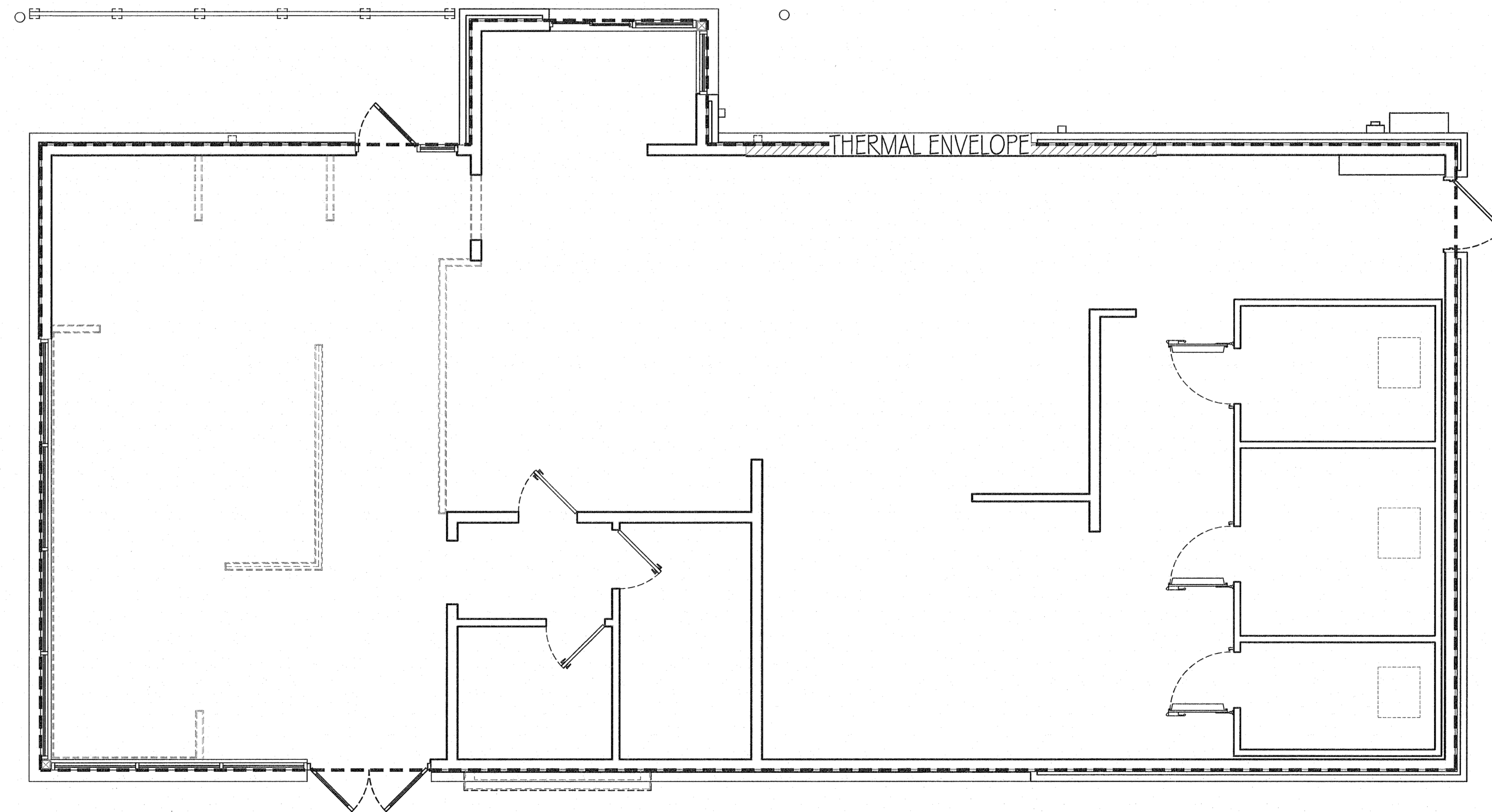
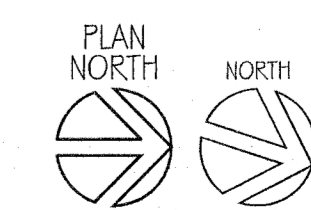


Energy Summary:	
R-Values: Roof Insulation: R-28ci Wall Insulation: R-20 + R-6.5ci Slab Insulation: NR	Skylight Area: NA
Assembly Factors: Roof: U-0.035 Wall: U-0.043 Slab: F-0.73	Skylight Required: NA
Roof SRI: 3rd Year SRI of greater or equal to 64	Air Leakage Requirements: Being meet through assemblies. -1/2" Exterior Grade Sheathing -5/8" Gyp. Bd./Cement Bd.
Window Percentage: North Wall: 11% East Wall: 27% South Wall: 6% West Wall: 2%	Skylight Location/Dimensions: NA
Min Fenestration U-Factor/SHGC: Windows (fixed): U-Factor: 0.5 SHGC: 0.25	Location of Thermal Envelope: See sheets 0.2.1 & 0.2.2
Windows (operable): U-Factor: 0.65 SHGC: 0.25	Pressure Test: NA
Doors: U-Factor: 0.83 SHGC: 0.25	
(See Sheet 4.0)	



1 ENERGY ENVELOPE PLAN
SCALE: 1/4" = 1'-0"

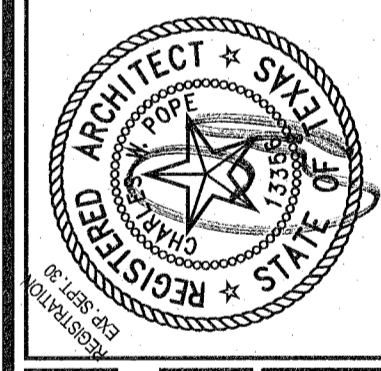


REVISIONS:

ARCH ENERGY SUMMARY SHEET

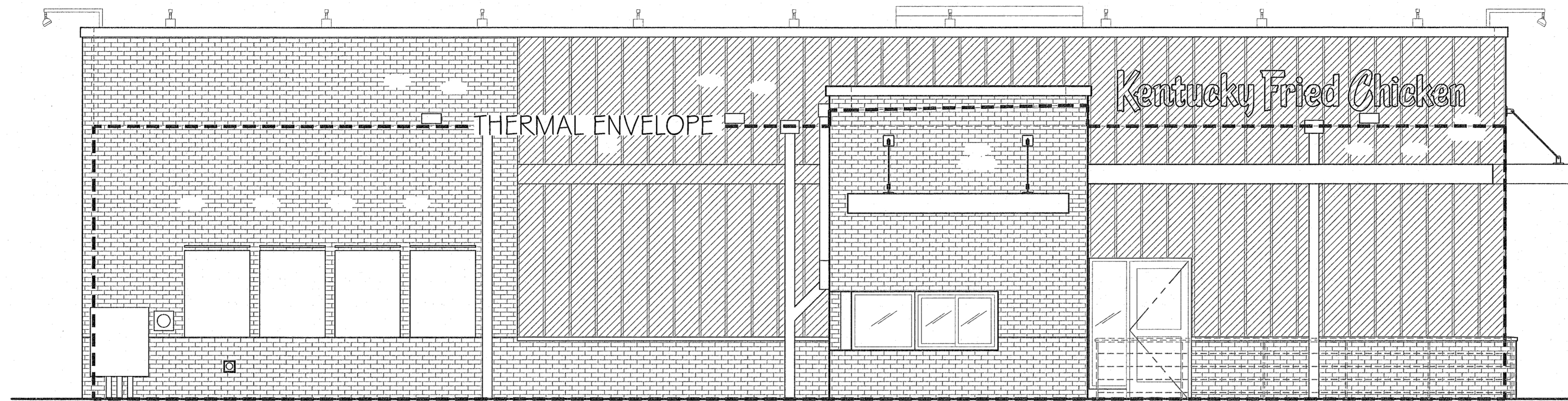
Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

MAY 18 2022

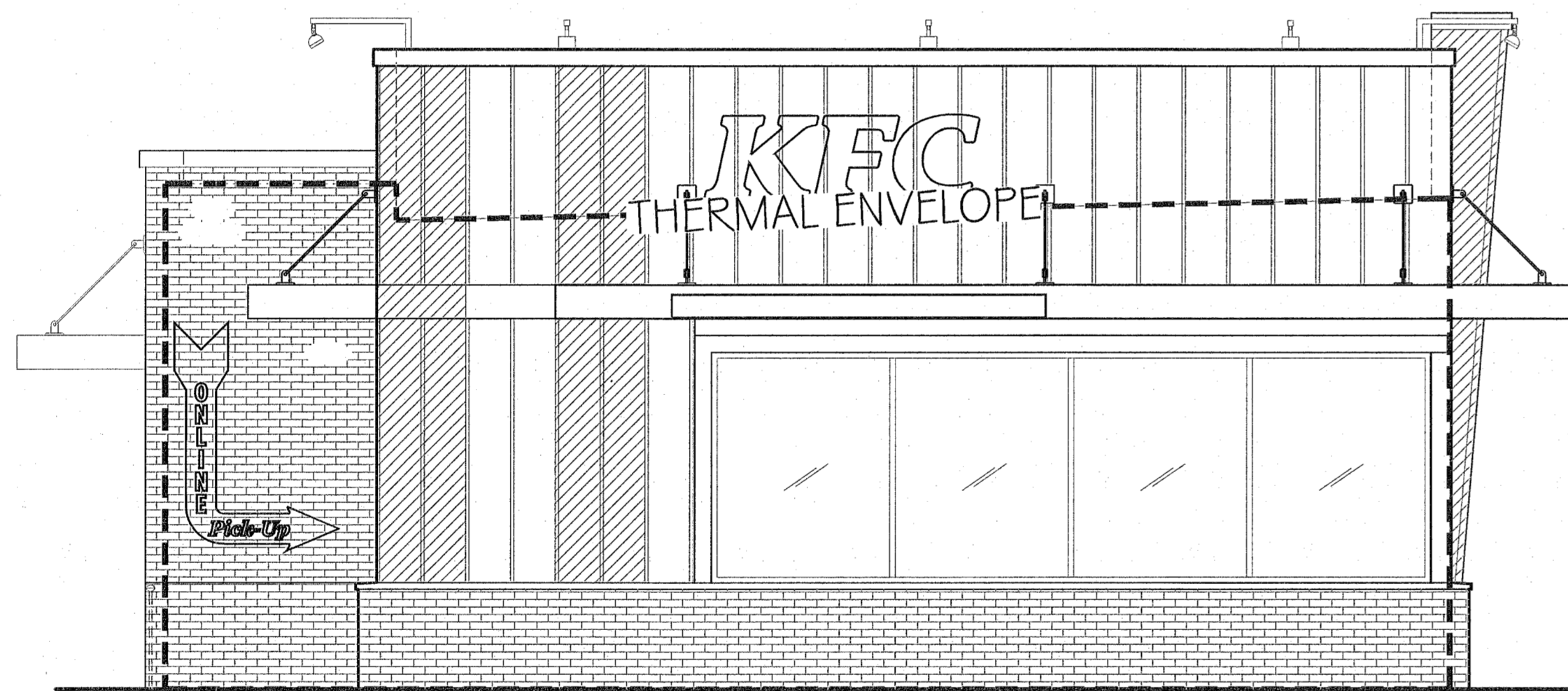


Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

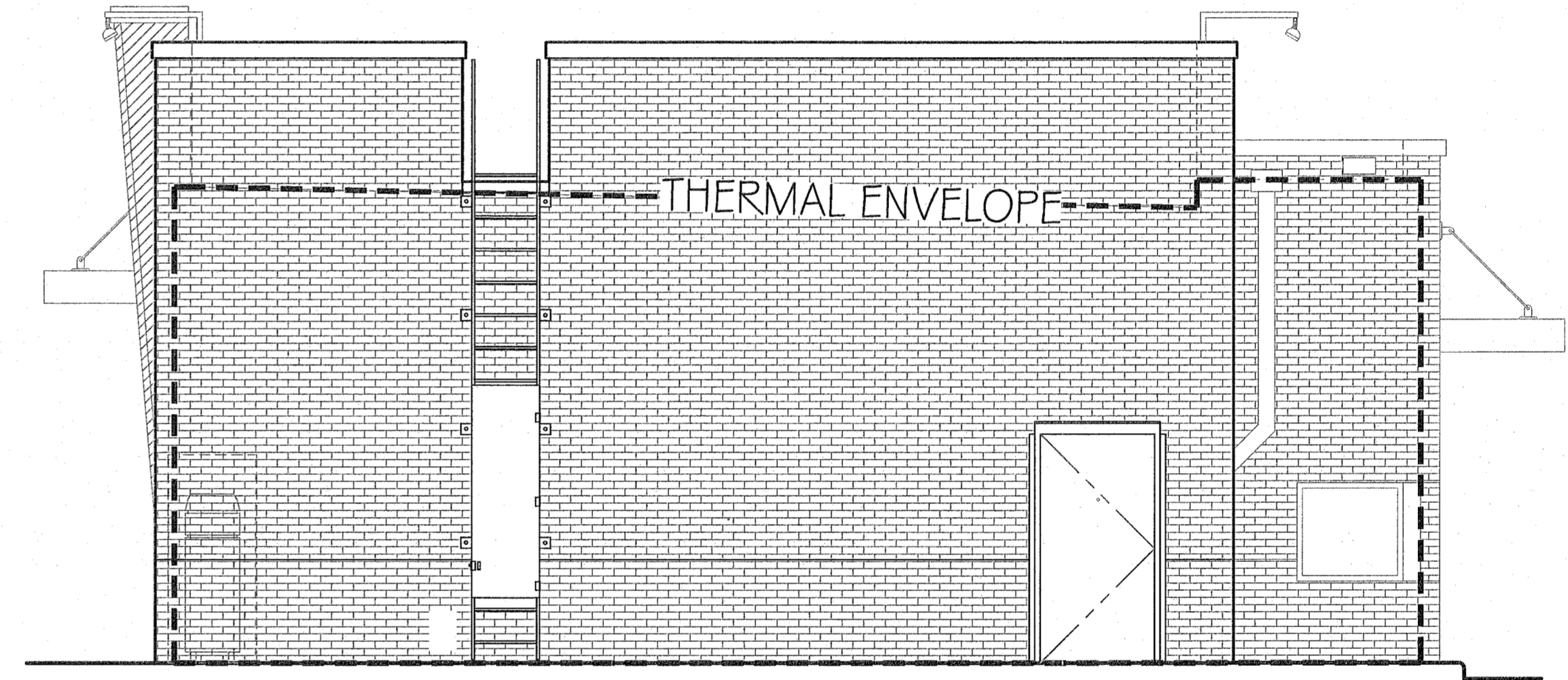
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JOB NO: 44343
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SHEET NUMBER:
0.2.1
OF



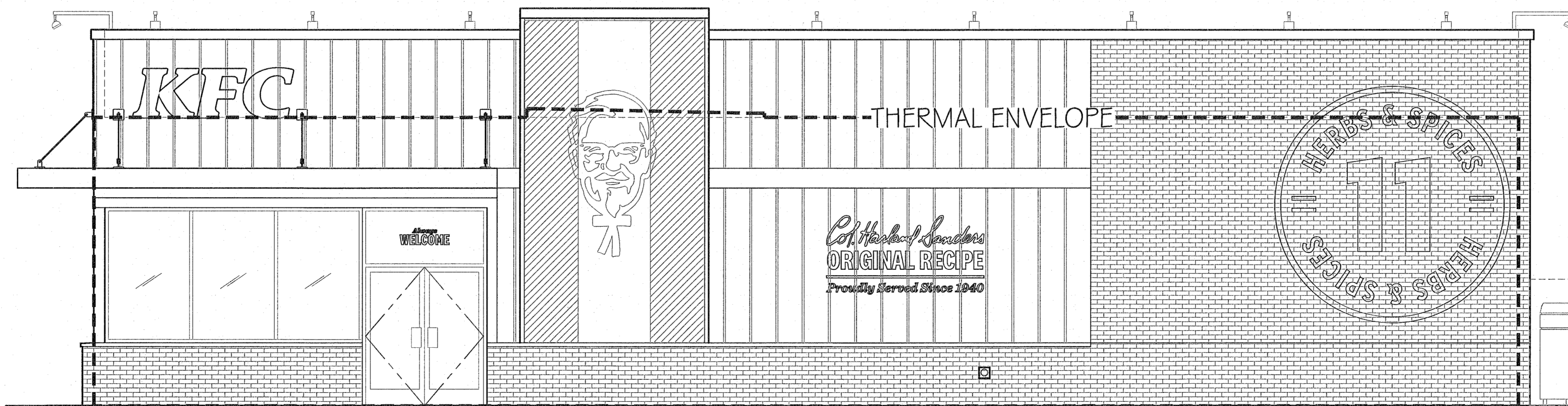
1 DRIVE-THRU ELEVATION
SCALE: 1/4" = 1'-0"



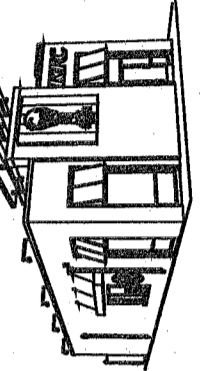
2 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



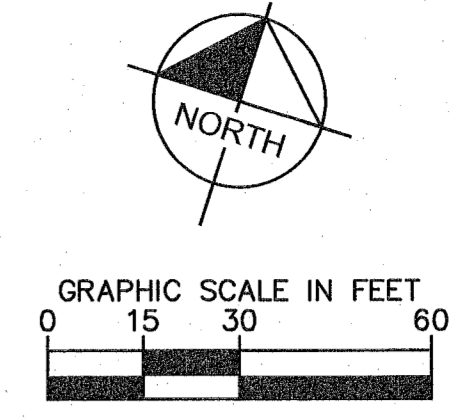
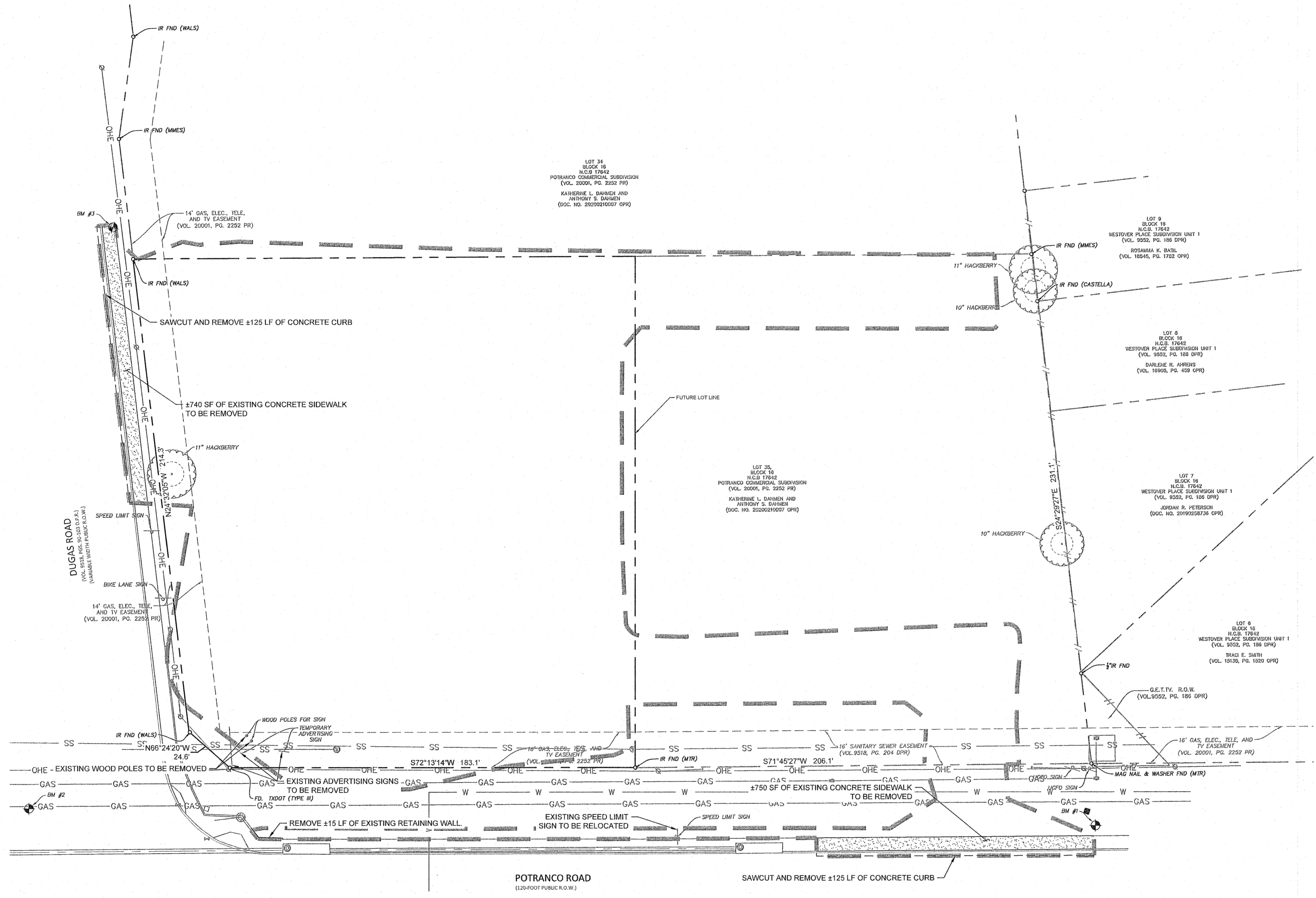
3 BACK ELEVATION
SCALE: 1/4" = 1'-0"



4 SIDE ENTRY ELEVATION
SCALE: 1/4" = 1'-0"



Picked: B. C. Chalko, Matthew Jones 15, 2022, 12:15:05pm - K:\SHA - Civil\0869010-KFC-Demolition\0869010-KFC-Demolition.dwg - User: B. C. Chalko, Date: 08/15/2022, Time: 12:15:05pm
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LEGEND	
	PROPERTY BOUNDARY
	LIMITS OF DISTURBANCE
	PROPOSED SAWCUT LIMITS
	OVERHEAD ELECTRIC TO REMAIN
	WATER LINE TO REMAIN
	GAS LINE TO REMAIN
	SANITARY SEWER LINE TO REMAIN
	CONCRETE SIDEWALK TO BE REMOVED (FULL DEPTH)
	BENCHMARK
	PROPERTY CORNER
	EXISTING SIGN
	EXISTING GAS METER
	EXISTING WATER METER
	EXISTING BACKFLOW PREVENTER
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER CLEANOUT
	EXISTING POWER POLE

- NOTES**
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF SAN ANTONIO AND FRANCHISED UTILITY COMPANIES TO MAINTAIN SERVICES AT ALL TIMES TO NEIGHBORING PROPERTIES. THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS INDICATING HOW THE WASTE FROM THE SITE HAS BEEN HANDLED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS IN THE GEOTECHNICAL REPORT. THE SITE, AFTER DEMOLITION SHALL BE GRADED TO ELIMINATE DEPRESSIONS, HOLES, BERMS, DIRT PILES, ETC. THE SITE IS TO BE GRADED UNTIL RELATIVELY SMOOTH AND ATTRACTIVE IN APPEARANCE PRIOR TO STABILIZATION OF EARTH. ANY FILL MATERIAL/FILL AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY AT A MOISTURE AT, OR ABOVE, OPTIMUM MOISTURE CONTENT IN MAXIMUM 8" LIFTS. CONTRACTOR SHALL PROVIDE PROOF IN THE FORM OF LAB TEST KITS THAT THIS HAS BEEN ACHIEVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAR, GRUB, AND STRIP ALL EXISTING IMPROVEMENTS, TREES, VEGETATION, AND TOP SOIL WITHIN THE LIMITS OF DISTURBANCE UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT.
 - LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL CALL 811 AT LEAST 48 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE TESS PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR ANY DAMAGE DONE TO THESE FACILITIES.
 - ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE THEY COMMENCE ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGE DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
 - THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS.
 - ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
 - CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DEVICES FOR ANY STREET WORK.
 - THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE DEVELOPER IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
 - CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., ACCORDING TO STANDARD BEST PRACTICES.
 - PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES AROUND THE SITE PERIMETER ARE TO BE INSTALLED.
 - DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH ALL REGULATIONS GOVERNING THE DEMOLITION, REMOVAL, TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION DEBRIS.
 - CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SHORING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.
 - ANY RECYCLED MATERIAL TO BE STOCKPILED ON THE SITE SHALL BE STORED IN AS SMALL AN AREA AS PRACTICABLE AND THE LOCATION OF ANY STOCKPILE SHALL BE WELL CLEAR OF THE BUILDING PAD AREA AND THE LOCATION MUST BE PRE-APPROVED BY THE OWNER PRIOR TO STOCKPILING.
 - FILL MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECH REPORT.

- ADVISORY NOTES**
- KIMLEY-HORN AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACTS THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE. KIMLEY-HORN AND ASSOCIATES, INC. DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES, THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN ACCURATELY, OR THAT THE UTILITIES SHOWN CAN BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING HIS OWN SITE RECONNAISSANCE TO SCOPE HIS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES. THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR. NOTHING MORE. THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED DEVELOPMENT. REMOVAL OR PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW ANY AVAILABLE REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN.
 - CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICABLE REGULATIONS, RECEIVE THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY.
 - KIMLEY-HORN AND ASSOCIATES, INC. DOES NOT WARRANT OR REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE.

BENCHMARK LIST	
BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.60 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 896.34 FEET. (AS SHOWN)

CAUTION!
 EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

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

REVISIONS:

DEMOLITION PLAN

Dugas

9339 Potranco Rd., San Antonio, Tx, 78251

Kimley-Horn

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 10101 REDBANK KIMLEY-HORN AND ASSOCIATES, INC. SAN ANTONIO, TEXAS 78251
 PHONE: 210-541-1188 FAX: 210-541-1880
 WWW.KIMLEY-HORN.COM TBE FIRM NO. 628

JASON R. LINK
 106138
 LICENSED PROFESSIONAL ENGINEER
 6/15/2022

JUN 15 2022

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

DATE: 8/15/2022

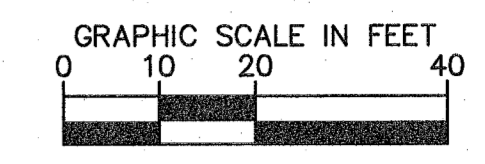
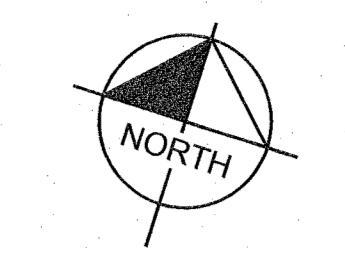
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DRAWN BY: M/JG

SHEET NUMBER:

1.1

OF



LEGEND	
---	PROPERTY BOUNDARY
- - - -	PROPOSED SAWCUT LINE
---	PROPOSED CURB TRANSITION
---	PROPOSED FLUSH CURB
FL	PROPOSED FIRE LANE
⊕	PROPOSED PARKING COUNT
⊕	PROPOSED ACCESSIBLE PARKING SPACE
⊕	PROPOSED BARRIER FREE RAMP
⊕	PROPOSED SIDEWALK CHASE
+	PROPOSED SIGN
○	PROPOSED SANITARY SEWER CLEAN OUT
⊕	PROPOSED WATER METER
⊕	PROPOSED BACKFLOW PREVENTER
⊕	PROPOSED FIRE HYDRANT
⊕	PROPOSED STORM STRUCTURE (REF SHEET 2.3.4) (GI, AI, CI, DI, JB)
⊕	EXISTING FIRE HYDRANT
⊕	EXISTING SANITARY SEWER MANHOLE
⊕	EXISTING POWER POLE

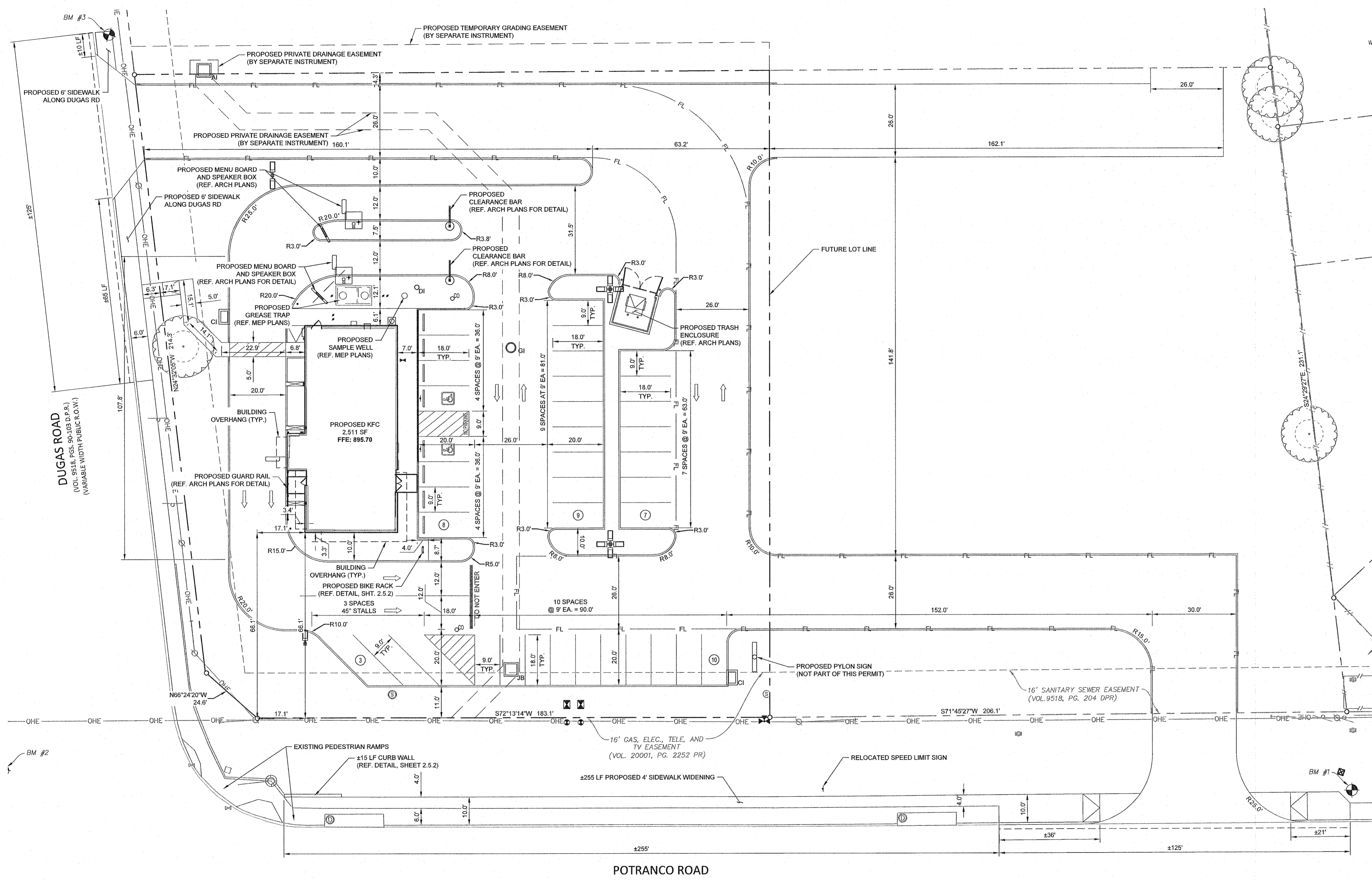
- NOTES**
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - REFER TO ARCHITECTURAL CONSTRUCTION DRAWINGS FOR EXACT BUILDING DIMENSIONS. REFER TO LANDSCAPE ARCHITECT'S PLANS FOR DIMENSIONS AND DETAIL OF HARDSCAPE.
 - ALL CURB RADII ARE 5 FEET UNLESS DIMENSIONED OTHERWISE.
 - BUILDING, MECHANICAL EQUIPMENT AND SIGNS ARE SHOWN HEREON FOR REFERENCE ONLY. REFER TO CONSTRUCTION PLANS OF THOSE ITEMS FOR LOCATIONS AND DIMENSIONS.
 - ALL CONSTRUCTION SPECIFICATIONS WITHIN CITY RIGHT-OF-WAY AND EASEMENTS SHALL COMPLY WITH CITY OF SAN ANTONIO STANDARDS. PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIAL IS REQUIRED.

SITE DATA TABLE	
LEGAL DESCRIPTION	LOT 35, BLOCK 16 POTRANCO COMMERCIAL SUBDIVISION VOL. 20051, PAGE 2252
ZONING	C-3 COMMERCIAL
SITE DATA	2.138 AC. (93,144 SF)
ADDRESS	9639 POTRANCO R. SAN ANTONIO, TX 78251
BUILDING DATA	
AREA	2,511 S.F.
HEIGHT	24'-0"
PARKING DATA	
REQUIRED PARKING SPACES (RESTAURANT W/ DRIVE THRU)	1 SPACE PER 150 SF OF BUILDING AREA 2,511 SF = 17 SPACES
STANDARD SPACES PROVIDED	35 SPACES
REQUIRED ACCESSIBLE SPACES	1 SPACES
ACCESSIBLE SPACES PROVIDED	2 SPACES
TOTAL SPACES PROVIDED	37 SPACES
REQUIRED BIKE PARKING	10% OF REQUIRED PARKING SPACES: 2 SPACES
PROVIDED BIKE PARKING	2 SPACES

TAS / COSA EXISTING SIDEWALK NOTE
ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH CURRENT TEXAS ACCESSIBILITY STANDARDS AND CITY OF SAN ANTONIO DESIGN STANDARDS PRIOR TO THE FINAL INSPECTION AND APPROVAL.

BENCHMARK LIST	
BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.60 FEET. (AS SHOWN)
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POTRANCO ROAD
(120-FOOT PUBLIC R.O.W.)

REVISIONS:

Kimley»Horn
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10101 REUNION PLACE, SUITE 400, SAN ANTONIO, TX 78216
PHONE: 210-541-9166 FAX: 210-541-8669
WWW.KIMLEY-HORN.COM TEP# FROM NO. 928

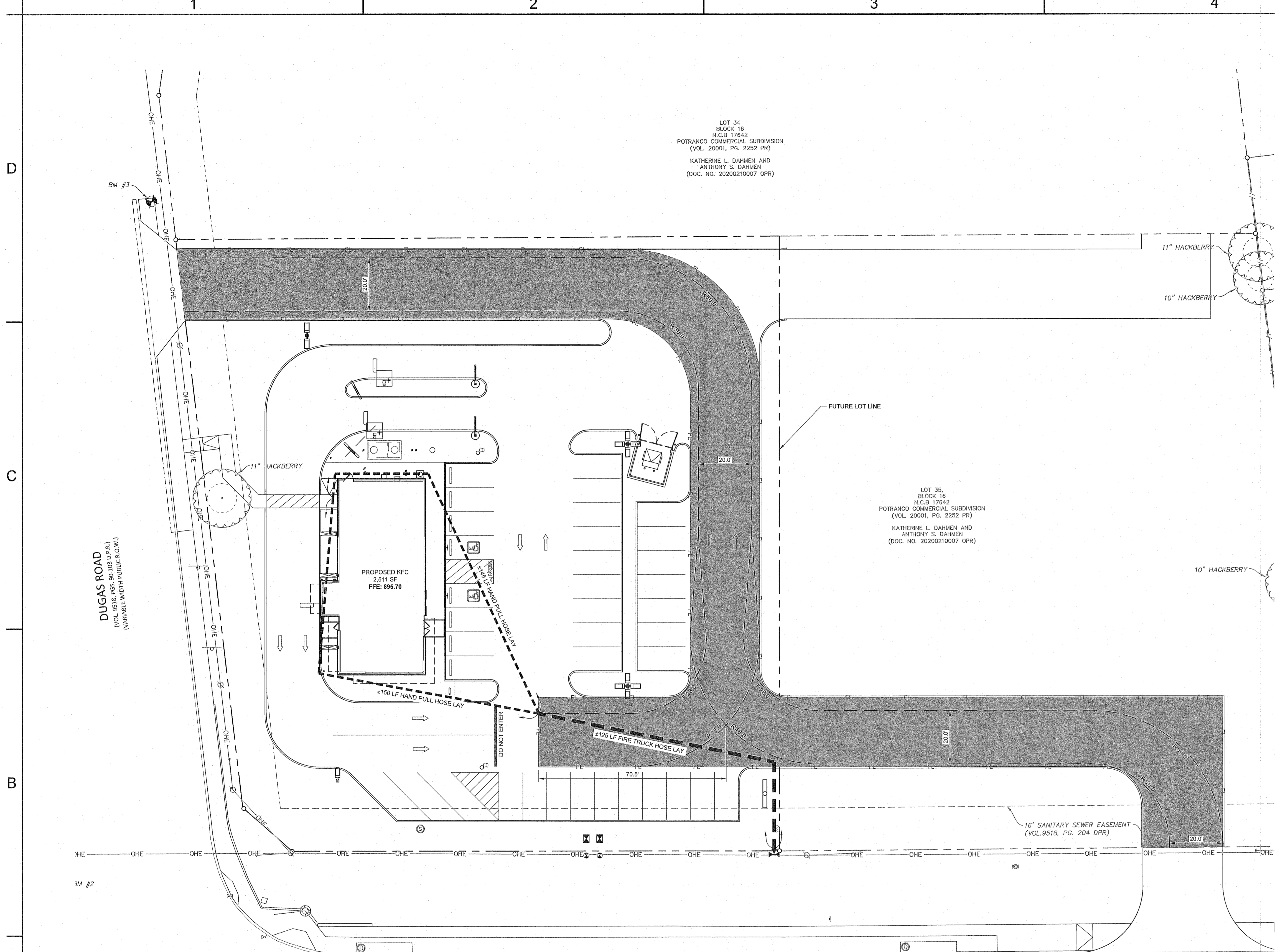
William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
JOB NO: 068695010
DRAWN BY: MJG
SHEET NUMBER: 2.1.1

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

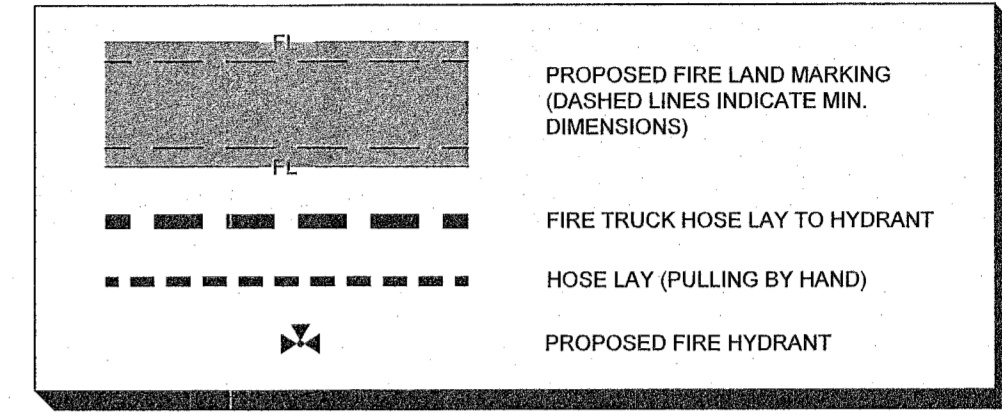
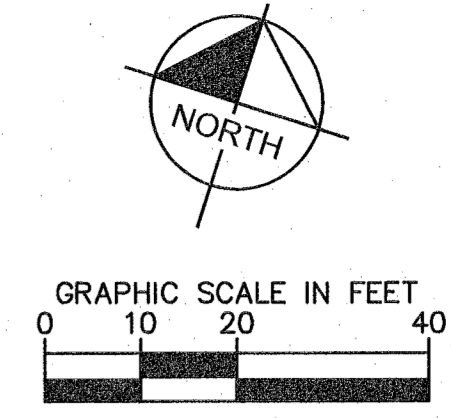
Picked By: Gatto, Matthew June 15, 2022 12:16:26pm K:\SHA_CVA\068695010-KFC_Dugan\CAD\PlanSheets\C-DMAC-068695010.dwg
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Project: Bldg/Chc, Matthew, June 15, 2022, 12:28:35PM, K:\SMA_Civil\0686895010-KFC-Dugas\CD\PlanSheet\A-C-Fire-0686895010.dwg
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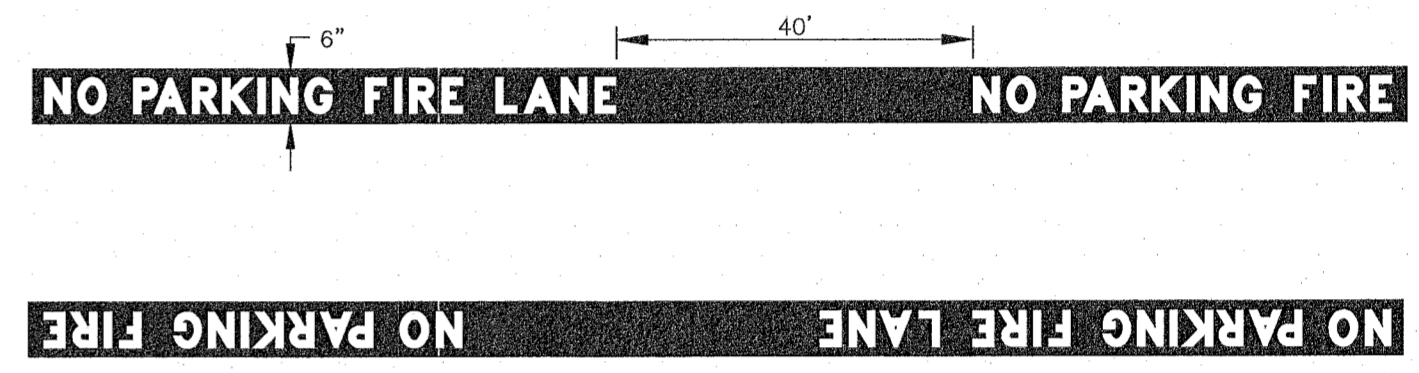


LOT 34
 BLOCK 16
 N.C.B. 17642
 POTRANCO COMMERCIAL SUBDIVISION
 (VOL. 20001, PG. 2252 PR)
 KATHERINE L. DAHMEN AND
 ANTHONY S. DAHMEN
 (DOC. NO. 20200210007 OPR)

LOT 35,
 BLOCK 16
 N.C.B. 17642
 POTRANCO COMMERCIAL SUBDIVISION
 (VOL. 20001, PG. 2252 PR)
 KATHERINE L. DAHMEN AND
 ANTHONY S. DAHMEN
 (DOC. NO. 20200210007 OPR)



NOTES:
 1. THIS PLAN COMPLIES WITH THE 2018 INTERNATIONAL FIRE CODE (IFC) AND THE CITY OF SAN ANTONIO MUNICIPAL CODE OF ORDINANCES.



NOTES:
 1. FIRE LANE STRIPING SHALL BE 6" RED STRIPES WITH 4" INCH WHITE LETTERS READING "NO PARKING FIRE LANE". STRIPING SHALL BE PLACED FROM THE TOP OF THE SEAM OR THE CURB TO A POINT EVEN WITH THE DRIVING SURFACE OR AS SPECIFIED BY LOCAL REQUIREMENTS.

FIRE LANE DETAIL
N.T.S



SIGN DETAILS:
 1. SIGNS SHALL BE STANDARD SIZE 18"X24" AND HAVE RED LETTERS AND BORDER ON A WHITE BACKGROUND.
 2. SIGNS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE SIGN AT LEAST 35" (7) FEET ABOVE GRADE AND AT LEAST TWO (2) FEET FROM CURB EDGE.
 3. SIGNS SHALL BE PLACED AS FOLLOWS:
 a. LESS THAN FORTY (40) FEET: ONE (1) SIGN WITH A DOUBLE ARROW.
 b. FROM FORTY (40) TO NINETY (90) FEET: TWO (2) SIGNS WITH RIGHT AND LEFT ARROWS.
 c. FROM ONE HUNDRED (100) FEET OR MORE: THREE (3) SIGNS WITH RIGHT/LEFT AND DOUBLE ARROWS IN THE MIDDLE.

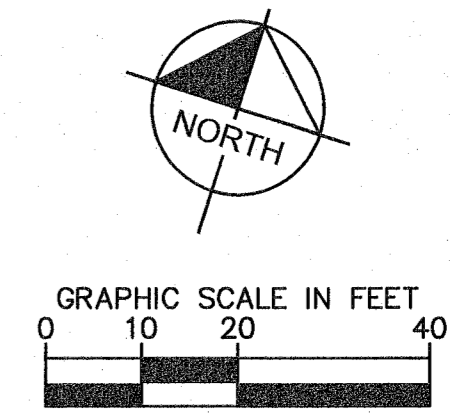
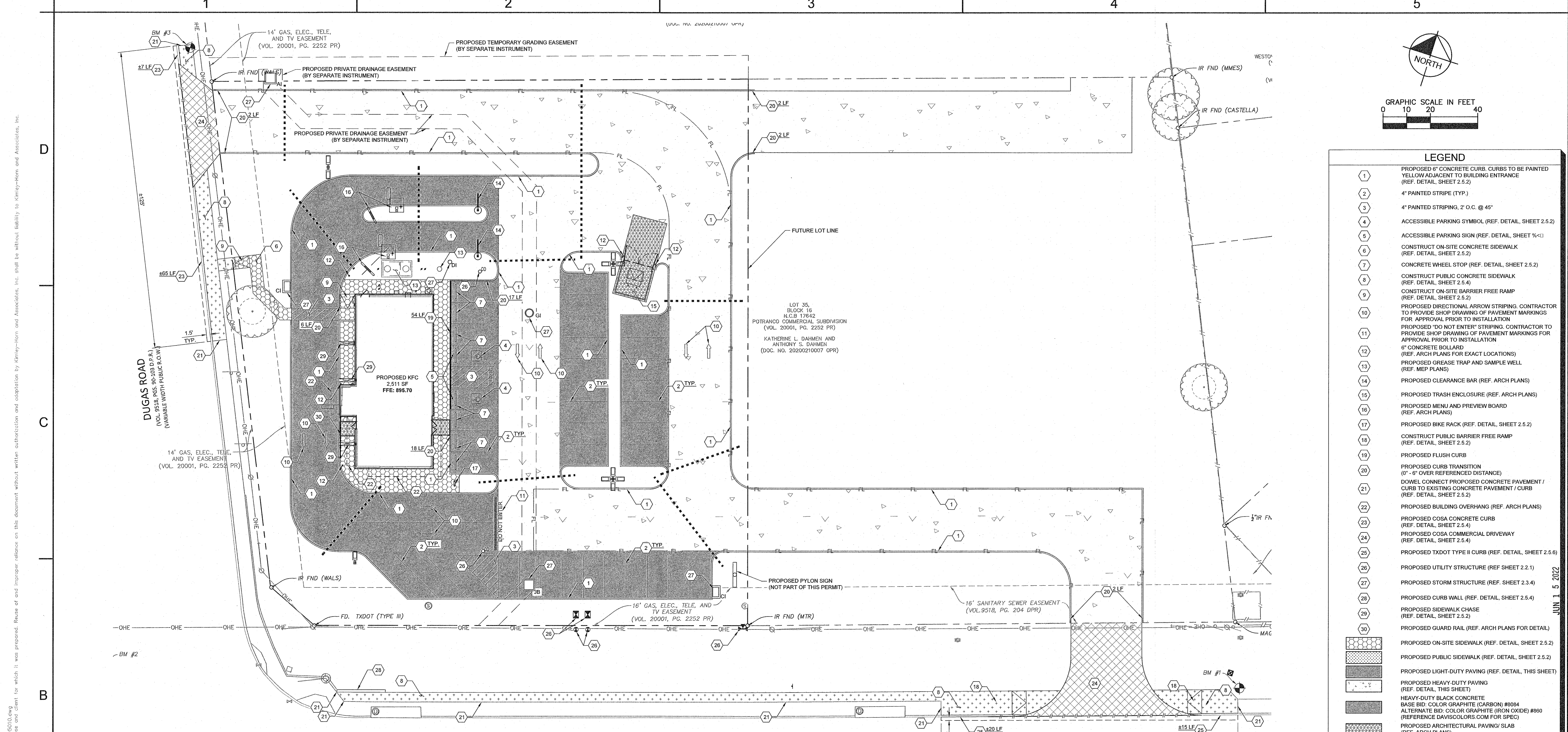
FIRE LANE SIGNAGE
N.T.S.

BENCHMARK LIST	
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REVISIONS:
 FIRE PROTECTION SITE PLAN
 KFC Dugas
 9839 Potranco Rd., San Antonio, Tx, 78251
 Kimley-Horn & Associates, Inc.
 10101 REDBURN, SAN ANTONIO, TX 78216
 PHONE: 210-541-2188 FAX: 210-541-9899
 WWW.KIMLEY-HORN.COM TBEFIRM NO. 528
 JUN 15 2022
 LICENSED PROFESSIONAL ENGINEER
 JASON R. LINK
 106138
 6/15/2022
 Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216
 DATE: 6/15/2022
 JOB NO: 0686895010
 DRAWN BY: M/JG
 SHEET NUMBER:
 2.1.2
 OF



LEGEND

1	PROPOSED 6" CONCRETE CURB. CURBS TO BE PAINTED YELLOW ADJACENT TO BUILDING ENTRANCE (REF. DETAIL SHEET 2.5.2)
2	4" PAINTED STRIPE (TYP.)
3	4" PAINTED STRIPING, 2' O.C. @ 45°
4	ACCESSIBLE PARKING SYMBOL (REF. DETAIL SHEET 2.5.2)
5	ACCESSIBLE PARKING SIGN (REF. DETAIL SHEET 2.5.2)
6	CONSTRUCT ON-SITE CONCRETE SIDEWALK (REF. DETAIL SHEET 2.5.2)
7	CONCRETE WHEEL STOP (REF. DETAIL SHEET 2.5.2)
8	CONSTRUCT PUBLIC CONCRETE SIDEWALK (REF. DETAIL SHEET 2.5.4)
9	CONSTRUCT ON-SITE BARRIER FREE RAMP (REF. DETAIL SHEET 2.5.2)
10	PROPOSED DIRECTIONAL ARROW STRIPING. CONTRACTOR TO PROVIDE SHOP DRAWING OF PAVEMENT MARKINGS FOR APPROVAL PRIOR TO INSTALLATION
11	PROPOSED "DO NOT ENTER" STRIPING. CONTRACTOR TO PROVIDE SHOP DRAWING OF PAVEMENT MARKINGS FOR APPROVAL PRIOR TO INSTALLATION
12	6" CONCRETE BOLLARD (REF. ARCH PLANS FOR EXACT LOCATIONS)
13	PROPOSED GREASE TRAP AND SAMPLE WELL (REF. MEP PLANS)
14	PROPOSED CLEARANCE BAR (REF. ARCH PLANS)
15	PROPOSED TRASH ENCLOSURE (REF. ARCH PLANS)
16	PROPOSED MENU AND PREVIEW BOARD (REF. ARCH PLANS)
17	PROPOSED BIKE RACK (REF. DETAIL SHEET 2.5.2)
18	CONSTRUCT PUBLIC BARRIER FREE RAMP (REF. DETAIL SHEET 2.5.2)
19	PROPOSED FLUSH CURB
20	PROPOSED CURB TRANSITION (0" - 6" OVER REFERENCED DISTANCE)
21	DOWEL CONNECT PROPOSED CONCRETE PAVEMENT / CURB TO EXISTING CONCRETE PAVEMENT / CURB (REF. DETAIL SHEET 2.5.2)
22	PROPOSED BUILDING OVERHANG (REF. ARCH PLANS)
23	PROPOSED COSA CONCRETE CURB (REF. DETAIL SHEET 2.5.4)
24	PROPOSED COSA COMMERCIAL DRIVEWAY (REF. DETAIL SHEET 2.5.4)
25	PROPOSED TXDOT TYPE II CURB (REF. DETAIL SHEET 2.5.6)
26	PROPOSED UTILITY STRUCTURE (REF. SHEET 2.2.1)
27	PROPOSED STORM STRUCTURE (REF. SHEET 2.3.4)
28	PROPOSED CURB WALL (REF. DETAIL SHEET 2.5.4)
29	PROPOSED SIDEWALK CHASE (REF. DETAIL SHEET 2.5.2)
30	PROPOSED GUARD RAIL (REF. ARCH PLANS FOR DETAIL)
[Symbol]	PROPOSED ON-SITE SIDEWALK (REF. DETAIL SHEET 2.5.2)
[Symbol]	PROPOSED PUBLIC SIDEWALK (REF. DETAIL SHEET 2.5.2)
[Symbol]	PROPOSED LIGHT-DUTY PAVING (REF. DETAIL, THIS SHEET)
[Symbol]	PROPOSED HEAVY-DUTY PAVING (REF. DETAIL, THIS SHEET)
[Symbol]	HEAVY-DUTY BLACK CONCRETE BASE BID. COLOR GRAPHITE (CARBON) #8004 ALTERNATE BID. COLOR GRAPHITE (IRON OXIDE) #660 (REFERENCE DAVISCOLORS.COM FOR SPEC)
[Symbol]	PROPOSED ARCHITECTURAL PAVING/SLAB (REF. ARCH PLANS)
[Symbol]	PROPOSED COSA COMMERCIAL DRIVEWAY (REF. DETAIL SHEET 2.5.4)
[Symbol]	PROPOSED PVC CONDUIT LOCATION (REFERENCE NOTE #3, THIS SHEET)
[Symbol]	ASPHALT/CONCRETE PAVEMENT TRANSITION (REF. DETAIL SHEET 2.5.2)
[Symbol]	PROPERTY BOUNDARY
[Symbol]	PROPOSED SAWCUT LINE
[Symbol]	PROPOSED CURB TRANSITION (0" - 6" OVER REFERENCED DISTANCE)
[Symbol]	PROPOSED FLUSH CURB
[Symbol]	PROPOSED FIRE LANE
[Symbol]	PROPOSED ACCESSIBLE PARKING SPACE (REF. DETAIL SHEET 2.5.2)
[Symbol]	PROPOSED BARRIER FREE RAMP (REF. DETAIL SHEET 2.5.2)
[Symbol]	PROPOSED SIGN
[Symbol]	PROPOSED LIGHT POLE
[Symbol]	PROPOSED BACKFLOW PREVENTER
[Symbol]	PROPOSED SANITARY SEWER CLEAN OUT
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	EXISTING SANITARY SEWER MANHOLE
[Symbol]	EXISTING WATER METER
[Symbol]	EXISTING BACKFLOW PREVENTER
[Symbol]	EXISTING UTILITY POLE

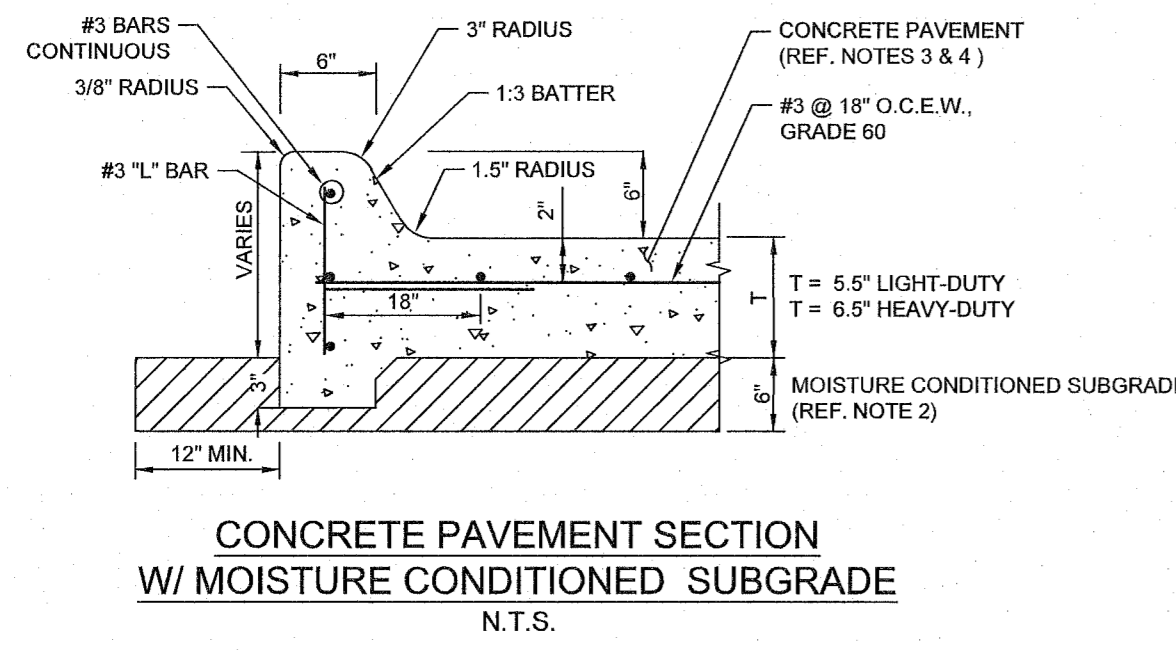
- ### NOTES
- REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL PAVING AND SOIL PREPARATION NOTES.
 - REFERENCE SITE PLAN (DIMENSION CONTROL PLAN) ON SHEET 2.1.1 FOR CURB RADIUS AND LAYOUT INFORMATION.
 - REFERENCE IRRIGATION AND MEP PLANS FOR CONDUIT SIZES AND LOCATIONS UNLESS OTHERWISE NOTED ON THIS SHEET.
 - EXPANSION JOINTS SHALL BE USED WHEREVER THE PAVEMENT WILL ADJUT A STRUCTURAL ELEMENT SUBJECT TO DIFFERENT MAGNITUDE OF MOVEMENT, E.G., LIGHT POLES, RETAINING WALLS, EXISTING PAVEMENT, STAIRWAYS, ENTRYWAY PIERS, BUILDING WALLS, OR MANHOLES.
 - EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
 - PAVEMENT WITHIN THE DRIVE-THRU AND TRASH PICK UP AREA MUST BE CONSTRUCTED WITH HEAVY-DUTY CONCRETE PAVEMENT.
 - WHEEL STOPS TO BE YELLOW OR PAINTED YELLOW.

TAS / COSA EXISTING SIDEWALK NOTE
 ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH CURRENT TEXAS ACCESSIBILITY STANDARDS AND CITY OF SAN ANTONIO DESIGN STANDARDS PRIOR TO THE FINAL INSPECTION AND APPROVAL.

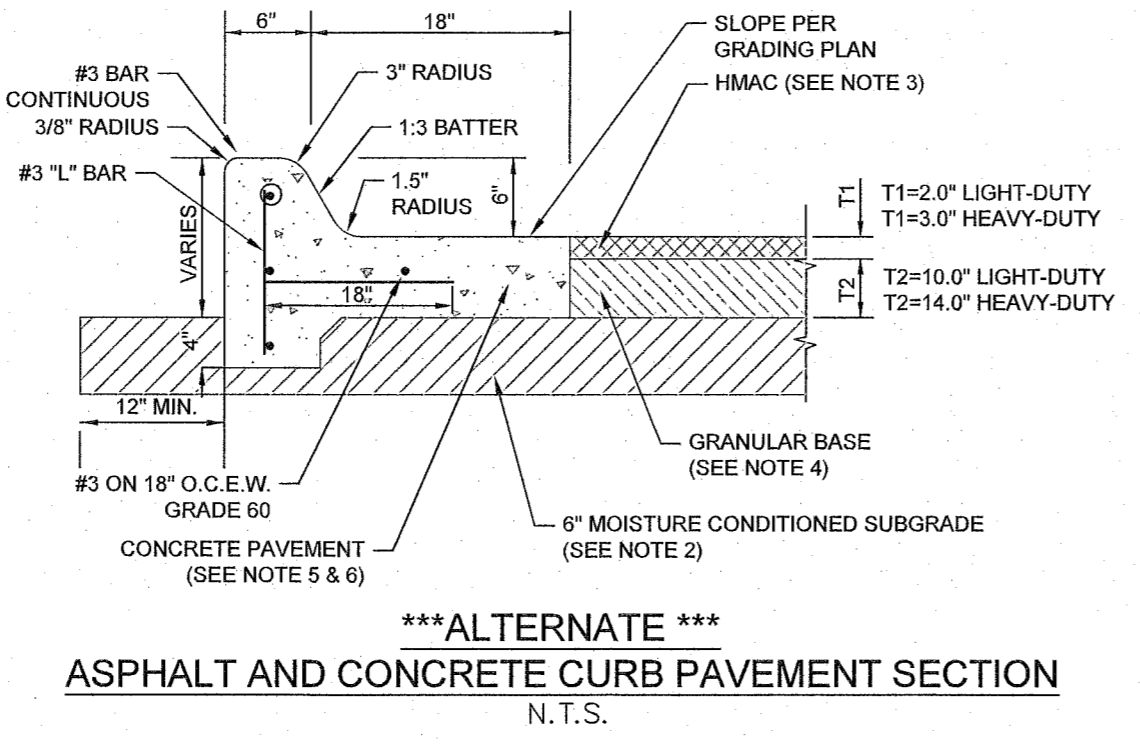
BENCHMARK LIST

BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 886.60 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 886.34 FEET. (AS SHOWN)

CAUTION!
 EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.



- ### CONCRETE PAVEMENT NOTES:
- PRIOR TO PLACING ANY FILL, ANY VEGETATION, LOOSE TOPSOIL, AND ANY OTHERWISE UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE NEW PAVEMENT AREAS. AFTER STRIPPING, THE SUBGRADE SHALL BE PROOF-ROLLED WHERE POSSIBLE TO AID IN LOCATING LOOSE OR SOFT AREAS. PROOF-ROLLING CAN BE PERFORMED WITH A 15-TON ROLLER OR FULLY LOADED DUMP TRUCK. WET, SOFT, LOW-DENSITY OR DRY MATERIAL SHALL EITHER BE REMOVED OR MOISTURE CONDITIONED AND RECOMPACTED TO THE MOISTURE CONTENTS AND DENSITIES DESCRIBED BELOW PRIOR TO PLACING FILL.
 - OVER-EXCAVATE ANY CONFIRMED WEAK YIELDING ZONES, BOTH VERTICALLY AND HORIZONTALLY, TO EXPOSE COMPETENT SOIL. THE EXPOSED SUBGRADE SHALL BE MOISTURE CONDITIONED BETWEEN -2 AND +3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT AND THEN COMPACT TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D 698.
 - CONCRETE SHALL HAVE A MINIMUM 28-DAY DESIGN COMPRESSIVE STRENGTH OF 4,000 PSI.
 - REFERENCE GEOTECHNICAL REPORT FOR CONCRETE PAVEMENT JOINT RECOMMENDATIONS.
 - REFERENCE GEOTECHNICAL REPORT FOR ALTERNATIVES TO THE MOISTURE CONDITIONED SUBGRADE. CONTRACTOR TO INSTALL MOST COST EFFECTIVE OPTION.



FOR ADDITIONAL INFORMATION REFER TO GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON CONSULTANTS INC., NO. 90225074, DATED APRIL 7, 2022.

POTRANCO ROAD
 (120-FOOT PUBLIC R.O.W.)

- ### ASPHALT PAVING NOTES:
- PRIOR TO PLACING ANY FILL, ANY VEGETATION, LOOSE TOPSOIL, AND ANY OTHERWISE UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE NEW PAVEMENT AREAS. AFTER STRIPPING, THE SUBGRADE SHALL BE PROOF-ROLLED WHERE POSSIBLE TO AID IN LOCATING LOOSE OR SOFT AREAS. PROOF-ROLLING CAN BE PERFORMED WITH A 15-TON ROLLER OR FULLY LOADED DUMP TRUCK. WET, SOFT, LOW-DENSITY OR DRY MATERIAL SHALL EITHER BE REMOVED OR MOISTURE CONDITIONED AND RECOMPACTED TO THE MOISTURE CONTENTS AND DENSITIES DESCRIBED BELOW PRIOR TO PLACING FILL.
 - OVER-EXCAVATE ANY CONFIRMED WEAK YIELDING ZONES, BOTH VERTICALLY AND HORIZONTALLY, TO EXPOSE COMPETENT SOIL. THE EXPOSED SUBGRADE SHALL BE MOISTURE CONDITIONED BETWEEN -2 AND +3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT AND THEN COMPACT TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D 698.
 - THE ASPHALTIC CONCRETE SURFACE COURSE SHALL BE PLANT MIXED, HOT LAID TYPE C OR D SURFACE AND SHALL MEET THE MASTER SPECIFICATION REQUIREMENTS OF THE 2014 TXDOT STANDARD SPECIFICATIONS ITEM 341, ITEM SS 3224 (2011) AND SPECIFIC CRITERIA FOR THE JOB MIX FORMULA. THE MIX SHALL BE COMPACTED BETWEEN 91 AND 95 PERCENT OF THE MAXIMUM THEORETICAL DENSITY AS MEASURED BY TEX-227-F. THE ASPHALT CEMENT CONTENT BY PERCENT OF TOTAL MIXTURE WEIGHT SHALL FALL WITHIN A TOLERANCE OF ±0.3 PERCENT ASPHALT CEMENT FROM THE SPECIFIC MIX. IN ADDITION, THE MIX SHALL BE DESIGNED SO 75 TO 85 PERCENT OF THE VOIDS IN THE MINERAL AGGREGATE (VMA) ARE FILLED WITH ASPHALTIC CEMENT. THE GRADE OF THE ASPHALT CEMENT SHALL BE PG 70-22 OR HIGHER PERFORMANCE GRADE. AGGREGATES KNOWN TO BE PRONE TO STRIPPING SHALL NOT BE USED IN THE HOT MIX. IF SUCH AGGREGATES ARE USED MEASURES SHALL BE TAKEN TO MITIGATE THIS CONCERN. THE MIX SHALL HAVE AT LEAST 70 PERCENT STRENGTH RETENTION WHEN TESTED IN ACCORDANCE WITH TEX-531-C.
 - BASE MATERIAL SHALL BE COMPOSED OF CRUSHED LIMESTONE BASE MEETING ALL OF THE REQUIREMENTS OF 2014 TXDOT ITEM 247, TYPE A, GRADE 1-2, INCLUDING TRIAXIAL STRENGTH. THE MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 1557 AT MOISTURE CONTENTS RANGING FROM -2 AND +3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT.
 - CONCRETE SHALL HAVE A MINIMUM 28-DAY DESIGN COMPRESSIVE STRENGTH OF 4,000 PSI.
 - REFERENCE GEOTECHNICAL REPORT FOR ALTERNATIVES TO THE MOISTURE CONDITIONED SUBGRADE. CONTRACTOR TO INSTALL MOST COST EFFECTIVE OPTION.

