF THE IBC CHAPTER 17.

A. COLUMNS	D. PURLIN BEAMS
B. COLUMN BASE PLATE	E. BEAMS
C. FOOTINGS UNLESS EXEMPT	

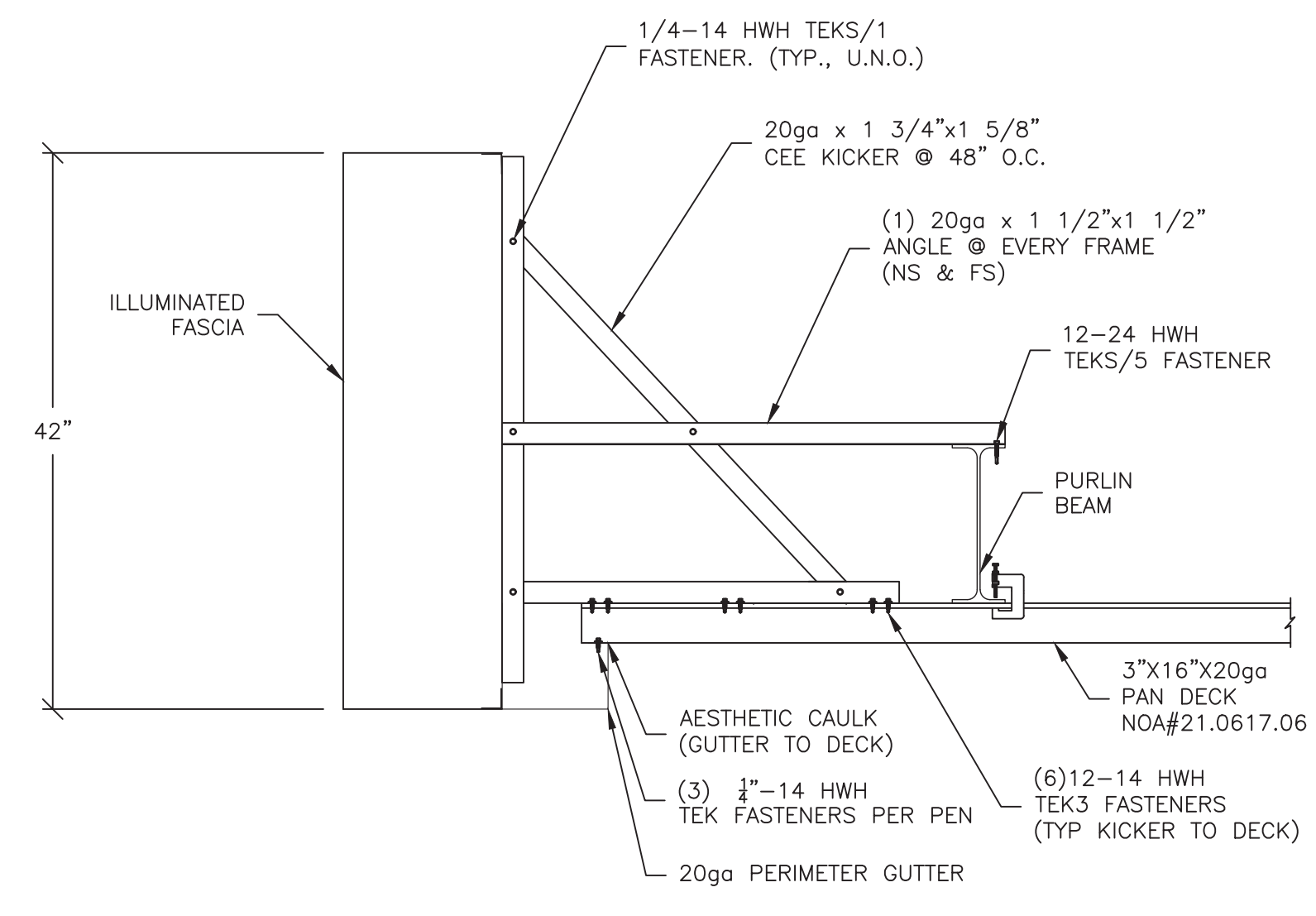
SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK.

- WELDING 1. PRIOR TO WELDING (TABLE N5.4-1, 360-16)
 2. DURING WELDING (TABLE N5.4-2, 360-16)
 3. AFTER WELDING (TABLE N5.4-3, 360-16)
 4. NONDESTRUCTIVE TESTING (SECTION N5, 360-16)
 PER IBC 1705.2, SPECIAL INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED SHOP. JIMCO SALES AND MANUFACTURING IS AN AISC APPROVED FABRICATOR (218031061-10IN1).
- BOLTING - PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16): NOT REQUIRED IF ONLY SNUG TIGHT JOINTS ARE SPECIFIED.
- CONCRETE - PER IBC 1705.3; EXCEPTION 1 - SPECIAL INSPECTION IS NOT REQUIRED FOR ISOLATED SPREAD CONCRETE FOOTINGS FULLY SUPPORTED ON EARTH OR ROCK. *THIS EXCEPTION DOES NOT APPLY IN THE STATE OF NEVADA.*
- ANCHOR BOLTS - PERIODIC SPECIAL INSPECTION OF ANCHORS CAST IN CONCRETE REQUIRED PER IBC TABLE 1705.3, ITEM 3
- STRUCTURAL OBSERVATIONS: NONE REQUIRED

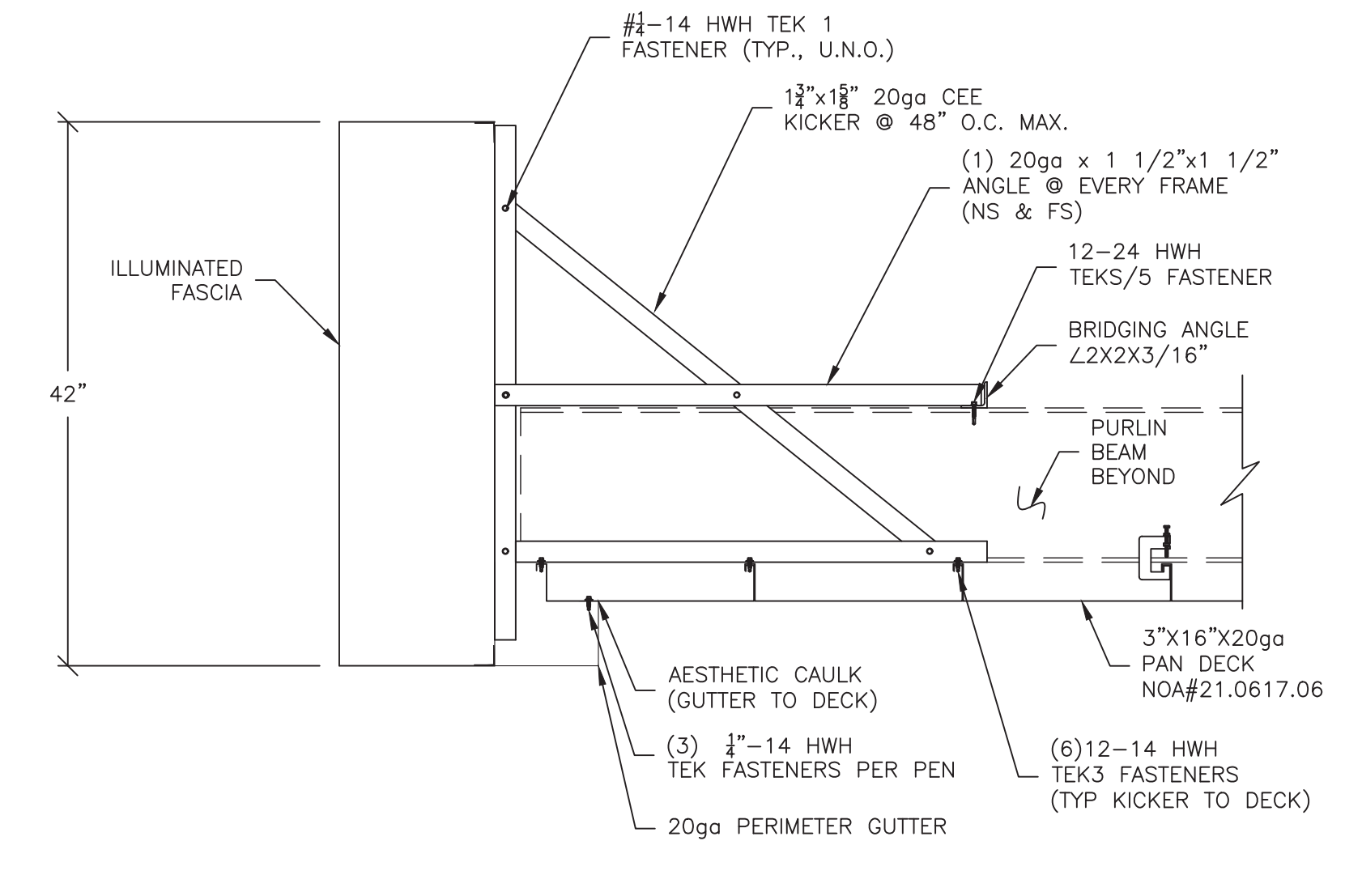
SEISMIC FORCE RESISTING SYSTEM (SFRS)

A. REFER TO AISC 341-16 SECTION A4 AND ASCE 7-16.
 B. DESIGNATION OF SFRS: G.2. STEEL ORDINARY CANTILEVER COLUMN SYSTEMS (ASCE 7-16 TABLE 12.2-1) SEE AISC 341-16 SECTION E5 (OCCS).
 C. R = 1.25, C_s = 0.07
 D. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
 E. MEMBERS AND CONNECTIONS THAT ARE PART OF THE SFRS:
 1. COLUMNS 4. PURLIN BEAMS
 2. COLUMN BASE CONNECTION 5. BEAMS
 3. FOOTINGS
 F. PROTECTED ZONES: N/A
 G. SEE DETAILS AND NOTE FOR CONNECTION CONFIGURATIONS, MATERIALS SPECIFICATIONS AND SIZES.
 H. WELD FILLER MATERIALS FOR WELDS PART OF THE SFRS:
 1. YIELD STRENGTH = 58 KSI MIN
 2. TENSILE STRENGTH = 70 KSI MIN
 3. ELONGATION = 22% MIN
 4. CVN TOUGHNESS = 20 FT-LB MIN @ 0' F
 SEE DETAILS AND NOTES FOR OTHER WELDING REQUIREMENTS
 J. DEMAND CRITICAL WELDS = N/A
 K. LOWEST ANTICIPATED SERVICE TEMPERATURE = 0' F

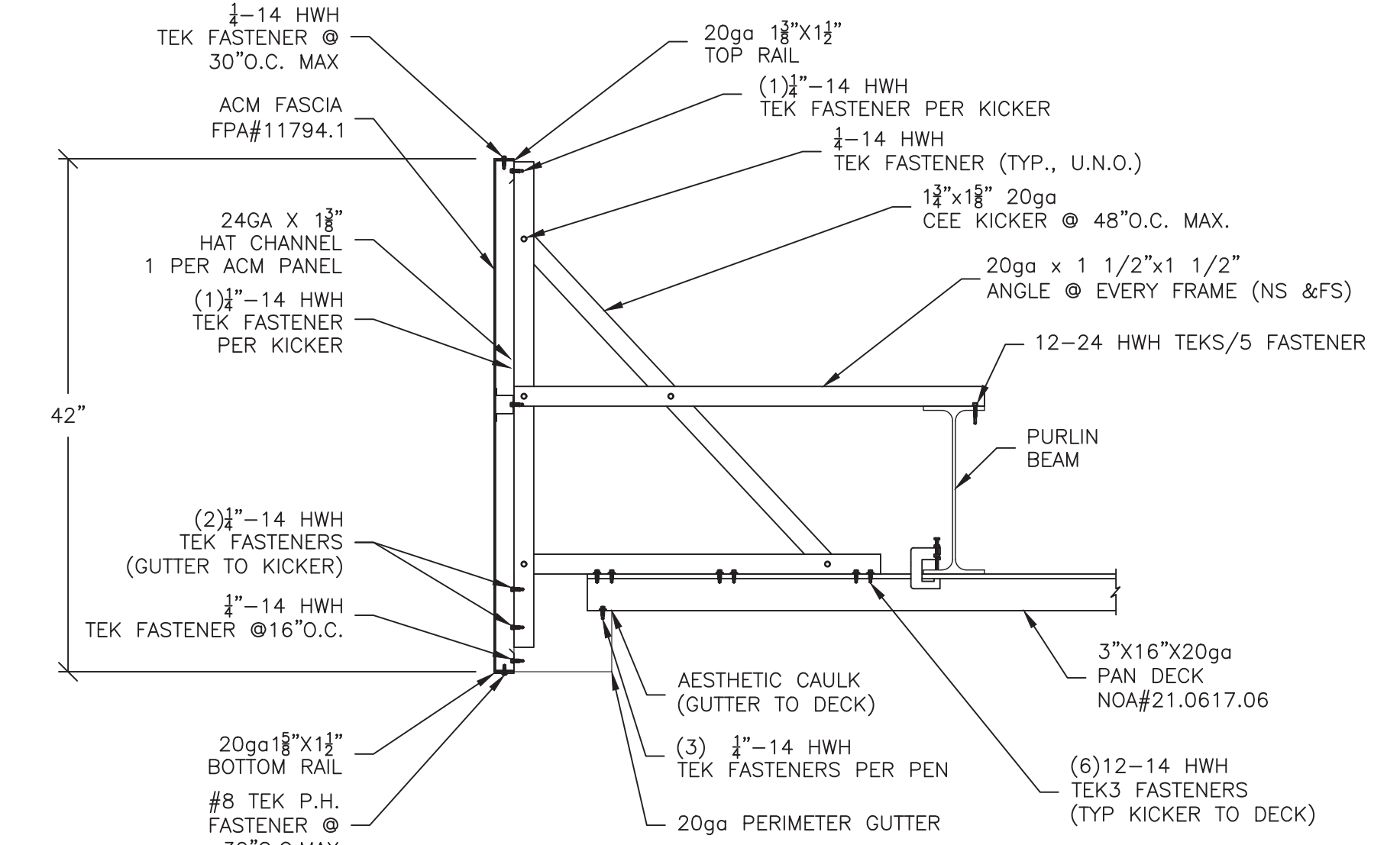
CUSTOMER	FIKES WHOLESALE, INC.	
	NO. DESCRIPTION:	REVISIONS
DRAWN BY:	M. KOVAL	DATE:
CHECKED BY:	P. BRENNAN, PE	DATE:
JOB NO.		22-2960R0
DWG. NO.		CS1
OF 3 SHEETS		



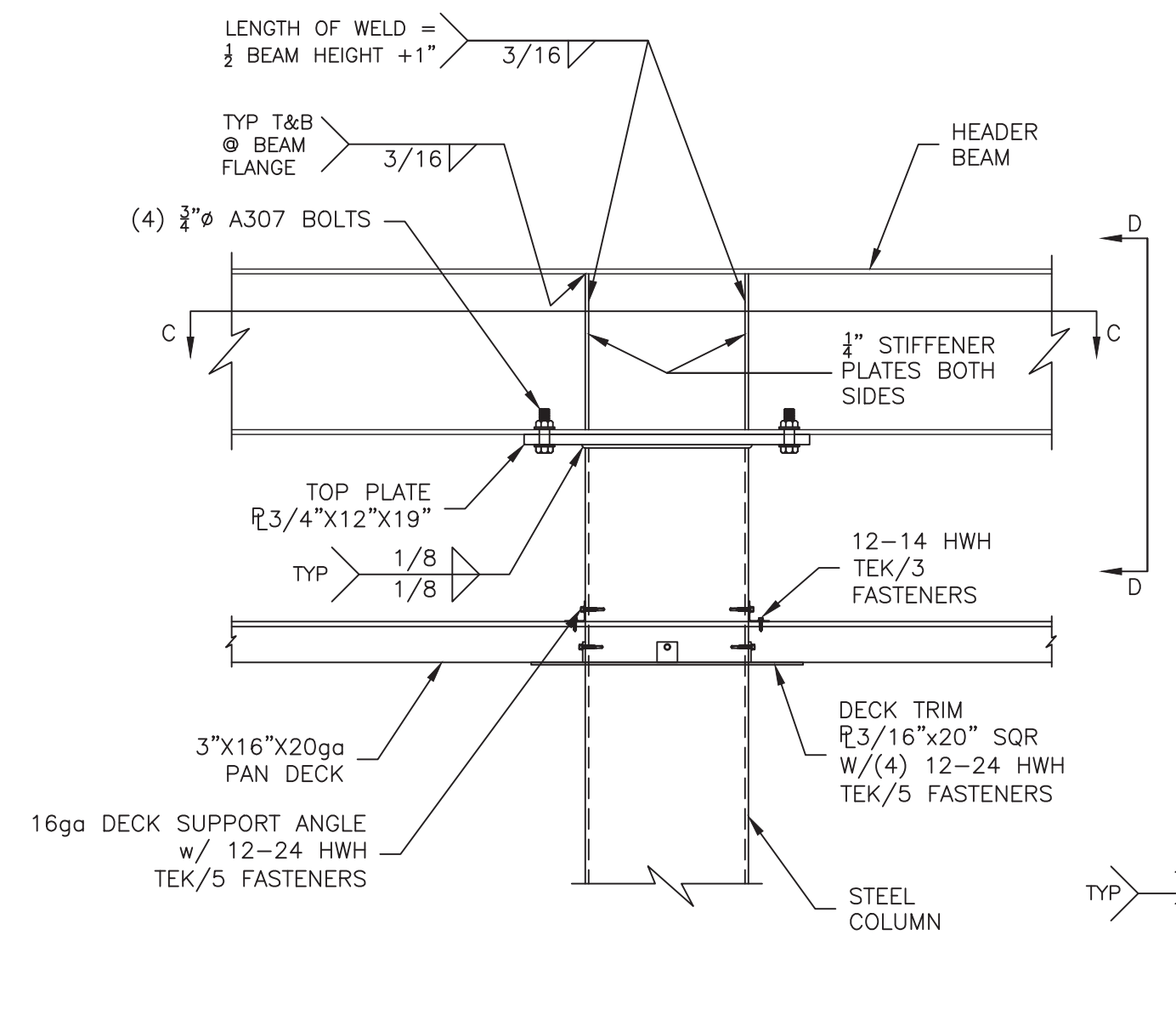
1 SIDE FASCIA DETAIL
SCALE: 1"=1'-0"



2 END FASCIA DETAIL
SCALE: 1"=1'-0"

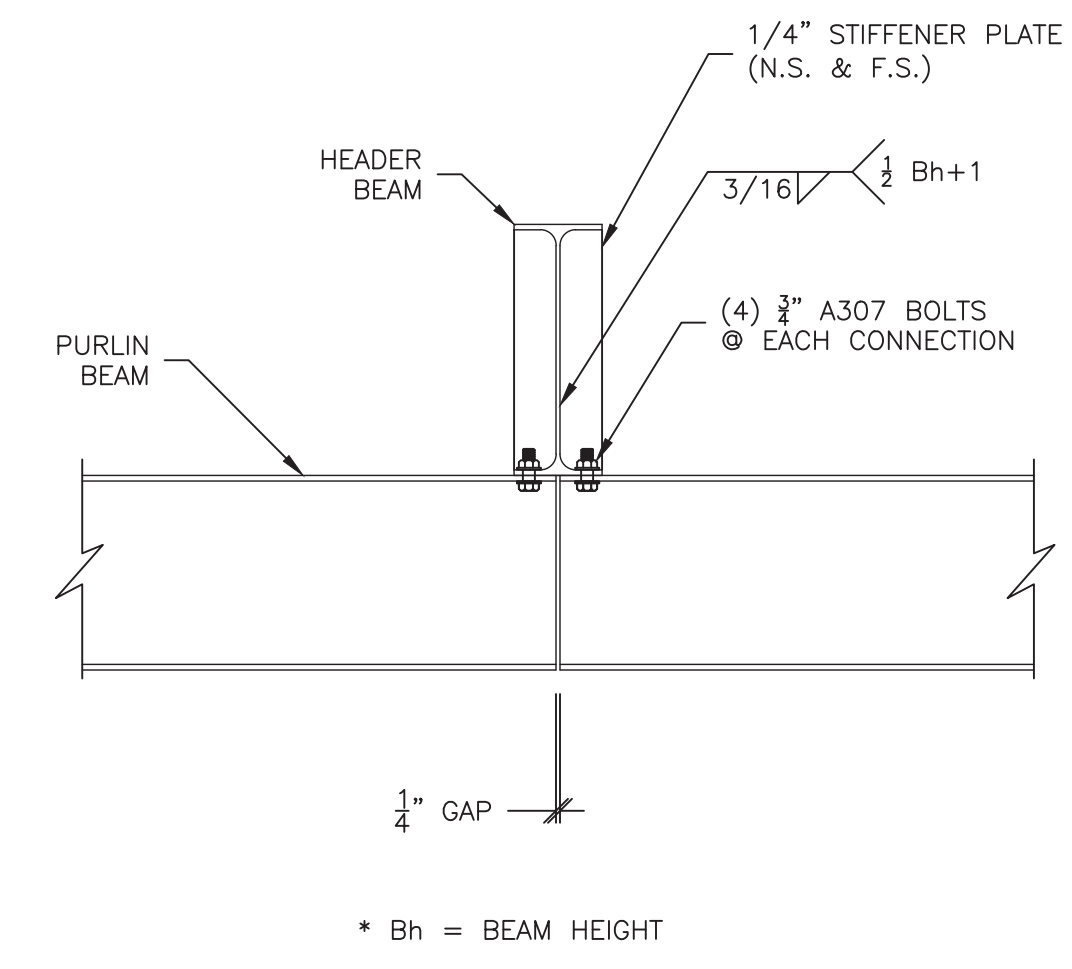


3 SIDE FASCIA DETAIL
SCALE: 1"=1'-0"

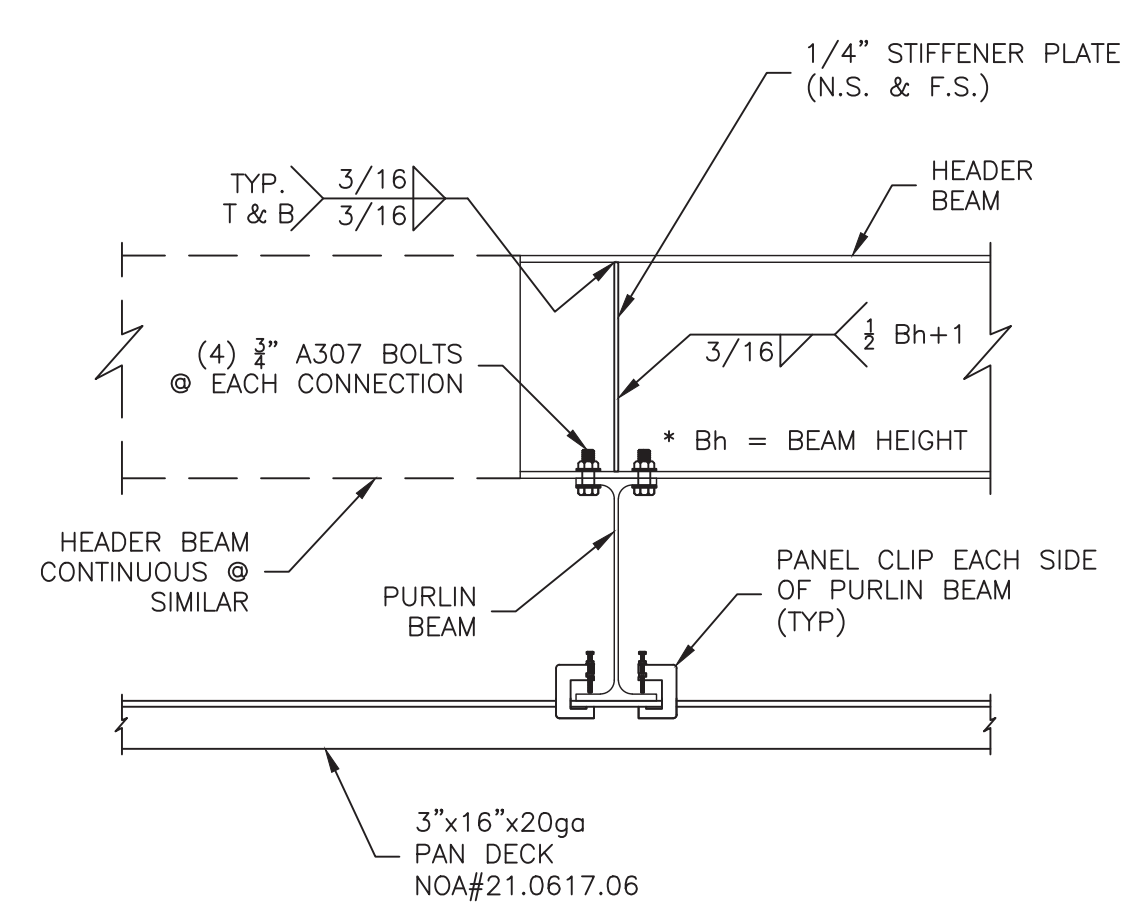


4 COLUMN/BEAM CONNECTION DETAIL
SCALE: 1"=1'-0"

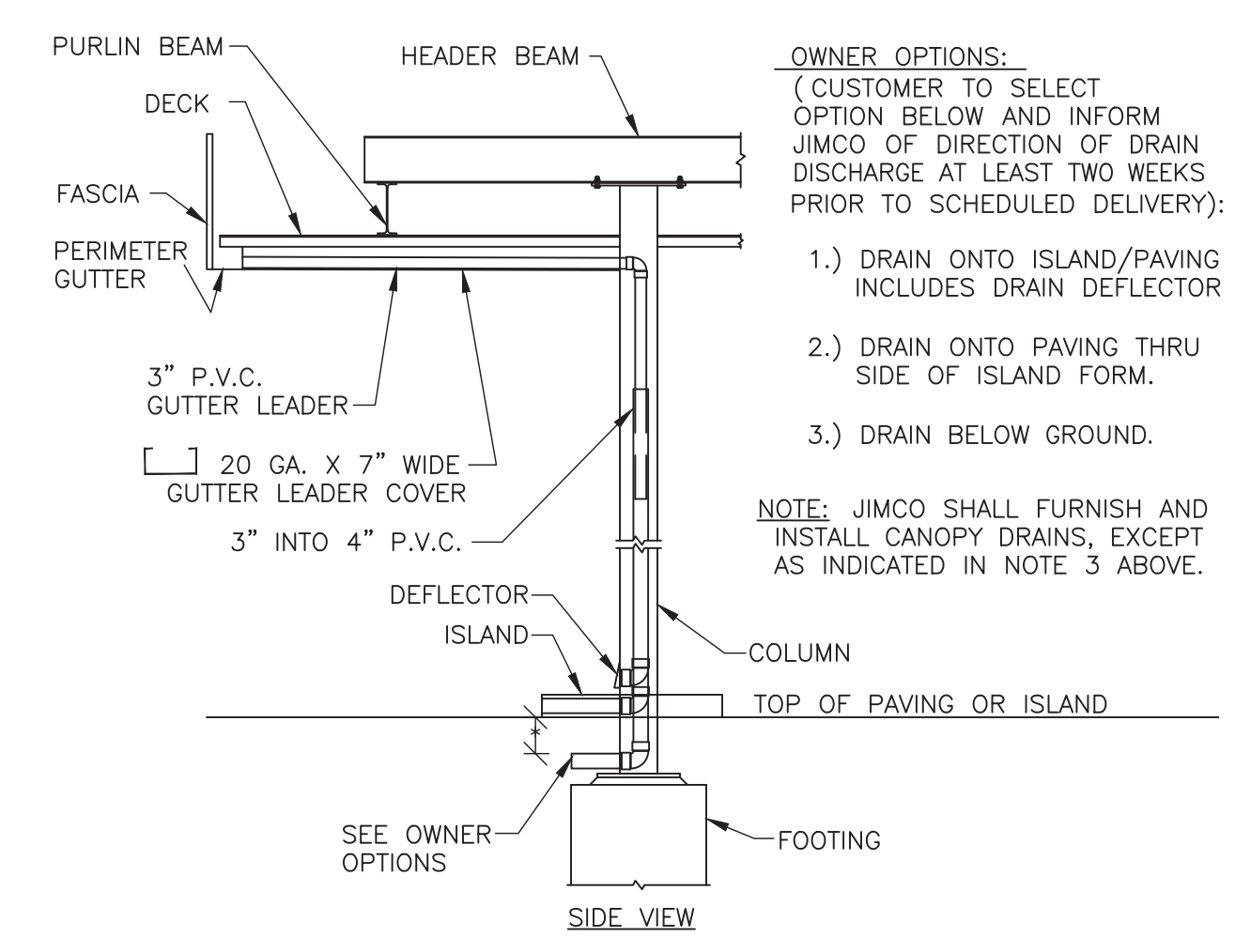
STD HOLE GAGES	
FLANGE WIDTH	HOLE GAGE
4"	2 1/2"
5" - 9"	2 1/2"
6" - 7 1/2"	3"
8" - 16"	3 1/2"



5 BEAM SPLICE DETAIL
SCALE: 1"=1'-0"



6 BEAM CONNECTION DETAIL
SCALE: 1"=1'-0"



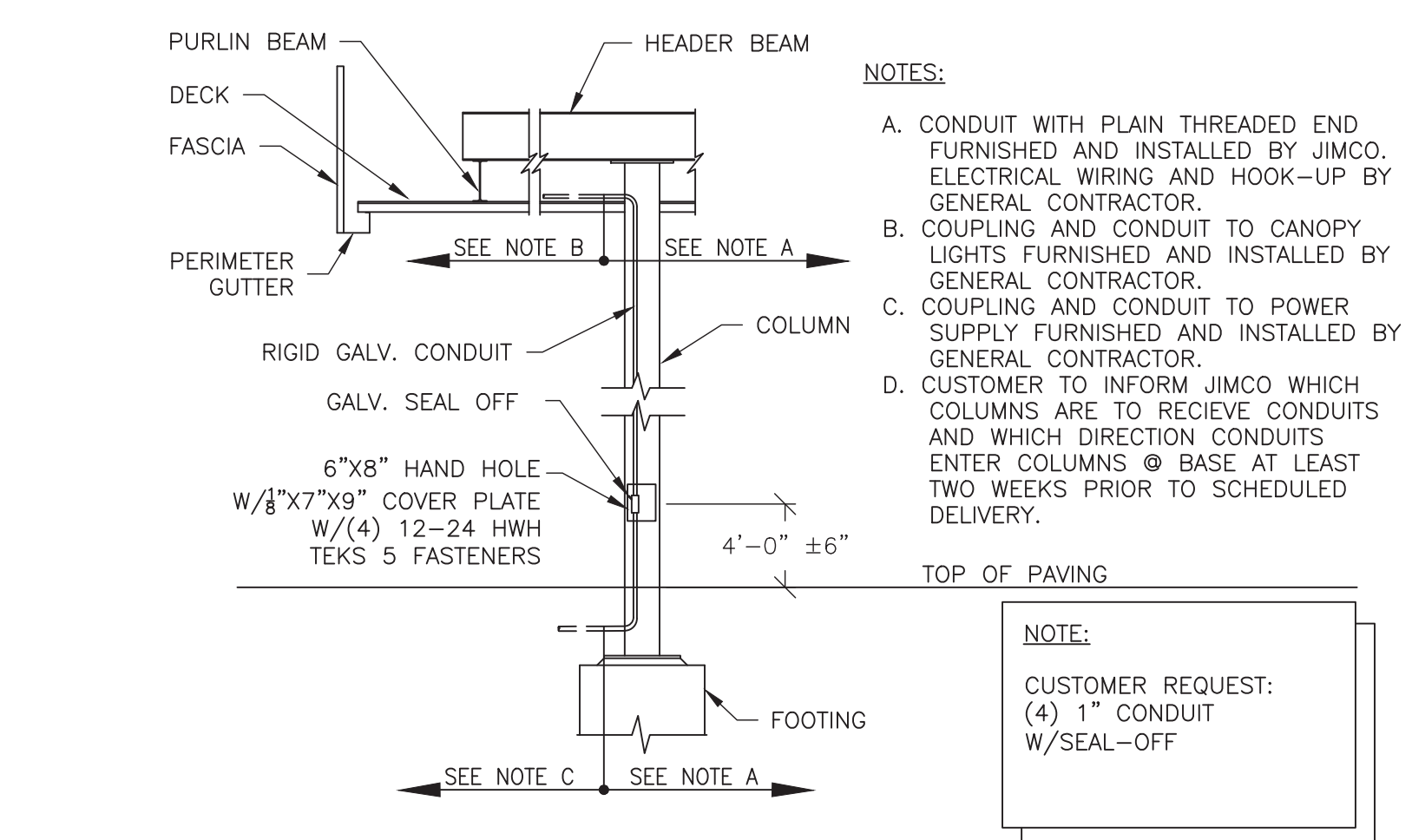
7 COLUMN DRAIN DETAIL
SCALE: 3"=1'-0"

OWNER OPTIONS:
(CUSTOMER TO SELECT OPTION BELOW AND INFORM JIMCO OF DIRECTION OF DRAIN DISCHARGE AT LEAST TWO WEEKS PRIOR TO SCHEDULED DELIVERY):

- 1.) DRAIN ONTO ISLAND/PAVING INCLUDES DRAIN DEFLECTOR
- 2.) DRAIN ONTO PAVING THRU SIDE OF ISLAND FORM.
- 3.) DRAIN BELOW GROUND.

NOTE: JIMCO SHALL FURNISH AND INSTALL CANOPY DRAINS, EXCEPT AS INDICATED IN NOTE 3 ABOVE.

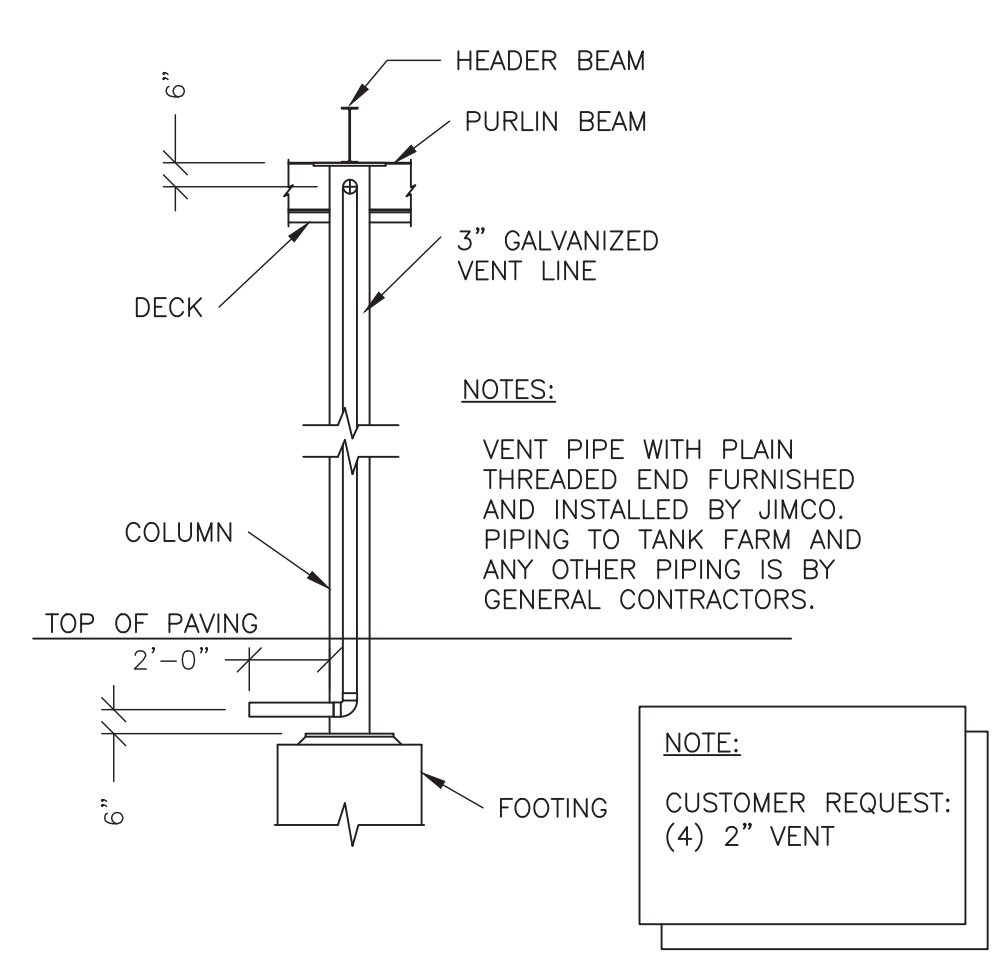
Digitally signed by Patrick Brennan
Date: 2022.10.17 07:28:02 -0500



7A INTERNAL CONDUIT DETAIL
SCALE: 3"=1'-0"

- NOTES:**
- CONDUIT WITH PLAIN THREADED END FURNISHED AND INSTALLED BY JIMCO. ELECTRICAL WIRING AND HOOK-UP BY GENERAL CONTRACTOR.
 - COUPLING AND CONDUIT TO CANOPY LIGHTS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
 - COUPLING AND CONDUIT TO POWER SUPPLY FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
 - CUSTOMER TO INFORM JIMCO WHICH COLUMNS ARE TO RECEIVE CONDUITS AND WHICH DIRECTION CONDUITS ENTER COLUMNS @ BASE AT LEAST TWO WEEKS PRIOR TO SCHEDULED DELIVERY.

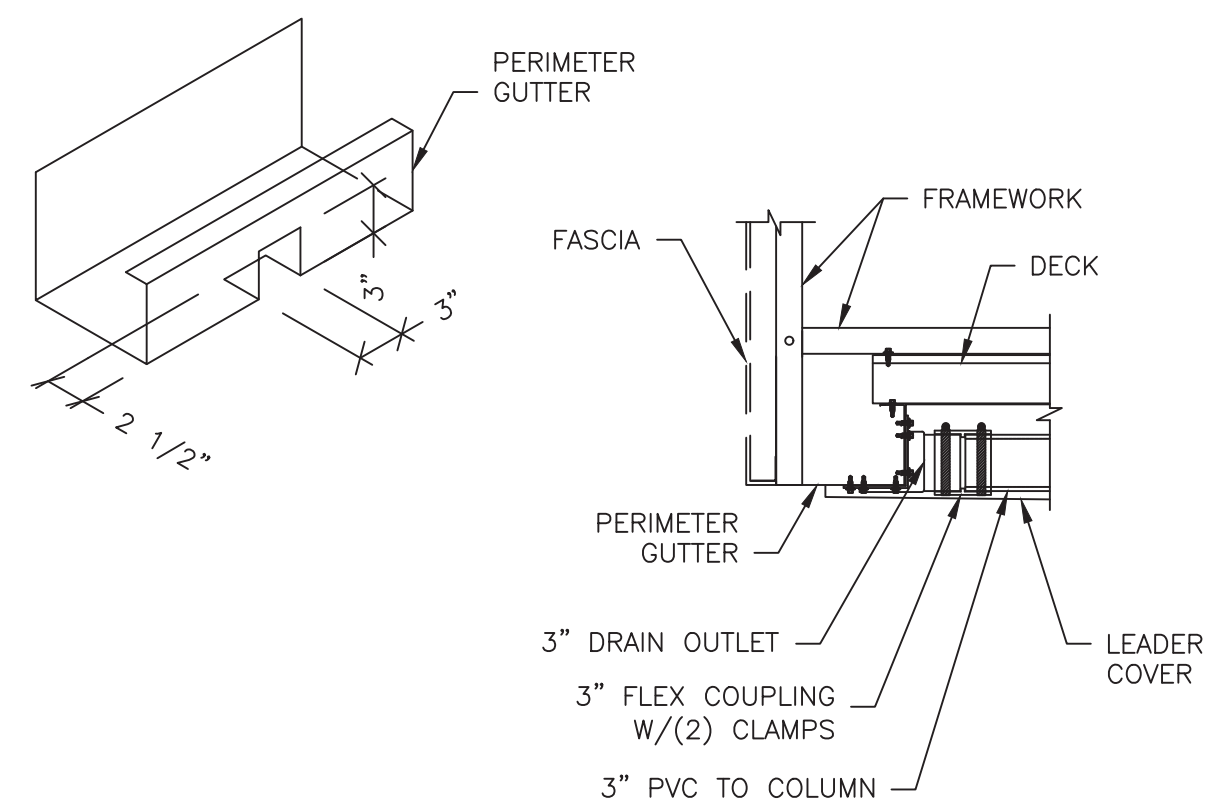
NOTE:
CUSTOMER REQUEST:
(4) 1" CONDUIT
W/SEAL-OFF



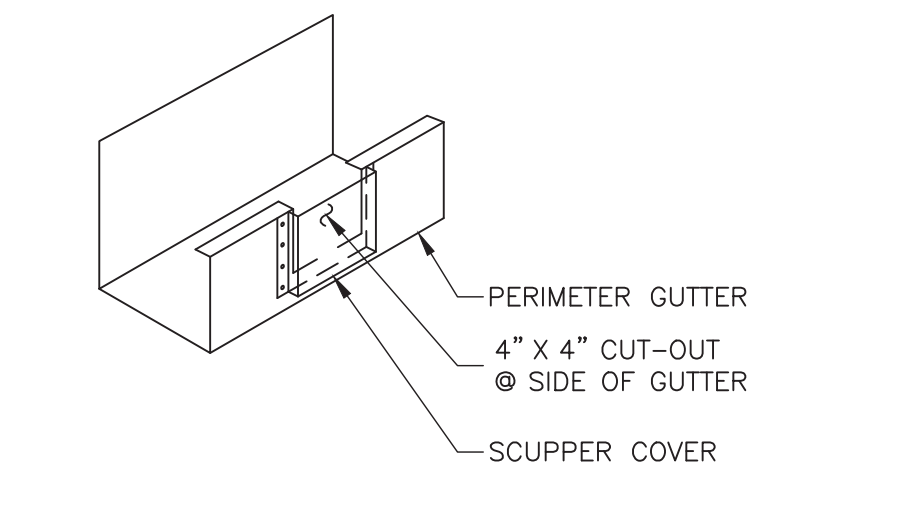
7B INTERNAL PIPE VENT DETAIL
SCALE: 3"=1'-0"

- NOTES:**
- VENT PIPE WITH PLAIN THREADED END FURNISHED AND INSTALLED BY JIMCO. PIPING TO TANK FARM AND ANY OTHER PIPING IS BY GENERAL CONTRACTORS.

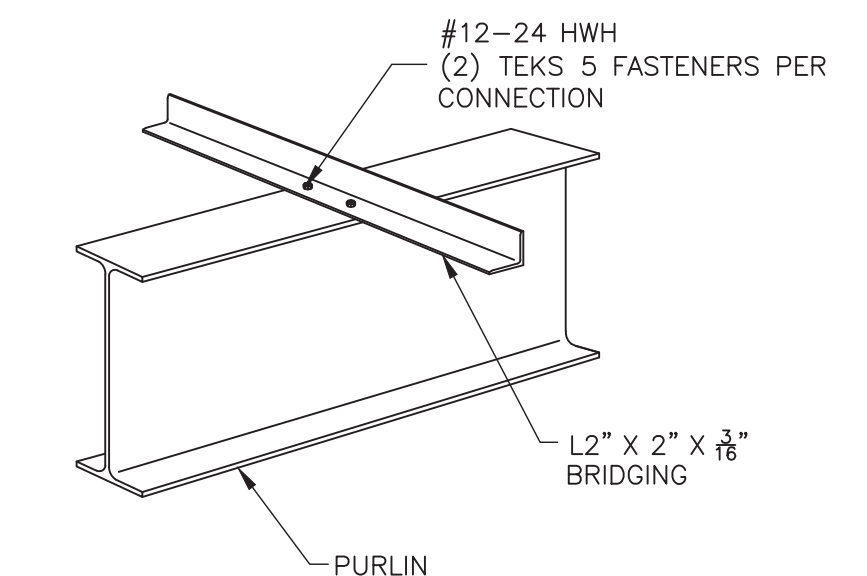
NOTE:
CUSTOMER REQUEST:
(4) 2" VENT



8 DRAIN CONNECTION DETAIL
SCALE: 1"=1'-0"



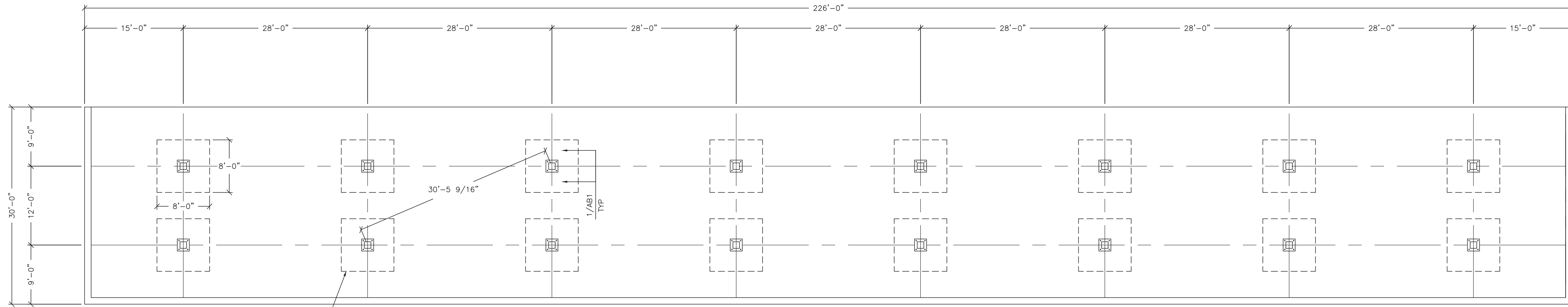
9 OVERFLOW SCUPPER DETAIL
SCALE: 1"=1'-0"



10 PURLIN BRIDGING DETAIL
SCALE: 1"=1'-0"

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DRAWING DESCRIPTION	CANOPY STRUCTURAL SECTIONS AND DETAILS
JOB LOCATION	CEFCO #426 - AUTO CANOPY 90 & W. SPENCER FIELD PACE, FL
CUSTOMER	FIKES WHOLESALE, INC.
NO. DESCRIPTION	REVISIONS
DATE	DATE
BY	BY
M. KOVAL DRAWN BY:	P. BRENNAN, PE CHECKED BY:
10-12-2022 DATE:	10-12-2022 DATE:
JOB NO.	22-2960R0
DWG. NO.	CS2
OF 3 SHEETS	

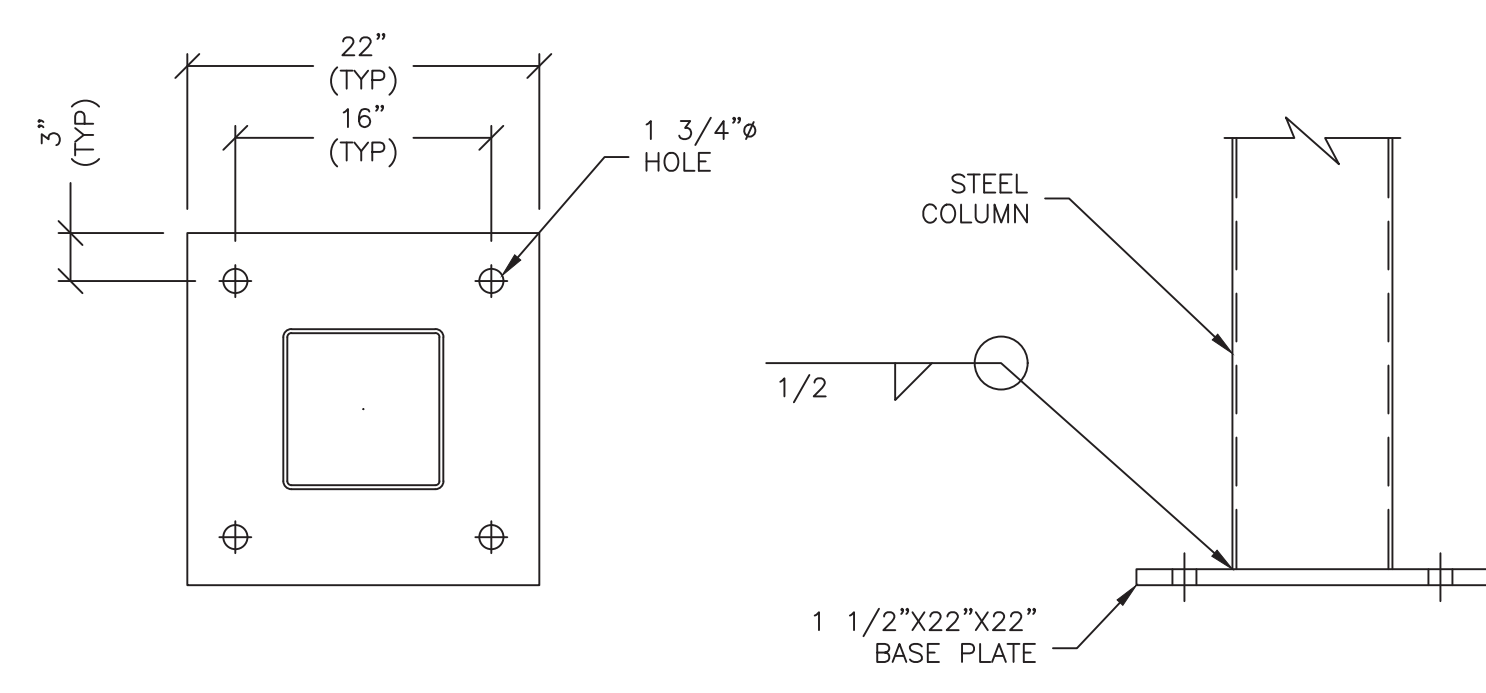


SPREAD FOOTING (TYP)
SEE DETAIL THIS SHEET

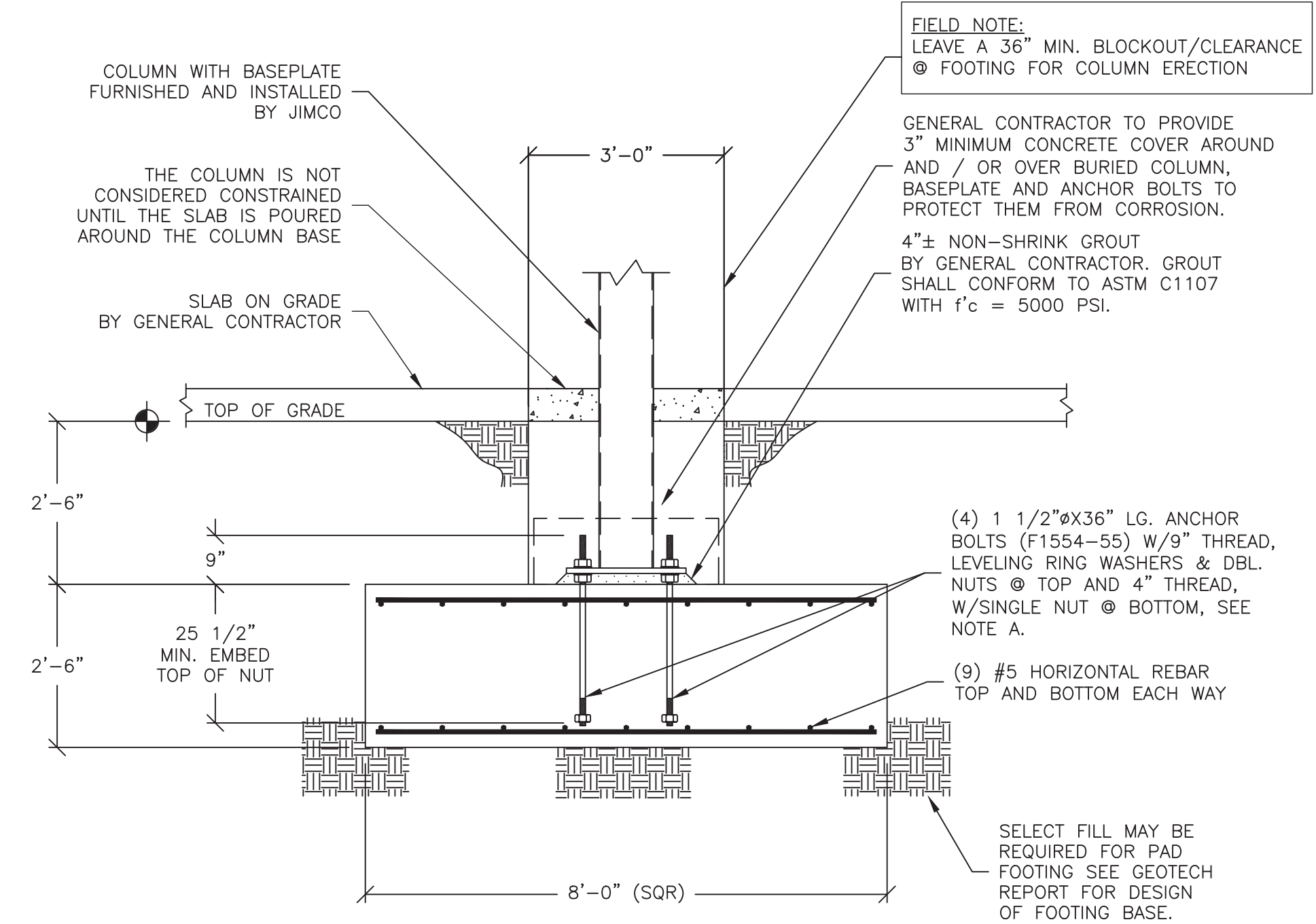
FOUNDATION PLAN
SCALE: 1/8"=1'-0"

NOTE:
A) FOOTINGS INCLUDING CONCRETE, REBAR, FORMWORK AND ASSOCIATED EARTHWORK SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR EXCEPT ANCHOR BOLTS SHALL BE FURNISHED BY JIMCO AND INSTALLED BY GENERAL CONTRACTOR.
B) SEE FOUNDATION, CONCRETE NOTES ON DWG CS1.

Digitally signed by Patrick Brennan
Date: 2022.10.17 07:27:02 -0500



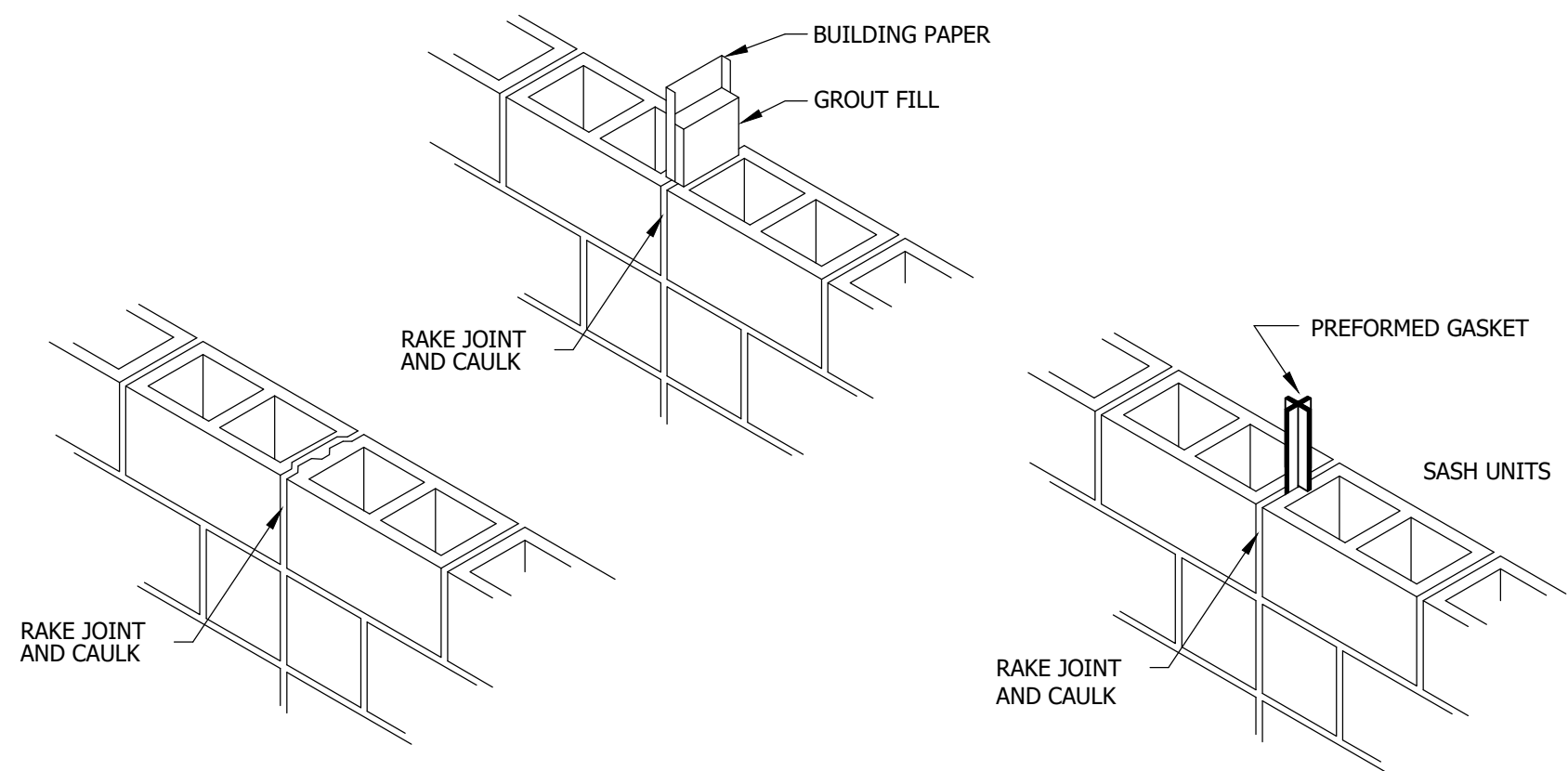
1 BASE PLATE DETAIL
SCALE: 1"=1'-0"



SPREAD FOOTING DETAIL
SCALE: 1/2"=1'-0"

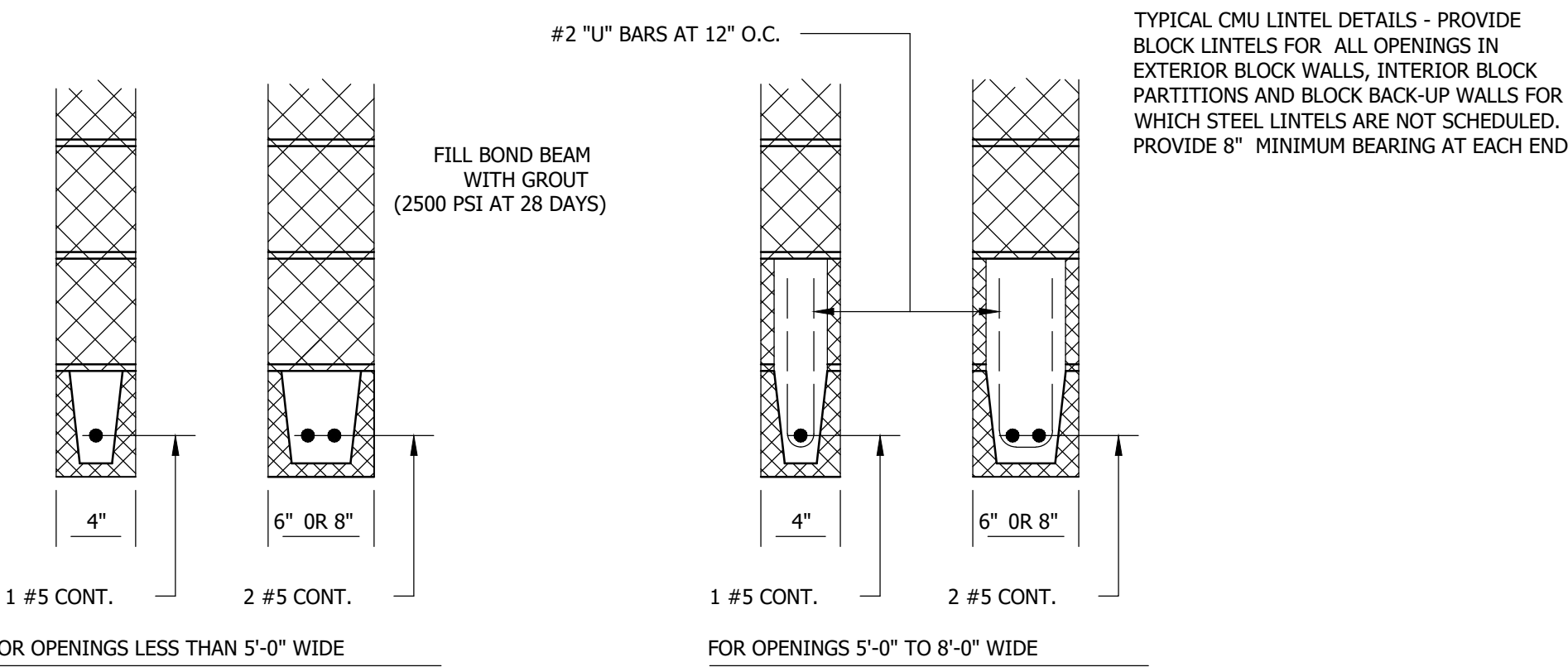
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DRAWING DESCRIPTION		CANOPY FOUNDATION SECTIONS AND DETAILS	
JOB LOCATION		CEFCO #426 - AUTO CANOPY 90 & W. SPENCER FIELD PACE, FL	
CUSTOMER		FIKES WHOLESAL, INC.	
NO. DESCRIPTION		REVISIONS	
DATE	BY	DATE	BY
10-12-2022	P. BRENNAN, PE		
CHECKED BY:	M. KOVAL	DATE:	
JOB NO.		22-2960R0	
DWG. NO.		AB1	
OF 3 SHEETS			



CMU CONTROL JOINT OPTIONS

SCALE	6
N.T.S.	



TYPICAL CMU LINTEL DETAILS

SCALE	5
N.T.S.	

FINISH SCHEDULE

- FF-1 CONCRETE FLOOR
- WF-1 INTERIOR FINISH - CMU BLOCK WALL TO BE PAINTED SHERWIN WILLIAM 6364: EGGWHITE
- WF-2 CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS
- PT-1 SHERWIN WILLIAM 6115 (TOTALLY TAN)

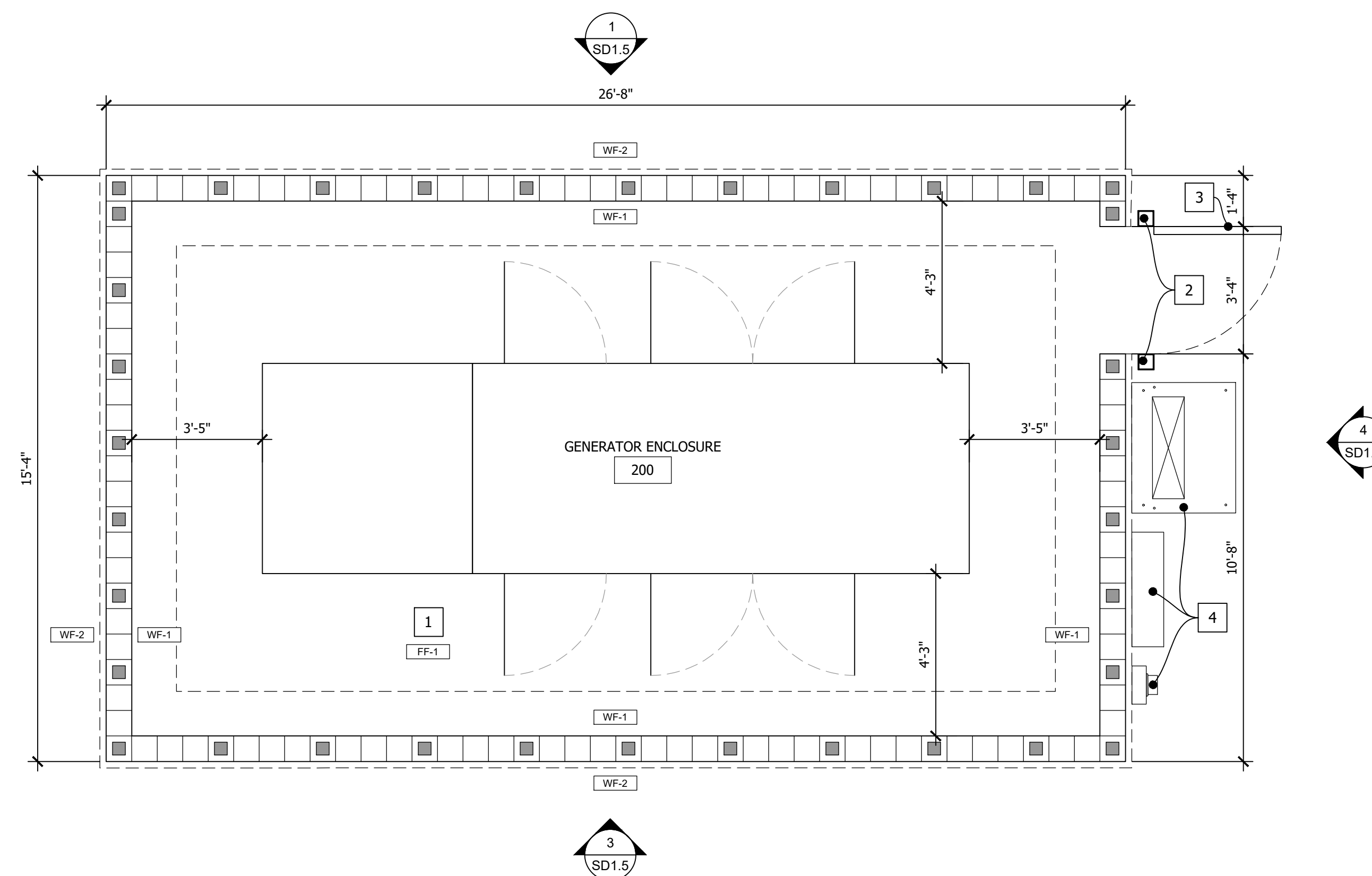
GENERAL NOTES:

- ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
- GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK.
- THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
- THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
- ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
- UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OWNER'S VENDORS ON SITE DURING CONSTRUCTION.
- ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- ALL PLYWOOD REFERENCES TO BE FIRE-RETARDANT TREATED PLYWOOD.

PLAN NOTES: X

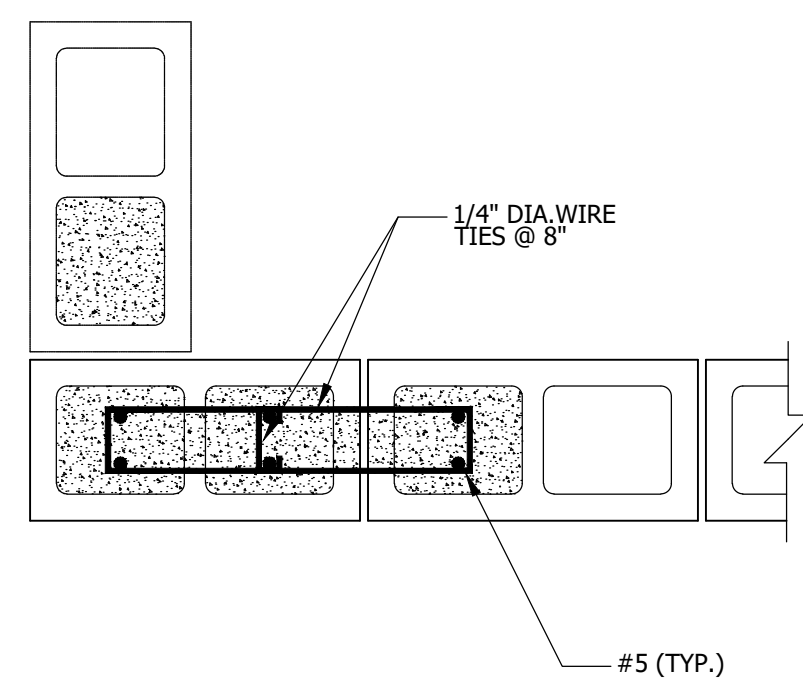
- FLOOR SLOPE = 1/2"
- 5"x5"x.25 THICK STEEL POST FILLED WITH CONCRETE AND STEEL WELDED CAP. SLOPE. PAINTED TO MATCH ADJACENT SURFACES
- GATE REFER TO EXTERIOR ELEVATIONS AND DETAILS GATE AND HINGE BY JIMCO MANUFACTURING
- ELECTRICAL AUTOMATIC TRANSFER SWITCH, CURRENT TRANSFORMER CABINET, AND METER BOX.

NOTE: REFER TO CIVIL DRAWINGS FOR SLAB DETAILS



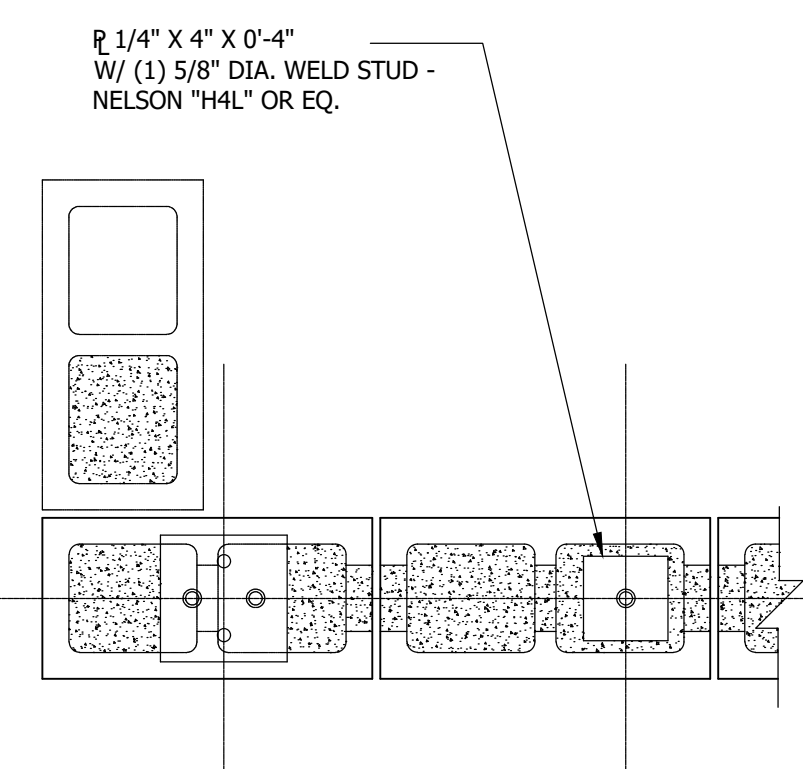
GENERATOR ENCLOSURE FLOOR PLAN

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



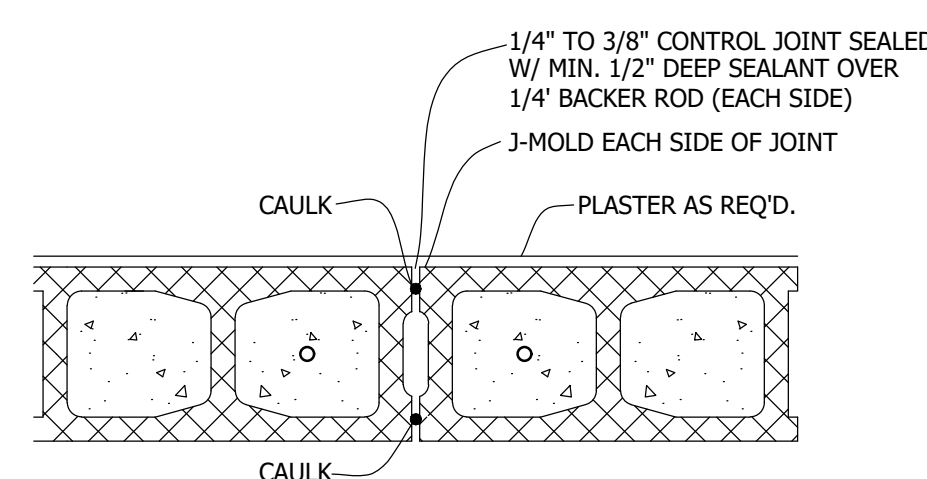
WALL PILASTER

SCALE	4
N.T.S.	



SECTION AT WALL CORNER

SCALE	3
N.T.S.	



NOTE: SEALANT REQUIRED ON BOTH FACES OF CMU WALL AT CONTROL JOINTS (TYP.)

DETAIL OF CONTROL JOINT FINISH

SCALE	2
N.T.S.	



INFINITY ENGINEERING GROUP, LLC

1208 East Kennedy Boulevard Suite 230 Tampa, Florida 33602 [P] 813-434-4770 [F] 813-445-4211 www.igroup.net FL Cert. of Auth. No. 27889

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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
GENERATOR ENCLOSURE
FLOOR PLAN AND DETAILS

Project No. 170-84.00

Date
AS NOTED
Scale
AS NOTED

Sheet
SD1.4

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

INFINITY

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www.iegroupp.com
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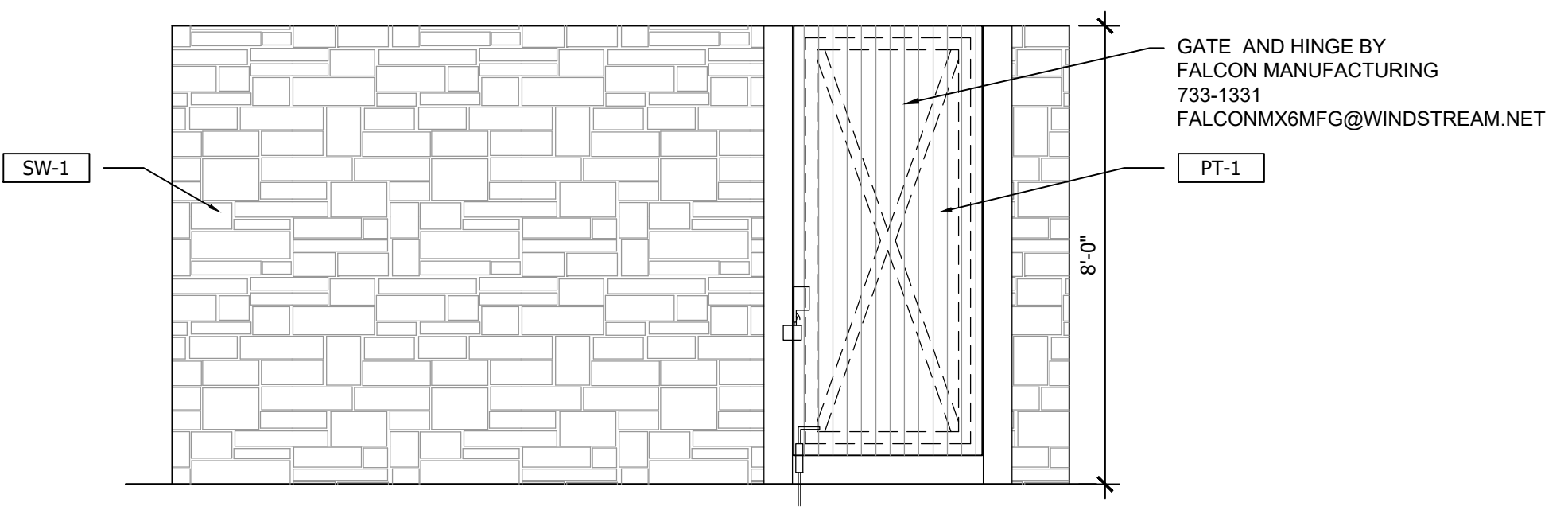
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
**GENERATOR ENCLOSURE
EXTERIOR ELEVATIONS**

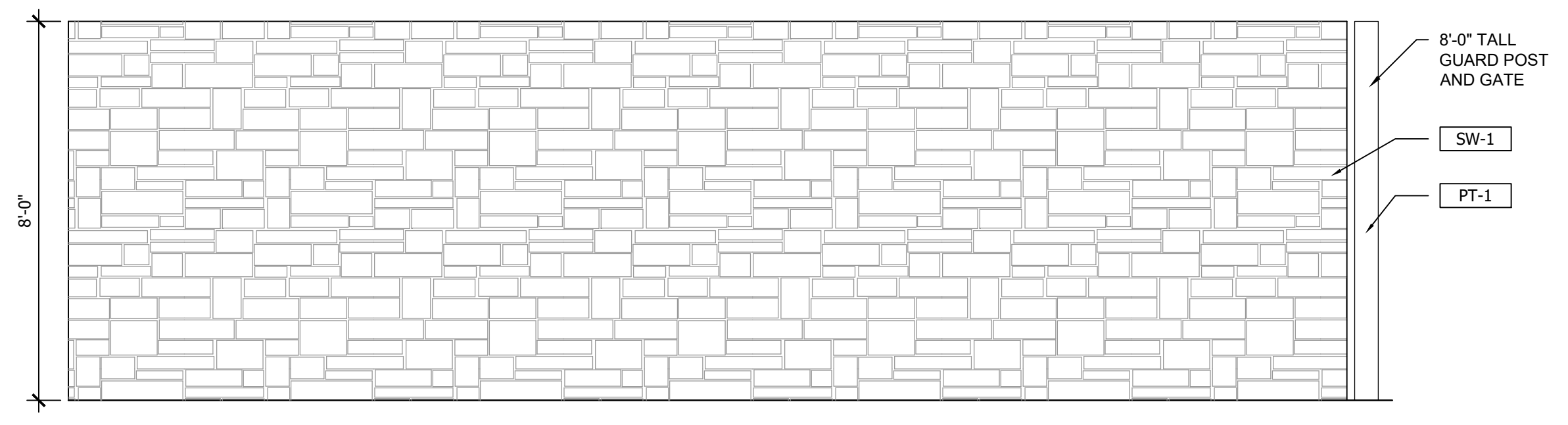
Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet
SD1.5



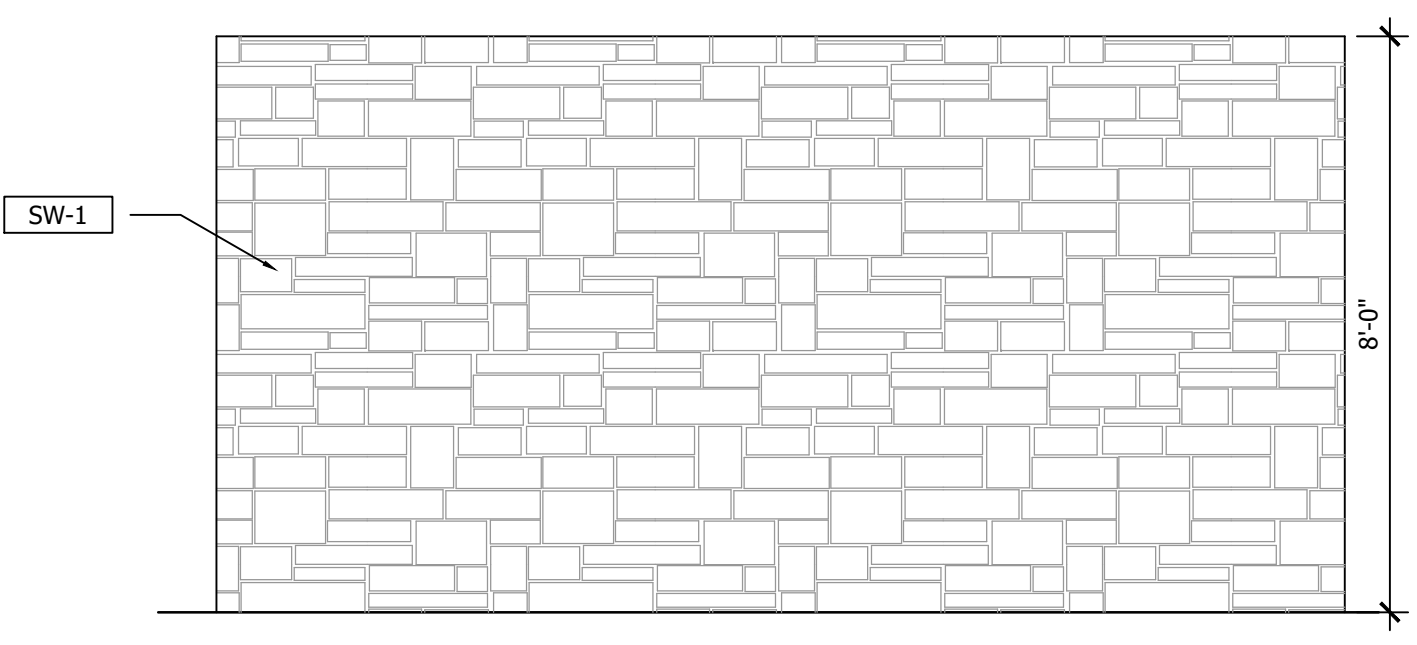
GENERATOR ENCLOSURE SIDE ELEVATION

SCALE	4
3/8" = 1'-0"	



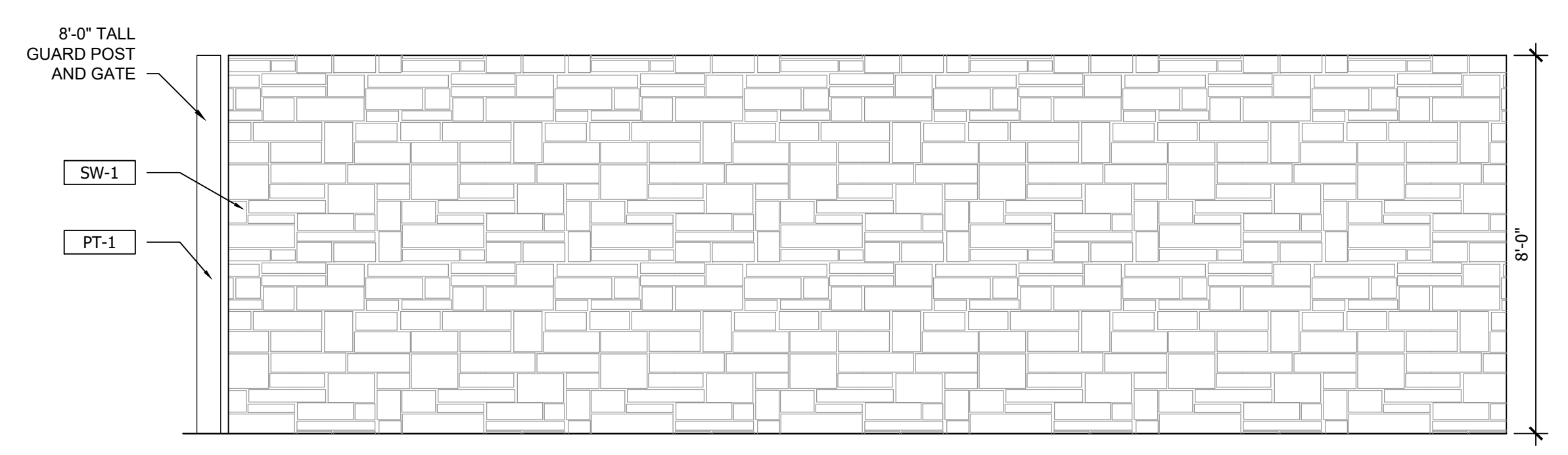
GENERATOR ENCLOSURE REAR ELEVATION

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



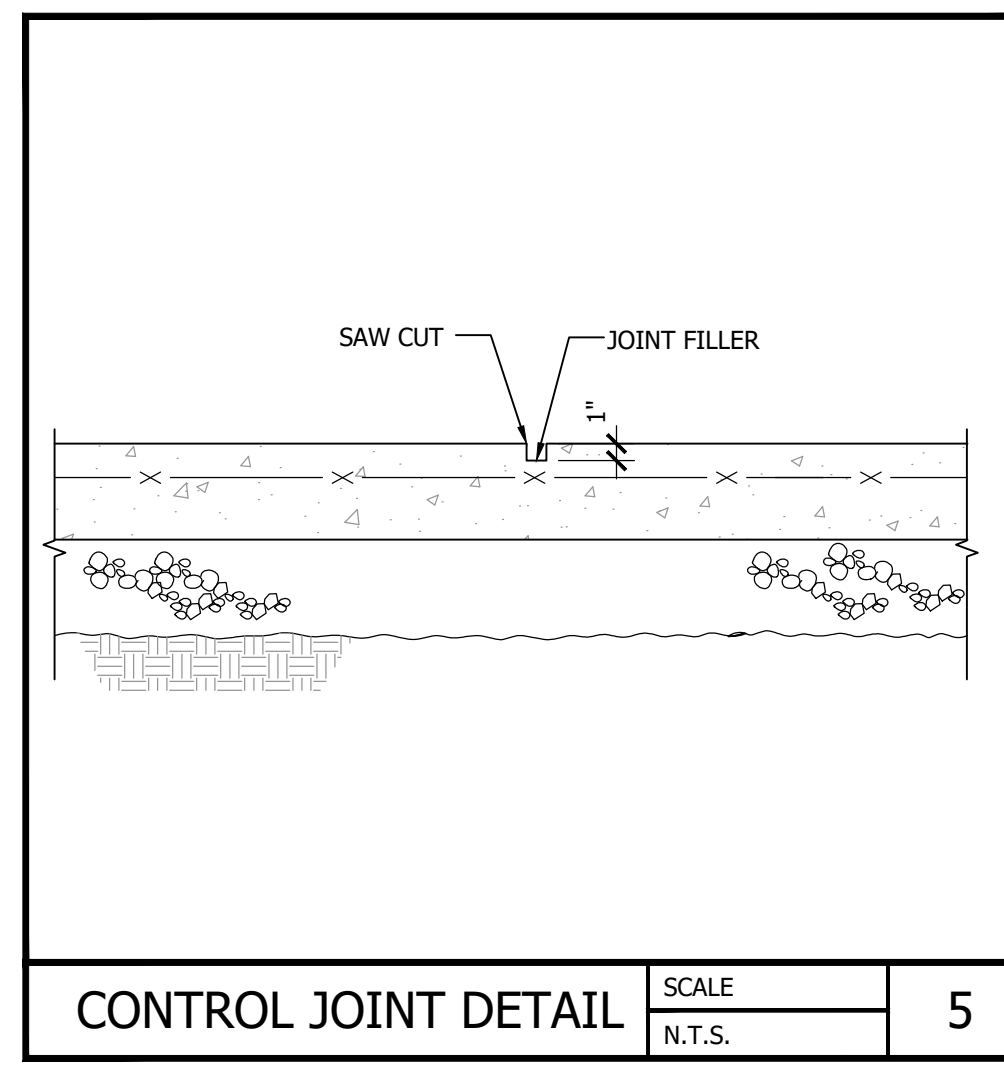
GENERATOR ENCLOSURE SIDE ELEVATION

SCALE	2
3/8" = 1'-0"	

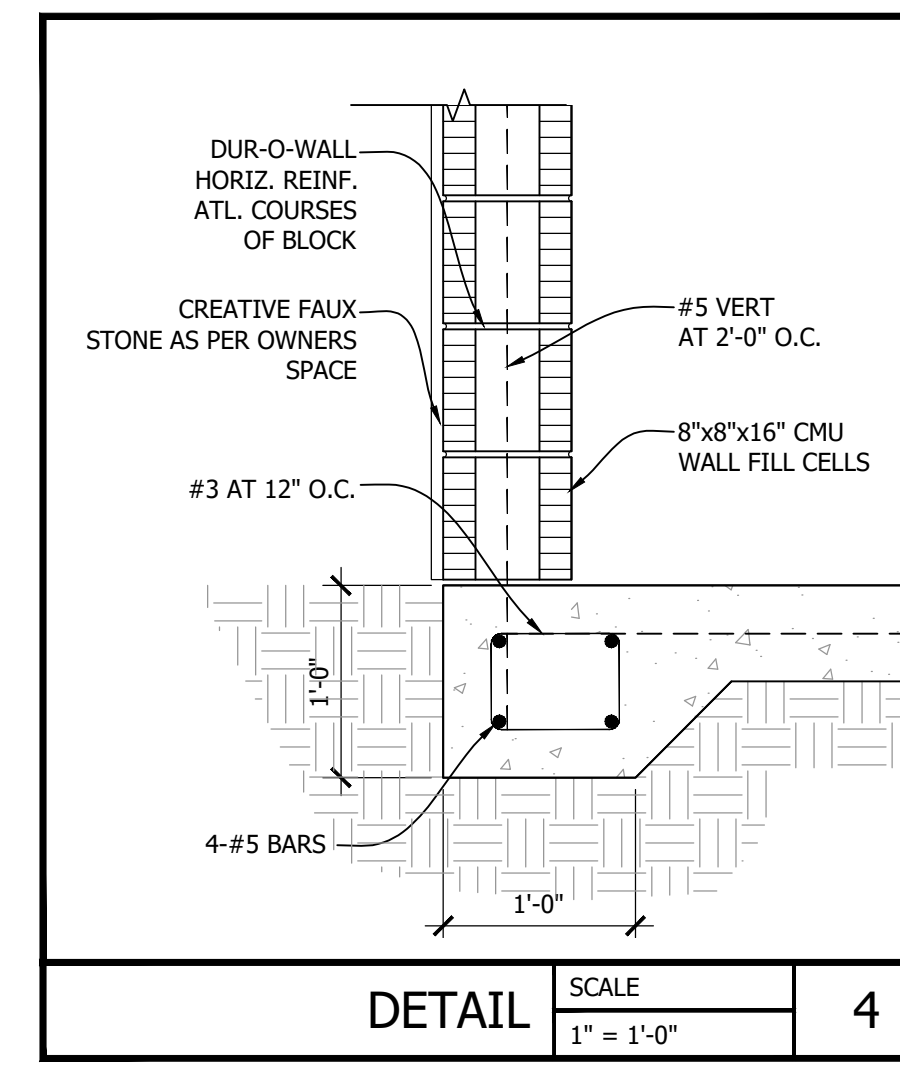


GENERATOR ENCLOSURE FRONT ELEVATION

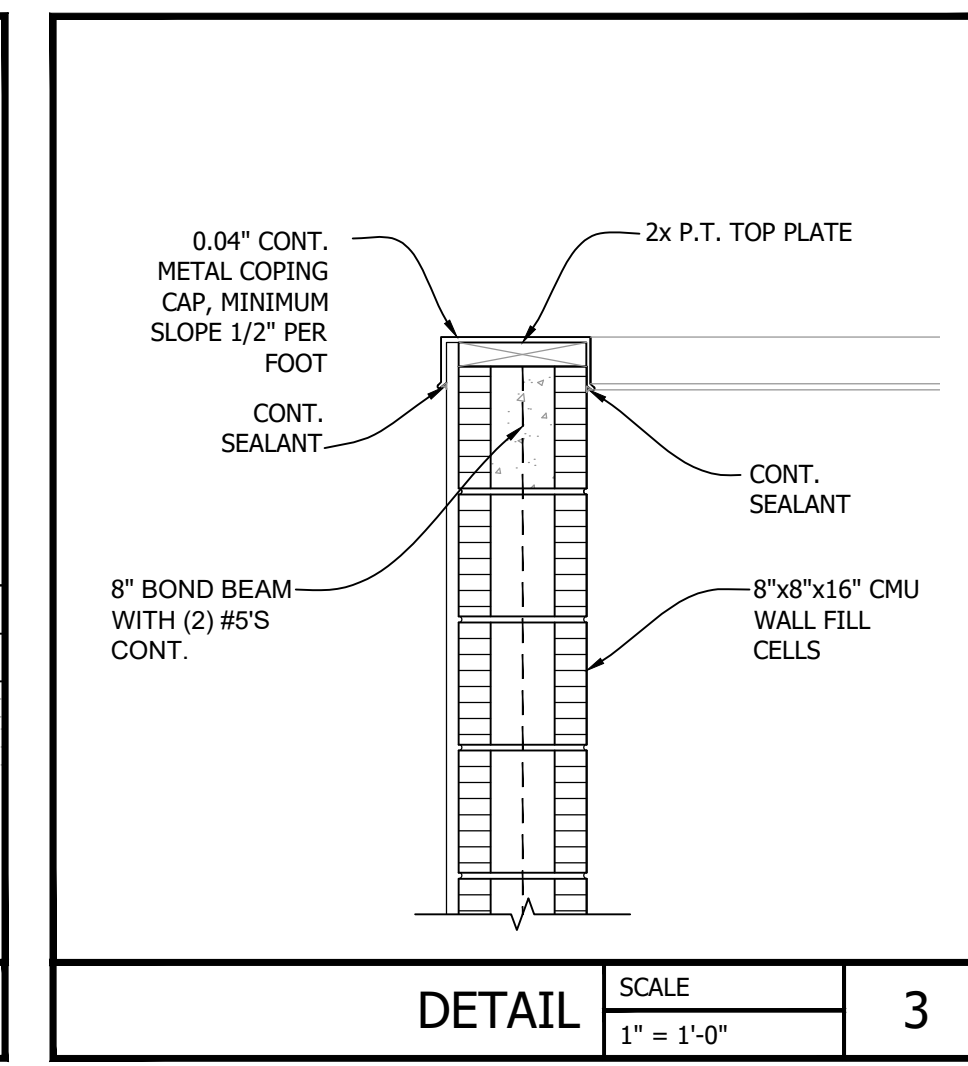
SCALE	1
3/8" = 1'-0"	



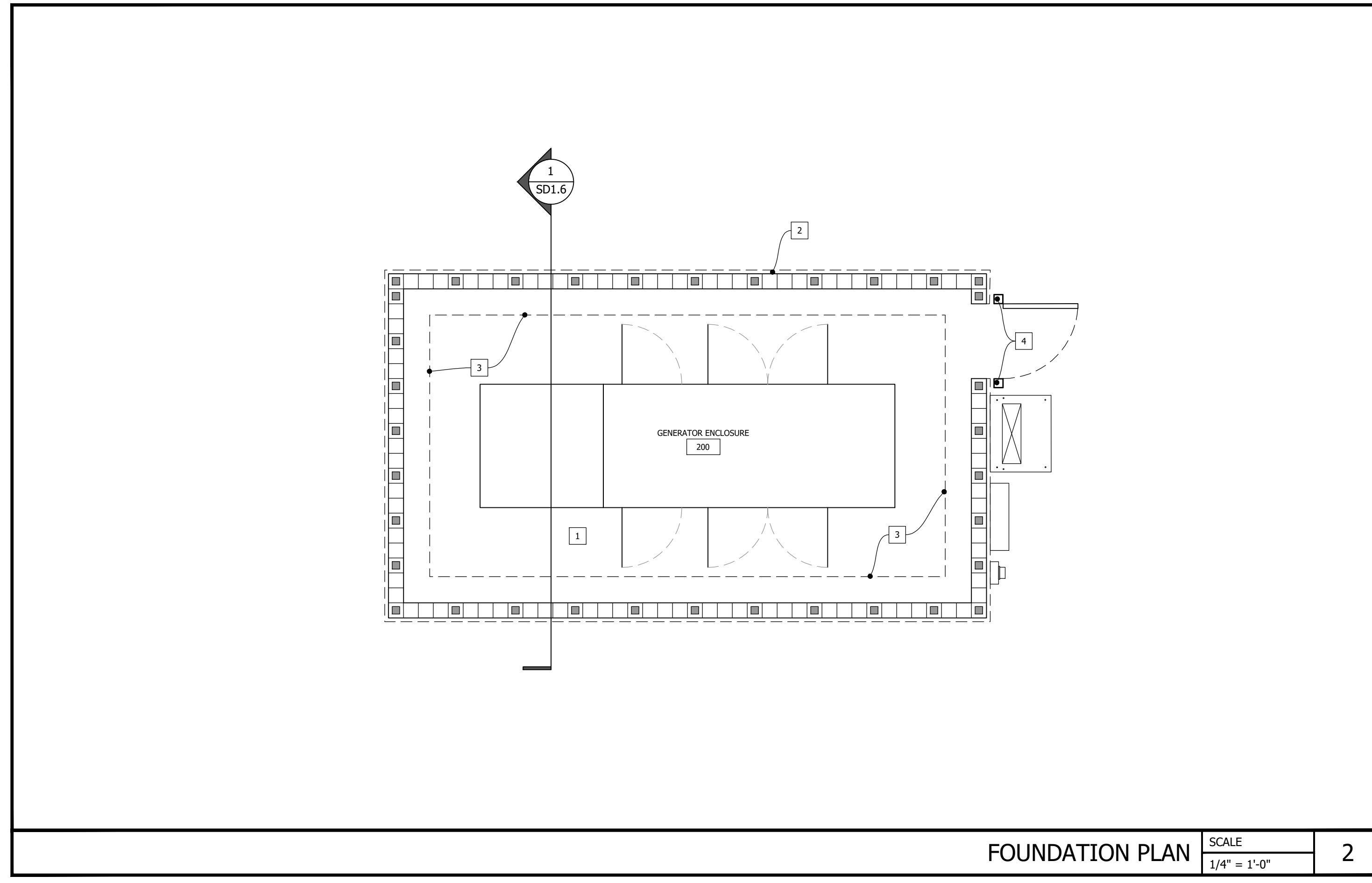
CONTROL JOINT DETAIL SCALE N.T.S. 5



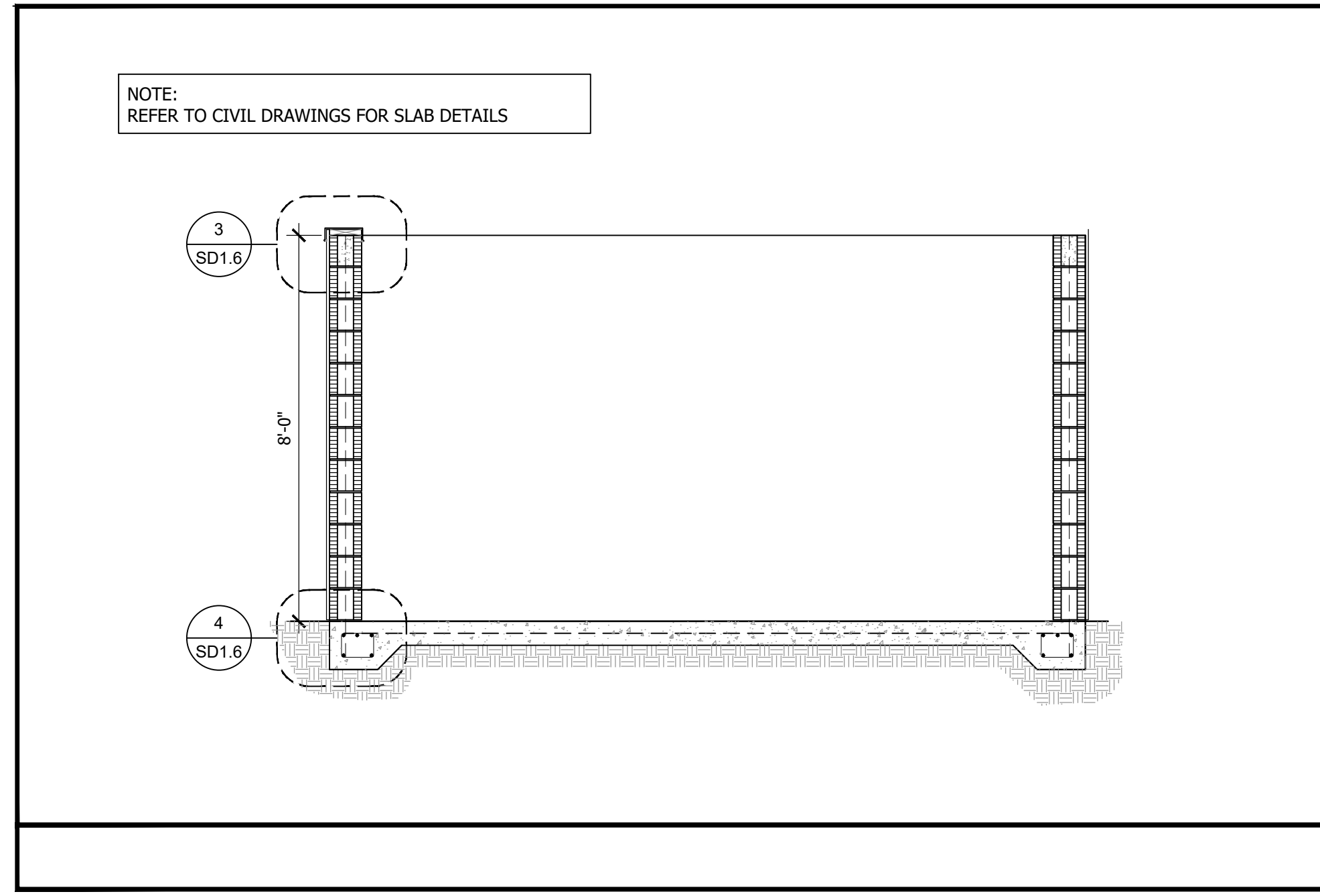
DETAIL SCALE 1" = 1'-0" 4



DETAIL SCALE 1" = 1'-0" 3



FOUNDATION PLAN SCALE 1/4" = 1'-0" 2



BUILDING SECTION SCALE 3/8" = 1'-0" 1

- GENERATOR ENCLOSURE FOUNDATION NOTES:**
- 1 6" SLAB ON GRADE WITH W/6"x6" W2.9xW2.9 W.W.F
 - 2 MASONRY FAUX STONE VENEER TO MATCH MAIN BUILDING ON 8" CONCRETE FILLED BLOCK WALL.
 - 3 TYPICAL WALL FOOTING 12"x12" CONT. SEE DETAIL 4/SD1.6
 - 4 REFER TO DETAIL 5 FOR STEEL COLUMN AND FOOTER DETAIL
 - 5 BOLLARD TYPE "B", REFER TO DETAIL THIS SHEET

NOTE:
REFER TO CIVIL DRAWINGS FOR SLAB DETAILS

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

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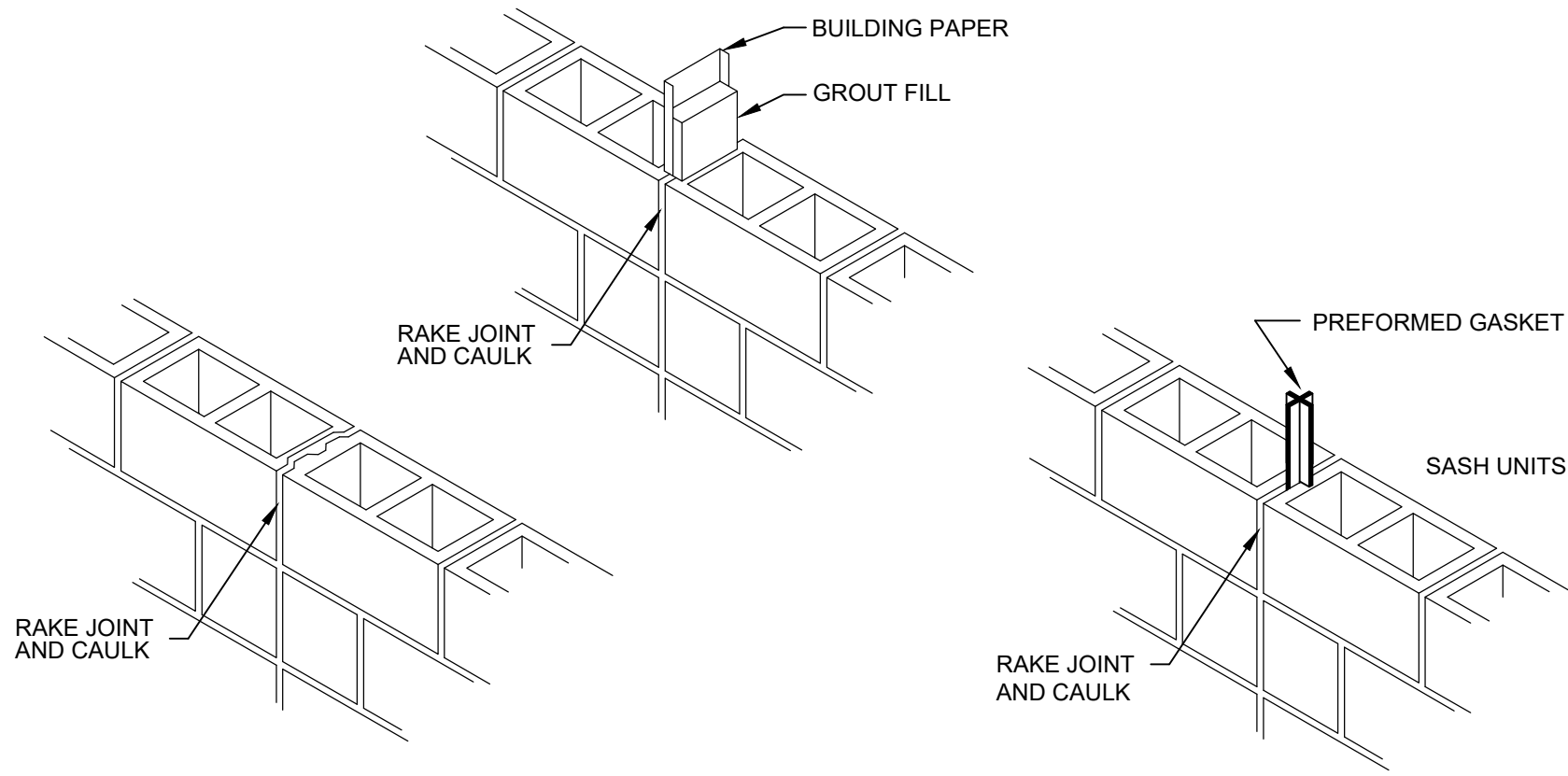
Date _____
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
GENERATOR ENCLOSURE SECTION AND DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet **SD1.6**



CMU CONTROL JOINT OPTIONS SCALE N.T.S. 6

EXTERIOR ELEVATION FINISH SCHEDULE

- SW-1 CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS
- PT-1 CONCRETE BLOCK WALL - SHERWIN WILLIAM SW 6364
- PT-2 SHERWIN WILLIAM 6115 (TOTALLY TAN)
- MT-1 STANDING SEAM METAL ROOF - STANDARD SILVER

NOTE:
BOLLARD COLORS REFER TO DETAIL 5/SD1.3.

GENERAL NOTES:

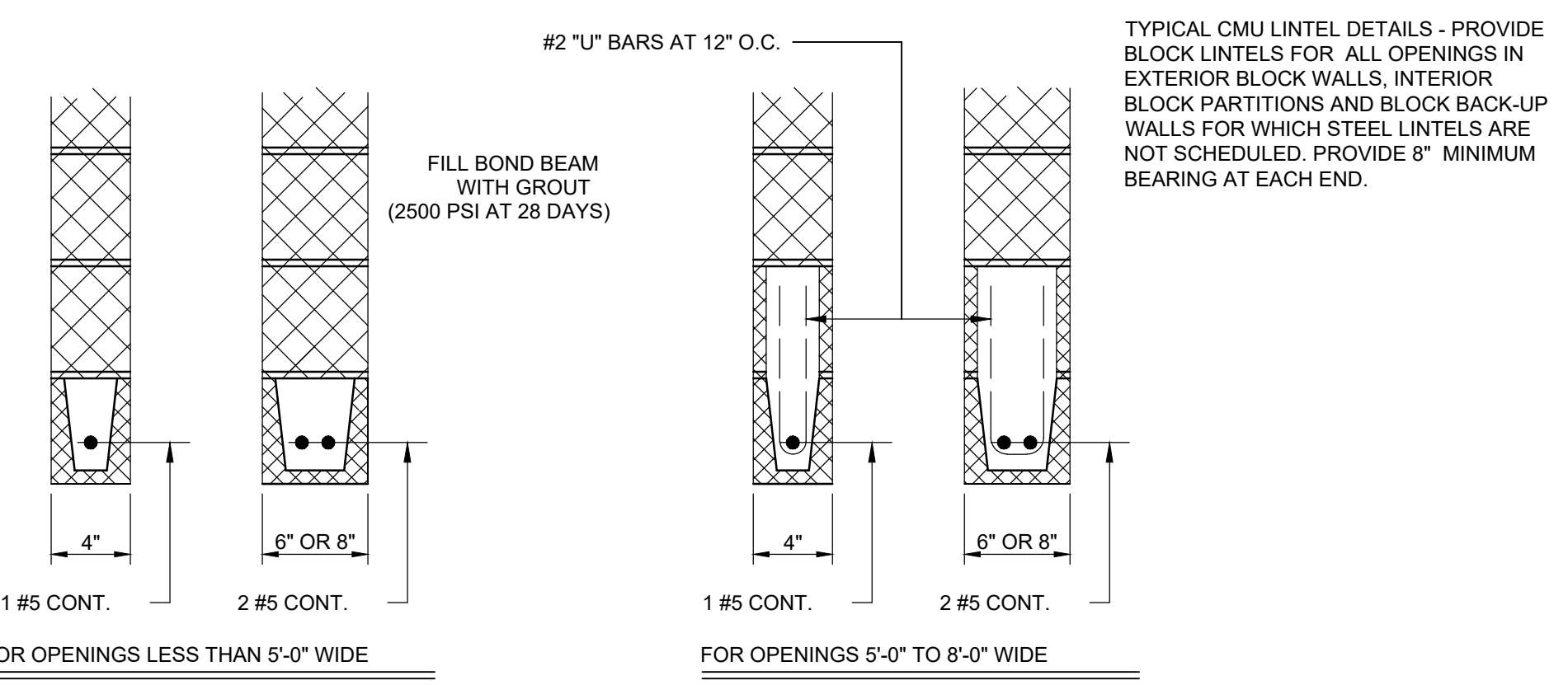
1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK.
3. THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
4. THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
8. ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
9. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
10. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OWNER'S VENDORS ON SITE DURING CONSTRUCTION.
19. ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
20. ALL PLYWOOD REFERENCES TO BE FIRE-RETARDANT TREATED PLYWOOD.

PLAN NOTES: X

- 1 FLOOR SLOPE = 1/2"
- 2 5"x5"x.25 THICK STEEL POST FILLED WITH CONCRETE AND STEEL WELDED CAP. SLOPE. PAINTED TO MATCH ADJACENT SURFACES
- 3 GATE REFER TO EXTERIOR ELEVATIONS AND DETAILS GATE AND HINGE BY JIMCO MANUFACTURING.
- 4 BOLLARD TYPE "B". REFER TO DETAIL ON SHEET SD1.3

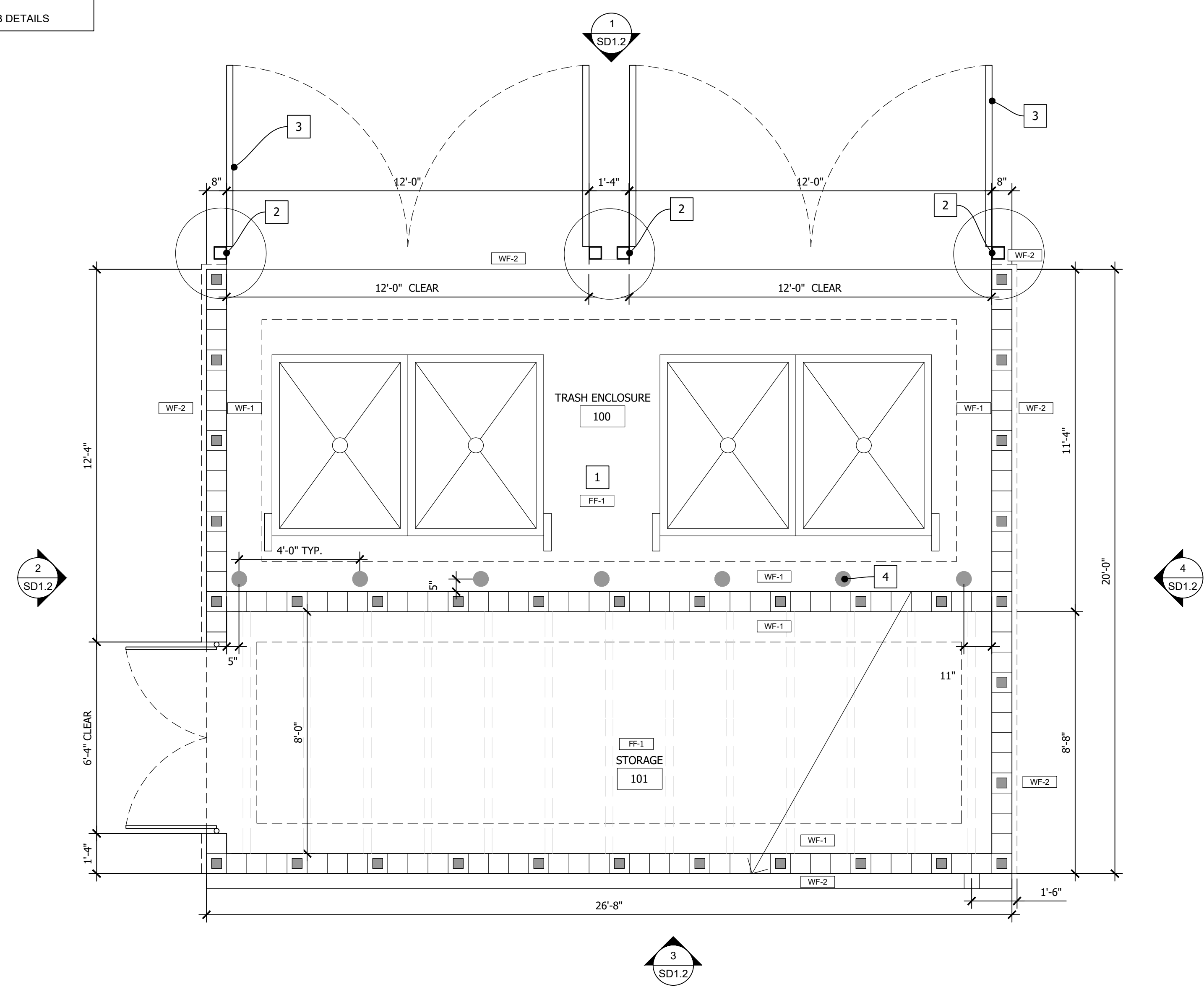
FINISH NOTES:

- FF-1 CONCRETE FLOOR
- WF-1 INTERIOR FINISH - CMU BLOCK WALL TO BE PAINTED
- WF-2 EXTERIOR FINISH - STONE (MATCH MAIN STORE)

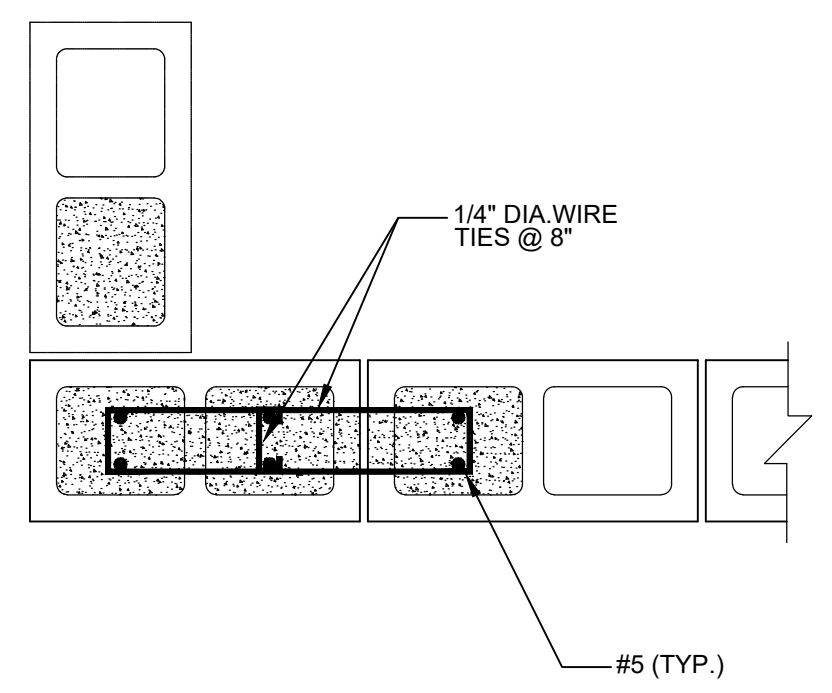


TYPICAL CMU LINTEL DETAILS SCALE N.T.S. 5

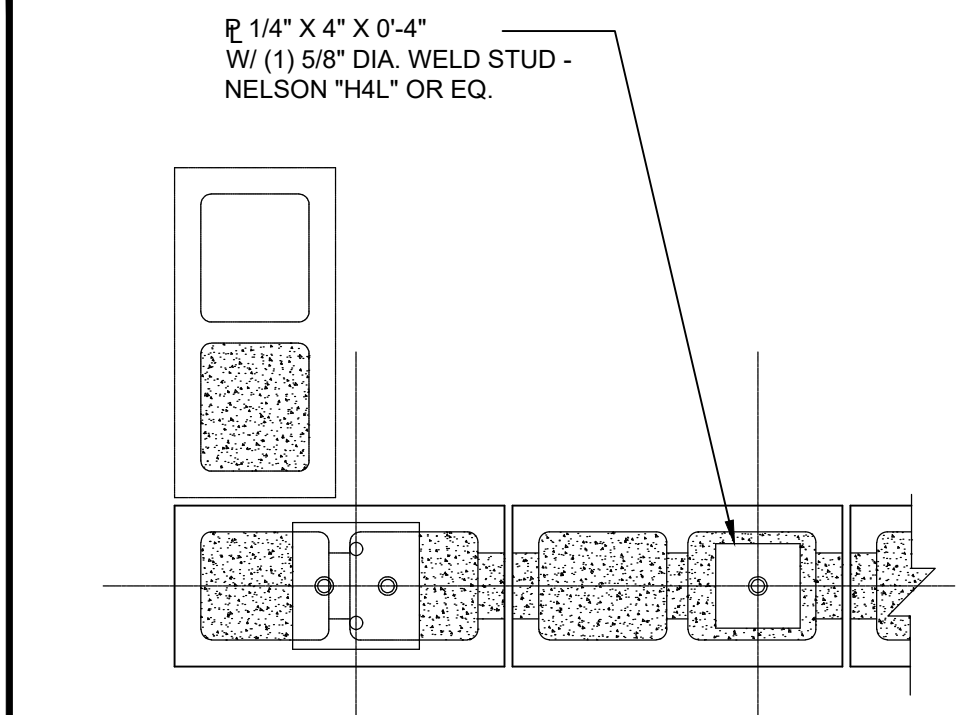
NOTE:
REFER TO CIVIL DRAWINGS FOR SLAB DETAILS



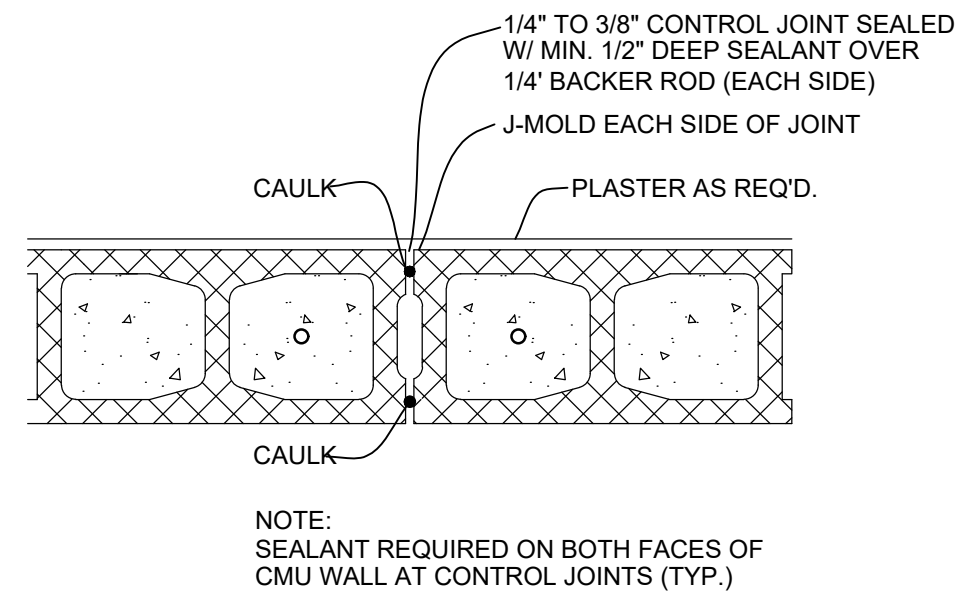
TRASH ENCLOSURE FLOOR PLAN SCALE 3/8" = 1'-0" 1



WALL PILASTER SCALE N.T.S. 4



SECTION AT WALL CORNER SCALE N.T.S. 3



DETAIL OF CONTROL JOINT FINISH SCALE N.T.S. 2

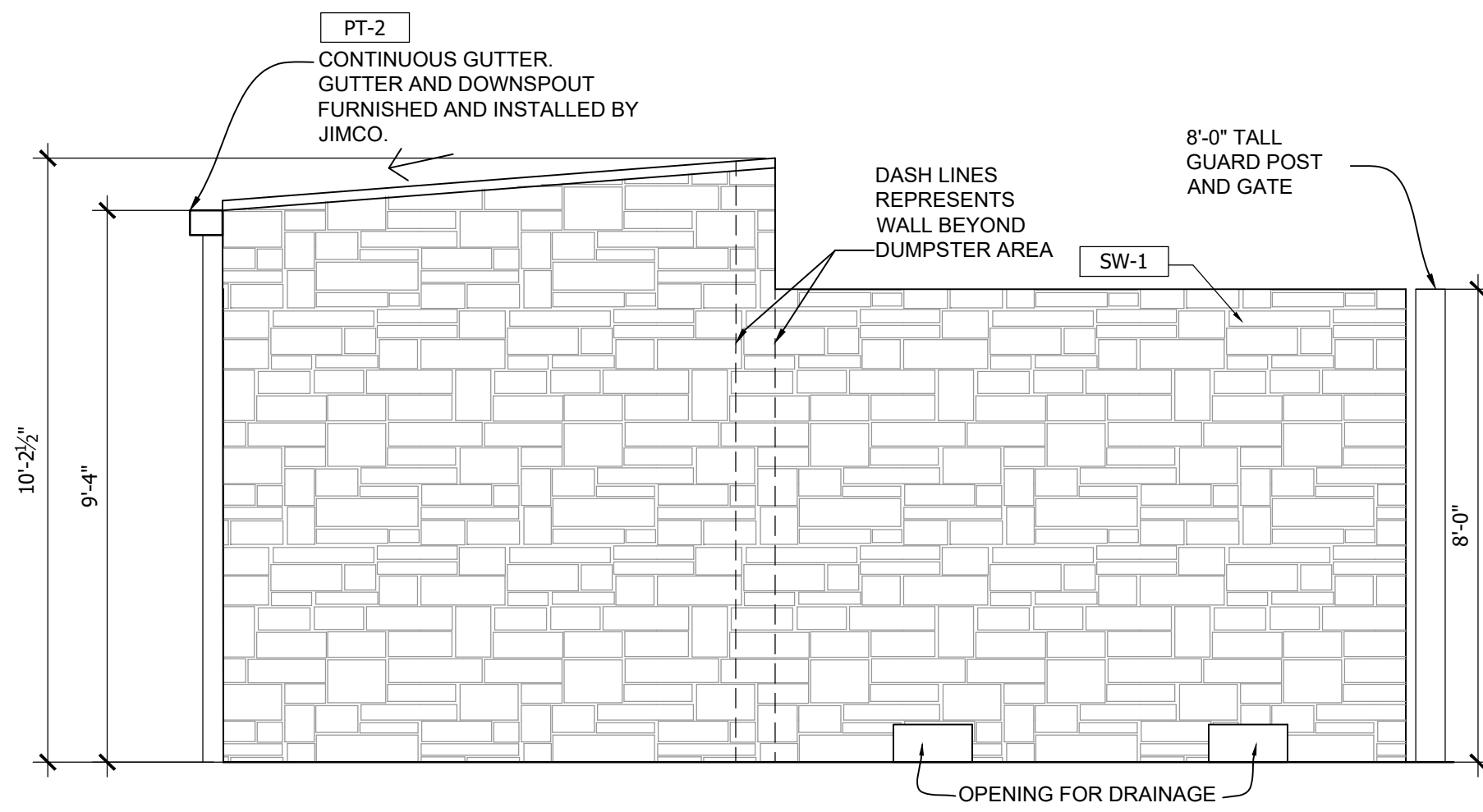
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www.ieggroup.net
FL Cert. of Auth. No. 27889

Client Name and Address
CEFCO
CONVENIENCE STORES

NISIT SAPPARKHAO, P.E.
AL REG. NO. 32095-E
DATE

Project Name and Address
CEFCO #435 - LOXLEY
HIGHWAY 90 & HIGHWAY 59
CITY OF LOXLEY, BALDWIN COUNTY, ALABAMA
Sheet Title
TRASH ENCLOSURE FLOOR PLAN AND DETAILS

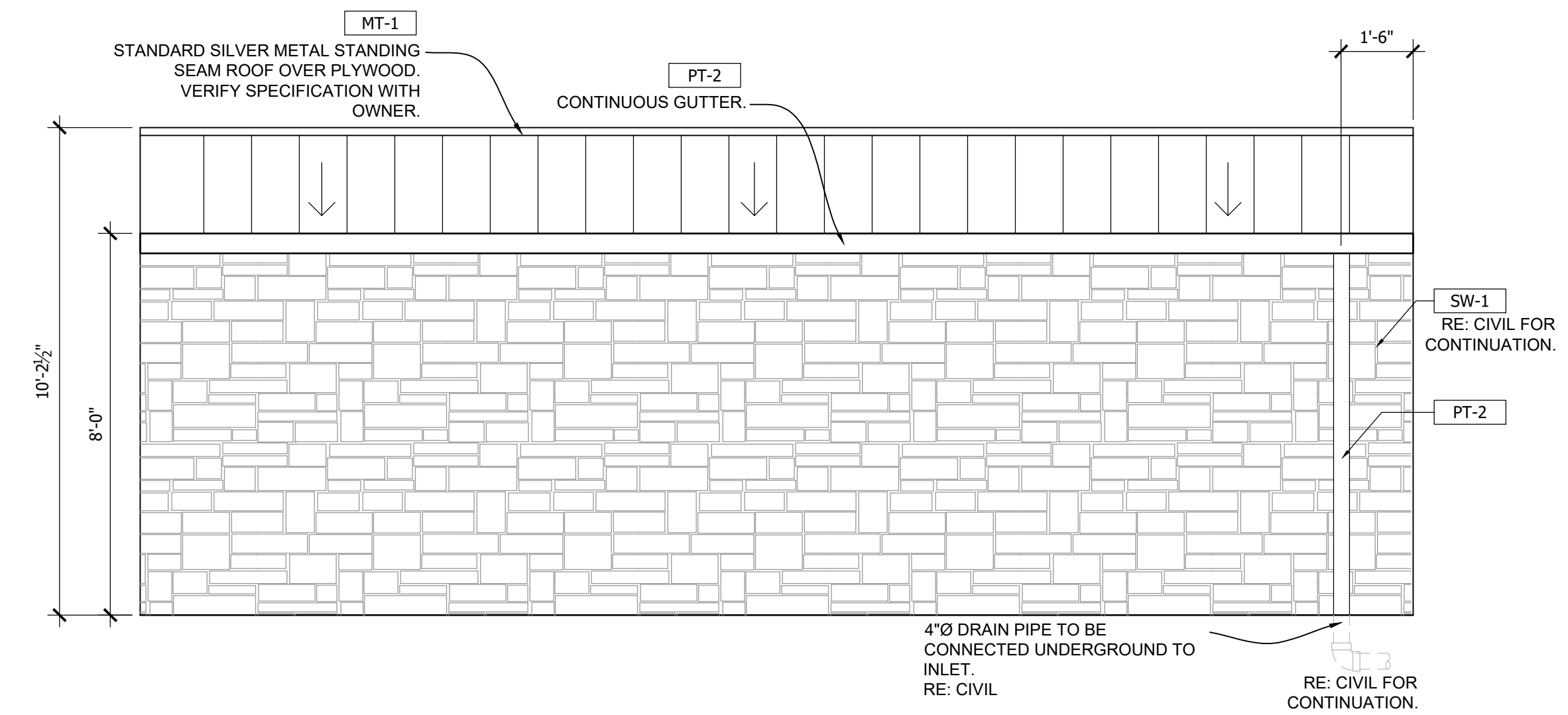
Project No. 170-82.00
Date AS NOTED
Scale AS NOTED
Sheet SD1.1



TRASH ENCLOSURE SIDE ELEVATION

SCALE
3/8" = 1'-0"

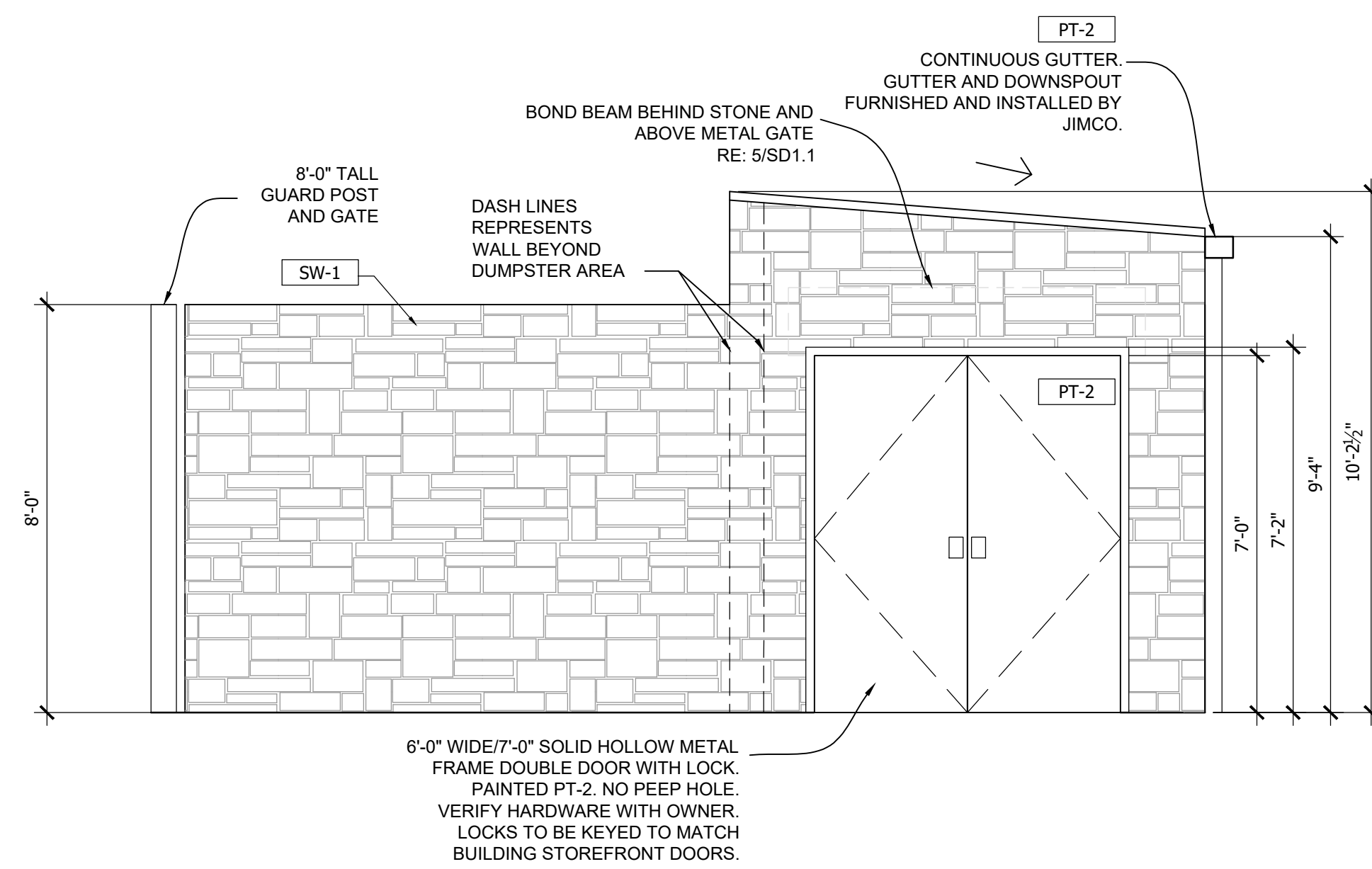
4



TRASH ENCLOSURE REAR ELEVATION

SCALE
3/8" = 1'-0"

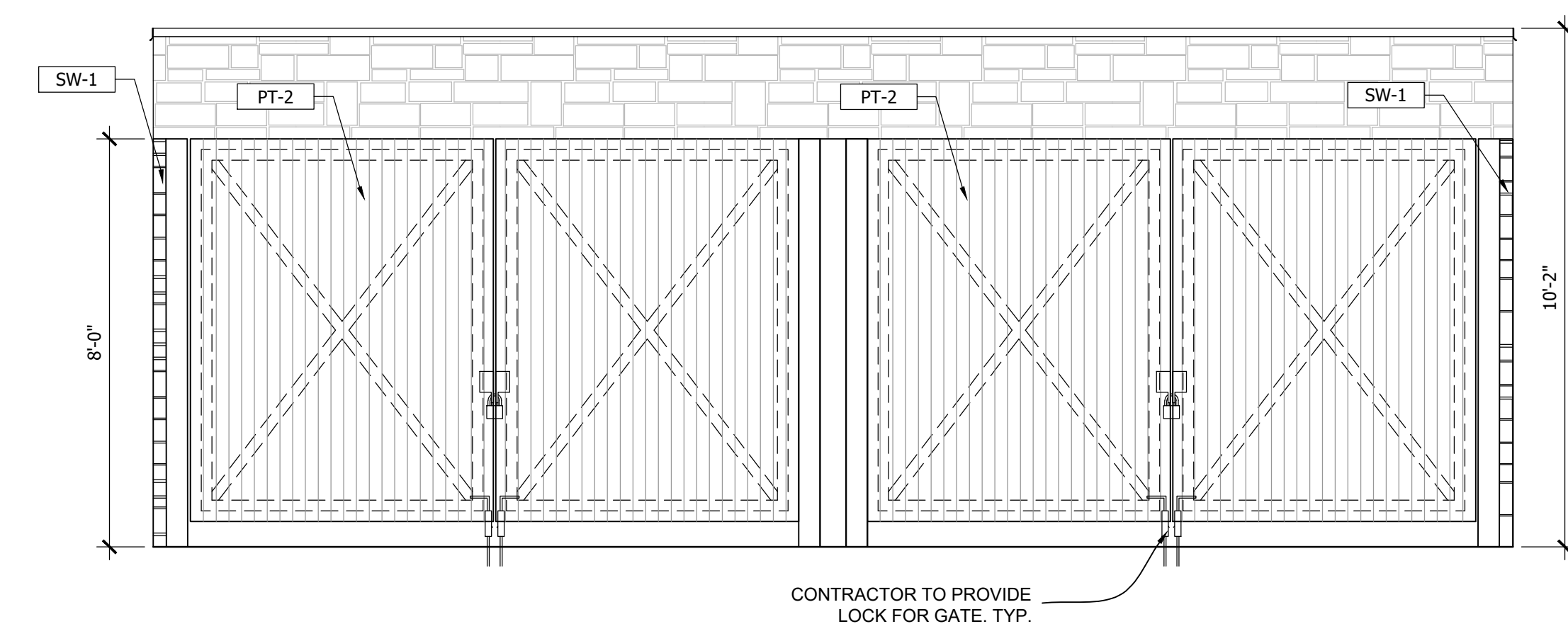
3



TRASH ENCLOSURE SIDE ELEVATION

SCALE
3/8" = 1'-0"

2



TRASH ENCLOSURE FRONT ELEVATION

SCALE
3/8" = 1'-0"

1

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	08/22/2022



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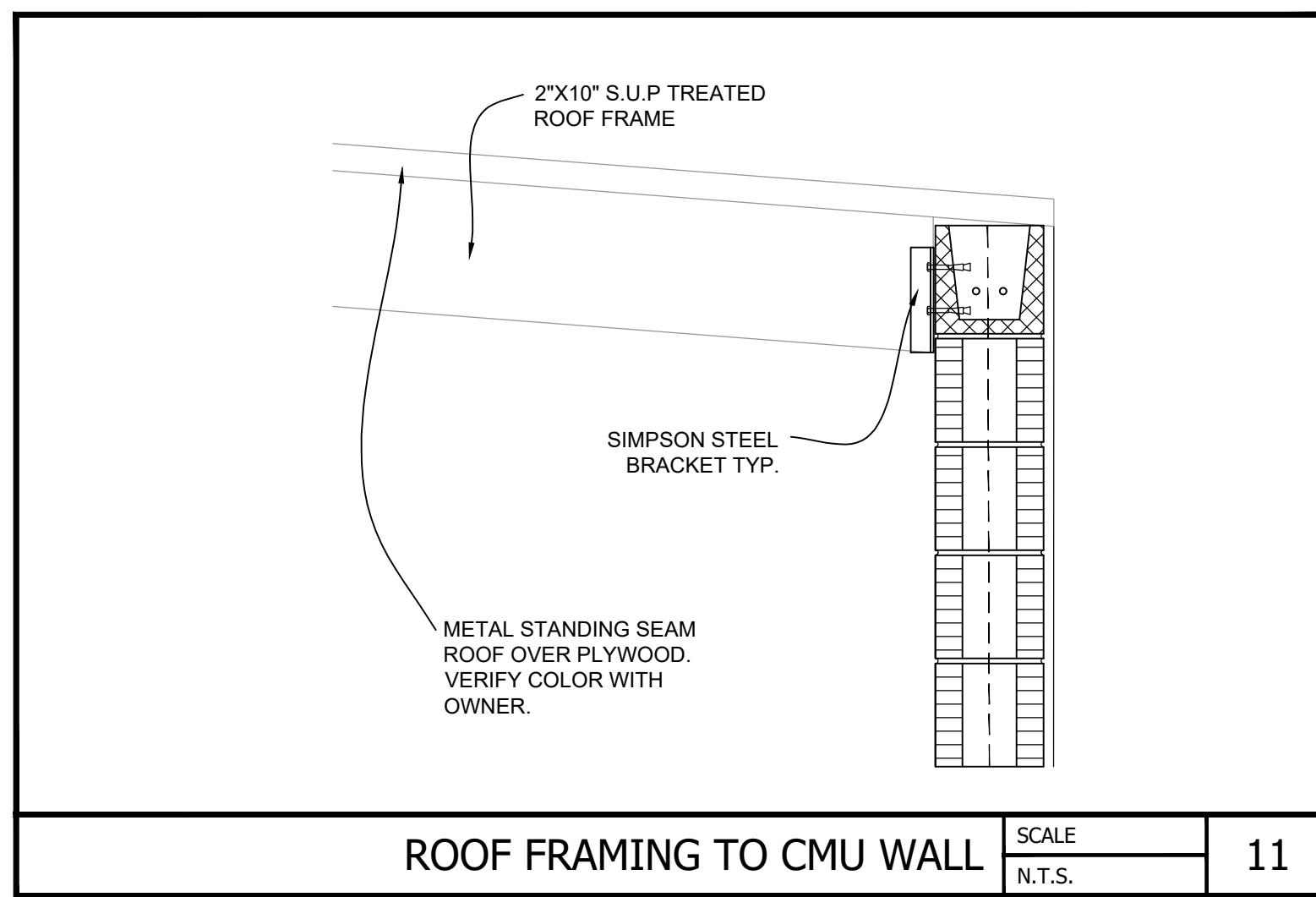
DATE

Project Name and Address
CEFCO #435 - LOXLEY
HIGHWAY 90 & HIGHWAY 59
CITY OF LOXLEY, BALDWIN COUNTY, ALABAMA

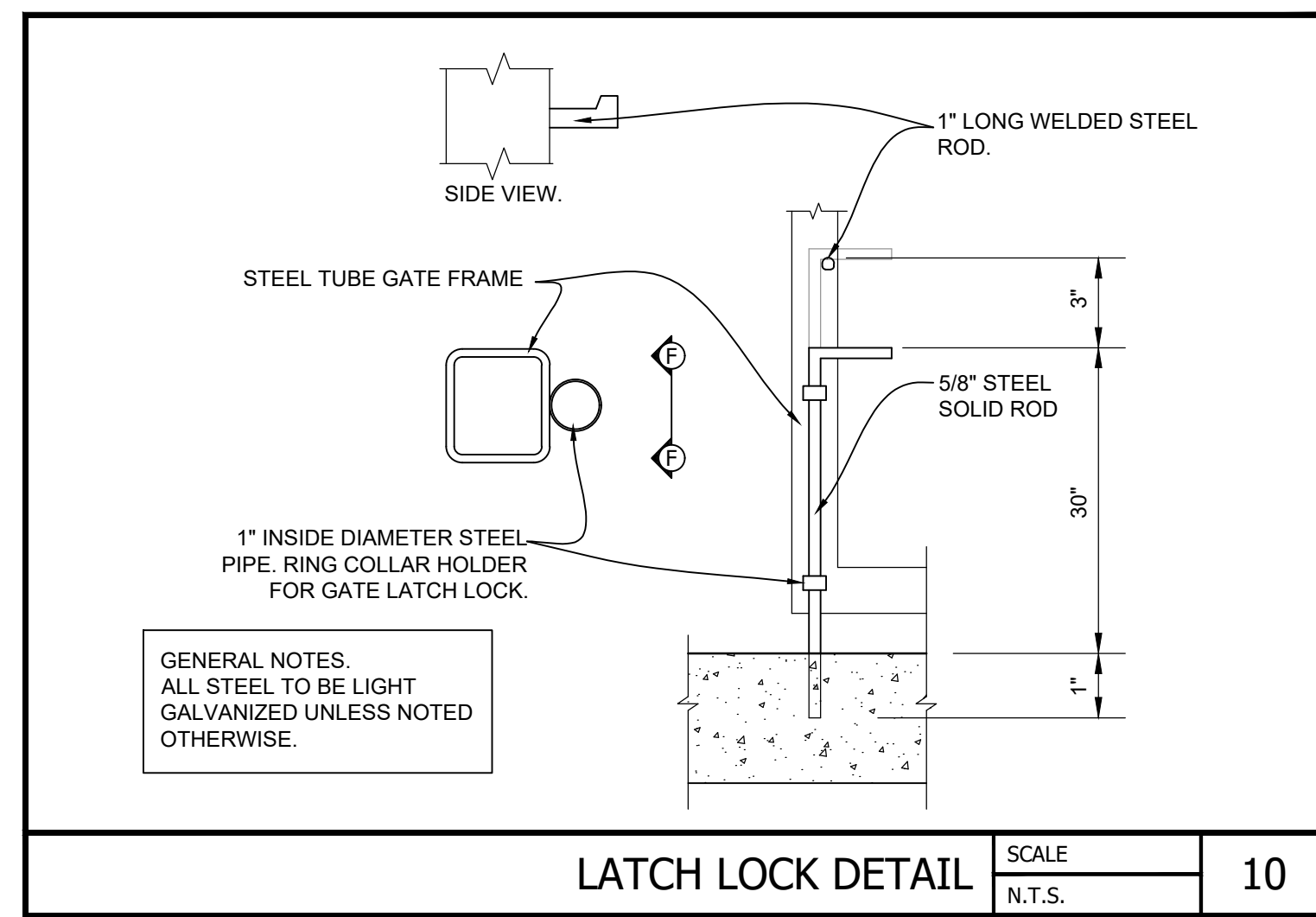
Sheet Title
TRASH ENCLOSURE
EXTERIOR ELEVATIONS

Project No.
170-82.00
Date
AS NOTED
Scale
AS NOTED

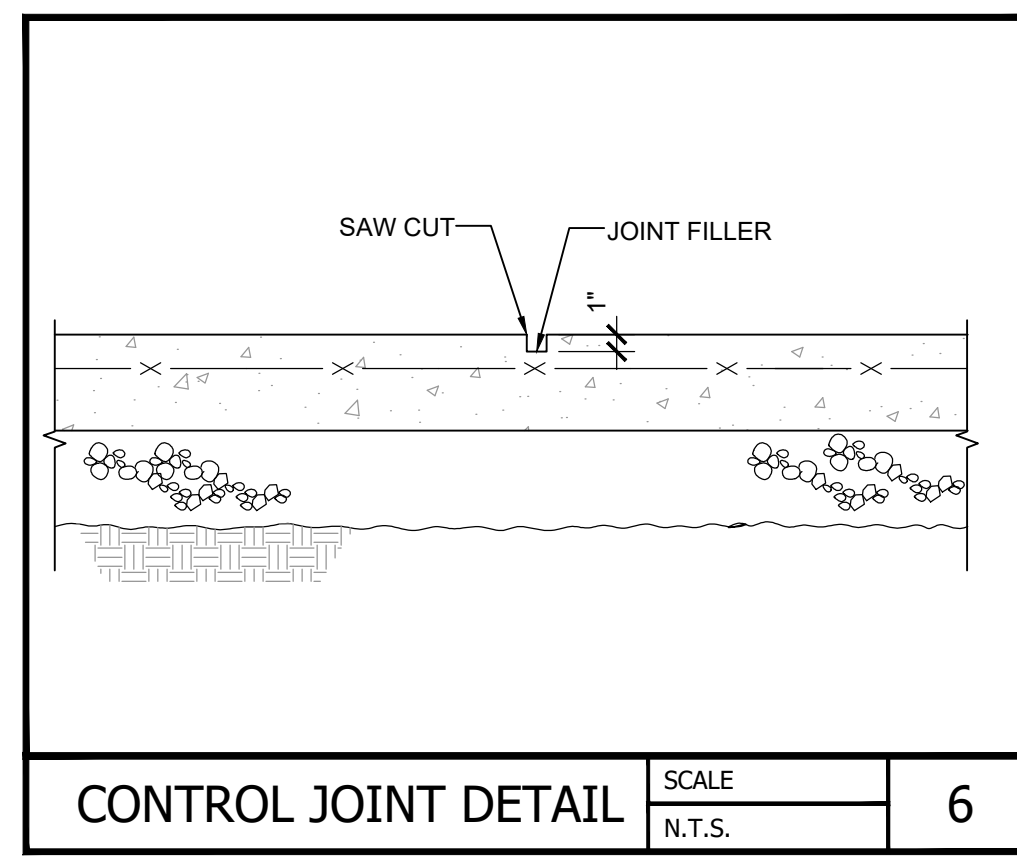
Sheet
SD1.2



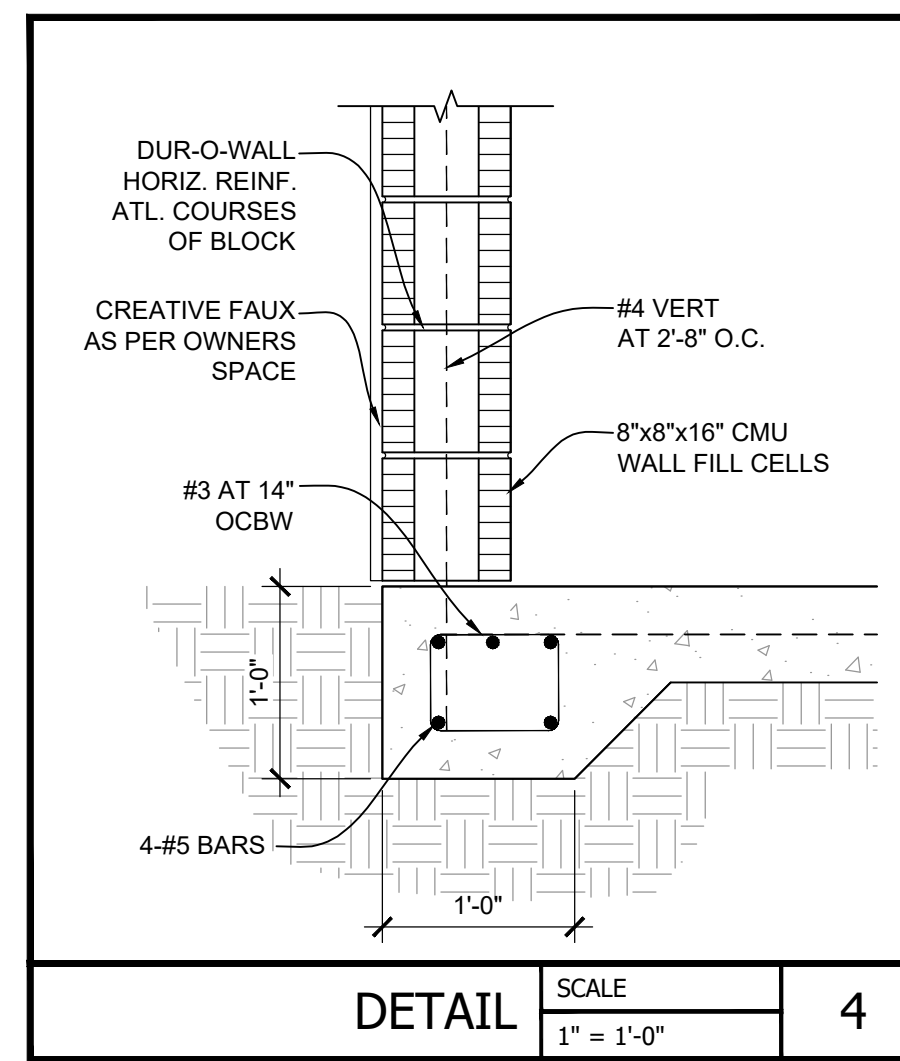
ROOF FRAMING TO CMU WALL SCALE N.T.S. 11



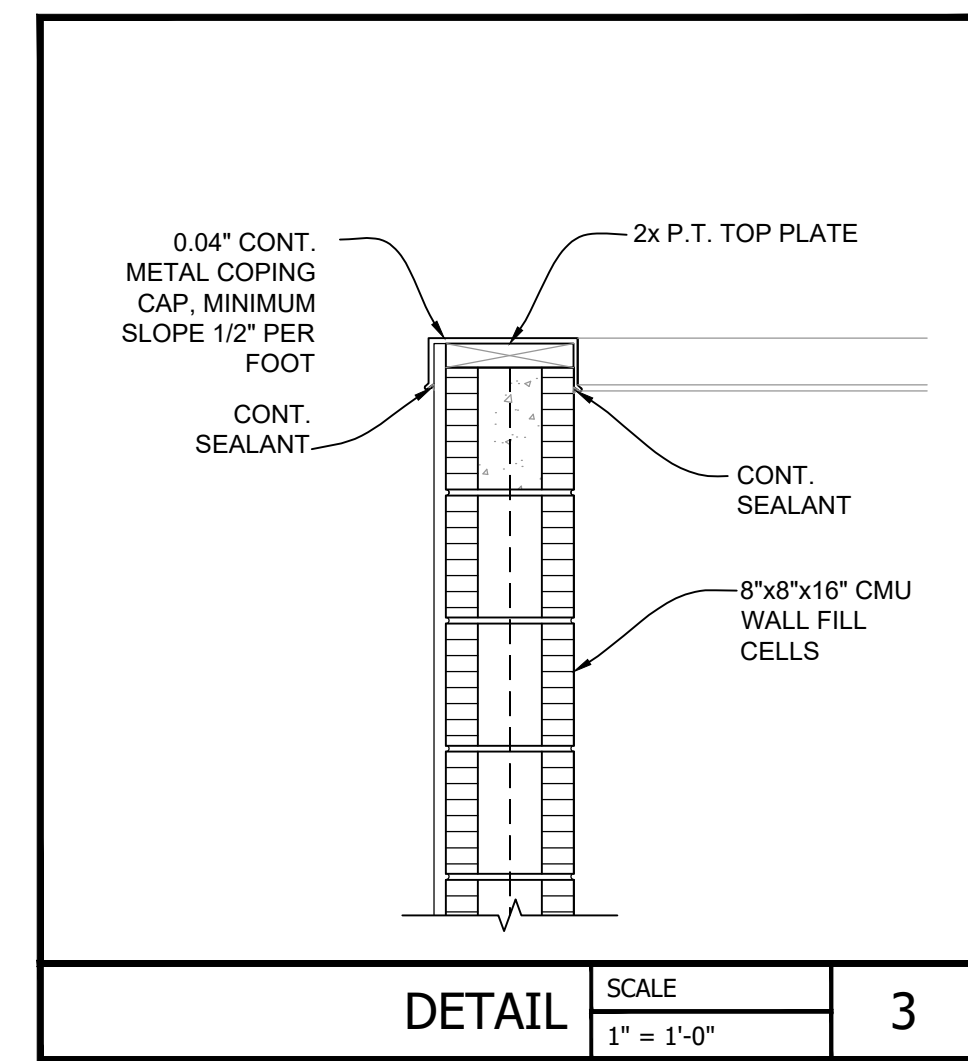
LATCH LOCK DETAIL SCALE N.T.S. 10



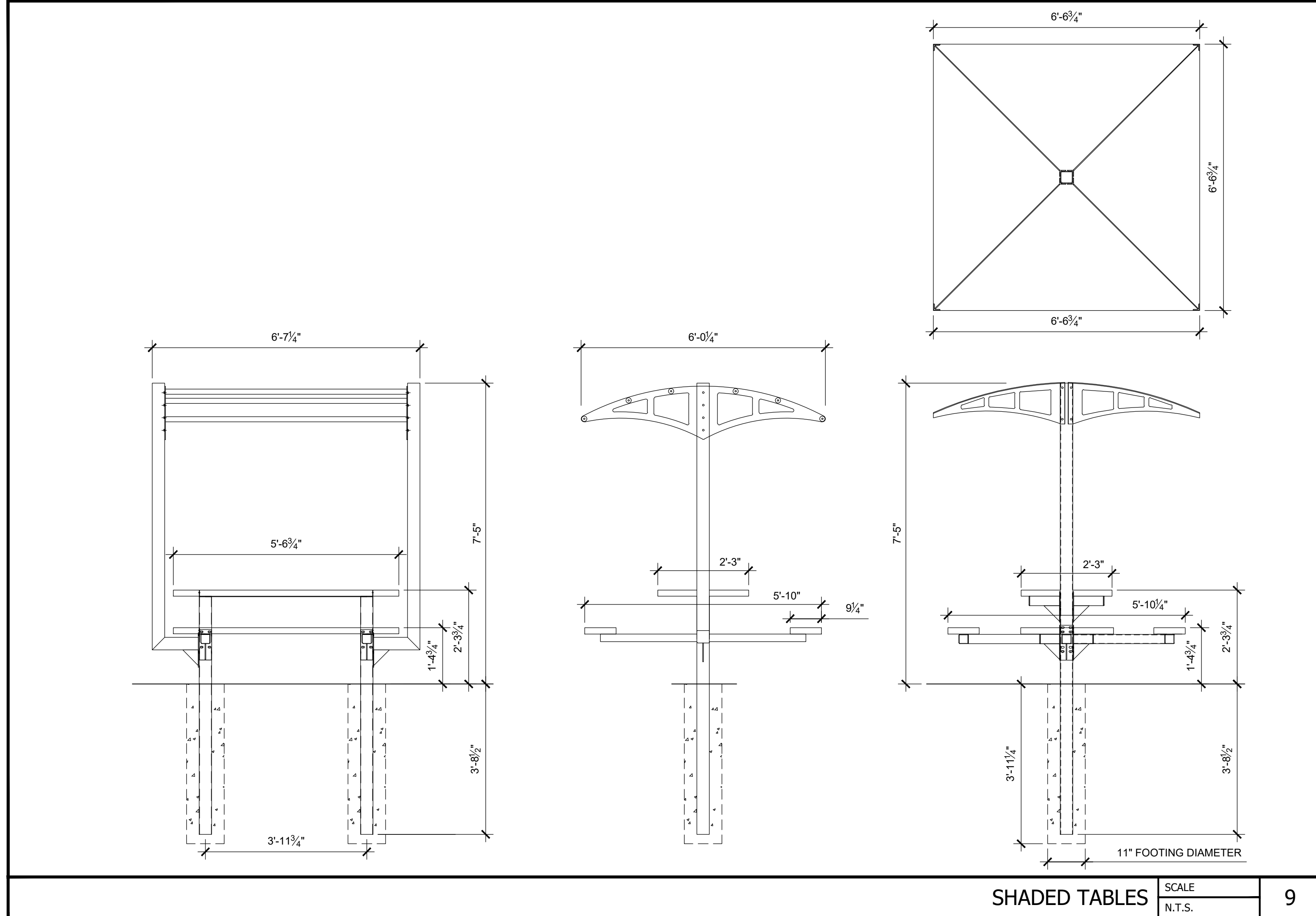
CONTROL JOINT DETAIL SCALE N.T.S. 6



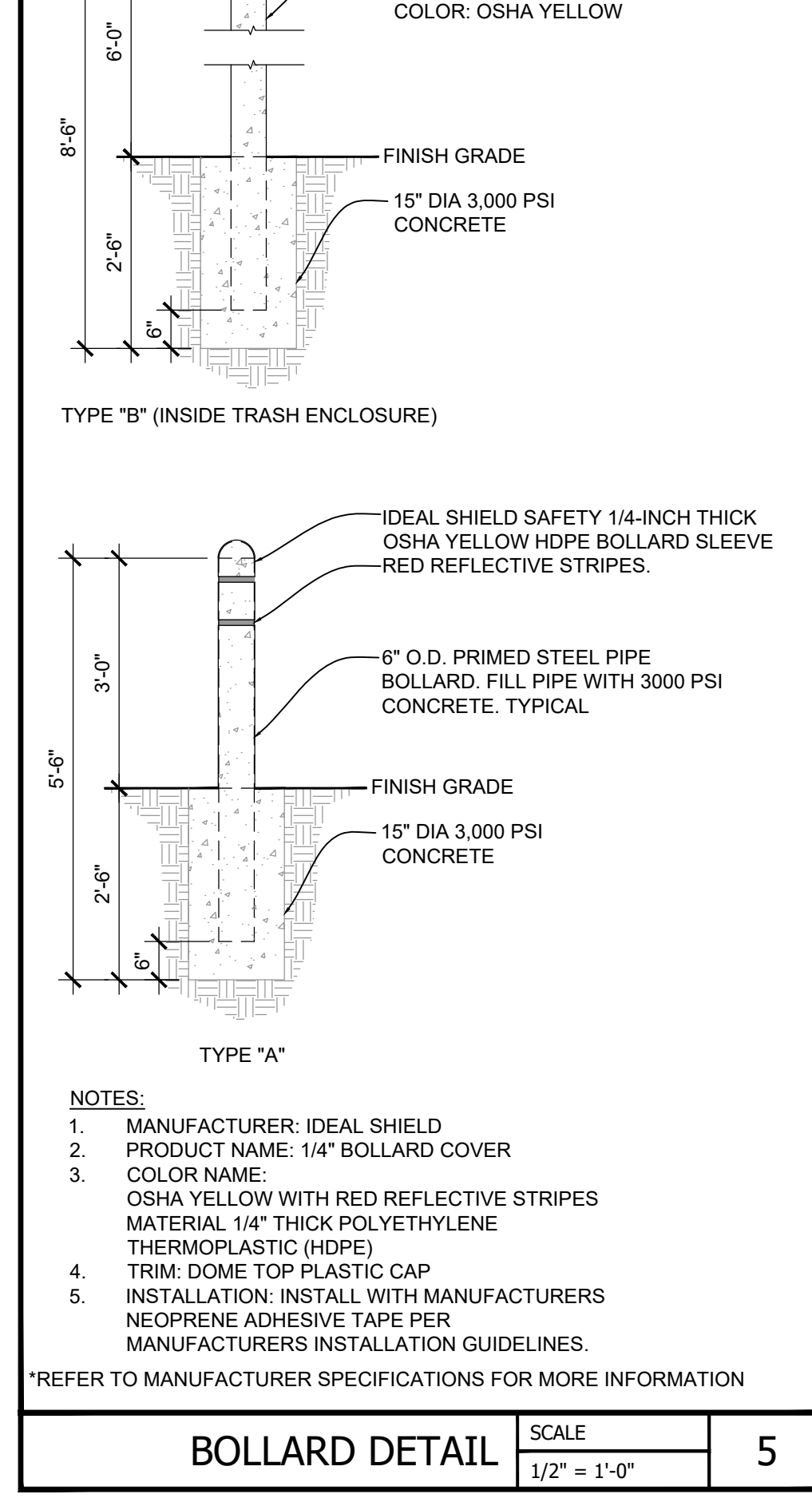
DETAIL SCALE 1" = 1'-0" 4



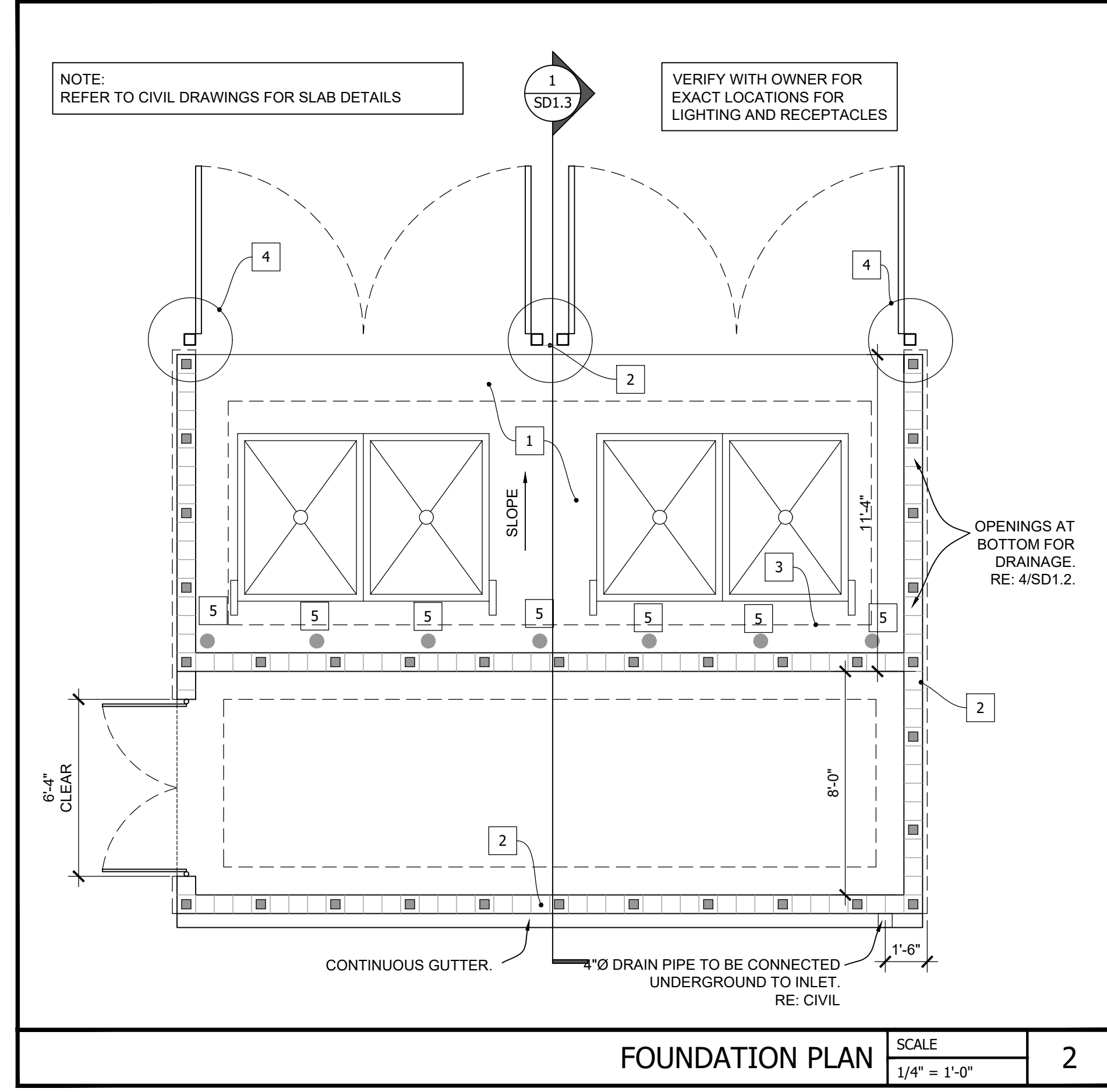
DETAIL SCALE 1" = 1'-0" 3



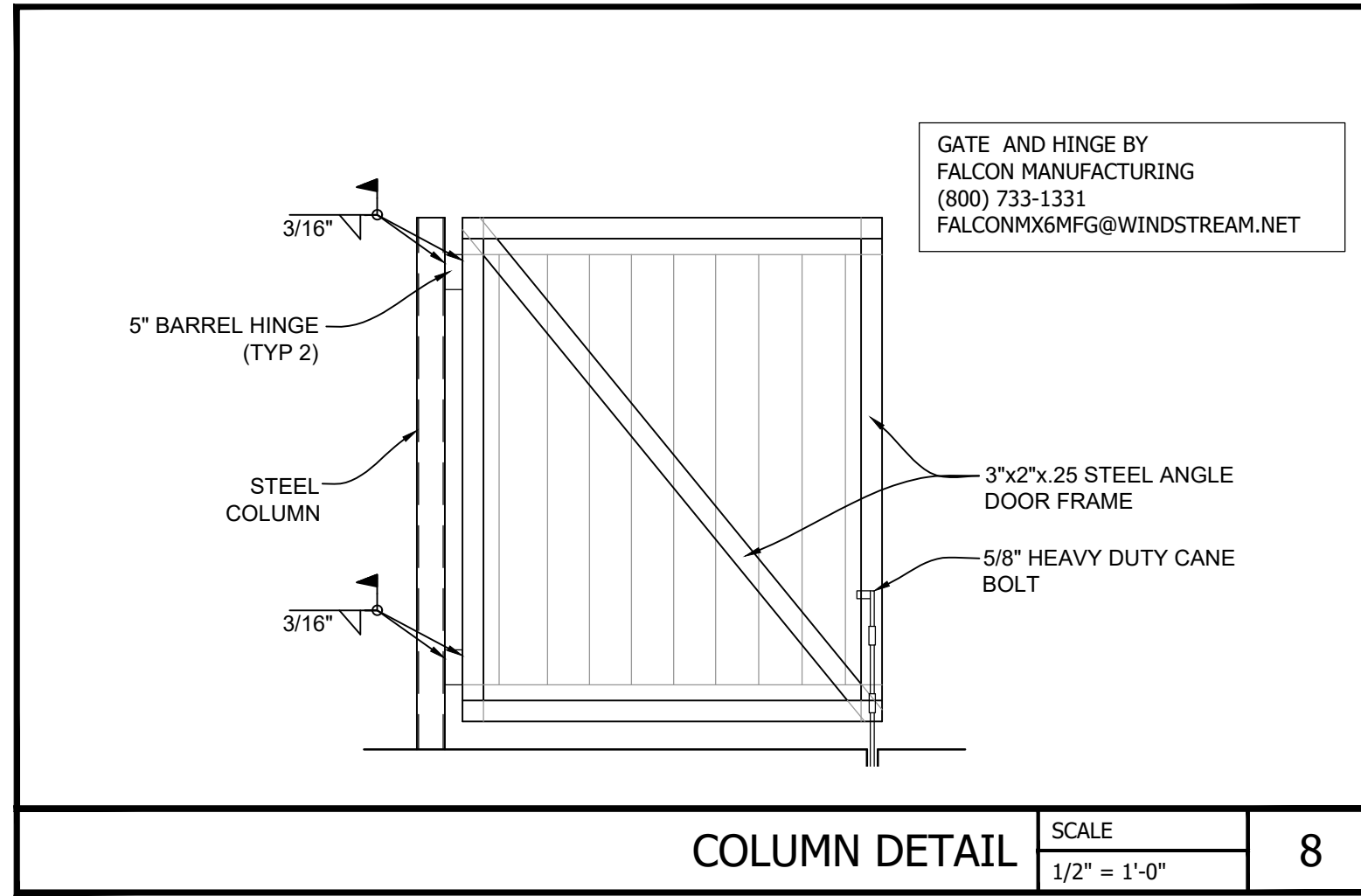
SHADED TABLES SCALE N.T.S. 9



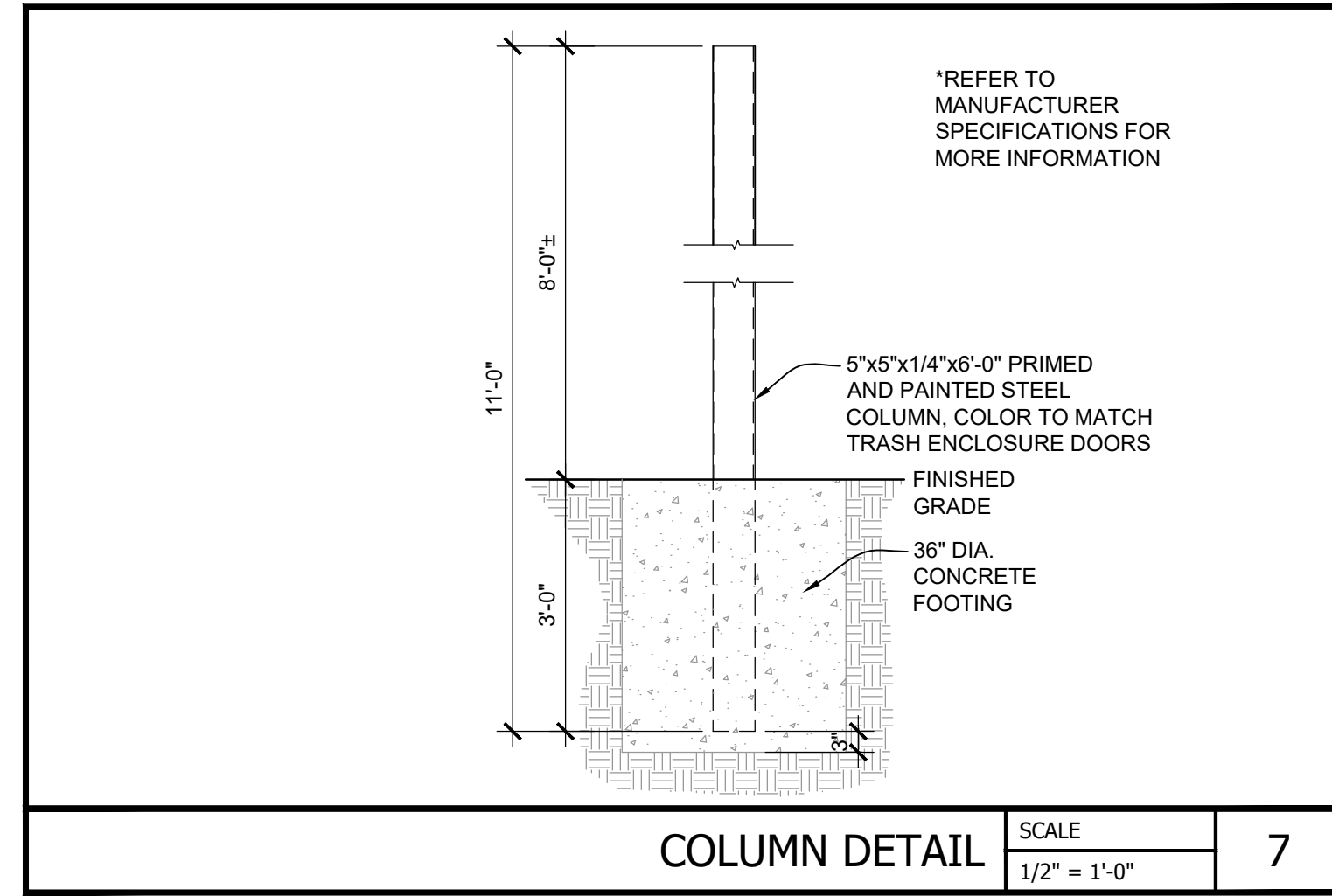
BOLLARD DETAIL SCALE 1/2" = 1'-0" 5



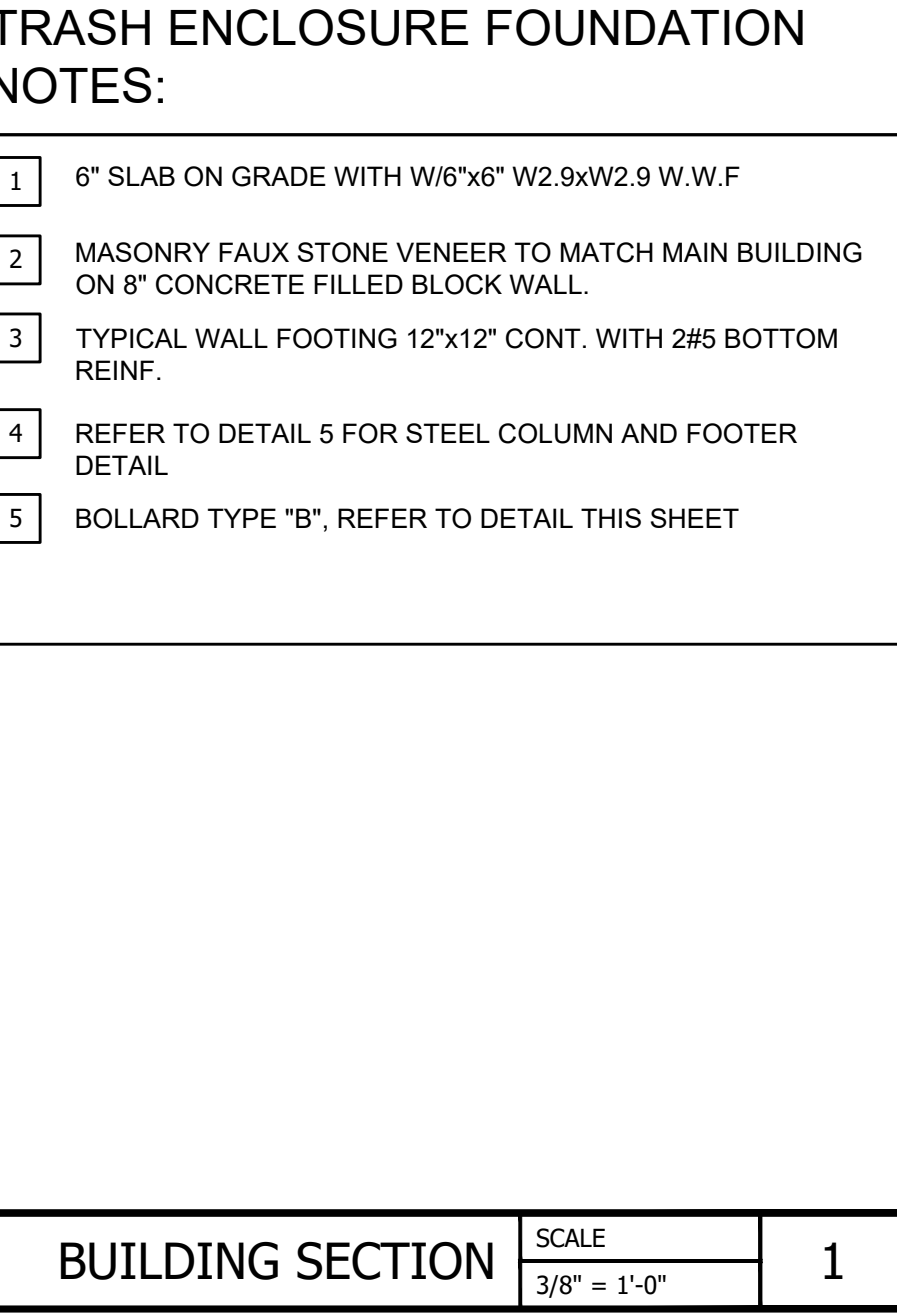
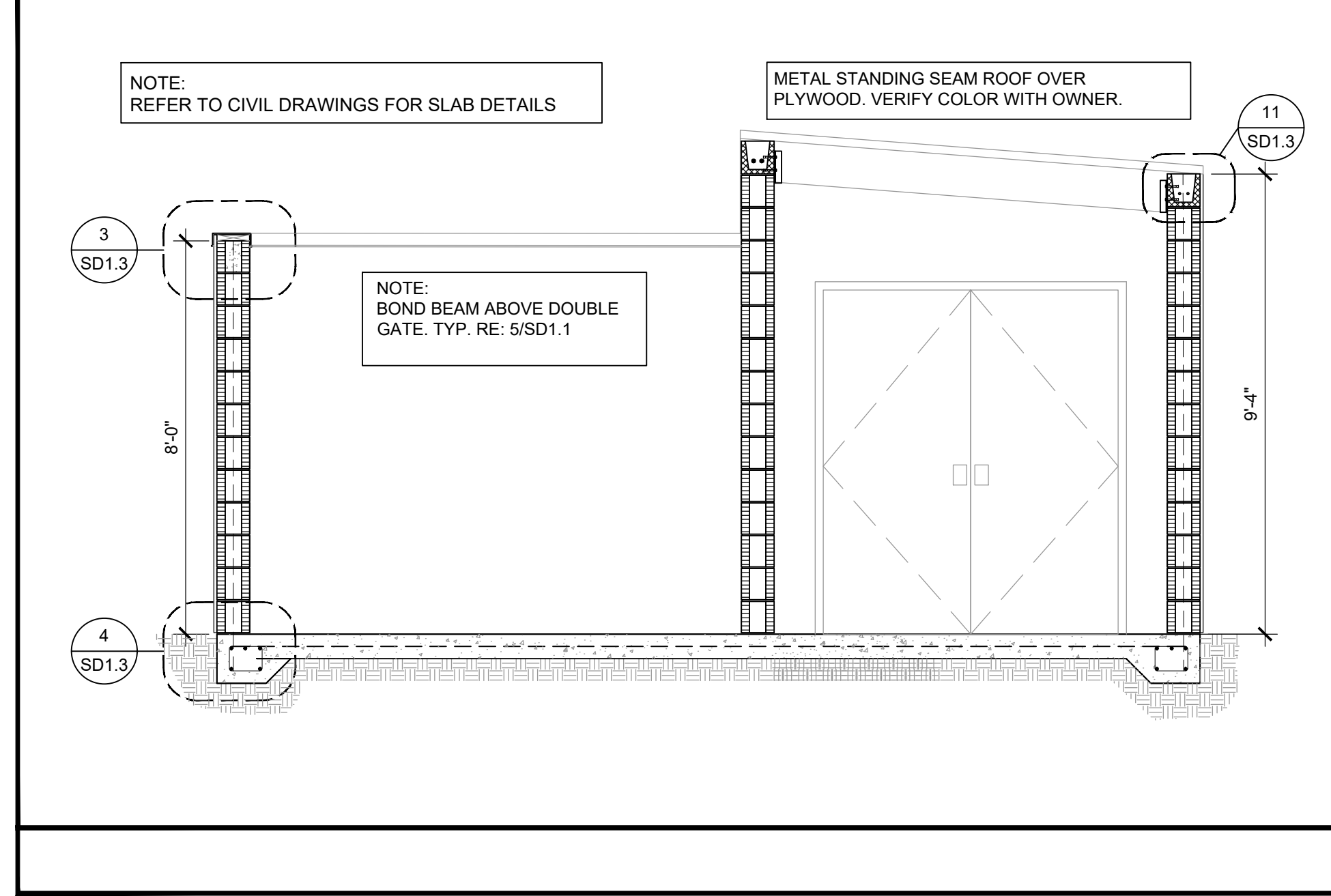
FOUNDATION PLAN SCALE 1/4" = 1'-0" 2



COLUMN DETAIL SCALE 1/2" = 1'-0" 8



COLUMN DETAIL SCALE 1/2" = 1'-0" 7



BUILDING SECTION SCALE 3/8" = 1'-0" 1

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	08/22/2022

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CEFCO #435 - LOXLEY
HIGHWAY 90 & HIGHWAY 59
CITY OF LOXLEY, BALDWIN COUNTY, ALABAMA

Sheet Title
TRASH ENCLOSURE SECTION AND DETAILS

Project No. 170-82.00
Date AS NOTED
Scale AS NOTED

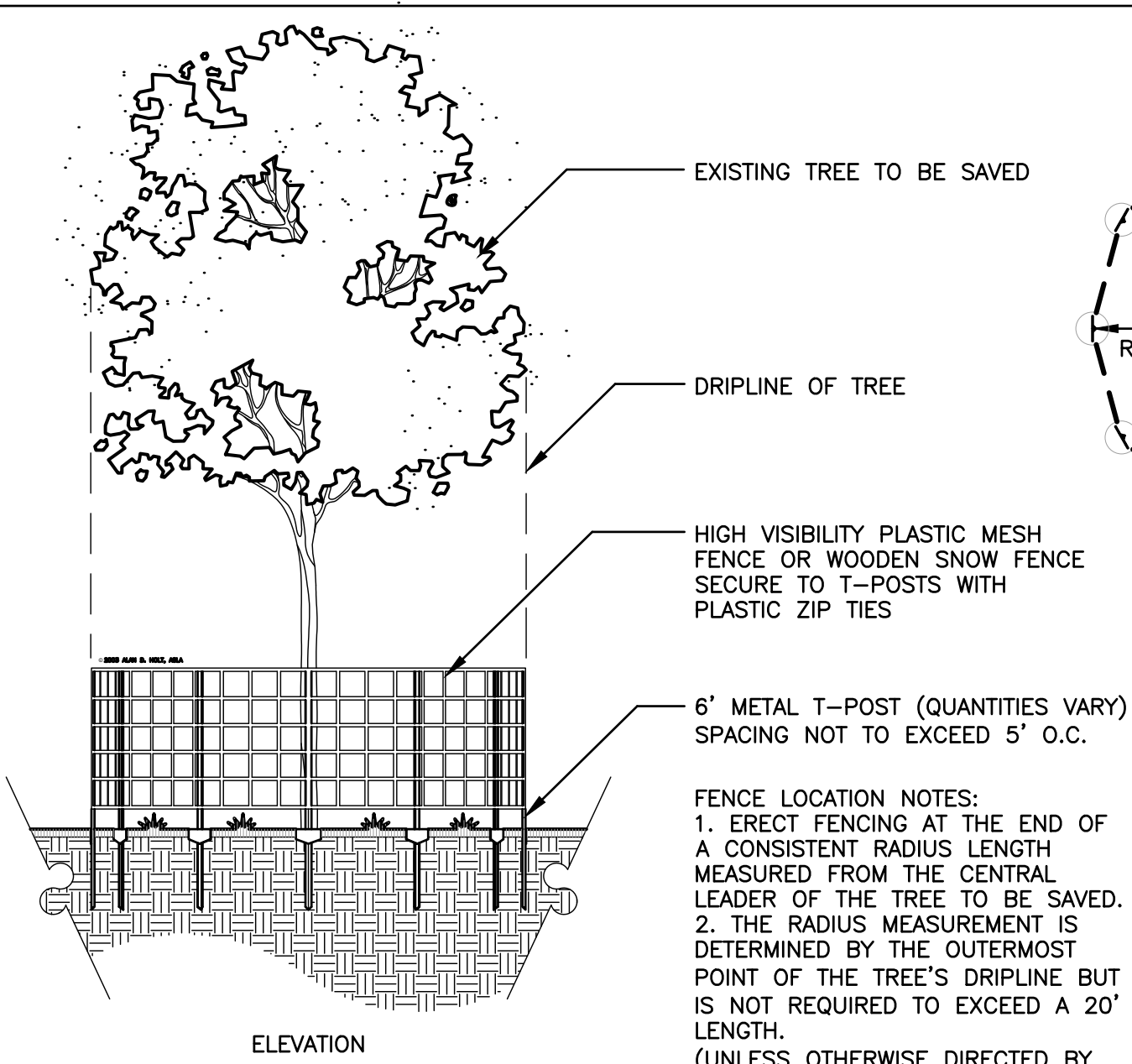
Sheet
SD1.3

LANDSCAPE NOTES:

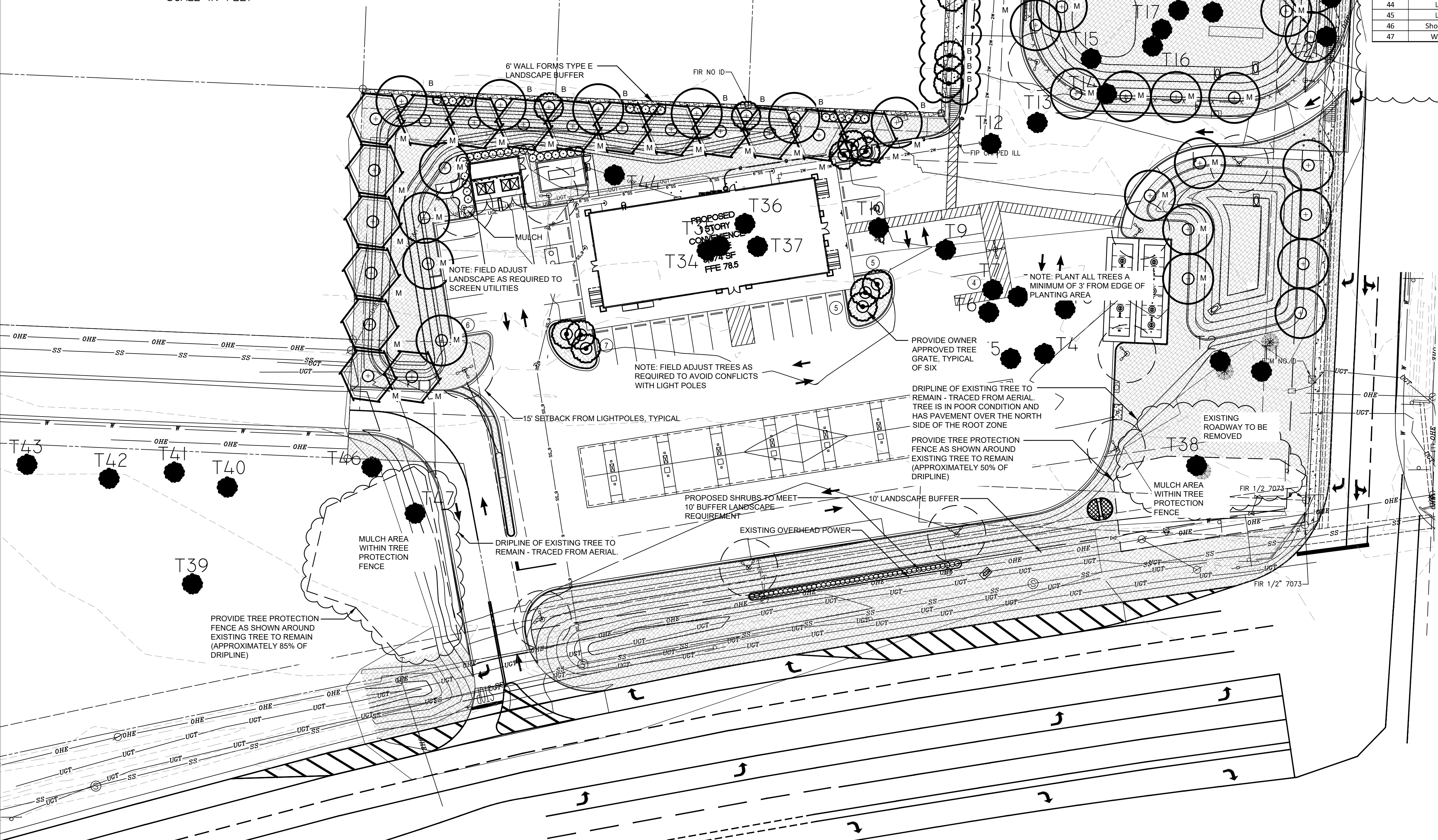
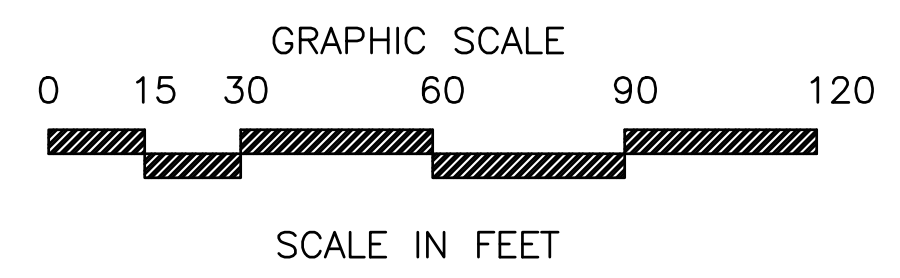
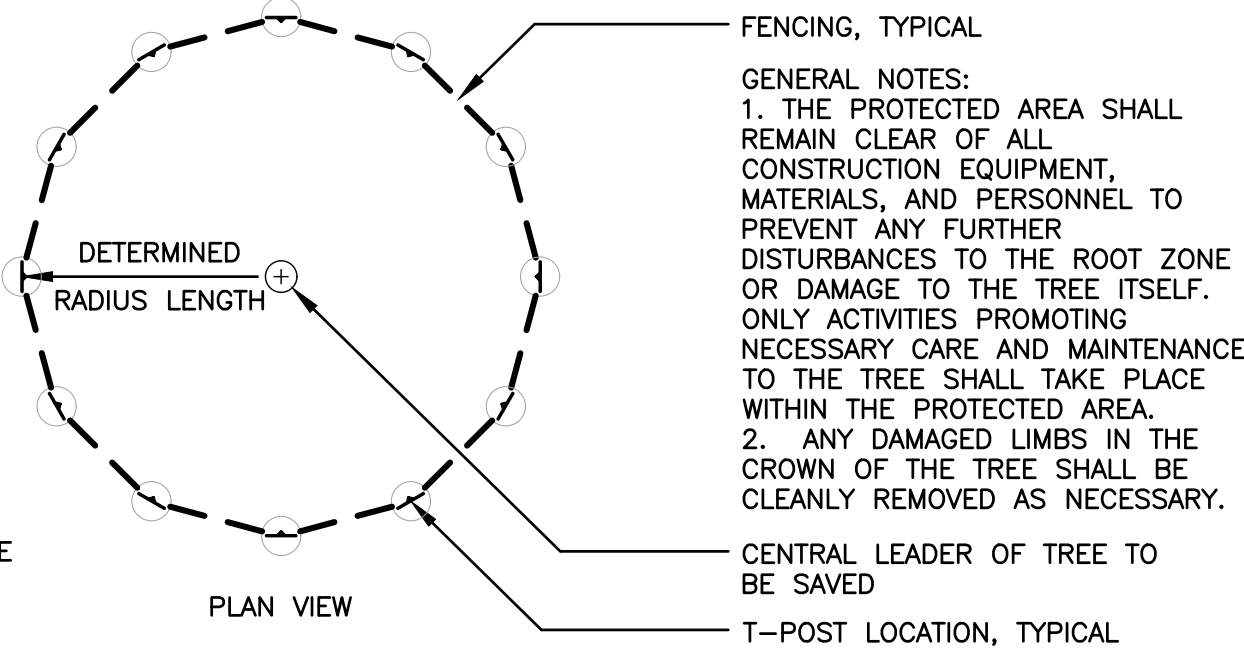
- LOCATE ALL UTILITIES BEFORE DIGGING. PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
- ELIMINATE EXISTING VEGETATION IN AREAS TO BE PLANTED. SPRAY WITH ROUNDUP AT MANUFACTURER'S RECOMMENDED RATE TWICE IN 14 DAYS.
- TOP DRESS ALL AREAS TO RECEIVE PLANTINGS WITH 2" FINISHED MUSHROOM COMPOST PRIOR TO PLANTING.
- ALL PLANT MATERIAL FLORIDA #1 OR BETTER.
- FERTILIZE ALL PLANTINGS WITH OSMOCOTE OR OTHER APPROVED SLOW RELEASE FERTILIZER AT MANUFACTURER'S RECOMMENDED RATE BEFORE MULCHING.
- APPLY PREEN OR OTHER APPROVED PRE-EMERGENT HERBICIDE TO ALL PLANTING AREAS BEFORE MULCHING.
- MULCH ALL AREAS OF TREE, SHRUB AND GROUNDCOVER MASS PLANTINGS WITH 3" PINESTRAW MULCH.
- QUANTITIES SHOWN IN PLANT LIST ARE FOR CONTRACTOR'S CONVENIENCE. VERIFY ALL PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST.
- B&B MATERIAL MAY BE SUBSTITUTED FOR CONTAINER GROWN MATERIAL PROVIDED IT EXCEEDS THE MINIMUM SIZES NOTED.
- SOD ALL DISTURBED AREAS WITH SPECIES SHOWN ON PLAN.
- WARRANTY ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE.

IRRIGATION NOTES:

- AUTOMATIC IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS.
- CONTRACTOR RESPONSIBLE FOR LOCATING AND SUPPLYING ELECTRICAL POWER TO CONTROLLER.
- CONTRACTOR TO PROVIDE AND PAY FEES FOR SEPARATE IRRIGATION METER.
- PROVIDE BACKFLOW PREVENTION PER CITY REQUIREMENTS.
- PROVIDE RAIN SHUT OFF DEVICE PER FLA. STATE LAW.



1 TREE PROTECTION DETAIL
SCALE: NOT TO SCALE



Tree ID #	Common name	Scientific name	DBH(inches)	Replacement	Disposition	Notes
1	Water Oak	Quercus nigra	34.0		Remove	Not Protected
2	Water Oak	Quercus nigra	29.7		Remove	Not Protected, Multistem
3	Water Oak	Quercus nigra	51.0		Remove	Not Protected
4	Live Oak	Quercus virginiana	36.0	7.0	Remove	
5	American Sweet Gum	Liquidambar styraciflua	23.0		Remove	Not Protected
6	Live Oak	Quercus virginiana	35.0	7.0	Remove	
7	Live Oak	Quercus virginiana	26.5	6.0	Remove	
8	Live Oak	Quercus virginiana	33.0	7.0	Remove	
9	Live Oak	Quercus virginiana	35.5	7.0	Remove	
10	Live Oak	Quercus virginiana	45.0	9.0	Remove	
11	Live Oak	Quercus virginiana	33.5	7.0	Remove	
12	Live Oak	Quercus virginiana	31.5	7.0	Remove	
13	Live Oak	Quercus virginiana	38.5	8.0	Remove	
14	Live Oak	Quercus virginiana	40.0	8.0	Remove	
15	Water Oak	Quercus nigra	34.5		Remove	Not Protected
16	Water Oak	Quercus nigra	29.0		Remove	Not Protected
17	Live Oak	Quercus virginiana	35.5	7.0	Remove	Multistem
18	Live Oak	Quercus virginiana	26.5	6.0	Remove	
19	Live Oak	Quercus virginiana	19.5	5.0	Remove	
20	Live Oak	Quercus virginiana	38.0	8.0	Remove	
21	Laurel Oak	Quercus laurifolia	24.0		Remove	Not Protected
22	Laurel Oak	Quercus laurifolia	32.2		Remove	Not Protected, Multistem
23	Live Oak	Quercus virginiana	45.0	9.0	Remove	
24	Live Oak	Quercus virginiana	23.2	5.0	Remove	Multistem
25	Live Oak	Quercus virginiana	30.5	6.0	Remove	
26	Live Oak	Quercus virginiana	43.3	8.0	Remove	Multistem
27	Laurel Oak	Quercus laurifolia	28.0		Remove	Not Protected
28	Live Oak	Quercus virginiana	29.5	6.0	Remove	
29	Live Oak	Quercus virginiana	22.5	5.0	Remove	
30	Live Oak	Quercus virginiana	25.0	6.0	Remove	
31	Live Oak	Quercus virginiana	25	6	Remove	
32	Laurel Oak	Quercus laurifolia	13.6		Remove	Not Protected, Multistem
33	Live Oak	Quercus virginiana	28	6	Remove	
34	Water Oak	Quercus nigra	22		Remove	Not Protected
35	American Sweet Gum	Liquidambar styraciflua	14.5		Remove	Not Protected
36	Water Oak	Quercus nigra	18.0		Remove	Not Protected
37	Live Oak	Quercus virginiana	71.0	13.0	Remove	Heritage
38	Live Oak	Quercus virginiana	71.0	-12.0	Protect	Heritage
39	Live Oak	Quercus virginiana	69		Offsite	Heritage
40	Live Oak	Quercus virginiana	42.3		Offsite	
41	Live Oak	Quercus virginiana	41.0		Offsite	
42	Live Oak	Quercus virginiana	55.0		Offsite	Heritage
43	Live Oak	Quercus virginiana	58		Offsite	Heritage
44	Live Oak	Quercus virginiana	49	9	Remove	Heritage
45	Live Oak	Quercus virginiana	24	5	Remove	
46	Shortleaf Pine	Pinus echinata	22		Offsite	
47	Water Oak	Quercus nigra	48		Offsite	Heritage

Replacement provided on site	171	inches
	82	inches
Pay to tree fund	89	inches
	\$32,195	

LANDSCAPE LEGEND

- GROUNDCOVER**
- 75,500± S.F. INCLUDING 10% FOR WASTE BERMUDA 419' SOD
 - CYANODON DACTYLON 'TIFF 419' 1,600± S.F. INCLUDING 10% FOR WASTE
 - PRECAST CONCRETE PAVERS COMMERCIALY AVAILABLE 4X8 PAVERS
 - 12 VARIEGATED FLAX LILY DIANELLA TASMANICA 'VARIEGATA' 1 GAL. 3" O.C.
- SHRUBS**
- 44 DWARF YAUPON HOLLY ILEX VOMITORIA 'NANA' 3 GAL. 12" HEIGHT MINIMUM 30" O.C.
 - 38 'SWEET' VIBURNUM VIBURNUM ODORATISSIMUM 3 GAL. 4" O.C.
- UNDERSTORY TREES**
- 2 SOUTHERN MAGNOLIA MAGNOLIA GRANDIFLORA 8' HEIGHT
- CANOPY TREES**
- 18 CABBAGE PALM SABAL PALMETTO 10-14' HEIGHT STAGGERED
 - 42 BALD CYPRESS TAXODIUM DISTICHUM 3" CAL. (2" MIN. DBH)
 - 17 'BOSQUE' ELM JILMUS PARVIFOLIA 'UPMTF' 3" CAL. (2" MIN. DBH)
- MITIGATION TREE**
- B = BUFFER TREE
 - M = MITIGATION TREE
 - 38 TOTAL MITIGATION TREES

LANDSCAPING REQUIREMENTS

PERIMETER BUFFERS ADJACENT TO PUBLIC R.O.W. (TREE REQUIREMENT = 1 TREE PER 40' LINEAR FT. BUFFER LENGTH)

PROPERTY LINE	LENGTH	BUFFER REQUIREMENT	TREES REQUIRED	TREES PROVIDED
NORTH	156'	MIN. 10' WIDE PLANTING STRIP	156/40=4	4 TREES
SOUTH	407'	MIN. 10' WIDE PLANTING STRIP	11	44 SHRUBS
EAST	294'	MIN. 10' WIDE PLANTING STRIP	294/40=8	8 TREES
WEST				

10' LANDSCAPE BUFFER - NORTH		
REQUIRED	REQUIRED	PROVIDED
PER 100 L.F. BUFFER	FOR 300 L.F. BUFFER	
1.8 CANOPY TREES	6 CANOPY TREES	6 CANOPY TREES
8 UNDERSTORY TREES	2 UNDERSTORY TREES	2 UNDERSTORY TREES
6 SHRUBS	18 SHRUBS	18 SHRUBS

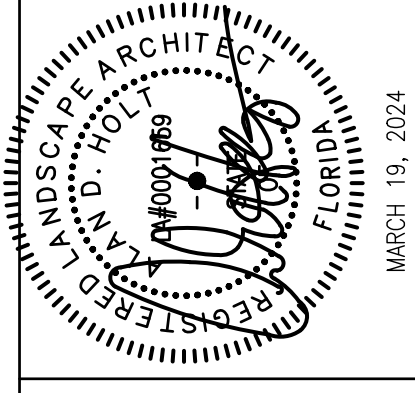
PARKING AREA INTERIOR LANDSCAPING (TREE REQUIREMENT = 1 TREE PER 12 PARKING SPACES)

TOTAL SPACES	TREES REQUIRED	TREES PROVIDED
35	3	3

23028-CEFCO SPENCER FIELD
© 2023 ALAN D. HOLT, ASLA
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FL LA #1659
PO BOX 2549 PANAMA CITY, FL 32402
TELEPHONE: (850)914-9006 E-MAIL: alan@alanholtasla.com

CEFCO SPENCER FIELD
FOR THE FIKES COMPANY
SPENCER FIELD AND 10, SANTA ROSA COUNTY, FL

DATE	ISSUE/REVISION
03/11/23	CONSTRUCTION SET
06/15/23	ADD EXIST. TREES
08/24/23	PER COMMENTS
12/15/23	PER COMMENTS
01/15/24	PER COMMENTS
03/07/24	PER COMMENTS
03/19/24	PER COMMENTS



LANDSCAPE PLAN SHEET NUMBER

LP1

PROPOSED CONSTRUCTION DOCUMENTS FOR

CEFCO #426

90 WEST SPENCER FIELD ROAD
PACE, FL 32571

NOVEMBER 14, 2022

INFINITY PROJECT #: 170-84.00

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PXC63MPT183L P203P2X108

FBC CODE: 2020 FBC

DATE: 02/03/2023



No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/11/2023



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SHEET INDEX

GENERAL		STRUCTURAL		MECHANICAL		TANK DRAWING	
CS0.0	COVER SHEET	S1.0	STRUCTURAL GENERAL NOTES	M0.1	MECHANICAL NOTES AND SPECIFICATIONS	T0.1	FUEL PRODUCT SPECIFICATIONS
		S1.1	STRUCTURAL GENERAL NOTES	M0.2	MECHANICAL LEGEND AND SCHEDULES	T0.2	FUEL PRODUCT SPECIFICATIONS
ARCHITECTURAL		S2.0	FOUNDATION PLAN	M0.3	MECHANICAL VENTILATION SCHEDULES	T1.0	FUEL SYSTEM SITE PLAN
A1.0	LIFE SAFETY PLAN	S3.0	ROOF FRAMING PLAN	M1.0	MECHANICAL DETAILS	T2.0	FUEL PIPING LAYOUT
AN2.0	ADA DETAILS	S4.0	BUILDING ELEVATIONS	M2.0	MECHANICAL PROPOSED PLAN	T3.0	LONGITUDINAL SECTION AND PIPING DETAIL
AN2.1	ARCHITECTURAL INFORMATION	S5.0	BUILDING ELEVATIONS	M3.0	MECHANICAL PROPOSED ROOF PLAN	T4.0	TANK INSTALLATION PLAN AND EQUIPMENT PLAN
AN3.0	PERFORMANCE SPECIFICATIONS	SD1.0	FOUNDATION DETAILS	MC0.1	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T5.0	TANK INSTALLATION PLAN AND EQUIPMENT PLAN
AN3.1	PERFORMANCE SPECIFICATIONS	SD1.1	TRASH ENCLOSURE FLOOR PLAN AND DETAILS	MC0.2	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T6.0	STANDARD TANK HOLD DOWN DETAILS & PIPING DETAILS
A2.0	FLOOR PLAN	SD1.2	TRASH ENCLOSURE EXTERIOR ELEVATIONS	MC0.3	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T7.0	DETAILS
A3.0	EQUIPMENT PLAN AND SCHEDULE	SD1.3	TRASH ENCLOSURE SECTION AND DETAILS	MC0.4	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T8.0	DETAILS
A3.1	LOW VOLTAGE CABLING PLAN	SD1.4	GENERATOR ENCLOSURE FLOOR PLAN AND DETAILS	MC0.5	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T9.0	ELECTRICAL FUEL NOTES AND LEGEND
A4.0	REFLECTED CEILING PLAN	SD1.5	GENERATOR ENCLOSURE EXTERIOR ELEVATIONS	MC0.6	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T10.0	FUEL SYSTEM ELECTRIC SITE PLAN
A5.0	FINISH PLAN	SD1.6	GENERATOR ENCLOSURE SECTION AND DETAILS	MC0.7	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T10.1	ENLARGED ELECTRICAL TANK PLANS
A6.0	ROOF PLAN	SD2.0	STEEL FRAMING DETAILS	MC0.8	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T10.2	ENLARGED ELECTRICAL FUEL STATION PLANS
A6.1	ROOF DETAILS	SD3.0	STEEL FRAMING DETAILS	MC0.9	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T11.0	TANK ELECTRICAL DETAILS
A7.0	EXTERIOR ELEVATIONS	SD4.0	ROOF FRAMING DETAILS	MC1.0	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T11.1	TANK ELECTRICAL DETAILS
A7.1	BUILDING SECTION	SD4.1	ROOF FRAMING DETAILS	MC1.1	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	T12.0	HAZARDOUS AREA CLASSIFICATION DETAILS
A8.0	WALL SECTIONS	SD5.0	LIGHT GAUGE DETAILS	MC1.2	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS		
A8.1	WALL SECTIONS	SD6.0	MISC. DETAILS	MC1.3	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS		
A8.2	WALL SECTIONS						
A8.6	WALL SECTION DETAILS						
A9.0	DOOR SCHEDULE						
A9.1	PARTITION TYPES AND CONSTRUCTION DETAILS						
ELECTRICAL		PLUMBING		CANOPY			
A10.0	ENLARGED RESTROOM PLAN AND ELEVATIONS	E0.0	ELECTRICAL GENERAL NOTES AND LEGEND	P0.1	PLUMBING SPECIFICATIONS, LEGENDS AND NOTES	CS1	CANOPY STRUCTURAL NOTES AND PLANS
A11.0	INTERIOR ELEVATIONS	E0.1	ELECTRICAL SPECIFICATIONS	P0.2	PLUMBING DETAILS AND SCHEDULES	CS2	CANOPY STRUCTURAL SECTIONS AND DETAILS
A11.1	INTERIOR ELEVATIONS	E1.0	ELECTRICAL SITE PLAN	P0.3	PLUMBING ISOMETRIC DIAGRAMS - SANITARY & VENT	AB1	CANOPY FOUNDATION SECTIONS AND DETAILS
A11.2	INTERIOR ELEVATIONS MATERIAL LIST	E1.1	CANOPY LIGHTING PLAN	P0.4	PLUMBING ISOMETRIC DIAGRAMS - DOMESTIC WATER		
A12.0	GAS CANOPY PLAN AND ELEVATIONS	E2.0	CEFCO ELECTRICAL LIGHTING PLAN	P1.0	PLUMBING PROPOSED PLAN - SANITARY & VENT		
A12.1	GAS CANOPY DETAILS	E2.1	ELECTRICAL LIGHTING DETAILS	P2.0	PLUMBING PROPOSED PLAN - DOMESTIC WATER		
		E3.0	CEFCO ELECTRICAL POWER PLAN	P3.0	PLUMBING PROPOSED ROOF PLAN		
		E3.1	CEFCO UNDERSLAB ELECTRICAL PLAN	P4.0	PLUMBING PROPOSED PLAN - NATURAL GAS		
		E3.2	CEFCO ELECTRICAL EQUIPMENT PLAN				
		E4.0	CEFCO ELECTRICAL ROOF PLAN				
		E5.0	ELECTRICAL DETAILS				
		E5.1	ELECTRICAL DETAILS				
		E5.2	ELECTRICAL DETAILS				
		E6.0	CEFCO ELECTRICAL RISER DIAGRAM				
		E7.0	CEFCO ELECTRICAL PANEL SCHEDULES				
		E7.1	CEFCO ELECTRICAL PANEL SCHEDULES				

FLORIDA PRODUCT APPROVAL INFORMATION		
PRODUCT CATEGORY / SUBCATEGORY	MANUFACTURER	APPLICATION NUMBER
STOREFRONT PANEL	OLD CASTLE BUILDING ENVELOPE, INC.	FL 20665.1 R3
EXTERIOR DOOR / SWINGING EXTERIOR DOOR ASSEMBLIES	OLD CASTLE BUILDING ENVELOPE, INC.	FL 17692.1 R5
EXTERIOR STEEL DOOR	QUALITY ENGINEERED PRODUCT CO. INC.	NOA 19-0507.03
FIXED WINDOW	EUROTECH INDUSTRIES, INC.	NOA 20-1203.09
SINGLE PLY ROOFING SYSTEM	FIRESTONE BUILDING PRODUCT COMPANY	NOA 17-0727.01

VICINITY MAP



PROJECT TEAM



DESIGN TEAM



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NISIT SAPPARKHAO, P.E.
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Date
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

COVER SHEET

Project No.
170-84.00

Sheet

Date
AS NOTED

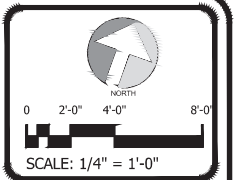
Scale
AS NOTED

CS0.0

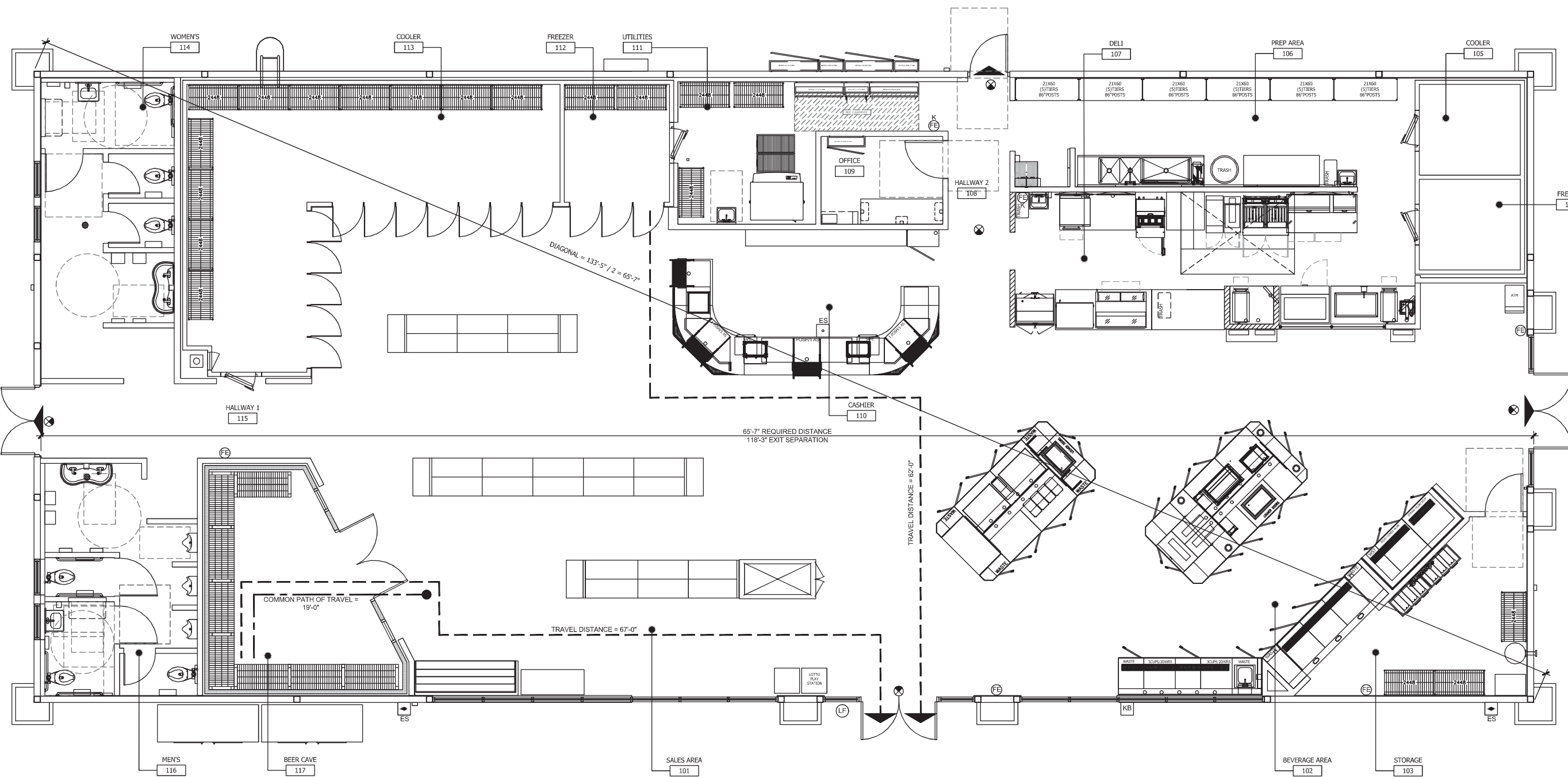
SYMBOLS LEGEND		PLUMBING FIXTURE REQUIREMENTS					BUILDING AREA		CODE ANALYSIS		
SYMBOL	DESCRIPTION	MINIMUM NUMBER OF PLUMBING FIXTURES: FBC-PLUMBING (TABLE 403.1)					C-STORE	SF	C-STORE		
		WATER CLOSETS	LAVS	DRINKING FOUNTAINS	BATH / SHOWER	OTHER	SALES AREA - M	3,150	OCCUPANCY GROUP	M - MERCANTILE	
	EGRESS WIDTH	1:500	1:750	1:1000	-	1 SERVICE SINK	WALK-IN COOLER/FREEZER - M	570	OCCUPANCY GROUP	S - ACCESSORY	
	EMERGENCY EXIT SIGN (DIRECTIONAL) WITH BATTERY BACKUP	REQUIRED	1	1	1	0	BEER CAVE - M	255	CONSTRUCTION TYPE	IIB (UNPROTECTED)	
	NOTICE / WARNING SIGN FOR LIGHT-FRAME TRUSS TYPE CONSTRUCTION PER FBC	PROVIDED	6 WC & 3 URINALS	6	0	0	RESTROOMS - S	539	OCCUPANT LOAD	86	
	FIRE EXTINGUISHER-BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL 3-A-40-B-C	*NOTE: SINGLE-USE CONTAINERS WILL BE AVAILABLE FOR CUSTOMERS AND EMPLOYEES TO ACCESS WATER FROM BEVERAGE MACHINE(S)					PREP AREA - M	380	WIND LOAD : PER FBC 1609, WIND LOAD = 140 MPH		
	FIRE EXTINGUISHER-BRACKET MOUNTED, KITCHEN UL 711A	APPLICABLE CODES 2020 FLORIDA BUILDING CODE 7TH EDITION 2020 FLORIDA EXISTING BUILDING CODE 7TH EDITION 2020 FLORIDA ACCESSIBILITY CODE 7TH EDITION 2020 FLORIDA PLUMBING CODE 7TH EDITION 2020 FLORIDA MECHANICAL CODE 7TH EDITION 2020 FUEL GAS CODE 7TH EDITION 2020 FLORIDA ENERGY CONSERVATION CODE 7TH EDITION 2020 FLORIDA FIRE PREVENTION CODE 7TH EDITION 2017 NATIONAL ELECTRICAL CODE (NFPA 70)					STORAGE - S	197	MAXIMUM EXIT ACCESS TRAVEL DISTANCE		200'
	EMERGENCY PUSH-BUTTON SHUT-OFF SWITCH FOR FUEL SYSTEM, NFPA AND SIGNAGE @ 42" AFG						UTILITIES - S	192	MAXIMUM COMMON PATH OF TRAVEL		75'
	KNOX BOX INSTALLED AS PER FIRE MARSHALL'S SPECIFICATIONS	OFFICE - M	71	EXITS REQUIRED		2 REQUIRED					
	DIAGONAL DISTANCE AND EXIT REMOTENESS	CASHIER AREA - M	233	EXITS PROVIDED		4 PROVIDED					
	MAXIMUM TRAVEL DISTANCE / PATH OF TRAVEL FROM THE MOST REMOTE POINT TO NEAREST EXIT	DELI - M	233	OCCUPANCY (CONVENIENCE STORE)		OCCUPANT LOAD					
	COMMON PATH OF TRAVEL	COOLER/FREEZER COMBO - S	154	M-MERCANTILE	4,892 SF	1 PER 60 SF GROSS	82				
	CHOICE OF EXIT			S-ACCESSORY	1,082 SF	1 PER 300 SF GROSS	4				
	PRIMARY EXIT	GROSS BUILDING	5,974	SUBTOTAL	5,974 SF		86				

REVIEWED FOR CODE COMPLIANCE

EXAMINER: PX2554PK11B3L1P030PK2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/15/2023



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NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

Project Name and Address:
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

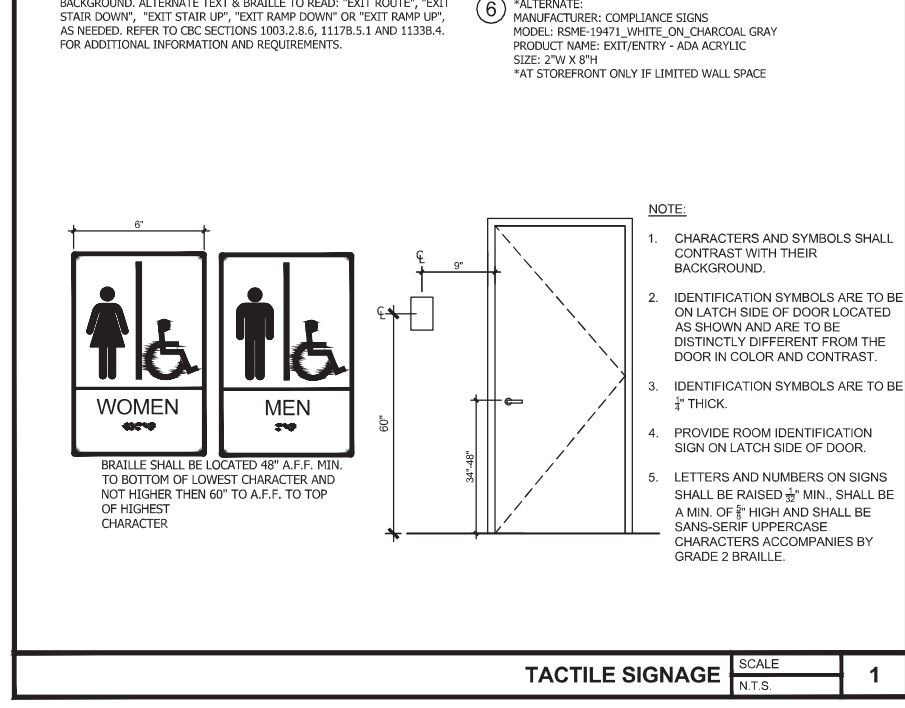
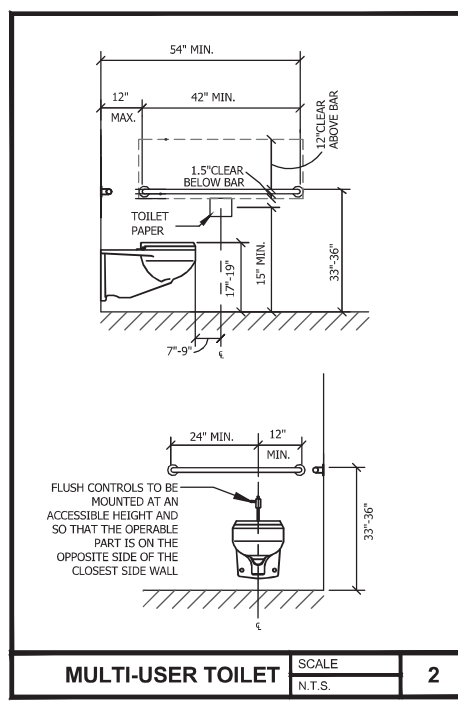
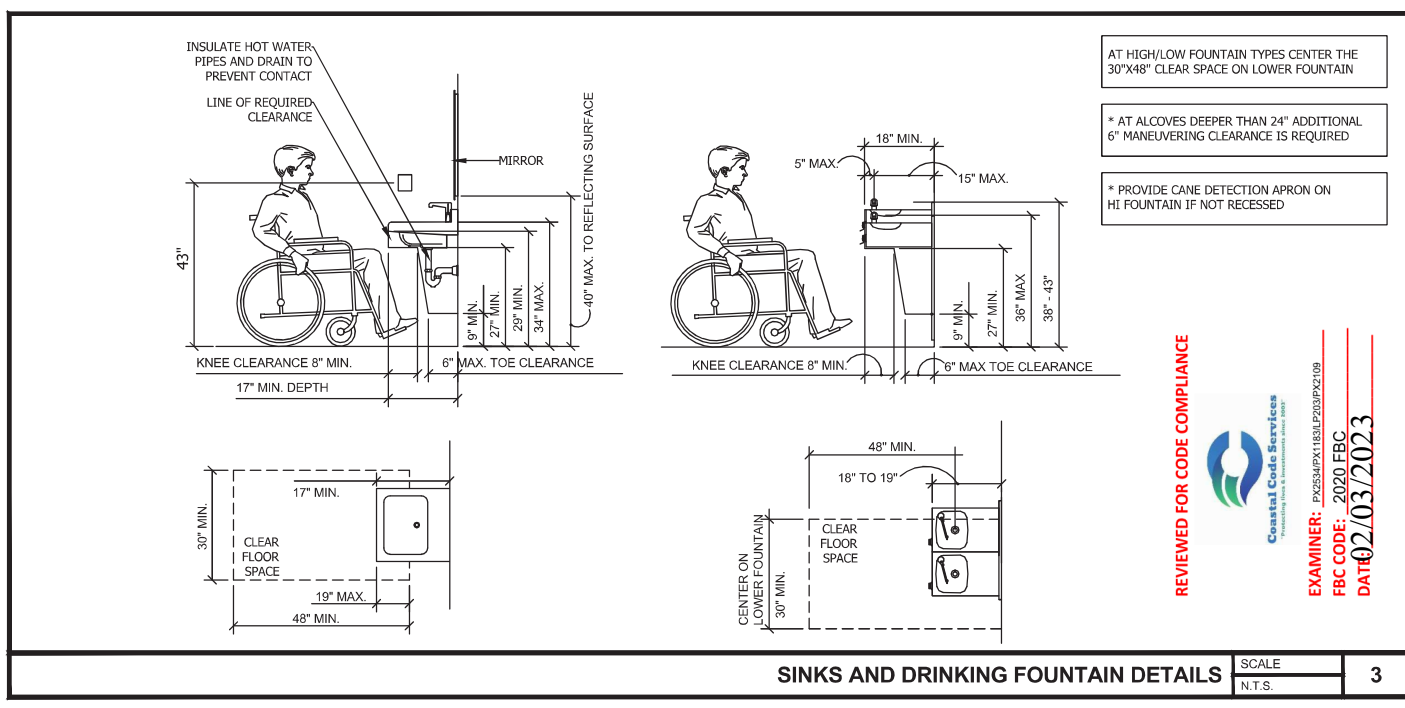
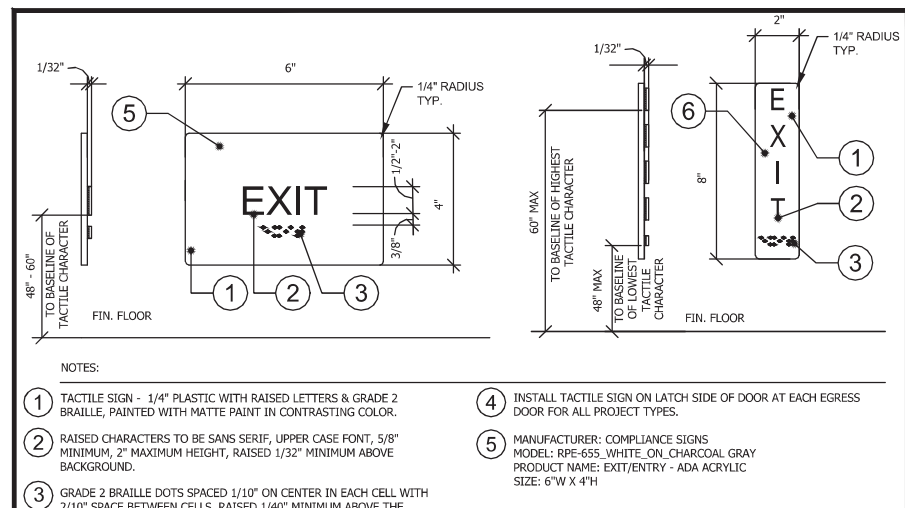
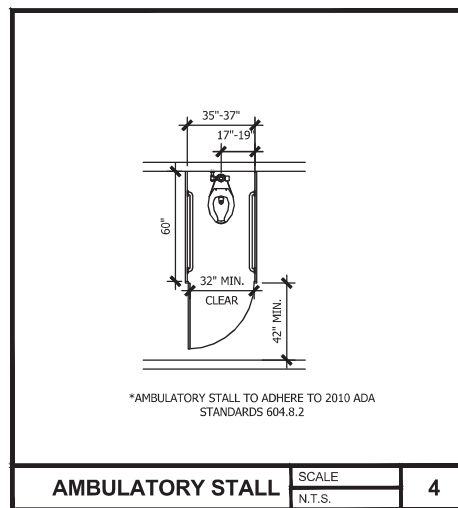
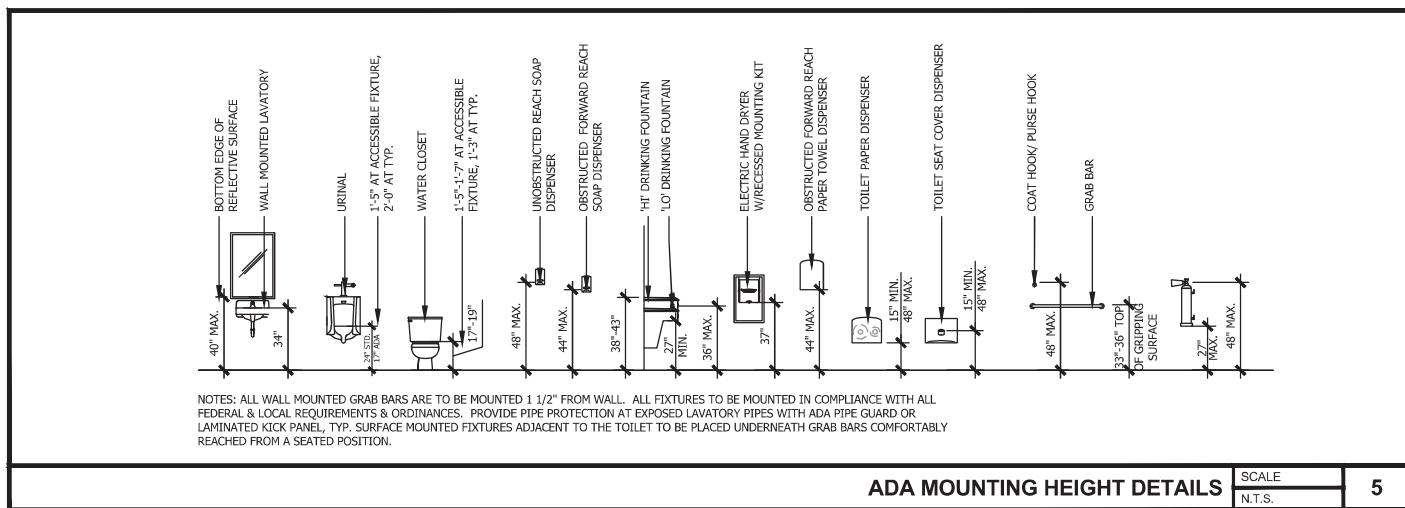
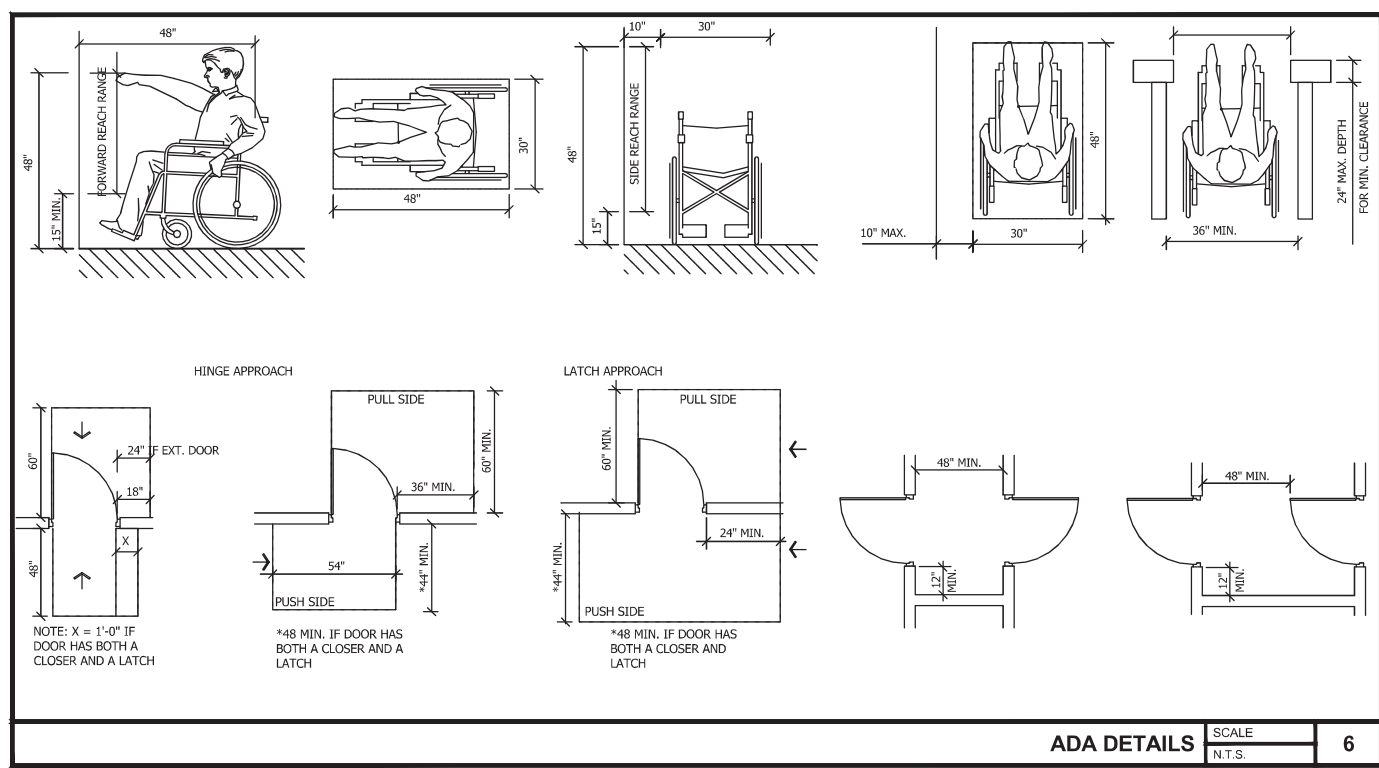
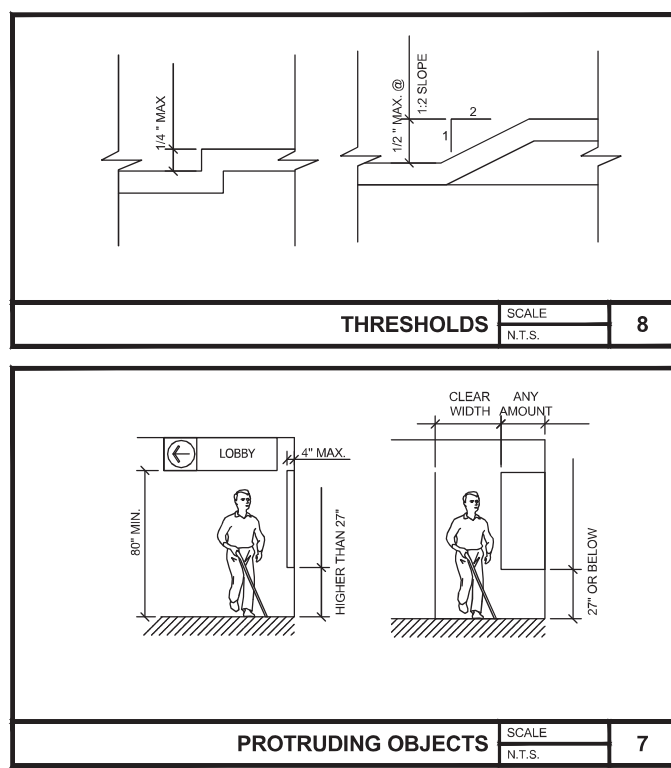
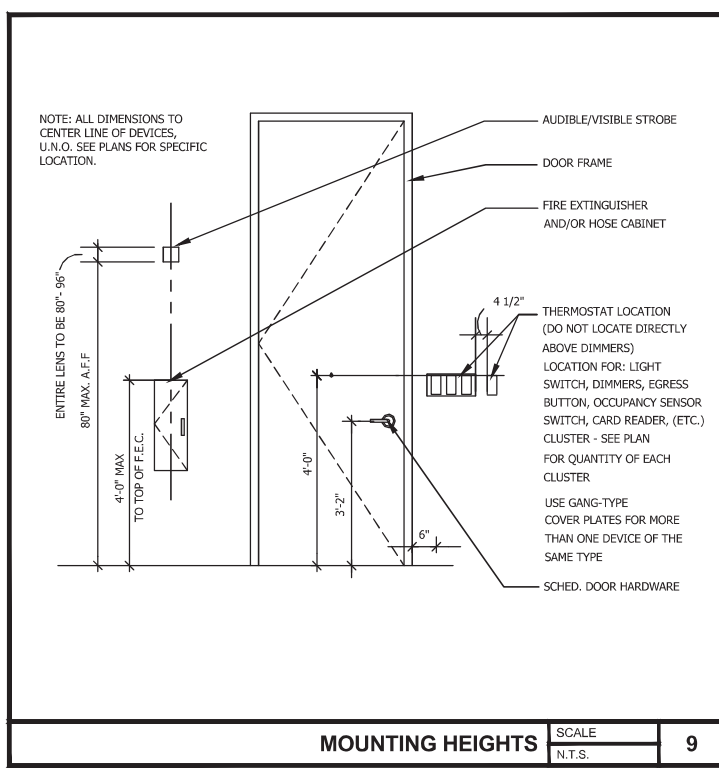
Sheet Title:
LIFE SAFETY PLAN

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
AN1.0



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Date: 11/14/2022

ISSUE FOR PERMIT: 1

Revision/Issue: No.

Project Name and Address: **CEFCO #426 - PACE** 90 WEST SPENCER FIELD ROAD PACE, FL 32571

Project No: 170-84-00

Date: AS NOTED

Scale: AS NOTED

Sheet Title: **ADA DETAILS**

Sheet No: **AN2.0**

DEMOLITION NOTES

- 1. CONTRACTOR TO DEMOLISH AND REMOVE ALL TRACES FROM SITE OF ALL EXISTING STRUCTURES ABOVE GROUND (AND BELOW GROUND AS INDICATED ON DRAWINGS) NOT NOTED AS REMAINING OR RELOCATED. DISREGARD THIS NOTE IF NO DEMOLITION IS INDICATED ON DRAWINGS.
2. GENERAL CONTRACTOR TO PROVIDE AND MAINTAIN ALL FENCES, BARRICADES, LIGHTS, SHORING AND OTHER PROTECTIVE DEVICES NECESSARY FOR THE SAFETY OF WORKMEN, EQUIPMENT, THE PUBLIC AND PROPERTY AS REQUIRED BY STATE AND FEDERAL LAWS AND REGULATIONS AND LOCAL ORDINANCES. MAKE PROVISIONS TO CLOSE AND LOCK THE BUILDING AS SOON AS IT IS POSSIBLE TO DO SO. PROTECT ALL DOOR OPENINGS, WHEN NECESSARY, WITH TEMPORARY BATTEN DOORS. COVER WINDOWS AND OPENINGS WITH SUITABLE MATERIALS WHEN WEATHER CONDITIONS REQUIRE.
3. THE SITE OF THIS OPERATION SHALL BE FULLY PROTECTED AS REQUIRED BY LOCAL AUTHORITIES. WARNING SIGNS, BARRICADES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR.
4. GENERAL CONTRACTOR TO PROVIDE SUFFICIENT FIRE EXTINGUISHERS ON THE JOB SITE DURING THE COURSE OF CONSTRUCTION, OF THE TYPES AND SIZES RECOMMENDED BY THE NFPA TO CONTROL FIRES RESULTING FROM THE PARTICULAR HAZARDOUS WORK BEING PERFORMED. INSTRUCT EMPLOYEES IN THE USE OF EXTINGUISHERS AND PLACE THEM IN THE IMMEDIATE VICINITY OF THE HAZARDOUS WORK, AVAILABLE FOR IMMEDIATE USE. COMMENCE NO HAZARDOUS WORK UNTIL FIRE EXTINGUISHERS OF AN APPROVED TYPE AND CAPACITY ARE PLACED IN THE WORKING AREA, AVAILABLE FOR IMMEDIATE USE.
5. THE CONTRACTOR WILL BE VIGILANT AND RESPONSIBLE FOR MAINTAINING JOB SAFETY AND SECURITY. THE OCCUPATIONAL, SAFETY AND HEALTH ACT FEDERAL SAFETY REGULATIONS MUST BE FOLLOWED AT ALL TIMES.

INTERIOR NOTES

- 1. ALL SURFACES SHALL BE PROPERLY PREPARED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO THE INSTALLATION OF WALL COVERING. WALL FINISH TO BE SAMPLED FOR APPROVAL. FLAME SPREAD RATINGS FOR INTERIOR FINISHES ARE TO BE IN ACCORDANCE WITH APPLICABLE CODES.
2. ALL WORK NOTED "N.I.C." OR "NOT IN CONTRACT" IS TO BE ACCOMPLISHED BY A CONTRACTOR OTHER THAN THE GENERAL CONTRACTOR AND IS NOT TO BE PART OF THE CONSTRUCTION AGREEMENT. THE GENERAL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS AS REQUIRED.
3. CONTRACTOR SHALL COOPERATE AND COORDINATE ALL JOB OPERATIONS WITH THE OPERATIONS OF OTHERS DOING ADJACENT WORK, SO AS TO PREVENT DELAYS AND CONFLICTS, OR DAMAGES TO EITHER PARTY'S OPERATIONS OR MATERIALS.
4. WHERE CLEARANCE PROBLEMS ARISE IN LOCATION OF LIGHT FIXTURES, RETURN AIR GRILLES, SUPPLY DIFFUSERS AND TROFFERS, ETC., AS SHOWN BY DRAWINGS, CONTRACTOR HAS THE OPTION TO RELOCATE BUILDING SYSTEMS WITHIN EACH ROOM AREA WITHOUT AFFECTING THE REQUIRED LIGHT LEVELS AND CFM AIR DISTRIBUTION TO WORK WITHIN THE SPECIFIED CONSTRUCTION CLEARANCES.
5. PARTITIONS ARE TO BE CONTINUOUS OVER DOORS, WHEN APPLICABLE, SIMILAR TO ADJACENT WALLS WHERE DRYWALL CONTINUES TO STRUCTURE ABOVE.
6. UNLESS NOTED OTHERWISE, ALL PARTITIONS SHALL BE TYPE "A".
7. CONTRACTOR SHALL PROVIDE WOOD TREATED AND FLAME RETARDANT BLOCKING OR REINFORCING IN PARTITIONS THAT ARE COMMON FOR THE NEED OF SUPPORTING FIXTURES, CABINETS, EQUIPMENT, FURNITURE ETC., AS MAY BE REQUIRED OR SHOWN BY DRAWINGS.
8. CONTRACTOR SHALL PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL PLUMBING CHASES INDICATED AND BEHIND ALL COUNTERS WHICH ACT AS WET PRONE AREAS.
9. THE SUSPENSION GRID CEILING SYSTEM SHALL RUN CONTINUOUS AND NO MAIN TEES MAY BE CUT FOR ANY REASON, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE OWNER.
10. ALL FLOOR MATERIALS AND COLOR CHANGES FROM ROOM TO ROOM SHOULD OCCUR AT THE CENTER LINE OF DOOR PANEL, ENCASEMENT OPENING, OR AS INDICATED BY THE DRAWINGS.
11. CONTRACTOR TO CONFIRM ALL INDIVIDUAL LOCK SETS AND THEIR KEYING REQUIREMENTS, THE QUANTITY AND MASTERING SYSTEM WITH THE OWNER.
12. ALL HEIGHTS ARE MEASURED FROM THE TOP OF SLAB UNLESS INDICATED OTHERWISE.
13. ALL TELEPHONE EQUIPMENT, WIRING, CONDUITS, ETC., SHALL BE SUPPLIED AND INSTALLED BY THE OWNER AT THEIR EXPENSE. WHERE TELEPHONE COAXIAL OUTLETS ARE INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE PULL STRING. TELEPHONE OR COAXIAL CABLE REQUIRED TO BE LOCATED IN AN EXTERIOR OR INTERIOR WALL SILL BELOW A GLASS PANEL OR AN OPEN ENCASEMENT OF THE WALL SHALL BE ACCESSED WITH THE MEANS OF CONDUIT AND PULL STRING.
14. ALL TELEPHONE LINES SHALL BE TEFLON COATED AND MEET WITH THE LATEST CODE REQUIREMENTS IN JURISDICTION.
15. CONTRACTOR SHALL PROVIDE 3/4" PLYWOOD PANEL PAINTED TO MATCH ADJACENT WALL, FOR TELEPHONE EQUIPMENT. MOUNT PANEL, SIZE AND LOCATION, AS SHOWN IN DRAWINGS.
16. ALL OCCUPANT FURNITURE, EQUIPMENT AND MISCELLANEOUS WILL BE PROVIDED AND INSTALLED BY EQUIPMENT CONTRACTOR. THE EQUIPMENT LISTED IN DRAWINGS SHOULD BE INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL REVIEW EQUIPMENT AND ARCHITECTURAL DRAWINGS IN ORDER TO VERIFY ANY DISCREPANCIES, ERRORS, OR OMISSIONS WITHIN THE CONTRACT DOCUMENTS. INDICATE ANY AND ALL CONFLICTS TO THE ARCHITECT BEFORE COMMENCEMENT OF THE WORK.
17. MATERIALS WHICH ARE CUSTOM-ORDERED FOR THE PROJECT AND WHICH CANNOT BE RETURNED ARE TO BE SUBMITTED FOR SAMPLE APPROVAL PRIOR TO SHIPMENT OF MATERIAL. ARCHITECT IS TO BE NOTIFIED IMMEDIATELY OF ANY ITEMS WITH LONG DELIVERY TIMES.
18. SAMPLES OF CUSTOM PAINT COLORS ARE TO BE SUBMITTED FOR ARCHITECTS APPROVAL PRIOR TO PURCHASE OF MATERIALS.
19. THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS SHALL DOCUMENT AS-BUILT CONDITIONS WHEN DIFFERENT FROM THE CONSTRUCTION DOCUMENTS, AND SHALL PROVIDE SAID DOCUMENTATION TO THE ARCHITECT UPON COMPLETION OF THE WORK.

MILLWORK NOTES

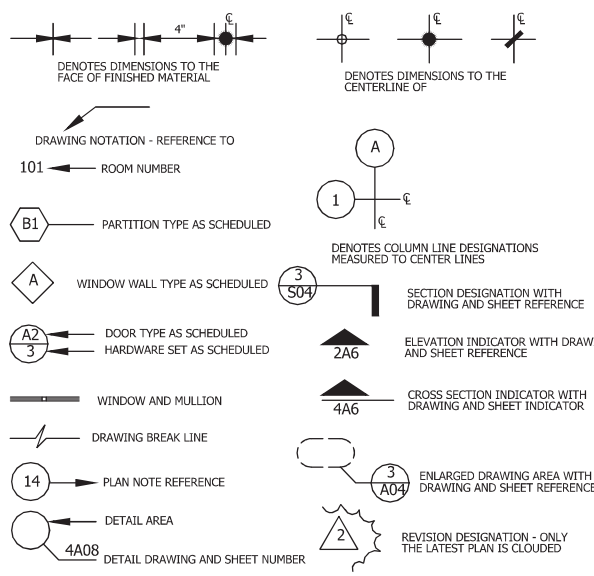
- 1. THE CONTRACTOR SHALL PROVIDE FOR THE MILLWORK TO CONFORM TO THE DETAILS SHOWN ON THE DRAWINGS AND SHALL BE FABRICATED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORKING INSTITUTE AND THEIR REQUIREMENTS FOR CUSTOM GRADE QUALITY CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. PROVIDE ALL FINISHES AS REFERENCED ON THE DRAWINGS AND ELEVATIONS AND AS NOTED IN THE SPECIFICATIONS FOR FINISHES.
3. SUBMIT SAMPLES FOR REVIEW BY THE ARCHITECT FOR APPEARANCE AND FINISH ONLY.
4. ALL MILLWORK FABRICATORS SHALL PROVIDE EDGING ON ALL EXPOSED WOOD PARTICLE BOARD AND/OR PLYWOOD EDGES. ALL EDGING SHALL RUN CONTINUOUSLY AND BE SOLID MATERIAL MATCHING FACE VENEER EXCEPT FOR FIR PLYWOOD, WHICH SHALL BE EDGE BANDED WITH FAS CLEARGUM. MITER EDGING AT CORNERS AND GLUE SURFACES SOLIDLY.
5. INSTALL THE WORK PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. ALL DIMENSIONS, PROFILES, JOINTS AND REVEALS SHALL BE HELD EXACT. INSTALL CABINET DOORS AND DRAWERS SO THEY FIT OPENINGS PROPERLY AND ARE PROPERLY ALIGNED - ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. COMPLETE THE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWING SHOWING THE LOCATION OF EACH ITEM, DIMENSIONED PLANS AND ELEVATIONS, LARGE SCALE DETAILS, ATTACHMENT DEVICES AND OTHER RELATED COMPONENTS. CONTRACTOR TO SUBMIT ONE (1) SET/PA MYLAR OF EACH ORIGINAL AND THREE (3) BLUE LINE PRINTS OF EACH ORIGINAL FOR ARCHITECTS APPROVAL.

MILLWORK HARDWARE

- 1. UNLESS NOTED OTHERWISE, ALL CABINETS SHOWN IN DRAWINGS AND WHICH ARE APPLICABLE TO THE PROJECT SHALL RECEIVE THE FOLLOWING HARDWARE. REFER TO CABINET ELEVATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
PULLS: "STANLEY 4484" / US 26
MAGNETIC CATCHES: STANLEY NO. 41 / ONE PER DOOR PANEL. TWO PER DOOR PANEL 4'-0" HIGH OR HIGHER.
DRAWER GLIDES: GRANT NO. 329 - ONE PAIR PER DRAWER.
HINGES: "STANLEY 335" / US 26 - EQUALLY PLACED AT TOP, MIDDLE, AND BOTTOM.
LOCKS: "CORBIN 15760" / US 26
CABINET SHELF STD. AND BRACKETS: K AND V 255NP AND 256NP, MAXIMUM 5'-0" FOR SHELF LENGTH, 4 PER SHELF
OPEN SHELVING STD. AND BRACKETS: K AND V 80 PLUS 180 MANUFACTURER STANDARD "WHITE" PAINTED FINISH AT 3'-0" ON CENTER, WITH MINIMUM 2 PER SHELF.

IN CASE OF SUBSTITUTION, CONTRACTOR SHALL SUBMIT TO ARCHITECT SAMPLES OF PROPOSED MILLWORK HARDWARE WITH PRIOR APPROVAL OF OWNER FOR ARCHITECTS FINAL APPROVAL.

GENERAL GRAPHIC SYMBOLS



ABBREVIATIONS OF TEXT

Table with 4 columns: Abbreviation, Full Name, Abbreviation, Full Name. Includes terms like ACST (Acoustical), ARCH (Architectural), ATC (Acoustical Ceiling Tile), etc.

MANUFACTURERS STANDARDS

Table listing manufacturer standards for APA (American Plywood Association), HPMA (Hardwood Plywood Manufacturers Association), AWI (Architectural Woodwork Institute), NPA (National Particle Board Association), BHMA (Builders Hardware Manufacturers Association), NPCA (National Paint and Coating Association), CRI (The Carpet and Rug Institute), TCA (Tile Council of America), DHI (Door and Hardware Institute), UL (Underwriters Laboratories), GA (Gypsum Association), WFI (Wood and Synthetic Flooring Institute), and WIC (Woodwork Institute of California).

REVIEWED FOR CODE COMPLIANCE
Consal Code Services
EXAMINER: PK2534PXL183ULP200PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

Table for revision history with columns: No., Date, Description.

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Project Name and Address: CEFCO #426 - PACE, 90 WEST SPENCER FIELD ROAD, PACE, FL 32871.
Sheet Title: ARCHITECTURAL INFORMATION.

Table with Project No. (170-84.00), Date (AS NOTED), Scale (AS NOTED), and Sheet (AN2.1).

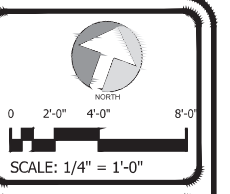
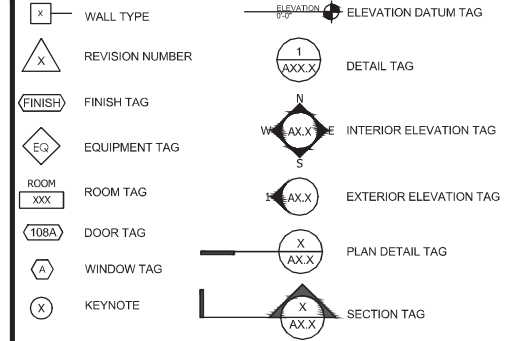
KEYED NOTES:

- 1 ALL INTERIOR WALLS AND EXPOSED WALK IN COOLER WALLS IN CUSTOMER AREA ARE TO BE COVERED W/ 5/8" FIRE CODE GYPSUM BOARD.
- 2 WALK IN COOLER FACES ARE TO BE COVERED WITH 1/4" GYPSUM BOARD LAMINATE TO WALL.
- 3 ALL WALK IN COOLER DOORS ARE TO BE COORDINATED WITH OWNER AND COOLER VENDOR (BASIS OF DESIGN: GEMTRON-SIERRA 30" X 75").
- 4 EXTERIOR ALUMINUM LADDER MODEL NO. 564HD-C WITH SECURITY DOORS MODEL NO. H-300 PRIMED AND PAINTED AS PER OWNERS SPECIFICATIONS PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- 5 GAS READOUT AND TELEPHONE BOARDS WILL REQUIRE 5/8" F.R.T. CDX PLYWOOD PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. PAINT MATTE WHITE. MUST BE CLEANABLE SURFACE. CPI PANELS TO BE INSTALLED BY VENDOR.
- 6 SECURITY SYSTEM: PROVIDE 3/4" CONDUIT STUBBED UP ABOVE CEILING HEIGHT. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 7 GASOLINE EQUIPMENT LINES TO BE RUN UNDER FINISHED FLOOR. REFER TO TANK DRAWINGS.
- 8 BEVERAGE LINES BAG-N-BOX TO FOUNTAIN DRINK DISPENSER TO BE RUN ABOVE CEILING GRID. LOW VOLTAGE EQUIPMENT AREA: SEE LOW VOLTAGE PLAN FOR MORE DETAILED INFORMATION.
- 9 LOW VOLTAGE EQUIPMENT AREA: SEE LOW VOLTAGE PLAN FOR MORE DETAILED INFORMATION.
- 10 RECESSED JUNCTION BOX FOR BULK CO2 CONNECTION.
- 11 ALL WALLS TO RECEIVE FLOOR TO CEILING FRP AND COVE BASE. VERIFY SPECIFICATIONS WITH OWNER.
- 12 DOORS WITH CLOSERS SHALL BE ADJUSTED SUCH THAT FROM AN OPENING POSITION OF 90 DEGREES THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH SHALL TAKE 5 SECONDS MIN. ALL INTERIOR SWINGING EGRESS DOORS SHALL OPERATE WITH A PUSH/PULL FORCE OF 5 LBS. FLORIDA ADA CODES CHAPTER 4. ALL EXTERIOR DOORS WITH A CLOSER SHALL OPERATE WITH A PUSH/PULL FORCE OF 8.5 LBS. MAXIMUM.
- 13 ICS OR EQUAL WALK-IN COOLER, VAULT, AND RELATED EQUIPMENT FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER
 - ELECTRICAL CONNECTIONS FOR FANS, CONDENSER
 - CONNECTIONS BY ELECTRICAL CONTRACTOR
 - PLUMBING CONNECTIONS FOR CONDENSATION LINES BY PLUMBING CONTRACTOR
 - REFRIGERATION CONNECTIONS BY HVAC CONTRACTOR
- 14 ALL WET AREAS: SINKS, LAVATORY, URINAL AND TOILET LOCATIONS SHALL HAVE CEMENT BOARD BACKING UP TO 48" AFF. USE MOISTURE RESISTANT COVERED GYPSUM BOARD ABOVE CEMENT BOARD WHERE APPLICABLE.
- 15 ALL CONDUITS FROM BACK ROOM OVER GYPSUM BOARD CEILING TO BE PLACED IN CONDUIT PROPERLY SIZED FOR SERVICE LINE. CONDUIT TO EXTEND TO EDGE OF GYPSUM BOARD CEILING WITH SWEEPS.
- 16 TWO REMOVABLE SMOOTH 3/8" PLYWOOD PANELS PAINTED BOTH SIDES. PANELS TO START AT APPROX. 1/2" ABOVE DRINK COUNTER TO 9'-8" AFF OR 4" FROM CEILING GRID WITH LATCH TO SECURE DOORS IN PLACE.
- 17 PARTIAL HEIGHT WALL (PART OF MILLWORK SYSTEM), SEE ELEVATIONS. CONSTRUCTION TO MATCH TYPE 1A. SEE MILLWORK DRAWINGS FOR MORE DETAILS.
- 18 FURRED WALLS AT TOP OF COOLER TO BE 3-5/8" METAL STUDS @ 16" O.C. WITH 5/8" MOISTURE RESISTANCE GYPSUM WALLBOARD. ALIGN FACE WITH 1/4" GYPSUM WALLBOARD ON COOLER.
- 19 FURNISH AND INSTALL NEW DIRECTIONAL SIGNAGE TO ADA ENTRANCE. SEE ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION.
- 20 FURNISH AND INSTALL NEW HORIZONTAL TACTILE EXIT SIGN. SEE DETAIL A13.1 FOR MOUNTING HEIGHTS AND SPECIFICATION.
- 21 FURNISH AND INSTALL NEW VERTICAL TACTILE EXIT SIGN. SEE DETAIL A13.1 FOR MOUNTING HEIGHTS AND SPECIFICATION.

GENERAL NOTES

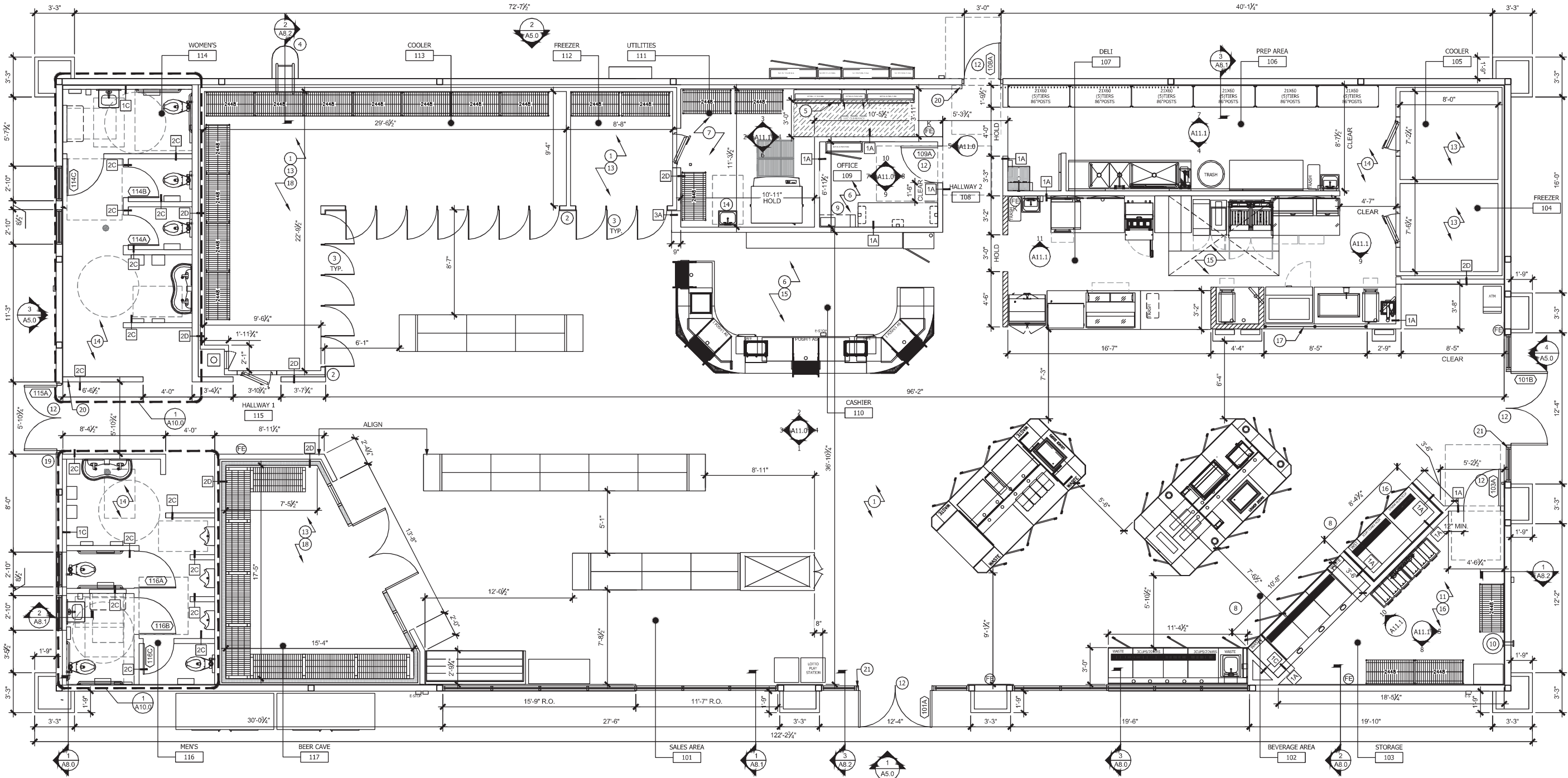
1. PROVIDE BLOCKING FOR ALL EQUIPMENT AS REQUIRED.
2. INTERIOR LAYOUT DIMENSIONS ARE FACE TO FACE OF DRYWALL OR FINISH SURFACE, (U.N.O.).
3. LAYOUT AS DIMENSIONED ONLY: DO NOT SCALE. REFER TO SHEET A9 FOR PARTITION TYPES.
4. ALL FIXTURES AND/OR EQUIPMENT FURNISHED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE SPECIFIED.
5. SEE SHEET A9 FOR DOOR AND HARDWARE SCHEDULE.
6. SEE SHEET A10 AND A10.1 FOR INTERIOR FINISH SPECIFICATIONS.
7. SEE SHEET A3 FOR EQUIPMENT SCHEDULE & LOCATION.
8. ALL CONSTRUCTION SHALL COMPLY W/ ALL CURRENT A.D.A. SPECIFICATIONS. GC TO ADDRESS ALL SELF-SERVICE & DISPENSING DEVICES.
9. SEE MEP DRAWINGS FOR LOCATIONS OF ALL CONDUIT.
10. EXTERIOR WALLS ARE SHOWN AS 6" METAL STUDS WITH STUCCO FINISH AND CREATIVE FAUX STONE SYSTEM. IF OTHER CONSTRUCTION METHODS ARE USED, IT BECOMES THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ADJUST THE OVERALL OUTSIDE DIMENSIONS IN ORDER TO MAINTAIN THE INSIDE CLEAR DIMENSIONS AS INDICATED.
11. G.C. TO MAINTAIN 2"-3" MOISTURE GAP BETWEEN COOLER AND SURROUNDING WALLS.

PLAN SYMBOLS



REVIEWED FOR CODE COMPLIANCE

EXAMINER: P225341PXL18LUP209/P2102109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

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Date

This item has been electronically signed and sealed by (Nisit Sapparkhao, PE) on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy. FAC 61G15-23.004

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
FLOOR PLAN

Project No. 170-84.00	Sheet
Date AS NOTED	A2.0
Scale AS NOTED	

FLOOR PLAN SCALE 1/4"=1'-0" 1

ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY
1	BEER CAVE	KPS	PDT1030	G.C.	G.C.
2	CONDENSING UNIT	HEATCRAFT	MOZ025M63CF	G.C.	G.C.
3	EVAPORATOR	HEATCRAFT	SME1308EE	G.C.	G.C.
4	DOORS	ANTHONY	101/103 LED	G.C.	G.C.
5	3-DOOR FREEZER	ICS	PDT1030	G.C.	G.C.
6	CONDENSING UNIT	HEATCRAFT	MOZ055L63CF	G.C.	G.C.
7	EVAPORATOR	BOHN	LET160BEK	G.C.	G.C.
8	TEA BREWER DISPENSER	BUNN	39600.0047	OWNER	G.C.
9	CO2 BOTTLE			OWNER	G.C.
10	BAG-N-BOX			OWNER	G.C.
11	FOUNTAIN FLAVOR FUSION	CORNELIUS	621057644	OWNER	G.C.
12	FUEL MANAGEMENT			OWNER	G.C.
13	CASH REGISTER			OWNER	G.C.
14	CREDIT CARD			OWNER	G.C.
15	GEMINI LOTTO	VERIFY W/OWNER		OWNER	G.C.
16	LOTTO MACHINE	A PER STATE		OWNER	G.C.
17	UNDER COUNTER SAFE	ARMOR	CS 7100	OWNER	G.C.
18	FILTER SYSTEM	EVERPURE	EV9328-06	OWNER	G.C.
19	TEA BREWER-TB VIF W/OWNER BEFORE PURCHASE	BUNN	52000.0301	OWNER	G.C.
20	TRASH RECEPTACLE			OWNER	G.C.
21	TRASH RECEPTACLE	RUBBERMAID	FG354060BLA	OWNER	OWNER
22	COFFEE DISPENSERS	BUNN	27850.0212	OWNER	G.C.
23	CAPPUCCINO MACHINE	BUNN	IMIX-35+ 38500.0001	OWNER	G.C.
24	ICB TWIN SH. COFFEE BREWER	BUNN	51200.0100	OWNER	G.C.
25	HEATED DISPLAY CASE (COUNTERTOP)	HATCO	GRSD5-36T	OWNER	G.C.
26	MICROWAVE	PANASONIC	NE-1054F	OWNER	G.C.

ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY
27	RAPID COOK OVEN	OVENTION	MISA-A12	OWNER	G.C.
28	GONDOLA SHELVING	LOZIER OR EQUAL	PER MANUF. SPECS	OWNER	G.C.
29	ICE MAKER	HOSHIZAKI	KM-1601SRJ	OWNER	G.C.
30	ICE MAKER CONDENSER	HOSHIZAKI	URC-22F	OWNER	G.C.
31	ICE BAGGER	KLOPPENBERG	DISP-1000	OWNER	G.C.
32	ATM	ANY CARD		OWNER	G.C.
33	PIZZA PREPARATION REFRIGERATOR	TRAUlsen	TB046SL3S	OWNER	G.C.
34	3 SIDED BAKERY CASE	MILLWORK SUPPLIER		OWNER	G.C.
35	FROZEN UNCARBONATED BEVERAGE MACHINE	BUNN	34000.0520	OWNER	G.C.
36	MOP SINK	ADVANCE TABCO	9-OP-24FM-SS R	OWNER	G.C.
37	POT & PAN WASHER	POWERSOAK	CUSTOM	OWNER	G.C.
38	STORAGE SHELVING	AMCO	AMCO II	OWNER	G.C.
39	HOT DOG GRILL	STAR	75STBDE	OWNER	G.C.
40	LOTTERY STATION			OWNER	G.C.
41	CUSTOMER KIOSK	BY OWNER	CUSTOM	OWNER	G.C.
42	SANDWICH/SALAD PREP REF.	BEVERAGE-AIR	SPE27HC-12M-B	OWNER	G.C.
43	REFRIGERATED COUNTERTOP DISPLAY HEATED DISPLAY CASE (COUNTERTOP)	VOLLRATH	40886	OWNER	G.C.
44	ICE MAKER	HOSHIZAKI	FD-1002MRJ-C	OWNER	G.C.
45	ICE MAKER CONDENSER	HOSHIZAKI	URC-5F	OWNER	G.C.
46	HAND SINK	ADVANCE TABCO	7-PS-EC-SP-1X	G.C.	G.C.
47	WORK TABLE	ADVANCE TABCO	SS-366	OWNER	G.C.
48	BOHA TERMINAL	TRANSACT		OWNER	G.C.
49	CONDENSING UNIT	HUSSMANN	ASH9512NAPP1	OWNER	G.C.
50	WORK TABLE	ADVANCE TABCO	KMSLAG-306-X	OWNER	G.C.
51	CHILD/CHEESE DISPENSER	GEHL'S 2.0		OWNER	G.C.
52	COLD CASE	HUSSMANN	IM-05-1M-R	OWNER	G.C.

ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY
53	REF. PIZZA PREP.	BEVERAGE-AIR	DP067HC-4	OWNER	G.C.
54	ICE MERCHANDISER	POLAR TEMP	600AD	OWNER	G.C.
55	TANKLESS WATER HEATER (GWH-1)	-	REFER TO PLUMBING	G.C.	G.C.
56	WIRE SHELVING UNIT	CENTAUR	C2160K	OWNER	G.C.
57	TYPE-1 9' HOOD WITH SUPPRESSION SYSTEM. (STAINLESS STEEL PANELS TO BE PROVIDED BY G.C.)	CAPTIVE AIRE	5424ND-2-ACP SP-F	OWNER	G.C.
58	HEATED DISPLAY CASE	ALTO-SHAAM	HSM-36/SS/T	OWNER	G.C.
59	36" X 36" STAINLESS WORK TABLE			OWNER	G.C.
60	HIGH FLOW DRINKING FOUNTAIN	ELKAY	EZ5TL8C	G.C.	G.C.
61	DUAL FRYER	PITCO	SSH75-2FD	OWNER	G.C.
62	INSTANTANEOUS WATER HEATER (IWH-3)	REFER TO PLUMBING		G.C.	G.C.
63	HAND DRYER	WORLD DRYER CORP.	VERDEDRI Q-973A	G.C.	G.C.
64	CONDENSING UNIT	HEATCRAFT	MOZ025L63CF	G.C.	G.C.
65	DROP-IN HOT WELLS	ALTO-SHAAM	300-HW/D6	OWNER	G.C.
66	HAND SINK	EAGLE GROUP	SR19-16-13.5-1	G.C.	G.C.
67	EASIWASH HOSE	REFER TO PLUMBING		OWNER	G.C.
68	EASIWASH WASH	REFER TO PLUMBING		OWNER	G.C.
69	CONVECTION OVEN	OVENTION	DOUBLE MIL02-16	OWNER	G.C.
70	SANDWICH PRESS	VOLLRATH	40792	OWNER	G.C.
71	SSS COLD CASE	HUSSMANN	555	OWNER	G.C.
72	EVAPORATOR	HEATCRAFT	LET090BEK	G.C.	G.C.
73	WALK-IN COOLER	ICS	PDT1030	G.C.	G.C.
74	CONDENSING UNIT	HEATCRAFT	MOZ060M63CF	G.C.	G.C.
75	EVAPORATOR	BOHN	ADT120AEK	G.C.	G.C.
76	CONDENSING UNIT	HEATCRAFT	MOZ005M63CF	G.C.	G.C.
77	EVAPORATOR	BOHN	ADT070AEK	G.C.	G.C.

ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY
78	CONDENSER	HUSSMANN	ASH9460ZNAFP1	OWNER	G.C.
79	FRYER DUMP STATION	PITCO	SE-BNB-14	OWNER	G.C.
80	GLASS SNEEZE GUARD	APW WYOTT	CW-1	OWNER	G.C.
81	DROP-IN REFRIGERATION	HATCO	GRHW-15GD	OWNER	G.C.
82	25H STAND	BUNN	27875.0200	OWNER	G.C.
83	RETHERMALIZING UNIT	PITCO	SRTE14-GM	OWNER	G.C.
84	WALL GRID SHELVING	METRO	SW56K4	OWNER	G.C.
85	WALL GRID SHELVING	METRO	VARIES	OWNER	G.C.
86	WALL GRID SHELVING	METRO	SWK36-1	OWNER	G.C.
87	SERVICE SINK FAUCET	ADVANCE TABCO	K-240	OWNER	G.C.
88	UTILITY SHELF	ADVANCE TABCO	K-245	OWNER	G.C.
89	MOP BROOM HOLDER	CARLISLE	4073100	OWNER	G.C.
90	22" KDS MONITOR	DELL	E2216HV	OWNER	G.C.
91	TV SCREEN			OWNER	G.C.
92	PAPER TOWEL DISPENSER	KIMBERLY-CLARK	09996	OWNER	G.C.
93	SOAP DISPENSER, WALL MOUNTED	SCOTT	92145	OWNER	G.C.
94	INSTANTANEOUS WATER HEATER (IWH-2)	REFER TO PLUMBING		G.C.	G.C.
95	INSTANTANEOUS WATER HEATER (IWH-5)	REFER TO PLUMBING		G.C.	G.C.

REVIEWED FOR CODE COMPLIANCE



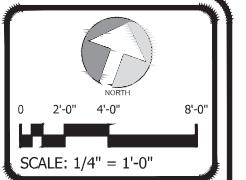
EXAMINER: PAGES 11/18/2023
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

GENERAL NOTES

- GENERAL CONTRACTOR TO COORDINATE WORK AND PROVIDE FINAL MECHANICAL & ELECTRICAL HOOK-UPS TO ALL EQUIPMENT AS REQUIRED. EQUIPMENT SUPPLIERS TO MATCH THESE PLANS FOR FLOOR SINK AND/OR DRAIN LOCATIONS.
- GENERAL CONTRACTOR TO VERIFY WALK-IN COOLERS SIZE, MANUFACTURER, & POWER REQUIREMENTS.
- GENERAL CONTRACTOR SHALL PROVIDE SOLID WOOD BLOCKING BETWEEN STUDS FOR SUPPORT OF ALL WALL HUNG FIXTURES, WATER LINES, SHELVES, ETC.
- ALL DIMENSIONS TO BE VERIFIED PRIOR TO EQUIPMENT FABRICATION.
- LIGHTS: 12W / POST DOOR & FRAME HEATER: 4-24A; 2-DOOR 30x75 (4.54A TOTAL) 16.5A; 8-DOOR 30x75 (17.4A TOTAL)
- 120V - 3x0.9A/36W (1) FAN MOTOR/DOOR - 0.45A/54W LIGHTING - 1.99A/229W DOOR HEATERS 208V - 8.65/1800W DEFROST
- COORDINATE WITH EQUIPMENT MANUFACTURER FOR RECEPTACLE REQUIREMENTS.
- PROVIDE 40A, 3W + GND EQUIPMENT CORD AND PLUG WITH MATCHING RECEPTACLE.
- REFER TO EQUIPMENT CUT-SHEETS FOR SPECIFICATIONS AND ELECTRICAL REQUIREMENTS.

INTERIOR ILLUMINATION LEVEL STD.

FUTURE KITCHEN	75 FOOT CANDLE AVERAGE
FRONT COUNTER	
RESTROOMS	50 FOOT CANDLE AVERAGE
STORAGE AREA	
UTILITY	30 FOOT CANDLE AVERAGE
WALK-IN COOLERS & FREEZER	



NO.	REVISION/ISSUE	DATE
1	ISSUE FOR PERMIT	11/14/2023

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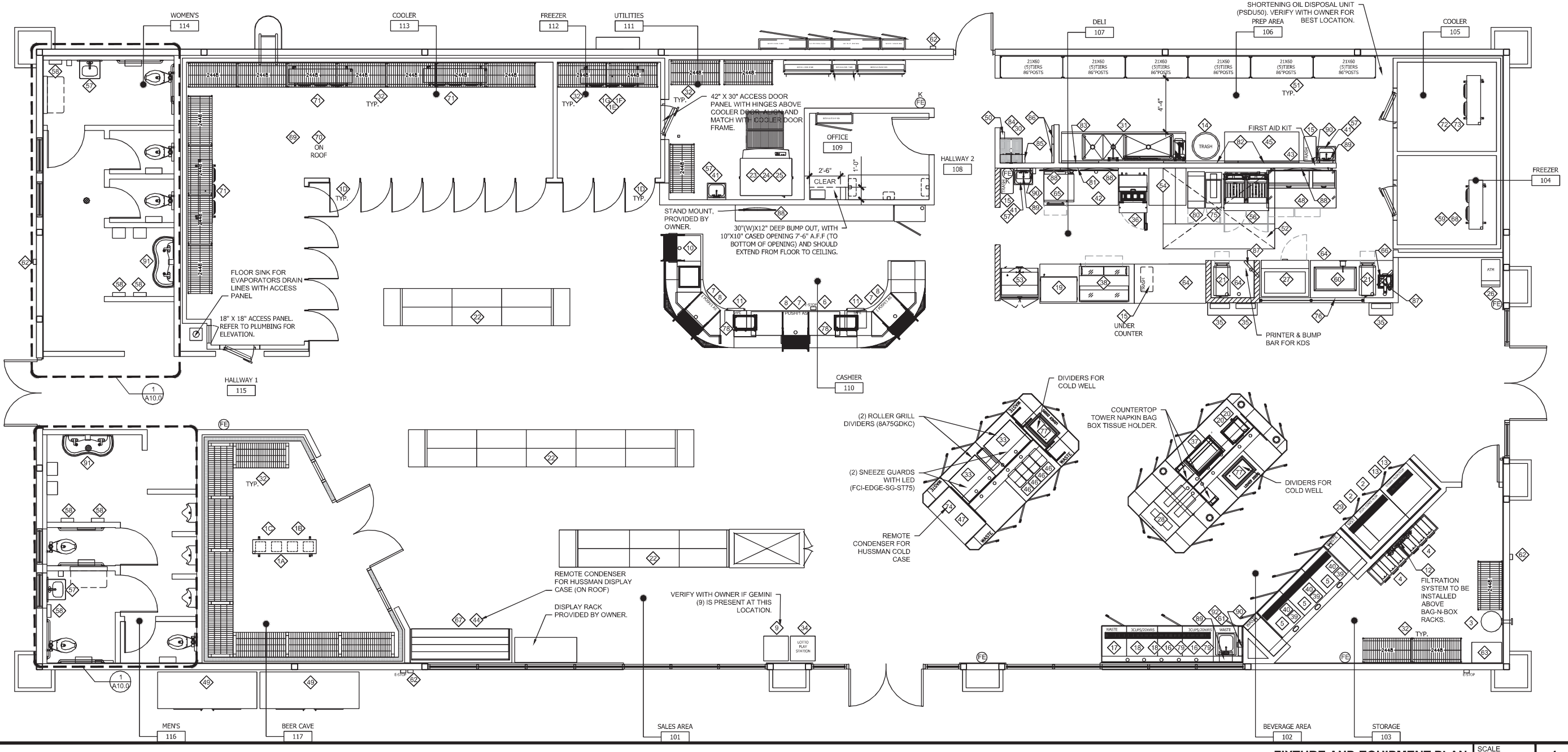
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Project Name and Address: **CEFCO #426 - PACE**
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Project No. 170-84-00
 Date AS NOTED
 Scale AS NOTED

Sheet Title: **EQUIPMENT PLAN AND SCHEDULE**

Sheet No. **A3.0**



FIXTURE AND EQUIPMENT PLAN SCALE 1/4"=1'-0" 1

CAMERAS CEFCO

- 18/2 RG59 SIAMESE CABLE (POWER AND COMMUNICATION ARE ATTACHED), 4 BOXES OF 500'.
- LEAVE 10' OF EXTRA CABLE AT EACH CAMERA LOCATION POINT.
- LEAVE 6' OF EXTRA CABLE AT OFFICE TERMINATION POINT.
- LABEL ALL WIRES WITH CAMERA #S OR LOCATION.

- #1 REGISTER 1
- #2 REGISTER 2
- #3 REGISTER 3
- #4 BEHIND COUNTER
- #5 SAFE CAMERA
- #6 FRONT OF COUNTER
- #7 FRONT DOOR
- #8 SIDE DOOR
- #9 TRUCKER ENTRANCE
- #10 AISLE 1
- #11 AISLE 2
- #12 AISLE 3
- #13 STORE VIEW
- #14 FOUNTAIN VIEW 1
- #15 FOUNTAIN VIEW 2
- #16 BEER CAVE ISLE
- #17 BEER CAVE
- #18 SODA COOLER 1
- #19 SODA COOLER 2
- #20 HALLWAY/ BACK DOOR
- #21 OFFICE
- #22 ICE/ STORAGE
- #23 STORAGE
- #24 KITCHEN 1
- #25 KITCHEN 2
- #26 KITCHEN WALK INS
- #27 KITCHEN 3

NOTE: REFER TO OWNER FOR CAMERA LEGEND AND RELATED INFORMATION.

- GENERAL CONTRACTOR TO PROVIDE 2" X 12" X 16" +/- WOOD BLOCKING AT HEIGHT DETERMINED BY OWNER FOR ALL EXTERIOR SECURITY CAMERAS.

DVR	DVR 18/2 SHIELDED WITH GROUND. RUN FROM OFFICE TO FRONT COUNTER. (LEAVE EXTRA 10' AT BOTH TERMINATION POINTS)
MIC	MICROPHONE - 22/4 SHIELDED WITH GROUND. RUN UNDERGROUND AND TERMINATED ON THE INSIDE OF EACH POS SHROUD
SAFE	SAFE CAT 5 - RUN FROM OFFICE TO SAFE LOCATION (LEAVE EXTRA 10' AT BOTH TERMINATION POINTS)
ATM	ATM (INDOOR) 2 - CAT 5 FROM THE OFFICE TO ATM POSITION
LOTTERY	LOTTO- CAT 5 FROM MODEM TO FRONT COUNTER TERMINAL (LEAVE ADDITIONAL 10 FT) CAT 5 FROM SALES COUNTER TO TICKET SCANNER (LEAVE ADDITIONAL 10 FT) LOTTERY MODEM AT D-MARK
CONDUIT BOX	CONDUIT BOX (LOCATED INSIDE WALL)
PORT PATCH PANEL	PP 24-PORT PATCH PANEL PK 4-PORT PATCH PANEL PK-V 4 PORT PATCH PANEL WITH VIDEO
CONDUITS - SPARE	CS CONDUIT STUB UP AC AUDIO CABLE

SECURITY SYSTEM	SP SECURITY PANEL - ORIGINATE AT THE SECURITY PANEL AT D-MARK. (LEAVE ADDITIONAL 10 FT OF WIRE) A DOOR CONTACT: 22/4 WIRE (FRONT, SIDE, AND BACK DOORS) - ALL WIRING TO BE LOCATED WITHIN DOOR FRAMES P PANIC BUTTONS: 22/4 WIRE (TO ALL 3 REGISTERS) M MOTION DETECTORS: 22/4 WIRE MD#1 ATM MD#3 SIDE DOOR MD#2 FRONT DOOR MD#4 BACK DOOR SK SECURITY KEYPAD: 22/4 WIRE (TERMINATE FROM PUNCH BOARD AREA) SS SECURITY SIREN: 22/4 WIRE (TERMINATE IN STORE ABOVE FREEZER)
TELEPHONE	T STANDARD PHONE LINE LOCATED AT D-MARK - PULL PHONE LINES FROM PATCH PANEL TO THE REQUIRED TERMINATED POSITIONS. TRIM OUT AND CONFIRM DIAL TONE.
D-MARK	DM STANDARD D-MARK. 5-CAT 5 (FROM D-MARK TO OFFICE)
CHIME	C CHIME CONNECTED TO ENTRY DOORS. CHIMES IN COOLERS, BACK OFFICE/STORAGE ROOM AREA AND DELI/ PREP AREA WILL BE 22/4 WIRING, WHICH WILL BE PULLED INTO THE BACK OFFICE/STORAGE ROOM AREA AND NEAR THE ALARM PANEL. (A CONTROL PANEL WILL BE LOCATED THERE.) DOOR WIRING FOR THE ENTRY DOORS WILL BE TWO HOME RUNS (22/4 AT EACH FROM THE BACK OFFICE/STORAGE ROOM AREA AND WITH EACH WIRE BEING SPLIT TO EACH DOOR, PER EACH POINT OF ACCESS. THIS WILL BE IN ADDITION TO THE 22/4 WIRING AT EACH SET OF DOORS, PER THE ALARM CONTRACTORS.

TRUSONIC	SC SPEAKER CONTROLS - ORIGINATE SPEAKER WIRES IN OFFICE NEXT TO VOLUME CONTROLS. 8 - TOTAL SPEAKERS 4 - SPEAKERS IN RETAIL AREA (CEILING MOUNTED) - INTERIOR SALES AREA SPEAKERS USE ON EACH RUN OF 16/4 SPEAKER CABLE DAISY CHAINED FOR THESE FOUR SPEAKERS SPK #1 HOT FOOD/DRINK AREA SPK #2 AISLE 2 AREA SPK #3 FREEZER AREA SPK #4 ATM AREA 2 - SPEAKERS IN RESTROOMS 1 SPEAKER IN EACH RESTROOM (CEILING MOUNTED). RESTROOM SPEAKERS USE ONE RUN OF 16/4 SPEAKER CABLE DAISY CHAINED FOR THESE TWO SPEAKERS. 3 - SPEAKERS CENTERED IN EACH LAND BETWEEN ISLANDS (CEILING MOUNTED). USE ONE RUN OF 16/4 CHEMICAL RESISTANT CABLE TO CANOPY SPEAKERS. DAISY CHAIN BETWEEN SPEAKERS
PRICER ID	ID RUN A BELDON 1420A 060, SHIELDED, 20 AWG, 3 TWISTED PAIR COMMUNICATION CABLE FROM EACH PRICE SIGN TO THE BACK OFFICE. 500 FOOT LENGTH FOR EACH ID SIGN.
DATA LINES	CS RUN TWENTY-FOUR (24) CAT 5 LINES FROM OFFICE TO THE SALES AREA COUNTER. CASHIER RUN TWO (92) AT CAT 5 LINES FROM OFFICE TO THE KITCHEN AREA BEHIND OVEN AREA. CASHIER RUN THREE (3) CAT 5 PHONE LINES & THREE (3) ALARM PANIC BUTTON LINES FROM D-MARK. RUN CAT 5 FROM D-MARK TO PATCH PANEL (TWO LINES/PER PHONE #) CASHIER. CASHIER RUN CAT 5 FROM AUTOMATIC TANK GAUGE TO BACK OFFICE. CS-IP IP CAT 5 LINES (TERMINATE LINES AS SHOWN)

- GENERAL NOTES**
- ALL CABLE RUNS ARE HOME RUNS (WITHOUT SPLICING) UNLESS OTHERWISE NOTED OR APPROVED BY OWNER.
 - ALL CABLING TO THE SALES COUNTER TO BE IN ONE OF THE THREE (3) 2" UNDER SLAB CONDUITS DEPENDING ON THE CABLE'S POINT OF ORIGIN.
 - ALL CAMERAS USE 18/2 RG 59 SIAMESE CABLE AND HOME RUN FOR EACH CAMERA. FOR EXTERIOR CAMERAS, PROVIDE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT FROM THE EIFS LOCATION OF THE CAMERA TO ACCESSIBLE INTERIOR CEILING SPACE.
 - ONE CONDUIT BOX TO BE MOUNTED ON THE 2" CONDUIT FROM THE SALES COUNTER. EACH CONDUIT BOX TO HAVE A 2" CONDUIT RAN FROM THE TOP OF THE BOX TO ACCESSIBLE CEILING NEAR THE OFFICE. BOTH BOXES OPEN INTO THE OFFICE AND SHOULD BE UNDER THE WORK COUNTER IF POSSIBLE.
 - TELEPHONE OUTLET IN OFFICE AND ATMLOTTO DATA BOX TO BE 1" CONDUIT RAN UP THE WALL TO ACCESSIBLE CEILING.
 - ALL CABLING REQUIRED TO BE IN A WALL SPACE, TO AN EXTERIOR POINT, OR TO HARD SURFACED CEILING SPACE REQUIRE CONDUIT TO ACCESSIBLE CEILING AREA.
 - ALL CABLING TO BE PERMANENTLY LABELED AT BOTH ENDS OF THE CABLE AND A LEGEND OF THE CABLE LABELS PROVIDED TO THE OWNER.
 - DVR WILL BE IN THE CEFCO BACK OFFICE.
- POINT OF ENTRY (POE)**
RUN THE HUGHES SATELLITE AND THE LOTTERY DISH THROUGH THE 2" POINT OF ENTRY (COMMUNICATIONS POE).
INSTALL POINT OF ENTRY (POE) NEAR ROOF WALKING PATH.
- POINT OF SALES**
- POS POINT OF SALES
 - POS-CMDT POINT OF SALES - COM DATA
 - CS REMOTE MONEY ORDER

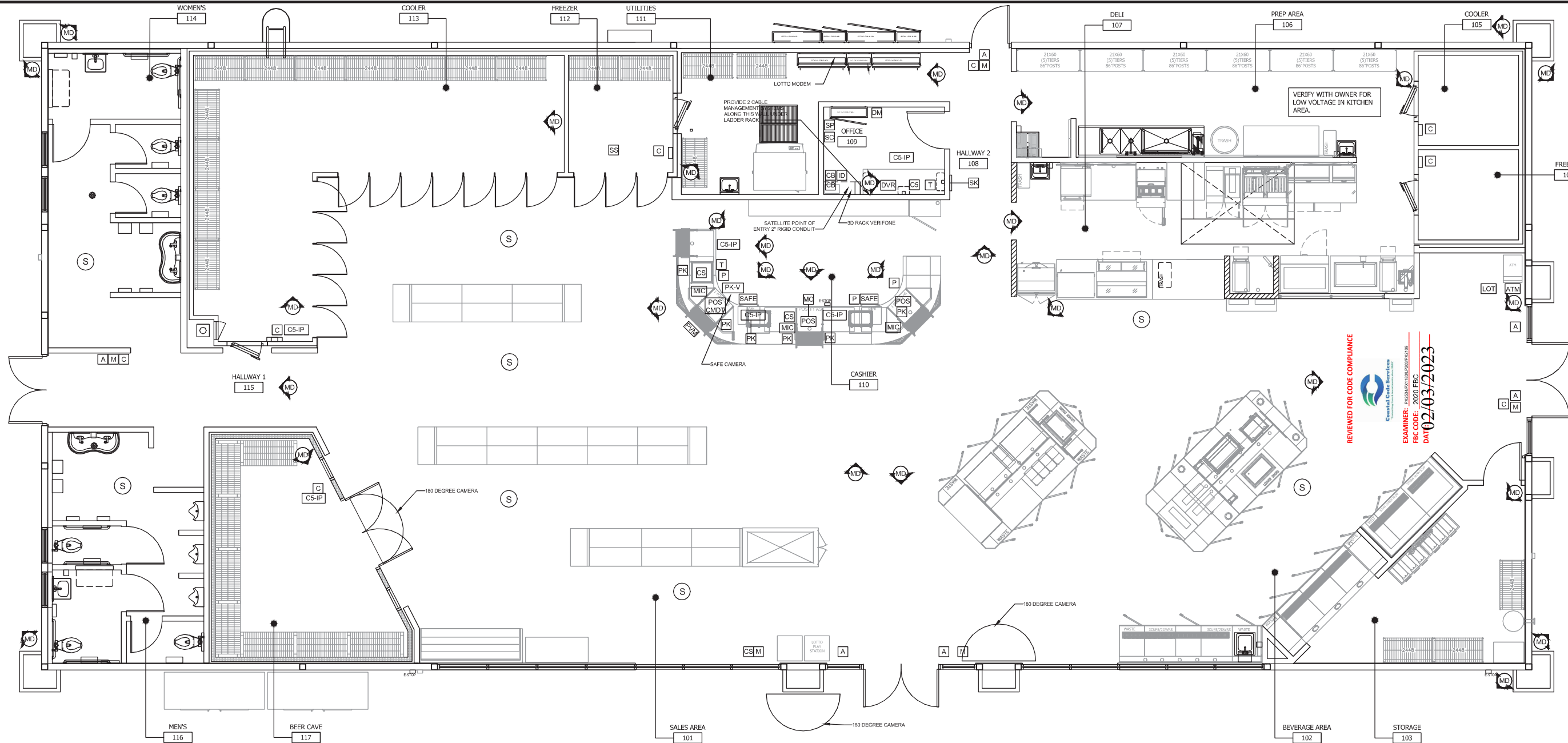
0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"

11/15/2023	Date
1	Revision/Issue
1	No.

LOW VOLTAGE EQUIPMENT NOTES

- ONE MODEL # 4 U 2 POLE RACK WITH 19" MOUNT DISTANCE, SECURED TO FLOOR. COLOR: BLACK
- FOUR VENTILATED 13" SHELVES - SINGLE SIDE MOUNT. COLOR: BLACK
- ONE RACK MOUNT SURGE PROTECTOR WITH MOUNTING HARDWARE. MINIMUM SIX OUTLETS - WITH MINIMUM 15 AMPS CAPACITY. COLOR: BLACK
- NE 48 PORT CAT5 PATCH PANEL. COLOR: BLACK

THE FOLLOWING EQUIPMENT TO BE PROVIDED BY LOW VOLT CONTRACTOR.



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Project Name and Address: **CEFCO #426 - PACE**
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title: **LOW VOLTAGE CABLING PLAN**

Project No: 170-84-00
Date: AS NOTED
Scale: AS NOTED

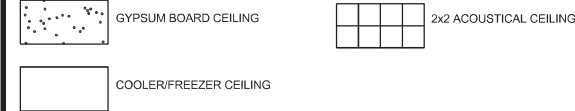
Sheet: **A3.1**

CEILING FINISH SCHEDULE

SYMBOL	DESCRIPTION
CT-1	ARMSTRONG 'CIRRUS SERIES' SUSPENDED ACOUSTICAL LAY-IN CEILING PANELS. 24 X 24 X 3/4 SQUARE CUT WITH WHITE FINISH 15/16 PRELUDE T-BAR GRID SYSTEM WITH WHITE FINISH
CT-2	ARMSTRONG 'CLEAN ROOM VL' VINYL SUSPENDED ACOUST. LAY-IN CEILING PANELS. 24 X 24 X 3/4 SQUARE CUT WITH WHITE FINISH 15/16 PRELUDE T-BAR GRID SYSTEM WITH WHITE FINISH
CT-3	5/8" FIRE RATED GYPSUM WALLBOARD CEILING SMOOTH FINISH COLOR: PURE WHITE SW 7005
CT-4	5/8" FIRE RATED GYPSUM WALLBOARD CEILING SMOOTH FINISH COLOR: WHITE
CT-5	INSULATED COOLER/FREEZER CEILING

- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS AND LOCATIONS OF SWITCHES.
- REFER TO SITE PLAN DRAWING FOR SITE LIGHTING INFORMATION.
- REFER TO CANOPY PLAN DRAWINGS FOR LIGHTING INFORMATION.
- REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY LIGHTING LOCATIONS.