Plotted By: Gatto, Matthew June 15, 2022, 12:36:41pm K:\SWA_Civil\068695010-KFC-Dugas\CAD\PlanSheets\C-PAV-068695010.dwg
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DATE: 6/15/2022
 JOB NO: 068695010
 DRAWN BY: MJG
 SHEET NUMBER: 2.1.3

SAWS GENERAL CONSTRUCTION NOTES
ASSOCIATED WITH 2021 SAWS STANDARD SPECS
 UPDATED DECEMBER 14, 2021

GENERAL SECTION

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
 - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
 - CURRENT TxDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE".
 - CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION".
 - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION".
 - CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
- THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE: [HTTPS://APPS.SAWS.ORG/BUSINESS_CENTERS/SPECS/CONSTSPECS/](https://apps.saws.org/business_centers/specs/constspecs/) UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.
- THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 (DURING REGULAR SAWS WORKING HOURS) AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS TWO (2) WEEKS PRIOR TO EXCAVATION. OUTSIDE OF REGULAR SAWS WORKING HOURS THE SAWS EOC SHOULD BE CONTACTED AT 210-704-7297.
- IF NECESSARY, CONTRACTOR WILL COORDINATE USE OF SAWS PREMISES AT NO ADDITIONAL COST TO SAWS. SUCH EFFORTS INCLUDE, BUT ARE NOT LIMITED TO, OBTAINING SECURITY IDENTIFICATION BADGES REQUIRED FOR ACCESS TO SAWS FACILITIES.
- LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. AS-BUILTS FOR SAWS INFRASTRUCTURE CAN BE OBTAINED AT WEBSITE BELOW. CONTRACTOR SHALL COORDINATE PHYSICAL LOCATES FOR SAWS INFRASTRUCTURE THROUGH THE SAWS INSPECTOR. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS INFRASTRUCTURE. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 SAN ANTONIO WATER SYSTEM:
 REQUEST AS-BUILTS: [HTTPS://WWW.SAWS.ORG/SERVICE/LOCATES-SERVICE/](https://www.saws.org/service/locates-service/)
 COSA DRAINAGE 210-206-8433
 COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720
 TEXAS STATEWIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING, AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION.
- CONTRACTOR SHALL NOT MAKE USE OF DUMPSTERS OR WASTE BINS THAT ARE INTENDED TO SERVE RESIDENTS AND/OR BUSINESSES.
- ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
- THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- ALL WORK WITHIN THE 100-YEAR FLOODPLAIN SHALL BE DONE IN ACCORDANCE WITH FLOODPLAIN DEVELOPMENT PERMIT.
- ANY WORK COMPLETED WITHOUT PRIOR WRITTEN AUTHORIZATION WHICH IS NOT INCLUDED IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO WATER SYSTEM.
- HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS.
- WEEKEND WORK: CONTRACTORS ARE REQUIRED TO SUBMIT REQUEST TO THE SAWS INSPECTION CONSTRUCTION DEPARTMENT BY 12:00PM ON THE WEDNESDAY PRIOR TO THE WEEKEND BEING REQUESTED. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG. ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION AT NO COST TO SAWS.
- PRE-CON SITE VIDEO: BEFORE THE START OF ANY CONSTRUCTION, THE SITE MUST BE VIDEO RECORDED BY THE CONTRACTOR WITH ONE COPY SUBMITTED TO SAWS INSPECTIONS. A PRE-SITE VIDEO WILL PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING CONDITIONS(SNP).
- POWER POLE BRACING: CONTRACTORS SHOULD BE ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITY POLES ALONG THE PROJECT CORRIDOR. CONTRACTORS SHOULD FURTHER BE ADVISED THAT IF THE DISTANCE FROM THE OUTSIDE FACE OF A UTILITY TRENCH TO THE FACE OF A UTILITY POLE IS LESS THAN 5 FEET, SHIELD UTILITY BRACING, BASED ON A DETERMINATION MADE BY UTILITY POLE OWNER, COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANY'S WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.
- CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SCHEDULE SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES.
- CONTRACTOR SHALL COMPLY WITH APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OVERSEEN BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA INFORMATION AND RELATED MATERIALS MAY BE OBTAINED AT [HTTPS://WWW.OSHA.GOV](https://www.osha.gov) OR AT THE OSHA SAN ANTONIO OFFICE LOCATED AT FOUNTAINHEAD TOWER, SUITE 605 8200 W. INTERSTATE 10 SAN ANTONIO, TX 78230 WHICH IS ALSO REACHABLE BY PHONE AT (210) 472-5040.
- TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATION. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

WATER SECTION

- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS INSPECTION AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- SAWS PRODUCTION CONTROL CENTER 210-233-2018
- ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAYBE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER ITEM NO. 3000, "HANDLING ASBESTOS CEMENT PIPE".
- AC PIPE REMOVED ON CONSTRUCTION PROJECTS FOR TIE-INS SHOULD BE IN LENGTH OF 26 LINEAR FEET (LF). LENGTHS OF 13 LF SHOULD BE REMOVED WHERE AC PIPE IS BEING REMOVED AND CROSSING PIPES, CONDUITS, OR BOXES.
- VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSPI)
- DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A

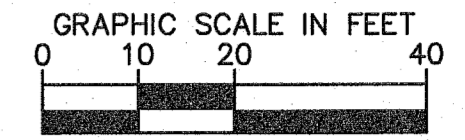
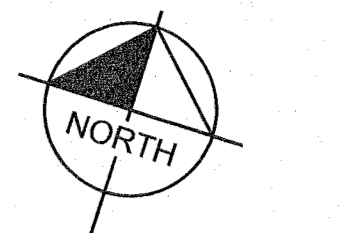
SEWER NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
 - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT 210-704-SAWS (210-704-7297). PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
 - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
 - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
 - CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
 - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
 - MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISIONING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.
- SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.
- THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION ITEM NO. 865, "BYPASS PUMPING SMALL DIAMETER SANITARY SEWER MAINS" AND STANDARD SPECIFICATION ITEM NO. 864, "BYPASS PUMPING LARGE DIAMETER SANITARY SEWER MAINS" AS APPLICABLE. PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE APPROPRIATE BID ITEM ASSOCIATED WITH SANITARY SEWER BYPASS PUMPING IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS 865 AND 864.
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

LOT 34
 BLOCK 16
 N.C.B 17842
 POTRANCO COMMERCIAL SUBDIVISION
 (VOL. 20001, PG. 2252 PR)
 KATHERINE L. DAHMEN AND
 ANTHONY S. DAHMEN
 (DOC. NO. 20200210007) (P/R)

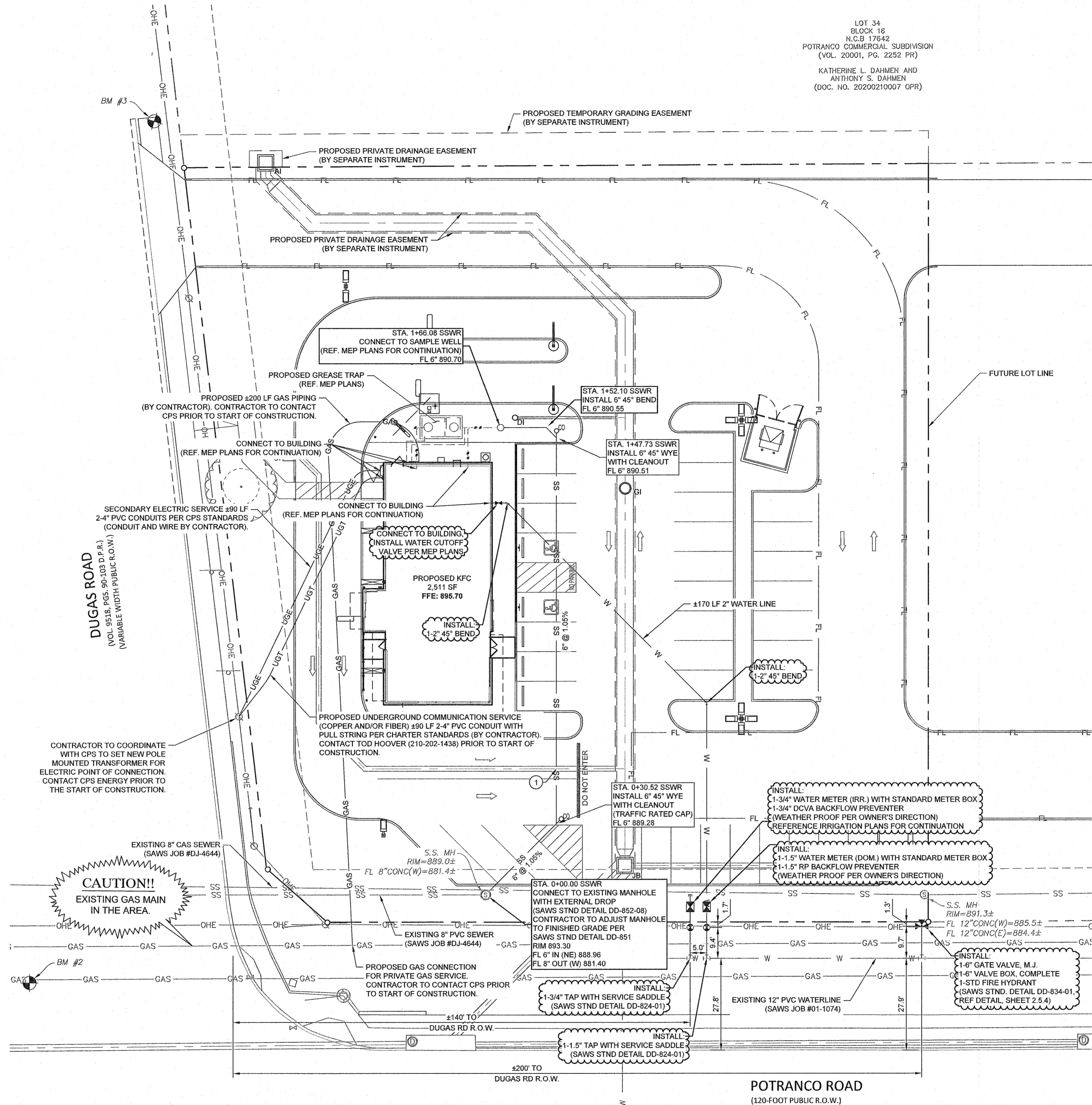


LEGEND

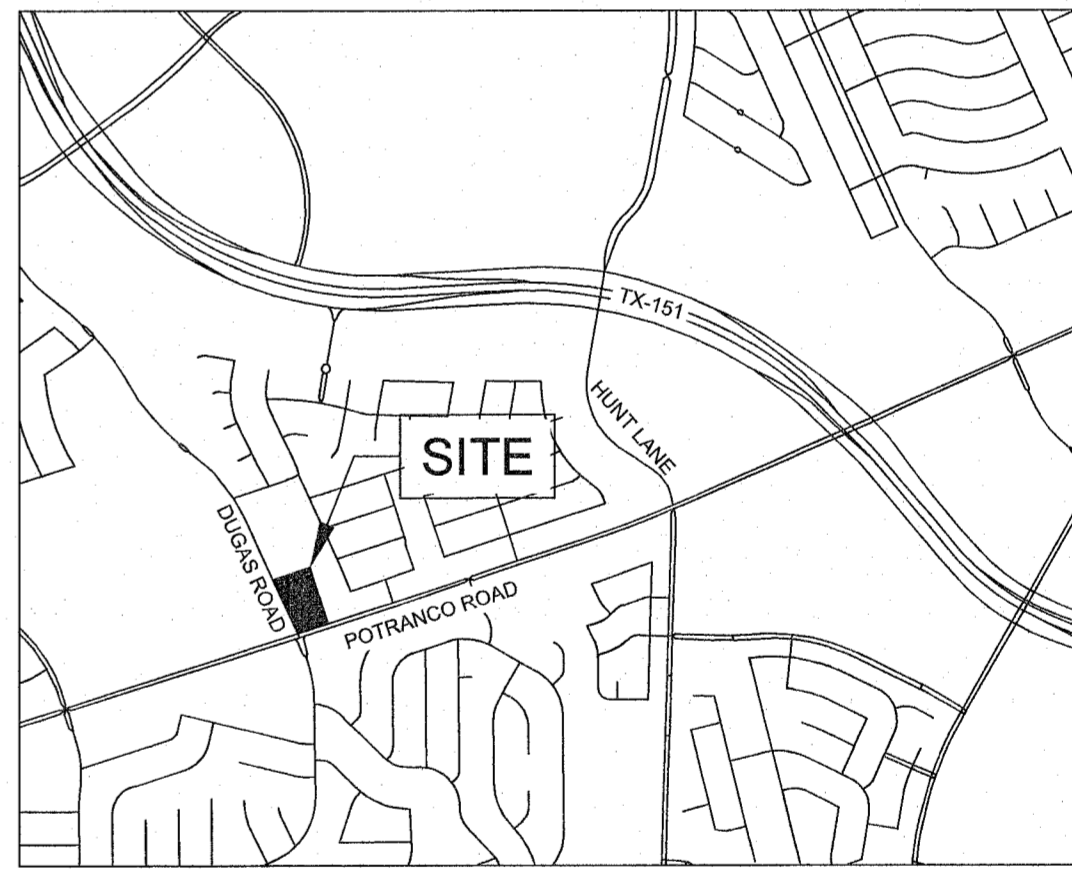
SS	PROPOSED SANITARY SEWER LINE
W	PROPOSED WATER LINE
GAS	PROPOSED GAS LINE
UGE	PROPOSED UNDERGROUND ELECTRIC LINE
UGT	PROPOSED UNDERGROUND COMMUNICATION LINE
SS	PROPOSED STORM SEWER LINE
SS	EXISTING SANITARY SEWER LINE
W	EXISTING WATER LINE
GAS	EXISTING GAS LINE
OHE	EXISTING OVERHEAD ELECTRIC LINE
CC	PROPOSED CLEANOUT
CS	PROPOSED STORM STRUCTURE (REF. SHEET 2.3.4)
CP	PROPOSED BACKFLOW PREVENTER
WM	PROPOSED WATER METER
WV	PROPOSED WATER VALVE
FR	PROPOSED FIRE HYDRANT
SM	EXISTING SANITARY SEWER MANHOLE
UP	EXISTING UTILITY POLE

NOTES

- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE UNLESS NOTED OTHERWISE.
- REFERENCE WATER AND SANITARY SEWER NOTES ON SHEET 2.5.3 FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF FIELD CONDITIONS VARY.
- REFERENCE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY TIE-IN LOCATIONS AT BUILDING.
- REFER TO TCEQ CHAPTERS 200 AND 217 FOR REQUIREMENTS AT ALL SANITARY SEWER AND WATER UTILITY CROSSINGS.
- REFERENCE SHEET 2.5.3 FOR WATER AND SEWER STANDARD DETAILS.



9639 POTRANCO ROAD
 LOT 35, BLOCK 16, POTRANCO COMMERCIAL SUBDIVISION
 SAN ANTONIO, TEXAS 78251



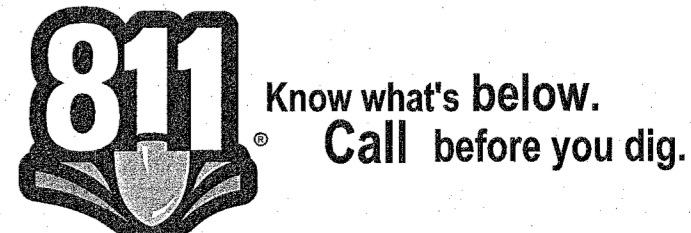
UTILITY CROSSING

	STORM DRAIN	SANITARY SEWER
1	PR. 18": ±883.7	PR. 6": ±889.4

BENCHMARK LIST

BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.60 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 896.34 FEET. (AS SHOWN)

CAUTION!
 EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.



REVISIONS:

SITE UTILITY PLAN

Dugas

9639 Potranco Rd., San Antonio, Tx. 78251

Kimley-Horn

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 10101 REINICK PLACE, SUITE 400, SAN ANTONIO, TX 78216
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JUN 15 2022

JASON R. LINK
 106138
 LICENSED PROFESSIONAL ENGINEER
 6/15/2022

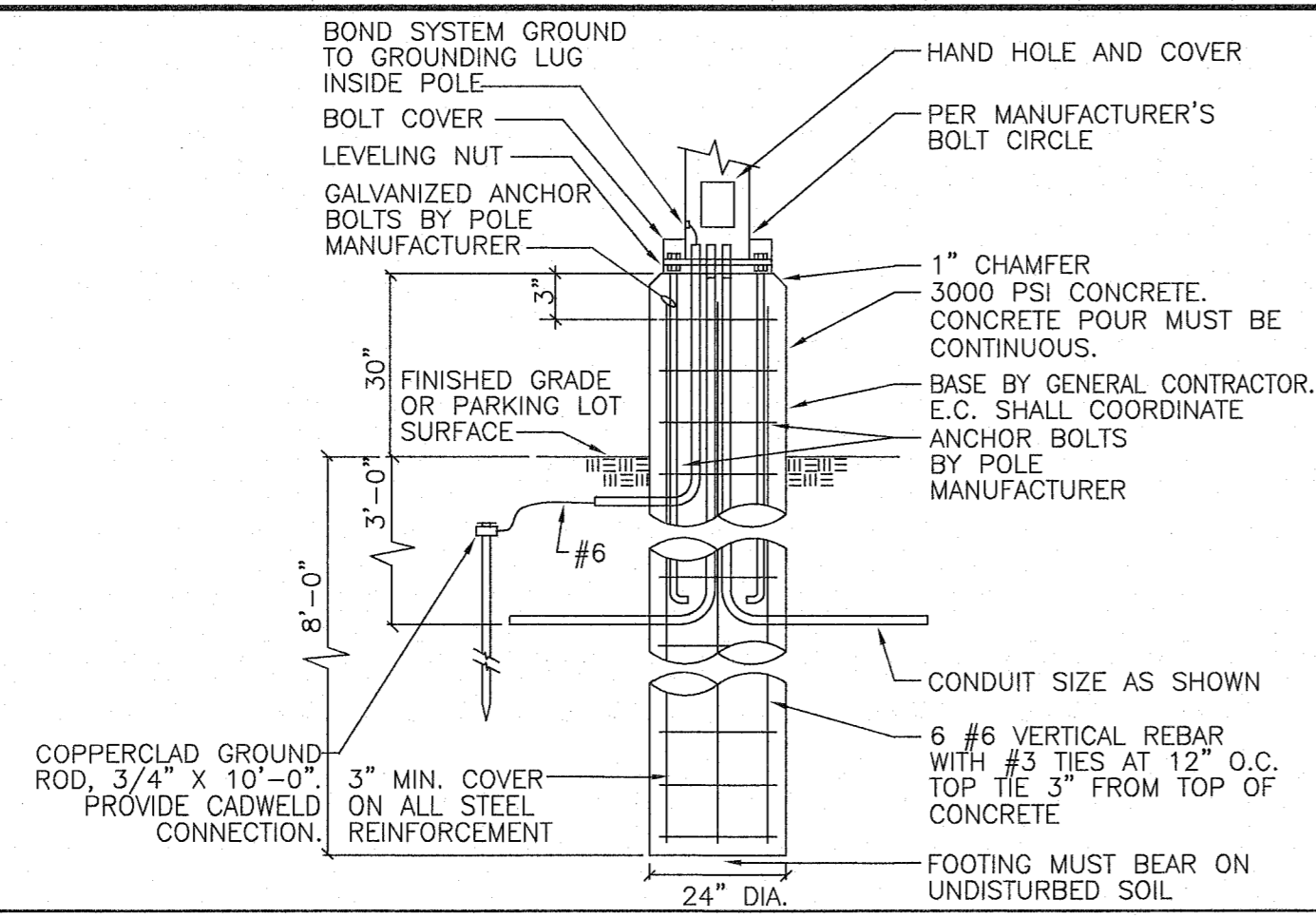
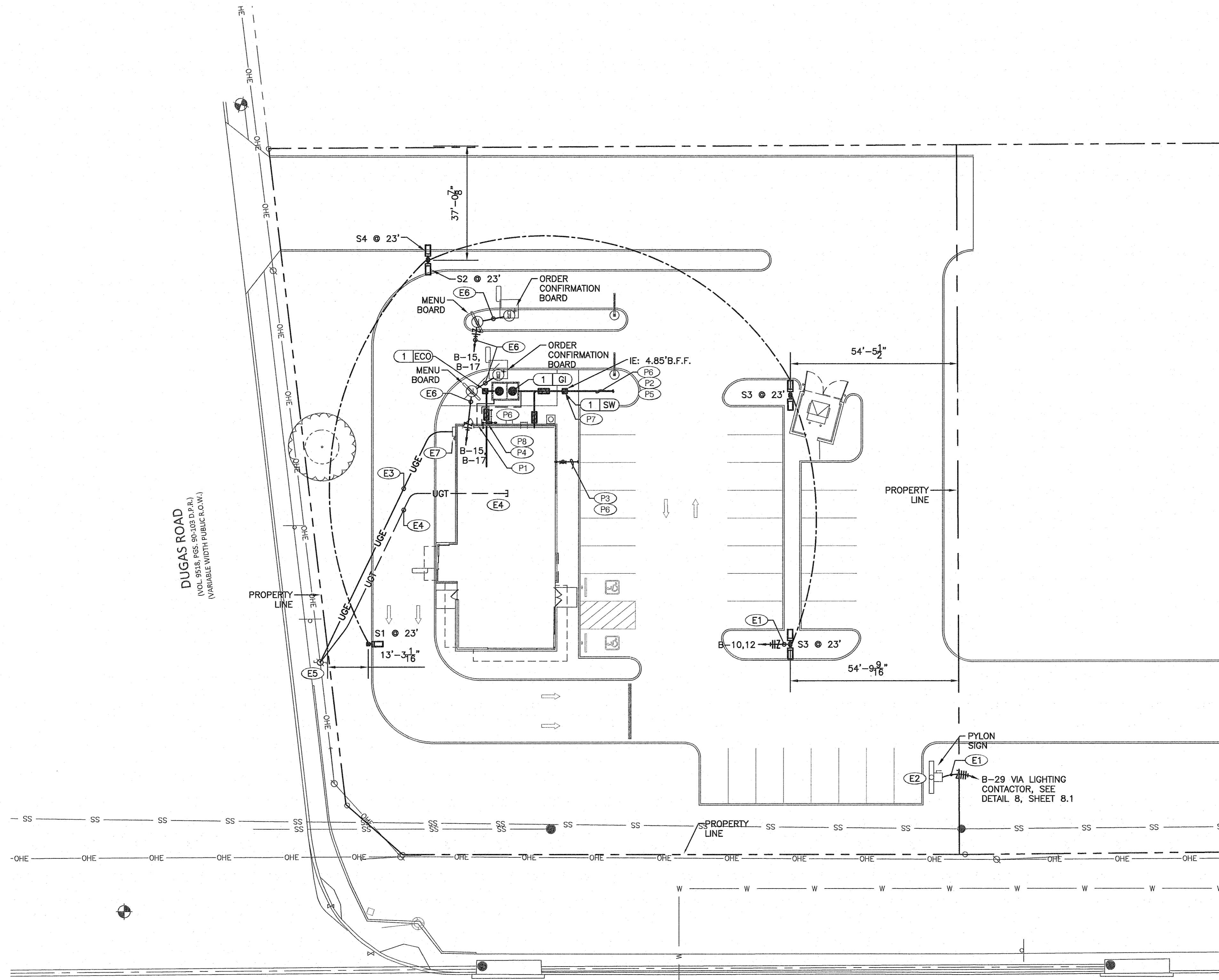
Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

DATE: 6/15/2022
 JOB NO: 068995010
 DRAWN BY: MJG
 SHEET NUMBER: 2.2.1

Plotted By: Gatto, Matthew June 15, 2022 12:17:33pm
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May 19, 2022 - 2:44pm
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POLE BASE DETAIL D

- PLUMBING KEY NOTES C**
- (P1) 2" VENT FROM GREASE INTERCEPTOR BELOW GRADE.
 - (P2) 6" SANITARY SEWER; REFER TO CIVIL SITE PLAN FOR CONTINUATION.
 - (P3) 1-1/2" DOMESTIC WATER ENTRANCE; REFER TO CIVIL SITE PLAN FOR CONTINUATION.
 - (P4) GAS METER, REGULATOR, VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS CO. SEE CIVIL SITE PLAN FOR CONTINUATION OF GAS SERVICE. FIELD COORDINATE EXACT LOCATION. TOTAL LOAD IS 1,364 CFH WITH A 2PSI SERVICE.
 - (P5) PROPOSED SANITARY SEWER ROUTING. REFER TO CIVIL SITE FOR EXACT LOCATION.
 - (P6) FIELD COORDINATE ROUTING OF ALL UTILITIES WITH ALL OTHER DISCIPLINES.
 - (P7) PROVIDE SAMPLE WELL. FIELD COORDINATE EXACT LOCATION.
 - (P8) PLUMBING CONTRACTOR TO PROVIDE A 2LB TO 11"WC NATURAL GAS REGULATOR. INSTALL REGULATOR AFTER THE METER. REGULATOR SHALL BE EQUIVALENT TO SENSUS 243 SERIES WITH 2" INLETS AND OUTLETS A GREEN SPRING ADJUSTABLE FROM 6" TO 14"WC AND A 1/2" ORIFICE.

PLUMBING KEY NOTES C

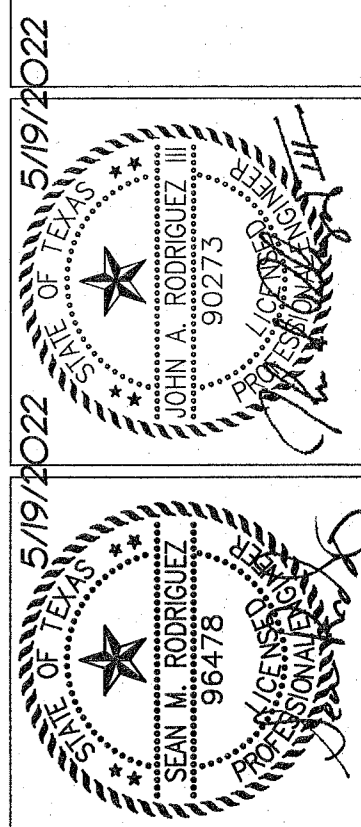
- ELECTRICAL KEY NOTES B**
- (E1) CONDUIT SHALL BE DIRECT BURIED. REFER TO PANEL SCHEDULE FOR FINAL CIRCUITING REQUIREMENTS AND CONDUIT SIZING.
 - (E2) PYLON SIGN. PROVIDE 30A NON-FUSED LOCKABLE DISCONNECT SWITCH IN NEMA 3R ENCLOSURE; AT BASE OF SIGN COLUMN.
 - (E3) UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO. REFER TO ONE-LINE DIAGRAM ON SHEET 8.7 FOR ADDITIONAL REQUIREMENTS.
 - (E4) UNDERGROUND TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO. VERIFY TELEPHONE LOCATION INSIDE BUILDING TO ROUTE UNDERGROUND CONDUIT. DO NOT EXPOSE CONDUIT ON BUILDING EXTERIOR.
 - (E5) PROPOSED LOCATION OF NEW POLE MOUNTED TRANSFORMER. COORDINATE EXACT LOCATION WITH UTILITY PROVIDER.
 - (E6) UNDERGROUND CONDUITS FOR MENU BOARD AND SPEAKER/ORDER CONFIRMATION BOARD. PROVIDE THE FOLLOWING: (1) 1" CONDUIT FOR POWER, (1) 1" CONDUIT FOR DATA. REFER TO DETAIL 14, SHEET 8.10 FOR ADDITIONAL REQUIREMENTS.
 - (E7) APPROXIMATE LOCATION OF MAIN ELECTRIC SERVICE. REFER TO ONE-LINE DIAGRAM PER SHEET 8.7.

ELECTRICAL KEY NOTES B

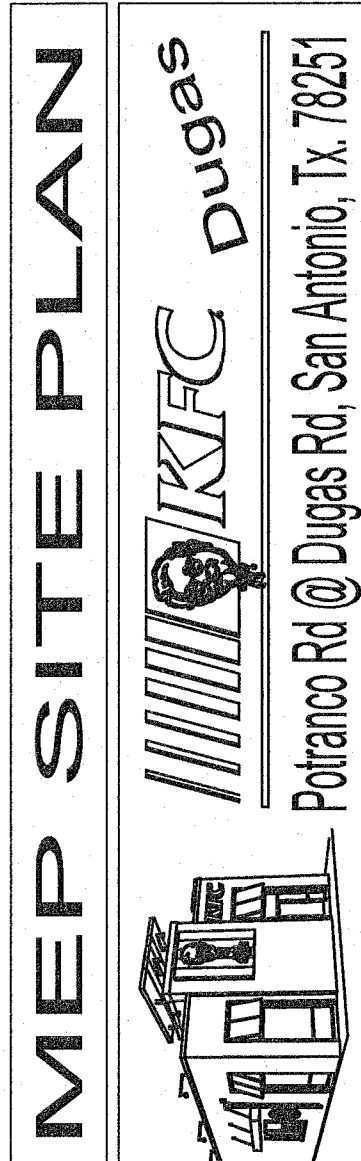
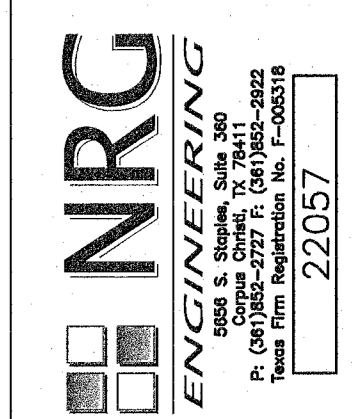
MEP SITE PLAN 1"=20'-0" A

DATE: 05.19.22
JOB NO: 44343
DRAWN BY: MRL
SHEET NUMBER: **2.2.2**
OF

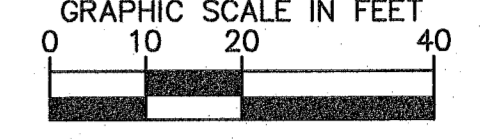
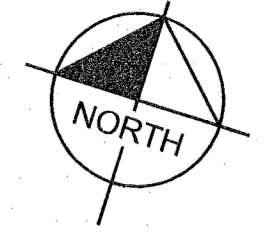
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MAY 19 2022



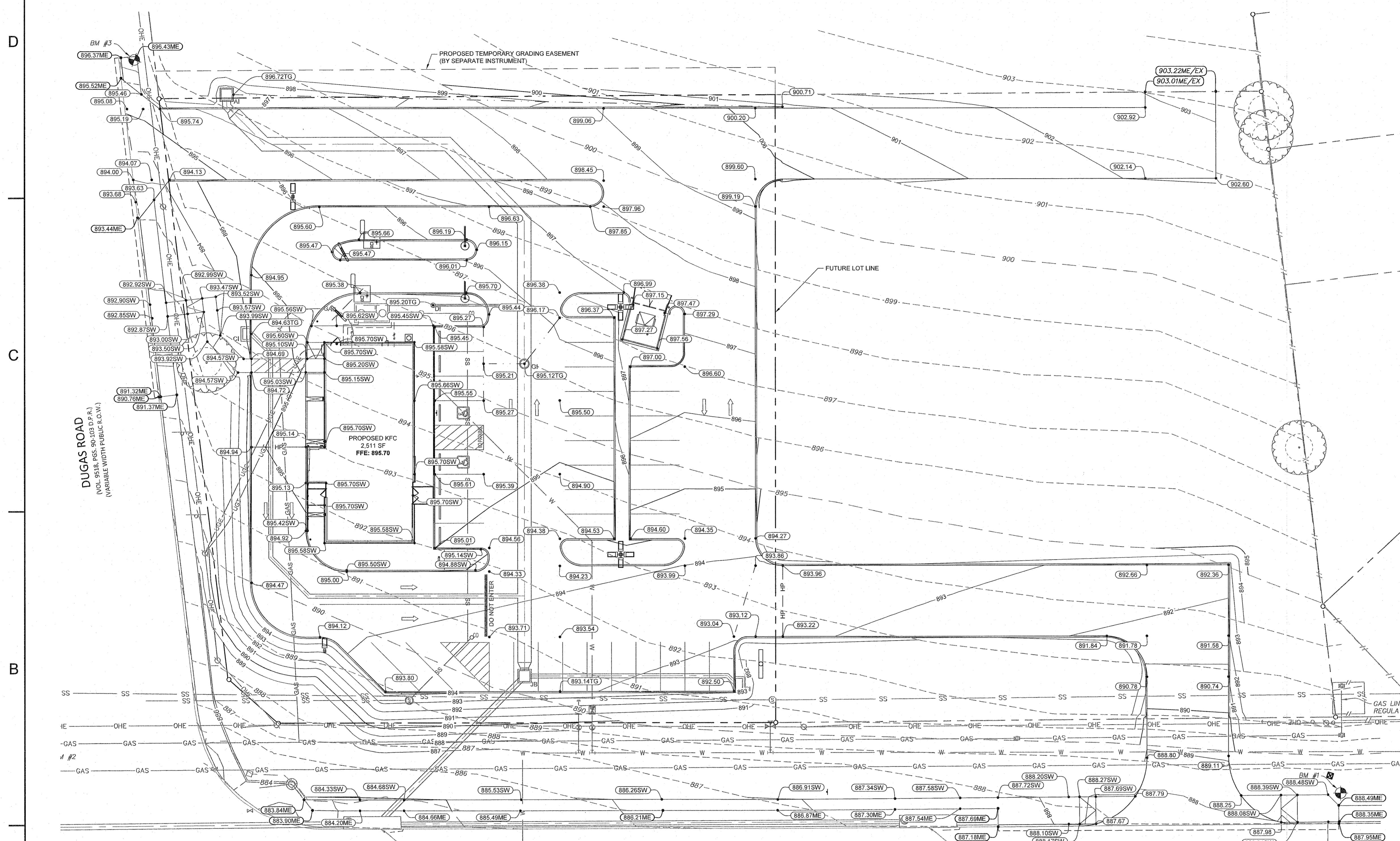
REVISIONS:



LEGEND

XXXXXX	PROPOSED SPOT ELEVATION
SW	SIDEWALK
FG	FINISHED GRADE
TC	TOP OF CURB
EX	EXISTING SPOT ELEVATION
ME	MATCH EXISTING
750	PROPOSED CONTOURS
---	EXISTING CONTOURS
HP	PROPOSED HIGH POINT
HP	PROPOSED VALLEY
---	INTENDED SURFACE GRADE (ARROW POINTS DOWNHILL)
---	PROPOSED BARRIER FREE RAMP
---	PROPOSED SIDEWALK CHASE
---	PROPOSED LIGHT POLE
---	PROPOSED SANITARY CLEANOUT
---	PROPOSED WATER METER
---	PROPOSED BACKFLOW PREVENTER
---	EXISTING POWER POLE
---	EXISTING FIRE HYDRANT

- NOTES**
- ALL SPOT GRADES ARE TO TOP OF PAVEMENT (TP) OR TOP OF GRATE (TG), UNLESS OTHERWISE NOTED AS TC (TOP OF CURB). CONTRACTOR TO ADD 6" FOR TOP OF CURB AS NECESSARY.
 - NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
 - MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES, LOADING ZONES AND SIDEWALK LANDINGS SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
 - MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS UNLESS OTHERWISE NOTED. RUNNING SLOPE MAY EXCEED 5% IN PUBLIC R.O.W. IF EXISTING ROAD SLOPE EXCEEDS 5%. SIDEWALK SHALL NOT EXCEED RUNNING SLOPE OF EXISTING ROADWAY.
 - GENERAL CONTRACTOR TO REFERENCE NOTE 1 REGARDING SPOT ELEVATIONS. COORDINATE WITH DIRT AND LANDSCAPE SUBCONTRACTORS REGARDING PROPOSED SOD AND HYDROMULCH LOCATIONS TO ENSURE ADEQUATE CUT FOR FUTURE VEGETATION.
 - EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, READJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.



BENCHMARK LIST

BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.60 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
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REVISIONS:

GRADING PLAN

Kimley»Horn

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JUN 1 5 2022

STATE OF TEXAS
JASON R. LINK
106138
LICENSED PROFESSIONAL ENGINEER
6/15/2022

Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
JOB NO: 068695010
DRAWN BY: MJG
SHEET NUMBER: 2.3.1

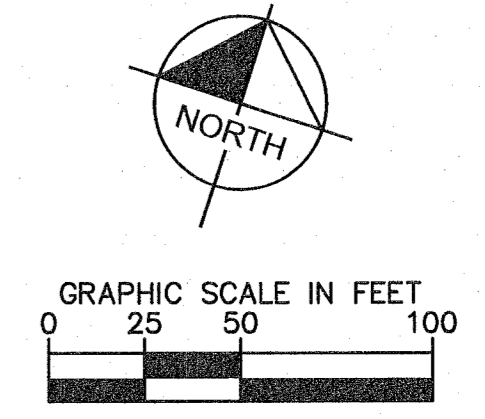
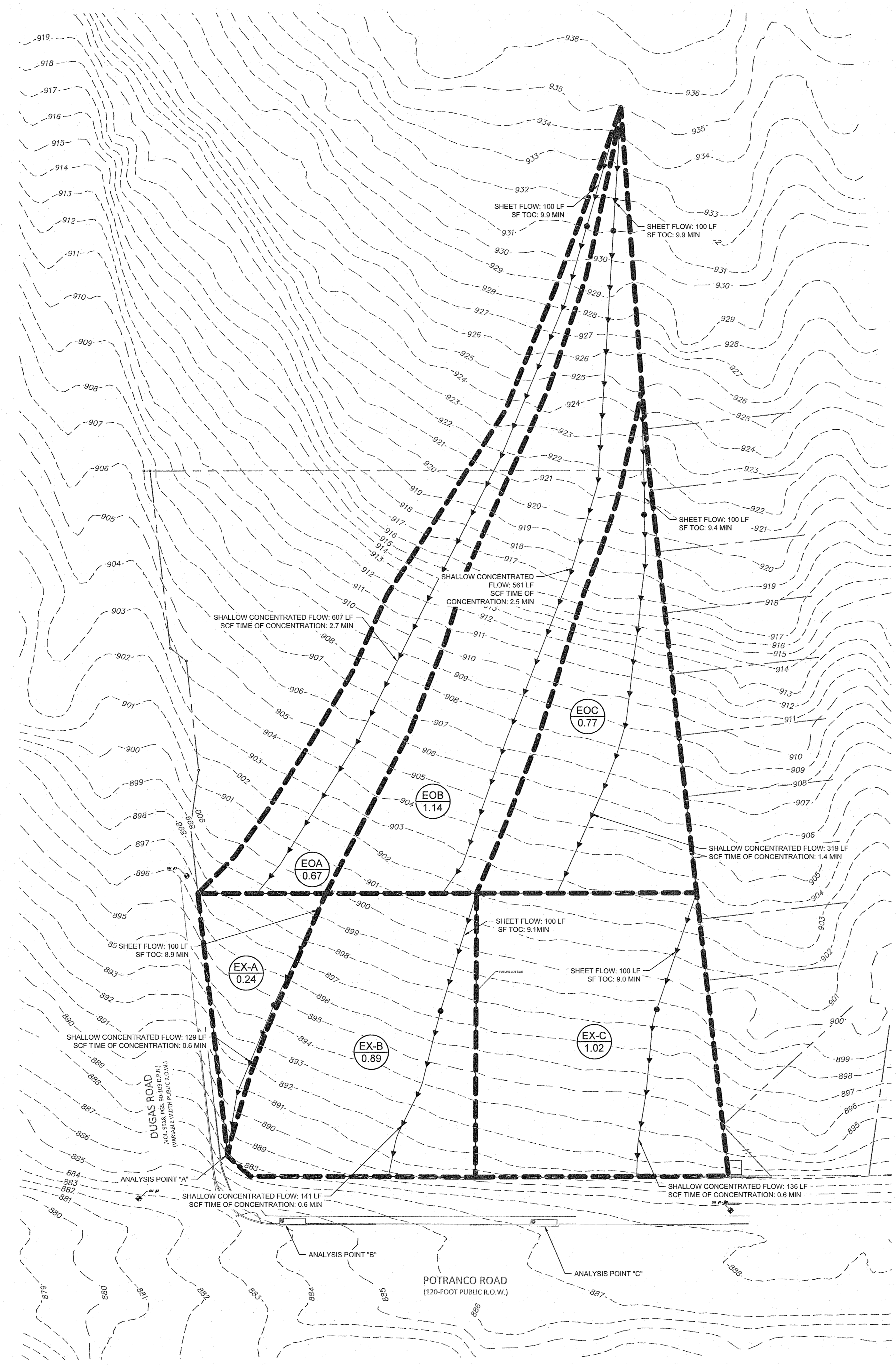
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D

C

B

A



LEGEND

--- 899 ---	EXISTING CONTOURS
--- 899 ---	PROPOSED CONTOURS
---	DRAINAGE BOUNDARY
→	FLOW PATH (NODE INDICATES LIMITS OF FLOW TYPE)
EX-A 0.24	DRAINAGE BASIN NAME
0.24	DRAINAGE BASIN AREA

DRAINAGE NOTES:

- DRAINAGE CRITERIA FOR THIS DRAINAGE AREA MAP IS BASED ON THE CITY OF SAN ANTONIO STORM WATER DESIGN CRITERIA MANUAL (REVISED APRIL 2019) DRAINAGE REQUIREMENTS. BY DIRECTIONAL METHOD:
 Q = CIA
 C = RUNOFF COEFFICIENT (C = 0.97, COMMERCIAL AREA OVER 3% SLOPE)
 VARIES PER TIME OF CONCENTRATION (ATLAS 14 VALUES)
10-MIN. STORM INTENSITIES
 $I_2 = 5.02 \text{ in/hr (2-YR)}$
 $I_5 = 7.32 \text{ in/hr (10-YR)}$
 $I_{100} = 8.76 \text{ in/hr (100-YR)}$
 A = DRAINAGE BASIN AREA
 ON SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY PAPE-DAWSON ENGINEERS, INC. FROM DECEMBER 2021 AND SUPPLEMENTED WITH OFFSITE TOPOGRAPHY OBTAINED FROM LIDAR DATA, DATED JANUARY 2021, PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM (TNRIS).

PEAK FLOW CALCULATIONS

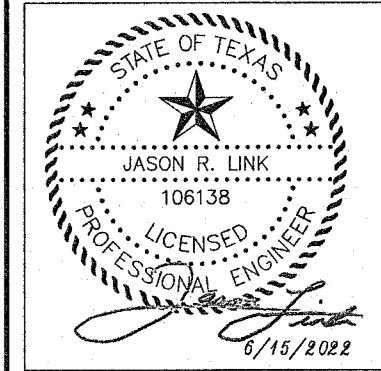
Basin	Tc (min)	A (ac)	C	I-2 (in/hr)	I-5 (in/hr)	I-100 (in/hr)	Q-2 (cfs)	Q-5 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q-100 (cfs)	Collection Point
EX-A	10.0	0.24	0.49	5.02	7.32	8.76	10.95	0.59	0.86	1.03	1.29	ANALYSIS POINT "A"
EX-B	10.0	0.89	0.49	5.02	7.32	8.76	10.95	2.19	3.19	3.82	4.77	ANALYSIS POINT "B"
EX-C	10.0	1.02	0.49	5.02	7.32	8.76	10.95	2.51	3.66	4.38	5.47	ANALYSIS POINT "C"
EOA	12.6	0.67	0.49	4.58	6.64	7.93	9.89	1.50	2.18	2.60	3.25	ANALYSIS POINT "A"
EOB	12.4	1.14	0.49	4.62	6.69	8.00	9.98	2.58	3.74	4.47	5.58	ANALYSIS POINT "B"
EOC	10.8	0.77	0.49	4.87	7.10	8.49	10.61	1.84	2.68	3.20	4.00	ANALYSIS POINT "C"

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DRAINAGE AREA MAP (EXISTING CONDITIONS)

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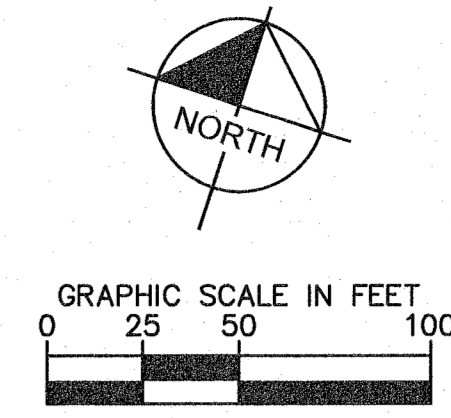
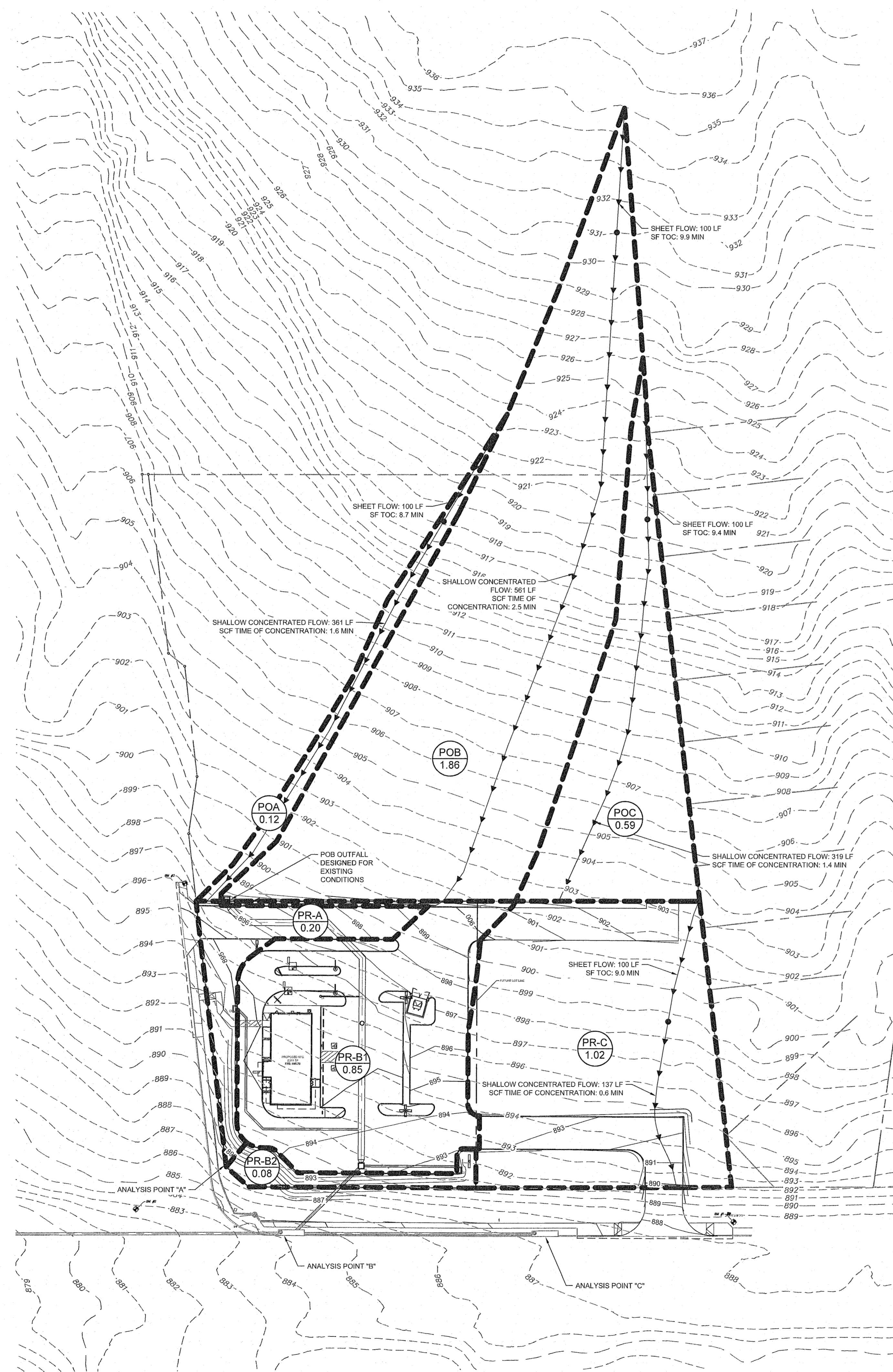
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DATE: 6/15/2022
 JOB NO: 068695010
 DRAWN BY: MJG
 SHEET NUMBER:

2.3.2
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D
C
B
A



LEGEND

- 899 --- EXISTING CONTOURS
- 899 --- PROPOSED CONTOURS
- DRAINAGE BOUNDARY
- FLOW PATH (NODE INDICATES LIMITS OF FLOW TYPE)
- PR-A 0.20 DRAINAGE BASIN NAME
- 0.20 DRAINAGE BASIN AREA

DRAINAGE NOTES:

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BY DIRECTIONAL METHOD:

Q = CIA

C RUNOFF COEFFICIENT (C = 0.97, COMMERCIAL AREA OVER 3% SLOPE)

VARIES PER TIME OF CONCENTRATION (ATLAS 14 VALUES)

10-MIN STORM INTENSITIES

$i_5 = 5.02 \text{ in/hr (2-YR)}$
 $i_{10} = 7.32 \text{ in/hr (10-YR)}$
 $i_{25} = 8.76 \text{ in/hr (25-YR)}$
 $i_{100} = 10.95 \text{ in/hr (100-YR)}$

A DRAINAGE BASIN AREA

ON SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY PAPE-DAWSON ENGINEERS, INC. FROM DECEMBER 2021 AND SUPPLEMENTED WITH OFFSITE TOPOGRAPHY OBTAINED FROM LIDAR DATA, DATED JANUARY 2021, PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM (TNIS).

PEAK FLOW CALCULATIONS

Basin	Tc (min)	A (ac)	C	1-2 (in/hr)	1-10 (in/hr)	1-25 (in/hr)	1-100 (in/hr)	Q-2 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q-100 (cfs)	Collection Point
PR-A	10.0	0.20	0.97	5.02	7.32	8.76	10.95	0.97	1.42	1.70	2.12	ANALYSIS POINT "A"
PR-B1	10.0	0.85	0.97	5.02	7.32	8.76	10.95	4.14	6.04	7.22	9.03	DETENTION / ANALYSIS POINT "B"
PR-B2	10.0	0.08	0.97	5.02	7.32	8.76	10.95	0.39	0.57	0.68	0.85	BYPASS / ANALYSIS POINT "B"
PR-C	10.0	1.02	0.97	5.02	7.32	8.76	10.95	3.04	4.43	5.30	6.63	ANALYSIS POINT "C"
POA	10.2	0.12	0.49	4.98	7.26	8.69	10.86	0.29	0.43	0.51	0.64	ANALYSIS POINT "A"
POB	12.4	1.86	0.49	4.62	6.69	8.00	9.98	4.21	6.10	7.29	9.10	DETENTION / ANALYSIS POINT "B"
POC	10.8	0.59	0.49	4.87	7.10	8.49	10.61	1.41	2.05	2.45	3.07	ANALYSIS POINT "C"

Basin Comparison Table

Basin	Q-2 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q-100 (cfs)
EA	2.09	3.04	3.63	4.54
PA	1.27	1.85	2.21	2.76
Δ	-0.83	-1.19	-1.42	-1.77

EA = EKA + EOA
 PA = PRA + POA

Basin Comparison Table

Basin	Q-2 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q-100 (cfs)
EC	4.35	6.34	7.58	9.47
PC	4.45	6.48	7.76	9.70
Δ	0.10	0.15	0.18	0.22

EC = EKC + EOC
 PC = PRC + POC

DETENTION/OUTFALL SUMMARY (BASIN B)

STORM EVENT	2-YEAR	10-YEAR	25-YEAR	100-YEAR
WATER SURFACE ELEVATION	882.42	893.17	893.66	896.20
STORAGE (ft ³)	1,352	2,317	3,016	5,673
PRE-DEVELOPMENT DISCHARGE (cfs)	4.77	6.93	8.29	10.35
POST-DEVELOPMENT DISCHARGE (cfs)	4.10	5.84	6.59	9.42
BYPASS (cfs)	0.39	0.57	0.68	0.85
POST-DEVELOPMENT DISCHARGE + BYPASS (cfs)	4.49	6.41	7.27	10.27
POST-DEVELOPMENT - PRE-DEVELOPMENT	-0.28	-0.52	-1.02	-0.08

DEVELOPMENT NET CHANGE

Basin	Q-2 (cfs)	Q-10 (cfs)	Q-25 (cfs)	Q-100 (cfs)
EXISTING	11.21	16.31	19.50	24.36
PROPOSED	10.20	14.74	17.69	22.73
Δ	-1.01	-1.57	-1.81	-1.63

PIPE CAPACITY CALCULATIONS

$Q_{cap} = 1.48AR^{0.78}S^{0.54}$
 $n =$ ROUGHNESS COEFFICIENT (RCP=0.013, HDPE=0.01)
 $A =$ CROSS-SECTIONAL AREA (FT²)
 $R =$ HYDRAULIC RADIUS (FT)
 $S =$ SLOPE (FT/FT)

18" PIPE (HDPE) @ 1.0%
 $A = 1.77 \text{ FT}^2$
 $R = 0.375 \text{ FT}$
 $S = 0.01 \text{ FT/FT}$
 $Q_{cap} = 13.65 \text{ CFS}$

24" PIPE (RCP) @ 0.5%
 $A = 3.14 \text{ FT}^2$
 $R = 0.5 \text{ FT}$
 $S = 0.005 \text{ FT/FT}$
 $Q_{cap} = 16.00 \text{ CFS}$

INLET CAPACITY CALCULATIONS

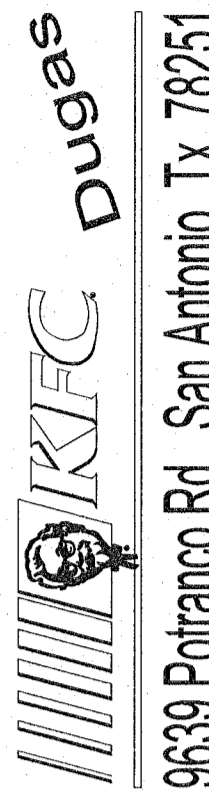
CURB INLET
 $Q = CLn^2$
 $C =$ WEIR COEFFICIENT
 $L =$ LENGTH OF WEIR (FT)
 $h =$ HEAD ABOVE WEIR (FT)

GRATE INLET
 $Q = CA(g)^{0.5}$
 $C = 0.70$
 $A =$ ASSUMED AREA WITH 50% CLOGGING IN INLETS
 $g =$ HEAD ABOVE WEIR (FT)

3" CURB INLET **6"x6" 4-WAY WYE INLET**
 $C = 3.0$ $C = 3.0$
 $L = 5 \text{ FT}$ $L = 20 \text{ FT}$
 $h = 0.56 \text{ FT}$ $h = 5 \text{ FT}$
 $Q_{cap} = 6.29 \text{ CFS}$ $Q_{cap} = 21.21 \text{ CFS}$
 $Q_{cap} = 5.51 \text{ CFS}$ $Q_{cap} = 9.98 \text{ CFS}$

12" DOME GRATE (NYLOPLAST 1299CGD)
 $A = 70.37 \text{ SQ. IN}$
 $h = 0.20 \text{ FT}$
 $Q_{cap} = 0.61 \text{ CFS}$

DRAINAGE AREA MAP (PROPOSED CONDITIONS)

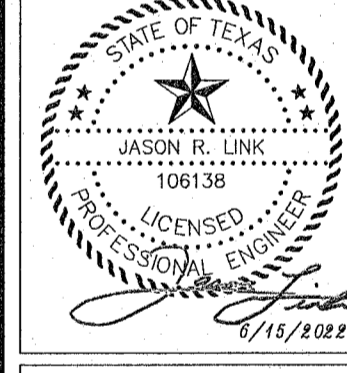


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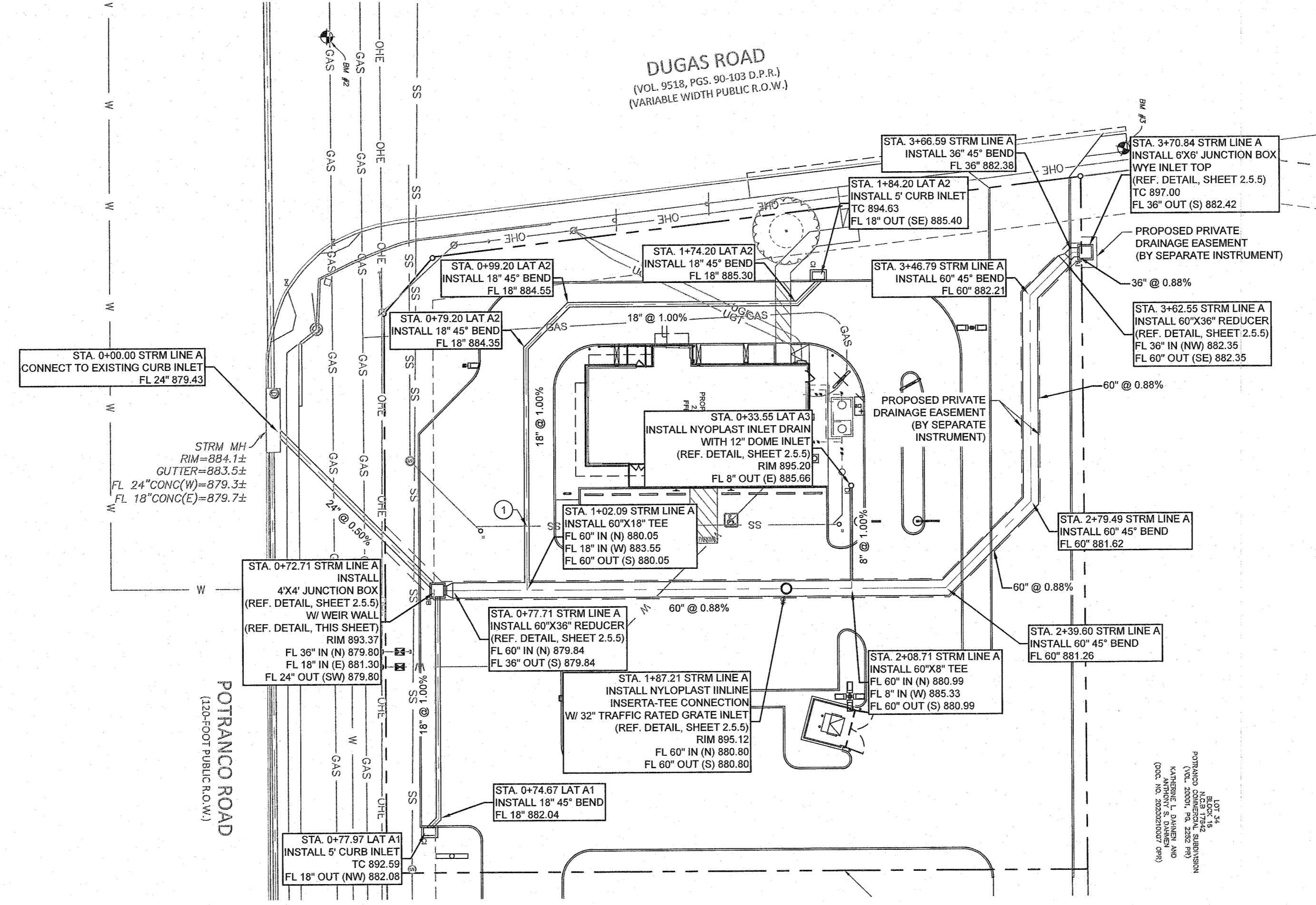
Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
 JOB NO: 086895010
 DRAWN BY: MJG
 SHEET NUMBER:

2.3.3

STAGE-STORAGE-DISCHARGE		
ELEVATION (ft)	STORAGE (ft ³)	DISCHARGE (ft ³ /s)
879.80	-	0.00
879.90	0	0.05
880.00	2	0.20
880.10	7	0.42
880.20	14	0.71
880.30	24	1.04
880.40	37	1.43
880.50	54	1.64
880.60	75	1.83
880.70	100	2.01
880.80	130	2.17
880.90	164	2.31
881.00	203	2.45
881.10	247	2.58
881.20	296	2.71
881.30	350	2.83
881.40	409	2.94
881.50	473	3.05
881.60	543	3.16
881.70	618	3.26
881.80	699	3.36
881.90	786	3.46
882.00	878	3.55
882.10	976	3.65
882.20	1,079	3.74
882.30	1,188	3.83
882.40	1,303	4.01
882.42	1,352	4.10
882.50	1,423	4.25
882.60	1,548	4.54
882.70	1,677	4.87
882.80	1,808	5.13
882.90	1,942	5.34
883.00	2,078	5.53
883.10	2,217	5.71
883.17	2,317	5.84
883.20	2,356	5.88
883.30	2,497	6.05
883.40	2,639	6.20
883.50	2,781	6.35
883.60	2,924	6.50
883.66	3,016	6.59
883.70	3,067	6.64
883.80	3,209	6.78
883.90	3,351	6.91
884.00	3,492	7.04
884.10	3,632	7.17
884.20	3,771	7.30
884.30	3,908	7.42
884.40	4,043	7.54
884.50	4,175	7.66
884.60	4,304	7.78
884.70	4,430	7.89
884.80	4,552	8.00
884.90	4,669	8.11
885.00	4,779	8.22
885.10	4,885	8.33
885.20	4,984	8.43
885.30	5,078	8.54
885.40	5,166	8.64
885.50	5,248	8.74
885.60	5,325	8.84
885.70	5,397	8.94
885.80	5,463	9.04
885.90	5,524	9.14
886.00	5,579	9.23
886.10	5,630	9.33
886.20	5,673	9.42
886.30	5,715	9.59
886.40	5,751	10.68
886.50	5,782	11.67

POND DATA (100-YR)				
Time (min)	Flow (Total In) (ft ³ /s)	Flow (Total Out) (ft ³ /s)	Volume (ft ³)	Elevation (ft)
0	0	0	0	879.80
1	1.27	0.64	12	880.18
2	2.55	1.72	63.00	880.54
3	3.82	2.19	136.00	880.82
4	5.09	2.62	260.00	881.13
5	6.37	2.99	435.00	881.44
6	7.64	3.32	666.00	881.76
7	8.91	3.63	955.00	882.08
8	10.19	4	1,299.00	882.40
9	11.46	4.88	1,682.00	882.70
10	12.74	5.55	2,095.00	883.01
11	14.01	6.1	2,548.00	883.34
12	15.28	6.62	3,045.00	883.68
13	15.79	7.11	3,565.00	884.05
14	15.79	7.57	4,072.00	884.42
15	15.79	8	4,553.00	884.80
16	14.52	8.42	4,969.00	885.19
17	13.25	8.79	5,286.00	885.55
18	11.97	9.11	5,505.00	885.87
19	10.7	9.33	5,632.00	886.11
20	9.42	9.42	5,673.00	886.20
21	8.15	9.34	5,638.00	886.12
22	6.88	9.15	5,534.00	885.92
23	5.6	8.9	5,366.00	885.66
24	4.33	8.61	5,139.00	885.37
25	3.06	8.3	4,853.00	885.07
26	1.78	7.96	4,511.00	884.77
27	0.51	7.6	4,113.00	884.45
28	0	7.22	3,683.00	884.14
29	0	6.83	3,262.00	883.84
30	0	6.44	2,864.00	883.56
31	0	6.04	2,489.00	883.29
32	0	5.61	2,140.00	883.04
33	0	5.15	1,817.00	882.81
34	0	4.49	1,528.00	882.58
35	0	3.96	1,274.00	882.37
36	0	3.71	1,044.00	882.17
37	0	3.5	828.00	881.95
38	0	3.27	625.00	881.71
39	0	2.99	437.00	881.44
40	0	2.64	268.00	881.14
41	0	2.14	125.00	880.78
42	0	1.01	23.00	880.29
43	0	0	0.00	879.80
44	0	0	0.00	879.80
45	0	0	0.00	879.80



LEGEND

- SS - PROPOSED SANITARY SEWER LINE
- W - PROPOSED WATER LINE
- UGE - PROPOSED UNDERGROUND ELECTRIC LINE
- UGT - PROPOSED UNDERGROUND COMMUNICATION LINE
- SS - PROPOSED STORM SEWER
- GAS - PROPOSED GAS LINE
- AIR - PROPOSED AIR LINE
- SS - EXISTING SANITARY SEWER LINE
- W - EXISTING WATER LINE
- GAS - EXISTING GAS LINE
- CHE - EXISTING OVERHEAD ELECTRIC LINE
- - PROPERTY LINE

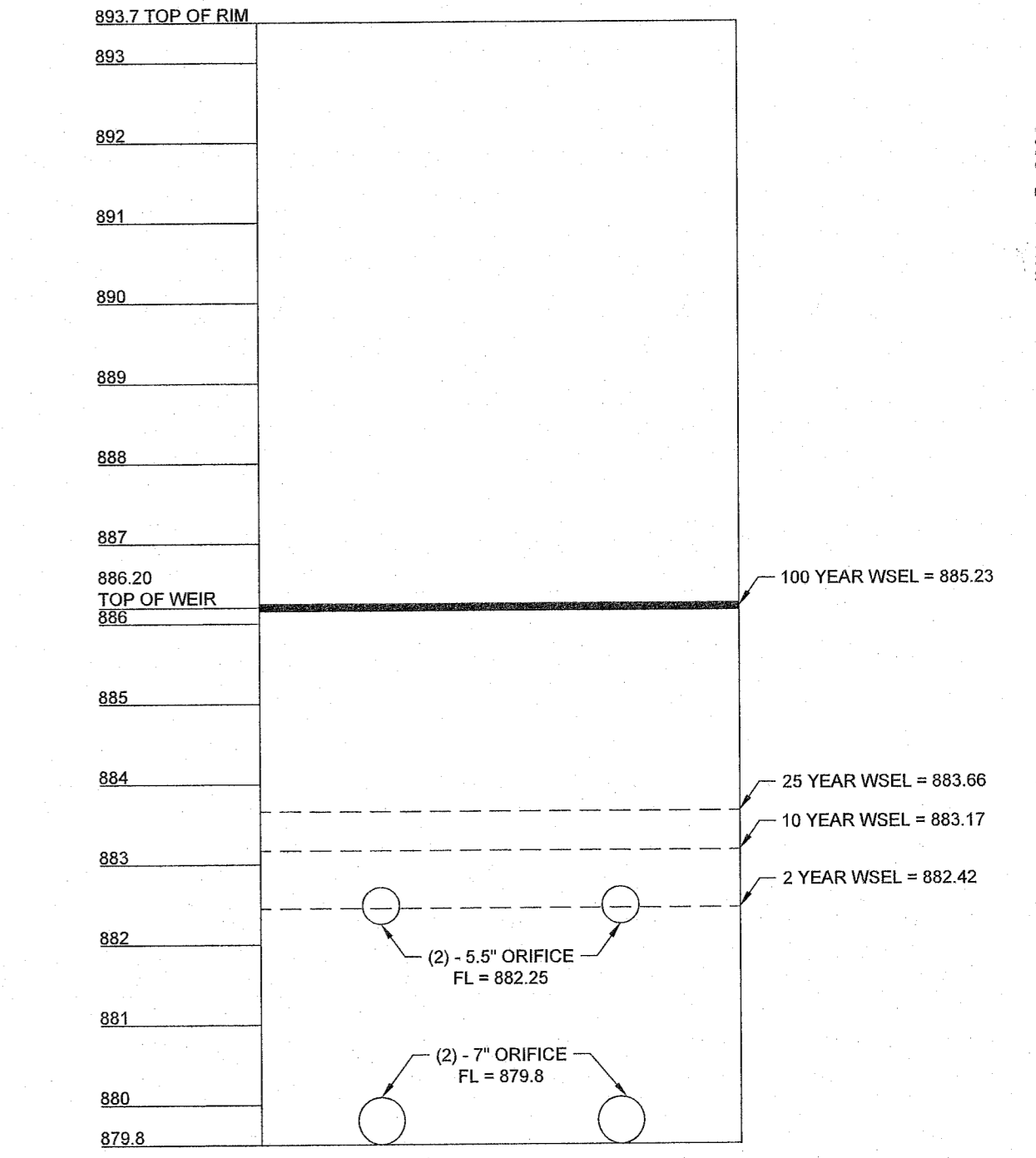
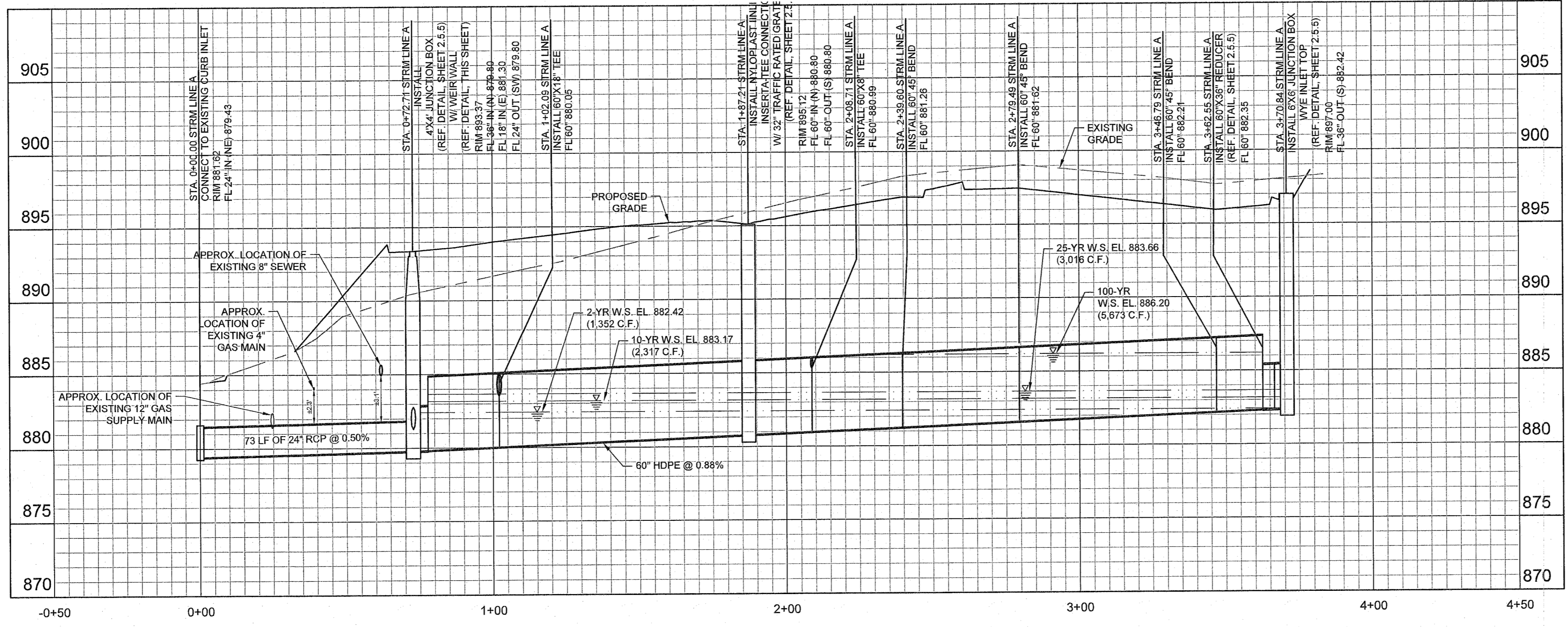
- NOTES**
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE UNLESS NOTED OTHERWISE.
 - REFERENCE STORM SEWER NOTES ON SHEET 2.5.1 FOR PIPE MATERIAL REQUIREMENTS.
 - CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF FIELD CONDITIONS VARY.
 - REFERENCE SHEET C7.4 FOR STORM SEWER DETAILS.
 - REFERENCE ARCHITECTURAL PLANS FOR ROOF DRAIN DETAILS.
 - ALL PROPOSED STORM SEWER PIPE JOINTS AND JUNCTION BOX STRUCTURE CONNECTIONS TO BE WATER TIGHT.
 - ALL STORM SEWER CLEANOUTS TO HAVE TRAFFIC RATED CAPS.
 - ALL STORM CONNECTIONS, FITTINGS, AND STRUCTURES SHALL BE WATER TIGHT.