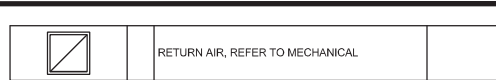
NOTE: VINYL COVERED CEILING PANELS REQUIRED IN ALL FOOD AREAS



REFLECTED CEILING PLAN LEGEND

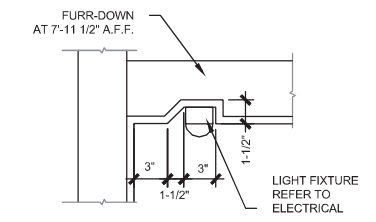
SYMBOL	ID	DESCRIPTION	QUANTITY
[Symbol]	A	2'-0" X 4'-0" LED ARCHITECTURAL TROFFER	
[Symbol]	B	6" DEEP RECESSED LED DOWNLIGHT	
[Symbol]	C	4'-0" LAY-IN FIXTURE (OUTSIDE COOLERS)	
[Symbol]	D	4'-0" WET LOCATION LINEAR (INSIDE COOLERS)	
[Symbol]	E	LED CANOPY LUMINAIRE	
[Symbol]	H	2'-0" X 2'-0" LED ARCHITECTURAL TROFFER	
[Symbol]	K	2'-0" X 4'-0" LED ARCHITECTURAL TROFFER	
[Symbol]	L	QWIK STIK FLAT SERIES - VARIOUS LENGTHS. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.	

[Symbol]	M	M4: 4'-0" LED STRIP DIFFUSED LUMINAIRE M8: 8'-0" LED STRIP DIFFUSED LUMINAIRE	
[Symbol]	PE	E-CONDLIGHT WALL SCONCE - WET LISTED NOTE: LOCATIONS NEAR DOORS TO HAVE BATTERY BACK-UP	
[Symbol]	S	WALL SCONCE	
[Symbol]	W	LED TRAPEZOID WALL PACK NOTE: LOCATIONS OVER DOORS TO HAVE BATTERY BACK-UP	
[Symbol]	X	EMERGENCY EXIT SIGN	
[Symbol]		EMERGENCY EXIT LIGHT	
[Symbol]		EXHAUST FAN, REFER TO MECHANICAL	
[Symbol]		SUPPLY AIR, REFER TO MECHANICAL	

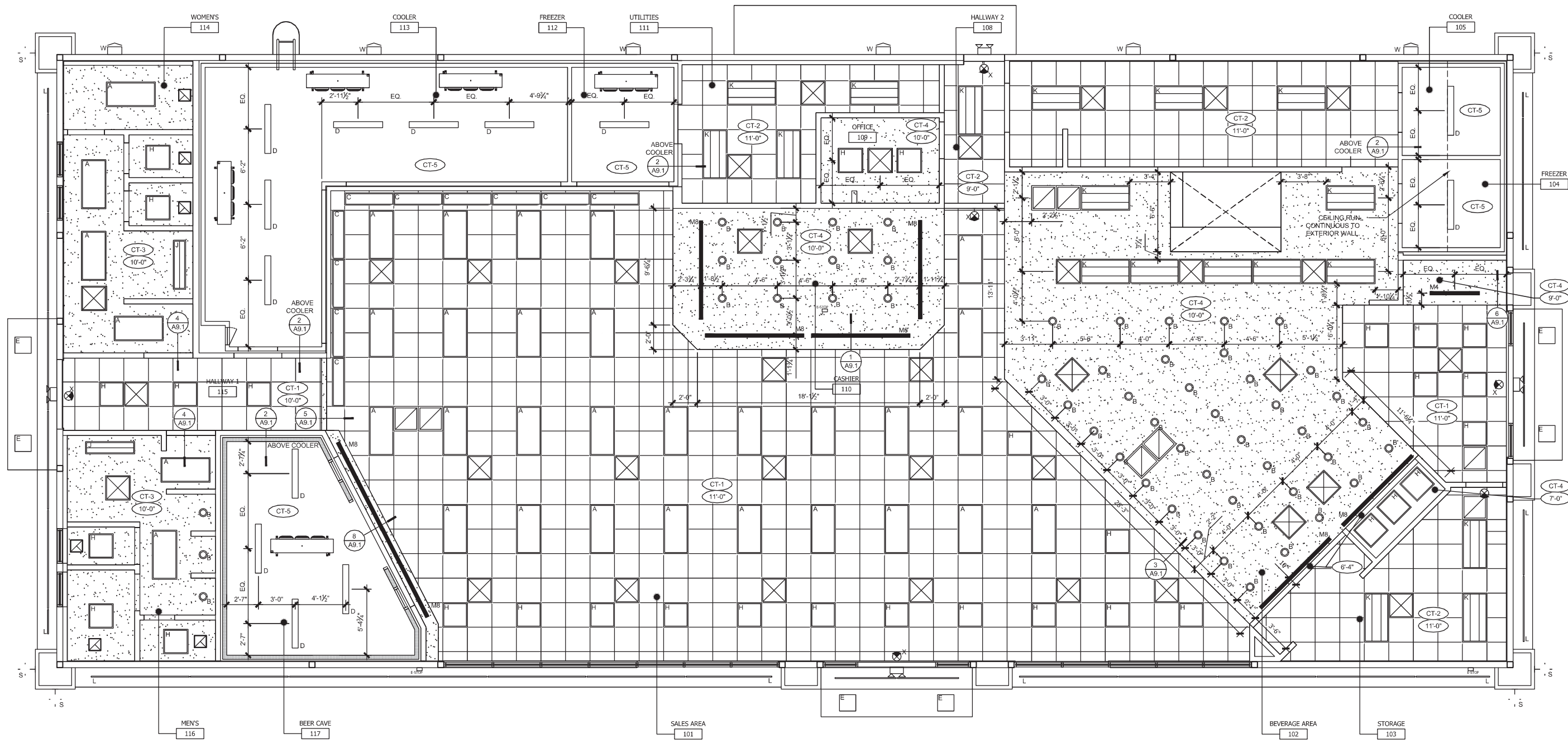


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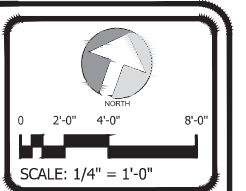

 EXAMINER: PKZSRMPTX18M1P00000000
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



SOFFIT DETAIL SCALE 1/4"=1'-0" 2



REFLECTED CEILING PLAN SCALE 1/4"=1'-0" 1



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1 <td>ISSUE FOR PERMIT</td> <td>11/14/2022</td>	ISSUE FOR PERMIT	11/14/2022

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REFLECTED CEILING PLAN

Project No. 170-84-00	Sheet
Date AS NOTED	A4.0
Scale AS NOTED	

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EXAMINER: PK2534PX1183ALP2020P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

KEYED NOTES

- FLOOR DRAINS PROVIDED IN RESTROOMS, COORDINATE WITH PLUMBING DRAWINGS.
- NO TILE REQUIRED, SEAL CONCRETE NON-SLIP FLOOR. CONTRACTOR TO ADD H&C SHARKGRIP TO COOLER AREAS.

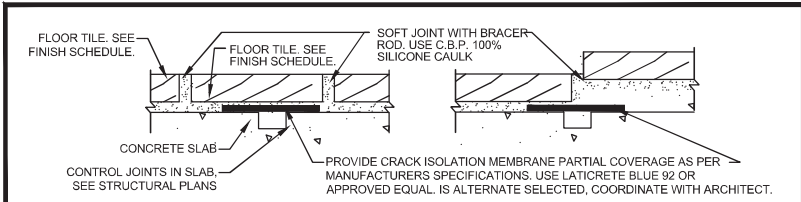
KEYED LEGEND

FRP WALL

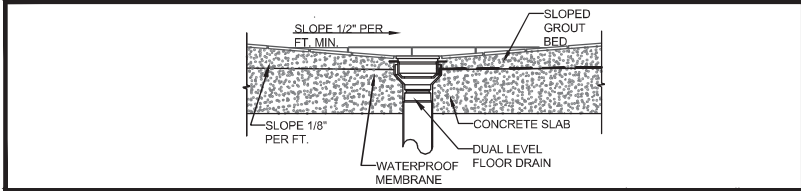
STAINLESS STEEL WALL

GENERAL NOTES

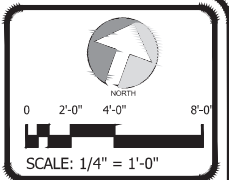
- SEE REFLECTED CEILING PLAN FOR CEILING MATERIALS AND HEIGHTS.
- SEE A-10.0 FOR ADDITIONAL FINISH INFORMATION.
- SEE SHEET A-10.1 FOR FINISH LEGEND.
- ALL CORNERS WITHOUT TILE TO RECEIVE R0100AE ALUMINUM CORNER GUARDS. VERIFY WITH OWNER.
- ALL CORNERS WITH TILE TO RECEIVE CLEAR, PLASTIC CORNER GUARDS FROM TOP OF BASE COVE TO 38" AFF. VERIFY WITH OWNER.
- COORDINATE FLOOR DRAINS WITH PLUMBING DRAWINGS.
- SLANT BASE TILE IS TO BE USED IN ANY AREA WHERE FLOOR TILE ABUTS WALL TILE.
- SCHLUTER DILEX IS TO BE USED AT ALL AREAS WHERE TILE IS SHOWN.



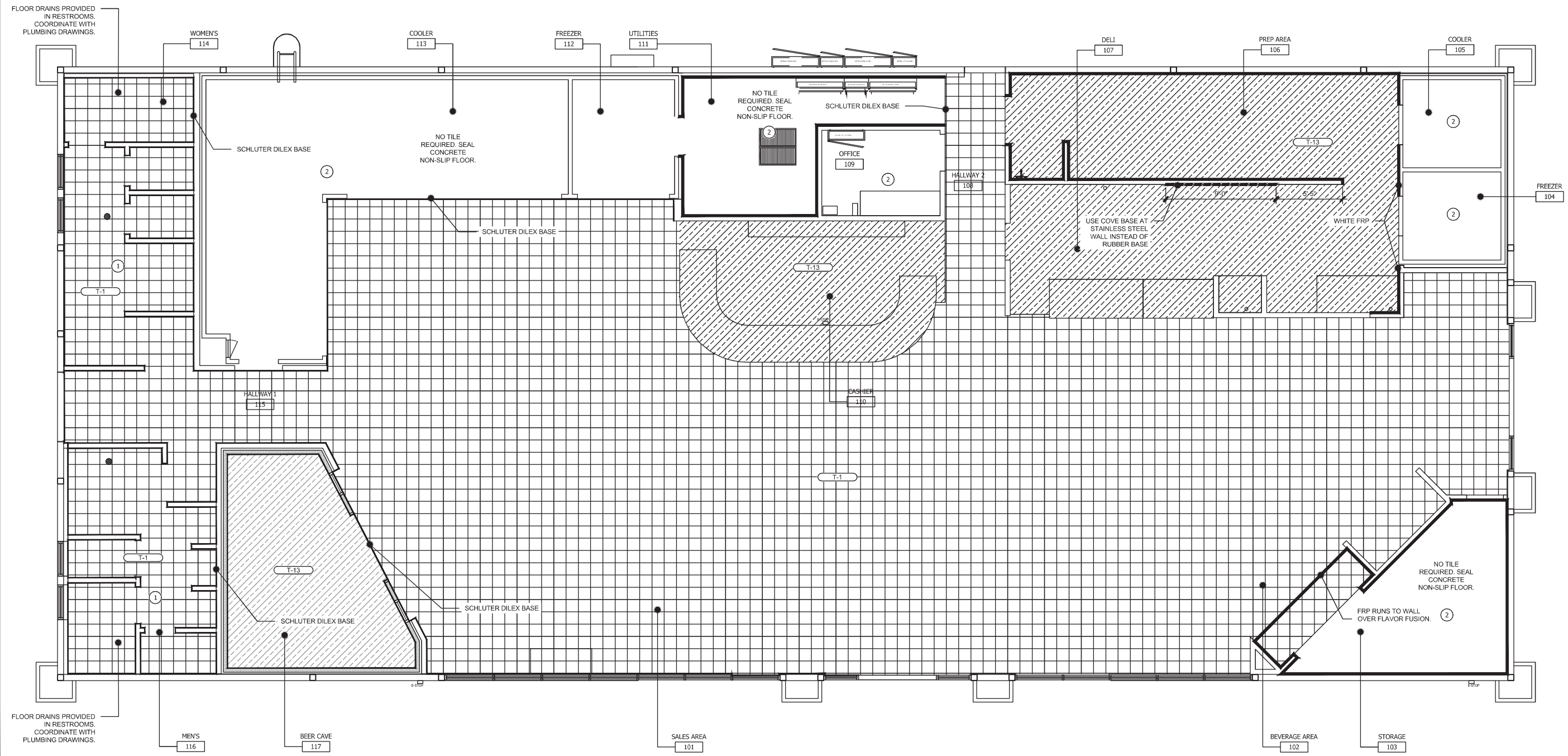
TILE CRACK ISOLATION MEMBRANE SCALE 1/4"=1'-0" 3



FLOOR DRAIN TILE DETAIL SCALE 1/4"=1'-0" 2



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Sheet Title
FINISH PLAN

Project No.
 170-84.00

Date
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A5.0

FINISH PLAN SCALE 1/4"=1'-0" 1

KEYED NOTES:

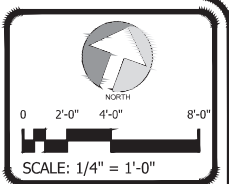
- ① TPO FIRESTONE 60 MIL ROOFING SYSTEM OVER MINIMUM 5" FIRESTONE ISO 95+GL INSULATION ON 22 GAUGE METAL DECK.
- ② PITCH PAN COORDINATE LOCATION WITH ELECTRICAL AND MECHANICAL CONTRACTOR. SEE DETAIL 3/A6.1 FOR MORE INFORMATION.
- ③ VENT THRU ROOF - PROVIDE PREFABRICATED DURO-LAST VENT FLASHING FOR ALL VENTS AND PIPE PENETRATIONS. COORDINATE LOCATION WITH PLUMBING CONTRACTOR. SEE DETAIL 1/A6.1 FOR MORE INFORMATION.
- ④ 5"x5" DOWNSPOUTS LOCATED AS SHOWN. TIE INTO STORM DRAINAGE PIPING UNDERGROUND. REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION.
- ⑤ ROOF CRICKET WITH SLOPE EQUAL TO ROOF. SEE DETAIL 5/A6.1 FOR MORE INFORMATION.
- ⑥ MECHANICAL UNIT, REFER TO HVAC PLANS.
- ⑦ EXHAUST FAN, REFER TO HVAC PLANS.
- ⑧ CONDENSER UNITS, REFER TO MECHANICAL AND ELECTRICAL FOR SPECIFICATIONS.
- ⑨ X-TRED WALKWAY PAD, ITEM NUMBER W56TPO301X OR APPROVED EQUAL. VERIFY WITH OWNER. FURNISHED AND INSTALLED BY ROOFING SUBCONTRACTOR.
- ⑩ INSTALL CANDY CANE STYLE PENETRATIONS FOR ALL ROOFTOP EQUIPMENT.

GENERAL NOTES

1. THE ROOF STRUCTURE SHALL NOT BE USED FOR STOCKPILING OF EQUIPMENT OR MATERIALS UNLESS APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND THE JOIST MANUFACTURER.
2. THE ROOFING SYSTEM SHALL BE AS PER DRAWINGS AND PER CONSTRUCTION SPECIFICATIONS.
3. COORDINATE ROOF ELEVATIONS WITH STRUCTURAL DRAWINGS.
4. ROOF TOP UNITS: GENERAL CONTRACTOR TO INSTALL FLASHING AND COUNTER-FLASHING TO ROOFING MANUFACTURER SPECIFICATIONS.
5. PRESSURE WASH ROOF PRIOR TO COMPLETION OF THE STORE.
6. CONTRACTOR TO INSTALL OVERFLOW SENSORS TO ALL ROOF TOP RTU UNITS.
7. CONTRACTOR TO INSTALL TWO (2) LAYERS OF THREE (3) INCH ISO INSULATION STAGGERED OVER 1" METAL DECKING. THESE CREATE 17.4 X 2 = 34.8 LETTR R VALUE. THE INSULATION IS TO BE INSTALLED FULLY ADHERED USING OLY BOND 500 SPOT SHOT BY GAF. TPO 60 MIL WHITE IS FULLY ADHERED TO THE ISO INSULATION USING TPO BONDING ADHESIVE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS. ALL VERTICAL PARAPET WALLS SHALL HAVE 60 MIL WHITE TPO MATERIALS INCLUDING PARAPET CAP.
8. WHERE THE PARAPET IS NOT 42 INCHES IN HEIGHT AND EQUIPMENT IS LOCATED WITHIN 10 FEET OF THE ROOF EDGE, A GUARD SHALL BE REQUIRED TO BE PLACED TO PROTECT SERVICE PERSONNEL. GUARD SHALL NOT ALLOW THE PASSAGE OF A 21-INCH SPHERE AND SHALL EXTEND 30 INCHES BEYOND EACH END OF EQUIPMENT REQUIRING SERVICE. (PER FBC-MECH 304.11)

PLAN SYMBOLS

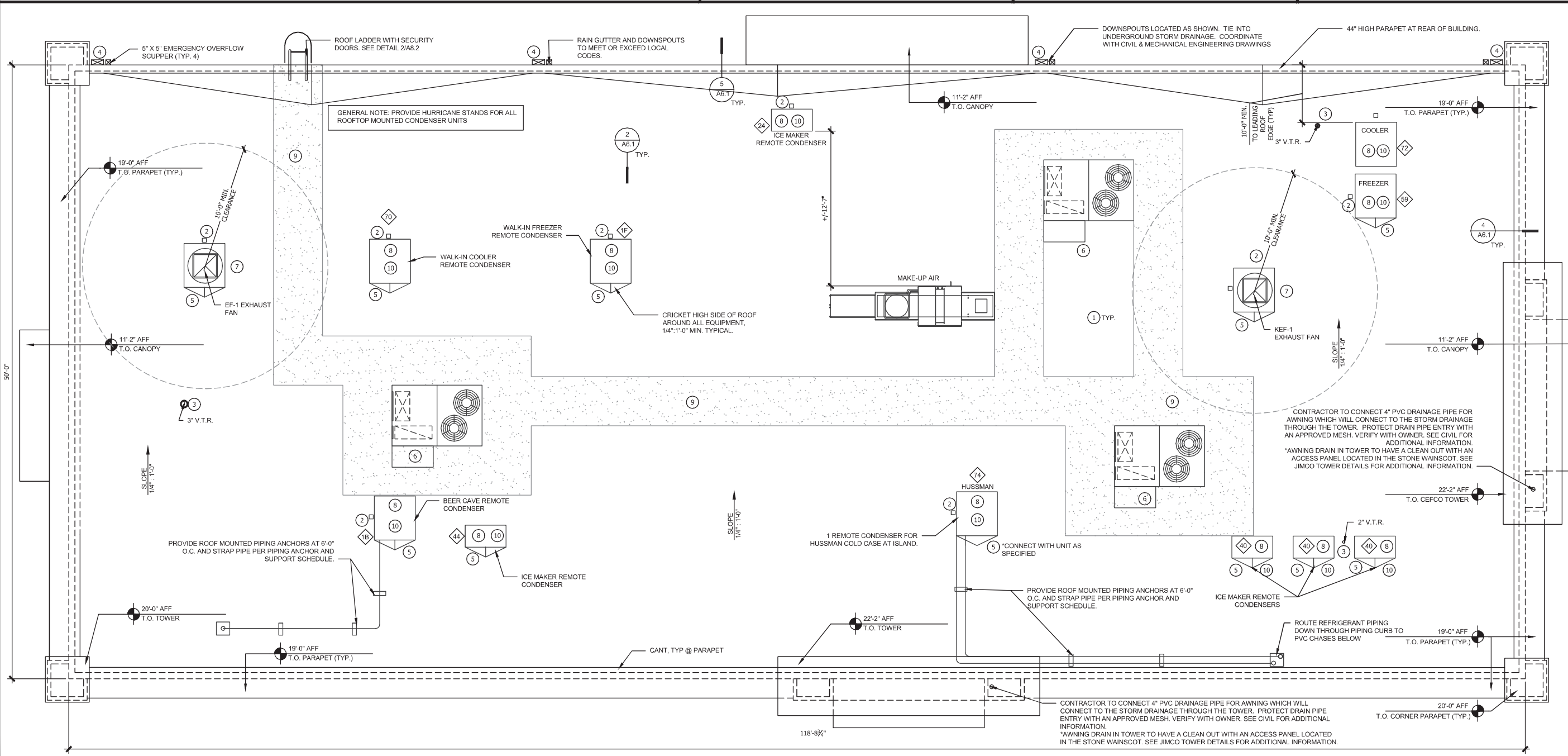
- △ REVISION NUMBER
- ⊗ KEYNOTE
- ◆ EQUIPMENT TAG - REFER TO PAGE A3.0
- ⊙ DETAIL TAG
- ⊙/AXY PLAN DETAIL
- ⊙ ELEVATION DATUM TAG



REVIEWED FOR CODE COMPLIANCE



EXAMINER: P2258MPX18SLP203P2109
FBC CODE: 2020 FBC
DATE: 02/03/2023



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1	ISSUE FOR PERMIT	11/14/2022

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
ROOF PLAN

Project No.
 170-84-00

Date
 AS NOTED

Scale
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Sheet
A6.0

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX253MPX1183LP20P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

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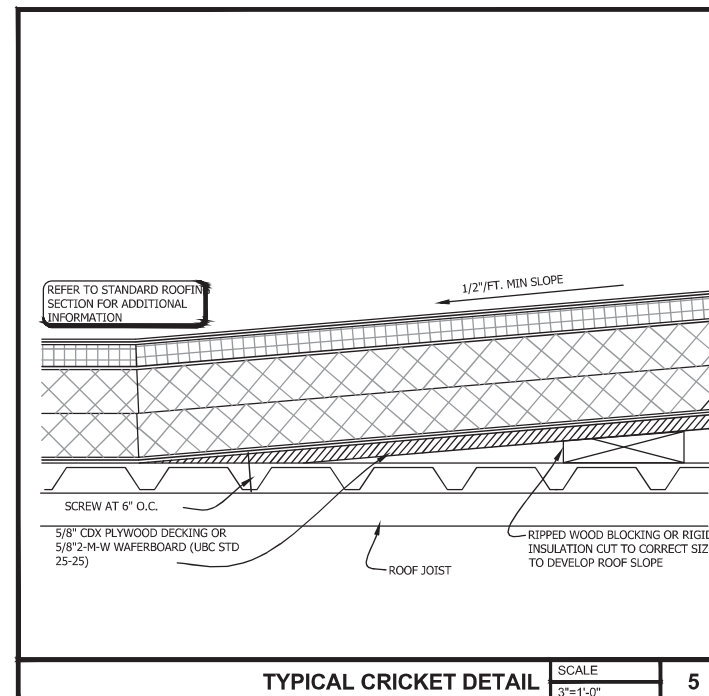
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
ROOF DETAILS

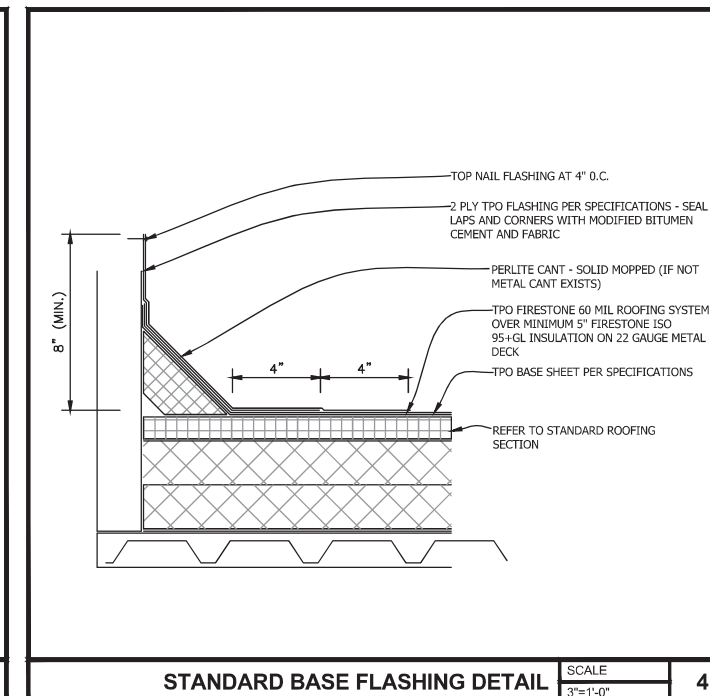
Project No.
 170-84.00
 Date
 AS NOTED
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 AS NOTED

Sheet

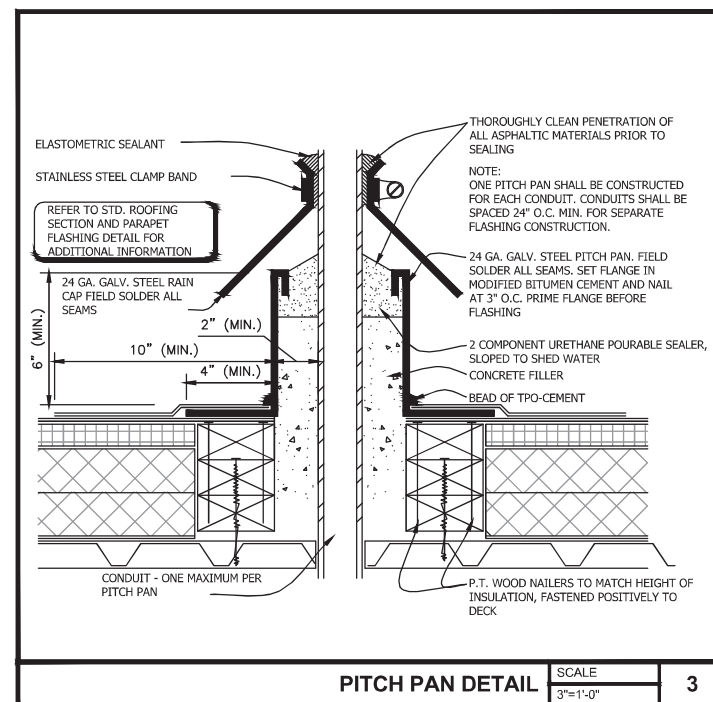
A6.1



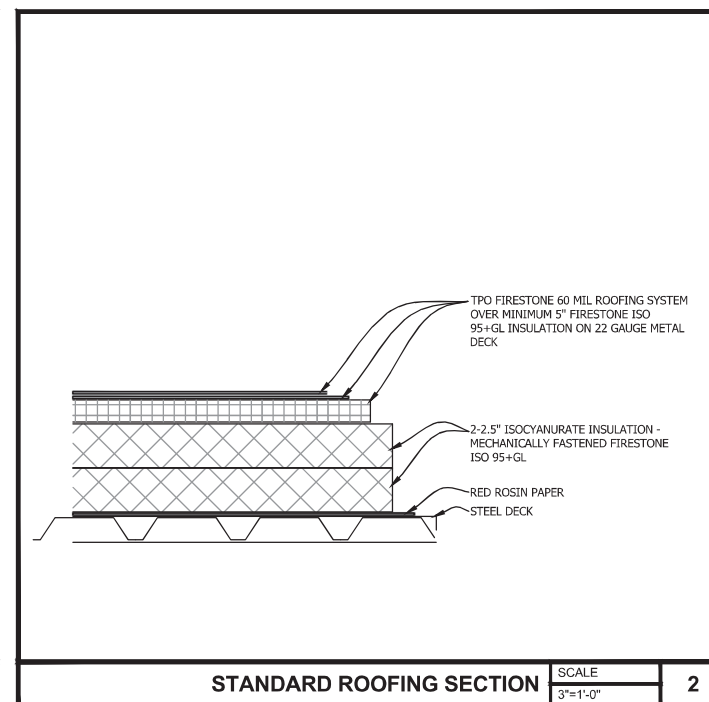
TYPICAL CRICKET DETAIL SCALE 3"=1'-0" 5



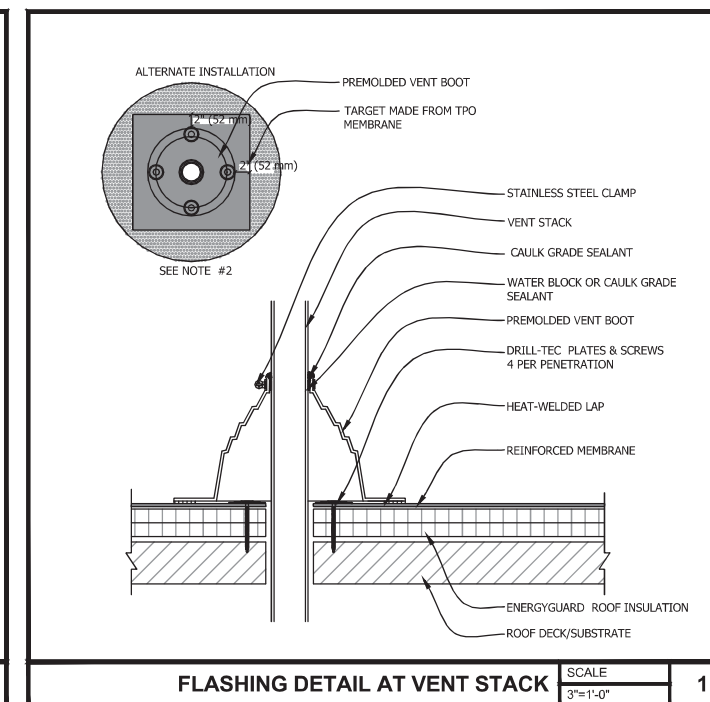
STANDARD BASE FLASHING DETAIL SCALE 3"=1'-0" 4



PITCH PAN DETAIL SCALE 3"=1'-0" 3



STANDARD ROOFING SECTION SCALE 3"=1'-0" 2



FLASHING DETAIL AT VENT STACK SCALE 3"=1'-0" 1

EXTERIOR FINISH SCHEDULE

EXTERIOR BUILDING SPECIFICATIONS

- CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS.
 - STUCCO SYSTEM W/ 1" EPS BOARD OVER 5/8" DENSGLASS FIBERGLASS MAT GYPSUM SHEATHING W/ CONTINUOUS WEATHER RESISTIVE BARRIER OVER 18 GA 6" METAL STUDS @ 16" O.C. COLOR TO BE SHERWIN WILLIAMS SW6112 BISCUIT. (START REINFORCING MESH AT 0'-0" TO 10'-0").
 - PREFABRICATED CEFCO TOWER FW-2805 #28 BY JIMCO. GENERAL CONTRACTOR TO PROVIDE AND COORDINATE INSTALLATION.
 - METAL PANEL 26 GAUGE R-PANEL. PAINT SHERWIN WILLIAMS SW6112 BISCUIT.
- MANSARD ROOF SPECIFICATIONS**
- 36" / 56" FASCIA SYSTEM RED ACM FP-1
7" FASCIA SYSTEM YELLOW ACM FP-2.
- DOORS AND FRAMES**
- PAINT TO MATCH BUILDING. SHERWIN WILLIAMS SW6112 BISCUIT.

FLASHING SPECIFICATIONS

- DURO-LAST VINYL COATED METAL COPING, COLOR SW6112 BISCUIT. FROM DURO-LAST INC. 800-248-0280.
- COLLECTOR BOXES AND DOWNSPOUTS - BOTTOM 42". PAINT SW6115 TOTALLY TAN. TO MEET OR EXCEED ALL LOCAL, STATE AND FEDERAL CODES.
- COLLECTOR BOXES AND DOWNSPOUTS - ABOVE 42". PAINT SW6112 BISCUIT. TO MEET OR EXCEED ALL LOCAL, STATE AND FEDERAL CODES.

STOREFRONT SYSTEM SPECIFICATIONS

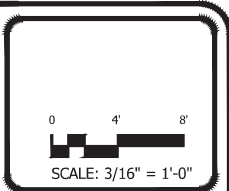
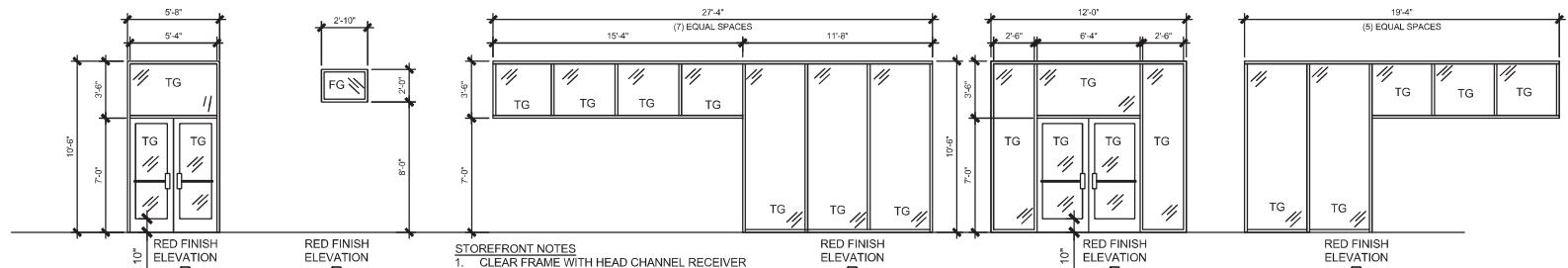
- ALUMINUM STOREFRONT FRAMING SYSTEM SIMILAR TO KAWNEER FA-SET S.S.O.1 WITH CLEAR GLAZING. 1" INSULATED GLAZING UNITS W/ LOW-E COATING. FRAME COLOR: PG UC138643XL DURANAR XL RED.

BUILDING SIGNAGE

- INTERNALLY ILLUMINATED CAN SIGN WITH CEFCO LOGO.
- ACCESS LADDER SW6112 BISCUIT.
- PRE-FAB AWNING COLOR TO BE CHOSEN BY OWNER.
- CORNICE TRIM COLOR TO BE CHOSEN BY OWNER.
- SIGNAGE PROVIDED BY OTHERS.
- ADDRESS NUMBERS IN COMPLIANCE WITH NFPA 1, 2018 EDITION WILL BE PROVIDED BY OWNER, LOCATED ABOVE ENTRY DOORS.

GENERAL NOTES

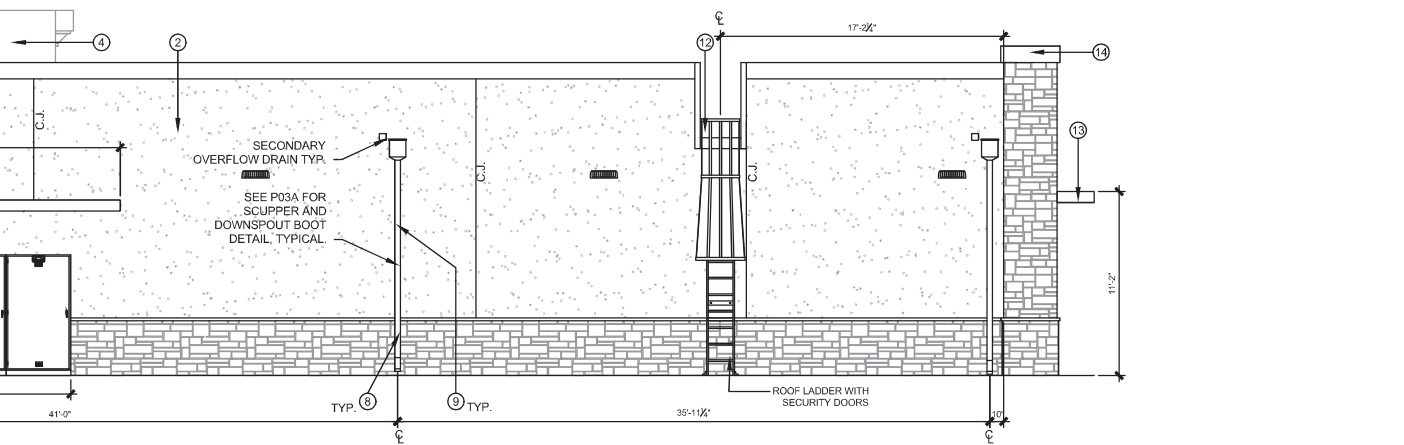
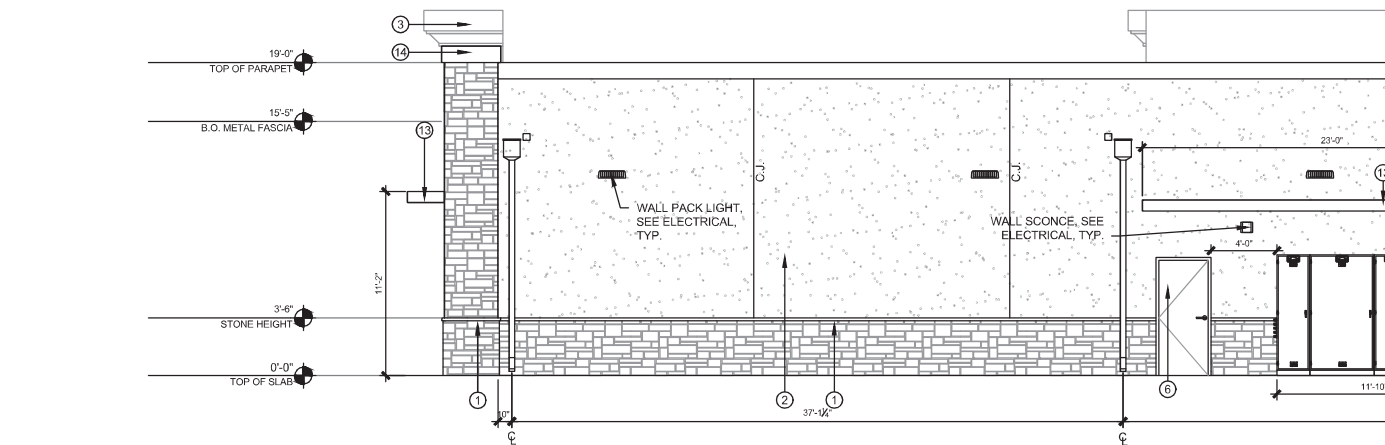
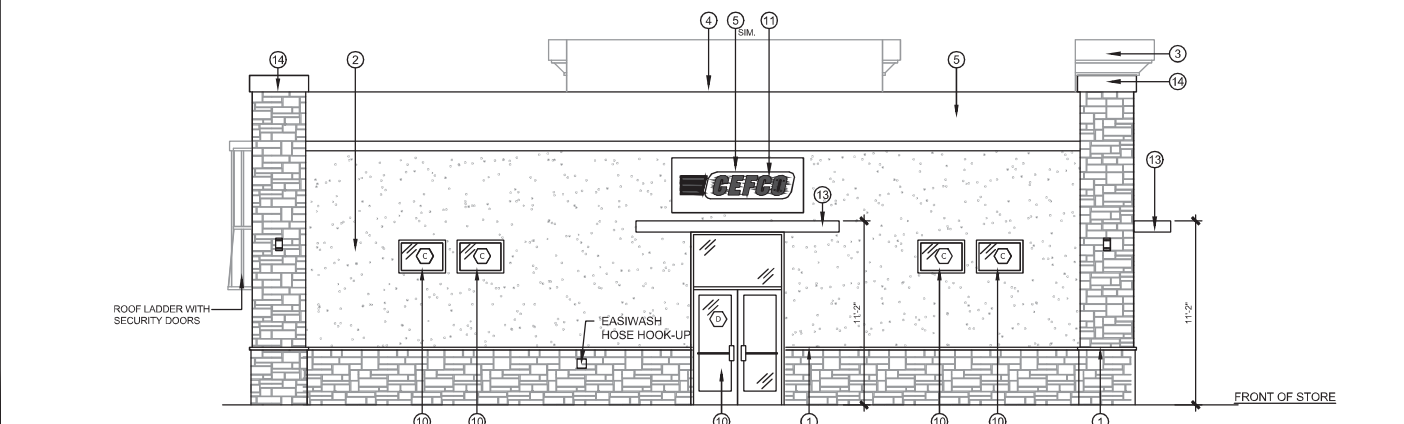
- GENERAL CONTRACTOR TO VERIFY ALL FINISHES WITH OWNER PRIOR TO CONSTRUCTION
- PRODUCT SUPPLIER TO SUBMIT COLOR / MATERIAL SAMPLES OF ALL MATERIALS TO OWNER



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Project Name and Address:
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PACE, FL 32571

Project No. 170-84-00
Date AS NOTED
Scale AS NOTED

Sheet Title: **EXTERIOR ELEVATIONS**

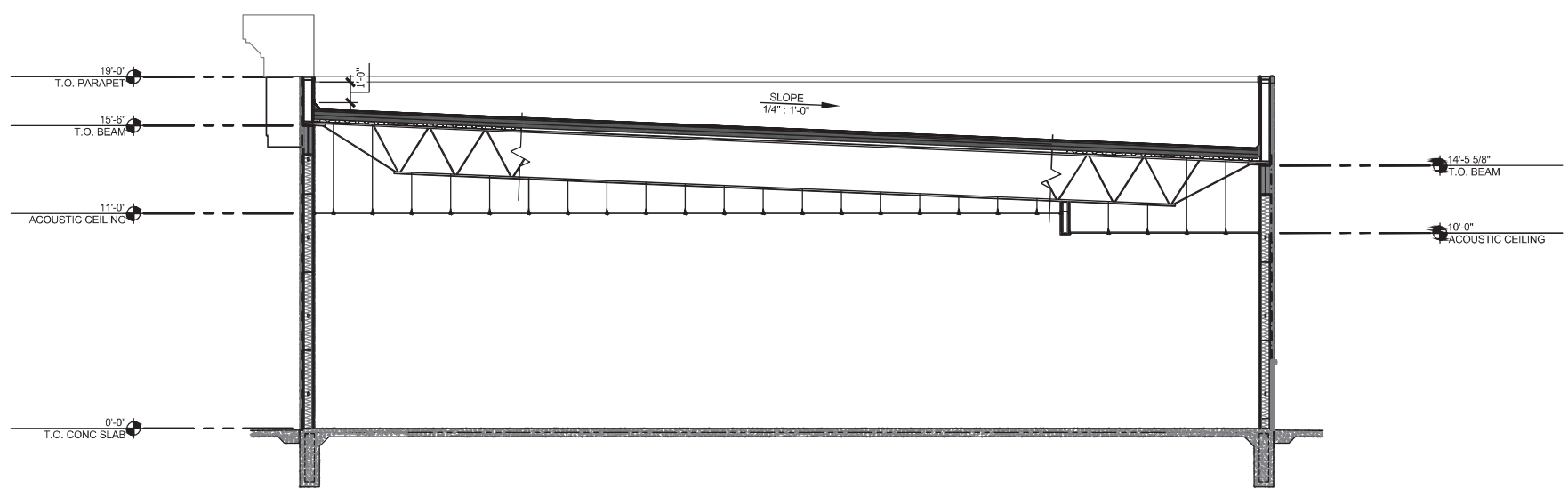
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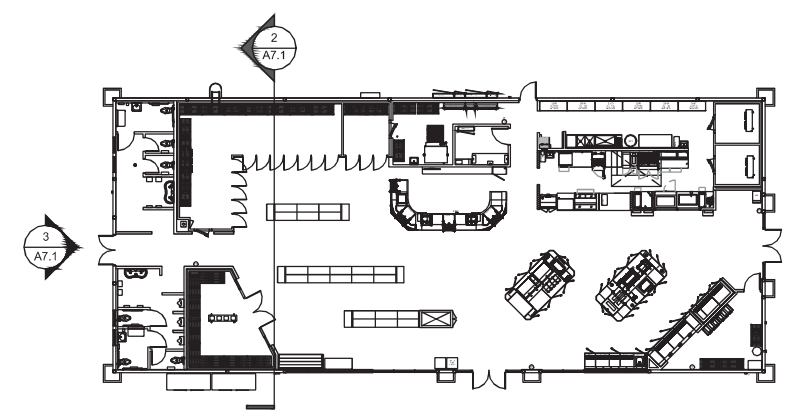
Coastal Code Services
EXAMINER: PJ25SAPPK11831P203P2109
FBC CODE: 2020 FBC
DATE: 02/03/2023



REFERENCE ELEVATION SCALE 1/4"=1'-0" 3



BUILDING SECTION SCALE 1/4"=1'-0" 2



REFERENCE PLAN SCALE 1/16"=1'-0" 1

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Coastal Code Services
Professional Plans & Construction Documents

EXAMINER: PK254PK1183MLP203PKZ109
 FBC CODE: 2020 FBC
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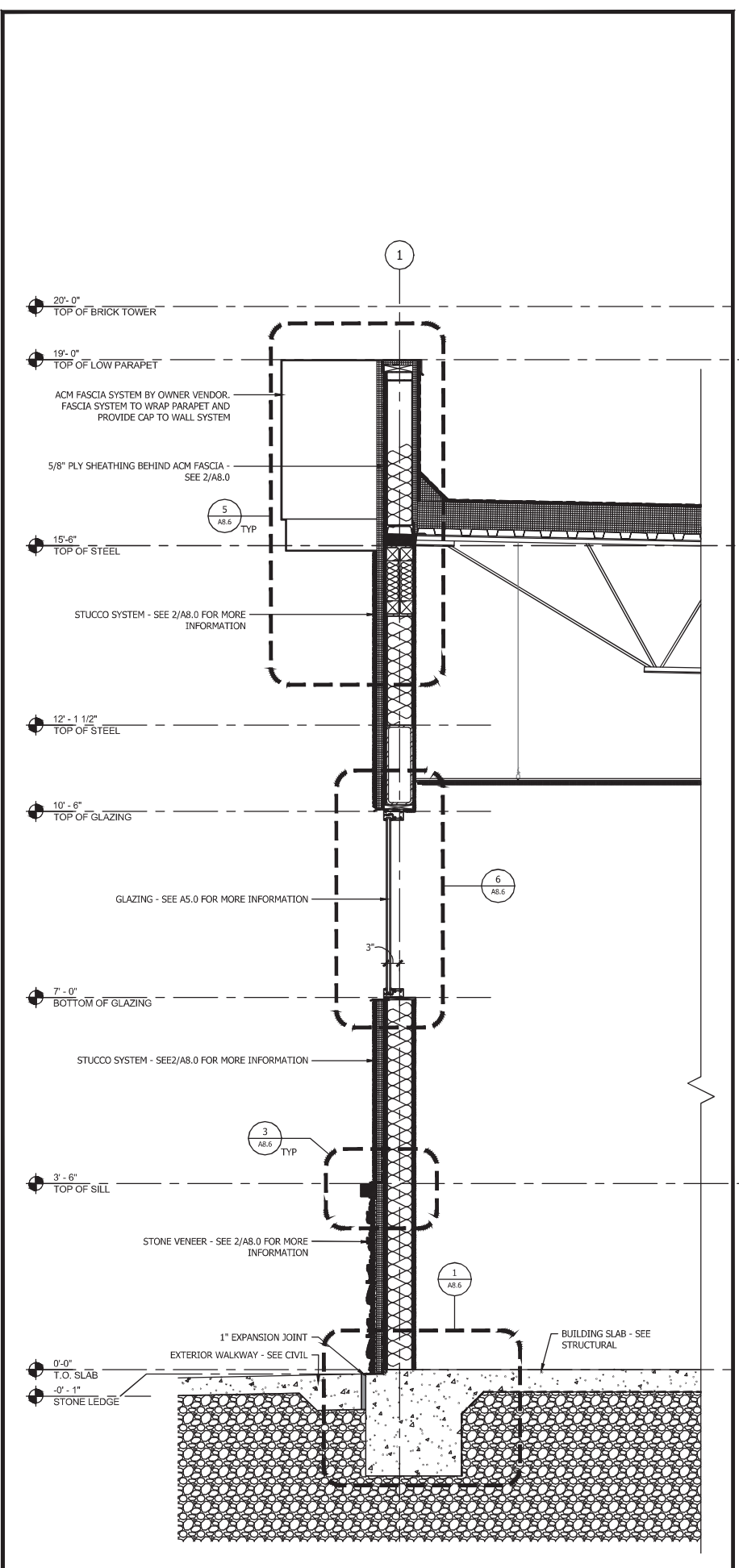
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Project No.
 170-84.00

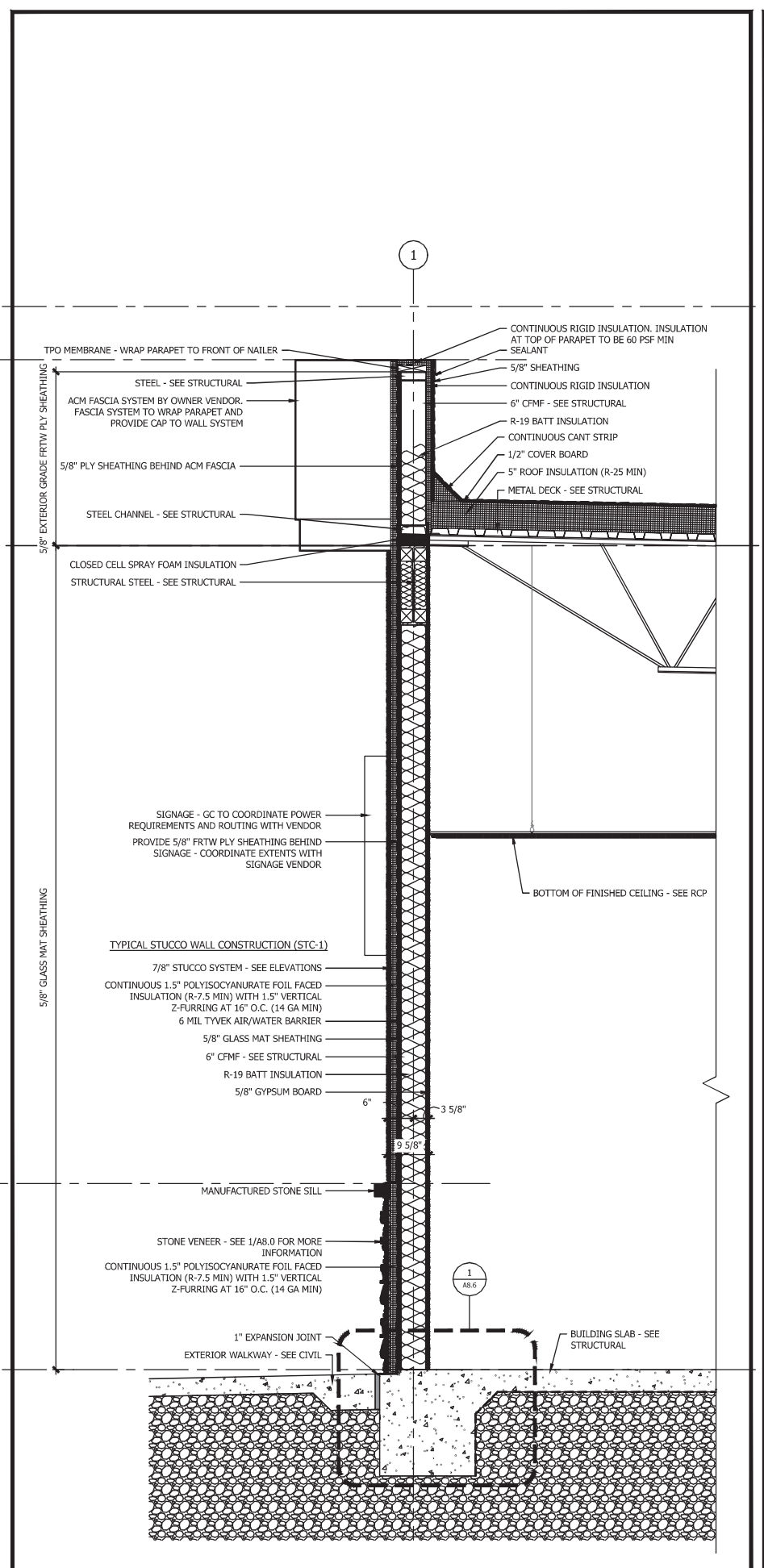
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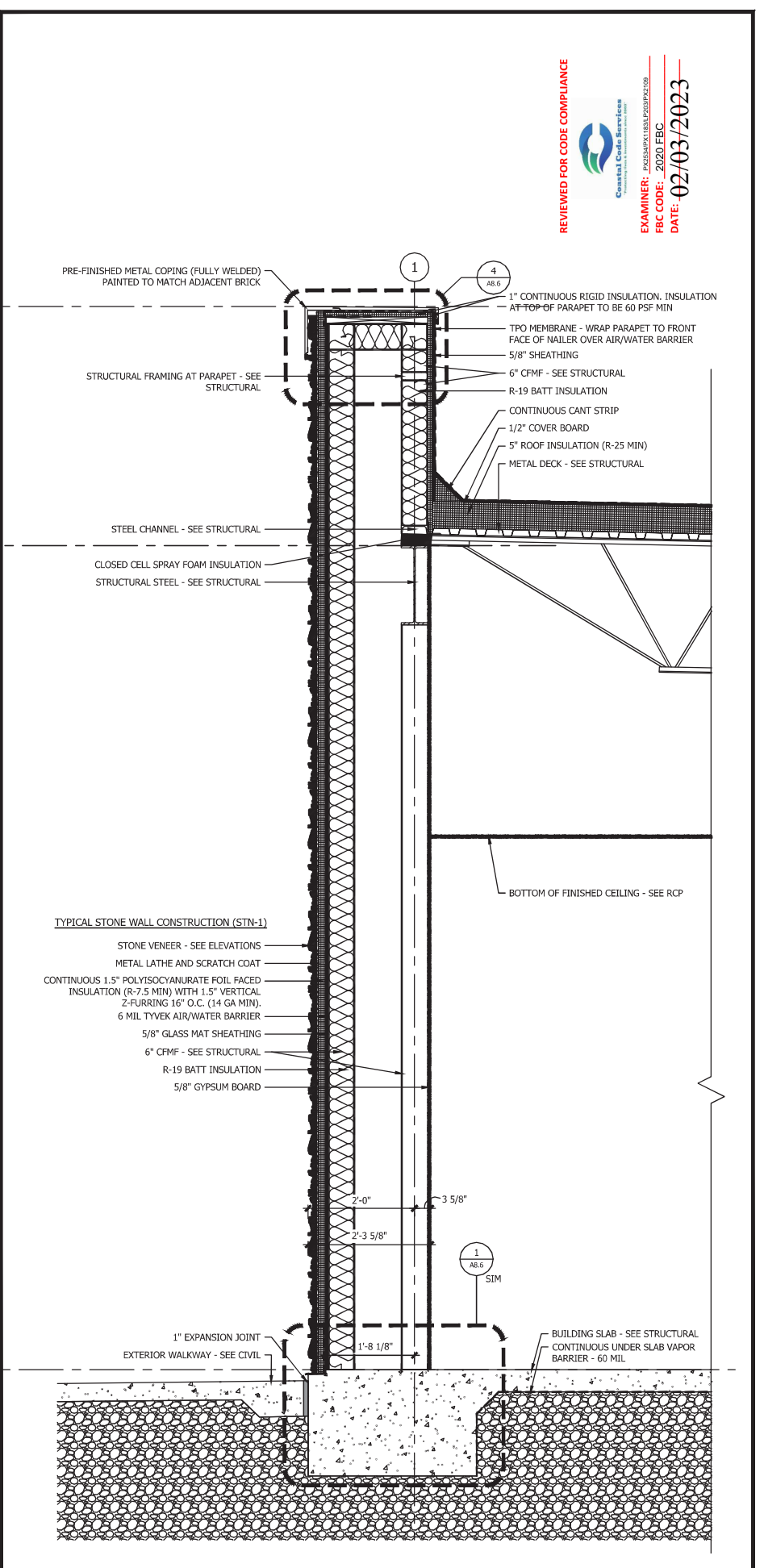
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A7.1



WALL SECTION SCALE 3/4"=1'-0" **3**



WALL SECTION SCALE 3/4"=1'-0" **2**



WALL SECTION SCALE 3/4"=1'-0" **1**

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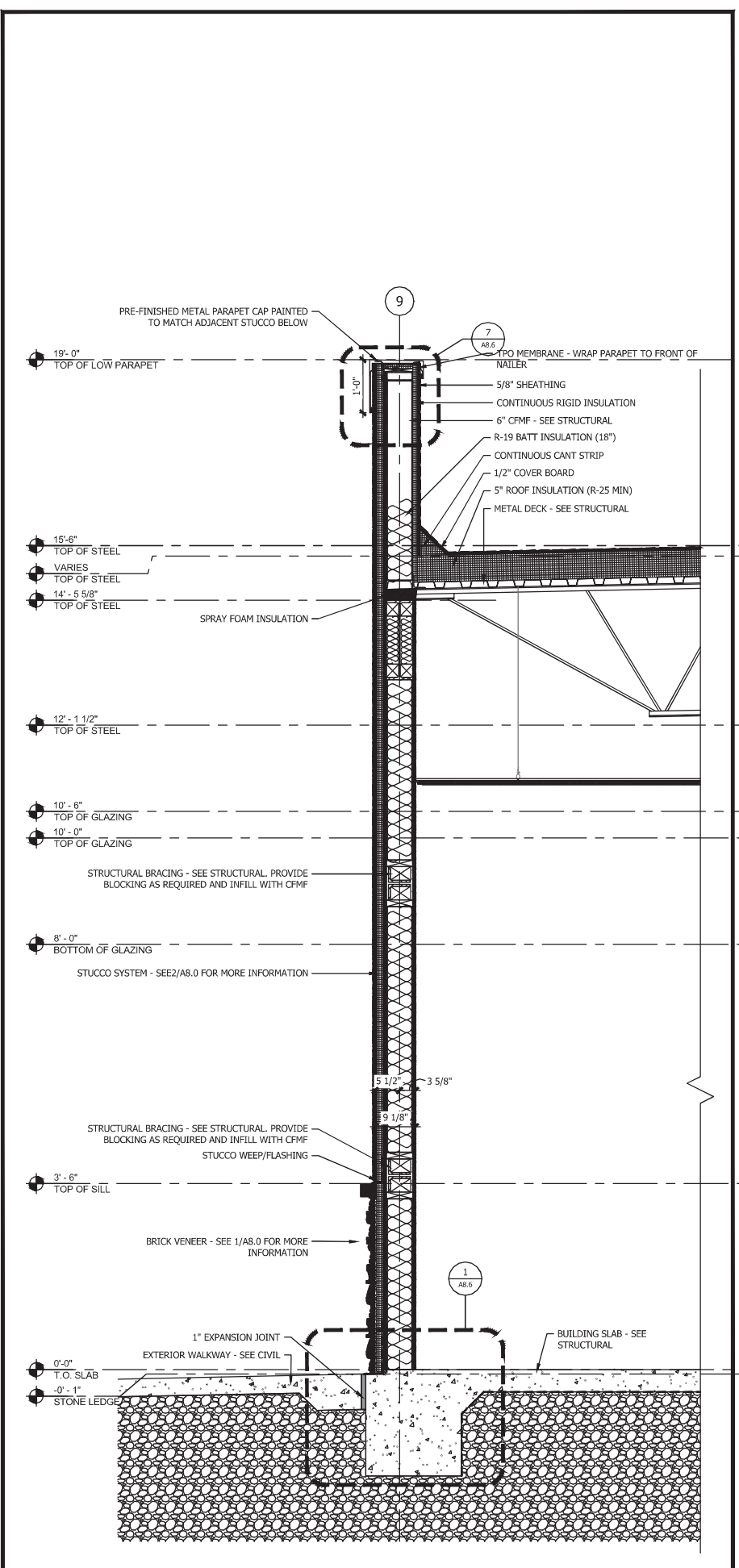
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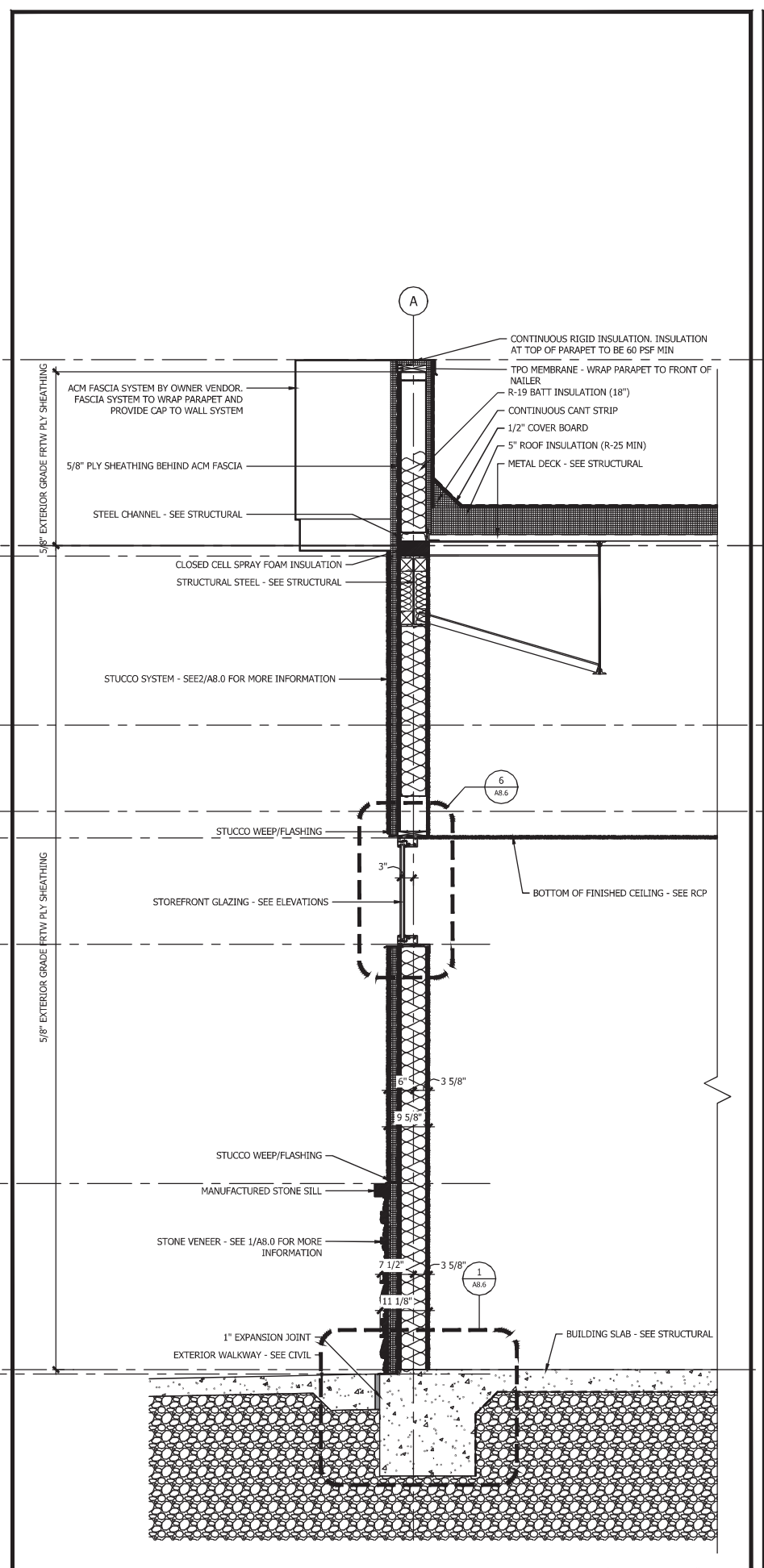
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
WALL SECTIONS

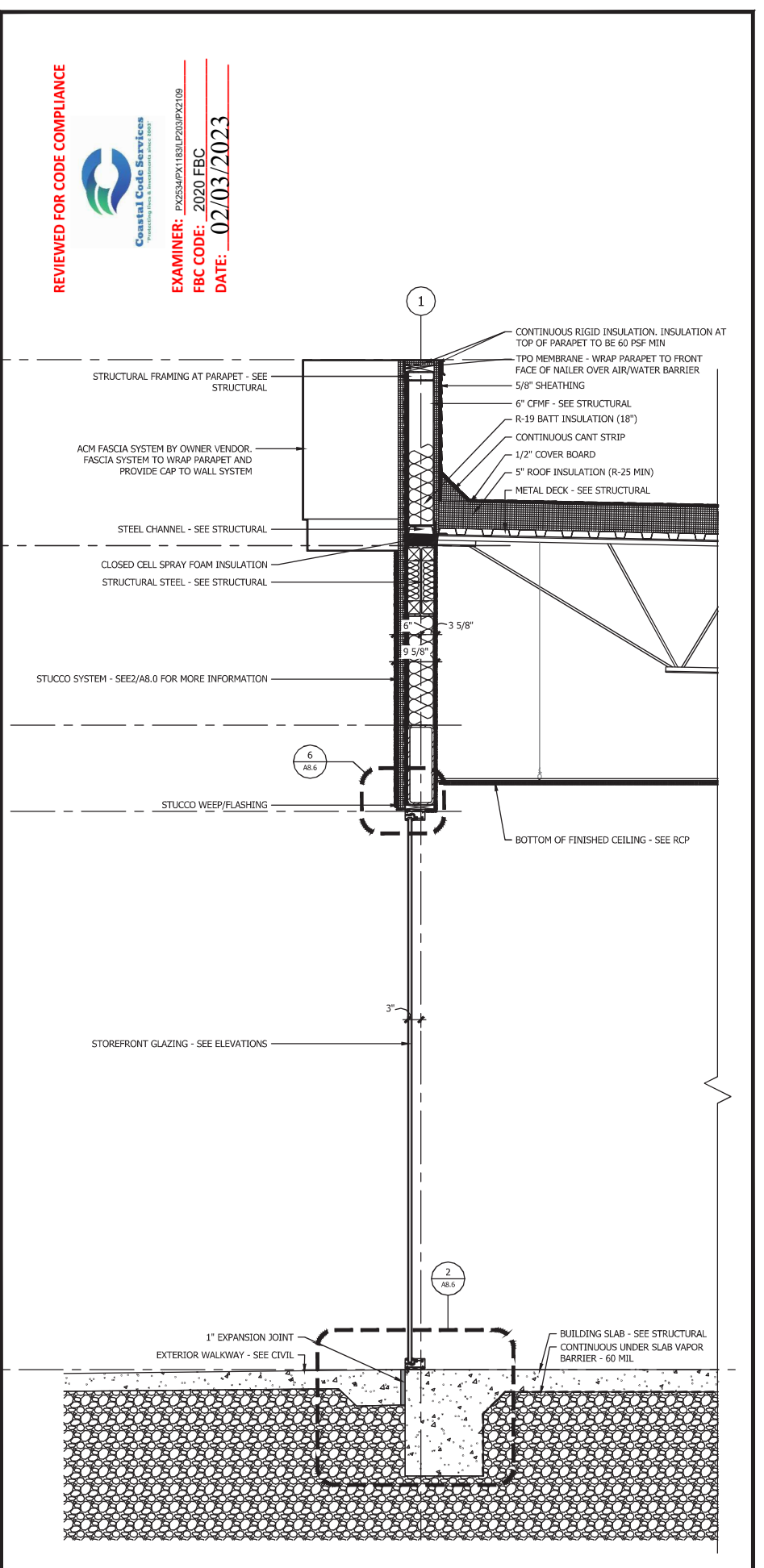
Project No. 170-84.00	Sheet
Date AS NOTED	A8.0
Scale AS NOTED	



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



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



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

REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
Professional Seals & Administrative Support

EXAMINER: PX2554FPX118NLP2020PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/15/2023

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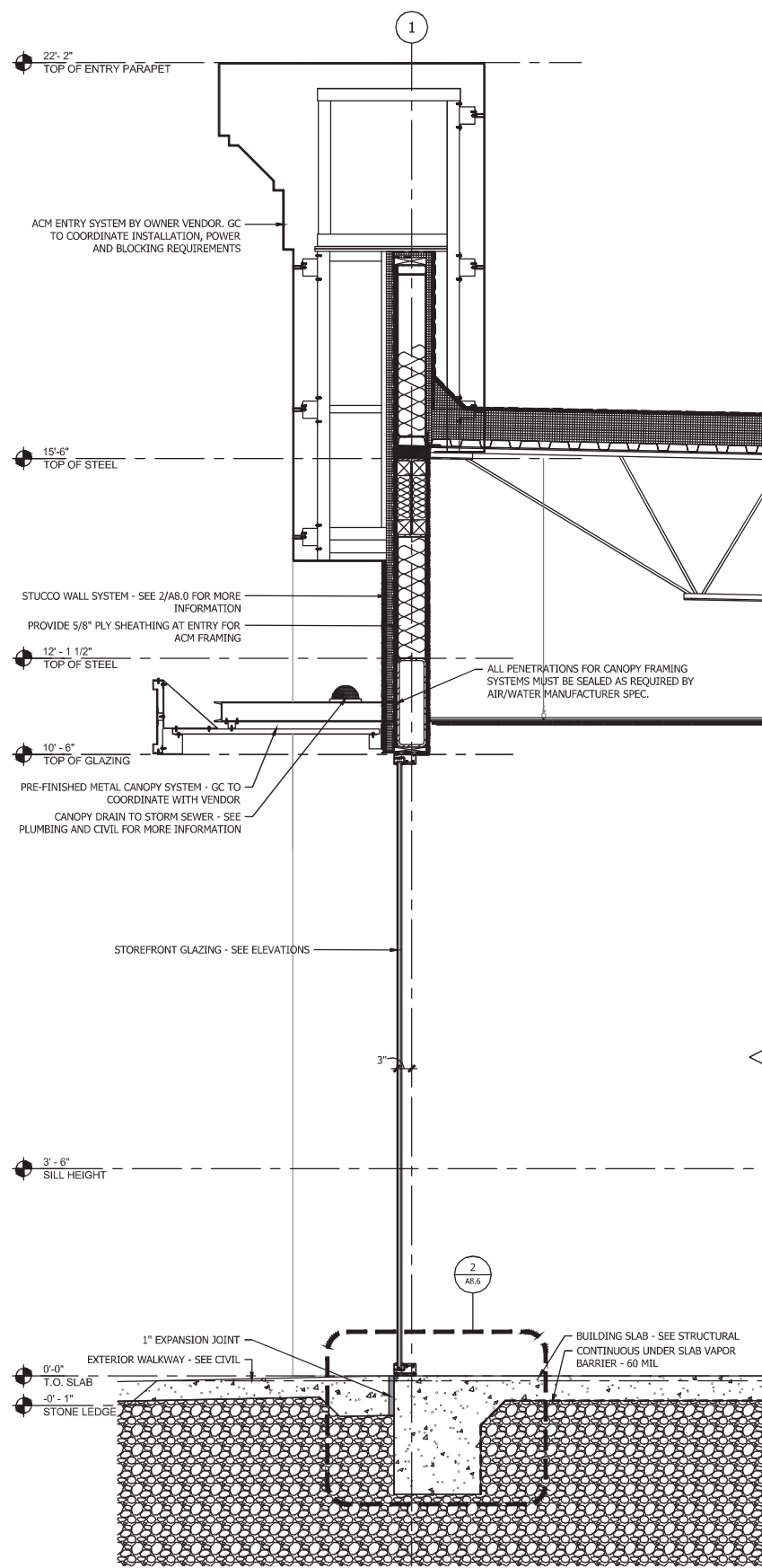
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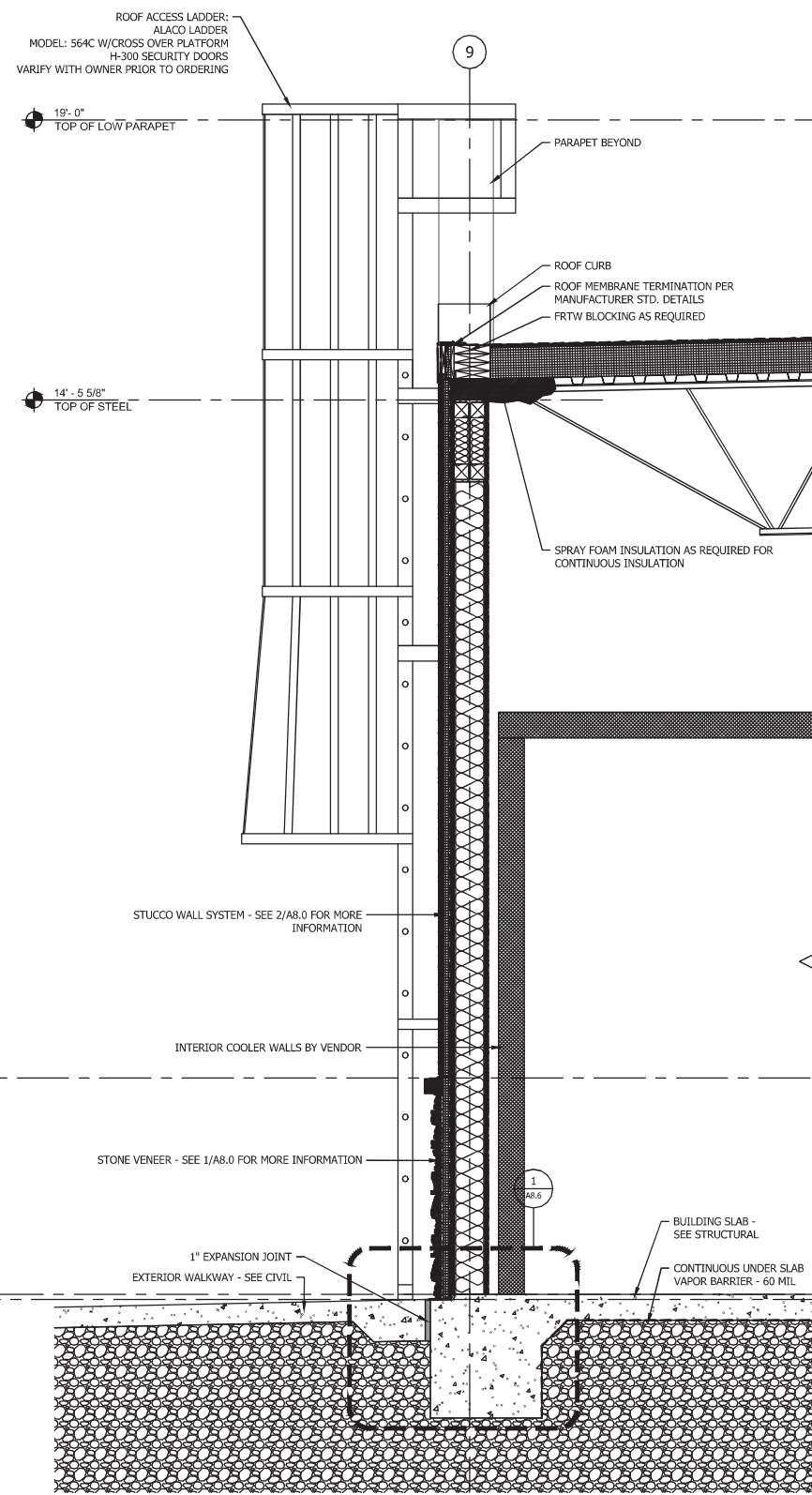
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Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

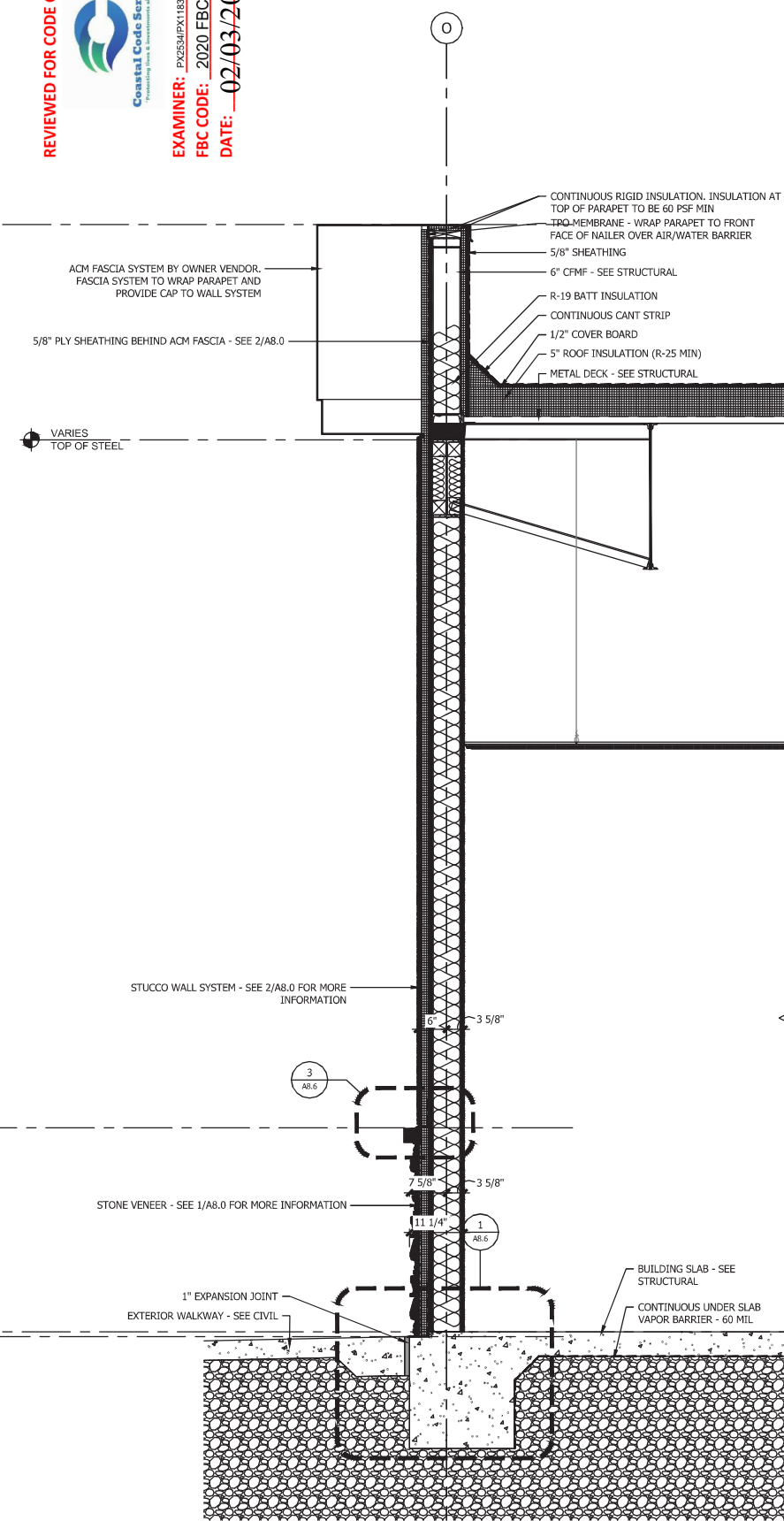
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WALL SECTION SCALE 3/4"=1'-0" 3



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



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

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2554PX118A1P203P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022



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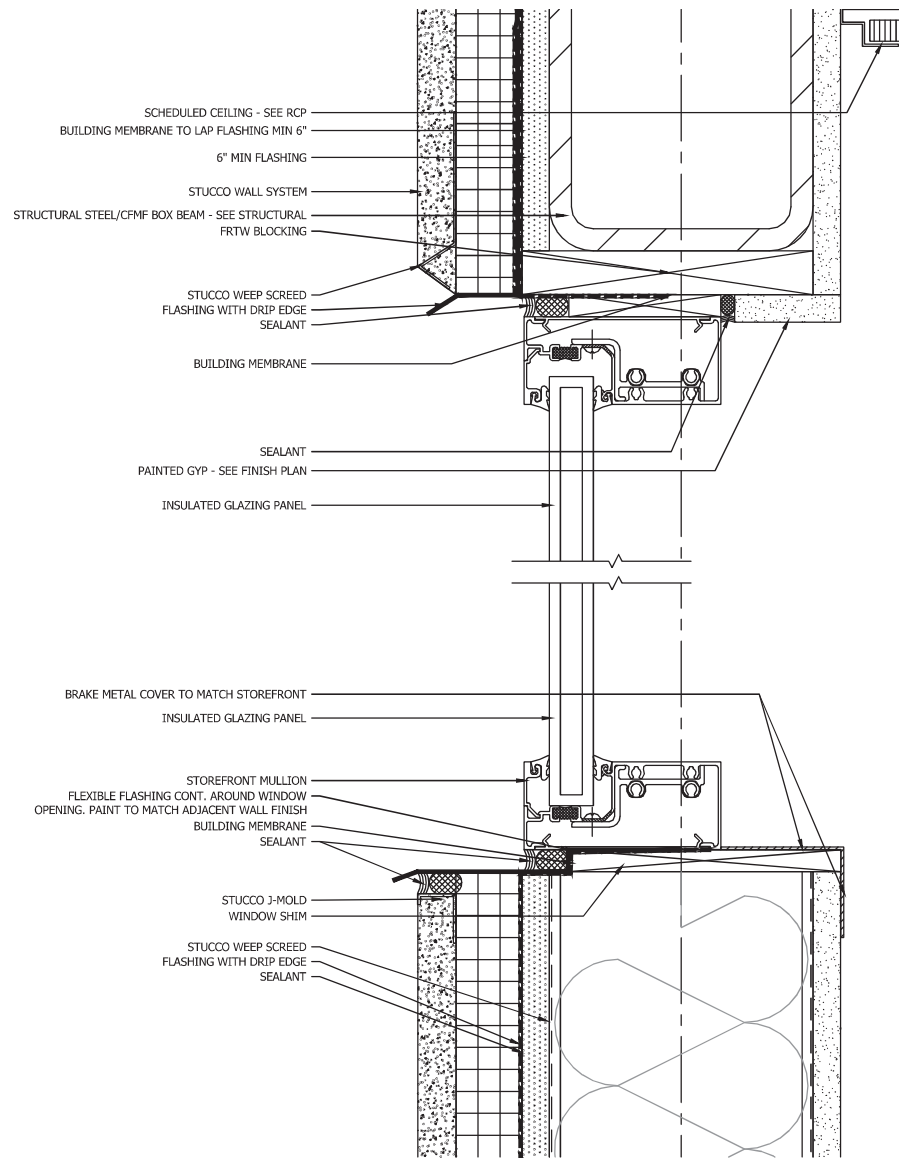
Sheet Title
WALL SECTIONS

Project No.
 170-84.00

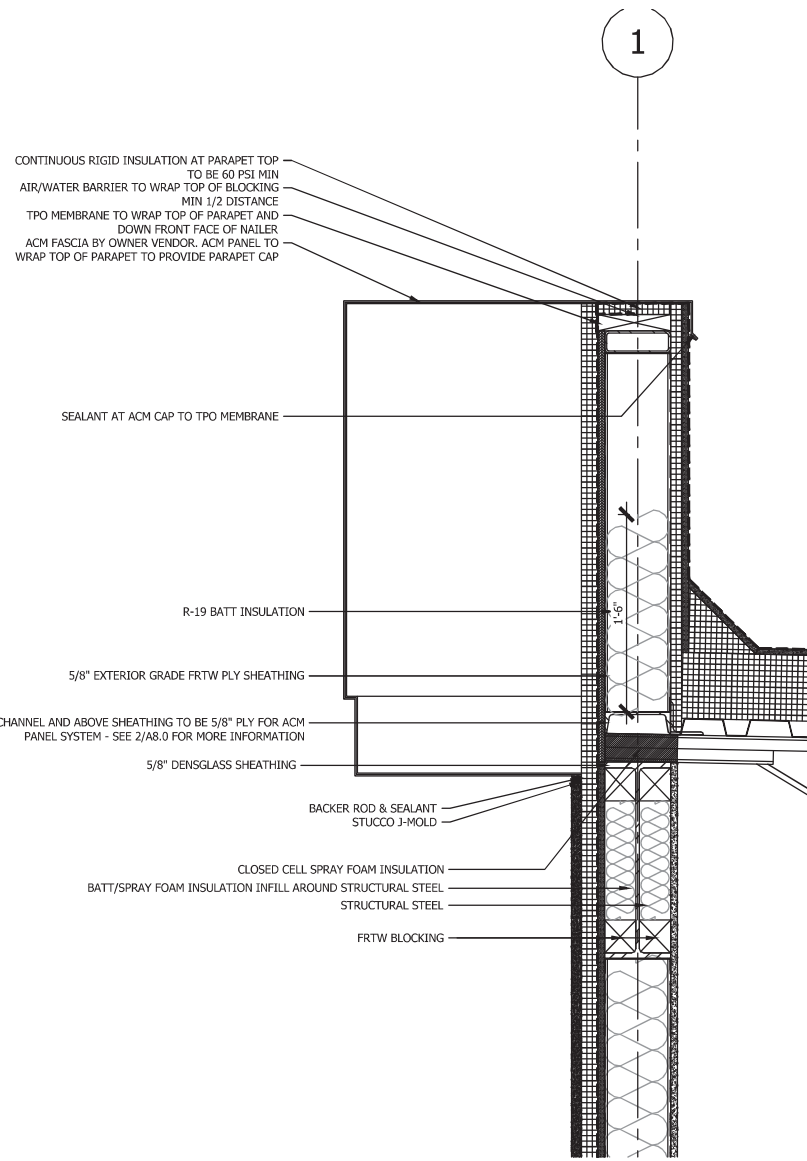
Date
 AS NOTED

Scale
 AS NOTED

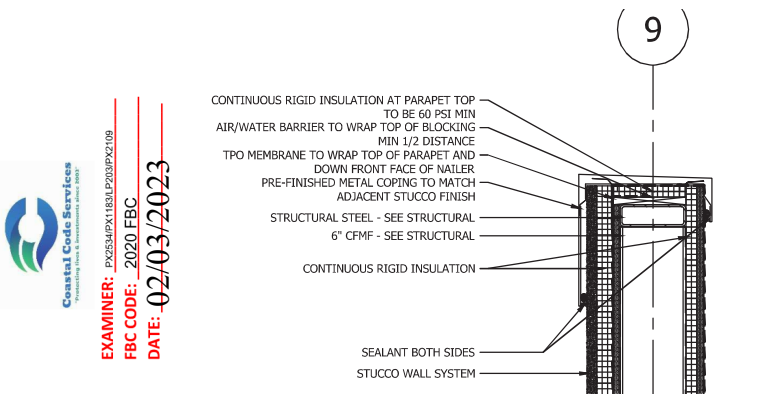
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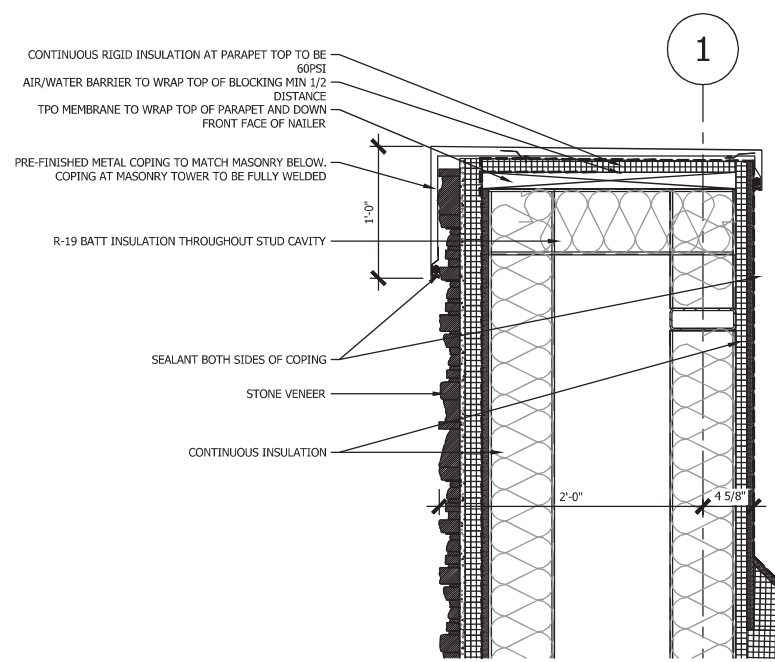
TOP/BOTTOM OF GLAZING AT STUCCO DETAIL SCALE 6"=1'-0" **6**



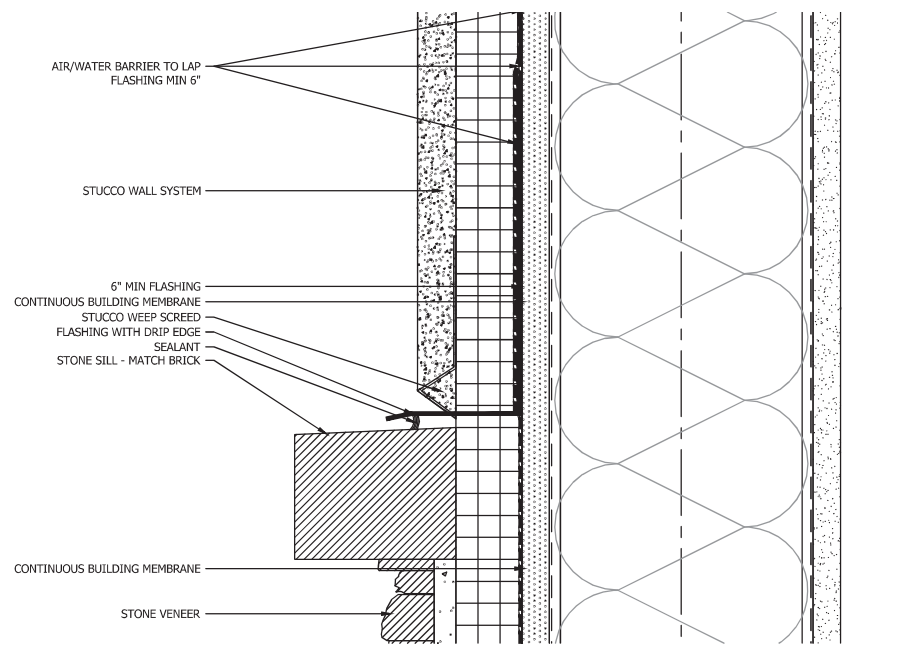
PARAPET DETAIL AT ACM PANEL SCALE 1 1/2"=1'-0" **5**



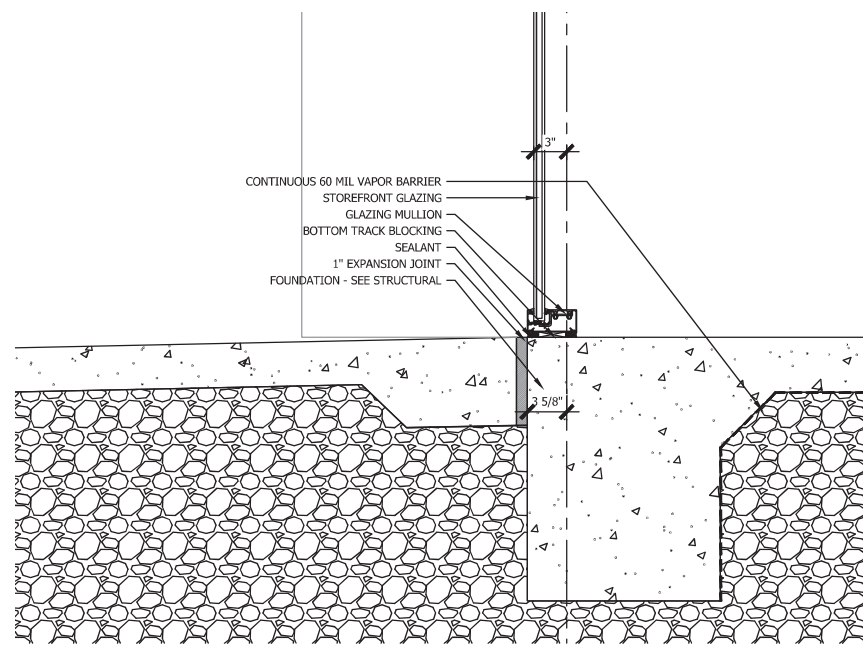
PARAPET DETAIL - TYP. SCALE 1 1/2"=1'-0" **7**



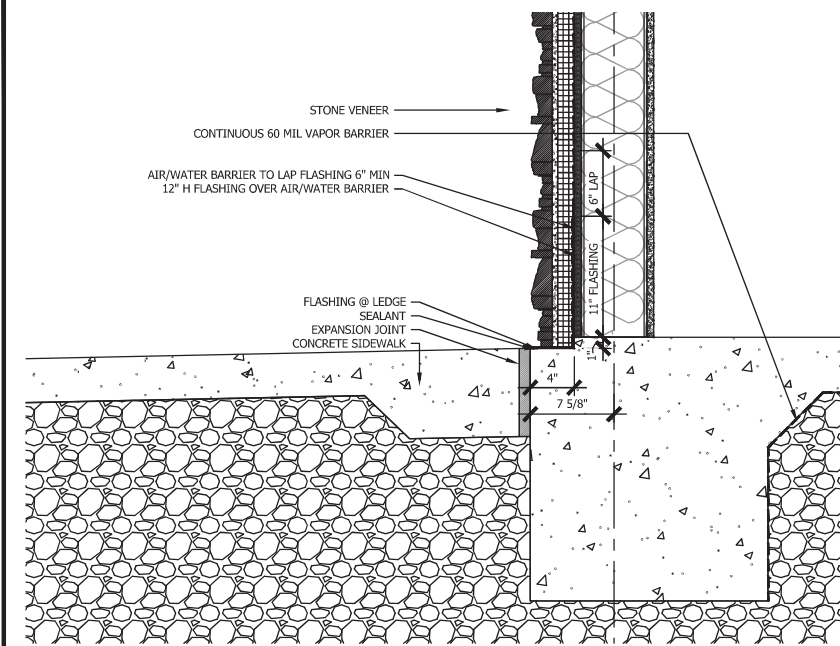
PARAPET DETAIL AT CORNER TOWER SCALE 1 1/2"=1'-0" **4**



STUCCO TO STONE DETAIL SCALE 6"=1'-0" **3**



FOUNDATION DETAIL AT STOREFRONT SCALE 1 1/2"=1'-0" **2**



FOUNDATION DETAIL AT STONE SCALE 1 1/2"=1'-0" **1**

REVIEWED FOR CODE COMPLIANCE



EXAMINER: **2020 FBC**
DATE: **02/03/2023**

1	Date
2	Revision/Issue
3	ISSUE FOR PERMIT
4	11/14/2022

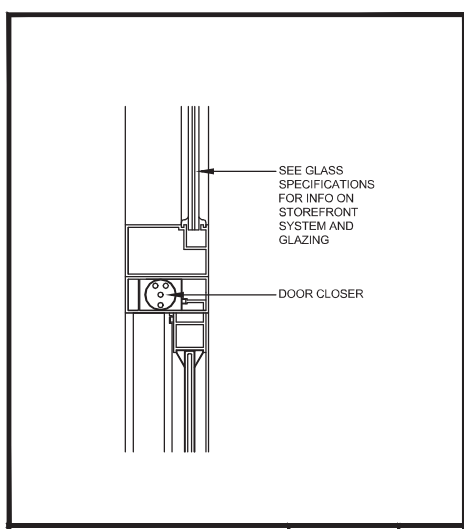
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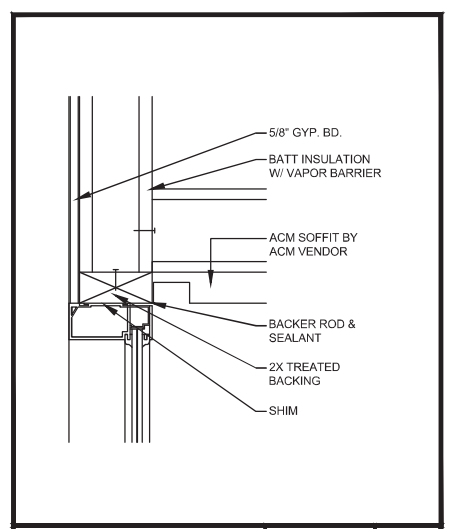
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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571
Sheet Title
WALL SECTION DETAILS

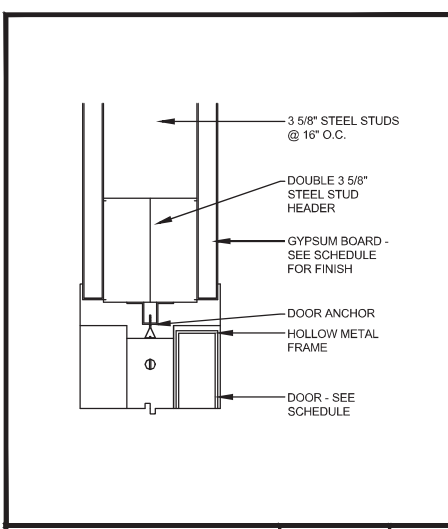
Project No. 170-84.00
Date AS NOTED
Scale AS NOTED
Sheet A8.6



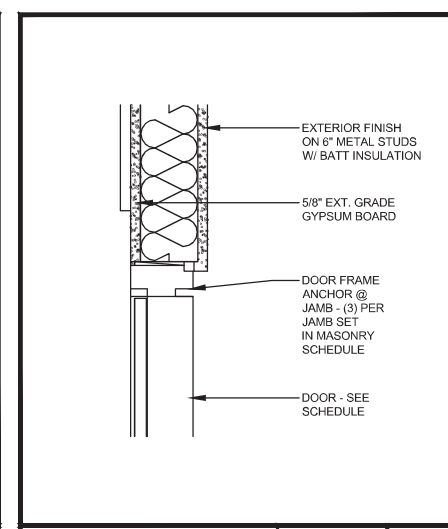
ENTRY DOOR HEAD SCALE N.T.S. 14



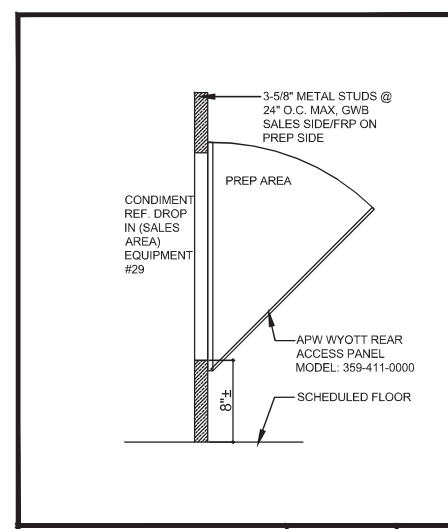
WINDOW HEAD DET. SCALE N.T.S. 13



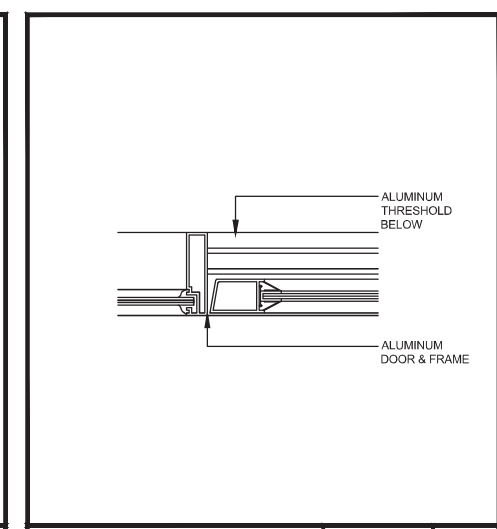
INT. HM JAMB & HEAD SCALE N.T.S. 12



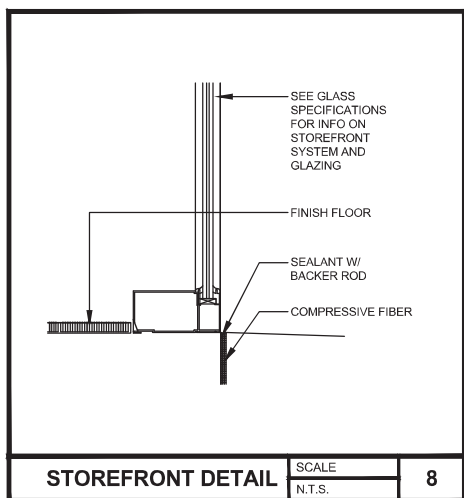
EXT. HM JAMB DETAIL SCALE N.T.S. 11



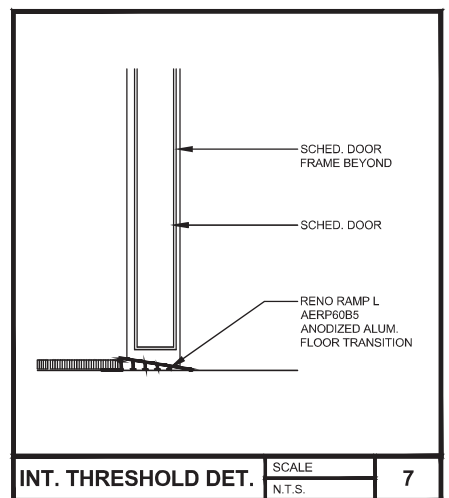
ACCESS PANEL DETAIL SCALE N.T.S. 10



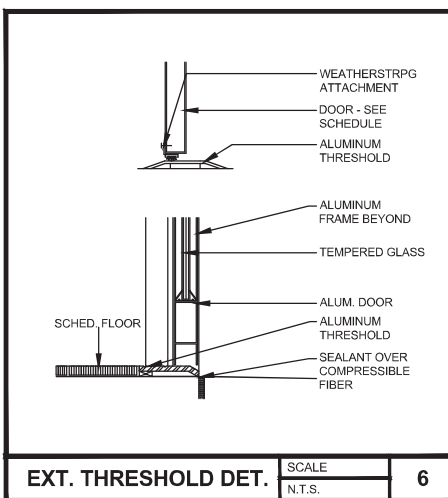
ENTRY DOOR JAMB SCALE N.T.S. 9



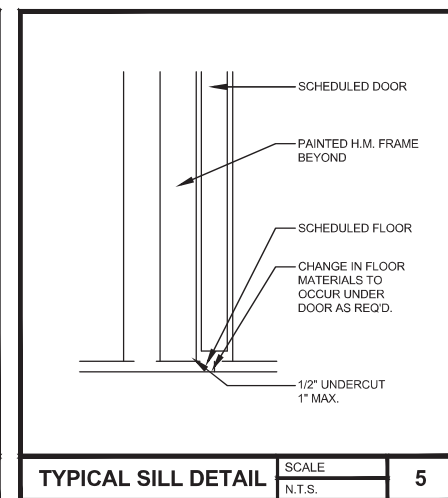
STOREFRONT DETAIL SCALE N.T.S. 8



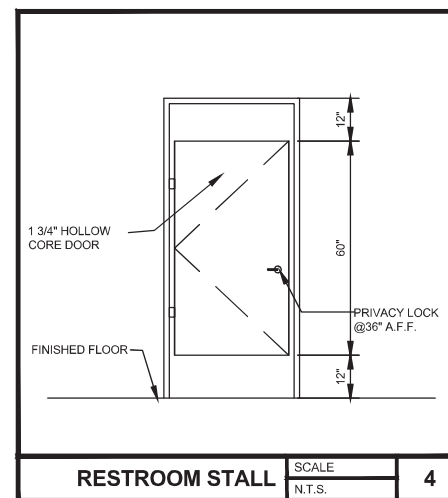
INT. THRESHOLD DET. SCALE N.T.S. 7



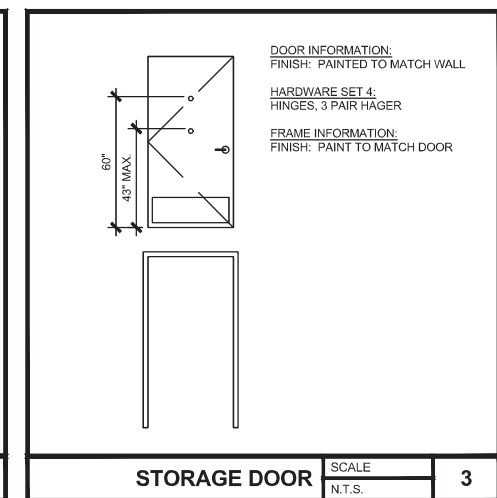
EXT. THRESHOLD DET. SCALE N.T.S. 6



TYPICAL SILL DETAIL SCALE N.T.S. 5



RESTROOM STALL SCALE N.T.S. 4



STORAGE DOOR SCALE N.T.S. 3

DOOR SCHEDULE

DOOR #	DOOR	FRAME	DOOR HW	REMARKS
	MAT'L TYPE THK	MAT'L SILL JAMB HEAD		
101A	PR 3'-0" 7'-0" AL/GL	AL/GL 6 9 14	3	TEMPERED GLASS
101B	PR 3'-0" 7'-0" AL/GL	AL/GL 6 9 14	5	TEMPERED GLASS
103A	3'-0" 7'-0" HM FLUSH 1 3/4"	HM 7 12 12	6	STORAGE
106A	3'-0" 7'-0" HM FLUSH 1 3/4"	HM 5 11 11	2	EXTERIOR DOOR
109A	3'-0" 7'-0" HM FLUSH 1 3/4"	HM 7 12 12	4	OFFICE
114A	2'-6" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM STALL
114B	2'-6" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM STALL
114C	3'-0" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM ADA STALL
115A	PR 2'-8" 7'-0" AL/GL FLUSH 1 3/4"	HM 6 9 14	5	TEMPERED GLASS
116A	3'-0" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM AMBULATORY
116B	3'-0" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM ADA STALL
116C	2'-6" 5'-0" HM FLUSH 1 3/4"	HM - - -	1	RESTROOM STALL

REFER TO SHEET A13.1 FOR ADA STANDARDS AND REQUIREMENTS.

GENERAL NOTES

- ALL EXTERIOR DOORS TO HAVE WEATHER STRIPPING AND SWEEP.
- HARDWARE TO BE COORDINATED AND APPROVED BY OWNER PRIOR TO INSTALLATION.
- HARDWARE TO MEET ALL LOCAL, STATE AND NATIONAL BUILDING CODES.
- ALL HARDWARE IS SCHLAGE D SERIES UNLESS NOTED OTHERWISE.
- HARDWARE FINISH AS INDICATED IN HARDWARE SCHEDULE.
- HARDWARE SUPPLIER TO SUBMIT HARDWARE SCHEDULE TO G.C. FOR APPROVAL PRIOR TO CONSTRUCTION.
- ALL LOCKS TO BE ON MASTER KEY SYSTEM.
- VERIFY ALL DOOR SPECS WITH OWNER BEFORE HAND.

HW SET NO.	BUTTS	CLOS	LOCKS	STOPS	PULL	MISCELLANEOUS	REMARKS
	B-1 B-2 B-3	C-1 C-2	L-1 L-2 L-3	S-1 S-2 S-3	P-1	M-1 M-2 M-3 M-4 M-5 M-6 M-7 M-8 M-9 M-10 PB-21	
1							RESTROOM STALLS
2	3	1				1 1 1 1	H.M. EXTERIOR DOOR
3	6	2			2		ALUM. & GLASS ENTRANCE DOUBLE DOORS
4	3	1	1	3	1	1	INTERIOR DOOR W/ PRIVACY LOCKSET
5	6	2	1		2	2	ALUM. & GLASS ENTRANCE DOUBLE DOORS
6	3	1	1	3	1	1	INTERIOR DOOR W/ PRIVACY LOCKSET

HARDWARE

BUTTS

B-1 MCKINNEY, TA2714, 4-1/2" X 4-1/2", US26D
 B-2 MCKINNEY, TA2314 NRP, 4-1/2" X 4", DARK OXIDIZED COPPER US32D
 B-3 MCKINNEY SPRING HINGE 1502 4-1/2" X 4-1/2"

CLOSERS

C-1 YALE 2701
 C-2 KAWNEER, SAM-11, SINGLE ACTING MANUAL CONCEALED OVERHEAD CLOSER

LOCKS

L-1 LOCKSET, SCHLAGE ND40S, R40, 626
 L-2 DEADBOLT, SCHLAGE, KEYED BOTH SIDES, B252PD
 L-3 LOCKSET CYLINDER, KABA ILCO, 7181TK1-26D

STOPS, SILENCERS, ETC.

S-1 SILENCERS, ROCKWOOD 608-RKW, GRAY
 S-2 DOOR STOP, TRIMCO, 1213ES, US26D

PULLS

P-1 KAWNEER, STYLE C09, US32D

MISCELLANEOUS

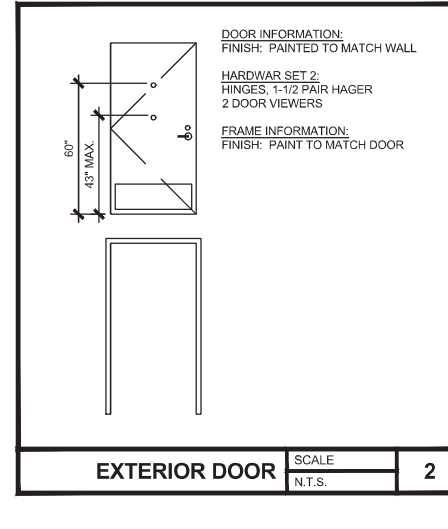
M-1 SARGENT ALARMED PANIC BAR, #5304 (OUTSIDE KEY CONTROL) WITH FULL TRIM SCHLAGE CYLINDER
 M-2 WALL STOP, ROCKWOOD 404, US26D
 M-3 THRESHOLD, PEMKO 2005AT X 36", ALUM.
 M-4 STANDARD PERIMETER GASKET, PENIKO ASTRAGAL 303AV X 84"
 M-5 KICK PLATE, 12" HIGH X DOOR WIDTH LESS 2" STAINLESS STEEL, IVES 8400-826D
 M-6 SCHLUTER TRANSITION STRIP, RENO-U
 M-7 FLOOR STOP, ROCKWOOD 443, US26D (NOT USED)
 M-8 COATHOOK, BOBRICK B-233
 M-9 WRAP AROUND DOOR EDGE GUARD ENTRY AMOR, DON-JO 4-S-CW
 M-10 PEEP HOLE - DS2000
 PB-21 PUSH BAR, STANDARD 1" TUBULAR PUSH BAR.

4.13.5 ENSURE COMPLIANCE: DOORWAYS SHALL HAVE A MIN. CLEAR OPENING OF 32" WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.

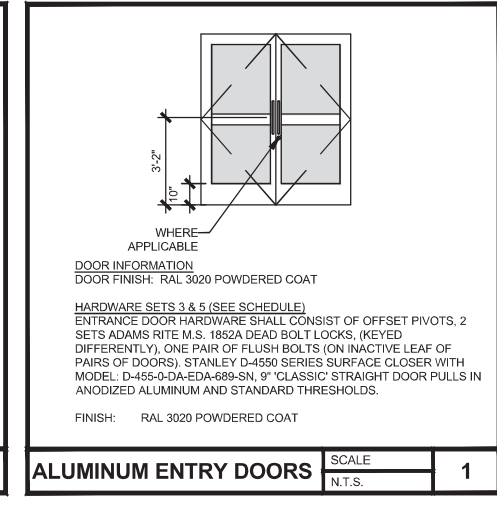
4.13.8 ENSURE COMPLIANCE: THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/8". RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

4.13.10 ENSURE COMPLIANCE: THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

404.2.9 DOOR AND GATE OPENING FORCE: INTERIOR HINGED DOORS AND GATES SHALL HAVE A MAX OPENING FORCE OF 5LBS. EXTERIOR HINGED DOORS AND GATES SHALL HAVE A MAX OPENING FORCE OF 8.5LBS.



EXTERIOR DOOR SCALE N.T.S. 2



ALUMINUM ENTRY DOORS SCALE N.T.S. 1

REVIEWED FOR CODE COMPLIANCE

Constant Code Services

EXAMINER: PY2534/PX1183/LP203/PX2109

FBC CODE: 2020 FBC

DATE: 02/03/2023

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 PACE, FL 32571

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

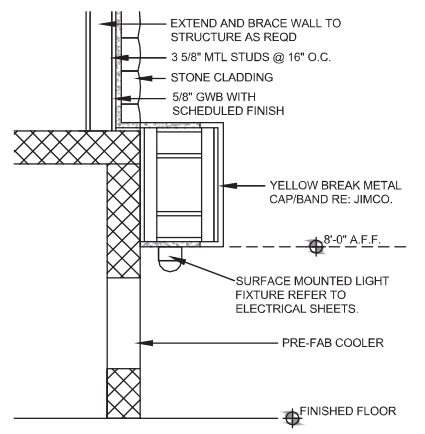
Sheet Title
DOOR SCHEDULE

Sheet No.
A9.0

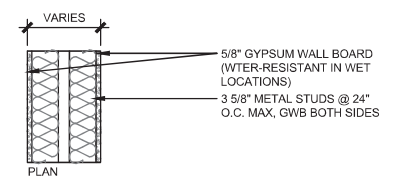
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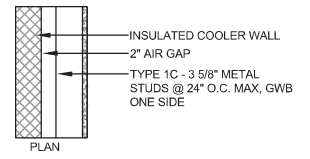
EXAMINER: PX2554PX1183/LP2030/PX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



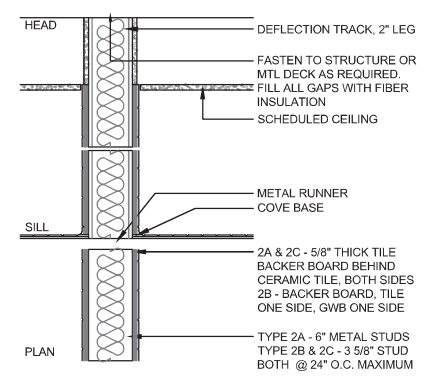
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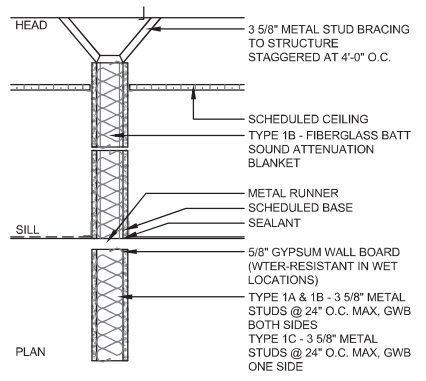
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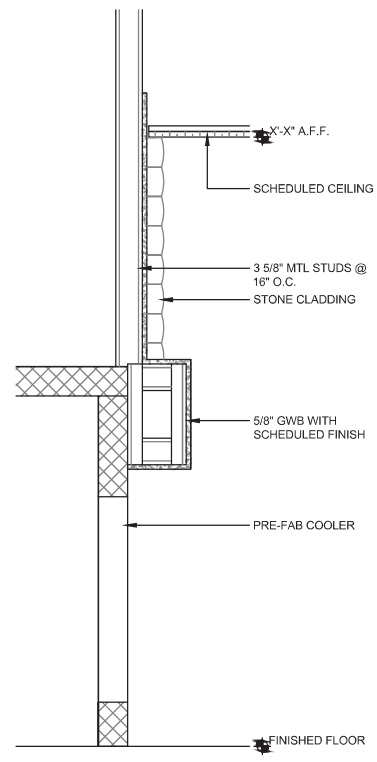
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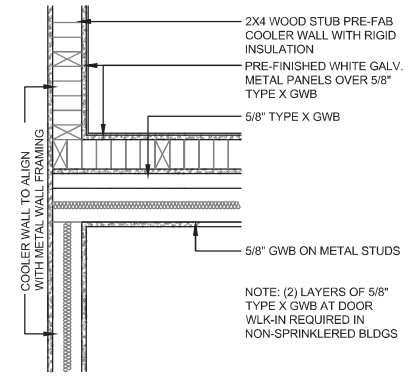
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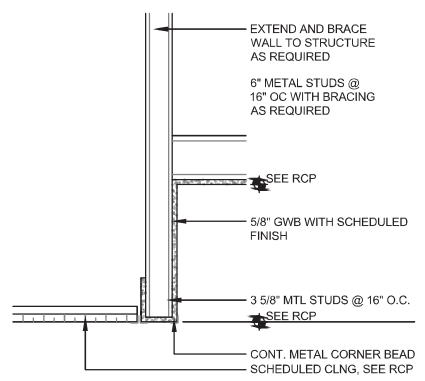
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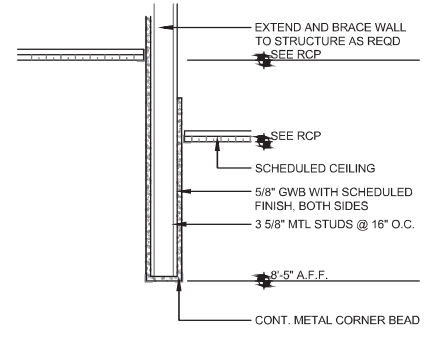
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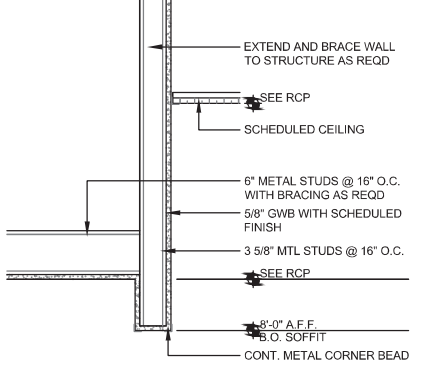
COOLER WALL TRANSITION SCALE N.T.S. 7



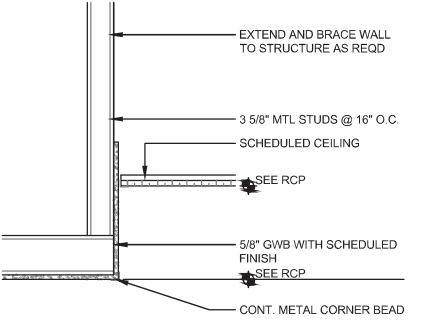
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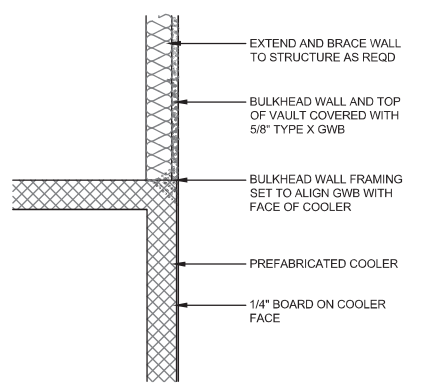
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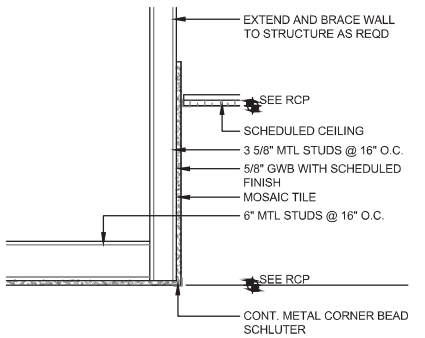
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SOFFIT DETAIL SCALE N.T.S. 3



SOFFIT DETAIL - COOLER SCALE N.T.S. 2



SOFFIT DETAIL - CASHIER SCALE N.T.S. 1

1	11/14/2022	Date
1	ISSUE FOR PERMIT	Revision/Issue

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Sheet Title
PARTITION TYPES AND CONSTRUCTION DETAILS

Project No. 170-84.00
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 Scale AS NOTED

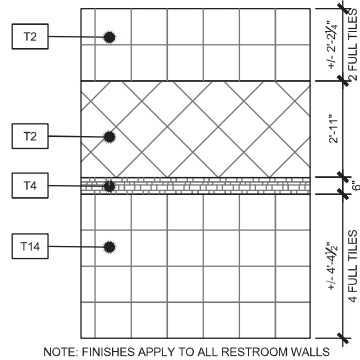
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RESTROOM FIXTURE AND ACCESSORY SCHEDULE

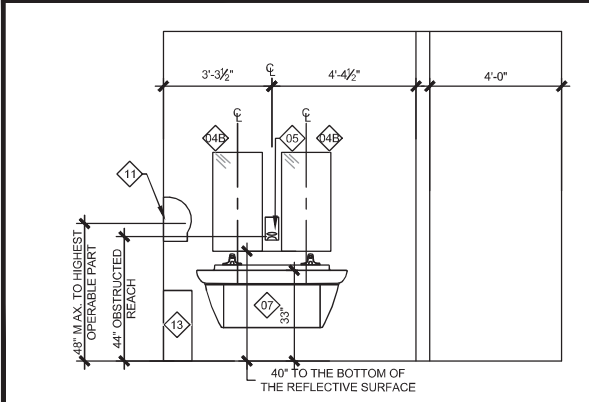
ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY	NOTES
01	A - GRAB BAR 42"	BOBRICK	B-6806 X 42	G.C.	G.C.	1-1/2" DIAMETER
	B - GRAB BAR 36"	BOBRICK	B-6806 X 36	G.C.	G.C.	1-1/2" DIAMETER
	C - GRAB BAR 24"	BOBRICK	B-6806 X 24	G.C.	G.C.	1-1/2" DIAMETER
02	TOILET TISSUE DISP. DOUBLE, SURFACE MOUNTED	KIMBERLY-CLARK	09507	OWNER	G.C.	
03	HAND DRYER	WORLD DRYER	VERDEdri Q-973A	G.C.	G.C.	SURFACE MOUNT. VERIFY WITH OWNER FOR SOLID SURFACE FINISH BEHIND DRYER.
04	A - MIRROR ANGLE FRAME	BOBRICK	B-165 2448	G.C.	G.C.	40" MAX TO BOTTOM OF REFLECTIVE SURFACE
	B - MIRROR ANGLE FRAME	BOBRICK	B-165 1836	G.C.	G.C.	40" MAX TO BOTTOM OF REFLECTIVE SURFACE
05	SOAP DISPENSER, WALL MOUNTED	SCOTT	92145	OWNER	G.C.	OBSTRUCTED REACH: 44" MAX TO THE HIGHEST OPERABLE SURFACE UNOBSTRUCTED REACH: 48" MAX TO THE HIGHEST OPERABLE SURFACE
06	A - SURFACE MOUNT BABY CHANGER	KOALA KARE	KB300-SS	G.C.	G.C.	
	B - RECESSED BABY CHANGER	KOALA KARE	KB310-SSRE	G.C.	G.C.	
07	LAVATORY - 2 BAY	SLOAN	ELS-72000	G.C.	G.C.	SOLID STONE: WALNUT
08	AUTOMATED SENSOR FAUCET	KOHLER	K-13462	G.C.	G.C.	FINISH: POLISHED CHROME. ELECTRIC SENSOR AND MIXER.
09	URINAL	AMERICAN STANDARD	6590001.020	G.C.	G.C.	
	FLUSH VALVE	SLOAN	3370443	G.C.	G.C.	EXPOSED SENSOR HARDWIRED WATER CLOSET FLUSHOMETER
	TOILET	ZURN	Z5665-BWL1	G.C.	G.C.	ZURN FLOOR MOUNT TOILET BOWL
	FLUSH VALVE	ZURN	ZEMSS6000AV-HET	G.C.	G.C.	EXPOSED SENSOR HARDWIRED OPERATION FLUSH VALVE
	TOILET SEAT	MAINLINE	ML1055SSC000	G.C.	G.C.	WHITE ELONGATED OPEN FRONT SEAT
10	COAT HOOK	BOBRICK	B-233	G.C.	G.C.	MOUNT ON INSIDE OF EACH STALL DOOR AT 48" MAX. AFF.
11	PAPER TOWEL DISPENSER	KIMBERLY-CLARK	09996	OWNER	G.C.	SCOTT SLIMFOLD TOWEL DISPENSER
12	SURFACE MOUNT SANITARY SEAT COVER DISPENSER	SCOTT	09506	OWNER	G.C.	
13	TRASH CAN	-	18" X 36"	OWNER	G.C.	PLACE UNDER PAPER TOWEL DISPENSER IN MEN'S RESTROOM
14	ACCESSIBLE RESTROOM SIGNAGE	COMPLIANCE SIGNS	RRE-130_150_PAIREDS ET_WHITE_ON_BLACK	G.C.	G.C.	NON-GLARE MATTE FINISH, COMPLIANT FONT AND TACTILE 1/32" LETTERS AND SYMBOLS. SEE 1/AN2.0 FOR MORE INFORMATION.
15	WALL MOUNTED SINK	KOHLER	K-16027-4-CP	G.C.	G.C.	WHITE. 30IPC P-TRAP, TRUEBRO LAV GUARD
	FAUCET	KOHLER	K-16027-4-CP	G.C.	G.C.	FINISH: POLISHED CHROME.

NOTE: SEE 7/A10.0 FOR TYPICAL RESTROOM WALL FINISHES.
REFERENCE AN2.0 FOR ADA DETAILS AND MOUNTING HEIGHTS

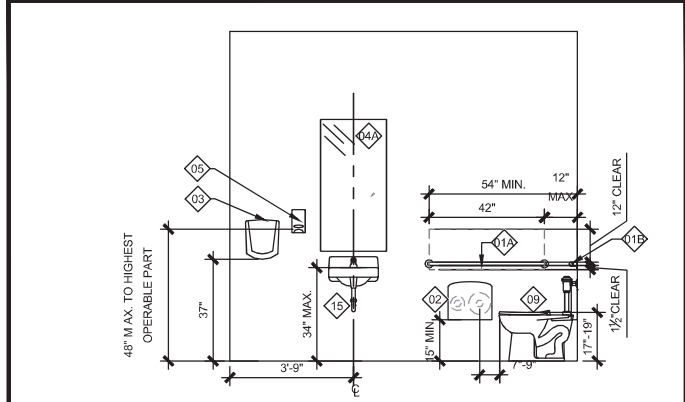
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EXAMINER: DP263492118X11P02P20209
FBC CODE: 2020.FBC
DATE: 02/03/2023



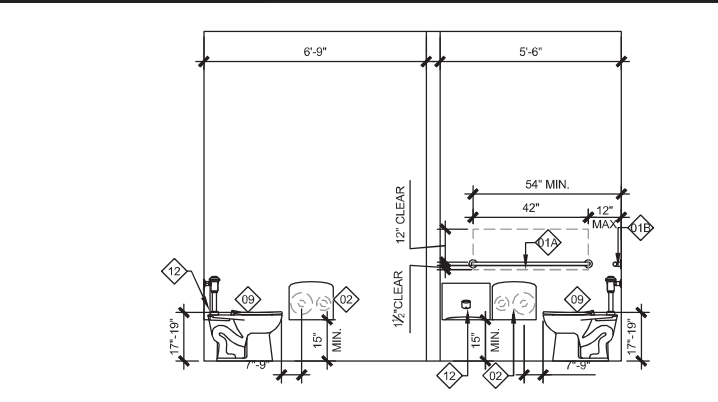
RESTROOM WALL FINISHES SCALE 3/8"=1'-0" 7



INTERIOR ELEVATION SCALE 3/8"=1'-0" 6



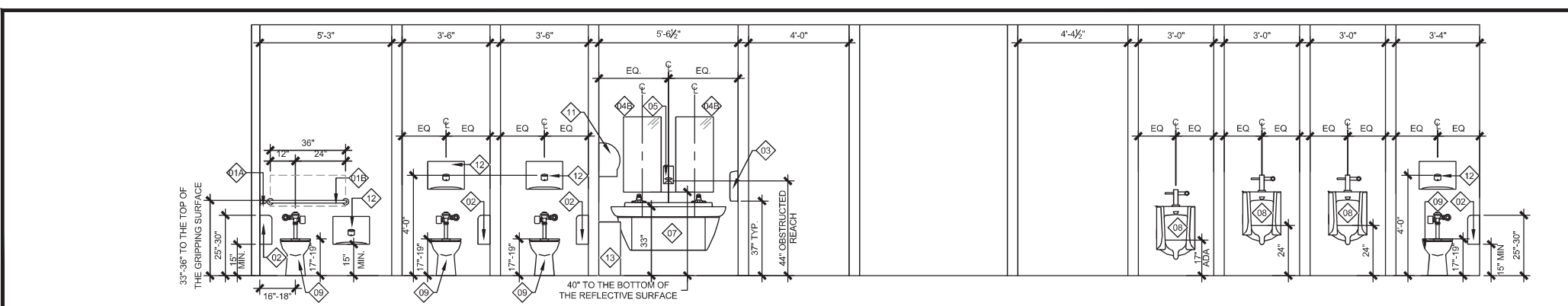
INTERIOR ELEVATION SCALE 3/8"=1'-0" 5



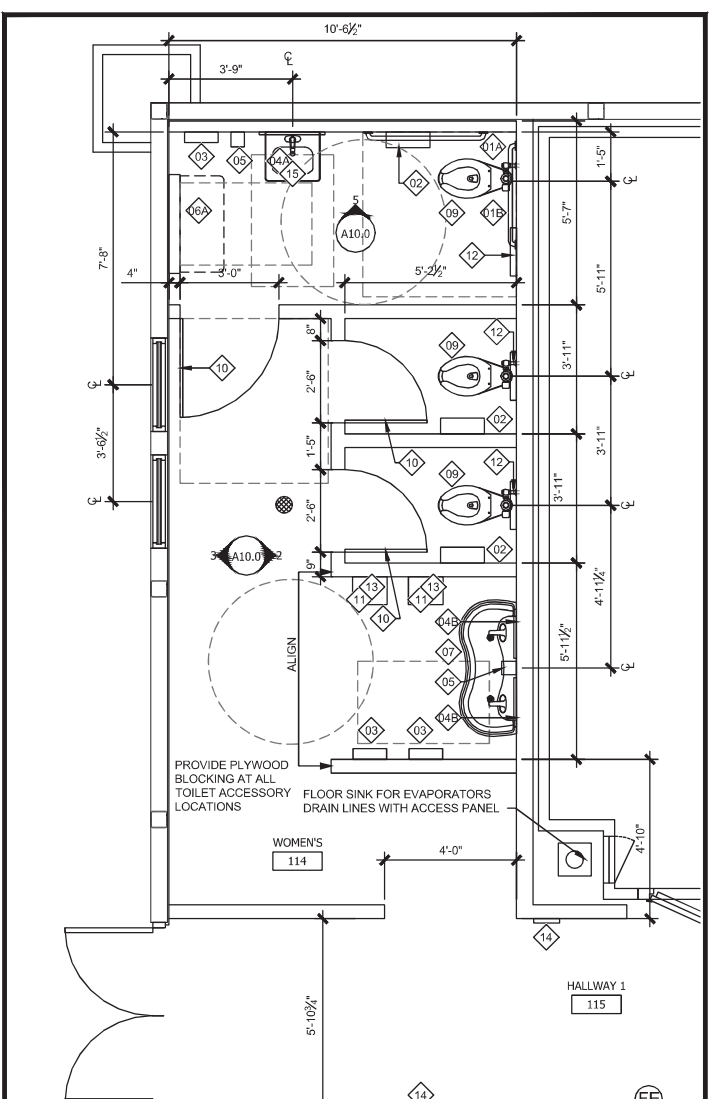
INTERIOR ELEVATION SCALE 3/8"=1'-0" 4



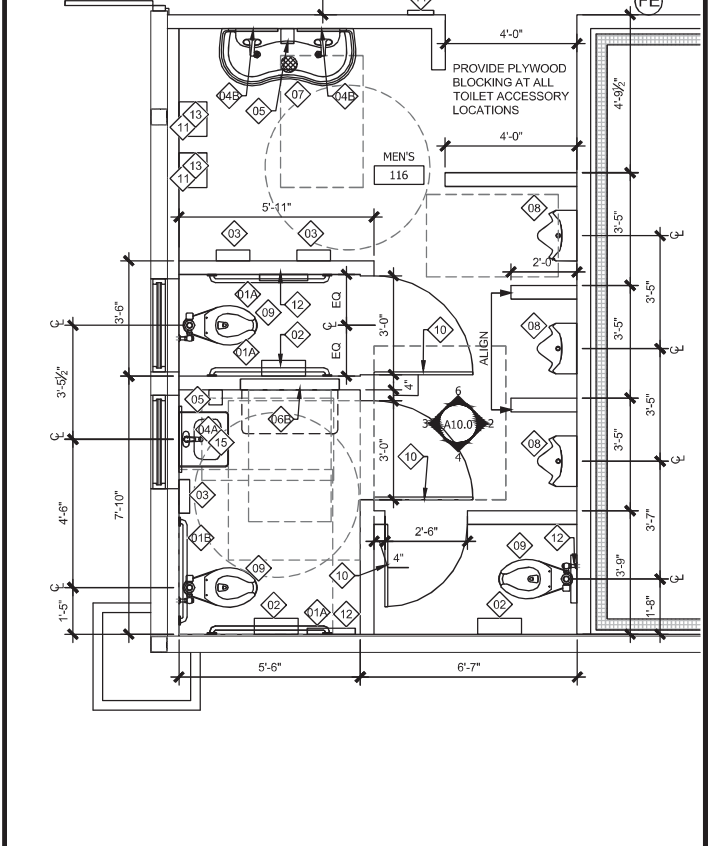
INTERIOR ELEVATION SCALE 3/8"=1'-0" 3



INTERIOR ELEVATION SCALE 3/8"=1'-0" 2



ENLARGED RESTROOM PLAN SCALE 3/8"=1'-0" 1



No.	Revision/Issue	Date
1 <td>ISSUE FOR PERMIT</td> <td>11/14/2022</td>	ISSUE FOR PERMIT	11/14/2022

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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

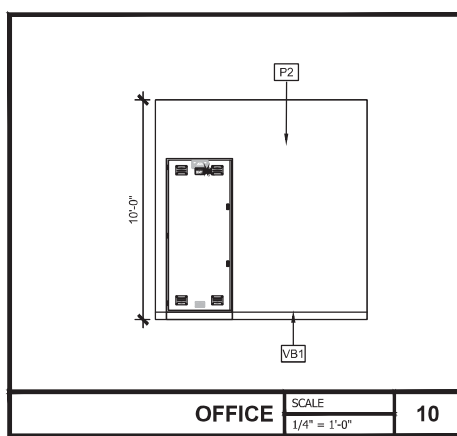
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Date
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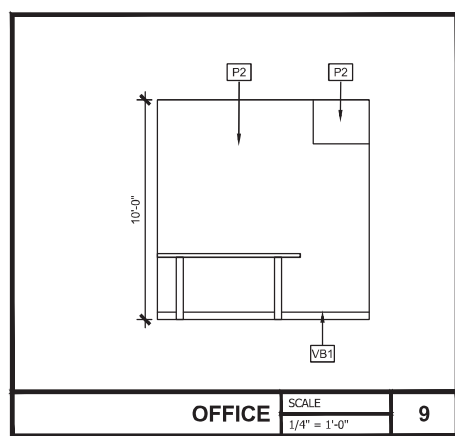
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Sheet Title
ENLARGED RESTROOM PLANS AND ELEVATIONS

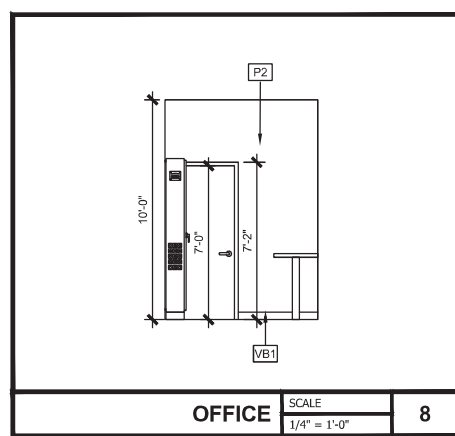
Sheet No.
A10.0



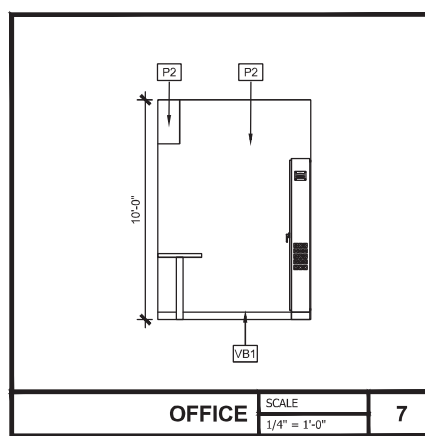
OFFICE SCALE 1/4" = 1'-0" 10



OFFICE SCALE 1/4" = 1'-0" 9

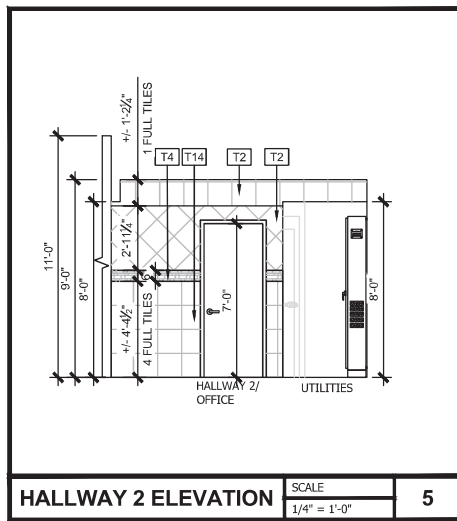


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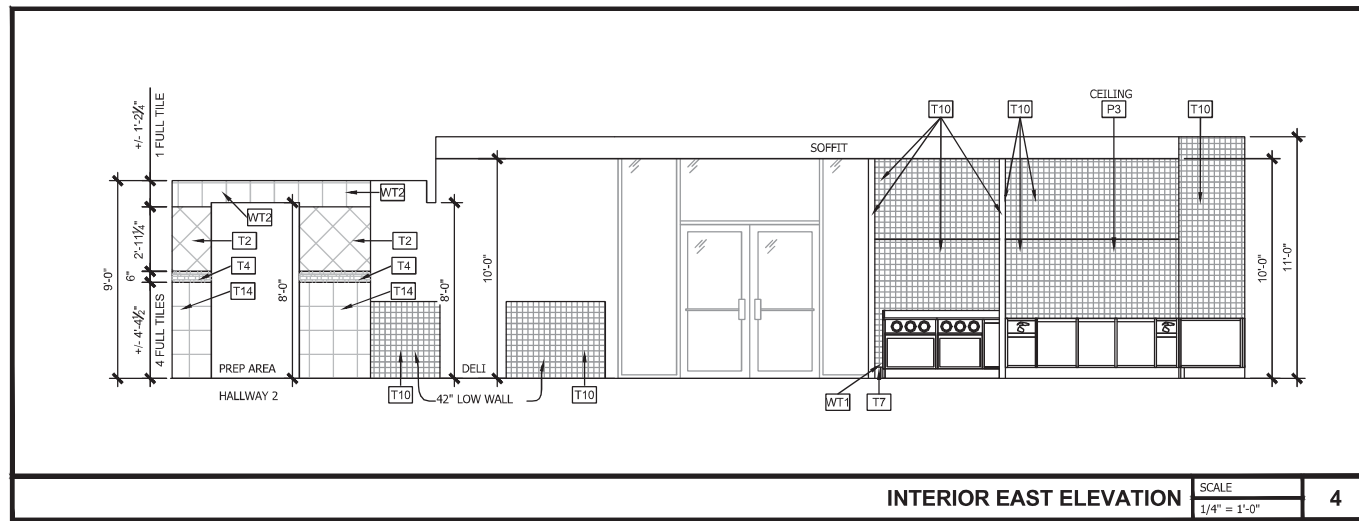


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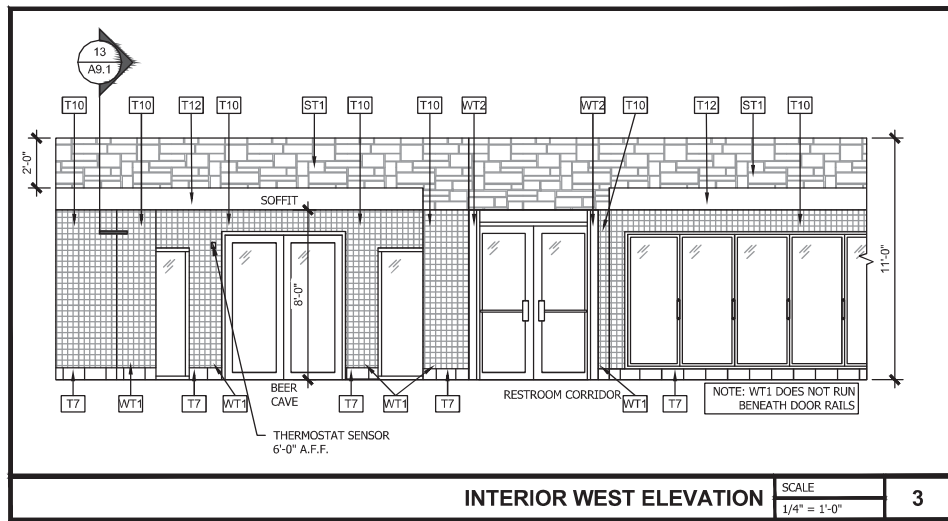
BEER CAVE SIGNAGE SCALE N.T.S. 6



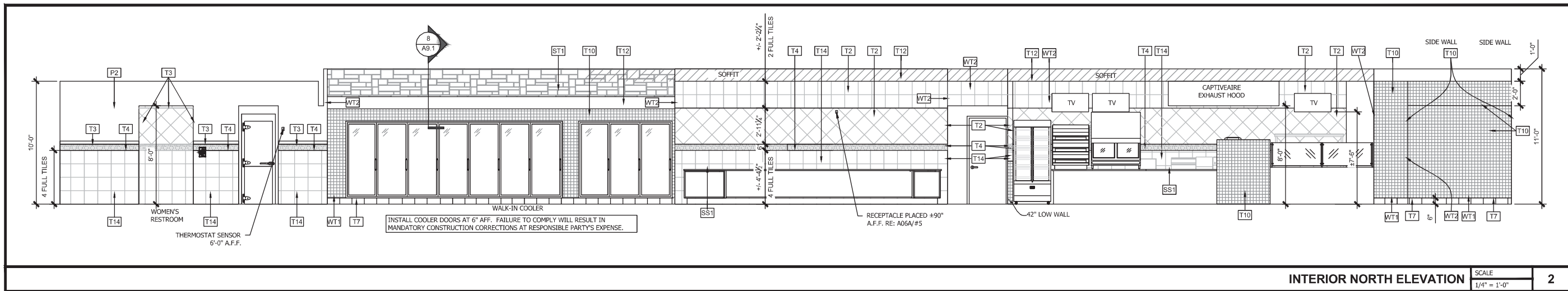
HALLWAY 2 ELEVATION SCALE 1/4" = 1'-0" 5



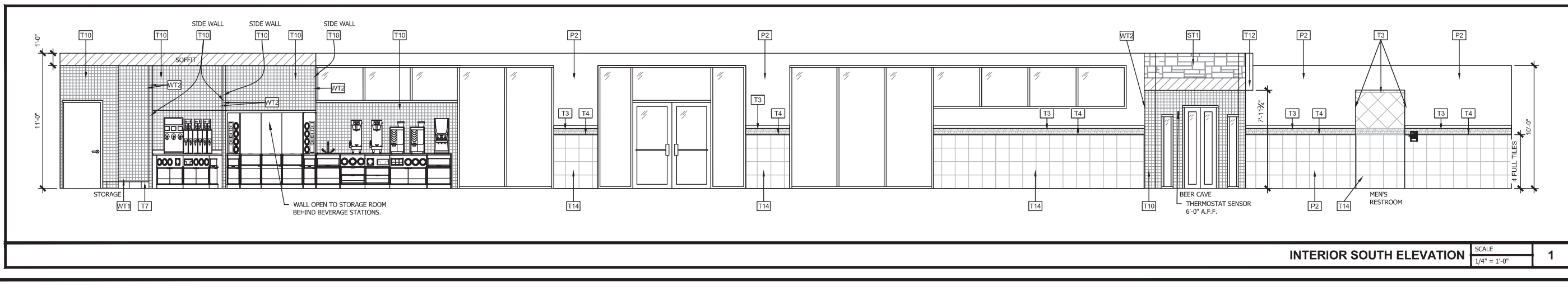
INTERIOR EAST ELEVATION SCALE 1/4" = 1'-0" 4