OUTFALL CALCULATIONS

ORIFICE EQUATION
 $Q = CA(2gh)^{0.5}$
 C=0.60

7" ORIFICE: A = 0.27 FT², h_{weir} = 0.11 FT, Q_{weir} = 3.22 CFS
 5.5" ORIFICE: A = 0.16 FT², h_{weir} = 3.72 FT, Q_{weir} = 1.49 CFS
 (2) - Q_{weir} = 6.44 CFS (2) - Q_{weir} = 2.98 CFS

PROFILE SCALE
 1" = 30' HORIZONTAL
 1" = 6' VERTICAL



BENCHMARK LIST

BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.00 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 896.34 FEET. (AS SHOWN)

UTILITY CROSSING

STORM DRAIN	SANITARY SEWER
PR. 18: ±883.7	PR. 6": ±889.4

CAUTION!
 EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

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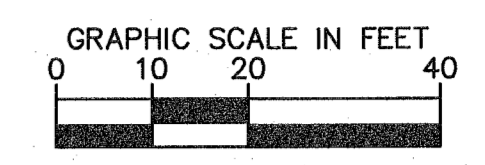
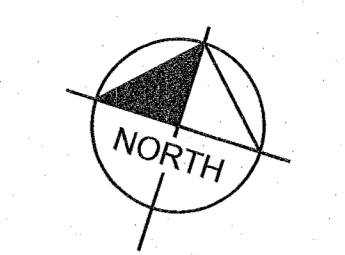
STORM SEWER AND DETENTION PLAN

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 10101 REUNION PLACE, SUITE 400, SAN ANTONIO, TX 78216
 PHONE 214-545-1500 FAX 214-545-1502
 WWW.KIMLEY-HORN.COM TYPE: P&I NO. 028

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
 JOB NO: 068695010
 DRAWN BY: MJG
 SHEET NUMBER: 2.3.4

Printed By: Getto, Matthew June 15, 2022 12:18:05pm K:\SNA_Civil\068695010-KFC-Dugas_CAD\PlanSheets\C-STRM-068695010.dwg
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LEGEND

	CE CONSTRUCTION ENTRANCE (REF. DETAIL, SHEET 2.4.2)
	PS PERMANENT STABILIZATION
	SF SILT FENCE (REF. DETAIL, SHEET 2.4.2)
	FD TRIANGULAR SEDIMENT FILTER DIKE (REF. DETAIL, SHEET 2.4.2)
	PI CURB INLET PROTECTION (REF. DETAIL, SHEET 2.4.2)
	PA AREA INLET PROTECTION (REF. SHEET 2.4.2)
	PK TKDOT CURB INLET PROTECTION (REF. DETAIL, SHEET 2.4.2)
	510 PROPOSED CONTOURS
	-510 EXISTING CONTOURS
	LIMITS OF DISTURBED AREA
	FLOW DIRECTION
	CV CONCRETE WASHOUT PIT (REF. DETAIL, SHEET 2.4.2)
	RB ROCK BERM (REF. DETAIL, SHEET 2.4.2)

SITE DATA

TOTAL LOT AREA	2.14 AC	(93,144 SF)
TOTAL AREA DISTURBED*	1.54 AC	(67,314 SF)
PAVED AREA	1.07 AC	(46,598 SF)
ROOFED AREA	0.06 AC	(2,511 SF)
NEW LANDSCAPED AREA	0.25 AC	(10,926 SF)

* DOES NOT INCLUDE ANY OFF-SITE DISPOSAL OR BORROW AREAS - CONTRACTOR TO UPDATE AS NECESSARY DURING CONSTRUCTION.
 * NO SINGLE DRAINAGE AREA EXCEEDS 10 ACRES, THEREFORE SEDIMENTATION BASIN IS NOT REQUIRED.

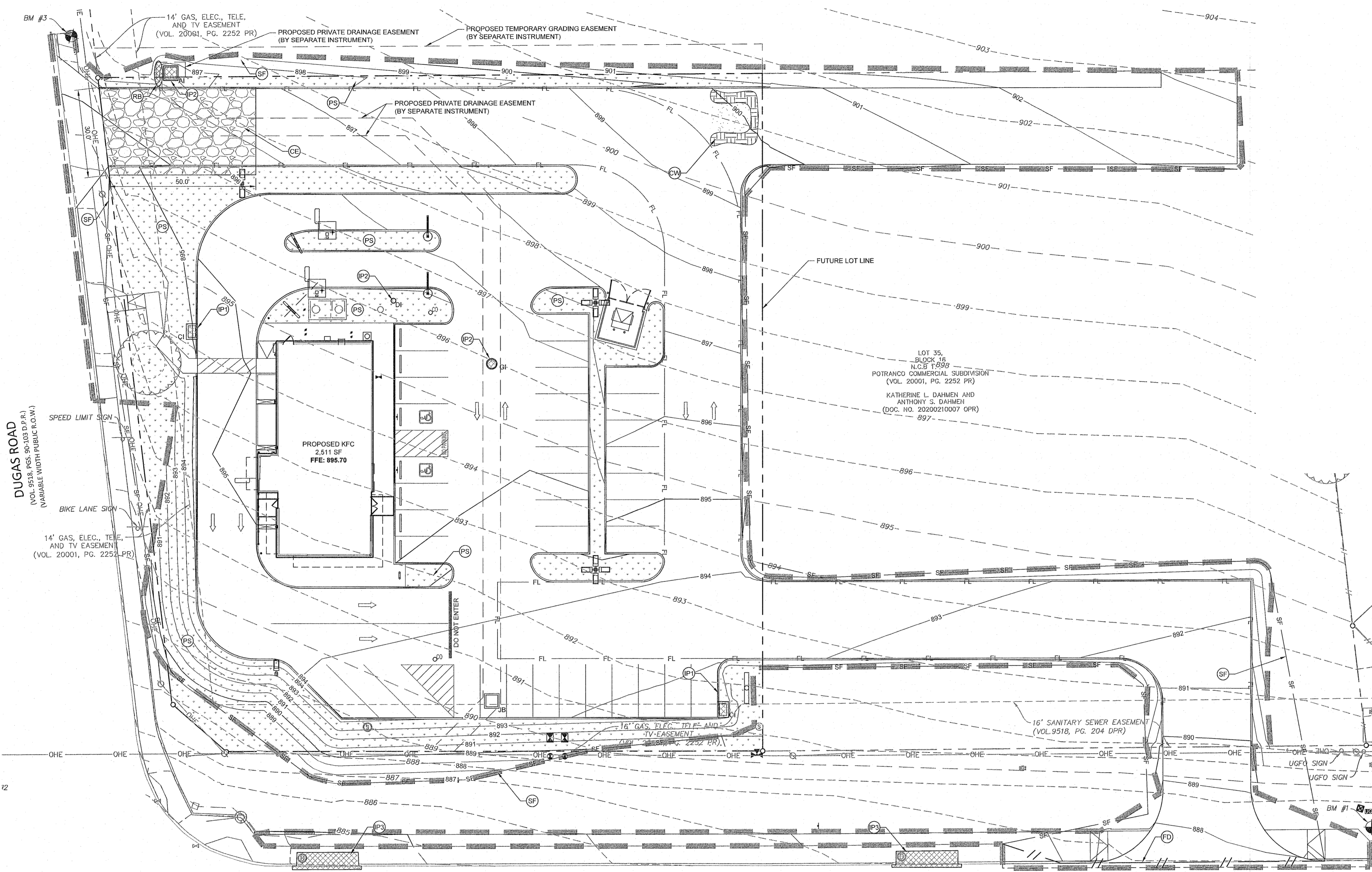
- ### SITE MAP-SITE SPECIFIC NOTES
- CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
 - THE NATURE OF THIS SITE'S CONSTRUCTION CONSISTS OF:
 - A. CLEARINGS AND GRUBBING
 - B. PRELIMINARY GRADING
 - C. UTILITY INSTALLATION
 - D. PAVEMENT CONSTRUCTION
 - E. BUILDING CONSTRUCTION
 - F. FINAL GRADING AND STABILIZATION
 - THE SUBSURFACE CONDITIONS ON-SITE GENERALLY CONSIST OF FAT TO LEAN CLAY UNDERLAIN BY MARL. PER THE GEOTECHNICAL ENGINEERING REPORT, REPORT NO. 80225074 PREPARED BY TERRACON CONSULTANTS, INC. ON APRIL 7, 2022.
 - STORM WATER ON-SITE WILL LEAVE THE SITE VIA SHEET SURFACE FLOW.
 - POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, OR LANDSCAPING.
 - DISTURBED PORTIONS OF SITE MUST BE STABILIZED. STABILIZATION PRACTICES MUST BE INITIATED WITHIN 14 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS BEEN EITHER TEMPORARILY OR PERMANENTLY CEASED, UNLESS EXCEPTED WITHIN THE PERMIT. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF STABILIZATION OR PERMANENT DRAINAGE FACILITIES.
 - ACCORDING TO FEMA'S MAP SERVICE CENTER, THE SITE IS LOCATED IN ZONE "X" DESIGNATED FLOODPLAIN PER FIRM NUMBER 4802803600, EFFECTIVE ON 09/29/2010.
 - CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP/SITE MAP TO INCLUDE BMP'S FOR ANY OFF-SITE MATERIAL WASTE, BORROW OR EQUIPMENT STORAGE AREAS.
 - CONTRACTOR SHALL INSPECT DISTURBED AREAS, MATERIAL STORAGE AREAS EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND VEHICLE ENTRY AND EXIT AREAS AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER.

- ### EROSION CONTROL SCHEDULE AND SEQUENCING
- | | |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| I. ROUGH GRADING/DEMOLITION | CONSTRUCTION ENTRANCE/EXIT AND SILT FENCE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING AND DEMOLITION, AS NEEDED. |
| II. UTILITY INSTALLATION | ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION. |
| III. PAVING | ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT. |
| IV. FINAL GRADING/ SOIL STABILIZATION/ LANDSCAPING | ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE CITY OR COUNTY. |

BENCHMARK LIST

BM #1:	1/2" IRON ROD WITH RED TRAVERSE CAP. ELEVATION = 888.60 FEET. (AS SHOWN)
BM #2:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 882.78 FEET. (AS SHOWN)
BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 896.34 FEET. (AS SHOWN)

CAUTION!
 EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.



POTRANCO ROAD
 (120-FOOT PUBLIC R.O.W.)

- ### NOTES
- AREAS CONTAINED WITHIN THE PROPERTY BOUNDARIES WILL BE AREAS OF DISTURBANCE AND SOIL STABILIZATION. ALL SOILS WITHIN THESE LIMITS SHALL BE STABILIZED BY VEGETATION OR STRUCTURE.
 - ALL CONSTRUCTION-RELATED VEHICLES MUST PARK INSIDE THE LIMITS OF CONSTRUCTION AND SERVED BY APPROPRIATE TEMPORARY CONTROLS, OR ON CITY-APPROVED SURFACES OUTSIDE THE LIMITS OF CONSTRUCTION.
 - CONTRACTOR SHALL REMOVE ALL SEDIMENT AND DEBRIS FROM CONSTRUCTED STORM SEWER SYSTEM UPON COMPLETION OF WORK.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO USE WHATEVER MEANS ARE NECESSARY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS, STORM DRAIN SYSTEMS AND INLETS FROM EROSION DEPOSITS. THE CONTRACTOR RESPONSIBLE FOR MAINTAINING EROSION CONTROL SHALL PROVIDE STREET CLEANING ON PUBLIC STREETS IF ANY EARTH MATERIAL IS TRANSPORTED FROM THE CONSTRUCTION SITE AT THE END OF EACH DAY. EARTH MATERIAL SHALL NOT BE ALLOWED TO ACCUMULATE ON CITY AND TXDOT ROADS.

- ### SITE MAP-GENERAL NOTES
- CONTRACTOR IS SOLELY RESPONSIBLE FOR SELECTION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
 - CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
 - DRAINAGE PATTERNS ARE SHOWN ON THIS PLAN BY PROPOSED AND EXISTING CONTOURS, FLOW ARROWS, AND SLOPES.
 - TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
 - BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE, SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
 - SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM.

Plotted By: Getto, Matthew June 15, 2022 12:19:13pm. K:\SMA_Civil\068695010-KFC_Dugas_CAD\Drawings\C-EROS-068695010.dwg
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 SAN ANTONIO, TX 78216

Charles William Pope & Associates
 ENGINEER
 9/15/2022

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EROSION CONTROL PLAN

KFC Dugas
 9639 Potranco Rd., San Antonio, Tx. 78251

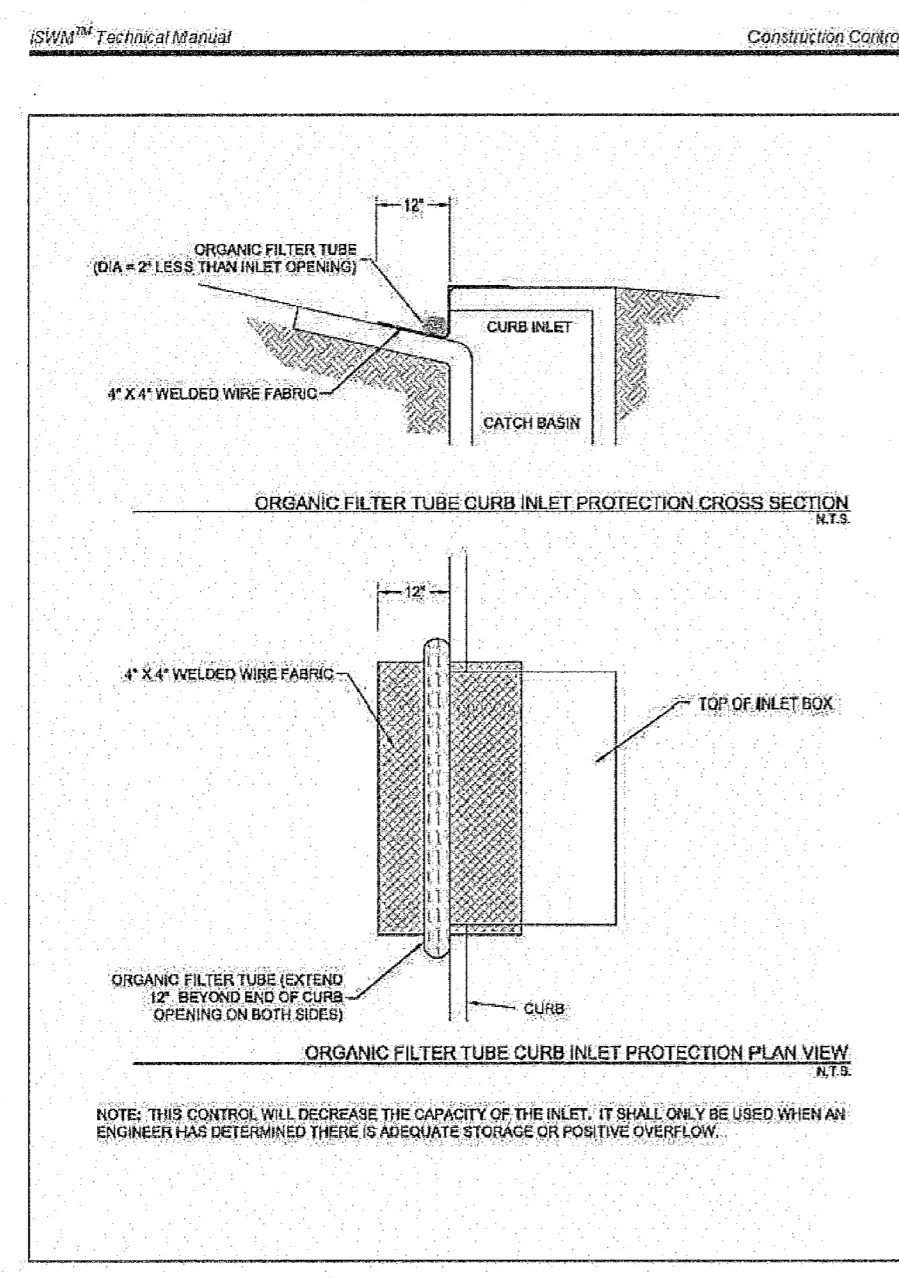


Figure 3.6 Schematics of Organic Filter Tube Curb Inlet Protection
 (Source: Modified from City of Plano BMP BP-4)
 SWM Protection Revised 04/10 CC-90

CURB INLET PROTECTION DETAIL
 TO BE LOCATED AT (IP1) SYMBOL

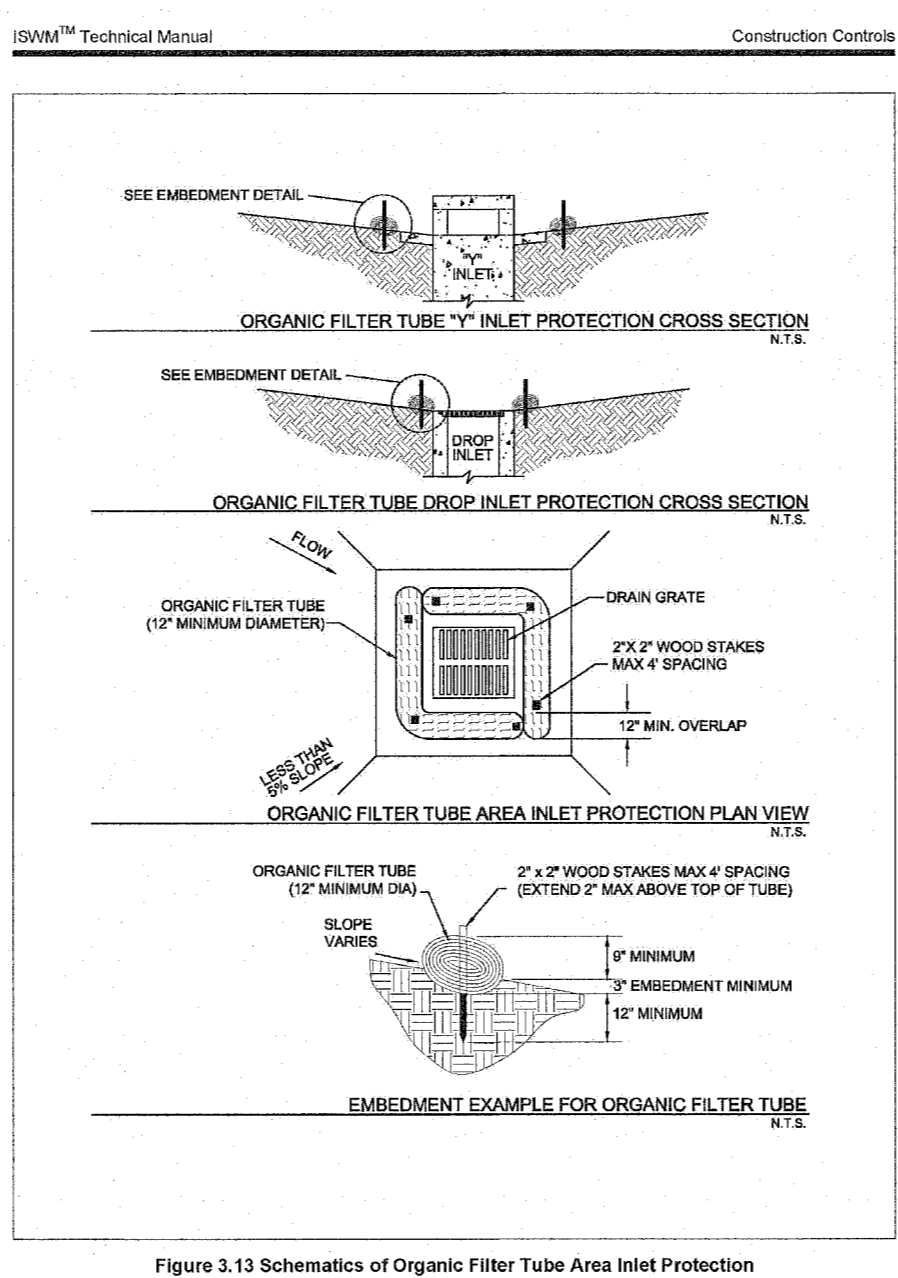
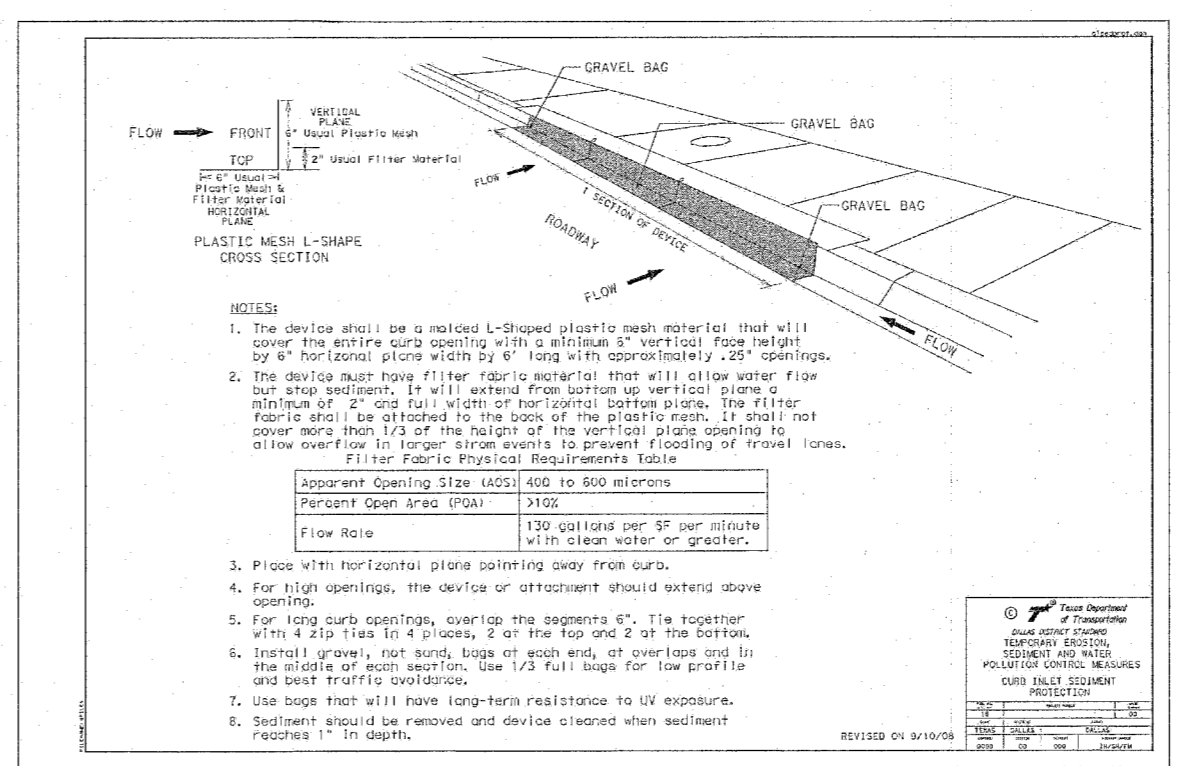


Figure 3.13 Schematics of Organic Filter Tube Area Inlet Protection
 Inlet Protection Revised 04/10 CC-95

AREA INLET PROTECTION DETAIL
 TO BE LOCATED AT (IP2) SYMBOL



TXDOT CURB INLET PROTECTION DETAIL
 TO BE LOCATED AT (IP3) SYMBOL

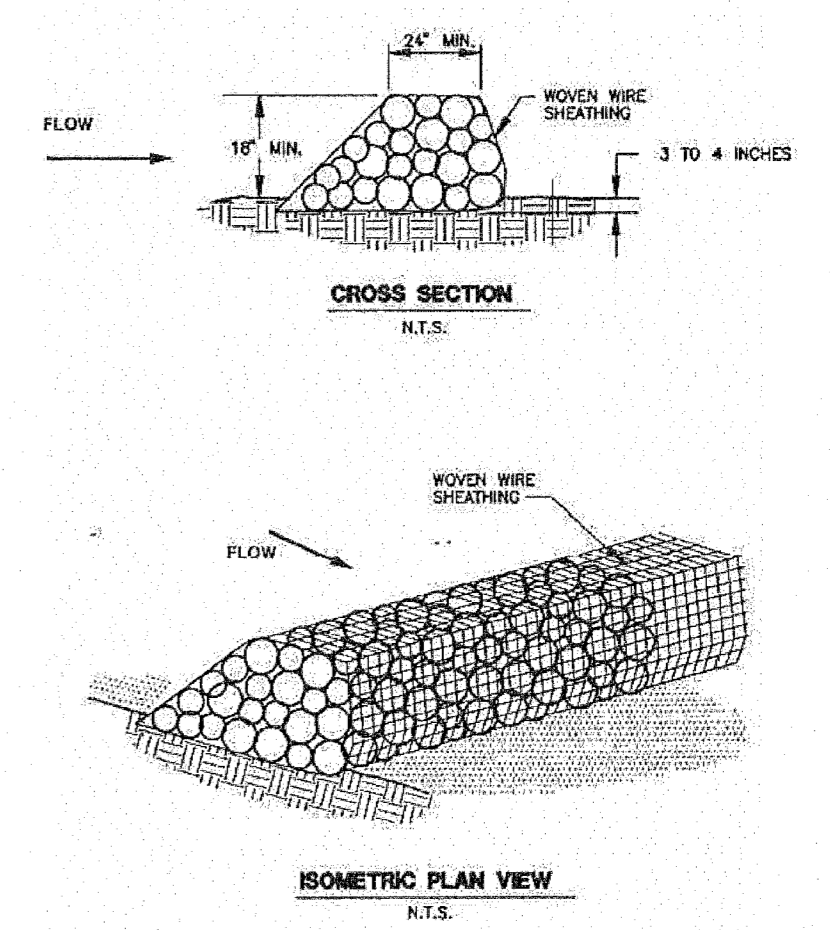


Figure 1-25 Schematic Diagram of a Rock Berm (NCTCOG, 1993)

ROCK BERM DETAIL
 TO BE LOCATED AT (RB) SYMBOL

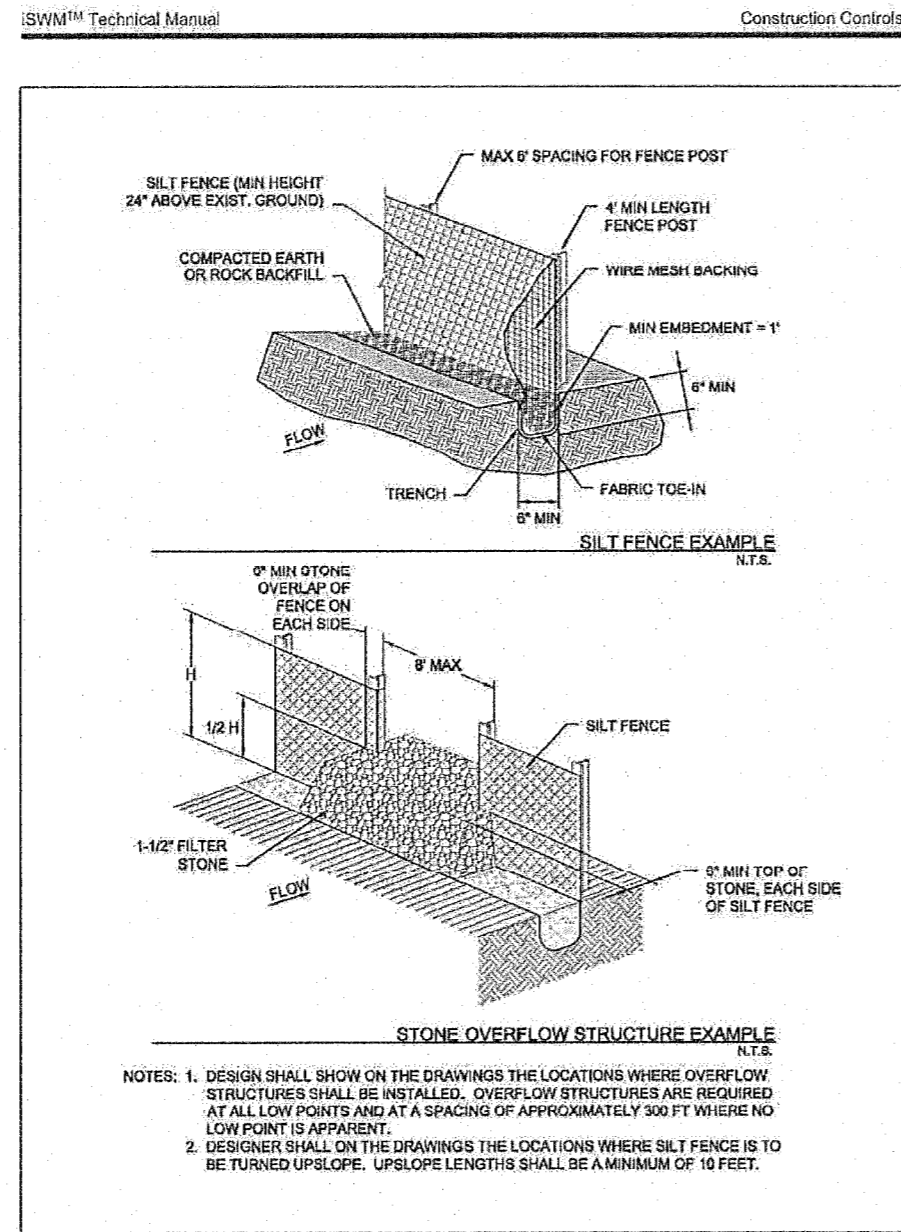


Figure 3.28 Schematics of Silt Fence
 Silt Fence April 2016, Revised 9/2014 CC-151

SILT FENCE DETAIL
 TO BE LOCATED AT (SF) SYMBOL

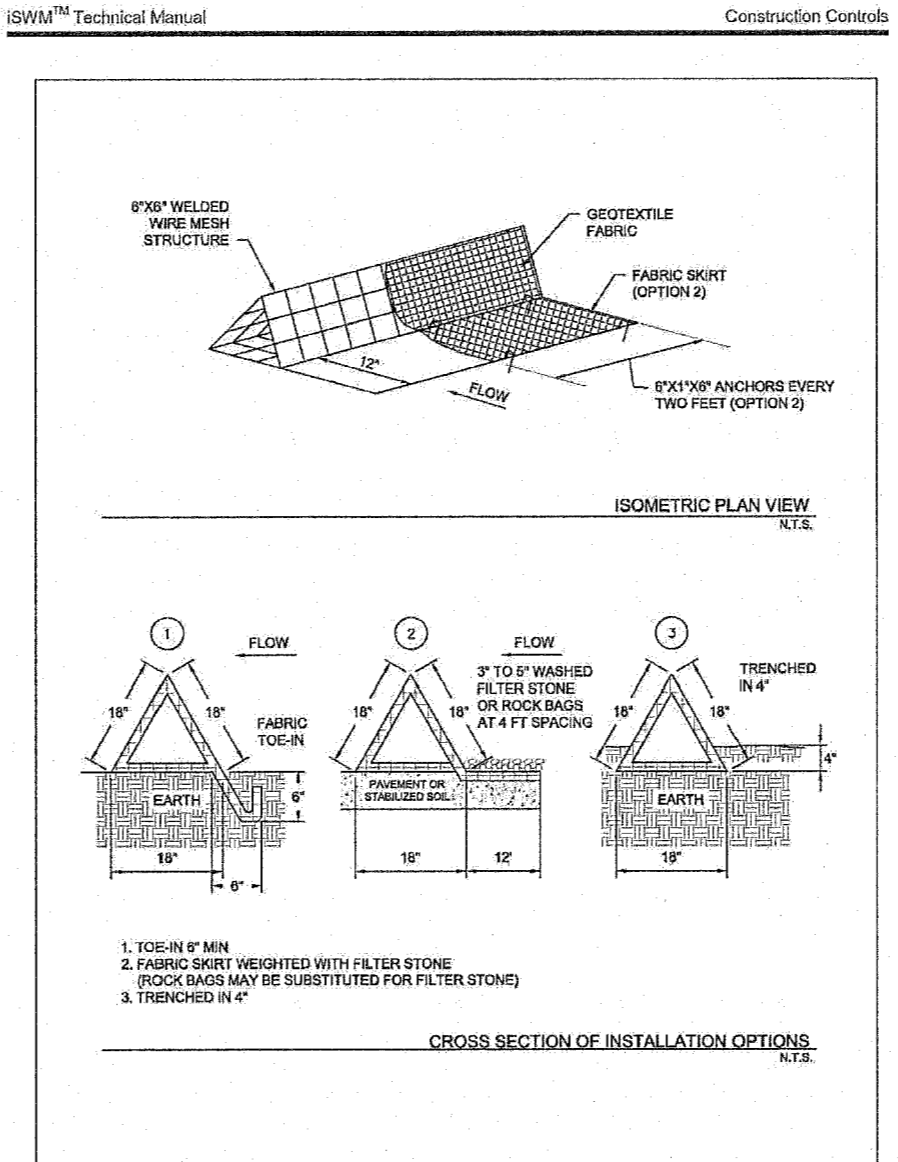


Figure 3.32 Schematics of Triangular Sediment Filter Dike
 Triangular Sediment Filter Dike Revised 04/10 CC-160

FILTER DIKE DETAIL
 TO BE LOCATED AT (FD) SYMBOL

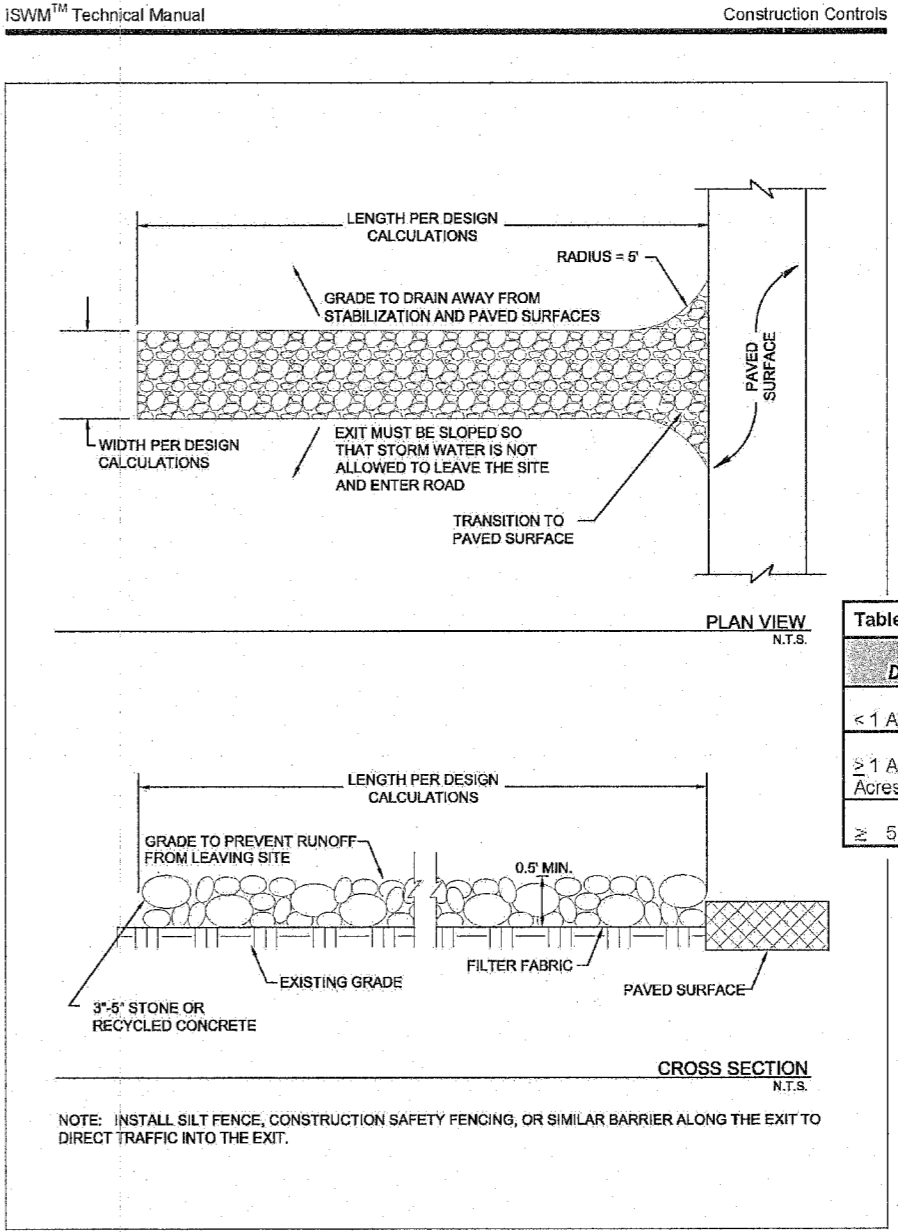


Figure 3.29 Schematics of Stabilized Construction Exit
 Stabilized Construction Exit Revised 04/10 CC-151

TEMPORARY CONSTRUCTION ENTRANCE DETAIL
 TO BE LOCATED AT (CE) SYMBOL

Table 3.9 Minimum Exit Dimensions

Disturbed Area	Min. Width of Exit	Min. Length of Exit
< 1 Acre	15 feet	20 feet
≥ 1 Acre but < 5 Acres	25 feet	50 feet
≥ 5 Acres	30 feet	60 feet

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BENCHMARK LIST

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BM #3:	MAG NAIL AND WASHER ON CONCRETE WALK. ELEVATION = 896.34 FEET. (AS SHOWN)

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REVISIONS:

EROSION CONTROL DETAILS

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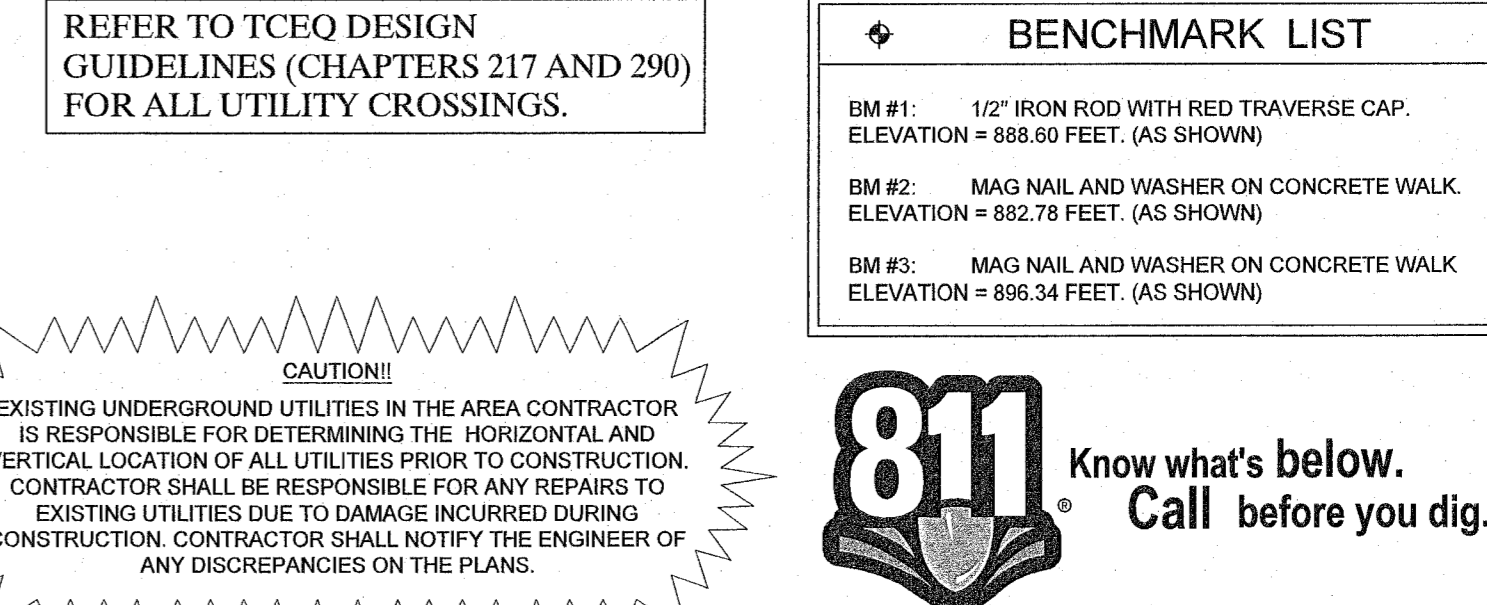
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 DRAWN BY: MJG
 SHEET NUMBER: 2.4.2

Printed By: Catto, Matthew June 15, 2022 12:19:20pm K:\SMA_Civil\068695010-FC_Dugas\CAD\Plans\Sheets\C-EROS-068695010.dwg
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GENERAL NOTES
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY OR TOWN STANDARD DETAILS AND SPECIFICATIONS...

EROSION CONTROL:
1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE...

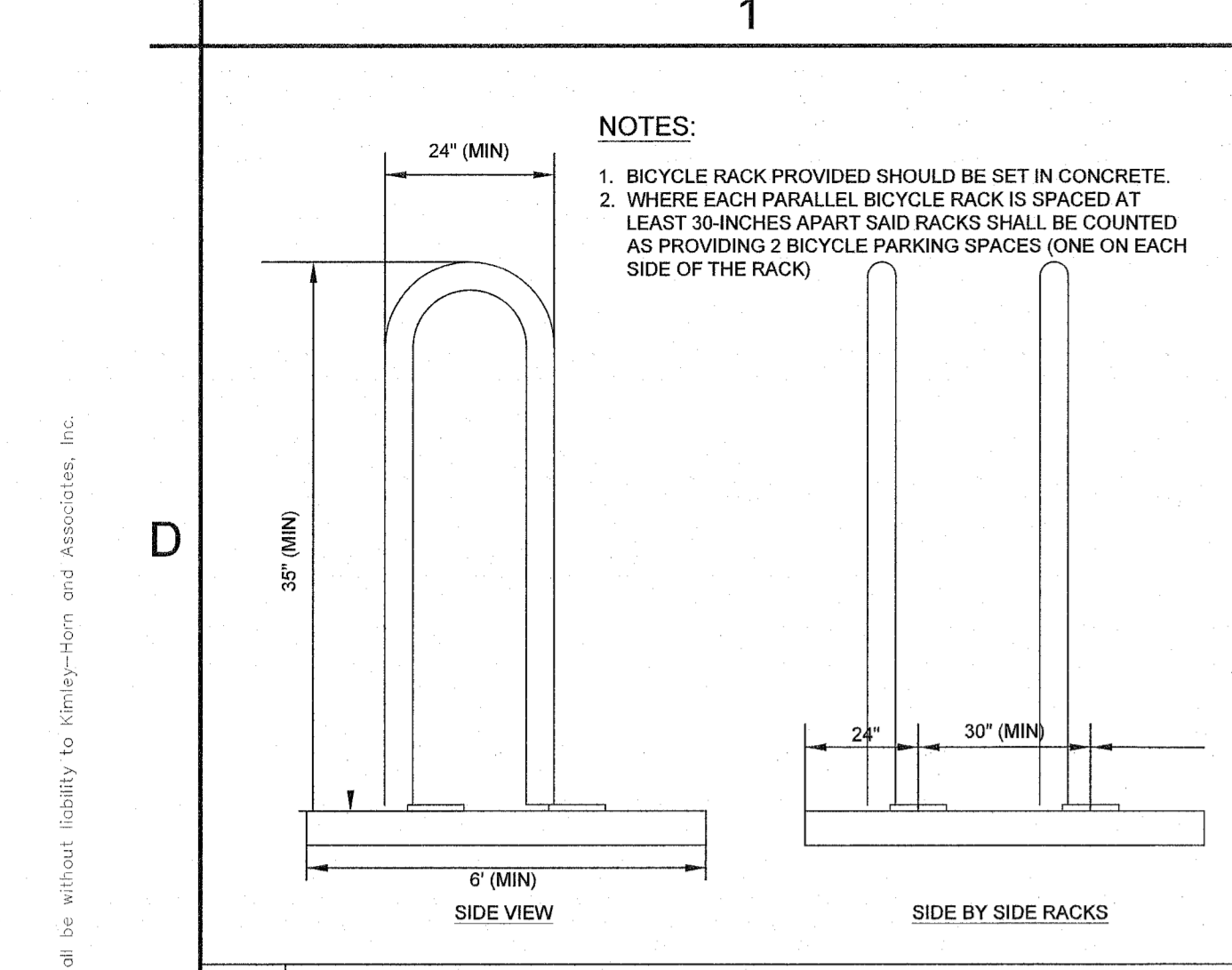
REVISIONS:
CIVIL GENERAL NOTES
Kimley»Horn
10101 REMONTE PLACE SUITE 400, SAN ANTONIO, TX 78218
WWW.KIMLEY-HORN.COM | TEBE FIRM NO. 628
JUN 15 2022
THESE PLAN AND GENERAL NOTES REFER TO:
GEO TECHNICAL ENGINEERING REPORT
TERRACON CONSULTANTS INC.
NO. 90226974
DATED APRIL 7, 2022
INCLUDING ALL REVISIONS AND ADDENDA TO THIS REPORT THAT MAY HAVE BEEN RELEASED AFTER THE NOTED DATE.
DATE: 6/15/2022
JOB NO: 068695/010
DRAWN BY: MJG
SHEET NUMBER: 2.5.1
OF



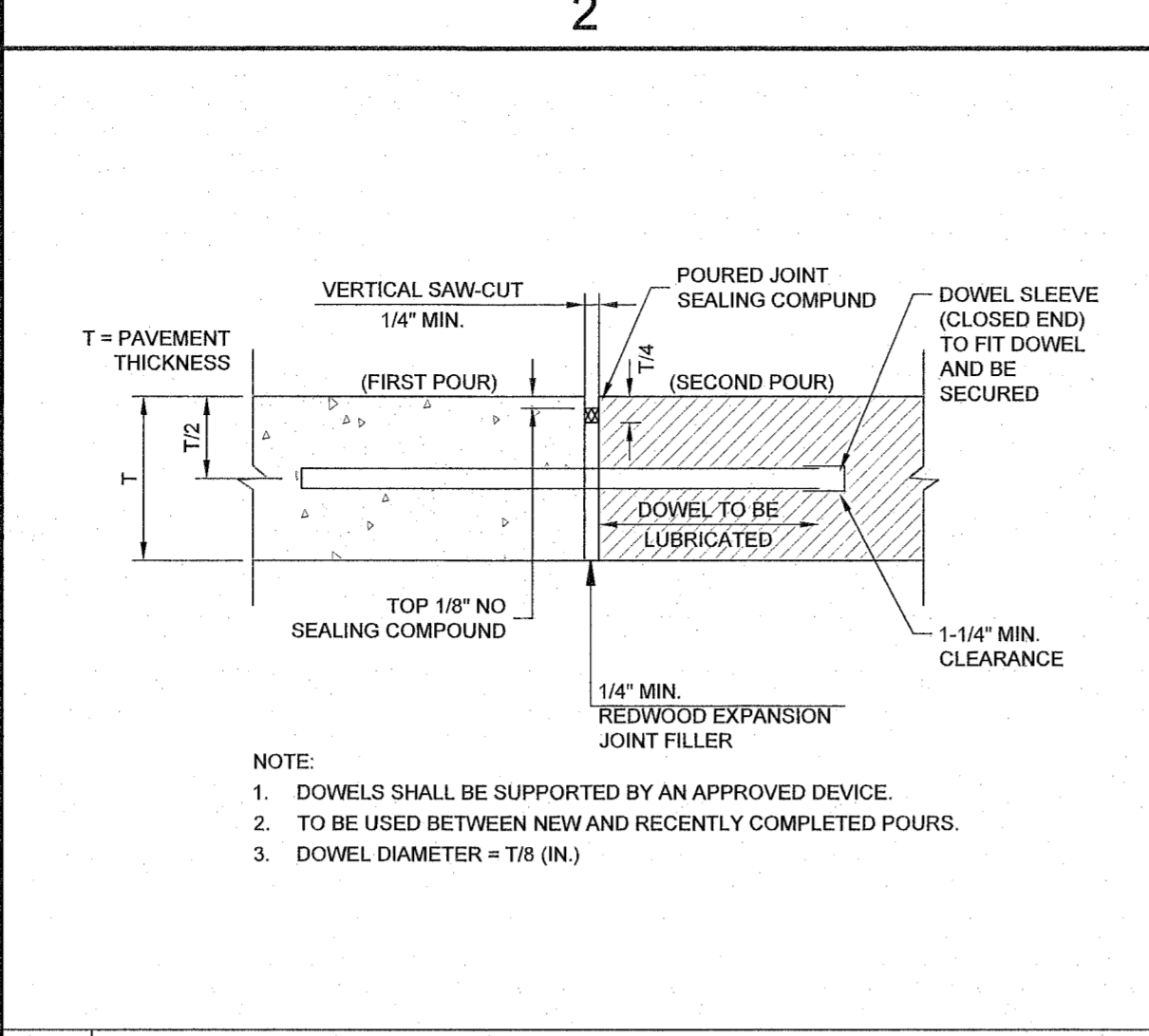
REFER TO TCEQ DESIGN GUIDELINES (CHAPTERS 217 AND 290) FOR ALL UTILITY CROSSINGS.

CAUTION!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION...

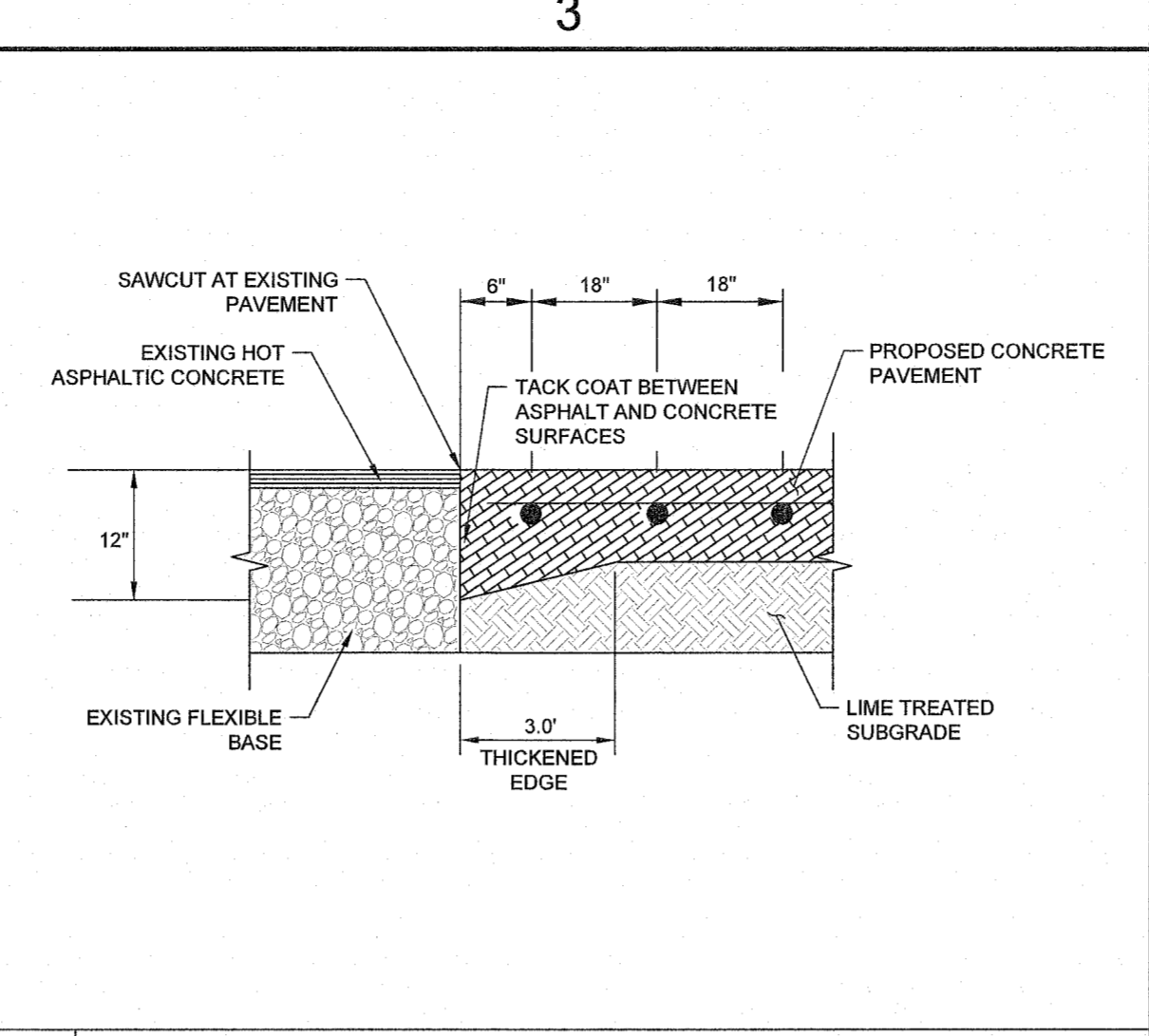
Know what's below. Call before you dig.



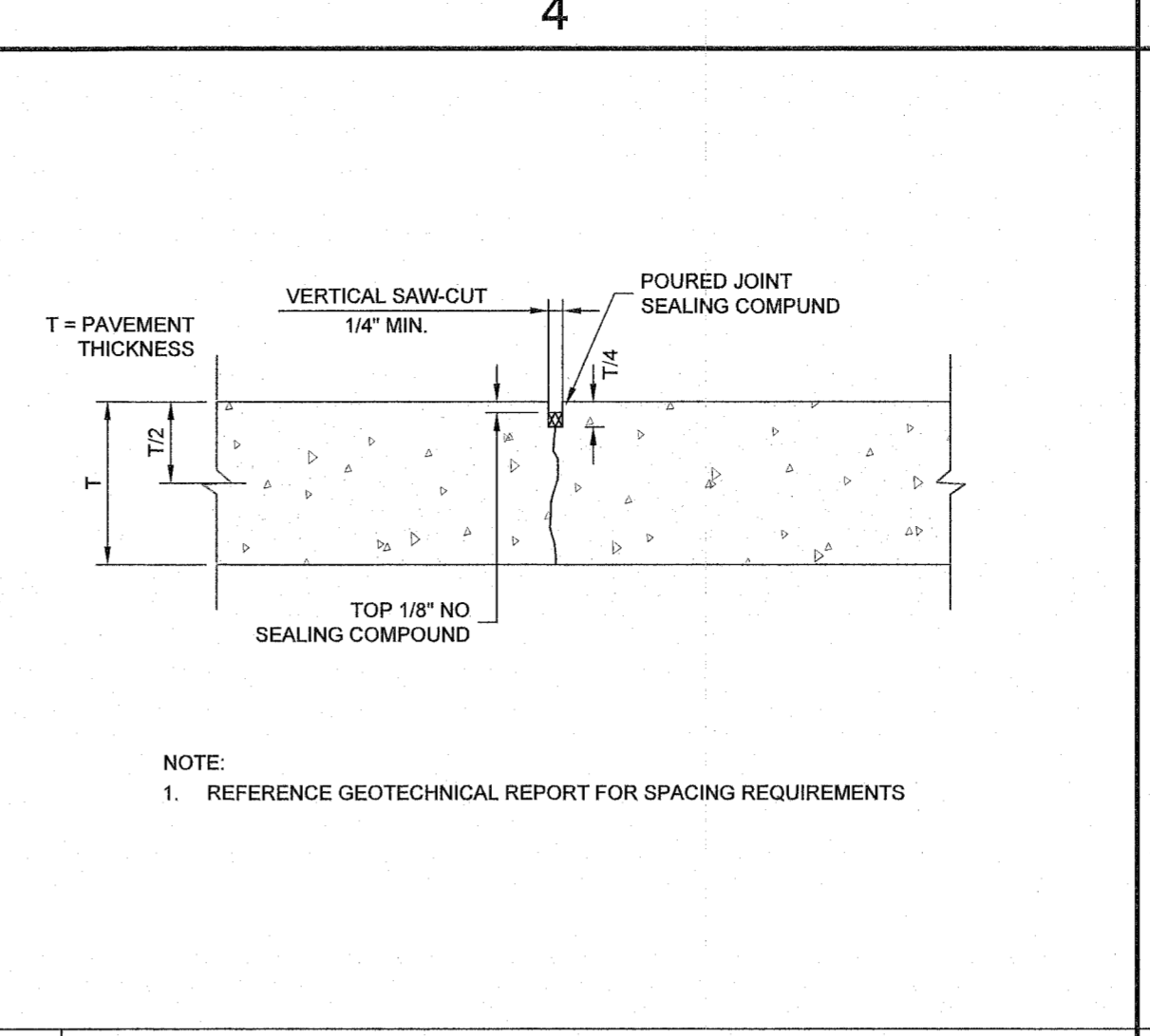
A1 BIKE RACK
N.T.S.



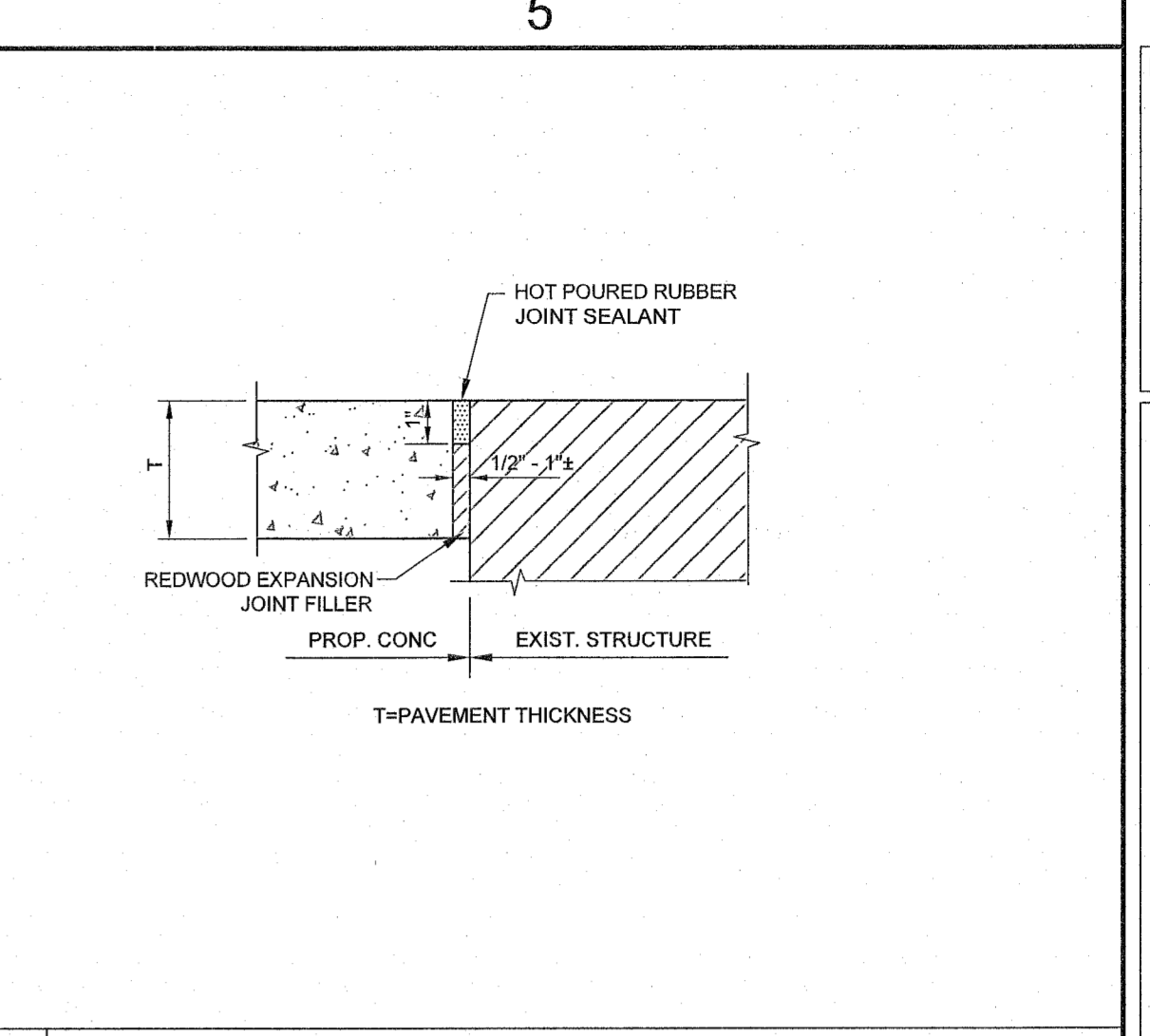
B1 CONSTRUCTION JOINT
N.T.S.



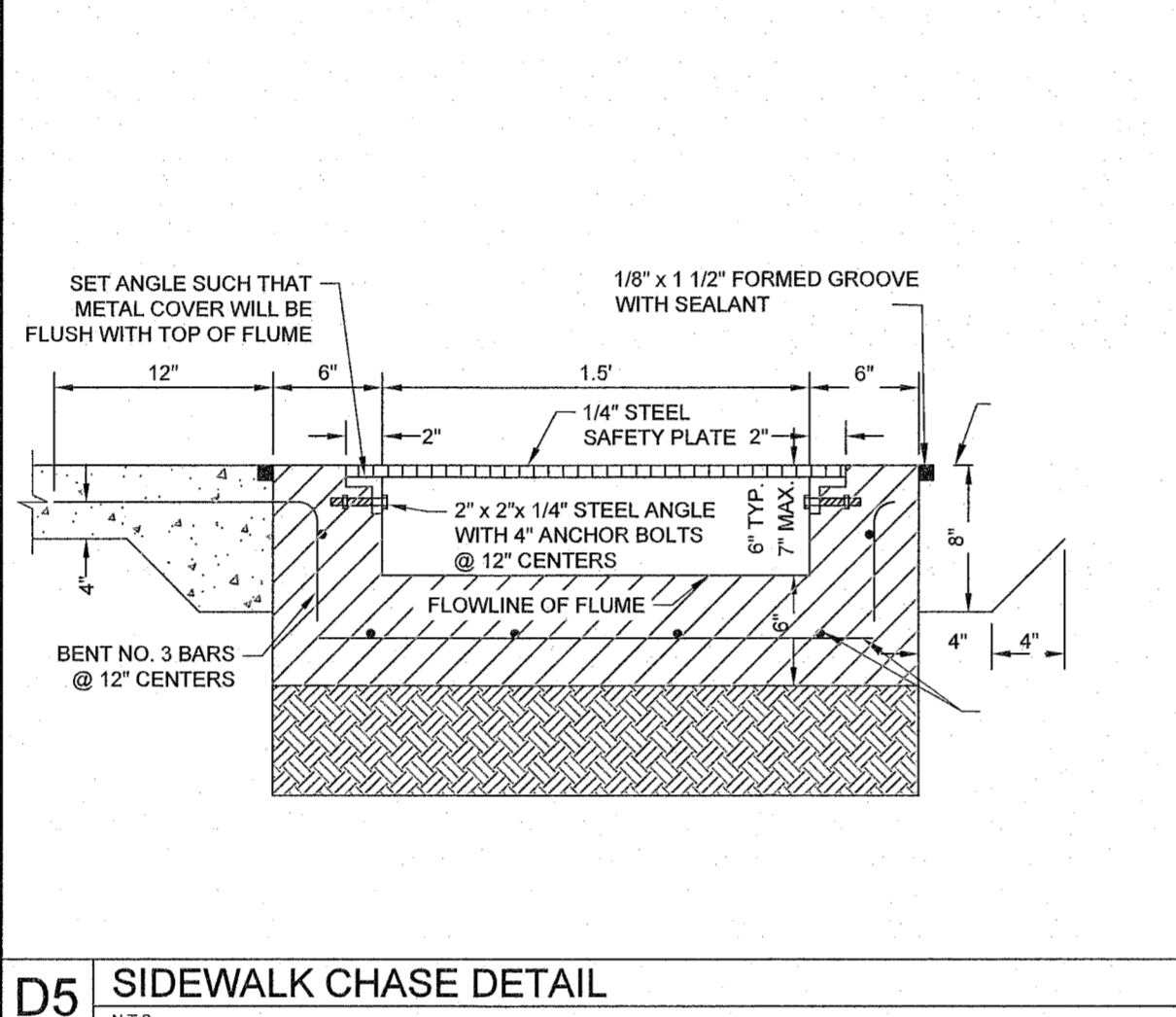
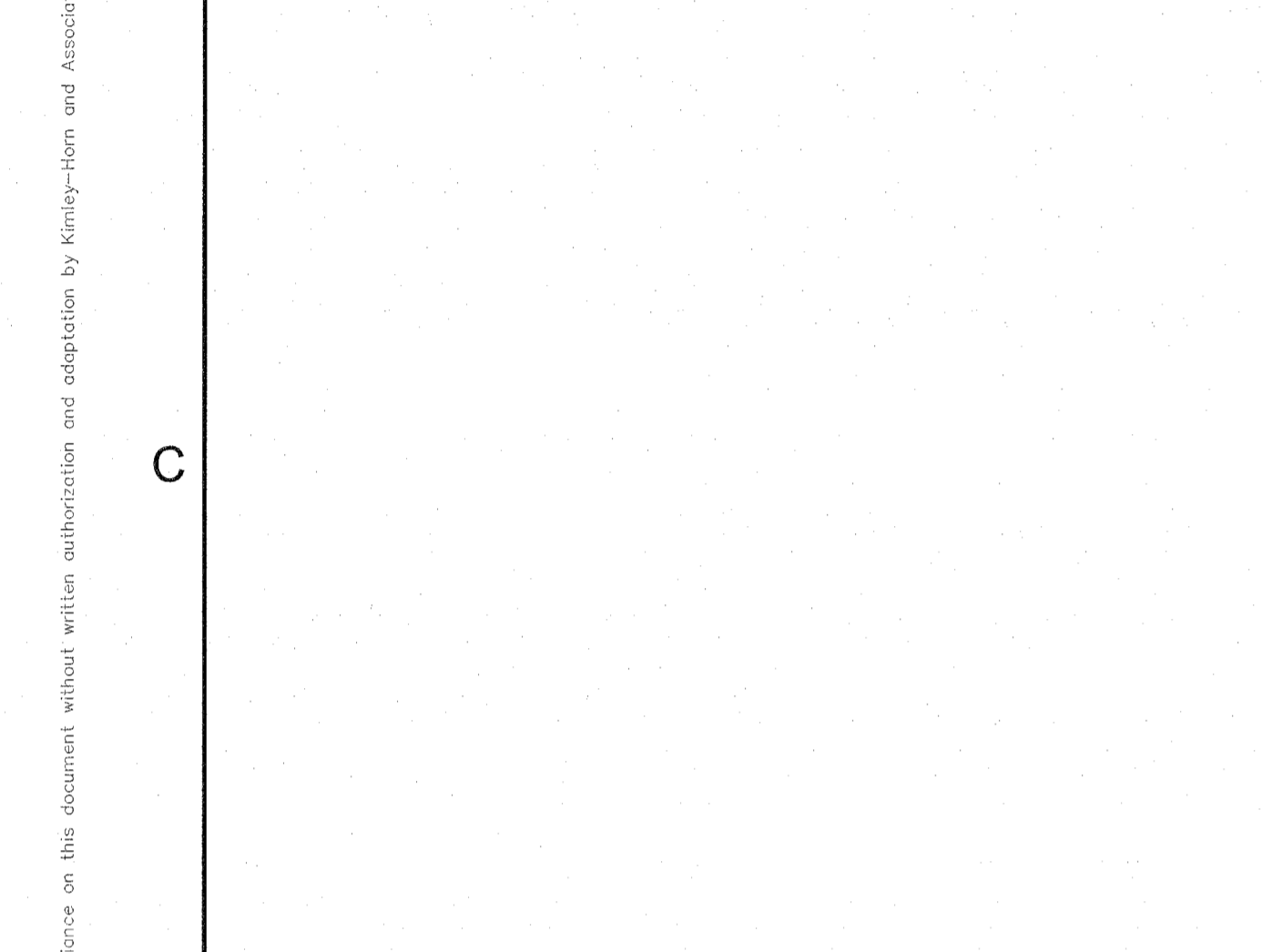
D3 CONCRETE/ASPHALT PAVEMENT JUNCTION DETAIL
N.T.S.



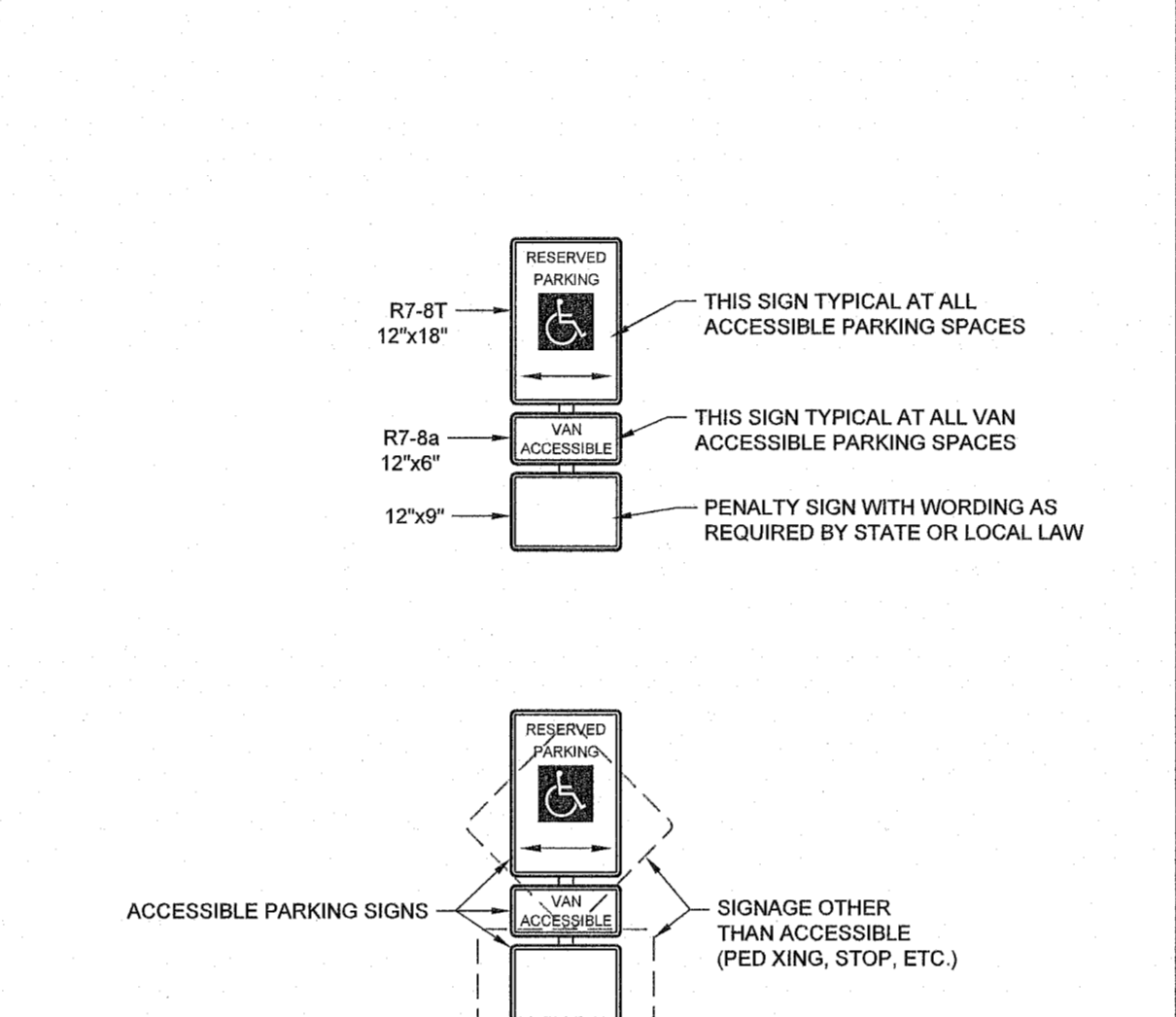
D4 CONTRACTION JOINT
N.T.S.



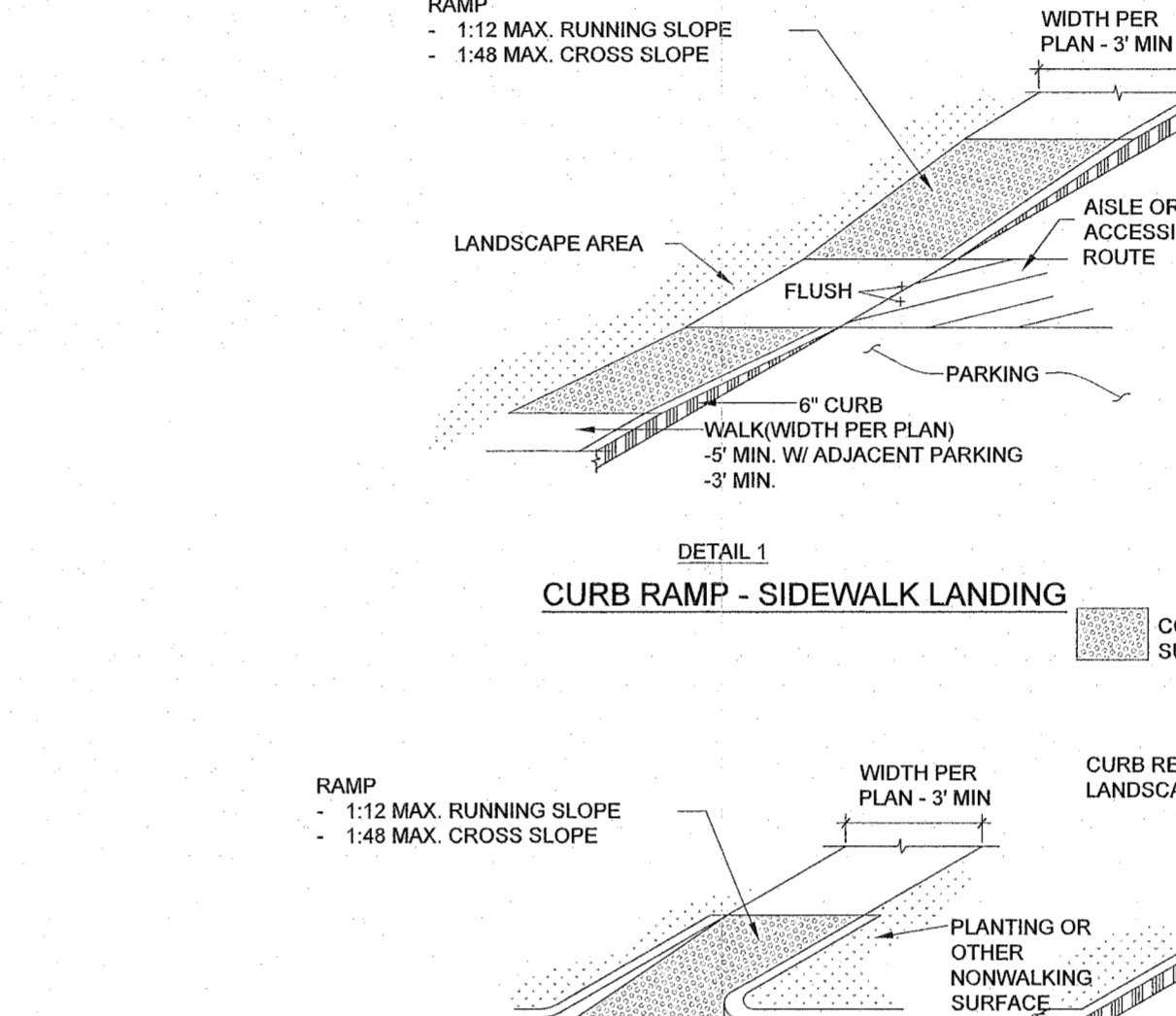
D5 ISOLATION JOINT DETAIL
N.T.S.



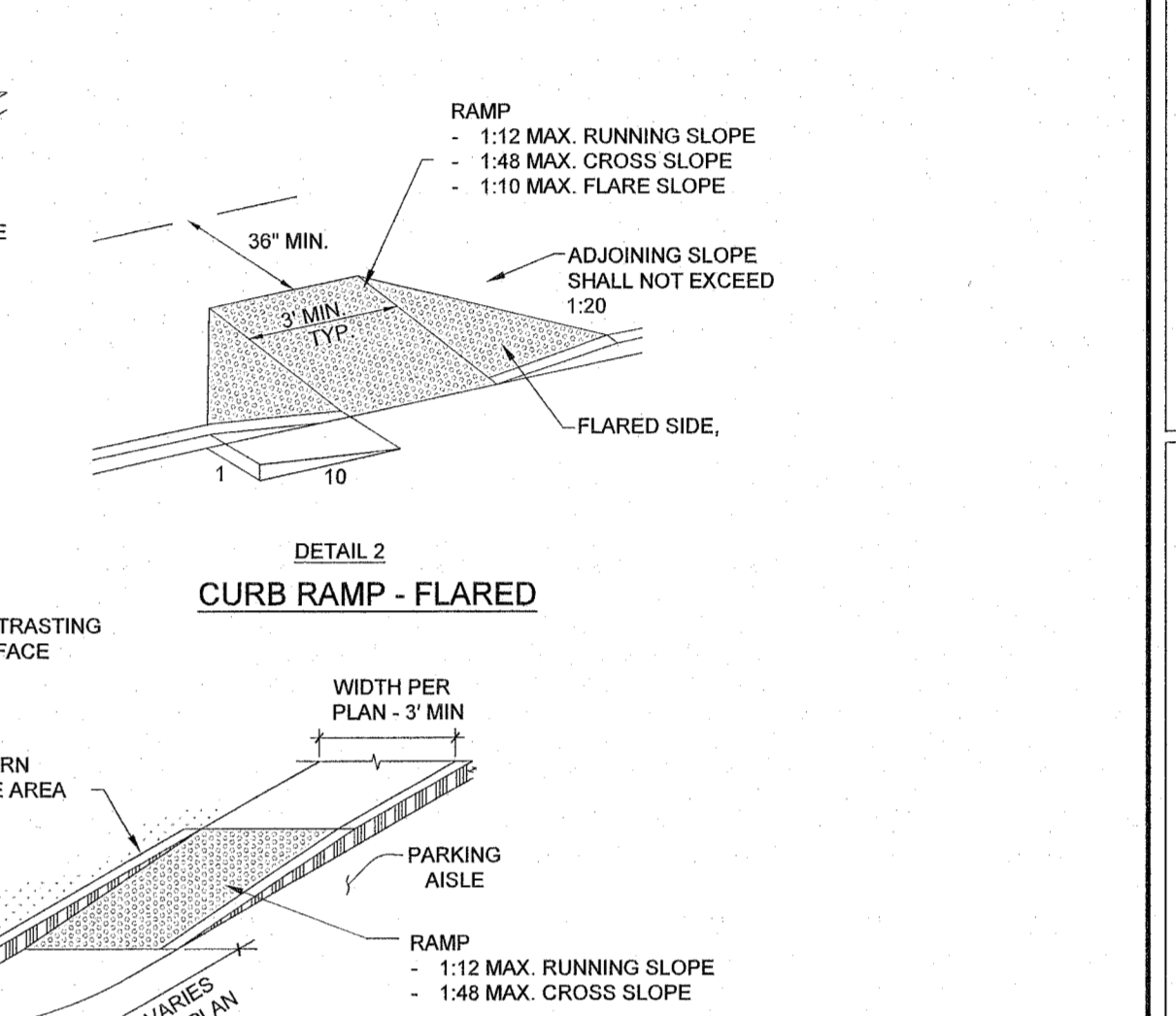
B2 CONCRETE WHEEL STOP
N.T.S.



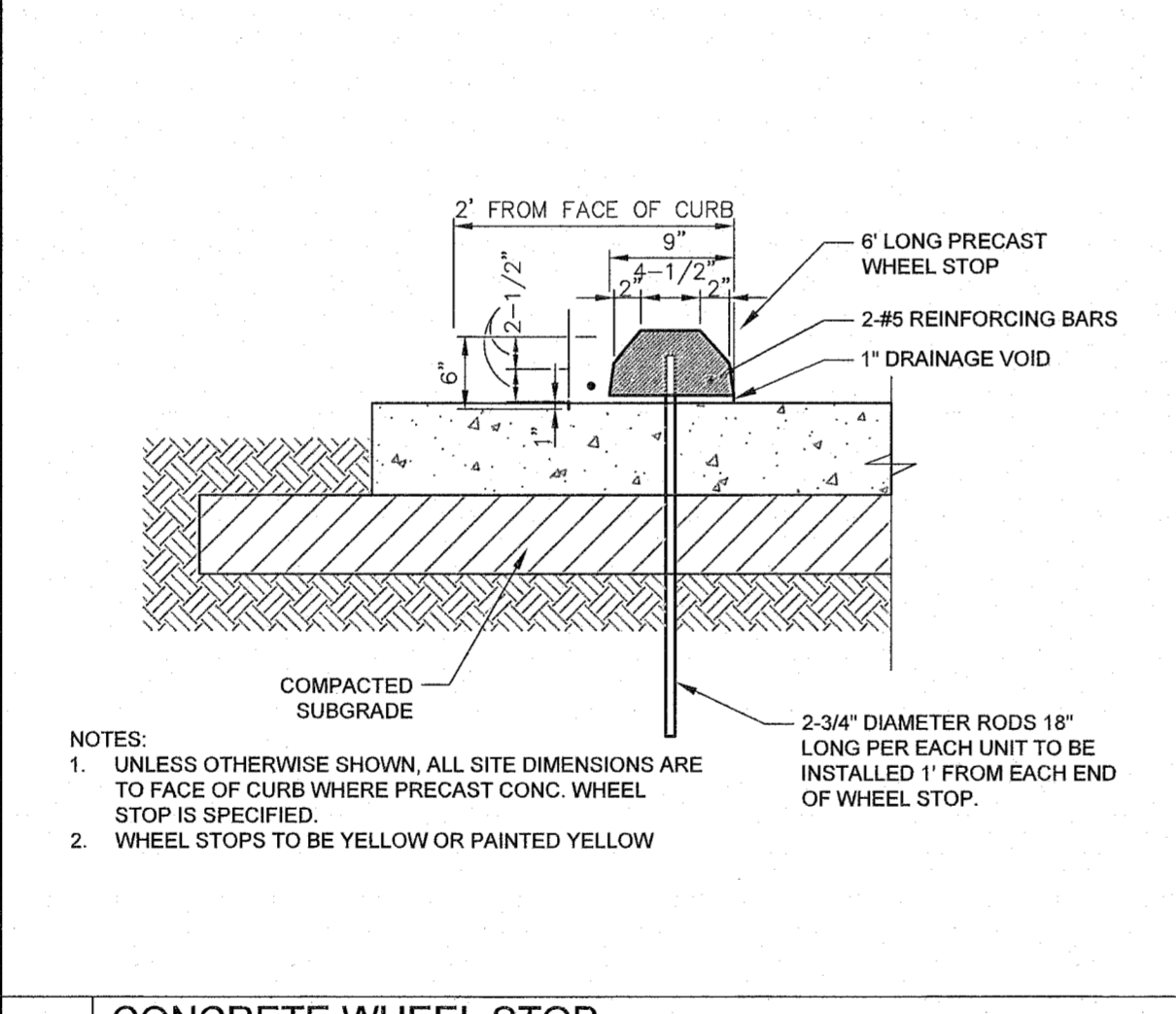
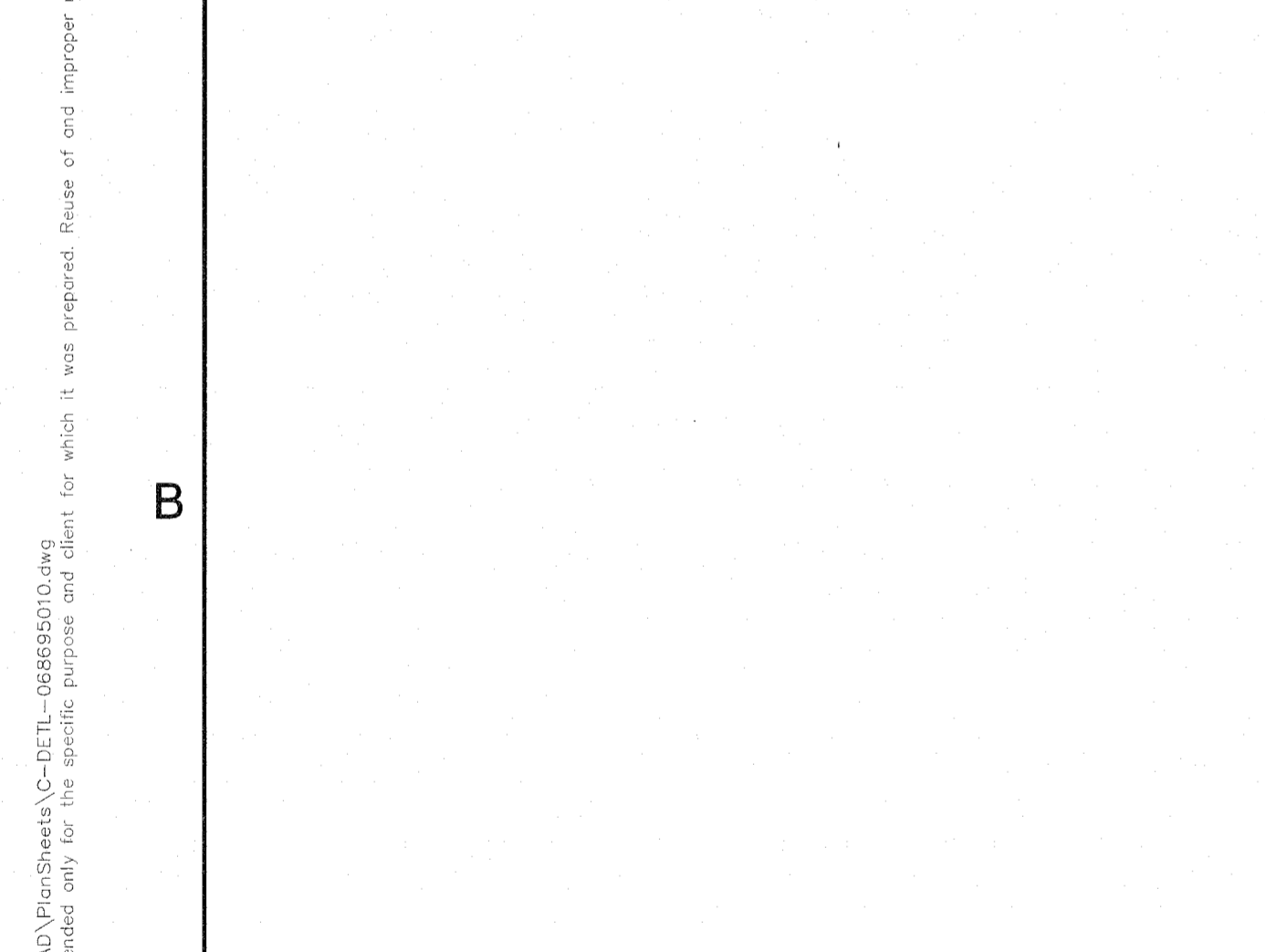
B3 SIGN BASE & ACCESSIBLE PARKING SIGN DETAIL
N.T.S.



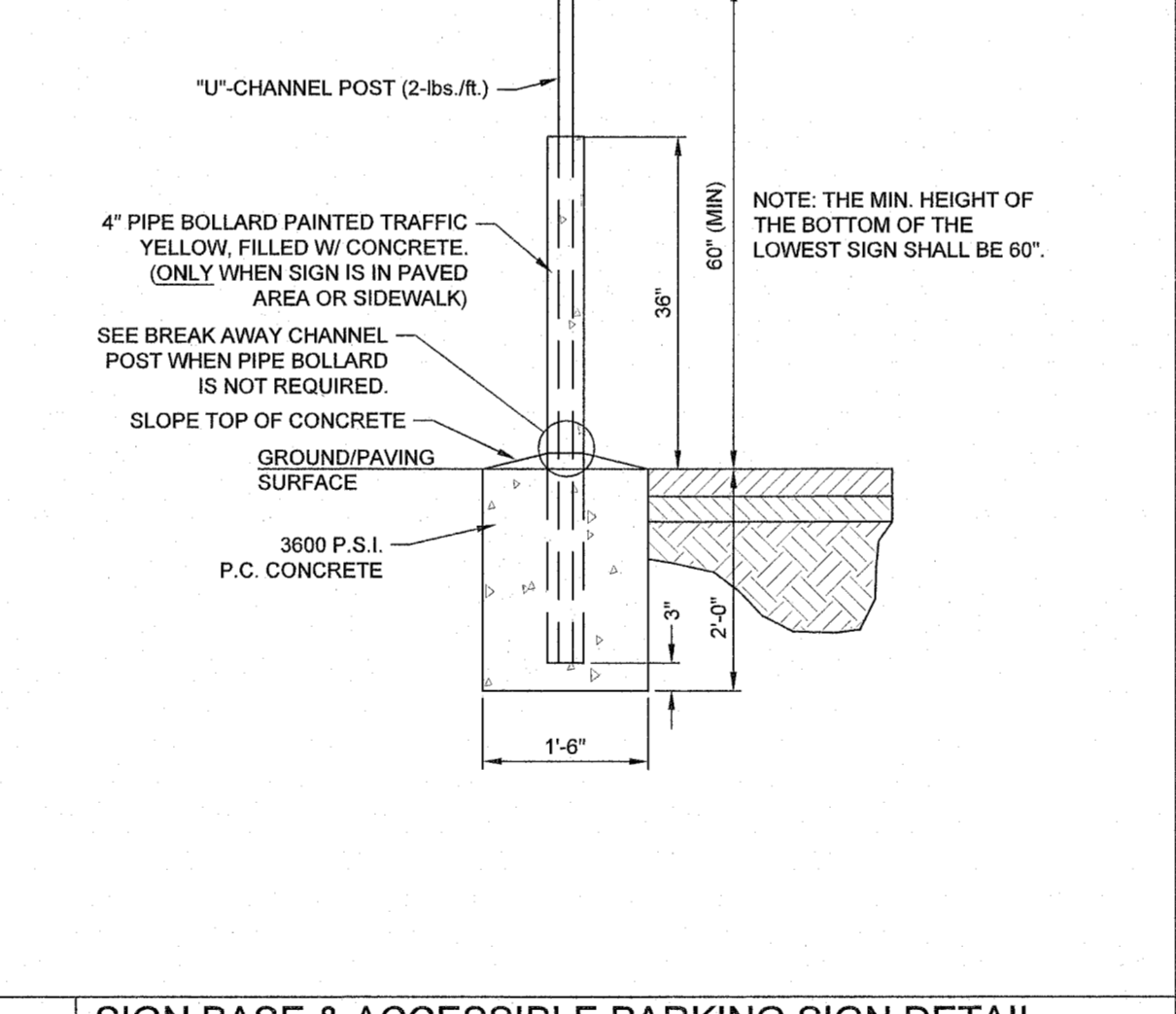
A4 ADA STRIPING
N.T.S.



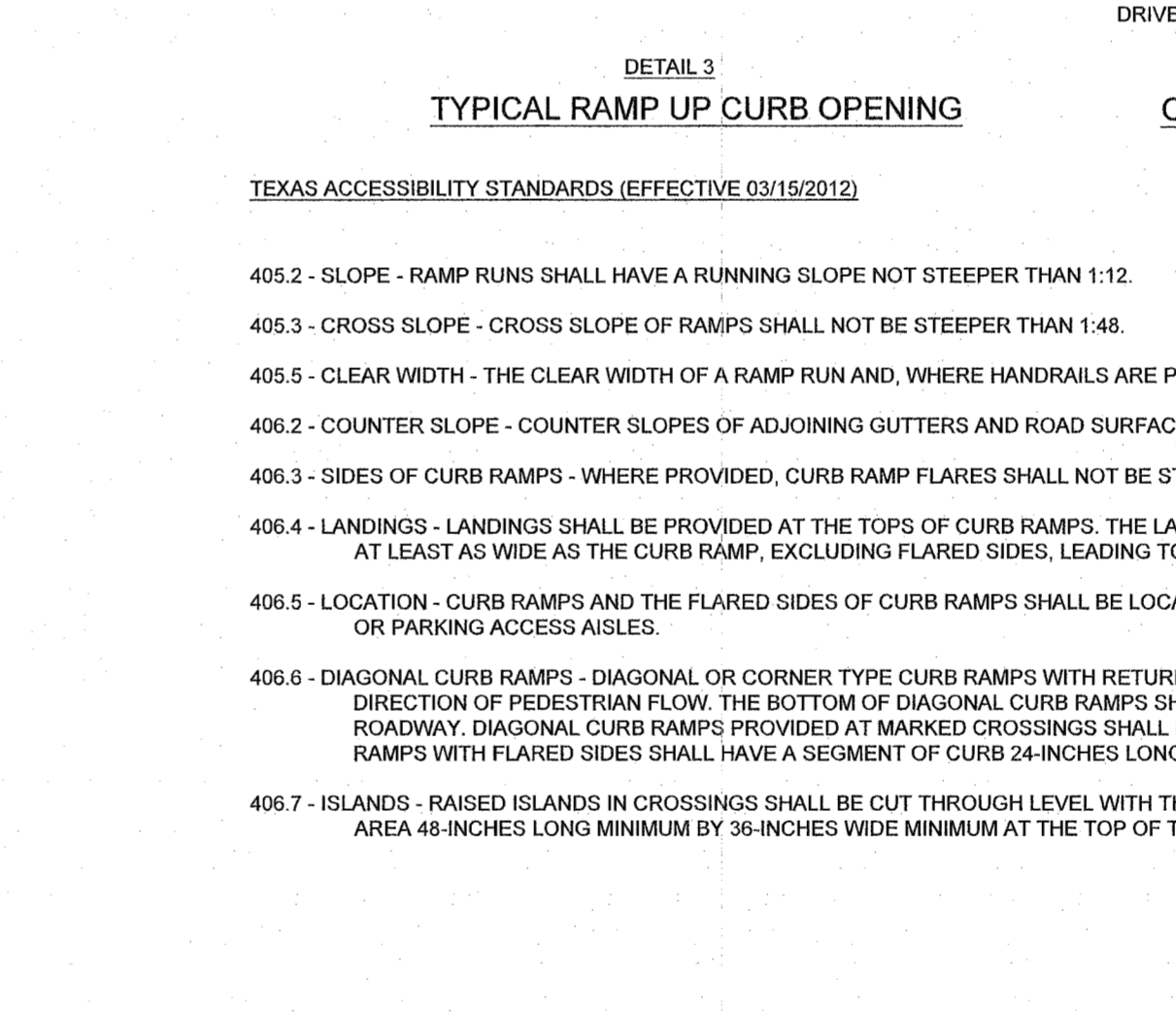
A5 ACCESSIBLE PARKING SYMBOL
N.T.S.



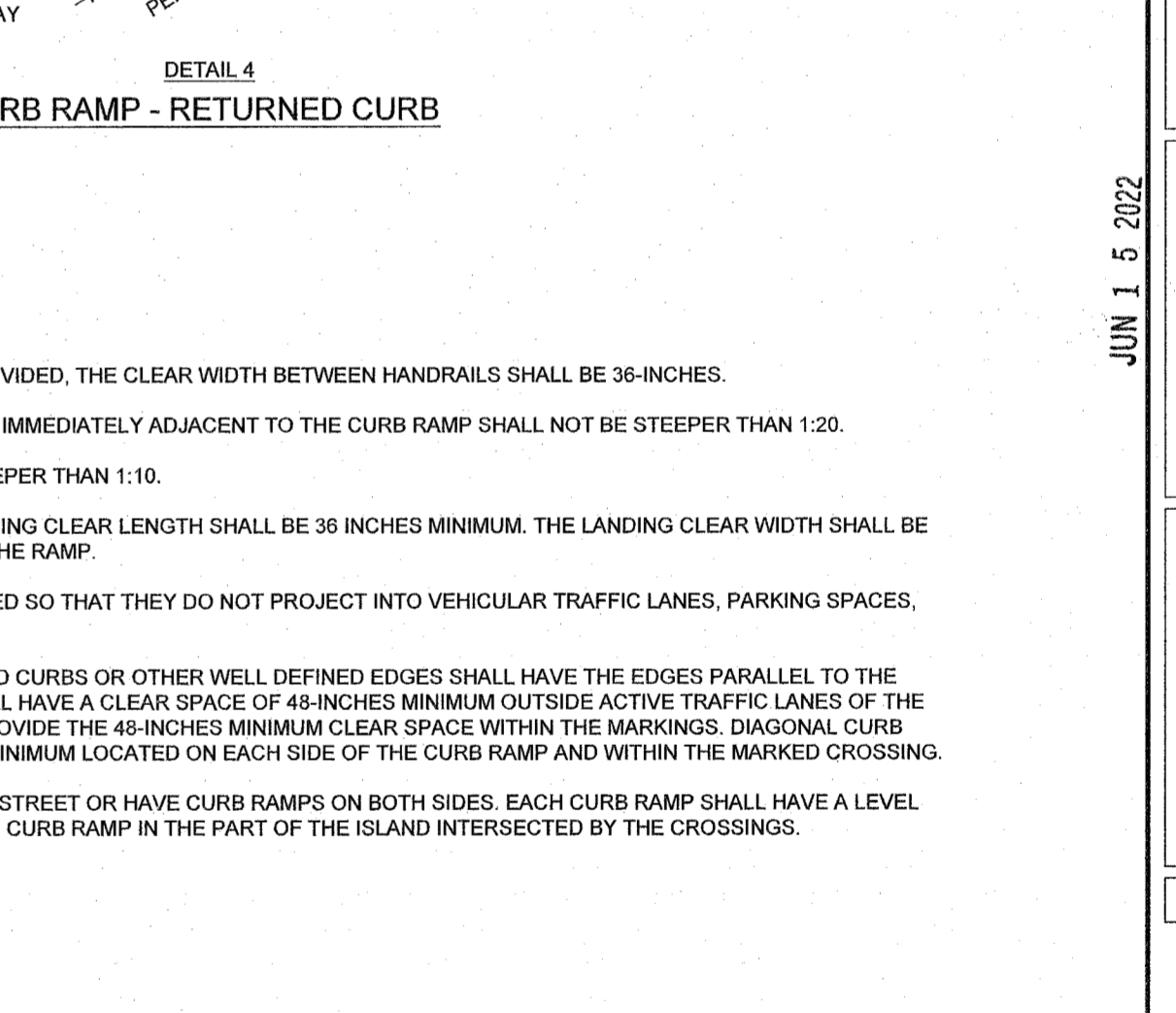
A3 ON-SITE CONCRETE SIDEWALK
N.T.S.



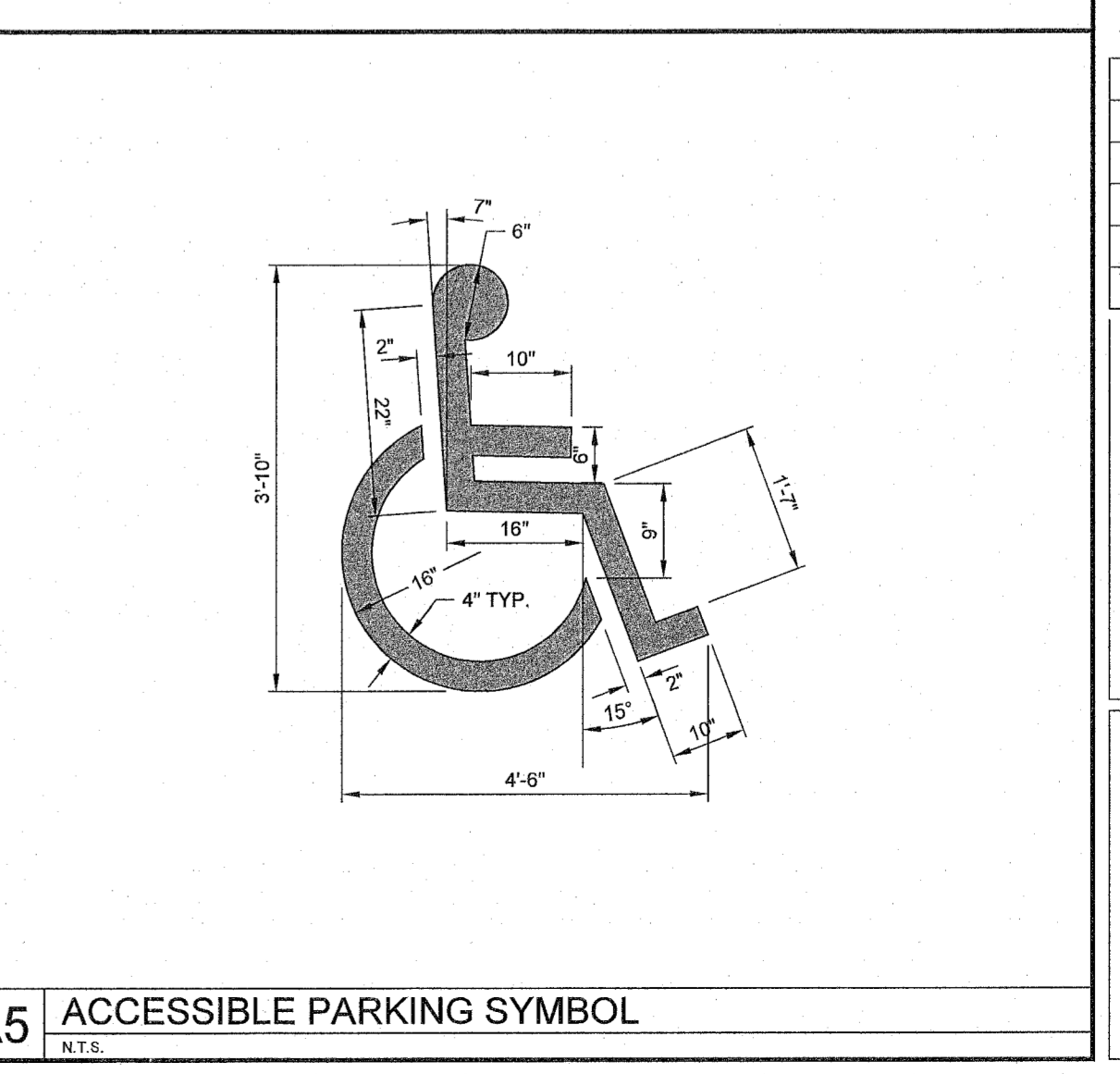
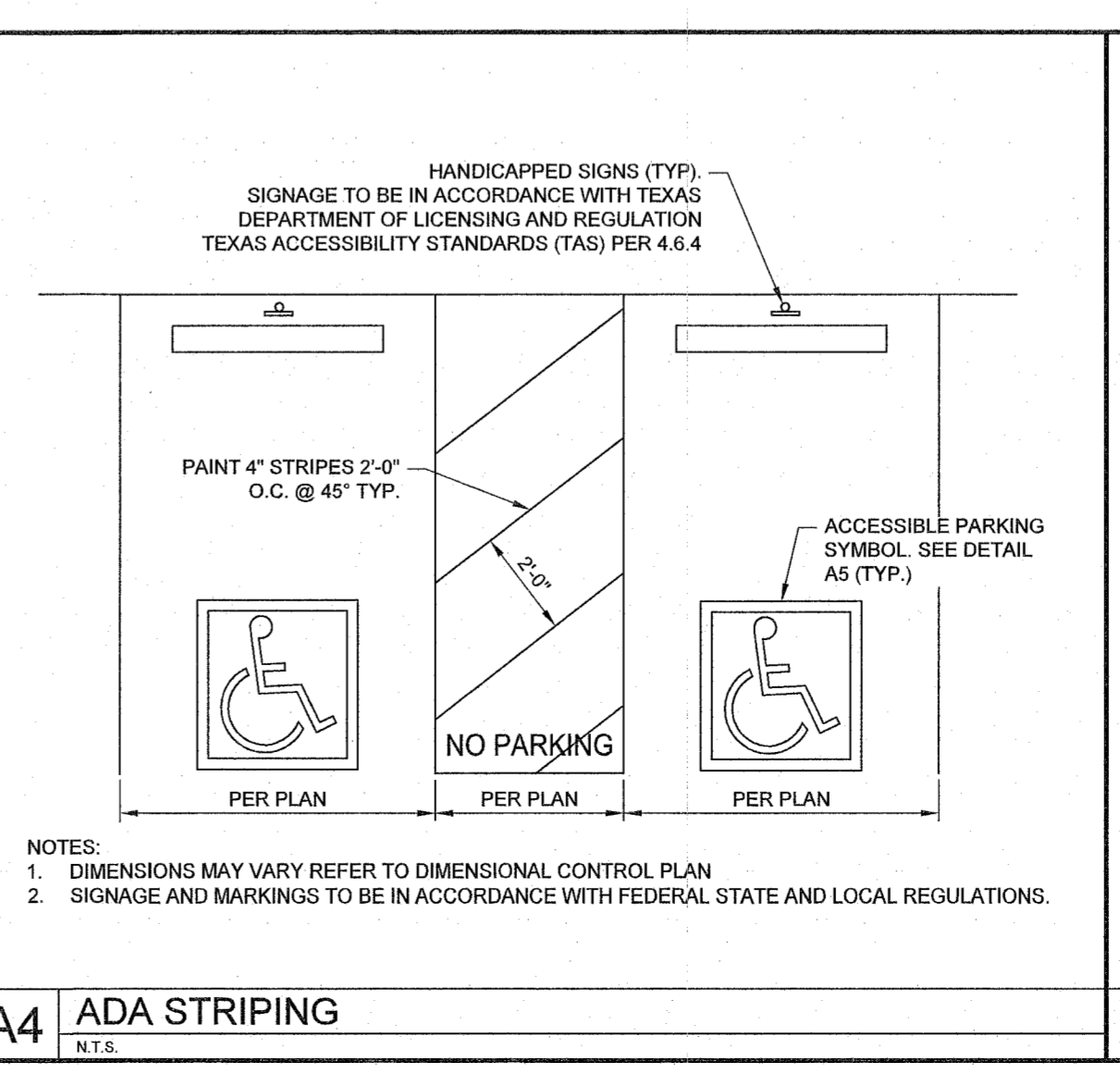
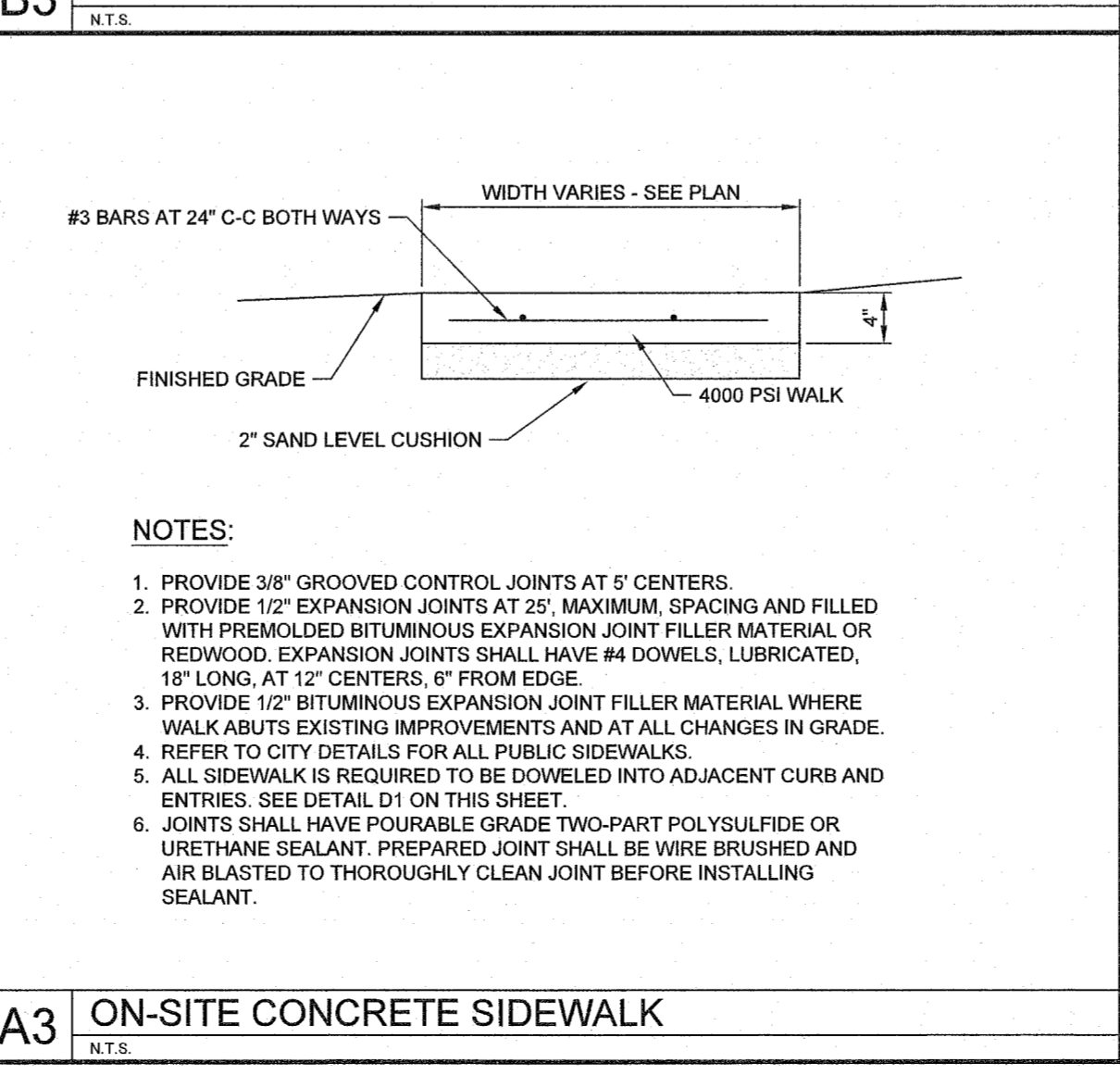
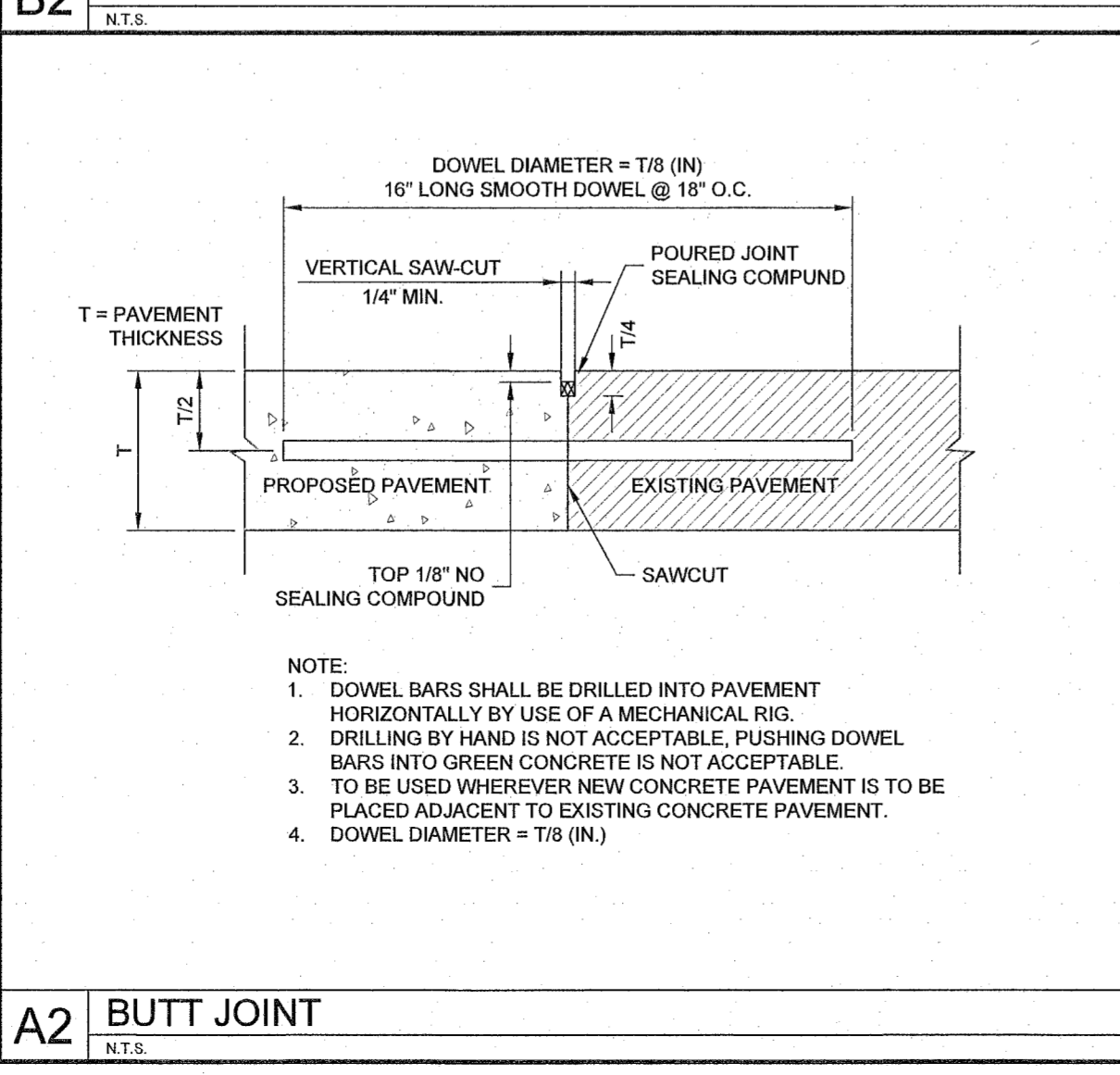
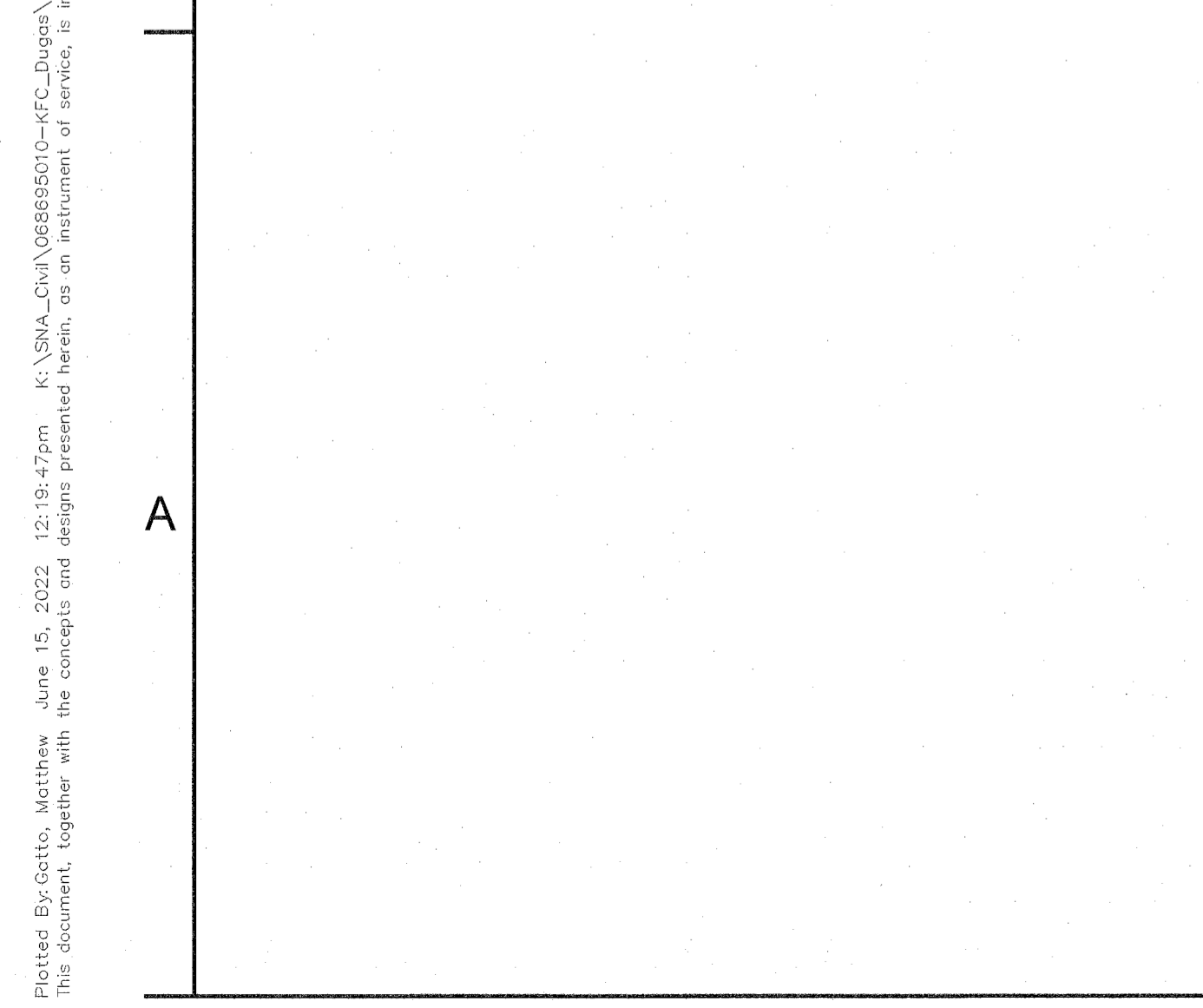
A2 BUTT JOINT
N.T.S.



A2 BUTT JOINT
N.T.S.



A2 BUTT JOINT
N.T.S.



Printed: B:\Projects\Matthew - June 15, 2022 10:50:59 AM. N:\SHA_Civil\2022\0615\KFC_Design\DWG\KFC-Detail_Miscellaneous\A5-Accessibile_Symbol.dwg
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REVISIONS:

MISCELLANEOUS CONSTRUCTION DETAILS

Kimley-Horn

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STATE OF TEXAS
 JASON R. LINK
 106138
 LICENSED PROFESSIONAL ENGINEER
 6/15/2022

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
 JOB NO: 068695010
 DRAWN BY: MJG
 SHEET NUMBER: 2.5.2

Plotted By: Gatto, Matthew June 15, 2022 12:19:52pm K:\SVA_DWG\068695010-KFC-Dugas_CAD\PlanSheets\C-BE-L-068695010.dwg This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, and shall be without liability to Kimley-Horn and Associates, Inc.

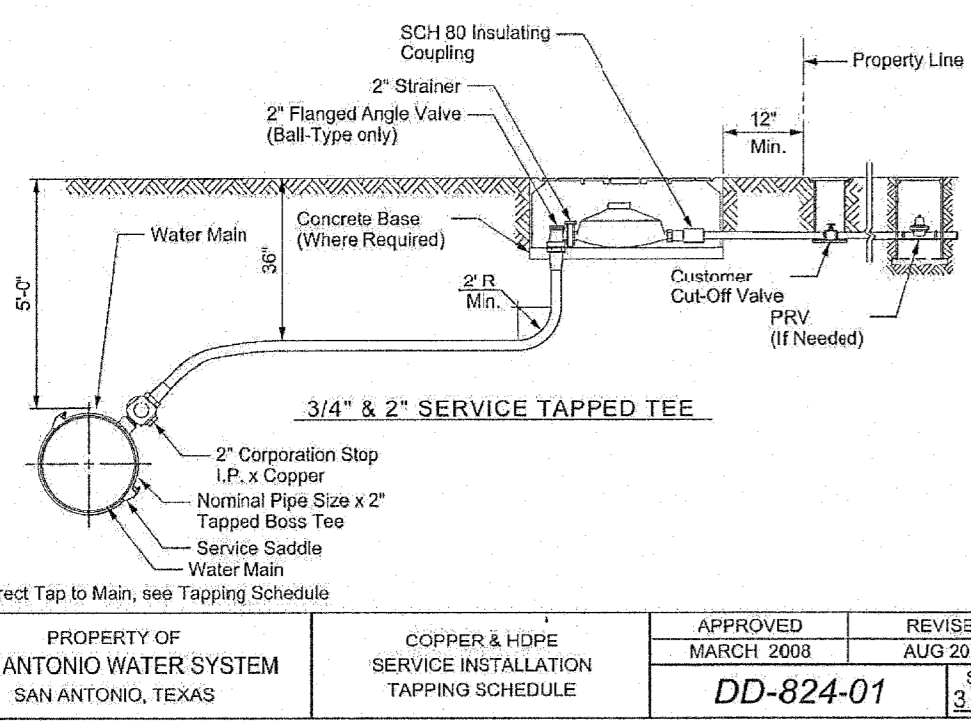
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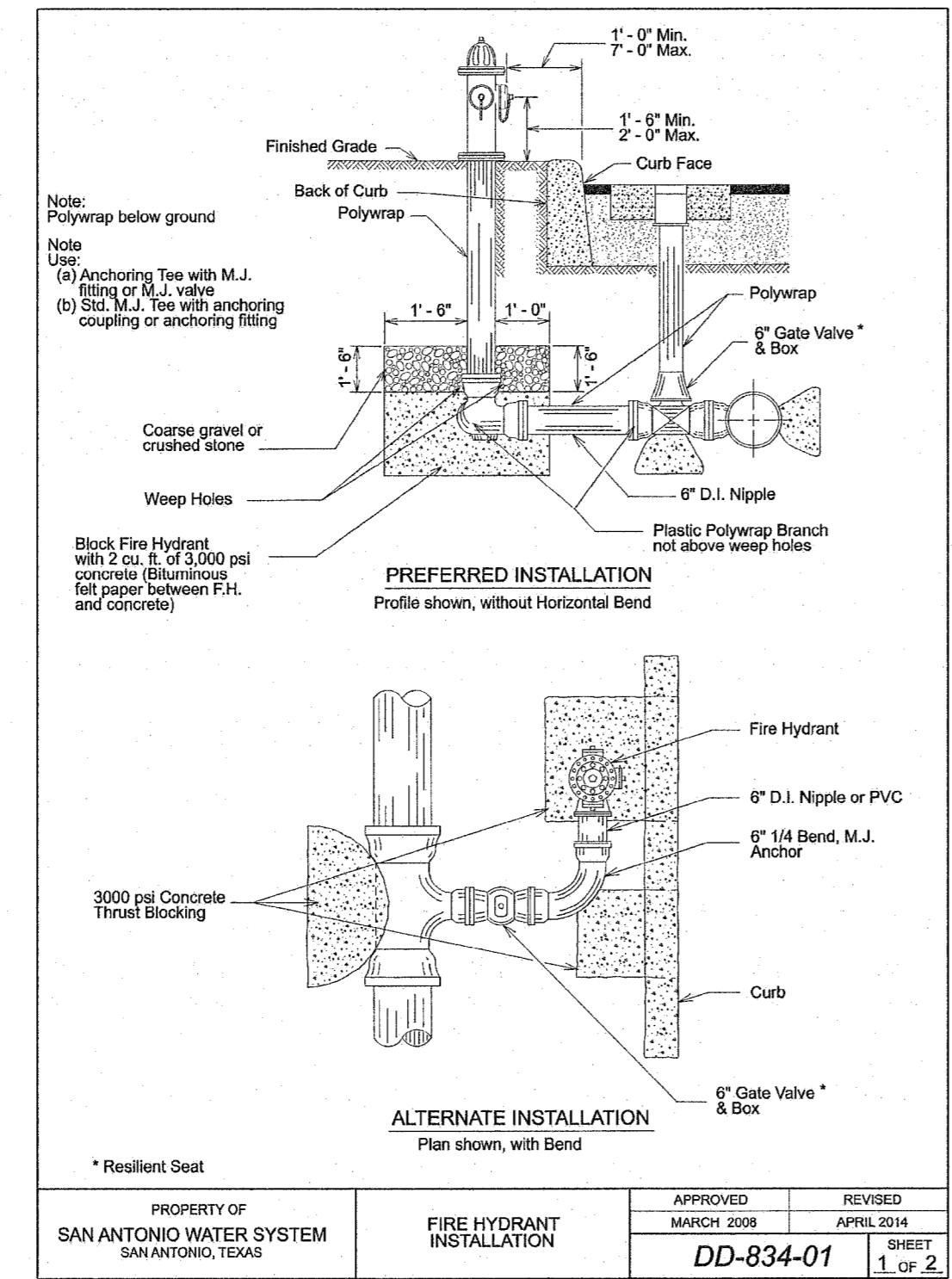
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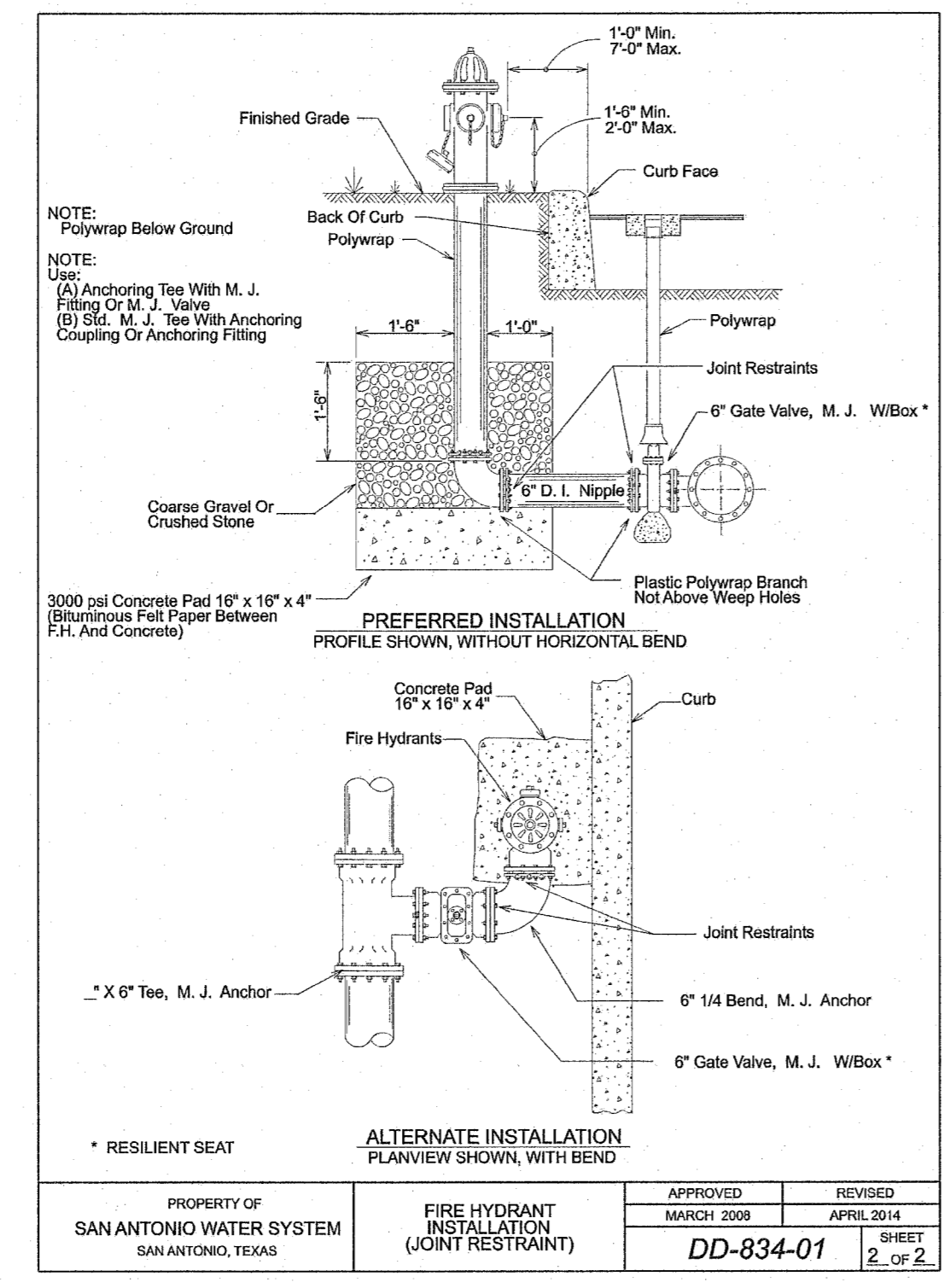
PIPE DIAMETER	SERVICE SIZE			
	3/4"	1"	1 1/2"	2"
8" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
16" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
16" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
6" - 16" HDPE	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle



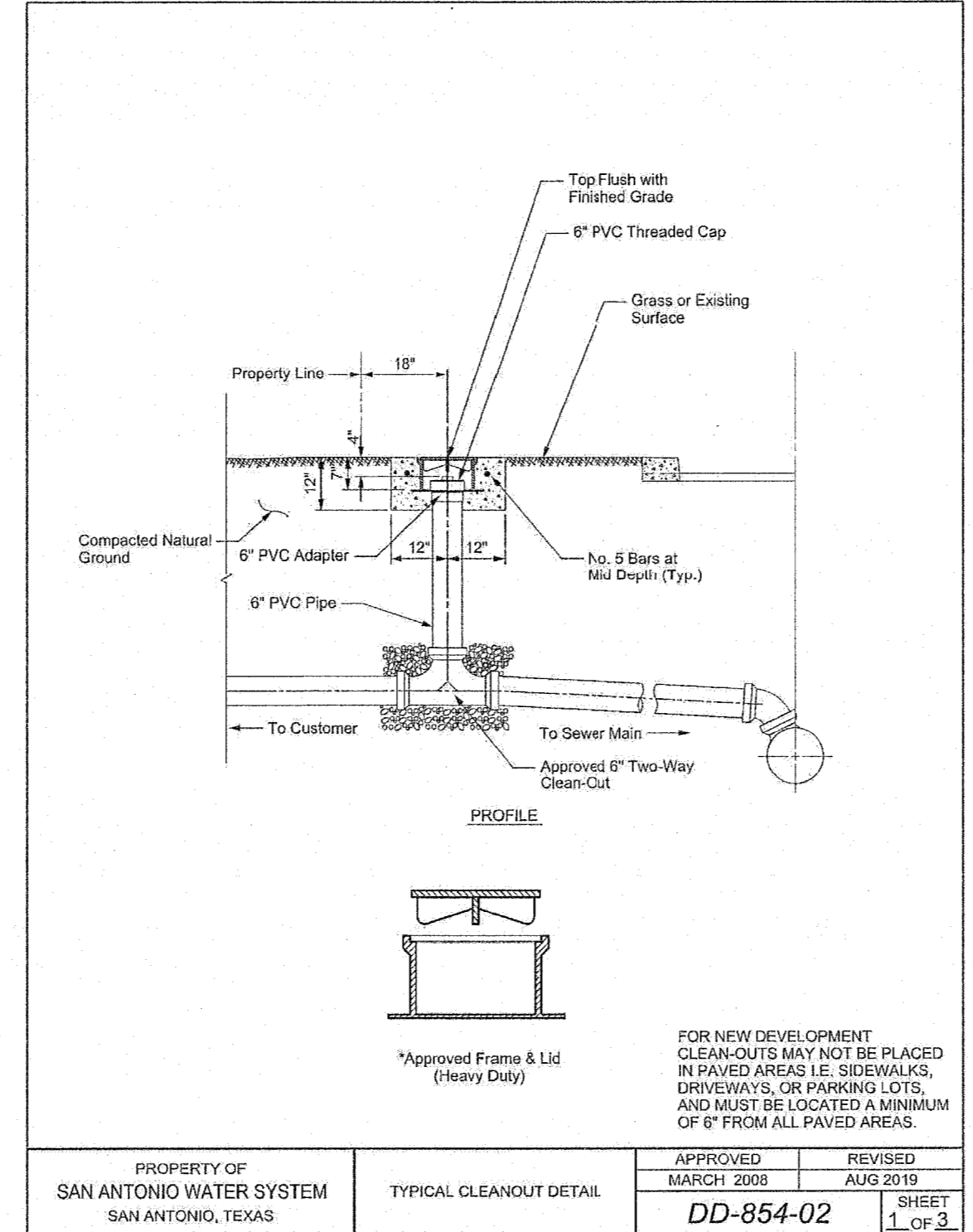
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	COPPER & HDPE SERVICE INSTALLATION TAPPING SCHEDULE	APPROVED MARCH 2008	REVISED AUG 2019
		DD-824-01	SHEET 2 OF 3



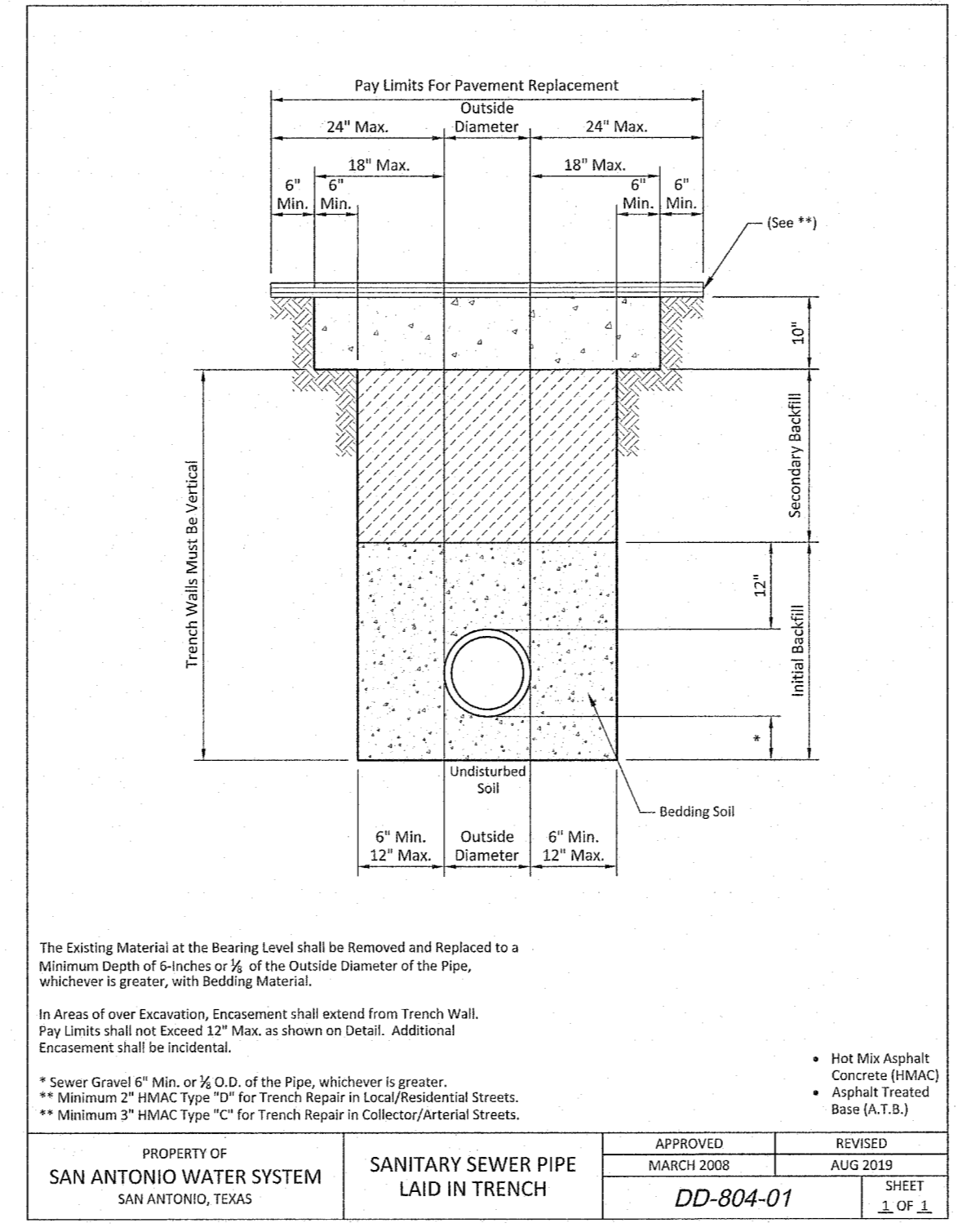
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	FIRE HYDRANT INSTALLATION	APPROVED MARCH 2008	REVISED APRIL 2014
		DD-834-01	SHEET 1 OF 2