INTERIOR WEST ELEVATION SCALE 1/4" = 1'-0" 3



INTERIOR NORTH ELEVATION SCALE 1/4" = 1'-0" 2



INTERIOR SOUTH ELEVATION SCALE 1/4" = 1'-0" 1

1	11/16/2023	Date
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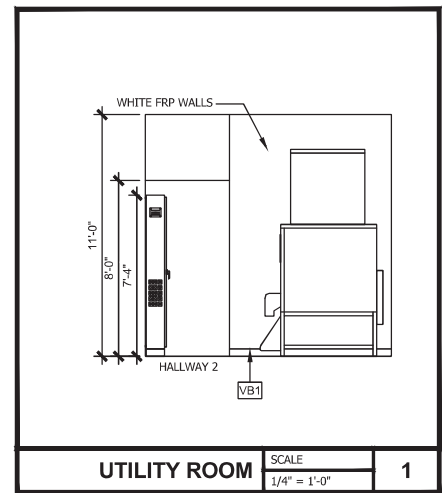
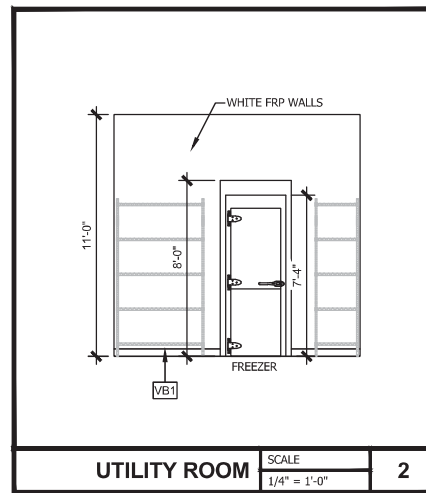
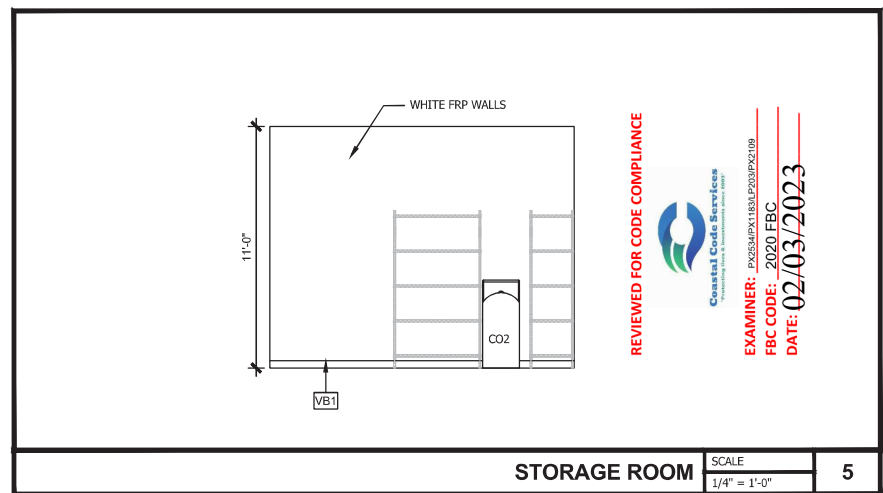
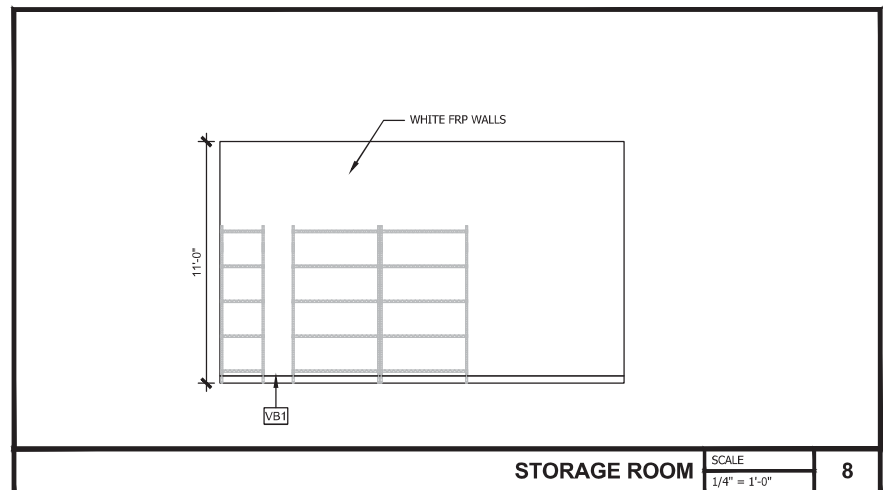
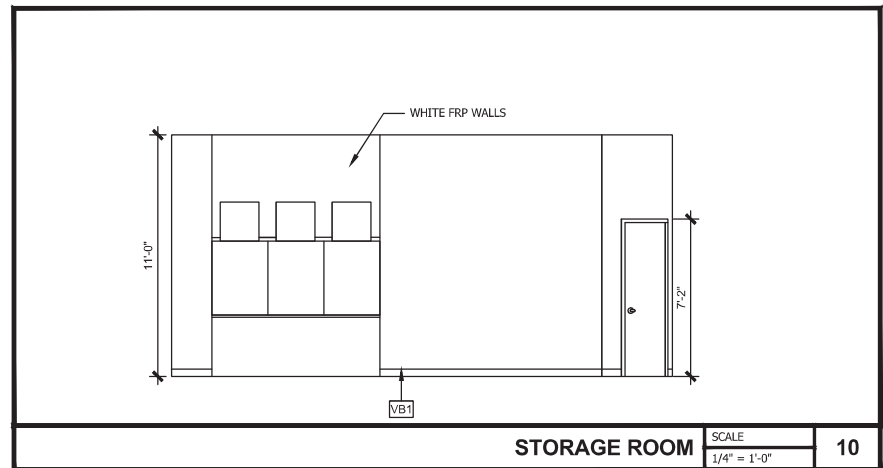
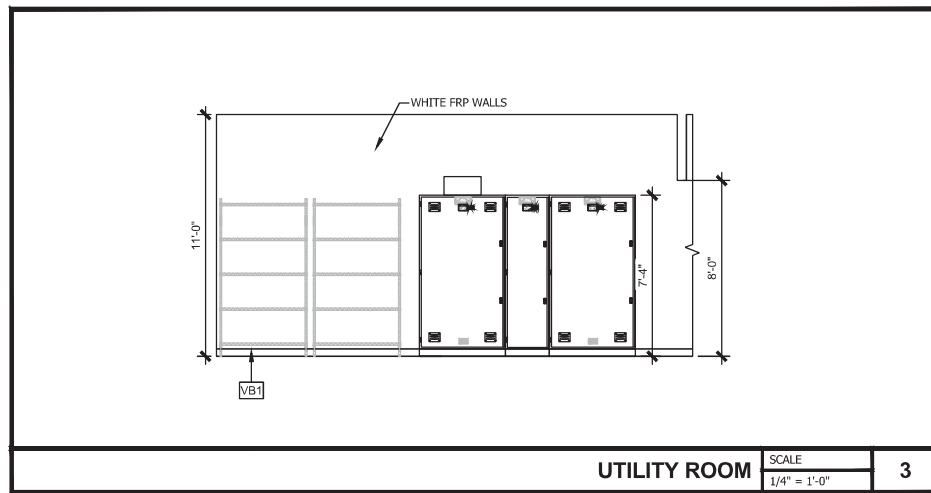
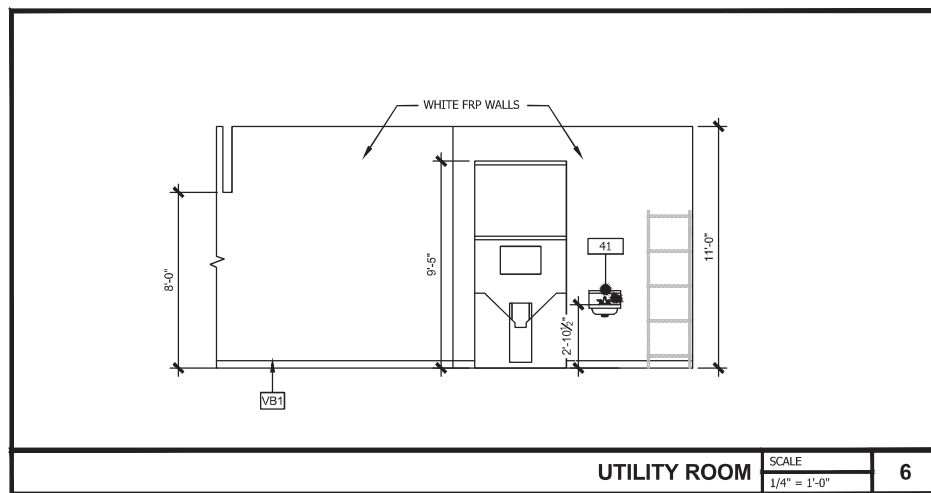
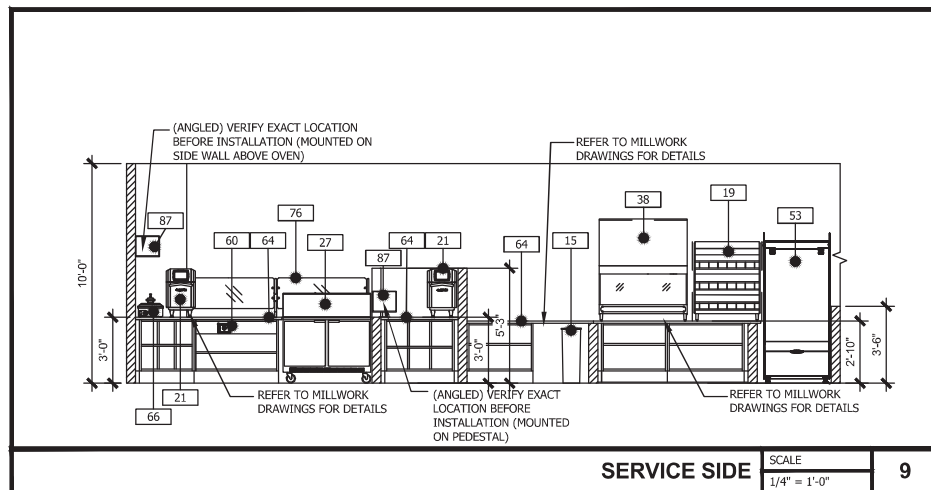
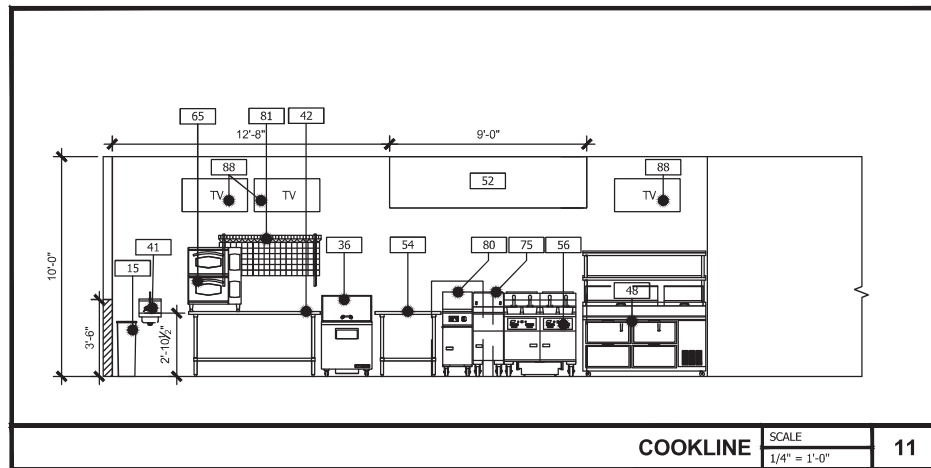
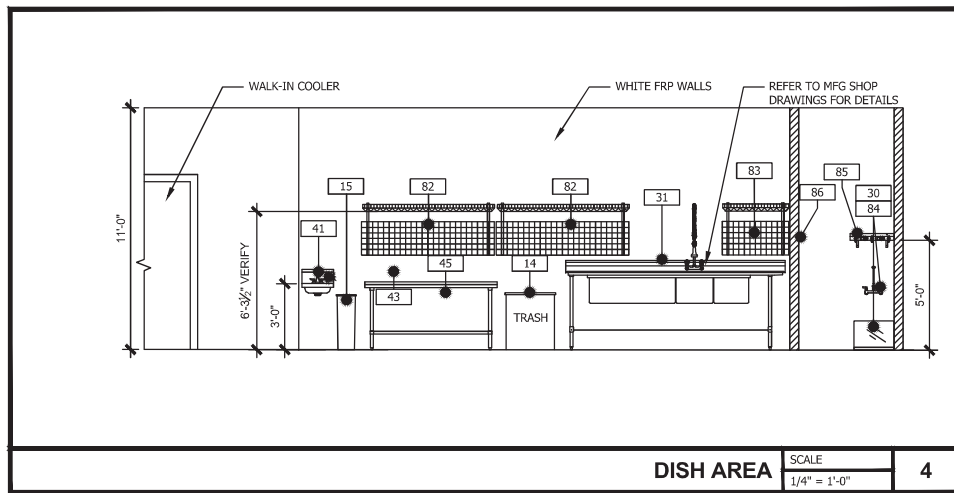
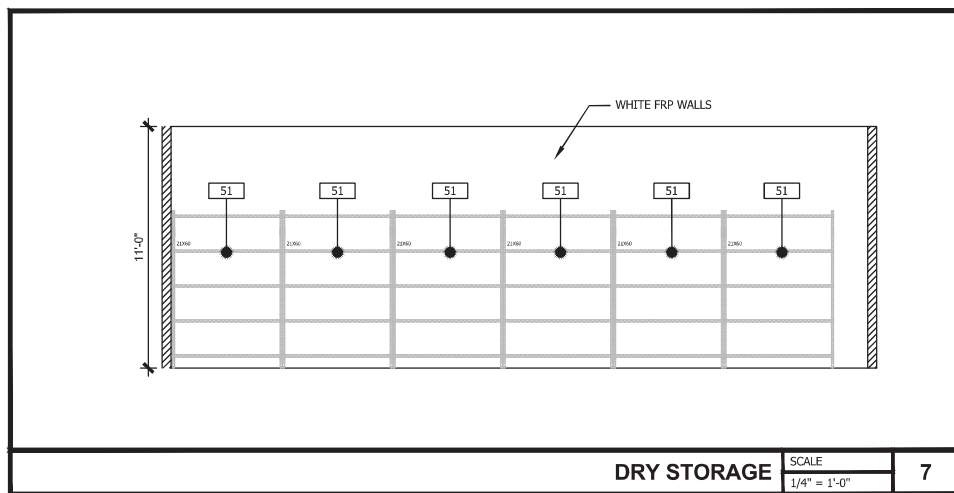
Project Name and Address: **CEFCO #426 - PACE**
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Project No: 170-84.00
Date: AS NOTED
Scale: AS NOTED

Sheet Title: **INTERIOR ELEVATIONS**

Sheet No: **A11.0**

EQUIPMENT SCHEDULE				
ITEM NO.	QTY.	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER
15	2	TRASH RECEPTACLE	RUBBERMAID	FG354060BLA
19	1	HEATED DISPLAY CASE (COUNTERTOP)	HATCO	GRS05-36T
21	2	RAPID COOK OVEN	OVENTION	MISA-A12
27	1	PIZZA PREPARATION REFRIGERATOR	TRAUlsen	TB046SL3S
30	1	MOP SINK	ADVANCE TABCO	9-OP-24FM-SSR
31	1	POT & PAN WASHER	POWERSOAK	CUSTOM
35	2	CUSTOMER KIOSK	BY OWNER	CUSTOM
36	1	SANDWICH/SALAD PREP REF.	BEVERAGE-AIR	SPE27HC-12M-B
38	1	HEATED DISPLAY CASE (COUNTERTOP)	ALTO-SHAAM	ED2-48-SS
41	2	HAND SINK	ADVANCE TABCO	7-PS-EC-SP-1X
42	1	WORK TABLE	ADVANCE TABCO	SS-366
43	1	BOHA TERMINAL	TRANSACT	
45	1	WORK TABLE	ADVANCE TABCO	KMSLAG-306-X
48	1	REF. PIZZA PREP.	BEVERAGE-AIR	DPD67HC-4
51	6	WIRE SHELVING UNIT	CENTAUR	C2160K
52	1	TYPE-1 9' HOOD WITH SUPPRESSION SYSTEM. (STAINLESS STEEL PANELS TO BE PROVIDED BY G.C.)	CAPTIVE AIRE	5424ND-2-ACPSP-F
53	1	HEATED DISPLAY CASE	ALTO-SHAAM	HSM-36/55/T
54	1	36"X36" STAINLESS WORK TABLE		
56	1	DUAL FRYER	PITCO	SSH75-2FD
60	1	DROP-IN HOT WELLS	ALTO-SHAAM	300-HW/D6
64	3	FRONT COUNTER MILLWORK	SHOPCO	CUSTOM
65	1	CONVECTION OVEN	OVENTION	DOUBLE MILO2-16
66	1	SANDWICH PRESS	VOLLRATH	40792
75	1	FRYER DUMP STATION	PITCO	SE-BNB-14
76	1	GLASS SNEEZE GUARD		
77	1	DROP-IN REFRIGERATION	APW WYOTT	CW-1
80	1	REETHERMALIZING UNIT	PITCO	SRTE14-GM
81	1	WALL GRID SHELVING	METRO	SW56K4
82	2	WALL GRID SHELVING	METRO	VARIES
83	1	WALL GRID SHELVING	METRO	SWK36-1
84	1	SERVICE SINK FAUCET	ADVANCE TABCO	K-240
85	1	UTILITY SHELF	ADVANCE TABCO	K-245
86	2	MOP BROOM HOLDER	CARLISLE	4073100
87	2	22" KDS MONITOR	DELL	E2216HV
88	4	TV SCREEN		



Date

11/4/2022	ISSUE FOR PERMIT
1	Revision/Issue

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Project Name and Address
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 PACE, FL 32571

Sheet Title
INTERIOR ELEVATIONS

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

Sheet
A11.1

INTERIOR FINISH MATERIALS LIST

FLOOR, BASE AND WALL TILE		SOLID SURFACE COUNTER TOP	
T1	INTERCERAMICS 20" X 20" - MONTREAUX - BRUN. USE CUSTOM BUILDING PRODUCTS #145 LIGHT SMOKE GROUT COLOR.	SS1	WILSON ART QUARTZ (COFFEE HOUSE Q6005 - 2 CENTIMETERS)
T2	INTERCERAMICS 13" X 13" - MONTREAUX - BLANC. GROUT COLOR SELECTED BY OWNER.	WALL BOARD (USED IN ALL STORAGE AREAS)	
T3	INTERCERAMICS 3" X 13" - MONTREAUX - BRUN - <u>BULL NOSE</u> . USE CUSTOM BUILDING PRODUCTS #145 LIGHT SMOKE GROUT COLOR.	WB1	AVONITE - 1/2" SOLID SURFACING - K3-8490-SATIN - COPPERMINE
T4	INTERCERAMICS - 6" AMALFI STONE - DECORATIVE ACCENTS, BRICKLAY MOSAIC - COLOR: CREMA VASARI. USE CUSTOM BUILDING PRODUCTS #145 LIGHT SMOKE GROUT COLOR.	COOLER DOORS	
T5	NOT USED	CD1	COOLER DOORS AND FRAMING TO BE FACTORY FINISHED WITH BLACK ON POLISHED ALUMINUM DECORATOR TRIM FINISH, AND VANGARD BRIGHT SILVER WITH BLACK HANDLES.
T6	6" X 6" DAL-TILE "SURETREAD" GOLDEN BROWN SURETREAD #0075. GROUT COLOR SELECTED BY OWNER.	EQUIPMENT & GONDOLA SHELVING	
T7	INTERCERAMICS 20" x 20" - STRATA GRAFITE. GC TO CUT TILE TO FIT UNDER COOLER DOORS. GROUT JOINTS TO ALIGN WITH FLOOR GROUT JOINTS, EVERYWHERE T7 IS APPLICABLE. USE LIGHT GRAY GROUT COLOR WITH 1/8" GROUT LINE.	EQ	FACTORY PAINT ALL FLOOR MERCHANDISING EQUIPMENT WHITE.
T8	INTERCERAMICS 6 1/2" X 13" BASE - MONTREAUX - BLANC. GROUT COLOR SELECTED BY OWNER.	SH	SHELVING USED ON INTERIOR STORE DESIGN IS BY LOZIER STORE FIXTURES, INCORPORATED. FACTORY PAINT ALL GONDOLA SHELVING BLACK.
T9	6" X 6" DAL-TILE "SURETREAD" GOLDEN BROWN SURETREAD #P-3665 6" X6 6" COVE BASE TILE, #PB-3665 COVE CORNER 3/4" X 6" ALL INSIDE CORNERS, #PCR-L-3665 COVE CORNER 6" X 6" ALL OUTSIDE CORNERS, USE BUILDING PRODUCTS #60 CHARCOAL GROUT COLOR.	MENU BOARD	
T10	2"x2" HEX INTERCERAMIC WALL TILE (FOUNDATION WHITE. USE LIGHT GRAY GROUT COLOR WITH 1/8" GROUT LINE WITH SL BASE TRIM PIECE ALONG THE BOTTOM	MB1	MI - (3) PANEL INTERNALLY ILLUMINATED MENU BOARD SYSTEM. MENU BOARD IF REQUIRED IS "MAINSTREET" BRAND.
T11	3" X 6" DAL-TILE BRICK JOINT TILE, #DH50 SUNFLOWER RITTENHOUSE SQUARE. USE LATICRETE #44 BRIGHT WHITE GROUT COLOR WITH 1/8" GROUT LINE AND DESIGNBASE SL DBSL60AE (ANODIZED ALUM.)	FLOOR TRANSITION	
T12	12" BREAK METAL 25 GA. COLOR TO BE POWER COAT YELLOW ACM FP-2 OR EQUAL	FT-1	FLOOR TRANSITION BAR RENO-RAMP K SCHLUTER
T13	EPOXY COATED FLOOR SYSTEM BY FLOWCRETE-FLOWFRESH SL, COLOR IS MID GRAY	GENERAL NOTES	
T14	INTERCERAMICS 13" X 13" - MONTREAUX - BRUN. USE CUSTOM BUILDING PRODUCTS #145 LIGHT SMOKE GROUT COLOR.	<ol style="list-style-type: none"> USE "EVERCLEAN" FLAT LATEX PAINT ON ALL PAINTED INTERIOR WALL SURFACES. USE CLEAR PLEXIGLASS WALL CORNER GUARDS IN ALL HI-TRAFFIC AREA. CHANNEL ALL ELECTRICAL COMPONENTS FOR DECORATIVE LIGHTING TO NOT BE VISIBLE TO STORE CUSTOMER'S VIEW. G.C. TO VERIFY ALL FINISHES WITH OWNER PRIOR TO CONSTRUCTION. G.C. TO SUBMIT COLOR SAMPLES OF ALL MATERIALS TO OWNER FOR APPROVAL. ALL DOOR KICK PLATES TO MATCH DOOR HARDWARE. ALL DOOR HARDWARE TO BE BRUSHED ALUMINUM FINISH UNLESS OTHERWISE NOTED. SEE SHEET A08A FOR DOOR SCHEDULE AND FINISHES. 	
VINYL BASE		GRAPHIC DETAILS	
VB1	4" VINYL COVE BASE. COLOR: GRAY - TO MATCH SEALED CONCRETE BY RUBBERMITE - MANUFACTURED BY BURK-MERCER.	1D	1/2" WOOD SIGN TO BE CONSTRUCTED WITH CHAIN ACCENTS ON TOP AND BOTTOM; SURFACE TO BE L1. MEN'S AND WOMEN'S RESTROOM SYMBOLS TO BE ON SIGN. REFERENCE ELEVATIONS FOR DIMENSIONS. COLOR OF SYMBOLS - BLACK.
<p>FLOOR TILE NOTES:</p> <ol style="list-style-type: none"> ALL WALL TILE TO BE REINFORCED WITH MOISTURE RESISTANT COVERED GYPSUM BOARD. AREAS INCLUDED: RESTROOMS, COOLER, AND BEVERAGE AREAS. RESTROOM AREA - US E CEMENT BOARD BACKING IN ALL WET AREAS UP TO 48" AFF. SE MOISTURE RESISTANT COVERED GYPSUM BOARD ABOVE CEMENT BOARD. USE PRE-MANUFACTURED CORNER TILE PIECE OF BULL NOSE AS REQUIRED ON ALL EXPOSED CORNERS ON FLOOR BASE AND WALLS. 		2D	1/2" SOFFIT TO EXTEND 6" FROM WALL PAINTED P4 AND CEFCO GREEN. CEFCO LOGO TO BE PRINTED AND APPLIED TO VERTICAL SURFACE.
WALL COVERING: PAINT		3D	1/2" WOOD SIGN TO BE CONSTRUCTED SUSPENDED FROM CEILING BY CHAIN. SURFACE TO BE L1. FRESH EATS DELI TO BE SIGN IN FONT STYLE "ADOBE GARAMOND PRO". FONT COLOR: GOLDENROD YELLOW.
P1	SHERWIN-WILLIAMS #SW7582 SALUTE, EGG SHELL	4D	LIFESTYLE IMAGES TO BE PRINTED AND FRAMED.
P2	SHERWIN-WILLIAMS #SW7686 HINOKI, EGG SHELL	5D	NOT USED
P3	SHERWIN-WILLIAMS #SW7709 COPPER POT, EGG SHELL	6D	NOT USED
P4	SHERWIN-WILLIAMS #SW6898 SOCIAL BUTTERFLY, EGG SHELL	6D	FRESH YO LOGO TO BE PRINTED AND APPLIED TO VERTICAL SURFACE.
P5	SHERWIN-WILLIAMS WHITE, EGG SHELL	7D	FRESH YO GRAPHIC ON CABINETS LOGO TO BE PRINTED AND APPLIED TO VERTICAL SURFACE.
P6	SHERWIN-WILLIAMS #SW6108 LATTE, EGG SHELL	8D	GRAPHIC ON WALL
P7	SHERWIN-WILLIAMS #SW 6825 IZMIR PURPLE	WALL COVERING: VINYL GRAPHIC	
WALL COVERING: STONE		V1	VINYL GRAPHIC - BY OWNER WALL CORNER USE RONDEC R060AE AT BATHROOM AND FRESH YO/BEVERAGE AREA
ST1	FAUX STONE VENEER - CREATIVE SONE CEFCO RUSTIC RUBBLE		
MILLWORK LAMINATES			
L1	LAMINATED PLASTICS BY FORMICA #758-58 BLOSSOM CHERRYWOOD		
L2	LAMINATED PLASTICS BY FORMICA #909-SP BLACK		
L3	LAMINATED PLASTICS BY FORMICA #448 FEATHERED COPPER		
L4	LAMINATED PLASTICS BY FORMICA #3517-58 SAND CRYSTAL		
L5	LAMINATED PLASTICS BY FORMICA #5488-NT SMOKY BROWN PEAR		
L6	LAMINATED PLASTICS BY FORMICA #444 FEATHERED ALUMINUM		
SOFFIT EDGE WILL HAVE SCHULTER-RONDEC (AE) WITH SCHIENE RADIUS SCHLUTER (AE) FOR ALL RADIUS EDGES. (ABOVE SALES COUNTER)			
WALL TRANSITION			
WT1	ALUMINUM SCHLUTER STRIP - RONDEC, STAINLESS STEEL - VERIFY WITH OWNER		
WT2	ALUMINUM SCHLUTER STRIP - VERTICAL 90 DEGREE 1" - ECK-E, STAINLESS STEEL VERIFY WITH OWNER.		

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PK2534PK1183LLP2030PKZ109

FBC CODE: 2020 FBC

DATE: 02/03/2023

1	1/14/2023	Date
1	ISSUE FOR PERMIT	Revision/Issue

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Sheet Title
INTERIOR ELEVATIONS MATERIAL LIST

Project No. 170-84-00	Sheet
Date AS NOTED	A11.2
Scale AS NOTED	

LUMINAIRE SCHEDULE						
SYMBOL	QTY	LIGHT TYPE	LABEL	ARRANGEMENT	LLF	DESCRIPTION
☐	32	CANOPY LIGHT	LEGACY LED	SINGLE	0.910	CRUS-SC-LED-VHO-CW-UE
☒	0	CANOPY LIGHT	SINGLE HEAD	SINGLE		SMA-LED-28L-ACR-3UNIV-50 (30 DEGREE TILT (UP))
		LED CANOPY FASCIA	3-ROWS LED LIGHTING			
FIRE EXTINGUISHER AND CABINET						
▲	8	CABINET BY LARSEN'S MANUFACTURING #2712-RK-FULL PANEL-AL SQUARE TRIM SEMI-RECESSED RED VERTICAL LETTERING. CABINET AND HIGH HAZARD FIRE EXTINGUISHER SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (ABC DRY CHEMICAL - 5 LB.)				

NOTE:
FOR ILLUSTRATIVE PURPOSES AND DIMENSIONING OF LIGHTING/COLUMNS ONLY. FULL SET OF ENGINEERED CANOPY DRAWINGS PROVIDED. SEE SHEETS CS1, CS2, AND AB1.

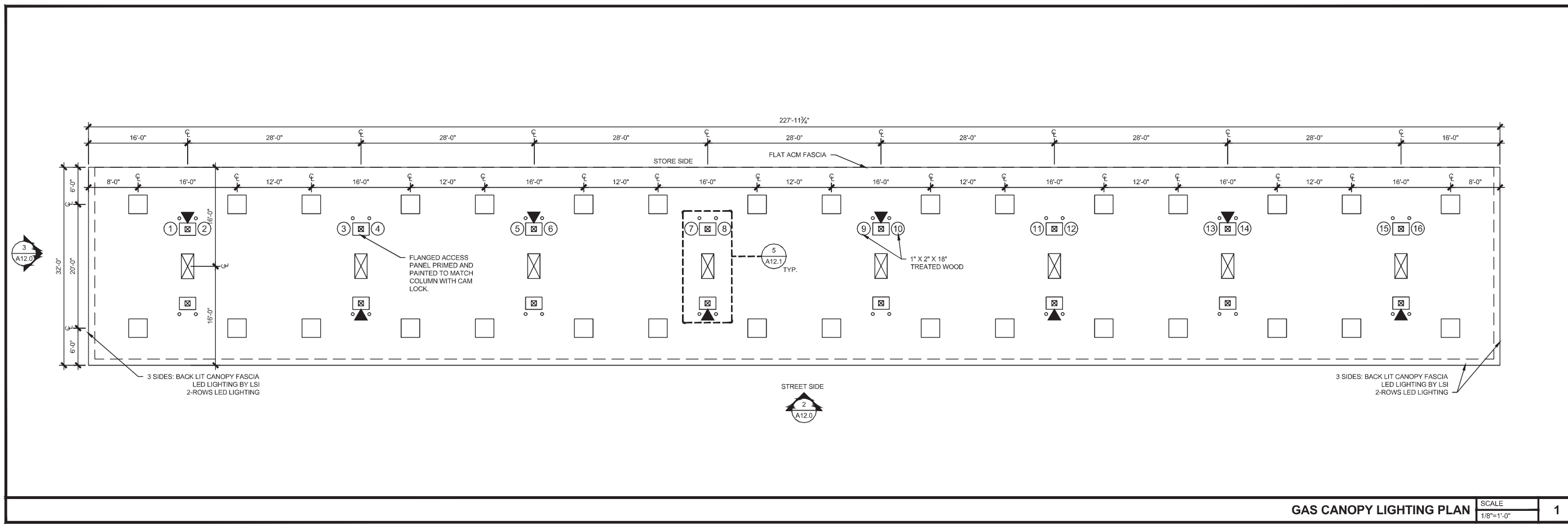
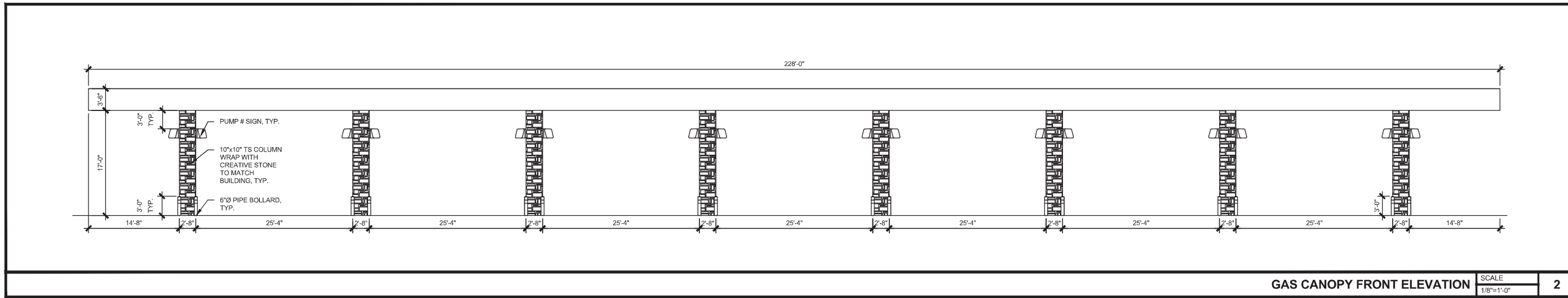
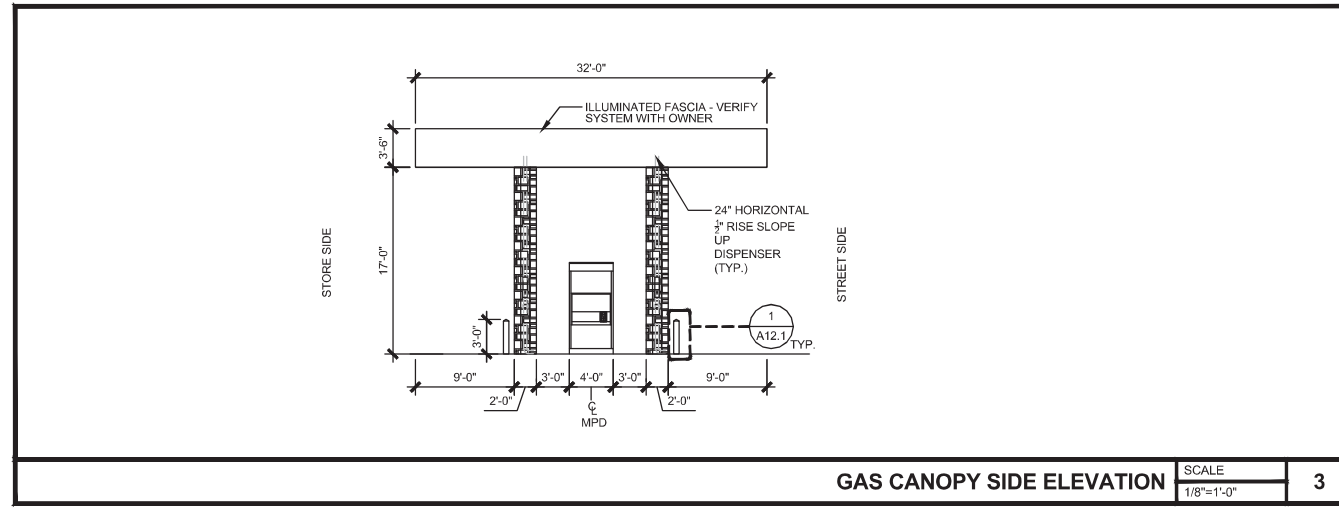
BASIC WIND SPEED: V=155 MPH, V_{asd}=120 MPH
BUILDING RISK CATEGORY: II

SCOPE OF WORK / CONTRACTORS RESPONSIBILITIES:

- CANOPY STRUCTURAL SYSTEM AND FASCIA SUPPLIED BY OWNER. INSTALLED BY GENERAL CONTRACTOR. FASCIA SYSTEM PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR. FINAL ELECTRICAL CONNECTIONS BY GENERAL CONTRACTOR.
- LIGHTS PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR. FINAL ELECTRICAL CONNECTIONS BY GENERAL CONTRACTOR.
- CANOPY COLUMN FRAMING SYSTEM AND STONE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- GAS PUMP SIGNAGE:
*MADE OF .063 HEAVY-DUTY ALUMINUM.
*PRINTED ON TWO SIDES.
*ROUNDED CORNERS.
*1" BEND WITH INDUSTRIAL STRENGTH DOUBLE SIDED TAPE.
*PREDRILLED MOUNTING HOLES FOR ADDITIONAL SECURITY.

REVIEWED FOR CODE COMPLIANCE

Coastal Code Surfaces
Professional Seal & Stamp
EXAMINER: PY2524PK1183LP2030PK2108
FBC CODE: 2020 FBC
DATE: 02/03/2023



NO.	REVISION/ISSUE	DATE
1	ISSUE FOR PERMIT	11/14/2022

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Date

This item has been electronically signed and sealed by (Nisit Sapparkhao, PE) on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy. FAC 61G15-23.004

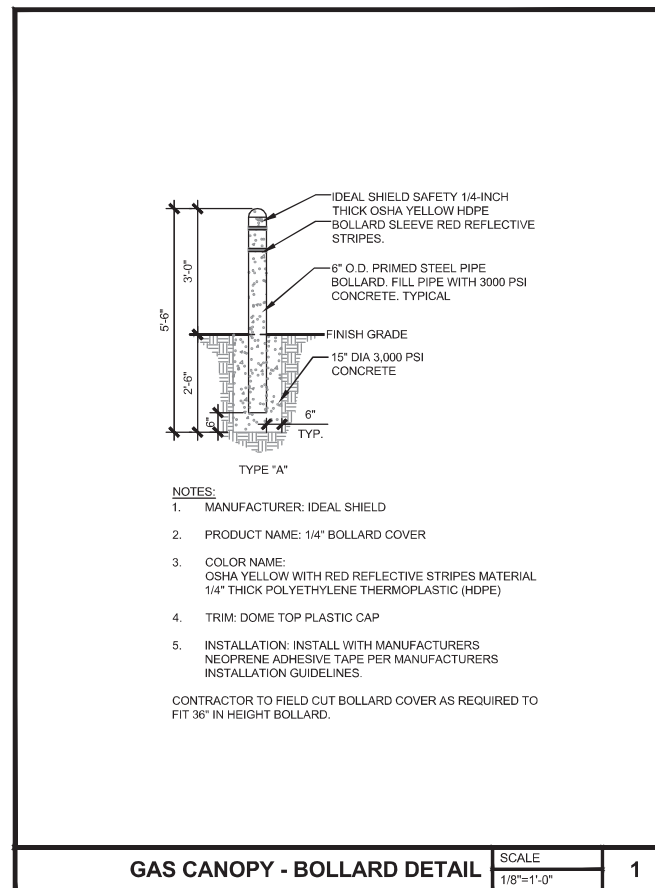
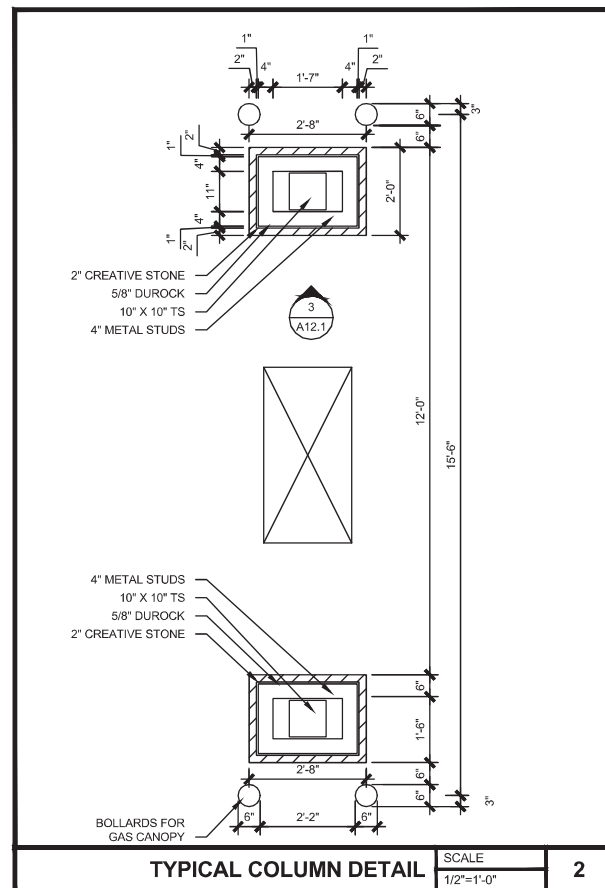
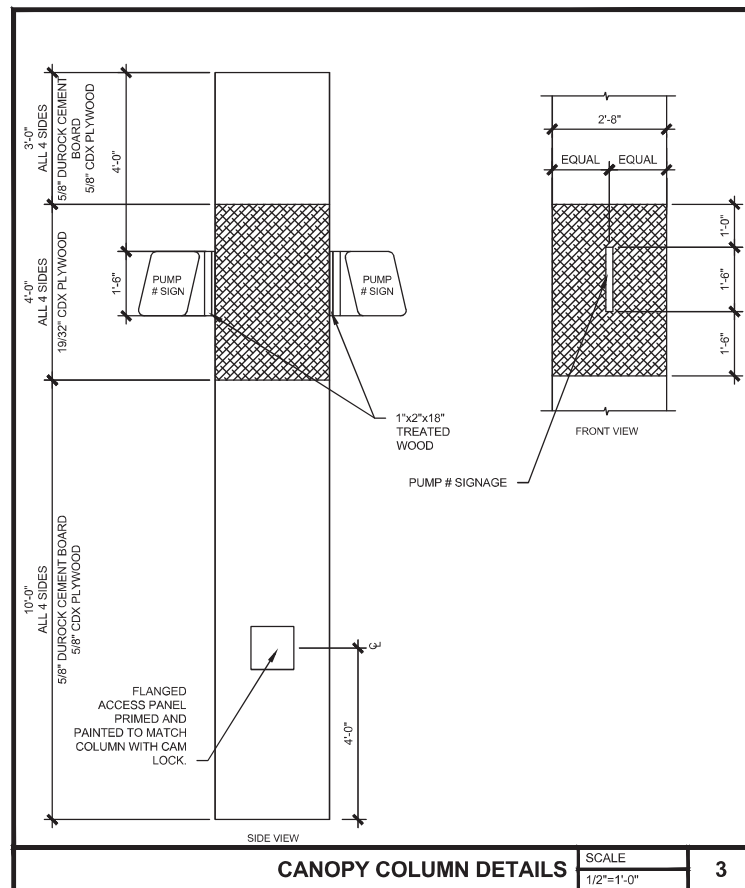
NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
GAS CANOPY PLAN AND ELEVATIONS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet
A12.0



REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
 Professional Engineering & Architecture Services, Inc.

EXAMINER: PK265MPX118SLP203PPC2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

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CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

GAS CANOPY PLAN DETAILS

Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

Sheet A12.1

GENERAL NOTES	STRUCTURAL STEEL	STEEL STUD NOTES	SHOP DRAWINGS
<ol style="list-style-type: none"> THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE PRIOR FOR ERECTOR STARTING WORK. ANY DEVIATIONS FROM THESE DRAWINGS DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD. THE GENERAL CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION DURING THE CONSTRUCTION TO COMPLY WITH LOCAL CODES, FEDERAL, AND OSHA REGULATIONS. THE GENERAL CONTRACTOR SHALL GRADE, BACKFILL, LEVEL AND OTHERWISE PREPARE THE JOBSITE FOR SAFE WORKING CONDITIONS PRIOR TO ERECTION OF ANY KIND. NO STEEL SHALL BE ERECTED ON THE FOUNDATIONS / FOOTINGS UNTIL THE CONCRETE HAS CURED A MINIMUM OF (3) DAYS. ALL ELECTRICAL WORK TO BE DONE IN ACCORDANCE WITH THE NEC, AND PERFORMED BY A LICENSED ELECTRICIAN. A TYPICAL FOUNDATION DESIGN WILL BE PROVIDED. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT SOIL CONDITIONS AT THE SITE ARE ADEQUATE FOR TYPICAL FOUNDATIONS PROVIDED, UPON REQUEST, THE ENGINEER OF RECORD WILL PROVIDE THE REQUIRED DESIGN LOADS AND ANCHOR BOLT PATTERNS FOR A CUSTOM FOUNDATION DESIGNED BY OTHERS. THE GENERAL CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MEANS FOR GARBAGE AND DEBRIS REMOVAL. 	<ol style="list-style-type: none"> STRUCTURAL STEEL ROLLED SHAPES SHALL CONFORM TO ASTM A-992, GRADE 50, FY = 50 KSI SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 KSI STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B, FY = 35 KSI CHANNELS, ANGLES AND PLATES ASTM A36 STRUCTURAL STEEL DESIGN SHALL BE DONE IN ACCORDANCE WITH AISC "MANUAL OF STEEL CONSTRUCTION". ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF RUST INHIBITIVE PAINT OR EQUAL TO RUSTOLEUM. STRUCTURAL STEEL FABRICATIONS AND ERECTION SHALL BE DONE IN ACCORDANCE WITH THE AISC LA TEST CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. 	<ol style="list-style-type: none"> MATERIALS: <ol style="list-style-type: none"> STUDS AND TRACKS : 16 GA & 18 GA. STUDS. TRACKS TO MATCH GAUGE OF STUDS. <ol style="list-style-type: none"> ASTM A446 GRADE D, FY - 50 KSI MIN. ALL WELDING TO BE DONE BY A CERTIFIED WELDER. CONNECTIONS: <ol style="list-style-type: none"> FIELD BOLTED / TEK SCREWED W/ #14 x 3/8" GALV. TEK SCREWS (4 MIN. PER CONNECTION). ALL MATERIAL IS GALVANIZED COATED IN ACCORDANCE WITH ASTM 525-G60. APPLY ZIN RICH COATING TO ALL FIELD WELDS. SUBMIT SHOP DRAWINGS FOR ALL STUD MATERIAL PRIOR TO FABRICATION. ALL EXTERIOR STUDS ARE TO BE 6" WIDE, 16 GA. MIN @ 16" O.C. ALL STUD MEMBERS AND THEIR CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR/ INSTALLER FOR A HORIZONTAL WIND LOAD NOTES IN THESE DESIGN PARAMETERS, PROVIDE CALCUALTIONS STMAPED AND SIGNED BY A REGISTERED ENGINEER IN THE STATE WHERE PROJECT IS LOCATED. DEFLECTION LIMIT IS L/240OR L/360 FOR PLASTER APPLICATIONS. WELD SIZES ARE TO BE 1/8" MIN. WITH AWS TYPE 6013 OR 7014 FILLER. PROVIDE CONTINUOUS BRIDGING @ 4'-0" O.C. MAX. FOR ALL WALLS. BRIDGING FOR ROOF JOISTS SHALL BE 8'-0" O.C. MAX. 	<ol style="list-style-type: none"> SHOP DRAWINGS ARE TO BE SUBMITTED FOR ALL STRUCTURAL ELEMENTS OF THE BUILDING, FOUNDATION, ETC., FOR REVIEW IN ACCORDANCE WITH CONTRACT SPECIFICATIONS. <ol style="list-style-type: none"> DRAWINGS SHALL BE LEGIBLE AND CLEARLY MARKED WITH MATERIAL SIZE, SPECIFICATION, ETC. ALLOW A MINIMUM OF 2 WEEKS FOR SHOP DRAWING REVIEW. CONTRACTOR IS RESPONSIBLE FOR CLEAR AND CONCISE SHOP DRAWING SUBMITTAL FOR REVIEW TO THE ENGINEER OF RECORD. <ol style="list-style-type: none"> ALL DIMENSIONS, SIZES, DESIGN COMPLIANCE, ETC., IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BEFORE DRAWINGS ARE SUBMITTED TO THE ENGINEER OF RECORD FOR FINAL REVIEW. IF THERE ARE ANY DISCREPANCIES BETWEEN THE SHOP DRAWINGS AND STRUCTURAL DRAWINGS, THE STRUCTURAL DRAWINGS SHALL GOVERN. PROVIDE SUBMITTALS FOR THE FOLLOWING MATERIALS: <ol style="list-style-type: none"> CONCRETE MIX DESIGN CURING COMPOUND REINFORCING STEEL AND ALL STRUCTURAL STEEL METAL DECKING 2.4.1 LAYOUT, TYPES, ANCHORAGE, CHANNELS, OPENINGS, ACCESSORIES, ETC.
SITE CONDITIONS	ANCHOR BOLTS <ol style="list-style-type: none"> ANCHOR BOLTS SHALL BE ASTM A325N MATERIAL. INSTALLATION OF ANCHOR BOLTS SHALL BE IN ACCORDANCE WITH THE ANSI CODE OF STANDARD PRACTICE, SECTIONS 7.5. WELDING <ol style="list-style-type: none"> STRUCTURAL WELDING SHALL CONFORM TO AWS D1.1. STRUCTURAL LIGHT GAUGE WELDING SHALL CONFORM TO AWS 1.3. STRUCTURAL WELDING SHALL BE DONE IN THE SHOP OF A LICENSED FABRICATOR. ALL STRUCTURAL FIELD WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER. AWS E70XX ELECTRODES SHALL BE USED FOR ALL STRUCTURAL WELDS, EXCEPT FOR SPECIAL CLIPS. ALL STRUCTURAL WELDS TO BE 1/4" FILLET, FULL PENETRATION WELDS, UNLESS OTHERWISE SPECIFIED. 	STEEL ROOF DECK NOTES <ol style="list-style-type: none"> DECK SHALL BE 1-1/2", 22 GA. GALV. (G60), TYPE F. DECK ENDS MAY BE EITHER BUTTED OR LAPPED OVER SUPPORTS. ON JOIST FRAMING, APPROPRIATE END LAPS SHALL OCCUR OVER A TOP CHORD SUPPORT ANGLE FOR ANCHORAGE. ATTACH METAL DECK TO STRUCTURAL STEEL WITH A 5/8" DIA. PUDDLE WELD @ 6" O.C. AT THE EDGES AND 10" O.C. IN THE FIELD. FASTEN SIDE LAPS WITH #12 X 3/4" GALV. TEK SCREWS @ 6" O.C. 	CONCRETE NOTES <ol style="list-style-type: none"> ENGINEER OF RECORD MUST BE NOTIFIED WITHIN 48 HOURS OF PLACING CONCRETE. CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE. STRUCTURAL CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 AND SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS OF 3000 PSI UNLESS OTHERWISE NOTED. CONCRETE, WHEN PLACED, SHALL HAVE A SLUMP OF 4" PLUS OR MINUS 1". PROVIDE A MINIMUM OF 6 MIL. VAPOR BARRIER AT ALL AIR CONDITIONED SPACES AND GARAGES. HOLES IN VAPOR BARRIER ARE NOT PERMITTED AROUND ALL SEAMS AND CUT-OUTS. ALL REINFORCING SHALL CONFORM TO ASTM A615 FOR GRADE 60, STEEL/WELDED WIRE MESH TO CONFORM TO ASTM A-185. <ol style="list-style-type: none"> PROVIDE CHAIRS AND BOLSTERS. <ol style="list-style-type: none"> BOLSTERS TO HAVE PLASTIC COATED LEGS AND FEET (IF EXPOSED TO EXTERIOR ELEMENTS). ENSURE MESH IS EMBEDDED 1" FROM THE TOP SLAB. LAP JOINTS @ 8" AND TIE. WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A185 AND SHALL BE ADEQUATELY SUPPORTED @ 3'-0" O.C. EACH WAY. THE MINIMUM CONCRETE COVERAGE SHALL BE AS FOLLOWS: <ol style="list-style-type: none"> CAST AGAINST EARTH: 3" EXPOSED TO EXTERIOR ELEMENTS: 1" FORMED SURFACES: 1" CONSTRUCTION JOINTS DESIGN AND LOCATIONS SHALL CONFORM STRICTLY TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. ANY CONSTRUCTION OR CONTROL DESIRED OR PREFERRED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THOSE AREAS INVOLVED. CHECK ALL DRAWINGS AND APPLICABLE MANUFACTURER'S SHOP DRAWINGS FOR LOCATION OF ALL EMBEDDED ITEMS SUCH AS PIPE SLEEVES, ANCHOR BOLTS, ETC., PRIOR TO PLACING CONCRETE. REINFORCEMENT FOR CONTINUOUS FOOTINGS SHALL BE CONTINUOUS AND SPLICED WITH A FULL 30" LAP. PROVIDE CORNER BARS. CONTRACTOR SHALL PROVIDE SAWCUTS IN SLAB @ A MAX. SPACING OF 20'-0" ON CENTER EACH WAY OR 400 S.F. AND AT ALL RE-ENTRANT CORNERS. SAW CUT SHALL BE 1/4 OF THE SLAB DEPTH AND SHALL BE PERFORMED AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY ENOUGH TO PREVENT THE AGGREGATE FROM DISLODGING BY THE SAW BLADE. THIS IS AN EFFORT TO CONTROL THE STRESSES, AN INHERENT PROPERTY OF CONCRETE WHICH SOMETIMES RESULTS IN CRACKS (WHICH IS NOT UNCOMMON). CONCRETE FOR SLABS ON GRADE AND ELEVATED SLABS SHALL HAVE 3/4" LARGE AGGREGATE. "PEAROCK" IS NOT PERMITTED FOR SLABS. ELEVATED SLABS SHALL BE TEMPORARILY SHORED UNTIL FULLY CURED. ALL CONCRETE THAT IS ALTERED (WATER, ADDITIVES, ETC.) SHALL BE TESTED TO ENSURE STRENGTH REQUIREMENTS ARE MET.
<ol style="list-style-type: none"> PROVIDE A DRIVE ACCESSIBLE TO WITHIN 15' OF THE PERIMETER OF THIS STRUCTURE IN ORDER TO UNLOAD MATERIALS AND PERFORM WORK. FILL ALL OPEN TANK HOLES AND TRENCHES WITHIN 15' OF THE PERIMETER OF THIS STRUCTURE FROM THE TIME THAT THE STRUCTURE ANALYSIS UNTIL ERECTION IS COMPLETE. THE JOBSITE MUST BE DRY ENOUGH FOR VEHICLES AND PERSONNEL TO PERFORM WORK. IF NECESSARY, THE GENERAL CONTRACTOR SHOULD LAY GRAVEL IN EXCESSIVELY MUDDY AREAS TO ENSURE ADEQUATE WORKING CONDITIONS. POURED CONCRETE PAVING UNDER AND AROUND THE PERIMETER OF THE STRUCTURE TO BE EXCLUSIVELY FOR WORK SPACE AND STAGING OF MATERIALS. ALL OVERHEAD OBSTRUCTIONS ARE TO BE REMOVED PRIOR TO THE ARRIVAL OF MATERIALS. FORM, SET, AND POUR FOUNDATIONS AS PER PROVIDED FOUNDATION PLAN. ALL FORMS SHALL BE REMOVED PRIOR TO ARRIVAL OF MATERIALS AND ALL ANCHOR BOLT THREADS SHALL BE FREE OF DEBRIS / DUST AND SHALL BE ACCESSIBLE. ALL ANCHOR BOLTS (WITH NUTS INSTALLED) SHALL BE SET AT THE PROPER ELEVATIONS WITH NO MORE THAN 1/4" TOLERANCE. PROVIDE TEMPORARY POWER SOURCE (110 VOLTS) WITHIN 100 FEET OF THE STRUCTURE FOR THE ERECTORS USE. OBTAIN ALL REQUIRED PERMITS FROM LOCAL AUTHORITIES AND ARRANGE ALL LOCAL INSPECTIONS UNLESS PROVIDED BY THE ENGINEER OF RECORD. 	BOLTS <ol style="list-style-type: none"> ALL BOLTS SHALL BE ASTM A325 HIGH STRENGTH BOLTS UNLESS NOTED OTHERWISE ON THESE DRAWINGS. HIGH STRENGTH BOLTS SHALL BE INSTALLED USING THE "TURN OF BUT" TIGHTENING METHOD. BOLTS SHALL BE BROUGHT TO THE SNUG TIGHT CONDITION AND THEN TIGHTENED 1/3 TURN. 	STEEL BAR JOIST NOTES <ol style="list-style-type: none"> FABRICATION AND ERECTION PER SJI REQUIREMENTS. JOIST BRIDGING: <ol style="list-style-type: none"> THE NUMBER OF ROWS AS SHOWN ON THE CONTRACT DRAWINGS. SHOULD NOT BE LESS THAN REQUIRED BY SJI. USE HORIZONTAL BRIDGING FOR K-SERIES. USE DIAGONAL ROW NEAREST TO THE MID SPAN WHERE 4 OR 5 ROWS ARE REQUIRED BY SJI. DIAGONAL BRIDGING TO BE BOLTED TO THE JOISTS AT THEIR POINT OF INTERSECTION. ENDS TO BE ANCHORED W/ HORIZ. BRIDGING. HORIZ. BRIDGING MAY BE IN NO MORE THAN (2) CONSECUTIVE BAYS TO PROVIDE PASSAGE FOR DUCT WORK. JOIST BEARING: <ol style="list-style-type: none"> WELD ALL JOISTS TO THE SUPPORTING STEEL W/ (3) INCHES OF 1/8" FILLET WELDS FOR K-SERIES JOIST EA. SIDE OF BEARING. JOIST TO BE FIELD BOLTED NEAR OR ON THE COLUMN LINES. IF THERE IS NO JOIST @ COLUMN LINE, FIELD BOLT CLOSEST TO THE COLUMN ON EA. SIDE. EXTEND BOTTOM CHORDS OF THE SAME JOISTS AND WELD THEM W/ 1/4" WELDS TO THE BEAM OR COLUMN. EXTEND ALL JOISTS 1" MIN. PAST THE CENTERLINE OF THE SUPPORTING STEEL MEMBERS (WHERE POSSIBLE). BEARING LOCATION TO BE PER SHOP DRAWINGS ACCORDING TO THE STANDARD PROVISIONS OF SJI. SHOP DRAWINGS: <ol style="list-style-type: none"> FURNISH (2) PRINTS OF EA. SHOP AND ERECTION DRAWINGS FOR REINFORCING STEEL, STRUCTURAL STEEL, STEEL JOISTS, AND MISC. STEEL TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION. 	
ERECTORS NOTES	SCREWS <ol style="list-style-type: none"> SHEET METAL SCREWS SHALL BE MADE FROM CARBON STEEL WIRE. SIZE AND SPACING SHALL BE INDICATED ON DETAIL SHEETS. 	POP RIVETS <ol style="list-style-type: none"> ALL POP RIVETS SHALL BE THE BREAK MANDREL BLIND RIVET TYPE AND SHALL CONFORM TO IFI STANDARD 114. FINISHES SHALL BE ALUMINUM OR STAINLESS STEEL. SIZE AND SPACING SHALL BE INDICATED ON THESE DRAWINGS. POP RIVETS SHALL NOT BE USED IN STRUCTURAL APPLICATIONS UNLESS SPECIFICALLY CALLED FOR BY THE DESIGN CALCULATIONS. ROOFING NOTES <ol style="list-style-type: none"> ROOFING MATERIAL SHALL BE ATTACHED PER MANUFACTURERS SPECIFICATIONS TO MEET THE DESIGN CRITERIA PRESCRIBED IN THESE PLANS. ROOF TO BE PITCHED A MINIMUM OF 1/4" PER FOOT. FOUNDATION NOTES <ol style="list-style-type: none"> SOIL TO BE COMPACTED TO AT LEAST 95% MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR). FOUNDATIONS ARE DESIGNED BASED ON A PRESUMPTIVE MINIMUM SOIL BEARING PRESSURE OF 2000 PSF. FOOTINGS SHALL BE PLACED ON COMPACTED SOIL FREE OF ORGANIC DEBRIS. ASSUMED BEARING CAPACITY OF SOIL = 2000 PSF. 	
<ol style="list-style-type: none"> VERIFY ALL ITEMS UNDER THE SITE CONDITIONS IF THESE ITEMS HAVE NOT BEEN ADDRESSED. CONTACT YOUR SUPERVISOR PRIOR TO UNLOADING MATERIALS. VERIFY DIMENSIONS OF ALL FOOTING LOCATIONS PRIOR TO UNLOADING MATERIALS. DESIGNATE A SAFE AND SECURE STAGING AREA AND UNLOAD ALL MATERIALS. SET LEVELING NUTS TO PROPER ELEVATIONS. <ol style="list-style-type: none"> NOTE: ALL LEVELING NUTS TO BE AT THE SAME ELEVATION. SET COLUMNS IN PLACE. LEVEL, PLUM, AND TIGHTEN NUTS ON ALL COLUMNS PRIOR TO PROCEEDING. INSTALL ALL OVERHEAD STEEL FRAMING ONCE ALL FRAMING HAS BEEN INSTALLED. SQUARE UP FRAMING BY VERIFYING LATER DIMENSIONS. CLEAN ALL DECKING PRIOR TO INSTALLATION. INSTALL ALL FASTENERS AT THE CENTERLINES OF THE DECK RIBS. INSTALL OVERFLOW SCUPPERS AND WATERPROOF ENTIRE GUTTER.. 9.INSTALL DECK SUPPORTS AT COLUMNS WHERE DECK RIBS WERE CUT FOR INSTALLATION PURPOSES. WATERPROOF THE ENTIRE STRUCTURE AND CLEAN ALL PRE-FINISHED MATERIALS. TOUCH UP ALL EXPOSED FASTENERS. CLEAN UP ALL DEBRIS AND REMOVE FROM JOBSITE (EACH DAY AT THE COMPLETION). REMOVE ALL METAL SHAVINGS FROM CANOPY. 	FOUNDATION NOTES <ol style="list-style-type: none"> SOIL TO BE COMPACTED TO AT LEAST 95% MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR). FOUNDATIONS ARE DESIGNED BASED ON A PRESUMPTIVE MINIMUM SOIL BEARING PRESSURE OF 2000 PSF. FOOTINGS SHALL BE PLACED ON COMPACTED SOIL FREE OF ORGANIC DEBRIS. ASSUMED BEARING CAPACITY OF SOIL = 2000 PSF. 	WINDOWS AND DOOR NOTES <ol style="list-style-type: none"> WINDOWS, DOORS, SHUTTERS, AND ALL COMPONENTS SHALL BE DESIGNED AND INSTALLED PER THE MINIMUM DESIGN PRESSURES AS PRESCRIBED IN THESE PLANS. ALL WINDOWS ARE TO BE INSTALLED ON 2X PRESSURE TREATED BUCKS, AND AS PER MANUFACTURERS SPECIFICATIONS UNLESS OTHERWISE NOTED. 	

REVIEWED FOR CODE COMPLIANCE


 EXAMINER: NISIT SAPPARKHAO
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

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NISIT SAPPARKHAO, P.E. FL REG. NO. 64085	
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Project Name and Address CEFCO #426 - PACE 90 WEST SPENCER FIELD ROAD PACE, FL 32871	Sheet Title STRUCTURAL GENERAL NOTES
Project No. 170-84.00	Sheet S1.0
Date AS NOTED	Scale AS NOTED
CONTD ON S1.1	

CONCRETE NOTES (CONT'D)

- TERMINATE ALL VERTICAL REINFORCING AT THE TOP AND BOTTOM WITH 10" ACI HOOKS.
- SOILS SHALL BE TREATED.

LIGHT GAUGE STEEL

- STRUCTURAL LIGHT GAUGE STEEL SHALL CONFORM TO ASTM A1003/A1003M WITH MIN. FY = 33 KSI
- BUYOUT LIGHT GAUGE STEEL SHAPES SHALL CONFORM TO MANUFACTURERS SPECIFICATIONS AS CALLED OUT IN THE DESIGN CALCULATIONS/DRAWINGS.
- DESIGN OF LIGHT GAUGE STRUCTURAL STEEL SHALL BE DONE IN ACCORDANCE WITH THE ANSI COLD FORMED STEEL DESIGN MANUAL.

DESIGN PARAMETERS FOR WIND LOAD COMPLIANCE

- RISK CATEGORY II
- FLORIDA BUILDING CODE SEVENTH EDITION (2020) AND ASCE 7-16
- BUILDING DESIGN IS ENCLOSED
- MEAN ROOF HEIGHT IS 15'-0"
- ROOF PITCH 1/4":12" DEGREES
- INTERNAL PRESSURE COEFFICIENT ± 0.18
- WIDTH OF END ZONE A = 5'-3"
- WIND SPEED (VULT) 155 MPH 3-SECOND GUST (VASD) 120 MPH 3-SECOND GUST
- WIND EXPOSURE CLASSIFICATION: C
- ADJUSTMENT FACTOR FOR EXPOSURE AND HEIGHT = 1.21

WIND COMPONENTS AND CLADDING PRESSURES (PSF)						
EFF. AREA (SQ.FT.)	ROOF				WALL	
	ZONE 1'	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
< 10	+21.30/-45.01	+21.30/-78.41	+21.30/-103.39	+21.30/-140.90	+52.39/-56.81	+52.39/-70.12
20	+19.90/-45.01	+19.90/-73.20	+19.90/-96.73	+19.90/-127.65	+50.03/-51.83	+50.03/-61.40
50	+18.21/-45.01	+18.21/-66.37	+18.21/-87.91	+18.21/-110.05	+46.83/-51.30	+46.83/-51.30
100	+16.82/-45.01	+16.82/-61.23	+16.82/-81.31	+16.82/-96.74	+44.53/-48.94	+44.53/-48.94

ALL THESE WIND PRESSURES ARE MULTIPLIED WITH ADJUSTMENT FACTOR FOR BUILDING AND HEIGHT AND REDUCED PRESSURES PER FBC /IBC WITH MULTIPLYING FACTOR: 0.6

THE DESIGN WIND PRESSURE FOR C&C OF BUILDINGS SHALL NOT BE LESS THAN A NET PRESSURE OF 16 LBS/SQ. FT. ACTING IN EITHER DIRECTION NORMAL TO THE SURFACE.

- LOADS:
ROOF / DEAD : 25 PSF
ROOF / LIVE : 30 PSF

DESIGN PARAMETERS FOR SEISMIC LOAD COMPLIANCE

- IMPORTANCE FACTOR = 1.0
- OCCUPANCY RISK CAT. II
- SPECTRAL RESPONSE ACCELERATIONS
S_s = 0.083
S₁ = 0.056
- SITE CLASS D
SPECTRAL RESPONSE COEF.
S_{ds} = 0.088
S_{d1} = 0.09
- SEISMIC DESIGN CAT. B
- SEISMIC FORCE RESISTING SYSTEM
STEEL ORDINARY CONCENTRICALLY
- BRACE FRAMES R=3.25
- ANALYSIS PROCEDURE
EQUIVALENT LATERAL FORCE
- SEISMIC BASE SHEAR 3.8% OF W


LATERAL FORCE-RESISTING SYSTEMS SHALL MEET SEISMIC DETAILING REQUIREMENTS AND LIMITATIONS PRESCRIBED IN ASCE 7, EXCLUDING CHAPTER 14 AND APPENDIX 11A, EVEN WHEN WIND LOAD EFFECTS ARE GREATER THAN SEISMIC LOAD EFFECTS. ALL STRUCTURAL FRAMING SHALL MEET ULTIMATE WIND SPEED REQUIREMENTS AS SET FORTH IN CHAPTER 16, IBC 2015

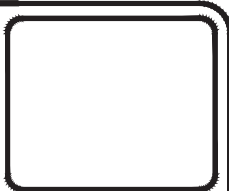
SOIL:
GEOTECHNICAL REPORT:
NOVA JOB NO.: 10116-2022107
PROVIDED BY NOVA ENGINEERING & ENVIRONMENTAL LLC.
DATE: 07/15/2022, SUGGESTED TO USE 2FT. SOIL FILL W/ LOW PLASTICITY SELECT FILL. PROOF ROLLED & PROPERLY COMPACTED BEFORE ANY FOUNDATIONS POURED. SEE GEOTECHNICAL REPORT & CIVIL FOR MORE INFORMATION.

STRUCTURAL DRAWING LIST

S1.0	STRUCTURAL GENERAL NOTES
S1.1	STRUCTURAL GENERAL NOTES
S2.0	FOUNDATION PLAN
S3.0	ROOF FRAMING PLAN
S4.0	BUILDING ELEVATIONS
S5.0	BUILDING ELEVATIONS
SD1.0	FOUNDATION DETAILS
SD1.1	TRASH ENCLOSURE FLOOR PLAN AND DETAILS
SD1.2	TRASH ENCLOSURE EXTERIOR ELEVATIONS
SD1.3	TRASH ENCLOSURE SECTION AND DETAILS
SD1.4	GENERATOR ENCLOSURE FLOOR PLAN AND DETAILS
SD1.5	GENERATOR ENCLOSURE EXTERIOR ELEVATIONS
SD1.6	GENERATOR ENCLOSURE SECTION AND DETAILS
SD2.0	STEEL FRAMING DETAILS
SD3.0	STEEL FRAMING DETAILS
SD4.0	ROOF FRAMING DETAILS
SD4.1	ROOF FRAMING DETAILS
SD5.0	LIGHT GAUGE DETAILS
SD6.0	MISCELLANEOUS DETAILS

REVIEWED FOR CODE COMPLIANCE


EXAMINER: PXS25APX1180LP203PC108
FBC CODE: 2020 FBC
DATE: 02/03/2023



No.	Date	Revision/Issue
1	11/14/2022	ISSUE FOR PERMIT

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NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

Date

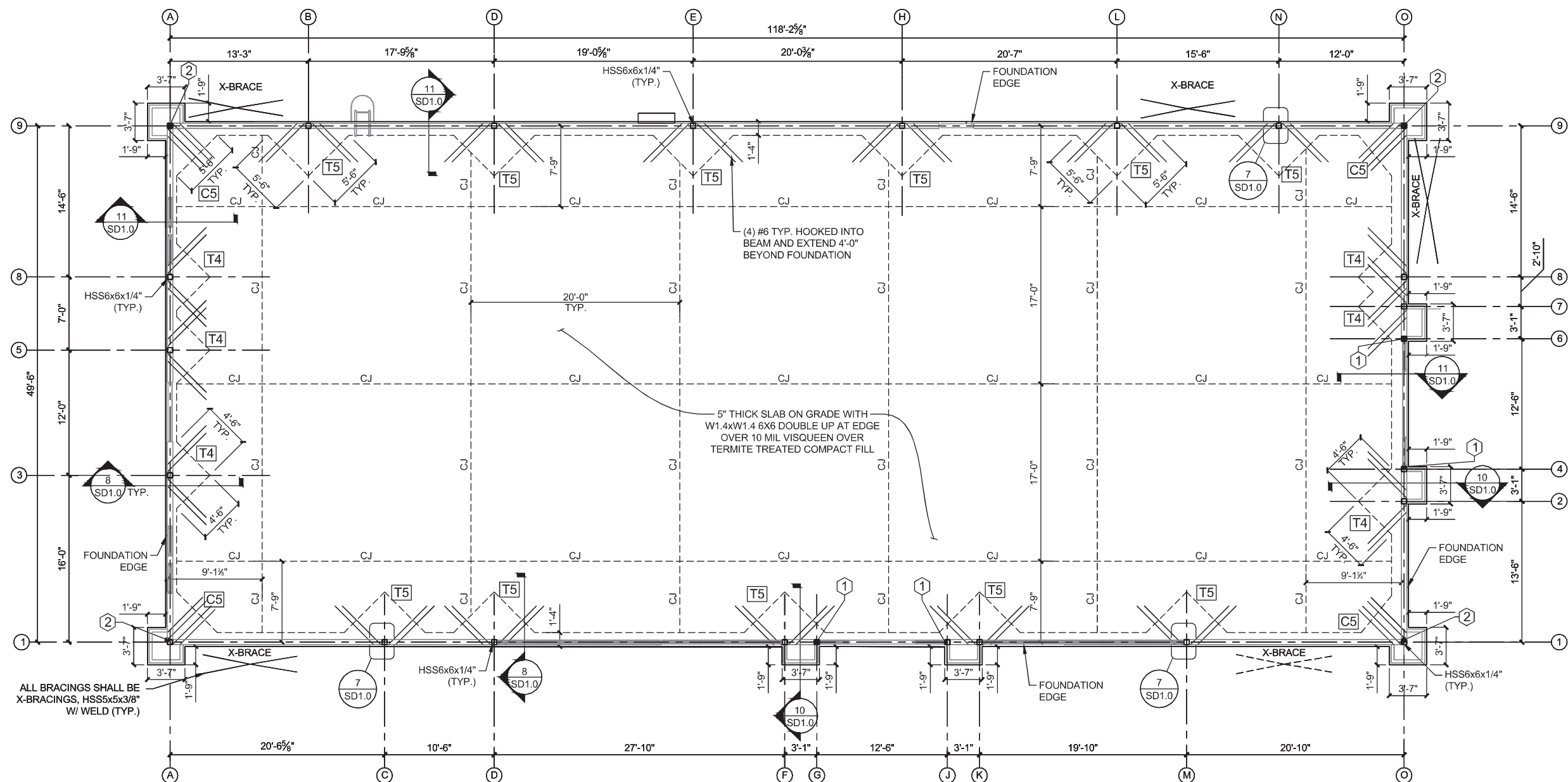
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FAC 61G15-23.004

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PAGE: FL 32571

Sheet Title
STRUCTURAL GENERAL NOTES

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

S1.1



ALL BRACINGS SHALL BE X-BRACINGS, HSS5x5x3/8\"/>

5\"/>

(4) #6 TYP. HOOKED INTO BEAM AND EXTEND 4'-0\"/>

- FOUNDATION NOTES:**
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EMBEDMENT, PLUMBING, FIXTURES, AND DRAINS.
 - REFERENCE ARCHITECTURAL PLANS FOR ALL DIMENSIONS AND VERIFY.
 - SEE SHEET S1.0 & S1.1 FOR ALL MATERIAL SPECIFICATIONS.
 - FOOTING SIZES REFERENCED IN THE PLAN:
 C5: 5'-6\"/>
 - PROVIDE 1/2\"/>
 - ALL COLUMNS ARE HSS6x6x1/4\", U.N.O., INCLUDING BRACING COLUMNS.
 - ALL COLUMNS SHALL EXTEND TO TOP OF PARAPET, U.N.O.

- KEYNOTE:**
- 1 TOP OF COLUMN TO BE AT B.O. STOREFRONT BEAM
 - 2 SEE DETAIL 1/SD1.0 FOR BASE PLATE & ANCHOR BOLTS. (TYP.)

REVIEWED FOR CODE COMPLIANCE



EXAMINER: J2X254PWX1180LP208P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

FOUNDATION PLAN

SCALE
 1/4\"/>

1

1	11/14/2022	Date
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Client Name and Address

CEFCO

CONVENIENCE STORES

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

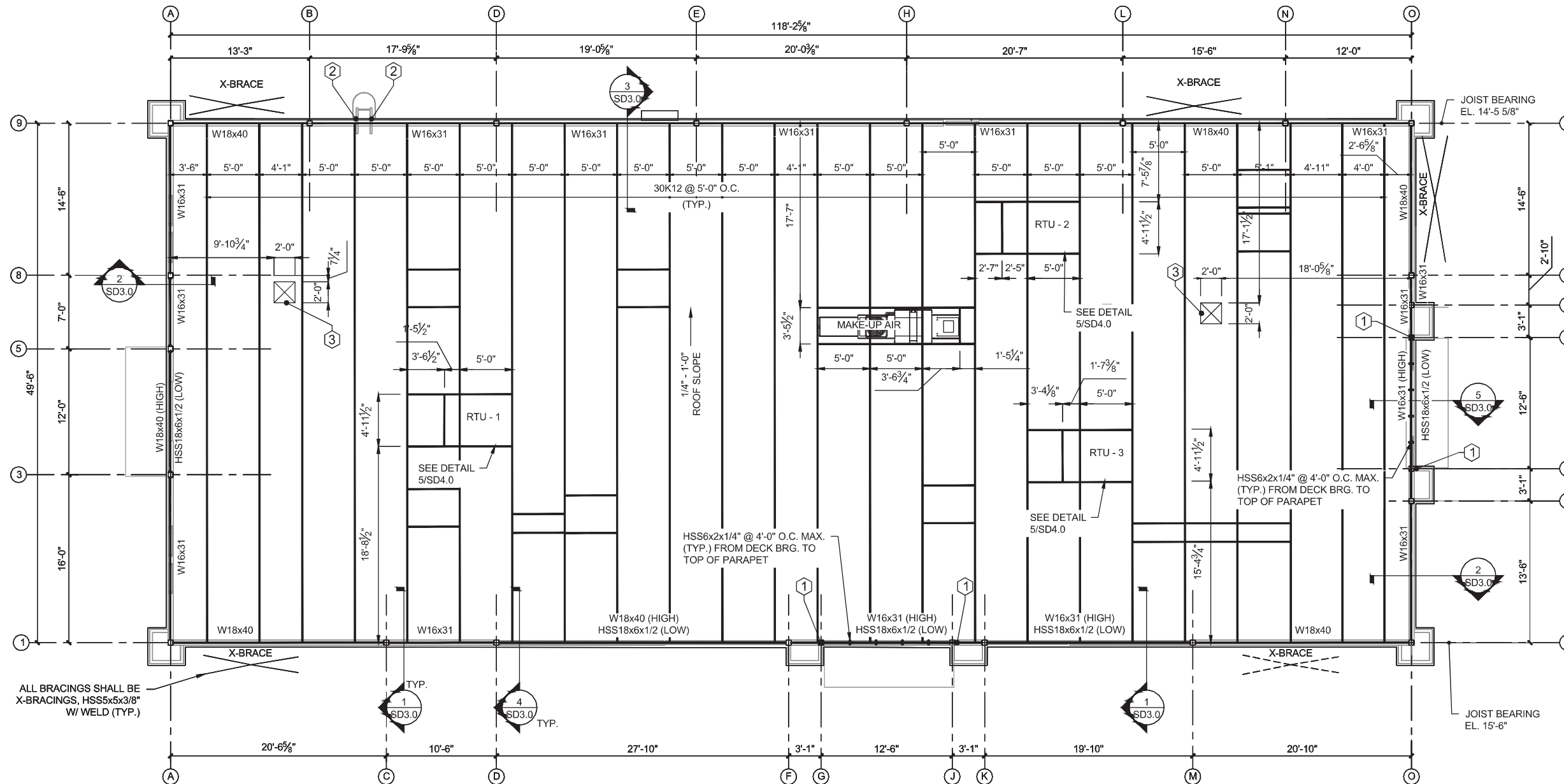
Sheet Title
FOUNDATION PLAN

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

Sheet
S2.0



ROOF FRAMING NOTES:

1. THE ROOF STRUCTURE SHALL NOT BE USED FOR STOCKPILING OF EQUIPMENT OR MATERIALS UNLESS APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND THE JOIST MANUFACTURER.
 2. THE ROOFING SYSTEM SHALL BE AS PER DRAWINGS AND PER CONSTRUCTION SPECIFICATIONS.
 3. COORDINATE ROOF ELEVATIONS WITH ARCH. AND STRUCTURAL DRAWINGS.
 4. ROOF TOP UNITS: GENERAL CONTRACTOR TO INSTALL FLASHING AND COUNTER-FLASHING TO ROOFING MANUFACTURER SPECIFICATIONS.
 5. ALL COLUMNS SHALL BE HSS6x6x1/4", U.N.O.
 6. ALL COLUMNS SHALL EXTEND TO TOP OF PARAPET (19'-0" TYP.) U.N.O.
 7. SEE S1.0 & S1.1 FOR ADDITIONAL NOTES.
 8. CEFCO TOWER INFILL FRAMING AND METAL STUD WALL FRAMING BY OTHERS.
 9. ALL PARAPET BEAMS TO BE HSS6X2X3/16, U.N.O. REFER TO ELEVATIONS FOR MORE INFORMATION.
 10. THE JOIST MANUFACTURER SHALL DESIGN THE JOISTS FOR ADDITIONAL RTU LOADS AS MENTIONED BELOW:
 RTU - 1 800LBS
 RTU - 2 1200LBS
 RTU - 3 1200LBS
 MAKE-UP AIR 1200LBS
11. ▶ DENOTES MOMENT CONNECTION

KEYNOTE:

- 1 TOP OF COLUMN TO BE B.O. STOREFRONT BEAM
- 2 G.C. TO PROVIDE DOUBLE STUDS AT LADDER VERTICAL CONNECTION (TYP.). TO BE DESIGNED BY OTHERS
- 3 REFER TO DETAIL 2/SD4.1 FOR MECHANICAL EQUIPMENT OPENING

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PK2534PX1183JLP2030PX2109

FBC CODE: 2020 FBC

DATE: 02/03/2023

ROOF FRAMING PLAN

SCALE
1/4"=1'-0"

1

No.	Revision/Issue	Date
1 <td>ISSUE FOR PERMIT <td>1/11/2023 </td></td>	ISSUE FOR PERMIT <td>1/11/2023 </td>	1/11/2023



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Project Name and Address
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90 WEST SPENCER FIELD ROAD
PACE, FL 32571

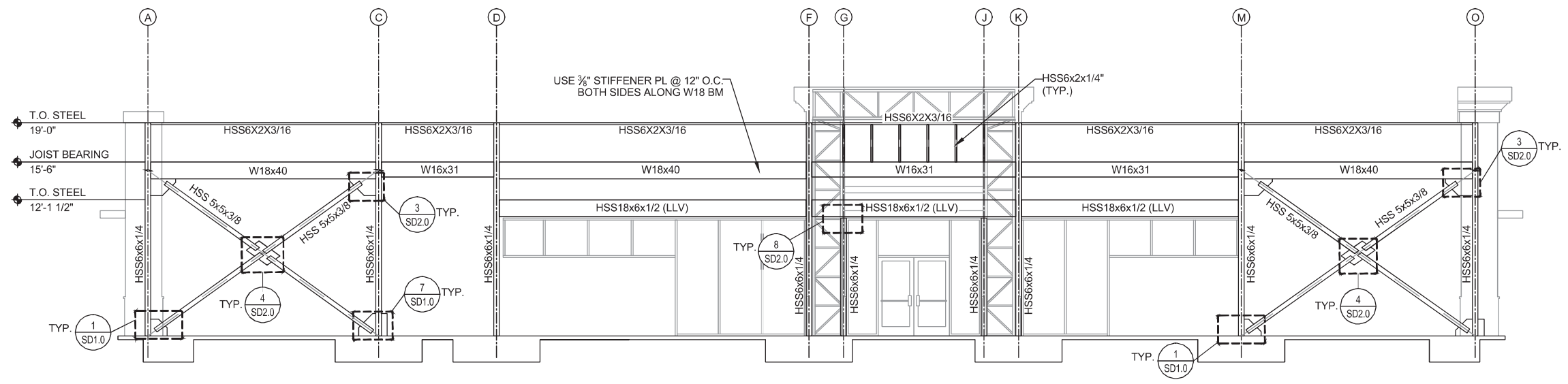
Sheet Title
ROOF FRAMING PLAN

Project No.
170-84-00

Date
AS NOTED

Scale
AS NOTED

S3.0



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EXAMINER: PJ2534MPX1183LP2019P2109
 FBC CODE: 2020.FBC
 DATE: 02/03/2023

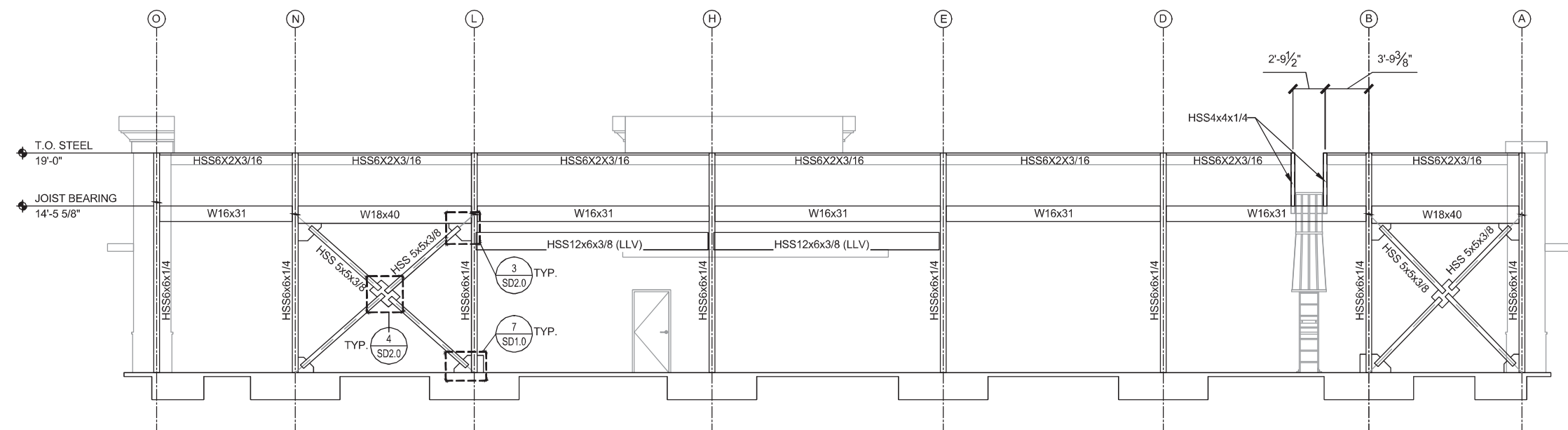
No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/11/2023
2		
3		

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BUILDING ELEVATION AT GRID 1 SCALE 3/16"=1'-0" 2

Client Name and Address
CEFCO
 CONVENIENCE STORES

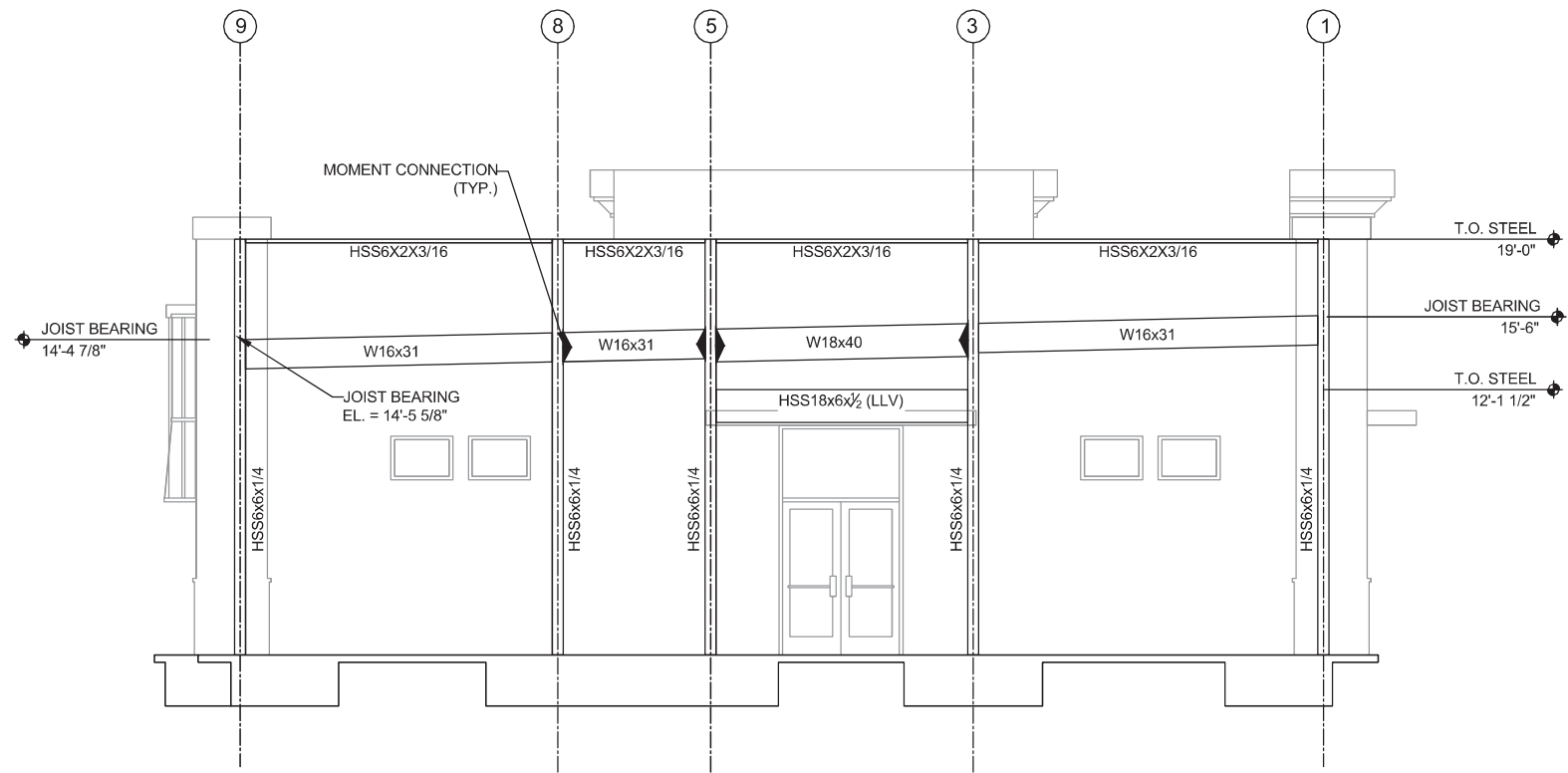
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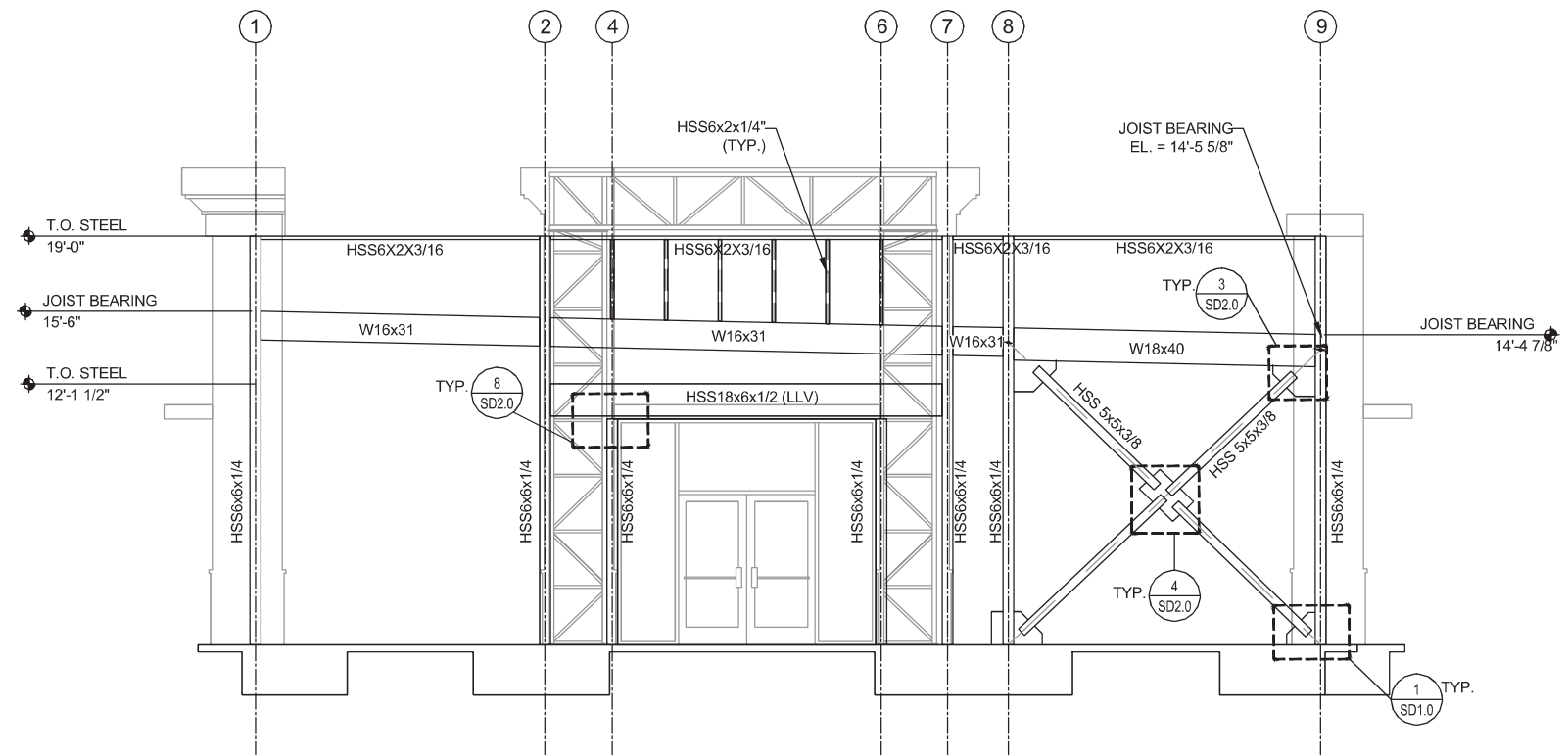
BUILDING ELEVATION AT GRID 9 SCALE 3/16"=1'-0" 1

Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571
BUILDING ELEVATIONS

Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED
S4.0



BUILDING ELEVATION AT GRID A SCALE 1/4"=1'-0" 2



BUILDING ELEVATION AT GRID O SCALE 1/4"=1'-0" 1

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022



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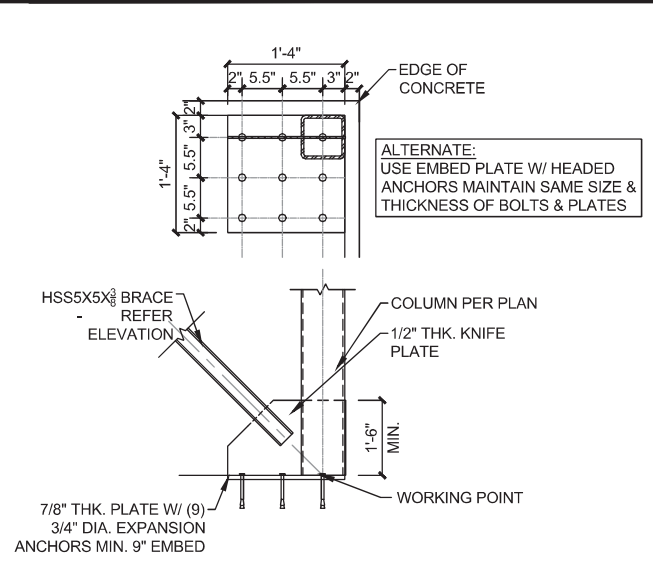
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FBC CODE: 2020 FBC
DATE: 02/03/2023

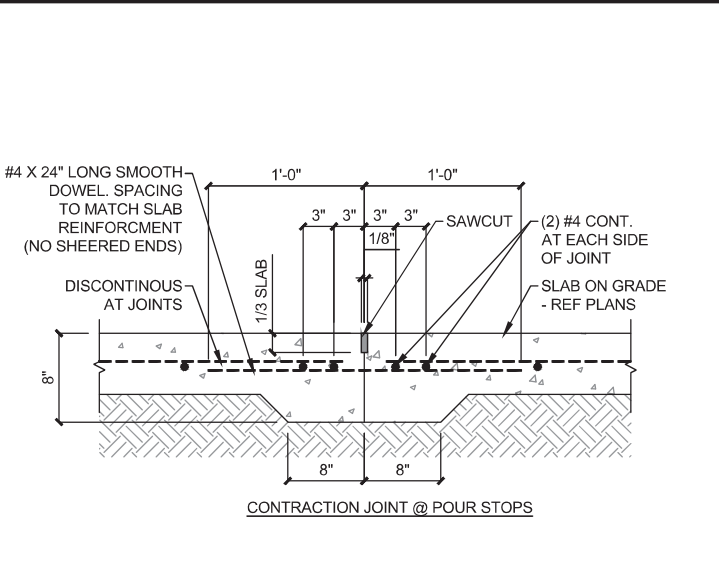
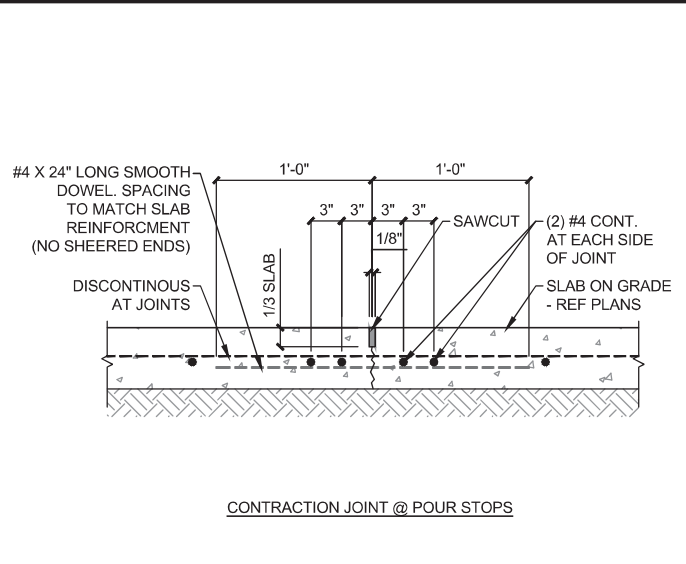
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CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571
 Sheet Title
BUILDING ELEVATIONS

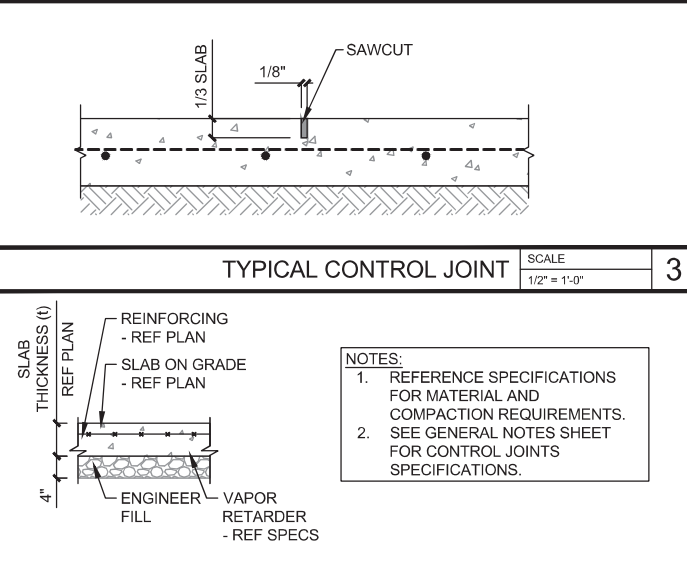
Project No.
 170-84.00
 Date
 AS NOTED
 Scale
 AS NOTED
 Sheet
S5.0



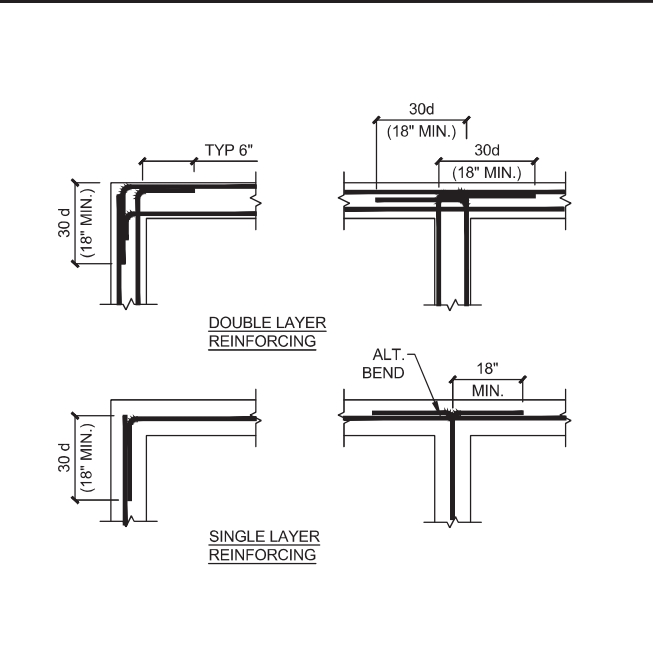
CORNER BASE PLATE SCALE 1/2" = 1'-0" 1



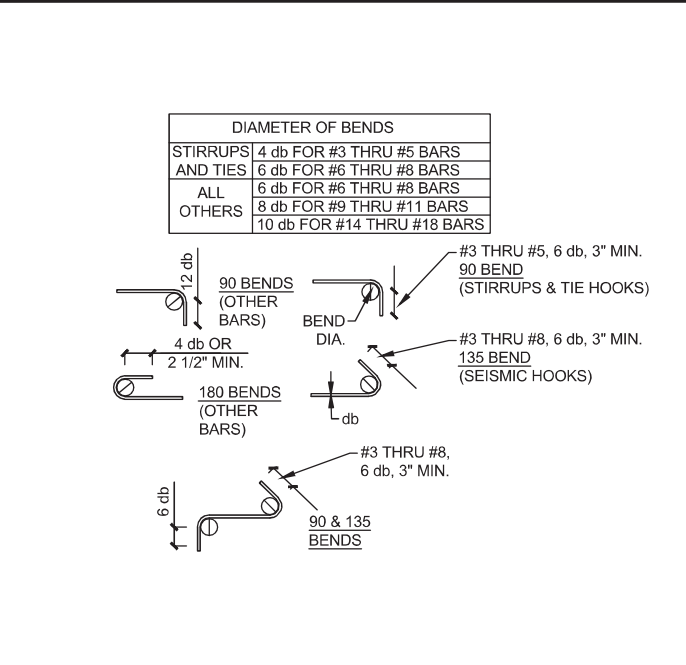
TYPICAL CONSTRUCTION/CONTRACTION JOINT SCALE 1/2" = 1'-0" 2



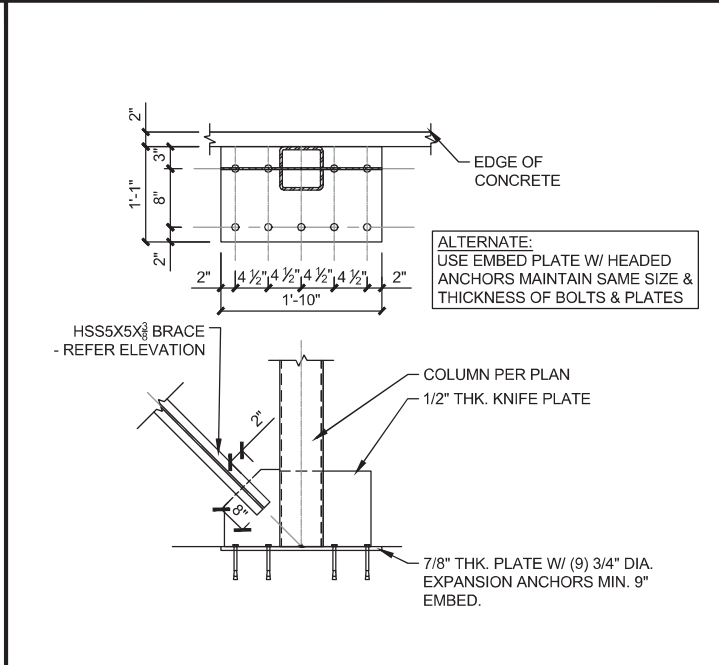
TYP. SLAB ON GRADE SCALE 1/2" = 1'-0" 4



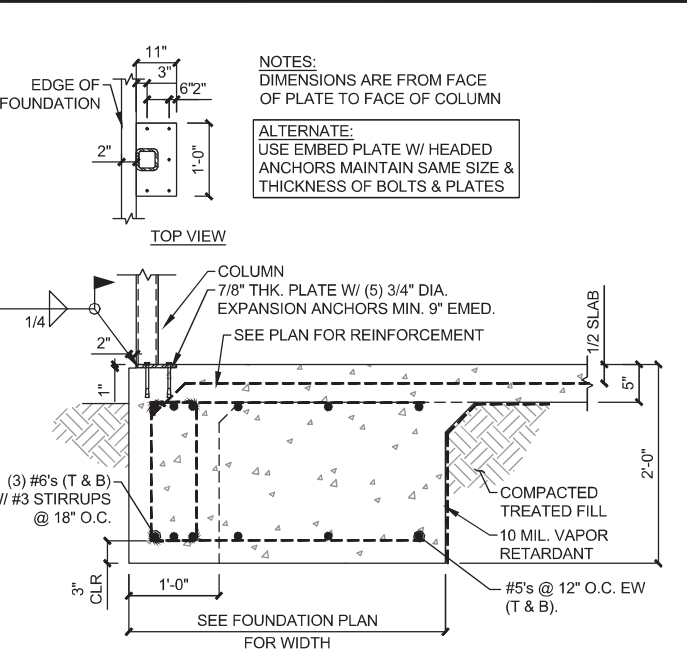
TYP. REINF. @ INT. CONC. GRADE BEAMS SCALE 1/2" = 1'-0" 5



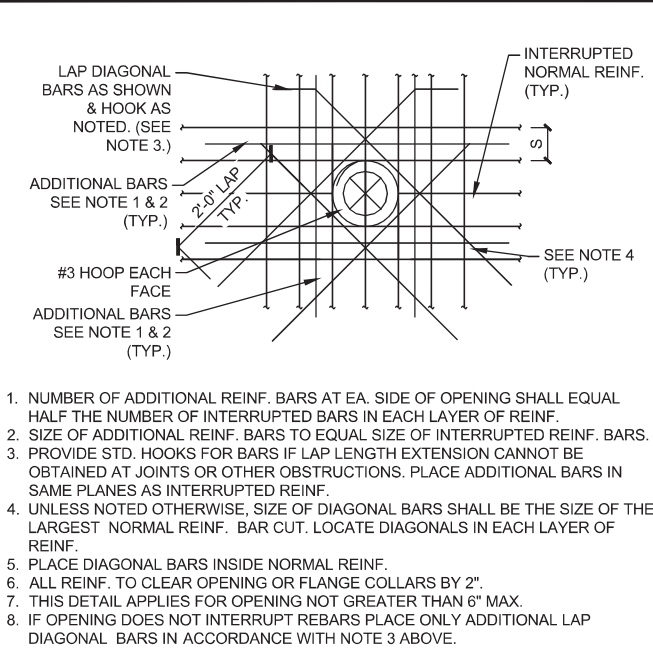
STANDARD BAR BENDING DETAILS SCALE 1/2" = 1'-0" 6



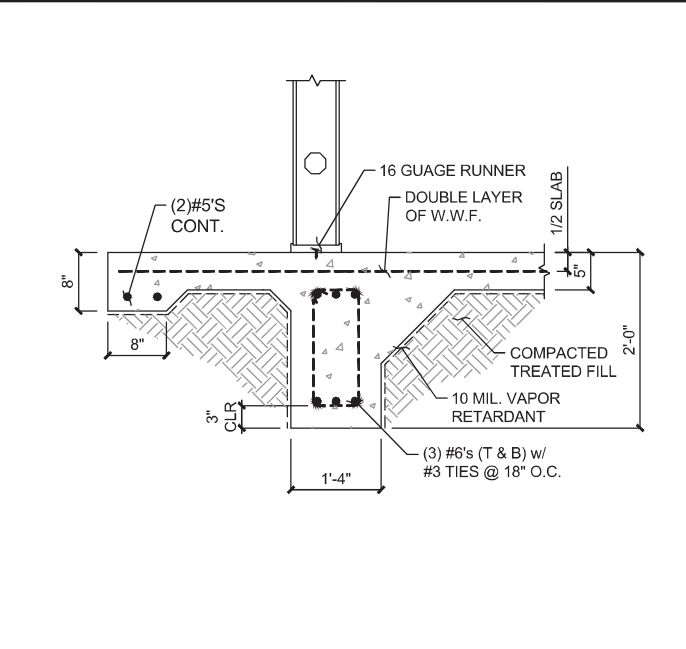
TYP. BASE PLATE DETAIL SCALE 1/2" = 1'-0" 7



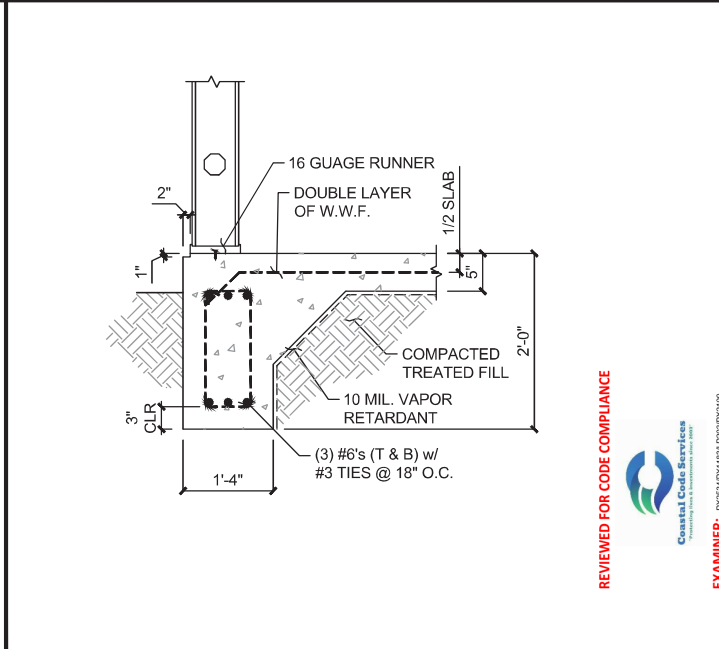
FOOTING AT COLUMN SCALE 1/2" = 1'-0" 8



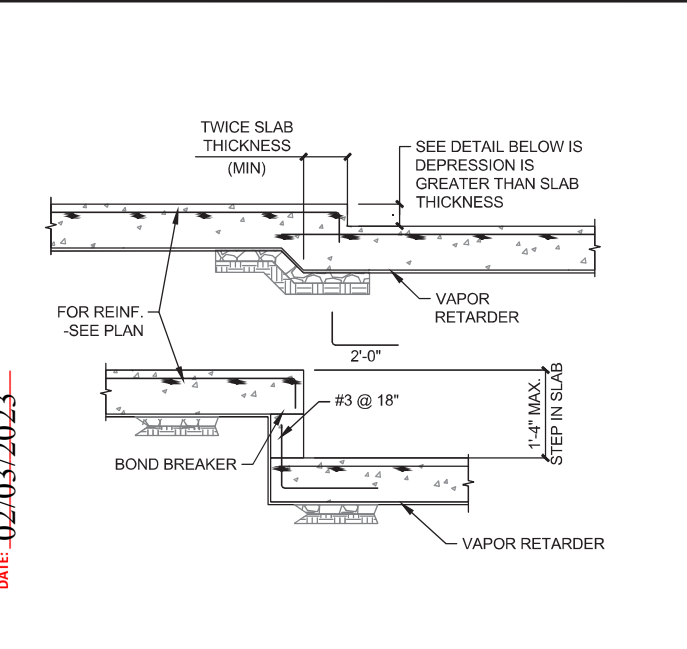
ADDIT. REBAR AT SLAB/ WALL OPENING SCALE 3/4" = 1'-0" 9



EXTRIOR GRADE BEAM @ BUMP OUT SCALE 1/2" = 1'-0" 10



EXTRIOR GRADE BEAM SCALE 1/2" = 1'-0" 11



DEPRESSION & STEP IN SLAB ON GRADE SCALE 3/4" = 1'-0" 12

1	1/1/2022	Date
2		
3		
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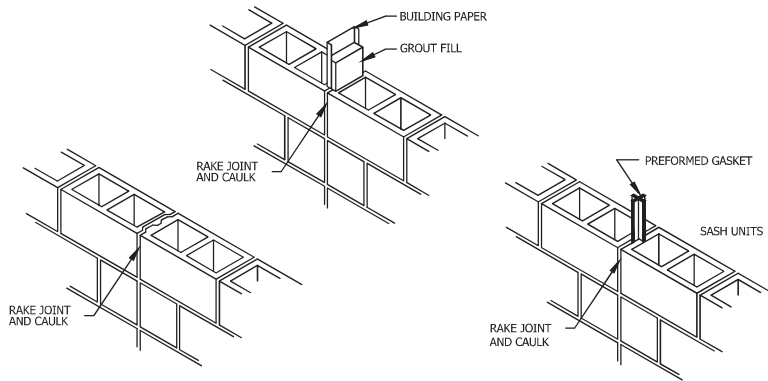
Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet Title
FOUNDATION DETAILS

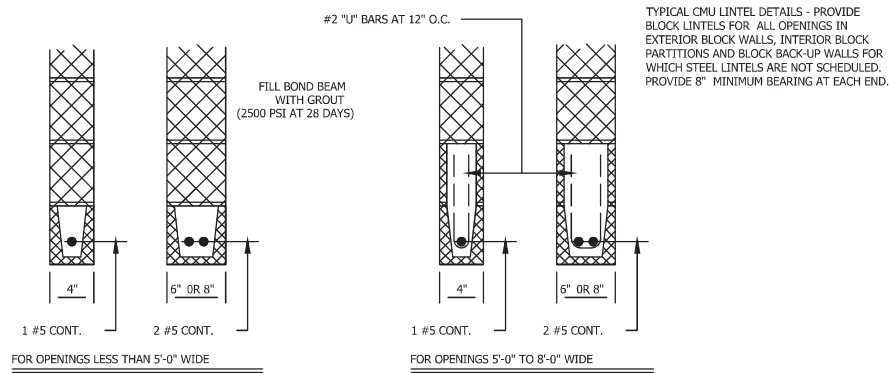
Sheet No. **SD1.0**

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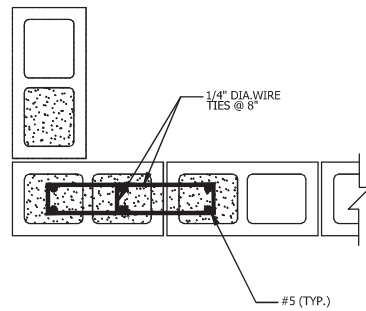
EXAMINER: J2020MAY181303PK109
FBC CODE: 2020 FBC
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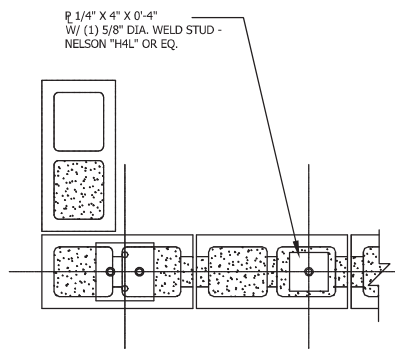
CMU CONTROL JOINT OPTIONS SCALE N.T.S. 6



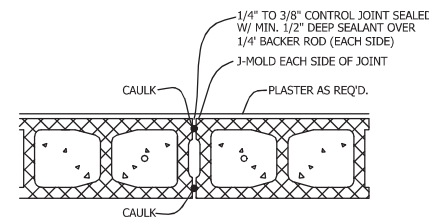
TYPICAL CMU LINTEL DETAILS SCALE N.T.S. 5



WALL PILASTER SCALE N.T.S. 4



SECTION AT WALL CORNER SCALE N.T.S. 3



NOTE: SEALANT REQUIRED ON BOTH FACES OF CMU WALL AT CONTROL JOINTS (TYP.)

DETAIL OF CONTROL JOINT FINISH SCALE N.T.S. 2

EXTERIOR ELEVATION FINISH SCHEDULE

- SW-1 CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS
- PT-1 CONCRETE BLOCK WALL - SHERWIN WILLIAM SW 6364
- PT-2 SHERWIN WILLIAM 6115 (TOTALLY TAN)
- MT-1 STANDING SEAM METAL ROOF - STANDARD SILVER

NOTE:
BOLLARD COLORS REFER TO DETAIL 5/SD1.3.

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EXAMINER: PXS234PXT1183JLPL030PXPZ09
FBC CODE: 2020 FBC
DATE: 02/03/2023

GENERAL NOTES:

1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK.
3. THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
4. THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
8. ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
9. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
10. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OWNER'S VENDORS ON SITE DURING CONSTRUCTION.
19. ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
20. ALL PLYWOOD REFERENCES TO BE FIRE-RETARDANT TREATED PLYWOOD.

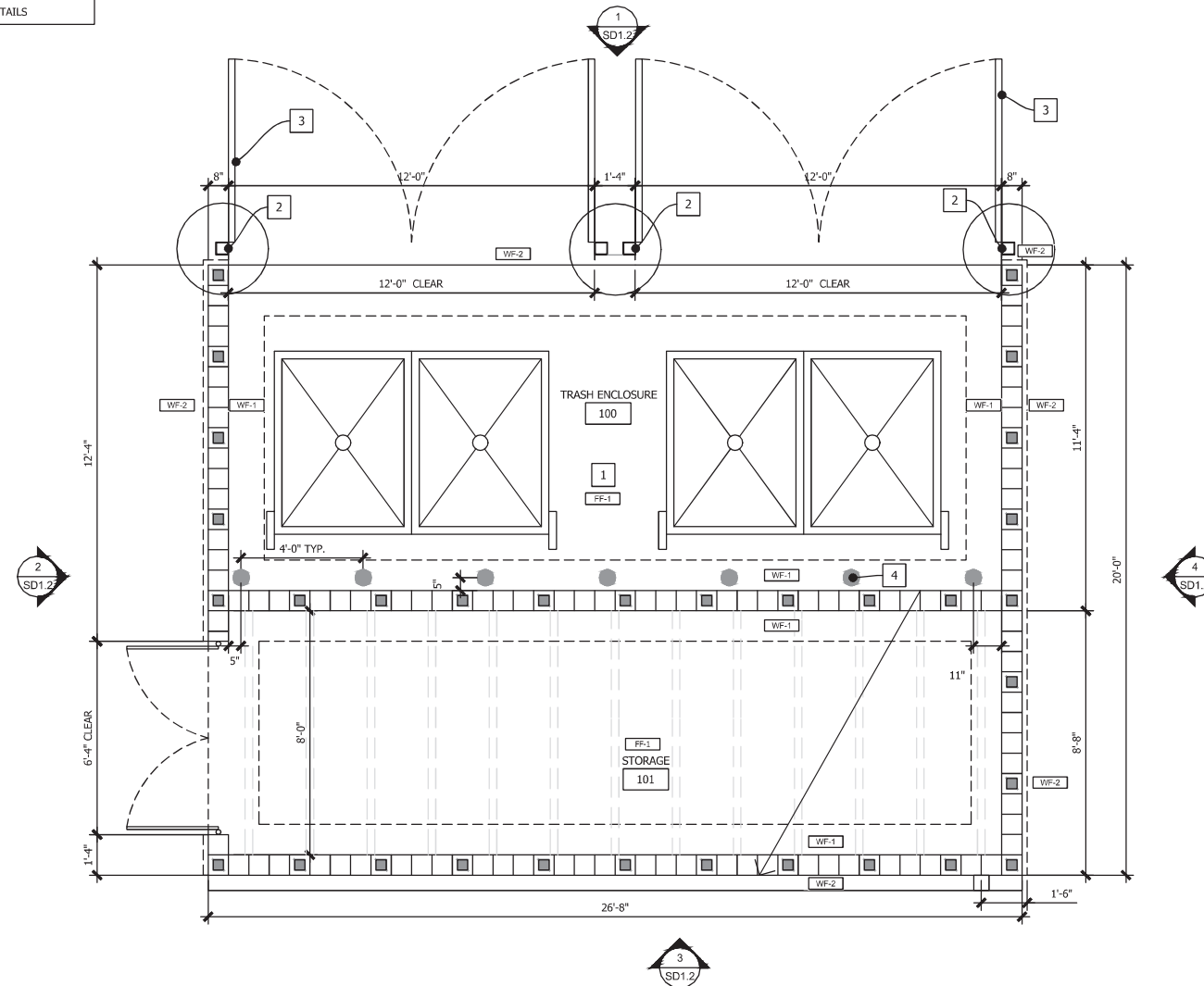
PLAN NOTES: X

- 1 FLOOR SLOPE = 1/2"
- 2 5"x5"x.25 THICK STEEL POST FILLED WITH CONCRETE AND STEEL WELDED CAP. SLOPE. PAINTED TO MATCH ADJACENT SURFACES
- 3 GATE REFER TO EXTERIOR ELEVATIONS AND DETAILS GATE AND HINGE BY JIMCO MANUFACTURING
- 4 BOLLARD TYPE "B", REFER TO DETAIL ON SHEET SD1.3

FINISH NOTES:

- FF-1 CONCRETE FLOOR
- WF-1 INTERIOR FINISH - CMU BLOCK WALL TO BE PAINTED
- WF-2 EXTERIOR FINISH - STONE (MATCH MAIN STORE)

NOTE:
REFER TO CIVIL DRAWINGS FOR SLAB DETAILS



TRASH ENCLOSURE FLOOR PLAN SCALE 3/8" = 1'-0" 1

1	11/14/2023	Date
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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

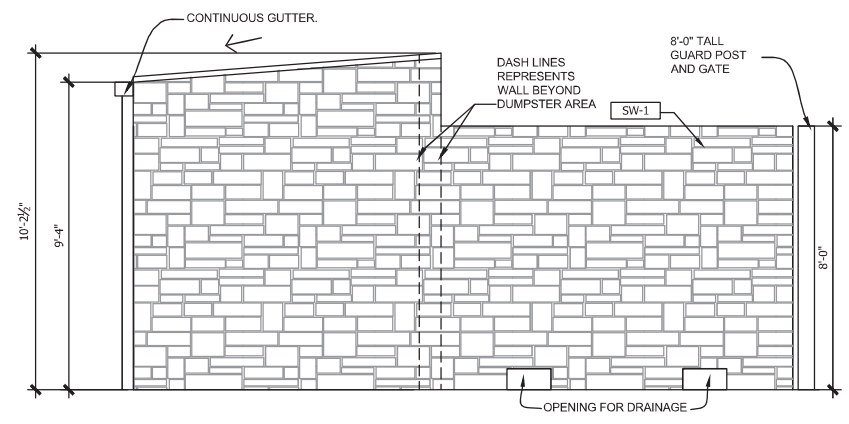
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TRASH ENCLOSURE FLOOR PLAN AND DETAILS

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
SD1.1

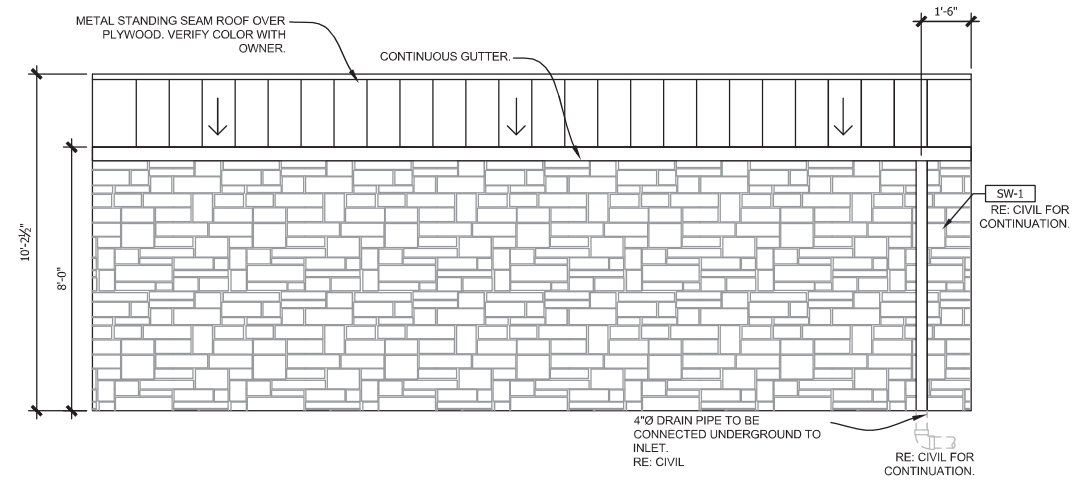


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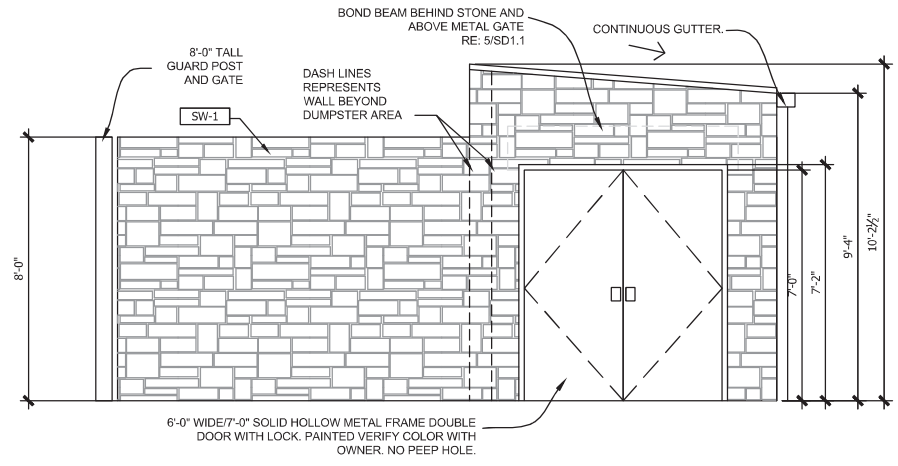


 Coastal Code Services
 Permitting and Enforcement Dept.
 EXAMINER: P25534PX1185U.P25534PX1185U
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

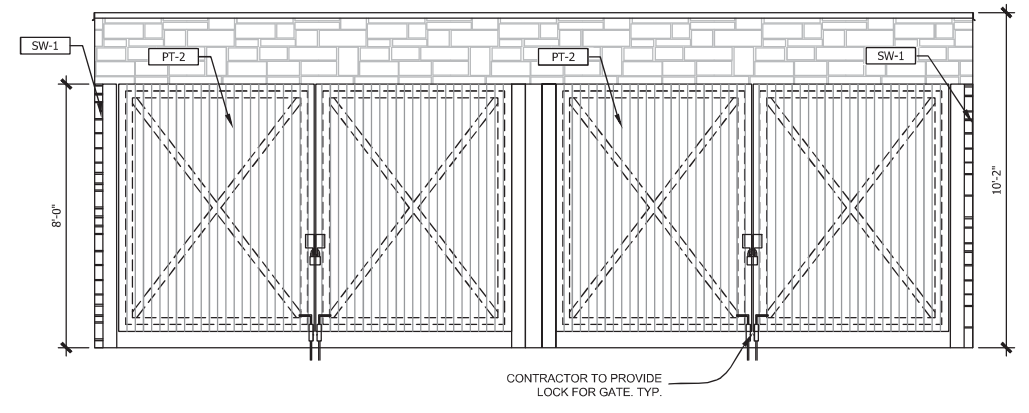
TRASH ENCLOSURE SIDE ELEVATION SCALE 3/8" = 1'-0" 4



TRASH ENCLOSURE REAR ELEVATION SCALE 3/8" = 1'-0" 3



TRASH ENCLOSURE SIDE ELEVATION SCALE 3/8" = 1'-0" 2



TRASH ENCLOSURE FRONT ELEVATION SCALE 3/8" = 1'-0" 1

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 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

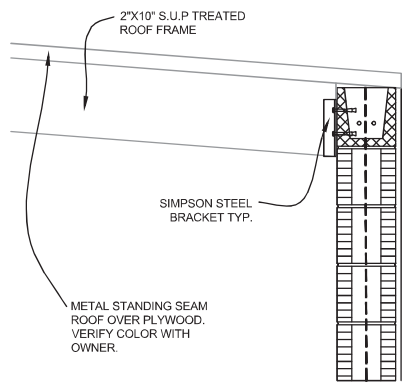
Sheet Title
TRASH ENCLOSURE EXTERIOR ELEVATIONS

Project No.
170-84.00

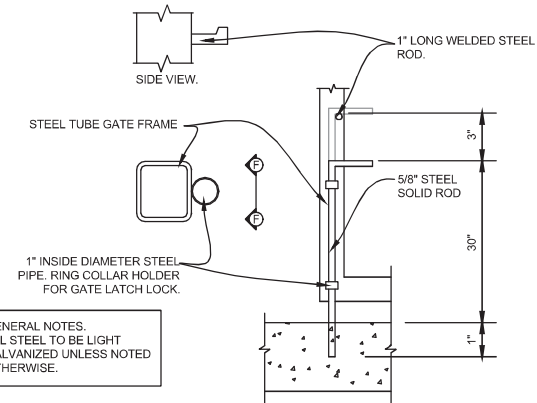
Date
AS NOTED

Scale
AS NOTED

Sheet
SD1.2

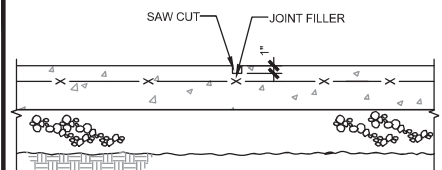


ROOF FRAMING TO CMU WALL SCALE N.T.S. 11

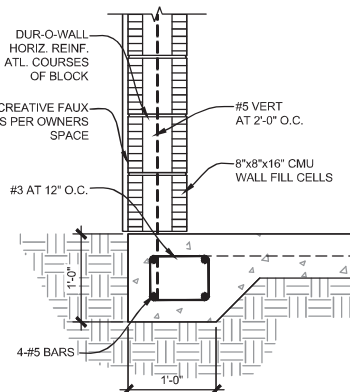


GENERAL NOTES.
ALL STEEL TO BE LIGHT GALVANIZED UNLESS NOTED OTHERWISE.

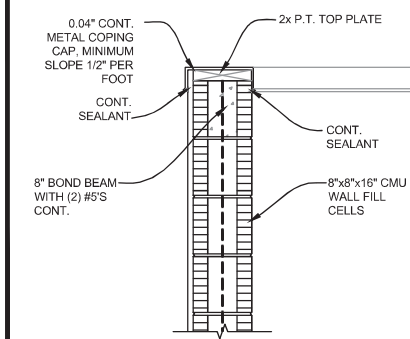
LATCH LOCK DETAIL SCALE N.T.S. 10



CONTROL JOINT DETAIL SCALE N.T.S. 6

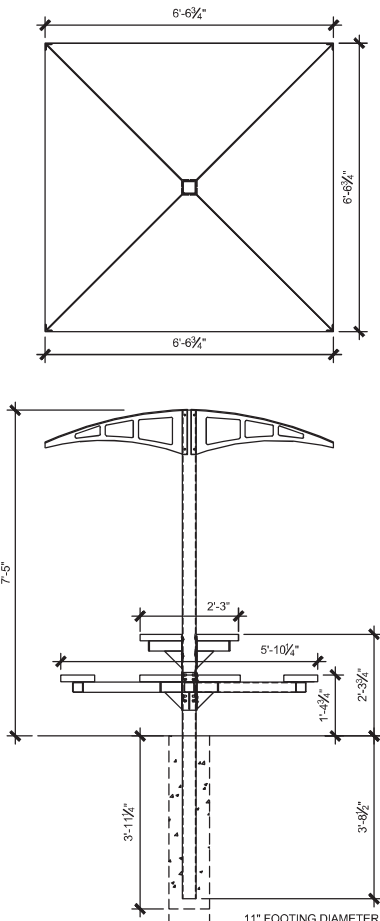
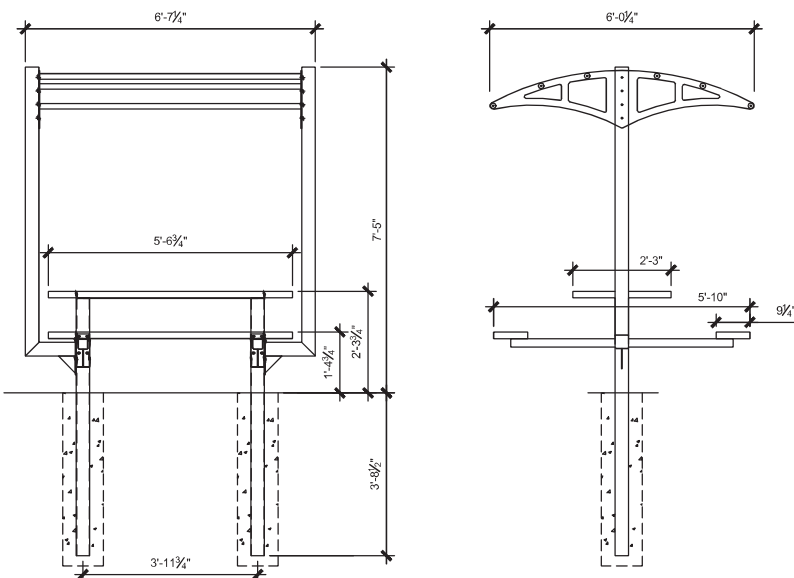


DETAIL SCALE 1" = 1'-0" 4

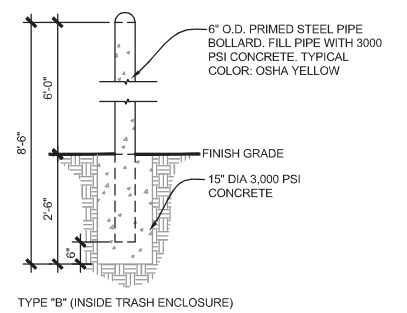


DETAIL SCALE 1" = 1'-0" 3

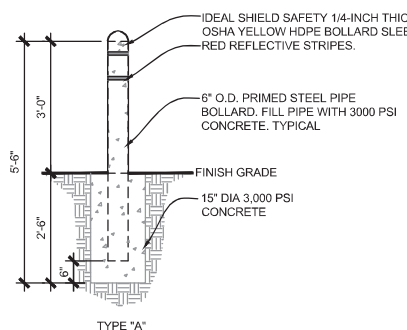
REVIEWED FOR CODE COMPLIANCE
EXAMINER: PYB3BMX1E5M1P203FC109
FBC CODE: 2020.FBC
DATE: 02/03/2023



SHADED TABLES SCALE N.T.S. 9



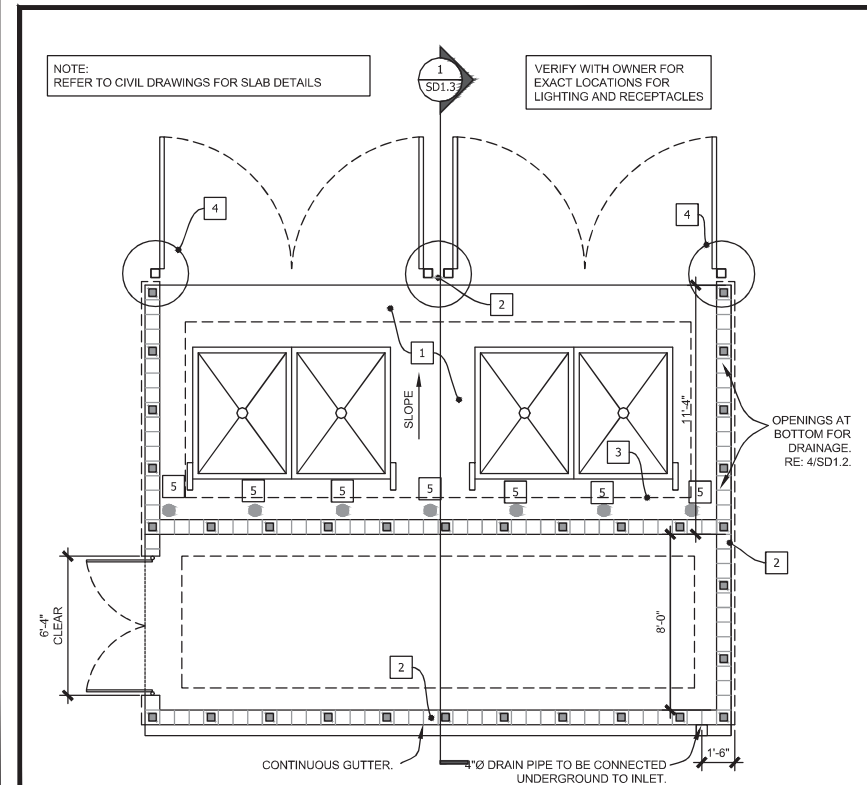
TYPE "B" (INSIDE TRASH ENCLOSURE)



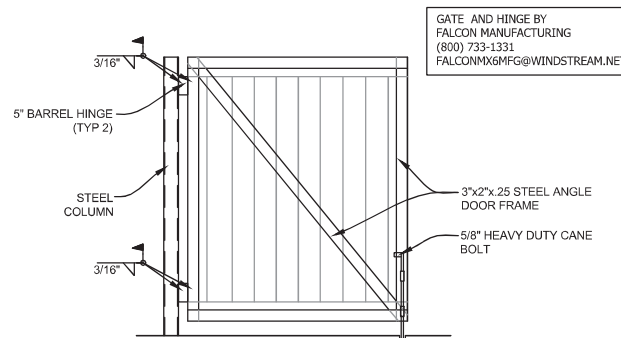
TYPE "A"

- NOTES:
1. MANUFACTURER: IDEAL SHIELD
 2. PRODUCT NAME: 1/4" BOLLARD COVER
 3. COLOR NAME: OSHA YELLOW WITH RED REFLECTIVE STRIPES MATERIAL 1/4" THICK POLYETHYLENE THERMOPLASTIC (HDPE)
 4. TRIM: DOME TOP PLASTIC CAP
 5. INSTALLATION: INSTALL WITH MANUFACTURERS NEOPRENE ADHESIVE TAPE PER MANUFACTURERS INSTALLATION GUIDELINES.
- *REFER TO MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION

BOLLARD DETAIL SCALE 1/2" = 1'-0" 5

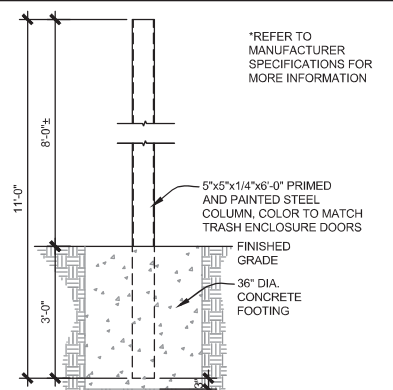


FOUNDATION PLAN SCALE 1/4" = 1'-0" 2



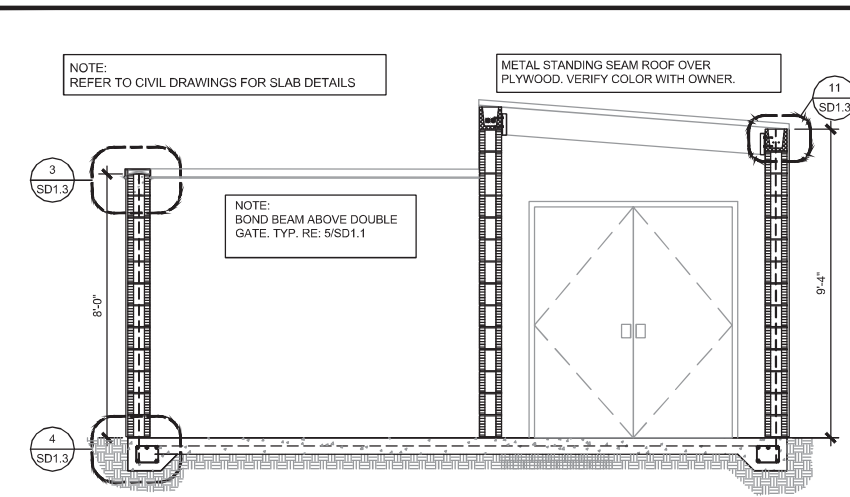
GATE AND HINGE BY FALCON MANUFACTURING (800) 733-1331 FALCONMX6MFG@WINDSTREAM.NET

COLUMN DETAIL SCALE 1/2" = 1'-0" 8



*REFER TO MANUFACTURER SPECIFICATIONS FOR MORE INFORMATION

COLUMN DETAIL SCALE 1/2" = 1'-0" 7



- TRASH ENCLOSURE FOUNDATION NOTES:
1. 6" SLAB ON GRADE WITH W/6"x6" W2.9xW2.9 W.W.F
 2. MASONRY FAUX STONE VENEER TO MATCH MAIN BUILDING ON 8" CONCRETE FILLED BLOCK WALL.
 3. TYPICAL WALL FOOTING 12"x12" CONT. WITH 2#5 BOTTOM REINF.
 4. REFER TO DETAIL 5 FOR STEEL COLUMN AND FOOTER DETAIL
 5. BOLLARD TYPE "B", REFER TO DETAIL THIS SHEET

BUILDING SECTION SCALE 3/8" = 1'-0" 1

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/11/2023

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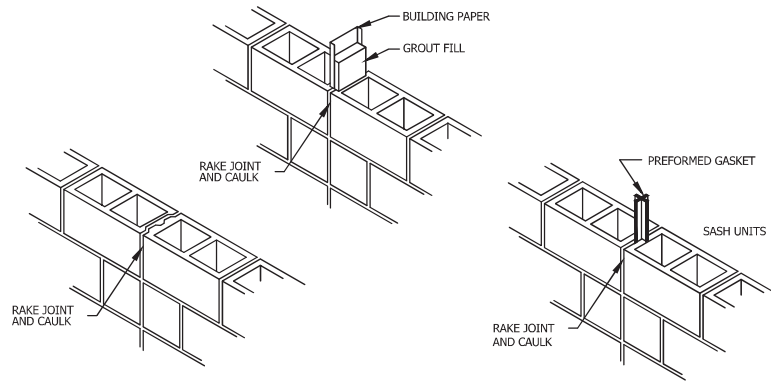
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

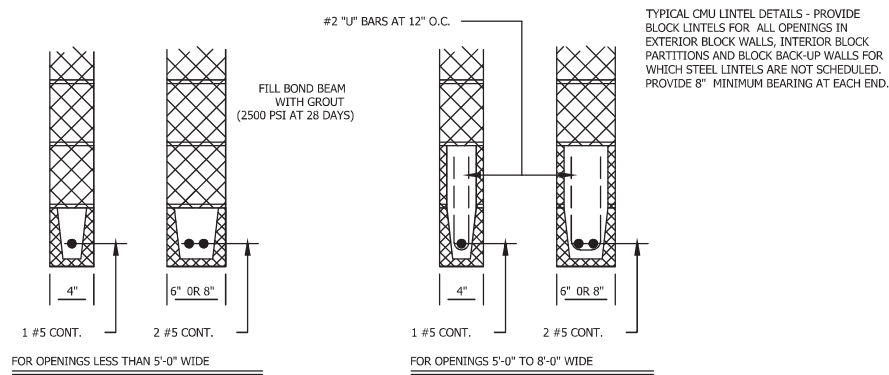
Sheet Title
TRASH ENCLOSURE SECTION AND DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

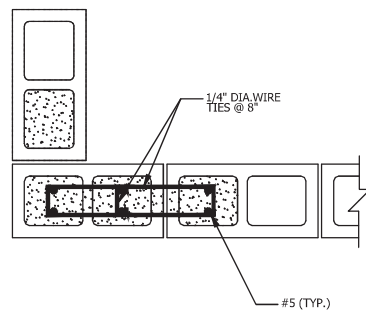
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SD1.3



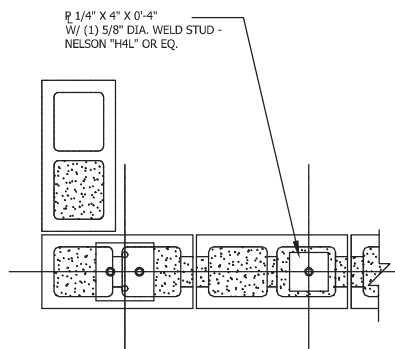
CMU CONTROL JOINT OPTIONS SCALE N.T.S. 6



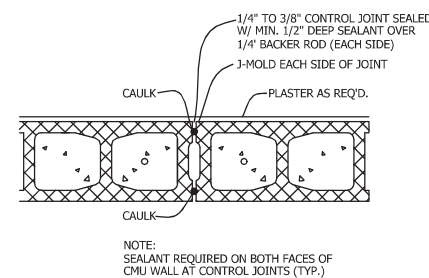
TYPICAL CMU LINTEL DETAILS SCALE N.T.S. 5



WALL PILASTER SCALE N.T.S. 4



SECTION AT WALL CORNER SCALE N.T.S. 3



DETAIL OF CONTROL JOINT FINISH SCALE N.T.S. 2

FINISH SCHEDULE

- FF-1 CONCRETE FLOOR
- WF-1 INTERIOR FINISH - CMU BLOCK WALL TO BE PAINTED SHERWIN WILLIAM 6364: EGGWHITE
- WF-2 CREATIVE FAUX STONE AS PER OWNER'S SPECIFICATIONS
- PT-1 SHERWIN WILLIAM 6115 (TOTALLY TAN)

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PZESAMPX183LP203P2108
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

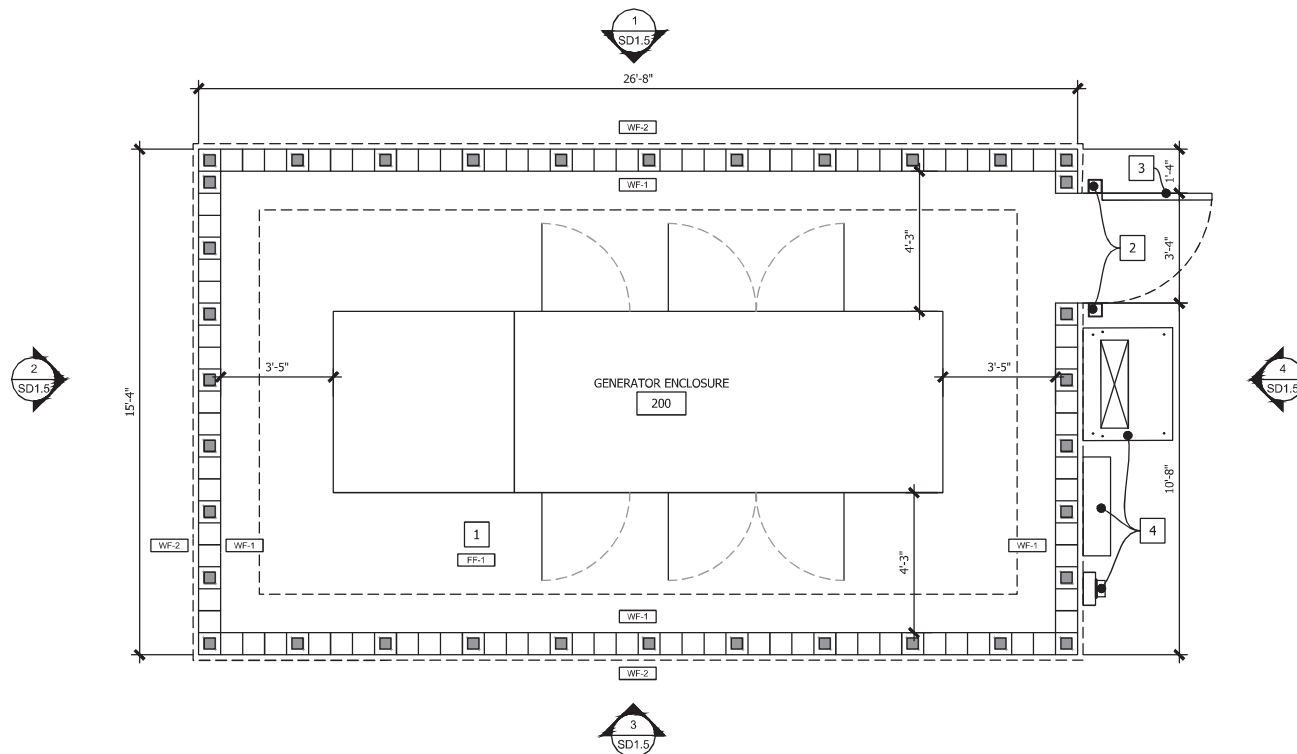
GENERAL NOTES:

1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK.
3. THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
4. THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC.. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
8. ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
9. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
10. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE OWNER'S VENDORS ON SITE DURING CONSTRUCTION.
19. ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
20. ALL PLYWOOD REFERENCES TO BE FIRE-RETARDANT TREATED PLYWOOD.

PLAN NOTES: X

- 1 FLOOR SLOPE = 1/2"
- 2 5"x5"x.25 THICK STEEL POST FILLED WITH CONCRETE AND STEEL WELDED CAP. SLOPE. PAINTED TO MATCH ADJACENT SURFACES
- 3 GATE REFER TO EXTERIOR ELEVATIONS AND DETAILS GATE AND HINGE BY JIMCO MANUFACTURING
- 4 ELECTRICAL AUTOMATIC TRANSFER SWITCH, CURRENT TRANSFORMER CABINET, AND METER BOX.

NOTE:
REFER TO CIVIL DRAWINGS FOR SLAB DETAILS



GENERATOR ENCLOSURE FLOOR PLAN SCALE 3/8" = 1'-0" 1

1	11/14/2022	Date
1	ISSUE FOR PERMIT	Revision/Issue

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

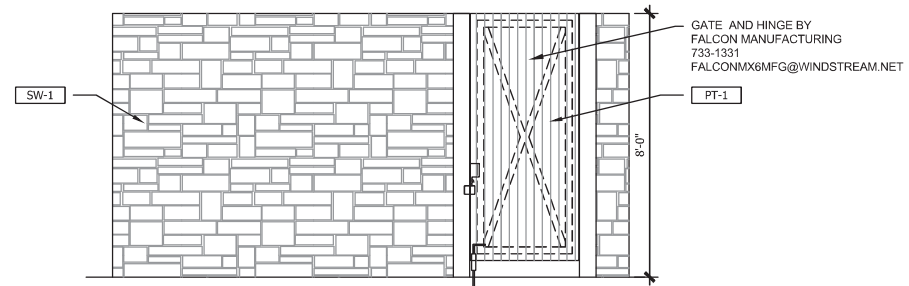
Sheet Title
GENERATOR ENCLOSURE FLOOR PLAN AND DETAILS

Project No.
170-84.00

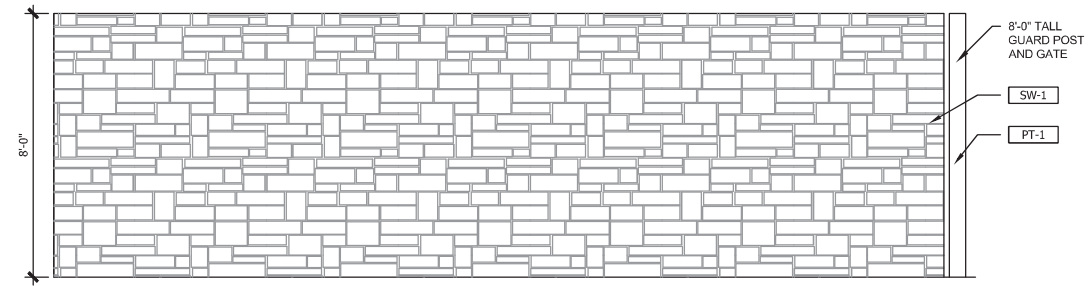
Date
AS NOTED

Scale
AS NOTED

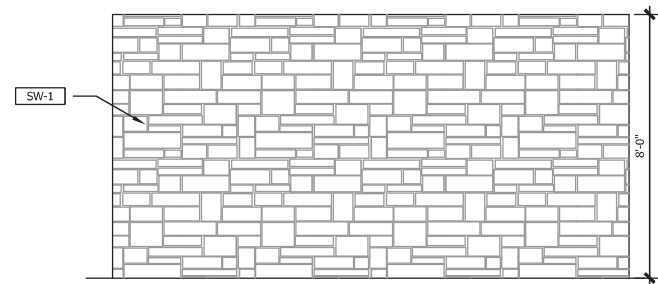
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SD1.4



GENERATOR ENCLOSURE SIDE ELEVATION SCALE 3/8" = 1'-0" 4



GENERATOR ENCLOSURE REAR ELEVATION SCALE 3/8" = 1'-0" 3

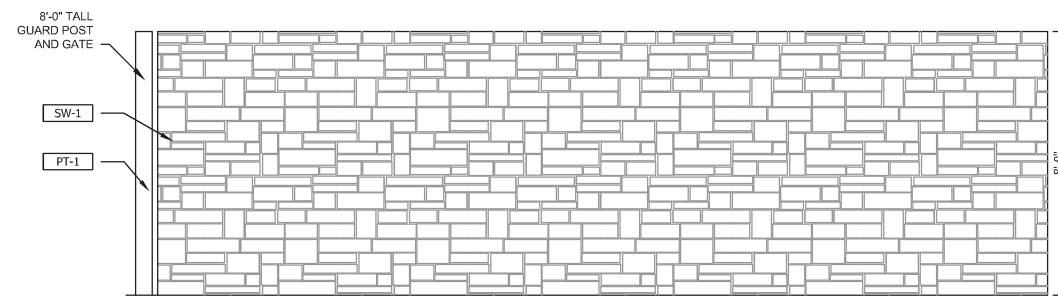


GENERATOR ENCLOSURE SIDE ELEVATION SCALE 3/8" = 1'-0" 2

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2534PK1183LLP030PK2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



GENERATOR ENCLOSURE FRONT ELEVATION SCALE 3/8" = 1'-0" 1

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/11/2022



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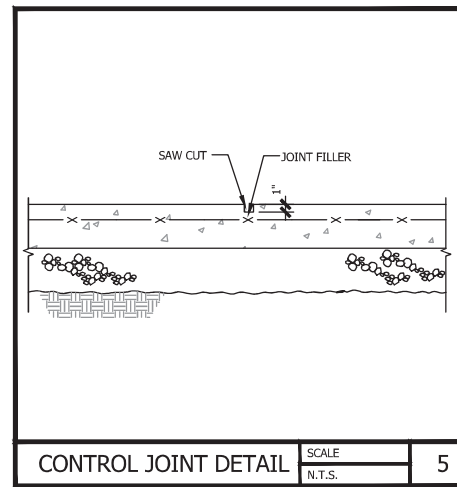
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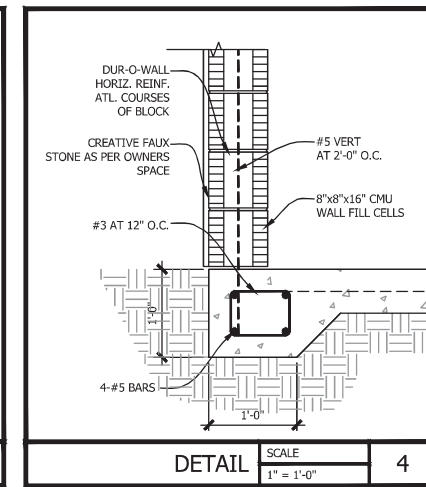
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
GENERATOR ENCLOSURE EXTERIOR ELEVATIONS

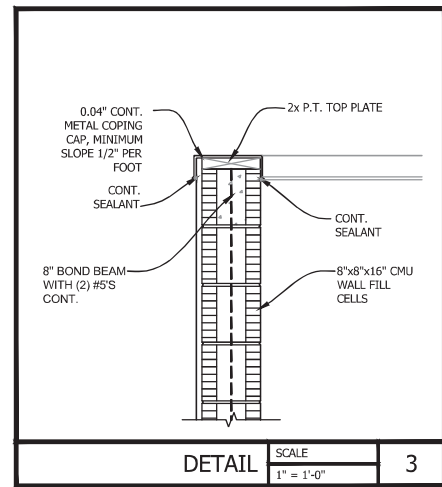
Project No. 170-84.00	Sheet
Date AS NOTED	SD1.5
Scale AS NOTED	



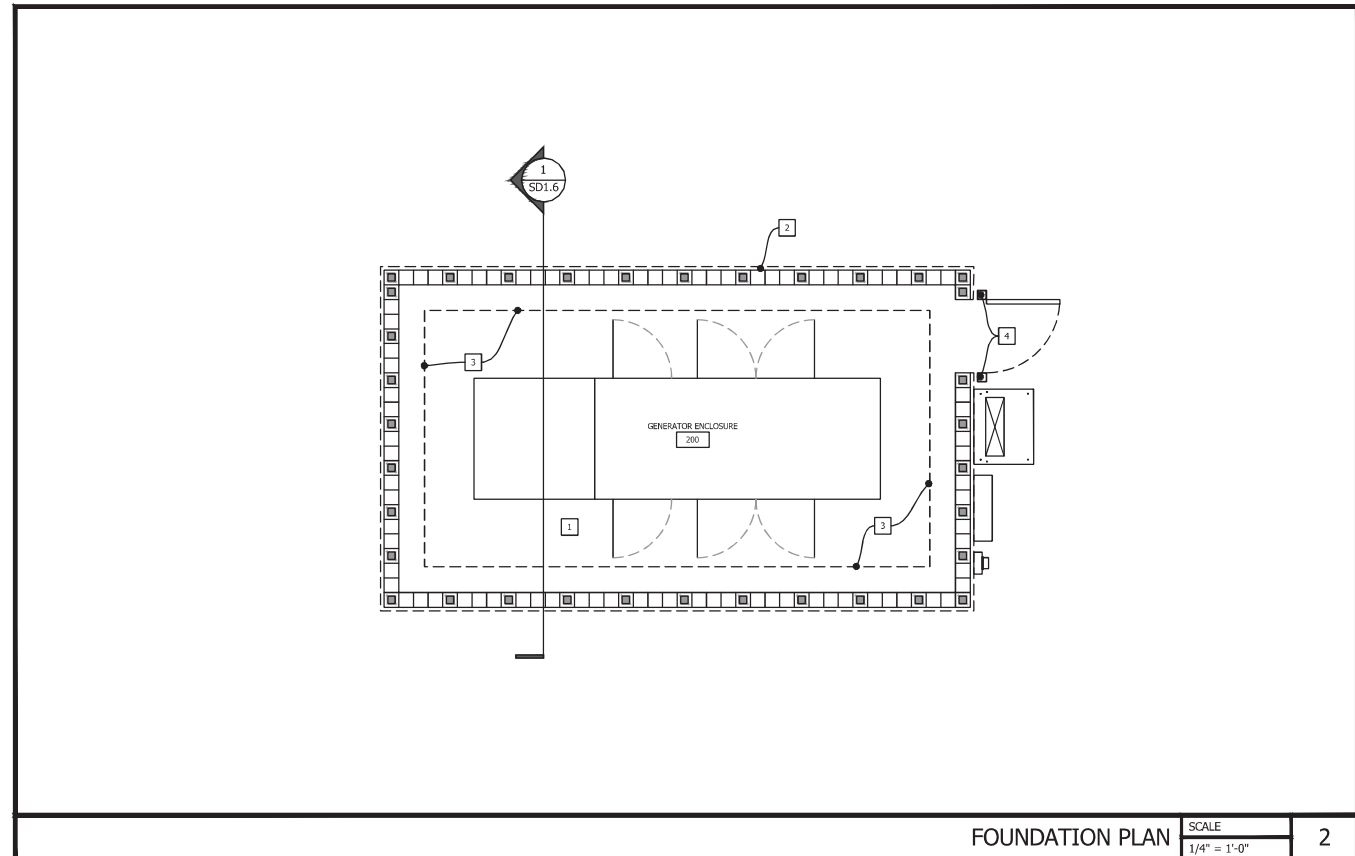
CONTROL JOINT DETAIL SCALE N.T.S. 5



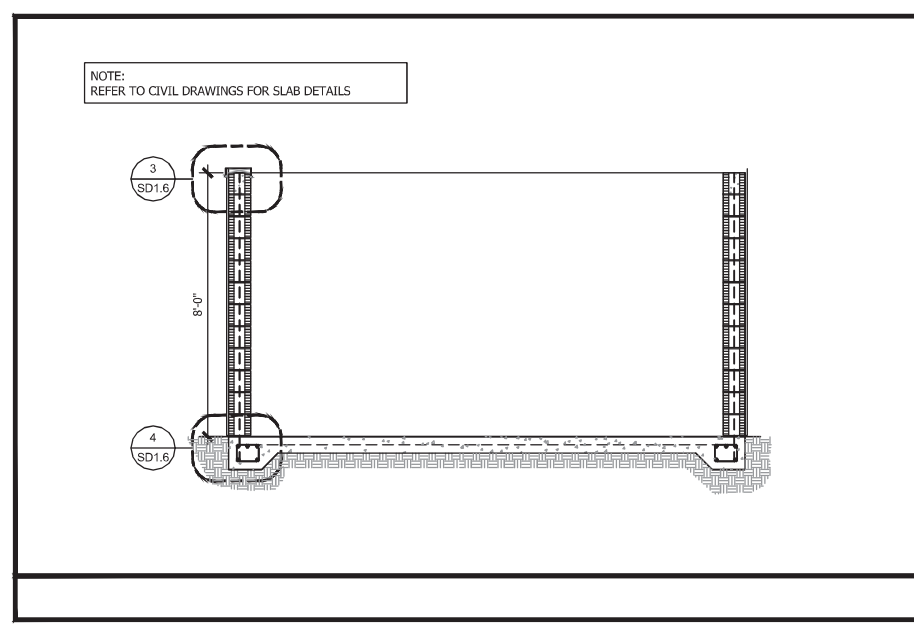
DETAIL SCALE 1" = 1'-0" 4



DETAIL SCALE 1" = 1'-0" 3



FOUNDATION PLAN SCALE 1/4" = 1'-0" 2



BUILDING SECTION SCALE 3/8" = 1'-0" 1

- GENERATOR ENCLOSURE FOUNDATION NOTES:**
- 1 6" SLAB ON GRADE WITH W/6"x6" W2.9xW2.9 W.W.F
 - 2 MASONRY FAUX STONE VENEER TO MATCH MAIN BUILDING ON 8" CONCRETE FILLED BLOCK WALL.
 - 3 TYPICAL WALL FOOTING 12"x12" CONT. SEE DETAIL 4/SD1.6
 - 4 REFER TO DETAIL 5 FOR STEEL COLUMN AND FOOTER DETAIL
 - 5 BOLLARD TYPE "B", REFER TO DETAIL THIS SHEET

REVIEWED FOR CODE COMPLIANCE


EXAMINER: PX2554/PEX1183/LP203/PX2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/15/2023

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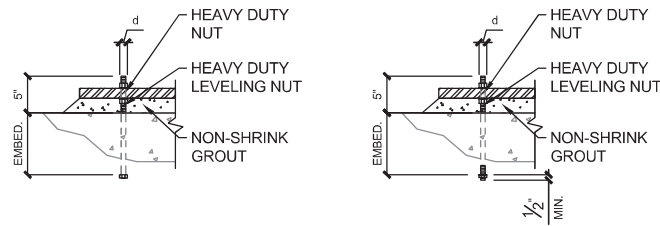
Date _____
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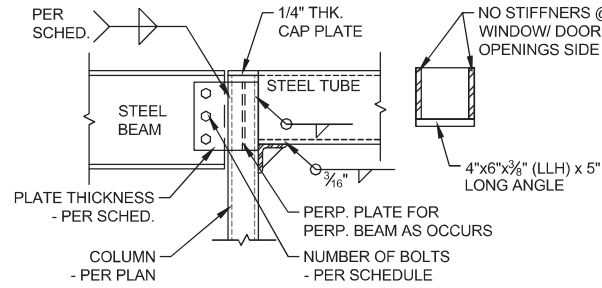
Sheet Title
GENERATOR ENCLOSURE SECTION AND DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet
SD1.6

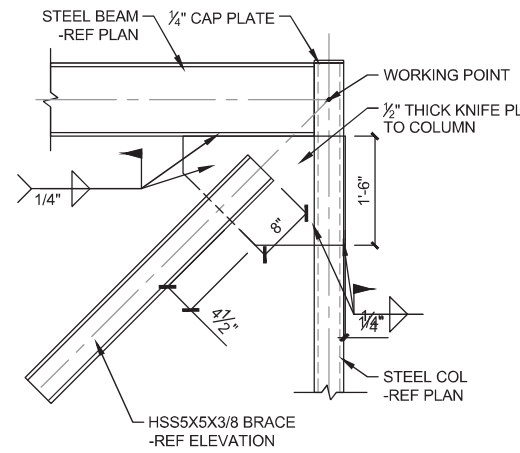


- NOTES:
- REFERENCE BASE PLATE DETAILS FOR DIAMETER AND EMBEDMENT.
 - REFERENCE GENERAL NOTES FOR MATERIAL REQUIREMENTS.
 - ANCHOR RODS SHALL BE SET PRIOR TO PLACEMENT OF CONCRETE.
 - PROTECT ANCHOR RODS FROM DAMAGE.
 - ANCHOR SHALL BE SET SO AS NOT TO VARY FROM THE DIMENSIONS SHOWN ON THE ERECTION DRAWINGS BY MORE THAN THE FOLLOWING:
 - 1/8" CENTER TO CENTER OF ANY TWO RODS WITHIN AN ANCHOR ROD GROUP.
 - 1/4" CENTER TO CENTER OF ADJACENT ANCHOR RODS GROUPS.
 - ELEVATION OF THE TOPOF ANCHOR RODS ± 1/2"
 - MAXIMUM ACCUMULATION OF 1/4" PER HUNDRED FEET ALONG THE ESTABLISHED COLUMN LINE.
 - 1/4" FROM THE CENTER OF ANY ANCHOR ROD GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP.
 - REFERENCE AISC CODE FOR STANDARD PRACTICE FOR ADDITIONAL INFORMATION.
 - SET ANCHOR RODS PERPENDICULAR TO BEARING SURFACE UNLESS NOTED OTHERWISE.
 - PROVIDE MINIMUM 1" NON-SHRINK GROUT AT ALL BASE PLATES.

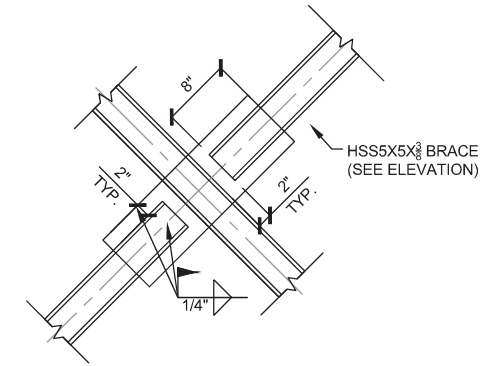


REVIEWED FOR CODE COMPLIANCE

EXAMINER: Coastal Code Services
 EXAMINER: PX2524PX1183L/2023/02109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



- NOTES:
- SEE PLAN AND SCHEDULE FOR MEMBER SIZES.
 - SLOT TUBE AROUND GUSSET PLATE.



TYP. ANCHOR ROD DETAIL

SCALE: NOT TO SCALE

TYP. BEAM TO COLUMN CONNECTION

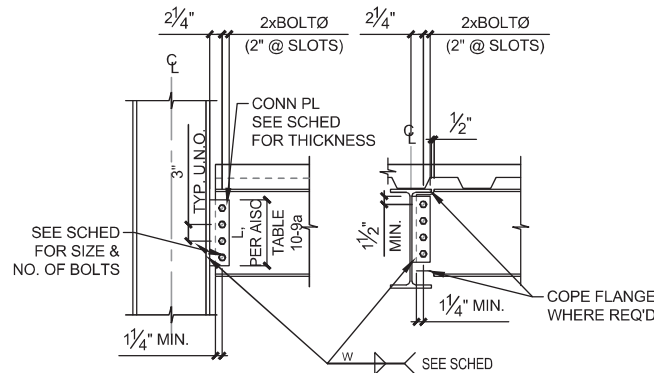
SCALE: NOT TO SCALE

ROOF CONNECTION X-BRACED FRAME

SCALE: NOT TO SCALE

X-BRACING INTERSECTION

SCALE: NOT TO SCALE



BEAM TO COLUMN

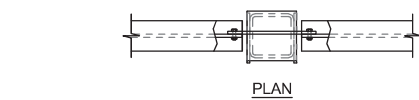
BEAM TO BEAM

STANDARD BOLTED CONNECTION SCHEDULE "A"			
BEAM SIZE	NUMBER & SIZE OF BOLTS REQ'D	PLATE THICKNESS	WELD SIZE (W)
W6, C6, C7	(2) 3/4"Ø @ 2" GA	1/4"	3/16"
W8, C8, C9	(2) 3/4"Ø	1/4"	3/16"
W10, C10	(2) 3/4"Ø	3/8"	1/4"
W12, C12	(3) 3/4"Ø	3/8"	1/4"
W14, C15	(3) 3/4"Ø	3/8"	1/4"
W16	(4) 3/4"Ø	3/8"	1/4"
W18	(4) 3/4"Ø	3/8"	1/4"
W21	(5) 3/4"Ø	3/8"	1/4"
W24	(6) 3/4"Ø	3/8"	1/4"

- NOTES:
- SHORT SLOTTED HOLES MAY BE USED AT ALL COLUMN CONNECTIONS AS AN OPTION. FOR 10, 11 & 12 BOLT GROUPS, USE SHORT SLOTTED HOLES AT CONNECTIONS TO COLUMNS.
 - FOR BEAM TO COLUMN WEB CONNECTION AT W14 & SMALLER COLUMNS, SEE EXTENDED PLATE DETAIL.

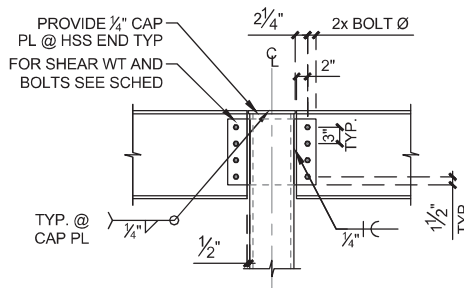
STANDARD BOLTED BEAM CONNECTION

SCALE: NOT TO SCALE



PLAN

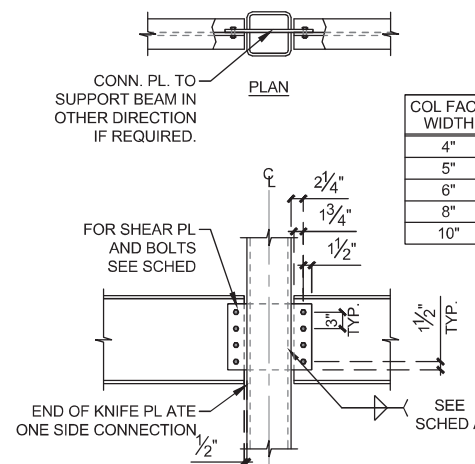
COL FACE WIDTH	WT
4"	5x15
5"	5x15
6"	5x19.5
8"	5x24.5
10"	5x30



TYP. @ CAP PL

BEAM TO HSS COLUMN (TOP)

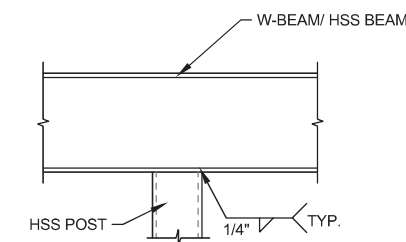
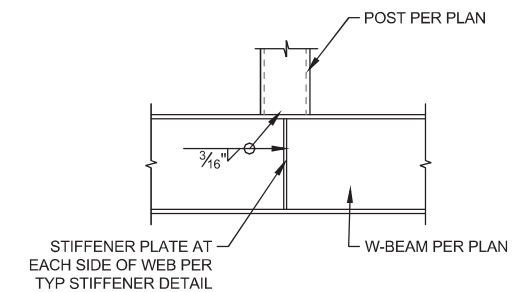
SCALE: NOT TO SCALE



COL FACE WIDTH	WT
4"	5x15
5"	5x15
6"	5x19.5
8"	5x24.5
10"	5x30

BEAM TO HSS COLUMN SECTION

SCALE: NOT TO SCALE



TYP. POST ON BEAM

SCALE: NOT TO SCALE

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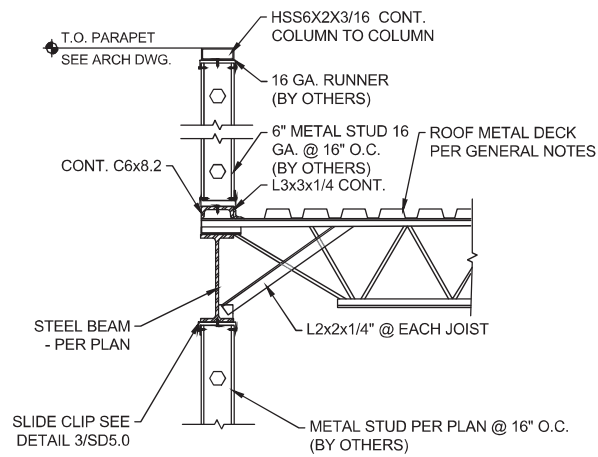
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Project Name and Address: **CEFCO #426 - PACE**
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title: **STEEL FRAMING DETAILS**

Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

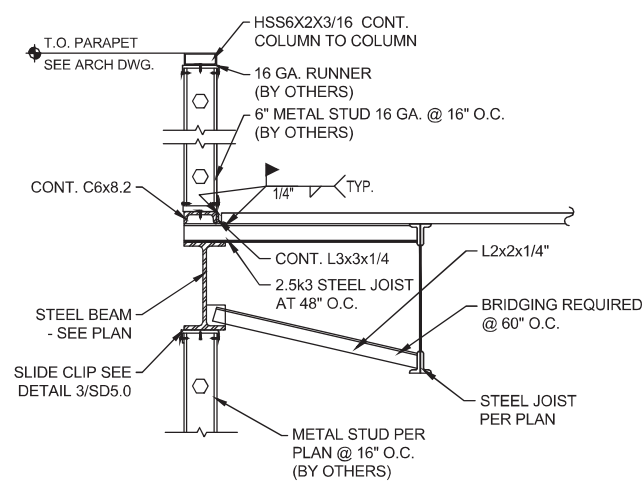
Sheet No. **SD2.0**



STEEL JOIST TO STEEL BEAM

SCALE
NOT TO SCALE

1

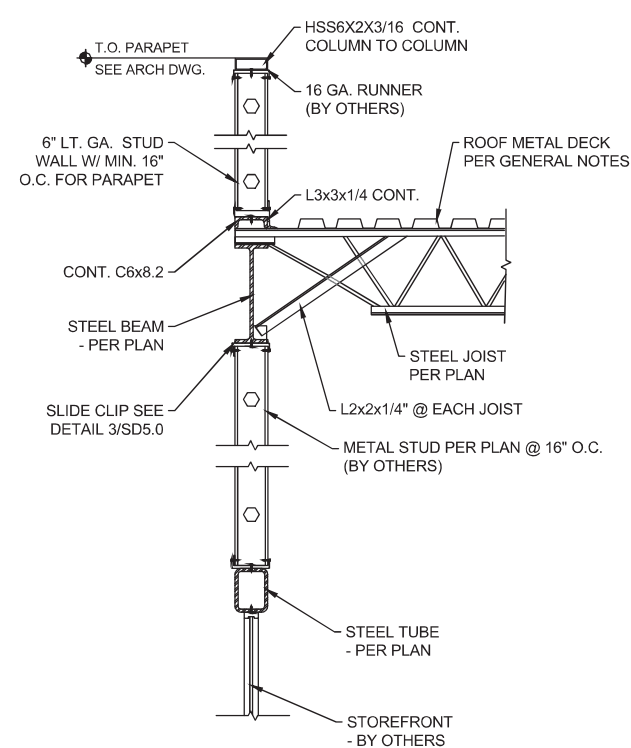


NOTE: ALTERNATE DESIGN:
USE WOOD ROOF TRUSSES IN LIEU OF STEEL JOISTS @ 2'-0" O.C. AND CONNECTIONS/HANGERS SHALL BE REVISITED UPON ROOF TRUSS SHOP DRAWINGS RECEIVAL.
USE (2)2X6 ON TOP OF STEEL BEAM AND CONNECT WITH 1/2" DIA. ANCHOR BOLTS AT EA. SIDE OF THE WEB AND @16" O.C.
DO NOT USE CONT. C6 IN CASE OF WOOD JOISTS/TRUSSES USED.

STEEL JOIST TO STEEL BEAM

SCALE
NOT TO SCALE

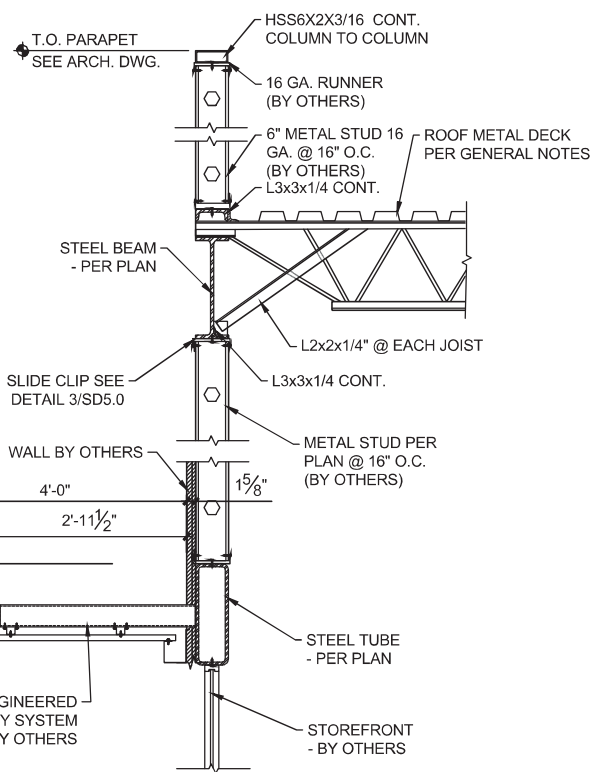
2



STEEL JOIST TO STEEL BEAM

SCALE
NOT TO SCALE

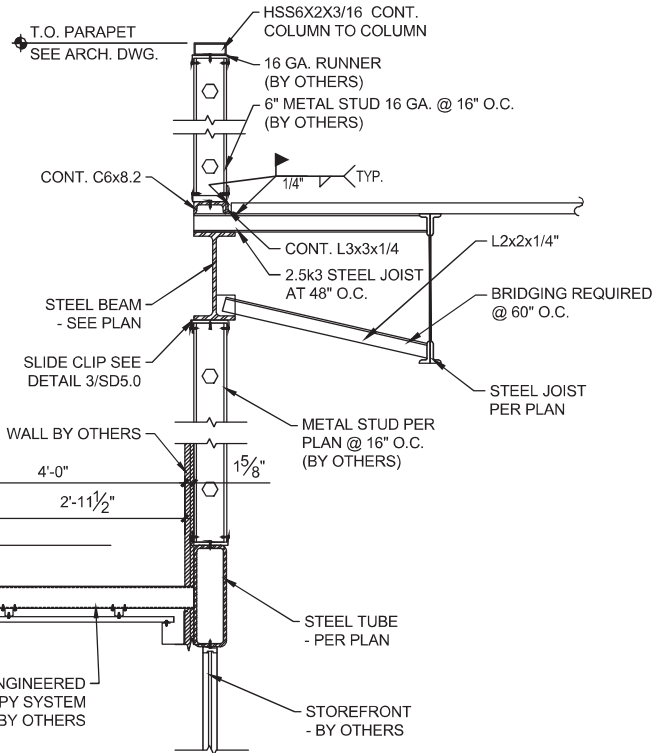
3



STEEL JOIST TO STEEL TUBE

SCALE
NOT TO SCALE

4



STEEL JOIST TO STEEL TUBE

SCALE
NOT TO SCALE

5

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX254PDX1181LP033PV2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
STEEL FRAMING DETAILS

Project No.
170-84.00

Sheet
SD3.0

Date
AS NOTED

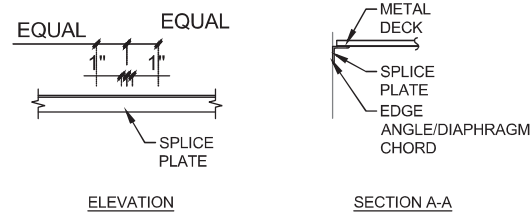
Scale
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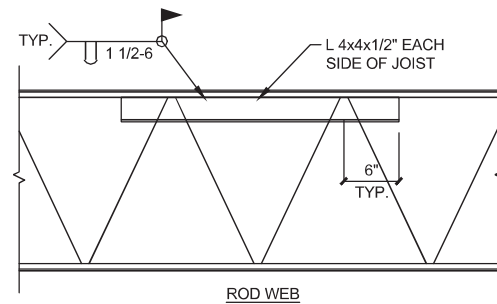
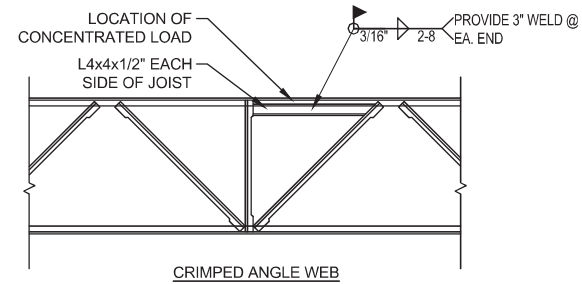
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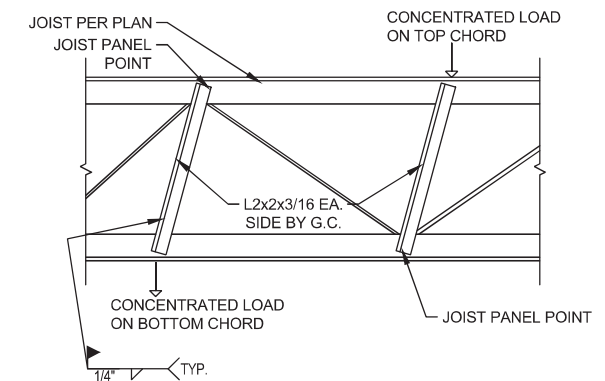
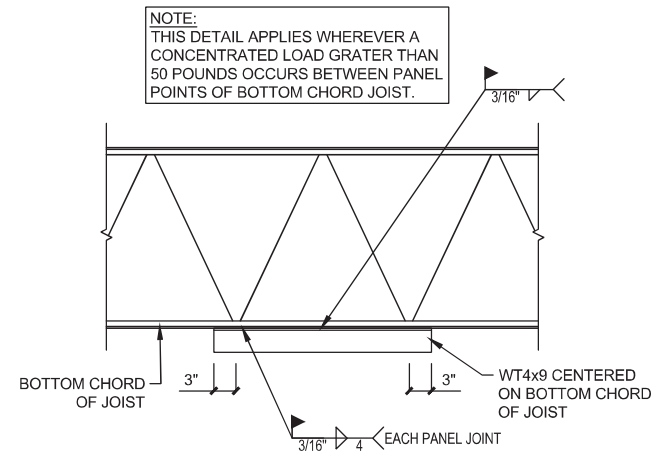
1	1/15/2023	Date
1	ISSUE FOR PERMIT	Revision/Issue
1		No.



EDGE ANGLE/DIAPHRAGM CHORD SPLICES	
ANGLE SIZE	SPLICE PLATE
L3x3x1/4"	1/2"x2 1/2"x9"
L4x4x1/4"	1/2"x4 1/2"x1'-0"
L5x3x1/4" (L.L.H.)	3/4"x2 1/2"x1'-2"
L6x4x1/8" (L.L.V.)	1/2"x5 1/2"x1'-2"



NOTE:
TOP CHORD SHALL BE REINFORCED WHEREVER A CONCENTRADE LOAD IN EXCESS OF 50 LBS. OCCURS BETWEEN PANEL POINTS OF THE JOIST.



NOTES:
THIS DETAIL IS APPLIED FOR ALL CONCENTRATED LOAD THAT ARE ATTACHED TO JOIST (S) BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS. EXAMPLES OF THESE LOADS ARE:
1) HANGING LOAD, PARTITION, THAT EXCEEDS 100 lb.
2) HANGING PLUMBING, MECH'L STEEL PIPE WITH DIA. > 5"
3) HANGING BASKETBALL GOALS
4) MECHANICAL UNITS.

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR PERMIT	11/14/2022

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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet Title
ROOF FRAMING DETAILS

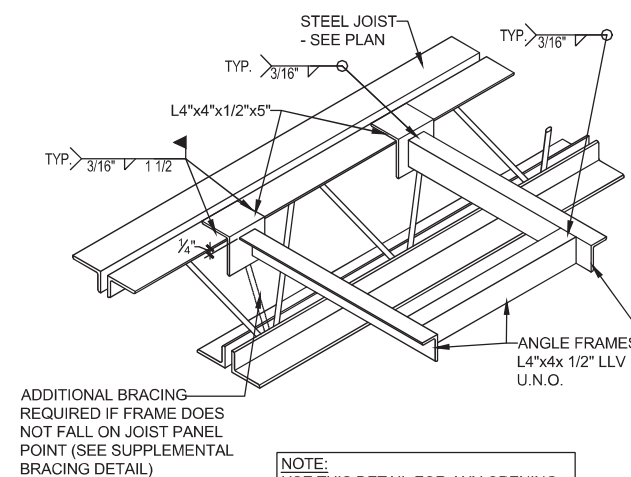
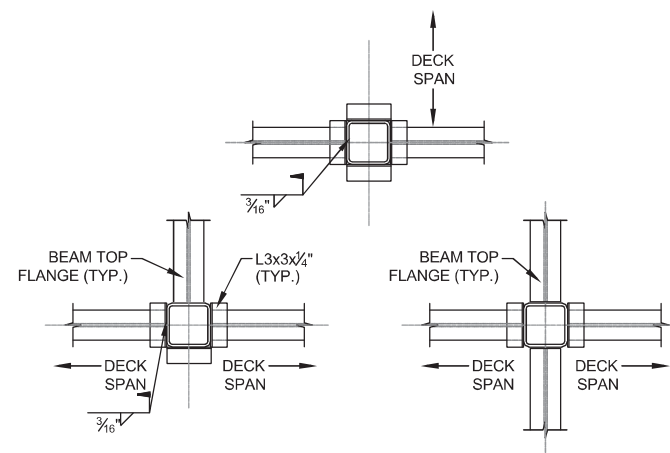
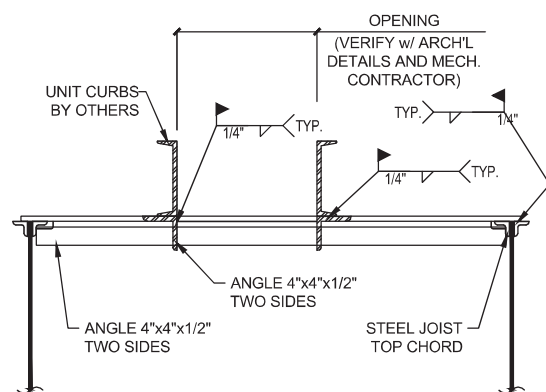
SD4.0

EDGE SPLICE DETAIL SCALE NOT TO SCALE 1

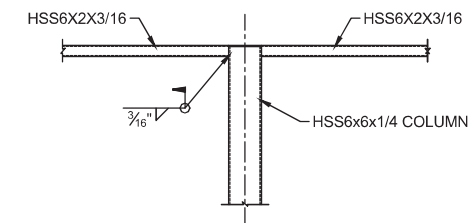
TYP. CHORD REIN. FOR KCS OR K-SERIES SCALE NOT TO SCALE 2

TYP. JOIST BOTTOM CHORD REIN. SCALE NOT TO SCALE 3

TYP. JOIST BRACING SCALE NOT TO SCALE 4



NOTE:
USE THIS DETAIL FOR ANY OPENING LARGER THAN 10" IN ANY DIRECTION OR EQUIPMENT WEIGHING IN EXCESS OF 50 POUNDS.



TYP. DETAIL AT ROOF CURB SCALE NOT TO SCALE 5

METAL DECK SUPPORT @ STEEL COLUMN SCALE NOT TO SCALE 6

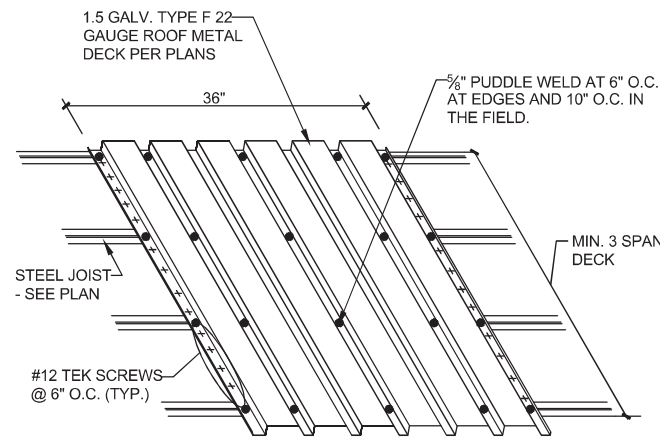
TYP. STEEL JOIST OPENING SUPPORT SCALE NOT TO SCALE 7

PARAPET CONNECTION SCALE NOT TO SCALE 8

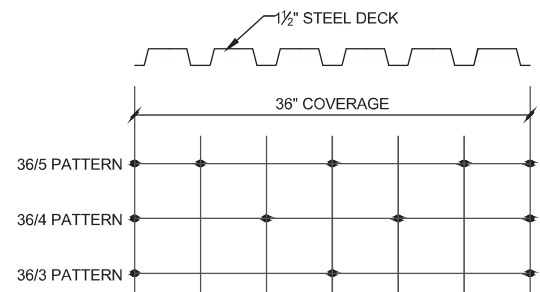
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FBC CODE: 2020 FBC
DATE: 02/03/2023



- NOTES:
1. WELDING METAL DECK TO ROOF JOISTS OR TO OTHER METAL DECK PANELS IS NOT PERMITTED
 2. USE #12 TEK SCREWS FOR CONN. TO ALL PERIMETER ANGLES @ 6" O.C.

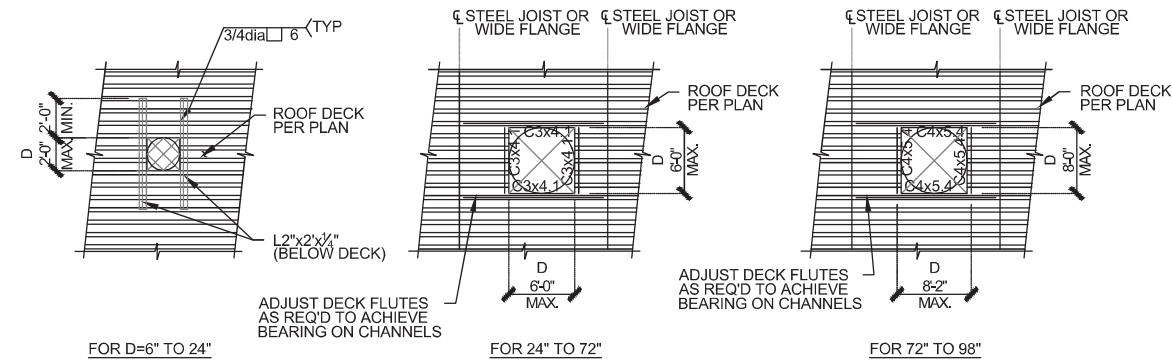


NOTES:
REFER TO GENERAL NOTES FOR FASTENER TYPES.

- 36/5 (6) NUMBER OF SIDELAP SCREWS PER SPAN
- NUMBER OF FASTENERS AT EACH SUPPORT PER SHEET
- NOMINAL SHEET WIDTH (INCHES)

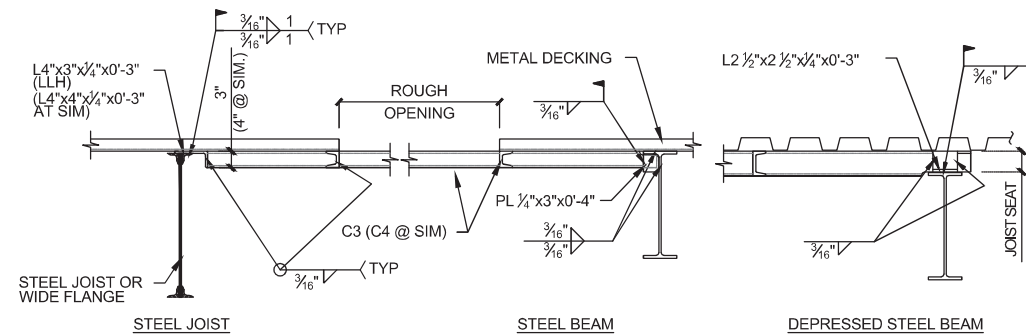
ROOF DECK ATTACHMENT W/ DECK FASTENER

SCALE NOT TO SCALE 1



- NOTES:
1. HOLES LESS THAN 6" Ø AND CUTTING NO MORE THAN 1 WEB REQUIRE NO REINFORCEMENT.
 2. ALL METAL DECK OPENINGS SHOWN ABOVE APPLY ONLY TO DUCTWORK, PIPING, ROOF HATCHES AND SMALL AIR SHAFTS.
 3. THESE REINFORCED OPENINGS ARE NOT INTENDED TO SUPPORT MECHANICAL EQUIPMENT.

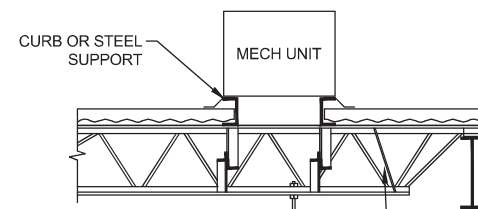
PLAN



TYP. ROOF OPENING SECTION FOR AIR VENTS

SCALE NOT TO SCALE 2

NOTE:
MECHANICAL UNIT MUST BEAR DIRECTLY ON ROOF MEMBER

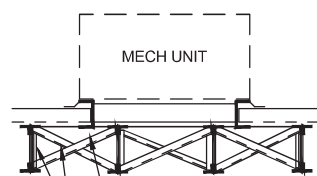


PLACE ALL MECH PIPING HANGERS AT BOT CHORD PANEL POINT OF JSTS AND TRUSSES
L2 1/2 x 2 1/2 x 1/4 BRACE FROM TOP CHORD OF JST (AT MECH UNIT CURB) DOWN TO NEAREST BOT CHORD PANEL POINT OF JST

L FRAME UNDER MECH UNIT NOT SHOWN FOR CLARITY

BRACING AT MECHANICAL UNIT

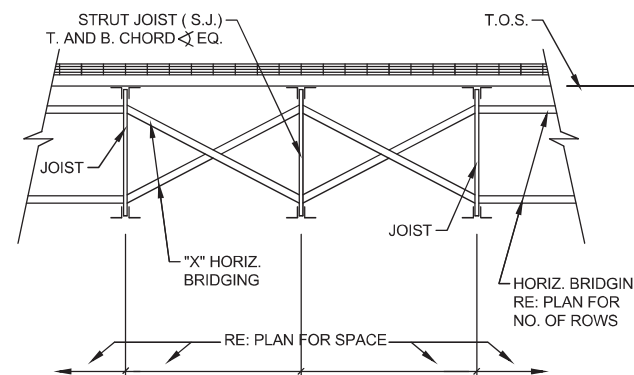
SCALE NOT TO SCALE 3



L FRAME UNDER MECH UNIT NOT SHOWN FOR CLARITY
L2 1/2 x 2 1/2 x 1/4 BRACING AT OTHER END OF MECH UNIT NOT SUPPORT BY ROOF BM OR GIRDER
L BRACE AS NOTED IN SECTION - "ADDN BRACING AT MECHANICAL UNITS"

BRACING AT MECHANICAL UNIT

SCALE NOT TO SCALE 4



BRIDGING AT STRUT JOIST

SCALE NOT TO SCALE 5

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EXAMINER: P22534PX11E8L2B2BP2109
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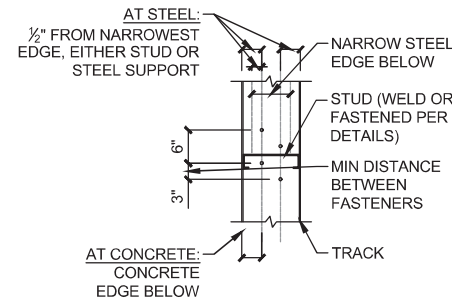
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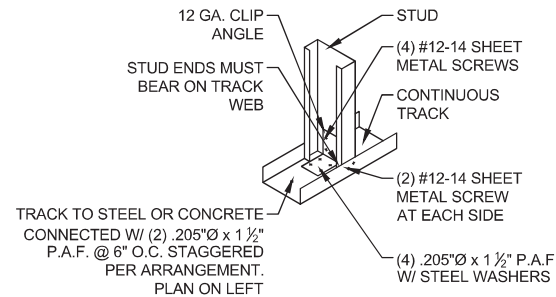
Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
ROOF FRAMING DETAILS

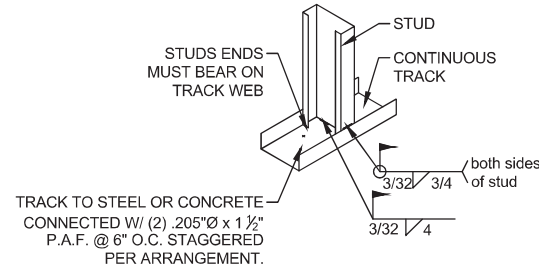
Project No. 170-84.00	Sheet
Date AS NOTED	SD4.1
Scale AS NOTED	



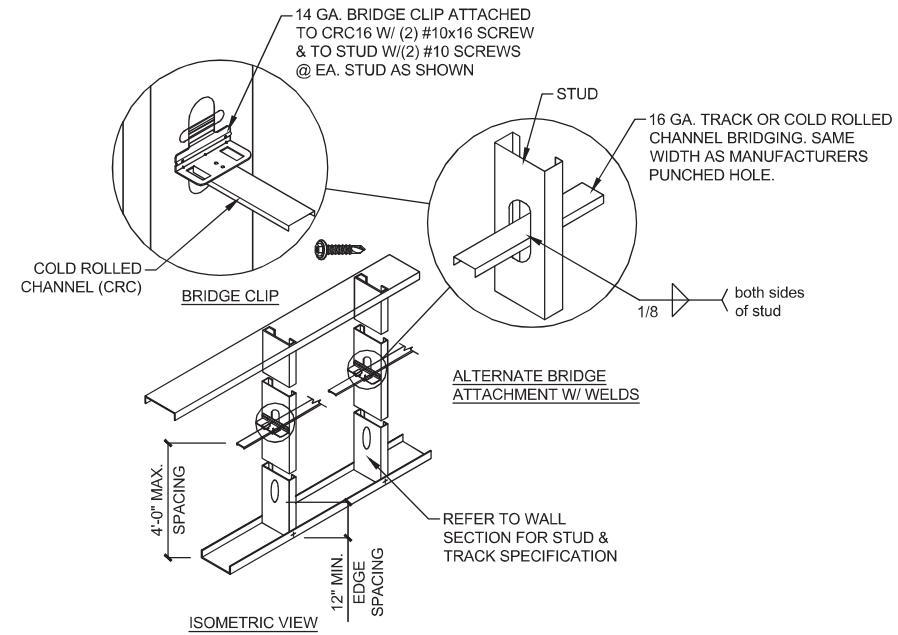
FASTENING ARRANGEMENT
TRACK TO STEEL OR CONC.
(PLAN)



STUD ATTACHMENT
TRACK TO STEEL OR
CONC. (VIEW)

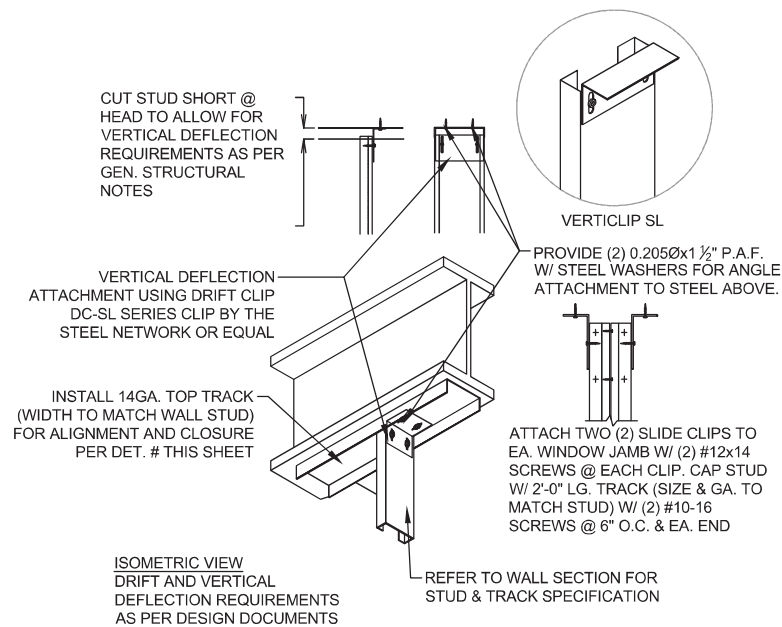


ALTERNATE STUD ATTACHMENT
TRACK TO STEEL OR CONC.
(VIEW)

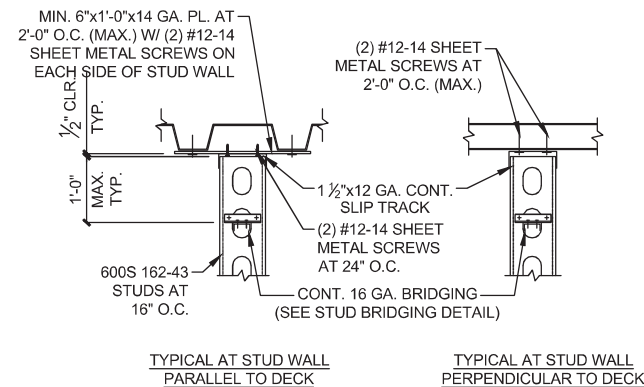


LT. GA. STUD BRIDGING DETAIL SCALE NOT TO SCALE 2

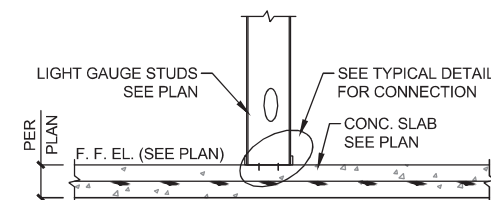
STUD TO TRACK CONNECTION SCALE NOT TO SCALE 1



L.G. STUD CONN. TO STEEL BEAM SCALE NOT TO SCALE 3



TYP. STUD CONN. TO DECK SCALE NOT TO SCALE 4



TYP. STUD CONN. TO CON. SLAB SCALE NOT TO SCALE 5

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PXS254PXX1183LPL030PXXZ09
FBC CODE: 2020 FBC
DATE: 02/03/2023

1	1/15/2022	Date
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1	No.	

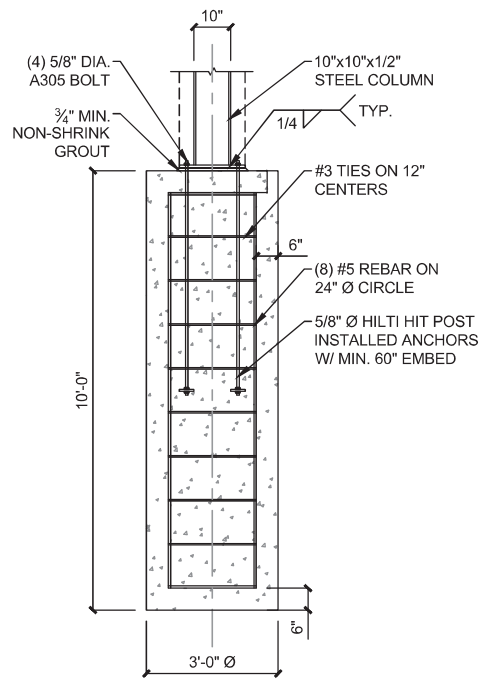
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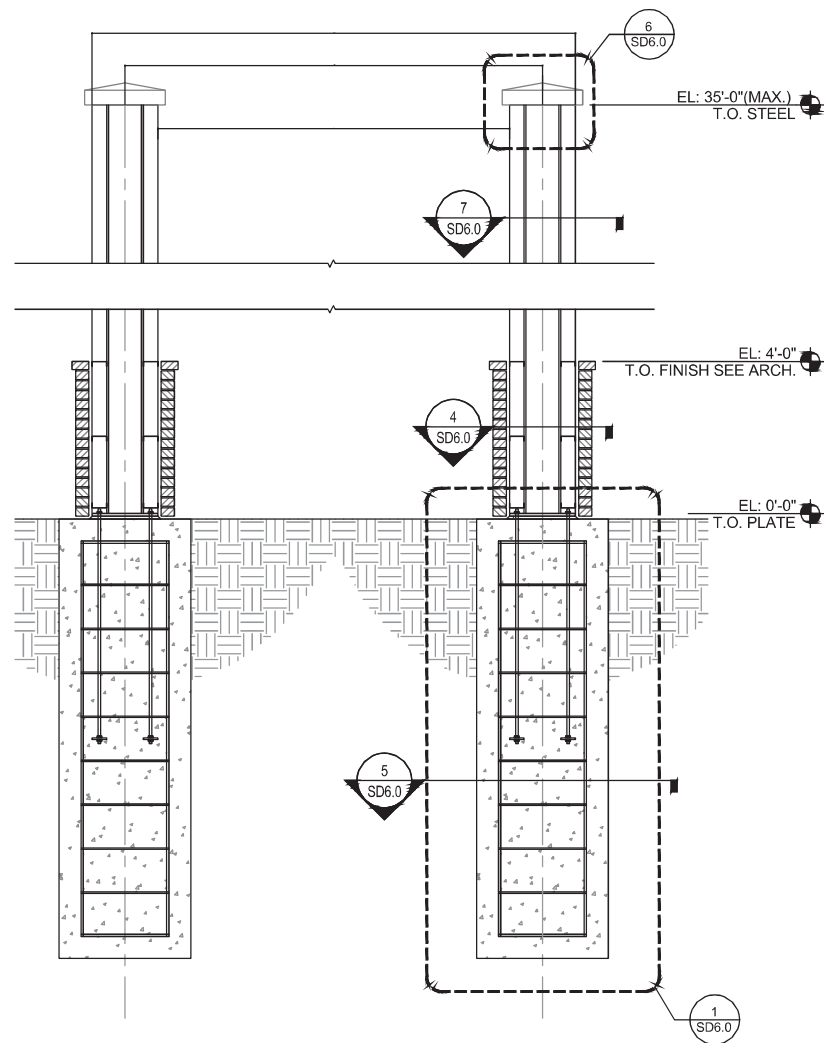
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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PAGE: FL 32571
Sheet Title
LIGHT GAUGE DETAILS

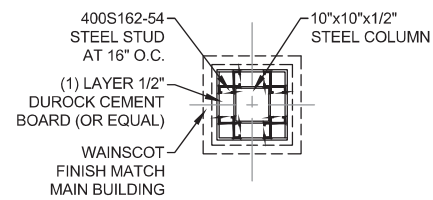
Project No. 170-84.00	Sheet
Date AS NOTED	SD5.0
Scale AS NOTED	



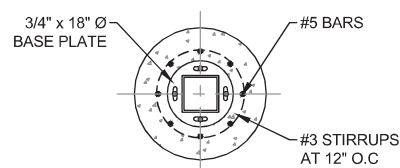
FOOTER DETAIL SCALE NOT TO SCALE 1



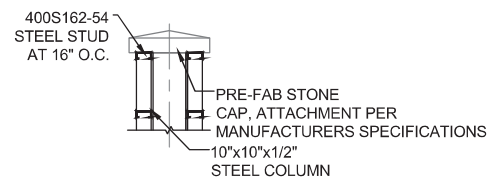
EXTERIOR SIGN SECTION SCALE NOT TO SCALE 2



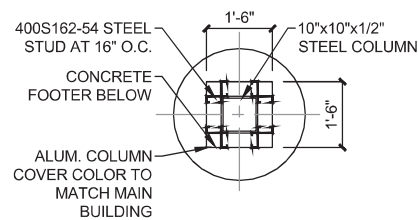
COLUMN DETAIL SCALE NOT TO SCALE 4



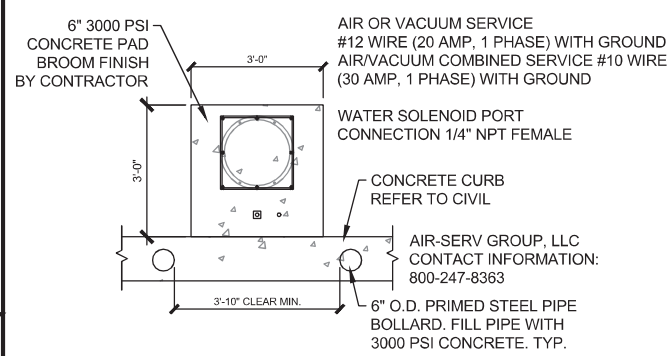
COLUMN DETAIL SCALE NOT TO SCALE 5



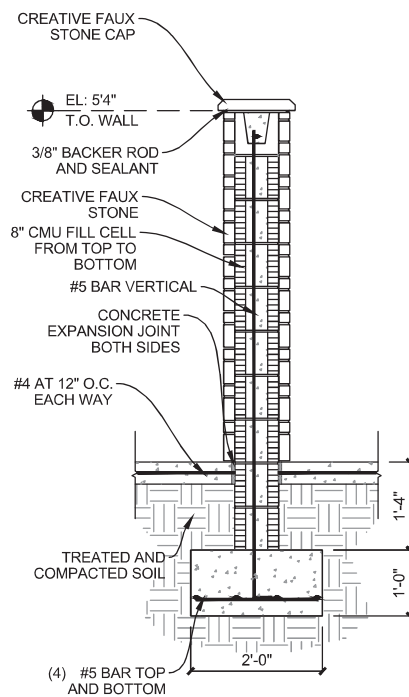
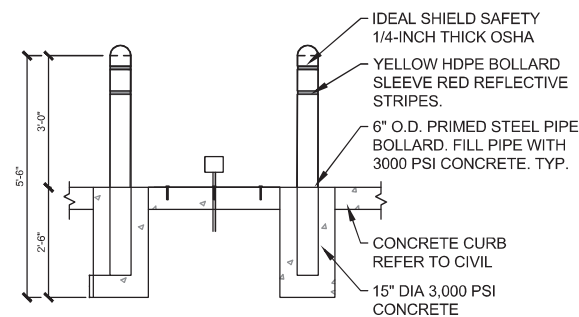
COLUMN CAP DETAIL SCALE NOT TO SCALE 6



COLUMN DETAIL SCALE NOT TO SCALE 7

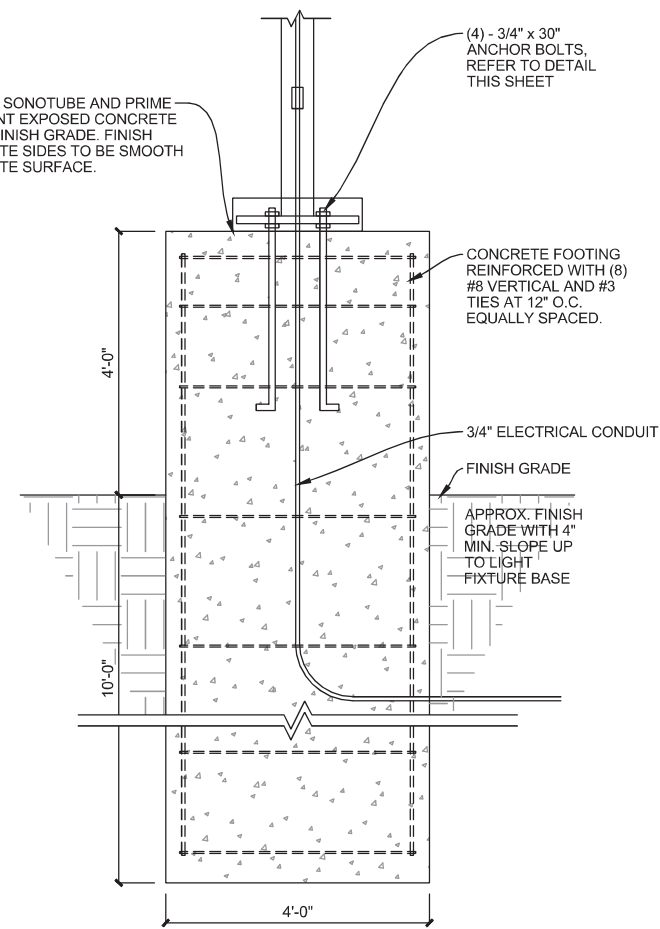


TYP. AIR/VACUUM AREA LAYOUT SCALE NOT TO SCALE 8

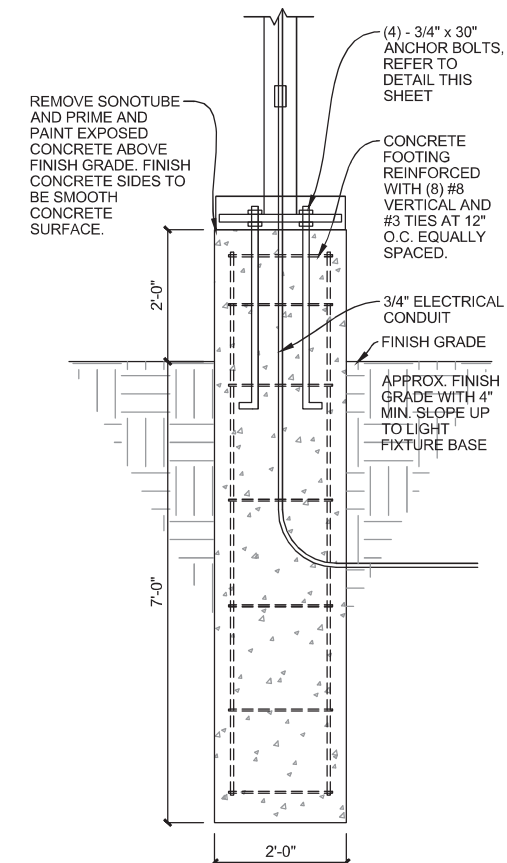


CMU WALL DETAIL SCALE NOT TO SCALE 9

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 EXAMINER: PK262M180LP203P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



LIGHT POLE BASE (HEAVY DUTY) SCALE NOT TO SCALE 3



LIGHT POLE BASE (LIGHT DUTY) SCALE NOT TO SCALE 10

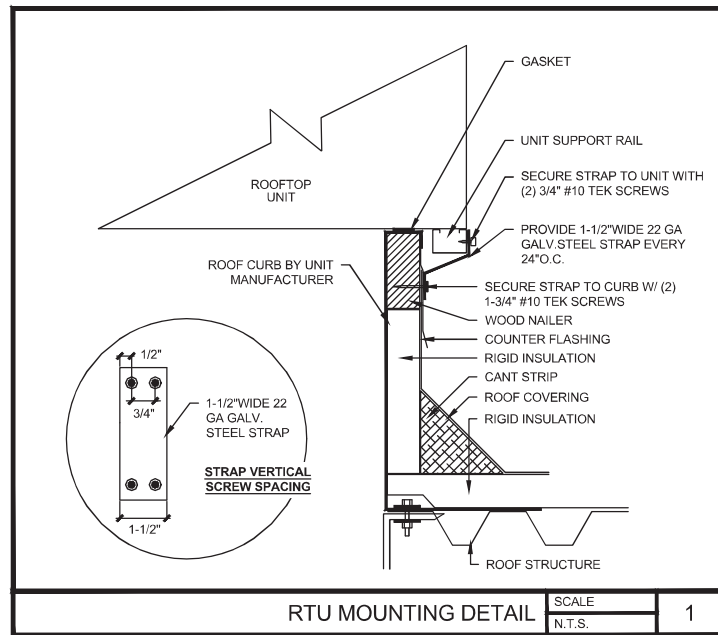
1	1/1/2023	Date
1	ISSUE FOR PERMIT	Revision/Issue

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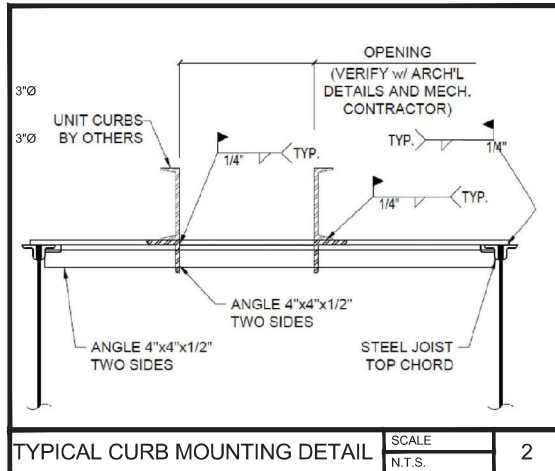
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 Sheet Title
MISC. DETAILS

Project No. 170-84-00	Sheet
Date AS NOTED	SD6.0
Scale AS NOTED	



RTU MOUNTING DETAIL SCALE N.T.S. 1



TYPICAL CURB MOUNTING DETAIL SCALE N.T.S. 2

ROOFTOP AIR HANDLING UNITS																									
TAG	AREA	MFG.	MODEL	ROOM TEMP	NOMINAL SIZE (TONS)	SUPPLY AIR FLOW (CFM)	MINIMUM OUTDOOR AIR FLOW	FAN TYPE	EXT S.P. (IN. W.C.)	FAN MOTOR		COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL/WH HEAT				EER	SEER	BASE WEIGHT (LBS)	NOTES		
										RPM	MOTOR HP	SENSIBLE COOLING LOAD (MBH)	TOTAL COOLING LOAD (MBH)	MEDIA	TOTAL HEATING CAPACITY (MBH)	NOMINAL POWER (KW)	MEDIA	VOLT	PH					HZ	MCAMCOCP
RTU-1	STORE-WEST	CARRIER	50HCBD09B2M5	75°F SUMMER 50% RH	5	2000	255	CENTRIFUGAL	0.80	1,100	1/4	46.6	56.9	R-410A	41 OUTPUT	12	ELECTRIC	208	3	60	53/60	12.45	15.3	610	1,2,3,5,6,7,8,9
RTU-2	KITCHEN-FOOD PREP	CARRIER	50HCBD09B2M5	75°F SUMMER 50% RH	8.5	3,400	285	CENTRIFUGAL	0.80	1,100	1/4	78.60	97.8	R-410A	53.5 OUTPUT	18.6	ELECTRIC	208	3	60	74/80	12.2	14.8	925	1,2,4,5,6,7,8,9
RTU-3	STORE-EAST	CARRIER	50HCBD09B2M5	75°F SUMMER 50% RH	8.5	3,400	375	CENTRIFUGAL	0.80	1,100	1/4	78.60	97.8	R-410A	53.5 OUTPUT	18.6	ELECTRIC	208	3	60	74/80	12.2	14.8	925	1,2,4,5,6,7,8,9

NOTES:
 1. COOLING PERFORMANCES ARE RATED AT 105degF AMBIENT, 80degF ENTERING DRY BULB, 67degF ENTERING WET BULB.
 2. ALTERNATE MANUFACTURERS: YORK, DAIKIN, TRANE.
 3. PROVIDE 4 SETS OF 16\"/>

DUCT SIZING GUIDE							
SUPPLY DUCT (0.085P)				RETURN DUCT (0.055P)			
ROUND DUCT		SQUARE DUCT		ROUND DUCT		SQUARE DUCT	
CFM RANGE	SIZE (IN)	CFM RANGE	SIZE (IN)	CFM RANGE	SIZE (IN)	CFM RANGE	SIZE (IN)
1 - 100	6	1 - 125	6 X 6	1 - 75	6	1 - 100	6 X 6
101 - 210	8	126 - 260	8 X 8	76 - 160	8	101 - 200	8 X 8
211 - 395	10	261 - 470	10 X 10	161 - 290	10	201 - 365	10 X 10
396 - 625	12	471 - 760	12 X 12	291 - 470	12	366 - 595	12 X 12
626 - 910	14	761 - 1,145	14 X 14	471 - 710	14	596 - 895	14 X 14
911 - 1,300	16	1,146 - 1,635	16 X 16	711 - 1,010	16	896 - 1,275	16 X 16
1,301 - 1,800	18	1,636 - 2,235	18 X 18	1,011 - 1,375	18	1,276 - 1,745	18 X 18
1,801 - 2,325	20	2,236 - 2,955	20 X 20	1,376 - 1,815	20	1,746 - 2,310	20 X 20

NOTES:
 1. FOR RECOMMENDED SQUARE SIZE DUCT AN APPROXIMATE EQUIVALENT RECTANGULAR CROSS SECTIONAL AREA IS ALSO ACCEPTABLE FOR ALTERNATIVE RECTANGULAR DUCT DIMENSIONS. DO NOT EXCEED A 3:1 DIMENSION RATIO.
 2. ROUND AND SQUARE DUCT DIMENSIONS HAVE BEEN SIZED BASED ON 0.08 INCHES OF FRICTION HEAD LOSS FOR SUPPLY DUCT AND 0.05 FOR RETURN DUCT.

MINIMUM VENTILATION RATES					
AREAS	OCCUPANCY LOAD	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	AREA (SQFT)	AREA OUTDOOR AIRFLOW RATE (CFM/SQFT)	MINIMUM TOTAL OUTSIDE AIR FLOW (CFM)
SALES	30	7.5	3,150	0.12	603
PREP AREA	4	7.5	380	0.12	76
STORAGE	-	7.5	197	0.12	24
OFFICE	1	7.5	71	0.12	16
TOTAL AIRFLOW					719

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE				
MARK	NECK	MAX CFM	DESCRIPTION	
S-1A	6" Ø	110	ALUMINUM HIGH PERFORMANCE THREE CONE DIFFUSER, MODULE SIZE 24X24, TITUS TMS-AA.	
S-1B	8" Ø	210		
S-1C	10" Ø	330		
S-1D	12" Ø	480		
S-1E	14" Ø	650		
S-1F	6" Ø	110		
R-1A	10" X 10"	800	EGGCRATE RETURN AIR GRILLE - CORE OF 1/2\"/>	

NOTES:
 1. FURNISH WITH STANDARD WHITE BAKED ENAMEL FINISH (#26 WHITE), UNO.
 2. FURNISH "RAPID-MOUNT" FRAMES FOR S-1 & R-1 DEVICES LOCATED IN DRYWALL CEILINGS. COORDINATE MOUNTING GRAME WITH CEILING/WALL TYPE
 3. ITEMS GRAYED OUT ARE NOT USED IN THIS PROJECTS'S SCOPE OF WORK (PART OF CLIENT STANDARDS).
 4. SIZE FOR MAXIMUM NOISE CRITERION <30 FOR DIFFUSERS, REGISTERS, AND GRILLES.
 5. PROVIDE DIRECTIONAL BLOW CLIPS WHERE REQUIRED OR DIRECTIONAL NECK Baffles WHERE INDICATED FOR BLOCKED AIRFLOW.
 6. PROVIDE REMOTE CABLE OPERATED VOLUME DAMPERS LOCATED IN INACCESSIBLE CEILING/WALL CONSTRUCTION.
 7. PROVIDE 120/240 VAC TRANSFORMER POWER MODULE, CONTROLLER/THERMOSTAT AND PRESSURE RELIEF RING FOR ALL VAV DIFFUSERS.
 * BASIS OF DESIGN PRODUCTS ARE INDICATED FOR REFERENCE ONLY. COMPARABLE PRODUCTS WILL BE ACCEPTED PROVIDED COMPLIANCE WITH TECHNICAL SPECIFICATION REQUIREMENTS.

HVAC ABBREVIATIONS:

CFM AIR FLOW RATE (CUBIC FEET PER MINUTE)
 GPM WATER FLOW RATE (GALLONS PER MIN.)
 MBH 1,000 BTU/H
 HP HORSEPOWER
 DB DRY BULB TEMPERATURE (°F)
 WB WET BULB TEMPERATURE (°F)
 RH RELATIVE HUMIDITY (%)
 EAT ENTERING AIR TEMPERATURE (°F)
 LAT LEAVING AIR TEMPERATURE (°F)
 EWT ENTERING WATER TEMPERATURE (°F)
 LWT LEAVING WATER TEMPERATURE (°F)
 SP STATIC PRESSURE (IN. W.G.)
 ESP EXTERNAL STATIC PRESSURE (IN. W.G.)
 TSP TOTAL STATIC PRESSURE (IN. W.G.)
 FLA FULL LOAD AMPS
 LRA LOCKED ROTOR AMPS
 MCA MINIMUM CIRCUIT AMPS
 MOP MAXIMUM OVERCURRENT PROTECTION
 FPM FEET PER MINUTE
 RPM REVOLUTIONS PER MINUTE
 APD AIR PRESSURE DROP (IN. W.G.)
 WPD WATER PRESSURE DROP (FT. H2O)
 PRV PRESSURE REDUCING VALVE (PSIG)
 RV RELIEF VALVE (PSIG)
 PSIG POUNDS PER SQUARE INCH
 SA SUPPLY AIR
 RA RETURN AIR
 OA OUTSIDE AIR
 EXH EXHAUST AIR
 RFA RELIEF AIR
 CC COOLING COIL
 HC HEATING COIL
 PHC PREHEAT COIL
 RHC REHEAT COIL
 AT DELTA T, TEMP. DIFFERENCE, °F
 CHWS CHILLED WATER SUPPLY
 CHWR CHILLED WATER RETURN
 CW CONDENSER SUPPLY
 CR CONDENSER RETURN
 HWS HEATING WATER SUPPLY
 HWR HEATING WATER RETURN
 LPS LOW PRESSURE STEAM, PSIG
 LPC LOW PRESSURE CONDENSATE
 MPS MEDIUM PRESSURE STEAM, PSIG
 HPS HIGH PRESSURE STEAM, PSIG

MINIMUM DUCT INSULATION R-VALUES:

LOCATION (1)	SUPPLY DUCT	RETURN DUCT
EXTERIOR OF BUILDING	R-6	R-4.2
VENTILATED ATTIC	R-6	R-4.2
UNVENTED ATTIC ABOVE INSULATED CEILING	R-6	R-4.2
UNVENTED ATTIC WITH ROOF INSULATION	R-4.2	NONE
UNCONDITIONED SPACES (2)	R-4.2	R-4.2
INDIRECTLY CONDITIONED SPACES (3)	NONE	NONE
CONDITIONED SPACES	NONE	NONE
BURIED	R-4.2	NONE

NOTES:
 1. INCLUDES CRAWL SPACES, BOTH VENTILATED AND NONVENTILATED.
 2. INCLUDES RETURN AIR PLENUMS WITH OR WITHOUT EXPOSED ROOFS ABOVE.

EQUIPMENT ROOF CURB INFORMATION:

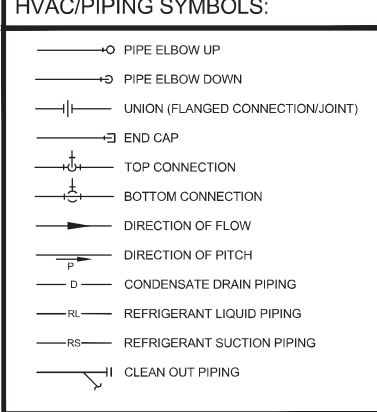
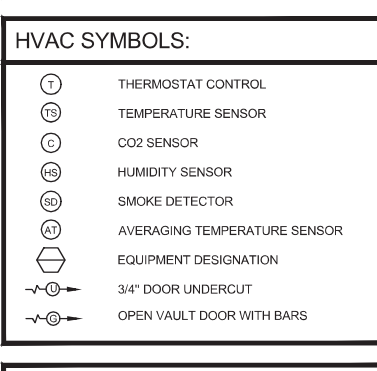
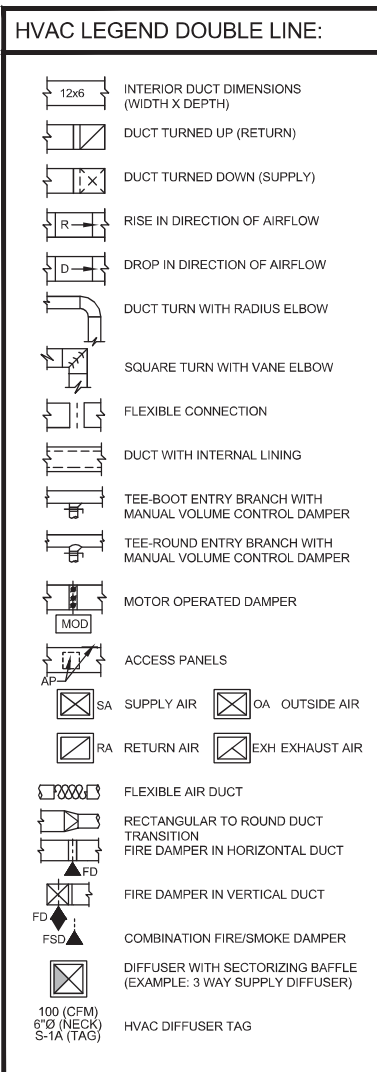
MECHANICAL DESIGN:
 IBC 1510.10 MECHANICAL UNITS - ROOF MOUNTED MECHANICAL UNITS SHALL BE MOUNTED ON CURBS RAISED A MINIMUM OF 8 INCHES ABOVE THE ROOF SURFACE, OR WHERE ROOFING MATERIALS EXTEND BENEATH THE UNIT, ON RAISED EQUIPMENT SUPPORTS PROVIDING A MINIMUM CLEARANCE HEIGHT IN ACCORDANCE WITH TABLE 1510.10.

MOUNTED MECHANICAL UNITS	
WIDTH OF MECHANICAL UNIT (INCHES)	MINIMUM CLEARANCE ABOVE SURFACES (INCHES)
< 24	14
25 < 36	18
37 < 48	24
49 < 60	30
> 60	48

RTU WIND MITIGATION INFORMATION:

STRUCTURAL DESIGN:
 • DESIGN FOR BASIC WIND SPEED = 155 MPH.
 • EXPOSURE CATEGORIES: C
 • RISK CLASSIFICATION CATEGORY: II
 • MEAN ROOF HEIGHT = 15 FT.

REFER TO STRUCTURAL DRAWINGS FOR DETAILED INFORMATION.



REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
 EXAMINER: PXS33APX1183LP203PFX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



11/14/2023	Date
ISSUE FOR PERMIT	Revision/Issue
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RICHARD KIMBALL, P.E.
 FL REG. NO. 79067

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
MECHANICAL LEGEND AND SCHEDULES

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

Sheet
M0.2

RTU-3 VENTILATION SCHEDULE:

System name and number	RTU-3
Condition analyzed (Impacts Ez, Vdz, Vpz and Vps)	Cooling
All zones are included in the VRP calculation	Yes

Zone Name and Number	Occupancy Category	Zone Floor Area Az (sq ft)	Are you using default value for zone population?	Zone Population Ps (people)	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow Voz (cfm)	Zone Discharge Airflow Vdz (cfm)	Zone Primary Airflow Vpz (cfm)	Zone Secondary Recirculation Fraction Er	Zone Primary Air Fraction Ep
SALES EAST	Sales	1,664	No	16.00	1.00	319.68	3,150	3,150	1.00	1.00
STORAGE - 103	Occupiable storage rooms for dry materials	160	No	1.00	1.00	14.80	250	250	1.00	1.00

System area	As	(sq ft)	1,824
System population	Ps	(people)	17.00
Sum of zone population	sum of Ps	(people)	17.00
Occupant diversity	D		1.00
Uncorrected outdoor air intake	Vou	(cfm)	334.28
System primary airflow (at condition analyzed)	Vps	(cfm)	3,400
Average outdoor air fraction	Xs		0.09

Which method from ASHRAE 62.1 is being used to determine system ventilation efficiency (Ev)?	Table 6-3		
Ventilation efficiency	Ev	1.00	
Outdoor air intake flow (required by 62.1)	Vot	(cfm)	334
Outdoor air intake flow provided (measured or design)	(cfm)	375	

RTU-1 VENTILATION SCHEDULE:

System name and number	RTU-1
Condition analyzed (Impacts Ez, Vdz, Vpz and Vps)	Cooling
All zones are included in the VRP calculation	Yes

Zone Name and Number	Occupancy Category	Zone Floor Area Az (sq ft)	Are you using default value for zone population?	Zone Population Ps (people)	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow Voz (cfm)	Zone Discharge Airflow Vdz (cfm)	Zone Primary Airflow Vpz (cfm)	Zone Secondary Recirculation Fraction Er	Zone Primary Air Fraction Ep
SALES WEST	Sales	1,006	No	12.00	1.00	210.72	1,050	1,050	1.00	1.00
CORRIDOR	Corridors	126	Yes	0.00	1.00	7.56	110	110	0.75	1.00

System area	As	(sq ft)	1,132
System population	Ps	(people)	12.00
Sum of zone population	sum of Ps	(people)	12.00
Occupant diversity	D		1.00
Uncorrected outdoor air intake	Vou	(cfm)	218.28
System primary airflow (at condition analyzed)	Vps	(cfm)	1,050
Average outdoor air fraction	Xs		0.20

Which method from ASHRAE 62.1 is being used to determine system ventilation efficiency (Ev)?	Table 6-3		
Ventilation efficiency	Ev	0.95	
Outdoor air intake flow (required by 62.1)	Vot	(cfm)	230
Outdoor air intake flow provided (measured or design)	(cfm)	255	

RTU-2 VENTILATION SCHEDULE:

System name and number	RTU-2
Condition analyzed (Impacts Ez, Vdz, Vpz and Vps)	Cooling
All zones are included in the VRP calculation	Yes

Zone Name and Number	Occupancy Category	Zone Floor Area Az (sq ft)	Are you using default value for zone population?	Zone Population Ps (people)	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow Voz (cfm)	Zone Discharge Airflow Vdz (cfm)	Zone Primary Airflow Vpz (cfm)	Zone Secondary Recirculation Fraction Er	Zone Primary Air Fraction Ep
HALLWAY - 108	Corridors	60	Yes	0.00	1.00	3.80	200	200	1.00	1.00
OFFICE - 109	Office space	67	No	1.00	1.00	9.02	70	70	1.00	1.00
UTILITIES - 111	Telephone closets	165	Yes	0.00	1.00	0.00	600	600	1.00	1.00
CASHIER - 110	Sales	311	No	5.00	1.00	74.82	360	360	1.00	1.00
DELL - 107	Kitchen (cooking)	274	No	6.00	1.00	77.88	750	750	1.00	1.00
PREP AREA - 106	Sales	310	No	2.00	1.00	52.20	900	900	1.00	1.00

System area	As	(sq ft)	1,187
System population	Ps	(people)	14.00
Sum of zone population	sum of Ps	(people)	14.00
Occupant diversity	D		1.00
Uncorrected outdoor air intake	Vou	(cfm)	217.52
System primary airflow (at condition analyzed)	Vps	(cfm)	3,400
Average outdoor air fraction	Xs		0.06

Which method from ASHRAE 62.1 is being used to determine system ventilation efficiency (Ev)?	Table 6-3		
Ventilation efficiency	Ev	0.94	
Outdoor air intake flow (required by 62.1)	Vot	(cfm)	231
Outdoor air intake flow provided (measured or design)	(cfm)	285	

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2634PX183LLP203/PX2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

WALK-IN EVAPORATOR AND CONDENSING UNIT SCHEDULE

TAG	LOCATION	MANUFACTURER	INDOOR UNIT MODEL	INDOOR UNIT MOUNTING TYPE	SYSTEM TYPE	PAIRED CONDENSING UNIT	CONDENSING UNIT MODEL	REFRIGERANT TYPE	COOLING			ELECTRICAL			PHYSICAL		
									APPLICATION CAPACITY (MBH)	ΔT	CFM (PER FAN)	OUTDOOR UNIT VOLT / PH / HZ	INDOOR UNIT	OUTDOOR UNIT	MCCP	INDOOR UNIT WEIGHT LBS.	OUTDOOR UNIT WEIGHT LBS.
1C	BEER CAVE (117)	HEATCRAFT	SME130BEE	CENTER MOUNT	AIR DEFROST	1B	M02025M63CF	R-404A	13.0	10	1950	208-230 / 1 / 60	1.5	29	35	141	208
1G	FREEZER (112)	BOHN	LET160BEK	LOW SILHOUETTE	AIR DEFROST	1F	M02055L63CF	R-404A	21.0	10	2100	208-230 / 1 / 60	2.25	44	60	66	275
71	COOLER (113)	BOHN	ADT120AEK	LOW SILHOUETTE	AIR DEFROST	70	M02060M63CF	R-404A	48.0	10	1300	208-230 / 1 / 60	2.25	44	60	66	275
73	COOLER (105)	BOHN	ADT070AEK	LOW SILHOUETTE	AIR DEFROST	72	M02005M63CF	R-404A	7.0	10	1460	208-230 / 1 / 60	2.25	20.6	25	62	234
68	FREEZER (104)	HEATCRAFT	LET090BEK	LOW SILHOUETTE	AIR DEFROST	59	M0X025L63CF	R-404A	9.0	10	1460	208-230 / 1 / 60	1.5	29	35	49	216

NOTES:
1. INDOOR UNIT RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.
2. REFRIGERATION EQUIPMENT SHALL BE SUPPLIED AND INSTALLED PER MANUFACTURER'S GUIDELINES AND INSTALLATION MANUAL. NO SUBSTITUTIONS OR ALTERNATE VENDORS SHALL BE PERMITTED WITHOUT APPROVAL FROM OWNER.

1/15/2023	Date
ISSUE FOR PERMIT	Revision/Issue
1	No.

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RICHARD KIMBALL, P.E.
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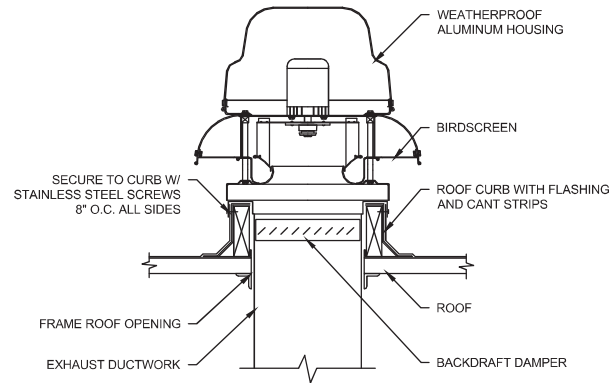
Sheet Title
MECHANICAL VENTILATION SCHEDULES

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
M0.3

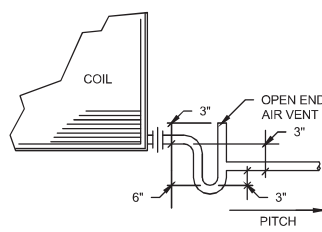


EQUIPMENT ROOF CURB INFORMATION:

MECHANICAL DESIGN:
 ROOF MOUNTED MECHANICAL UNITS SHALL BE MOUNTED ON CURBS RAISED A MINIMUM OF 8 INCHES ABOVE THE ROOF SURFACE, OR WHERE ROOFING MATERIALS EXTEND BENEATH THE UNIT, ON RAISED EQUIPMENT SUPPORTS PROVIDING A MINIMUM CLEARANCE HEIGHT IN ACCORDANCE WITH TABLE 1510.10.

MOUNTED MECHANICAL UNITS	
WIDTH OF MECHANICAL UNIT (INCHES)	MINIMUM CLEARANCE ABOVE SURFACES (INCHES)
< 24	14
25 < 36	18
37 < 48	24
49 < 60	30
> 60	48

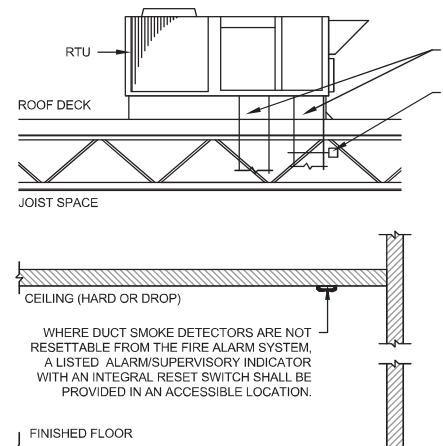
ROOF MOUNTED EXHAUST FAN DETAIL SCALE N.T.S. 1



NOTES:

- CONDENSATE PIPING SHALL BE OF CORROSION RESISTANT MATERIAL AND SHALL NOT BE SMALLER THAN THE DRAIN CONNECTION ON THE APPLIANCE.
- CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4".
- MINIMUM HORIZONTAL SLOPE IN THE DIRECTION OF DISCHARGE OF NOT LESS THAN 1/8 UNIT VERTICAL IN 12 UNITS HORIZONTAL.
- CONDENSATE PUMPS LOCATED IN UNINHABITABLE SPACES, SUCH AS ATTICS AND CRAWL SPACES, SHALL BE CONNECTED TO THE APPLIANCE OR EQUIPMENT SERVED SUCH THAT WHEN THE PUMP FAILS, THE APPLIANCE OR EQUIPMENT WILL BE PREVENTED FROM OPERATING.

CONDENSATE DRAIN TRAP DETAIL SCALE N.T.S. 4



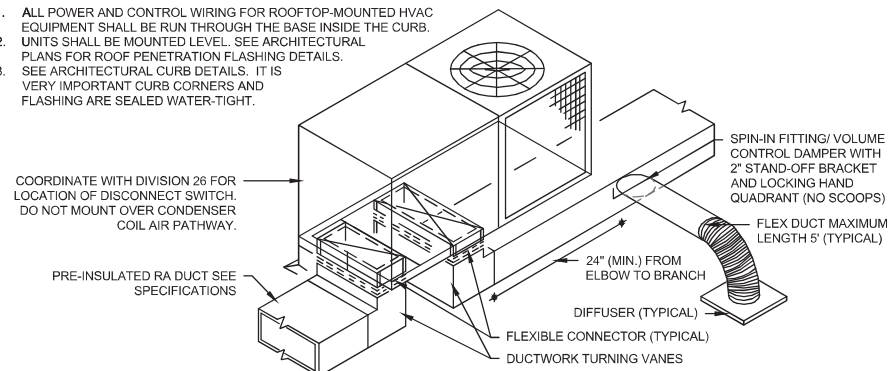
OUTSIDE AIR INTAKE
 SUPPLY AND RETURN AIR CONNECTIONS.
 DUCT SMOKE DETECTOR AT A SUITABLE LOCATION IN RETURN DUCT ON THE DOWNSTREAM SIDE OF THE FILTERS TO AUTOMATICALLY STOP THE SUPPLY FANS IN SYSTEMS OVER 2,000 CFM, PER LOCAL CODES.

DUCT SMOKE DETECTORS SHALL BE INNOVAIR FLEX D4120

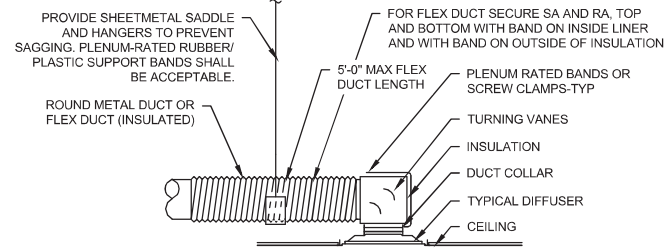
TYPICAL HVAC DUCT SMOKE DETECTOR DETAIL SCALE N.T.S. 6

ROOFTOP UNIT NOTES:

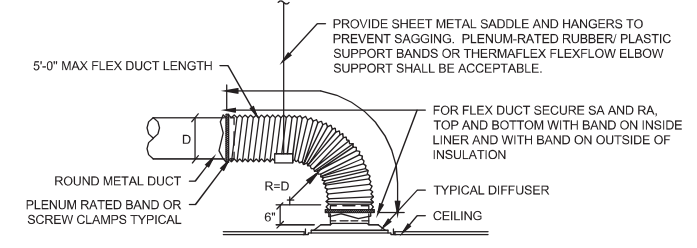
- ALL POWER AND CONTROL WIRING FOR ROOFTOP-MOUNTED HVAC EQUIPMENT SHALL BE RUN THROUGH THE BASE INSIDE THE CURB.
- UNITS SHALL BE MOUNTED LEVEL. SEE ARCHITECTURAL PLANS FOR ROOF PENETRATION FLASHING DETAILS.
- SEE ARCHITECTURAL CURB DETAILS. IT IS VERY IMPORTANT CURB CORNERS AND FLASHING ARE SEALED WATER-TIGHT.



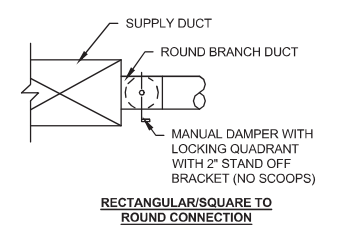
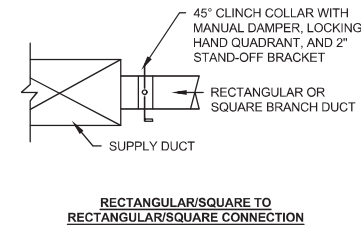
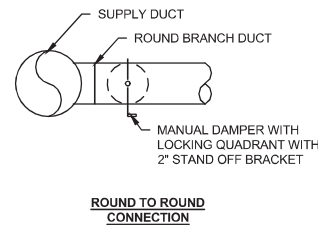
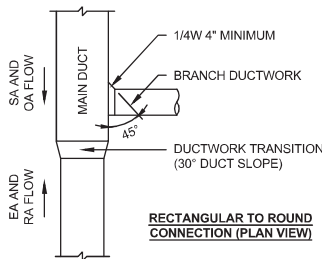
ROOF TOP UNIT W/DISTRIBUTION DUCT DETAIL SCALE N.T.S. 8



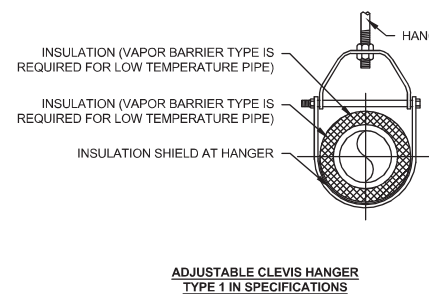
DIFFUSER CONNECTION DETAIL - LOW CLEARANCE SCALE N.T.S. 2



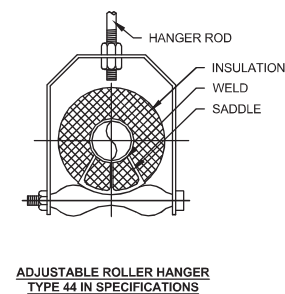
DIFFUSER CONNECTION DETAIL - TYPICAL CLEARANCE SCALE N.T.S. 3



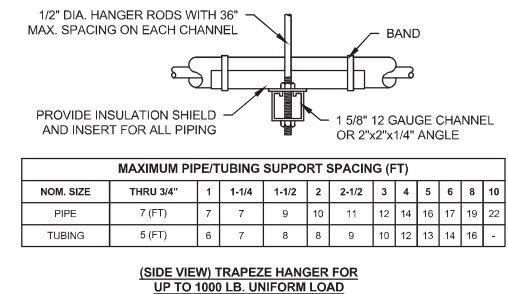
BRANCH DUCT CONNECTION DETAIL SCALE N.T.S. 5



ADJUSTABLE CLEVIS HANGER TYPE 1 IN SPECIFICATIONS



ADJUSTABLE ROLLER HANGER TYPE 44 IN SPECIFICATIONS



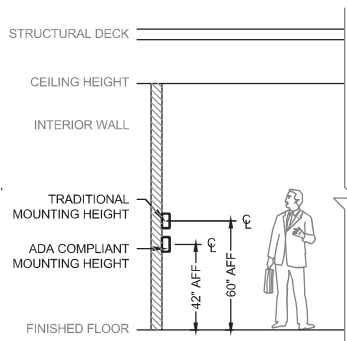
(SIDE VIEW) TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

MAXIMUM PIPE/TUBING SUPPORT SPACING (FT)											
NOM. SIZE	THRU 3/4"	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	10
PIPE	7 (FT)	7	7	9	10	11	12	14	16	17	22
TUBING	5 (FT)	6	7	8	8	9	10	12	13	14	16

PIPE HANGERS DETAIL SCALE N.T.S. 7

NOTES:

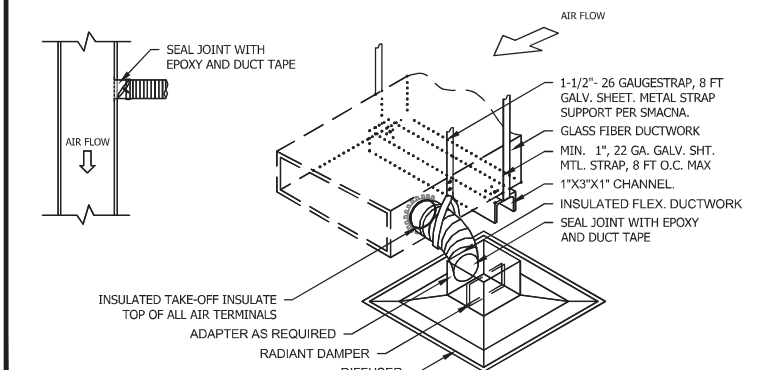
- ALL THERMOSTATS SHALL BE INSTALLED AT 42" AFF UNLESS NOTED OTHERWISE.
- MAINTAIN 16" FROM ADJACENT EXTERIOR WALLS. WHERE INSTALLATION IS REQUIRED ON EXTERIOR WALL, PROVIDE INSULATED MOUNTING PAD FOR BASE PLATE.
- REFRAIN FROM INSTALLING THERMOSTAT NEAR ANY HEATING OR COOLING SOURCES, SUCH AS EQUIPMENT, WINDOWS, OR UNDER SUPPLY DIFFUSERS.
- ENSURE THERMOSTAT IS INSTALLED IN CORRECT ORIENTATION AND ACCORDING TO ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
- COORDINATE FINAL LOCATION WITH IN FIELD CONDITIONS, MAINTAIN CLEARANCE FROM NEARBY SWITCHES AND OTHER DEVICES AS NEEDED.



THERMOSTAT MOUNTING DETAIL SCALE N.T.S. 9

NOTES:

- SEE SMACNA STANDARDS FOR ADDITIONAL DETAILS.
- NOT MORE THAN ONE TRANSVERSE JOINT BETWEEN HANGERS.



FIBERGLASS DUCT HANGER DETAILS SCALE N.T.S. 10

DETAILS NOTE: NOT ALL DETAILS ON THIS SHEET MAY APPLY TO THIS PROJECT. REFER TO PROJECT MECHANICAL PLANS FOR DETAILS APPLICABLE TO THIS PROJECT.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: P22654PX1183L P2019P2108
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

Date	Revision/Issue
1/11/2023	1

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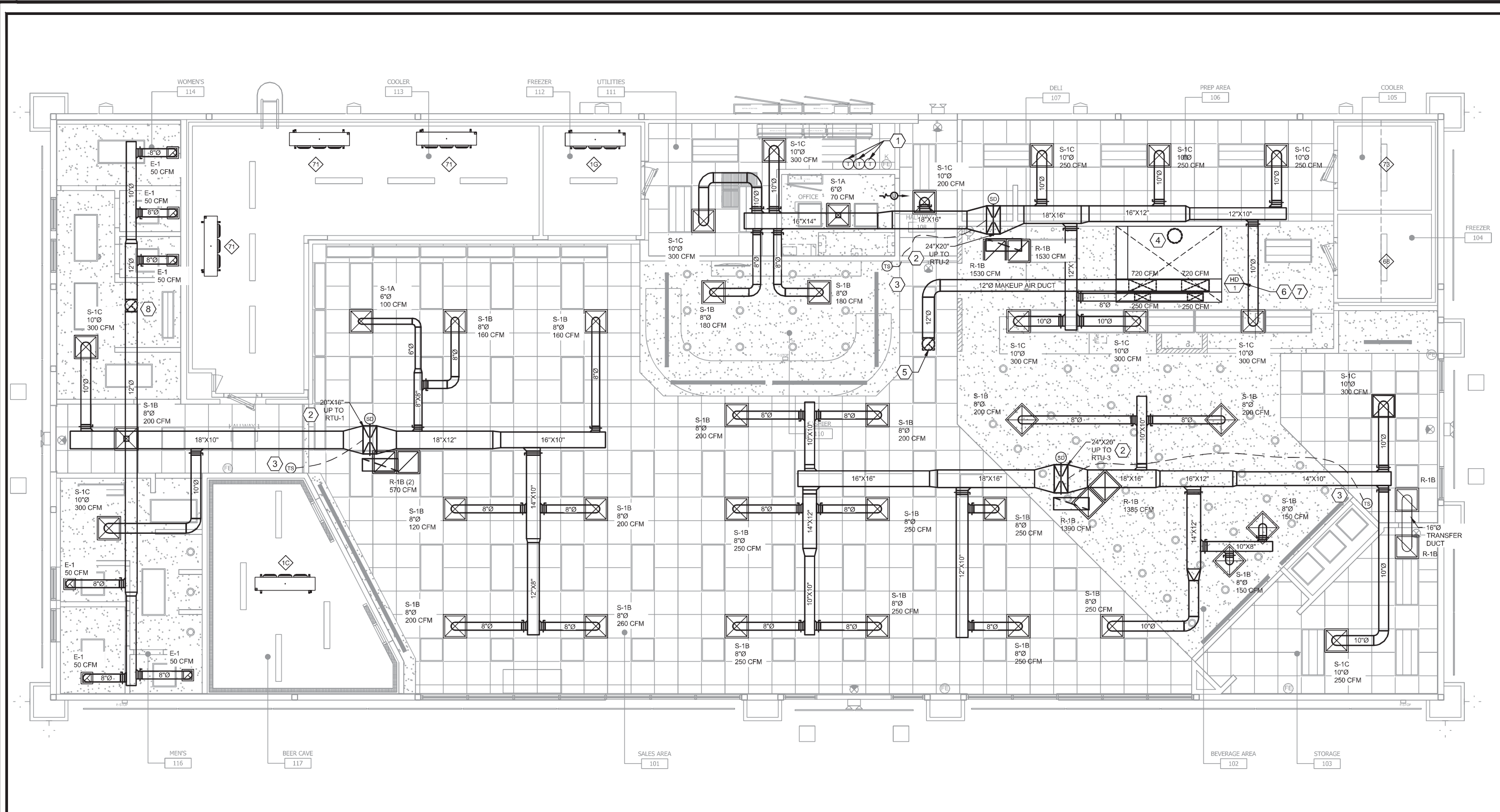
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 PACE, FL 32571

Sheet Title
MECHANICAL DETAILS

Project No. 170-84-00	Sheet
Date AS NOTED	M1.0
Scale AS NOTED	



MECHANICAL PROPOSED PLAN SCALE
1/4" = 1'-0"

PLAN SHEET NOTES:

- ① THERMOSTAT LOCATIONS FOR RTU-1, RTU-2, AND RTU-3. REFER TO DETAIL FOR MOUNTING HEIGHT AND INSTRUCTIONS, PROVIDE CLEAR LOCKABLE COVER. INSTALL SMOKE DETECTOR REMOTE TEST RESET SWITCH IN AUDIBLE AND VISIBLE LOCATION NEARBY. REFER TO DETAIL.
- ② SUPPLY AND RETURN DUCTWORK UP TO MECHANICAL UNIT LOCATED ON ROOF. REFER TO ROOF PLAN FOR EXACT LOCATION.
- ③ ROOFTOP UNIT REMOTE TEMPERATURE SENSOR. MOUNT AT 6' A.F.F.
- ④ 14" ROUND DUCT UP TO KEF-1 ON ROOF. REFER TO ROOF PLAN FOR EXACT LOCATION.
- ⑤ 12" ROUND DUCT UP TO MAU-1 ON ROOF. PROVIDE NECESSARY TRANSITIONS FOR COMPLETE INSTALLATION. REFER TO ROOF PLAN FOR EXACT LOCATION.
- ⑥ GREASE HOOD DUCT SYSTEMS SHALL BE DESIGNED AND INSTALLED SO AS TO PROVIDE AN AIR VELOCITY WITHIN THE DUCT SYSTEM OF NOT LESS THAN 1,500 FT/MIN AND NO GREATER THAN 2,500 FT/MIN. TO PREVENT GREASE ACCUMULATION OF GREASE, DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED AT A SLOPE OF NOT LESS THAN 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL TOWARD THE HOOD. WHERE HORIZONTAL DUCT EXCEEDS 75' IN LENGTH, SLOPE SHALL NOT BE LESS THAN ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL PER MECHANICAL CODE.
- ⑦ TYPE-1 9' KITCHEN HOOD WITH SUPPRESSION SYSTEM. REFER TO CAPTIVEAIRE DETAILS AND SUBMITTAL FOR MORE INFORMATION. PROVIDE MANUAL PULL STATION.
- ⑧ 12" ROUND EXHAUST DUCT UP TO EF-1. SEE ROOF PLAN FOR LOCATION OF FAN.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PK2554/DX1183/LP203/DPX2/09
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

1	1/14/2023	Date
1	ISSUE FOR PERMIT	Revision/Issue

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

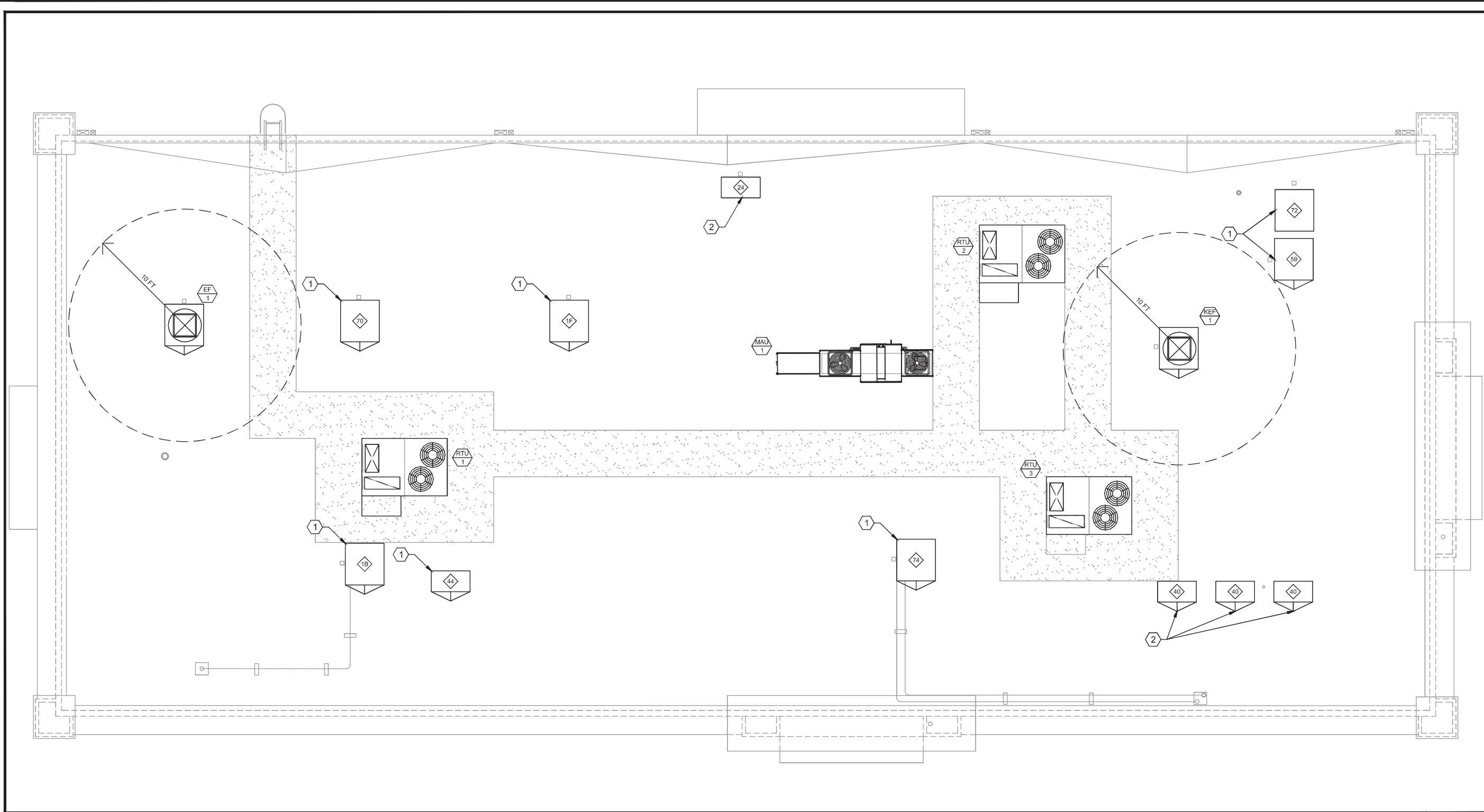
Sheet Title
MECHANICAL PROPOSED PLAN

Project No.
 170-84-00

Date
 AS NOTED

Scale
 AS NOTED

Sheet
M2.0



MECHANICAL ROOF PLAN PLAN SCALE
1/4" = 1'-0"

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PXS5SHIPX1183/LP203PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

PLAN SHEET NOTES:

- ① EVAPORATOR CONDENSING UNIT. REFER TO ARCHITECTURAL AND EQUIPMENT SCHEDULES FOR EQUIPMENT INFORMATION.
- ② ICE MAKER REMOTE CONDENSER. REFER TO ARCHITECTURAL FOR EQUIPMENT INFORMATION.

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/15/2023

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Project Name and Address
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90 WEST SPENCER FIELD ROAD
PAGE: FL 32571

Sheet Title
MECHANICAL PROPOSED ROOF PLAN

Project No. 170-84.00	Sheet
Date AS NOTED	M3.0
Scale AS NOTED	

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REFER TO SEPARATE PERMIT CAPTIVEAIRE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

FOR QUESTIONS, CALL THE
Austin Office
REGION 47
PHONE: (512) 539-0483
EMAIL: reg47@captiveaire.com

HOOD INFORMATION - JOB#5486241

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)				MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG				
										WIDTH	LENG	HEIGHT	DIA				CFM	VEL	SP	END TO END	ROW
1	HD-1	5424 ND-2-ACPSP-F	CAPTIVEAIRE	8' 0"	600 DEG	I	HEAVY	225	1800			4"	14"	1800	1684	-0.930"	1440	500	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)		UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT				
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE			FIRE SYSTEM	ELECTRICAL	SWITCHES	
1	HD-1	CAPTRATE SOLO FILTER	5	16"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0	DCV-1111	1 LIGHT 1 FAN	YES	785 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	HD-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00" HIGH X 108.00" LONG 430 SS VERTICAL. LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS. RISER SENSOR INSTALL 3IN DBL.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	RISER(S)					
						TYPE	WIDTH	LENG	DIA	CFM	SP
1	HD-1	Front	108"	24"	6"	MUA	12"	28"		720	0.168"
						MUA	12"	28"		720	0.168"
						AC	8"	16"		250	0.059"
						AC	8"	16"		250	0.059"

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

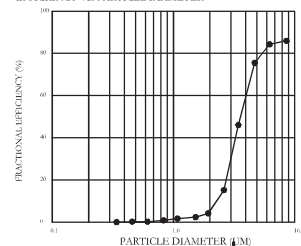
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

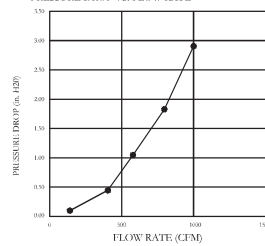
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO IS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:

NFPA #96
NSF STANDARD #2
UL STANDARD #1046
INT. MECH. CODE (IMC)
ULC-S649.

PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.



GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".
DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE
HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

CUSTOMER APPROVAL TO MANUFACTURE:

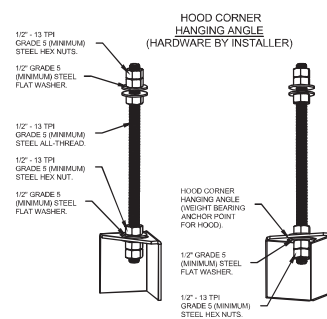
APPROVED AS NOTED
APPROVED WITH NO EXCEPTION TAKEN
REVISE AND RESUBMIT
SIGNATURE: _____
YOUR TITLE _____ DATE _____

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH UL 710 AND NFPA 96 AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:

ETL SANITATION LISTED
ETL LISTED FILE# 3054804-001

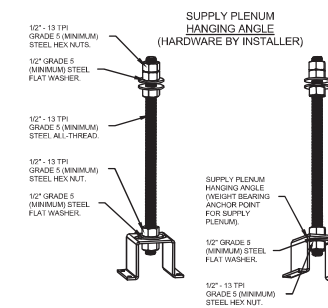
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
NSF
ETL LISTED #3054804-001



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PAGESBXPX183LEP203PZY109

FBC CODE: 2020 FBC

DATE: 02/03/2023

REVISIONS	DESCRIPTION	DATE
1		1/11/2023



CAPTIVE AIR
Austin Office
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CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR PERMIT	1/11/2023

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PACE, FL 32571

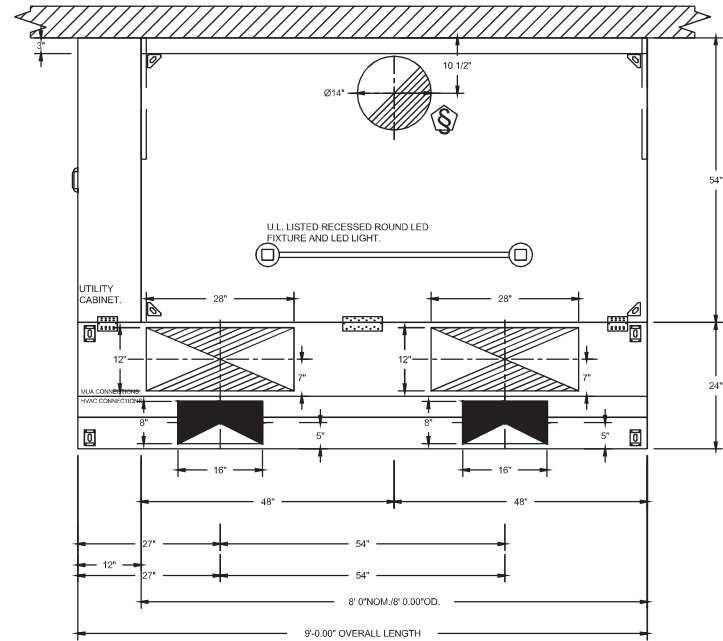
Sheet Title
KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS

Project No. 170-84-00
Date AS NOTED
Scale AS NOTED

Sheet
MC0.1

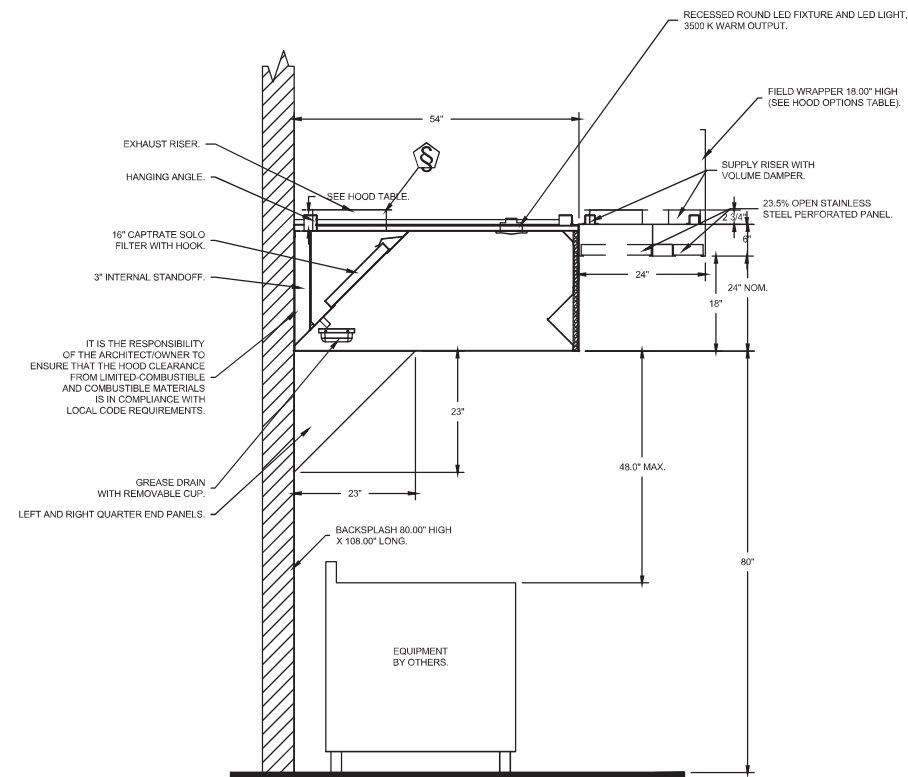
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REFER TO SEPARATE PERMIT CAPTIVEAIRE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION



PLAN VIEW - HOOD #1 (HD-1)
8' 0.00\"/>

ACPSP SHIPS LOOSE FOR FIELD INSTALLATION



SECTION VIEW - MODEL 5424ND-2-ACPSP-F
HOOD - #1 (HD-1)

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PA2534/PX1183/LP/203/PX2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

REVISIONS	
DESCRIPTION	DATE



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CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
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SHEET NO. 2

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	11/14/2022

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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS

Project No. 170-84.00	Sheet
Date AS NOTED	MC0.2
Scale AS NOTED	

FOR REFERENCE ONLY

REFER TO SEPARATE PERMIT CAPTIVE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

SECTION 23 38 13 13

SPECIFICATIONS
TAG: Commercial Kitchen Ventilation Hoods, Listed Commercial Kitchen Hoods

PART 1 - GENERAL

1.1 SUMMARY

- A. The ND2 series is a Type I, wall canopy hood for use over 600°F cooking surface temperatures. The aerodynamic design includes a mechanical baffle and performance enhancing lip for exceptional capture and containment.
- B. The hood shall have the size, shape, and performance specified on drawings.

1.2 SUBMITTALS

- A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the project's requirements and meet Federal, State, and Local codes and regulations.
- B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.
- C. The manufacturer shall supply complete computer generated submittal drawings, including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect, and owner for their use in construction, operation, and maintenance.

1.3 QUALITY ASSURANCE

- A. This hood is ETL-listed to standard UL710, ULC710, and ULC-S646 when installed in accordance with these installation instructions and National Fire Protection Association Standard "NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations."
- B. Built-in compliance with NSF/ANSI Standard 2.
- C. The hood shall be ETL Listed as:
 1. "Exhaust Hood Without Exhaust Damper."
 2. ETL Sanitation Listed and built in accordance with NFPA 96.
 3. The ETL label shall list temperature rating(s) and minimum CFM/ft rating(s).

1.4 WARRANTY

- A. All units shall be provided with the following standard warranty:
 1. This equipment is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 2-years from date of shipment.
- B. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 2-year warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.
- C. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2 - PRODUCTS

2.1 GENERAL

- A. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints, and penetrations of the hood enclosure to the lower outermost perimeter, which directs and captures grease-laden vapor and exhaust gases, shall have a liquid-tight continuous external weld in accordance with NFPA 96.

- B. Duct sizes, CFM, and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate, air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

2.2 CONSTRUCTION

- A. Construction shall be type 430 stainless steel.
- B. Double wall insulated front to eliminate condensation and increase rigidity on wide sizes. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.
- C. Hood shall be equipped with a minimum of four connections for hanger rods. Hood lengths greater than 12' will have added hangers.
- D. Exhaust duct collar to be 4" high with flange.
- E. The grease drain system shall be an enclosed integral part of the hood back and have slopes with an exposed, removable 1/2 grease cup to facilitate cleaning.
- F. An integral baffle to direct grease laden vapors toward the exhaust filter bank.
- G. Hood shall be furnished with UL classified filters, supplied in size and quantity as required by ventilator.
- H. All seams shall be welded and have stainless steel on exposed surfaces.

2.3 LIGHTING

- A. Recessed round LED fixture and LED light, 3500K Warm output.

2.4 FILTERS

- A. Stainless Steel Captrate Solo filter with hook, ETL Listed. Particulate capture efficiency: 85% efficient at 9 microns, 76% efficient at 5 microns.

2.5 OPTIONS

- A. Fire Suppression System: UL 300 fire suppression system.
- B. Optional perforated supply plenum shall provide make-up air discharged below the cooking equipment.
 1. Perforated diffuser plates shall be included in the design to provide even air distribution.
 2. Unexposed surfaces shall be constructed of aluminized steel. Plenum shall be insulated to prevent condensation.
 3. Dual Plenum (AC-PSP)
- C. Hood Mounted Utility Cabinet - Cabinet can store listed fire suppression system, listed components, pre-wired electrical controls.

2.6 ACCESSORIES

- A. End Panel(s) maximize hood performance and eliminate the effects of cross drafts in the kitchen. Units constructed of stainless steel and sized according to hood width and cooking equipment. Exposed edges hemmed for safety and rigidity. Selected panels:
 1. Quarter End Panel
- B. Splash panel(s) selected:
 1. Backsplash
- C. Wrapper(s) may be installed from the factory or field installed. Wrapper(s) selected:
 1. Wrapper
- D. Miscellaneous option(s) selected:
 1. Riser Sensor Install – Sensor set-up for 3" thick double wall duct.

PART 3 - EXECUTION

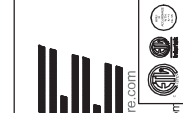
3.1 EXAMINATION

- A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to Installer.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.

REVISIONS	
DESCRIPTION	DATE



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CAPTIVE
Austin Office

CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 3

EXAMINER: PYZSHPX183LPL203PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

REVIEWED FOR CODE COMPLIANCE
Coastal Code Services
EXAMINER: PYZSHPX183LPL203PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

CEFCO #426 - PACE
90 WEST SPENGER FIELD ROAD
PACE, FL 32571

KITCHEN EXHAUST, HOOD
AND MAKEUP AIR UNIT
DETAILS

Project No. 170-84.00
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Scale AS NOTED

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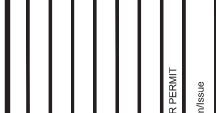
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KITCHEN EXHAUST, HOOD
AND MAKEUP AIR UNIT
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FOR REFERENCE ONLY

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FIRE SYSTEM INFORMATION - JOB#5486241

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0	20	FIRE CABINET LEFT	LEFT, HOOD 1

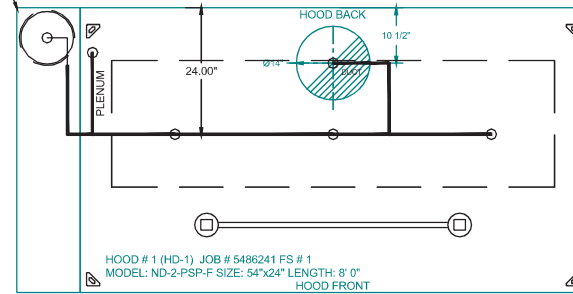
CAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

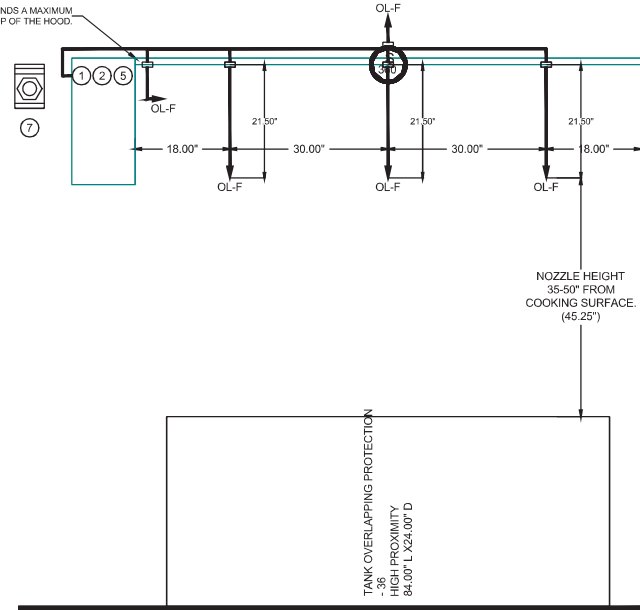
FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO. CLOSE ON TEMP RISE AT 360°F.	1	0
		0 - 0 - 87-30001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-30003-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-30015-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	4	0
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	4	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	2	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	5	0
		16 - 16 - OL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)- 4 FLOW POINTS.	5	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL)	5	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT, RED COLOR.	1	0

- SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR MOST APPLIANCES. EACH 90 DEGREE ELBOW ADDS 1.3 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS



FACTORY PIPING EXTENDS A MAXIMUM OF 6\"/>



NOTES

- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6\"/>

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 5486241.
JOB NAME: CEFCO #426 PACE, FL.

SYSTEM SIZE: TANK-SP-1 TOTAL FP REQUIRED: 20.
HOOD # 1 8' 0.00\"/>

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND - FIRE CABINET TANK SYSTEM

- | | |
|---|---------------------------------|
| 1 | 4 GALLON TANK. |
| 2 | PRIMARY ACTUATOR RELEASE. |
| 3 | SECONDARY ACTUATOR RELEASE. |
| 4 | PRESSURE SUPERVISION SWITCH. |
| 5 | PRIMARY HOSE ASSEMBLY. |
| 6 | SECONDARY HOSE ASSEMBLY. |
| 7 | REMOTE MANUAL ACTUATION DEVICE. |

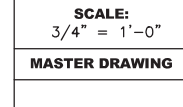
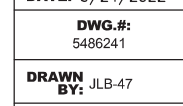
INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES). ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2\"/>

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2634PX1183LP20PFX2108
FBC CODE: 2020 FBC
DATE: 02/03/2023

REVISIONS	
DESCRIPTION	DATE



CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022

DWG.#: 5486241

DRAWN BY: JLB-47

SCALE: 3/4\"/>

MASTER DRAWING

SHEET NO. 4

Project Name and Address	Sheet Title	Date
CEFCO #426 - PACE 90 WEST SPENCER FIELD ROAD PACE, FL 32571	KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS	11/14/2022

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RICHARD KIMBALL, P.E.
FL REG. NO. 79067

Date
This item has been electronically signed and sealed by (Richard Kimball, PE) on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy. FAC 61G15-23.004

Project No.	Sheet
170-84.00	MC0.4
Date	AS NOTED
Scale	AS NOTED

FOR REFERENCE ONLY

REFER TO SEPARATE PERMIT CAPTIVE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

SECTION 21 23 00
WET- CHEMICAL FIRE-EXTINGUISHING SYSTEMS
TAG: TANK Fire Suppression

PART 1- GENERAL

1.1 SUMMARY

A. TANK Fire Suppression is a pre-engineered, stored-pressure wet chemical solution extinguishing system.

1.2 SUBMITTALS

A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the requirements of the project and meet Federal, State, and Local codes.
B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.

1.3 QUALITY ASSURANCE

A. TANK Fire Suppression System shall be UL & ULC listed in accordance with UL300, UL1254, ULCORD-C1254.6.
B. Microprocessor-based control board shall be ETL Listed to UL Standard 864 and CAN/ ULC-S527-11.
C. TANK Fire Suppression System intended for installation and for use in accordance with the National Fire Protection Association Standards:
1. Wet Chemical Extinguishing Systems, NFPA 17A
2. National Electrical Code, NFPA 70
3. National Fire Alarm & Signaling Code, NFPA 72
D. New York City and FDNY approved under COA# 5870.
E. California State Fire Marshal (CFSM), Listing No. 7085-2199-0502.

1.4 WARRANTY

A. All units shall be provided with the following standard warranties:
1. TANK Fire Suppression System is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 60-months from date of shipment.
B. Warranty does not cover consumable products such as batteries and nitrogen.
C. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 60-month warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.
D. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2- PRODUCTS

2.1 GENERAL

A. A pre-engineered, fixed pipe, automatic wet chemical agent fire suppression system for protection of all hazard areas associated with cooking operations, including exhaust hoods, plenums, ductwork, and cooking appliances.

2.2 COMPONENTS

A. Exhaust hood fire system components to be factory installed.
B. Cylinder and Valve Assembly
1. The cylinders shall have a tin-nickel alloy plated brass valve with pressure gauge.
2. Wet chemical agent shall be contained in one or more stored pressure DOT/TC rated steel cylinder and valve assemblies.
3. Each cylinder is factory-filled with liquid fire suppressant and pressurized to 200 PSIG at 70°F.
C. Distribution Nozzles
1. Nozzles shall be located to protect the exhaust ducts, plenums, and all cooking appliances requiring protection.
2. All nozzles shall be equipped with a metal blow off cap. The cap prevents contamination from entering the pipe network and is designed to pop-off upon system discharge, allowing agent to flow to the protected hazard area.
3. All nozzles shall incorporate a stamped part number to easily identify nozzle type.
D. Distribution System
1. The distribution system shall consist of Copper, Schedule 40 black iron, chrome-plated or stainless-steel pipe and fittings. All exposed piping and fittings must be chrome-plated or stainless

steel.
2. Fittings shall be minimum class 150. Galvanized fittings shall not be used.

E. Suppression System

1. The system control equipment shall be capable of all functions associated with automatically and manually discharging the wet chemical agent from all cylinder and valve assemblies, including automatic shutdown of the heat source or fuel and electrical power to all protected areas upon system discharge.
2. Liquid Fire Suppressant shall be Aqueous Potassium Carbonate (APC).
3. All mechanical components of the actuator kit shall be enclosed.
4. The actuator kit shall be capable of automatic or manual activation means.
5. Supervisory Pressure Switch added to monitor operating system pressure.
6. For manual activation, an electrically operated manual release shall be used to actuate the system manually.
7. For automatic activation, the system will be activated by a Firestat (heat) detector.

F. Electrical

1. Electrical Division to provide shunt trip breakers at main power panel, or disconnects, as designated by the Electrical Engineer; interconnection provided at hood control panel for the signal to shut down all electricity in and under the exhaust hood. Shunt trips/disconnects to accomplish shut off of electricity in the event of fire system activation by others.
2. Printed circuit board with microprocessor-based controller that provides all the necessary monitoring, timing, and supervision functions required for the reliable operation of the fire system.
3. Independent supervised loops incorporate redundancy and fault detection.
4. Real-time cloud-based monitoring connection provided with system by ownership.
5. Primary power supply, with battery backup for power loss.
6. All wiring must be in accordance to NFPA 70 and the Authority Having Jurisdiction (AHJ).
7. Electric gas valve provided for equipment below exhaust hood. Coordinate size and installation with Plumbing Division.
8. All wiring is to be in accordance with the applicable manufacturer's instructions for the fire alarm control panel, gas shut-off valve, manual reset relay, and contractor supplied shut-off devices.

PART 3- EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to installer.

3.2 APPLICATION

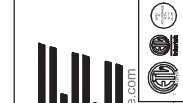
A. Wet chemical-based fire suppression system for use in commercial kitchens. It can be mounted in the integral cabinet located at the end of the hood or offered as a wall mount package.

3.3 INSTALLATION

A. As part of this item, provide wall mounted type K handheld portable fire extinguisher, placard, and mounting bracket as required in the immediate vicinity of each cooking area, per NFPA-96 and NFPA-10. Additional fire extinguishers as required in the kitchen area are to be specified by the Architect and provided by the General Contractor.
B. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.
C. Six-month and twelve-month inspections, servicing, and replacement of components as per NFPA 96 to be provided by the General Contractor or Owner.

REVISIONS

DESCRIPTION	DATE



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11/14/2022
1
No.

ISSUE FOR PERMIT
Revision/Issue

CAPTIVE
Austin Office

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CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 5

EXAMINER: PX2534PXT185LUP203PAX2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
Professional Services & Construction since 1988

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
KITCHEN EXHAUST, HOOD
AND MAKEUP AIR UNIT
DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet MC0.5

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

11/14/2022
1
No.

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RICHARD KIMBALL, P.E.
FL REG. NO. 79067

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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

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KITCHEN EXHAUST, HOOD
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Date AS NOTED
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Sheet MC0.5

FOR REFERENCE ONLY

REFER TO SEPARATE PERMIT CAPTIVE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

EXHAUST FAN INFORMATION - JOB#5486241

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU8SHFA	CAPTIVEAIRE	1800	1.200	1454	TEAO-ECM	0.750	0.5440	1	115	8.9	570 FPM	93	14.7

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
2	MUA-1	A1-15D-MPU	1	3	208-230	3 PHASE	60 HZ	14.5 AMPS	11.9 AMPS	20 AMPS	14 AWG	14

MUA FAN INFORMATION - JOB#5486241

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCOP	WEIGHT (LBS)	SONES
2	MUA-1	1	A1-15D-MPU	15MF-1-MOD	A1	1100	1440	0.500	1529	TEAO-ECM	1.000	0.5500	1	115	11.6	15.6A	25A	930	17.7

COILS - JOB#5486241

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING										HEATING									
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
				93.0°F	77.0°F	78.7°F	70.6°F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2	MUA-1	DX	1440																				

FAN OPTIONS

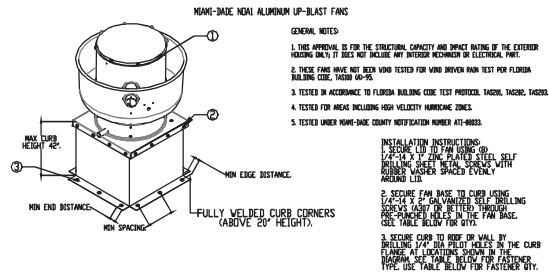
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	MIAMI DADE CERTIFICATION - NOA-1 ALUMINUM UPBLAST
2	MUA-1	1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
		1	SIZE 1 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	3 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 MUA (1,100 TO 1,800 CFM), 208V/230V, 3 PHASE, COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	INSULATED BLOWER SECTION SIZE 1-2 COMMERCIAL
		1	MOD PACKAGE UNIT AC CONTROLS FOR UNTEMPERED FANS
		1	MIXING BOX SHELL FOR SIZE 1 MOD PACKAGE UNIT CONDENSER SUPPORT
		1	SIZE 1 COOLING COIL ECOATING OPTION FOR STANDARD MPU, DX AND CHILLED WATER COILS
		1	CONDENSING UNIT LOCKING CAPS FOR SINGLE CONDENSER UNITS
		1	MIAMI DADE CERTIFICATION - NOA-2 SUPPLY
1	ECM WIRING PACKAGE - DD SUPPLY - PWM SIGNAL FROM ECM03 PREWIRE (TELCO MOTOR)		
1	2 YEAR PARTS WARRANTY		

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY		
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	MUA-1							

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	44 LBS	CURB	23,000"W X 23,000"L X 26,000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	MUA-1	69 LBS	CURB	21,000"W X 113,000"L X 20,000"H ALONG WIDTH, RIGHT INSULATED MPU CURB CLIPS.



CURB MATERIAL: 2" MIN x 1/8" x 29 GA. STEEL.
MIN. CURB HEIGHT: 8" (SEE TABLE BELOW FOR FASTENER QTY).

FAN MODEL	CURB TO FAN (WOOD)		CURB TO FAN (STEEL)		WOOD (WOOD)		STEEL (WALL)		CONCRETE (CONCRETE)		CONCRETE (WALL)	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
MODULAR	2	2	8	4	3	14	4	3	14	3	2	10

MIAMI-DADE NOA2 SUPPLY FANS

GENERAL NOTES:
 1. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXHAUST HOODING ONLY. IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
 2. THESE FANS HAVE NOT BEEN WIND TESTED FOR WIND BLOWN RAIN TEST PER FLORIDA BUILDING CODE, SECTION 60-15.
 3. TESTED IN ACCORDANCE TO FLORIDA BUILDING CODE TEST PROCEDURE, TABLE 1A203.0, TABLE 1A203.0, AND TABLE 1A203.0.
 4. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
 5. TESTED UNDER MIAMI-DADE COUNTY NOTIFICATION NUMBER AT-0904.

INSTALLATION INSTRUCTIONS:
 1. SECURE FAN BASE TO TOP OF CURB USING 1/4"-14 X 1/2" ZINC PLATED SELF-DRAWING SCREWS (AS27) OR SETTED THROUGH FAN BASE. SEE TABLE BELOW FOR QTY.
 2. SECURE CURB TO ROOF FRAMING MEMBERS BY BOLLING 1/4" DIA. PILETS IN CURB AT LOCATION SHOWN IN BOTTOM LEFT DIAGRAM. SEE TABLE BELOW FOR FASTENER TYPE AND QTY.

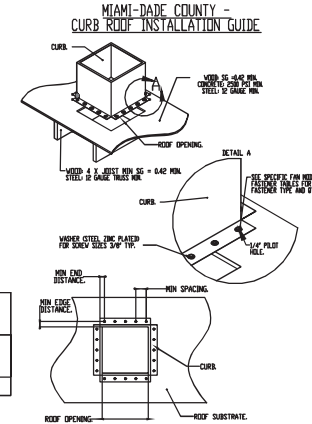
WIND SPEED: +200 / -100 PSF. LARGE MESSAGE RESISTANT.

INSTALLATION FASTENER TYPES:

FASTENER	WOOD (8G + 0.42 MIN.)		STEEL (12 GAUGE MIN.)		CONCRETE (2500 PSI MIN. CRACKED CONCRETE)	
	MINIMUM THREAD PENETRATION	MINIMUM EDGE DISTANCE	MINIMUM END DISTANCE	MINIMUM SPACING	MINIMUM THREAD PENETRATION	MINIMUM EDGE DISTANCE
FAN TO CURB	3/8" DIA. ZINC PLATED LAG BOLT	1-1/2"	1-1/2"	3"	3/8" DIA. SS HELIX KIRK BOLT 1/2" EXPANSION ANCHOR	3"

INSTALLATION FASTENER QTY:

FAN MODEL	CURB TO FAN (WOOD)		CURB TO FAN (STEEL)		WOOD (WOOD)		STEEL (WALL)		CONCRETE (CONCRETE)		CONCRETE (WALL)	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
MODULAR	2	2	8	4	3	14	4	3	14	3	2	10



NO.	DATE	DESCRIPTION
1	11/14/2023	ISSUE FOR PERMIT
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CEFCO #426 Pace, FL
 Pace, FL, 32571

DATE: 5/24/2022
 DWG.#: 5486241
 DRAWN BY: JLB-47
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 6

REVIEWED FOR CODE COMPLIANCE

Constant Code Services

EXAMINER: PX2584PX1183LP2023PAX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Project No. 170-84.00
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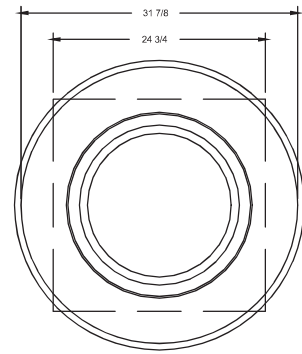
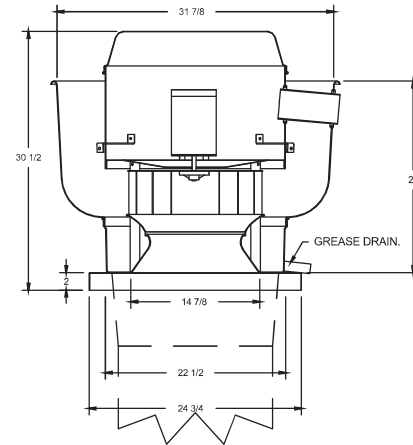
Sheet Title
KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS

Sheet No. **MC0.6**

FOR REFERENCE ONLY

REFER TO SEPARATE PERMIT CAPTIVEAIRE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

FAN #1 DUBSHFA - EXHAUST FAN (KEF-1)



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND UL-C-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST

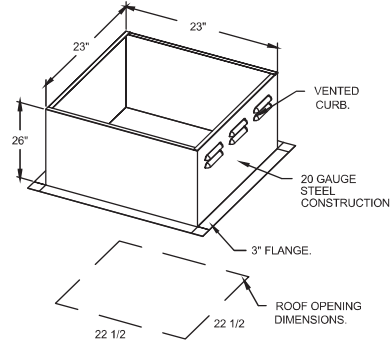
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 500°F (260°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

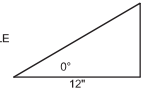
OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
- MIAMI DADE CERTIFICATION - NOA-1
- ALUMINUM UPBLAST.
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.