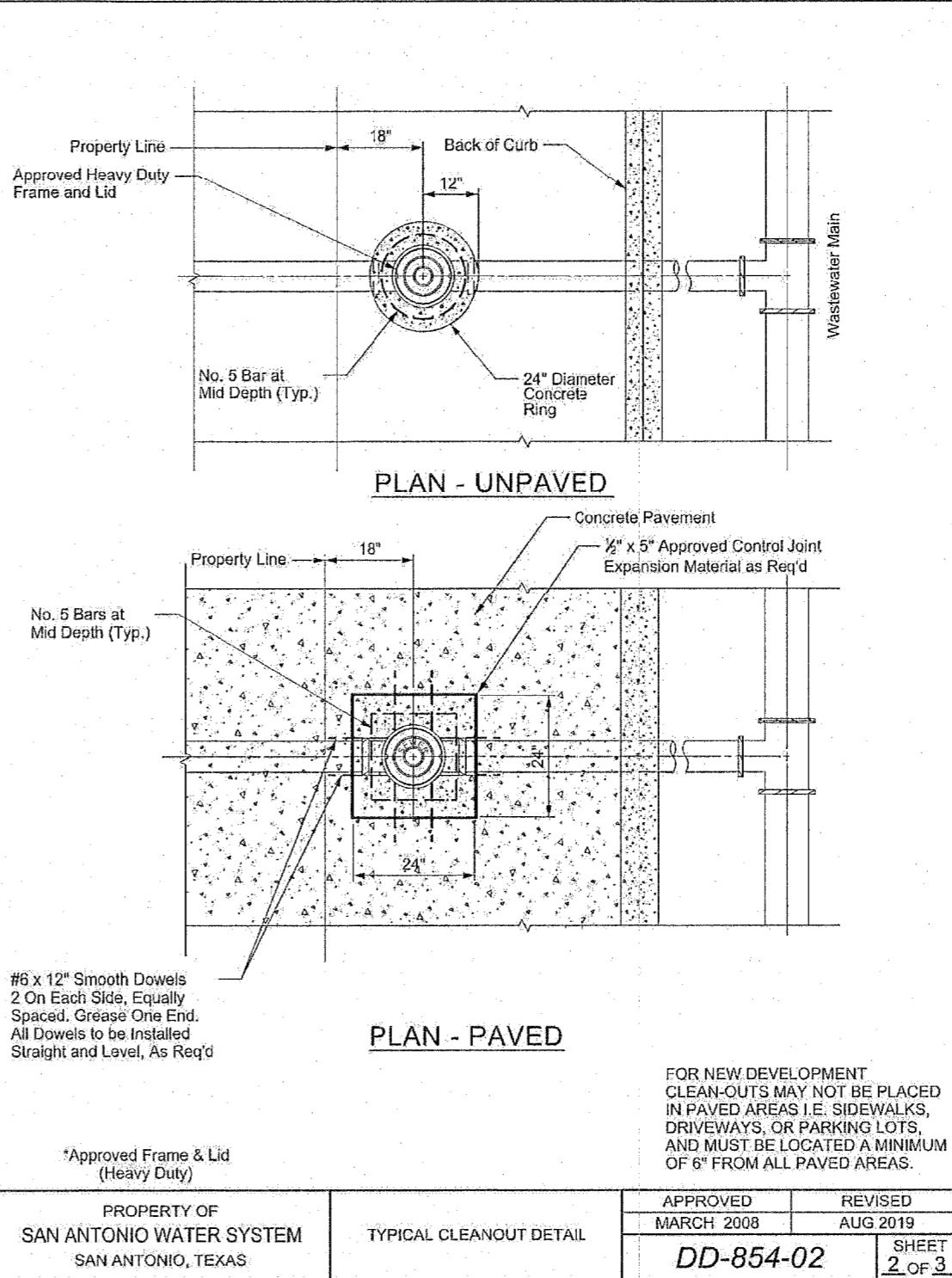
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	FIRE HYDRANT INSTALLATION (JOINT RESTRAINT)	APPROVED MARCH 2008	REVISED APRIL 2014
		DD-834-01	SHEET 2 OF 2



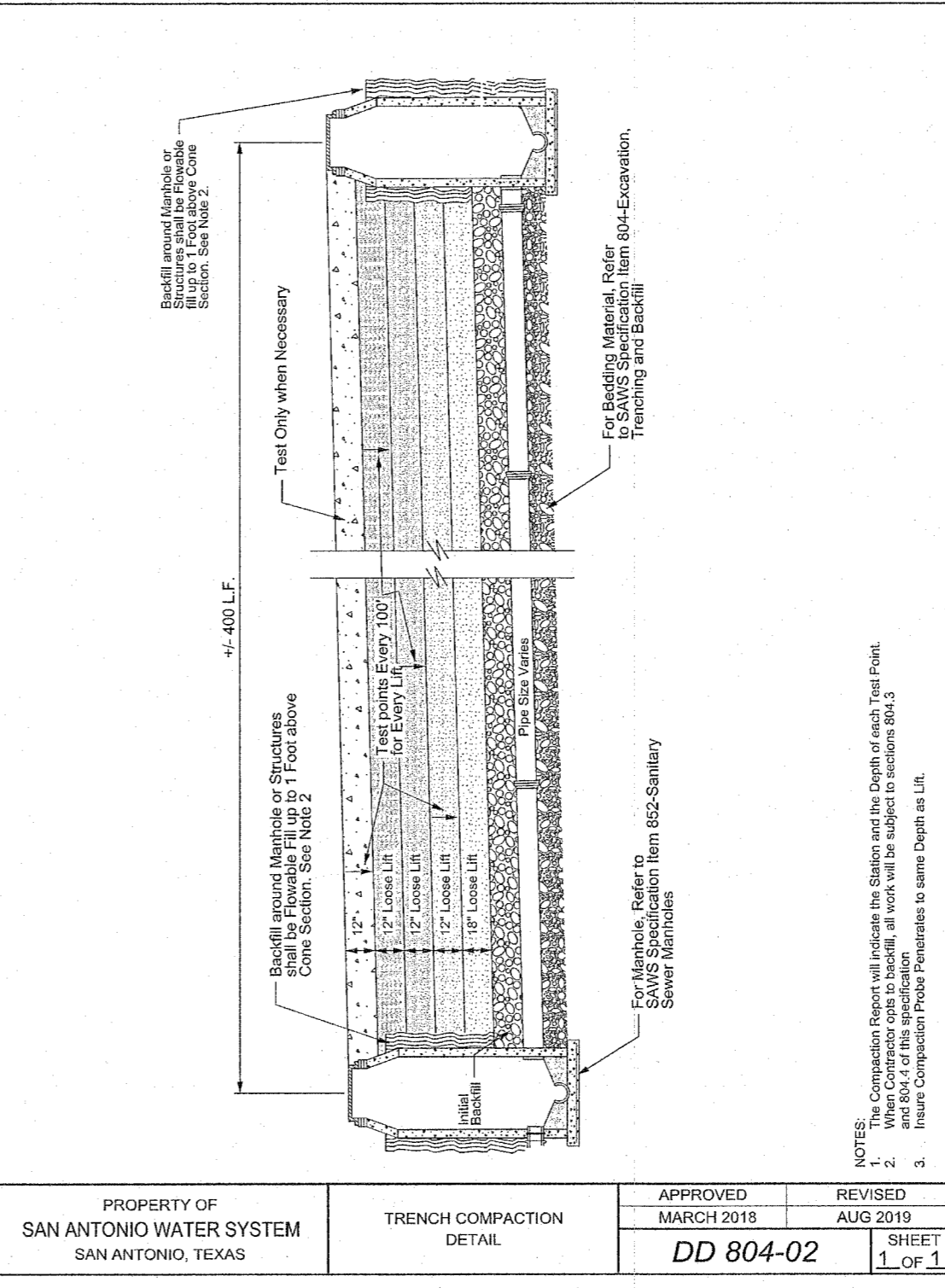
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TYPICAL CLEANOUT DETAIL	APPROVED MARCH 2008	REVISED AUG 2019
		DD-854-02	SHEET 1 OF 3



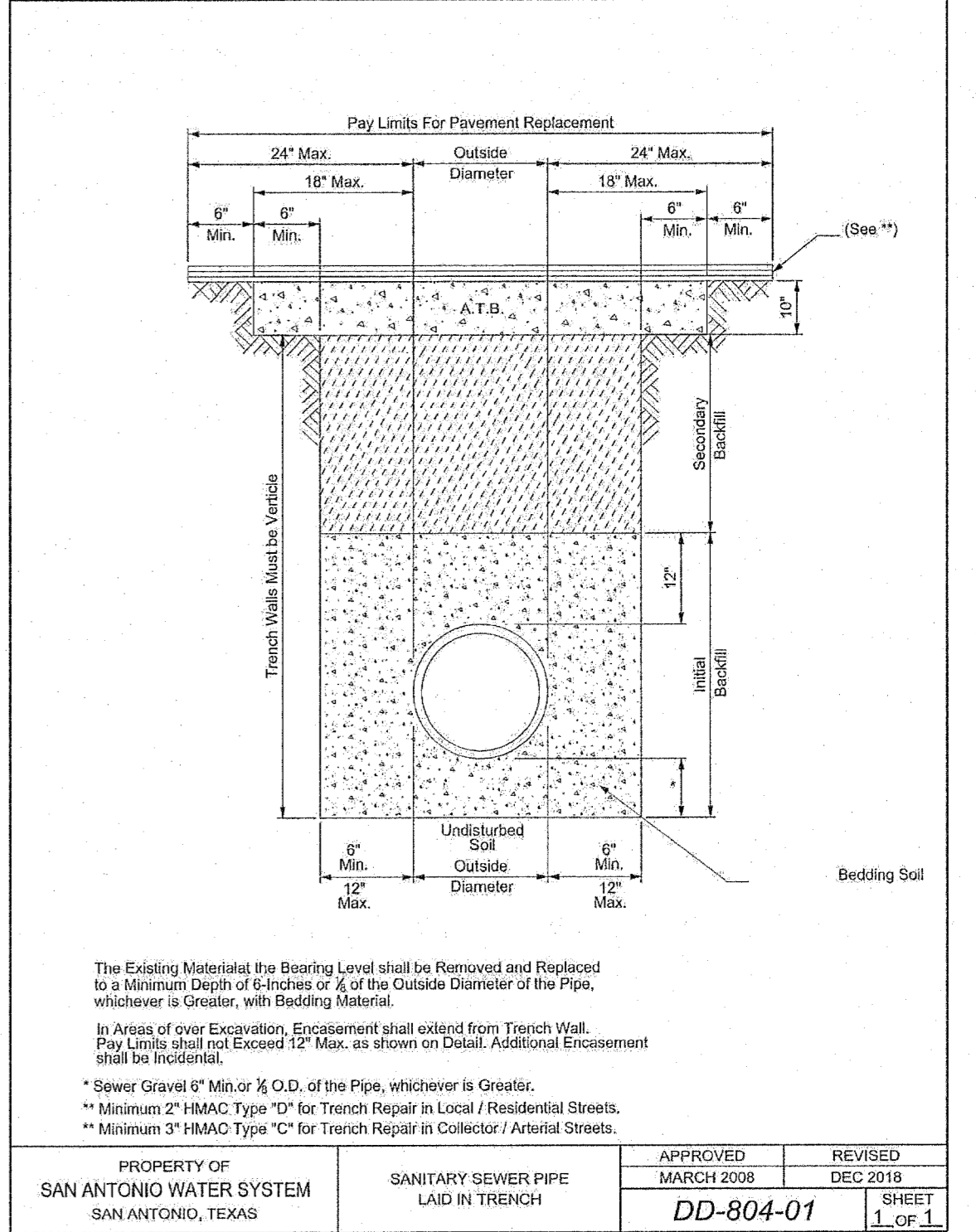
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	SANITARY SEWER PIPE LAID IN TRENCH	APPROVED MARCH 2008	REVISED AUG 2009
		DD-804-01	SHEET 1 OF 1



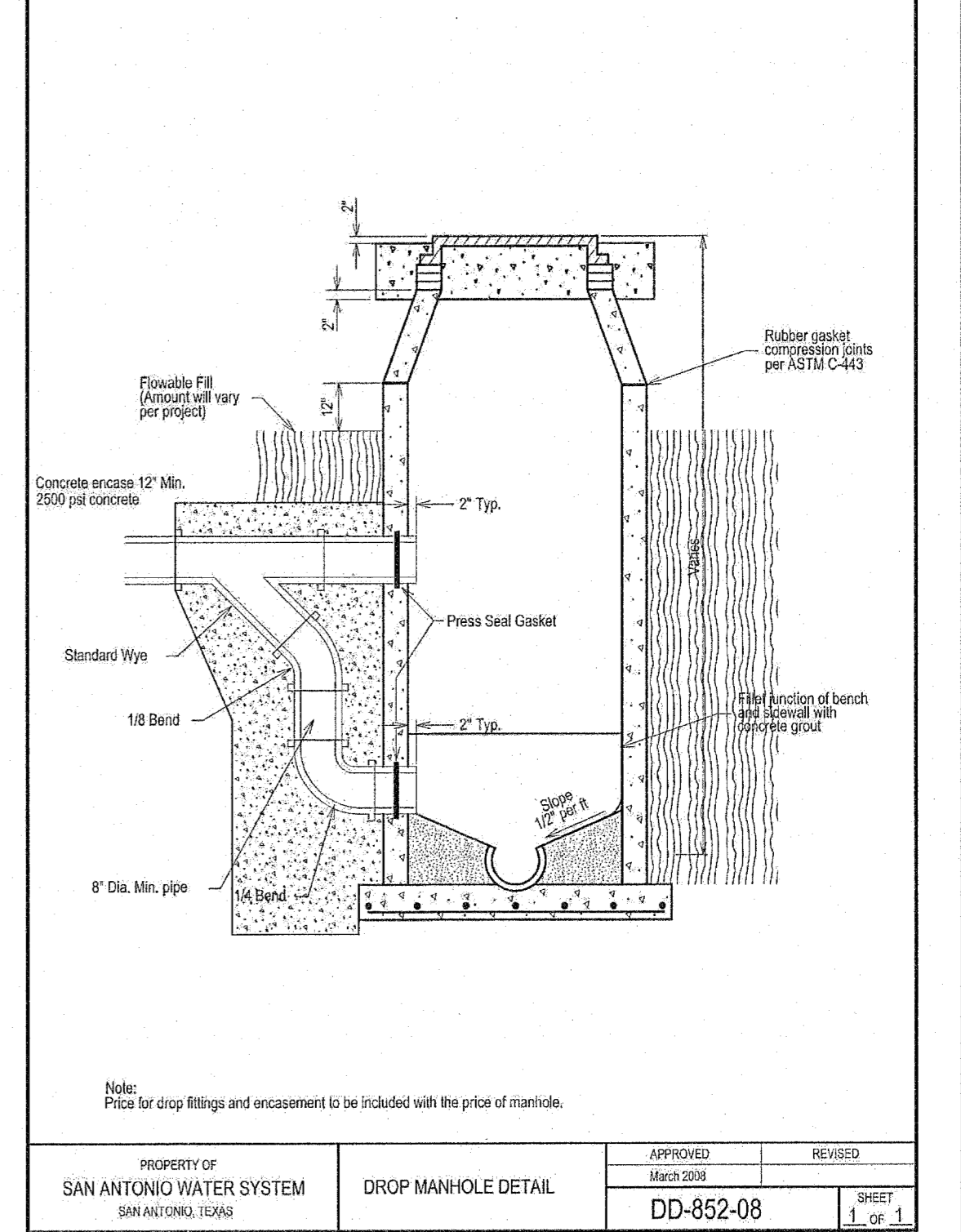
PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TYPICAL CLEANOUT DETAIL	APPROVED MARCH 2008	REVISED AUG 2019
		DD-854-02	SHEET 2 OF 3



PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	TRENCH COMPACTION DETAIL	APPROVED MARCH 2008	REVISED AUG 2019
		DD-804-02	SHEET 1 OF 1



PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	SANITARY SEWER PIPE LAID IN TRENCH	APPROVED MARCH 2008	REVISED DEC 2018
		DD-804-01	SHEET 1 OF 1



PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	DROP MANHOLE DETAIL	APPROVED MARCH 2008	REVISED AUG 2009
		DD-852-08	SHEET 1 OF 1

REVISIONS:

UTILITY DETAILS

Kimley-Horn & Associates

6/15/2022

DATE: 6/15/2022
JOB NO: 068695010
DRAWN BY: MJG
SHEET NUMBER: 2.53

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

068695010-KFC-Dugas
9639 Potranco Rd., San Antonio, Tx, 78251

10101 REINION PLACE, SUITE 400, SAN ANTONIO, TX 78216
PHONE: 210-541-1616 FAX: 210-541-8889
WWW.KIMLEY-HORN.COM T-876 FROM NO. 368

STATE OF TEXAS
JASON R. LINK
106136
LICENSED PROFESSIONAL ENGINEER
6/15/2022

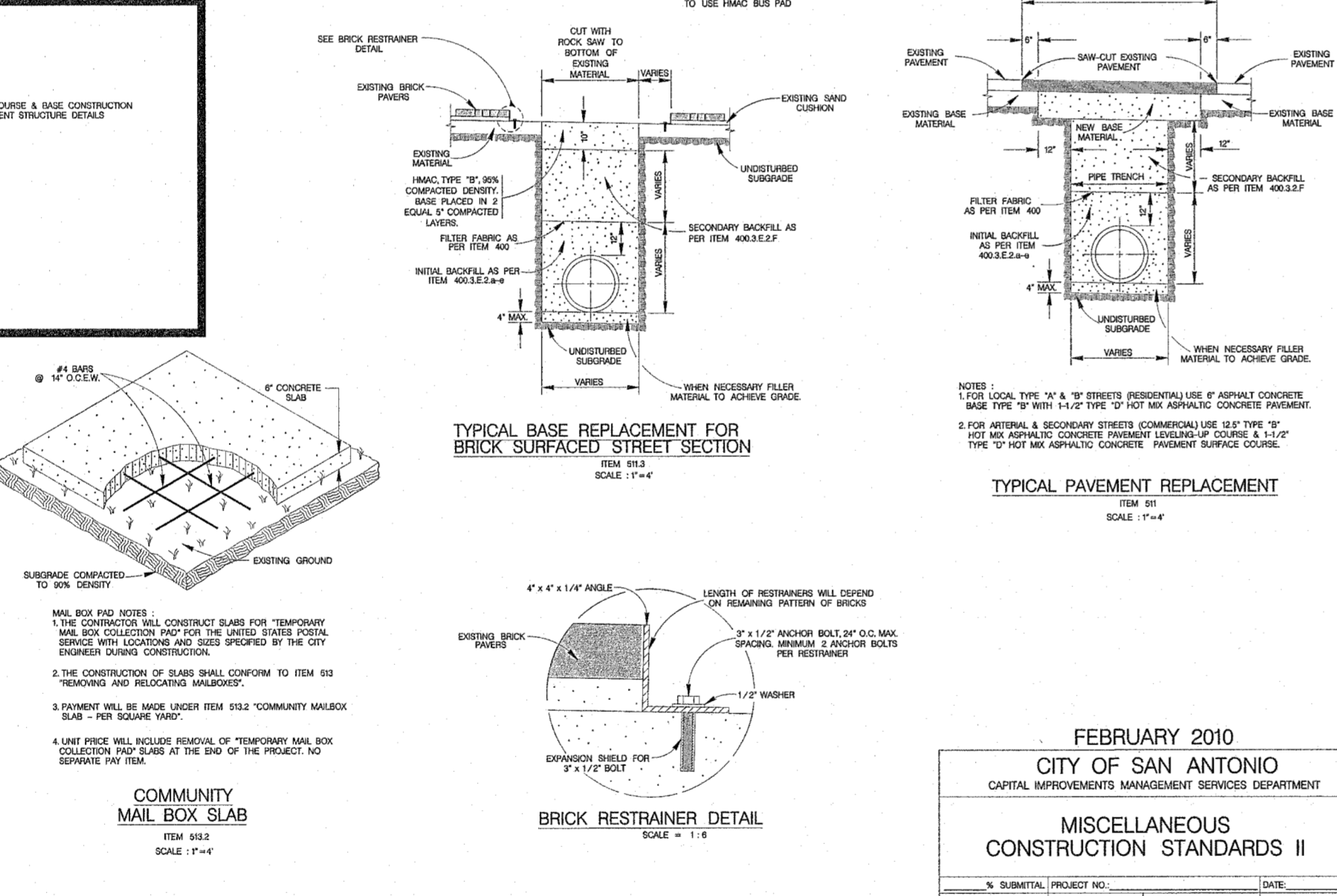
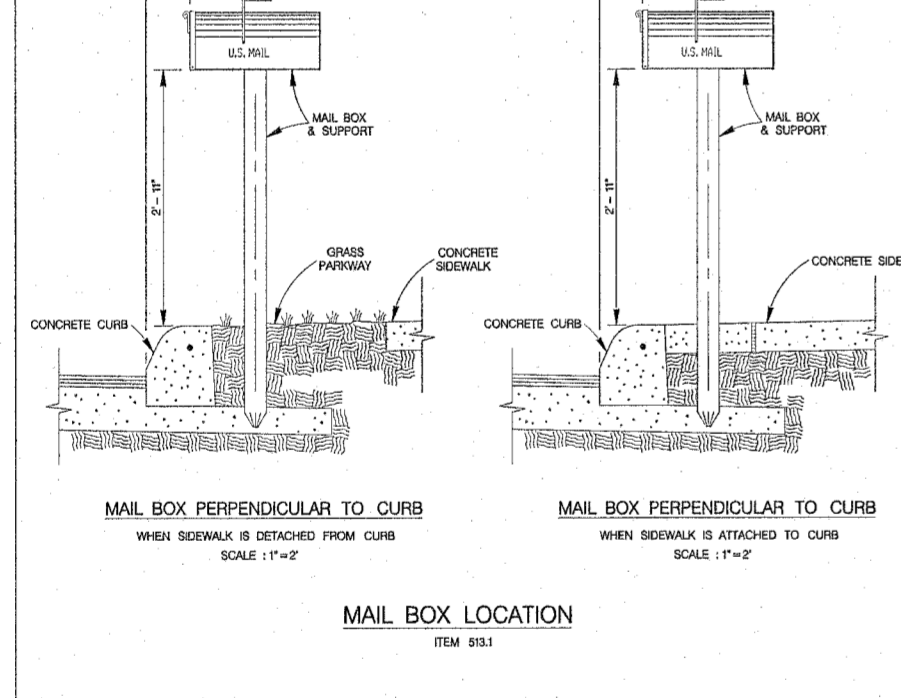
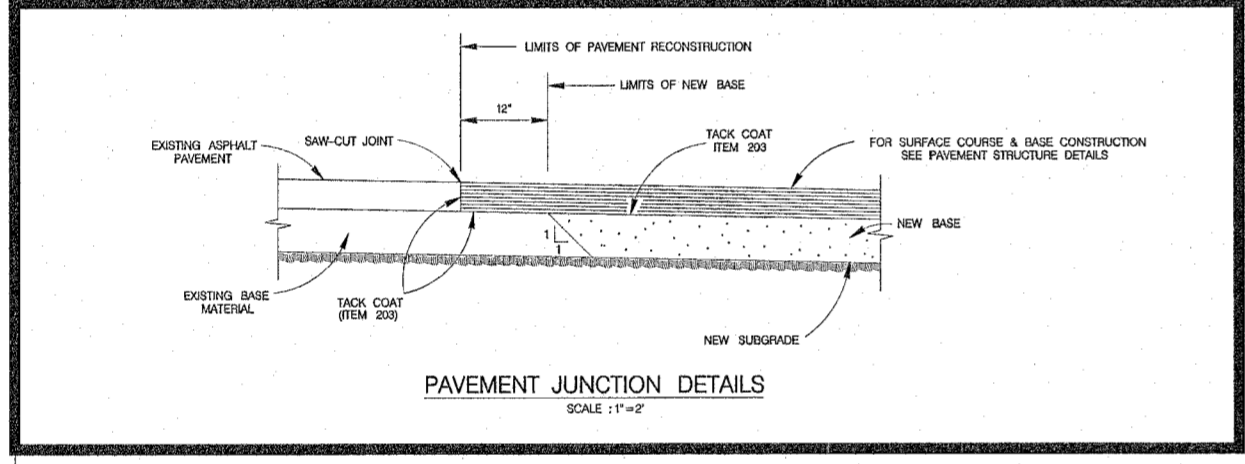
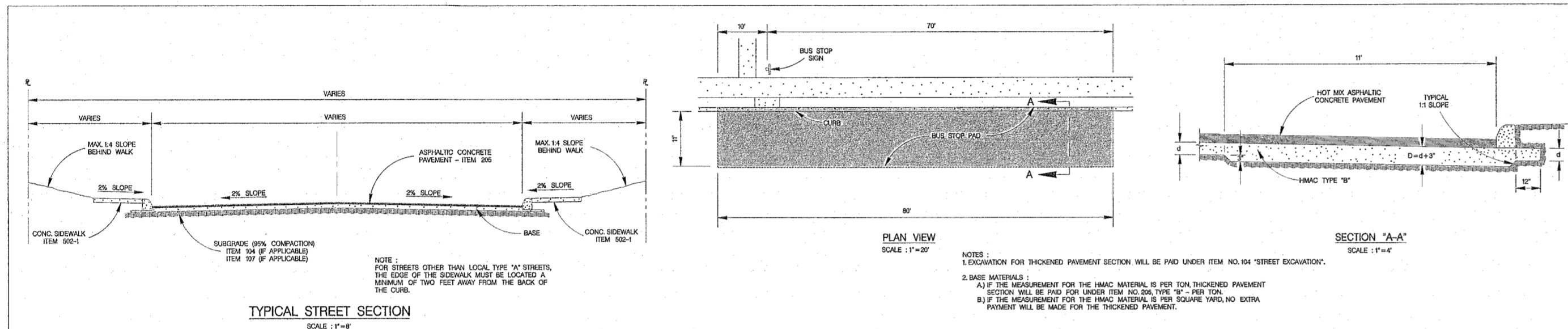
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D

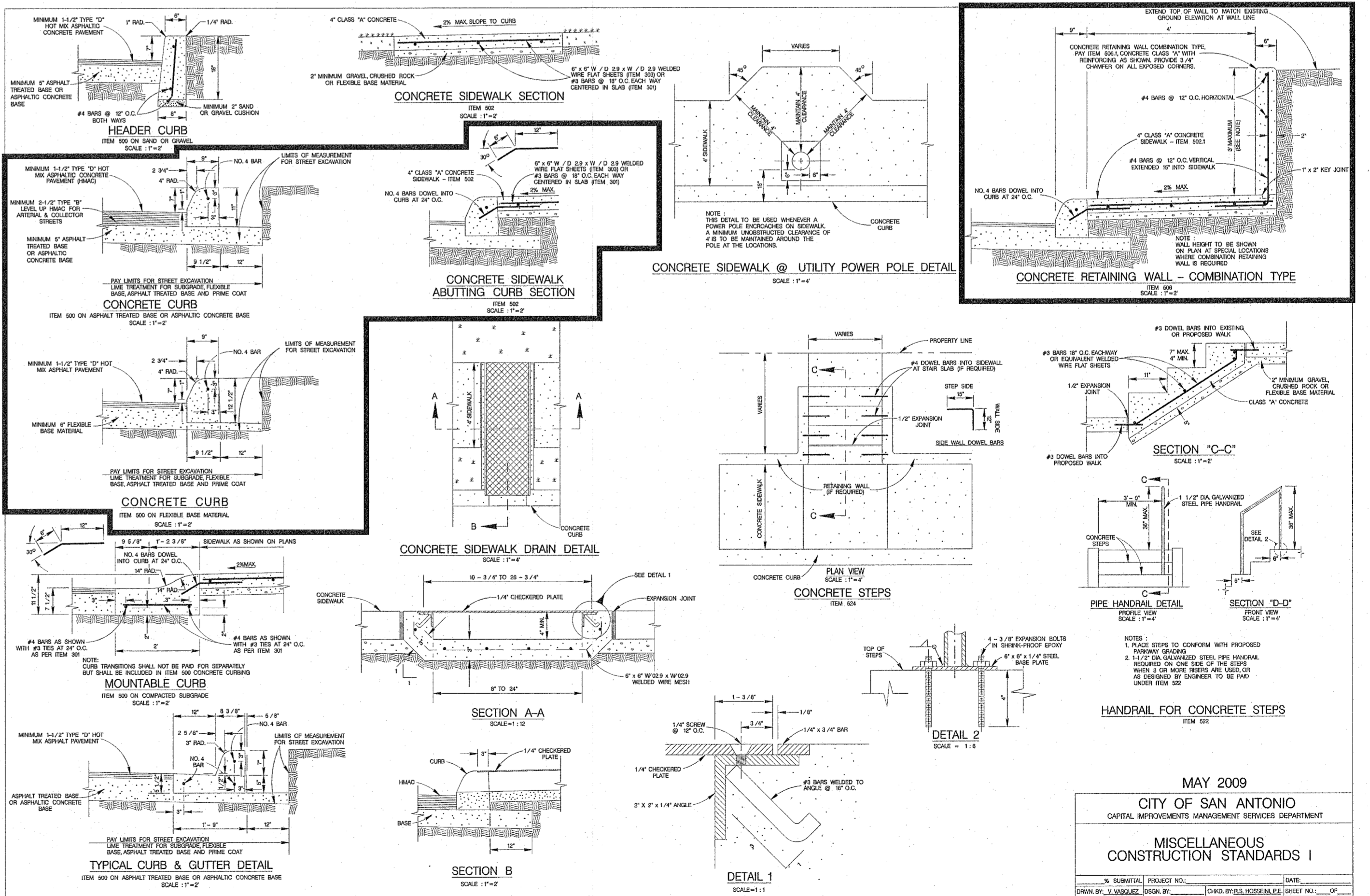
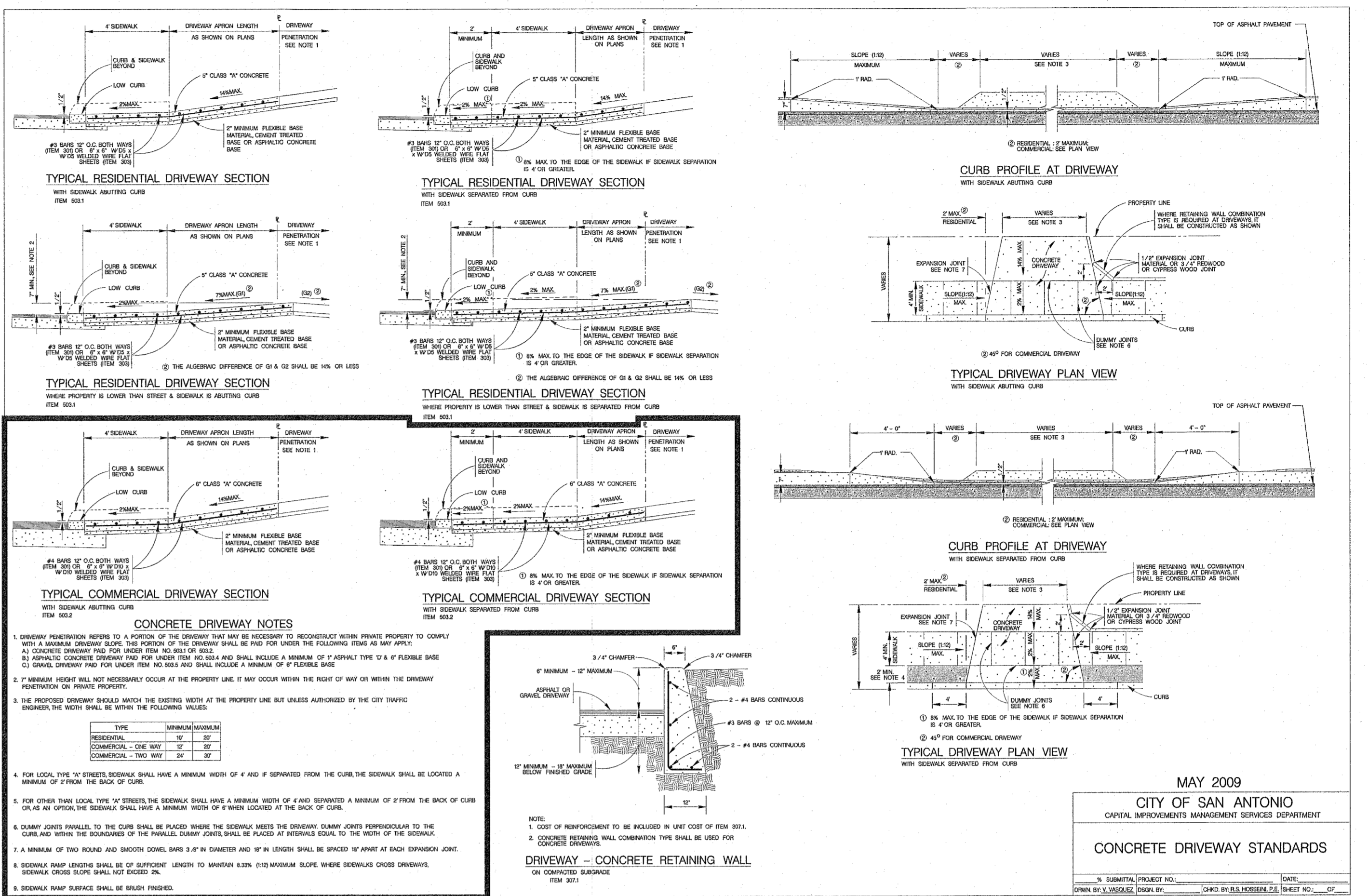
C

B

A



FEBRUARY 2010
CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
MISCELLANEOUS CONSTRUCTION STANDARDS II
DATE: 02/15/2010
DRAWN BY: J. VOGEL, CHECK BY: CHAD BILBROSS



MAY 2009
CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT
MISCELLANEOUS CONSTRUCTION STANDARDS I
DATE: 05/15/2009
DRAWN BY: J. VOGEL, CHECK BY: CHAD BILBROSS

REVISIONS:

COSA STANDARD DETAILS

Kimley-Horn & Associates

10101 REYNOLDS PLACE, SUITE 400, SAN ANTONIO, TX 78216
WWW.KIMLEY-HORN.COM | TEBE.FIRMING.528

William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
JOB NO: 068895010
DRAWN BY: MJG
SHEET NUMBER: 2.5.4

9339 Potranco Rd., San Antonio, Tx. 78251

06/15/2022
JASON R. LINK
106136
LICENSED PROFESSIONAL ENGINEER

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D

C

NYLOPLAST INLINE DRAIN SYSTEM USING INSERTA-TEE CONNECTION

VARIOUS TYPES OF ADAPTERS AVAILABLE:
 4"-30" FOR ADS N-12 CORRUGATED HOPE, N-12 HP, PVC SEWER (EX: SDK93), PVC DWV (EX: SC40), PVC C900/C905, CORRUGATED & RIBBED PVC

VARIOUS TYPES AND SIZE INSERTA-TEE ADAPTERS AVAILABLE.
 VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4"-30" FOR ADS N-12 CORRUGATED HOPE, N-12 HP, PVC SEWER (EX: SDK93), PVC DWV (EX: SC40), PVC C900/C905, CORRUGATED & RIBBED PVC (CORRUGATED HOPE SHOWN)

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-90-05, WITH THE EXCEPTION OF THE BRIDGE GRATE.	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.	DRAWN BY: MMH DATE: 02-07-17 APP'D BY: MMH DATE: 02-07-17	MATERIAL: NYLOPLAST PROJECT NO. NAME: DATE: 02-07-17	3150 VERONA AVE BUFORD, GA 30518 PHN (770) 832-2443 FAX (770) 832-2490 www.nyloplast-us.com	Nyloplast TITLE: NYLOPLAST INLINE DRAIN SYSTEM USING INSERTA-TEE CONNECTION DWG NO. 7003-110-116 REV. A
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-90-05.		DWG SIZE: A SCALE: 1:20 SHEET: 1 OF 1	DWG NO. 7003-110-116 REV. A		
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D523 FOR CORRUGATED HOPE, (EX: N-12) AND/OR DUAL WALL N-12 HP, & PVC SEWER.					
4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.					
5 - DIMENSIONS ARE IN INCHES.					
6 - SEE DRAWING NO. 7001-110-225 FOR ADS N-12 & HANGOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-304 FOR N-12 HP BELL INFORMATION.					
7 - INSERTA-TEE ADAPTERS CREATE WATER TIGHT JOINT BETWEEN ADAPTER AND MAINLINE PIPE.					

1299CGD

APPROX. DRAIN AREA = 70.37 SQ IN
APPROX. WEIGHT WITH FRAME = 34.95 LBS

ITEM IN ISOMETRIC VIEW

Wye Inlet Top	18	3,430
Extension	12	1,350
	15	1,688
	18	2,025
	21	2,363
	24	2,700
Slab Top	6	1,340
Grate	3 1/4	433
Box	Varies	

1 - ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES. QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-90-05 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-225	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.	DRAWN BY: EBC DATE: 3-4-06 REVISED BY: EBC DATE: 3-13-10	MATERIAL: DUCTILE IRON PROJECT NO. NAME: DATE: 3-13-10	3150 VERONA AVE BUFORD, GA 30518 PHN (770) 832-2443 FAX (770) 832-2490 www.nyloplast-us.com	Nyloplast TITLE: 12 IN DOME GRATE ASSEMBLY DWG NO. 7003-110-209 REV. C
DWG SIZE: A SCALE: 3/8 SHEET: 1 OF 1		DWG NO. 7003-110-209 REV. C			

B

3099CGS

APPROX. DRAIN AREA = 324.00 SQ IN
APPROX. WEIGHT WITH FRAME = 237.00 LBS

ITEM IN ISOMETRIC VIEW

Wye Inlet Top	18	3,430
Extension	12	1,350
	15	1,688
	18	2,025
	21	2,363
	24	2,700
Slab Top	6	1,340
Grate	3 1/4	433
Box	Varies	

1 - ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES. GRATE MEETS H-20 LOAD RATING. QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-90-05 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-222	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.	DRAWN BY: EBC DATE: 3-4-06 REVISED BY: EBC DATE: 3-13-10	MATERIAL: DUCTILE IRON PROJECT NO. NAME: DATE: 3-13-10	3150 VERONA AVE BUFORD, GA 30518 PHN (770) 832-2443 FAX (770) 832-2490 www.nyloplast-us.com	Nyloplast TITLE: 30 IN STANDARD GRATE ASSEMBLY - TYPE B DWG NO. 7001-110-221 REV. C
DWG SIZE: A SCALE: 1:10 SHEET: 1 OF 1		DWG NO. 7001-110-221 REV. C			

A

DUAL WALL FABRICATED REDUCERS

60"x24" - 60"x48" DIAMETER

PART #	PIPE SIZE	A	B	C	JOINT
6077AN	60 x 24 in (1500 x 600 mm)	33.6 in (852 mm)	18.0 in (457 mm)	15.6 in (395 mm)	-
6077AN85B	60 x 24 in (1500 x 600 mm)	16.6 in (421 mm)	9.6 in (243 mm)	7.0 in (178 mm)	ST
6077AN65B	60 x 24 in (1500 x 600 mm)	16.6 in (421 mm)	9.6 in (243 mm)	7.0 in (178 mm)	WT
6078AN	60 x 30 in (1500 x 750 mm)	34.5 in (876 mm)	18.0 in (457 mm)	16.5 in (419 mm)	-
6078AN85B	60 x 30 in (1500 x 750 mm)	21.3 in (542 mm)	9.6 in (243 mm)	11.6 in (298 mm)	ST
6078AN65B	60 x 30 in (1500 x 750 mm)	21.3 in (542 mm)	9.6 in (243 mm)	11.6 in (298 mm)	WT
6079AN	60 x 36 in (1500 x 900 mm)	38.6 in (979 mm)	18.0 in (457 mm)	20.6 in (522 mm)	-
6079AN85B	60 x 36 in (1500 x 900 mm)	20.9 in (530 mm)	9.6 in (243 mm)	11.3 in (287 mm)	ST
6079AN65B	60 x 36 in (1500 x 900 mm)	20.9 in (530 mm)	9.6 in (243 mm)	11.3 in (287 mm)	WT
6042AN	60 x 42 in (1500 x 1050 mm)	38.7 in (982 mm)	18.0 in (457 mm)	20.7 in (525 mm)	-
6042AN85B	60 x 42 in (1500 x 1050 mm)	18.7 in (475 mm)	9.6 in (243 mm)	9.1 in (232 mm)	ST
6042AN65B	60 x 42 in (1500 x 1050 mm)	21.6 in (548 mm)	9.6 in (243 mm)	12.0 in (305 mm)	WT
6048AN	60 x 48 in (1500 x 1200 mm)	38.7 in (982 mm)	18.0 in (457 mm)	20.7 in (525 mm)	-
6048AN85B	60 x 48 in (1500 x 1200 mm)	18.3 in (466 mm)	9.6 in (243 mm)	8.8 in (223 mm)	ST
6048AN65B	60 x 48 in (1500 x 1200 mm)	21.6 in (548 mm)	9.6 in (243 mm)	12.0 in (305 mm)	WT

* = PLAIN END
ST = SOUL TIGHT
WT = WATER TIGHT

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

DRAWING #:	2540
DRAWN BY:	NJP
APPROVED BY:	JOB
REVISIONS:	TJR
DATE:	08/26/07
	9/8/2009

Precast Drainage Structures

ITEM IN ISOMETRIC VIEW

Wye Inlet Top	18	3,430
Extension	12	1,350
	15	1,688
	18	2,025
	21	2,363
	24	2,700
Slab Top	6	1,340
Grate	3 1/4	433
Box	Varies	

Top Options for 4' x 4' Precast Box

TITLE	PLANT	STATE	SECTION/PAGE	DATE
5' Curb Inlet w/ 5.0' Invert City of San Antonio	Alvarado	TX	10.c.2	Feb 2010

-No Scale-
All dimensions subject to allowable specification tolerances.

Precast Drainage Structures

Materials & Features

CONCRETE: 5,000 PSI
 REINFORCING: GRADE 60
 MAXIMUM PIPE SIZE: 24" I.D.

-No Scale-
All dimensions subject to allowable specification tolerances.

TITLE	PLANT	STATE	SECTION/PAGE	DATE
5' Curb Inlet w/ 5.0' Invert City of San Antonio	Alvarado	TX	10.c.2	Feb 2010

-No Scale-
All dimensions subject to allowable specification tolerances.

REVISIONS:

STORM SEWER DETAILS

Kimley-Horn

10101 REYNOLDS PLACE SUITE 400, SAN ANTONIO, TX 78216
 WWW.KIMLEY-HORN.COM TBE FIRM NO. 628

DATE: 6/15/2012

JASON R. LINK
 LICENSED PROFESSIONAL ENGINEER
 106138
 6/15/2012

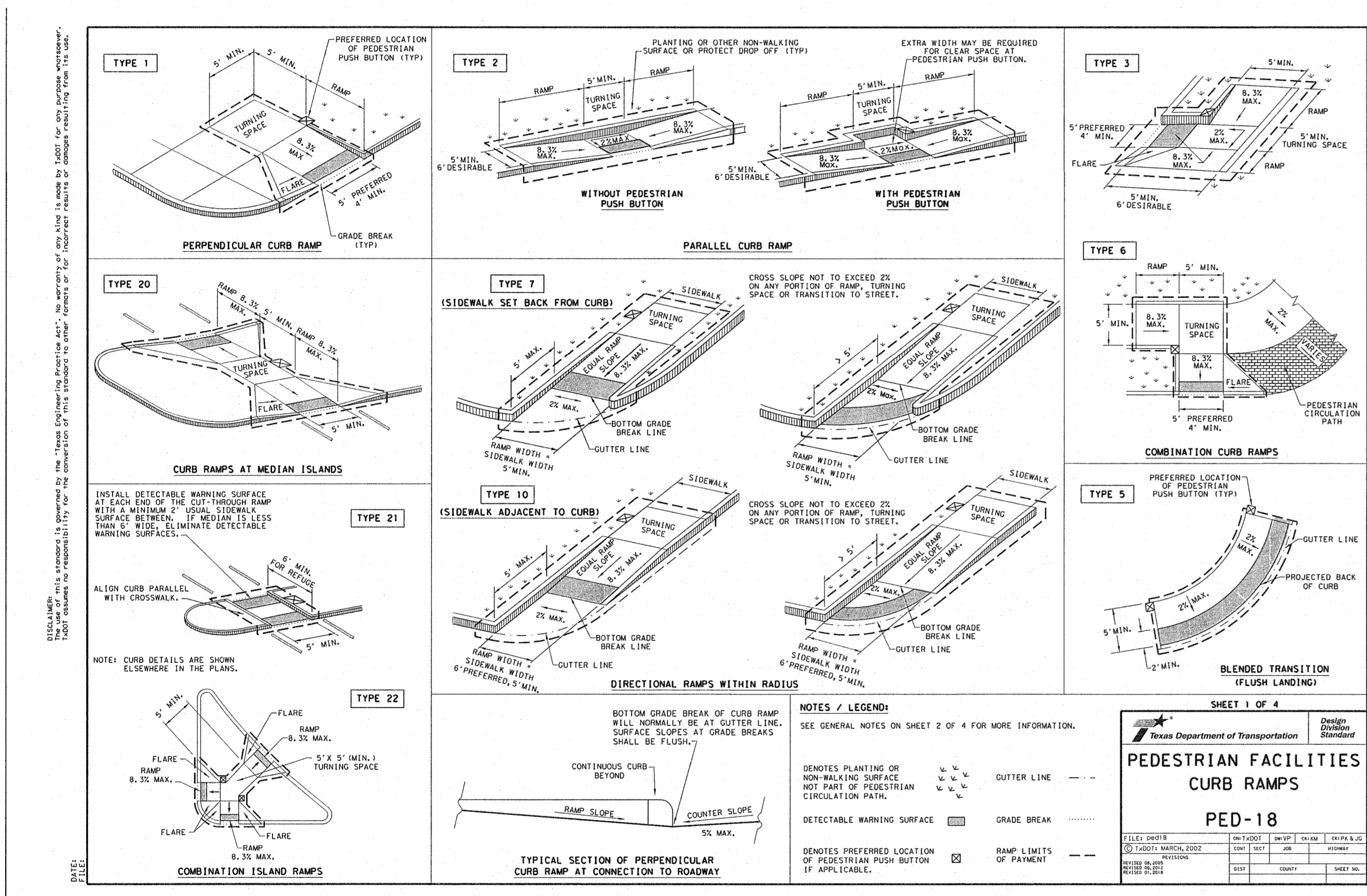
Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD, # 257, SAN ANTONIO, TX, 78216

DATE: 6/15/2012
 JOB NO: 068695010
 DRAWN BY: MJG
 SHEET NUMBER: 2.5.5

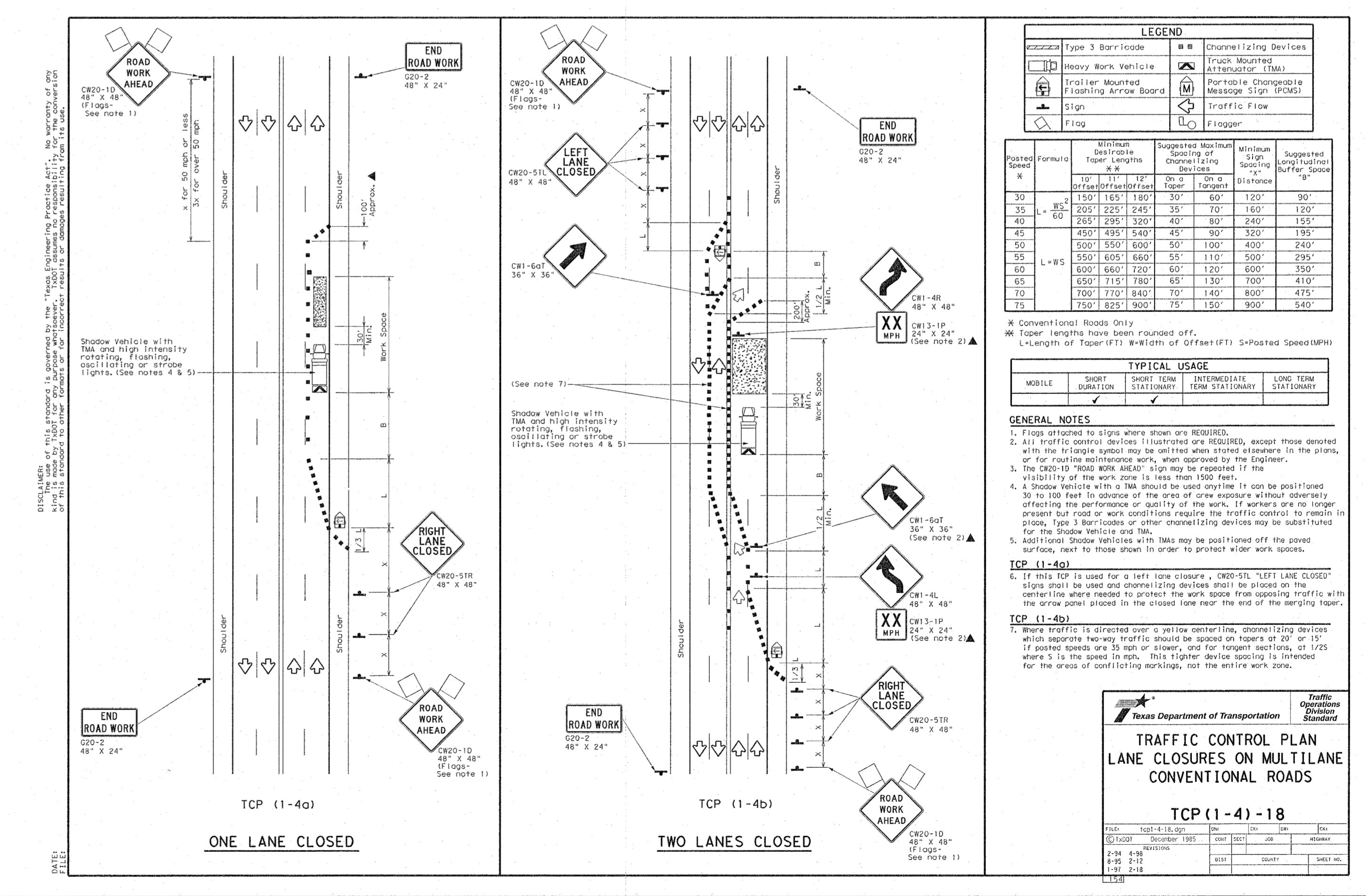
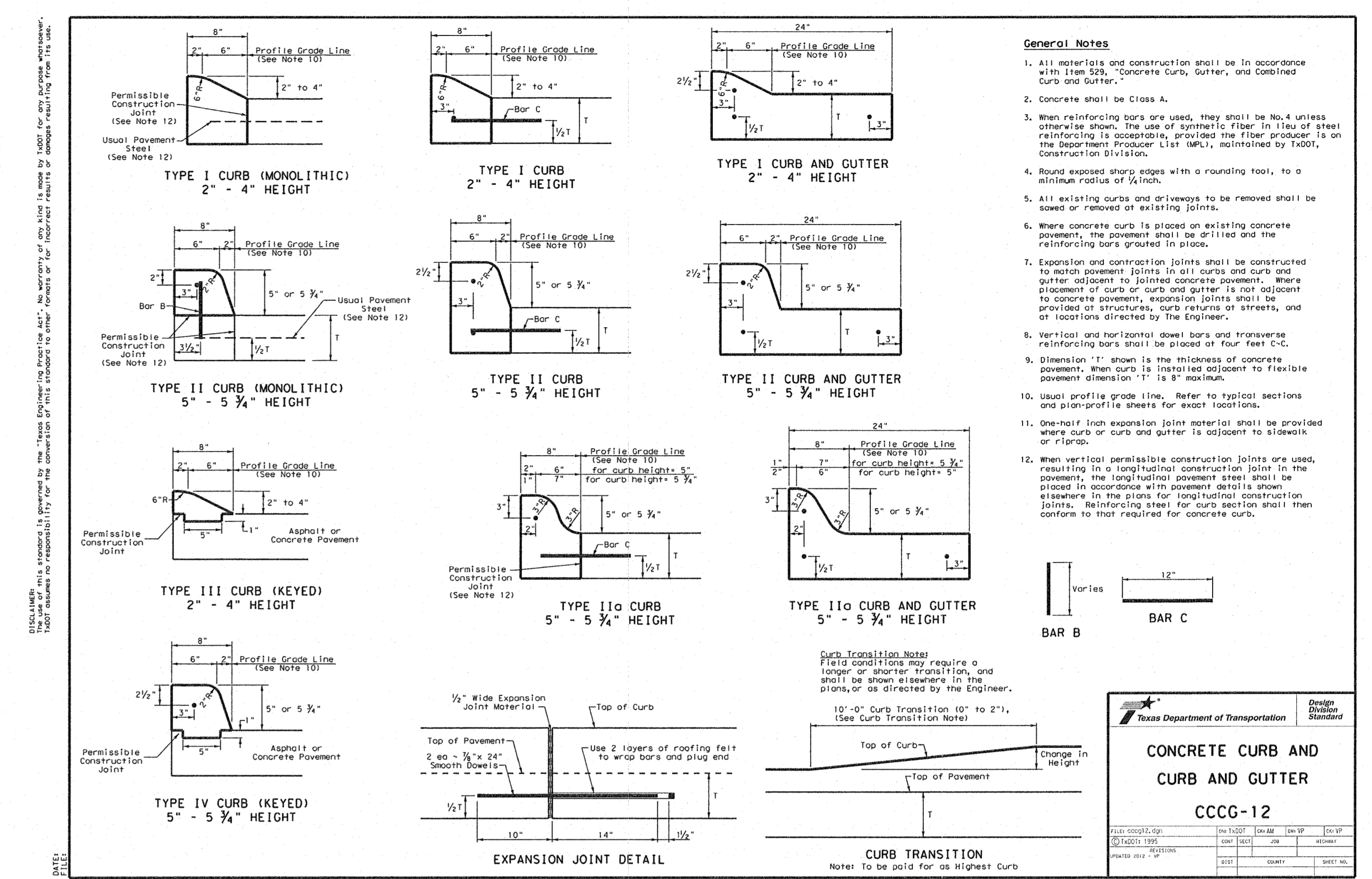
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Printed By: cotto, Matthew June 15, 2022 12:20:14pm K:\SMA_CHINA\068695010-KFC-Dugas\CAD\PlanSheets\C-BTL-068695010.dwg
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D
C
B
A



TEXAS DEPARTMENT OF TRANSPORTATION
Design Division Standard
PEDESTRIAN FACILITIES CURB RAMPS
PED-18
SHEET 1 OF 4



REVISIONS:

TXDOT DETAILS

Kimley-Horn & Associates
10101 REUNION PLACE, SUITE 400, SAN ANTONIO, TX 78216
PHONE: 210-484-1666 FAX: 210-484-1889
WWW.KIMLEY-HORN.COM TSP# 17416-02

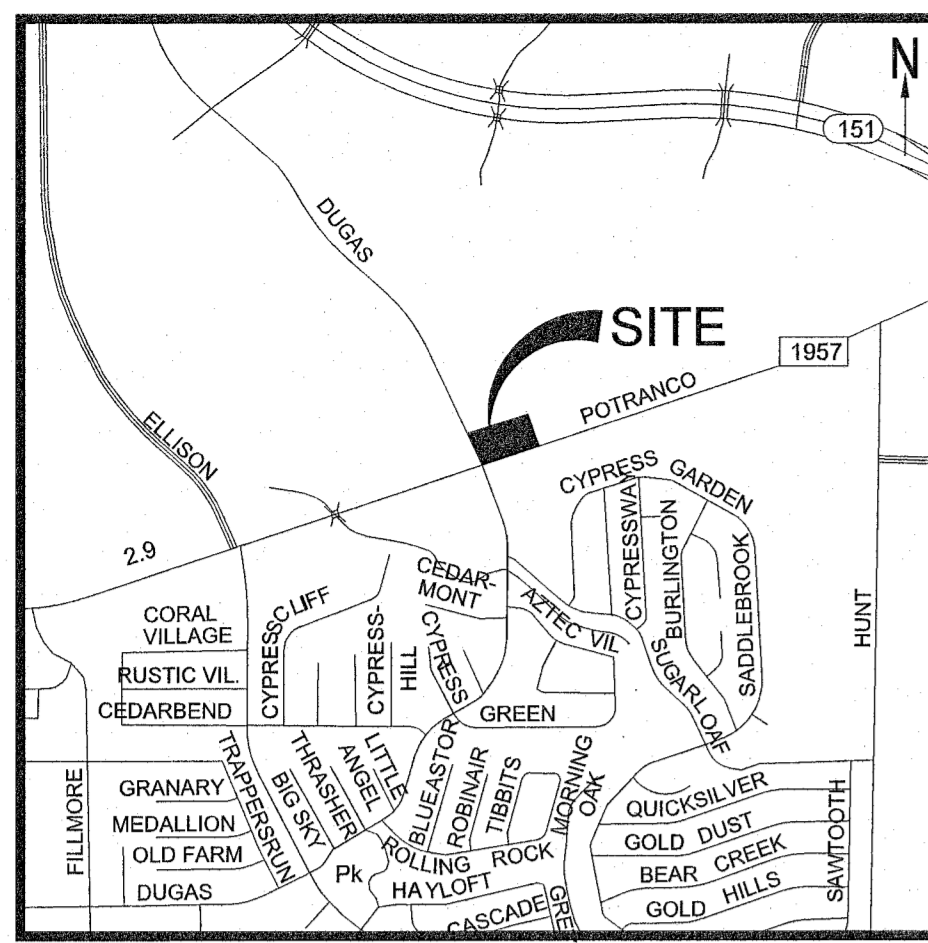
Dugas
9639 Potranco Rd., San Antonio, Tx. 78251

JUN 15 2022

STATE OF TEXAS
JASON R. LIND
106138
LICENSED PROFESSIONAL ENGINEER
6/15/2022

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 6/15/2022
JOB NO: 068695010
DRAWN BY: MJG
SHEET NUMBER: 2.5.6



LOCATION MAP

SCALE: NTS

CITY OF SAN ANTONIO LANDSCAPE ORDINANCE REQUIREMENTS

TREE CANOPY SHADING

- 48,859 SF x 25% = 12,215 SF SHADING REQUIRED
- 08 TREE(S) PROVIDED @ 1200 x 90% = 17 TREE(S) PROVIDED @ 275 x 90% = 12,848 SF (26%) SHADING PROVIDED

70 LANDSCAPE POINTS REQUIRED

(PS) PARKING SHADING = 20 POINTS

- 24,585 SF x 25% = 6,146 SF SHADING REQUIRED
- 8 TREE(S) PROVIDED @ 1200 x 50%
- 3 TREE(S) PROVIDED @ 275 x 75%
- 6 TREE(S) PROVIDED @ 275 x 50% = 6,244 SF (25%) SHADING PROVIDED

PARKING SCREENING = 25 POINTS

(ST) STREET TREES = 25 POINTS

- DUGAS ROAD**
 - 227 LF x 75% = 170 / 30 (OHE)
 - = 6 TREE(S) REQUIRED
- POTRANCO ROAD**
 - 2195 LF x 75% = 146 / 30 (OHE)
 - = 5 TREE(S) REQUIRED

TOTAL POINTS PER PLAN = 70 POINTS

BUFFERS

- TYPE 'B' 15' ADJOINING STREET BUFFER PROVIDED ALONG:
 - POTRANCO ROAD - 195 LF

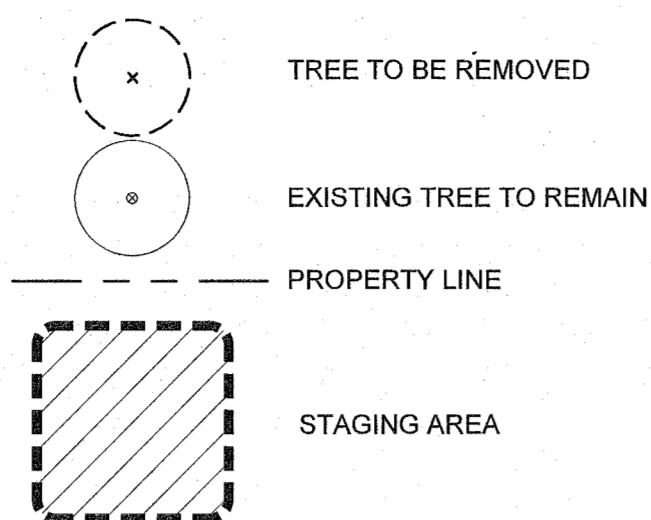
REQUIRED	PROVIDED
2,925 SF NET BUFFER YARD AREA REQUIRED	✓
14 LARGE SPECIES TREES REQUIRED	✓
4 SMALL SPECIES TREES REQUIRED	✓
16 LARGE SPECIES SHRUBS REQUIRED	✓
24 MEDIUM SPECIES SHRUBS REQUIRED	✓

*SMALL TREES USED DUE TO OHE

IRRIGATION

- IRRIGATION SYSTEM PROVIDED REF. IRRIGATION DRAWING(S).

LEGEND

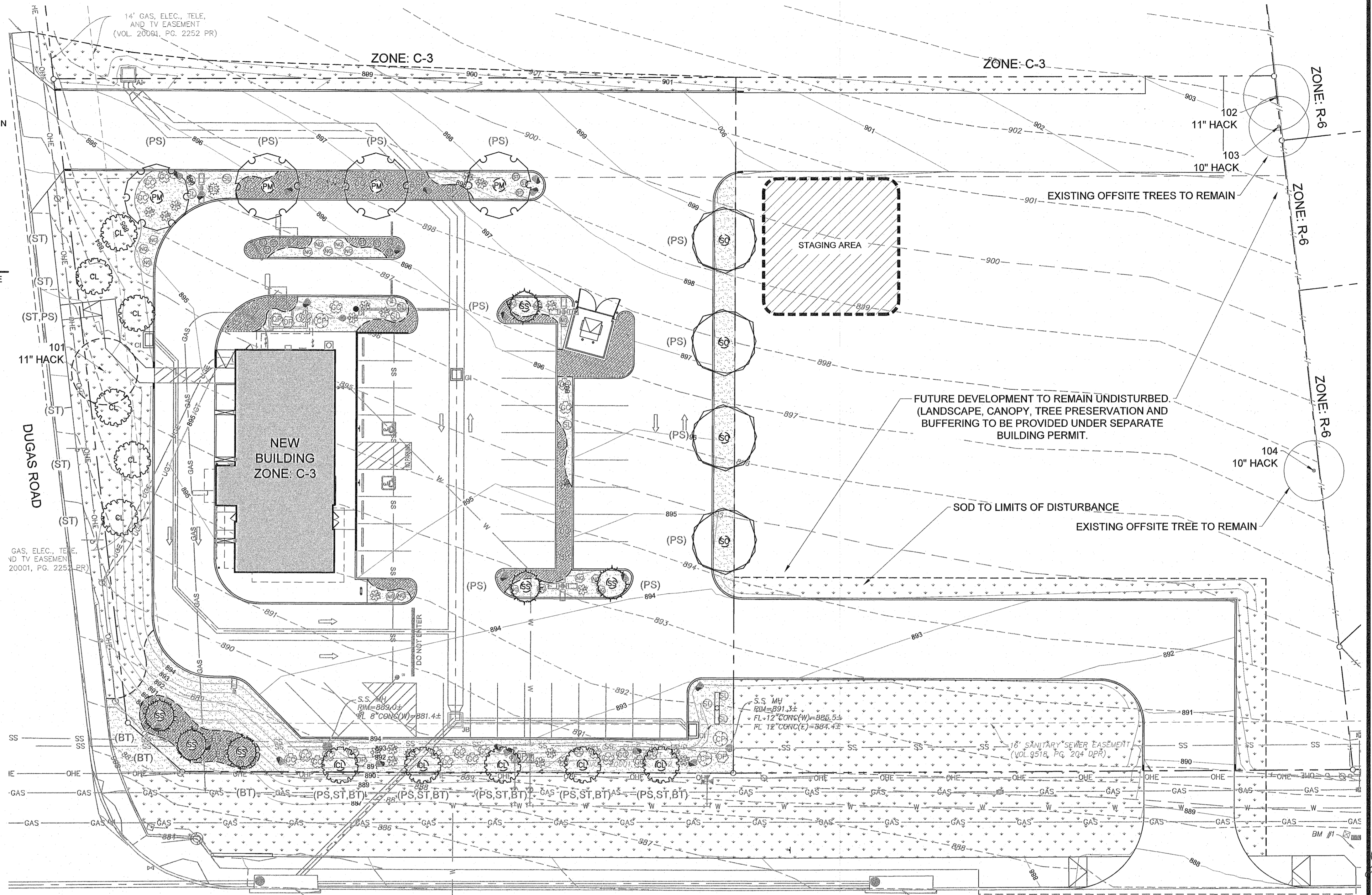


TREE DESIGNATIONS

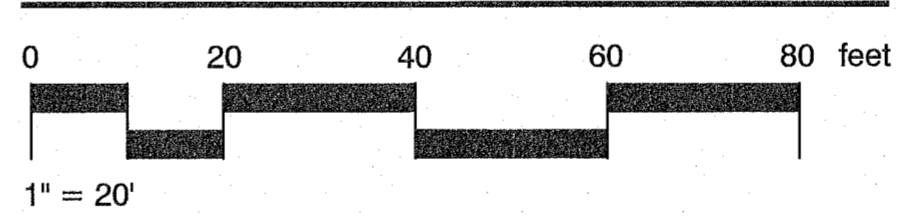
(PS) = PARKING LOT SHADING & CANOPY TREE
 (ST) = STREET TREE & CANOPY TREE
 (BT) = BUFFER TREE
 (CT) = CANOPY TREE

TREE INVENTORY

KEY	CAL. (*)	SPECIES	P	R	RPZ	COMMENT
101	11	HACKBERRY	X			EASEMENT
102	11	HACKBERRY	X			OUTSIDE OF LIMITS
103	10	HACKBERRY	X			OUTSIDE OF LIMITS
104	10	HACKBERRY	X			OUTSIDE OF LIMITS



LANDSCAPE PLAN



PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	CONT	CAL	SIZE
	CL	DESERT WILLOW / CHILOPSIS LINEARIS 'BURGUNDY' MULTI-TRUNK	CONT.	2" CAL	6'-8"H, 3'-4"S
	PM	MEXICAN SYCAMORE / PLATANUS MEXICANA MATCHING, STRAIGHT TRUNK	CONT.	2" CAL	10'-12"H, 5'-6"S
	SO	SHUMARD RED OAK / QUERCUS SHUMARDII MATCHING SPECIMENS	CONT.	2" CAL	8'-10"H, 3'-4"S
	SS	TEXAS MOUNTAIN LAUREL / SOPHORA SECUNDIFLORA MULTI TRUNK	CONT.	2" CAL	6'-8"H, 3'-4"S
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	CONT		
	SOD	BERMUDA GRASS VAR. TIFTUF / CYNODON DACTYLON FRESH CUT SOLID SOD, TIGHT SAND ROLLED JOINTS, WEED FREE.	SOD		

PLANT SCHEDULE

SHRUBS	CODE	COMMON / BOTANICAL NAME	CONT	SIZE
	BS	BLUE SOTOL / DASYLIRON WHEELERI FULL, WELL ROOTED	5 GAL	24"-36"H, 18"-24"S
	GC	GREY-LEAF COTONEASTER / GREY-LEAF COTONEASTER FULL, WELL ROOTED	5 GAL	18"-24"H, 18"-24"S
	CP	MEXICAN BIRD OF PARADISE / CAESALPINIA PULCHERRIMA FULL, WELL ROOTED	5 GAL	18"-24"H, 18"-24"S
	ST	MEXICAN FEATHER GRASS / STIPA TENACISSIMA FULL, WELL ROOTED	1 GAL	8"-10"H - 8"-10"S
	NG	NEW GOLD LANTANA / LANTANA X 'NEW GOLD' FULL, WELL ROOTED	1 GAL	8"-10"H - 8"-10"S
	HP	RED YUCCA / HESPERALOE PARVIFLORA FULL, WELL ROOTED	5 GAL	18"-24"H, 18"-24"S
	SL	SOFT LEAF YUCCA / YUCCA RECURVIFOLIA FULL, WELL ROOTED	5 GAL	18"-24"H, 18"-24"S
	OP	SPINELESS PRICKLY PEAR / OPUNTIA FICUS INDICA FULL, WELL ROOTED	5 GAL	18"-24"H, 18"-24"S

LANDSCAPE MATERIAL SCHEDULE

SYMBOL	CODE	DESCRIPTION	SIZE/ CONDITION
	BLD	(20) SMALL LIMESTONE BOULDERS	3'X3' TO 4'X4', BOULDERS TO BE WIDER THAN THEY ARE TALL & BURIED AT WIDEST POINT REFERENCE DETAIL 11/ SHT. 2.7.2
	GRA	TEXAS BLEND RIVER GRAVEL ON 5oz. WEED BARRIER FABRIC	4" DEPTH, 2"-4" DIA. WASHED, ON FILTER FABRIC. REFERENCE DETAIL 09/ SHT. 2.7.2
	DG	DECOMPOSED GRANITE TEXAS PINK GRANITE	3" DEPTH COMPACTED ON FILTER FABRIC REFERENCE DETAIL 10/ SHT. 2.7.2
	EDG	EDGING ALUMINUM EDGER	3/16" x 4" STAKED, PAINTED GREEN REFERENCE DETAIL 08/ SHT. 2.7.2

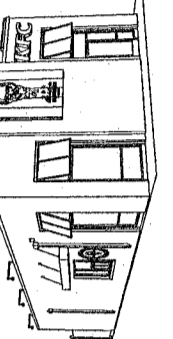
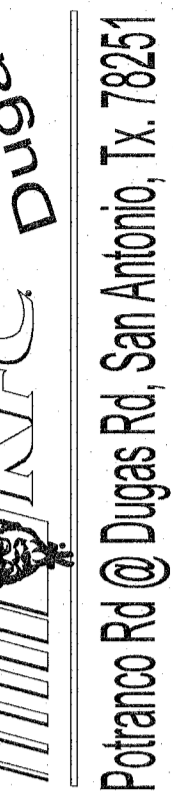
NOTE:

- EACH NEW TREE IS TO BE GROWN IN A NURSERY (NOT FIELD DUG).
- BID "UNIT" PRICES FOR ALL ITEMS
- QUANTITIES ON THE PLANS ARE ESTIMATES ONLY. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND IS RESPONSIBLE FOR INCLUDING IN THE BID THE PLANTING AND/OR INSTALLATION OF ALL ITEMS SHOWN ON THE PLAN IN ACCORDANCE WITH THE SPECIFICATION. ANY ERRORS ON THE PLAN OR QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, BY THE CONTRACTOR, PRIOR TO SUBMITTAL OF THIS BID.
- ALL TREES TO HAVE SINGLE, STRAIGHT, UNCUT LEADER, UNLESS OTHERWISE NOTED.