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DESCRIPTION	DATE



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CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 7

No.	Revision/Issue	Date
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet MC0.7

REVIEWED FOR CODE COMPLIANCE



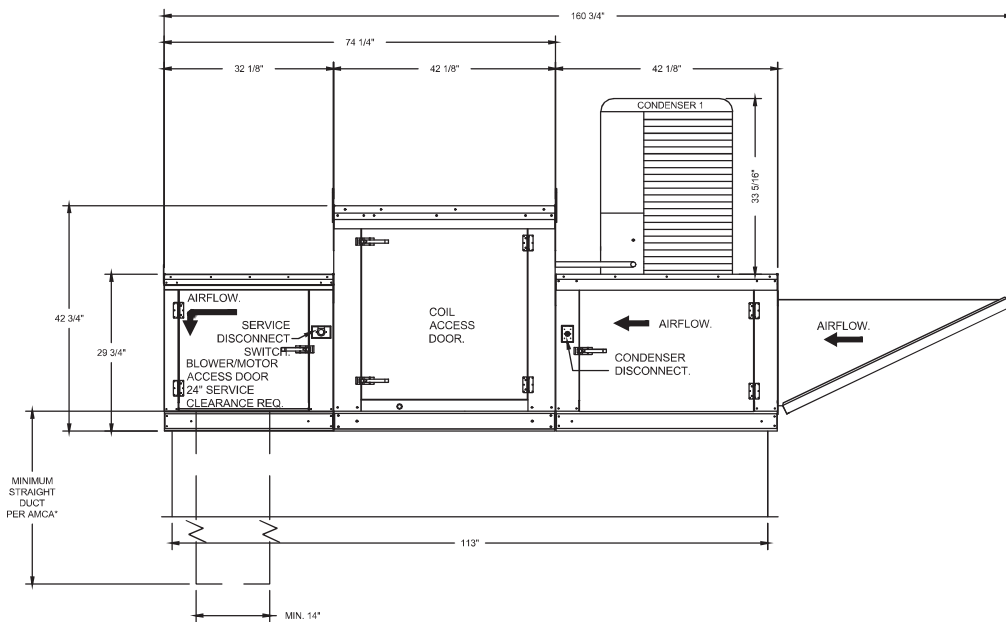
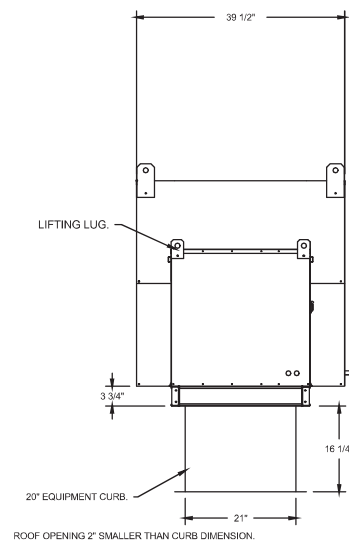
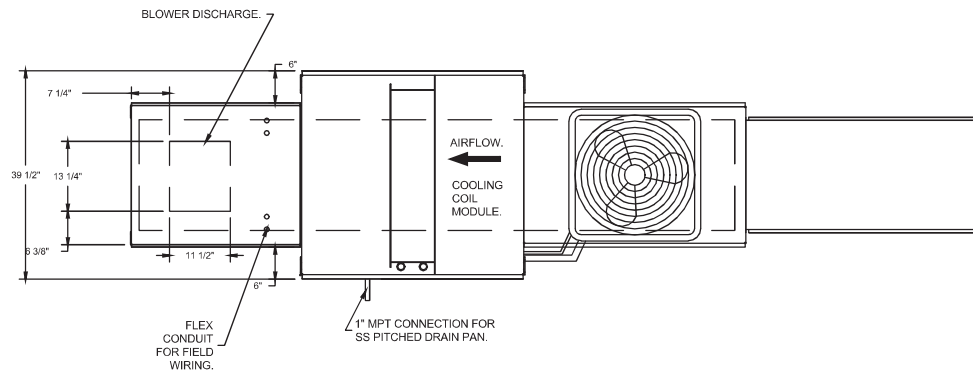
EXAMINER: PX2541PX1183LUP203PX2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

FOR REFERENCE ONLY

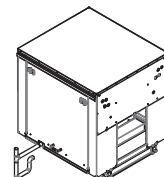
REFER TO SEPARATE PERMIT CAPTIVEAIRE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

- FAN #2 A1-150-MPU - SUPPLY FAN (MUA-1)
- SUPPLY UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN IN SIZE #1 HOUSING.
 - INTAKE HOOD WITH EZ FILTERS.
 - DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
 - DOWN DISCHARGE CONSTRUCTION FOR SIZE 1 UNTEMPERED DIRECT DRIVE AHUS.
 - 3 TON, SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (1,100 TO 1,800 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE C.L.I. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 2EZ1001N.
 - INSULATED BLOWER HOUSING SIZES 1-2 COMMERCIAL MODULAR.
 - CONTROL PACKAGE FOR HOOD PACKAGE UNIT COOLING ONLY UNIT. INCLUDES AIRFLOW PROVING SWITCH, RTULINK-ACHP BOARD AND TERMINAL BLOCKS.
 - SUPPORT SHELL FOR SIZE 1 MODULAR PACKAGE UNIT. INCLUDES CONTROL VESTIBULE. INCLUDES CONDENSER SUPPORTS. DOES NOT INCLUDE RETURN AIR OR INLET AIR DAMPER.
 - SIZE 1 COOLING COIL COATING OPTION FOR STANDARD MPU, DX AND CHILLED WATER COILS. ADDS 5-6 WEEK LEAD TIME.
 - LOCKING CAPS FOR SINGLE CONDENSER UNITS. CONSISTS OF 2 LOCKING CAPS, PART# NCP-4, AND 1 KEY, PART# NC-KEY.
 - MIAMI DADE IMPACT AND WIND LOAD CERTIFICATION +30 / -130 PSF - MIAMI DADE COUNTY PRODUCT CONTROL APPROVED. FLORIDA BUILDING CODE APPROVAL. ROOF MOUNT EXHAUST CURBS UP TO 20" HIGH MUST BE 16 GAUGE ALUMINIZED.
 - ECM WIRING PACKAGE FOR SUPPLY MOTORS WITH PWM SIGNAL FROM ECM03 PREWIRE.
 - HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
 - 2 YEAR PARTS WARRANTY.

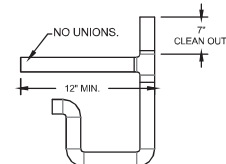
NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14".



TYPICAL DRAIN TRAP INSTALL

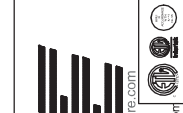


RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION



- NOTES:
- 1" DIAMETER PVC PIPE ONLY.
 - USE ONLY LOW PROFILE COUPLINGS.
 - ADD CLEAN OUT AS SHOWN.

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DATE: 5/24/2022
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DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
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SHEET NO.
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PACE, FL 32571

Sheet Title
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Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
MC0.8

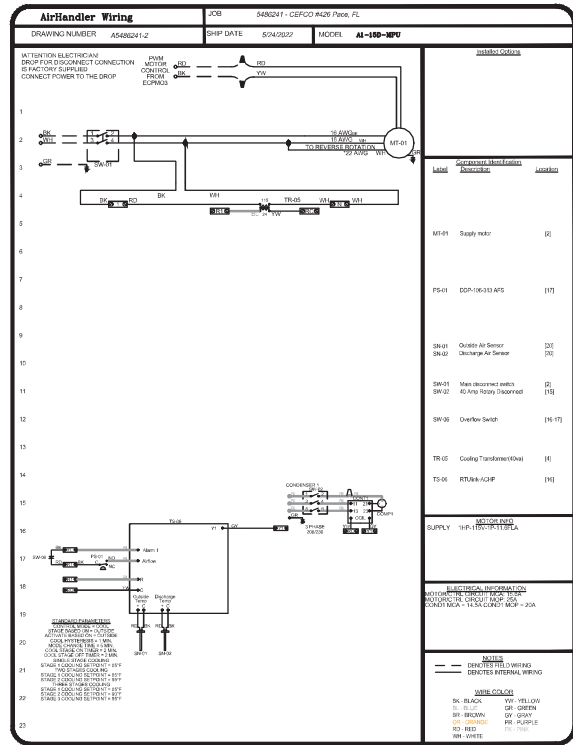
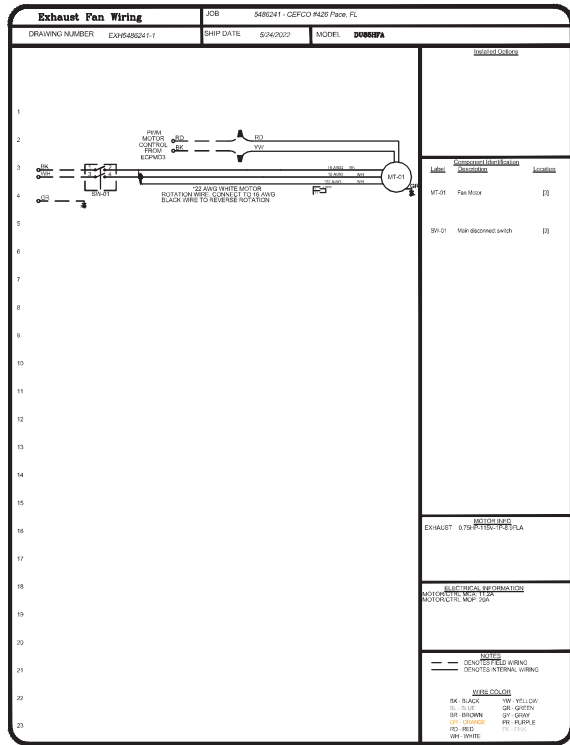
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DATE: 02/03/2023

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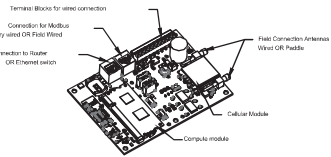
Sheet MCO.9

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ELECTRICAL PACKAGE -- JOB#5486241

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		DCV-1111	UTILITY CABINET LEFT	03-UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS DCV	KEF-1	EXHAUST	1	0.750	115	8.9
				HOOD # 1	1 FAN		MUA-1	SUPPLY	1	1.000	115	11.8

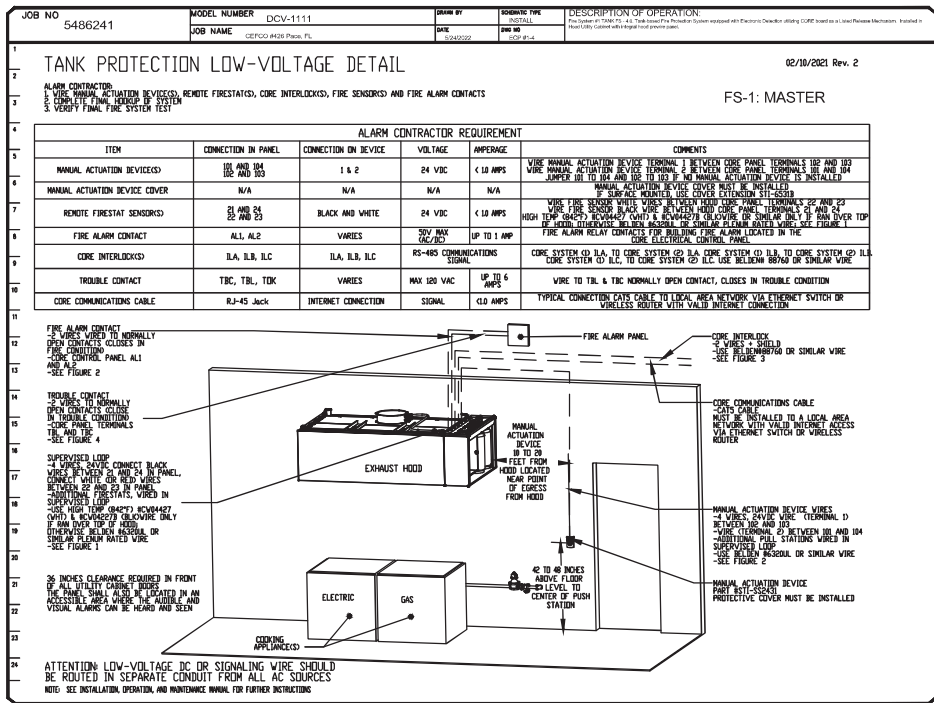
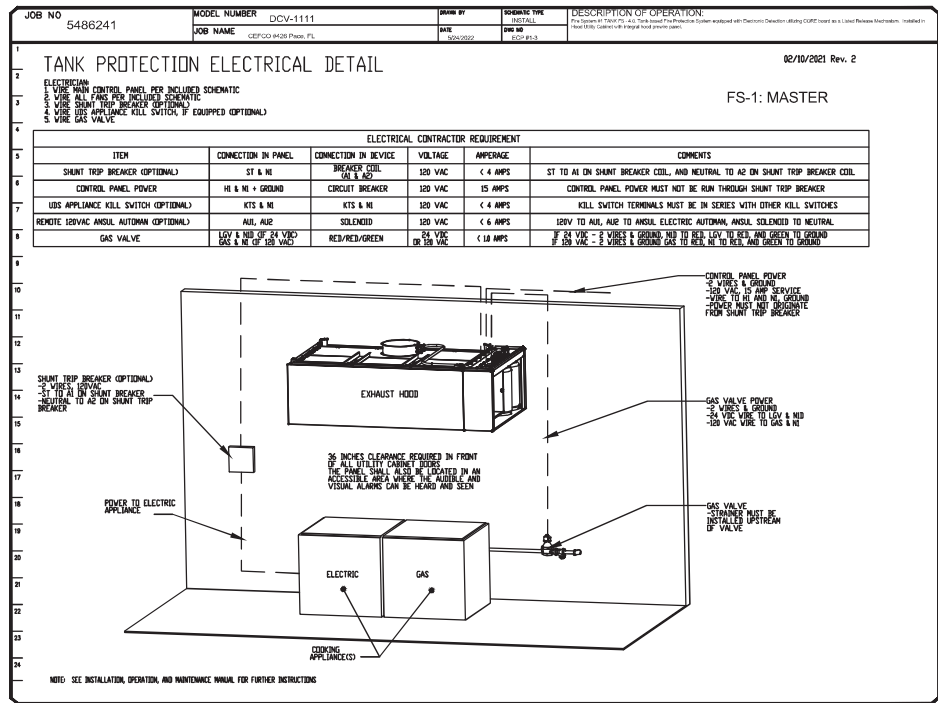
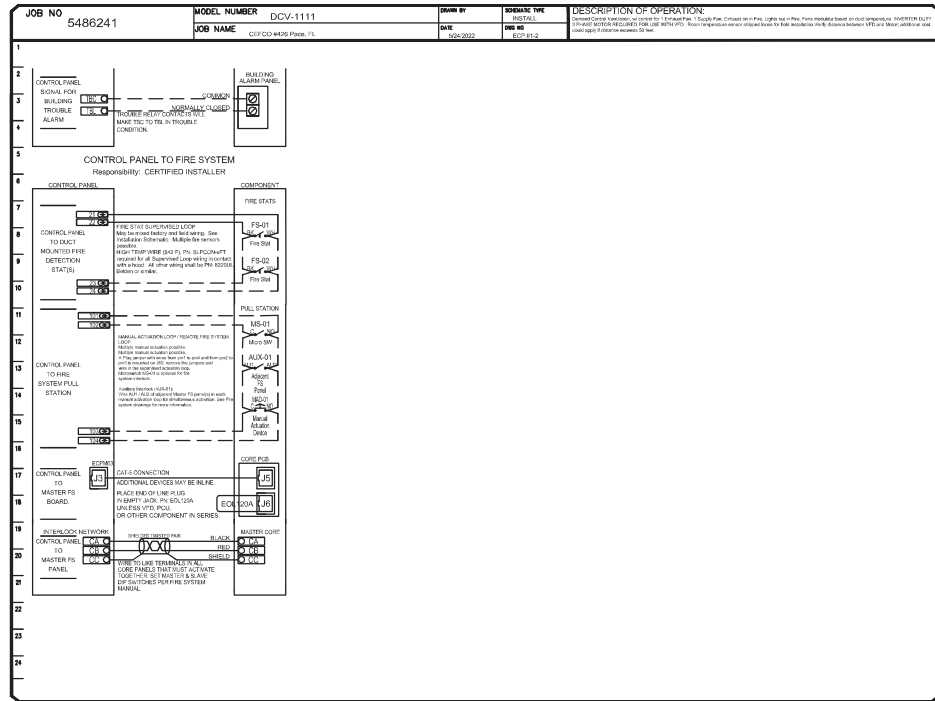
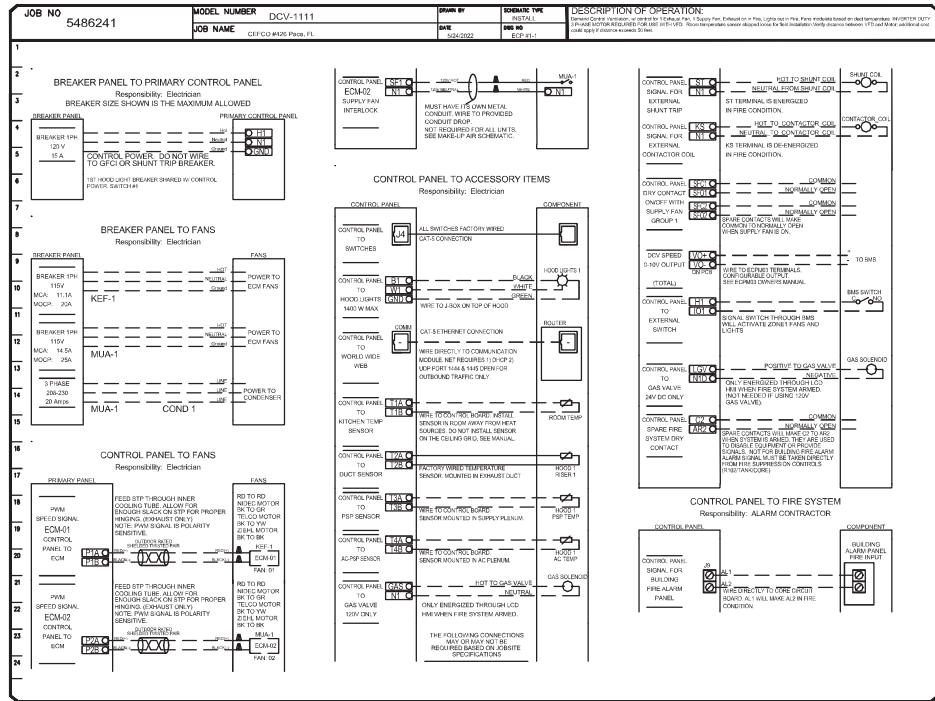


CASlink Monitor and Control

Head Control Panel to support communications to cloud-based Building Management Systems.
 Head Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
 Head Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
 Head Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

DCV Package	Function	DCV Package	Function
Room Temperature	ROOMTEMP	Room Temperature	ROOMTEMP
Draft Temperature	ROOMTEMP	Draft Temperature	ROOMTEMP
Blowdown Temperature	ROOMTEMP	Blowdown Temperature	ROOMTEMP
Blowdown RTV Discharge Temperature	ROOMTEMP	Blowdown RTV Discharge Temperature	ROOMTEMP
Fan Speed	ROOMTEMP	Exhauster Fan	ROOMTEMP
Fan Ampere	ROOMTEMP	Fan Status	ROOMTEMP
Fan Power	ROOMTEMP	Fan Status	ROOMTEMP
RTV Fan	ROOMTEMP	RTV Fan	ROOMTEMP
Exhauster Fan	ROOMTEMP	RTV Filter Chg Percentage	ROOMTEMP
Fan Status	ROOMTEMP	Fan Status	ROOMTEMP
PCV Fan	ROOMTEMP	CO2 Filt. System	ROOMTEMP
PCV Filter Chg Percentage	ROOMTEMP	Filt. Button(s)	ROOMTEMP & CONTROL
Filt. Button(s)	ROOMTEMP	Filt. Button(s)	ROOMTEMP & CONTROL
CO2 Filt. System	ROOMTEMP	Flash Button	ROOMTEMP & CONTROL
Building Pressure	ROOMTEMP		
Prep Room Pressure	ROOMTEMP & CONTROL		
Fan Status	ROOMTEMP & CONTROL		
Light Status	ROOMTEMP & CONTROL		
Flash Button	ROOMTEMP & CONTROL		



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 Constant Code Services
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 FBC CODE: 2020 FBC
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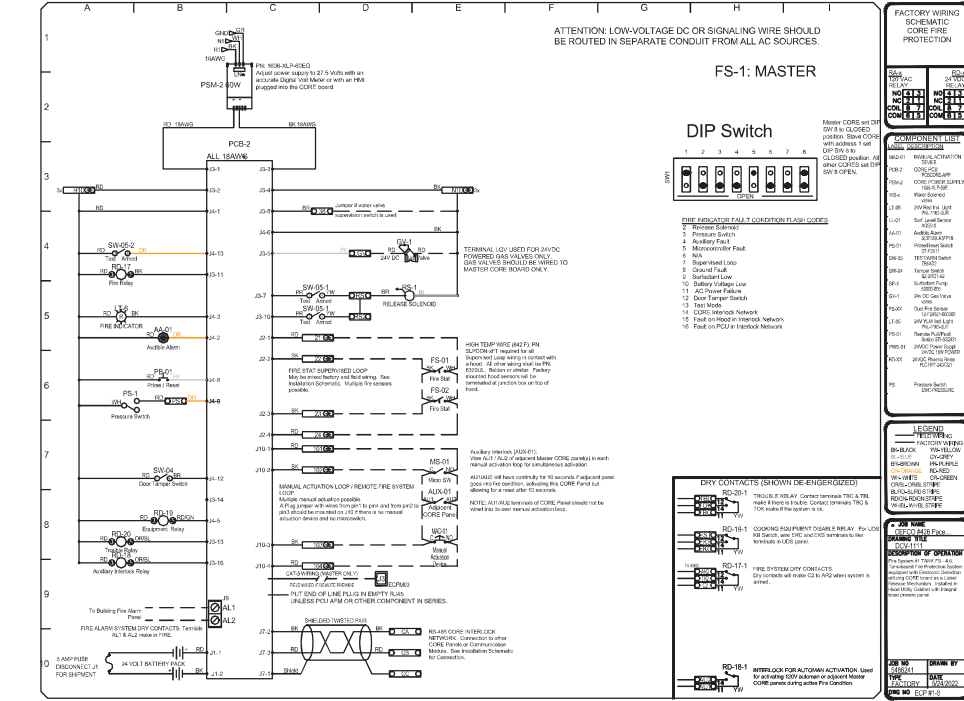
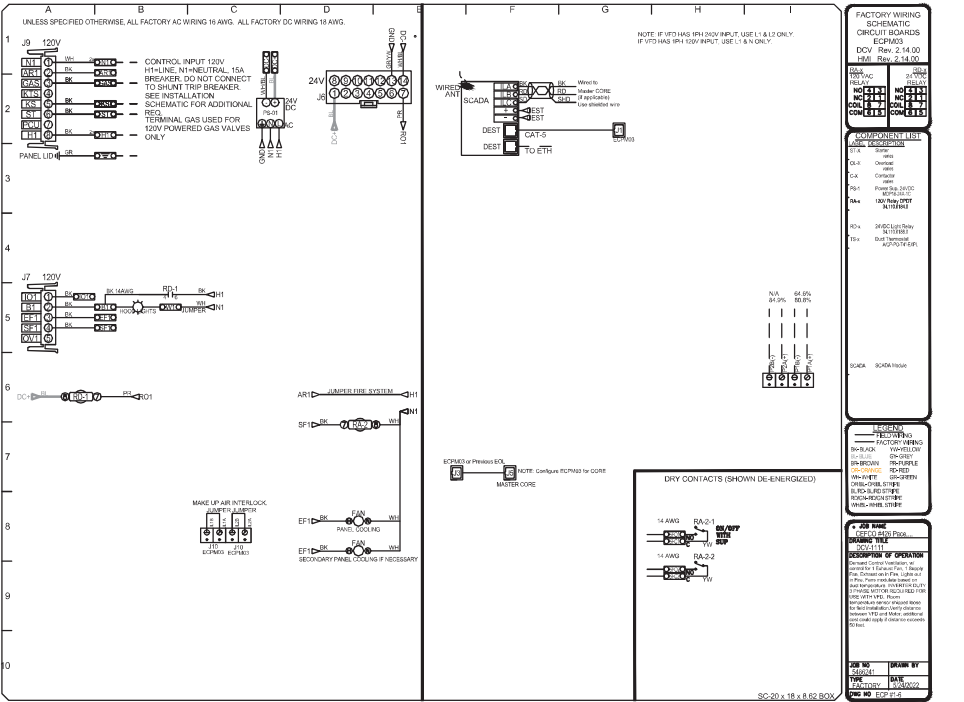
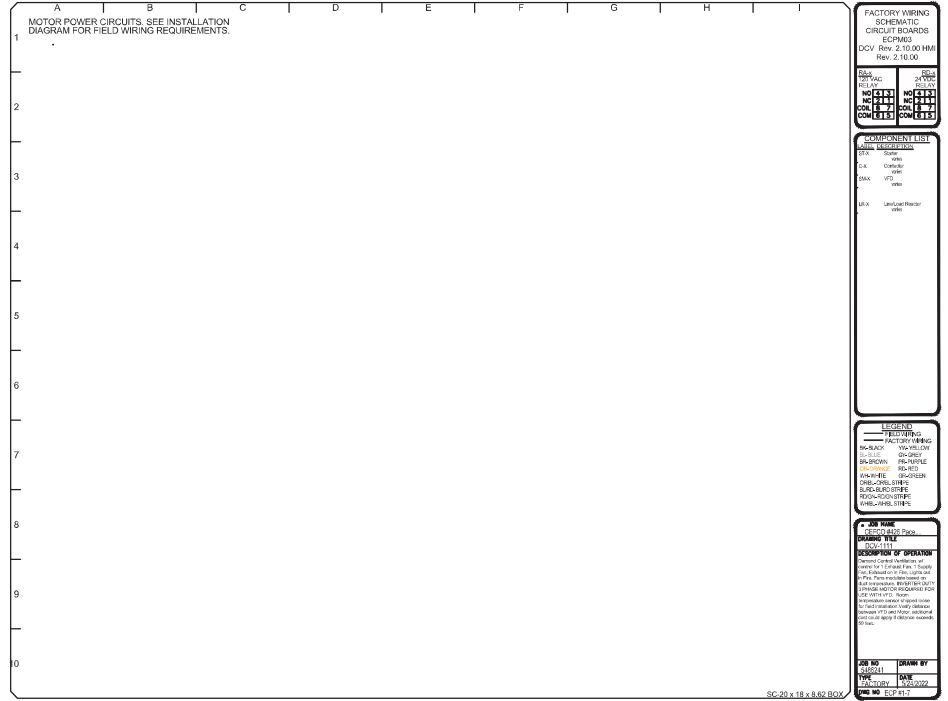
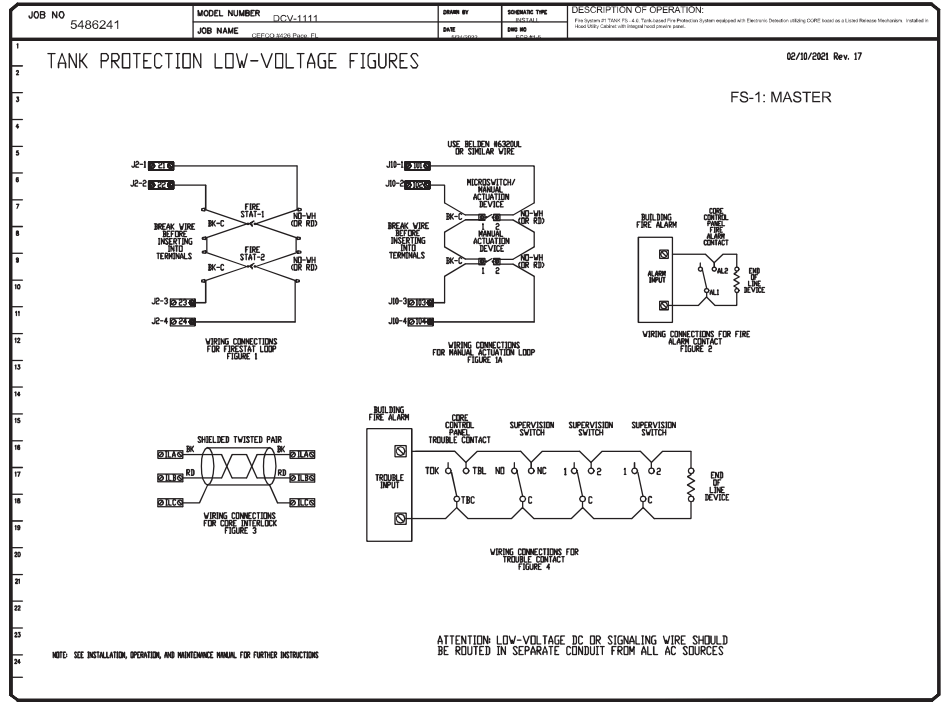
Sheet Title
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Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

Sheet
MC1.0

FOR REFERENCE ONLY

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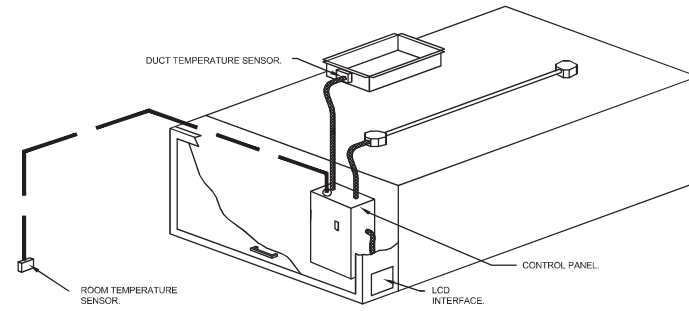
Sheet 11 of 11
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DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

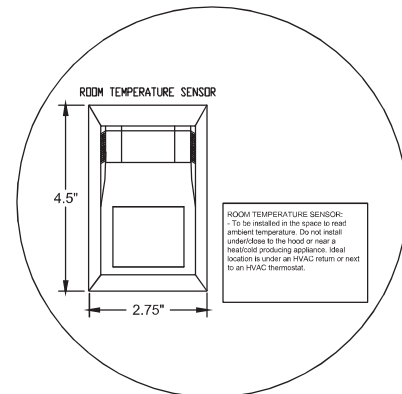
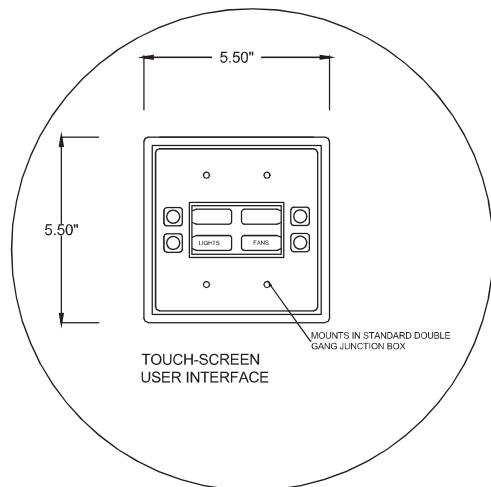
- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURN-DOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDs) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDs BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
 - ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
 - INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
 - VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
 - AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDs.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

- THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:
- **AUTOMATIC:** THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.2.8.
 - **MANUAL:** THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
 - **SCHEDULE:** A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
 - **OTHER:** THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
 - **FIRE:** UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

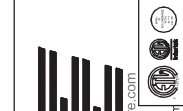


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DESCRIPTION	DATE



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11/14/2022

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1 No.

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 Pace, FL, 32571

DATE: 5/24/2022
 DWG.#: 5486241
 DRAWN BY: JLB-47
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 12

Project Name and Address	Sheet
CEFCO #426 - PACE 90 WEST SPENCER FIELD ROAD PACE, FL 32571	MC1.2

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12

FOR REFERENCE ONLY

REFER TO SEPARATE PERMIT CAPTIVEAIRE (OR EQUAL) EXHAUST FAN, HOOD, AND MAKE UP AIR UNIT PLANS FOR ADDITIONAL INFORMATION

DUCTWORK #1 PARTS - JOB#5486241 DOUBLE WALL

TAG	PART #	CFM	GPM	ZONE	COVERED BY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	
P1	DW1445DWASY-2R-S	1800				-0.0473	19.87	1683.79	1	DOUBLE WALL DUCT - 14" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.	
P2	DW1427DWAJD-2R-S	1800				-0.007	52.12	1683.79	1	DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 24.5" / ADJUSTMENT = 13.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
P3	DW1822SADKIT						7.25		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 18" OD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1822SAD, & HARDWARE BAG 4.	
P4	DW1445DWASY-2R-S	1800				-0.0675	19.87	1683.79	1	DOUBLE WALL DUCT - 14" INNER 45 DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.	
P5	DW1447DWAJD-2R-S	1800				-0.014	93.18	1683.79	1	DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
P6	ASSEMBLED WP7	DW1435DWLTP-2R-S	1800			-0.015	48.06	1683.79	1	DOUBLE WALL DUCT - 14" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.	
P7	ASSEMBLED WP6	DW2314TPDBEX	1800				8.00	1683.79	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 23" CURB TO 14" DUCT, 16 GA ALUMINIZED. USED ON NCA14FA & NCA14HPFA. TRANSITION PLATE OD IS 23.5" DESIGNED FOR USE WITH EXHAUST FAN. NON-STANDARD PART.	
SYSTEM AT P7							-1.0808	0.00			
3M-2000PLUS								0.80	2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.	
TOTAL WEIGHT								249.95			

DOUBLE WALL FACTORY BUILT DUCTWORK

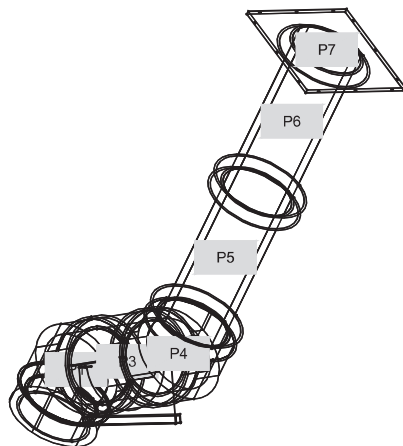
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

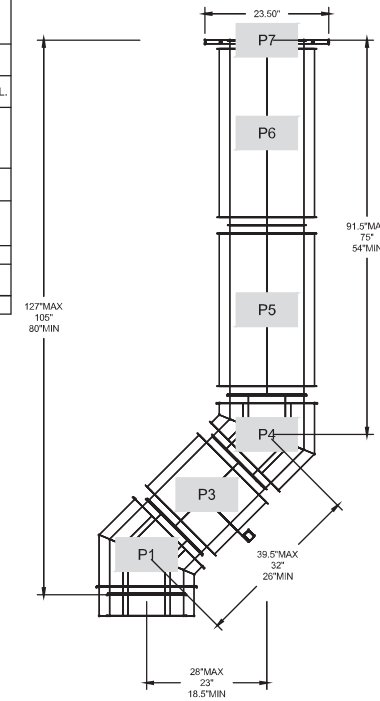
VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5'-16")	20'	24'	24'
2R (18")	18'	24'	24'
3R & 3Z (5'-24")	10'	24'	24'
3Z (26"-36")	10'	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

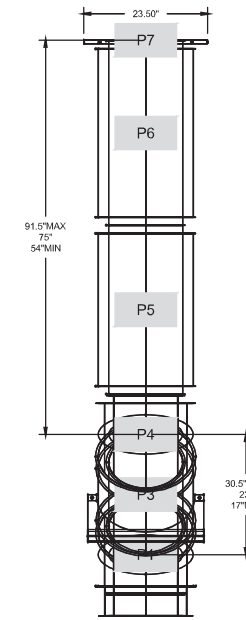
DUCTWORK #1 SE VIEW



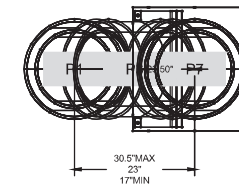
DUCTWORK #1 FRONT VIEW



DUCTWORK #1 SIDE VIEW



DUCTWORK #1 TOP VIEW



REVISIONS	
DESCRIPTION	DATE



CEFCO #426 Pace, FL
Pace, FL, 32571

DATE: 5/24/2022
DWG.#: 5486241
DRAWN BY: JLB-47
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 13

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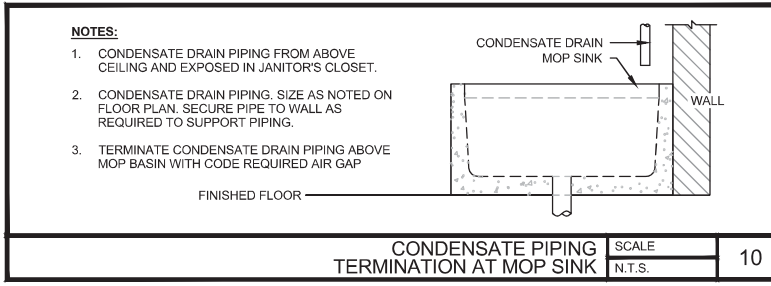
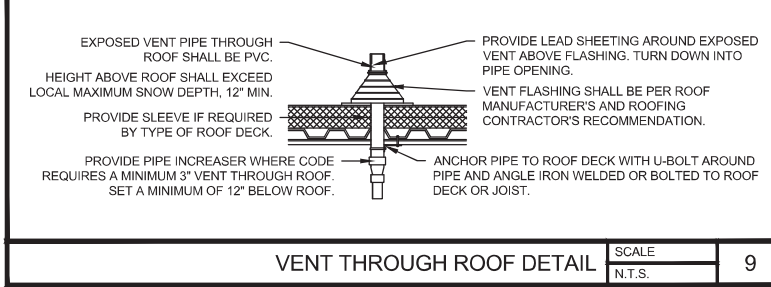
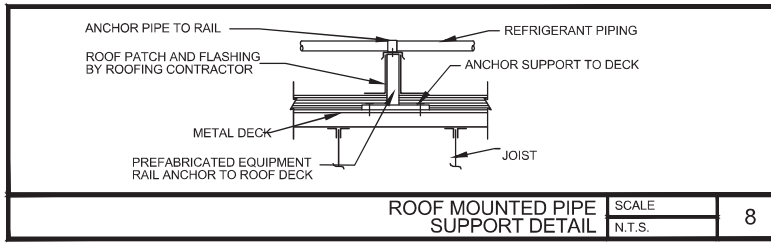
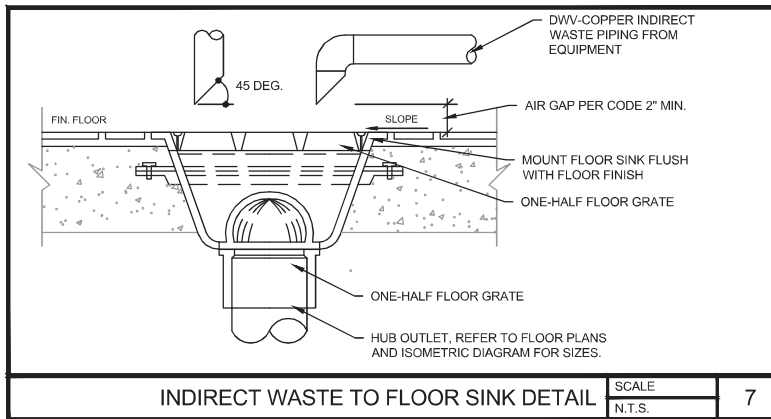
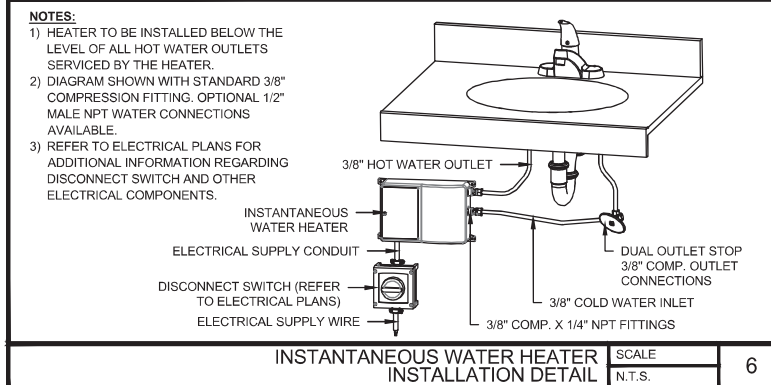
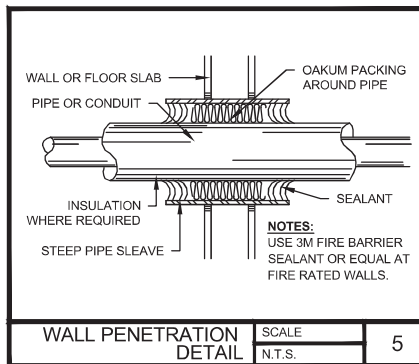
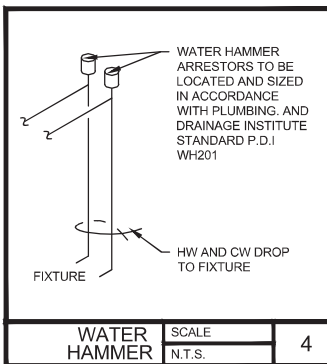
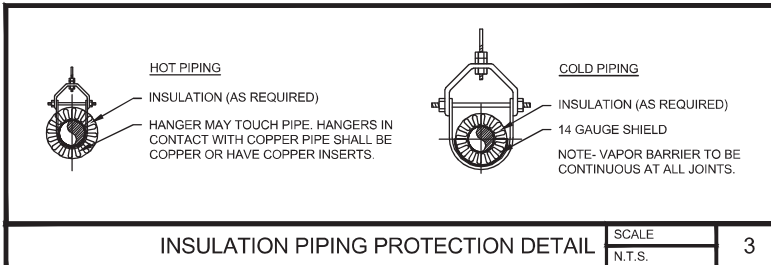
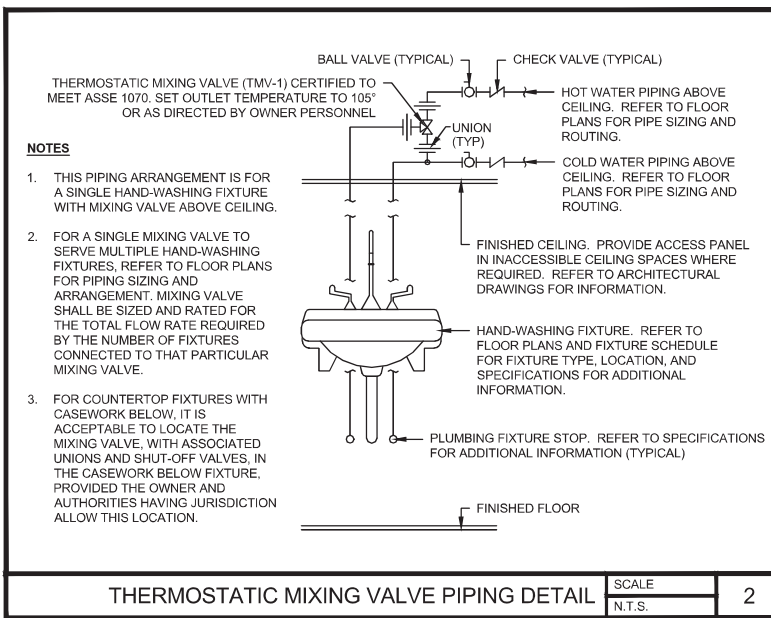
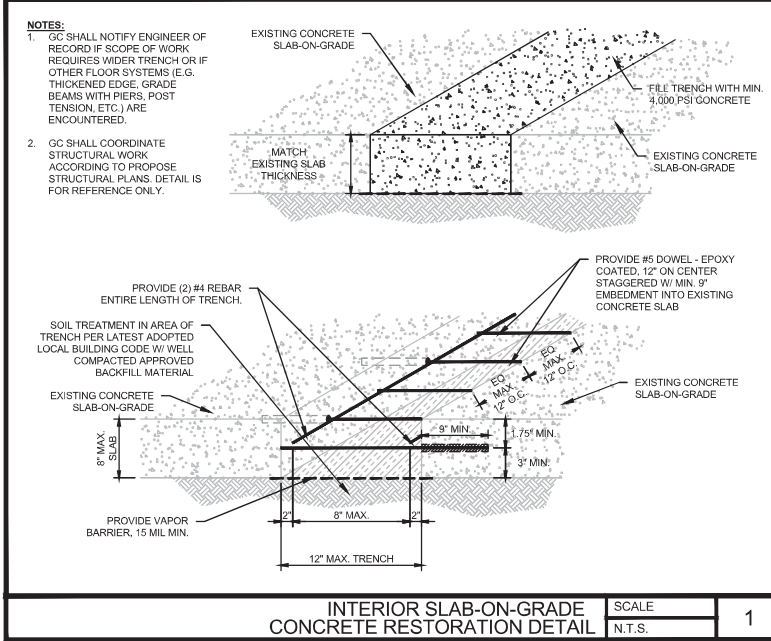
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
KITCHEN EXHAUST, HOOD AND MAKEUP AIR UNIT DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED
Sheet MC1.3



WATER HEATER SCHEDULE:

MARK	DESCRIPTION	BASIS OF DESIGN	GALLONS / GPM	MAXIMUM BTU/H	VOLT / PH / HZ	GAS CONNECTION	HOT/COLD CONNECTIONS	NOTES
GWH	GAS TANKLESS WATER HEATER	RHEEM	7.5 GPM	199,000	120/1/60	3/4"	3/4"	1-3

NOTES:
 1. PROVIDE AUTOMATIC LEAK DETECTOR SHUTOFF VALVE WITH SENSOR LOCATED IN DRAIN PAN.
 2. MOUNT WATER HEATER ABOVE MOP SINK.
 3. SET OUTLET HOT WATER TEMPERATURE TO 145°F.

PLUMBING FIXTURE SCHEDULE:

MARK	DESCRIPTION	BASIS OF DESIGN	TRIM/ACCESSORIES	CONNECTION SIZES					NOTES
				CW	HW	WASTE	TRAP	VENT	
WC-1	WATER CLOSET	ZURN Z5665-BWL-1	1.28GPF FLUSH VALVE TYPE ZEMS6000AV-HET HARDWIRED AUTOMATIC SENSOR VALVE. MAILLINE ML 1055SSC000 WHITE ELONGATED PLASTIC OPEN FRONT TOILET SEAT.	1"	-	4"	4"	2"	1-4
LAV-1	LAVATORY	SLOAN ELS-72000	2 STATION WALL MOUNTED SINK, 301PC P-TRAP, PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE, SET OUTLET TEMP TO 100° F	1/2"	1/2"	2"	2"	1-1/2"	1-4
LAV-2	LAVATORY	KOHLER K-2084	VITREOUS CHINA WALL MOUNT LAVATORY, SINGLE HOLE, POP UP DRAIN, OVERFLOW AND CHROME PLATED SUPPLY STOPS. SINGLE LEVER FAUCET KOHLER K-18027-4-CP 1.5 GPM.	1/2"	1/2"	2"	2"	1-1/2"	1-4
UR-1	URINAL	AMERICAN STANDARD 6590001.020 WWC	TOPSPUD URINAL WITH SLOAN ECOS 186 HARDWIRED-10-OR-HW 1.0 GPF FLUSHOMETER, PROVIDE EL-451 TRANSFORMER SERVING (4) URINALS, AND PROVIDE (4) 18 GAUGE WIRE FROM TRANSFORMER TO FLUSHOMETER.	3/4"	-	2"	2"	1-1/2"	1-4
HS-1	HAND SINK	ADVANCE TABCO 7-PS-EC-SP-1X	WALL MOUNTED BASE TYPE	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	1-4
HS-2	HAND SINK	EAGLE GROUP SR19-16-13.5-1	DROP IN SINK, 1-COMPARTMENT, 20"x16"x13-1/2", 18 GAUGE STAINLESS STEEL, WITH DECK MOUNTED FAUCET, SWING NOZZLE, BASKET DRAIN. PROVIDE THERMOSTATIC MIXING VALVE, SET OUTLET TEMP TO 105° F	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	1-4
FS-1	FLOOR SINK	OATEY MANUFACTURING 42721 WWC	12"x12"x8" PORCELAIN COATED CAST IRON FLOOR SINK, NO-HUB BOTTOM OUTLET, ALUMINUM DOME STRAINER, AND 3" WASTE CONNECTION	-	-	3"	3"	1-1/2"	1-4
MS-1	MOP SINK	ADVANCE TABCO 9-OP-24FM-SSR	FLOOR MOUNTED MOP SINK. FAUCET: ADVANCE TABCO, K-240, SERVICE SINK FAUCET.	1/2"	1/2"	3"	3"	1-1/2"	1-4
3CS-1	THREE COMP SINK	POWERSOAK CUSTOM	POT AND PAN WASHER	1/2"	1/2"	3"	3"	1-1/2"	1-4
FD-2	FLOOR DRAIN	SIoux CHIEF 832-36PF WWC	FLOOR DRAIN WITH HUB ADAPTOR	-	-	3"	3"	1-1/2"	-
RH-1	ROOF HYDRANT	WATTS HY900	NON-FREEZE ROOF HYDRANT WITH 3/4" INLET FEMALE THREADED INLET CONNECTION, ROUTE 1/8" DRAIN LINE TO NEAREST FLOOR SINK	3/4"	-	1/8"	-	-	-
FCO	FLOOR CLEAN OUT	834-4HR WWC	SIoux CHIEF 834 SERIES, ON-GRADE ADJUSTABLE CLEANOUT. SIZE CONNECTION TO PIPE, RING & COVER; ROUND NICKEL-BRONZE	-	-	-	-	-	-
TD-1	TRENCH DRAIN	ZURN Z893	STAINLESS STEEL FLOOR RECEPTOR WITH BAR GRATE, 36"x36"	-	-	3"	-	-	1
HB-1	HOSE BIBB	WOODFORD 24P3/4 WWC	ANTI-SIPHON WALL FAUCETS, MODEL 24/B24-P-3/4 INLET, 3/4" FPT. MAX PRESSURE: 125 PSI. MAX TEMP: 120° F	1/2"	-	-	-	-	1

- NOTES:**
 1. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING POSITION OF FIXTURES.
 2. FAUCET HOLES TO MATCH FAUCET SPECIFIED.
 3. FIXTURE ASSEMBLY MUST BE APPROVED BY AND INSTALLED PER ADA REQUIREMENTS.
 4. PROVIDE INSULATION KIT ON ALL ADA FIXTURES EXPOSED SUPPLIES AND DRAIN TRAP WITH TRUBRO LAV-GUARD IN WHITE.
 * BASIS OF DESIGN PRODUCTS ARE INDICATED FOR REFERENCE ONLY. COMPARABLE PRODUCTS WILL BE ACCEPTED PROVIDED COMPLIANCE WITH TECHNICAL SPECIFICATION REQUIREMENTS.

FIXTURE UNIT LOAD VALUES:

FIXTURE TYPE	OCCUPANCY	CONTROL TYPE	QTY.	FIXTURE UNITS		
				DRAINAGE	WATER SUPPLY	TOTAL
FLOOR DRAIN	PRIVATE / PUBLIC	TRAP PRIMER	2	2.0	0.0	0.0
KITCHEN SINK	PRIVATE	FAUCET	4	2.0	1.0	1.4
LAVATORY	PUBLIC	FAUCET	4	1.0	1.5	2.0
SERVICE SINK	OFFICES	FAUCET	1	2.0	2.25	3.0
URINAL (GPF>1.0)	PUBLIC	1" FLUSH VALVE	3	4.0	5.0	5.0
WATER CLOSET (1.6GPF)	PUBLIC	FLUSH VALVE	6	4.0	10.0	10.0
HOSE BIB	PRIVATE	3/4" VALVE	1	0.0	0.75	0.75
ROOF HYDRANT	PRIVATE	3/4" VALVE	1	0.0	0.75	0.75
THREE COMP SINK	PRIVATE	FAUCET	1	6	2.25	3
TOTAL FIXTURE UNIT LOAD VALUES				60	106	111.1
CORRESPONDING INTERMITTENT USE (GPM)				-	61.2	64.3
MINIMUM CORRESPONDING MAIN PIPE SIZE (INCHES)				4"	2"	1"

NOTES:
 1. DRAINAGE FIXTURE UNITS BASED ON FLORIDA PLUMBING CODE TABLE 709.1. WATER SUPPLY FIXTURE UNITS BASED ON UNIFORM PLUMBING CODE TABLE E103.3(2).
 2. ITEMS IN GRAY ARE EXISTING TO REMAIN OR OUT OF SCOPE OF WORK.
 3. CORRESPONDING DOMESTIC WATER PIPE SIZES ARE BASED OFF OF ASSUMED AVERAGE PRESSURE OF ABOUT 5FT/SEC FLOW VELOCITY.

GREASE INTERCEPTOR SIZING:

(1) 3 COMPARTMENT SINK
 EA. BASIN IS 16"x20"x12"
 (2) HAND SINK-1 (X3)
 BASIN IS 14"x10"x5"
 (3) HAND SINK-2 (X1)
 BASIN IS 20"x16"x13-1/2"
 (4) MOP SINK
 BASIN IS 24"x21"x10"

(1) GAL./MIN. CALCULATIONS FOR 3 COMP. SINK
 [16x20x12] [3] = 11,520 C.I.
 [11,520 C.I.] [1.75] = 8,640 C.I.
 [8,640] / [231] = 37.4 GAL/MIN.

(2) GAL./MIN. CALCULATIONS FOR HAND SINK-1
 [14x10x5] [3] = 2,100 C.I.
 [2,100 C.I.] [1.75] = 1,575 C.I.
 [1,575] / [231] = 6.82 GAL/MIN.

(3) GAL./MIN. CALCULATIONS FOR HAND SINK-2
 [20x16x13.5] [3] = 4,320 C.I.
 [4,320 C.I.] [1.75] = 3,240 C.I.
 [3,240] / [231] = 14.1 GAL/MIN.

(4) GAL./MIN. CALCULATIONS FOR MOP SINK
 [24x21x10] [3] = 5,040 C.I.
 [5,040 C.I.] [1.75] = 3,780 C.I.
 [3,780] / [231] = 16.4 GAL/MIN.

TOTAL FLOW = 74.7 GAL./MIN. FLOW RATE
 TOTAL CAPACITY = 74.7GPMX10(RETENTION TIME)
 = 747 GALLONS
 PROVIDE 1000 GAL GREASE TRAP.
 *CALCULATED WITH RETENTION TIME OF 10 MINS.

INSTANTANEOUS WATER HEATER SCHEDULE:

TAG	DESCRIPTION	PRODUCT		FLOW RATE	ELECTRICAL	WATER
		MFR.	MODEL			
IWH-2	INSTANTANEOUS POINT OF USE WATER HEATER	EEMAX	ACCUMIX AM010240T	0.5 GPM	7.5	208/1/60 3/8" 105°F
IWH-3	INSTANTANEOUS POINT OF USE WATER HEATER	EEMAX	ACCUMIX AM0005240T	0.5 GPM	3.6	208/1/60 3/8" 105°F
IWH-5	INSTANTANEOUS POINT OF USE WATER HEATER	EEMAX	PROSERIES PR008240	4.8 GPM	5.8	208/1/60 1/2" 105°F

NOTES: 72°F COLD WATER TEMPERATURE USED FOR CALCULATIONS
 1. DYNAMIC OPERATING PRESSURE; MINIMUM 30 PSI AND MAXIMUM 150 PSI.
 2. UNIT SHALL HAVE ABS-UL 94 5VA RATED COVER AND ALLOW MOUNTING IN ANY DIRECTION.
 3. ELEMENT SHALL BE REPLACEABLE CARTRIDGE INSERT AND SHALL HAVE REPLACEABLE FILTER IN THE INLET CONNECTOR.

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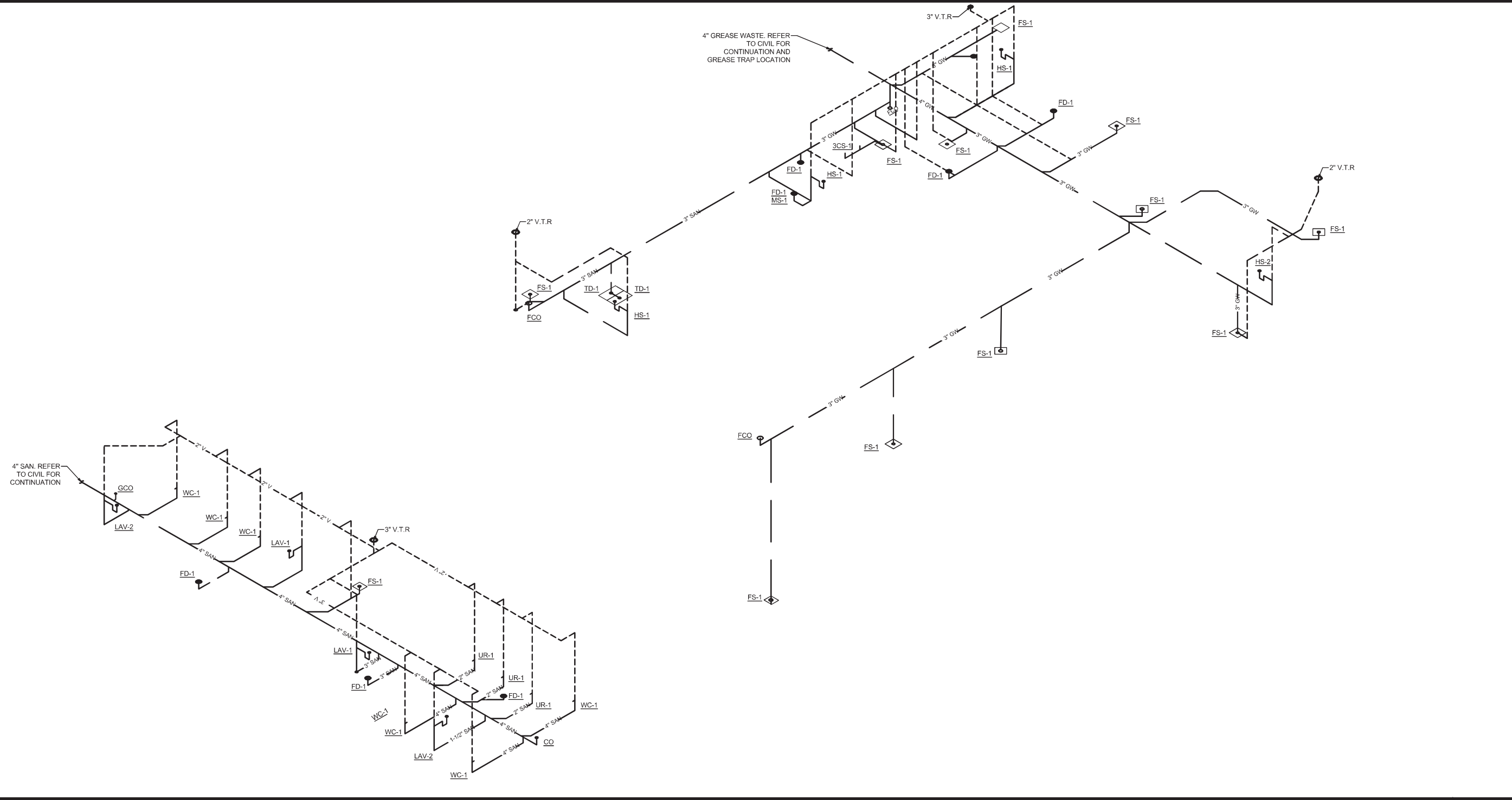
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENGLER FIELD ROAD
 PACE, FL 32571

Project No. 170-84.00
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Sheet Title
PLUMBING DETAILS AND SCHEDULES

Sheet
P0.2

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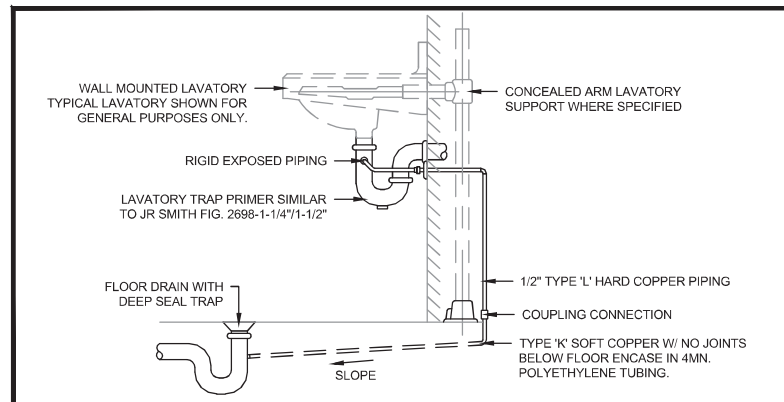


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LAVATORY TRAP PRIMER DETAIL
SCALE: N.T.S. 1

MIN. SIZES AND MAX. FLOW RATES OF FIXTURE WATER SUPPLY PIPES:

FIXTURE (1)	MIN. PIPE SIZE (INCH)	MAX. FLOW RATE
HOSE BIBBS	1/2	-
KITCHEN SINK (2)	1/2	2.2 GPM
LAVATORY (PUBLIC)	3/8	0.5 GPM
SINKS, SERVICE	1/2	-
URINAL, FLUSHOMETER VALVE	3/4	1.0 GPM
WATER CLOSET, FLUSHOMETER VALVE	1	1.6 GPF

NOTES:
 1. TABLE INFORMATION GATHERED FROM 2018 INTERNATIONAL PLUMBING CODE TABLE 604.5
 2. WHERE THE DEVELOPED LENGTH OF THE DISTRIBUTION LINE IS 50 FEET OR LESS, AND THE AVAILABLE PRESSURE AT THE METER IS 35 PSI OR GREATER, THE MINIMUM SIZE OF AN INDIVIDUAL DISTRIBUTION LINE SUPPLIED FROM A MANIFOLD AND INSTALLED AS PART OF A PARALLEL WATER DISTRIBUTION SYSTEM SHALL BE ONE NOMINAL TUBE SIZE SMALLER THAN THE SIZES INDICATED.

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/15/2023

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
PLUMBING ISOMETRIC DIAGRAMS - SANITARY & VENT

Project No.
 170-84.00

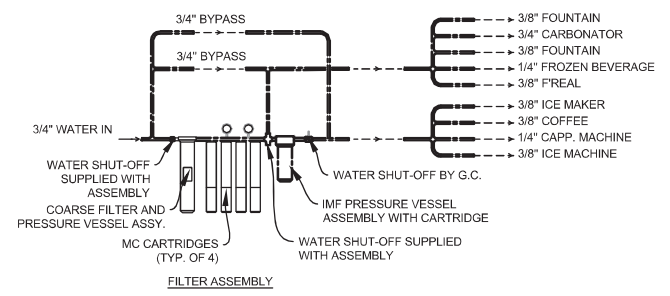
Date
 AS NOTED

Scale
 AS NOTED

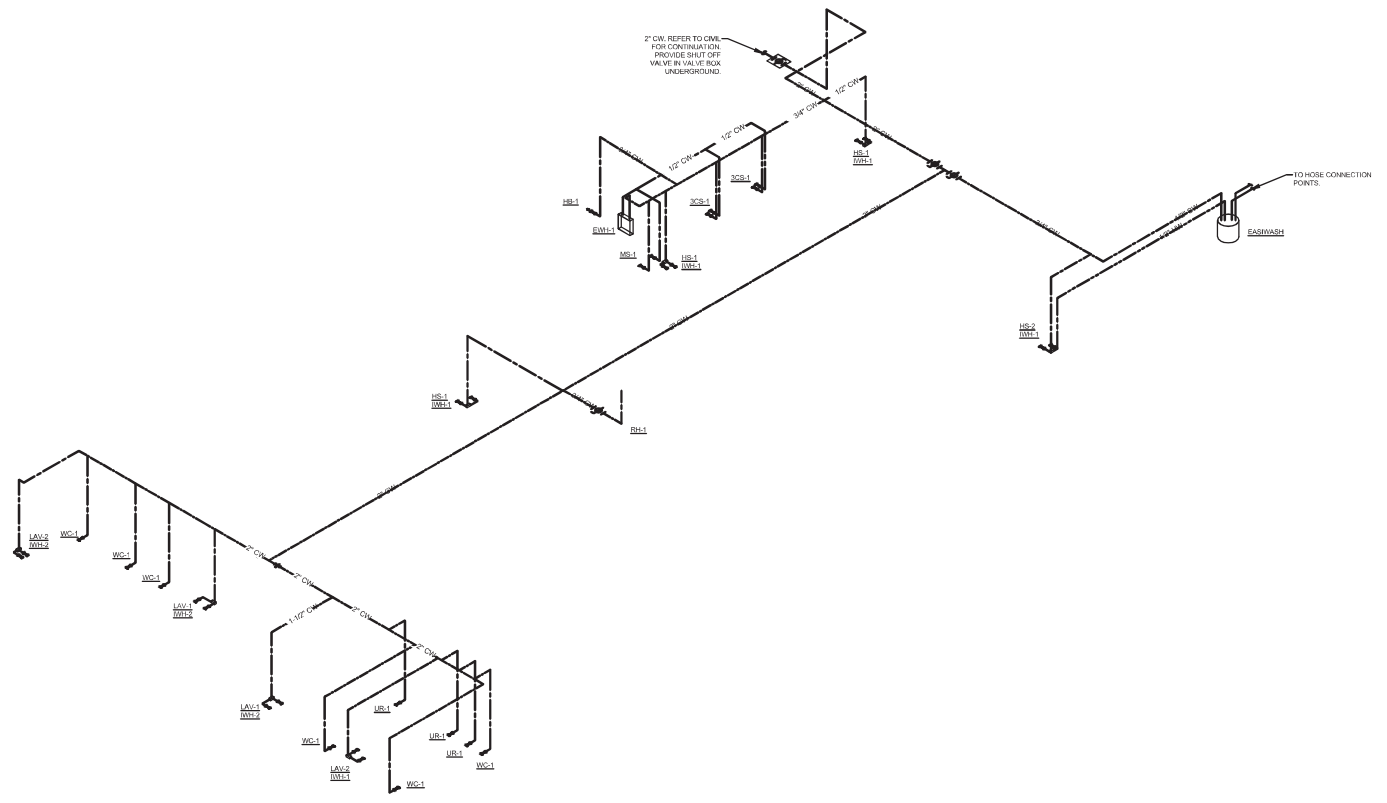
Sheet
P0.3

NOTE:
PLUMBING CONTRACTOR TO PROVIDE WATTS MODEL SD-3 BACKFLOW PREVENTER FOR EACH EQUIPMENT WITH FILTERED WATER CONNECTION.

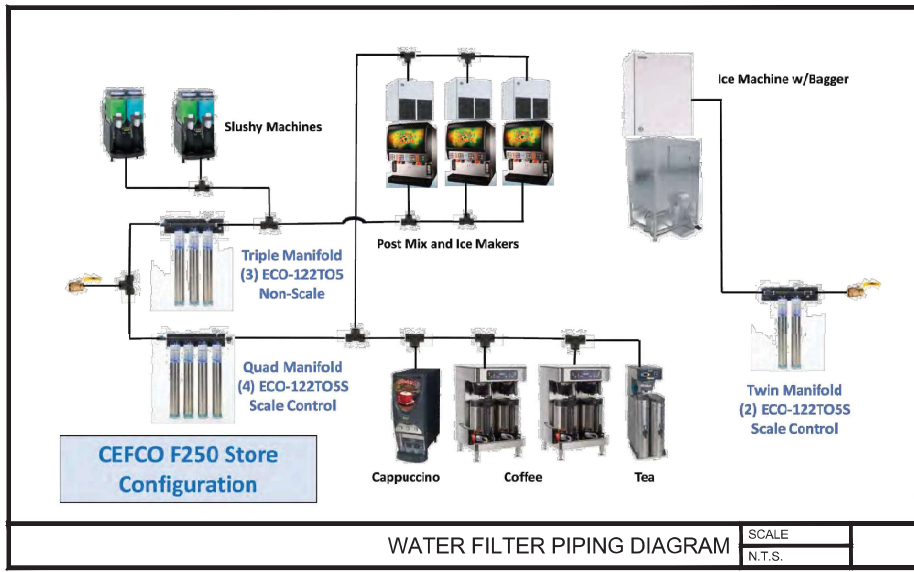
NOTE:
TYPICAL PIPING CONFIGURATION. ACTUAL PIPING CONFIGURATION MAY DIFFER DEPENDING ON EQUIPMENT INSTALLED.



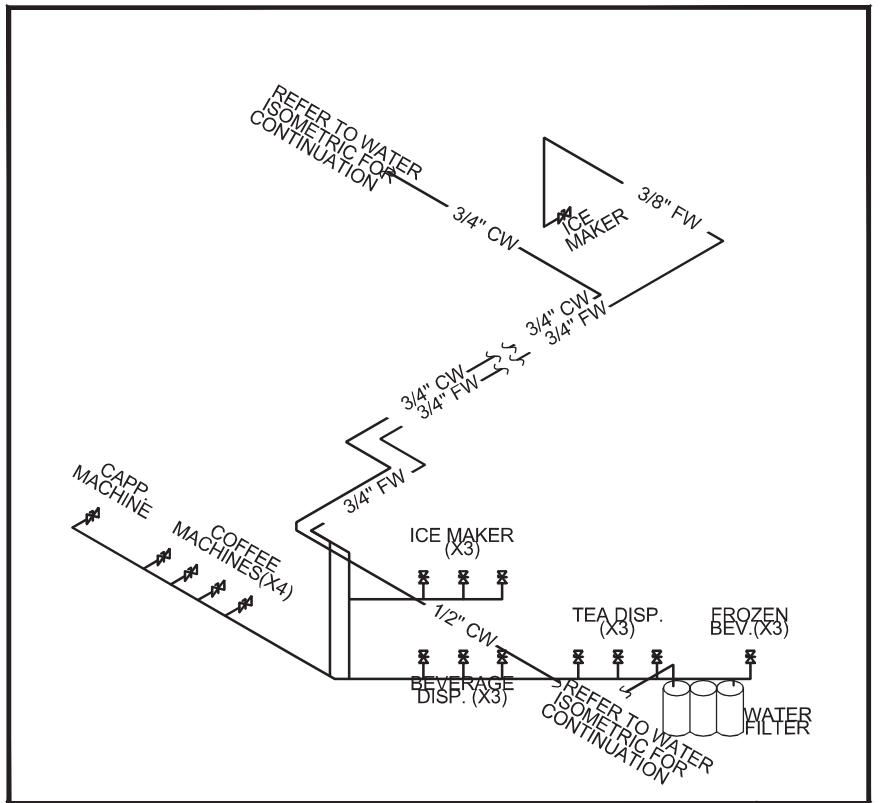
WATER FILTER PIPING DIAGRAM
SCALE: NTS



PLUMBING DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"



WATER FILTER PIPING DIAGRAM
SCALE: N.T.S.



PLUMBING FILTERED WATER PLAN
SCALE: NTS

REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
EXAMINER: P2654MPX1183L P263DPX2108
FBC CODE: 2020 FBC
DATE: 02/03/2023

1	1/15/2023	Date
1	ISSUE FOR PERMIT	Revision/Issue



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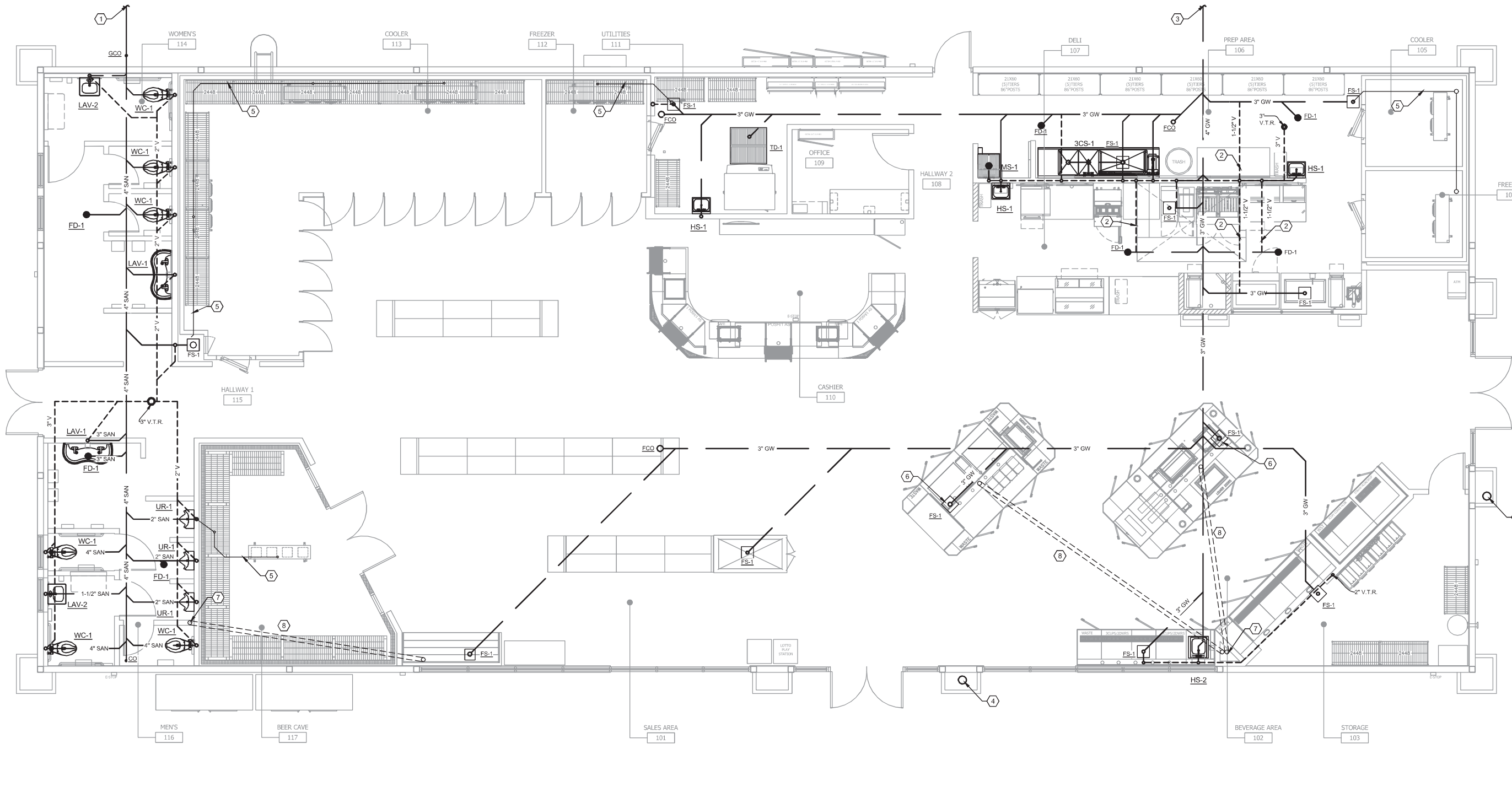
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
PLUMBING ISOMETRIC DIAGRAMS - DOMESTIC WATER

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet P0.4



PLUMBING SANITARY PLAN SCALE 1/4" = 1'-0"

PLAN SHEET NOTES:

- ① 4" SANITARY PIPING. REFER TO CIVIL FOR CONTINUATION
- ② 1-1/2" VENT PIPING UNDERGROUND.
- ③ 4" GREASE WASTE PIPING TO GREASE INTERCEPTOR. REFER TO CIVIL FOR GREASE INTERCEPTOR LOCATION.
- ④ CONTRACTOR TO CONNECT 4" PVC DRAINAGE PIPE FOR AWNING WHICH WILL CONNECT TO THE STORM DRAINAGE THROUGH THE TOWER. PROTECT DRAIN PIPE ENTRY WITH AN APPROVED MESH. VERIFY WITH OWNER. SEE CIVIL AND ARCHITECTURAL FOR ADDITIONAL INFORMATION.
- ⑤ 3/4" CONDENSATE FROM FREEZER EVAPORATOR. DRAIN TO NEAREST FLOOR SINK OR AS SHOWN ON PLAN WITH AIR GAP FITTING.
- ⑥ ROUTE CONDENSATE FROM EQUIPMENT TO FLOOR SINK.
- ⑦ REFRIGERANT LINE CONDUIT TO 12" ABOVE FLOOR SLAB. ROUTE REFRIGERANT PIPING UP THRU ROOF. PROVIDE INSULATED ROOF PENETRATION CURB WITH WEATHER CAP.
- ⑧ UNDER FLOOR REFRIGERANT LINE CHASE. 4" PVC INSTALLED WITH LONG RADIUS SWEEPS (MINIMUM 24" R.). BED PIPE IN 4" GRAVEL. INSTALL WITH MINIMUM NUMBER OF JOINTS POSSIBLE.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2554PFX1183LPLP203PFX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

Date	1/14/2023
Revision/Issue	1
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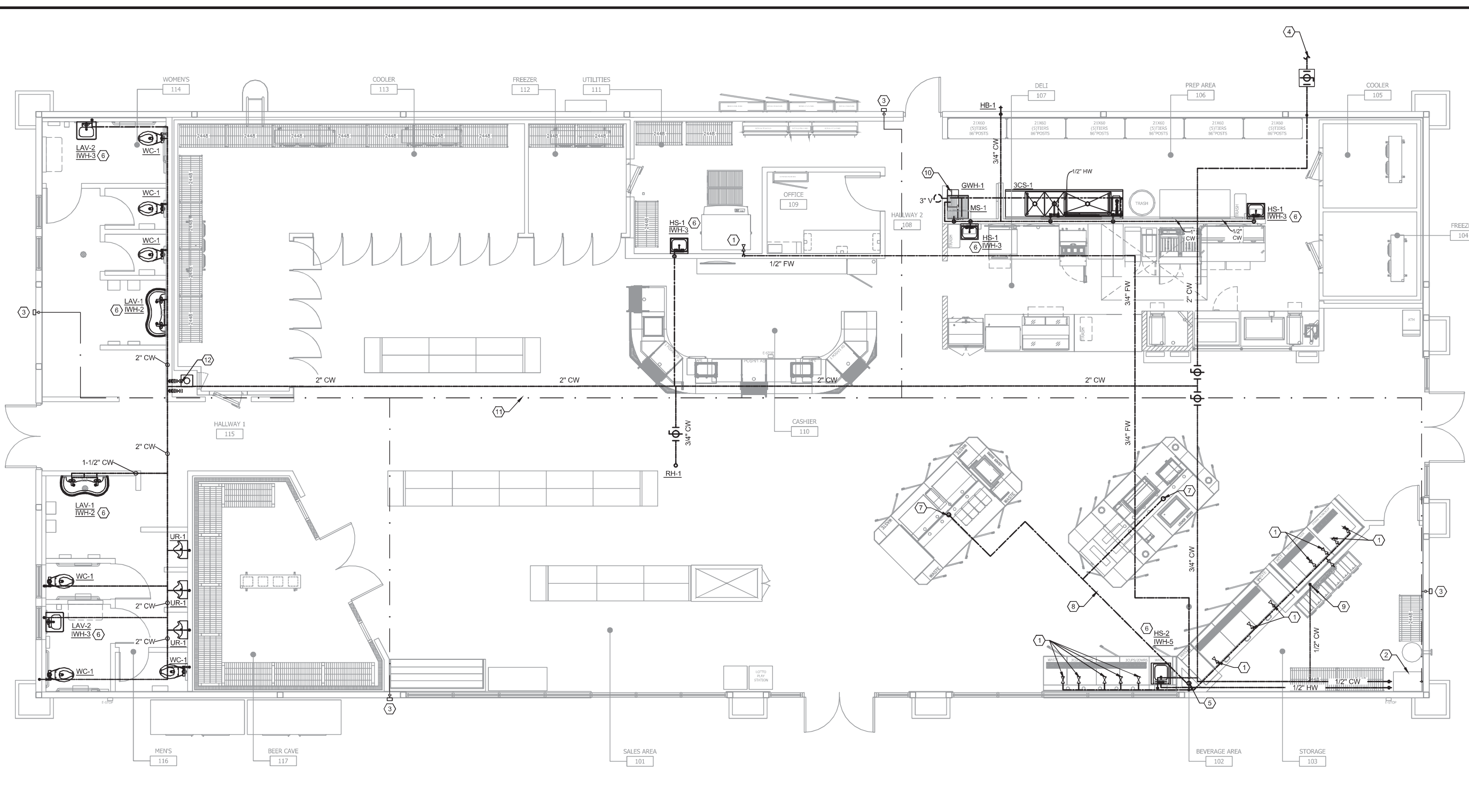
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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
PLUMBING PROPOSED PLAN - SANITARY & VENT

Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

Sheet **P1.0**



PLUMBING DOMESTIC WATER PLAN SCALE 1/4" = 1'-0"

PLAN SHEET NOTES:

- ① PLUMBING CONTRACTOR TO PROVIDE RPZ BACKFLOW PREVENTER OUTSIDE MAIN SERVICE LINE, FOR EACH ICE MACHINE AND WATER FILTER INDIVIDUALLY. PROVIDE WATTS MODEL SD-3 BACKFLOW PREVENTER FOR BEVERAGE AND TEA/COFFEE DISPENSERS INDIVIDUALLY. CONTRACTOR TO ENSURE DOUBLE CHECK VALVES (SD-3S) AT EACH BEVERAGE EQUIPMENT LOCATION.
- ② INSTALL EASIWASH SYSTEM PER MANUFACTURER'S INSTRUCTIONS. ROUTE HIGH PRESSURE LINES THRU 2" SCHEDULE 40 PVC WITH LONG RADIUS SWEEP ABOVE CEILING TO HOSE CONNECTION POINTS ON EXTERIOR WALL. REFER TO ARCHITECTURAL EQUIPMENT PLAN FOR ADDITIONAL INFORMATION.
- ③ CONNECT INCOMING HIGH PRESSURE WATER LINE WITH HIGH PRESSURE HOSE AND FREEZE RESISTANT BALL VALVE.
- ④ 2" CW PIPING. REFER TO CIVIL FOR CONTINUATION AND WATER METER LOCATION. PROVIDE LOCKABLE VALVE BOX UNDERGROUND.
- ⑤ 4" PVC REFRIGERANT LINE CHASES AT FLOOR. ROUTE REFRIGERANT LINES UP TO CONDENSING UNIT LOCATED ON ROOF. RUN REFRIGERANT PIPING SUCH THAT MANUFACTURERS MAXIMUM REFRIGERANT PIPE LENGTHS ARE MAINTAINED.
- ⑥ INSTANTANEOUS WATER HEATER INSTALLED UNDERNEATH SINK. REFER TO DETAIL FOR MORE INFORMATION.
- ⑦ PROVIDE 3/4" CW STUB-UP FOR FUTURE USE.
- ⑧ 3/4" FILTERED CW PIPING UNDER SLAB.
- ⑨ 1/2" CW PIPING ROUTED TO WATER FILTER. REFER TO ARCHITECTURAL FOR EXACT LOCATION AND SPECIFICATIONS.
- ⑩ TANKLESS GAS WATER HEATER INSTALLED ABOVE MOP SINK. INSTALL PER MANUFACTURERS RECOMMENDATIONS. CONNECT 3/4" CW, 3/4" HW, AND 3/4" NATURAL GAS. PROVIDE 3" PVC DIRECT VENT AS PER MANUFACTURERS RECOMMENDATIONS..
- ⑪ 2" SCHEDULE 40 PVC CONDUIT FOR HIGH PRESSURE SERVICE LINE WITH LONG RADIUS SWEEP.
- ⑫ WATER SHUT-OFF FOR BOTH RESTROOMS TO BE ACCESSED FROM ACCESS PANEL IN WALK-IN-COOLER. CONTRACTOR TO DETERMINE BEST LOCATION.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX253MPX1183JLP2030PXZ109
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DATE: 02/03/2023

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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

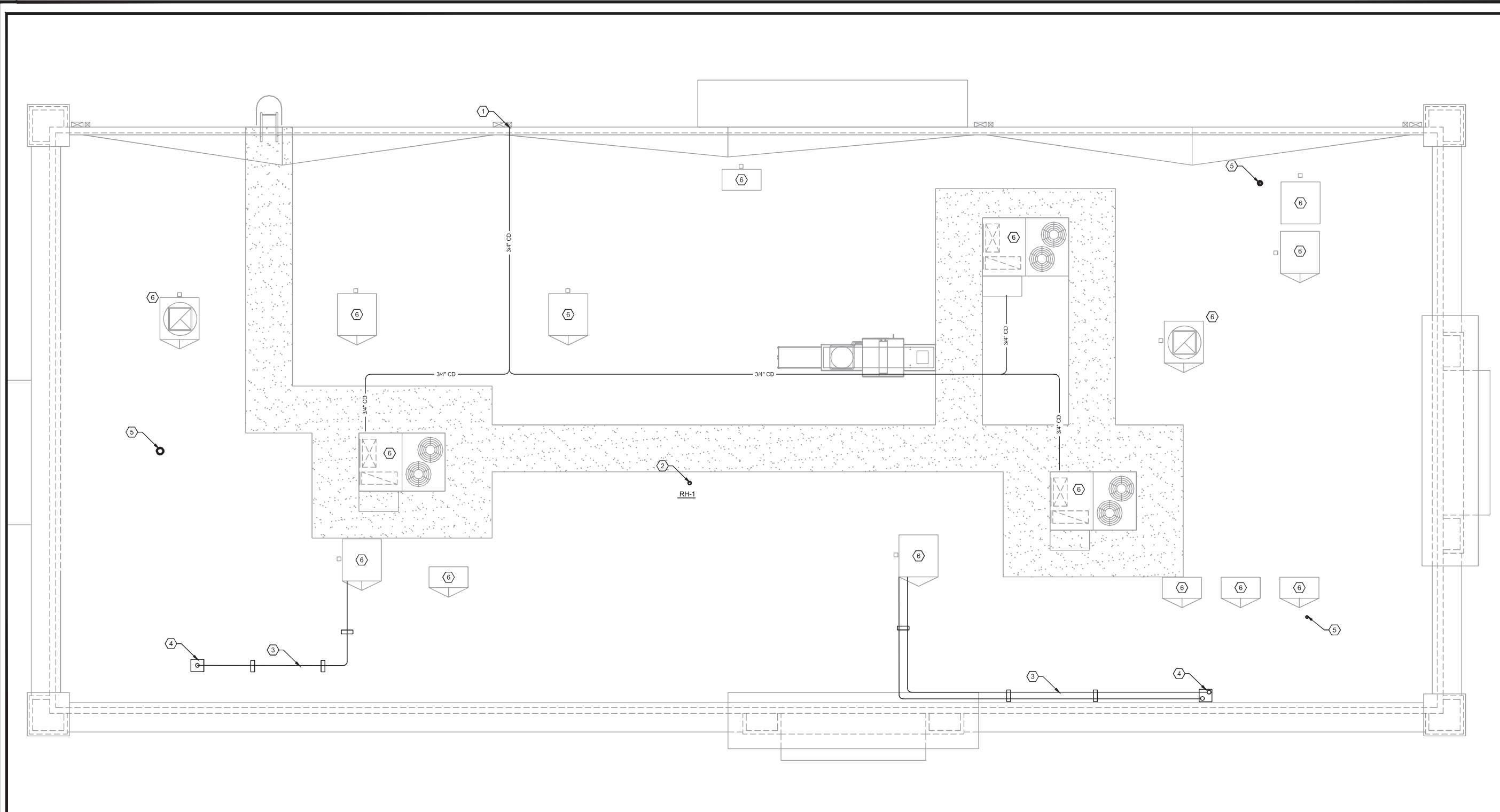
Sheet Title
PLUMBING PROPOSED PLAN - DOMESTIC WATER

Project No.
170-84-00

Date
AS NOTED

Scale
AS NOTED

Sheet
P2.0



PLUMBING ROOF PLAN SCALE
1/4" = 1'-0"

REVIEWED FOR CODE COMPLIANCE


EXAMINER: PXS648PX1180L P203PXE108
FBC CODE: 2020 FBC
DATE: 02/03/2023

PLAN SHEET NOTES:

- ① 3/4" CONDENSATE PIPING. DRAIN TO STORM GUTTER.
- ② 3/4" CW PIPING DOWN TO FIRST FLOOR CEILING. SEE DOMESTIC WATER PLAN FOR CONTINUATION. ROUTE 1/8" DRAIN LINE TO NEAREST MOP SINK.
- ③ PROVIDE ROOF MOUNTED PIPING ANCHORS AT 6'-0" O.C. AND STRAP PIPE PER PIPING ANCHOR AND SUPPORT SCHEDULE.
- ④ ROUTE REFRIGERANT PIPING DOWN THROUGH PIPING CURB TO PVC CHASES BELOW.
- ⑤ VENT THROUGH ROOF. SEE SANITARY PLAN FOR SIZE AND LOCATION. ENSURE VENT IS 10' AWAY FROM ANY MECHANICAL INTAKES.
- ⑥ MECHANICAL EQUIPMENT SHOWN FOR REFERENCE. REFER TO MECHANICAL PLANS FOR MORE INFORMATION.

No.	Revision/Issue	Date
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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title

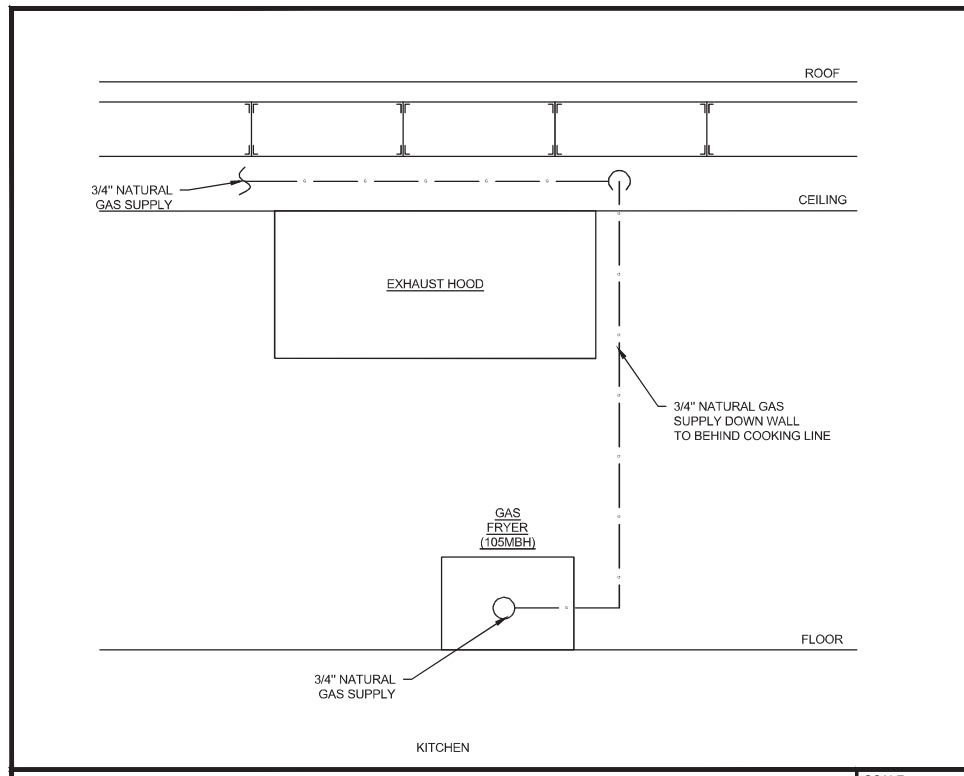
PLUMBING PROPOSED ROOF PLAN

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
P3.0

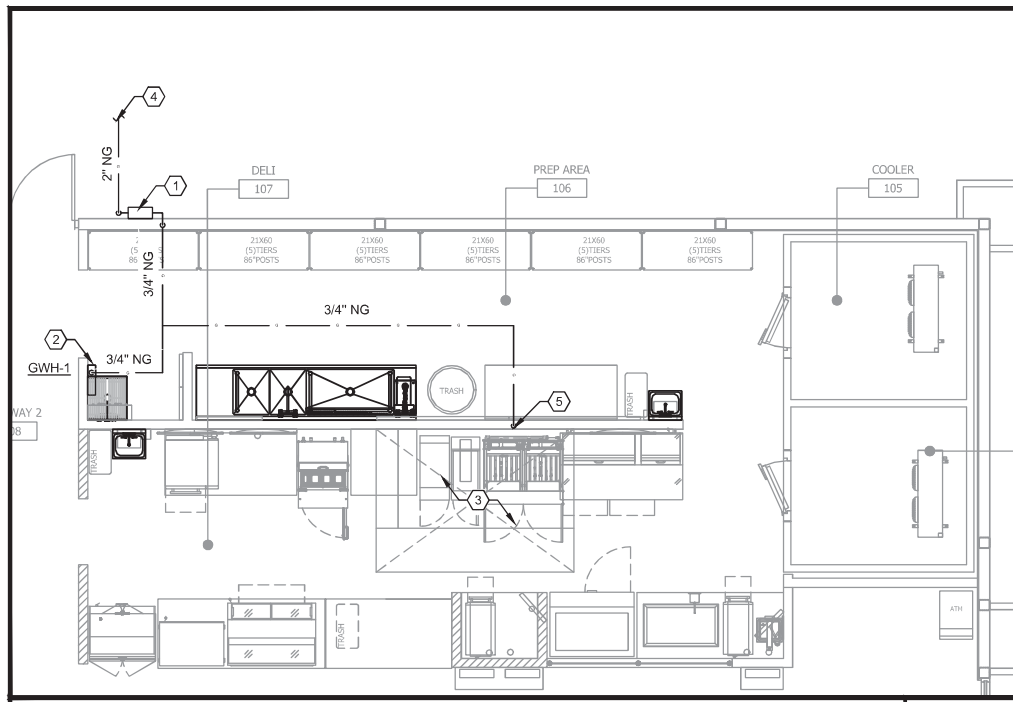


PLUMBING ELEVATION DETAIL SCALE NTS

NATURAL GAS CALCULATION:

EQUIPMENT REQUIRING NAT. GAS		
APPLIANCE	INLET SIZE	BTU
GAS FRYER	3/4"	105,000
GWH-1	3/4"	199,000
TOTAL BTU = 304,000 BTU		
PIPE LENGTH TO MOST REMOTE FIXTURE = 30FT		
REQUIRED PIPE SIZE = 2"		

NOTE: ALL COOKING EQUIPMENT UNDER HOOD MUST BE SHUT-OFF AUTOMATICALLY UPON ACTIVATION OF HOOD SUPPRESSION SYSTEM, PER NFPA CODES, UTILIZING SHUNT-TRIP BREAKERS BY CONTRACTOR, AS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OR GAS SUPPLY SHUT-OFF VALVES, AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. GAS VALVE SERVING HOOD GAS EQUIPMENT SHALL BE A 120V SOLENOID TYPE THAT FAILS IN THE CLOSED POSITION.



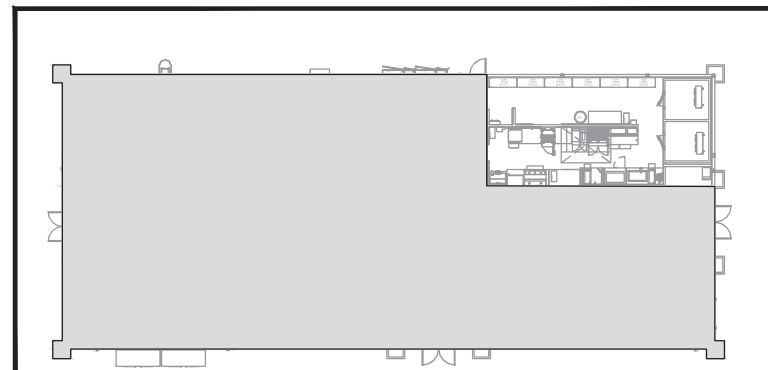
PLUMBING NATURAL GAS PLAN SCALE 1/4" = 1'-0"

- PLAN SHEET NOTES:**
- ① INSTALL NEW GAS METER. PROVIDE GAS PRESSURE REGULATOR, AND MAIN BUILDING SHUTOFF VALVE. COORDINATE EXACT LOCATION WITH UTILITY COMPANY AND CIVIL.
 - ② INSTALL GAS INSTANTANEOUS WATER HEATER PER MANUFACTURERS INSTRUCTIONS. CONNECT 3/4" NATURAL GAS LINE TO NEAREST MAIN. PROVIDE SHUT OFF VALVE. CONNECT 3" PVC DIRECT VENT AND ROUTE THRU ROOF. TERMINATE MINIMUM 12" ABOVE ROOF.
 - ③ ALL COOKING EQUIPMENT UNDER HOOD MUST BE SHUT-OFF AUTOMATICALLY UPON ACTIVATION OF HOOD SUPPRESSION SYSTEM, PER NFPA CODES, UTILIZING SHUNT-TRIP BREAKERS BY CONTRACTOR, AS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, OR GAS SUPPLY SHUTOFF VALVES, AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. GAS VALVE SERVING HOOD GAS EQUIPMENT SHALL BE A 120V SOLENOID TYPE THAT FAILS IN THE CLOSED POSITION.
 - ④ 2" NATURAL GAS PIPING. REFER TO CIVIL FOR CONTINUATION.
 - ⑤ 3/4" GAS TO DUAL FRYER, INSTALL REGULATOR SUPPLIED WITH UNIT AND FLEX LINE TO EQUIPMENT WHERE ALLOWED BY LOCAL CODES.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: P22534PXX1183L P203/PX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



KEY PLAN SCALE 1/16" = 1'-0"

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	1/11/2023



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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
PLUMBING PROPOSED PLAN - NATURAL GAS

Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED

Sheet **P4.0**

ELECTRICAL SPECIFICATIONS
GENERAL REQUIREMENTS

PART 1 - GENERAL

- 1.01 RELATED DOCUMENTS
A. The general provisions of the contract including General and Special Conditions and General Requirements shall apply to all work under this Section.
1.02 REQUIREMENTS OF REGULATORY AGENCIES AND STANDARDS
A. Equipment, fixtures, material and installation shall conform to the requirements of the local Building Department...
1.03 FEES
A. All local fees, permits, and services of inspection authorities shall be obtained and paid for by the Contractor.
1.04 SCOPE OF WORK
A. This division of the specifications covers the electrical systems of the project. It includes work performed by the electrical trades...
1.05 REFERENCES
A. Utilize the following abbreviations and definitions for discernment within the Drawings and Specifications.
1.06 DEFINITIONS
A. "PROVIDE" means to supply, purchase, transport, place, erect, connect, test, and turn over to Owner...
1.07 COORDINATION OF THE WORK
A. Certain materials will be provided by other trades. Examine the Contract Documents to ascertain these requirements.
1.08 EXAMINATION OF SITE
A. Prior to the submitting of bids, the Contractor shall visit the site of the job and shall familiarize himself with all conditions...

- 1.09 PROGRESS OF WORK
A. The Contractor shall order the progress of his work to conform to the progress of the work of other trades...
1.10 DELIVERY, STORAGE, AND HANDLING
A. Ship and store all products and materials in a manner that will protect them from damage, weather and entry of debris.
1.11 EQUIPMENT ACCESSORIES
A. Provide supports, hangers and auxiliary structural members required for support of the work.
1.12 OPERATIONS AND MAINTENANCE MANUALS
A. General: Provide operations & maintenance (O&M) manuals in accordance with the Contract Documents.
1.13 RECORD DOCUMENTS
A. During construction, keep an accurate record of all deviations between the work as shown on Drawings and that which is actually installed.
1.14 GUARANTEE
A. Guarantee all material and workmanship for a period of one (1) year from date of final acceptance by the Owner...

PART 2 - PRODUCTS

- 2.01 MATERIALS
A. Applicable equipment and materials shall be listed by Underwriters' Laboratories and Manufactured in accordance with ASME, NEMA, ANSI or IEEE standards...
2.02 SUBSTITUTION OF MATERIALS OR EQUIPMENT
A. All requests for substitution of materials or equipment shall be made in writing by the Contractor.
2.03 SHOP DRAWINGS
A. Prepare and submit detailed Shop Drawings for materials, systems, and equipment as listed herein...
b) Wiring devices and plates
c) Switchboards
d) Transformers
e) Panelboards
f) Fuses
g) Disconnect switches
h) Motor control centers
i) Motor controllers, starters, and contactors
j) Lighting fixtures, lamps
k) Instrumentation, metering equipment
l) Special systems - fire alarm, security, CCTV, intercom, etc.

PART 3 - EXECUTION

- 3.01 INSTALLATION
A. Provide manufacturer's instructions for installing, connecting, and adjusting all equipment.
3.02 PREMIUM TIME WORK
A. The following Work shall be performed at night or weekend other than holiday weekends as directed and coordinated with the Owner.
3.03 EXCAVATION, TRENCHING AND BACKFILL
A. Provide excavation for the Work. Excavate all material encountered, to the depths indicated on the drawings or required.
3.04 CUTTING, PATCHING AND REPAIRING
A. The work shall be carefully laid out in advance. Where cutting, channeling, chasing or drilling of floors, walls, partitions, ceilings or other surfaces is necessary...
3.05 DEMOLITION AND CONTINUANCE OF EXISTING SERVICES
A. All existing electrical services not specifically indicated to be removed or altered shall remain as they presently exist.
3.06 CLEANING UP
A. Contractor shall take care to avoid accumulation of debris, boxes, crates, etc., resulting from the installation of his work.
3.07 WATERPROOFING
A. Avoid, if possible, the penetration of any waterproof membranes such as roofs, machine room floors, basement walls, and the like.
3.08 SUPPORTS
A. Support work in accordance with the best industry practice and the following.
3.09 FASTENINGS
A. Fasten electric work to building structure in accordance with the best industry practice and the following.
3.10 TESTING EQUIPMENT AND MATERIALS
A. The Contractor shall provide all testing instruments, equipment and all materials, connections, labor, etc., required to perform tests.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: LP252MP1181L2P201P2109
FBC CODE: :2020 FBC
DATE: 02/03/2023

Table with 10 columns and 1 row for project information.

Table with 10 columns and 1 row for revision and date information.

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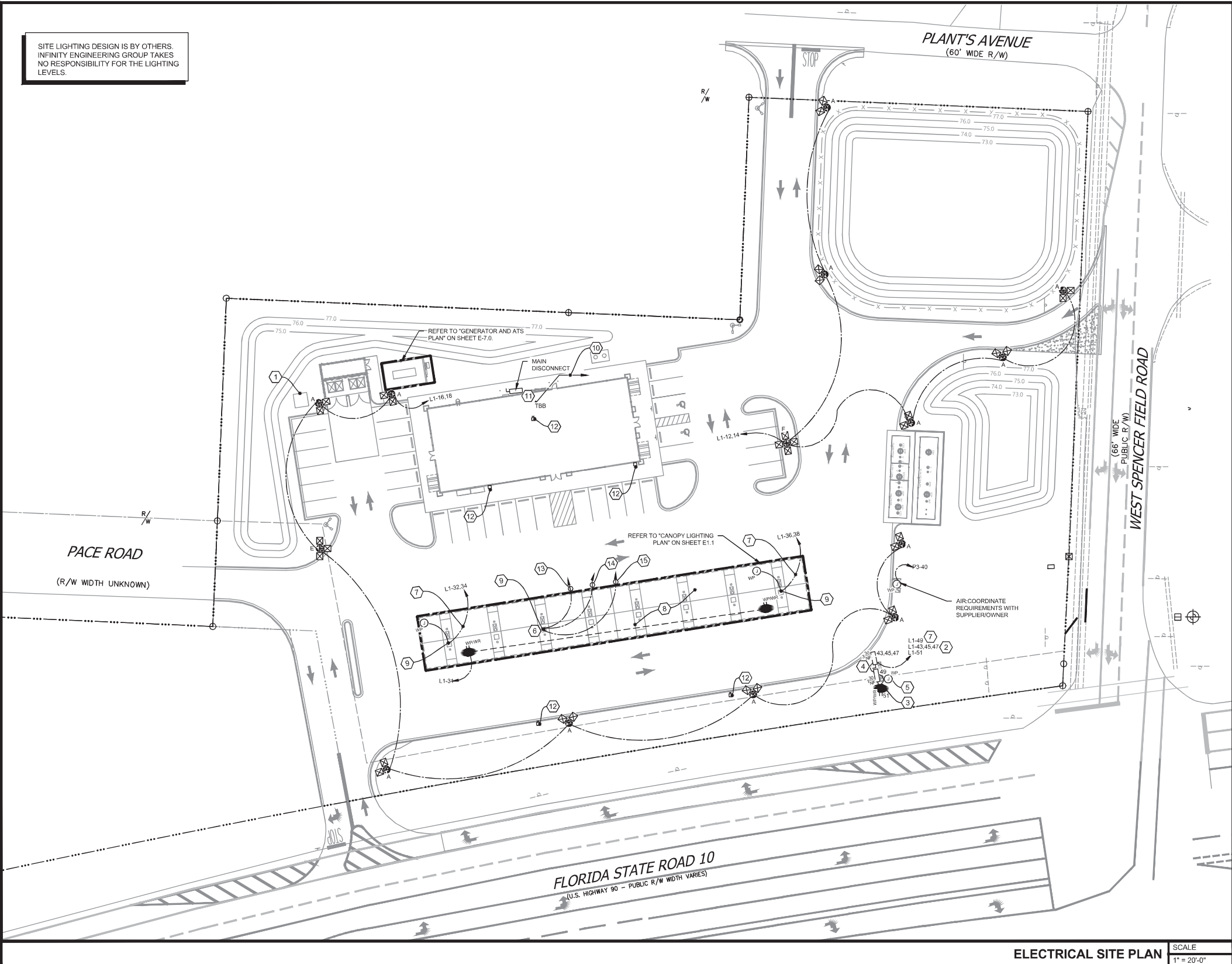
CEFCO
CONVENIENCE STORES

ANDREW MOHR, P.E.
FL REG. NO. 73077

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FAC E1G15-23.004

CEFCO #426 - PACE
90 WEST SPENGLER FIELD ROAD
PACE, FL 32571
ELECTRICAL SPECIFICATIONS
Project No: 170-84-00
Date: AS NOTED
Scale: AS NOTED
Sheet: E0.1

SITE LIGHTING DESIGN IS BY OTHERS. INFINITY ENGINEERING GROUP TAKES NO RESPONSIBILITY FOR THE LIGHTING LEVELS.



ELECTRICAL SITE PLAN SCALE 1" = 20'-0"

SITE LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING HEIGHT	ARRANGEMENT	LAMP	VOLTAGE	TOTAL WATTAGE
A	COMMERCIAL MEDIUM TWO HEAD @90 DEGREE AREA LIGHT, 28L, TYPE FT, 5K CCT	LSI INDUSTRIES	SMA-LED-28L-ACR-FT-50	22'POLE + 3' BASE	2 @ 90 DEGREES	LED	208V	458W
E	COMMERCIAL MEDIUM THREE HEAD @ 90 AREA LIGHT, 28L, TYPE FT, 5K CCT	LSI INDUSTRIES	SMA-LED-28L-ACR-FT-50	22'POLE + 3' BASE	3 @ 90 DEGREES	LED	208V	458W
F	COMMERCIAL MEDIUM FOUR HEAD @ 90 AREA LIGHT, 28L, TYPE FT, 5K CCT	LSI INDUSTRIES	SMA-LED-28L-ACR-FT-50	22'POLE + 3' BASE	4 @ 90 DEGREES	LED	208V	458W

NOTE: ALL AREA LIGHTS REQUIRING POLES SHALL BE PROVIDED WITH POLES AND POLE BASES TO MATCH OTHER CEFCO SITES IN THE STATE OF FLORIDA. POLE AND BASES SHALL BE PROVIDED TO MEET THE MINIMUM WIND LOADING REQUIREMENTS FOR THIS SPECIFIC SITE PER ASCE-7. INCLUDE ALL ACCESSORIES FOR COMPLETE AND FULLY FUNCTIONING AREA LIGHT ASSEMBLIES. ALL AREA POLE LIGHTS SHALL BE AIMED IN PRESENCE OF LUMINAIRE PROVIDER. PROVIDE EXACT LAYOUT REQUIRED TO ACHIEVE PHOTOMETRIC CALCULATION VALUES INDICATED IN THE LIGHTING MANUFACTURER'S SITE LIGHTING PHOTOMETRIC STUDY. THE MANUFACTURER'S PHOTOMETRIC STUDY SHALL GOVERN THIS SITE LIGHTING LAYOUT.

ELECTRICAL SITE WORK PHASING:
ELECTRICAL SITE WORK SHALL BE PHASED PER GC DIRECTIONS IN FIELD.

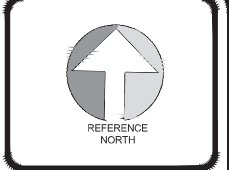
CCTV GENERAL NOTE:
EC SHALL PROVIDE 1" CONDUIT SYSTEMS FROM LIGHTING POLES THAT WILL HAVE CAMERAS MOUNTED ON THEM TO THE C-STORE IT RACK. EXACT QUANTITIES AND LOCATIONS OF LIGHT POLES WITH CCTV CAMERAS SHALL BE DETERMINED IN FIELD WITH OWNER REPRESENTATIVE AND CCTV PROVIDER.

SHEET NOTES:

- VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO CONNECTION.
- COORDINATE ALL INSTALLATIONS W/ OTHER TRADES.
- CANOPY LIGHTING FIXTURES TO BE OF LED TYPE. FIXTURES ARE PROVIDED AND INSTALLED BY CANOPY SUPPLIER AND CIRCUITED BY ELECTRICAL CONTRACTOR.
- ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE GASOLINE DISPENSER, GASOLINE TANK VENTS, AND UNDERGROUND STORAGE FUEL TANKS SHALL BE PER NEC ARTICLE 514 AND NFPA-30A.
- ALL INTRINSICALLY SAFE (IS) WIRING SHALL BE PER NEC ARTICLE 504 AND ANSI/ISA RP 12.6. IN ADDITION, SPECIAL IS WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE FUEL TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACEWAYS (INCLUDING TROUGHS) WHERE PRACTICAL, OR PERMANENTLY ATTACHED, GROUNDED DIVIDER.
- UNDERGROUND STORAGE FUEL TANK LEAK MONITOR PANEL REQUIRES AN EQUIPMENT GROUND WIRE AND A BARRIER GROUND WIRE.

KEYED NOTES:

- POWER COMPANY TRANSFORMER: INCLUDE ALL REQUIRED MATERIAL AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL POWER COMPANY PAD MOUNTED TRANSFORMER.
- ID/PRICER PORTION OF SIGN: ID/PRICER SHALL ILLUMINATE CONTINUOUSLY.
- SIGN MAINTENANCE RECEPTACLE: PROVIDE NEW WEATHER RESISTANT GFI, 20A, DUPLEX RECEPTACLE. PROVIDE METAL WHILE-IN-USE TYPE WEATHERPROOF COVER.
- MONUMENT SIGN: PROVIDE A WEATHERPROOF LOCAL DISCONNECTING MEANS IF ONE IS NOT INCLUDED WITH SIGN PACKAGE DELIVERED TO SITE.
- SIGN DATA CABLE: PROVIDE 1" CONDUIT W/ ID SIGN DATA CABLE. ROUTE TO POS EQUIPMENT IN C-STORE. COORDINATE W/ SIGN MANUFACTURER FOR REQUIREMENTS AND EXACT LOCATION.
- TOP OF CANOPY LOW VOLTAGE WIRING: ALL TOP OF CANOPY LOW VOLTAGE CONDUCTORS SHALL BE IN CONDUIT. PROVIDE COMPLETE CONDUIT SYSTEMS TO SUPPORT LOW VOLTAGE SYSTEM REQUIREMENTS ON ARCHITECTURAL PLANS.
- CONTROL CIRCUIT FOR NIGHT OPERATION: RUN THIS CIRCUIT VIA LIGHTING CONTACTOR IN UNITIZED GEAR. REFER TO OUTDOOR LIGHTING SCHEMATIC DETAIL #3 ON SHEET E5.0 FOR ADDITIONAL INFORMATION. FLORIDA ENERGY CODE LIGHTING SETBACK REQUIREMENTS PER C405.2.6.3. EXCLUDED TO COMPLY WITH FLORIDA STATUTE 812.173
- TOP OF CANOPY EQUIPMENT AND DEVICES: COORDINATE EXACT LOCATION WITH CANOPY MANUFACTURER PRIOR TO START OF WORK.
- SEAL-OFF FITTING: PROVIDE SEAL OFF FITTING FOR EACH CONDUIT WITHIN STEEL COLUMN AT HANDHOLE. REFER TO DETAIL 2 ON SHEET E5.0.
- TELEPHONE UTILITY SERVICE CONDUITS: PROVIDE (2) 4" W/ NYLON PULL STRING FOR TELEPHONE SERVICE. ROUTE MINIMUM 30" BELOW GRADE FROM TELEPHONE SERVICE POINT AT EDGE OF PROPERTY LINE TO TELEPHONE BACKBOARD (TBB), STUB UP 6" ON EACH END AND PROVIDE TEMPORARY CAP. ROUTE CONDUIT BENDS IN LONG SWEEPS. DO NOT USE 90° ELBOWS. COORDINATE WITH TELEPHONE COMPANY FIELD REPRESENTATIVE FOR SERVICE REQUIREMENTS, EXACT ROUTING, AND LOCATION OF SERVICE POINT.
- TELEPHONE BACKBOARD: REFER TO POWER PLAN FOR EXACT LOCATION. REFER TO DETAIL #1 ON SHEET E5.2.
- FUEL SYSTEM EMERGENCY FUEL SHUT OFF PUSHBUTTON STATION(EFSO): REFER TO EFSO SCHEMATIC DETAIL 4 ON SHEET E5.0 FOR CONNECTIONS. REFER TO DETAIL 8 ON SHEET E5.0 FOR ADDITIONAL DETAILS. REFER TO TANK ELECTRICAL PLANS FOR EFSO PUSHBUTTON LOCATIONS.
- SPARE CANOPY CONDUITS: PROVIDE (2) 1" CONDUITS FROM TOP OF CANOPY TO IT RACK LOCATION IN C-STORE.
- FUEL CANOPY CCTV CONDUIT: PROVIDE A 1" CONDUIT FROM FUEL CANOPY TO VICINITY OF IT RACK AT C-STORE.
- FUEL CANOPY SOUND SYSTEM CONDUIT: PROVIDE A 1" CONDUIT FROM FUEL CANOPY TO VICINITY OF IT RACK AT C-STORE.



No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	10/28/2021
2	ISSUE FOR CLIENT REVIEW	11/03/2022

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Client Name and Address
CEFCO
CONVENIENCE STORES

ANDREW MOHR, P.E.
FL REG. NO. 73077

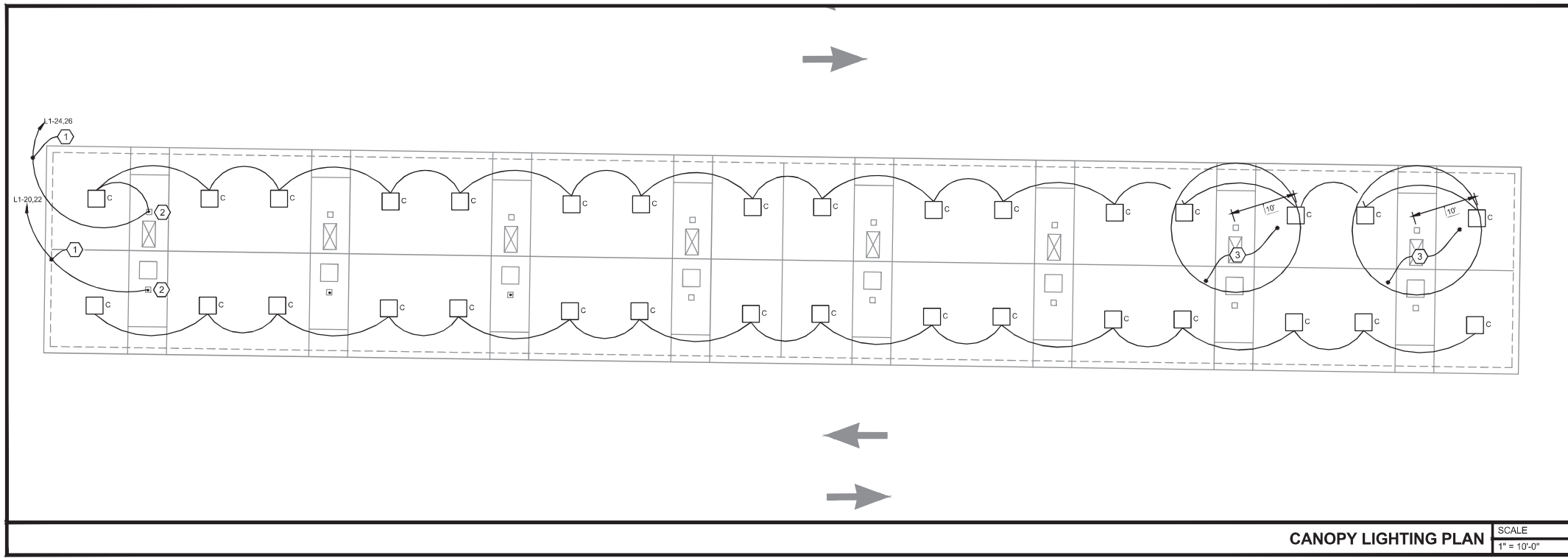
Date
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Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title
ELECTRICAL SITE PLAN

REVIEWED FOR CODE COMPLIANCE
Constant Code Services
EXAMINER: P26254P2X1185ULP203P2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

Project No. 170-84.00	Sheet E1.0
Date AS NOTED	
Scale AS NOTED	



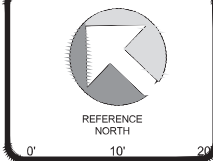
CANOPY LIGHTING PLAN SCALE
1" = 10'-0"

SHEET NOTES:

1. VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO CONNECTION.
2. COORDINATE ALL INSTALLATIONS W/ OTHER TRADES.
3. CANOPY LIGHTING FIXTURES TO BE OF LED TYPE. FIXTURES ARE PROVIDED AND INSTALLED BY CANOPY SUPPLIER AND CIRCUITED BY ELECTRICAL CONTRACTOR.
4. ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE GASOLINE DISPENSER, GASOLINE TANK VENTS, AND UNDERGROUND STORAGE FUEL TANKS SHALL BE PER NEC ARTICLE 514 AND NFPA-30A.
5. ALL INTRINSICALLY SAFE (IS) WIRING SHALL BE PER NEC ARTICLE 504 AND ANSIVISA RP 12.6. IN ADDITION, SPECIAL IS WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE FUEL TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACEWAYS (INCLUDING TROUGHS) WHERE PRACTICAL, OR PERMANENTLY ATTACHED, GROUNDED DIVIDER.
6. UNDERGROUND STORAGE FUEL TANK LEAK MONITOR PANEL REQUIRES AN EQUIPMENT GROUND WIRE AND A BARRIER GROUND WIRE.

KEYED NOTES:

- 1 CONTROL CIRCUIT FOR NIGHT OPERATION; RUN THIS CIRCUIT VIA LIGHTING CONTACTOR IN UNITIZED GEAR. REFER TO OUTDOOR LIGHTING SCHEMATIC DETAIL #3 ON SHEET E5.0 FOR ADDITIONAL INFORMATION.
- 2 SEAL-OFF FITTING; PROVIDE SEAL OFF FITTING FOR EACH CONDUIT WITHIN STEEL COLUMN AT HANDHOLE. REFER TO DETAIL 2 ON SHEET E5.0.
- 3 HAZARDOUS CLASSIFIED AREA; VENTS FOR REGULAR, PREMIUM UNLEADED AND DIESEL ARE IN A HAZARDOUS CLASSIFIED AREA. AVOID ANY CONDUIT RUNS THROUGH CANOPY HAZARDOUS CLASSIFIED AREAS. IF UNAVOIDABLE, THE CONDUIT SYSTEM WILL REQUIRE A SEAL-OFF FITTING BEFORE ENTERING THE HAZARDOUS CLASSIFIED AREA AND UPON LEAVING THE HAZARDOUS CLASSIFIED AREA. CANOPY LIGHTS SHALL NOT BE LOCATED IN HAZARDOUS CLASSIFIED AREA.



0'	10'	20'
SCALE: 1" = 10'-0"		Date: 1/10/2023
ISSUE FOR CLIENT REVIEW		Revision/Issue
1	No.	

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Date

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REVIEWED FOR CODE COMPLIANCE

EXAMINER: PX2654PX1181LP030P2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

SITE CANOPY LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING HEIGHT	ARRANGEMENT	LAMP	VOLTAGE	TOTAL WATTAGE
C	LEGACY LED CANOPY LIGHT, STANDARD SYMMETRIC, VERY HIGH OUTPUT 5000K COOL WHITE	LSI INDUSTRIES	CRUS-SC-LED-VHO-50-UE	17'	SINGLE	LED	208V	160W

Project Name and Address
CEFCO #426 - PACE
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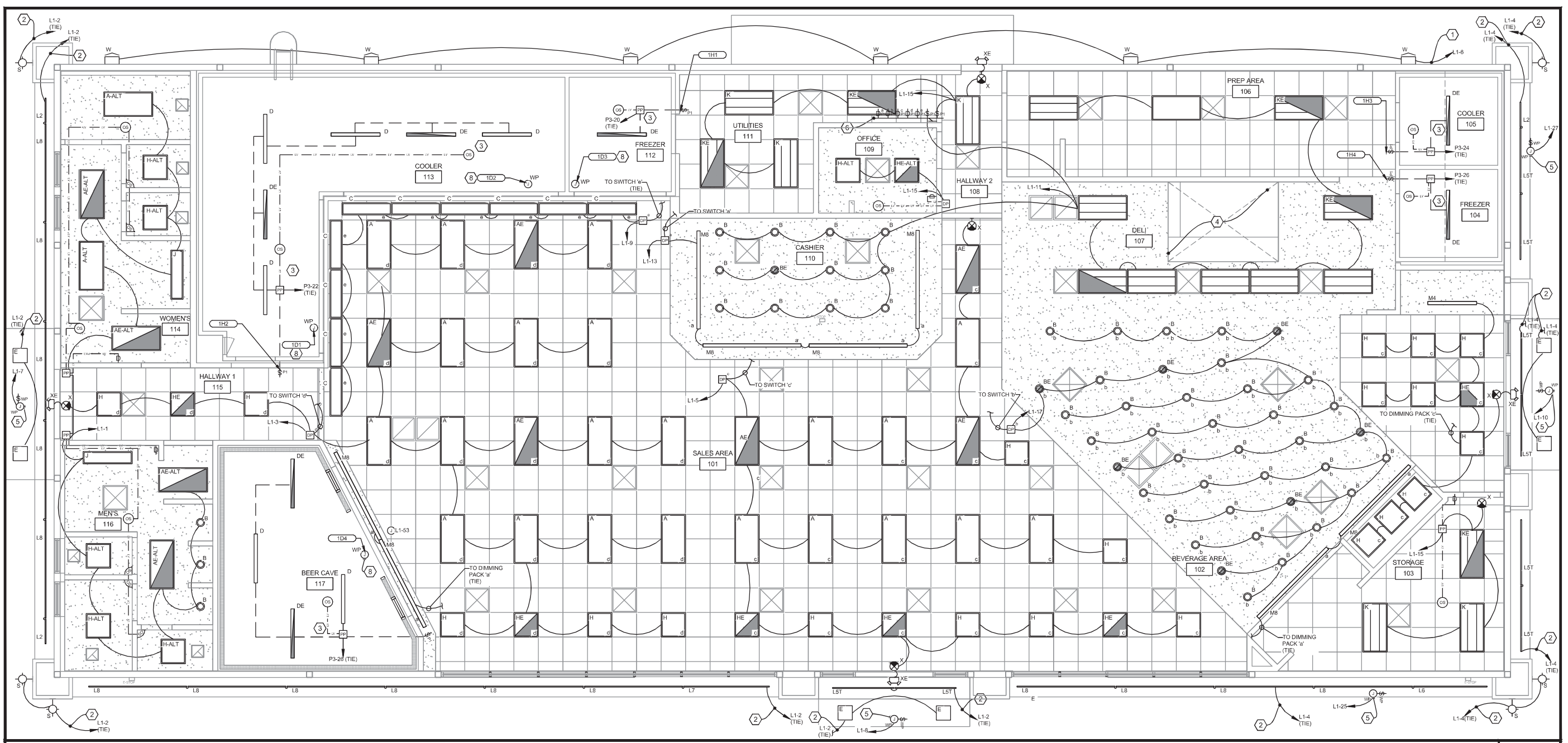
Sheet Title
CANOPY LIGHTING PLAN

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

Sheet
E1.1



ELECTRICAL LIGHTING PLAN - CONVENIENCE STORE SCALE 1/4" = 1'-0"

SENSOR SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING	RATINGS	NOTES
Ⓜ	OCCUPANCY SENSOR - CORNER MOUNT, PASSIVE INFRARED, DLM	WATTSTOPPER	LMPX-100	CORNER CEILING	UP TO 45' @ 10' MNT HGT	
Ⓞ	OCCUPANCY SENSOR - 360 DEGREE, PASSIVE INFRARED, DLM	WATTSTOPPER	LMPC-100	CEILING	15' RADIAL @ 10' MNT HGT	
Ⓜ	DIGITAL WALL SWITCH, ONE-BUTTON, ON/OFF, DLM	WATTSTOPPER	LMSW-101	WALL	--	
Ⓜ _{2HR}	DIGITAL WALL SWITCH, ONE-BUTTON, 2HR OVERRIDE, DLM ORDER CUSTOM ENGRAVED BUTTON: "2HR OVERRIDE" PROGRAM BUTTON: 2HR OVERRIDE ON FOR TIME-OF-DAY CONTROLLED LIGHTS	WATTSTOPPER	LMSW-101	WALL	--	
Ⓜ	DIGITAL WALL SWITCH, ON/OFF/RAISE/LOWER, DLM	WATTSTOPPER	LMDM-101	WALL	--	
Ⓜ	DIMMING PACK: DIGITAL ON/OFF/RAISE/LOWER 0-10V DIMMING ROOM CONTROLLER, ONE, TWO, OR THREE RELAY, DLM	WATTSTOPPER	ONE RELAY: LMRC-211 TWO RELAY: LMRC-212 THREE RELAY: LMRC-213	ABOVE CEILING	@120V, 20A", 1HP @277V, 20A", 1HP **16A FOR E-BALLAST, TOTAL LOAD PER ROOM CONTROLLER	NOTE 1
Ⓜ	POWER PACK: DIGITAL ON/OFF NON-DIMMING ROOM CONTROLLER, ONE OR TWO RELAY, DLM	WATTSTOPPER	ONE RELAY: LMRC-101 TWO RELAY: LMRC-102	ABOVE CEILING	@120V, 20A", 1HP @277V, 20A", 1HP **16A FOR E-BALLAST, TOTAL LOAD PER ROOM CONTROLLER	NOTE 1

GENERAL NOTES:
 A. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THE SCHEDULE.
 B. PROVIDE ALL LIGHTING CONTROL COMPONENTS TO PERFORM FUNCTION AS DESCRIBED ON THESE PLANS. PROVIDE ALL BRIDGES, GATEWAYS, POWER SUPPLIES, POWER PACKS / ROOM CONTROLLERS, ACCESSORIES, AND PROGRAMMING FOR A COMPLETE AND FULLY FUNCTIONAL LIGHTING CONTROL SYSTEM. LIGHTING CONTROLS ARE INDICATED FOR DESIGN INTENT ONLY. EC SHALL PROVIDE SHOP DRAWINGS AND PRODUCT CUTSHEETS FOR REVIEW BY THE ENGINEER. PROVIDE DETAILED DESCRIPTIONS OF LIGHTING FUNCTIONS FOR EACH ROOM.
 C. PROVIDE ALL PROGRAMMING, COMMISSIONING, AND TRAINING OF LIGHTING CONTROLS AS REQUIRED BY THESE PLANS, OWNER AND LANDLORD REQUIREMENTS, AND ENERGY CODE.
 D. LIGHTING CONTROL SYSTEM FUNCTIONAL TESTING SHALL BE PROVIDED AND DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PERFORMANCE CRITERIA OF THE PLANS AND SPECIFICATIONS SHALL BE PROVIDED TO THE OWNER AND ENGINEER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.
 E. POWER PACKS / ROOM CONTROLLERS ARE INDICATED ON PLANS AS SINGLE RELAY UNITS FOR CLARITY ONLY. MULTI-RELAY POWER PACKS / ROOM CONTROLLERS MAY BE USED IN LIEU OF SINGLE RELAY UNITS. COORDINATE WITH MANUFACTURER FOR SELECTIONS.

NOTES:
 1. SELECT APPROPRIATE NUMBER OF CONTACTS BASED ON APPLICATION.

KEYED NOTES:

- BUILDING LIGHTING CIRCUIT: ROUTE CIRCUIT VIA "1/2 SITE LIGHTING ZONE" AND "2/2 SITE LIGHTING ZONE" LIGHTING CONTACTORS IN CPI SWITCHGEAR.
- BUILDING LIGHTING CIRCUIT: ROUTE CIRCUIT VIA "BUILDING EXTERIOR LIGHTING ZONE" LIGHTING CONTACTORS IN CPI SWITCHGEAR.
- WALK-IN COOLERS/FREEZERS: PROVIDE RACEWAYS, WIRING, AND ALL LIGHTING FIXTURES IN COOLER / FREEZER. COORDINATE THE INSTALLATION OF SWITCHES AND PLATES WITH THE EQUIPMENT SUPPLIER. REFER TO DETAIL #4 ON SHEET E2.1 FOR LOW TEMPERATURE OCCUPANCY SENSOR AND POWER PACK FOR AUTOMATED CONTROL OF LIGHTS. ALL PENETRATIONS IN WALK-IN/STEP-IN COOLERS/FREEZERS/BEER CAVE SHALL BE MADE THROUGH THE TOP OF THE BOX. MAKE ALL PENETRATIONS PER DETAIL 1 ON SHEET E5.1.
- HOOD LIGHTS: REFER TO SHEET MC0.2 FOR HOOD LIGHTING.
- SIGN: PROVIDE A WEATHER PROOF JUNCTION BOX FOR EXTERIOR SIGN. ROUTE CIRCUIT VIA "SIGNAGE LIGHTING ZONE" LIGHTING RELAY PANEL IN CPI SWITCHGEAR. REFER TO "OUTDOOR LIGHTING CONTROL SCHEMATIC", DETAIL #3 ON SHEET E5.0. PROVIDE WEATHERPROOF SWITCH FOR LOCAL DISCONNECTING MEANS IF ONE IS NOT INCLUDED INTEGRAL TO SIGN.
- SWITCHBANK: PROVIDE PERMANENT ENGRAVED COVERPLATE INDICATING CONTROLLED AREA BELOW EACH LIGHT SWITCH.
- EXTERIOR EMERGENCY EGRESS LIGHTING: CONNECT FIXTURES ABOVE ENTRANCE TO 100W EXTERNAL 90-MIN BATTERY BACKED EMERGENCY LIGHTING INVERTER, PHILIPS BODINE ELI-S-100 OR EQUAL. INSTALL ABOVE CPI SWITCHGEAR.
- WALK-IN COOLER / FREEZER ANTHONY DOOR LIGHTING: COORDINATE WITH EQUIPMENT SUPPLIER FOR FINAL CONNECTION.

SHEET NOTES:

- HALF SHADED OR FULLY SHADED LUMINAIRES SHALL BE PROVIDED WITH SELF-CONTAINED 90-MINUTE BACK-UP BATTERY PACKS.
- EMERGENCY LIGHTING FIXTURES SHALL SWITCH WITH LOCAL NORMAL LIGHTING UNLESS INDICATED AS "EMNL" OR "NL" (NIGHT LIGHT).
- EMERGENCY FIXTURES WITH INTEGRAL 90-MINUTE BATTERY PACKS SHALL BE PROVIDED WITH AN UN-SWITCHED HOT CONDUCTOR SO THAT EMERGENCY BATTERY PACK CAN CHARGE WHEN POWER TO THE LIGHT FIXTURES IS SWITCHED OFF.
- EXIT AND NIGHT LIGHT FIXTURES SHALL BE CONNECTED TO UN-SWITCHED CIRCUIT AHEAD OF LIGHTING CONTROLLER.
- LIGHT FIXTURES IN THE SAME ROOM SHALL HAVE THE SAME ORIENTATION.
- THE CIRCUIT NEUTRAL CONDUCTOR SHALL BE ROUTED TO EACH LINE VOLTAGE WALL SWITCH. WHERE THE WIRING DEVICE DOES NOT REQUIRE THE USE OF A NEUTRAL CONDUCTOR, CAP FOR FUTURE USE.
- REFER TO DETAIL #3 ON SHEET E5.0 FOR OUTDOOR LIGHTING CONTROL SCHEMATIC.
- REFER TO ROOF PLAN FOR PHOTOCELL PROPOSED LOCATION AS WELL AS CONDUIT AND WIRING REQUIREMENTS.

REVIEWED FOR CODE COMPLIANCE

EXAMINER: PX2534PK1183/LP20/PX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

Coastal Code Services
 Providing Code & Administrative Support

No.	Date	Revision/Issue
1	1/10/2023	ISSUE FOR CLIENT REVIEW

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

CEFCO ELECTRICAL LIGHTING PLAN

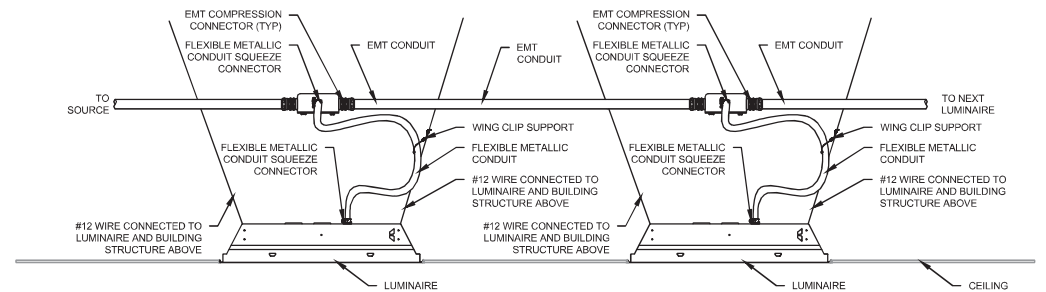
Project No. 170-84-00
 Date AS NOTED
 Scale AS NOTED

Sheet E2.0

LIGHTING FIXTURE SCHEDULE

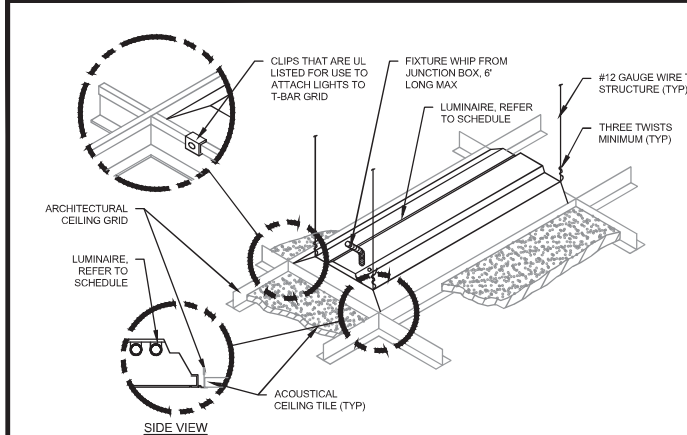
LABEL	DESCRIPTION	LIGHT FIXTURE		MOUNTING	QTY. OF LAMPS	VOLTS	WATTS
		MFG.	MODEL #				
A	2'x4' EDGE-LIT LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP24 LED 50 UE DIM 40	LAY-IN	LED	120	50
AE	2'x4' EDGE-LIT EMERGENCY BACKUP LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP24 LED 50 UE DIM 40 EM	LAY-IN	LED	120	50
A-ALT	2'x4' EDGE-LIT LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP24 LED 50 UE DIM 40, FK24	LAY-IN	LED	120	50
AE-ALT	2'x4' EDGE-LIT EMERGENCY BACKUP LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP24 LED 50 UE DIM 40 EM, FK24	LAY-IN	LED	120	50
B	6" LED DOWNLIGHT, 2500LUMEN.	LSI	LC06 LED 25L UNV DIM1 40	RECESSED	LED	120	22
BE	6" LED EMERGENCY BACKUP DOWNLIGHT, 2500LUMEN.	LSI	LC06 LED 25L UNV DIM1 40 EM	RECESSED	LED	120	22
C	1'x4' EDGE-LIT LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP14 LED 40 UE DIM 40	LAY-IN	LED	120	40
C2	1'x2' EDGE-LIT LED PANEL, 2000 LUMEN, 40K, DIMS TO 10%	LSI	CONSULT WITH LSI REP FOR 1'X2' FLAT PANEL LUMINAIRE	LAY-IN	LED	121	20
D	4' LED WET LOCATION LINEAR LUMINAIRE CONSTRUCTED OF FIBERGLASS-REINFORCED FIBERGLASS HOUSING, 6695 LUMENS, 4000K COLOR TEMP, 0-10V DIMMING.	LSI	EG3 4 LED 6L DA S UNV DIM 40 80	SURFACE	LED	120	50
DE	4' LED WET LOCATION EMERGENCY BACKUP LINEAR LUMINAIRE CONSTRUCTED OF FIBERGLASS-REINFORCED FIBERGLASS HOUSING, 6695 LUMENS, 4000K COLOR TEMP, 0-10V DIMMING.	LSI	EG3 4 LED 6L DA S UNV DIM 40 80 EM	SURFACE	LED	120	50
E	LEGACY LED CANOPY LUMINAIRE, 10525 LUMEN, 50K.	LSI	CRUS LW LED SS 50 UE WHT	CANOPY	LED	120	74
H	2'x2' EDGE-LIT LED PANEL, 3000 LUMEN, 40K, DIMS TO 10%	LSI	SFP22 LED 30 UE DIM 40	LAY-IN	LED	120	30
HE	2'x2' EDGE-LIT EMERGENCY BACKUP LED PANEL, 3000 LUMEN, 40K, DIMS TO 10%	LSI	SFP22 LED 30 UE DIM 40 EM	LAY-IN	LED	120	30
H-ALT	2'x2' EDGE-LIT LED PANEL, 3000 LUMEN, 40K, DIMS TO 10%	LSI	SFP22 LED 30 UE DIM 40, FK22	LAY-IN	LED	120	30
HE-ALT	2'x2' EDGE-LIT EMERGENCY BACKUP LED PANEL, 3000 LUMEN, 40K, DIMS TO 10%	LSI	SFP22 LED 30 UE DIM 40 EM, FK22	LAY-IN	LED	120	30
J	1'x4' EDGE-LIT LED PANEL, 4000 LUMEN, 40K, DIMS TO 10%	LSI	SFP14 LED 40 UE DIM 40 U; FK14	LAY-IN	LED	120	40
K	2'x4' LED TROFFER, 4800 LUMENS, 4000K, 0-10V DIMMING TO 10%.	LSI	OPT24 LED 48L W UNV DIM 40	LAY-IN	LED	120	39
KE	2'x4' EMERGENCY BACKUP LED TROFFER, 4800 LUMENS, 4000K, 0-10V DIMMING TO 10%.	LSI	OPT24 LED 48L W UNV DIM 40 EM	LAY-IN	LED	120	39
L2	QWIK STIK FLAT SERIES 2' LED FIXTURE WITH 12VDC POWER SUPPLY, SUPPLIED BY FASCIA SUPPLIER, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.	PRINCIPAL LED	PL-QS24-XX-FL	SURFACE	LED	120	4.7
L5T	QWIK STIK FLAT SERIES 5'-4" LED FIXTURE WITH 12VDC POWER SUPPLY, SUPPLIED BY FASCIA SUPPLIER, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.	PRINCIPAL LED	PL-QS64-XX-FL	SURFACE	LED	120	14.2
L6	QWIK STIK FLAT SERIES 6' LED FIXTURE WITH 12VDC POWER SUPPLY, SUPPLIED BY FASCIA SUPPLIER, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.	PRINCIPAL LED	PL-QS72-XX-FL	SURFACE	LED	120	15.6
L7	QWIK STIK FLAT SERIES 7' LED FIXTURE WITH 12VDC POWER SUPPLY, SUPPLIED BY FASCIA SUPPLIER, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.	PRINCIPAL LED	PL-QS84-XX-FL	SURFACE	LED	120	18.0
L8	QWIK STIK FLAT SERIES 8' LED FIXTURE WITH 12VDC POWER SUPPLY, SUPPLIED BY FASCIA SUPPLIER, ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.	PRINCIPAL LED	PL-QS96-XX-FL	SURFACE	LED	120	21.2
M4	4FT LED STRIP DIFFUSED LUMINAIRE, 4000 LUMENS, 4000K.	LSI	SDL4 LED 40L FL UNV DIM1 40 90CRI	SURFACE	LED	120	31
M8	8FT LED STRIP DIFFUSED LUMINAIRE, 8000 LUMENS, 4000K.	LSI	SDL8 LED 80L FL UNV DIM1 40 90CRI	SURFACE	LED	120	61
S	DORADO ROUND 4" ROUND LED WALL MOUNT CYLINDER, UP/DOWN, 50K	E-CONOLIGHT	OWCQ4-U-10-33-MV-50-BZ	WALL	LED	120	33
W	MIRADA OUTDOOR LED WALL SCONCE, TYPE 4, 8000 LUMEN, 50K	LSI INDUSTRIES	XWM-FT-LED-08-50-JE	WALL @ 12 FT	LED	120	62
PE	WALL SCONCE, WET-LISTED EMERGENCY LIGHT WITH BATTERY BACKUP, BRONZE DIE-CAST HOUSING WITH POLYCARBONATE LENS AND MIRROR REFLECTOR.	E-CONOLIGHT	E-XMTDCZ	WALL	XENON	120	4
X	EXIT SIGN LIGHT WITH BATTERY BACKUP, WHITE POLYCARBONATE HOUSING, RED EXIT LETTERS.	SURE-LITES	APX7R	SURFACE	LED	120	7

1. ALL LIGHT FIXTURE SUBSTITUTION SHALL BE APPROVED BY OWNER AND MUST BE EQUAL TO OR OF BETTER QUALITY THAN FIXTURES SPECIFIED BY ARCHITECT.
2. PENDANT LUMINAIRES: ORIENTATION OF PENDANT LUMINAIRES SHALL BE THE SAME.
3. FASCIA LIGHT FIXTURES: BOLT ALL FASCIA LIGHT FIXTURES TOGETHER PER MANUFACTURER RECOMMENDATIONS.



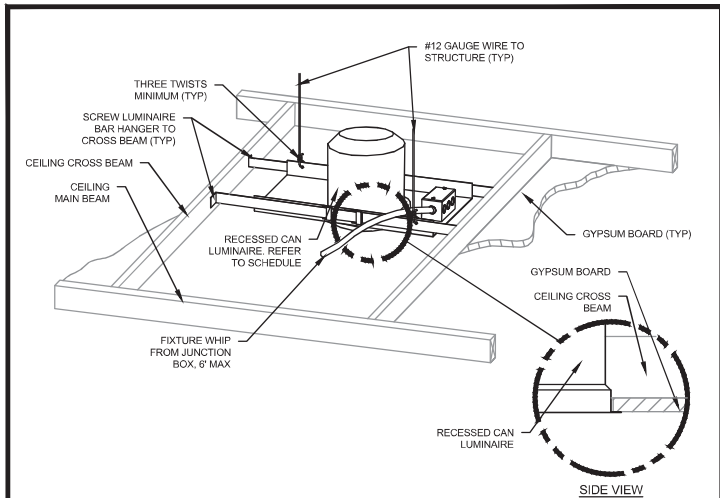
- NOTES:**
1. REFER TO ARCHITECTURAL PLANS FOR CEILING GRID SUPPORT REQUIREMENTS. THIS DETAIL SHOWS FIXTURE SUPPORT REQUIREMENTS ONLY.
 2. RACEWAY SHALL BE SUPPORTED IN ACCORDANCE WITH NEC 300.11.
 3. LUMINAIRES MAY NOT BE USED AS A RACEWAY IN ACCORDANCE WITH NEC 410.21 AND 410.64.
 4. ALL JUNCTION BOXES SHALL BE SUPPORTED BY BUILDING STRUCTURE.
 5. LUMINAIRES SHALL BE SUPPORTED INDEPENDENT OF THE CEILING GRID TO BUILDING STRUCTURE. DO NOT SUPPORT FROM DUCTWORK OR PIPING.
 6. FLEXIBLE METALLIC CONDUIT WHIPS FOR LUMINAIRES SHALL NOT EXCEED 6 FEET IN LENGTH.
 7. FLEXIBLE METALLIC CONDUIT WHIPS SHALL BE SUPPORTED BY LUMINAIRE SUPPORT WIRE USING A CONDUIT WING CLIP THAT IS UL LISTED FOR THIS PURPOSE.
 8. SECURELY FASTEN FIXTURE TO CEILING FRAMING MEMBERS. ATTACH TO SUSPENDED CEILING GRID ONLY AS APPROVED BY AUTHORITY HAVING JURISDICTION.

LIGHTING FIXTURE AND RACEWAY SUPPORT DETAIL SCALE N.T.S. 1



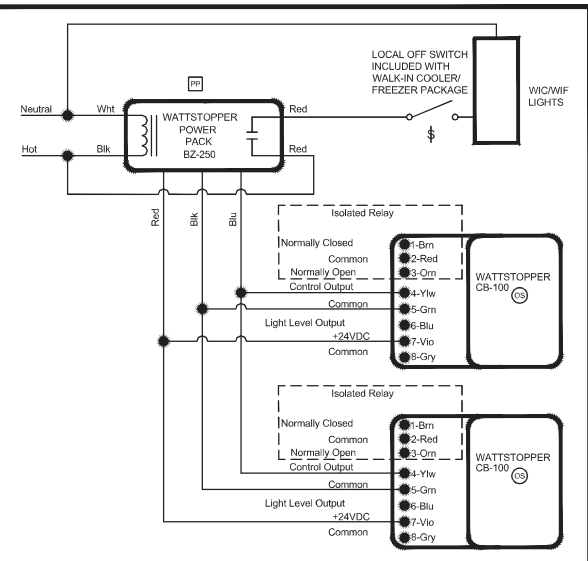
- NOTES:**
1. REFER TO ARCHITECTURAL PLANS FOR CEILING GRID SUPPORT REQUIREMENTS. THIS DETAIL SHOWS FIXTURE SUPPORT REQUIREMENTS ONLY.
 2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.
 3. THERMAL INSULATION SHALL NOT BE INSTALLED ABOVE A RECESSED LUMINAIRE OR WITHIN 3" OF THE RECESSED LUMINAIRE'S ENCLOSURES, WIRING COMPARTMENT, BALLAST, TRANSFORMER, LED DRIVER, OR POWER SUPPLY UNLESS THE LUMINAIRE IS IDENTIFIED AS TYPE IC FOR INSULATION CONTACT.

TROFFER MOUNTING - LAY-IN CEILING SCALE N.T.S. 2

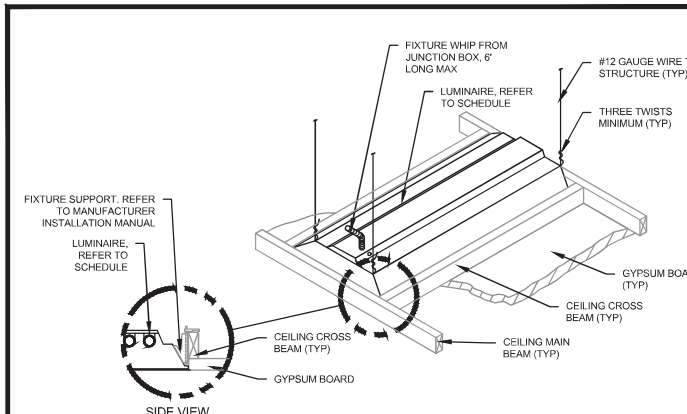


- NOTES:**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.
 2. THERMAL INSULATION SHALL NOT BE INSTALLED ABOVE A RECESSED LUMINAIRE OR WITHIN 3" OF THE RECESSED LUMINAIRE'S ENCLOSURES, WIRING COMPARTMENT, BALLAST, TRANSFORMER, LED DRIVER, OR POWER SUPPLY UNLESS THE LUMINAIRE IS IDENTIFIED AS TYPE IC FOR INSULATION CONTACT.
 3. ALL JUNCTION BOXES SHALL BE ACCESSIBLE.