NOTE: THE SITE INFORMATION SHOWN ON THIS PLAN IS FROM A SITE PLAN PROVIDED BY THE OWNER, ARCHITECT, OR CIVIL ENGINEERING COMPANY HIRED BY THE OWNER. VERIFY ALL DIMENSIONS WITH THE DIMENSIONAL CONTROL PLAN AND COORDINATE WITH ALL OTHER CONTRACT DOCUMENTS ASSOCIATED WITH THIS PROJECT.

REVISIONS:

LANDSCAPE PLAN



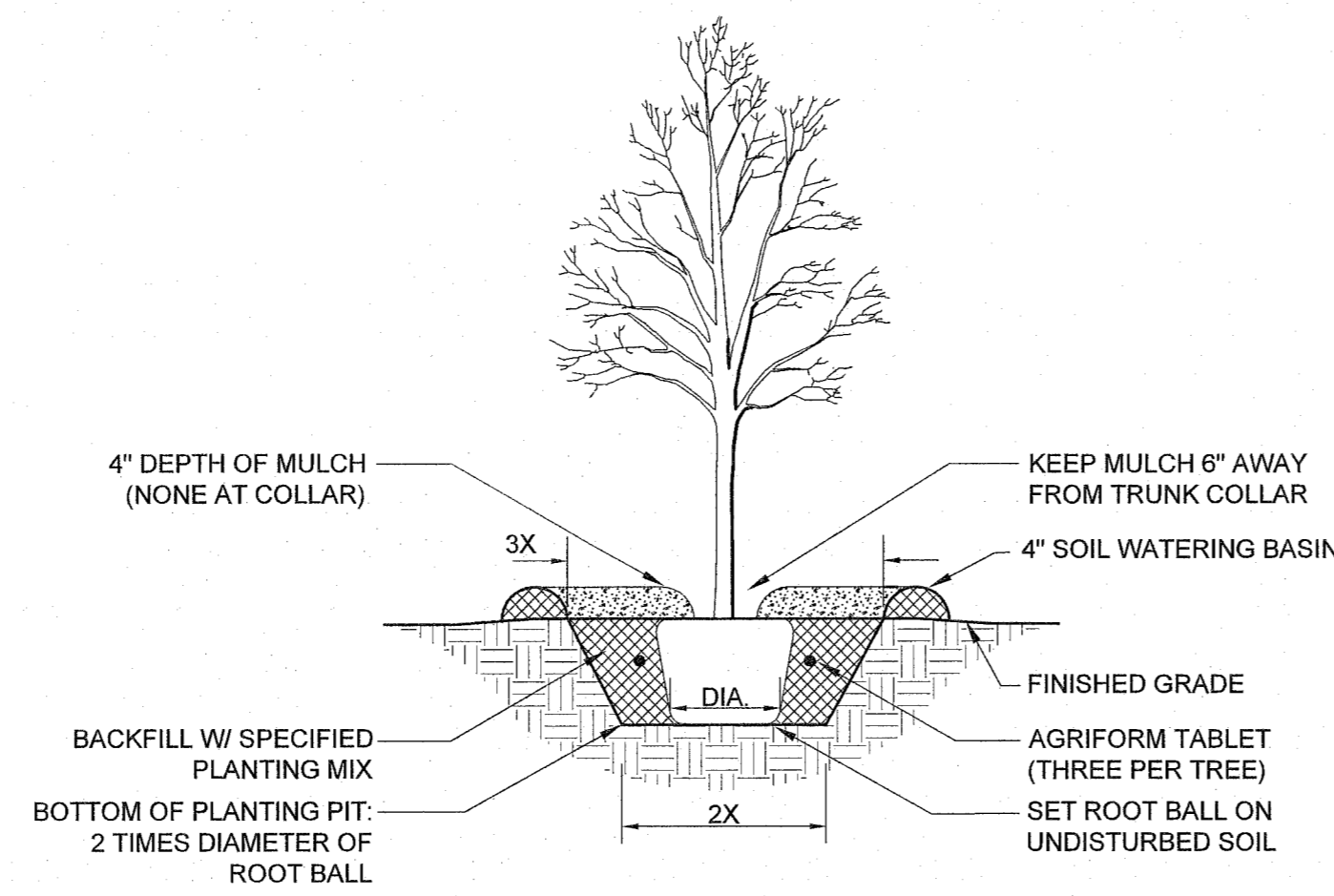
COOPER LOCHTE
 LANDSCAPE ARCHITECTURE LLC
 2001 S. WOODWAY, SUITE 100, ARLINGTON, TEXAS 76010
 C.L.A. JOB NO.: 22-027



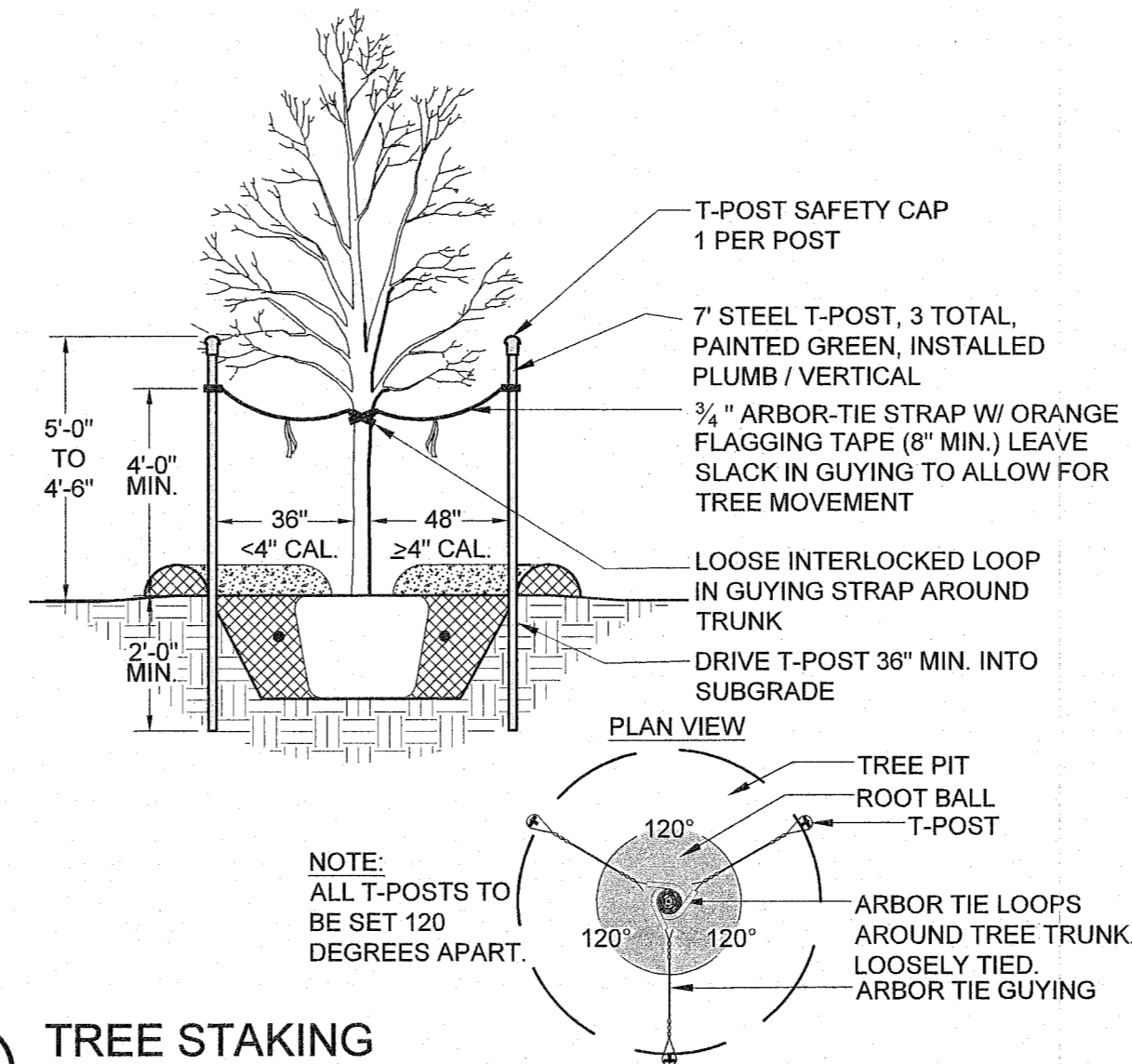
Charles William Pope & Associates
 ARCHITECTURE CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX 78216

DATE: 6/15/2022
 JOB NO: 44343
 DRAWN BY: JL & BL
 SHEET NUMBER:

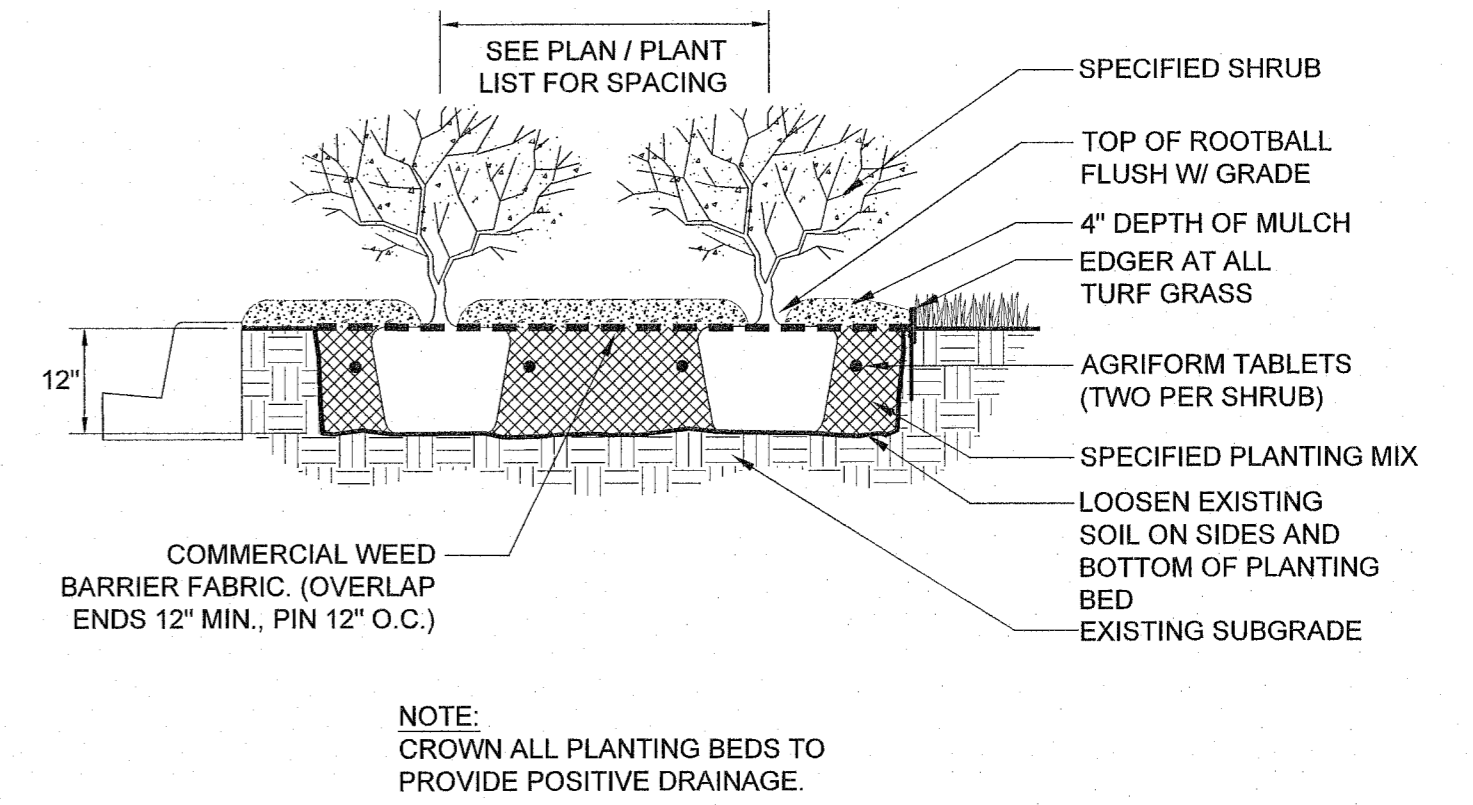
2.7.1
 OF 5



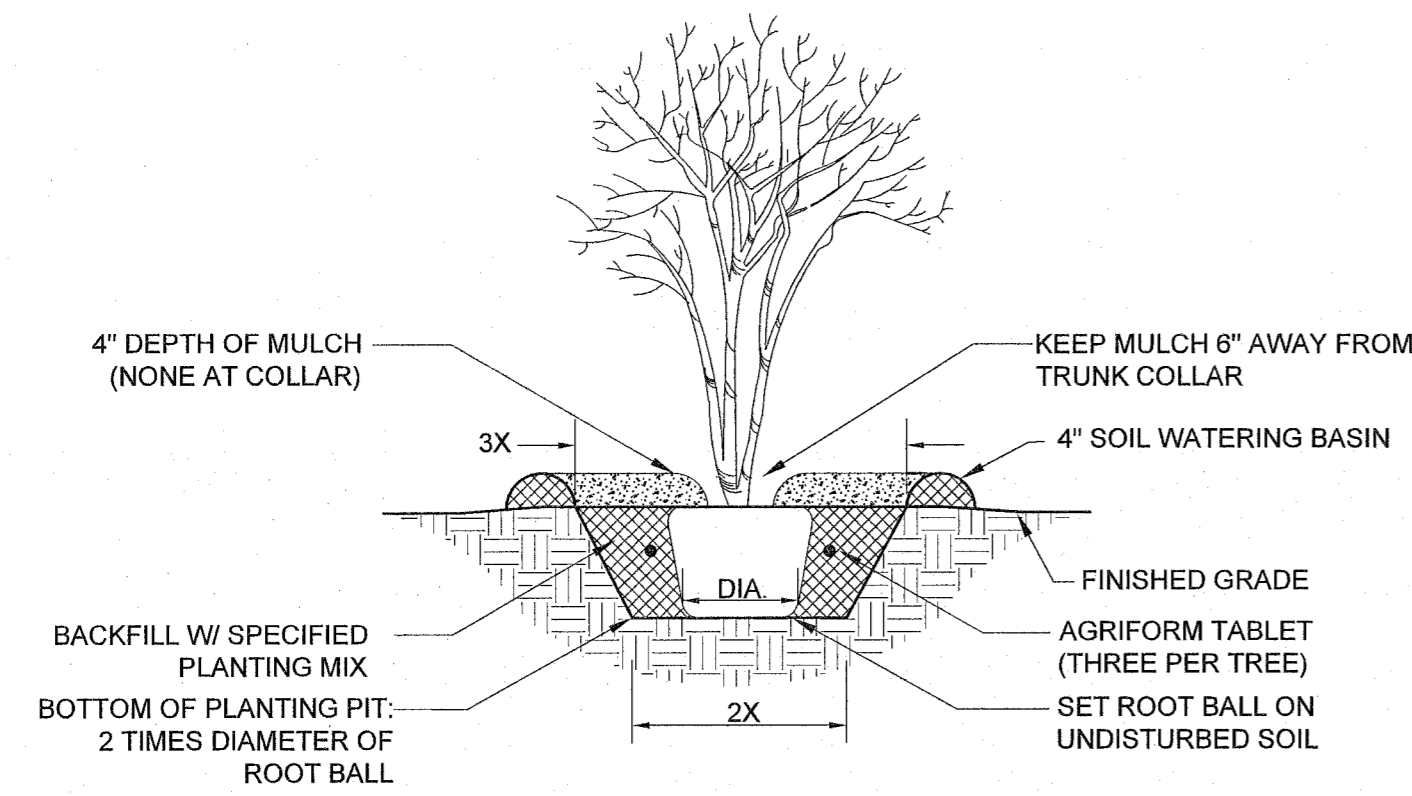
01 TREE PLANTING
N.T.S.



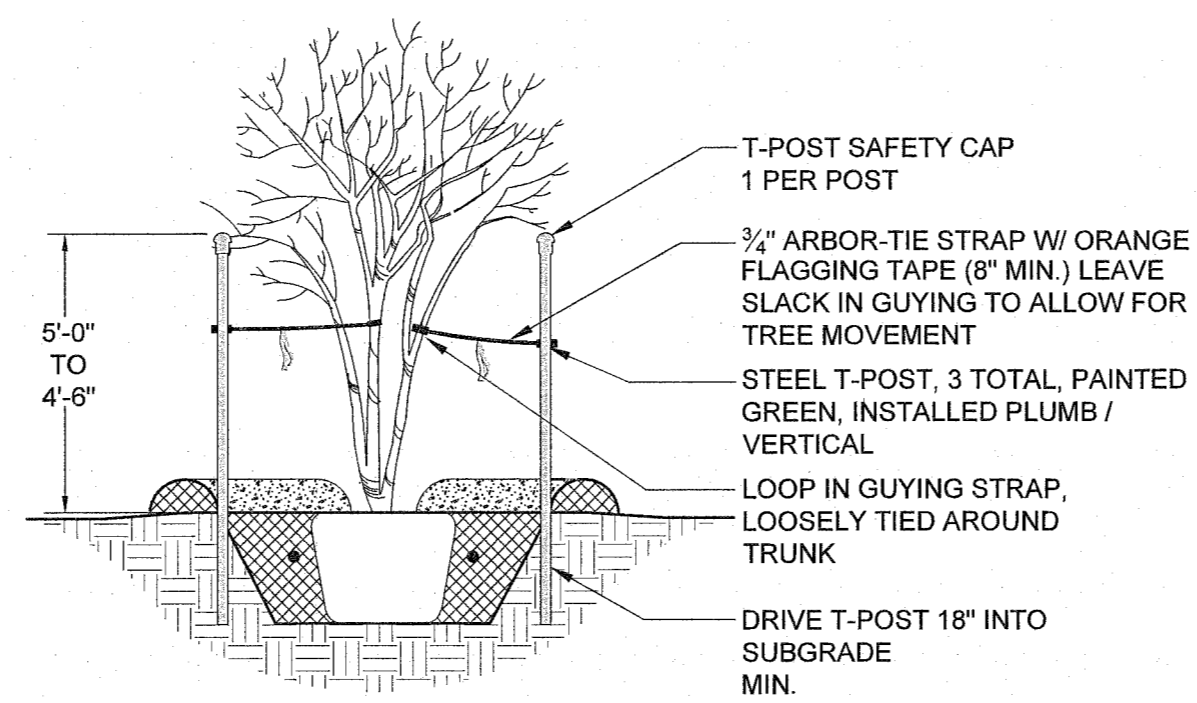
02 TREE STAKING
N.T.S.



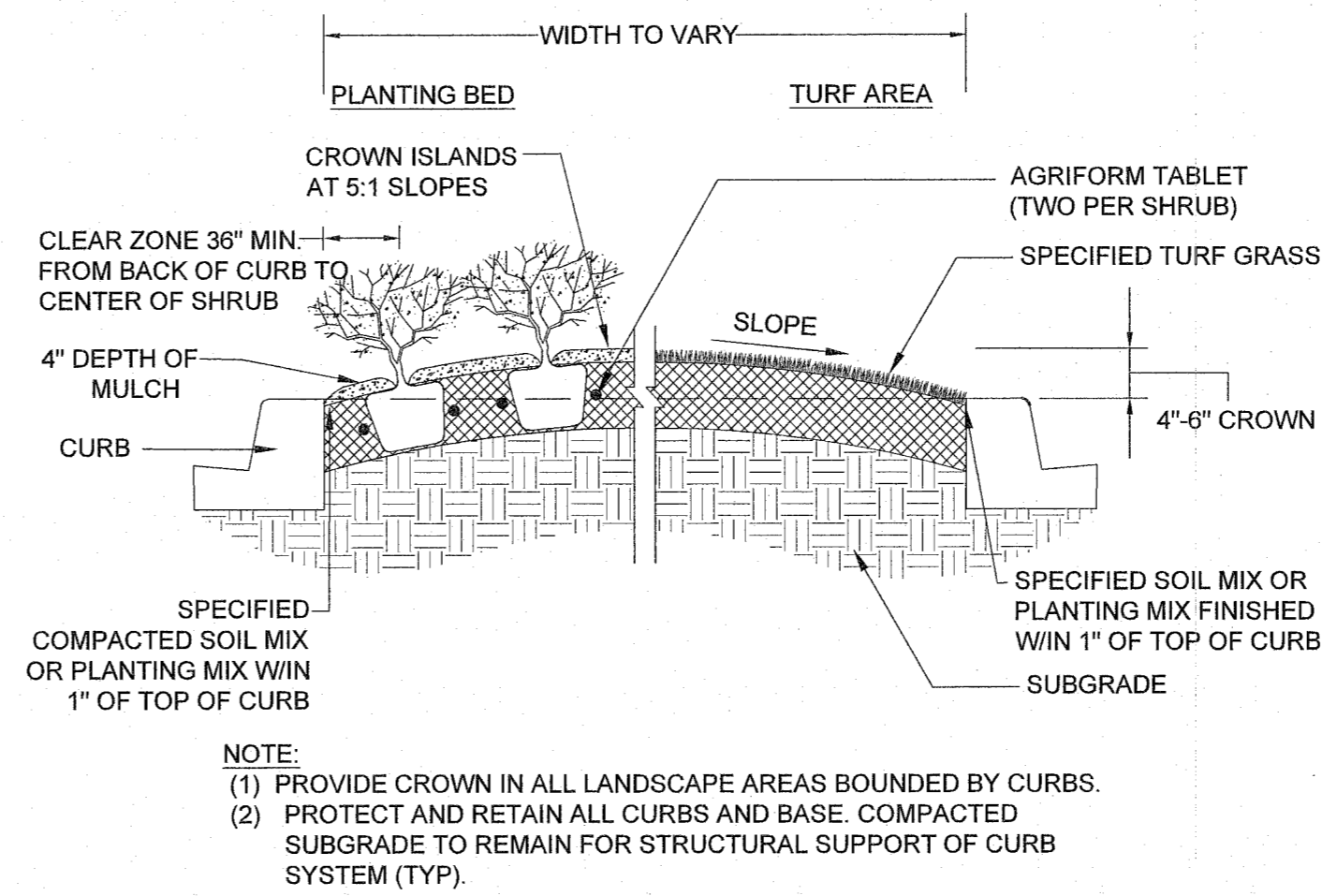
03 SHRUB AND GROUNDCOVER PLANTING
N.T.S.



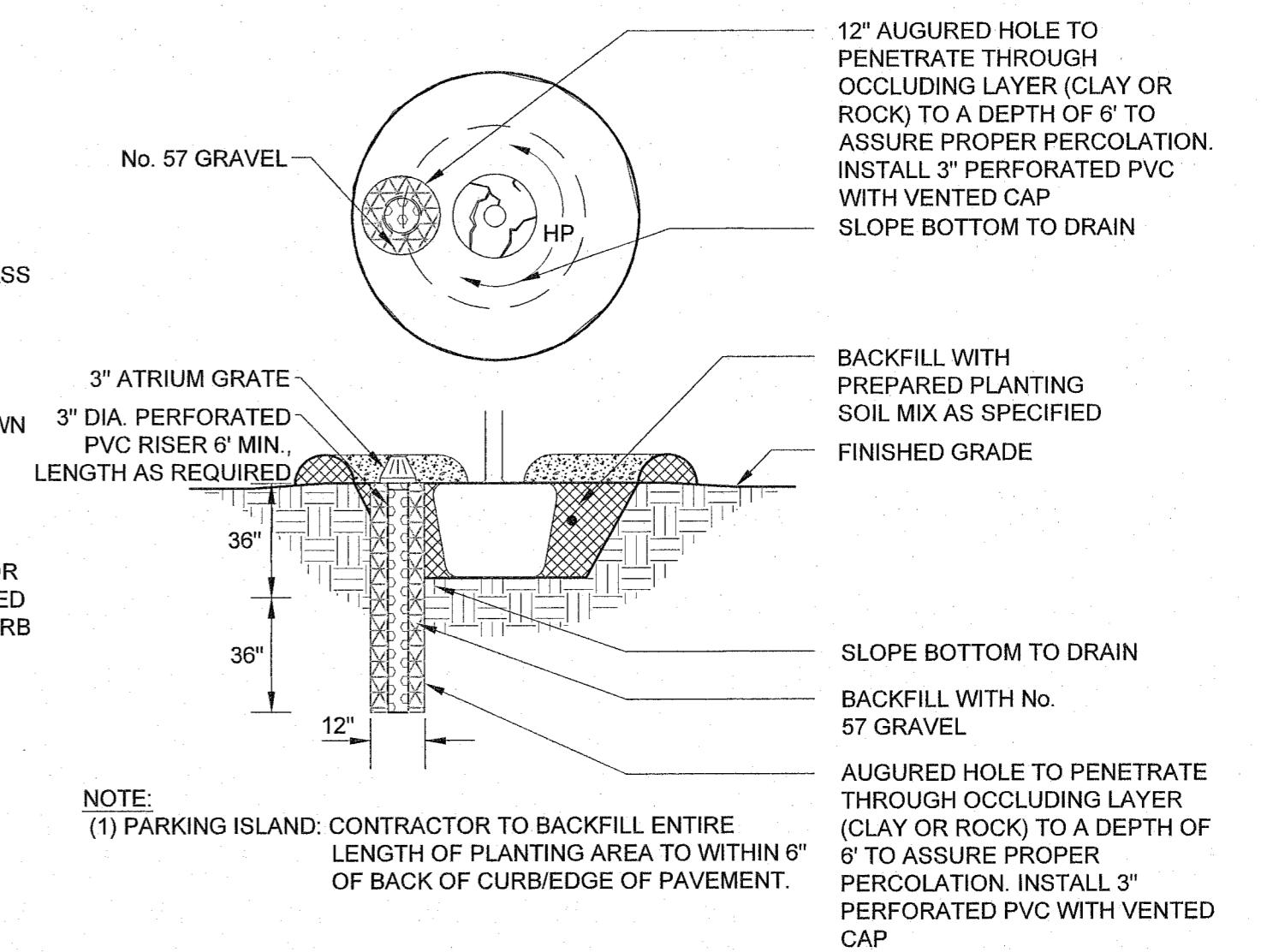
04 MULTI-TRUNK TREE PLANTING
N.T.S.



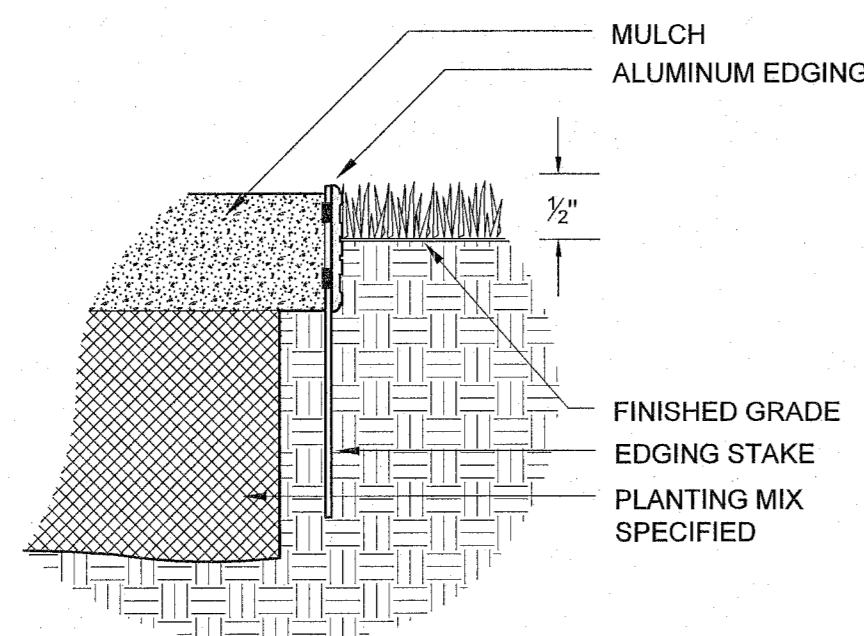
05 MULTI-TRUNK TREE STAKING
N.T.S.



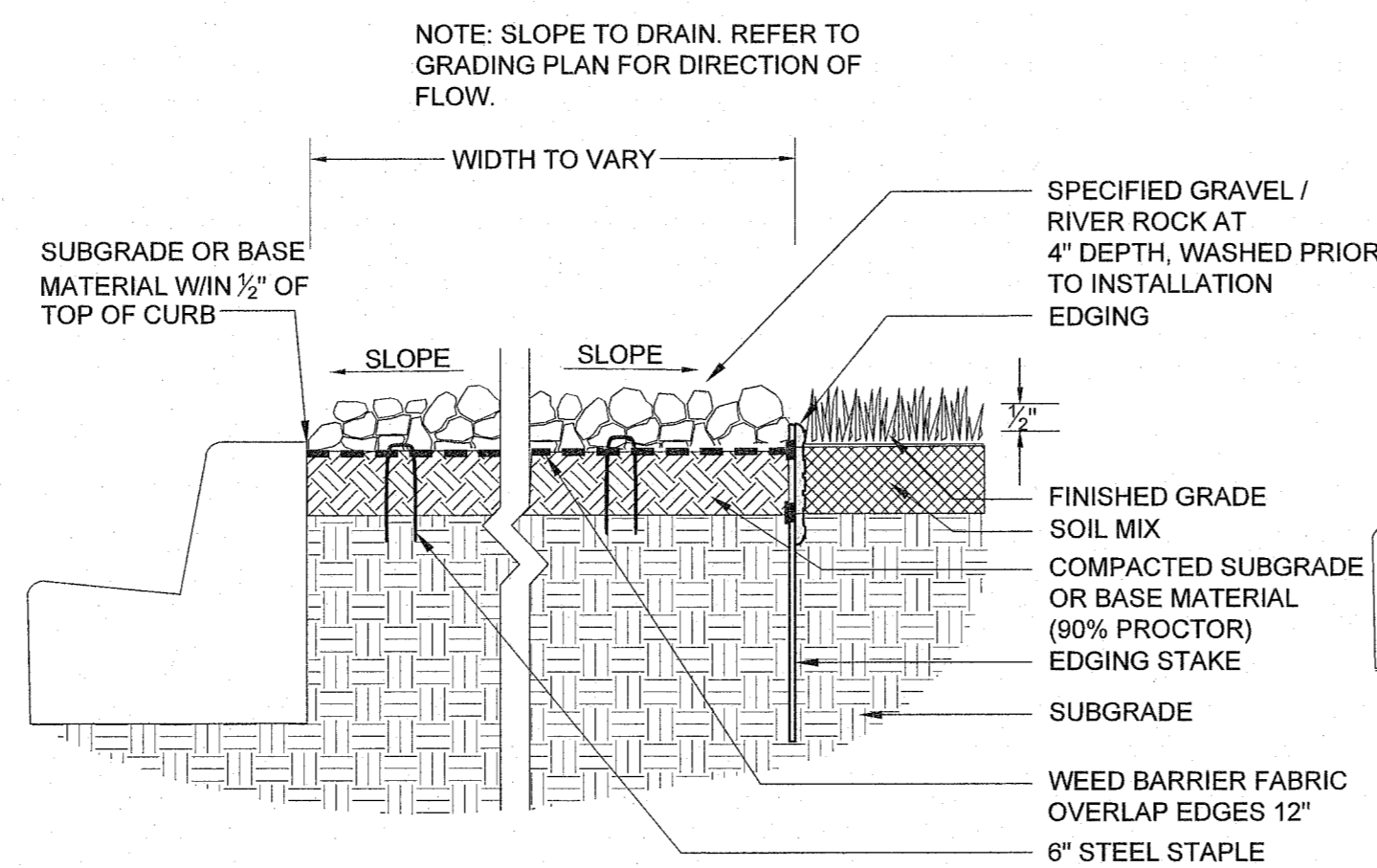
06 LANDSCAPE MEDIANS AND PARKING ISLANDS
N.T.S.



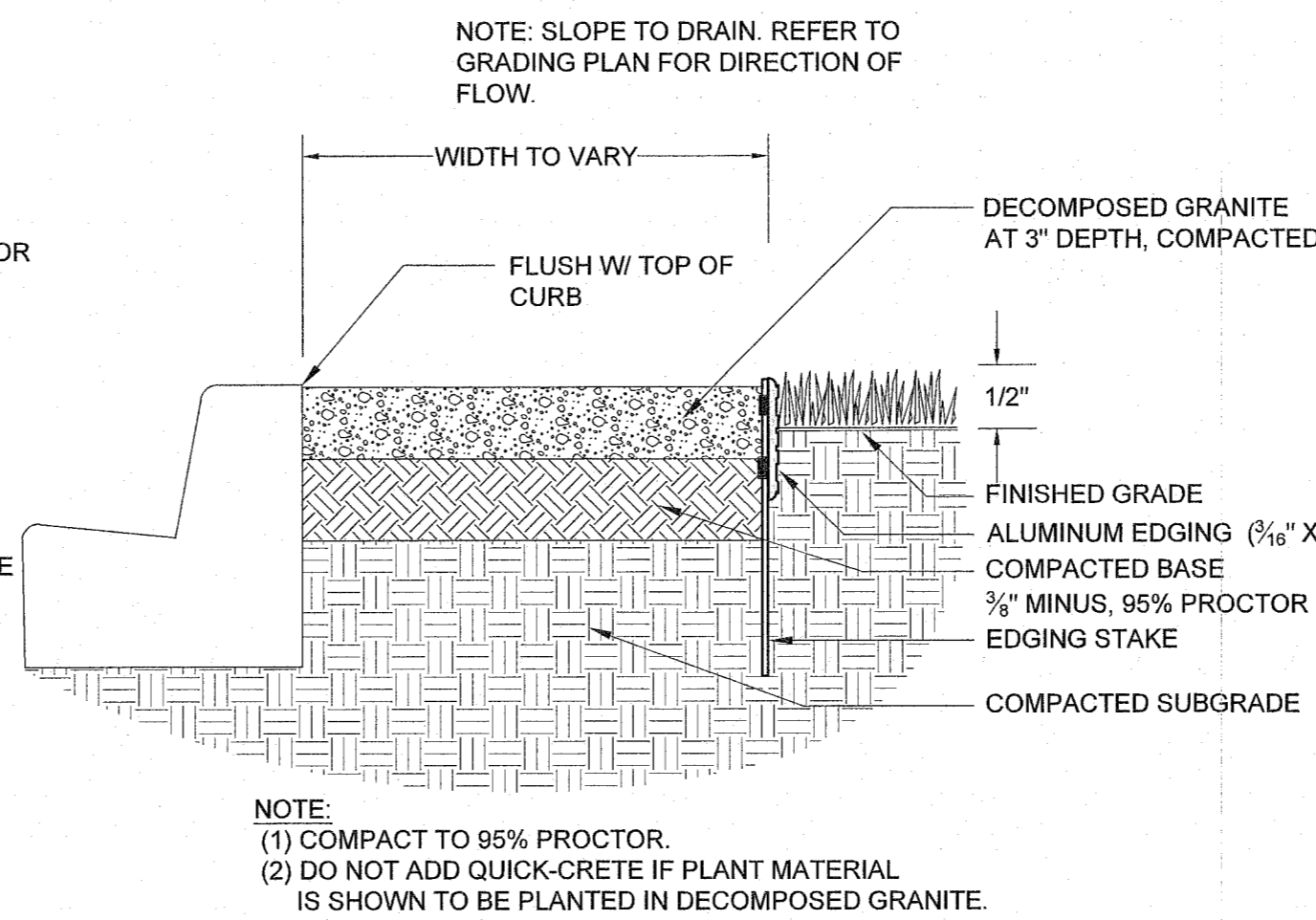
07 POOR DRAINAGE CONDITION
N.T.S.



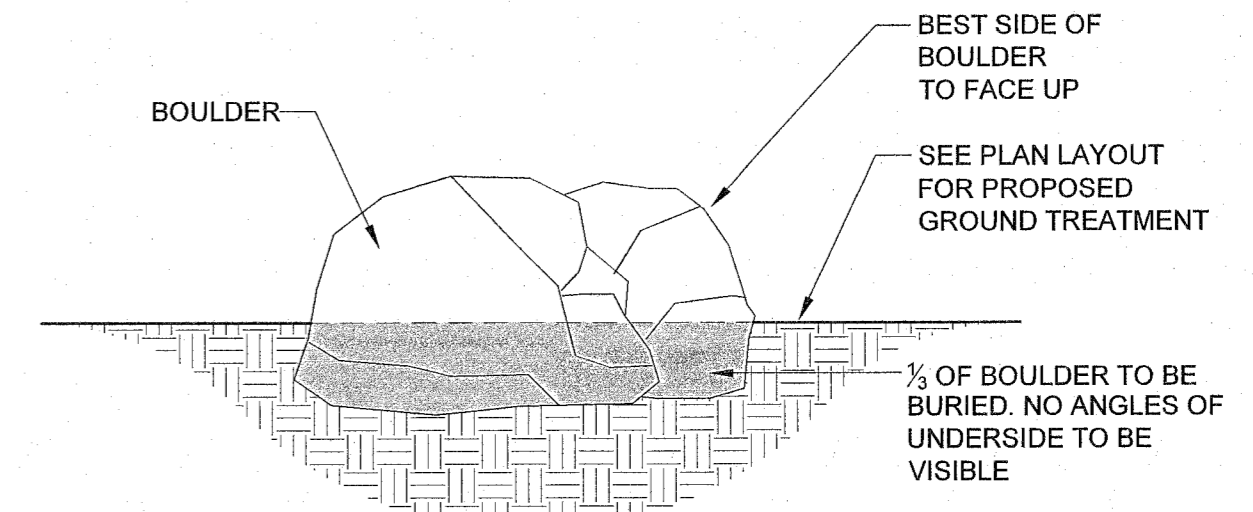
08 ALUMINUM EDGING
N.T.S.



09 GRAVEL / RIVER ROCK AT CURB/ EDGER
N.T.S.



10 DECOMPOSED GRANITE
N.T.S.



11 LANDSCAPE BOULDERS
N.T.S.

REVISIONS:

LANDSCAPE DETAILS
KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

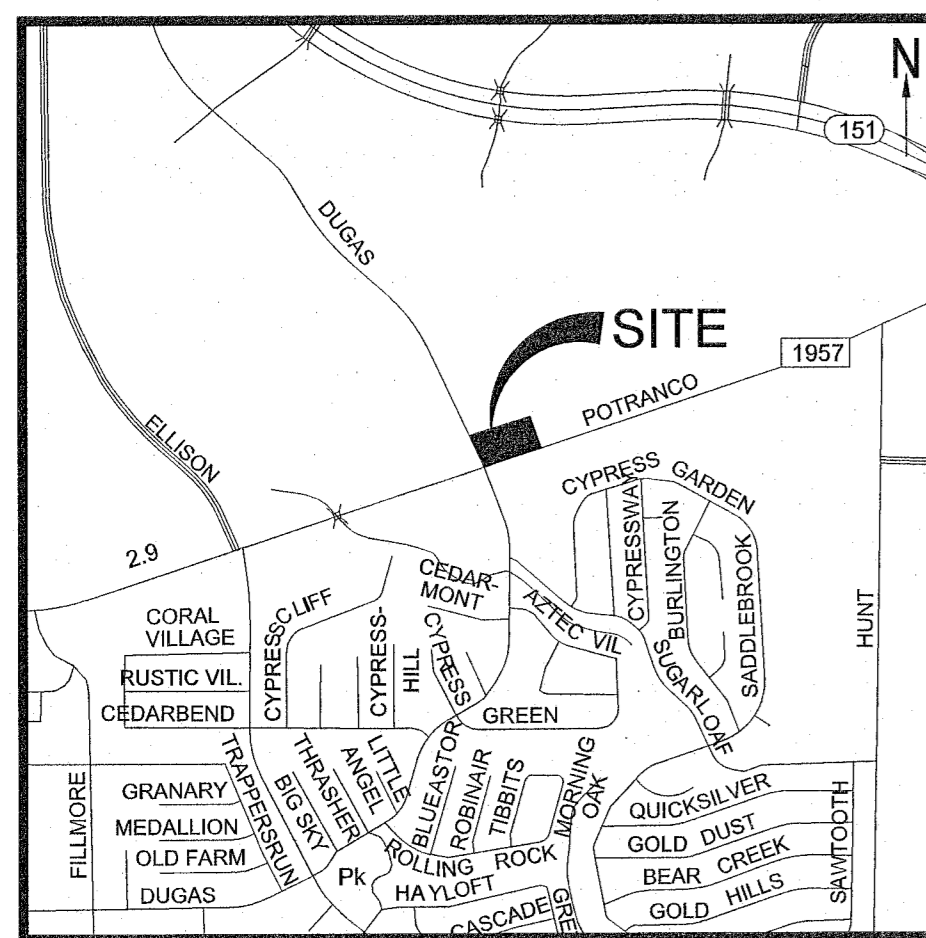
COOPER LOCHTE
LANDSCAPE ARCHITECTURE, L.L.C.
REGISTERED LANDSCAPE ARCHITECT
STATE OF TEXAS
2518
6/15/2022
CLA JOB NO.: 22-027

JUN 16 2022

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 6.15.2022
JOB NO: 44343
DRAWN BY: JL & BL
SHEET NUMBER:

2.7.2
OF 5



LOCATION MAP

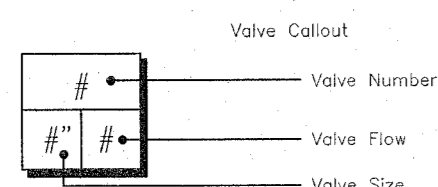
SCALE: NTS

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY 8 SERIES MPR RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY 10 SERIES MPR RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY 12 SERIES MPR RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY 15 SERIES MPR RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY ADJ RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	TURF SPRAY ADJ RAIN BIRD RD-04; TURF SPRAY, 4.0" POP-UP, SEAL-A-MATIC CHECK VALVE.	30
⊙ ⊙ ⊙ ⊙ ⊙	RAIN BIRD 1 806-SAM-PRS-1400 FLOOD 1401 FLOOD BUBBLER, 6.0" POPUP WITH CHECK VALVE AND PRESSURE REGULATOR	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
⊙	DRIP CONTROL VALVE HF NETAFIM LVC258010075 HF; 1" SERIES 80 CONTROL VALVE, 3/4" DISC FILTER, AND HIGH FLOW PRESSURE REGULATOR 4.5GPM TO 17.6GPM.
⊙	PIPE TRANSITION POINT IN DRIP BOX PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6" DRIP BOX.
⊙	AREA TO RECEIVE DRIPLINE DRIPLINE TUBING NETAFIM TLV-QC-12; TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.

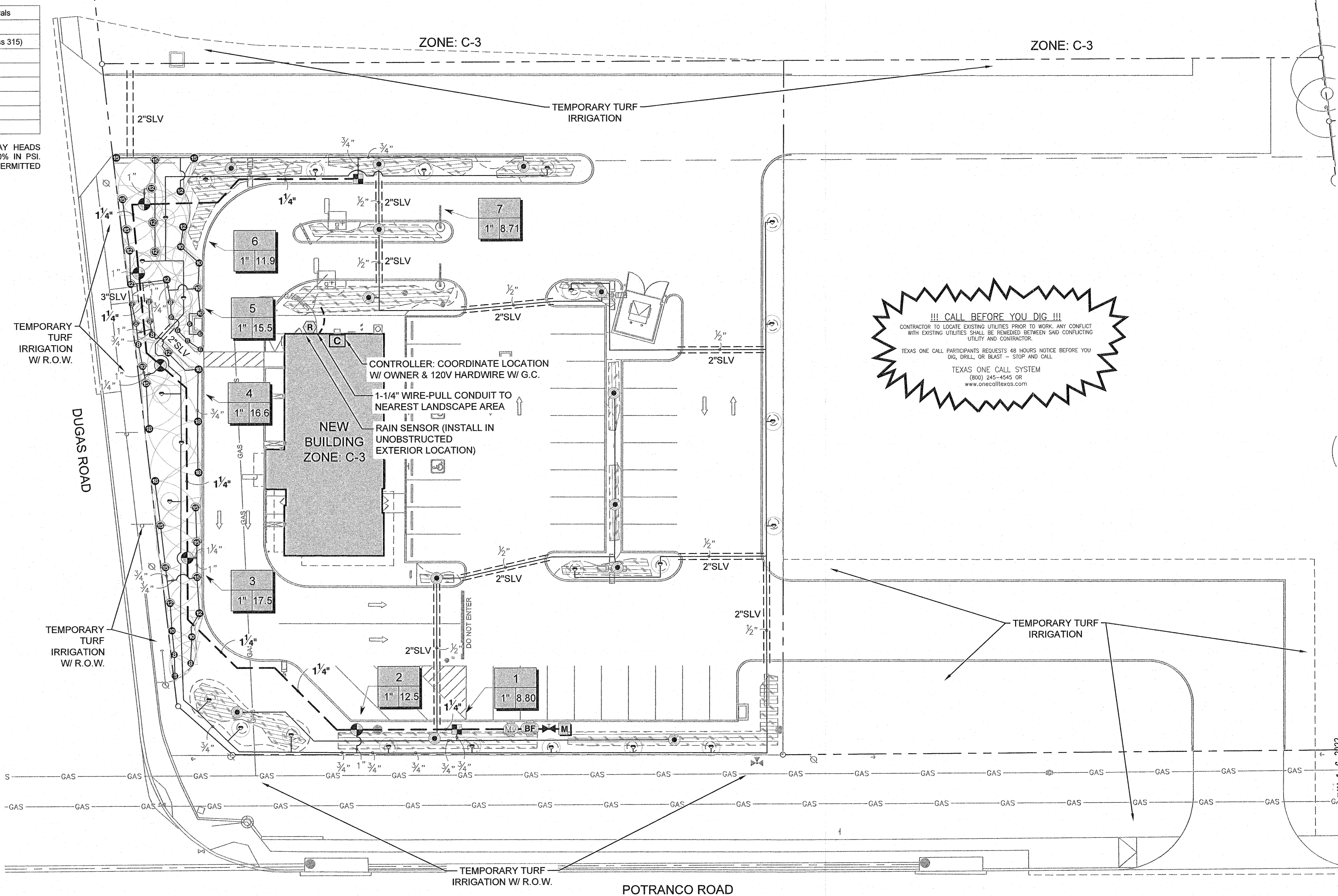
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
⊙	RAIN BIRD PEB PLASTIC INDUSTRIAL VALVES. GLOBE CONFIGURATION. SIZE AS SHOWN.
⊙	SHUT OFF VALVE SCH. 80 PVC BALL VALVE MANUFACTURED BY SPEARS.
⊙	MASTER VALVE 1" RAIN BIRD PEB. PLASTIC ELECTRIC MASTER VALVE, SAME SIZE AS MAINLINE.
⊙	BACKFLOW DEVICE 1" DOUBLE CHECK BACKFLOW PREVENTION WITH UNION END BALL VALVE. SIZE AS SHOWN. LEAD FREE.
⊙	RAIN BIRD ESPAME HYBRID MODULAR INTERIOR CONTROLLER.
⊙	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.
⊙	WATER METER 1" IRRIGATION ONLY WATER METER, REF. CIVIL.
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 LATERALS 3/4" & LARGER, LABELED W/ ALL OTHER BEING 1/2" CLASS 315 PVC.
---	LATERALS 1" & LARGER, LABELED W/ ALL OTHER BEING 3/4" CLASS 200 PVC. 1/2" PVC NOT USED.
---	IRRIGATION MAINLINE: PVC SCHEDULE 40
---	PIPE SLEEVE: PVC SCHEDULE 40



PIPE SIZING REQUIREMENTS: (Based on Class 200 PVC laterals except 1/2" laterals to be Class 315 PVC)

Flow (gpm)	Pipe Size	Class
0.1 to 4.0	1/2"	(Class 315)
4.1 to 8.0	3/4"	
8.1 to 13.0	1"	
13.1 to 23.0	1-1/4"	
23.1 to 32.0	1-1/2"	
32.1 to 53.0	2"	
53.1 to 74.0	2-1/2"	

NOTE: SIZE LATERAL PIPE SUCH THAT NO TWO SPRAY HEADS WITHIN THE SAME ZONE MAY VARY BY MORE THAN 10% IN PSI. RULE-OF-THUMB PIPE SIZING IS NOT ACCEPTABLE NOR PERMITTED IN RUNS LONGER THAN 100'.



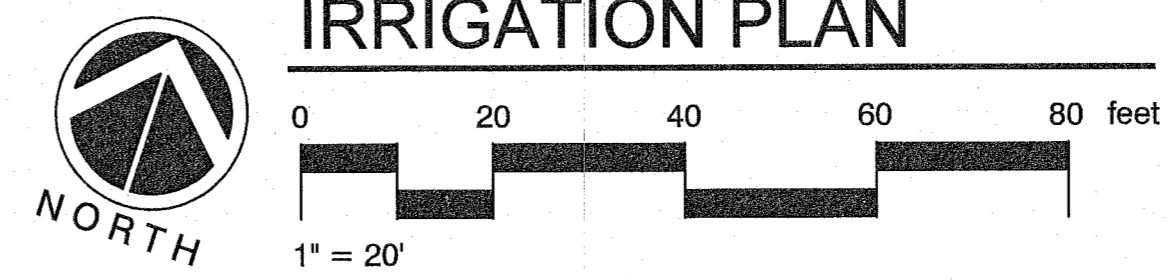
VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
1	DRIP CONTROL VALVE HF	1"	AREA FOR DRIPLINE	8.80	41.57	51.6	0.64 in/h
2	RAIN BIRD PEB	1"	BUBBLER	12.50	40.94	52.56	1.7 in/h
3	RAIN BIRD PEB	1"	TURF SPRAY	17.51	34.3	49.44	1.53 in/h
4	RAIN BIRD PEB	1"	TURF SPRAY	16.58	34.16	50.03	1.41 in/h
5	RAIN BIRD PEB	1"	TURF SPRAY	15.53	33.82	49.49	1.39 in/h
6	RAIN BIRD PEB	1"	TURF SPRAY	11.94	32.86	46.57	1.25 in/h
7	DRIP CONTROL VALVE HF	1"	AREA FOR DRIPLINE	8.71	41.77	53.61	0.64 in/h

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	IN/WEEK	MIN_WEEK	GAL/WEEK	GAL/DAY
1	DRIP CONTROL VALVE HF	AREA FOR DRIPLINE	0.64 in/h	94	94	827.2	275.7
2	RAIN BIRD PEB	BUBBLER	1.7 in/h	36	36	450	150
3	RAIN BIRD PEB	TURF SPRAY	1.53 in/h	40	40	700.3	233.4
4	RAIN BIRD PEB	TURF SPRAY	1.41 in/h	43	43	712.9	237.6
5	RAIN BIRD PEB	TURF SPRAY	1.39 in/h	44	44	683.4	227.8
6	RAIN BIRD PEB	TURF SPRAY	1.25 in/h	48	48	573.0	191.0
7	DRIP CONTROL VALVE HF	AREA FOR DRIPLINE	0.64 in/h	94	94	818.7	272.9
TOTALS:				399	399	4,765	1,588

IT WILL BE NECESSARY TO DIVIDE RUN TIMES INTO 2 TO 3 CYCLES TO MINIMIZE RUNOFF. A TYPICAL SCHEDULE WOULD ALLOW WATERING TO OCCUR TWO DAYS PER WEEK. TOTAL WATERING TIME WOULD BE DIVIDED BY THE NUMBER OF WATERING DAYS. THIS SCHEDULE IS DESIGNED FOR SUMMER WATER USAGE AND ESTABLISHMENT OF NEW PLANTING. CONTRACTOR IS TO PROGRAM RUN TIMES TO ADJUST THROUGHOUT THE YEAR AS NEEDED IN ORDER TO MAINTAIN PLANTS IN A HEALTHY CONDITION. IT IS ENCOURAGED TO USE THE CYCLE SOAK FEATURE ON THE IRRIGATION CONTROLLER TO REDUCE WATER RUNOFF. CONTRACTOR IS TO ADJUST RUN TIMES AS NOT TO ALLOW FOR IRRIGATION RUNOFF OR OVER-SATURATION OF THE SOIL. SHOULD THE MUNICIPALITY DESIGNATE A HIGHER STAGE OF WATER RESTRICTIONS, IT WILL BE NECESSARY FOR THE CONTRACTOR TO ADJUST THE RUN TIMES ACCORDINGLY. IT WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN PLANT MATERIAL IN A HEALTHY CONDITION DURING THIS TIME. PROVIDE SUPPLEMENTAL WATERING, SECURE VARIANCES AS NEEDED, AND PAY ANY PENALTY FEES ACCRUED.



CITY OF SAN ANTONIO
DEVELOPMENT SERVICES
1901 S. ALAMO
P.O. BOX 839966
SAN ANTONIO, TX 78283

RE: KFC - POTRANCO & DUGAS

TO WHOM IT MAY CONCERN:

I, JASON S. LOCHTE, A LICENSED IRRIGATOR IN THE STATE OF TEXAS DO CERTIFY THAT THE IRRIGATION PLAN SUBMITTED CONFORMS TO THE IRRIGATION DESIGN AND EQUIPMENT STANDARDS SET OUT IN 35-510 (J) AND 35-511 (C)(6) OF THE CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE AND ALSO COMPLIES WITH THE REQUIREMENTS OF CHAPTER 344 § 344.60, 344.61, & 344.62 OF THE TEXAS ADMINISTRATIVE CODE.

IF FURTHER INFORMATION IS NEEDED, PLEASE FEEL FREE TO CONTACT ME AT (210) 821-6570.

SINCERELY,

JASON S. LOCHTE
TEXAS LICENSED IRRIGATOR NO. 11893

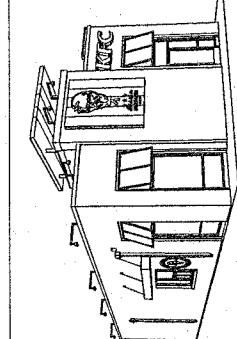
NOTE:
A LETTER FROM A LICENSED IRRIGATOR (INSTALLER) SHALL BE REQUIRED CERTIFYING THAT THE IRRIGATION SYSTEM WAS INSTALLED IN ACCORDANCE WITH THE CERTIFIED LANDSCAPE PLAN. THE IRRIGATION LETTER REQUIRED FOR THE CERTIFICATE OF OCCUPANCY CAN BE LEFT WITH THE TEST AND MEASURE (T&M) REPORT IN A WEATHERPROOF, WATER-TIGHT BAG WHICH WILL BE COLLECTED UPON REQUEST BY THE PLUMBING INSPECTOR. THE LETTER MAY ALSO BE SUBMITTED AT THE DEPARTMENT OF DEVELOPMENT SERVICES BUILDING WHEN APPLYING FOR THE CERTIFICATE OF OCCUPANCY FOR NEW CONSTRUCTION.

NOTE: THE SITE INFORMATION SHOWN ON THIS PLAN IS FROM A SITE PLAN PROVIDED BY THE OWNER, ARCHITECT, OR CIVIL ENGINEERING COMPANY HIRED BY THE OWNER. VERIFY ALL DIMENSIONS WITH THE DIMENSIONAL CONTROL PLAN AND COORDINATE WITH ALL OTHER CONTRACT DOCUMENTS ASSOCIATED WITH THIS PROJECT.

REVISIONS:

IRRIGATION PLAN

KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78261



COOPER LOCHTE
LANDSCAPE ARCHITECTURE, LLC
1776 GARDNER AVENUE, SUITE 100, SAN ANTONIO, TEXAS 78207
CLLA JOB NO.: 22-027

FOR INTERIM REVIEW ONLY
THIS DOCUMENT IS INCOMPLETE AND CANNOT BE USED FOR REGULATORY APPROVAL, PERMITTING, BIDDING OR CONSTRUCTION.

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 06/15/22
JOB NO: 44343
DRAWN BY: JL & BL
SHEET NUMBER:

2.8.1
OF 5

IRRIGATION NOTES

- POINT OF CONNECTION - CONNECT DOWNSTREAM FROM AN IRRIGATION ONLY WATER METER. REFERENCE CIVIL DRAWINGS FOR LOCATION.
- STATIC PRESSURE - CONFIRM STATIC WATER PRESSURE OF 65 PSI AT LEAST SEVEN DAYS BEFORE BEGINNING WORK. IF STATIC PRESSURE IS LESS THAN STATED ABOVE, NOTIFY LANDSCAPE ARCHITECT IN WRITING AT LEAST SEVEN DAYS PRIOR TO COMMENCING WORK. IF STATIC PRESSURE EXCEEDS 80 PSI, INSTALL A PRESSURE REDUCING DEVICE UPSTREAM FROM BACKFLOW DEVICE AT NO ADDITIONAL COST TO THE OWNER.
- SYSTEM LAYOUT - COORDINATE IRRIGATION LAYOUT WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH NO OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER. PRIOR TO SUBMISSION OF THE BID CONTRACTOR SHALL SATISFY HIMSELF AS TO THE CONDITIONS THEREOF.
- CONTRACTOR QUALIFICATIONS - INSTALLATION OF THE IRRIGATION SYSTEM SHALL BE UNDER THE ONSITE SUPERVISION OF A SUPERINTENDENT CURRENTLY LICENSED AS A LANDSCAPE IRRIGATOR IN THE STATE OF TEXAS.
- GUARANTEE - GUARANTEE THE UNDERGROUND SPRINKLER SYSTEM AGAINST DEFECTS IN THE MATERIALS AND WORKMANSHIP FOR ONE YEAR AFTER FINAL ACCEPTANCE.
- EXISTING UTILITIES - CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION.
- CODES AND PERMITS - CONTRACTOR TO COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE AND ALL OTHER APPLICABLE CODES AS THEY SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN. IRRIGATION CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS, VARIANCES, AND PAY ALL ASSOCIATED FEES & PENALTIES UNLESS OTHERWISE DIRECTED. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH MUNICIPAL DROUGHT/WATERING RESTRICTIONS.
- TRENCHING - PROTECT EXISTING PLANT MATERIAL. ROUTE EXCAVATION TRENCHES TO AVOID DAMAGE TO EXISTING TREES. COORDINATE CONFIGURATION OF PLANTING BEDS WITH LANDSCAPE CONTRACTOR TO ENSURE PROPER LOCATION OF TURF AND SHRUB IRRIGATION HEADS. STAKE ALL SPRINKLER HEAD LOCATIONS AND TRENCH TO A MINIMUM WIDTH OF 4" AND PROVIDE 16" OF COVER FOR MAIN SUPPLY LINE AND 10" OF COVER OVER ALL LATERALS AND WIRING.
- PIPING - ALL PIPING IS TO BE SIZED FOR A MAXIMUM WATER VELOCITY OF 5 FEET PER SECOND. SIZE LATERAL PIPE SUCH THAT NO TWO SPRAY HEADS WITHIN THE SAME ZONE MAY VARY BY MORE THAN 10% IN PSI. RULE-OF-THUMB PIPE SIZING IS NOT ACCEPTABLE NOR PERMITTED IN RUNS LONGER THAN 100'. LAY PIPE ON A 2" SAND CUSHION SUBBASE, UNIFORMLY SLOPED WITHOUT HUMPS AND DEPRESSIONS. KEEP PIPE INTERIOR CLEAN AT ALL TIMES.
- BACKFLOW PREVENTER - INSTALL BACKFLOW PREVENTER AS PER CITY CODES AND STANDARDS. INSTALL 17" X 30" PLASTIC ACCESS BOX FLUSH WITH GRADE AND BACKFILL WITH 3" OF GRAVEL IN BOTTOM OF BOX. PROVIDE WYE STRAINER AND SHUT-OFF VALVE UPSTREAM OF BACKFLOW DEVICE.
- VALVES - CLEAN AND TEST PRIOR TO INSTALLATION. INSTALL PLUMB AND STRAIGHT. INSTALL SAME SIZE BALL VALVE PRECEDING EACH VALVE. SET PLASTIC VALVE BOX FLUSH WITH GRADE ON MASONRY BRICKS WITH 3" GRAVEL SUMP AND STABILIZE WITH COMPACTED SOIL. USE 11" X 16" PLASTIC ACCESS VALVE BOXES FOR ELECTRIC VALVES AND QUICK COUPLING VALVES UNLESS OTHERWISE NOTED.
- BACKFILL - USE BACKFILL FREE FROM ROCKS AND OTHER UNSUITABLE MATERIALS WHICH COULD DAMAGE PIPE OR CREATE SETTLING PROBLEMS. APPLY BACKFILL MATERIAL IN 6" LAYERS AND TAMP EACH LAYER TO PREVENT SETTLING. USE TOPSOIL (NOT SUBSOIL) WITHIN THE TOP 6" OF BACKFILL. ACHIEVE FINISH GRADE AND REPAIR ALL DAMAGED EXISTING TURF AND PLANTINGS. REMOVE EXCESS EXCAVATION AND BACKFILL MATERIAL FROM THE SITE IMMEDIATELY. PROVIDE A 2" SAND CUSHION BELOW AND ABOVE ALL PIPE.
- SPRINKLER HEADS - FLUSH LATERAL LINES WITH FULL HEAD OF WATER AND INSTALL HEADS. LOCATE SPRINKLER HEADS TO MAINTAIN A DISTANCE OF 6" FROM WALLS AND 4" FROM OTHER BOUNDARIES. HEADS TO BE INSTALLED WITH IPS FLEX PIPE OR SCH. 80 SWING JOINTS. USE IN-HEAD CHECK VALVES TO ELIMINATE LOW HEAD DRAINAGE AT LOCATIONS OF EXCESSIVE LOW HEAD DRAINAGE. INSTALL HUNTER HCV CHECK VALVES BETWEEN HEAD AND SWING-JOINT. NO OVERSPRAY WILL BE ALLOWED ON IMPERVIOUS SURFACES SUCH AS DRIVES, WALKS, BUILDINGS, ROADS, ETC.
- WIRING - 14 AWG RATED FOR DIRECT BURIAL. LAY WIRING BESIDE PIPE IN TRENCHES. PROVIDE A MINIMUM COVERING OF 12" FOR WIRING LAID IN SEPARATE TRENCHES. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF COMPOUND OR GEL. BUNDLE AND TAPE MULTIPLE WIRES AT A MAXIMUM OF 10 FOOT INTERVALS. PROVIDE A 30" EXPANSION LOOP AT EACH ELECTRIC REMOTE CONTROL VALVE AND AT EVERY 100' INTERVAL. ALL FIELD SPLICES SHALL BE LOCATED IN A 10" ROUND VALVE BOX TO ALLOW FOR INSPECTION.
- AUTOMATIC CONTROLLER - PROVIDE 120 VOLT ELECTRICAL CURRENT TO THE CONTROLLER IN CONDUIT IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES.
- CLEAN-UP - KEEP THE PREMISES AND PUBLIC STREETS FREE FROM ACCUMULATION OF WASTE MATERIAL. AT THE COMPLETION OF THE WORK REMOVE ALL WASTE, EXCESS MATERIAL, RUBBISH AND EQUIPMENT. LEAVE THE SITE CLEAN.
- FINAL ACCEPTANCE - PERFORM OPERATIONAL TEST WITH THE OWNER PRESENT AFTER SYSTEM IS COMPLETE AND IRRIGATION HEADS ADJUSTED TO FINAL POSITION. DEMONSTRATE TO OWNER THAT ENTIRE SYSTEM MEETS COVERAGE REQUIREMENTS AND FUNCTIONS PROPERLY. PROVIDE THE OWNER WITH COMPLETE WRITTEN INSTRUCTIONS FOR PROPER OPERATION AND MAINTENANCE OF THE SPRINKLER SYSTEM.
- UNSLEEVED PIPES AND VALVES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPE AREAS.
- AS BUILTS - PROVIDE OWNER WITH A COMPLETE SET OF AS-BUILTS DRAWINGS AT FINAL ACCEPTANCE.
- SENSORS - INSTALL FREEZE AND RAIN SHUT-OFF SENSORS IN ELEVATED AND EXPOSED EXTERIOR LOCATIONS CLEAR OF TREES AND OTHER OBSTRUCTIONS.
- IRRIGATION COVERAGE STATEMENT - 100% IRRIGATION COVERAGE HAS NOT BEEN PROVIDED FOR. REFERENCE IRRIGATION PLAN FOR AREAS OF COVERAGE.
- IRRIGATION EQUIPMENT - IRRIGATION COMPONENTS SHALL BE AS SPECIFIED OR APPROVED EQUAL MANUFACTURED BY HUNTER, RAIN BIRD, TORO, IRRITROL, OR WEATHERMATIC.