DOWNLIGHT MOUNTING - GYPBOARD CEILING SCALE N.T.S. 3



BEER CAVE / WALK-IN COOLER/FREEZER LIGHTING CONTROL DIAGRAM SCALE N.T.S. 4



- NOTES:**
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.
 2. THERMAL INSULATION SHALL NOT BE INSTALLED ABOVE A RECESSED LUMINAIRE OR WITHIN 3" OF THE RECESSED LUMINAIRE'S ENCLOSURES, WIRING COMPARTMENT, BALLAST, TRANSFORMER, LED DRIVER, OR POWER SUPPLY UNLESS THE LUMINAIRE IS IDENTIFIED AS TYPE IC FOR INSULATION CONTACT.
 3. ALL JUNCTION BOXES SHALL BE ACCESSIBLE.

TROFFER MOUNTING - GYPBOARD CEILING SCALE N.T.S. 5

REVIEWED FOR CODE COMPLIANCE


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FBC CODE: 2020 FBC
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1	11/03/2023	Date
1	ISSUE FOR CLIENT REVIEW	Revision/Issue

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Client Name and Address

CEFCO

CONVENIENCE STORES

ANDREW MOHR, P.E.
FL REG. NO. 73077

Date

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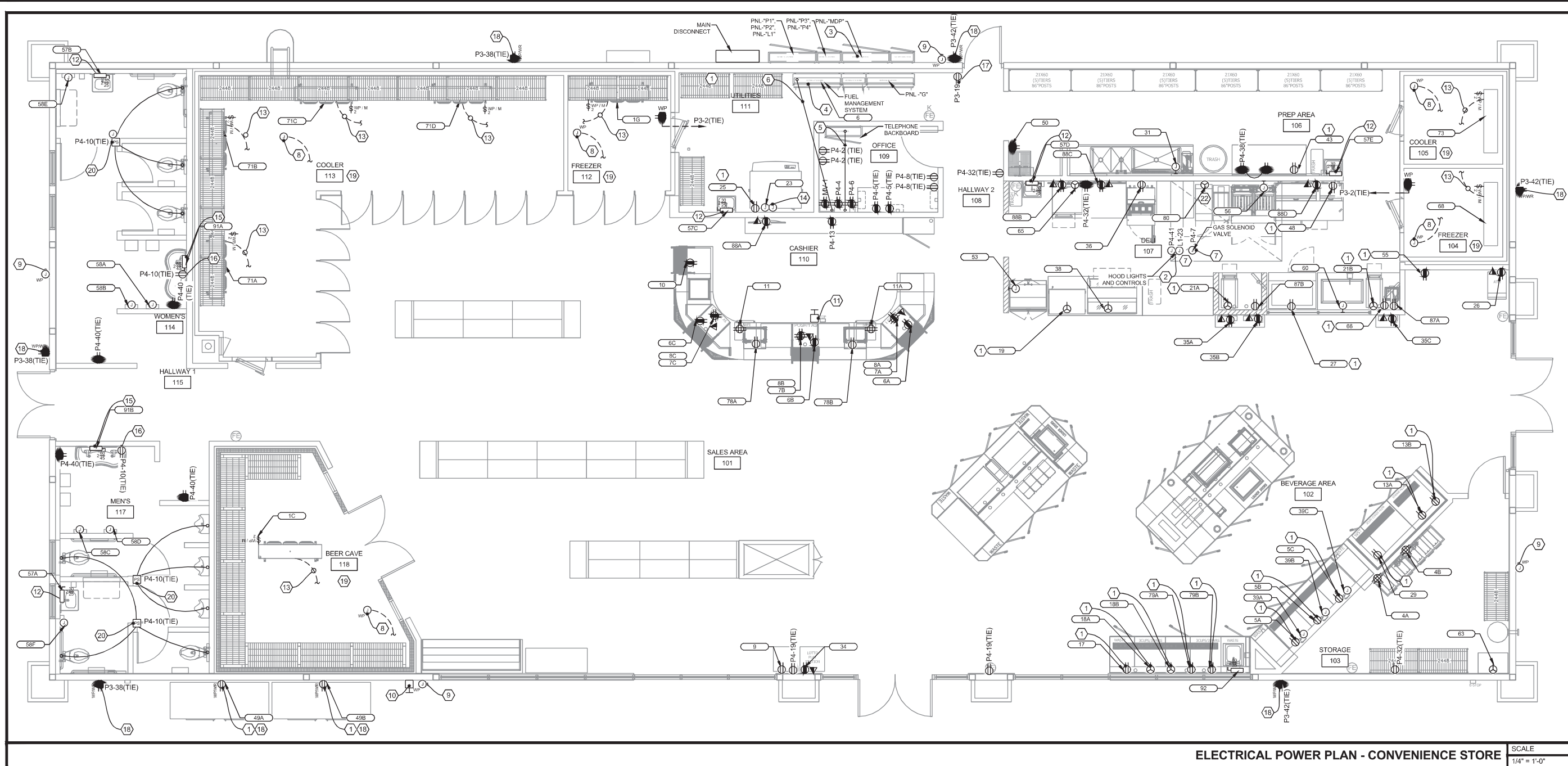
Project Name and Address

CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet Title
ELECTRICAL LIGHTING DETAILS

Sheet No. **E2.1**



ELECTRICAL POWER PLAN - CONVENIENCE STORE SCALE 1/4" = 1'-0"

- KEYED NOTES:**
- EQUIPMENT GFCI PROTECTION: REQUIRED GFCI PROTECTION PROVIDED BY GFCI BREAKER.
 - GREASE HOOD WITH FIRE SUPPRESSION: PROVIDE SEPERATE 120V CIRCUITS TO LIGHTS (L1-23) AND CONTROLS (P4-41) FOR HOODS. WIRE SUPPLY AIR FAN AND EXHAUST AIR FAN THROUGH HOOD CONTROLLER. REFER TO LIGHTING PLAN FOR LIGHT FIXTURE DETAILS.
 - CPI UNITIZED SWITCHGEAR: COORDINATE EXACT LOCATION WITH OTHER TRADES. REFER TO ELECTRICAL RISER DIAGRAM.
 - MAC VICTOR UPS: OWNER SUPPLIED 2KVA MAC VICTOR UPS WITH FOUR (4) 120V, 20A OUTPUT CIRCUITS. UPS TO BE MOUNTED ABOVE CPI PANEL, COORDINATE FINAL LOCATION WITH OWNER. PROVIDE 2-#12, #12 GND & #12 IG, 3/4" C FOR EACH OUTPUT BRANCH CIRCUIT.
1. MV #1: BACK OFFICE POS HARDWARE (500VA).
2. MV #2: TWO POS UNITS AT FROM SALES COUNTER (THE TWO CLOSEST TO FRONT/MAIN ACCESS) (400VA).
3. MV #3: ONE POS UNIT (CLOSEST TO SIDE/END ACCESS) AND TELECOMMUNICATIONS CABINET (400VA).
4. MV #4: CPI FUELING CABINET FOR POWERING VEEDER ROOT TLS 450 PLUS ATG, VERIFONE FCI FUEL CONTROLLER, AND WAYNE FUSION IX GATEWAY. (500VA)
 - TBB TO OFFICE CONDUIT: 2" CONDUIT WITH PULLWIRE ROUTED ABOVE CEILING FROM TBB IN UNITIZED SWITCHGEAR IT RACK IN OFFICE.
 - FUEL EQUIPMENT TO POS EQUIPMENT CONDUIT: 2" W/ PULL STRING ROUTED ABOVE CEILING FROM FUEL EQUIPMENT IN UNITIZED SWITCHGEAR TO POS EQUIPMENT IN BACK OFFICE.
 - HEAT PRODUCING EQUIPMENT UNDER HOOD: UPON ACTIVATION OF HOOD, THE SOLENOID OPERATED GAS SHUT OFF VALVE SHALL CLOSE AND ALL ELECTRICALLY POWERED ITEMS UNDER HOOD SHALL BE ELECTRICALLY DISCONNECTED VIA A RESETTABLE CONTACTOR.
 - COOLER/FREEZER THERMOSTAT: PROVIDE WP JUNCTION BOX FOR COOLER / FREEZER THERMOSTAT. ROUTE 3/4" CONDUIT WITH CONTROL WIRING FROM REMOTE CONDENSERS TO EVAPORATOR(S) VIA THERMOSTAT. COORDINATE WITH COOLER / FREEZER SUPPLIER PRIOR TO ROUGH-IN.
 - EASIWASH SYSTEM CONTROLS: PROVIDE 3/4" WITH (1) 20/6 CONTROL CABLE PER MANUFACTURER'S INSTALLATION RECOMMENDATIONS. ROUTE FROM REMOTE CONTROL POINT TO MAIN UNIT(63).
 - EMERGENCY FUEL SHUT-OFF (EFSO) PUSHBUTTON: REFER TO TANK PLANS FOR EXACT LOCATION. PROVIDE J-BOX IN WALL WITH 1/2" CONDUIT STUBBED THROUGH WALL AND ROUTED TO DISPENSER DISCONNECT IN CPI UNITIZED SWITCHGEAR ENCLOSURE.
 - EMERGENCY FUEL SHUT-OFF (EFSO) PUSHBUTTON: LOCATE PUSHBUTTON UNDER CASHIER COUNTER. ROUTE WIRING IN UNDER SLAB CONDUIT BACK TO DISPENSER DISCONNECT IN CPI UNITIZED SWITCHGEAR ENCLOSURE. REFER TO UNDERSLAB ELECTRICAL PLAN.
 - WATER HEATER: PROVIDE 2P-25A DISCONNECTING MEANS. MOUNT ON WALL ADJACENT TO WATER HEATER AND CONNECT TO WATER HEATER WITH FLEXIBLE CONDUIT.
 - COOLER EVAPORATORS: PROVIDE 2P-20A WEATHERPROOF MOTOR RATED SWITCH. PROVIDE 3/4" CONDUIT WITH CONTROL WIRING FROM REMOTE CONDENSER TO EVAPORATOR(S) FOR CONTROLS. COORDINATE WITH COOLER / FREEZER SUPPLIER PRIOR TO ROUGH-IN.
 - ICE MAKER: ROUTE 3/4" CONDUIT WITH CONTROL WIRING FROM ICE MAKER TO REMOTE CONDENSER ON ROOF.
 - WATER HEATER: PROVIDE 2P-45A, DISCONNECTING MEANS. MOUNT ON WALL ADJACENT TO WATER HEATER AND CONNECT TO WATER HEATER WITH FLEXIBLE CONDUIT.
 - FAUCET SENSOR: RECEPTACLE FOR POWER SUPPLY FOR TOUCHLESS OPERATION FAUCETS. ACCESS PANEL IS REQUIRED. GFCI PROTECTION PROVIDED BY BREAKER.
 - INSECT LIGHT: PROPOSED LOCATION OF INSECT LIGHT. FIELD VERIFY EXACT LOCATION WITH CEFCO FIELD REPRESENTATIVE PRIOR TO ROUGH-IN.
 - METAL WHILE-IN-USE WEATHERPROOF COVER: PROVIDE INTERMATIC WP1010MXD.
 - PENETRATIONS IN WALK-IN AND STEP-IN COOLER/FREEZER/BEER CAVE: ALL PENETRATIONS SHALL BE MADE THROUGH THE TOP OF THE COOLER/FREEZER BOX. REFER TO SEALING PENETRATION DETAIL 1 ON SHEET E5.1.
 - WATER CLOSET / URINAL FLUSHVALVE SENSOR: POWER SUPPLY FOR TOUCHLESS OPERATION FLUSHVAVE. REFER TO DETAIL #3 ON SHEET E5.2. ACCESS PANEL IS REQUIRED.

- GENERAL NOTES:**
- CONTRACTOR SHALL REFER TO EQUIPMENT VENDOR, AND ARCHITECTURAL DRAWINGS FOR ALL REQUIRED ELECTRICAL DEVICES, DEVICE LOCATIONS, AND DEVICE MOUNTING HEIGHTS PRIOR TO BID / INSTALLATION. DRAWINGS ARE NOT TO BE SCALED.
 - COORDINATE ELECTRICAL REQUIREMENTS, MOUNTING AND CONNECTIONS WITH ALL EQUIPMENT VENDORS PRIOR TO PURCHASING ELECTRICAL DEVICES.

COOLER SUPPLIER

STORE SOURCE INC.
GREGORY LAKIN
(830) 743 - 3088
GREG@STORESOURCEINC.COM

REVIEWED FOR CODE COMPLIANCE

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1	11/03/2022
2	10/26/2021

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CEFCO
CONVENIENCE STORES

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Project Name and Address

CEFCO #426 - PACE
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PACE, FL 32571

Sheet Title

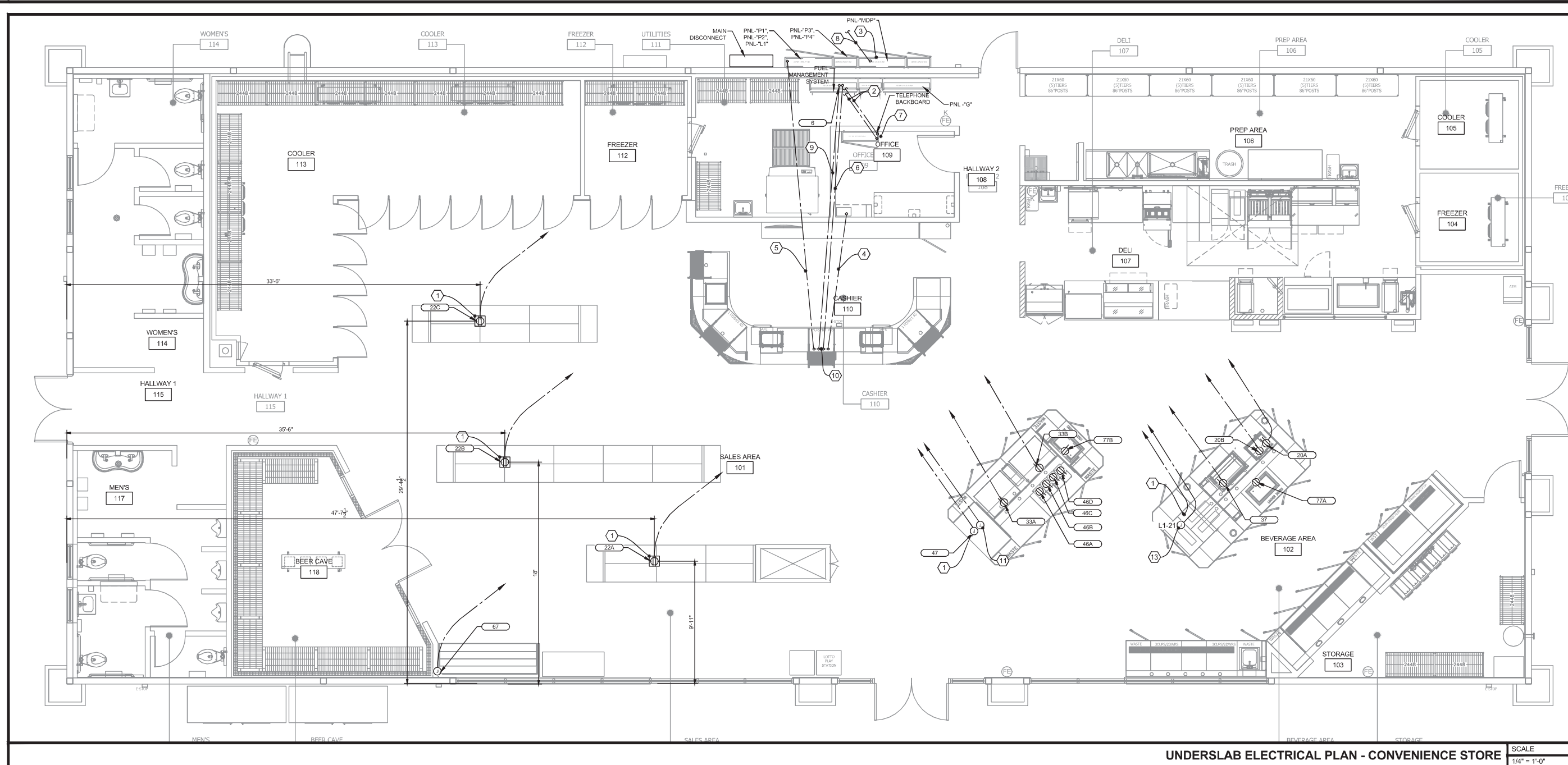
CEFCO ELECTRICAL POWER PLAN

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

Sheet
E3.0



UNDERSLAB ELECTRICAL PLAN - CONVENIENCE STORE SCALE 1/4" = 1'-0"

THERE ARE ADDITIONAL UNDERGROUND CONDUITS THAT WILL BE REQUIRED FOR SITE, FUEL SYSTEMS AND OTHER MISCELLANEOUS ITEMS. IT IS THE RESPONSIBILITY OF THE GC TO PROVIDE THE EC WITH A COMPLETE SET OF PLANS. THE EC SHALL PROVIDE ALL UNDERGROUND CONDUIT SYSTEMS NEEDED FOR A COMPLETE AND FULLY FUNCTION BUILDING INCLUDING UNDERGROUND CONDUIT SYSTEMS

REVIEWED FOR CODE COMPLIANCE



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 FBC CODE: 2020 FBC
 DATE: 02/03/2023

- KEYED NOTES:**
- 1 CONDUIT STUB-UP: COORDINATE EXACT STUB UP/RECEPTACLE LOCATION WITH EQUIPMENT VENDOR PRIOR TO START OF TRENCHING.
 - 2 TELEPHONE SERVICE CONDUITS: REFER TO SITE ELECTRICAL PLAN FOR REQUIREMENTS AND ROUTING.
 - 3 CPI UNITIZED SWITCHGEAR: COORDINATE EXACT LOCATION WITH OTHER TRADES. REFER TO ELECTRICAL RISER DIAGRAM.
 - 4 CASHIER CONDUITS: ROUTE CONDUITS FOR CASHIER COUNTER EQUIPMENT POWER BELOW SLAB FROM ELECTRICAL PANELS TO CASHIER COUNTER.
 - 5 CASHIER COUNTER TO OFFICE CONDUIT: 2" W/ PULL STRING ROUTED BELOW SLAB FROM CASHIER COUNTER TO OFFICE. REFER TO LOW VOLTAGE PLAN.
 - 6 CASHIER COUNTER TO FUEL EQUIPMENT CONDUIT: 2" W/ PULL STRING ROUTED BELOW SLAB FROM CASHIER COUNTER TO FUEL EQUIPMENT IN UNITIZED SWITCHGEAR.
 - 7 TELECOMMUNICATIONS CABINET: CPI TELECOM CABINET WITH FIRE-RATED PLYWOOD BACKBOARD AND INTERSYSTEM GROUND BUS BAR. CONNECT GROUND BUS BAR TO BUILDING GROUNDING ELECTRODE SYSTEM WITH (1) #3/0 GROUND CONDUCTOR. COORDINATE WITH TELEPHONE COMPANY FOR REQUIREMENTS. COORDINATE WITH OWNER FOR FINAL LOCATION.
 - 8 C-STORE INCOMING FEEDERS: REFER TO SITE PLAN AND RISER DIAGRAM.
 - 9 EMERGENCY FUEL SHUT-OFF (EFSO) PUSHBUTTON: 3/4" CONDUIT FOR EFSO WIRING FROM CASHIER COUNTER TO DISPENSER DISCONNECT IN CPI SWITCHGEAR.
 - 10 CASHIER COUNTER CONDUITS: STUB CASHIER COUNTER UNDERGROUND LV CONDUITS INTO FLUSH MOUNT 12"x12" ENCLOSURE. INSTALL ENCLOSURE BELOW COUNTER. COORDINATE WITH MILLWORK PRIOR TO ROUGH-IN.
 - 11 MERCHANDISER EQUIPMENT: ROUTE 3/4" CONDUIT WITH CONTROL WIRING FROM MERCHANDISER TO REMOTE CONDENSER ON ROOF.
 - 12 NOT USED.
 - 13 CABINET LED: PROVIDE JUNCTION BOX FOR CABINET LED.

- GENERAL NOTES:**
1. CONTRACTOR SHALL REFER TO EQUIPMENT VENDOR, AND ARCHITECTURAL DRAWINGS FOR ALL REQUIRED ELECTRICAL DEVICES, DEVICE LOCATIONS, AND DEVICE MOUNTING HEIGHTS PRIOR TO BID / INSTALLATION. DRAWINGS ARE NOT TO BE SCALED.
 2. COORDINATE ELECTRICAL REQUIREMENTS, MOUNTING AND CONNECTIONS WITH ALL EQUIPMENT VENDORS PRIOR TO PURCHASING ELECTRICAL DEVICES.

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2	ISSUE FOR PERMIT	10/28/2021
1	ISSUE FOR CLIENT REVIEW	11/03/2022

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CEFCO
 CONVENIENCE STORES

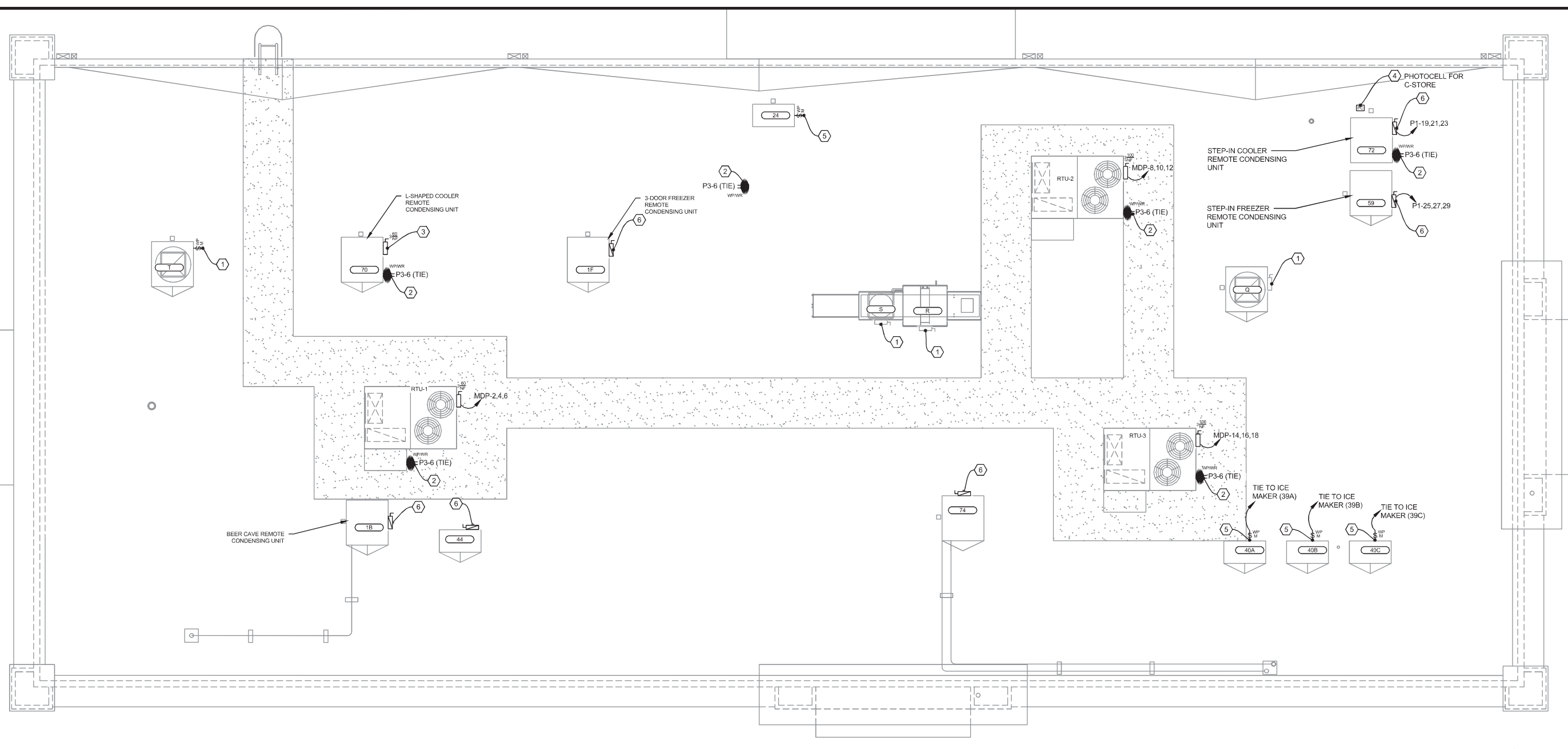
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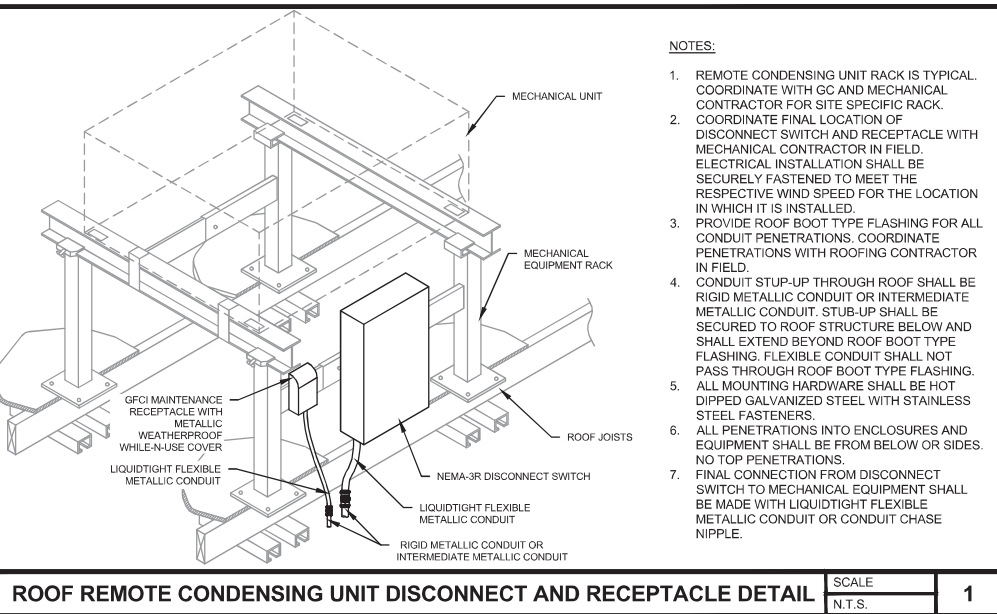
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
CEFCO UNDERSLAB ELECTRICAL PLAN

Project No. 170-84.00	Sheet
Date AS NOTED	E3.1
Scale AS NOTED	



ELECTRICAL ROOF PLAN - CONVENIENCE STORE SCALE 1/4" = 1'-0"



- NOTES:**
- REMOTE CONDENSING UNIT RACK IS TYPICAL. COORDINATE WITH GC AND MECHANICAL CONTRACTOR FOR SITE SPECIFIC RACK.
 - COORDINATE FINAL LOCATION OF DISCONNECT SWITCH AND RECEPTACLE WITH MECHANICAL CONTRACTOR IN FIELD. ELECTRICAL INSTALLATION SHALL BE SECURELY FASTENED TO MEET THE RESPECTIVE WIND SPEED FOR THE LOCATION IN WHICH IT IS INSTALLED.
 - PROVIDE ROOF BOOT TYPE FLASHING FOR ALL CONDUIT PENETRATIONS. COORDINATE PENETRATIONS WITH ROOFING CONTRACTOR IN FIELD.
 - CONDUIT STUP-UP THROUGH ROOF SHALL BE RIGID METALLIC CONDUIT OR INTERMEDIATE METALLIC CONDUIT. STUB-UP SHALL BE SECURED TO ROOF STRUCTURE BELOW AND SHALL EXTEND BEYOND ROOF BOOT TYPE FLASHING. FLEXIBLE CONDUIT SHALL NOT PASS THROUGH ROOF BOOT TYPE FLASHING. ALL MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL WITH STAINLESS STEEL FASTENERS.
 - ALL PENETRATIONS INTO ENCLOSURES AND EQUIPMENT SHALL BE FROM BELOW OR SIDES. NO TOP PENETRATIONS.
 - FINAL CONNECTION FROM DISCONNECT SWITCH TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT OR CONDUIT CHASE NIPPLE.

ROOF REMOTE CONDENSING UNIT DISCONNECT AND RECEPTACLE DETAIL SCALE N.T.S. 1

- GENERAL NOTES:**
- ALL CONTROL & POWER WIRING SHALL BE COORDINATED WITH EQUIPMENT SUPPLIERS.
 - FINAL LOCATION OF EQUIPMENT SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR.
 - VERIFY NUMBER & SIZES OF CONDENSER UNITS WITH EQUIPMENT SUPPLIERS.

- KEYED NOTES:**
- DISCONNECT:** DISCONNECT FURNISHED WITH UNIT.
 - ROOF MAINTENANCE RECEPTACLE:** WEATHER RESISTANT GFCI DUPLEX RECEPTACLE IN WEATHERPROOF SURFACE MOUNTED METAL BELL BOX WITH METALLIC "IN-USE" COVER MOUNT ADJACENT TO DISCONNECT.
 - REMOTE CONDENSER DISCONNECT:** MOUNT 240V, NEMA-3R, HEAVY DUTY, NON-FUSIBLE DISCONNECT SWITCH ON RACK AT LOCATION DETERMINED BY EQUIPMENT INSTALLER. ROUTE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT TO UNIT AS REQUIRED.
 - PHOTOCELL FOR CEFCO:** PROVIDE 1/2" CONDUIT FROM PROPOSED PHOTOCELL LOCATION TO CPI UNITIZED GEAR FOR SITE LIGHTING CONTROLS. INSTALL A 2 WIRE SHIELDED CABLE. REFER TO CPI UNITIZED GEAR SUBMITTALS.
 - REMOTE ICE MAKER CONDENSER:** PROVIDE WEATHERPROOF 1P-20A MOTOR RATED SWITCH MOUNTED ON CONDENSER.
 - REMOTE CONDENSER FUSIBLE DISCONNECT:** MOUNT 240V, NEMA-3R, HEAVY DUTY, FUSIBLE DISCONNECT SWITCH ON RACK AT LOCATION DETERMINED BY EQUIPMENT INSTALLER. ROUTE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT TO UNIT AS REQUIRED. PROVIDE FUSES FOR DISCONNECT PER UNIT NAMEPLATE MAXIMUM OVERCURRENT PROTECTION (MOCP).

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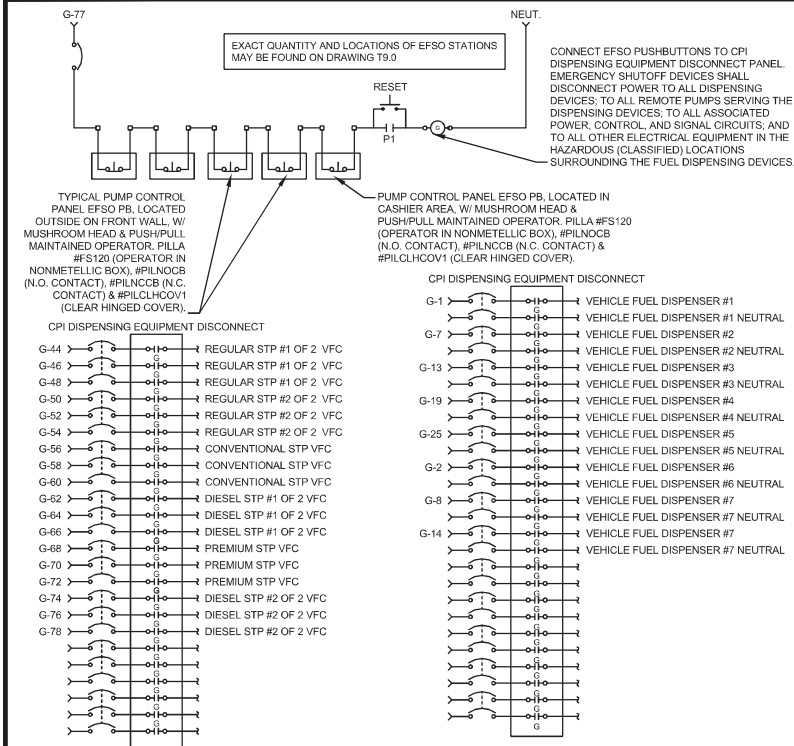
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Sheet Title
CEFCO ELECTRICAL ROOF PLAN

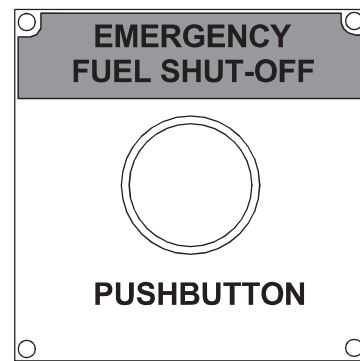
Project No. 170-84-00
 Date AS NOTED
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Sheet E4.0



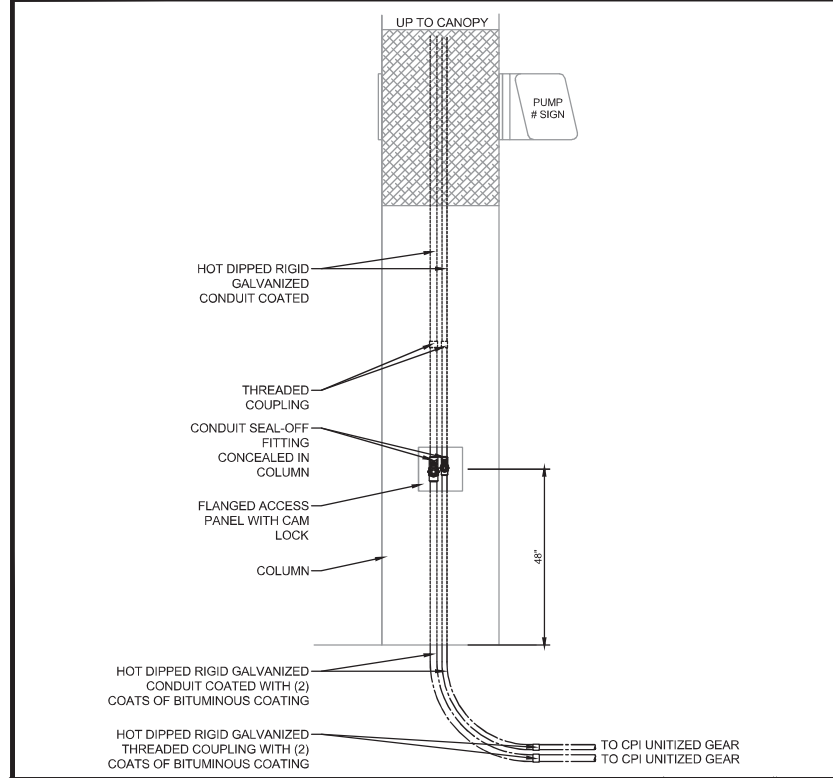
EMERGENCY FUEL SHUT OFF (EFSO) SCHEMATIC SCALE N.T.S. 4

EMERGENCY FUEL SHUT-OFF
SIGN SHALL HAVE WHITE LETTERS, MINIMUM 1" IN HEIGHT, ON RED BACKGROUND

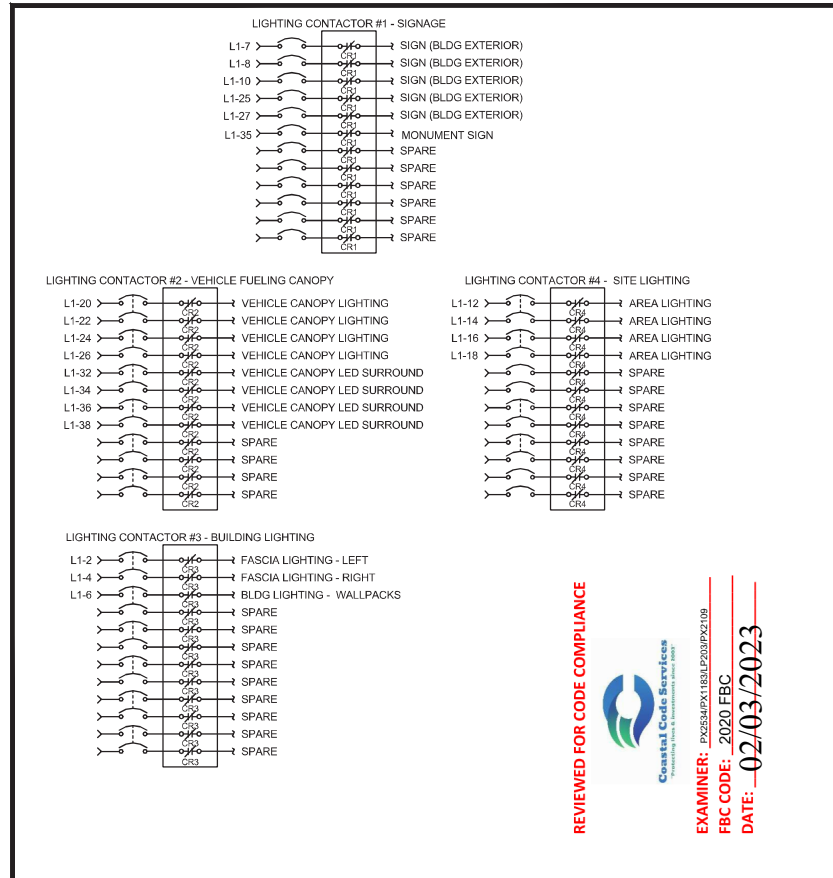


MUSHROOM TYPE SHUT-OFF BUTTON IN NEMA 3R NON-METALLIC ENCLOSURE W/ CLEAR HINGED COVER MODEL: PILLA FS120 WITH COVER INSTALL PER NEC. 514.11 AND 514.13

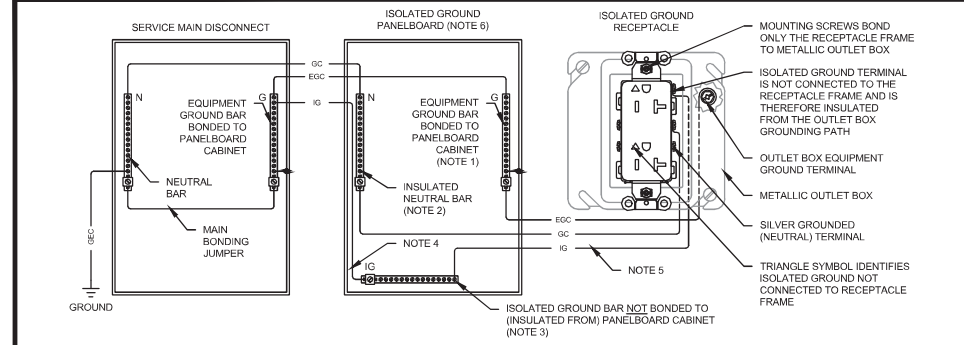
EMERGENCY FUEL SHUT-OFF PUSHBUTTON SCALE N.T.S. 6



CANOPY CONDUIT SEAL-OFF SCALE N.T.S. 2



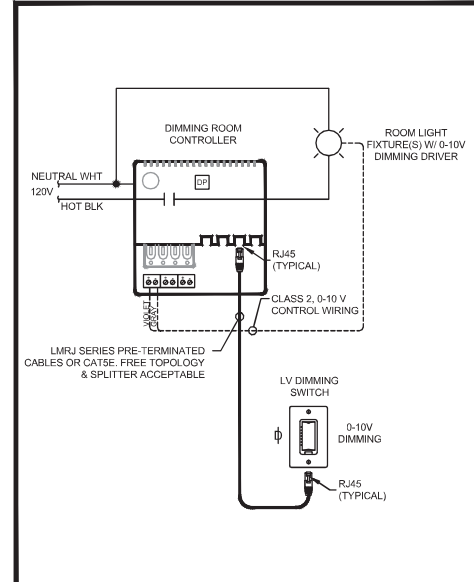
OUTDOOR LIGHTING CONTROL SCHEMATIC SCALE N.T.S. 3



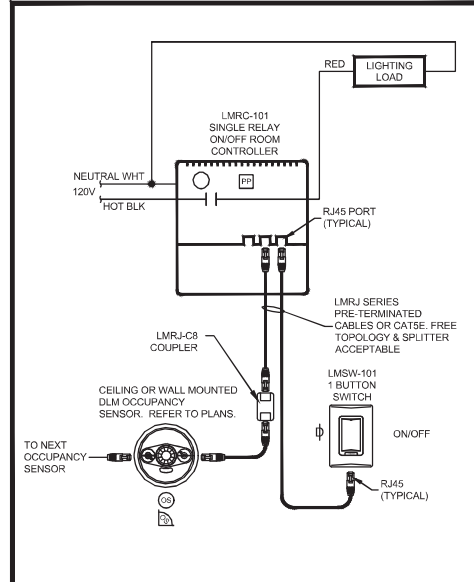
GENERAL NOTES:
A. THIS DETAIL IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO INDICATE PROPOSED CIRCUIT ROUTING. PHASE CONDUCTORS AND RACEWAYS ARE NOT SHOWN FOR CLARITY. ALL RACEWAYS SHALL BE SECURELY BONDED TO THE ENCLOSURES THE RACEWAYS CONNECT.
B. A GREEN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN ADDITION TO THE ISOLATED GROUNDING CONDUCTOR FOR BONDING METALLIC RACEWAY AND ENCLOSURES. UNDER NO CIRCUMSTANCES WILL A METALLIC RACEWAY SYSTEM BE ACCEPTED AS THE SOLE MEANS OF EQUIPMENT GROUNDING.
C. GROUNDED (NEUTRAL) CONDUCTORS ARE ONLY REQUIRED FOR 120V LOADS OR POLYPHASE LOADS THAT REQUIRE 120V POWER.
D. REFERENCE PLAN DRAWINGS FOR ACTUAL RECEPTACLE TYPE AND NEMA CONFIGURATION.
E. ISOLATED GROUND RECEPTACLES SHALL BE ORANGE FACE.

CONDUCTOR LEGEND
- GC - GROUNDED NEUTRAL CONDUCTOR
- EGC - EQUIPMENT GROUNDING CONDUCTOR
- IG - ISOLATED GROUNDING CONDUCTOR
- GEC - GROUNDING ELECTRODE CONDUCTOR

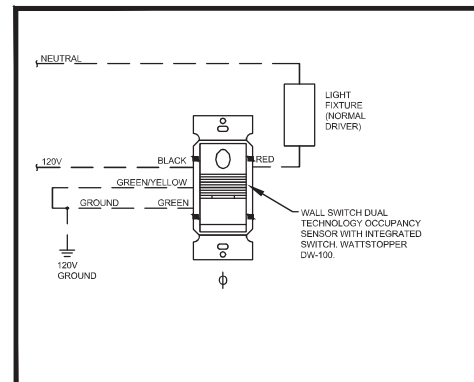
ISOLATED GROUND DETAIL SCALE N.T.S. 1



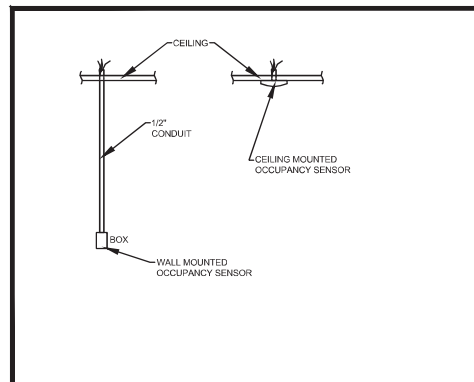
SALES AREA LIGHTING CONTROL WIRING DIAGRAM SCALE N.T.S. 5A



STORAGE AND RESTROOM LIGHTING CONTROL WIRING SCALE N.T.S. 5B



WALL SWITCH OCCUPANCY SENSOR WIRING DIAGRAM SCALE N.T.S. 5C



OCCUPANCY AND DIMMING PHOTOSENSOR ELEVATION SCALE N.T.S. 5D

Project Name and Address	CEFCO #426 - PACE
Date	10/26/2021
Issue for Client Review	1
Issue for Client Review	1
Revision/Issue	

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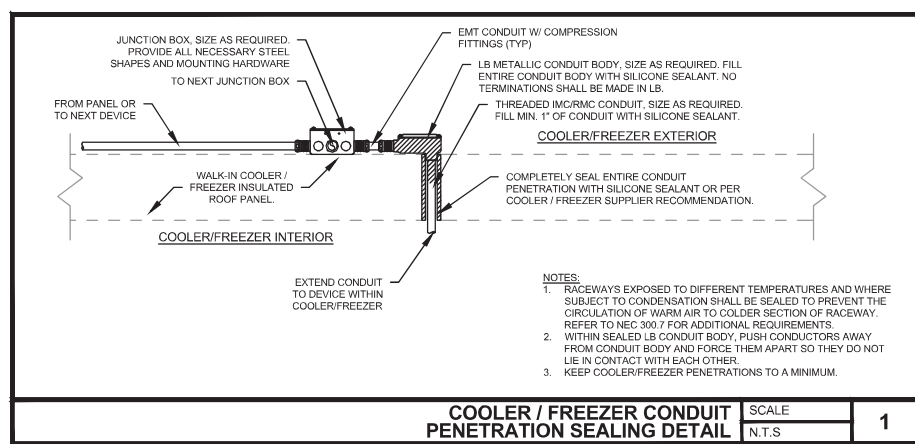
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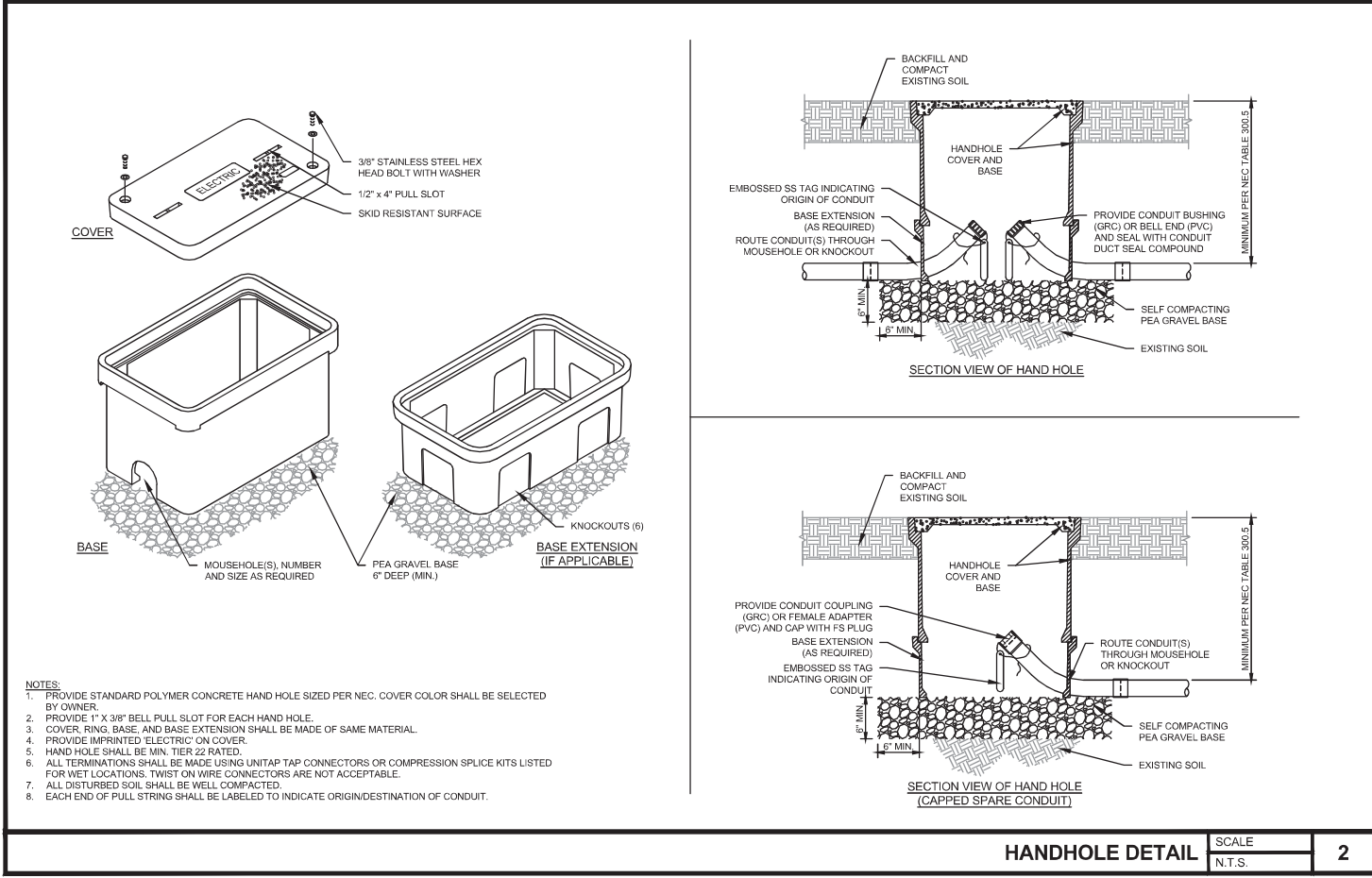
Sheet Title
ELECTRICAL DETAILS

Project No.	170-84.00	Sheet	E5.0
Date	AS NOTED		
Scale	AS NOTED		



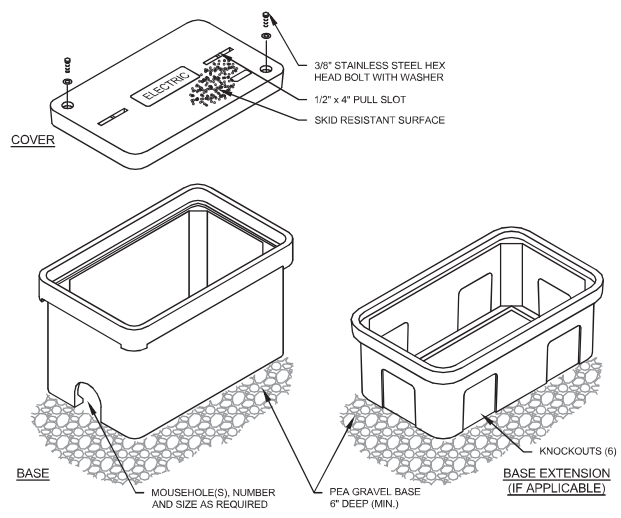
- NOTES:
1. RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES AND WHERE SUBJECT TO CONDENSATION SHALL BE SEALED TO PREVENT THE CIRCULATION OF WARM AIR TO COLDER SECTION OF RACEWAY. REFER TO NEC 300.7 FOR ADDITIONAL REQUIREMENTS.
 2. WITHIN SEALED L.B. CONDUIT BODY, PUSH CONDUCTORS AWAY FROM CONDUIT BODY AND FORCE THEM APART SO THEY DO NOT LIE IN CONTACT WITH EACH OTHER.
 3. KEEP COOLER/FREEZER PENETRATIONS TO A MINIMUM.

COOLER / FREEZER CONDUIT PENETRATION SEALING DETAIL SCALE: N.T.S. 1



- NOTES:
1. PROVIDE STANDARD POLYMER CONCRETE HAND HOLE SIZED PER NEC. COVER COLOR SHALL BE SELECTED BY OWNER.
 2. PROVIDE 1" X 3/8" BELL PULL SLOT FOR EACH HAND HOLE.
 3. COVER, RING, BASE, AND BASE EXTENSION SHALL BE MADE OF SAME MATERIAL.
 4. PROVIDE IMPRINTED 'ELECTRIC' ON COVER.
 5. HAND HOLE SHALL BE MIN. TIER 22 RATED.
 6. ALL TERMINATIONS SHALL BE MADE USING UNITAP TAP CONNECTORS OR COMPRESSION SPLICE KITS LISTED FOR WET LOCATIONS. TWIST ON WIRE CONNECTORS ARE NOT ACCEPTABLE.
 7. ALL DISTURBED SOIL SHALL BE WELL COMPACTED.
 8. EACH END OF PULL STRING SHALL BE LABELED TO INDICATE ORIGIN/DESTINATION OF CONDUIT.

HANDHOLE DETAIL SCALE: N.T.S. 2



- NOTES:
1. PROVIDE STANDARD POLYMER CONCRETE HAND HOLE SIZED PER NEC. COVER COLOR SHALL BE SELECTED BY OWNER.
 2. PROVIDE 1" X 3/8" BELL PULL SLOT FOR EACH HAND HOLE.
 3. COVER, RING, BASE, AND BASE EXTENSION SHALL BE MADE OF SAME MATERIAL.
 4. PROVIDE IMPRINTED 'ELECTRIC' ON COVER.
 5. HAND HOLE SHALL BE MIN. TIER 22 RATED.
 6. ALL TERMINATIONS SHALL BE MADE USING UNITAP TAP CONNECTORS OR COMPRESSION SPLICE KITS LISTED FOR WET LOCATIONS. TWIST ON WIRE CONNECTORS ARE NOT ACCEPTABLE.
 7. ALL DISTURBED SOIL SHALL BE WELL COMPACTED.
 8. EACH END OF PULL STRING SHALL BE LABELED TO INDICATE ORIGIN/DESTINATION OF CONDUIT.

Date	11/03/2023
Revision/Issue	1
Issue For Client Review	ISSUE FOR CLIENT REVIEW

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CEFCO

CONVENIENCE STORES

ANDREW MOHR, P.E.
FL REG. NO. 73077

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REVIEWED FOR CODE COMPLIANCE

Coastal Code Services

EXAMINER: PVX23MPTX1183LP203PQ2109
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DATE: 02/03/2023

Project Name and Address
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

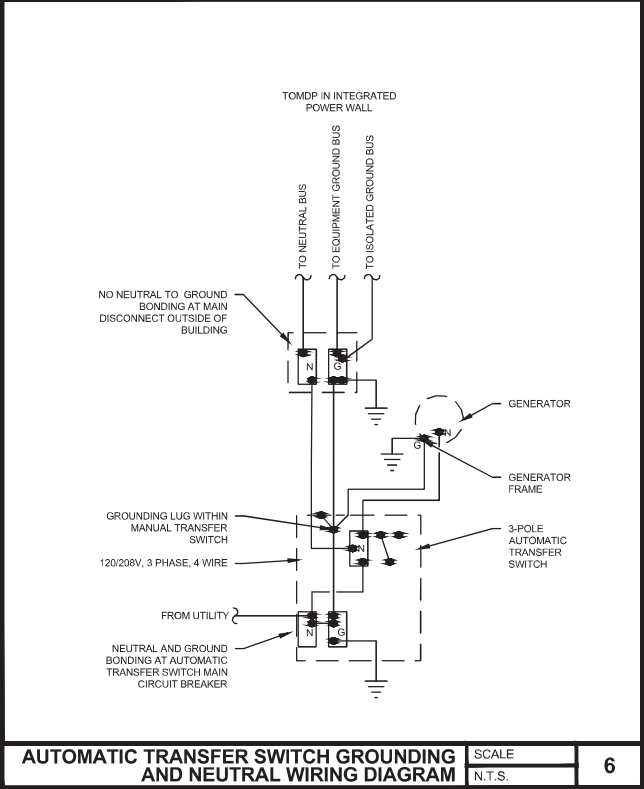
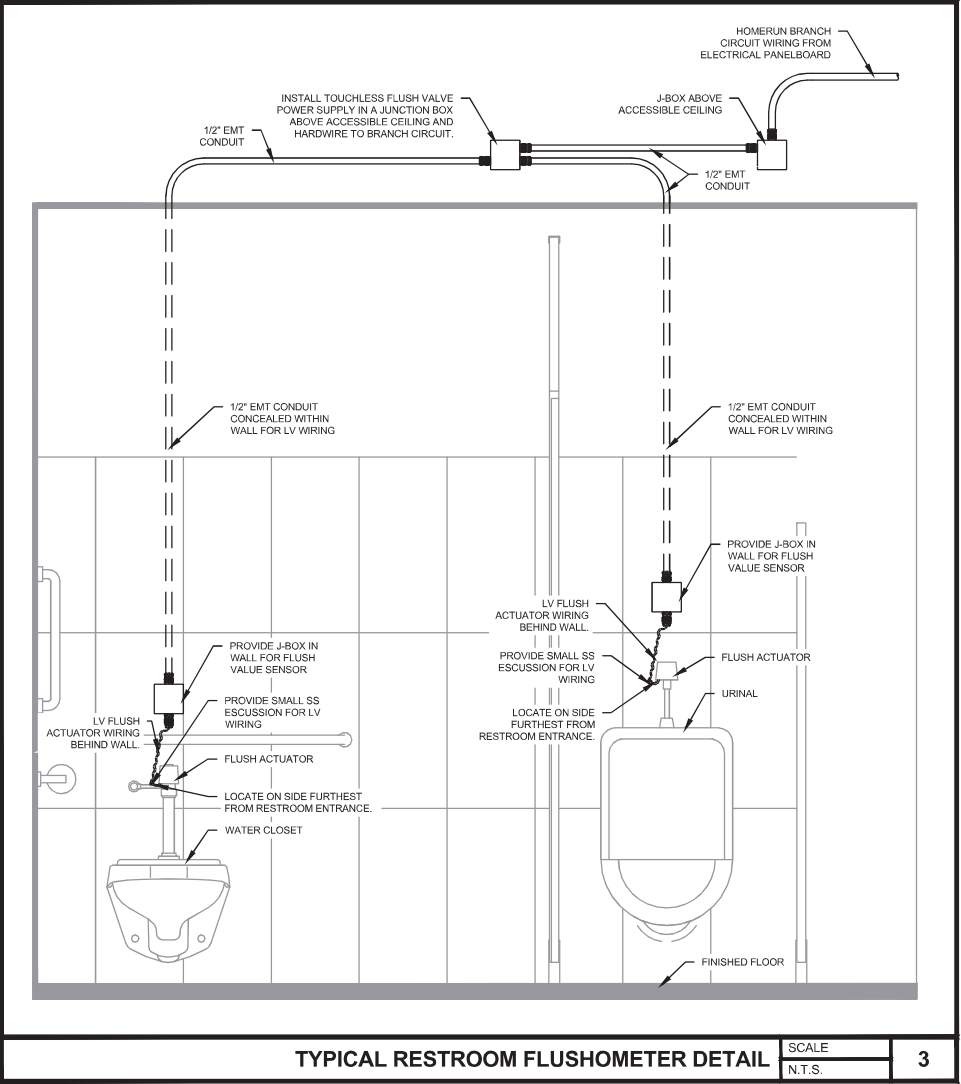
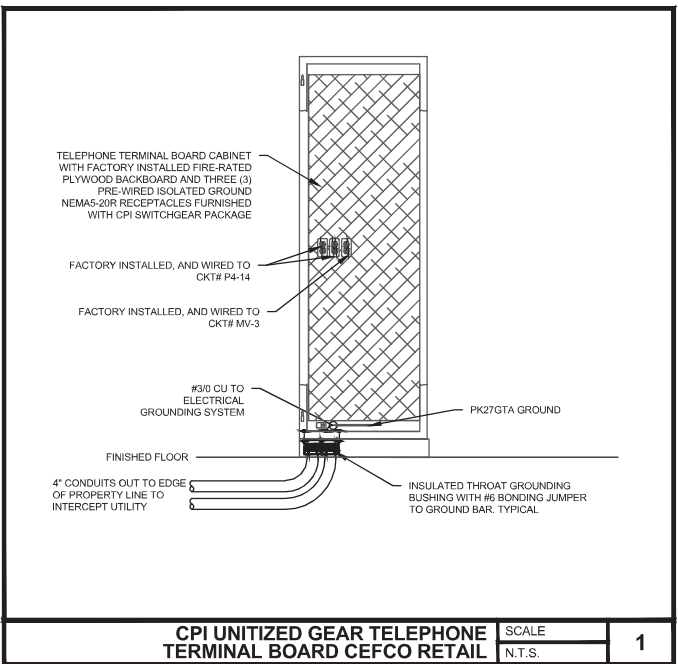
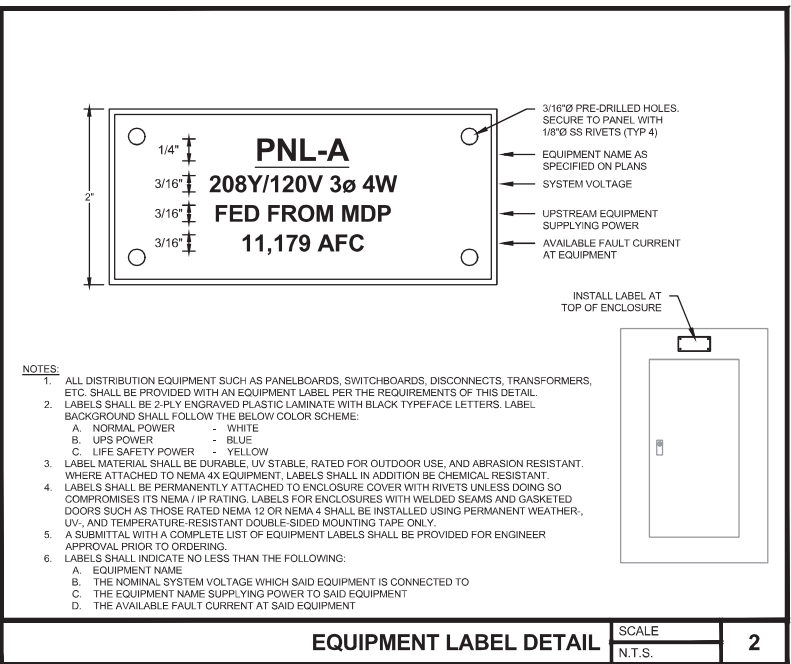
Sheet Title
ELECTRICAL DETAILS

Project No.
170-84.00

Date
AS NOTED

Scale
AS NOTED

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E5.1



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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

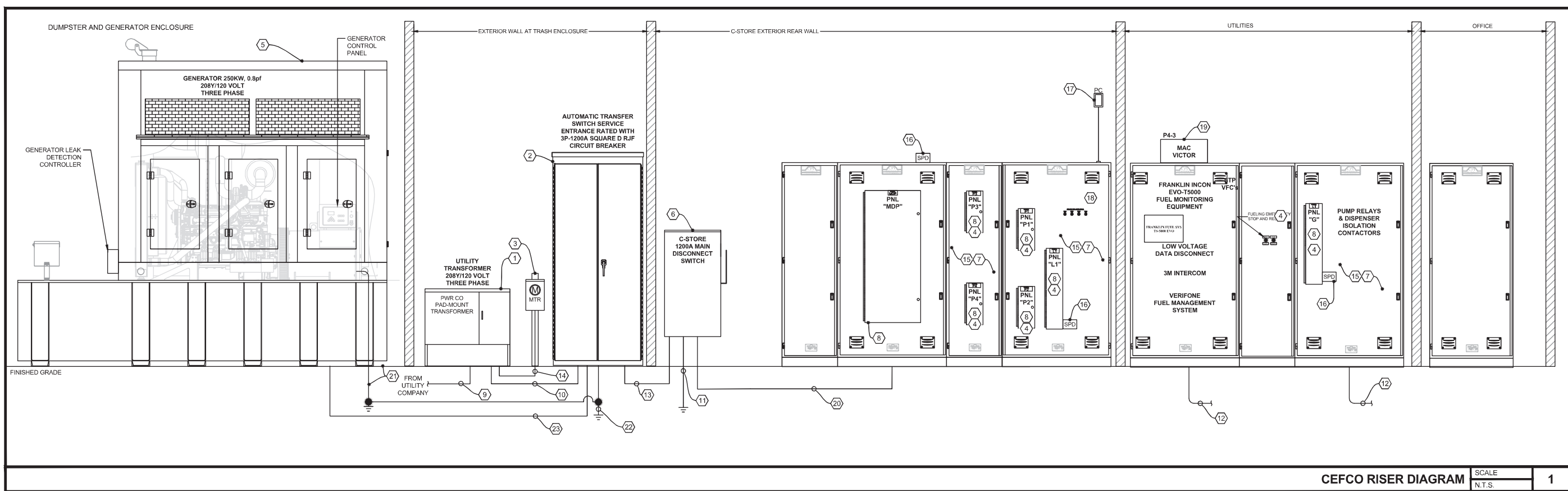
Sheet Title
ELECTRICAL DETAILS

Project No.
 170-84.00

Date
 AS NOTED

Scale
 AS NOTED

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E5.2



CEFCO RISER DIAGRAM SCALE N.T.S. 1

CEFCO RISER DIAGRAM KEYED NOTES:

- 1 POWER COMPANY PAD MOUNTED TRANSFORMER: SERVICE SHALL BE 208Y/120V, 3Ø, 4-WIRE TYPE. COORDINATE EXACT LOCATION WITH POWER COMPANY. MOUNT TRANSFORMER ON CONCRETE PAD, FURNISHED BY ELECTRICAL CONTRACTOR.
- 2 SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH(ATS): 1200A, 600V, 3-POLE, NEMA-3R, SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH (ATS), ASCO 300SE TYPE HAUS 1200. CIRCUIT BREAKERS AND ATS SHALL BE HAVE 100,000 AIC RATING. REFER TO MANUFACTURER INSTALLATION MANUAL FOR AUXILIARY WIRING REQUIREMENTS PRIOR TO INSTALLATION. REFER TO AUTOMATIC TRANSFER SWITCH GROUNDING AND NEUTRAL WIRING DIAGRAM DETAIL-6 ON SHEET E5.2
- 3 METER SOCKET: PROVIDE APPROVED MODEL METER SOCKET PER POWER COMPANY REQUIREMENTS.
- 4 PANEL SERIES RATING LABEL: PROVIDE A SERIES RATING LABEL PER DETAIL 4 ON SHEET E5.2.
- 5 OPTIONAL STANDBY DIESEL GENERATOR: 250 KW, 0.8PF, 208Y/120V, 3Ø, 4-WIRE, JOHN DEERE STANDBY GENERATOR, BLUE STAR POWER SYSTEMS MODEL #432C3L6210. PROVIDE WITH LEVEL 2 ENCLOSURE (W/P) AND 750 GAL. DIESEL TANK TO OPERATE 48HR CONTINUOUS. REFER TO MANUFACTURER INSTALLATION MANUAL FOR AUXILIARY WIRING REQUIREMENTS PRIOR TO INSTALLATION. GENERATOR INSTALLER SHALL ANCHOR IT TO THE DUMPSTER PAD. INCLUDE VIBRATION ISOLATION MOUNTS. FUEL TANK SHALL BE FULL WHEN BUILDING IS TURNED OVER TO OWNER. INCLUDE 3P-1000A CIRCUIT BREAKER AT GENERATOR.
- 6 FUSIBLE DISCONNECT SWITCH: 1200A, 600V, 3-POLE, NEMA-3R FUSIBLE DISCONNECT W/ (3) 1200A FUSES AND THREE (3) SPARE 1200A FUSES FURNISHED BY OWNER AS PART OF CPI PACKAGE.
- 7 CPI UNITIZED SWITCHBOARD: SWITCHBOARD SHALL BE FACTORY WIRED AND ASSEMBLED WITH ELECTRICAL PANELS, LIGHTING CONTROLS, FUEL EQUIPMENT, INTERCOM, AND POS. PROVIDE WITH 4" GALVANIZED BASE AND DOCUMENT HOLDER. UNITIZED SWITCHBOARD SHALL BE FURNISHED BY OWNER AND INSTALLED BY EC.
- 8 C-STORE ELECTRICAL PANELS: THESE PANELS ARE FULLY EQUIPPED WITH BOLT-ON TYPE CIRCUIT BREAKERS AND FACTORY WIRED AND INSTALLED IN CPI UNITIZED SWITCHBOARD. REFER TO PANEL SCHEDULES FOR RATINGS. PROVIDE LABEL PER EQUIPMENT LABEL DETAIL 2 ON SHEET E5.2.
- 9 POWER COMPANY PRIMARY CONDUIT SYSTEM: PROVIDE CONDUIT SYSTEMS, IF REQUIRED, FOR POWER COMPANY PRIMARY SERVICE CONDUCTORS. POINT OF INTERCEPTION WITH POWER COMPANY SHALL BE PER POWER COMPANY FIELD REPRESENTATIVE DIRECTION.
- 10 SERVICE ENTRANCE: (4) SETS OF 4-#600 KCMIL COMPACT AL XHHW EACH IN 4" CONDUIT. OWNER WILL PROVIDE THE CONDUCTORS FOR THE EC TO INSTALL. COMPACT ALUMINIUM CONDUCTORS SHALL HAVE OWNER PROVIDED HI PRESS LUGS FOR INSTALLATION BY EC ON COMPACT ALUMINIUM CONDUCTORS.
- 11 GROUNDING ELECTRODE CONDUCTOR: PROVIDE 1-#4/0 CU PVC INSULATED CONDUCTOR ROUTED FROM MAIN DISCONNECT SWITCH IN 3/4" PVC CONDUIT. BOND GROUNDING ELECTRODE CONDUCTOR TO 2-3/4" X 10" CU CLAD GROUND RODS, CONCRETE ENCASED ELECTRODE, BUILDING STEEL, AND METAL COLD WATER PIPE TO OBTAIN A RESISTANCE OF 10 OHMS OR LESS.
- 12 CONDUIT FOR FUEL EQUIPMENT: ROUTE CONDUIT AND WIRING TO FUEL EQUIPMENT. PROVIDE EXPLOSION-PROOF SEAL-OFFS AS REQUIRED BY NEC. REFER TO ELECTRICAL PLAN DRAWINGS, TANK ELECTRICAL DRAWINGS, AND PANEL SCHEDULES FOR EQUIPMENT/CONSUMER LOCATIONS AND BRANCH CIRCUIT REQUIREMENTS. REFER TO EQUIPMENT INSTALLATION MANUALS PRIOR TO INSTALLATION.
- 13 C-STORE SERVICE FEEDER: (4) SETS OF 4-#600 KCMIL COMPACT AL AND 1-#4/0 CU EG EACH IN 4" CONDUIT. OWNER WILL PROVIDE THE CONDUCTORS FOR THE EC TO INSTALL. COMPACT ALUMINIUM CONDUCTORS SHALL HAVE OWNER PROVIDED HI PRESS LUGS FOR INSTALLATION BY EC ON COMPACT ALUMINIUM CONDUCTORS.
- 14 CT WIRING CONDUIT: PROVIDE A 1-1/2" CONDUIT WITH PULL CORD INSTALLED FOR UTILITY PROVIDED CT METER WIRING.
- 15 C-STORE ELECTRICAL SUB-PANEL FEEDERS: THESE FEEDERS ARE FACTORY WIRED BY CPI. REFER TO PANEL SCHEDULE FOR NUMBER AND SIZE.
- 16 SURGE PROTECTIVE DEVICE: FURNISHED AND INSTALLED IN CPI UNITIZED GEAR.
- 17 PHOTOCELL: INSTALL CPI FURNISHED PHOTOCELL ON NORTH SIDE OF BUILDING TO CONTROL ON/OFF CIRCUIT TO LIGHTING CONTACTOR. EXACT LOCATION OF PHOTOCELL DEVICE TO BE AS DIRECTED BY GENERAL CONTRACTOR.
- 18 RESETTABLE CONTACTOR: FACTORY WIRED AND INSTALLED. RESETTABLE CONTACTORS WITH THE BELOW CIRCUITS ROUTED THROUGH IT. WHEN THE HOOD FIRE SUPPRESSION SYSTEM IS ACTIVATED, THE CONTACTOR SHALL OPEN THE CIRCUITS. CIRCUITS: MDP-20,22,24 [56A], P1-1[55], P3-13,15,17[54], P3-33,35,37[R], P3-39[S], L1-23.
- 19 MACVICTOR UPS: MACVICTOR BATTERY BACKUP AND POWER CONDITIONER FURNISHED BY OWNER AS PART OF CPI PACKAGE. COORDINATE WITH OWNER FOR FINAL LOCATION. MAKE ALL CONNECTIONS.
- 20 C-STORE SERVICE FEEDER WITH ISOLATED GROUND: (4) SETS OF 4-#600 KCMIL COMPACT AL XHHW, 1-#4/0 CU IG AND 1-#4/0 CU EG EACH IN 4" CONDUIT. OWNER WILL PROVIDE THE CONDUCTORS FOR THE EC TO INSTALL. COMPACT ALUMINIUM CONDUCTORS SHALL HAVE OWNER PROVIDED HI PRESS LUGS FOR INSTALLATION BY EC ON COMPACT ALUMINIUM CONDUCTORS.
- 21 GENERATOR EQUIPOTENTIAL GROUND: GROUND ENCLOSURE/FRAME AT TWO PLACES ON OPPOSITE CORNERS AS WELL AS TANK WITH 1-#4/0 PVC INSULATED CONDUCTOR TO 3/4" X 10" CU CLAD GROUND ROD. ROUTE GROUND CONDUCTORS IN 3/4" PVC CONDUIT.
- 22 GROUNDING ELECTRODE CONDUCTOR(GEC): INSTALL MAIN BONDING JUMPER TO ESTABLISH NEUTRAL-GROUND BOND. INSTALL 1-#6/0 PVC INSULATED GROUNDING ELECTRODE CONDUCTOR (GEC) ROUTED IN 3/4" PVC CONDUIT TO GROUNDING ELECTRODE SYSTEM. GROUNDING ELECTRODE SYSTEM CONSISTING OF 2-3/4" X 10" CU CLAD GROUND RODS, CONCRETE ENCASED ELECTRODE, BUILDING STEEL, AND METAL COLD WATER PIPE. ADD DRIVEN GROUND RODS IN PARALLEL UNTIL A RESISTANCE OF 10 OHMS IS ACHIEVED.
- 23 GENERATOR FEEDER: (4) SETS OF 4-#500 KCMIL COMPACT AL AND 1-2/0 CU EACH IN 4" CONDUIT. OWNER WILL PROVIDE THE CONDUCTORS FOR THE EC TO INSTALL. COMPACT ALUMINIUM CONDUCTORS SHALL HAVE OWNER PROVIDED HI PRESS LUGS FOR INSTALLATION BY EC ON COMPACT ALUMINIUM CONDUCTORS.

UNITIZED SWITCHBOARD SUPPLIER

CAROLINA PRODUCTS, INC.
 CONTACT NAME: ERIC LINE
 PHONE NUMBER (800) 736-4455
 EMAIL: ERICL@CPIPANELS.COM

CEFCO SHORT CIRCUIT AND VOLTAGE DROP CALCULATION ALUMINIUM SCALE N.T.S. 2

Fault Point (F#)	Bus/Feeder Description	Phase	Source (Fault Point)	Source (amps)	Feeder (Type)	Material (CU or AL #)	Wire/Bus Size	Conductor 'C' value	Busway C value	L-L Volts E	Circuit Length L	Load Power Factor(pf)	Circuit Load A	Conductor Resistance R	Conductor Reactance X	Conductor Impedance Z/∅	Transformer Type	kVA	Degree Rise	Z	V sec	f	M	FAULT CURRENT Isc	VOLTAGE DROP %VD	TOTAL V.D. %VD CUM		
1	Utility Service Point			66532	at the secondary of the utility transformer																							
2	ATS	3		66532	NM	AL	4	Set(s) of 600 kcmil	23451	206	25	0.9	910	0.00036	0.00039	0.451027								66532				
3	MAIN DISCONNECT	3	2	60237	NM	AL	4	Set(s) of 600 kcmil	23451	206	157	0.9	910	0.00036	0.00039	0.451027								0.154	0.87	60237	0.23%	0.23%
4	MDP	3	3	32746	NM	AL	4	Set(s) of 600 kcmil	23451	206	15	0.9	910	0.00036	0.00039	0.451027								0.840	0.54	32746	1.47%	1.70%
5	P1	3	4	31373	M	CU	1	Set(s) of 4/0 AWG	15082	206	15	0.95	165	0.00063	0.00051	0.317560								0.044	0.96	31378	0.14%	1.84%
6	P2	3	4	31373	M	CU	1	Set(s) of 4/0 AWG	15082	206	10	0.9	78	0.00063	0.00051	0.451027								0.260	0.79	24905	0.16%	2.03%
7	P3	3	4	31373	M	CU	1	Set(s) of 4/0 AWG	15082	206	10	0.9	187	0.00063	0.00051	0.451027								0.173	0.85	26744	0.05%	1.89%
8	P4	3	4	31373	M	CU	1	Set(s) of 1/0 AWG	8825	206	10	0.95	53	0.00120	0.00055	0.317560								0.173	0.85	26744	0.12%	1.97%
9	L1	3	4	31373	M	CU	1	Set(s) of 4/0 AWG	15082	206	15	0.8	134	0.00063	0.00051	0.643501								0.293	0.77	24272	0.06%	1.93%
10	G	3	4	31373	M	CU	1	Set(s) of 4/0 AWG	15082	206	15	0.8	60	0.00063	0.00051	0.643501								0.260	0.79	24905	0.14%	1.98%
																								0.260	0.79	24905	0.08%	1.93%

REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
 Providing Smart & Sustainable Code Solutions

EXAMINER: PX2834PXL183ULP203P2109
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CEFCO
 CONVENIENCE STORES

Client Name and Address

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Project Name and Address

CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title

CEFCO ELECTRICAL RISER DIAGRAM

Project No.	170-84.00	Sheet
Date	AS NOTED	E6.0
Scale	AS NOTED	

PANELBOARD NOTES:

- 1. ALL BUSING SHALL BE COPPER.
2. BOLT-ON BREAKERS ONLY.
3. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY CARD.
4. ALL PANELBOARDS SHALL BE SUPPLIED FROM THE SAME MANUFACTURER.
5. IN EXISTING INSTALLATIONS, NEW CIRCUIT BREAKERS SHALL MATCH EXISTING IN TYPE AND AIC RATING, UNO.
6. CIRCUIT BREAKER TYPE ABBREVIATIONS ARE AS FOLLOWS:
AFCI ARC-FAULT CIRCUIT INTERRUPTER
F RED MARKING & "FIRE ALARM CIRCUIT"
GFCI GROUND-FAULT CIRCUIT INTERRUPTER
GFPE 30 mA EQUIPMENT GROUND FAULT PROTECTION
HT2 HANDLE TIE FOR SHARED NEUTRAL CIRCUIT (2 POLE)
HT3 HANDLE TIE FOR SHARED NEUTRAL CIRCUIT (3 POLE)
L/ON LOCKABLE "LOCK ON" HANDLE HARDWARE
L/OFF LOCKABLE "LOCK OFF" HANDLE HARDWARE
TAN TANDEM
SHNT SHUNT TRIP
SWD SWITCH DUTY RATED
SWN SWITCHED NEUTRAL
ETR EXISTING TO REMAIN
FW FACTORY WIRED
HOOD CIRCUIT CONTROLLED BY HOOD FIRE SUPPRESSION SYSTEM
NEW NEW TO MATCH EXISTING
REM REMOVE EXISTING AND PROVIDE NEW
TIC CIRCUIT THRU TIME CLOCK
PHO CIRCUIT THRU PHOTOCELL
LCP CIRCUIT THRU LIGHTING CONTROL PANEL
LC CIRCUIT THRU LIGHTING CONTACTOR

ELECTRICAL CONTRACTOR TO PROVIDE GFCI CIRCUIT BREAKERS AS REQUIRED. REFER TO PANEL SCHEDULE FOR MORE INFORMATION.

PANELBOARD: L1 (NEW)

BUS AMPS: 225A
MAIN SIZE TYPE: MCO
VOLTS/PHASE: 208Y/120V, 3PH, 4W

FAULT CURRENT: REFER TO ONE-LINE DIAGRAM
AIC RATING: 65000 SERIES RATED
SERVICES: MOUNTING SURFACE
ENCLOSURE: NEMA 1

PROVIDE EQUIPMENT GROUND BUS

Table with 18 columns: CRT NO., DESCRIPTION, CONDUCTOR & CONDUIT (PH, NEUT, GND, IG, COND), BREAKER (TYP, AMP, POLE), VOLT/AMPS/PHASE (A, B, C), BREAKER (TYP, AMP, POLE), CONDUCTOR & CONDUIT (COND, IG, GND, NEUT, PH), DESCRIPTION, CRT NO. Includes load summary and demand calculations.

NEW PANEL "L1" SCALE 1 N.T.S.

PANELBOARD: G (NEW)

BUS AMPS: 225A
MAIN SIZE TYPE: MCO
VOLTS/PHASE: 208Y/120V, 3PH, 4W

FAULT CURRENT: REFER TO ONE-LINE DIAGRAM
AIC RATING: 65000 SERIES RATED
SERVICES: MOUNTING SURFACE
ENCLOSURE: NEMA 1

PROVIDE EQUIPMENT GROUND BUS

Table with 18 columns: CRT NO., DESCRIPTION, CONDUCTOR & CONDUIT (PH, NEUT, GND, IG, COND), BREAKER (TYP, AMP, POLE), VOLT/AMPS/PHASE (A, B, C), BREAKER (TYP, AMP, POLE), CONDUCTOR & CONDUIT (COND, IG, GND, NEUT, PH), DESCRIPTION, CRT NO. Includes load summary and demand calculations.

NEW PANEL "G" SCALE 2 N.T.S.

REVIEWED FOR CODE COMPLIANCE



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Project Name and Address: CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571
Sheet Title: CEFCO ELECTRICAL PANEL SCHEDULES

TANK, PIPING & INSTALLATION NOTES:

GENERAL NOTES:

1. ALL NEW PETROLEUM EQUIPMENT, MATERIALS, AND ACCESSORIES SHALL BE DEP APPROVED. ALL PETROLEUM EQUIPMENT, MATERIALS AND ACCESSORIES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH APPLICABLE MANUFACTURER'S INSTRUCTIONS.
2. ALL TANKS AND PIPING INSTALLATION WORK IS TO BE PERFORMED BY A STATE REGISTERED POLLUTANT STORAGE SPECIALTY CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICANT STATE, COUNTY AND MUNICIPAL BUILDING CODE REQUIREMENT AND ORDINANCES; AND THE FOLLOWING REFERENCE STANDARDS:

NATIONAL FIRE PROTECTION ASSOCIATION:
 30 FLAMMABLE AND COMBUSTIBLE LIQUID CODE
 30A AUTOMOTIVE SERVICE STATION CODE
 329 UNDERGROUND LEAKAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS
 70 NATIONAL ELECTRIC CODE

AMERICAN PETROLEUM INSTITUTE:
 1615 INSTALLATION OF UNDERGROUND PETROLEUM STORAGE SYSTEMS
 1604 RECOMMENDED PRACTICE FOR ABANDONMENT OR REMOVAL OF USED U.G. STORAGE TANKS

PETROLEUM EQUIPMENT INSTITUTE:
 RP100 RECOMMENDED PRACTICES FOR INSTALLATION OF U.G. LIQUID STORAGE TANKS

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION:
 CONSTRUCTION SAFETY AND HEALTH REGULATIONS SUBPART P, 1926.50 THRU 1926.653

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING REQUIRED NOTICE(S) AND SCHEDULING APPLICABLE CITY, COUNTY AND/OR STATE INSPECTIONS AS REQUIRED FOR PERMIT CLOSE OUT(S).
5. STANDARD TANK/PIPING TEST SPECIFICATIONS
 - CERTIFIED CONTRACTOR TO PERFORM CARB TP-201.3, IN ADDITION TO THE FOLLOWING STANDARD TESTING:
 *** HYDROSTATIC TESTING FOR SPILL BUCKETS AND SUMPS
 *** PRECISION PRESSURE TESTING OF TANKS AND LINES

GENERAL PIPING NOTES:

1. GENERAL:

PIPING:

- 1.1. PRIMARY PRODUCT PIPING TO UTILIZE UPP PIPING AND PIPING LENGTHS SHALL USE 33 FT. STICKS BETWEEN DISPENSER POINTS. THESE WILL HAVE TO BE SHORTENED, AS NEEDED.
- 1.2. STEEL PIPE TO BE SCHEDULE 40 GALVANIZED. ALL PIPING AND SEALANT TO BE ALCOHOL COMPATIBLE.
2. PIPE JOINT SEAL:
- 2.1. GASOLINA SOFT SET SHALL BE USED ON ALL STEEL PIPE FITTINGS AND THREADED METAL CONNECTIONS.
3. TANK VENTS:
- 3.1. ALL TANKS VENTS SHALL BE S/W F/G PIPING. RISERS WILL BE SCHEDULED 40 GALVANIZED STEEL. CANOPY MANUFACTURER SUPPLIES IN-COLUMN PORTION OF VENT RISER.
4. BACKFILL:
- 4.1. BACKFILL OVER PRODUCT PIPING SHALL BE CLEAN, COMPACTED PEA GRAVEL. PIPING SHALL BE LAID AND CONTINUOUSLY SUPPORTED ON 6" OF COMPACTED PEA GRAVEL.
- 4.2. NO PIPING SHALL BE SUPPORTED BY BLOCKS, PLANKS OR OTHER DEBRIS.
- 4.3. PIPING SHALL BE SEPARATED BY AT LEAST THE DIAMETER OF THE LARGER PIPE.
5. SLOPE:
 ALL PIPING MUST SLOPE TO UNDERGROUND TANKS. VENT AND VAPOR RECOVERY PIPING MUST SLOPE AT A MINIMUM RATE OF 1/8" PER FOOT.
6. MINIMUM 18" BEND RADIUS FOR CONDUIT. MINIMUM 5" RADIUS FOR PRODUCT PIPING.

ELECTRICAL NOTES:

1. N.E.C. ARTICLE 500 & 514 CONDITIONS FOR HAZARDOUS AREAS AND FUEL DISPENSING FACILITIES APPLY.
2. PROVIDE EXPLOSION PROOF SEALS-OFFS IN ACCORDANCE WITH ARTICLES 500, 501, AND 514 (CLASS 1, DIVISION 1 & 2) OF THE 2008 NATIONAL ELECTRICAL CODE TYPICAL FOR ALL CONDUITS IN CLASS 1 LOCATIONS, INCLUDING LOW VOLTAGE CONDUITS.
3. ALL CONDUITS IN CLASS 1 LOCATIONS SHALL BE GROUNDED AS PER NEC, 250.100 & 501.30. MATERIALS:

MATERIAL:

1. UPP SYSTEM SOLUTION PIPING IS TO PROVIDE SUFFICIENT PIPING AND FITTINGS TO COMPLETE ANY TYPICAL INSTALLATION TO THE INSTALLER BY THE OWNER. UNUSED MATERIALS SHALL BE INVENTORIED AND RETURNED CEFCO REPRESENTATIVE.
2. THERE ARE ONE TYPES OF PIPING:
- 2.1. COAXIAL, SECONDARILY CONTAINED DIRECT BURIAL FLEXIBLE PIPING "UPP UL971" WITH A 50 MM (2") I.D. PRIMARY AND A 63 MM (2 1/2") O.D. SECONDARY. THIS PIPING IS TYPICALLY DELIVERED IN ROUND ROLLS.
3. INSTALLATION REQUIREMENTS ARE SIMILAR FOR BOTH THE COAXIAL AND THE SINGLE THICKNESS PIPING.
4. FITTINGS FOR ELBOWS, TEES, NPT ADAPTORS AND BULKHEAD PENETRATION WITH UPP ARE PROPRIETARY, AND NO SUBSTITUTIONS ARE PERMITTED.
5. TOOLS FOR HANDLING AND INSTALLATION ARE PROPRIETARY FOR UPP PIPING AND SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE INSTALLER.
6. DISPENSER SUMPS ARE POLYETHYLENE PRODUCTS OF UPP. WHILE THE TANK SUMP ARE OF FIBERGLASS CONSTRUCTION. FOR BONDING TO THE SECONDARY CONTAINMENT RING OF THE UNDERGROUND TANK. THIS SUMP IS PRESENTLY NOT A UPP PRODUCT.

HANDLING:

1. HANDLE UPP PIPING AND FITTINGS WITH CARE, AS WITH ANY PETROLEUM PIPING. DO NOT ACCEPT PIPING FOR USE WHERE SURFACE DAMAGE, CUTS, GOUGES, EXCEEDS ONE TENTH(1/16") OF THE MATERIAL THICKNESS.
2. USE NO METALLIC SLINGS TO LIP UPP PIPING.
3. UPP PIPING WHILE FLEXIBLE. MAY CONTAIN MORE STORED ENERGY THAN COMPARABLE PRODUCTS SHIPPED IN ROLLS. USE ADDITIONAL PERSONNEL AND SLIP KNOT ROPE AROUND BUNDLE WITHIN RELEASING PACKING BANDS.
4. USE ONLY UPP CUTTERS AND SHAVERS FOR PIPE PREPARATIONS.
5. THE ELECTOR FUSION WELDER IS NOT EXPLOSION PROOF, DO NOT POSITION THE UNIT IN ANY CLASSIFIED HAZARDOUS AREAS OR WHERE AN EXPLOSIVE ATMOSPHERE MAY EXIST.
6. UPP SYSTEM SOLUTION PIPING USES TECHNOLOGY WHICH MAY BE UNFAMILIAR TO THE INSTALLER. DO NOT ATTEMPT INSTALLATION PRIOR TO TRAINING BY AUTHORIZED PETROTECHNIK PERSONNEL.

EMERGENCY INSTRUCTIONS

IN CASE OF FIRE OR SPILL:

1. USE EMERGENCY STOP BUTTON
2. REPORT ACCIDENT BY CALLING (SPECIFY LOCAL FIRE NUMBER) ON THE PHONE. REPORT LOCATION.

NFPA 30A 9.5.3 EMERGENCY INSTRUCTIONS, TYPICAL EACH DISPENSER

SIGNS SHALL BE CONSPICUOUSLY POSTED IN DISPENSING AREA AND INCORPORATE THE ABOVE OR EQUIVALENT WORDING

WARNING

IT IS UNLAWFUL & DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS.

NO SMOKING.

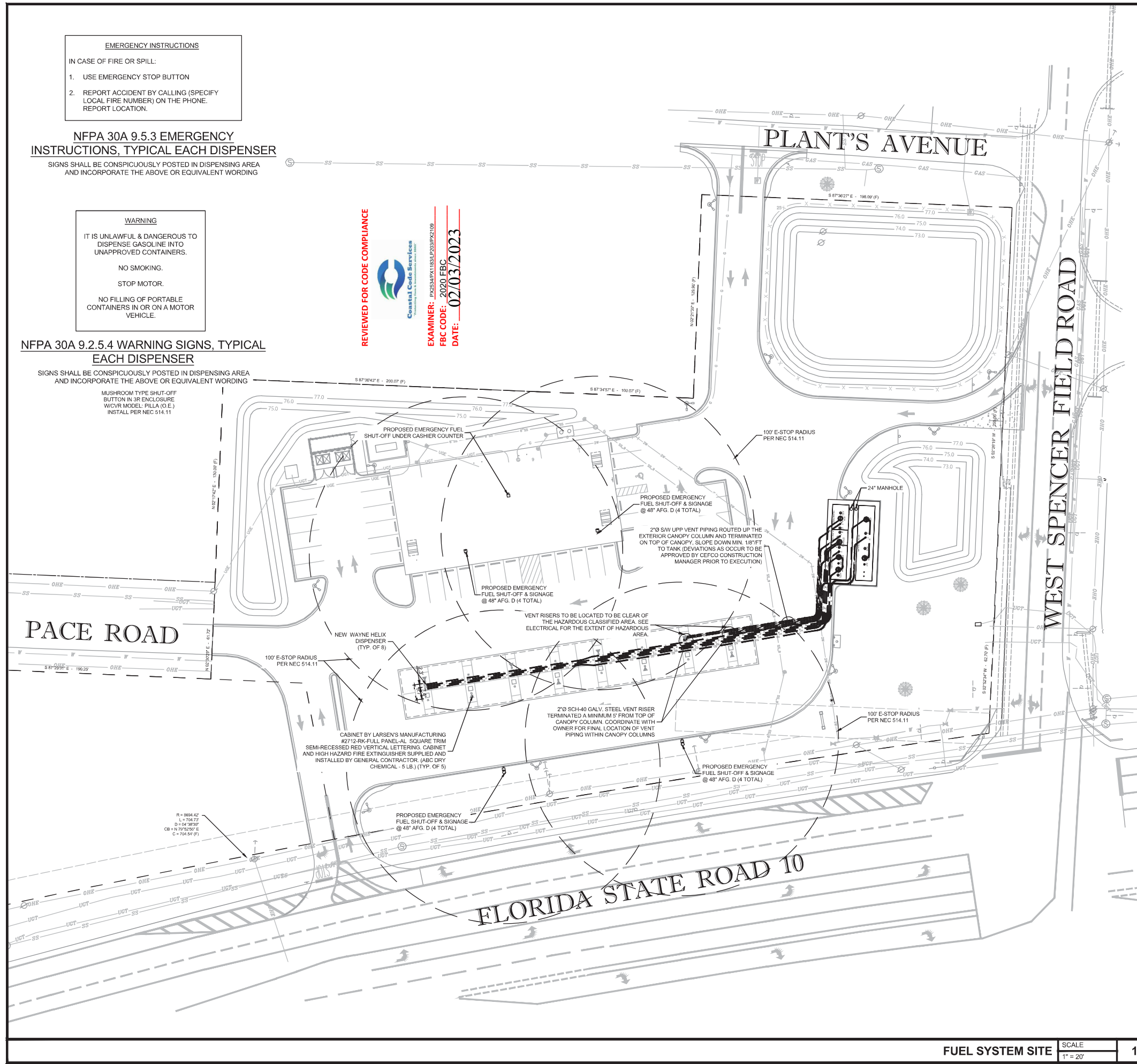
STOP MOTOR.

NO FILLING OF PORTABLE CONTAINERS IN OR ON A MOTOR VEHICLE.

NFPA 30A 9.2.5.4 WARNING SIGNS, TYPICAL EACH DISPENSER

SIGNS SHALL BE CONSPICUOUSLY POSTED IN DISPENSING AREA AND INCORPORATE THE ABOVE OR EQUIVALENT WORDING

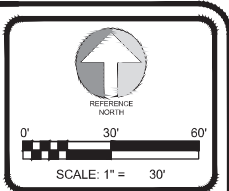
MUSHROOM TYPE SHUT-OFF BUTTON IN 3R ENCLOSURE W/KEY MODEL: P11A (O.E.) INSTALL PER NEC 514.11



REVIEWED FOR CODE COMPLIANCE



EXAMINER: PXS23MFK18BLP203PAC109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023



Date	10/29/2021
Revision/Issue	1
Issue for Permit	1
No.	1

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Client Name and Address

 CEFCO
 CONVENIENCE STORES

NISIT SAPPARKHAO, P.E.
 FL REG. NO. 64085

Date
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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 33571

Sheet Title
FUEL SYSTEM SITE PLAN

Project No.	170-84-00	Sheet	T1.0
Date	AS NOTED	Scale	AS NOTED

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PK2534PK1483A.P203PK2109
FBC CODE: 2020 FBC
DATE: 02/03/2023

	PREMIUM UNLEADED
	REGULAR UNLEADED
	DIESEL
	CONVENTIONAL
	VENT

REFERENCE NORTH

0' 20' 40'

SCALE: 1" = 20'

No.	1	Date	02/29/2023
Revision/Issue	ISSUE FOR PERMIT		

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Project Name and Address

CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title

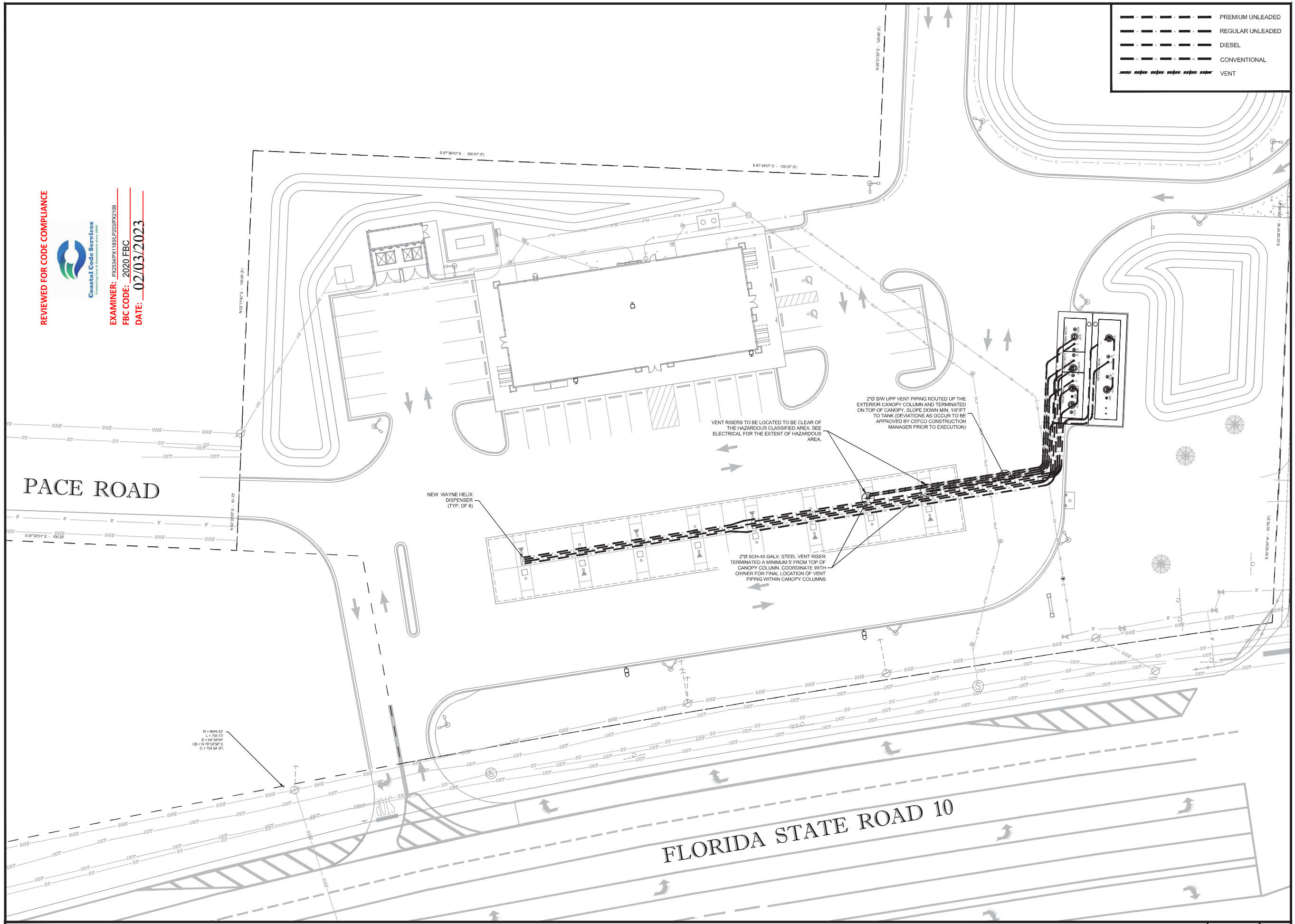
FUEL PIPING LAYOUT

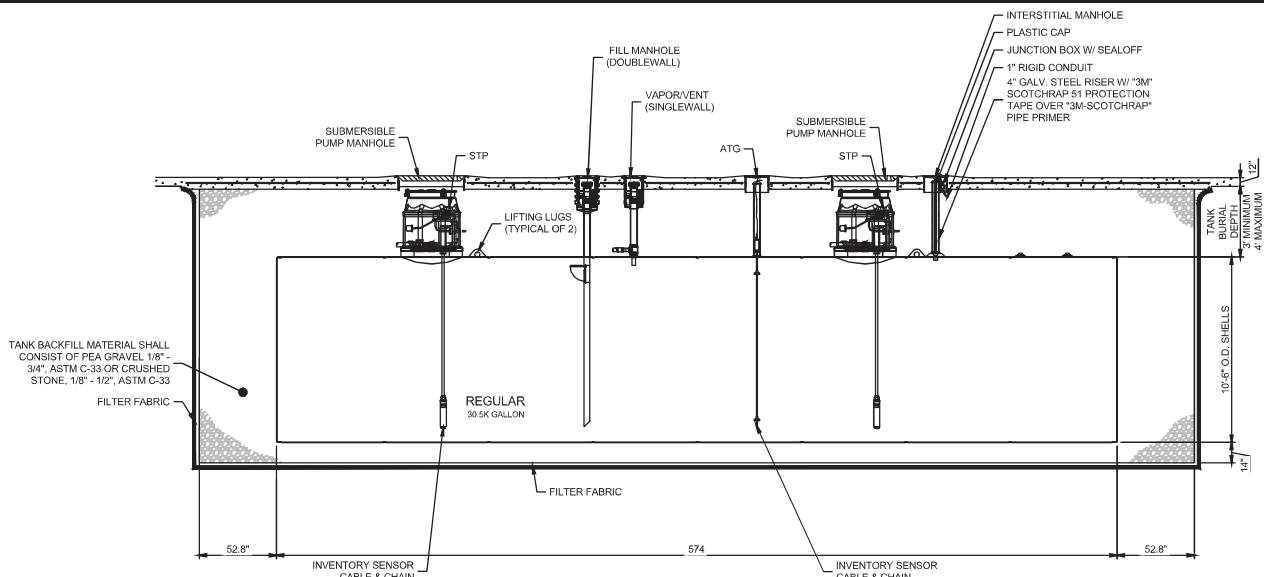
Project No. 170-84.00

Date AS NOTED

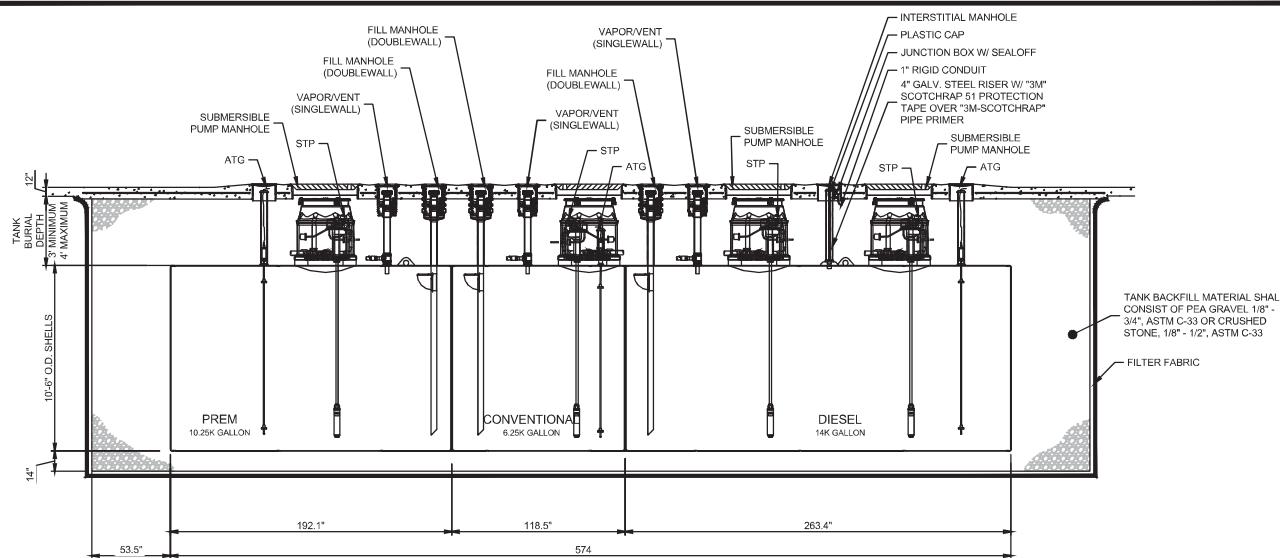
Scale AS NOTED

Sheet T2.0





TANK SECTION - 30.5K GALLON REGULAR SCALE: NTS 1



COMPARTMENTED 30.5K GALLON TANK SECTION - 10.25K GALLON PREM/6.25K GALLON CONV/14K GALLON DIESEL SCALE: NTS 2

TANK INSTALLATION

- 1.0 CONTRACTOR SHALL COORDINATE DELIVERY DATE OF TANKS WITH THE MANUFACTURER, CEFCO CONSTRUCTION MANAGER, AND THE PROJECT SCHEDULE.
- 2.0 TANK MANUFACTURER'S INSTALLATION PROCEDURE SHALL BE FOLLOWED, AND THE INSTALLATION CHECKLIST SHALL BE INITIALED/SIGNED BY CONTRACTOR AND CEFCO CONSTRUCTION MANAGER, AS APPROPRIATE, AS EACH STEP IS COMPLETED.
- 3.0 AN UNDERGROUND EQUIPMENT INSTALLATION AFFIDAVIT SHALL BE FILLED OUT BY CONTRACTOR 7.0 AND SUBMITTED TO THE CEFCO CONSTRUCTION MANAGER IN BOUND PROJECT CLOSE OUT FOLDER
- 4.0 LIFTING EQUIPMENT SHALL BE ADEQUATE TO HANDLE TANK WITHOUT DRAGGING. USE ALL LIFTING LUGS AND GUIDELINES WHEN LIFTING TANKS. REST TANKS ON SMOOTH AND DEBRIS FREE GROUND. CHOCK TANKS TO PREVENT ROLLING AND TIE THEM DOWN IF HIGH WINDS ARE EXPECTED. USE MINIMUM 1/2" DIAMETER NYLON OR HEMP ROPE OVER TANK AND TIE TO WOODEN STAKES OF ADEQUATE SIZE TO PREVENT TANKS FROM BEING MOVED BY HIGH WINDS. DO NOT DRAG, ROLL, OR IMPACT TANKS.
- 5.0 TANK SHALL BE PLACED ACCORDING TO THE TANK MANUFACTURER'S INSTALLATION MANUAL AND THE CEFCO TANK DRAWINGS. PLEASE NOTE THAT IF THE SOIL IS UNSTABLE, THE STANDARDS MAY BE INCREASED. DISTANCE BETWEEN TANKS SHALL BE GOVERNED BY MANUFACTURER'S OR STATE AND LOCAL REQUIREMENTS WHICHEVER IS GREATER.
- 5.1 TANKS SHALL BE CONTINUOUSLY VENTED, BY CONTRACTOR, AT ALL TIMES THROUGHOUT CONSTRUCTION.
- 6.0 PRE-INSTALLATION TANK TESTING.
 - 6.1 CEFCO CONSTRUCTION MANAGER SHALL WITNESS PRE-INSTALLATION TANK TESTING.
 - 6.2 CONTRACTOR SHALL NOTIFY CEFCO CONSTRUCTION MANAGER TWO WORKING DAYS PRIOR TO TESTING AND TANK INSTALLATION.
 - 6.3 TANKS ARE TO BE SET LEVEL AND BACKFILLED TO TOP OF TANK THE SAME DAY AS TESTING.
 - 6.4 CONTRACTOR TO PROVIDE TANK TEST MANIFOLD PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS.
 - A. CONTRACTOR TO FURNISH AIR PRESSURE GAUGE WITH A MAXIMUM FULL SCALE READING OF 15 PSIG WITH 1/4 OR 1/10 PSIG INCREMENTS. PRESSURE GAUGE TO BE IN GOOD REPAIR AND HAVE A CALIBRATION DATE WITHIN 30 DAYS OF USE. PRESSURE GAUGES DAMAGED OR OUT OF CALIBRATION WILL NOT BE PERMITTED.
 - B. THE PRESSURE RELIEF VALVE ON THE TEST MANIFOLD MUST BERATED AT 6 PSIG TO REDUCE THE RISK OF OVER PRESSURIZING THE TANK.
 - 6.5 TESTING THE PRIMARY (INTERNAL) TANK
 - A. CONNECT THE TEST MANIFOLD TO AN AVAILABLE SERVICE FITTING. CHECK EACH REMAINING SERVICE FITTING TO ENSURE TANK SERVICE FITTINGS ARE PROPERLY SEATED, ADEQUATELY DOPED, PLUGGED, AND TIGHTENED.
 - B. PRESSURIZE THE PRIMARY TANK TO 5 PSIG. ADD OR REMOVE AIR AS NECESSARY AND ALLOW THE PRESSURE TO STABILIZE. CLOSE THE VALVE ON THE TEST MANIFOLD AIR SUPPLY LINE.
 - C. MONITOR THE PRESSURE FOR 1 HOUR. SOAP TEST (USING HIGH FOAMING TEST SOLUTION - SEAM TEST SOLUTION MANUFACTURED BY WITHIN PRODUCTS, CHARLOTTE, NC, AMWAY LOC SOAP, OR APPROVED EQUAL) ALL SERVICE FITTING, MANWAYS AND PLUGS. WATCH FOR ACTIVE AIR BUBBLES WHICH INDICATE A LEAK.
 - D. CONNECT THE TEST MANIFOLD TO AN AVAILABLE SERVICE FITTING CHECK EACH REMAINING SERVICE FITTING TO ENSURE TANK SERVICE FITTINGS ARE PROPERLY SEATED, ADEQUATELY DOPED, PLUGGED, AND TIGHTENED.
 - 6.6 THE SECONDARY (EXTERNAL) TANK
 - A. MAINTAIN PRESSURE ON THE PRIMARY TANK. PLUG ALL OPEN FITTINGS ON THE SECONDARY TANK.
 - B. FREE THE HOSE FROM THE SERVICE TINTING BY CUTTING THE NYLON SAFETY TIE.
 - C. INSERT THE HOSE INTO THE QUICK DISCONNECT CHECK VALVE. THIS WILL ALLOW AIR TO TRANSFER FROM THE PRIMARY TO THE SECONDARY TANK.
 - D. PRESSURIZE THE 5 PSIG. ADD OR REMOVE AIR VIA THE SUPPLY VALVE AS NEEDED AND ALLOW PRESSURE TO STABILIZE. CLOSE THE VALVE ON THE TEST MANIFOLD TO THE AIR SUPPLY LINE. **DO NOT USE AN AIR COMPRESSOR TO PRESSURIZE THE SECONDARY TANK.**
 - E. MONITOR THE PRESSURE FOR 1 HOUR, SOAP THE ENTIRE EXTERIOR OF THE TANK AND WATCH FOR ACTIVE AIR BUBBLES WHICH INDICATE A LEAK.
 - F. WHEN THE TEST IS COMPLETE, SLOWLY RELEASE AIR PRESSURE FROM THE TANK BY DISCONNECTING THE SUPPLY LINE AND OPENING THE SUPPLY VALVE ON THE TEST MANIFOLD. WHEN AIR FLOW FROM THE SUPPLY VALVE STOPS, REMOVE THE TEST MANIFOLD.

INSTALLATION

- 7.1 INSTALLING CONTRACTOR SHALL BE CERTIFIED BY TANK MANUFACTURER ON PROPER TANK INSTALLATION PROCEDURES.
- 7.2 BEDDING AND BACKFILL MATERIAL SHALL BE WELL WASHED AND FREE OF ICE AND SNOW AND MEET ASTM D-448. ASTM C-33 AND AASHTO M-43 FOR QUALITY AND SOUNDNESS. CONTRACTOR SHALL PROVIDE SIEVE ANALYSIS ACCEPTABLE TO CEFCO CONSTRUCTION MANAGER. THE TANK WARRANTY IS AUTOMATICALLY VOIDED IF MATERIAL OTHER THAN THE FOLLOWING APPROVED BED AND BACKFILL MATERIALS ARE EMPLOYED WITHOUT PRIOR WRITTEN APPROVAL FROM THE TANK MANUFACTURER.
 - 7.2.1 PEA GRAVEL WITH PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 3/4" DIAMETER WITH NO MORE THAN 5% PASSING A NO.8 SIEVE.
 - 7.2.2 CRUSHED STONE WITH PARTICLE SIZE NOT LESS THAN 1/8" OR MORE THAN 1/2" DIAMETER WITH NO MORE THAN 5% PASSING A NO. 8 SIEVE.
- 7.3 STANDARD INSTALLATION: PROCEDURE - DRY HOLE:
 - 7.3.1 PLACE MINIMUM 12" BEDDING MATERIAL SMOOTH AND LEVEL OVER EXCAVATION FLOOR. TANK TO BE SET LEVEL.
 - 7.3.2 SET TANKS LEVEL ON BEDDING MATERIAL. USE ALL LIFTING LUGS PROVIDED AND GUIDE ROPES AT EACH TANK END. DO NOT SET TANKS DIRECTLY ON DEADMEN OR CONCRETE SLAB IF USED. MEASURE TANK DIAMETER.
 - 7.3.3 PLACE 12" BACKFILL MATERIAL EVENLY AROUND TANKS. USE WOODEN DOWEL PROBE TO WORK BACKFILL COMPLETELY UNDER TANK BETWEEN RIBS AND UNDER ENDCAPS. USE EXTREME CARE IN BACKFILLING BENEATH TANK BOTTOM. BETWEEN RIBS AND UNDER END CAPS TO PROVIDE A SOLID SUPPORT FREE OF VOIDS. IT IS EXTREMELY IMPORTANT THAT CARE BE EXERCISED IN THE BACKFILLING OF THE TANKS UP TO TWO FEET IN DEPTH FROM THE TANK BOTTOM AS TANK FAILURES HAVE RESULTED WHERE VOIDS WERE EVIDENT UNDER THE TANKS. GOOD COMPACTION AND SUPPORT FOR THE TANK CAN BE OBTAINED BY SHAPING THE GRAVEL WITH A SHOVEL ALL AROUND THE PERIMETER OF EACH TANK.
 - 7.3.4 REPEAT 7.3.3 FOR NEXT 12". PROBING TO FILL ALL VOIDS AT THE CRITICAL 5 TO 7 O'CLOCK SUPPORT AREAS OF THE TANK
 - 7.3.5 FREELY ADD ADDITIONAL BACKFILL TO TANK TOPS. (ADDITIONAL PROBING NOT REQUIRED.) MEASURE TANK DIAMETER.
- 7.4 INSTALLATION PROCEDURE - WET HOLE
 - 7.4.1 THE FOLLOWING PROCEDURE SHALL APPLY WHERE HIGH WATER TABLE IS EVIDENT OR WHERE A FUTURE WATER CONDITION IS ANTICIPATED.
 - 7.4.2 WATER LEVEL SHOULD BE MAINTAINED AT THE LOWEST PRACTICAL LEVEL DURING INSTALLATION. A SUMP AND PUMP OR A SYSTEM OF WELL POINTS AND PUMPS IS THE RECOMMENDED METHOD TO MINIMIZE WATER LEVEL IN THE HOLE. IT IS RECOMMENDED THAT AN EXPERIENCED DEWATERING CONTRACTOR BE EMPLOYED TO DEWATER THE EXCAVATION. THE TYPE OF SYSTEM REQUIRED WILL DEPEND ON THE WATER FLOW RATE INTO THE HOLE. THE HOLE BOTTOM SHOULD BE LEVEL AND FREE OF ROCKS AND DEBRIS.
 - 7.4.3 PROVIDE A MINIMUM 12" THICK PEA GRAVEL BED AT BOTTOM OF HOLE. PEA GRAVEL MUST BE GRADED SMOOTH, COMPACTED AND LEVEL TO RECEIVE TANKS. CAREFULLY PLACE TANKS ON PEA GRAVEL BED. TANK IS TO BE SET LEVEL.
 - 7.4.4 BALLASTING:
 - 7.4.4.1 IF WATER IS REQUIRED TO SINK TANKS IN HIGH WATER TABLE CONDITION, THE MANUFACTURER'S TANK INSTALLATION INSTRUCTIONS MUST BE ADHERED TO EXACTLY.
 - 7.4.4.2 WATER WITHIN THE TANK CANNOT BE AT A HIGHER LEVEL THAN THE OUTSIDE GROUND WATER. IF WATER IS REQUIRED TO MAKE TANK INSTALLATION, THE CONTRACTOR WILL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR AND PAY FOR ALL WATER USED.
 - 7.4.4.3 BALLAST TANKS USING POTABLE WATER. REMOVE WATER ONLY AFTER TANK SLAB IS CURED. CONSULT CEFCO CONSTRUCTION MANAGER FOR PROPER DISPOSAL OF WATER REMOVED FROM TANK.
 - 7.4.5 WHILE LEVELING TANKS, INSURE THAT A MINIMUM DISTANCE OF 2'-0" FOR 8' DIAMETER TANKS AND 3'-0" FOR 10' DIA. TANKS IS MAINTAINED BETWEEN TANKS. WHEN ANCHORING, PLACE STRAPS OVER TANKS AND FOLLOW PROCEDURE AS OUTLINED HEREINAFTER.
 - 7.4.6 TANKS MUST BE ANCHORED WITH DEADMAN ON ALL WET HOLE INSTALLATIONS. ANCHORING SHALL BE DONE IN ACCORDANCE WITH THE TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 7.4.7 USE PERFORMED FIBERGLASS HOLD DOWN STRAPS FURNISHED BY TANK FABRICATOR ON TOP OF DESIGNATED RIBS. DO NOT USE STRAPS OR CABLES AGAINST THE TANK SHELL BETWEEN RIBS. ATTACH HOLD DOWN STRAP TO ANCHOR POINTS WITH 1/2" DIA. 6X19 PLOW STEEL WIRE ROPE LOOPS USING AT LEAST THREE CABLE CLAMPS. ALL STRAPS SHOULD BE TIGHTENED WITH TURNBUCKLES TO GIVE SNUG FIT OF STRAPS TO TANK RIB. TURNBUCKLE DIA. TO BE 1 1/2" HOOK TYPE OR 3/4" TYPE. ONE TANK AT A TIME SHALL BE SET ON PEA GRAVEL AND SECURELY ANCHORED AND TIGHTENED WITH THE ANCHORING STRAPS.

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PAK2534(FX)1831.P2014P2109
 FBC CODE: -2020 FBC
 DATE: 02/03/2023

Revision	Date
1	02/03/2023

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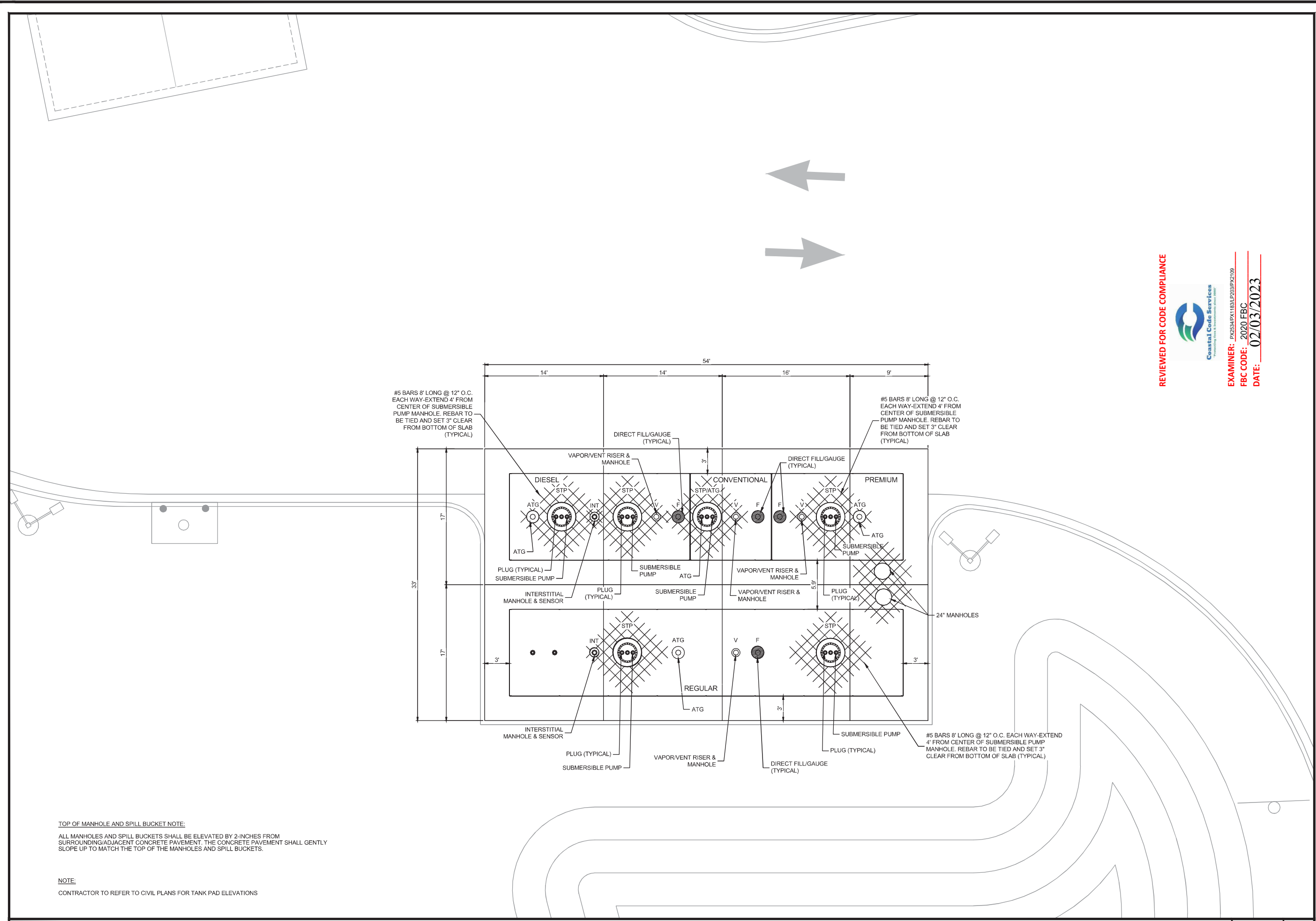
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 FAC 61G15-23.004

Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
LONGITUDINAL SECTION AND PIPING DETAIL

Project No. 170-84.00	Sheet
Date AS NOTED	T3.0
Scale AS NOTED	



#5 BARS 8' LONG @ 12" O.C. EACH WAY-EXTEND 4' FROM CENTER OF SUBMERSIBLE PUMP MANHOLE. REBAR TO BE TIED AND SET 3" CLEAR FROM BOTTOM OF SLAB (TYPICAL)

#5 BARS 8' LONG @ 12" O.C. EACH WAY-EXTEND 4' FROM CENTER OF SUBMERSIBLE PUMP MANHOLE. REBAR TO BE TIED AND SET 3" CLEAR FROM BOTTOM OF SLAB (TYPICAL)

#5 BARS 8' LONG @ 12" O.C. EACH WAY-EXTEND 4' FROM CENTER OF SUBMERSIBLE PUMP MANHOLE. REBAR TO BE TIED AND SET 3" CLEAR FROM BOTTOM OF SLAB (TYPICAL)

TOP OF MANHOLE AND SPILL BUCKET NOTE:
 ALL MANHOLES AND SPILL BUCKETS SHALL BE ELEVATED BY 2-INCHES FROM SURROUNDING/ADJACENT CONCRETE PAVEMENT. THE CONCRETE PAVEMENT SHALL GENTLY SLOPE UP TO MATCH THE TOP OF THE MANHOLES AND SPILL BUCKETS.

NOTE:
 CONTRACTOR TO REFER TO CIVIL PLANS FOR TANK PAD ELEVATIONS

REVIEWED FOR CODE COMPLIANCE

Coastal Code Services
 CONSULTING ENGINEERS

EXAMINER: P2654DPX1183L P203PK2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

No.	Revision/Issue	Date
1	ISSUE FOR PERMIT	02/03/2023

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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
TANK INSTALLATION PLAN AND EQUIPMENT PLAN

Project No.
 170-84.00

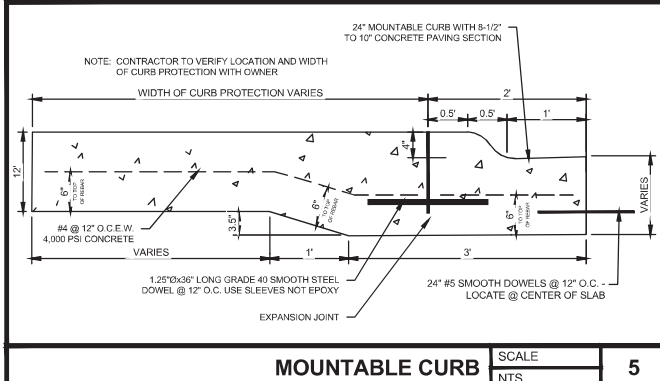
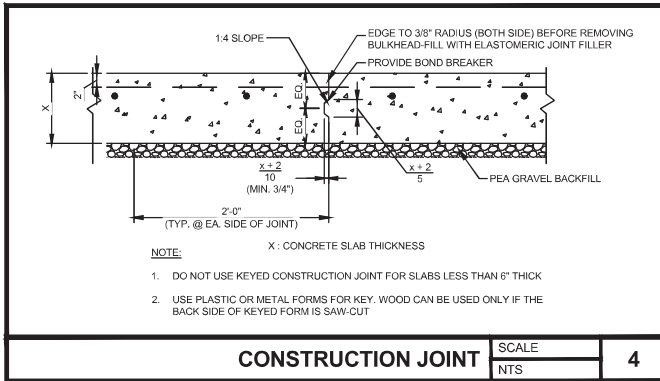
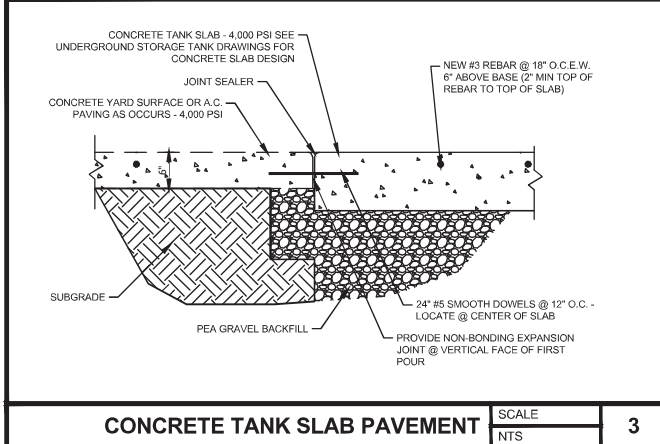
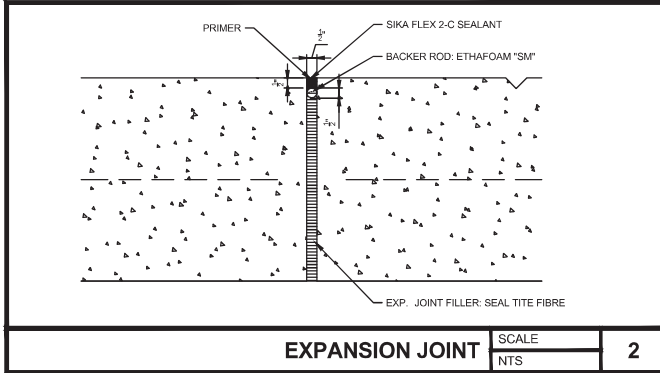
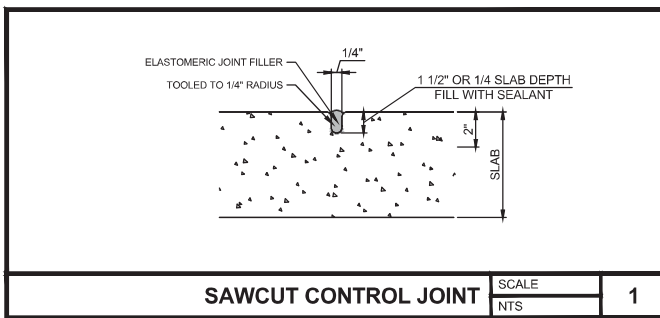
Date
 AS NOTED

Scale
 AS NOTED

Sheet
T4.0

DISPENSER, PUMP, AND TANK FITTINGS AND EQUIPMENT LIST - AUTO & TRUCK FUELING			
EQUIPMENT	FURNISHED BY: (TO BE INSTALLED BY CONTRACTOR)		DESCRIPTION
	CEFCO	CONTR.	
DISPENSER PRODUCT CONTROL SYSTEM	X		VERIFONE COMMANDER
	X		GIBARCOT D-BOX
	X		Comdata SmartDESQ
V169-RUBY2/COM-TTERM	X		COMMAND SITE CONTROLLER, STANDARD, 1PCB, 1HDD, 1PWR
	X		FORECOURT FUEL CONTROLLER, FCI
OC-DISPENSER BOARD	X		KIT, (CLGB) SPP CURRENT LOOP
	X		KIT, RS485 8-CHANNEL INTERFACE BOARD SFC
	X		RUBY 2
	X		CUSTOMER DISPLAY, TOPAZ 2X20
	X		MEDIA DRAWER, PETRO SYSTEMS
	X		PRINTER, RECEIPT, THERMAL, RP-310
	X		ROUTER, CYBERA ZONE ROUTER (6462)
	X		CABLE, SHLD RS232, RJ45-RJ45, GEM II
	X		ADAPTER, NULL MODEM, DB25M-RJ45
	X		CABLE, ETHERNET SAPPHIRE 7.62M
	X		CABLE, ETHERNET SAPPHIRE 15.2M
	X		CABLE, ETHERNET SAPPHIRE 100'
	X		CABLE, SHLD RS232, RJ45-RJ45, 100FT
	X		Onceac UPS - Conditioned 250VA
	X		MX 915 PCI 3, X, 4.3"
	X		MX90X - PWR, AUD, BERG W/TAILGATE, ETH, USB OTG, COM2
	X		P5-FERRITE, 120VAC/12VDC/1A, 5.5X2.1MM/C, USA
	X		STAND, MX915, LOW CONTOUR, LOCKING, ANTI-SKIMMING, DATA PORT BLOCKING
	X		STAND, MX915/925 LOW CONTOUR
	X		DATALOGIC GRYPHON GD40030 2D IMAGER
	X		DATALOGIC CAB-327 SH3630 RUBY VERIFONE SERIAL CABLE, 8
	X		20 STATION INTERCOM W/ COUNT BEING X 2
DISPENSERS	X		20 STATION (78-6911-4799-1) FOR AUTO AND 8 STATION (79-6911-4796-7) FOR TRUCK
	X		DRESSER WAYNE HELIX SERIES - 3+2 PRODUCT
	X		VERSION 4 FLUNT LOCS SHOULD BE PRESENT
	X		OR
	X		DRESSER WAYNE QVATION 2 SERIES - HI SPEED W/ALPHA
	X		NUMERIC (NO FLUNT LOCS W/THESE) (PETROCLEAR 40530WAD)
DISPENSER CONTAINMENT BOX, VALVES & FITTINGS	X		UPP SUMP FOR ENCORE OR HELIX
DISPENSER HOSE, NOZZLE & FITTINGS	X		UPP ENTRY FITTING FOR ENCORE
	X		HUSKY 005969 SWIVEL/STB 1" COMBO ASSEMBLY AND HUSKY 173310N, 8 W/CP PHG NL HUSKY 1" DSL NOZZLE AND UPDATE THE CURB HOSE TO THE FLEXING HOSE, FHFPS31000BLK, ASSY HW 1" X 10' BLK FIXED ENDS
TANKS	X		WATCO TANKS INC. 10' DIA. 30.5K GALLON REGULAR
	X		AND
	X		WATCO TANKS INC. 10' DIA. 30.5K GALLON THREE COMP. W/10.25K GALLON PREMIUM, 14K GALLON DIESEL, 6.25K GALLON CONVENTIONAL
SUBMERSIBLE MANHOLE COVER	X		14U-R4210
SUBMERSIBLE PUMP TURBINE ENCLOSURE & FITTINGS	X		FFS # 602402922
	X		22 IN MANWAY ADAPTER, MA-22
	X		BRAVO ENTRY FITTING PART # F-10-F
	X		2" DOUBLE WALL ELECTROFUSION, 303-075-EIF-U
	X		FFS ADHESIVE KIT, PART # 602366924
	X		FFS SEAL KIT, PART # 602366901
	X		BRAVO EPOXY KIT, PART # EP10
	X		2" UPP ENTRY BOOT, PART # FEB-075
SUBMERSIBLE PUMPS & FITTINGS (ADVANCE PROTECTION PUMPS)	X		REGULAR x2, PREMIUM x1, DIESEL x2 (4 HP VARIABLE) CONVENTIONAL x1 (4 HP VARIABLE STP)
	X		FE-PETRO MAG VFC CONTROLLER, STP-MLD+G (GASOLINE), 403168901
	X		FFS, STP-MLD+G (GASOLINE), 403168901
	X		FFS, STP-MLD+G (DIESEL), 403170901
	X		FLEXING FF20X24HMM346
	X		UNIVERSAL 213 FP
	X		JEFFERSON 1731 - 400
VAPOR RECOVERY/VENT	X		FFS 4" PLUG CAP
	X		FFS 4" RISER
REMOTE DIRECT VAPOR RECOVERY	X		FFS DEFENDER SERIES SPILL BUCKETS #705545012CI-GKT
DIRECT FILL/GAUGE	X		FFS DEFENDER SERIES SPILL BUCKETS #705555102CI-GKT
	X		FFS DEFENDER OPV #708591902
	X		FFS, SWIVEL ADAPTOR (SVW-100-SS)
	X		FFS, VAPOR CAP (777-201-02)
	X		FFS, FILL CAP (4" EVR 304-301-01)
	X		2" PRESS VAC. VENT EVR
	X		FFS, SWIVEL ADAPTOR (SVWV-100-SS)
	X		FFS; 78710009
	X		FFS; 78710006
	X		FFS; 78710003
	X		4" RISER
INVENTORY SENSOR MANHOLE/COVER	X		EMCO
	X		EMCO
MONITORING WELL & MANHOLE/COVER	X		FFS EQUIVALENT
	X		FFS EQUIVALENT
PRODUCT PIPING, SECONDARY CONTAINMENT PIPING	X		UPP ELECTRO PIPING UL971
SYSTEM AND FITTINGS	X		UPP PIPING, FITTINGS, ADHESIVE, ETC. (USE ALL PRODUCTS OF A SINGLE MANUFACTURER)
	X		UPP PIPING UL971
	X		ALCOHOL RESISTANT ADHESIVE

FFS TANK MONITORING SYSTEM	X		T6000EDP	TS-6000 EVO FUEL MANAGEMENT SYSTEM W/PRINTER (24HR) SCALD TANK TESTING SOFTWARE
NOTE: ALL STP TANK RISERS MUST BE STAINLESS STEEL, PER FFS ADVANCED PROTECTION STPS	X		TS-TT	DISPENSER RECONCILIATION SOFTWARE
ATG WIRING REQUIREMENT: FFSATG WIRING BY CONTR	X		TS-TRAC	12 INPUT PROBE MODULE
THIN, TFFN OR THWN, 18 AWG, WHITE & BLACK OR ALPHA CABLE #58411, 0.134 O.D. - 1.500 FEET (457 METERS) MAX. LENGTH ALPHA CABLE #58411 MUST BE USE WITH NONMETALLIC CONDUIT.	X		TS-2WSNS	12 INPUT 2-WIRE SENSOR MODULE
	X		TS-3WSNS	8 INPUT 3-WIRE SENSOR MODULE
	X	X	4" RISER	4" BLACK STEEL RISER W/ "3M" SCOTCHRAPS1 PROTECTION TAPE OVER "3M-SCOTCHRAPE" PRIMER (GALV. STEEL FOR UNLEADED AND BLACK STEEL FOR DIESEL PRODUCTS)
INTERSTITIAL WIRING REQUIREMENT:	X		TSP-IGF4P	4" FLOAT SET FOR GASOLINE AND ETHANOL BLENDED TANKS
THIN, TFFN OR THWN, 18 AWG, RED, WHITE & BLACK OR ALPHA CABLE #58113, 0.133 O.D. - 1.500 FEET (457 METERS) MAX. LENGTH ALPHA CABLE #58113 (IN CON P/N 600-0063) MUST BE USED WHEN USING NONMETALLIC (PVC) CONDUIT.	X		TSP-IDF4	4" FLOAT SET FOR DIESEL/FUEL OIL TANKS
	X	X	4" RISER	4" BLACK STEEL RISER W/ "3M" SCOTCHRAPS1 PROTECTION TAPE OVER "3M-SCOTCHRAPE" PRIMER (GALV. STEEL FOR UNLEADED AND BLACK STEEL FOR DIESEL PRODUCTS)
	X		TSP-SSP	2-1/16" OD, #316 STAINLESS STEEL FLOAT FOR CHEMICAL APPLICATIONS ONLY
	X		TSP-C4A	MAG PROBE INSTALL KIT FOR 4" RISER PIPES - BOTTOM MOUNT
	X		FMP-LL3-125	MAGNETOSTRUCTIVE PROBE FOR 10 FOOT (3.05 M) DIAMETER TANKS
	X		TSP-ULS	UNIVERSAL LIQUID SUMP SENSOR
	X		TSP-EIS	ELECTRO-OPTIC INTERSTITIAL SENSOR
	X		TSP-KI2	INTERSTITIAL 2" RISER INSTALL KIT
TANK HOLD-DOWN HARDWARE*	X		MFR. RECOMMENDED	NYLON HOLD-DOWN STRAP
TANK AND HOLD-DOWN HARDWARE	X		PER MFR. RECOMMENDATION	TANK HOLD-DOWN AND HARDWARE AS APPROVED BY THE MANUFACTURER/OWNER
TESTING	X	X	CERTIFIED CONTRACTOR TO PERFORM CARB TP-201.3	HYDROSTATIC TESTING FOR SPILL BUCKETS AND SUMPS PRECISION PRESSURE TESTING OF TANKS AND LINES
"U" POLE BUMPERS - STAINLESS STEEL, 3.5 O.D.			OPW 6PGR35S-4350	SEE SITE PLAN FOR TYPE & SIZES
STRAIGHT POLE BUMPERS-PAINTED STEEL			OPW SPG4-63	SEE SITE PLAN FOR TYPE & SIZES
FILTER FABRIC	X		MANUFACTURE APPROVED	ANY SITE WHERE POOR SOIL CONDITIONS OR FLUCTUATING WATER TABLES ARE PRESENT (I.E. LOOSE SAND, TIDAL OR RAPIDLY CHANGING WATER TABLES, SILTY SOIL WITH WATER CONDITIONS, LOW STABILITY SOIL WITH LESS THAN 250 LBS/SQ. FT COHESION OR AN ULTIMATE BEARING CAPACITY OF LESS THAN 300 LBS/SQ.FT FOLLOW TANK AND FILTER FABRIC MANUFACTURER'S INSTALLATION INSTRUCTIONS.
ELECTRIC WIRING			Flexible conduit	000-100-1000-EC
			Flexible conduit	000-100-1500-EC
			Coupler	02-033
			Spigotted rigid metal conduit	000-100-06-ERMC
			Seal off	Locally Sourced
*DEADMEN TO BE CAST IN PLACE				
MANUFACTURERS OF CONTRACTOR-FURNISHED PRODUCTS				
AMERON				"VERIFONE", PHONE 800/837-4366; 402-232-7800
"BREWER-TICHERN" (COOPER TOOLS), PHONE 919/362-7510				"BELDEN", PHONE 800/235-3361
"COVERT" (COOPER TOOLS), PHONE 919/362-7510				"RED JACKET", PHONE 800/777-2480; 913/831-5700
"CROSBY", PHONE 918/834-4611				"VEEDER-ROOT", PHONE 860/651-2753; 860/651-2700
"FFS"; FRANKLIN FUELING SYSTEMS, PHONE 608/838-8786				"WATTS", PHONE 603/934-1107
"MORRISON BROS, CO." PHONE 800/553-4840				
"OPW", PHONE 800/422-2525				



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90 WEST SPENCER FIELD ROAD
PACE, FL 32571

TANK INSTALLATION PLAN
AND EQUIPMENT PLAN

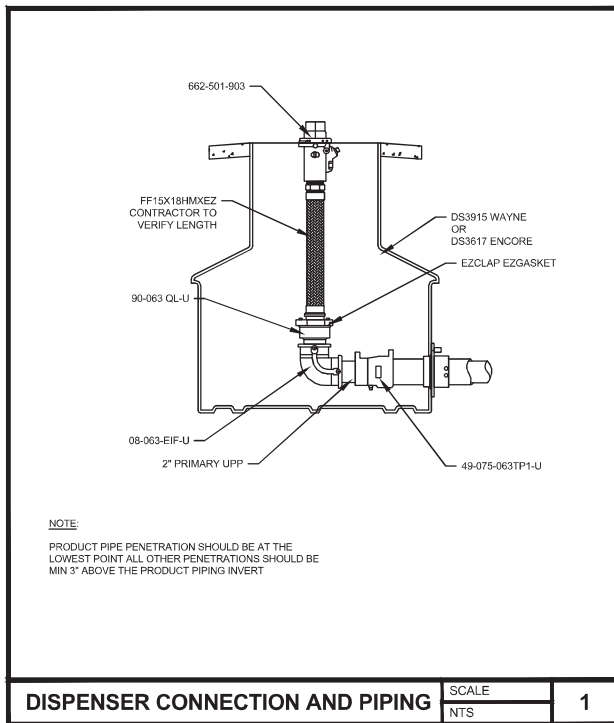
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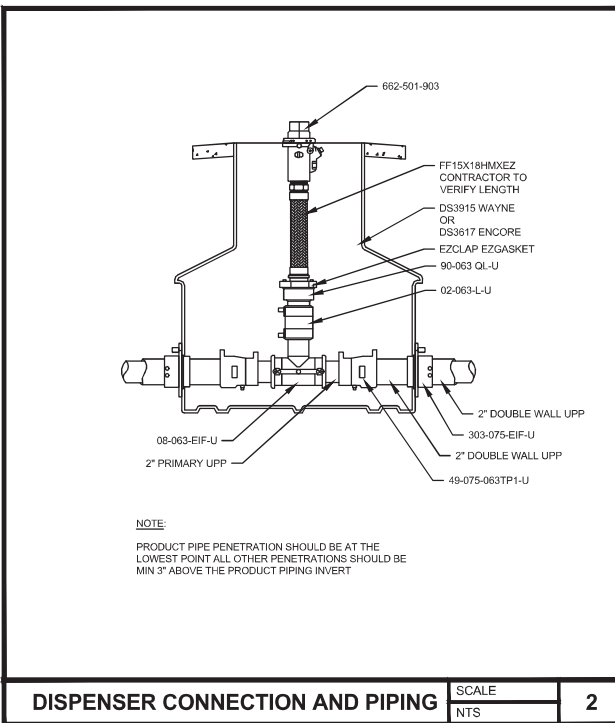
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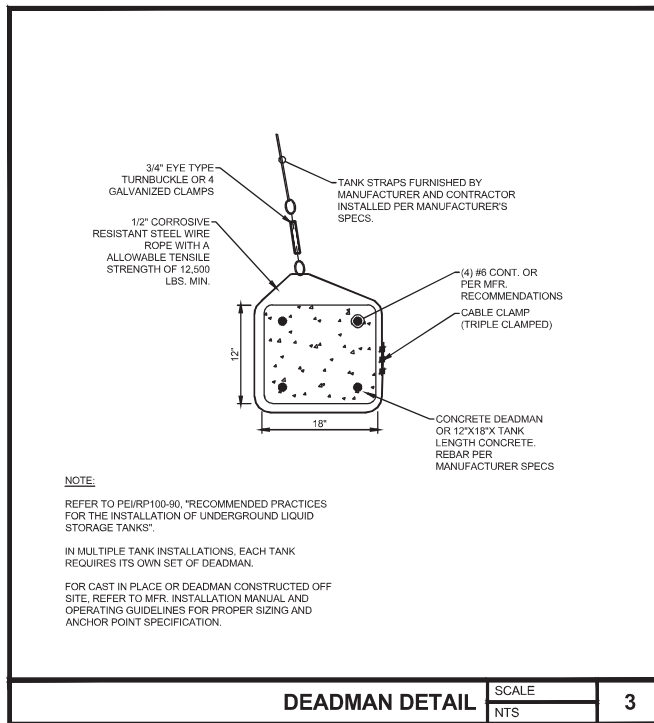

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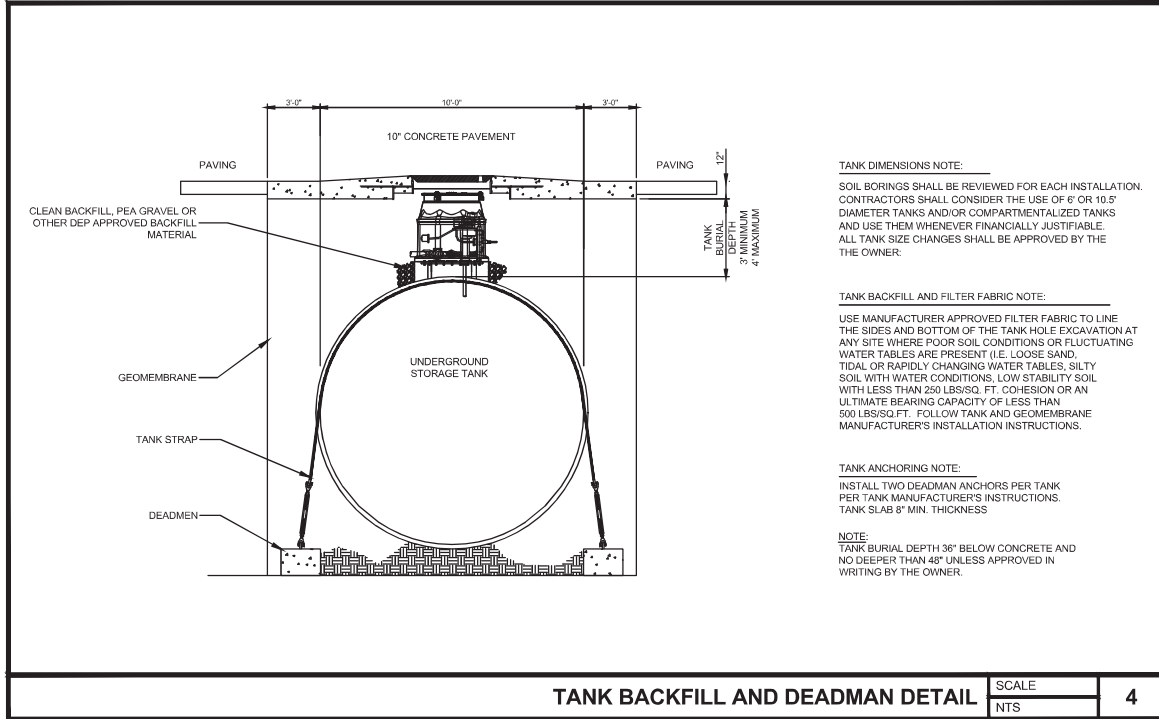
DISPENSER CONNECTION AND PIPING SCALE NTS 1



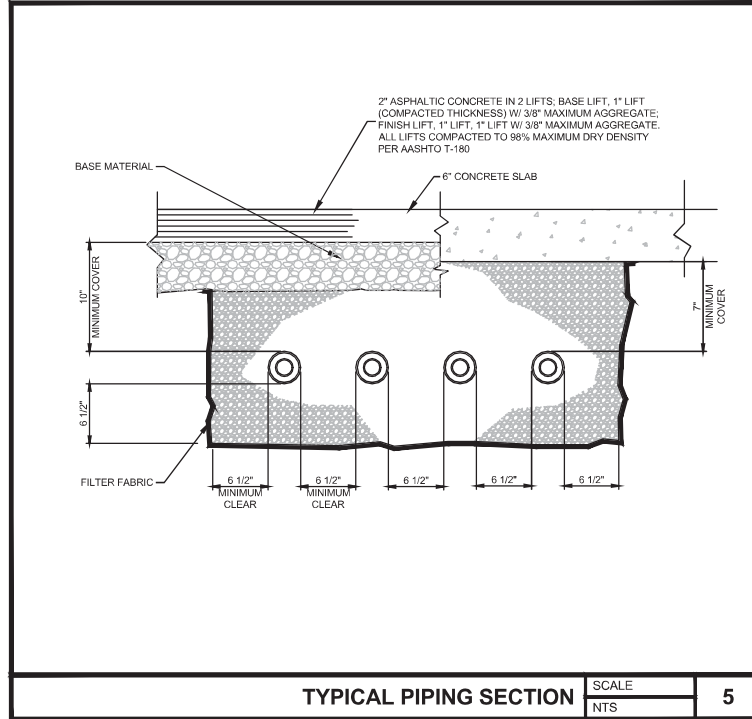
DISPENSER CONNECTION AND PIPING SCALE NTS 2



DEADMAN DETAIL SCALE NTS 3



TANK BACKFILL AND DEADMAN DETAIL SCALE NTS 4



TYPICAL PIPING SECTION SCALE NTS 5

DISPENSER SUMP FITTING INSTALLATION

GENERAL:

1. UPP BULKHEAD FITTINGS ARE ELECTRO-FUSED TO THE POLYETHYLENE SUMP WALL.
2. POLY OR FIBERGLASS SUMP UNITS ARE TO BE SEALED PER MANUFACTURER INSTALLATION INSTRUCTIONS. EACH SUMP SHALL BE FILLED WITH WATER FOR 24 HOURS BEFORE BACKFILL TO VERIFY WATER TIGHTNESS.