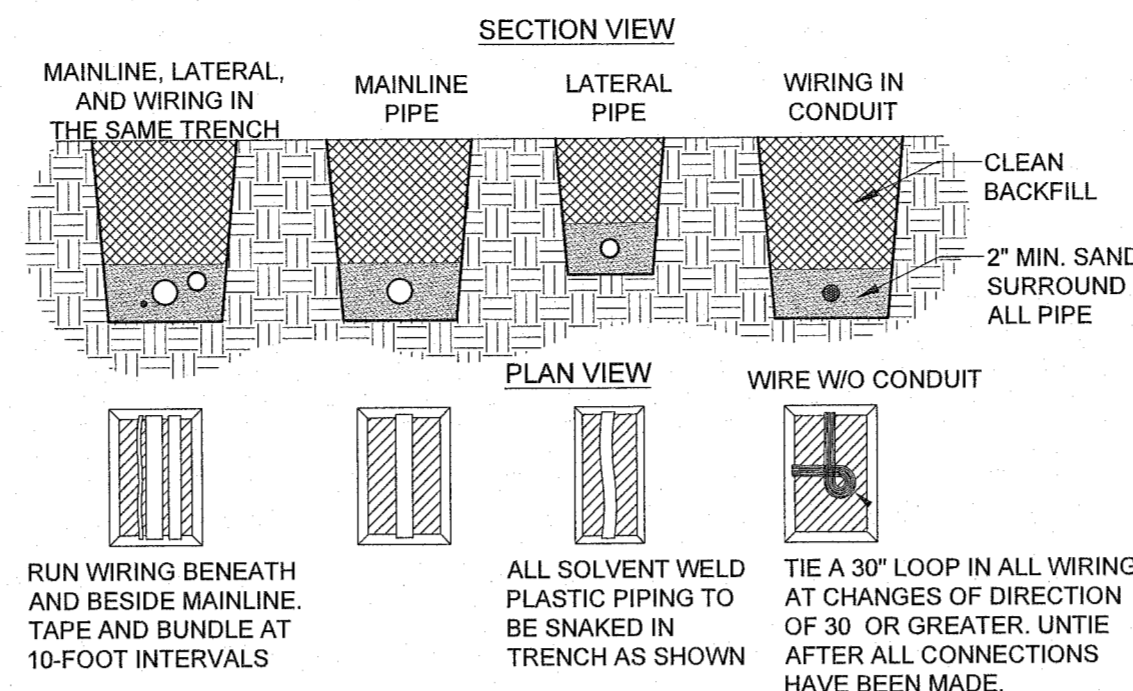
DRIP IRRIGATION NOTES

- LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO PROVIDE DISTRIBUTION TUBING, STAKES, EMITTERS, TRANSFER FITTINGS, DIFFUSER BUG CAP, CONTROL ZONE KITS, ETC. NECESSARY FOR PROPER INSTALLATION OF THE BEDS. ALL PVC HEADER AND FOOTER PIPING TO BE SIZED PER THE CHART BELOW.
- LANDSCAPE IRRIGATION CONTRACTOR (L.I.C.) TO INSERT ALL COMPRESSION FITTING 1-3/8" PER MANUFACTURER'S RECOMMENDATIONS. FITTINGS AND DRIP LINE TUBING TO BE OF THE SAME MANUFACTURER.
 - ALL DRIP LINE AND DISTRIBUTION TUBING TO BE INSTALLED 4"-6" BELOW GRADE AT SOD AREAS AND 2"-4" BELOW SOIL AT MULCH AREAS. ALL DRIP LINE TO BE INSTALLED ON ONE FOOT ROW SPACING UNLESS OTHERWISE NOTED. TUBING TO BE STAKED WITH GALVANIZED TIE DOWN STAKES INSTALL STAKES AT 3'-0" ON CENTER ALONG LENGTH OF TUBING AND A MINIMUM OF 36" FROM ANY FITTING.
 - AIR RELIEF VALVE TO BE RAIN BIRD AR VALVE KIT INSTALLED IN 6" ROUND VALVE BOX AND GRAVEL SUMP. INSTALL AT HIGHEST POINT WITHIN ZONE.
 - FLUSH VALVES TO BE RAIN BIRD EASY FIT FLUSH CAPS INSTALLED IN A 6" ROUND VALVE BOX AND GRAVEL SUMP. INSTALL AT LOWEST POINT WITHIN ZONE.
 - INSTALL DRIP LINE TUBING ON TWO SIDES OF EACH PLANT MINIMUM. INSTALL DRIP LINE ON TOP OF FILTER FABRIC.
 - DRIP IRRIGATION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
 - DRIP LINE SHALL BE BURIED 3" TO 5" BELOW FINISHED SOIL GRADE IN PLANTING BEDS AFTER PLANTING AND BEFORE MULCH, AND 4" TO 6" BELOW FINISHED GRADE IN TURF AREAS.
 - STAGER EMITTER SPACING IN PARALLEL ROWS TO CREATE TRIANGULAR WETTING PATTERN.
 - ALL DRIP LINE SHALL BE SECURED USING SOIL STAPLES AS SUPPLIED BY THE MANUFACTURER SPACED A MAXIMUM OF 3 FT ON CENTER.
 - DRIP LATERALS SHOWN ON THE PLANS ARE USED TO INDICATE ZONING SIZES AND RELATIONSHIPS.
 - NETAFIM TLCV SERIES DRIP LINE SHALL BE USED AS FOLLOWS:
 - BED AREAS: TLCV 06-12, ROWS SPACED AT 18 INCHES.
 - BED AREAS WITH SLOPE 3:1 OR MORE: TLCV 06-12
 - WHEN CONFLICTS OCCUR BETWEEN THESE DRAWINGS AND THE MANUFACTURER'S SPECIFICATIONS DEFER TO THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
 - EACH DRIP ZONE SHALL HAVE A DRIP SYSTEM OPERATION INDICATOR, AS MANUFACTURED BY NETAFIM. INSTALL PER NETAFIM RECOMMENDATIONS.

PROPER SIZING OF SUPPLY AND EXHAUST HEADERS (17MM TLCV SERIES DRIP LINE)

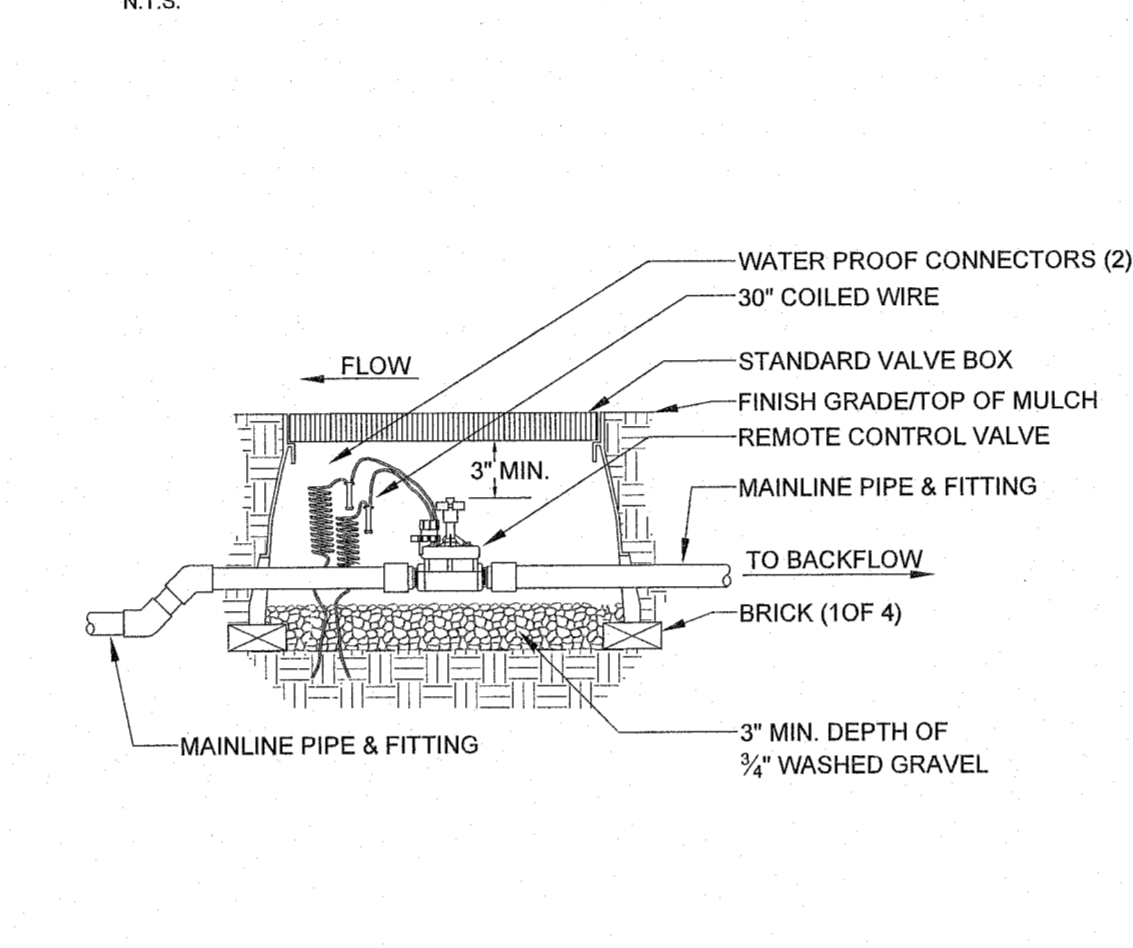
TOTAL ZONE FLOW	PIPE SIZE
UP TO 5 GPM	1/2" SCH 40 PVC OR 1/2" CLASS 315 PVC
5.1 TO 8 GPM	3/4" CLASS 200 PVC
8.1 TO 13 GPM	1" CLASS 200 PVC
13.1 TO 22 GPM	1 1/4" CLASS 200 PVC
22.1 TO 31 GPM	1 1/2" CLASS 200 PVC

NOTE: A 45 PSI PRESSURE REGULATOR IS RECOMMENDED TO OBTAIN MAXIMUM RUN LENGTHS AND MAXIMIZE ZONE SIZE WHEN INSTALLING TLCV SERIES DRIP LINE.

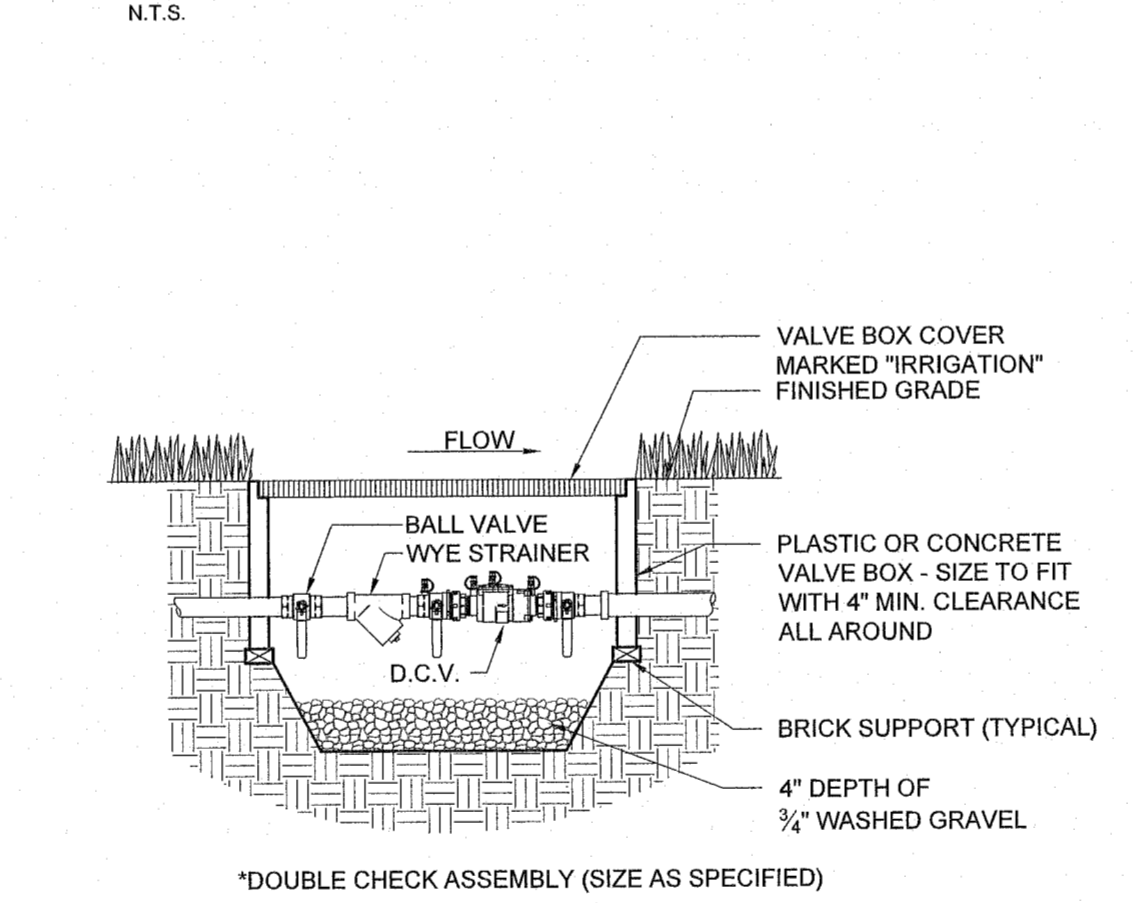


- NOTES:**
- SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH SCH. 40 PVC.
 - FOR PIPE AND WIRE BURIAL DEPTHS SEE SPECIFICATIONS.
 - INSTALL 2" SAND BEDDING IN TRENCHES PRIOR TO PIPE INSTALLATION.
 - PROVIDE 2" SAND ENVELOPE AROUND ALL PIPE, 2" SAND COVER MIN.
 - STACKING OF PIPE IS NOT ALLOWED. ALL PIPE TO HAVE 2" OF SEPARATION.
 - NO MATERIAL LARGER THAN 1" TO BE USED AS TRENCH BACKFILL.
 - COMPACT TRENCH BACKFILL TO 90%-95% PROCTOR. 95% UNDER HARDSCAPE.

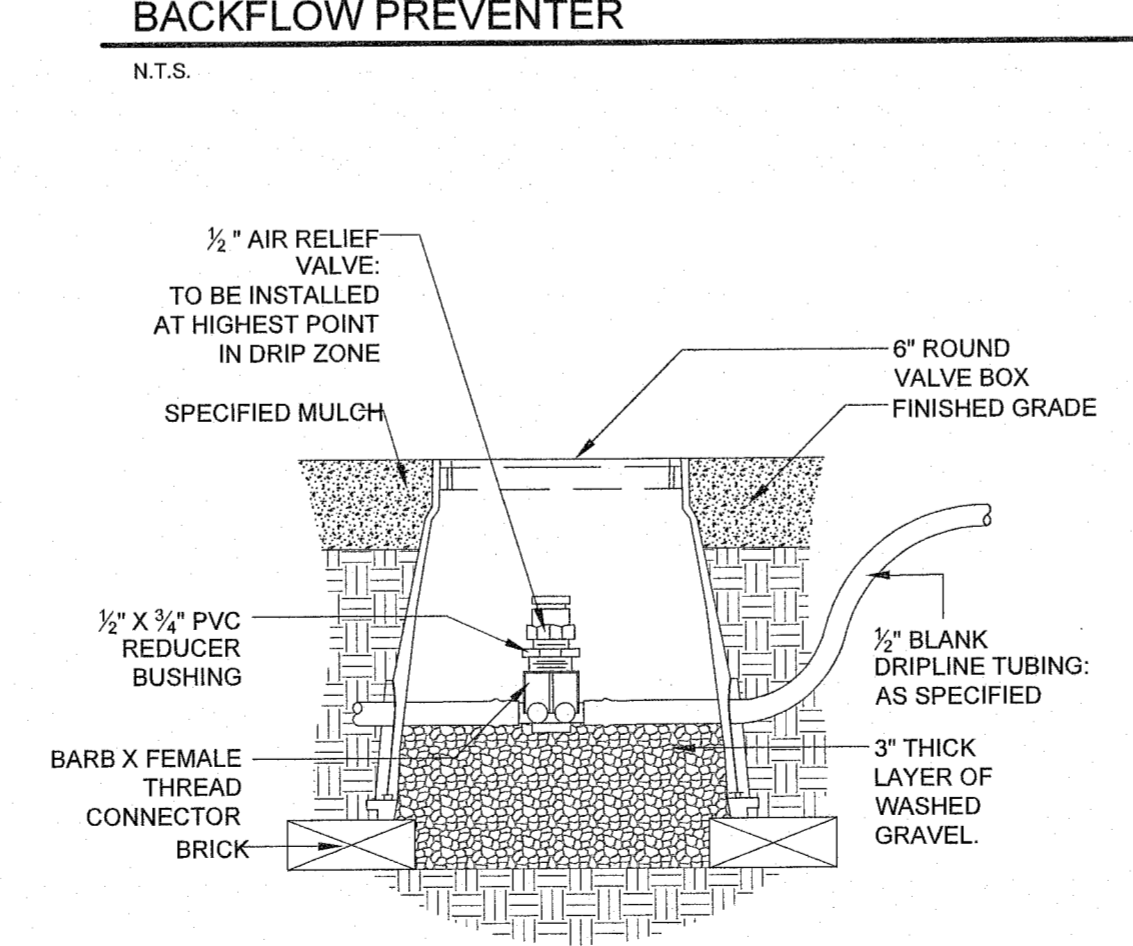
TRENCH DETAIL



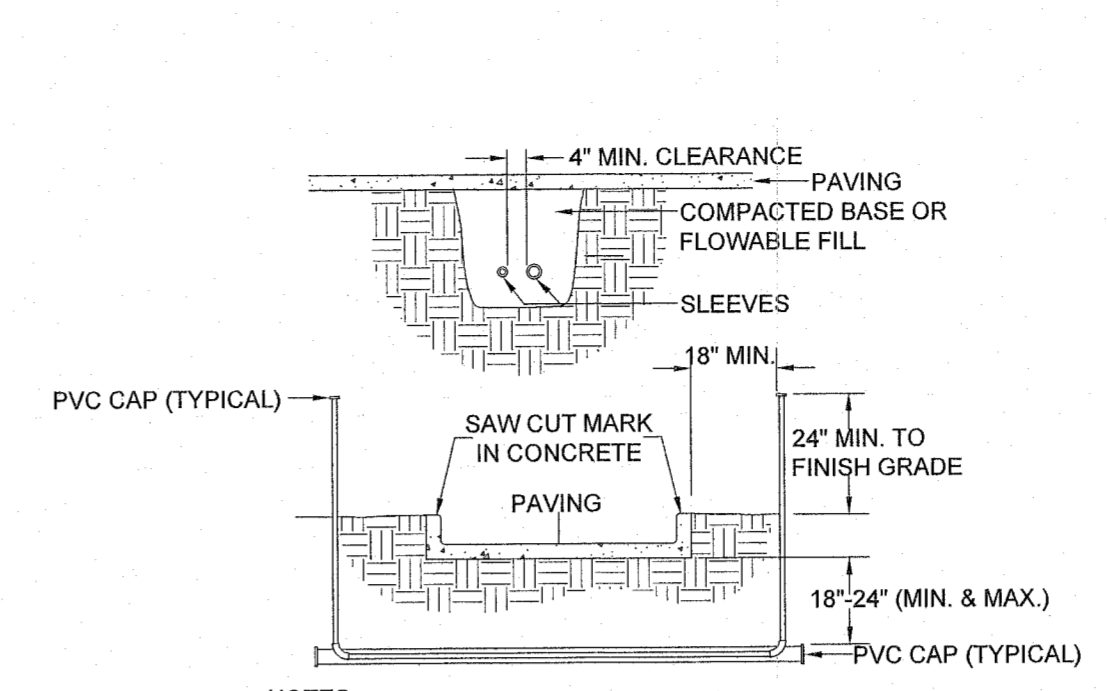
MASTER VALVE



BACKFLOW PREVENTER

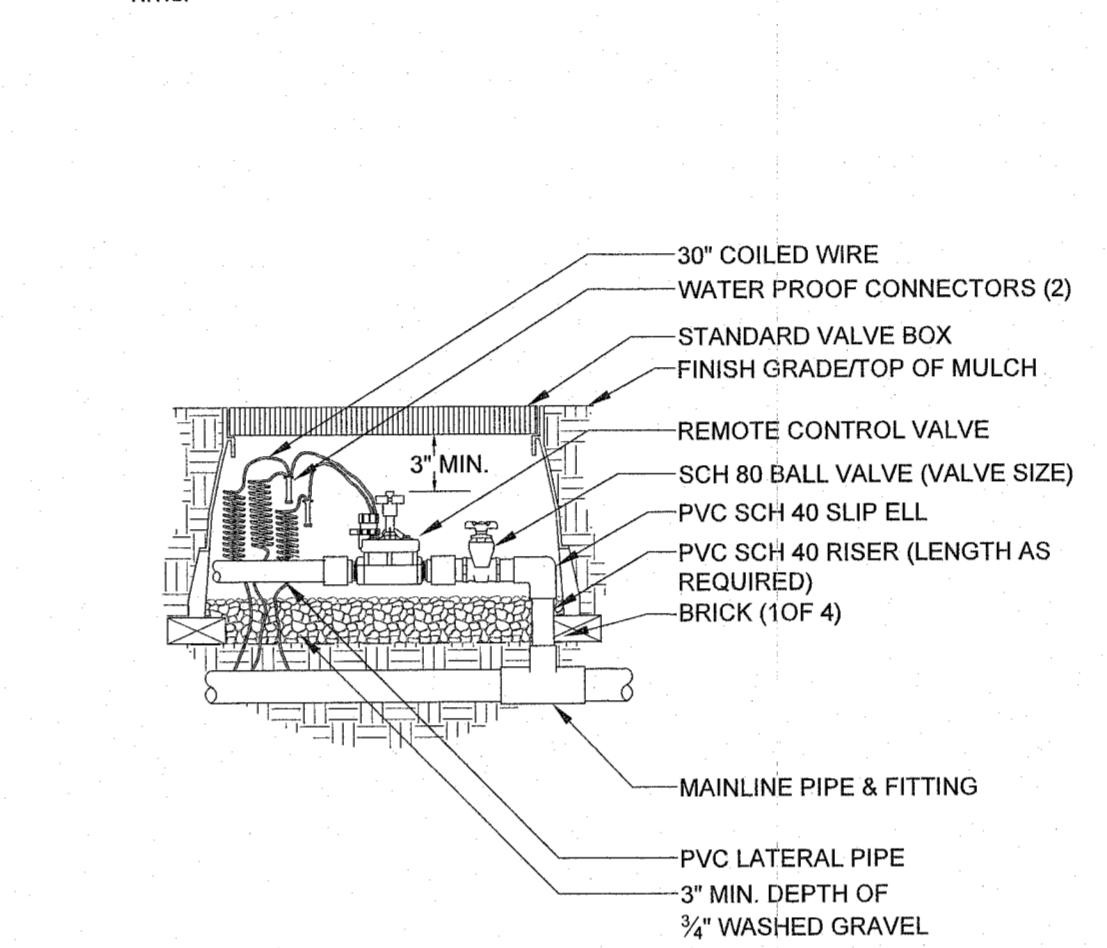


DRIP AIR RELIEF VALVE IN BOX (INSERT)

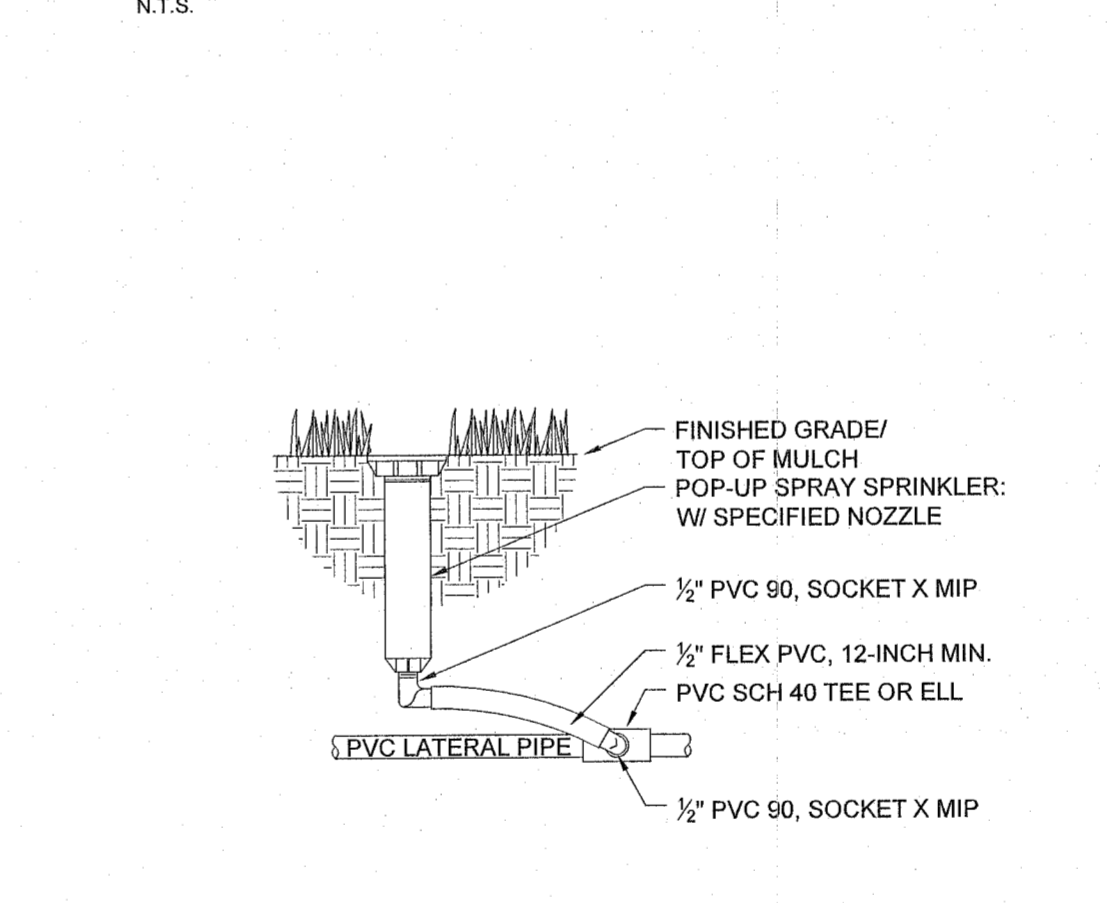


- NOTES:**
- ALL PVC IRRIGATION SLEEVES TO BE SCH 40 PIPE.
 - ALL JOINTS TO BE SOLVENT WELDED AND WATER TIGHT.
 - WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24" MIN. ABOVE FINISH GRADE.
 - MECHANICALLY TAMP TO 95% PROCTOR.

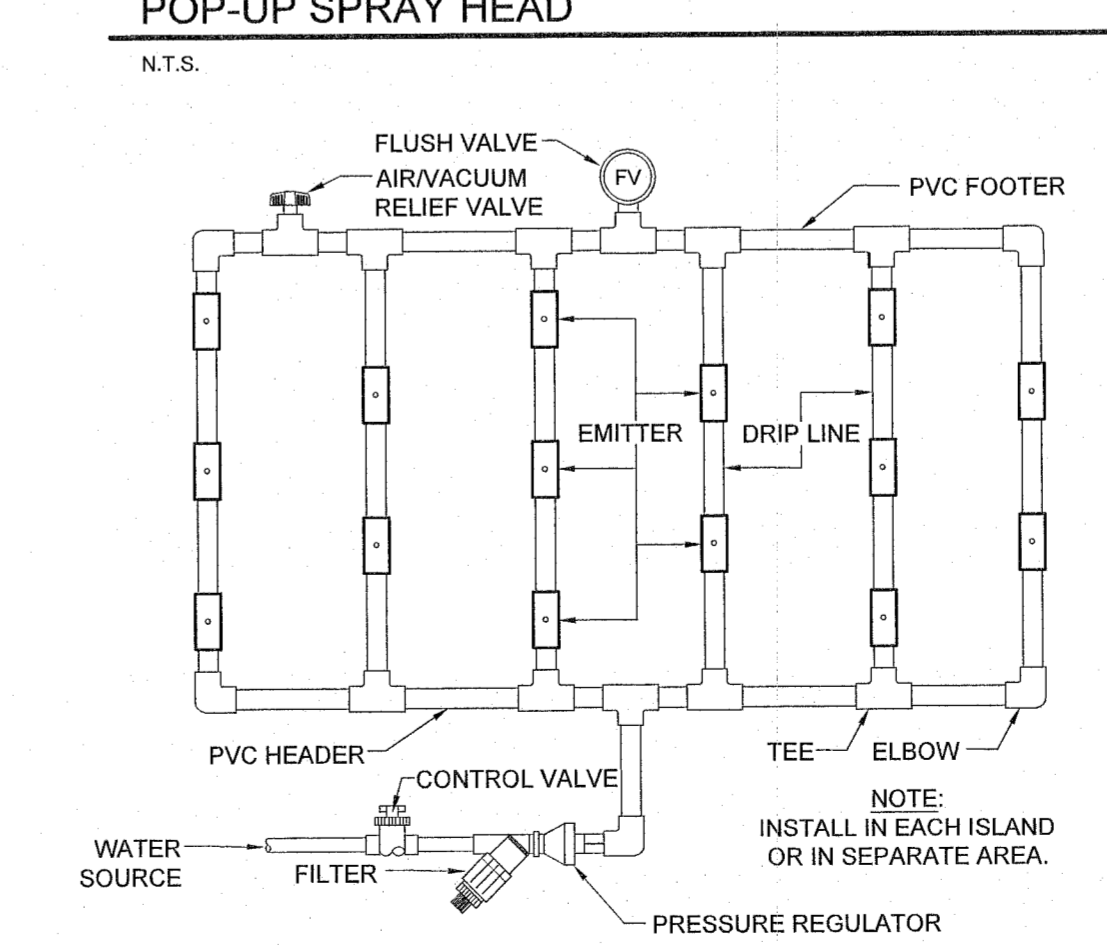
SLEEVING



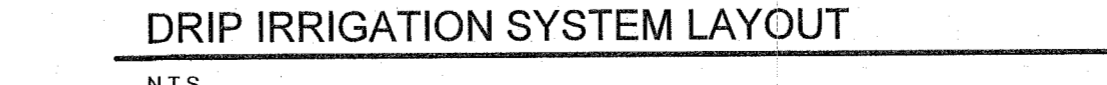
CONTROL VALVE



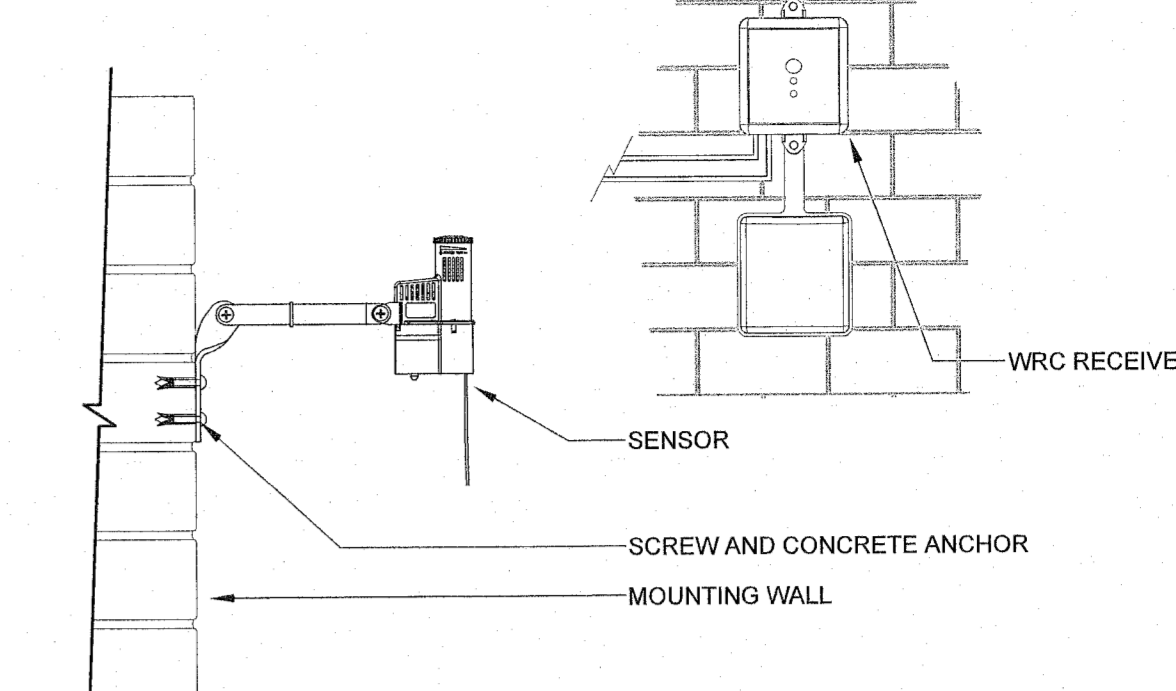
POP-UP SPRAY HEAD



DRIP IRRIGATION SYSTEM LAYOUT

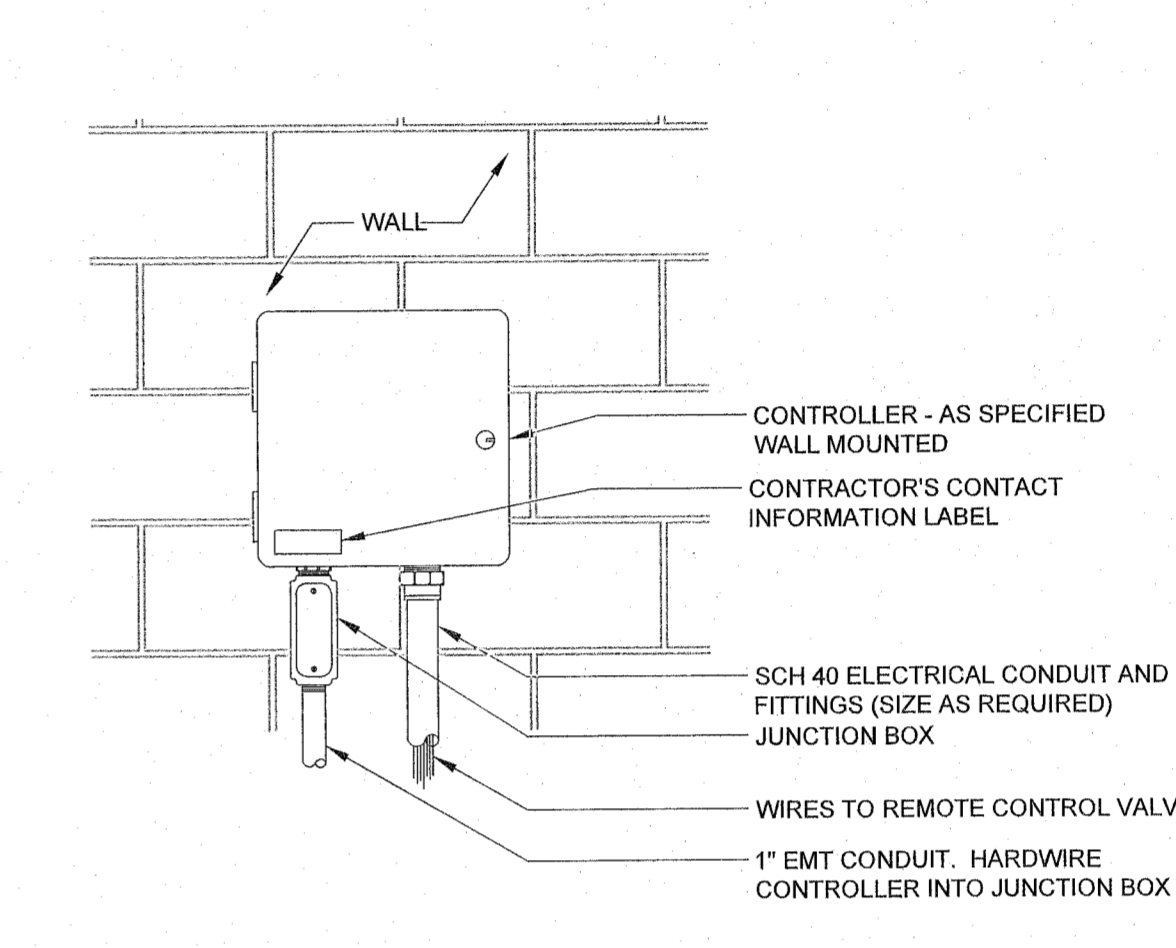


DRIP FLUSH VALVE

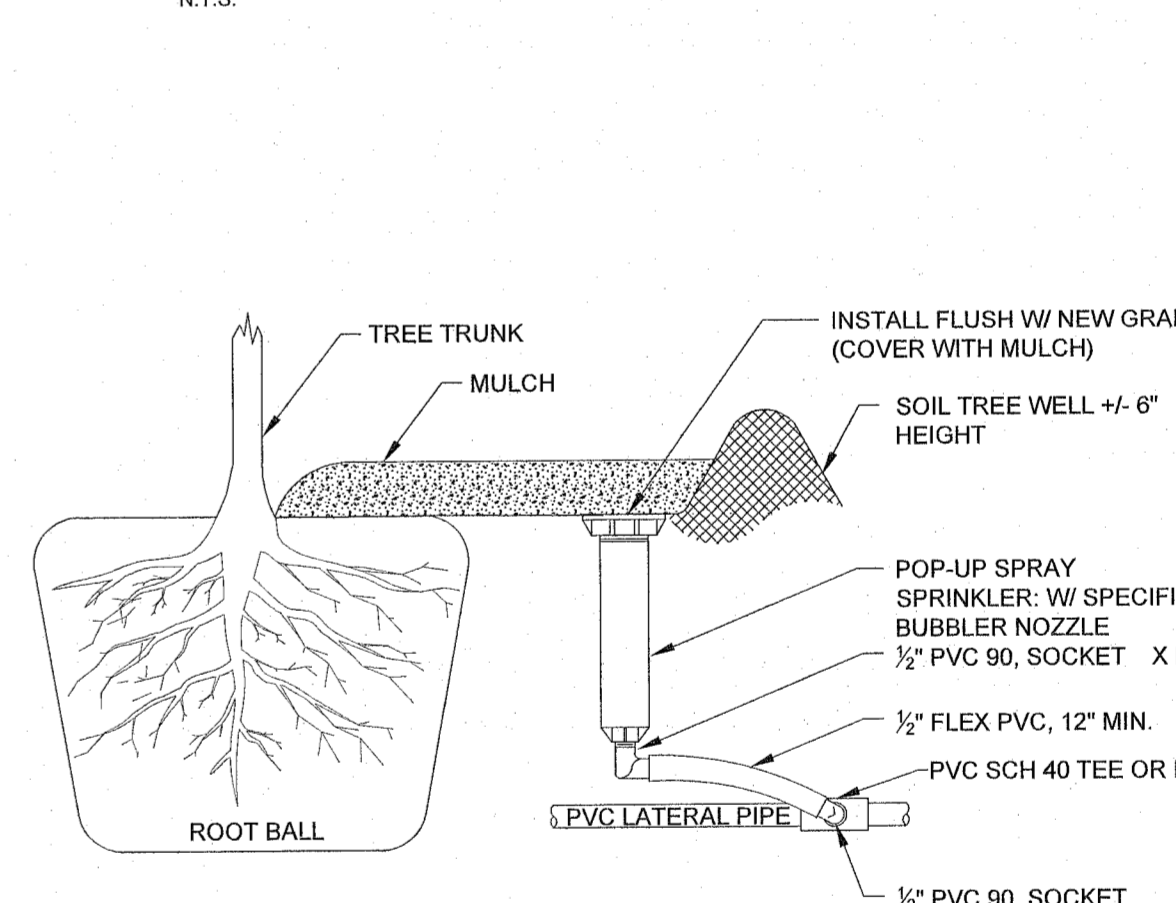


- NOTE:**
- MOUNT SENSOR IN LOCATION WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY. NO MORE THAN 1000' FROM RECEIVER UNIT. MOUNT RECEIVER UNIT NO FURTHER THAN 6" FROM CONTROLLER.

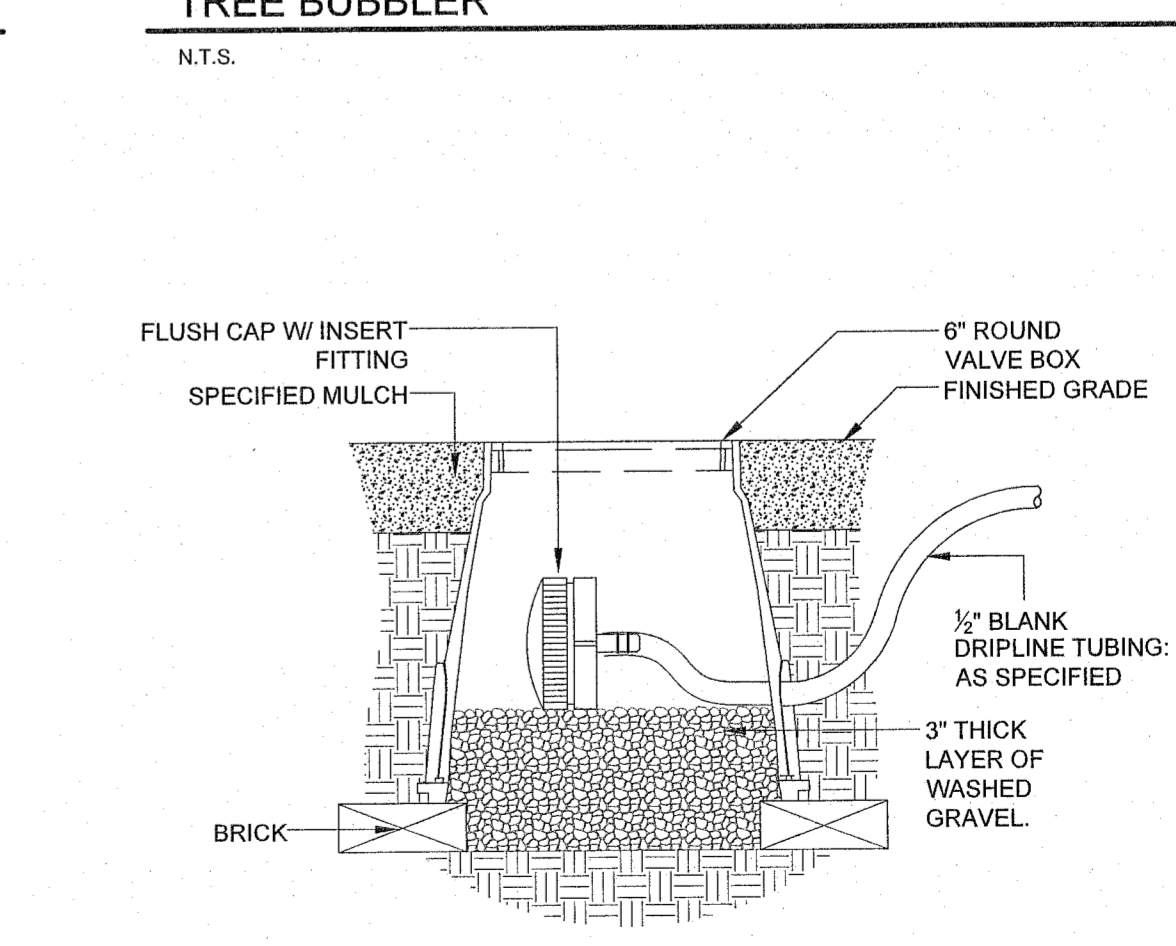
WIRELESS RAIN/FREEZE SENSOR



CONTROLLER



TREE BUBBLER



DRIP FLUSH VALVE



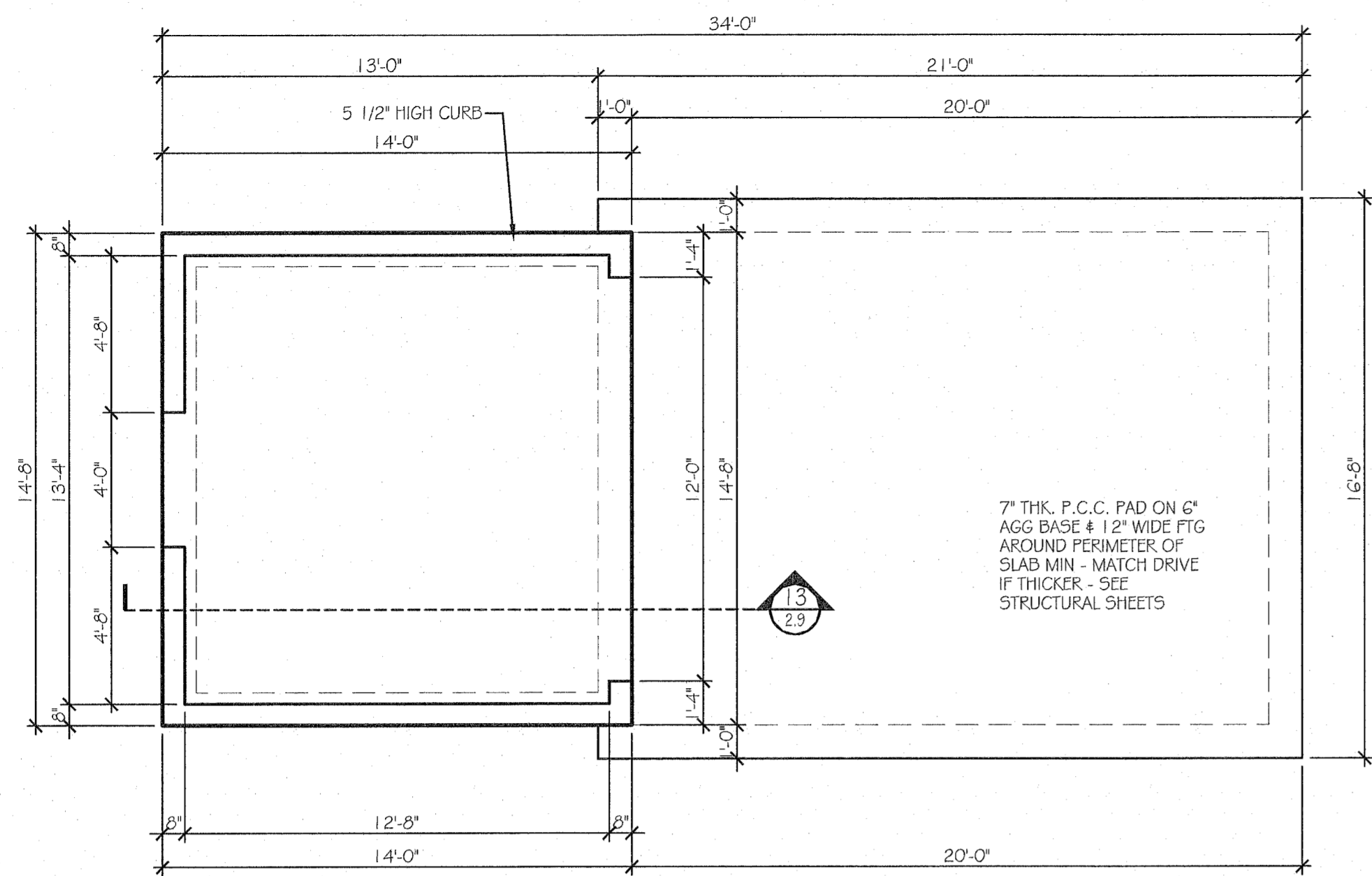
REVISONS:

IRRIGATION DETAILS & NOTES

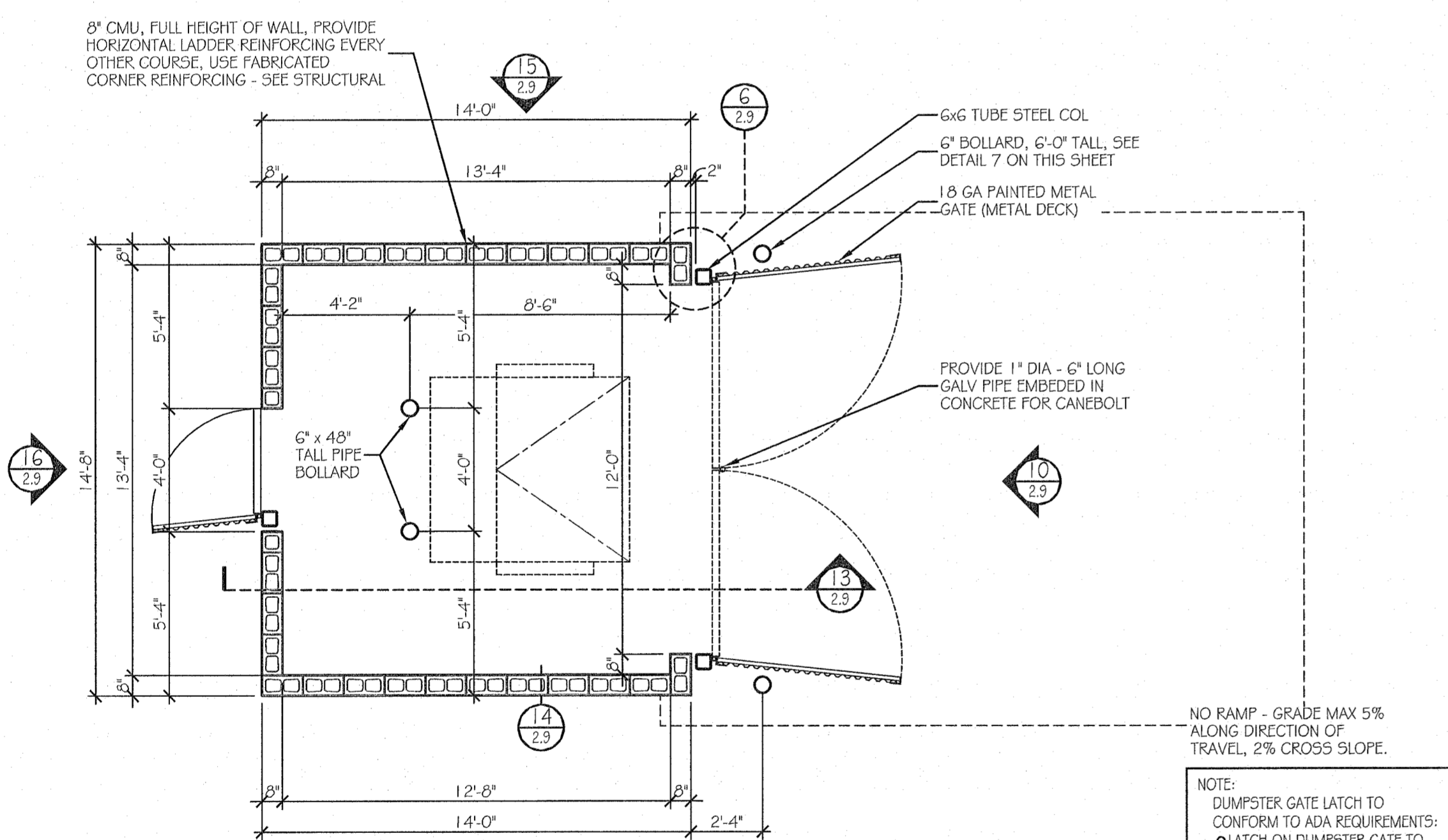
COOPER LOCHTE
 LANDSCAPE ARCHITECTURE LLC
 1970 CHANDLER PATH, SUITE 100, SAN ANTONIO, TEXAS 78216
 TEL: 214-343-1111
 FAX: 214-343-1112
 CLIA LOG NO.: 22-027

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD. # 267, SAN ANTONIO, TX. 78216

DATE: 06.15.22
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 DRAWN BY: JL & BL
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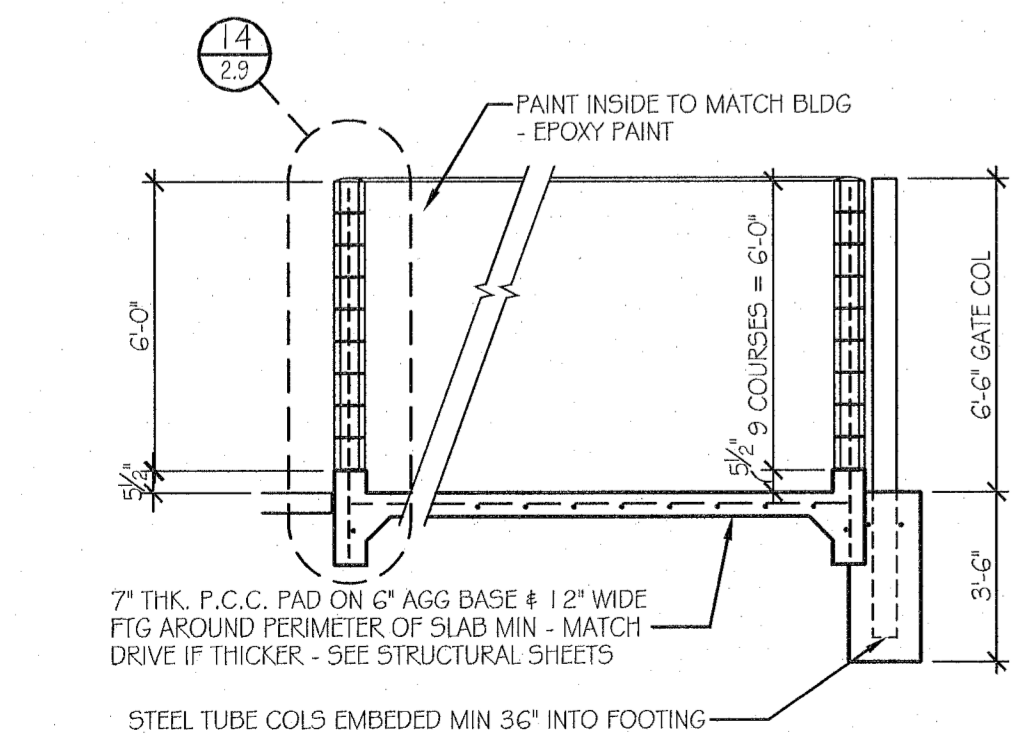
1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



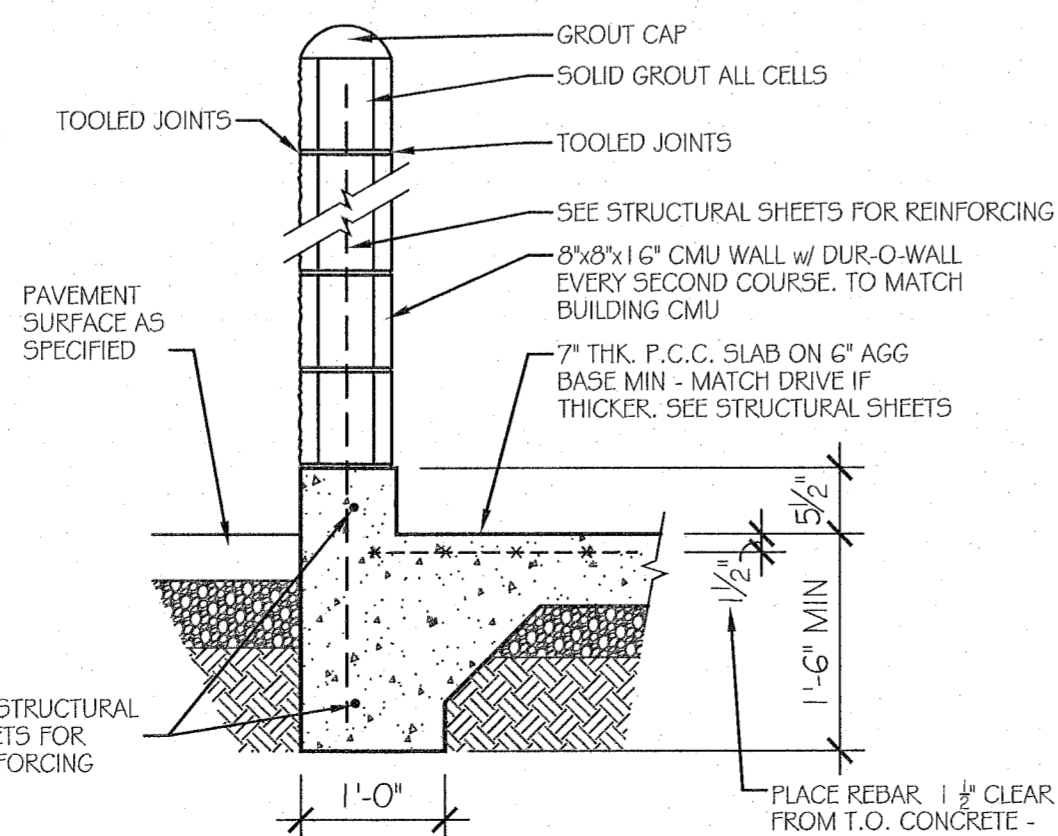
9 DUMPSTER FLOOR PLAN
SCALE: 1/4" = 1'-0"

NO RAMP - GRADE MAX 5% ALONG DIRECTION OF TRAVEL, 2% CROSS SLOPE.

NOTE:
DUMPSTER GATE LATCH TO CONFORM TO ADA REQUIREMENTS:
● LATCH ON DUMPSTER GATE TO BE 48" A.F.F. MAX.
● PROVIDE LEVER OR PULL ROD - NO HANDLE ALLOWED THAT REQUIRES A TWISTING OR A PINCHING MOTION

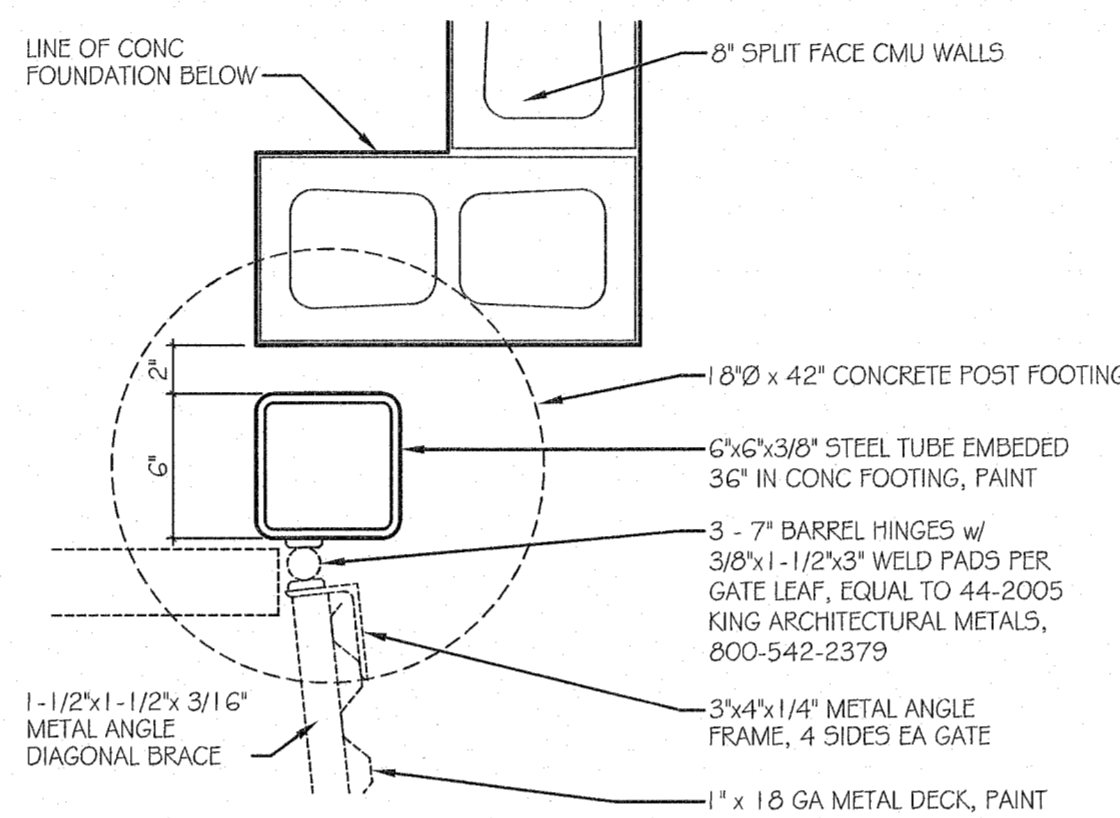


13 DUMPSTER SECTION
SCALE: 1/4" = 1'-0"

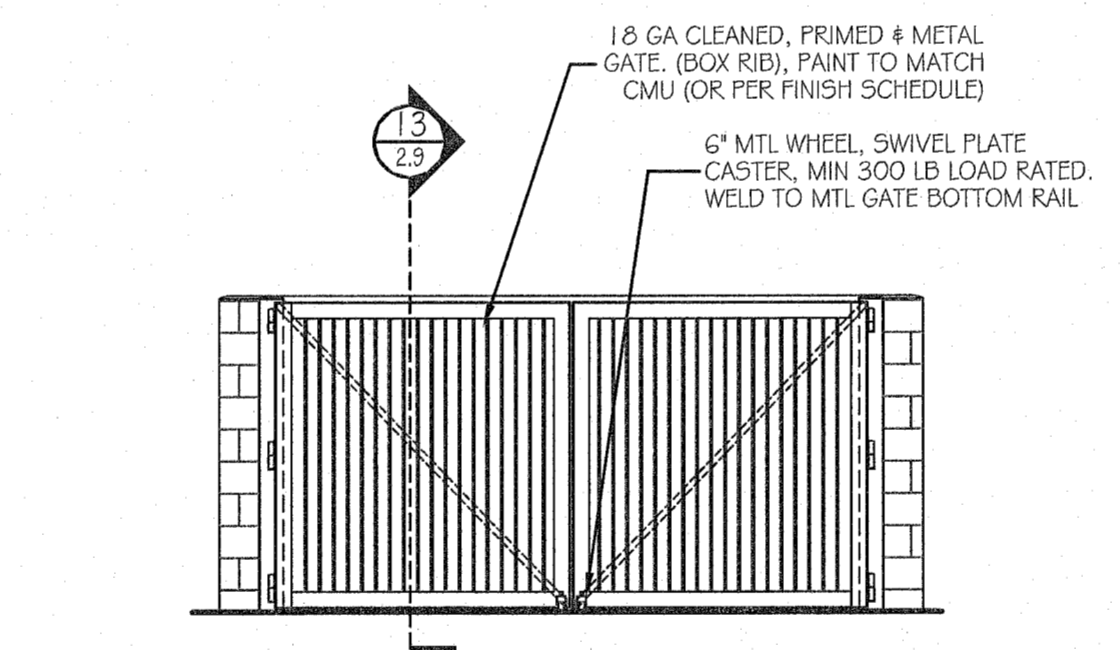


14 TYPICAL DUMPSTER WALL
SCALE: 3/4" = 1'-0"

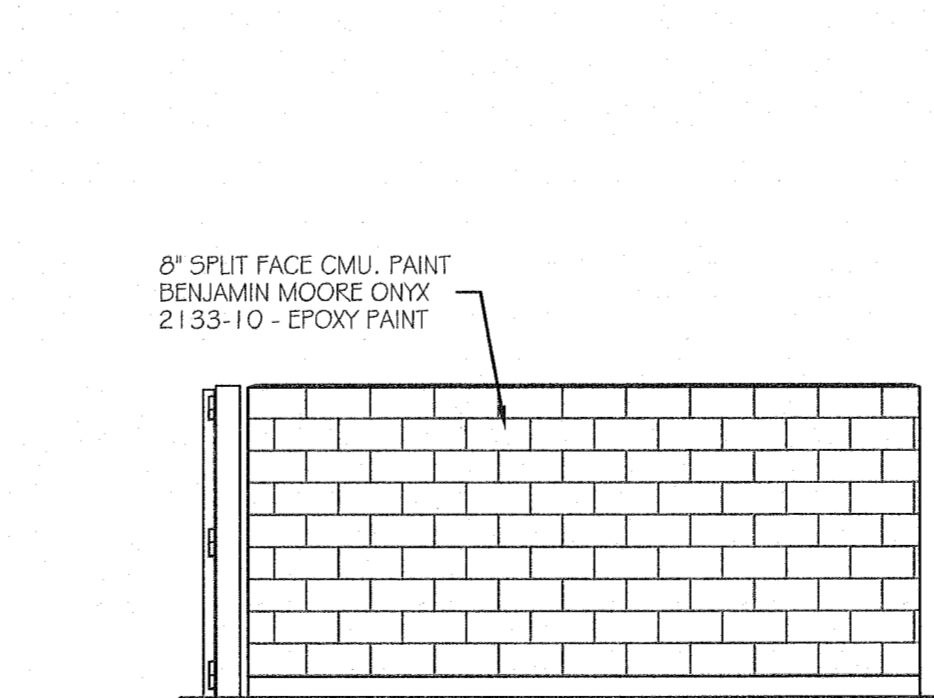
NOTE:
FOOTINGS SHALL EXTEND 18" MINIMUM BELOW ADJACENT FINISH GRADE/SURFACE OR REF. SEE SOILS REPORT FOR ANY ADDITIONAL DESIGN CRITERIA.