INSTALLATION

1. LAY OUT THE BULKHEAD FITTING LOCATIONS ACCORDING TO THE APPLICABLE PIPING DIAGRAM FOR THE SITE. IN ORDER THAT THE REQUIRED SCOPE BACK TO THE TANK CAN BE ACCOMMODATED. IT IS RECOMMENDED THAT THE CALCULATIONS BE MADE AFTER THE TANKS HAVE BEEN SET TO HEIGHT. THERE IS NO NEED TO ACCOUNT FOR SLOPE WITHIN THE SUMPS THEMSELVES.
2. MARK A CENTERLINE ON THE SUMP FACE SUCH THAT FITTING FLANGES ALL NO INTERFERE. POSITION THE BULKHEAD FITTING SO THAT ITS EDGE WILL BE AT LEAST ONE INCH FROM ANY SUMP EDGE. NOW MARK VERTICAL CENTERLINE INTERSECTION.
3. USING APPROPRIATE DIAMETER HOLE, SAW CUT THE HOLE FOR THE BULKHEAD FITTING USING A SHARP KNIFE, TRIM ANY BURRS FROM THE RESULTING WORK PIECE.
4. USING TOOL SKA, DE-GLAZE SUMP IN CONTACT AREA OF FITTING PIPE. WIPE DE-GLAZED AREA USING CLOTH MOISTENED WITH ACETONE.
5. ROUGHEN CONTACT AREA OF BULKHEAD FITTING USING EMERY CLOTH, NOT STEEL WOOL OR SAND PAPER. WIPE PREPARED AREA WITH ACETONE CLOTH.
6. POSITION BULKHEAD FITTING AND CLAMP TO SUMP WALL USING TOOL 305.
7. AUTO FORECOURT ONLY. ALL UPP PIPING SHALL BE 3/3 FT STICKS THAT SHOULD BE USED BETWEEN DISPENSER POINTS. THESE WILL HAVE TO BE SHORTENED, AS NEEDED.

ENTRY BOOT WELD

1. WELD FITTING TO SUMP USING ELECTRO FUSION WELDER PER MANUFACTURERS INSTRUCTIONS. MARK TIME OF WELD COMPLETION ON A SUMP ABOVE WELDING LEADS. DO NOT REMOVE CLAMP UNTIL TWENTY MINUTES HAVE PASSED.

PIPE PREPARATION AND JOINT MAKING:

1. MEASURE SUMP-TO-SUMP CENTERLINE DISTANCE, ACCOUNTING FOR NECESSARY DETOURS AROUND INTERVENING OBJECTS, AND OTHER PIPES.
2. USING THE PIPES CUTTING TOOL, P. CUT. MAKE A BURR-FREE, AND SQUARE CUT ON THE PIPE.

PIPE CUTS:

3. IF USING COAXIAL PIPE, USE CUTTING TOOL TO PREPARE CONTAINMENT SLEEVE. CUT SLEEVE BACK END OF THE PRIMARY PIPE.
4. DE-GLAZE SECONDARY PIPE SKIN IN PREPARATION FOR WELDING.

PIPE SCRAPERS:

AS AN ALTERNATE, A RAZOR EDGED SCRAPER, SCR. SKA CAN BE USED TO LONGITUDINALLY ROUGHEN THE SKIN OF THE PRIMARY PIPE, AND HOWEVER, CARE MUST BE TAKEN TO LEAVE NO UNSCRAPED AREAS.

5. WIPE THE MATING SURFACES USING AN ACETONE MOISTENED LINT FREE CLOTH.
6. POSITION FITTINGS ON THE PIPE, INSERT PIPE THROUGH BULKHEAD FITTING. POSITION TEST FITTING.
7. INSERT THE PREPARED PIPE END(S) IN TO THE FITTING TO THE SPECIFIED DEPTH. CLAMP PIPES TOGETHER USING UPP TOOL CLAM(S) OR CLAMP (A) AS APPROPRIATED. IF COUPLING OCCURS IN CURVED RUN, LAY OUT JOINT STRAIGHT, WELD, ALLOW TO COOL, THEN BEND INTO POSITION. FAILURE TO PROPERLY MAINTAIN JOINT GEOMETRY FOR AT LEAST 20 MINUTES AFTER WELDING IS COMPLETE WILL RESULT IN AN UNSATISFACTORY JOINT.
8. COMPLETE THE JOINT WELDING AS SPECIFIED BY UPP. USING CHINA MARKER, NOTE TIME OF COMPLETION NEXT TO WELD. DO NOT REMOVE CLAMPS BEFORE TWENTY (20) MINUTES HAVE PASSES BEYOND THIS ITEM.
9. RECORD BATCH NUMBERS FROM PIPING MARKING INTO UPP INSTALLATION CHECKLIST.

SPECIFICATIONS

3.1 TANK HOLD-DOWNS (TIE-DOWNS):

- A. HOLD-DOWN, WHEN SPECIFIED THE HOLD-DOWN LOGS SHALL BE INSTALLED PRIOR TO THE BED MATERIAL.
- B. CAUTION - DO NOT PLACE FRP TANKS ON CONCRETE SLABS, TIMBERS, BEAMS, CRADLES OR GROUT THE TANKS IN WET CEMENT. THE TANK, WHETHER TIE DOWN OR NOT, MUST NEVER BE LEFT ON THE BED WITHOUT A BACKFILL TO THE TOP OF THE TANK IF THERE IS ANY CHANCE OF WATER, 12" OR MORE ABOVE THE TANK BOTTOM, IN THE HOLE.

3.2 TANK HOLD-DOWN INSTALLATION

- A. GENERAL REQUIREMENTS ANCHOR ALL UNDERGROUND STORAGE TANKS WITH CONCRETE HOLD-DOWNS ("LOGS" OR "DEADMEN") WHEN SPECIFIED IN THE SCOPE OF WORK.
1. TANK BEDDING, BALLASTING AND TANK HOLE BACKFILL PROCEDURE ARE DESCRIBED IN THESE SPECIFICATIONS.
2. THE TANK ANCHORAGE SYSTEM SHOWN ON THE DRAWINGS IS DESIGNED FOR A MAXIMUM LEVEL OF GROUND WATER EQUAL TO THE SUBGRADE LEVEL.

3.3 MATERIALS

- A. CONCRETE HOLD-DOWNS: PRECAST, REINFORCED CONCRETE "LOGS", FURNISHED BY THE TANK MANUFACTURE WITH CHAMFERED EDGES. LENGTH, AS SHOWN ON THE DRAWINGS. 1/2" DIAMETER GALVANIZED STEEL ANCHOR LOGS ARE TO BE CAST INTO "LOGS" AT LOCATIONS SHOWN. PRECAST MATERIAL SHALL HAVE ACHIEVED ITS ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI (28 DAYS) PRIOR TO INSTALLATION.
- B. WIRE ROPE CABLE: HOT-DIP GALVANIZED STEEL WIRE ROPE, MINIMUM 1/2" DIAMETER, BREAKING STRENGTH. 20AK.
- C. HARDWARE: CABLE CLAMPS, CABLE GUIDES, GUARDS, ETC., FURNISHED BY THE TANK MANUFACTURER, SHALL BE HOT-DIP GALVANIZED STEEL.
- D. PROTECTIVE COATING: PRIOR TO BACKFILLING TANKS, APPLY A GENEROUS QUANTITY OF "ASPHALT COATING" BY BRUSH TO ALL EXPOSED STEEL CABLES, LOOPS AND HARDWARE.

- A. PREPARE THE TANK HOLE TO RECEIVE THE HOLD-DOWN "LOGS". INSTALL SHORING (OR SIDE SLOPING) IN ACCORDANCE WITH SECTION 1.3.
- B. PUMP THE WATER OUT OF THE TANK HOLE. KEEP WATER OUT OF THE TANK HOLE UNTIL TANKS HAVE BEEN SET, TIED DOWN, BALLASTED AND BACKFILLED.
- C. INSERT EACH CABLE THROUGH ITS OWN ANCHOR LOOP IN THE "LOG" RESERVING SUFFICIENT CABLE SO THAT BOTH ENDS OF THE CABLE WILL BE KEPT AT THE TOP OF THE TANK HOLE AFTER THE "LOGS" ARE SET. LOWER AND POSITION THE "LOGS" IN THE TANK HOLE KEEPING BOTH ENDS OF THE CABLES AT THE TOP OF THE HOLE. INSTALL THE 12" MINIMUM THICK BEDDING MATERIAL IN TANK HOLE. SMOOTH AND SLOPE PER THE TANK BEDDING INSTRUCTIONS.
- D. PROCEED WITH SETTING THE TANKS BY ADDING BALLAST AS NECESSARY TO SINK AND KEEP DOWN THE TANKS. USE ONLY ENOUGH BALLAST TO HOLD THE TANKS DOWN UNTIL THE BACKFILL IS EVEN WITH THE TOP OF THE TANKS. (REFER TO SECTION 1.1 FOR TANK SETTING REQUIREMENTS.) CAUTION: BALLAST LEVEL IN TANK MUST NEVER EXCEED WATER (OR BACKFILL) LEVEL IN TANK HOLE DURING INSTALLATION.
- E. INSTALL THE CABLE GUIDES, GUIDES, ETC., FURNISHED BY THE TANK MANUFACTURER ON THE DESIGNATED RIBS OF THE TANK. (NOTE: "DESIGNATED RIBS" ARE MARKED BY ARROWS ON THE TANK SURFACE.) CAUTION: DO NOT PLACE STRAPS OR CABLES BETWEEN THE RIBS OF THE TANK.
- F. PASS EACH SET OF CABLES (A SET OF CABLES ARE THOSE PASSING THROUGH THE MATCHING, OR OPPOSITE, LOOPS ON THE "LOGS") THROUGH THE GUIDES AND LOOPS AS SHOWN ON THE DRAWING.

1. ONE END OF EACH CABLE IS TO BE CROSSED OVER THE TOP OF THE TANK IN THE RETAINER PORTION OF THE HOLD-DOWN STRAP. USING THREE CABLE CLAMPS ON EACH SET OF CABLES, CLAMP BOTH CABLES TOGETHER ON TOP OF THE TANK. PRIOR TO TIGHTENING THE CLAMPS, TENSION THE CABLES WITH "COME-A-LONGS" SECURED OUTSIDE THE TANK HOLE. USE ENOUGH TENSION TO TIGHTEN THE CABLES BUT NOT TO LIFT THE "LOGS" OR CRUSH THE TANK. CAUTION: ALL SETS OF CABLES ON A TANK MUST BE TIGHTENED EQUALLY TO AVOID TANK DEFORMATION.
2. THE CABLE MUST REST ON THE TOP OF THE HOLD-DOWN STRAP BETWEEN THE GUIDES PROVIDED. REPEAT THIS PROCESS FOR EACH SET OF TIE-DOWN CABLES.
3. AFTER ALL TIE-DOWNS ARE COMPLETED, COMMENCE THE BACKFILL PROCEDURES TO THE TOP OF THE TANKS.

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Project Name and Address
CEFCO #426 - PACE
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 PACE, FL 32571

Sheet Title
STANDARD TANK HOLD DOWN DETAILS AND PIPING DETAILS

Project No.
 170-84.00

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 AS NOTED

Scale
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Sheet No.
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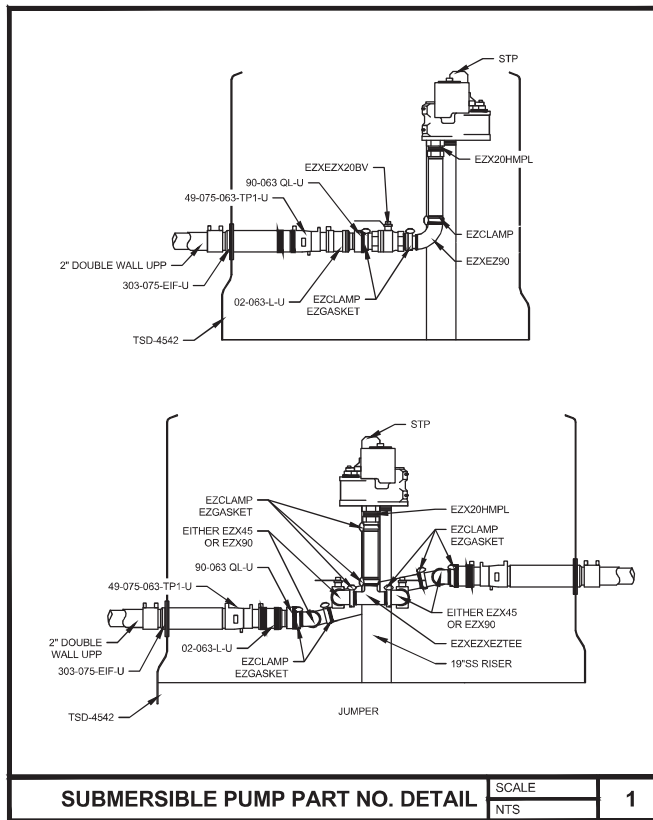
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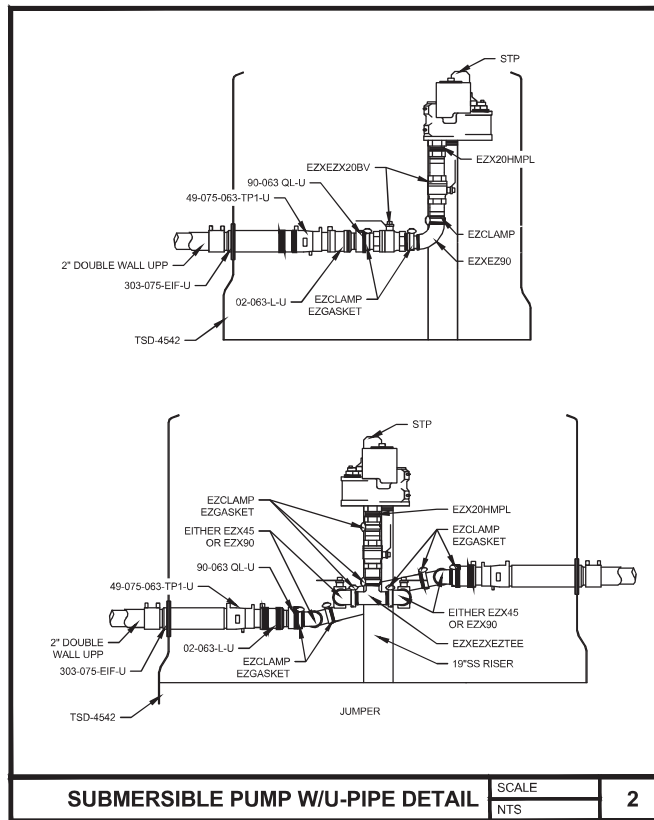
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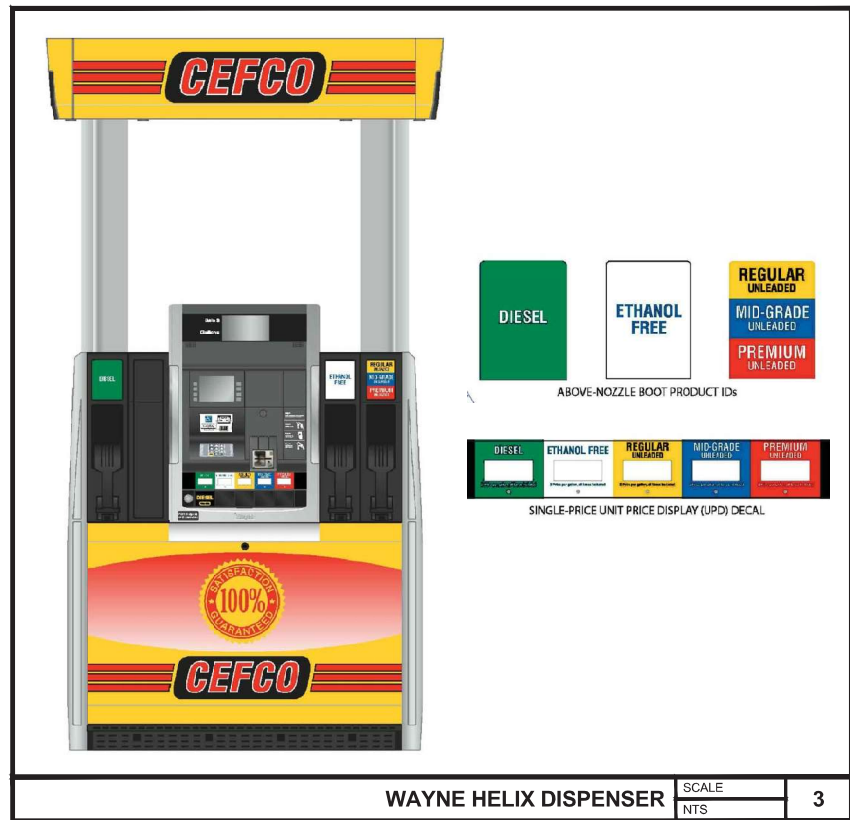
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SUBMERSIBLE PUMP PART NO. DETAIL SCALE NTS 1



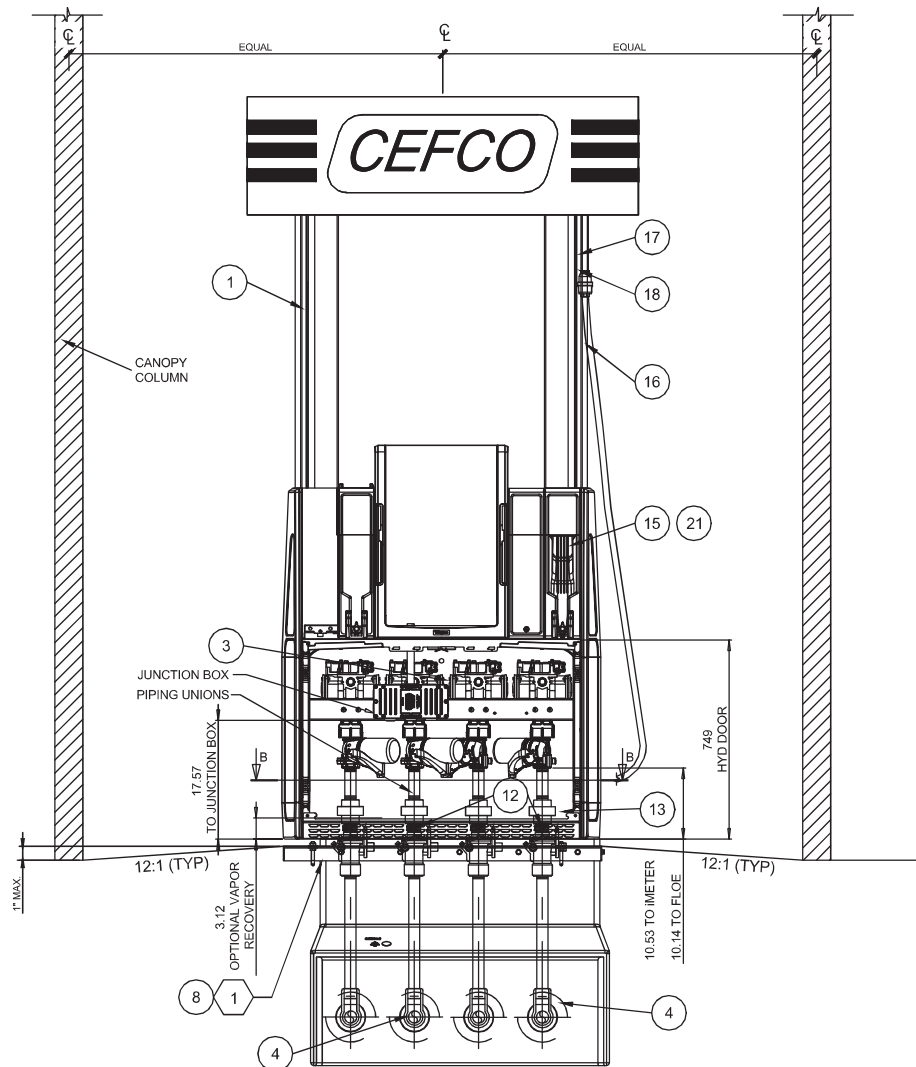
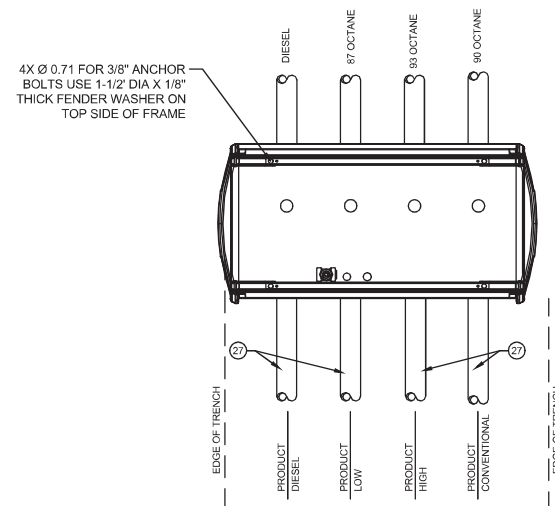
SUBMERSIBLE PUMP W/U-PIPE DETAIL SCALE NTS 2



WAYNE HELIX DISPENSER SCALE NTS 3

NOTES: UNLESS OTHERWISE SPECIFIED

- ALL PIPING AND ELECTRICAL INSTALLATIONS MUST CONFORM TO ALL APPLICABLE REGULATIONS INCLUDING NFPA30, FLAMMABLE & COMBUSTIBLE LIQUIDS CODE; NFPA30A, AUTOMOTIVE & MARINE SERVICE STATION CODE; NFPA70, NATIONAL ELECTRICAL CODE. DO NOT "DAISY CHAIN" THE DISPENSER POWER CIRCUIT TO ANY OTHER EQUIPMENT.
- PIPING FROM TANK TO DISPENSER SHOULD SLOPE UPWARDS TO AVOID AIR OR LIQUID TRAPS.
- USE UNIVERSAL JOINTS AT DISPENSER TO ALLOW FOR GROUND MOVEMENT.
- FIRMLY MOUNT THE DISPENSER TO THE ISLAND USING THE ANCHOR BOLT AT LOCATIONS SHOWN.
- EMERGENCY SHUTOFF VALVES AND BREAKAWAY DEVICES ARE EXAMPLES OF REQUIREMENTS STATED IN THE NFPA30A AUTOMOTIVE & MARINE SERVICE STATION CODE. THESE, AS WELL AS ANY OTHER SAFETY DEVICES REQUIRED BY NFPA30 & 30A, MUST BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S INSTRUCTIONS.
- CONNECT OPTIONAL INTERCOM CIRCUIT TO A LISTED CLASS 2 POWERED INTERCOM ONLY WITH 18 GAUGE MINIMUM, AT LEAST 90 DEGREE C, 600 V GAS & OIL RESISTANT UL LISTED WIRE. WIRES BACK TO INTERCOM POWER MUST BE RUN IN SEPARATE DEDICATED LISTED METALLIC CONDUIT.
- THE COUPLING SHOULD BE TIGHTENED WITH A TORQUE OF 120 Nm AND THE SPANNER SIZE FOR THIS IS 90 mm



SAFETY NOTE
WHEN DISPENSERS ARE INSTALLED AS SHOWN ON THIS DRAWING, THE REQUIREMENTS OF NFPA 30A 4-3.6 AND 4-3.7 REGARDING SHEAR SECTIONS ARE FULLY MET.

FOLLOW THE MANUFACTURER'S GUIDELINES FOR INSTALLING GOODYEAR FLEX STEEL VAPOR ASSIST HOSES. VAPOR ASSIST HOSE ASSEMBLIES TO BE 45 OR 50 FT. LBS. TORQUE TO ALLOW FOR PROPER SWIVELING.

EQUIPMENT DESCRIPTION	
NO.	EQUIPMENT
1	3 + 2 PRODUCT MPD
2	THREE PRODUCT MPD
3	VAPOR VAC (IF REQUIRED)
4	UPP BULKHEAD FITTINGS ARE ELECTRO-FUSED (PRODUCT PIPING)
5	"BLANK"
6	"BLANK"
7	1 1/2"x18" F-M SWIVEL FLEX CONNECTOR (PRODUCT)
8	WAYNE HELIX SUMP BOX
9	"BLANK"
10	1" FLEXIBLE ENTRY BOOTS (POWER HOME RUN, DISPENSER DATA LOOPED)
11	1" FLEXIBLE ENTRY BOOTS (INTERCOM - LOOPED)
12	1-1/2" MALE, EMERGENCY VALVE W/ DOUBLE POPPET (COMBO BODY)
13	"BLANK"
14	3" THREADED 3" WC PRESSURE VACUUM VENT CAP
15	NOZZLE - BLACK
16	3/4"HOSES - 8'-6" FLEXSTEEL VAPOR ASSIST HOSE
17	WHIP HOSE - 1" FLEXSTEEL VAPOR ASSIST HOSE, WHIP HOSE - 1" (NON-STAGE II ALT.) (OR EQUIVALENT)
18	INVERTED BREAKAWAY, BREAKAWAY (NON-STAGE II ALT.) (OR EQUIVALENT)
19	WATER INDICATING PASTE (TO BE LEFT @ STORE)
20	3/2" TERMINATING REDUCER @ DISPENSERS - NO TEST POST
21	SPLATTER SHIELD, BLACK
22	3 M INTERCOM / WIRED TO MPD SPEAKERS
23	JUNCTION BOX
24	SEAL OFF
25	BOLLARD
26	"BLANK"
27	2" DOUBLEWALL UPP ELECTRO PRODUCT PIPE
28	3"x3/2" UPP ELECTRO TEE
29	SECONDARY CONTAINMENT FITTING
30	3" FRP 90° FITTING
31	COAXIAL FIBERGLASS PIPE

DISPENSER W/ FRANKLIN POLY SUMP SCALE NTS 4

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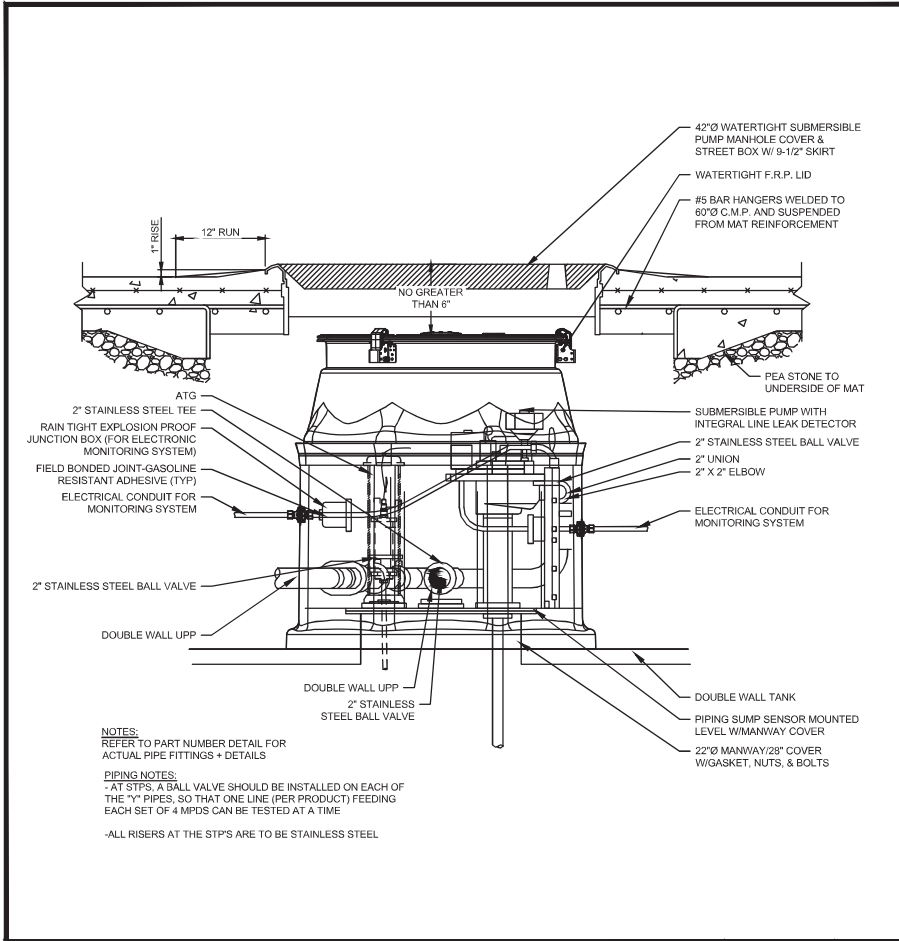
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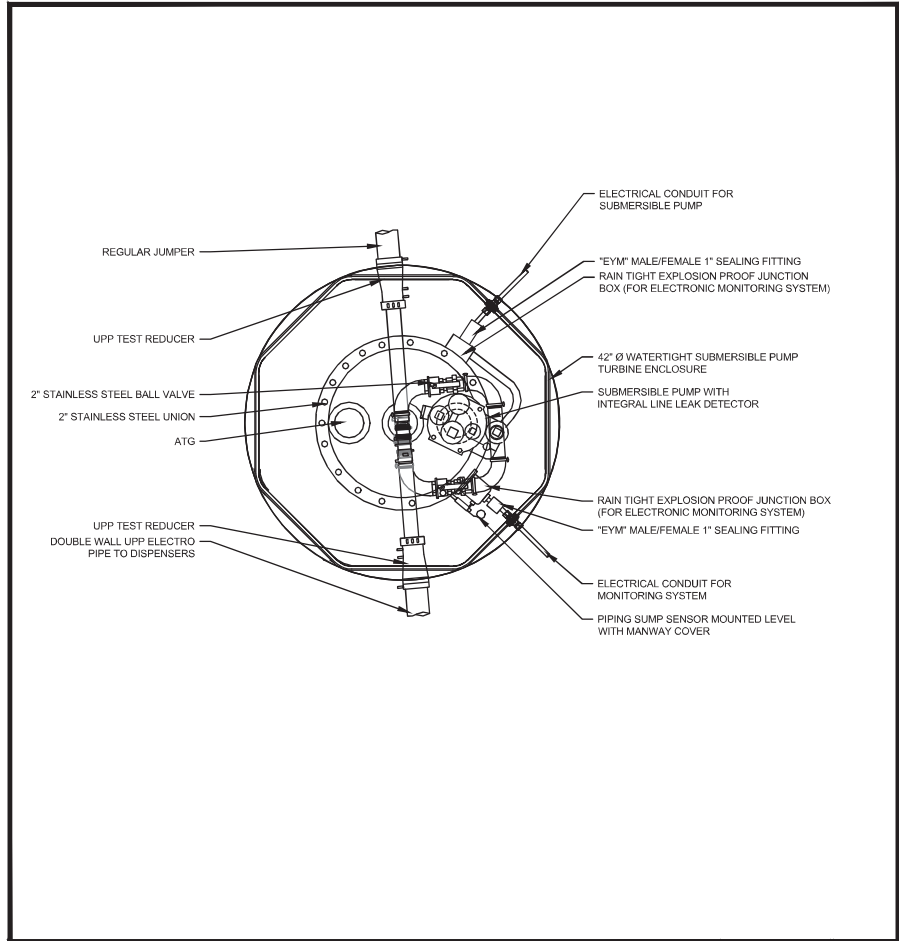
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CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571
Sheet Title
DETAILS

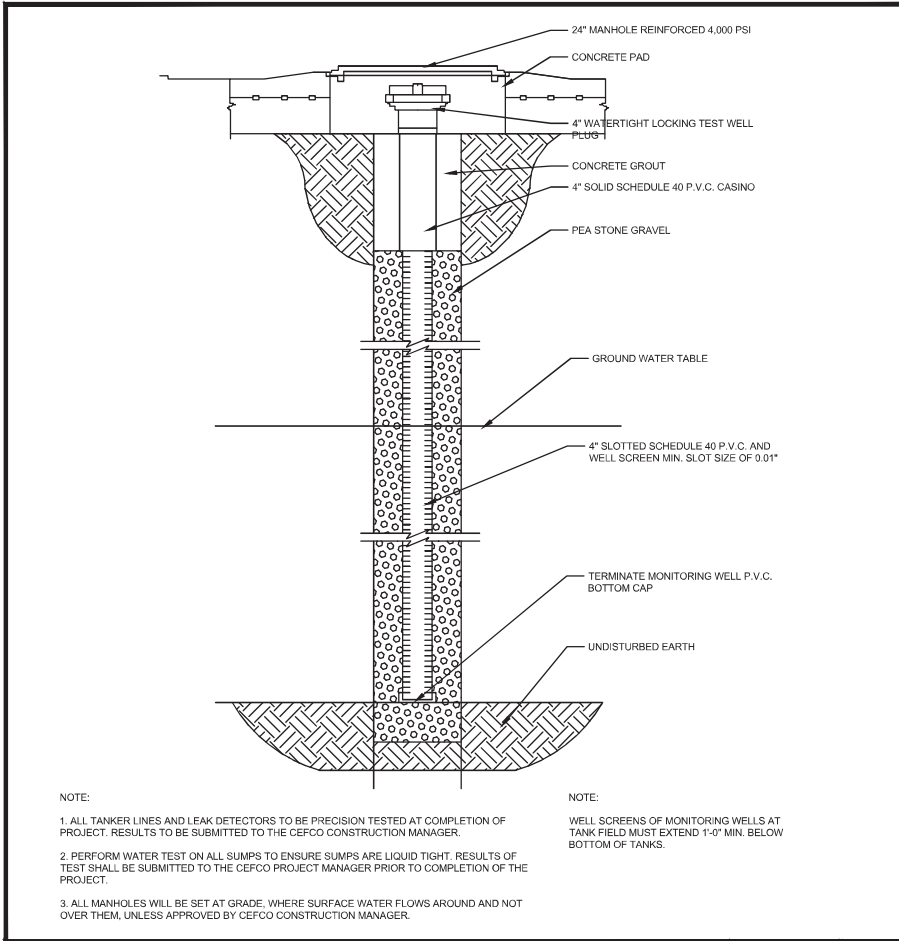
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SUBMERSIBLE PUMP WITH ATG MANHOLE DETAIL SCALE NTS 1



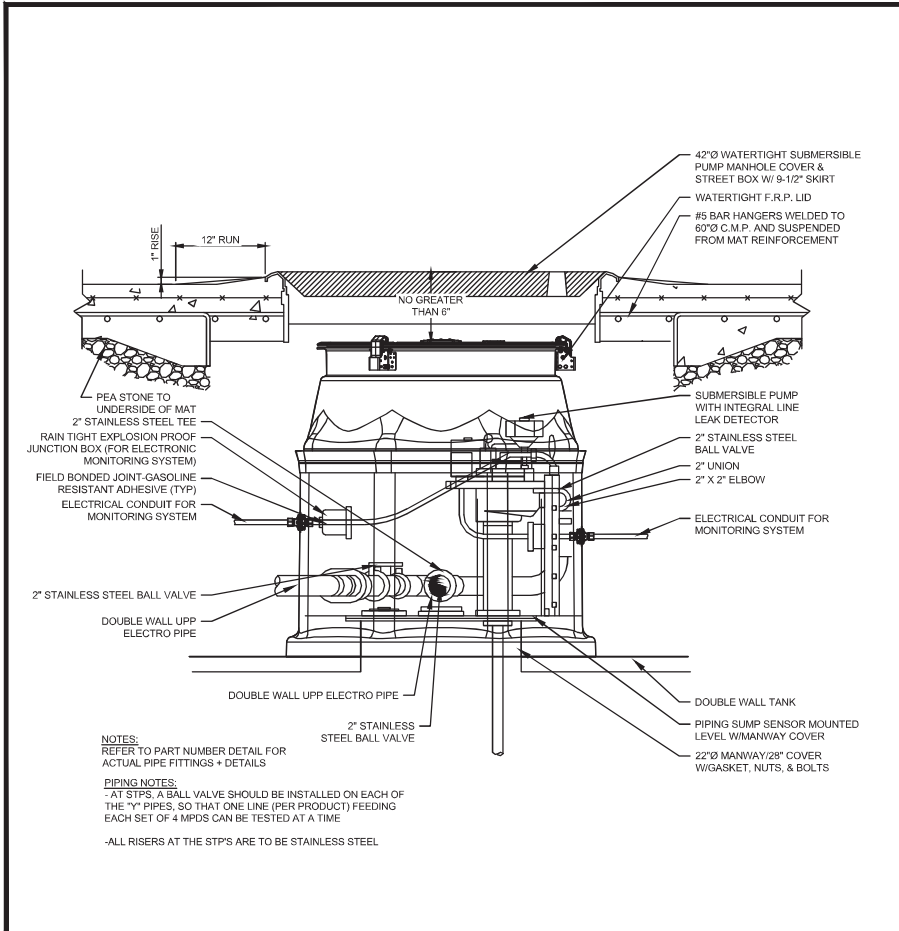
SUBMERSIBLE PUMP WITH ATG ENCLOSURE PLAN SCALE NTS 2



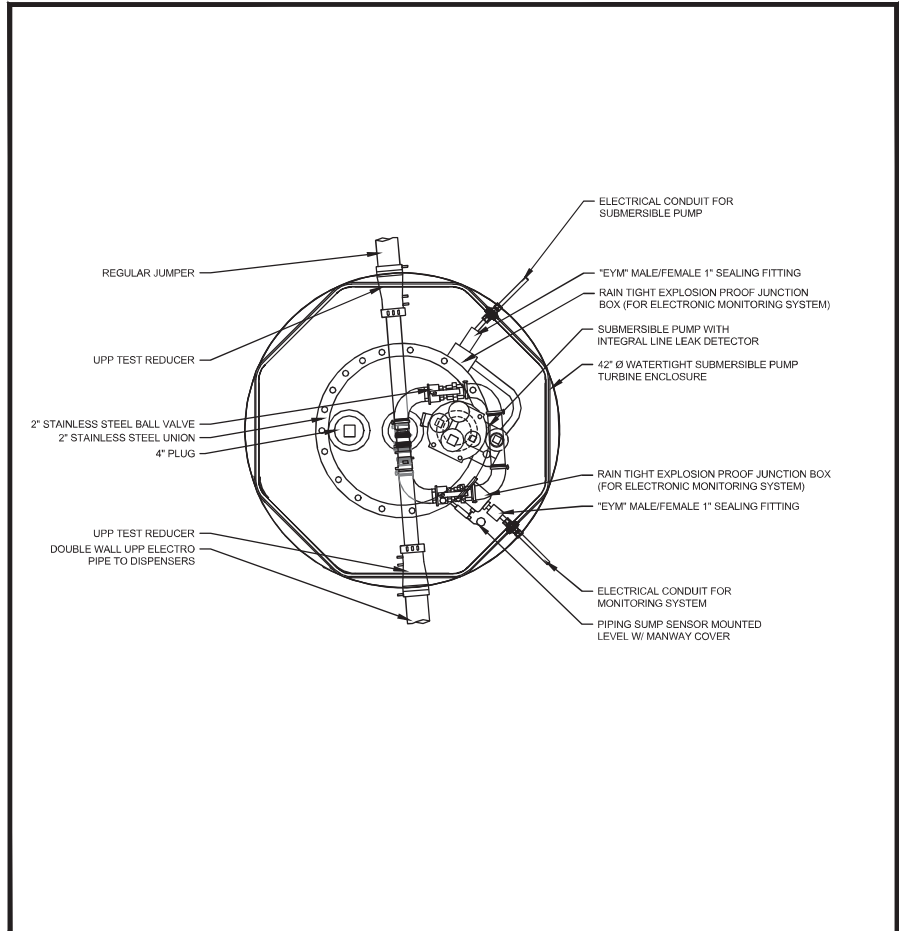
MONITORING WELL DETAIL SCALE NTS 3

NOTE: 1. ALL TANKER LINES AND LEAK DETECTORS TO BE PRECISION TESTED AT COMPLETION OF PROJECT. RESULTS TO BE SUBMITTED TO THE CEFCO CONSTRUCTION MANAGER.
2. PERFORM WATER TEST ON ALL SUMPS TO ENSURE SUMPS ARE LIQUID TIGHT. RESULTS OF TEST SHALL BE SUBMITTED TO THE CEFCO PROJECT MANAGER PRIOR TO COMPLETION OF THE PROJECT.
3. ALL MANHOLES WILL BE SET AT GRADE, WHERE SURFACE WATER FLOWS AROUND AND NOT OVER THEM, UNLESS APPROVED BY CEFCO CONSTRUCTION MANAGER.

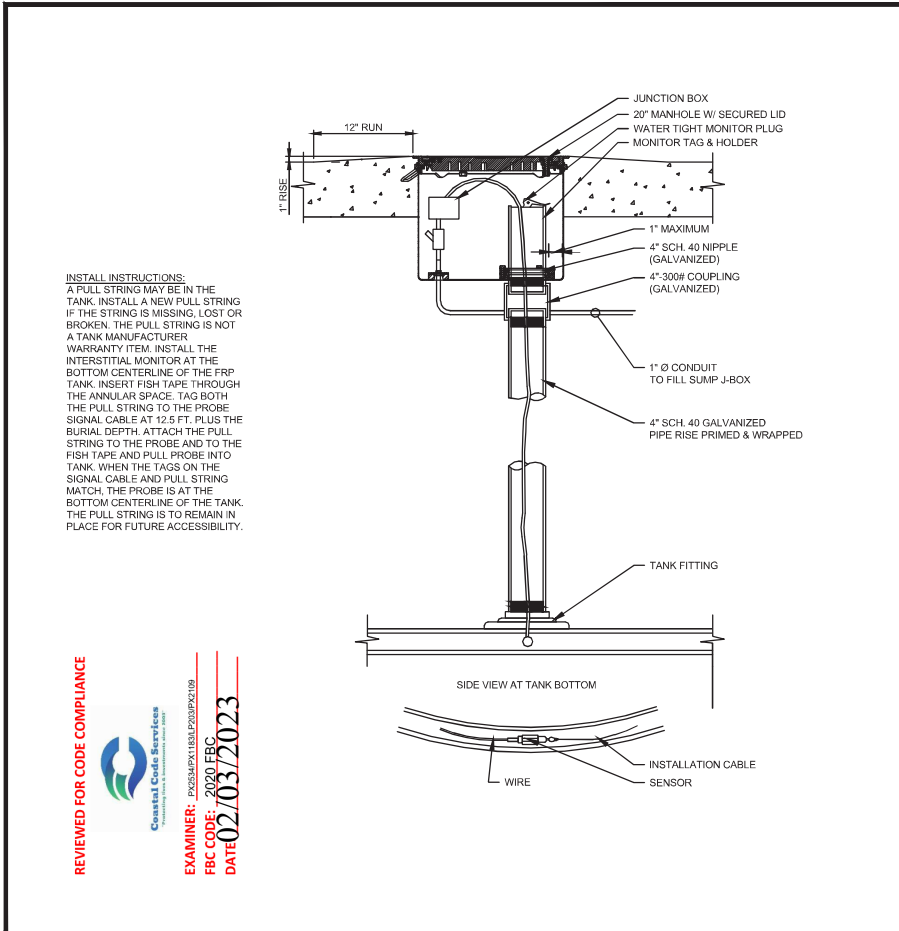
NOTE: WELL SCREENS OF MONITORING WELLS AT TANK FIELD MUST EXTEND 1'-0" MIN. BELOW BOTTOM OF TANKS.



SUBMERSIBLE PUMP DETAIL SCALE NTS 4



SUBMERSIBLE PUMP PLAN SCALE NTS 5



INTERSTITIAL SPACE MONITORING SCALE NTS 6

INSTALL INSTRUCTIONS:
A PULL STRING MAY BE IN THE TANK. INSTALL A NEW PULL STRING IF THE STRING IS MISSING, LOST OR BROKEN. THE PULL STRING IS NOT A TANK MANUFACTURER WARRANTY ITEM. INSTALL THE INTERSTITIAL MONITOR AT THE BOTTOM CENTERLINE OF THE FRP TANK. INSERT FISH TAPE THROUGH THE ANNULAR SPACE. TAG BOTH THE PULL STRING TO THE PROBE SIGNAL CABLE AT 12.5 FT. PLUS THE BURIAL DEPTH. ATTACH THE PULL STRING TO THE PROBE AND TO THE FISH TAPE AND PULL PROBE INTO TANK WHEN THE TAGS ON THE SIGNAL CABLE AND PULL STRING MATCH, THE PROBE IS AT THE BOTTOM CENTERLINE OF THE TANK. THE PULL STRING IS TO REMAIN IN PLACE FOR FUTURE ACCESSIBILITY.

REVIEWED FOR CODE COMPLIANCE
Constant Code Services
EXAMINER: PEGSAPKX183LFP03PZ189
FBC CODE: 2020 FBC
DATE: 02/03/2023

Date	02/28/2021
Revision/Issue	1

ISSUE FOR PERMIT	1
Revision/Issue	1

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FL Cert. of Auth. No. 27889

Client Name and Address

CEFCO
CONVENIENCE STORES

NISIT SAPPARKHAO, P.E.
FL REG. NO. 64085

Date

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Project Name and Address

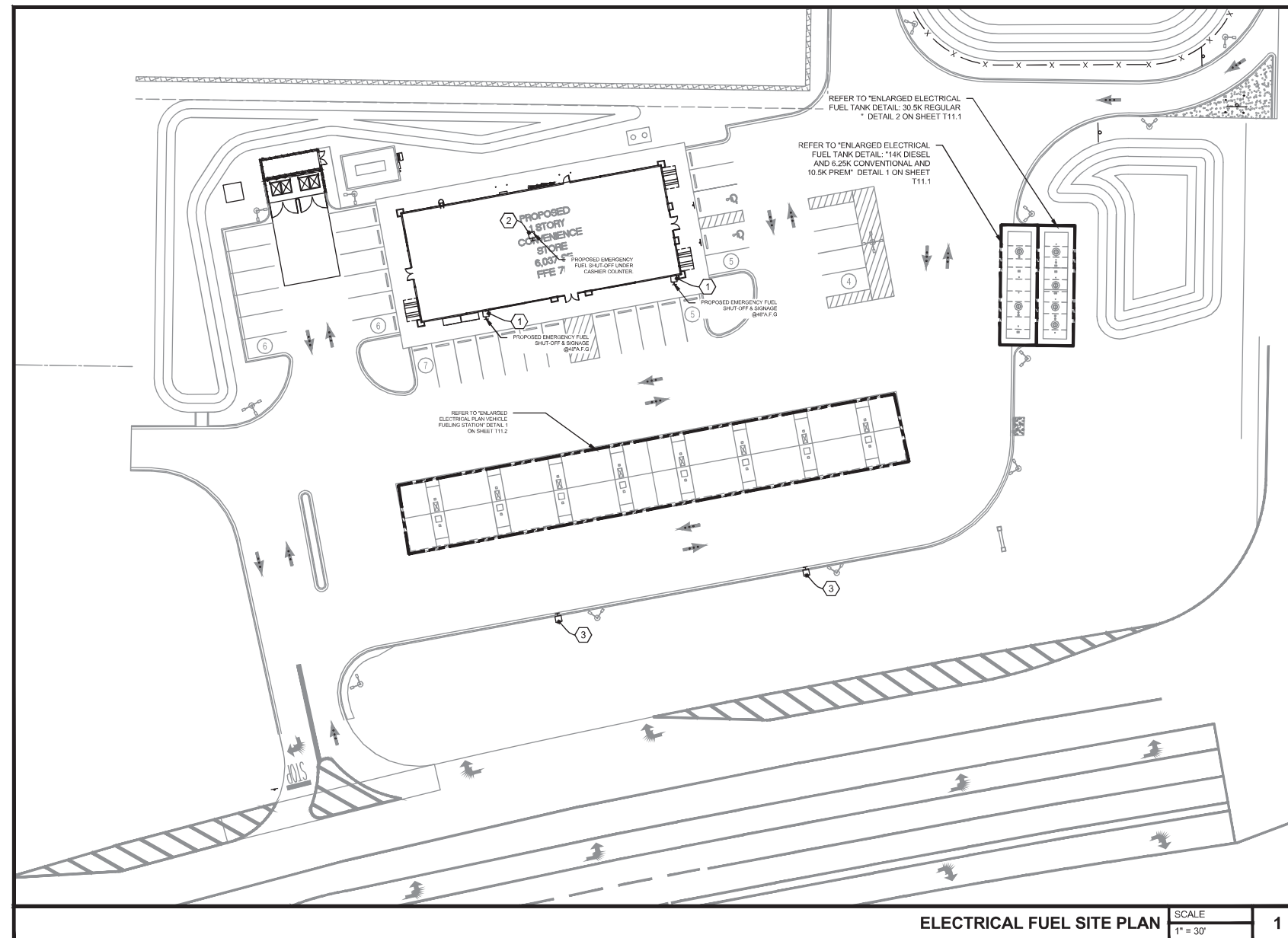
CEFCO #426 - PACE
90 WEST SPENCER FIELD ROAD
PACE, FL 32571

Sheet Title

DETAILS

Project No. 170-84.00
Date AS NOTED
Scale AS NOTED

Sheet T8.0



- GENERAL NOTES:**
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 - VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO ROUGH-IN.
 - COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
 - ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE UNDERGROUND STORAGE FUEL TANKS SHALL BE PER NEC ARTICLE 514 AND NFPA 30A.
 - ALL INTRINSICALLY SAFE(S) WIRING SHALL BE PER NEC ARTICLE 504 AND ANSI/ISA RP 12.6. IN ADDITION, SPECIAL (S) WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE FUEL TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACEWAYS (INCLUDING TROUGHS). TROUGHS SHALL HAVE A PERMANENTLY ATTACHED METAL DIVIDER THAT IS EQUIPOTENTIALLY BONDED TO EARTH.
 - FURNISH AND INSTALL POURED SEALING FITTINGS AT BOTH ENDS OF ALL CONDUITS FROM FUEL DISPENSERS AND UNDERGROUND FUEL STORAGE TANKS.
 - REFERENCE MANUFACTURER INSTALLATION MANUALS FOR UNDERGROUND FUEL STORAGE TANK EQUIPMENT WIRING INTERCONNECTIONS.
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 - INTERMEDIATE METAL CONDUIT (IMT) SHALL NOT BE USED.
 - HOMERUN CONDUITS TO DISPENSERS AND TANKS TO BE RIGID METAL HOT DIPPED GALVANIZED CONDUIT AND SCHEDULE 40 PVC PER NEC ARTICLE 514.8, EXCEPTION #2.
 - ALL CONDUIT ROUTED BETWEEN TANK SUMPS SHALL BE RIGID METAL HOT DIPPED GALVANIZED CONDUIT.
 - PENETRATE SUBMERSIBLE TURBINE PUMP (STP) WITH ONLY (1) VEEDER-ROOT CONDUIT.
 - PROVIDE 'EYS' SEALING FITTINGS WHERE CONDUITS ENTER OR LEAVE ANY HAZARDOUS CLASSIFIED AREA.
 - INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL POWER AND INTRINSICALLY SAFE CONDUITS.
 - REFER TO BUILDING ELECTRICAL DRAWINGS FOR PANEL SCHEDULES.
 - THE TERM PROVIDE MEANS THAT THE CONTRACTOR WILL 'FURNISH' AND 'INSTALL' ITEM.

- KEYED NOTES:**
- C-STORE EFSO PUSHBUTTON STATION: PROVIDE SIGNAGE AND PUSHBUTTON PER DETAIL 3 ON SHEET T10.0.
 - CASHIER EFSO PUSHBUTTON STATION: PROVIDE SIGNAGE AND PUSHBUTTONS FOR EMERGENCY OFF AND RESET.
 - REMOTE EFSO PUSHBUTTON STATION: PROVIDE SIGNAGE AND PUSHBUTTON PER DETAIL 5 ON SHEET T10.0.

STANDARD CEFCO FUEL WIRE SIZES

Dispenser Type/Description	Size Of Conduit	Function Of The Wire	QTY Of Wire In Conduit	Size Of Wire	QTY Of Wire In Conduit	Size Of Wire	QTY Of Wire In Conduit	Size Of Wire
3x2 Wayne Helix	1 Inch	Power	3	# 12	4	# 14	2	# 18/2 Twisted Pair
	3/4 Inch	Intercom	1	# 18/4 Cable				
	3/4 Inch	Data	2	Cat 5				
	3/4 Inch	Sensor	2	Raceway Only				
Master Dispenser	1 Inch	Power	3	# 12	2	# 14	2	# 18/2 Twisted Pair
	3/4 Inch	Intercom	1	# 18/4 Cable				
	3/4 Inch	Data	2	Cat 5				
	3/4 Inch	Spare	2	Raceway Only				
Satellite	3/4 Inch	Sensor	2	# 18/2 Cable	1	# 12 Ground		
				SPARE				
Master/Satellite Loop		Power	1	# 12 Ground	5	# 14		
Auto Gas Canopy	1 Inch	Power	1	Raceway Only				
	1 Inch	Spare	1	Raceway Only				
Truck Canopy	1 Inch	Power	1	Raceway Only				
	1 Inch	Spare	3	Raceway Only				
STP	1 Inch	Power	4	# 10				
Tank Sensor Home Run	1 Inch	Sensor	EACH SUMP	# 18/2 Cable	Per Sensor	# 12 Ground	3-1" to each stp Sump for sen's w/ 1 spare	
ATG & Interstitial Loops Home Run	3/4 Inch	Sensor	Per Sensor	# 18/2 Cable	Per Sensor	# 12 Ground	3-1" Home Run for ATG & Int. Loops	
Remote E Stop	3/4 Inch		3	# 12				

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX25541PX1183LPLP203PX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

No.	Revision/Issue	Date
2	ISSUE FOR PERMIT	10/28/2021
1	ISSUE FOR CLIENT REVIEW	11/03/2022

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Client Name and Address
 ANDREW MOHR, P.E.
 FL REG. NO. 73077
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Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571
 Sheet Title
FUEL SYSTEM ELECTRIC SITE PLAN

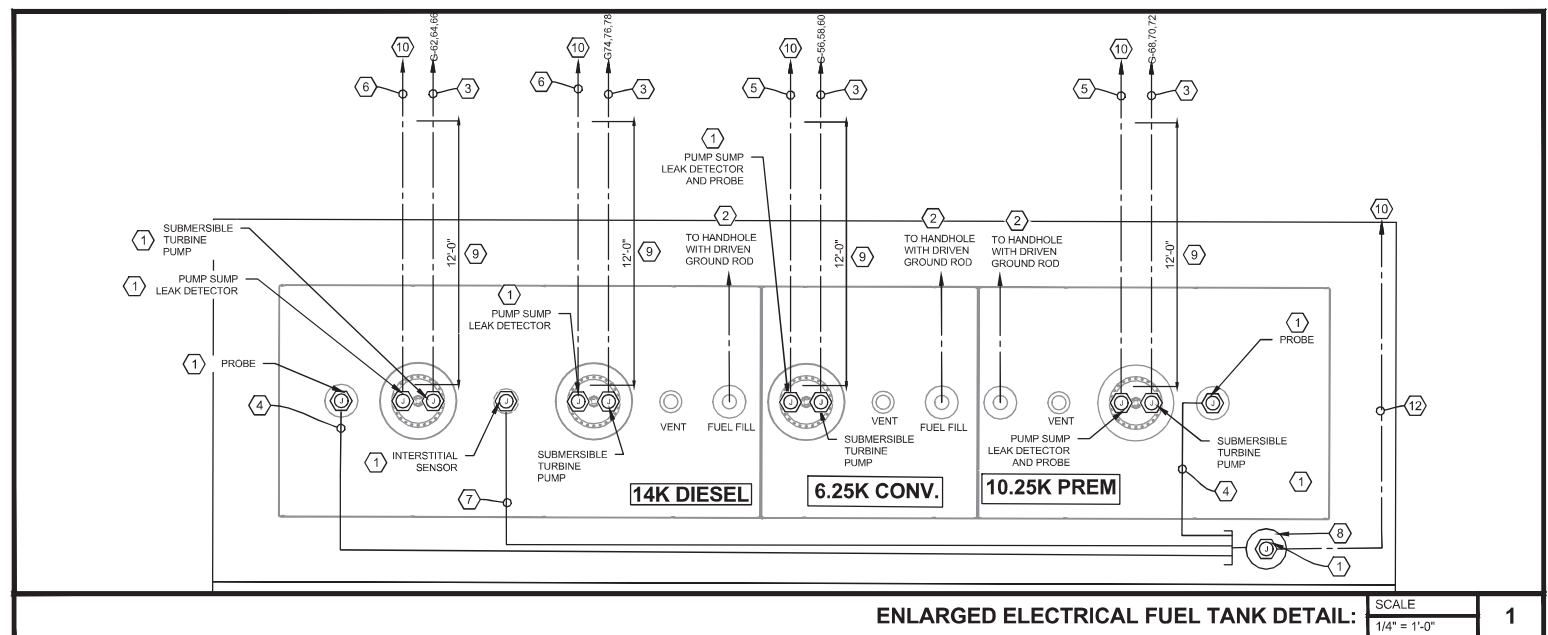
Project No. 170-84.00
 Date AS NOTED
 Scale AS NOTED
 Sheet T10.0

KEYED NOTES:

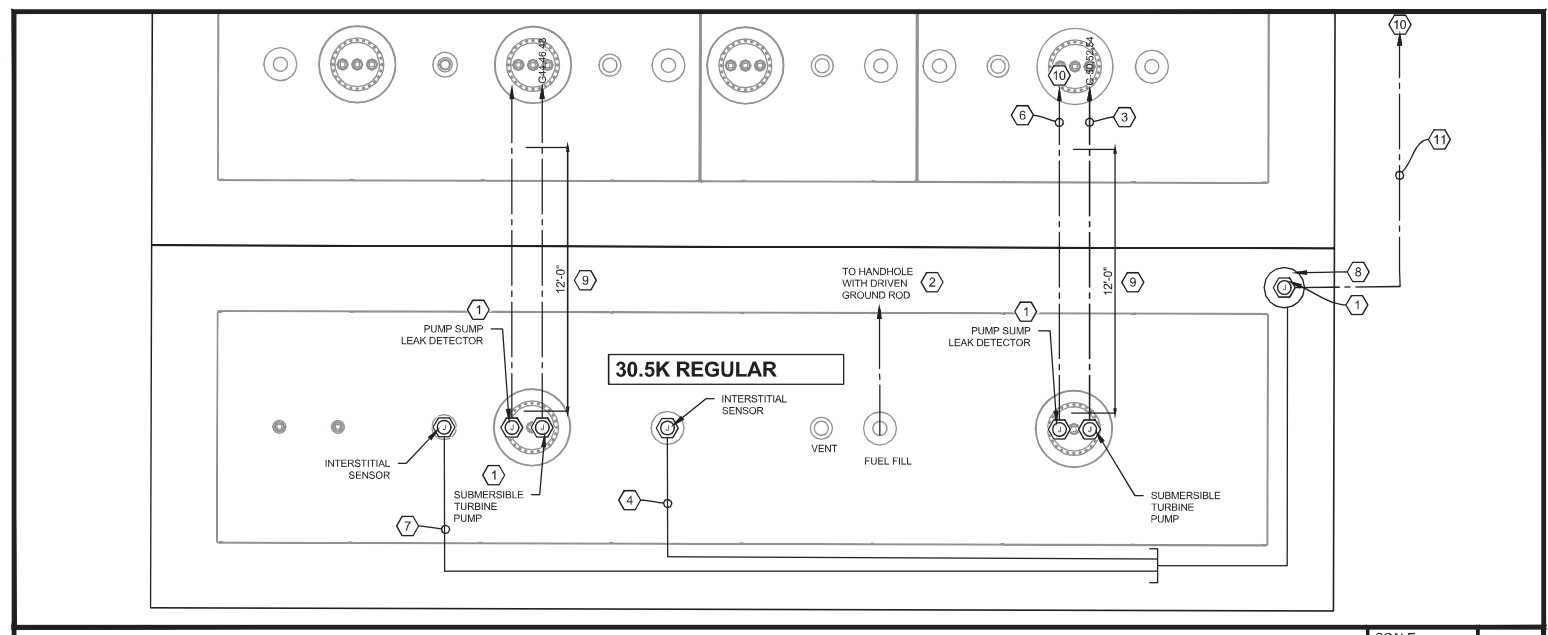
- 1 EXPLOSION PROOF JUNCTION BOX: CROUSE-HINDS GUA SERIES OR EQUAL.
- 2 FUEL FILL GROUND FOR UST: REFER TO DETAIL 4 ON SHEET T10.0
- 3 SUBMERSIBLE TURBINE PUMP(STP) POWER: 3-#10 & 1-#10 GND. 1°C. STP POWER. ROUTE TO PUMP CONTROL PANEL. PROVIDE HOME RUN FROM CONTROL PANEL TO PANEL 'G'.
- 4 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (1) 3/8" SHIELDED(AUTOMATIC TANK GAUGE) AND (1) 3/8" SHIELDED(SPARE) IN 1" CONDUIT.
- 5 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (1) 3/8" SHIELDED(AUTOMATIC TANK GAUGE), (1) 2/C SHIELDED(PUMP SUMP LEAK DETECTOR) AND (1) 3/8" SHIELDED(SPARE) IN 1" CONDUIT.
- 6 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (1) 2/C #18 SHIELDED(PUMP SUMP LEAK DETECTOR) IN 1" CONDUIT.
- 7 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (1) 2/C #18 SHIELDED(INTERSTITIAL SENSOR) AND (1) 3/8" SHIELDED(SPARE) IN 1" CONDUIT.
- 8 24" STEEL HANDHOLE: COLLECT CONDUITS FROM SENSORS AND PROBES IN HANDHOLE FOR ROUTING IN ONE CONDUIT TO FUEL MONITORING PANEL. PROVIDE CLASS 1, DIV. 1 WIRING INCLUDE CONDUIT SEAL-OFF FITTINGS AND EXPLOSION PROOF JUNCTION BOX IN HANDHOLE. PROVIDE RIGID GALVANIZED STEEL CONDUIT IN HANDHOLE AND MIN 24" OUTSIDE OF HANDHOLE.
- 9 FRANKLIN FUELING 'CABLE TIGHT' WIRE MANAGEMENT SYSTEM. THESE (2) CONDUITS SHALL UTILIZE THE CABLE TIGHT SYSTEM FOR THE FIRST 12'-0". TRANSITION TO SCHEDULE 40 PVC FOR THESE CONDUIT RUNS BEYOND THE 12'-0" DISTANCE.
- 10 FUEL MONITORING PANEL: ROUTE CONDUIT AND CONDUCTORS TO FUEL MONITORING PANEL PORTION OF THE CPI UNITIZED GEAR.
- 11 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (1) 3/8" SHIELDED(AUTOMATIC TANK GAUGE), (1) 2/C SHIELDED(INTERSTITIAL SENSOR) AND (2) 3/8" SHIELDED(SPARE) IN 1" CONDUIT.
- 12 SENSOR CONDUIT AND CONDUCTORS: PROVIDE (2) 3/8" SHIELDED(AUTOMATIC TANK GAUGE), (1) 2/C SHIELDED(INTERSTITIAL SENSOR) AND (2) 3/8" SHIELDED(SPARE) IN 1" CONDUIT.

GENERAL NOTES:

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- B. VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO ROUGH-IN.
- C. COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
- D. ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE UNDERGROUND STORAGE FUEL TANKS SHALL BE PER NEC ARTICLE 514 AND NFPA 30A.
- E. ALL INTRINSICALLY SAFE(S) WIRING SHALL BE PER NEC ARTICLE 504 AND ANS/ISA RP 12.6. IN ADDITION, SPECIAL (IS) WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE FUEL TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACEWAYS (INCLUDING TROUGHS). TROUGHS SHALL HAVE A PERMANENTLY ATTACHED METAL DIVIDER THAT IS EQUIPOTENTIALLY BONDED TO EARTH.
- F. FURNISH AND INSTALL POURED SEALING FITTINGS AT BOTH ENDS OF ALL CONDUITS FROM FUEL DISPENSERS AND UNDERGROUND FUEL STORAGE TANKS.
- G. REFERENCE MANUFACTURER INSTALLATION MANUALS FOR UNDERGROUND FUEL STORAGE TANK EQUIPMENT WIRING INTERCONNECTIONS.
- H. ALL POWER CONDUCTORS SHALL BE STRANDED WITH DUAL RATED THHN/THWN INSULATION.
- I. INTERMEDIATE METAL CONDUIT (IMT) SHALL NOT BE USED.
- J. HOMERUN CONDUITS TO DISPENSERS AND TANKS TO BE RIGID METAL HOT DIPPED GALVANIZED CONDUIT AND SCHEDULE 40 PVC PER NEC ARTICLE 514.8, EXCEPTION #2.
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- L. PENETRATE SUBMERSIBLE TURBINE PUMP(STP) WITH ONLY (1) VEEDER-ROOT CONDUIT.
- M. PROVIDE 'EYS' SEALING FITTINGS WHERE CONDUITS ENTER OR LEAVE ANY HAZARDOUS CLASSIFIED AREA.
- N. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL POWER AND INTRINSICALLY SAFE CONDUITS.
- O. REFER TO BUILDING ELECTRICAL DRAWINGS FOR PANEL SCHEDULES.
- P. THE TERM PROVIDE MEANS THAT THE CONTRACTOR WILL 'FURNISH' AND 'INSTALL' ITEM.



ENLARGED ELECTRICAL FUEL TANK DETAIL: SCALE 1/4" = 1'-0" 1



ENLARGED ELECTRICAL FUEL TANK DETAIL: SCALE 1/4" = 1'-0" 1

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PK254PX1183XLP203PX2109
 FBC CODE: 2020 FBC
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No.	Revision/Issue	Date
2	ISSUE FOR PERMIT	10/28/2021
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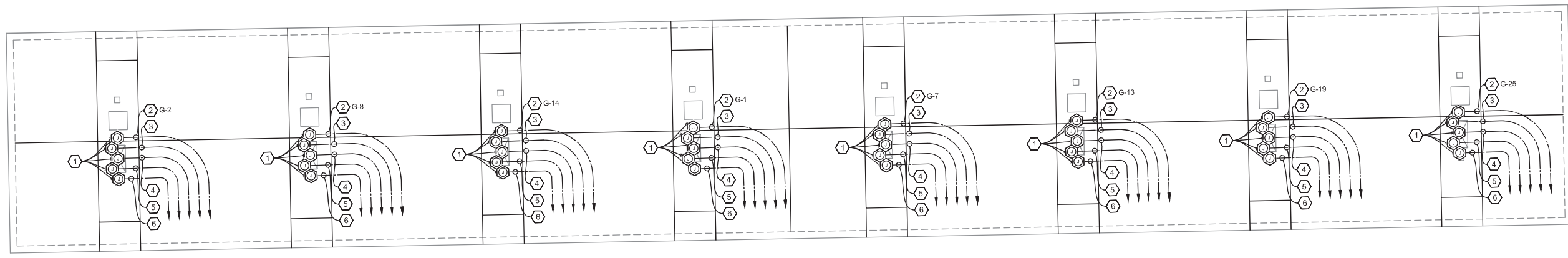
ANDREW MOHR, P.E.
 FL REG. NO. 73077

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Project Name and Address
 CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
 ENLARGED ELECTRICAL TANK PLANS

Project No. 170-84.00	Sheet T10.1
Date AS NOTED	
Scale AS NOTED	



ENLARGED ELECTRICAL PLAN VEHICLE FUELING STATION DETAIL SCALE 1/8" = 1'-0" 1

NO CABLE TIGHT STYLE WIRE MANAGEMENT SHALL BE UTILIZED FOR THE DISPENSING UNIT CONDUIT SYSTEMS

- KEYED NOTES:**
- 1 EXPLOSION PROOF JUNCTION BOX: CROUSE-HINDS GUA SERIES OR EQUAL.
 - 2 VEHICLE FUEL DISPENSER CONDUITS AND CONDUCTORS: 2-#10 (DISPENSER PWR), 10-#14 (FIVE PRODUCT DISPENSER NOTE #15), 1- CABLE (DISPENSER DATA PER TANK ELECTRICAL GENERAL NOTE #15), 1- CABLE (CARD READER PER TANK ELECTRICAL GENERAL NOTE #15)& 1-#10 GND, 1" C. ROUTE TO PANELBOARD, PUMP CONTROL PANEL & FUEL MANAGEMENT SYSTEM.
 - 3 DISPENSER INTERCOM: PROVIDE (2) 2/C #18 SHL'D CABLES IN 1" CONDUIT. ROUTE TO INTERCOM MASTER STATION IN CPI UNITIZED SWITCHGEAR.
 - 4 DISPENSER VGA SCREEN: PROVIDE (1) CAT5 UL AWM STYLE 21146 CABLE IN 1" CONDUIT. ROUTE TO VEEDER-ROOT ADVERTISEMENT EQUIPMENT IN C-STORE. COORDINATE WITH OWNER FIELD REPRESENTATIVE FOR EXACT LOCATION PRIOR TO SLAB POUR.
 - 5 DISPENSER SUMP SENSOR: PROVIDE 2/C #18 SHL'D & 2/C #18 SHL'D (SPARE) IN 3/4" CONDUIT. ROUTE TO FUEL TANK MONITOR PANEL.
 - 6 DISPENSER SPARE CONDUIT: PROVIDE (1) SPARE 1" CONDUIT W/ PULL STRING TO CPI UNITIZED SWITCHGEAR.
 - 7 TRUCK DISPENSER INTERCOM: (2) 2/C #18 SHIELDED CABLES (DISPENSER INTERCOM) ROUTE FROM DISPENSER TO INTERCOM MASTER STATION IN CPI UNITIZED GEAR.
 - 8 TRUCK DISPENSER VGA SCREEN: PROVIDE (1) CAT 5 UL AWM STYLE 21146 IN 1" CONDUIT FROM DISPENSER TO VEEDER-ROOT ADVERTISEMENT EQUIPMENT IN C-STORE. OBTAIN EXACT LOCATION OF VEEDER ROOT EQUIPMENT FROM OWNER FIELD REPRESENTATIVE.
 - 9 TRUCK DISPENSER POWER AND CONTROL: PROVIDE 2-#10 (DISPENSER POWER), 6-#14 (3 PRODUCT DISPENSER CONTROL), 1- CABLE (DISPENSER DATA PER TANK ELECTRICAL GENERAL NOTE #15), 1- CABLE (CARD READER PER TANK ELECTRICAL GENERAL NOTE #15) & 1-#10 EQUIPMENT GROUND IN 1" CONDUIT. ROUTE FROM DISPENSER TO GAS 'G' PANELBOARD, PUMP CONTROL PANEL & FUEL MANAGEMENT SYSTEM.
 - 10 MASTER/SLAVE DISPENSER CONDUCTORS: PROVIDE (1) SHIELDED CABLE (SLAVE DISPENSER HANDLE) AND (1) SHIELDED CABLE (SLAVE DISPENSER VALVE). ROUTE 1" CONDUIT FROM MASTER DISPENSER TO SLAVE DISPENSER.

- GENERAL NOTES:**
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 - B. VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO ROUGH-IN.
 - C. COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
 - D. ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE UNDERGROUND STORAGE FUEL TANKS SHALL BE PER NEC ARTICLE 514 AND NFPA 30A.
 - E. ALL INTRINSICALLY SAFE (IS) WIRING SHALL BE PER NEC ARTICLE 504 AND ANSI/ISA RP 12.6. IN ADDITION, SPECIAL (IS) WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE FUEL TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACEWAYS (INCLUDING TROUGHS). TROUGHS SHALL HAVE A PERMANENTLY ATTACHED METAL DIVIDER THAT IS EQUIPOTENTIALLY BONDED TO EARTH.
 - F. FURNISH AND INSTALL POURED SEALING FITTINGS AT BOTH ENDS OF ALL CONDUITS FROM FUEL DISPENSERS AND UNDERGROUND FUEL STORAGE TANKS.
 - G. REFERENCE MANUFACTURER INSTALLATION MANUALS FOR UNDERGROUND FUEL STORAGE TANK EQUIPMENT WIRING INTERCONNECTIONS.
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 - O. REFER TO BUILDING ELECTRICAL DRAWINGS FOR PANEL SCHEDULES.
 - P. THE TERM PROVIDE MEANS THAT THE CONTRACTOR WILL 'FURNISH' AND 'INSTALL' ITEM.

REVIEWED FOR CODE COMPLIANCE

EXAMINER: PX2534PXT18SLP2019PX2109
 FBC CODE: 2020 FBC
 DATE: 02/03/2023

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2	ISSUE FOR PERMIT	10/28/2021
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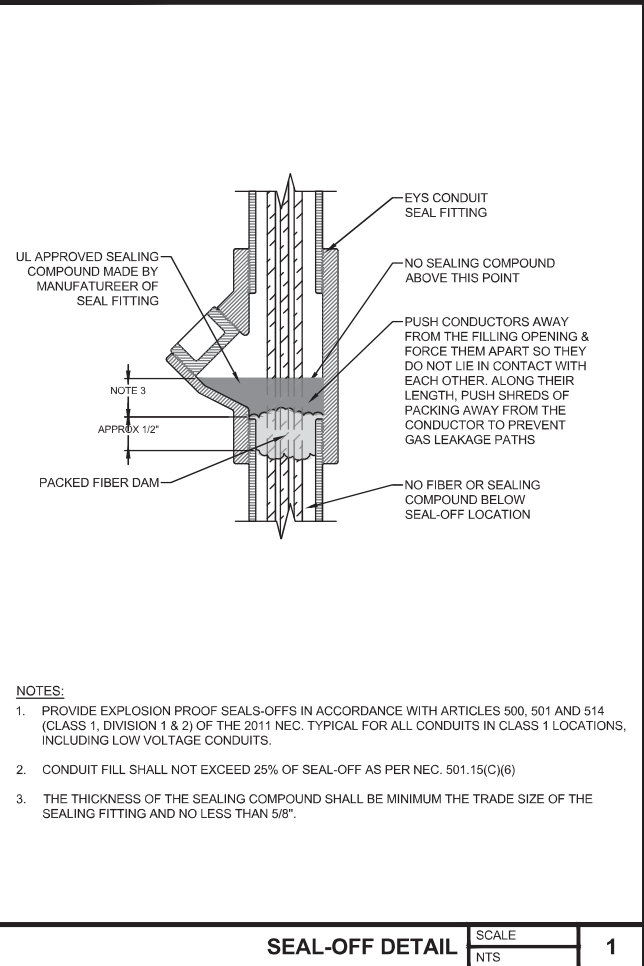
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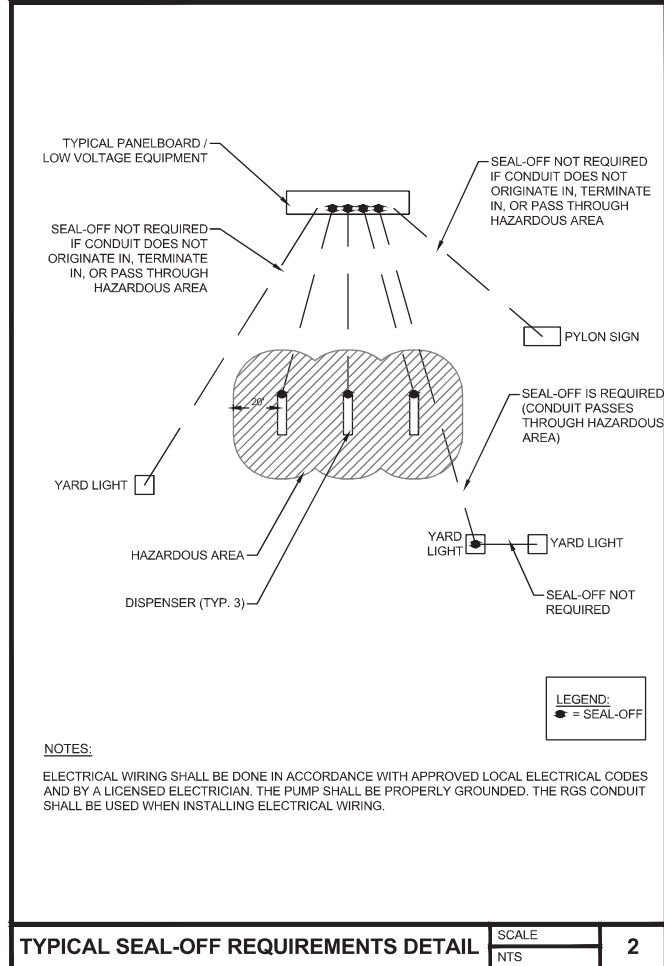
Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
ENLARGED ELECTRICAL FUEL STATION PLANS

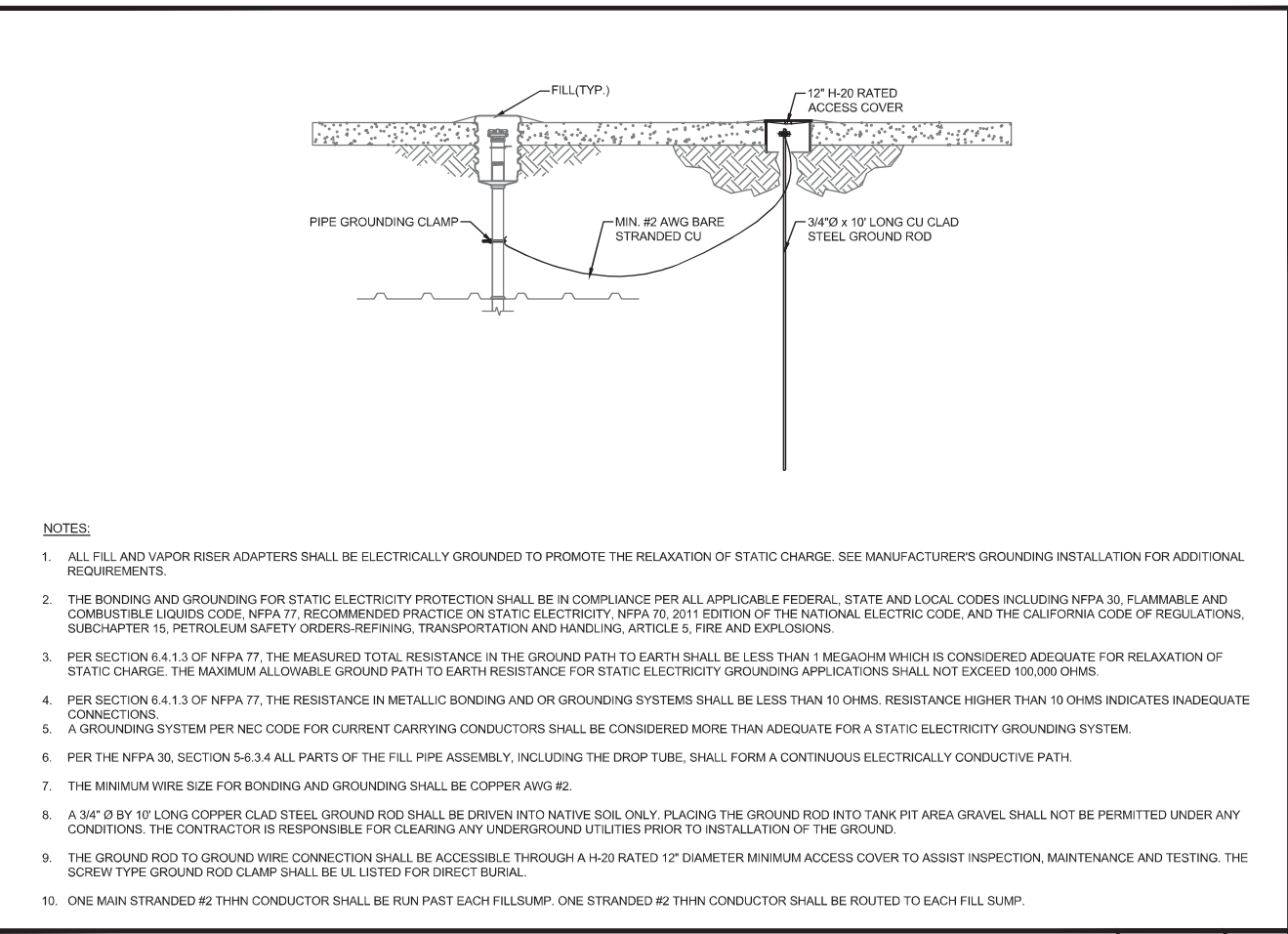
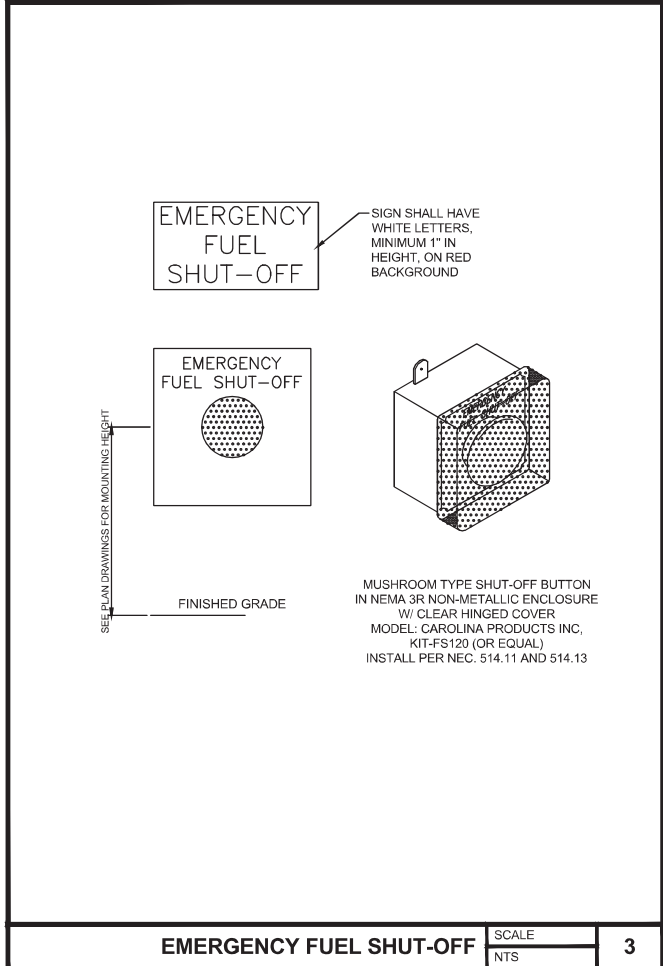
Project No. 170-84.00	Sheet
Date AS NOTED	T10.2
Scale AS NOTED	



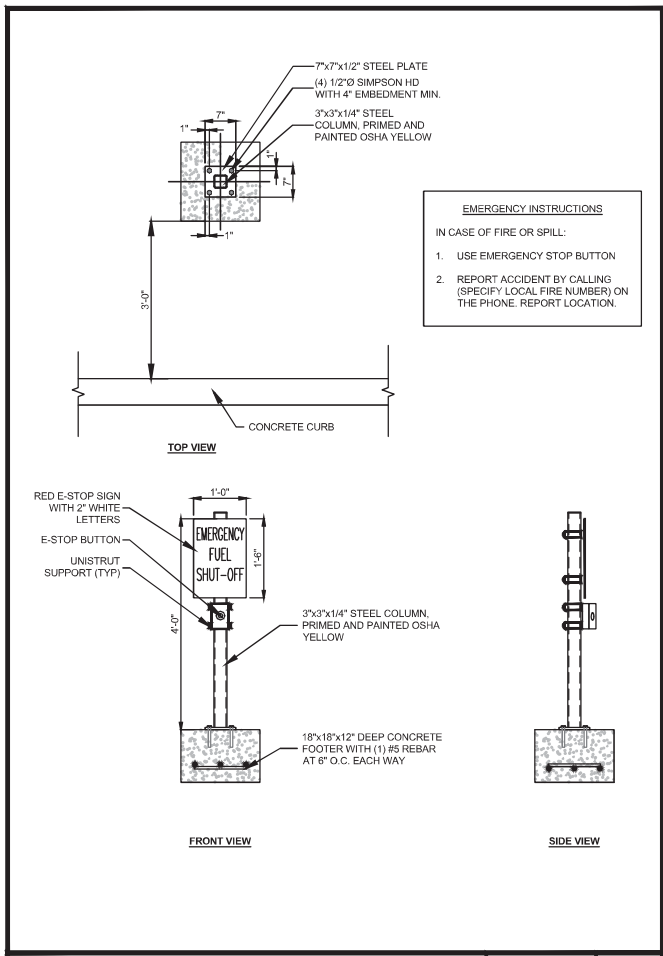
SEAL-OFF DETAIL SCALE NTS 1



TYPICAL SEAL-OFF REQUIREMENTS DETAIL SCALE NTS 2



TANK GROUNDING DETAILS SCALE NTS 4



REMOTE EMERGENCY FUEL SHUT-OFF SCALE NTS 5

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EXAMINER: DP2584PX1185LEP2020P02109

FBC CODE: 2020 FBC

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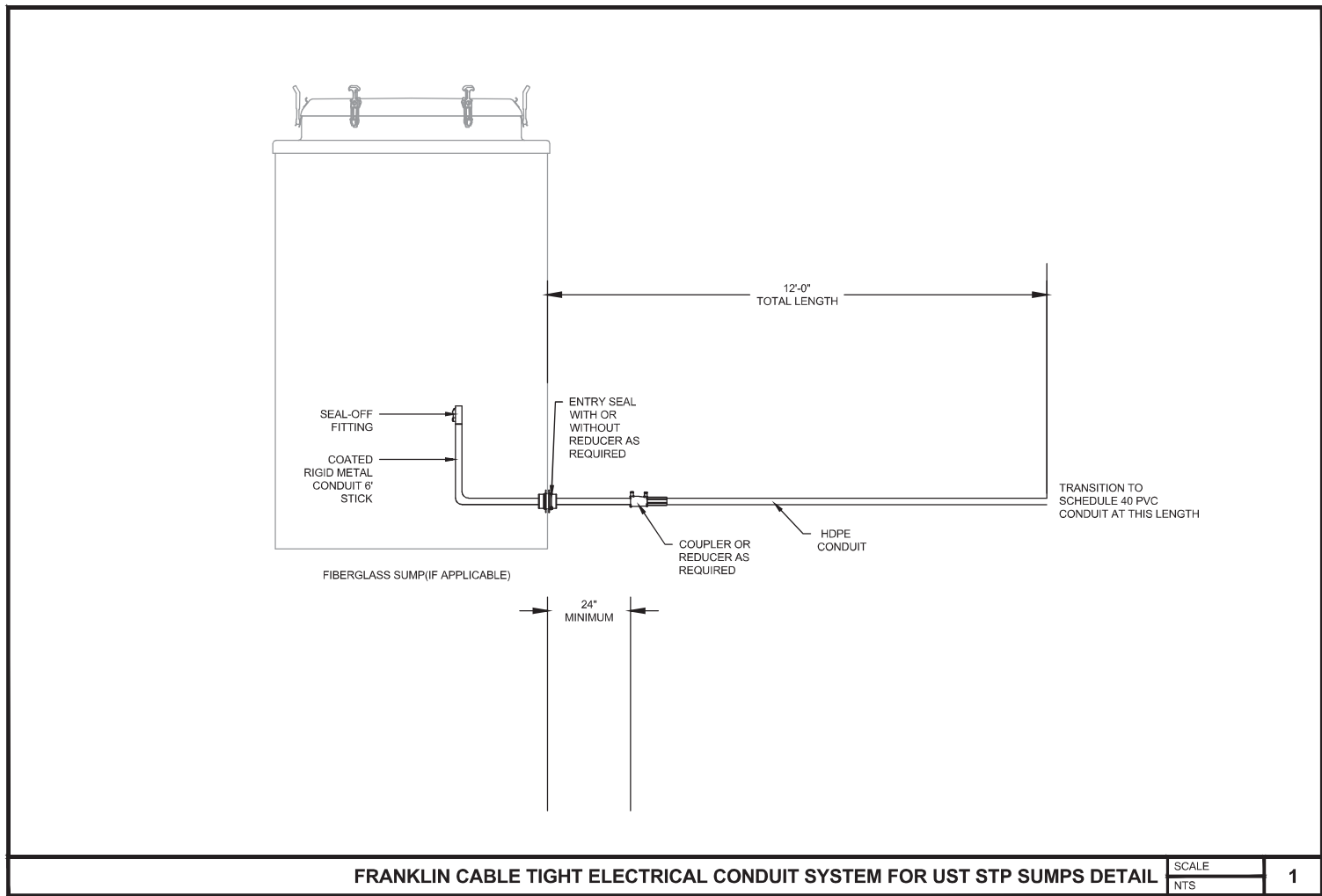
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Sheet Title
TANK ELECTRICAL DETAILS

Project No. 170-84.00	Sheet T11.0
Date AS NOTED	
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FRANKLIN CABLE TIGHT ELECTRICAL CONDUIT SYSTEM FOR UST STP SUMPS DETAIL

SCALE	1
NTS	

FRANKLIN FUELING CABLE TIGHT WIRE MANAGEMENT SPECIFICATION

PART 1 GENERAL

1. SECTION INCLUDES:
 - 1.1. THE UNDERGROUND WIRE MANAGEMENT SYSTEM SHALL BE CABLE TIGHT AS MANUFACTURED BY FRANKLIN FUELING SYSTEMS. SYSTEM SHALL CONSIST OF IMPACT RESISTANT, CORROSION-RESISTANT HDPE (HIGH DENSITY POLYETHYLENE) CONSTRUCTION.
2. REFERENCES:
 - 2.1. NFPA 30 - FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE
 - 2.2. NFPA 30A - CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES
 - 2.3. UNDERWRITERS LABORATORIES - UL-651 HDPE CONDUIT
 - 2.4. FFS 40800107 UPP PIPING SYSTEMS ELECTROFUSION WELDING INSTRUCTIONS
 - 2.5. FFS 408001010 EF1-230V HAND-HELD WELDER OPERATING MANUAL
 - 2.6. FFS 408001016 UPP PIPING INSTALLATION GUIDE
 - 2.7. FFS 408001017 UPP PIPING ENTRY SEAL INSTALLATION GUIDE
 - 2.8. FFS 771-125-00 CONDUIT RIGID ENTRY BOOTS INSTALLATION INSTRUCTIONS
 - 2.9. UL6 & UL971 RIGID METAL CONDUITS
 - 2.10. UL 971 ELECTROFUSION FITTINGS
3. QUALITY ASSURANCE:
 - 3.1. THE WIRE MANAGEMENT SYSTEM SHALL BE INSTALLED AS SPECIFIED ON CONTRACT DRAWINGS AND OR AT THE DISCRETION OF THE RESPONSIBLE INSTALLING CONTRACTOR TO PROVIDE A COMPLETE AND TESTED WIRE MANAGEMENT SYSTEM AS REQUIRED FOR THE PROJECT AND PER FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
4. DELIVERY, STORAGE, AND HANDLING:
 - 4.1. CONDUIT AND FITTINGS SHALL BE PROTECTED FROM DAMAGE DUE TO IMPACT AND POINT LOADING. THE CONTRACTOR SHALL NOT ALLOW DIRT, DEBRIS OR OTHER EXTRANEIOUS MATERIALS TO GET INTO THE CONDUIT AND FITTINGS.
5. PROJECT CONDITIONS:
 - 5.1. PERFORM GROUND PENETRATING RADAR STUDY, SITE SURVEY, RESEARCH PUBLIC UTILITY RECORDS AND VERIFY EXISTING UTILITY LOCATIONS. CONTACT UTILITY-LOCATING SERVICE FOR AREA WHERE PROJECT IS LOCATED.

PART 2 PRODUCTS

6. ACCEPTABLE MANUFACTURERS:
 - 6.1. ALL CONDUIT, FITTINGS AND SPECIALTY COMPONENTS FOR COMPLETE AND CODE COMPLIANT CONDUIT SYSTEMS PER FRANKLIN FUELING CABLE TIGHT.
 - 6.2. CABLE TIGHT FITTINGS AND ENTRIES SHALL BE UL971 LISTED ELECTROFUSION TYPE AND MADE OF MOLDED HDPE WITH NYLON BASED POLYMERS. FITTINGS INCLUDE COUPLERS, REDUCERS, TERMINATION FITTINGS, UNIONS AND ENTRY FITTINGS.
 - 6.3. ALL CONDUIT TIGHT FITTINGS AND CONDUIT ARE TO BE ELECTROFUSED USING THE ELECTROFUSION WELDER IN ACCORDANCE WITH MANUFACTURER INSTALLATION REQUIREMENTS.
- 6.4. CONDUIT:
 - 6.4.1. CONDUIT SHALL BE AVAILABLE IN 3/4" THRU 1" DIAMETERS.
 - 6.4.2. ALL PART NUMBER BELOW ARE FRANKLIN FUELING (ONLY PROVIDE WHAT IS NEEDED FOR THE APPLICATION):

• 000-075-1000-EC-U	1/2" FLEXIBLE CONDUIT REEL 1000'
• 000-075-1500-EC-U	3/4" FLEXIBLE CONDUIT REEL 1500'
• 000-075-06-ERM-C-PE	3/4" COATED RIGID METAL CONDUIT-12 PACK
• 000-075-06-ERM-C	3/4" SPIGOTTED RIGID METAL CONDUIT(6" STICK) 12 PACK
• 91-027 NPT	3/4" SPIGOTTED RIGID METAL CONDUIT(8" STUB)
• REB-C-0075	3/4" FIBERGLASS ENTRY SEAL(FLAT SURFACE)
• REB-C-R-0075	3/4" FIBERGLASS ENTRY SEAL(ROUND SURFACE)
• 303-063	POLYETHYLENE ENTRY SEAL (USED FOR 3/4" AND 1" SYSTEMS)
• 49-063-031	3/4" POLYETHYLENE ENTRY SEAL REDUCER
• 02-027	3/4" COUPLER
• 000-100-1000-EC-U	1" FLEXIBLE CONDUIT REEL 1000'
• 000-100-06-ERM-C-PE	1" COATED RIGID METAL CONDUIT(6" STICK) 12 PACK
• 000-100-06-ERM-C	1" SPIGOTTED RIGID METAL CONDUIT(6" STICK) 12 PACK
• 91-033 NPT	1" SPIGOTTED RIGID METAL CONDUIT(8" STUB)
• REB-C-0100	1" FIBERGLASS ENTRY SEAL(FLAT SURFACE)
• REB-C-R-0100	1" FIBERGLASS ENTRY SEAL(ROUND SURFACE)
• 303-063	POLYETHYLENE ENTRY SEAL (USED FOR BOTH 3/4" AND 1" SYSTEMS)
• 49-063-038	1" REDUCING COUPLER
• 02-033	1" COUPLER
• EF1-110V-A	ELECTROFUSION WELDER 110V
• EF1-230V	HANDHELD ELECTROFUSION WELDER, 230V
• 408032001	STEP-UP TRANSFORMER REQUIRED FOR HAND-HELD WELDER OPERATION
• EF1-BC 2MM	EF1 WELDER BRIDGING CABLE
• ROTOSCRAPER075	3/4" SPEED SCRAPER TOOL
• ROTOSCRAPER100	1" SPEED SCRAPER TOOL
• SCR-025-125	ROTARY SCRAPER
• SCR-HAR	HANDHELD SCRAPER
• SCR-HAR(B)	SPARE BLADES FOR HANDHELD SCRAPER
• 303-CLAMP-1	POLYETHYLENE ENTRY SEAL WELDING CLAMP
• 408179001	3/4" SPIGOTTED RIGID METAL CONDUIT TO 3/4" FLEXIBLE CONDUIT CLAMP
• 408179002	1" SPIGOTTED RIGID METAL CONDUIT TO 1" FLEXIBLE CONDUIT CLAMP
• 408179003	3/4" COATED RIGID METAL CONDUIT TO 3/4" FLEXIBLE CONDUIT CLAMP
• 408179004	1" COATED RIGID METAL CONDUIT TO 1" FLEXIBLE CONDUIT CLAMP
• 408005901	CONSUMABLES KIT INCLUDING LINT FREE RAGS, MARKERS, SPRAY BOTTLES, NITRILE GLOVES, EMERY CLOTH AND PAINT SCRAPERS.

Date	10/26/2021
Revision/Issue	1 1/03/2023
Issue for Client Review	
Issue for Permit	
No.	2

INFINITY ENGINEERING GROUP, LLC
 1208 East Kennedy Boulevard
 Suite 230
 Tampa, Florida 33602
 [p]: 813.434.4770
 [f]: 813.445.4211
 www.ieggroup.net
 FL Cert. of Auth. No. 27889

Client Name and Address

CEFCO
CONVENIENCE STORES

RANDY KIMBALL, P.E.
FL REG. NO. 79087

ANDREW MOHR, P.E.
AL REG. NO. 35471

Date
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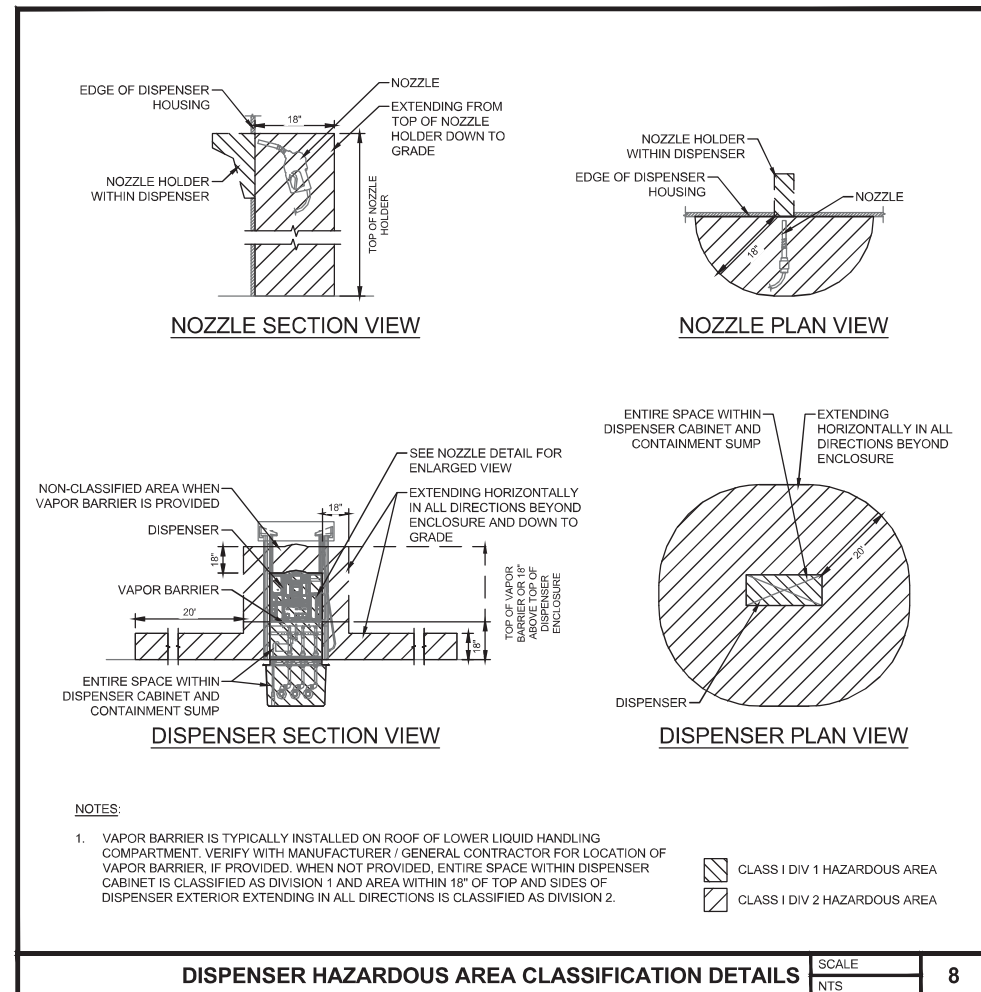
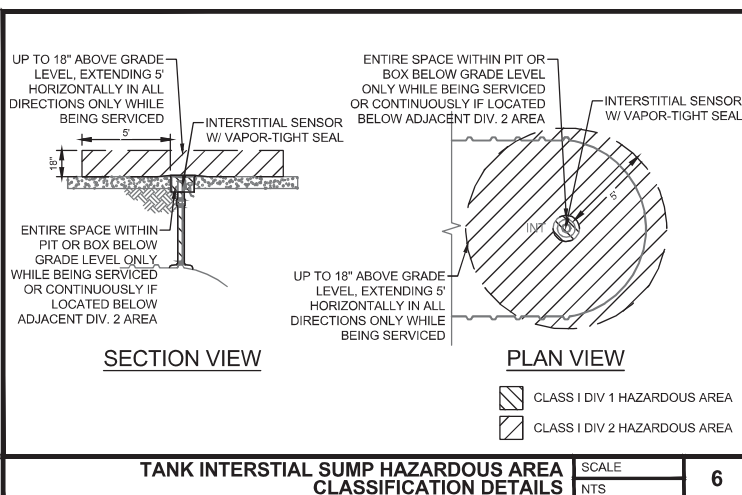
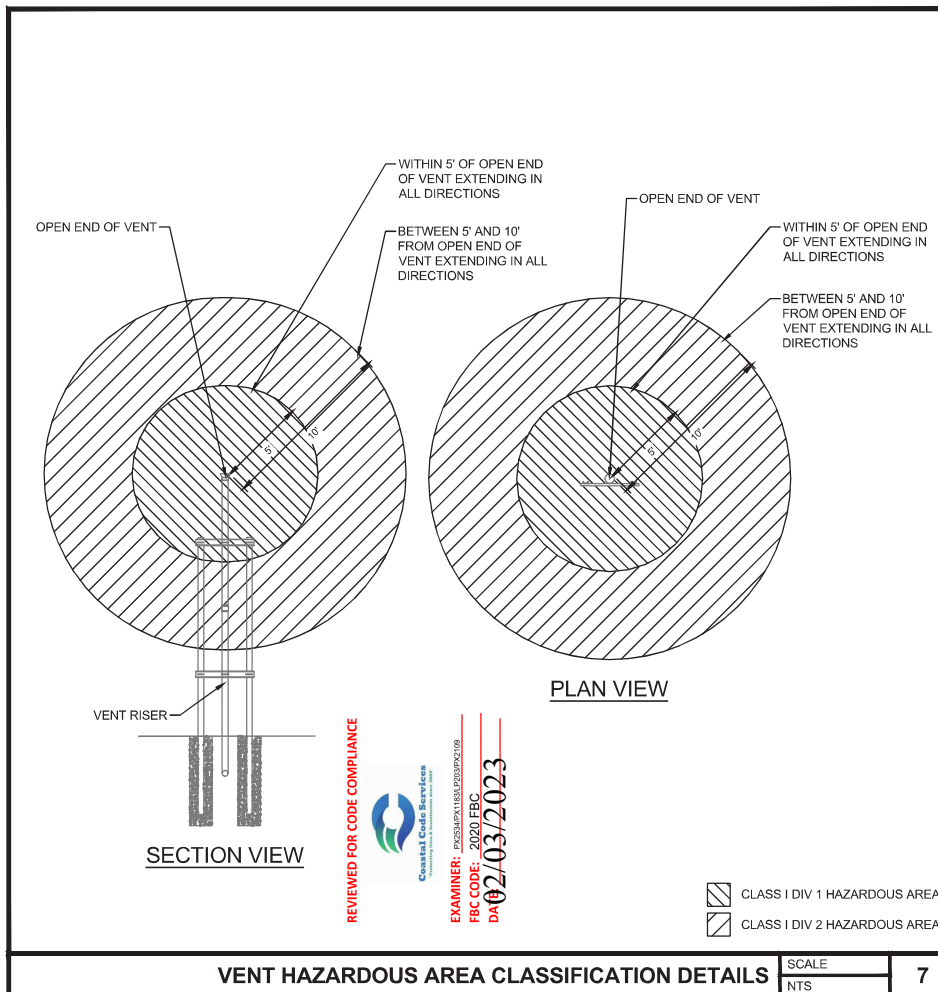
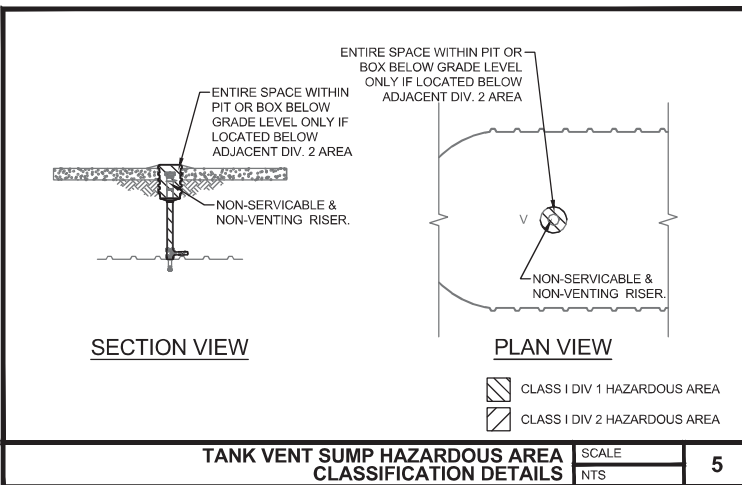
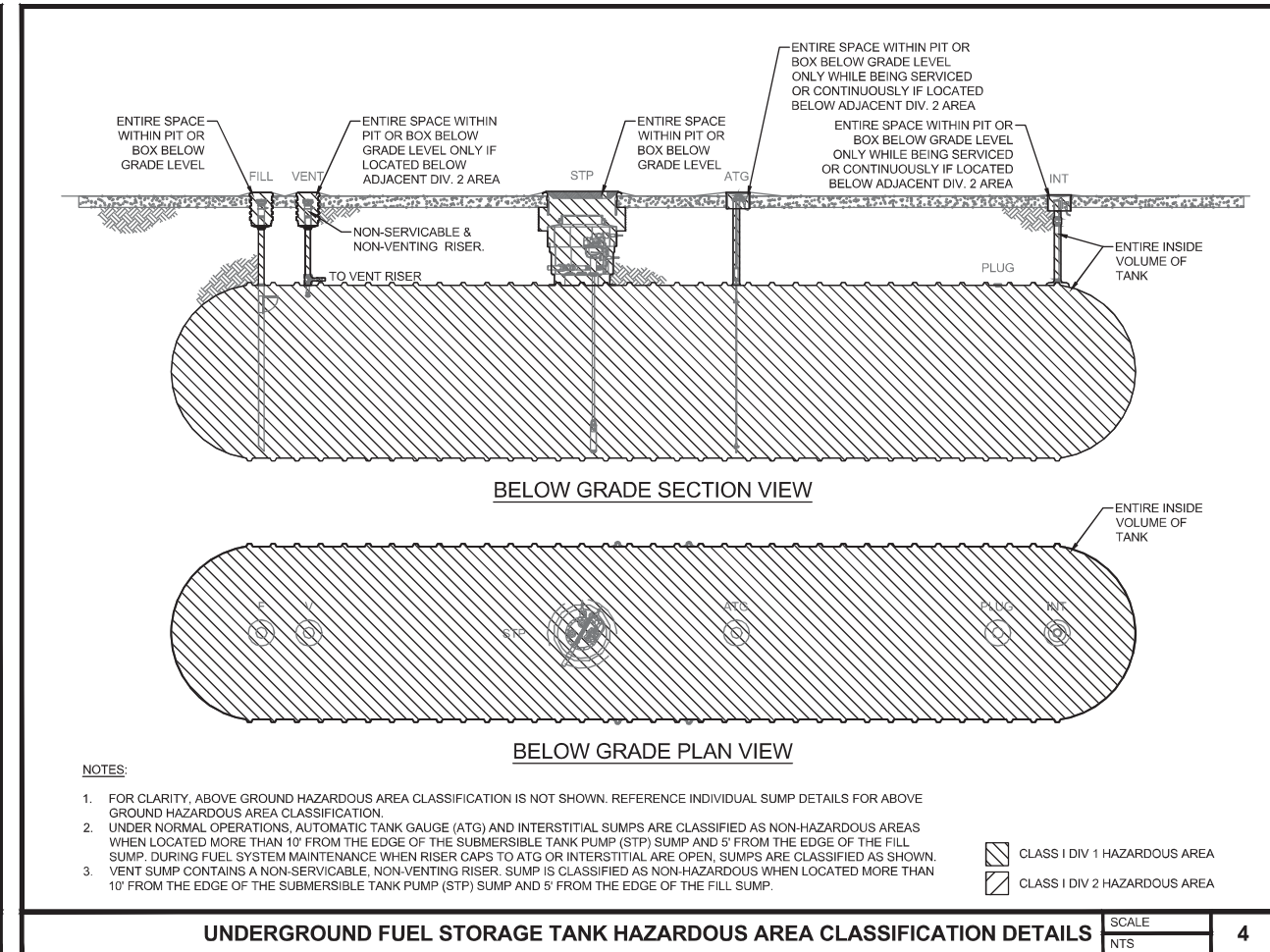
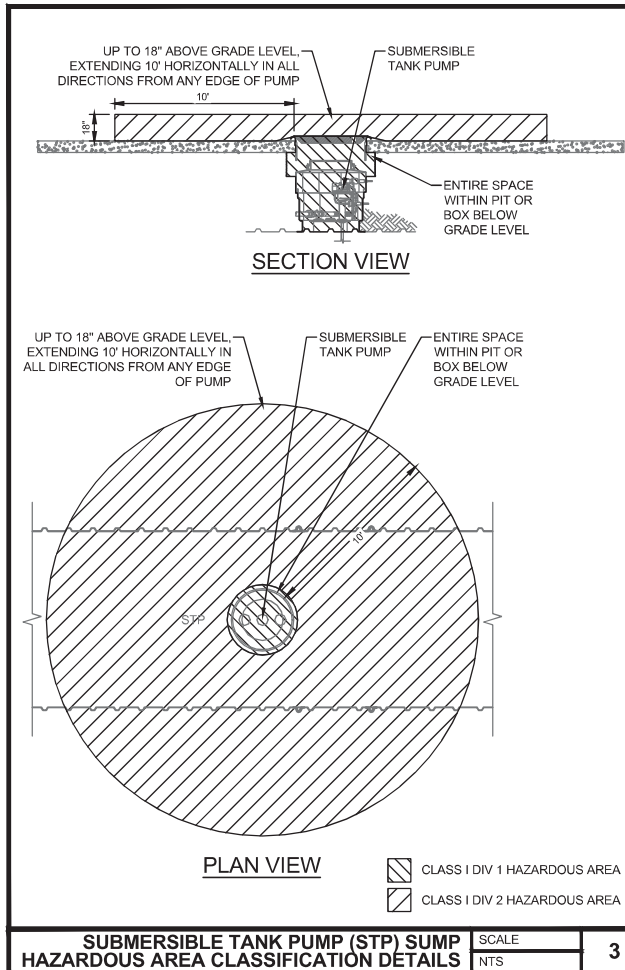
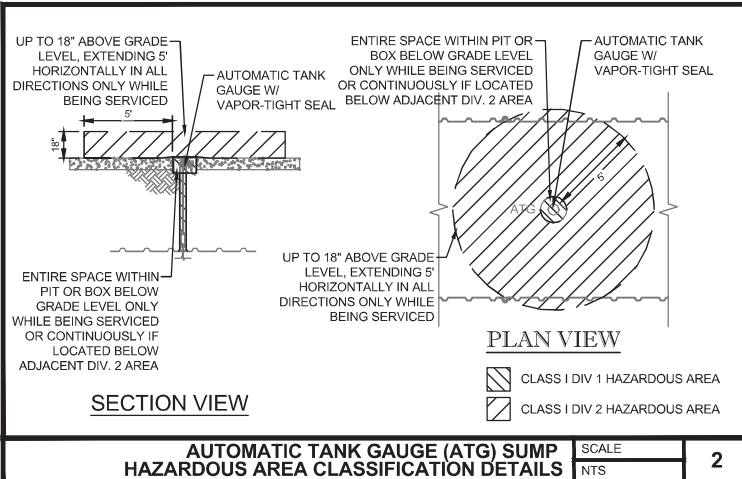
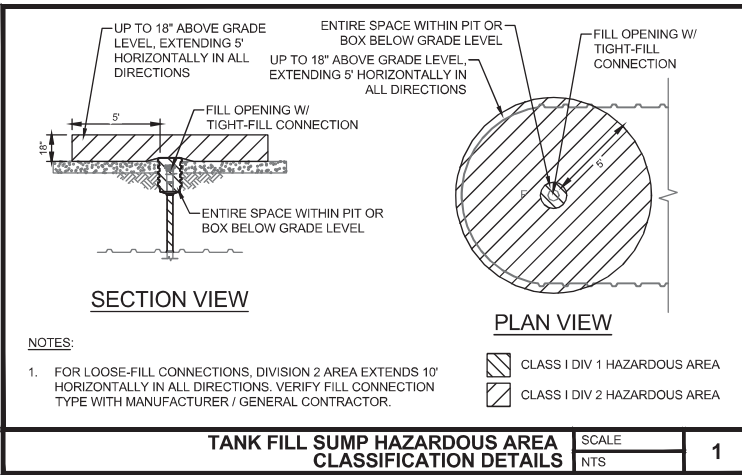
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 FBC CODE: 2020 FBC
 DATE: 02/03/2023

IMPORTANT:
EC SHALL PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE AND CODE COMPLIANT WIRE MANAGEMENT SYSTEM BY FRANKLIN FUELING SYSTEMS 'CABLE TIGHT' FOR THE (2) CONDUITS FROM EACH STP SUMP EXTENDING 12'-0" FROM THE STP SUMP AND TRANSITION TO SCHEDULE 40 PVC CONDUIT UNDERGROUND ONLY.

Project Name and Address
CEFCO #426 - PACE
 90 WEST SPENCER FIELD ROAD
 PACE, FL 32571

Sheet Title
TANK ELECTRICAL DETAILS

Project No.	170-84.00	Sheet	T11.1
Date	AS NOTED		
Scale	AS NOTED		



Project Name and Address

10/29/2021	11/03/2022	Date
2	1	No.
ISSUE FOR PERMIT	ISSUE FOR CLIENT REVIEW	Revision/Issue

INFINITY

INFINITY ENGINEERING GROUP, LLC

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 FL Cert. of Auth. No. 27889

CEFCO

CONVENIENCE STORES

ANDREW MOHR, P.E.
 FL REG. NO. 73077

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Project Name and Address

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 PACE, FL 32571

Sheet Title

HAZARDOUS AREA CLASSIFICATION DETAILS

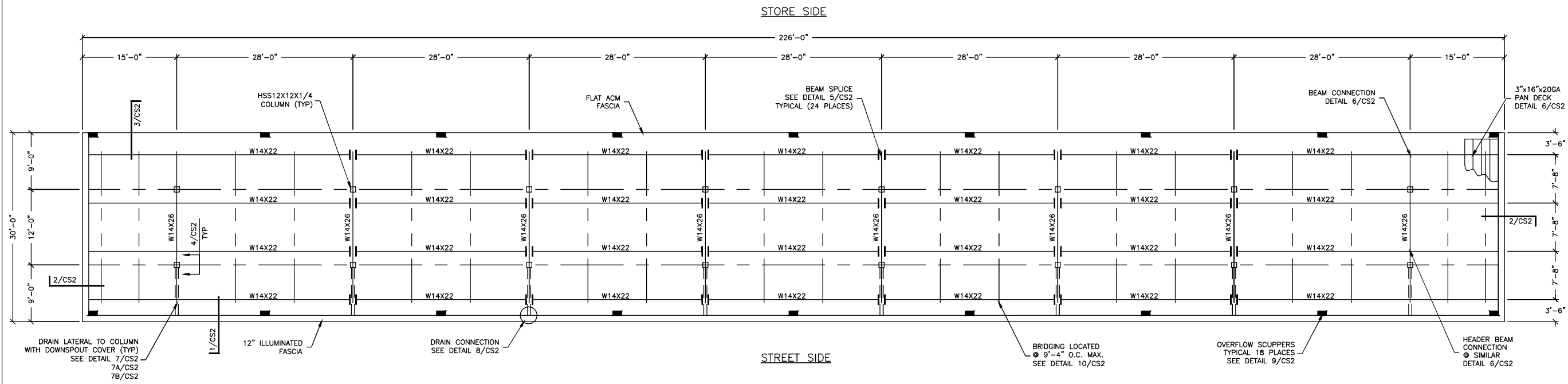
Project No.
 170-84-00

Date
 AS NOTED

Scale
 AS NOTED

Sheet

T12.0



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

SPECIAL NOTE: ALL STEEL TO BE HOT DIPPED GALVANIZED.

CANOPY NOTES

GENERAL NOTES:
 A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE.
 B. OBSERVATION VISITS TO THE SITE BY THE DESIGN ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
 C. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN LIMITS OF DESIGN LOADS.
 D. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.

- BUILDING CODE: 2020 FLORIDA BUILDING CODE / 2018 INTERNATIONAL BUILDING CODE
- USE GROUP: M, CONSTRUCTION TYPE - IIB
- DESIGN LOADS:
 - A. ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
 - B. CANOPY DEAD LOAD: 10.60 PSF
 - C. GROUND SNOW LOAD P_g : 0 PSF
 - FLAT ROOF SNOW LOAD P_f : 0 PSF
 - RAIN ON SNOW SURCHARGE: 0 PSF IF $P_g < 20$
 - EXPOSURE FACTOR C_e : 1.0
 - IMPORTANCE FACTOR I_s : 1.2
 - THERMAL FACTOR C_t : 1.2
- BASIC WIND SPEED: $V=150$ MPH, $V_{sd}=116$ MPH
 BUILDING RISK CATEGORY: II
 EXPOSURE: C
 COMPONENT & CLADDING: ASCE 7-16 CHAPTER 30
 ROOF DESIGN PRESSURES (PSF) C&C FIGURE 30.8-1

ZONE 3	ZONE 2	ZONE 1
67	-63	44
67	-63	44

- EARTHQUAKE DESIGN:
 - IMPORTANCE FACTOR: 1.0
 - $S_s=0.083g$
 - $S_1=0.056g$
 - SITE CLASS: 0
 - SEISMIC DESIGN CATEGORY: B
 - SEISMIC FORCE RESISTING SYSTEM: G.2 STEEL ORDINARY CANTILEVERED COLUMN SYSTEM
 - DESIGN BASE SHEAR: 5.09k
 - SEISMIC RESPONSE COEFFICIENT: $C_s = 0.07$
 - RESPONSE MODIFICATION FACTOR: $R=1.25$
 - SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
- FOUNDATION DESIGN:
 - ALLOWABLE BEARING PRESSURE: 1500 PSF
 - PER GEOTECHNICAL REPORT BY: NOVA ENGINEERING AND ENVIRONMENTAL, DATED: 15 JULY 2022 (PROJECT NO. 10116-2022107).
 - LATERAL EARTH PRESSURE: 100 PSF/FT
 - * SITE SOILS SHALL BE PREPARED FOR THE FOUNDATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED ABOVE.

- CONCRETE AND REINFORCEMENT:
 - A. CONCRETE FOOTINGS (EXPOSURE CLASSES F0, S0, W0, C0) TYPE II CEMENT COMPRESSION STRENGTH OF $f'_c = 3000$ p.s.i.
 - B. SLAB ON GRADE (BY OTHERS)
 - C. CONCRETE DESIGNED USING $f'_c = 2500$ p.s.i. OR ABOVE SHALL HAVE SPECIAL INSPECTIONS PERFORMED, UNLESS ISOLATED SPREAD FOOTINGS ARE UTILIZED. SEE SPECIAL INSPECTIONS FOR THE CANOPY CONCRETE NOTE.
 - D. REBAR: ASTM A615 GRADE 60
 - E. STIRRUPS AND TIES SHALL HAVE MINIMUM 4" HOOKS.
 - F. MINIMUM CONCRETE REQUIRED FOR REINFORCEMENT: CONCRETE EXPOSED TO GROUND-----3" FORMED CONCRETE EXPOSED TO GROUND-----2"
 - G. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT COMPLYING WITH ASTM C1107, $f'_c=5000$ p.s.i. AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - H. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING TOP OF FOOTING ELEVATIONS AS REQUIRED FOR UNDERGROUND PLUMBING AND ELECTRICAL.
- STRUCTURAL STEEL:
 - A. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATION FOR THE DESIGN OF STRUCTURAL STEEL FOR BUILDINGS" 15TH EDITION.
 - B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, 4.4.2, AND 7.15.
 - C. AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS".
 - D. STRUCTURAL STEEL GRADES:
 - STEEL BEAMS ASTM A992 GRADE 50 $F_y = 50,000$ psi
 - HSS SQUARE & RECTANGLES ASTM500 GRADE C $F_y = 50,000$ psi
 - HSS ROUND COLUMNS: $F_y = 46,000$ psi
 - PIPE ASTM A53 GRADE B $F_y = 35,000$ psi
 - BASE PLATES, CAP PLATES AND CAP PLATE STIFFENERS $F_y = 50,000$ psi
 - ASTM A572 GRADE 50 $F_y = 50,000$ psi
 - ANGLES ASTM A36 $F_y = 36,000$ psi
 - E. ALL BOLTED CONNECTIONS SHALL BE ASTM A307 BOLTS UNLESS OTHERWISE SPECIFIED (NO SPECIAL INSPECTION REQUIRED).
 - F. ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RISC.
 - G. METAL PAN DECK SHALL BE 20ga ASTM A653 GRADE 50.

SPECIAL INSPECTIONS FOR THE CANOPY

SPECIAL INSPECTIONS FOR THE CANOPY SHALL BE PROVIDED BY THE OWNER PER CHAPTER 17 OF THE IBC.

THE FOLLOWING SYSTEMS ARE SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF THE IBC CHAPTER 17.

A. COLUMNS D. PURLIN BEAMS
 B. COLUMN BASE PLATE E. BEAMS
 C. FOOTINGS UNLESS EXEMPT

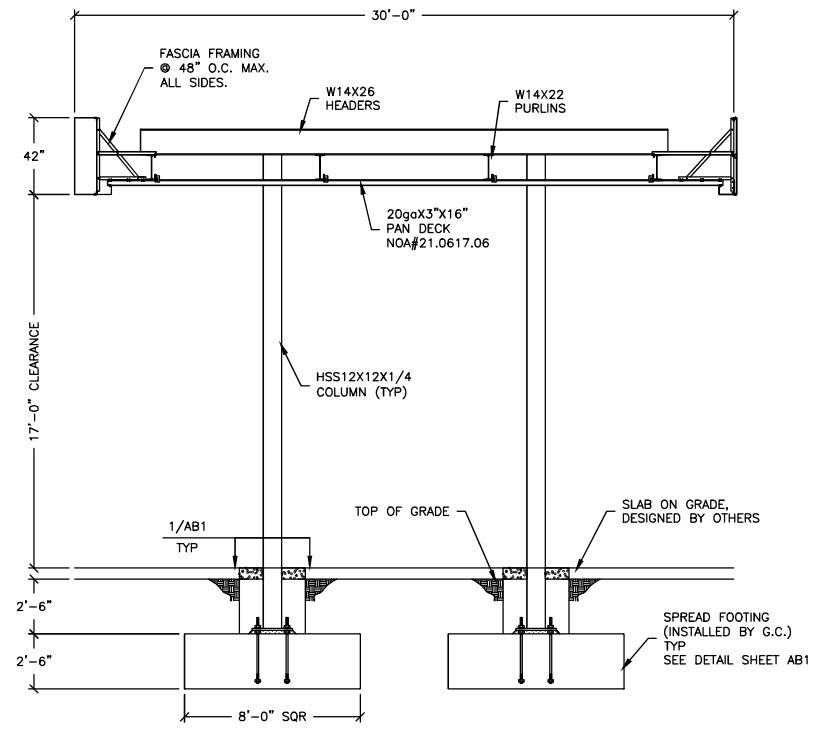
SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK.

- WELDING
 - PRIOR TO WELDING (TABLE N5.4-1, 360-16)
 - DURING WELDING (TABLE N5.4-2, 360-16)
 - AFTER WELDING (TABLE N5.4-3, 360-16)
 - NONDESTRUCTIVE TESTING (SECTION N5, 360-16)
 PER IBC 1705.2, SPECIAL INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED SHOP. JIMCO SALES AND MANUFACTURING IS AN AISC APPROVED FABRICATOR (218031061-10INIT).
- BOLTING - PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16); NOT REQUIRED IF ONLY SNUG TIGHT JOINTS ARE SPECIFIED.
- CONCRETE - PER IBC 1705.3; EXCEPTION 1 - SPECIAL INSPECTION IS NOT REQUIRED FOR ISOLATED SPREAD CONCRETE FOOTINGS FULLY SUPPORTED ON EARTH OR ROCK. *THIS EXCEPTION DOES NOT APPLY IN THE STATE OF NEVADA.*
- ANCHOR BOLTS - PERIODIC SPECIAL INSPECTION OF ANCHORS CAST IN CONCRETE REQUIRED PER IBC TABLE 1705.3, ITEM 3
- STRUCTURAL OBSERVATIONS: NONE REQUIRED

SEISMIC FORCE RESISTING SYSTEM (SFRS)

A. REFER TO AISC 341-16 SECTION A4 AND ASCE 7-16.
 B. DESIGNATION OF SFRS: G.2. STEEL ORDINARY CANTILEVER COLUMN SYSTEMS (ASCE 7-16 TABLE 12.2-1) SEE AISC 341-16 SECTIONS "E" 15TH EDITION.
 C. $R = 1.25$, $C_s = 0.07$
 D. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
 E. MEMBERS AND CONNECTIONS THAT ARE PART OF THE SFRS:
 1. COLUMNS 4. PURLIN BEAMS
 2. COLUMN BASE CONNECTION 5. BEAMS
 3. FOOTINGS

F. PROTECTED ZONES: N/A
 G. SEE DETAILS AND NOTE FOR CONNECTION CONFIGURATIONS, MATERIALS SPECIFICATIONS AND SIZES.
 H. WELD FILLER MATERIALS FOR WELDS PART OF THE SFRS:
 1. YIELD STRENGTH - 58 KSI MIN
 2. TENSILE STRENGTH - 70 KSI MIN
 3. ELONGATION - 22% MIN
 4. CVN TOUGHNESS - 20 FT-LB MIN @ 0° F
 SEE DETAILS AND NOTES FOR OTHER WELDING REQUIREMENTS
 J. DEMAND CRITICAL WELDS - N/A
 K. LOWEST ANTICIPATED SERVICE TEMPERATURE - 0° F



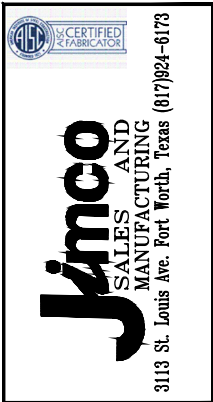
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EXAMINER: PX2554PX1183ULP203PX2109
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DRAWING DESCRIPTION
CANOPY STRUCTURAL NOTES AND PLANS

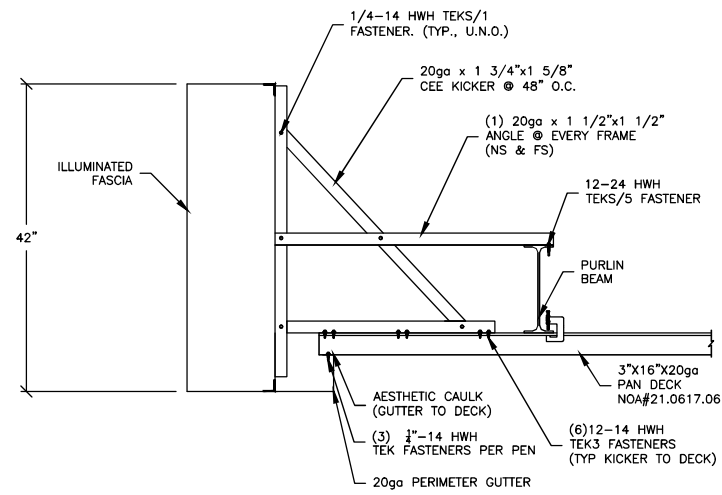
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CEFCO #426 - AUTO CANOPY
90 & W. SPENCER FIELD
PAGE, FL

ENGINEER SEAL

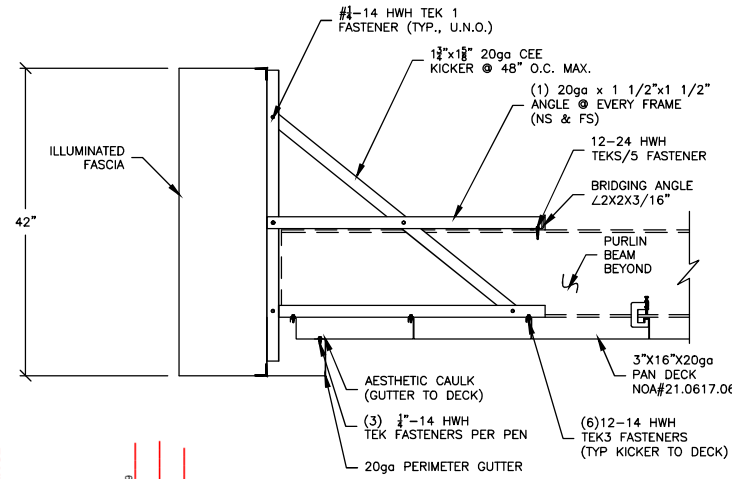
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	DATE:	BY:

M. KOVAL
 P. BRENNAN, PE
 10-12-2022
 DATE:

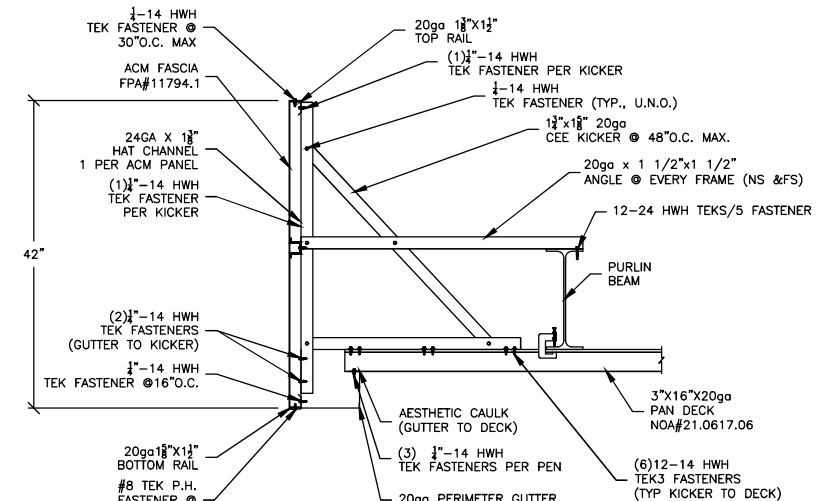
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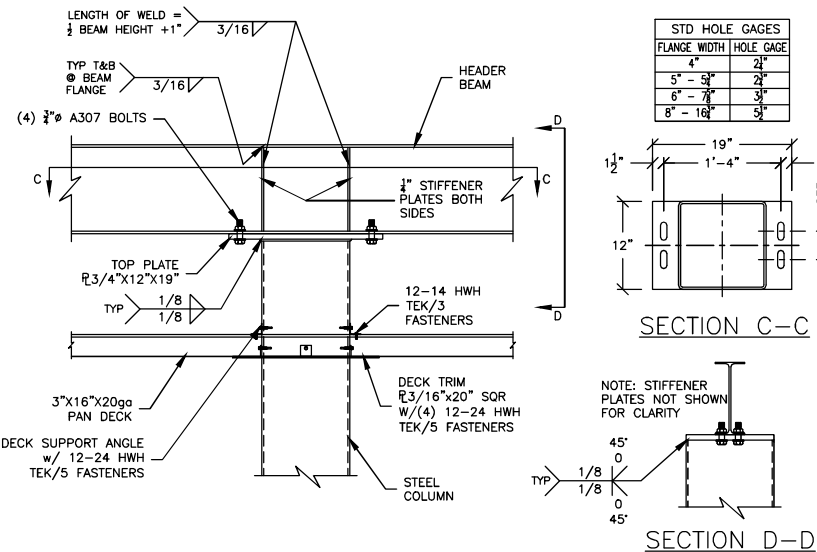
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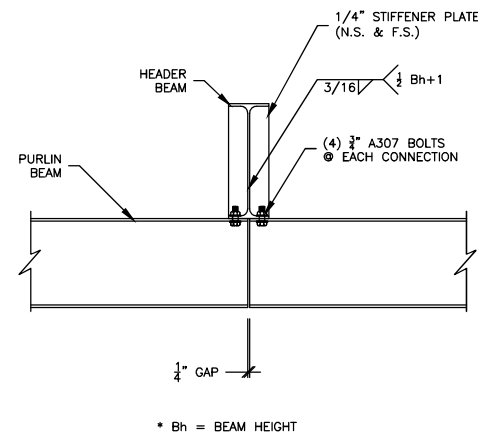
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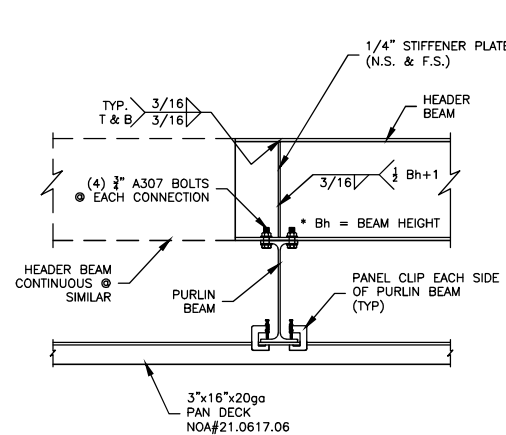
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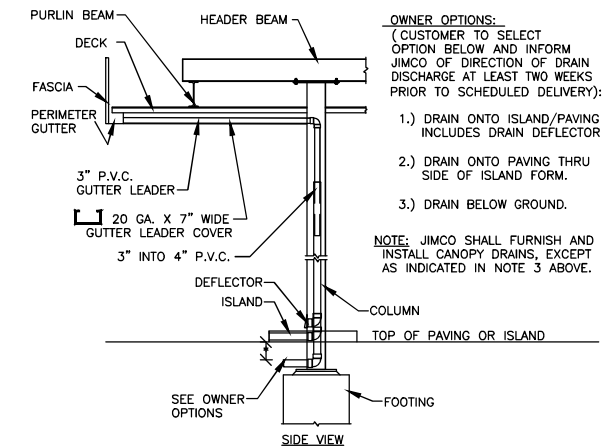
4 COLUMN/BEAM CONNECTION DETAIL
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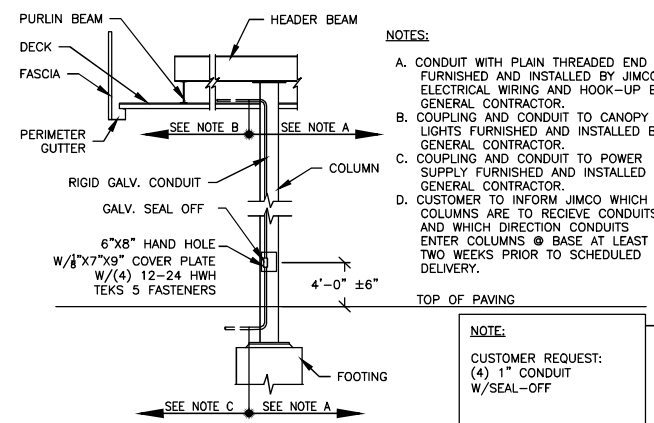
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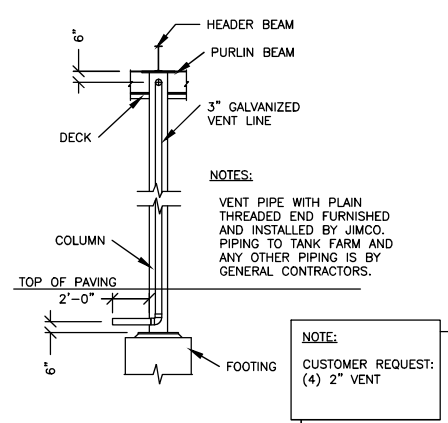
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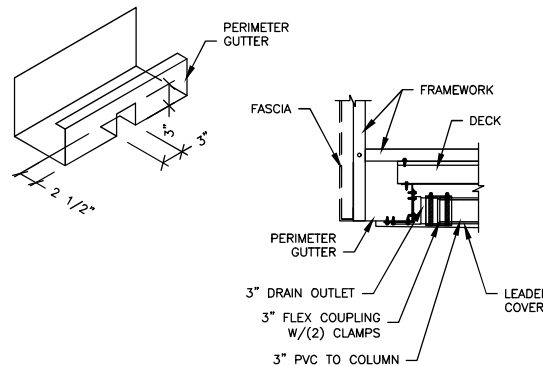
7 COLUMN DRAIN DETAIL
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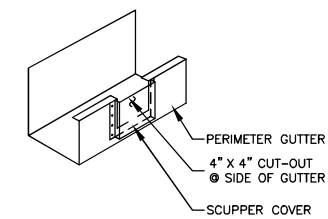
7A INTERNAL CONDUIT DETAIL
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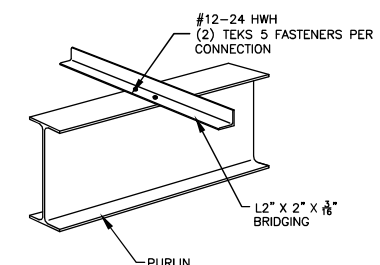
7B INTERNAL PIPE VENT DETAIL
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8 DRAIN CONNECTION DETAIL
SCALE: 1"=1'-0"



9 OVERFLOW SCUPPER DETAIL
SCALE: 1"=1'-0"



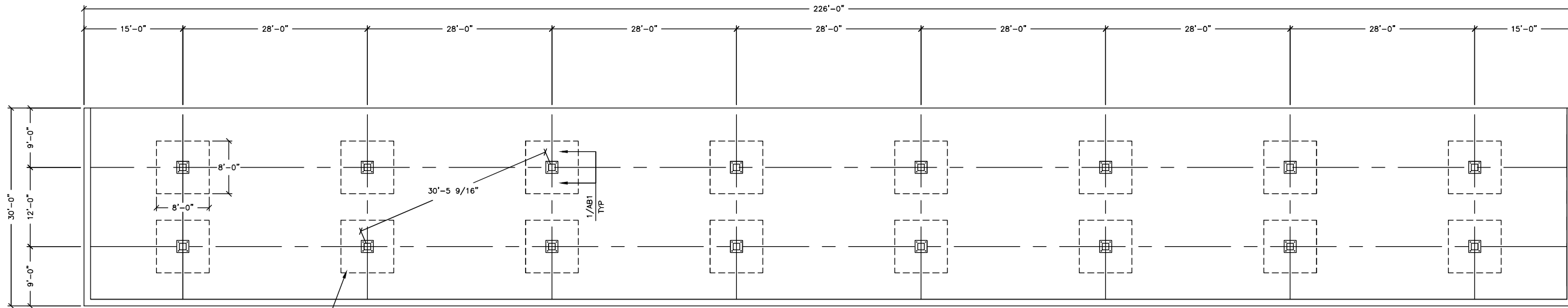
10 PURLIN BRIDGING DETAIL
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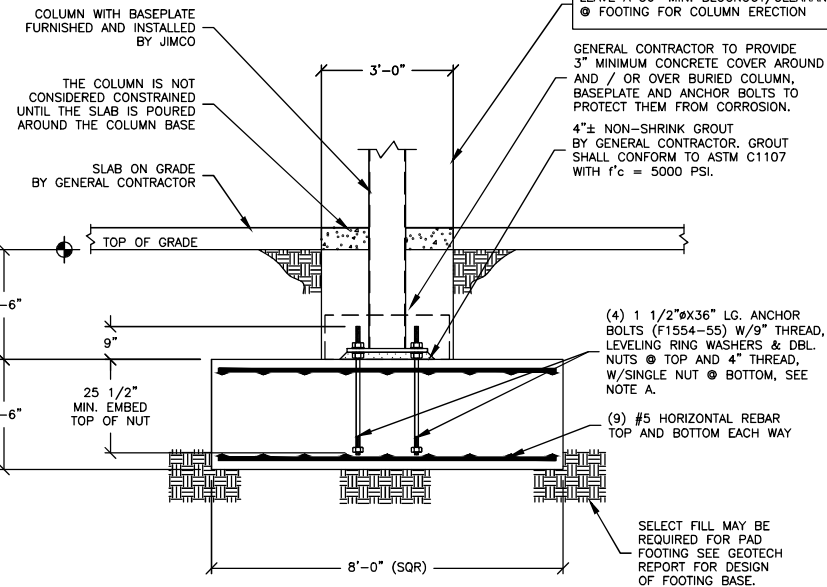
SPREAD FOOTING (TYP)
SEE DETAIL THIS SHEET

FOUNDATION PLAN

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

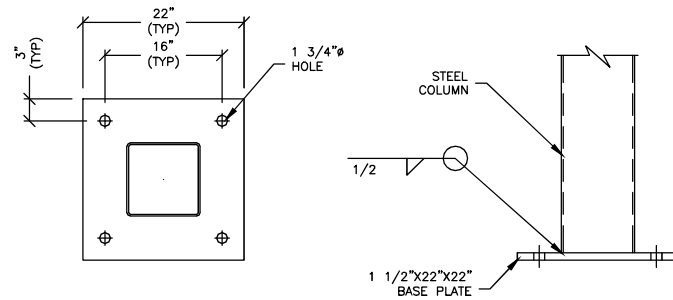
NOTE:
A) FOOTINGS INCLUDING CONCRETE, REBAR, FORMWORK AND ASSOCIATED EARTHWORK SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR EXCEPT ANCHOR BOLTS SHALL BE FURNISHED BY JIMCO AND INSTALLED BY GENERAL CONTRACTOR.
B) SEE FOUNDATION, CONCRETE NOTES ON DWG CS1.

FIELD NOTE:
LEAVE A 36" MIN. BLOCKOUT/CLEARANCE
FOR FOOTING FOR COLUMN ERECTION



SPREAD FOOTING DETAIL

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



1 BASE PLATE DETAIL

SCALE: 1"=1'-0"

REVIEWED FOR CODE COMPLIANCE



EXAMINER: PX2534/PX1183/LP203/PX2109

FBC CODE: 2020 FBC

DATE: 02/03/2023

Jimco
SALES AND
MANUFACTURING
3113 St. Louis Ave. Fort Worth, Texas (817)924-6173

DRAWING DESCRIPTION	CANOPY FOUNDATION SECTIONS AND DETAILS
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JOB LOCATION	CEFCO #426 - AUTO CANOPY 90 & W. SPENCER FIELD PAGE, FL
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ENGINEER SEAL	
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CUSTOMER	FIKES WHOLESALE, INC.	
	NO. DESCRIPTION:	REVISIONS
BY:	DATE:	

M. KOVAL DRAWN BY:	P. BRENNAN, PE CHECKED BY:	10-12-2022 DATE:
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JOB NO.	22-2960R0
DWG. NO.	AB1
OF 3 SHEETS	

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