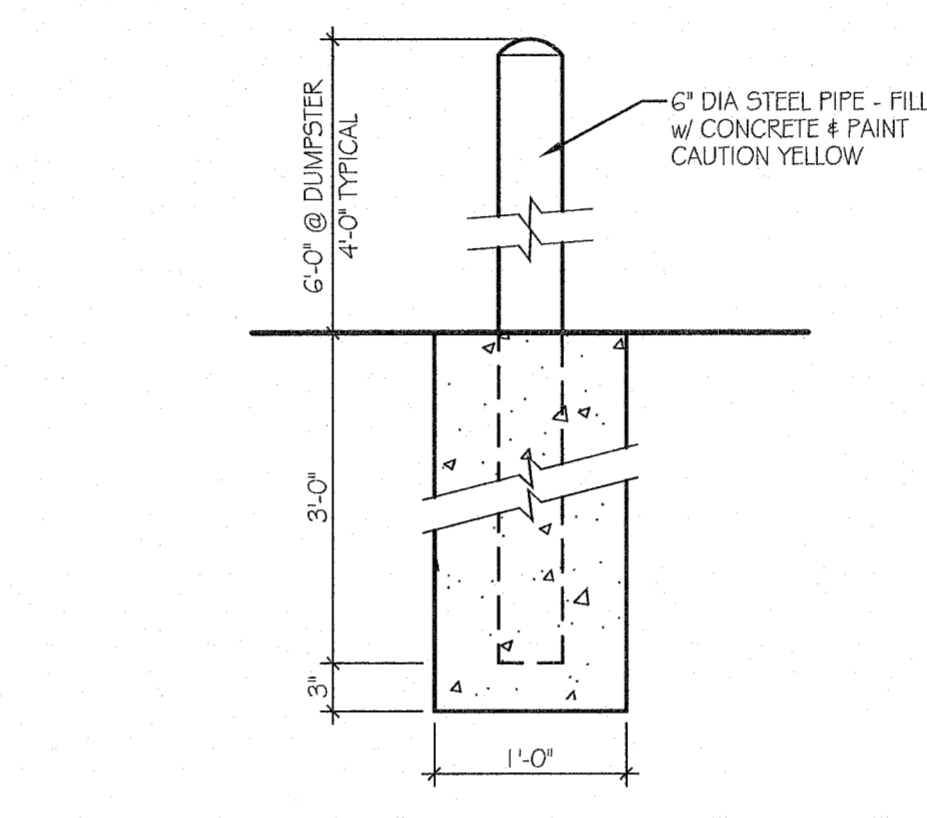
6 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



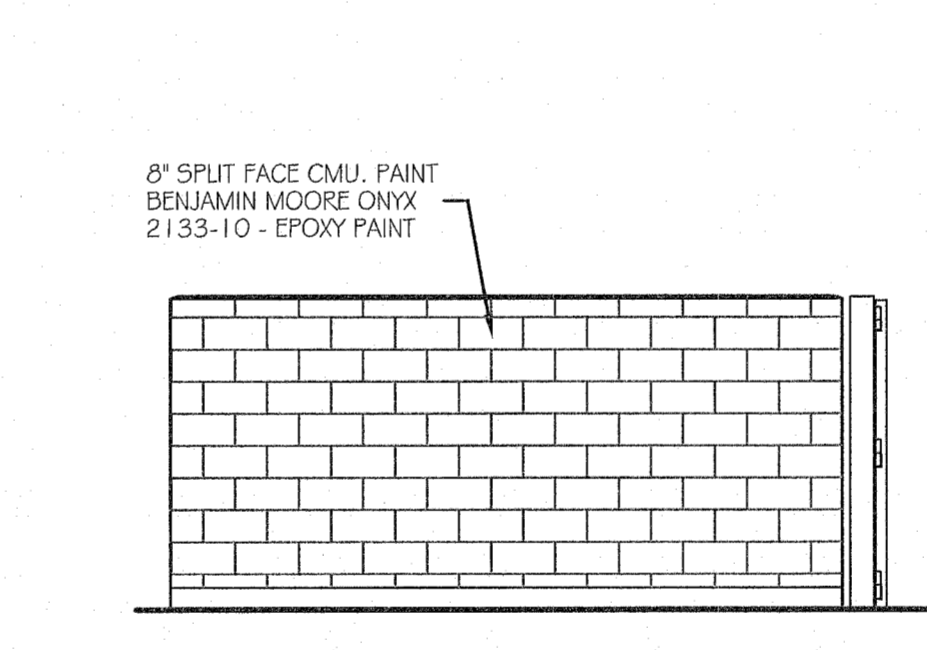
10 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



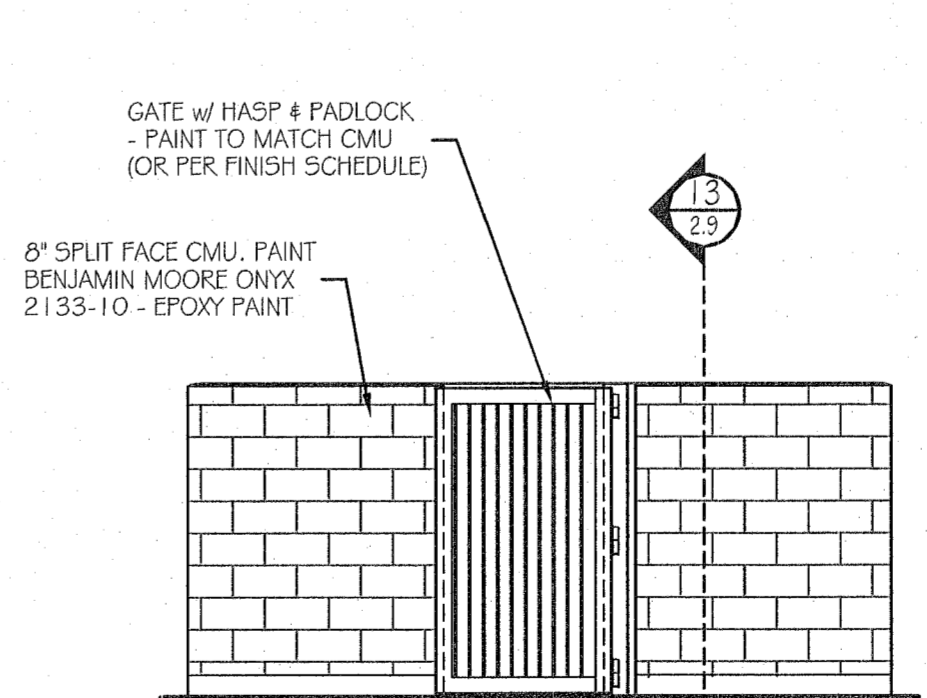
15 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



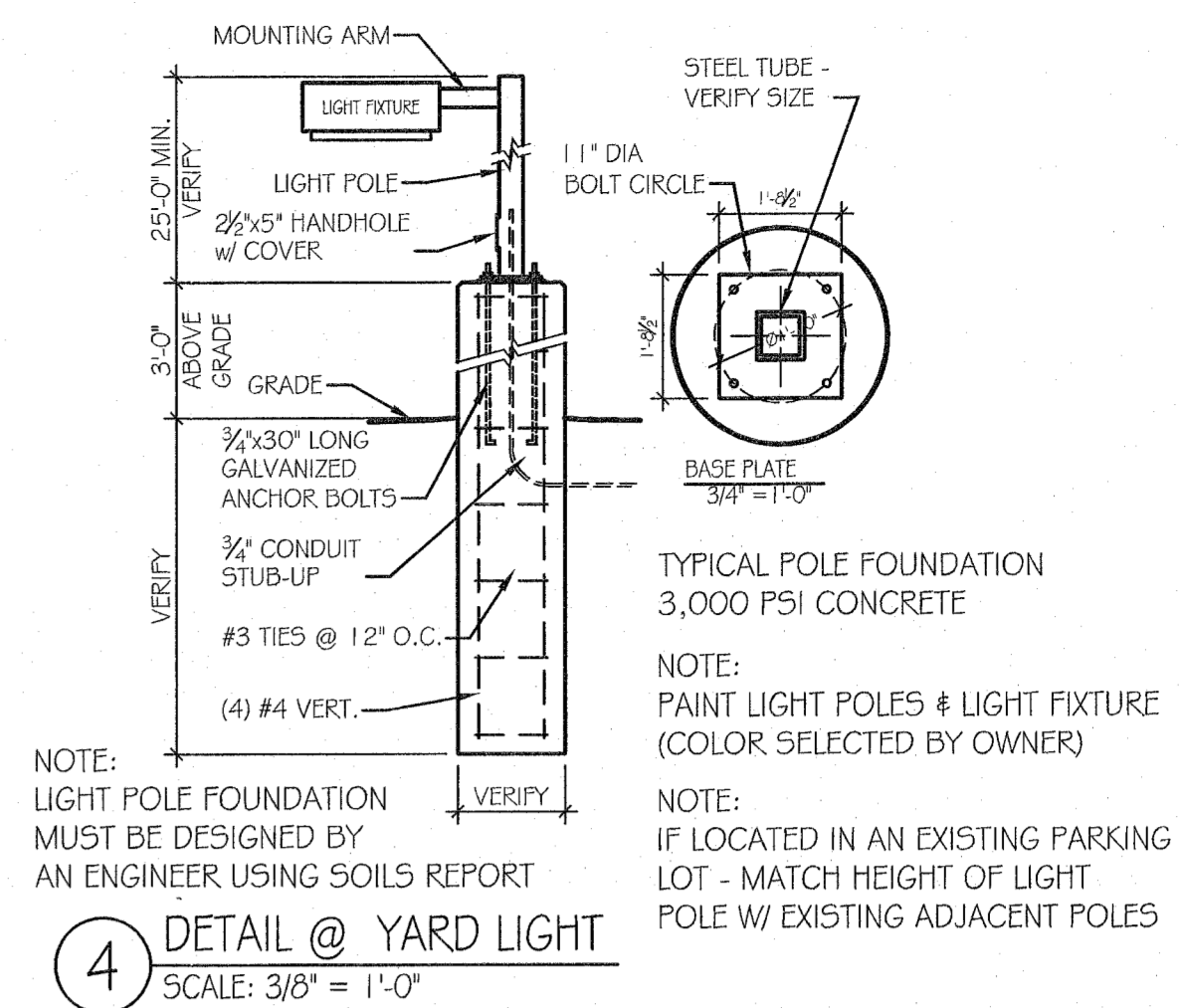
7 TYPICAL BOLLARD
SCALE: 1" = 1'-0"



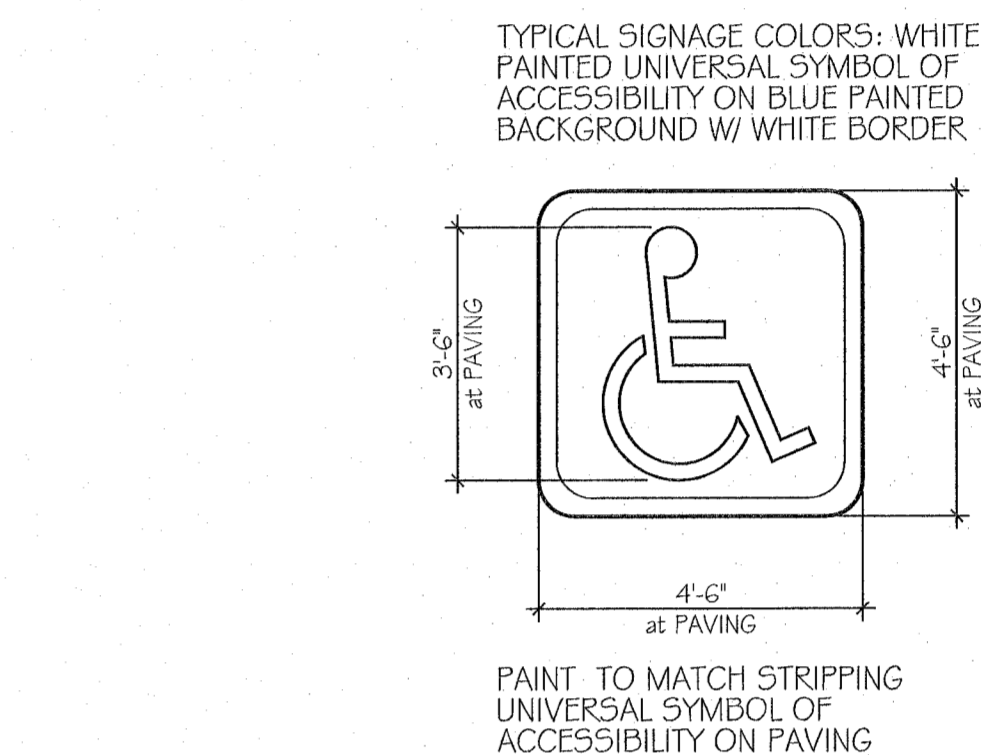
11 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



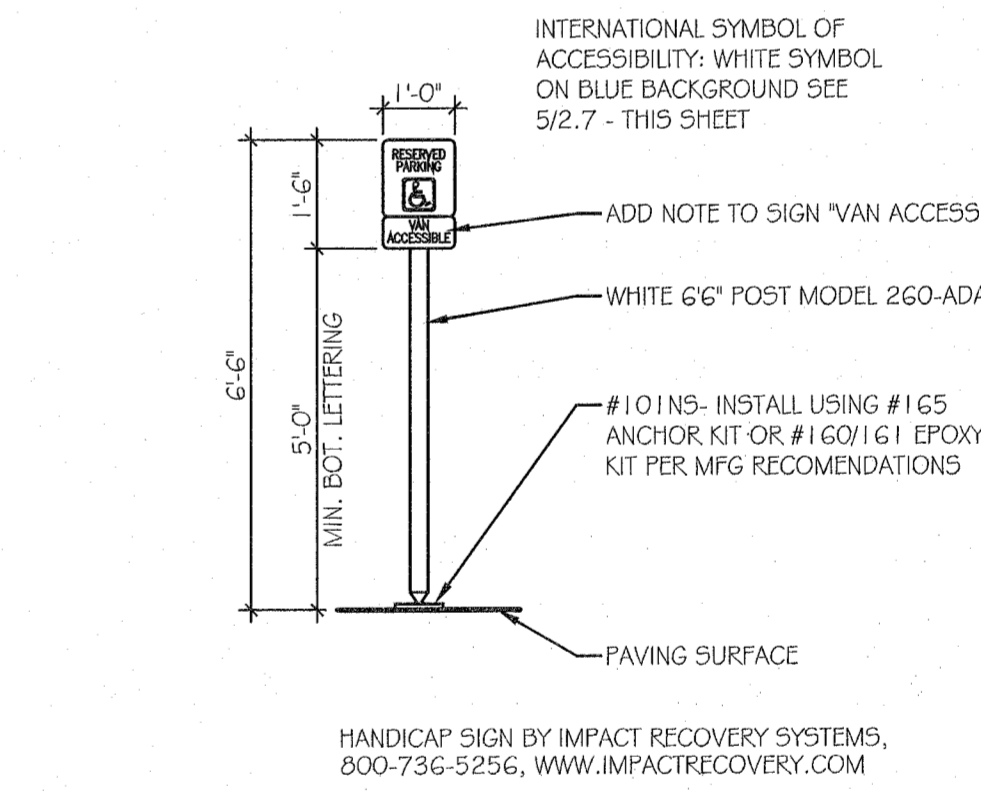
16 BACK ELEVATION
SCALE: 1/4" = 1'-0"



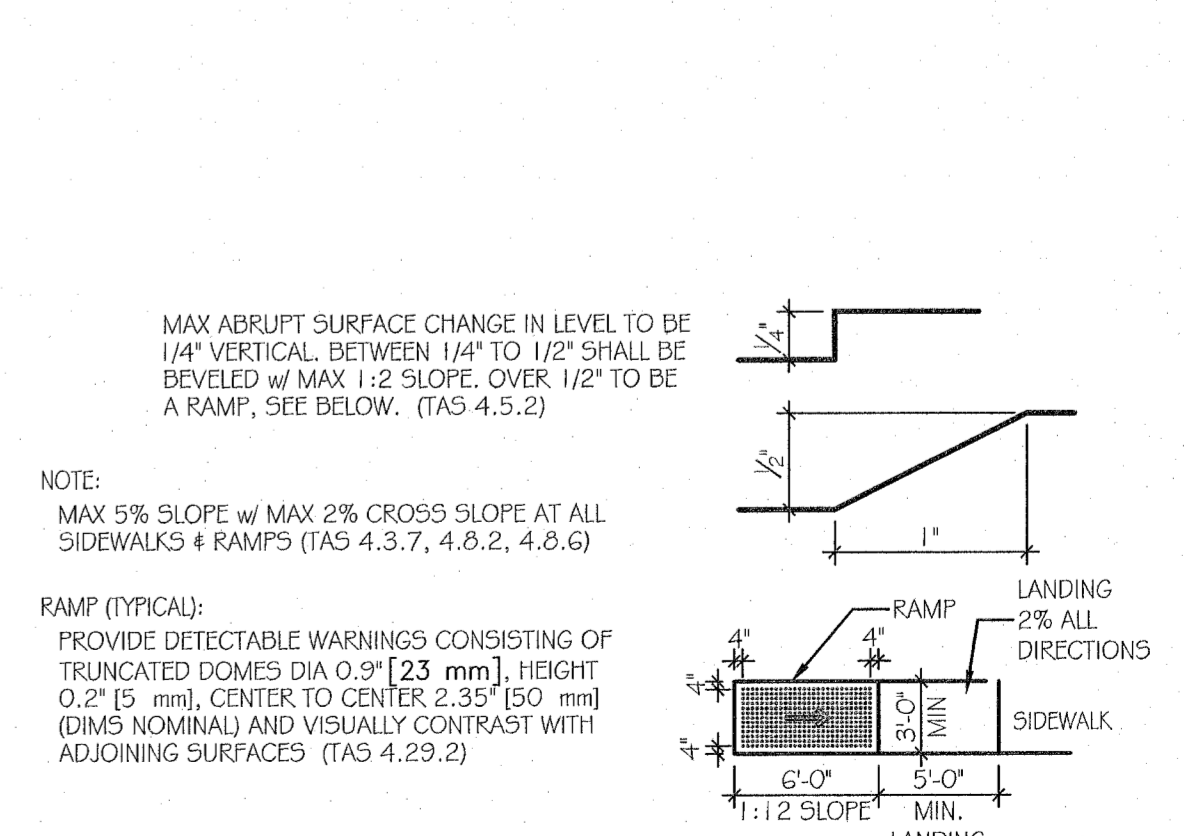
4 DETAIL @ YARD LIGHT
SCALE: 3/8" = 1'-0"



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



12 H.C. SIGN
SCALE: 3/8" = 1'-0"



17 TYPICAL RAMP DETAIL
SCALE: 1/8" = 1'-0"

REVISIONS:

DUMPSTER DETAILS

KFC Dugas

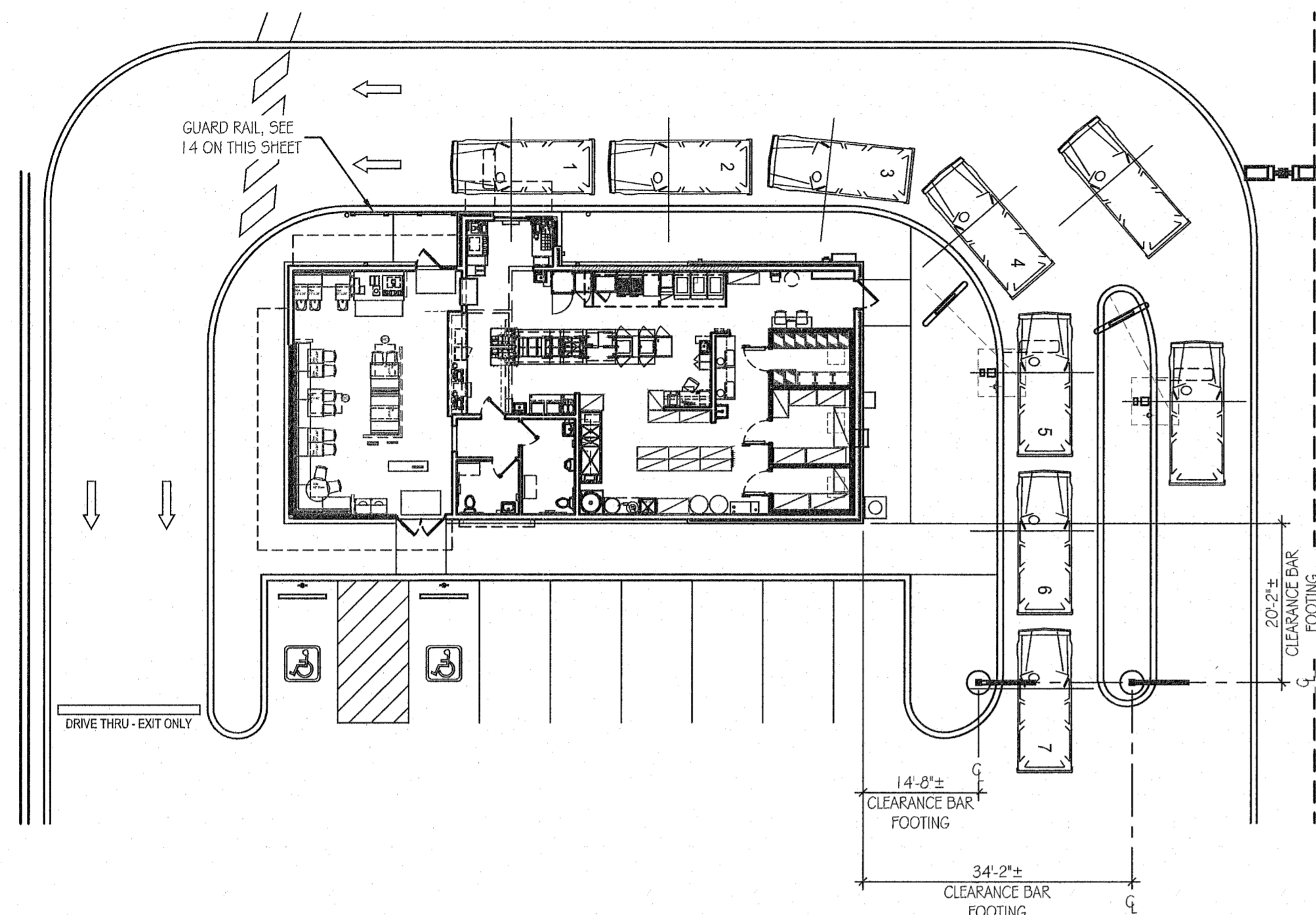
Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

MAY 18 2022

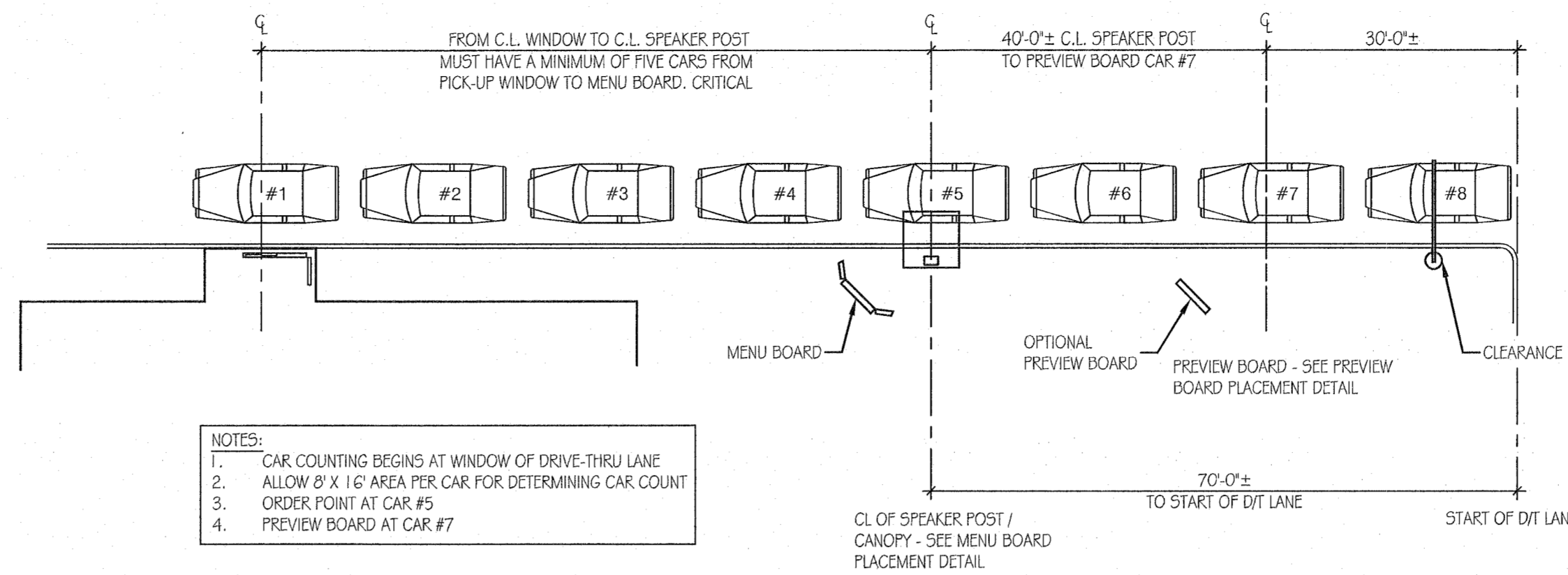
REGISTERED ARCHITECT & SYSTEMS DESIGNER

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

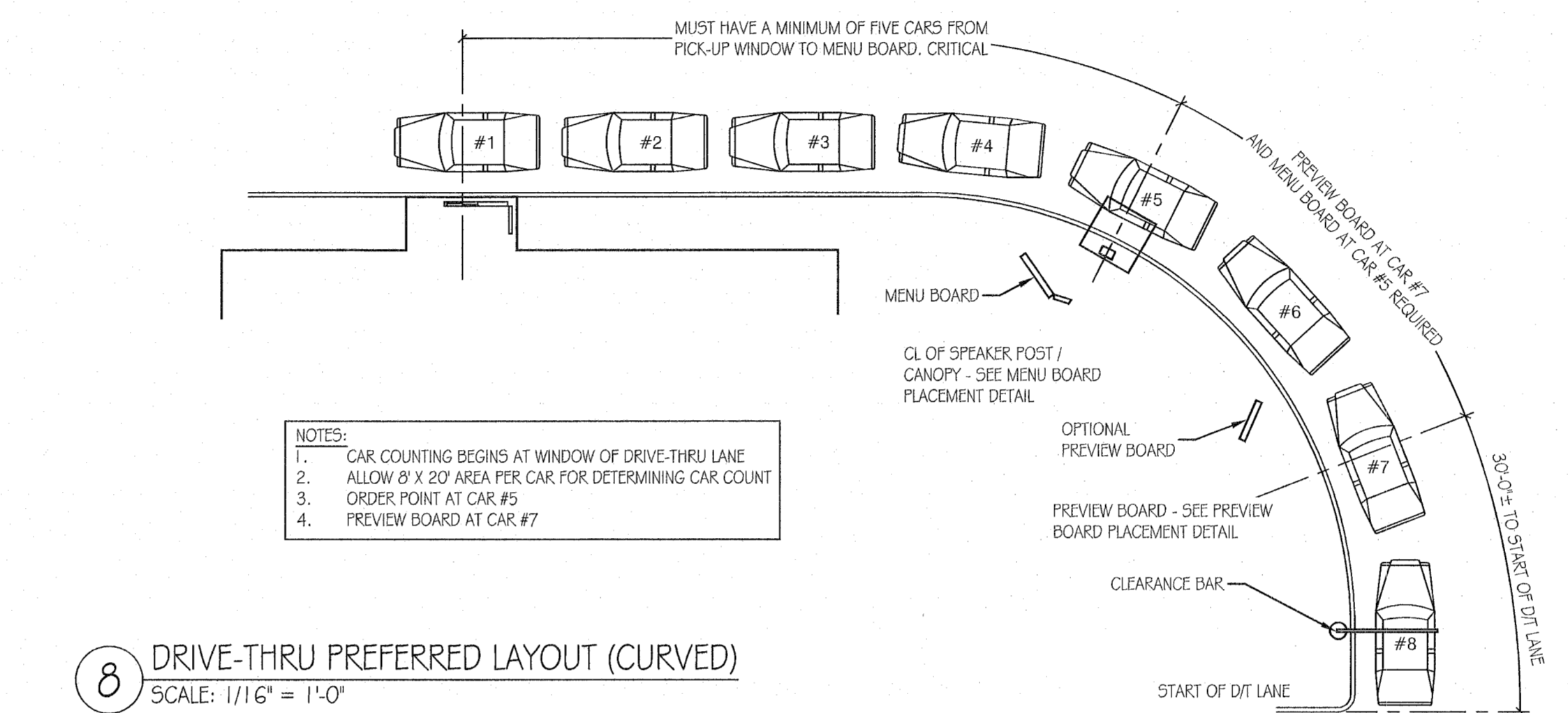
DATE: 05.18.22
JOB NO: 44343
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SHEET NUMBER: **2.9**
OF



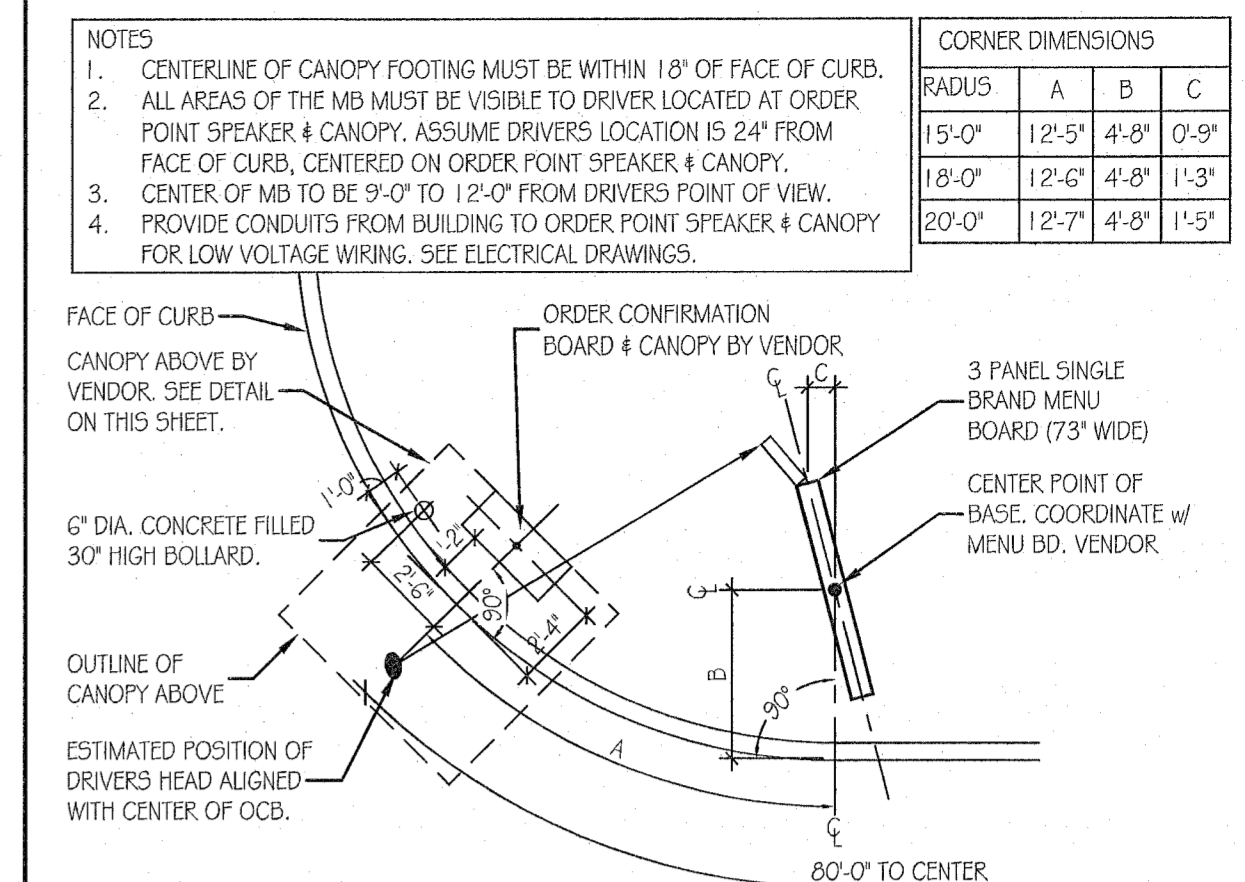
6 ENLARGED SITE PLAN
SCALE: 1/16" = 1'-0"



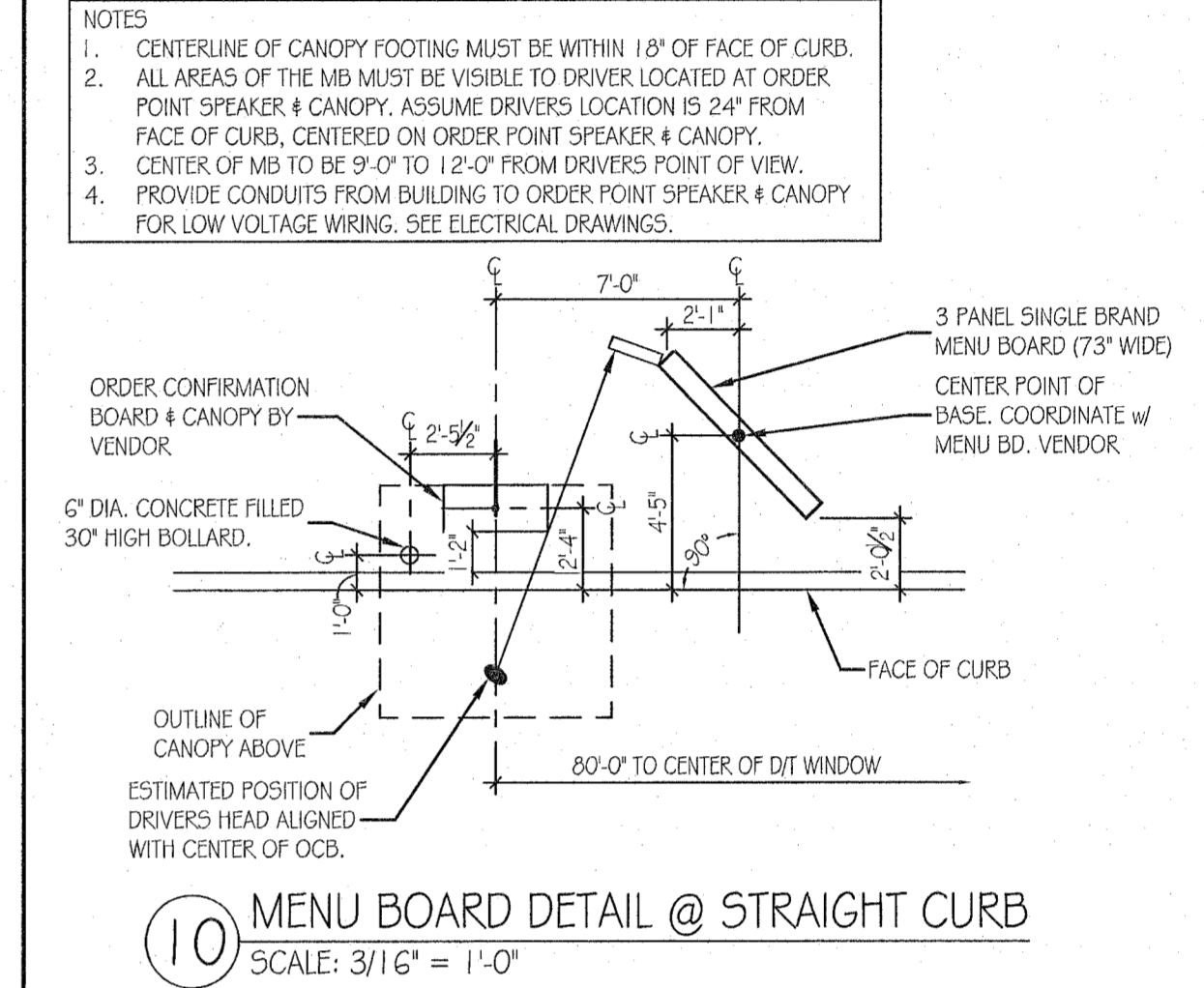
3 DRIVE-THRU PREFERRED LAYOUT (STRAIGHT)
SCALE: 1/16" = 1'-0"



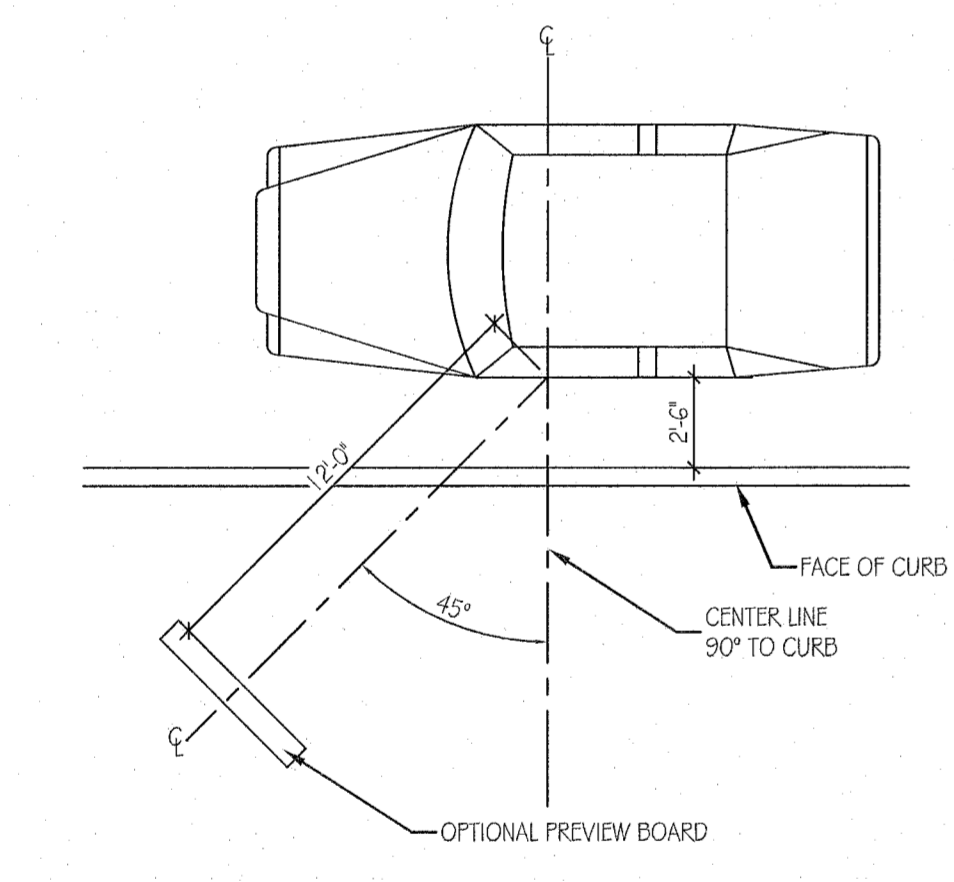
8 DRIVE-THRU PREFERRED LAYOUT (CURVED)
SCALE: 1/16" = 1'-0"



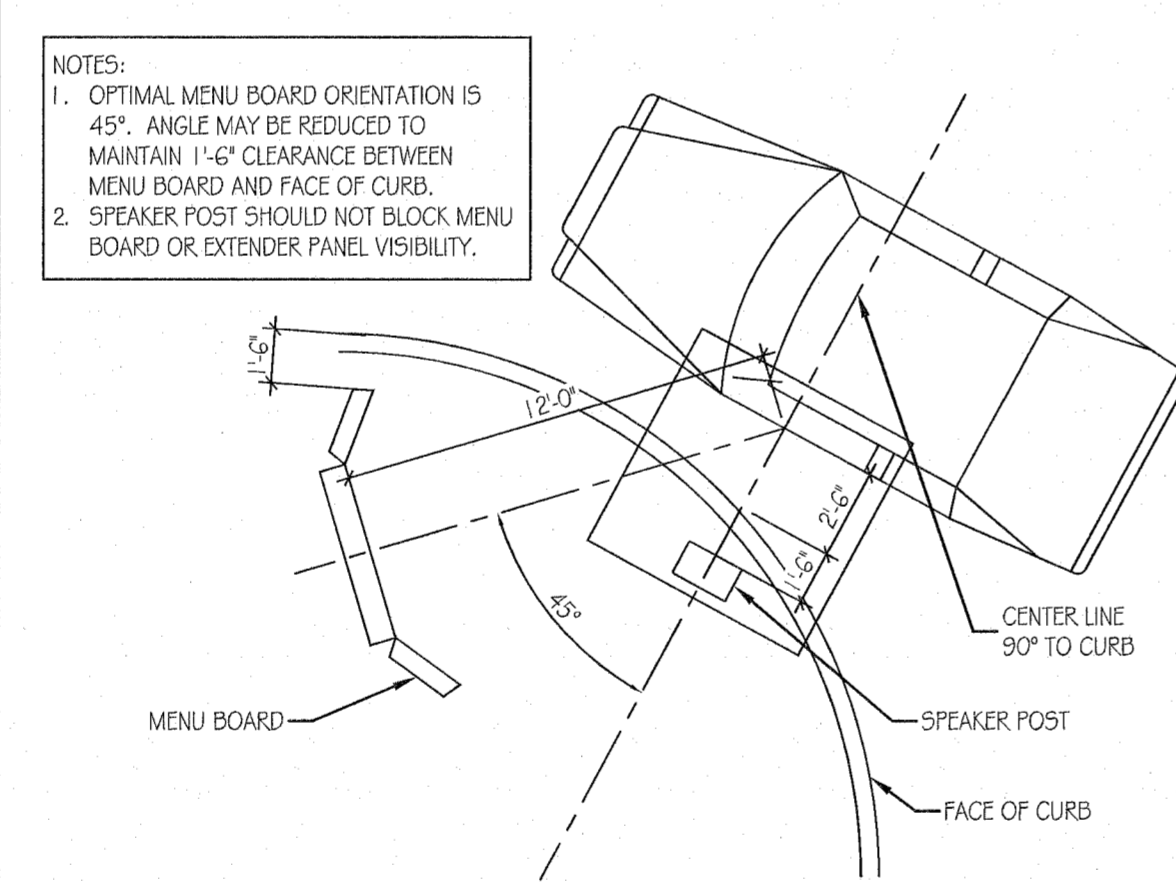
5 MENU BOARD DETAIL @ CURVED CURB
SCALE: 3/16" = 1'-0"



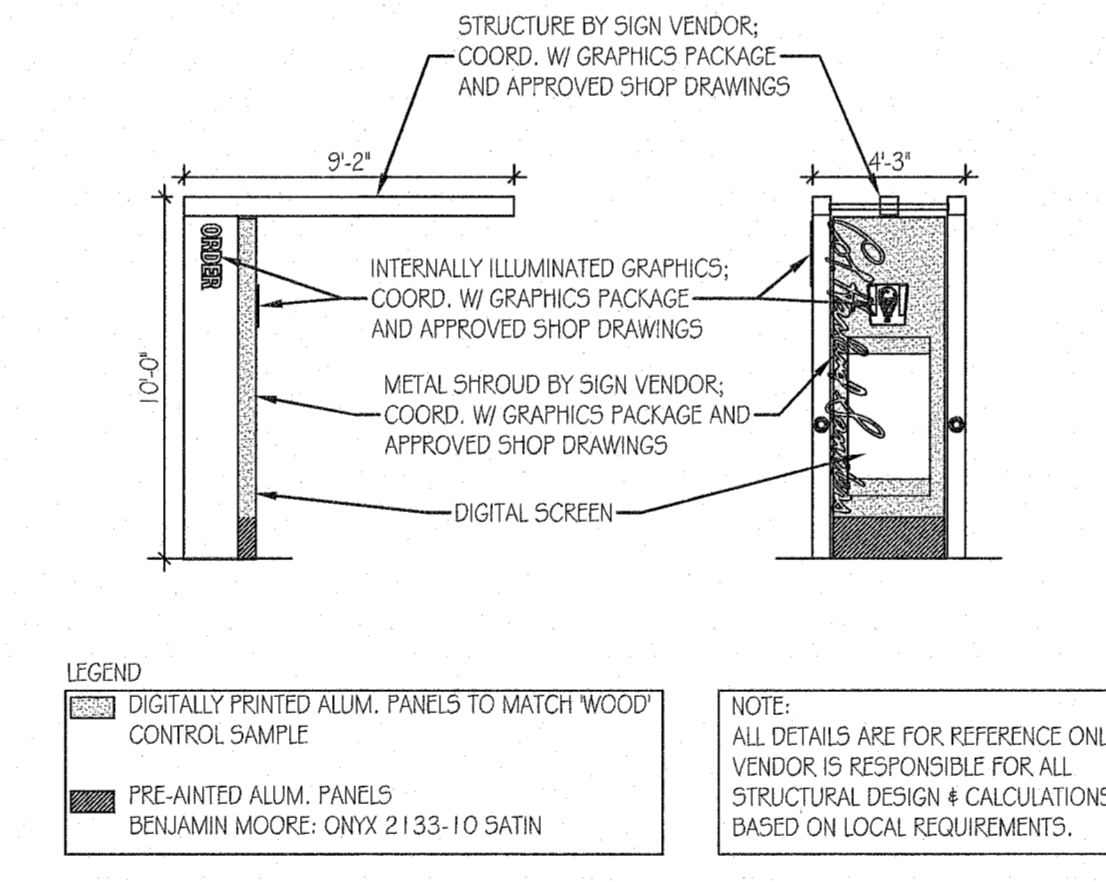
10 MENU BOARD DETAIL @ STRAIGHT CURB
SCALE: 3/16" = 1'-0"



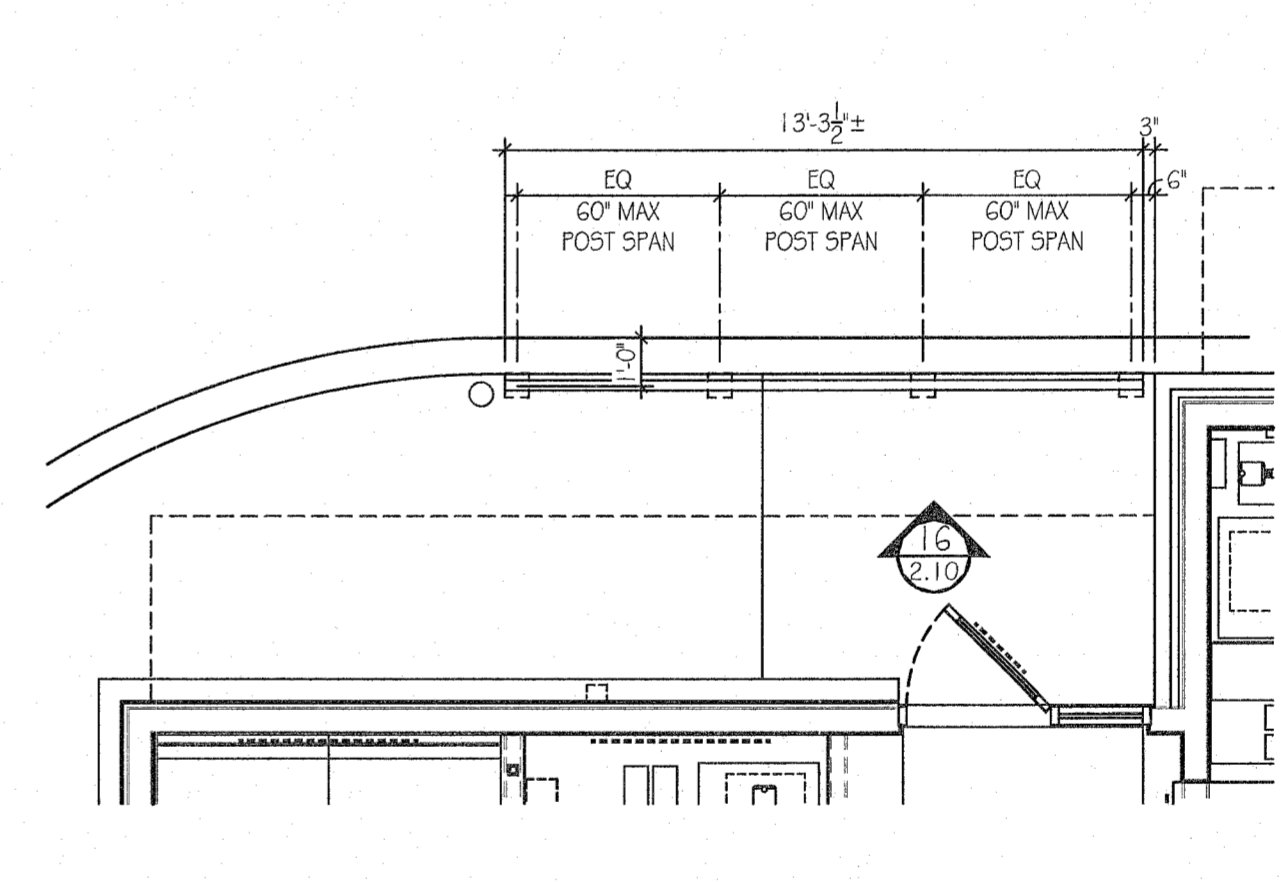
11 OPTIONAL PREVIEW BOARD DETAIL
SCALE: 3/16" = 1'-0"



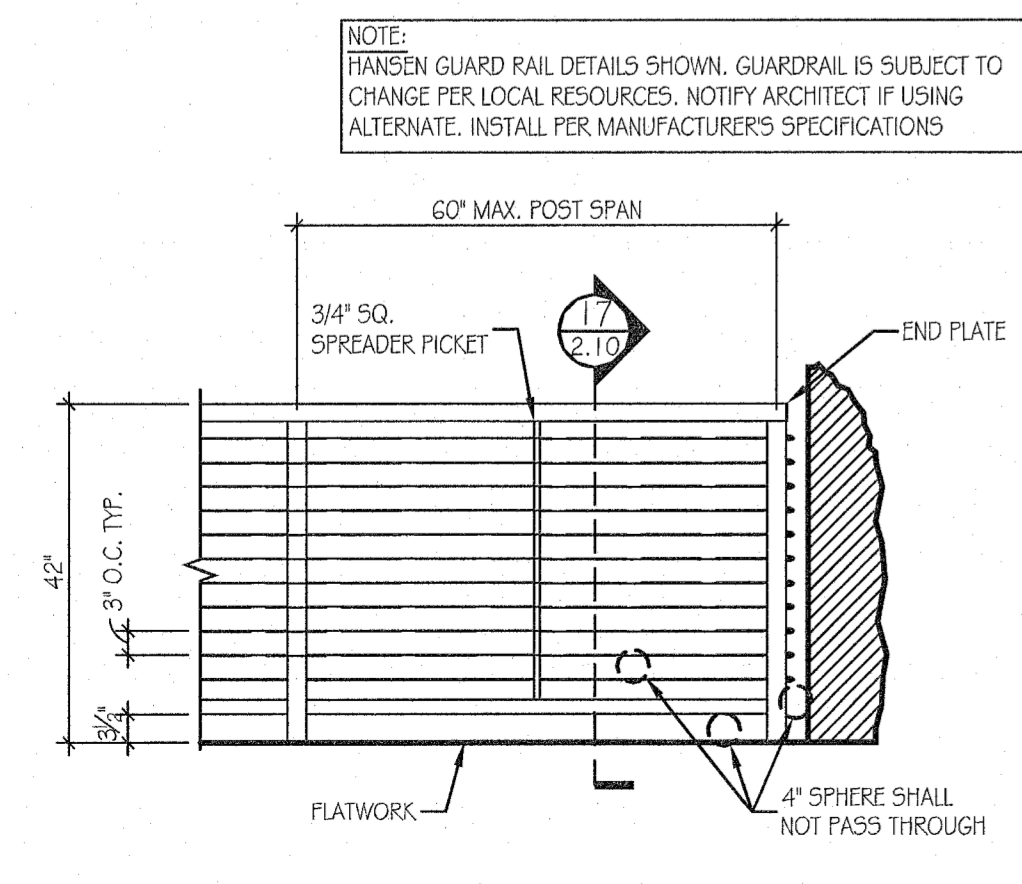
12 DRIVE-THRU DETAIL
SCALE: 3/16" = 1'-0"



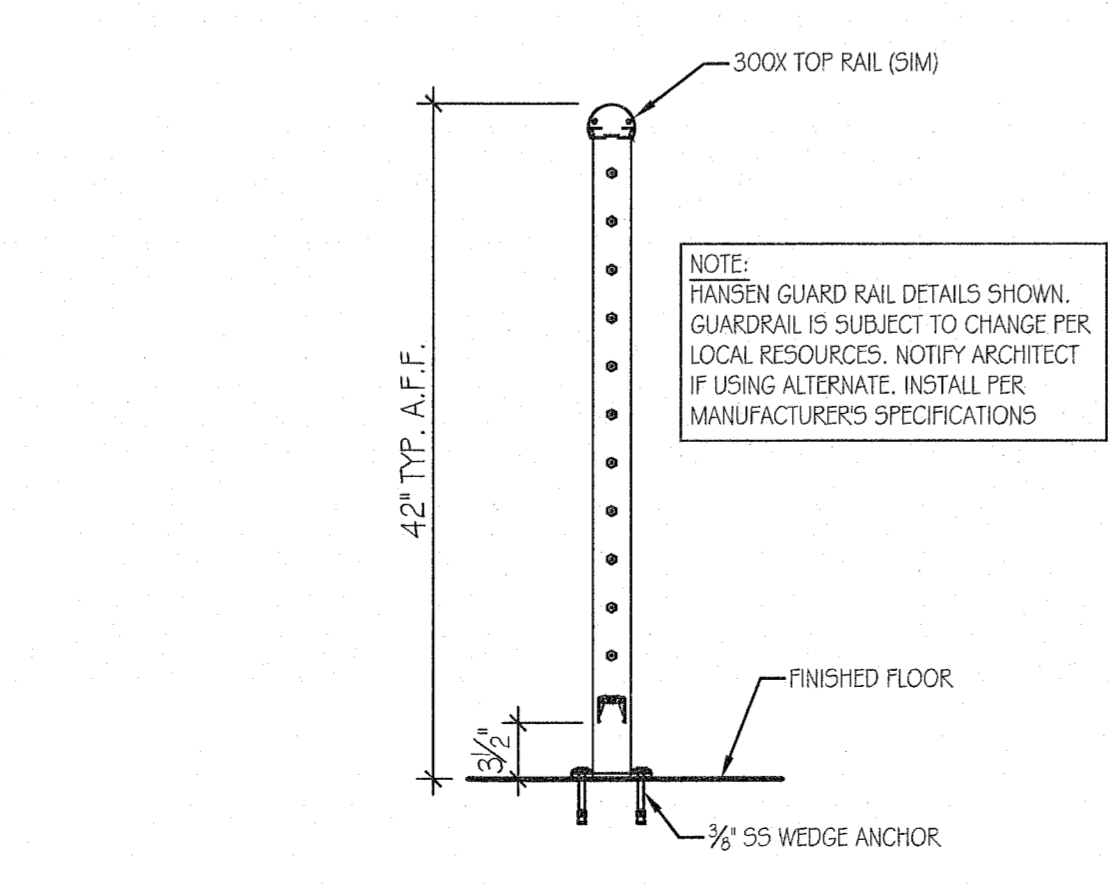
13 ORDER POINT CANOPY DETAIL
SCALE: NTS



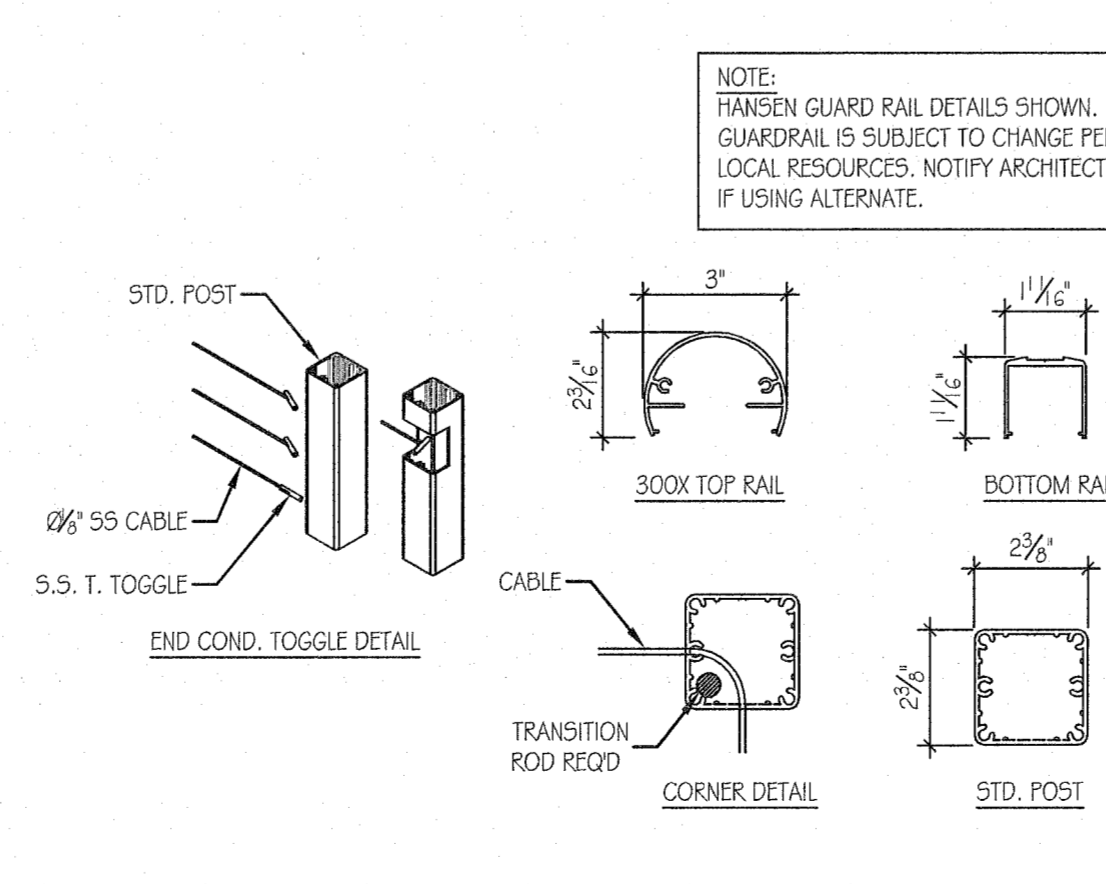
14 GUARD RAIL PLAN
SCALE: 1/4" = 1'-0"



16 GUARD RAIL ELEVATION DETAIL
SCALE: 1/2" = 1'-0"



17 GUARD RAIL SECTION
SCALE: 1" = 1'-0"



18 GUARD RAIL PARTS DETAILS
SCALE: 3" = 1'-0"

19 NOT USED

VERIFY CONCRETE FOOTINGS, BOLT PATTERNS, SIZE, ETC. w/ CURRENT APPROVED SIGN & EQUIPMENT VENDOR

ALL DRIVE-THRU ITEMS NEED REVIEW & APPROVAL FROM SIGN COMPANY & OPERATIONS

REVISIONS:

ARCHITECTURAL SITE DETAILS

Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

DATE: 05.18.22
JOB NO: 44343
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SHEET NUMBER: **2.10**

MAY 18 2022

REGISTERED ARCHITECT & SIGNED SEAL OF ARCHITECTURE PLANNING CONSULTING

DIMENSIONS:
 A. ALL DIMENSIONS ARE FROM INSIDE FACE OF CURB TO FACE OF STUD. REFER TO FOUNDATION PLAN FOR FACE OF CURB DIMENSIONS. SEE KEYNOTE 1, THIS SHEET.
 B. DIMENSIONS NOTED AS 'CLEAR' OR 'HOLD' ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF WALL FINISH.
 C. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

WINDOWS / DOORS:
 A. SEE SHEET 5.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
 B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

FINISH SUBSTRATES:
 A. PROVIDE 5/8" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 24" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES. U.N.O.
 B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH 'NSF INTERNATIONAL' APPROVED SEALANTS.
 C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 5/8" CDX PLYWOOD SUBSTRATE, U.O.N.
 D. PROVIDE SOLID BLOCKING FOR WALL SUPPORTED ITEMS.

DECOR:
 A. SEE 10.1 FOR SEATING PLAN AND DETAILS.
 B. SEE 5.2 FOR FLOOR FINISH PLAN.
 C. SEE 3.4, 11.1, 11.2, 11.3 FOR WALL INTERIOR ELEVATIONS.
 D. SEE 3.2 FOR CEILING PLAN.

GENERAL:
 A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. bc and (1) 10 lb. abc - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT.
 B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.
 C. COORDINATE FRAMING ABOVE CEILING WITH HVAC DUCT WORK.
 D. SEE SHEET 3.4 FOR ENLARGED RESTROOM PLAN.

- 1 STARTING POINT: ALL SUB-TRADES SHALL USE THIS POINT OF ORIGIN FOR LAY-OUT
- 2 20 GA. S.S. PANEL BEHIND HOOD. RE: MECHANICAL
- 3 PIPE BOLLARD. REFER TO SITE DRAWINGS. RE: CIVIL
- 4 HOOD WALL, SEE WALL LEGEND. COORDINATE WITH HOOD LOCATION. RE: MECHANICAL. REFER TO COOK LINE ELEVATION, SHEET 11.2 and MECHANICAL HOOD DETAILS.
- 5 ELECTRICAL CT CABINET AND METER. REFER TO ELECTRICAL DRAWINGS.
- 6 CO2 FILL BOX LOCATION. COORDINATE W/ SUPPLIER
- 7 METAL THRESHOLD.
- 8 TEXTURE PLUS FAUX BRICK WALL PANELS (REFER TO INTERIOR ELEVATIONS)
- 9 ELECTRICAL MODULAR SWITCH BOARD MDP, A, B, AND C; REFER TO ELECTRICAL DRAWINGS.
- 10 SYRUP / FILTERED WATER TUBE BUNDLES IN CHASE WALL (DINING) AND SS WALL-MOUNTED CHASE (DRIVE-THRU)
- 11 8" x 12" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL OPENING WITH DRINK STATION EQUIPMENT SUPPLIER. SEE 9.4.6
- 12 PROVIDE HORIZONTAL DOOR SWEEPS AT ALL EXTERIOR DOORS. SEE SHEET 5.1.1
- 13 COORDINATE WALL CLEARANCE WITH MOP SINK DIMENSIONS; SEE SHEET 10.1. REFER TO EQUIPMENT CUT SHEETS FROM SUPPLIER
- 14 GAS METER. RE: PLUMBING & CIVIL FOR EXACT LOCATION.
- 15 COOLER PANELS (MAINTAIN 2" AIR GAP BETWEEN PANELS AND WALL)
- 16 FURR OUT WALL BEHIND SEATING W/ 2X2 FURRING @ 16" O.C. SHEATH AS SCHEDULED.
- 17 GC-BUILT LOW WALL 3-8" FINISH HT. WITH WALL CAP AND SUPPORT COLUMN BOLTED INTO SLAB - CLARK DIETRICH L.G.P.W.-36 OR EQUAL AT NON-SUPPORTED ENDS(S). SEE INTERIOR ELEVATIONS FOR FINISH INFORMATION.
- 18 LOW WALL BENEATH SERVING COUNTER. SEE INTERIOR ELEVATIONS FOR FINISH INFORMATION.
- 19 METAL POST DIVIDERS TO CEILING. SEE SHEET 10.1
- 20 CONFIRM AND COORDINATE DIMENSIONS WITH VENDOR.

Wall Tag	Location	Size	Type	Height	Interior	Exterior	INSUL	Remarks	Reference
4C	Int.	3 1/2"	Wood	6" Above Clg	Gyp.	-	X	Kit & Toilet: 5/8" Durock to 24" a.f.f. w/gyp Above	CDX Plywood where shelving is to hung on wall
6C	Int.	5 1/2"	Wood	6" Above Clg	Gyp.	-	X	Kit & Toilet: 5/8" Durock to 24" a.f.f. w/gyp Above	MR Board (WP Wallboard) @ Wet Walls
6F	Ext./Int.	5 1/2"	Wood	Full	Gyp.	See Ext. Elevs	X	Kit & Toilet: 5/8" Durock to 24" a.f.f. w/gyp Above	MR Board (WP Wallboard) @ Wet Walls
6M	Int.	6"	Metal	Full	Gyp.	-	X	6" 18 GA. metal studs @ 16" O.C. w/ 18 GA. top and bottom track.	Kit & Toilet: 5/8" Durock to 24" a.f.f. w/gyp Above
C	Int.	4"	Cooler	-	-	-	-	Walk-in Cooler - Maintain 2" min clearance @ all walls	

1) See Sheet 5.1.1 & 5.1.2 for Room Finish Schedule & Notes
 2) All Studs to be 16" o.c. - typical
 3) Provide Sound Batt Insul @ Exterior Walls, Toilet Rooms & Office
 4) See Sheet 3.3.1 & 3.3.2 for Exterior Finishes
 5) RR, Warewash & Mech Faces - 5/8" water resistant gyp bd
 6) See Sheets 3.4, 11.1, 11.2 & 11.3 for Interior Finishes
 7) Gyp Bd. to be 5/8" type "X" - typical
 8) CDX Plywood to be 5/8" - typical
 9) Provide fireblocking in walls as required per code.

See sheet 4.0 for insulation notes

PLYWOOD DENOTES PLYWOOD SHEATHING

Underlayment Note:

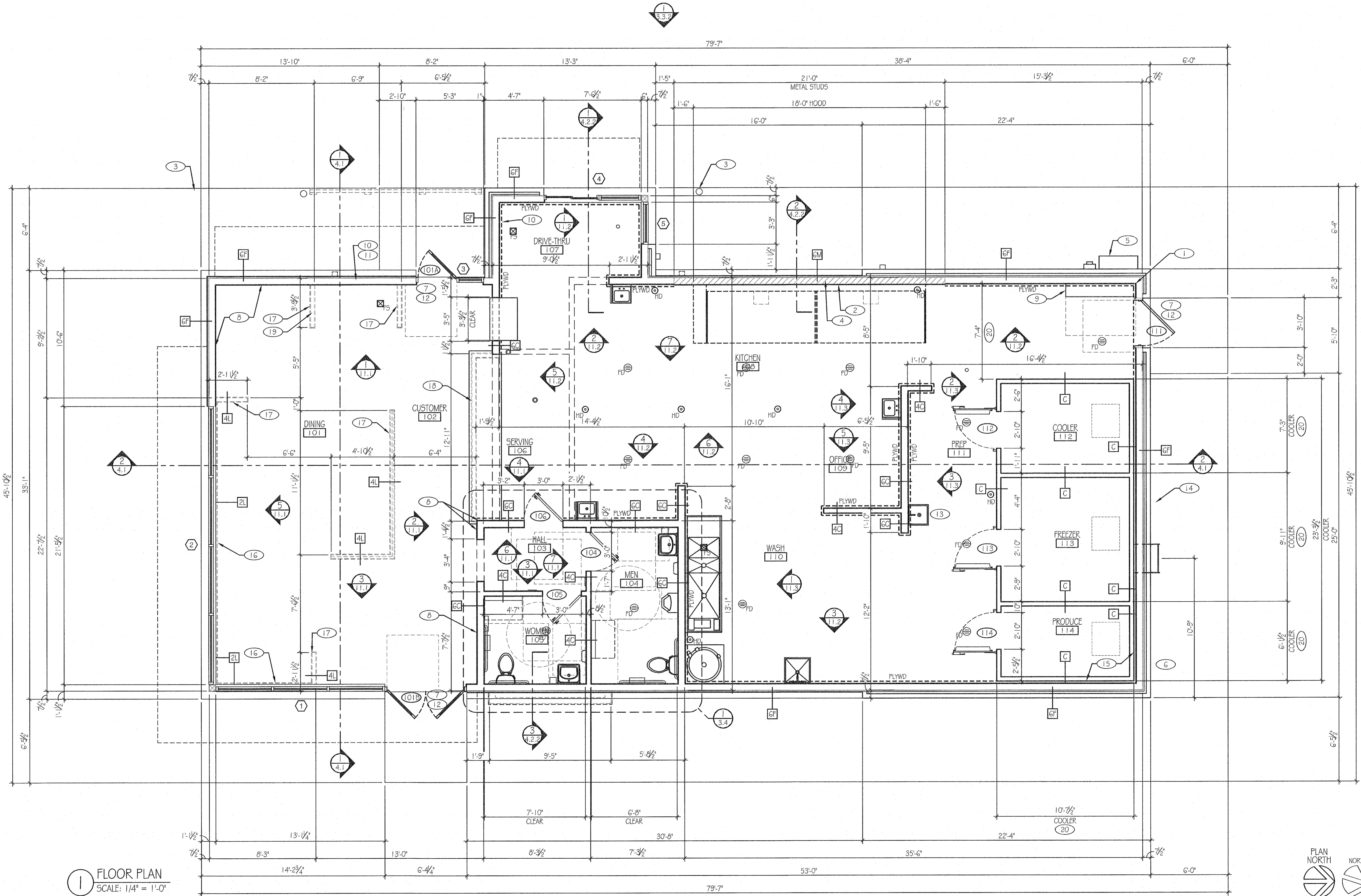
- TWO LAYERS OF TYVEK COMMERCIAL WRAP @ PERIMETER WALLS. ONE LAYER OF TYVEK OVER EXTERIOR SHEATHING & ONE LAYER OF TYVEK OVER CONTINUOUS INSULATION

Hoodwall Note:

ATTACH WOOD PLATE TO FOUNDATION THEN 18 GA. BOTTOM TRACK. INSTALL STUDS @ 16" O.C. w/ 18 GA. TOP TRACK. PLACE 2 - 2X8 WOOD TOP PLATE ON TOP. ENSURE BOTTOM PLATE IS ANCHORED DOWN TO FOUNDATION W/ 5/8" EXPANSION ANCHOR BOLTS PER SCHEDULE

HOODWALL:

EXTERIOR WALL WITH 20 GA. S.S. PANEL BEHIND HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. REFER TO MECHANICAL FOR EXTENT OF S.S. PANEL.



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

REVISIONS:

FLOOR PLAN

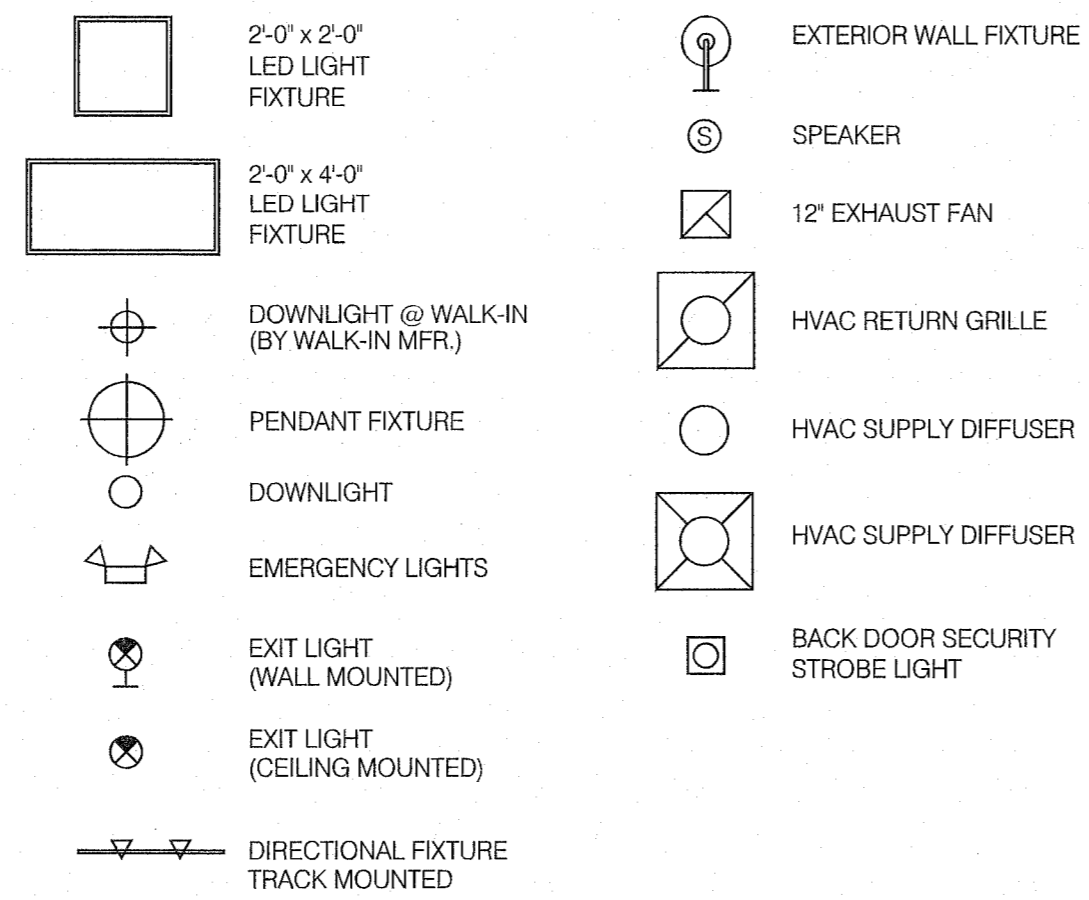
ARCHITECT
 Charles William Pope & Associates
 7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: [Signature]
SHEET NUMBER: 3.1 OF

MAY 18 2022

REGISTERED ARCHITECT STATE OF TEXAS

Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251



DIMENSIONS:
A. ALL DIMENSIONS ARE FROM FACE OF FINISH WALL TO C. OF FIXTURES; U.O.N.

CEILING FINISHES:
A. REFER TO ROOM FINISH SCHEDULE (SHTS 5.1.1 & 5.1.2) FOR CLG. FINISHES.

SUSPENDED CEILING:
A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT.
B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS, 2" MAX.
D. INSTALL SYSTEM AFTER MAJOR ABOVE CLG. WORK IS COMPLETE. COORD LOCATIONS OF HANGERS WITH RELATED WORK.
E. SEE SPECS FOR ADDITIONAL INFORMATION.

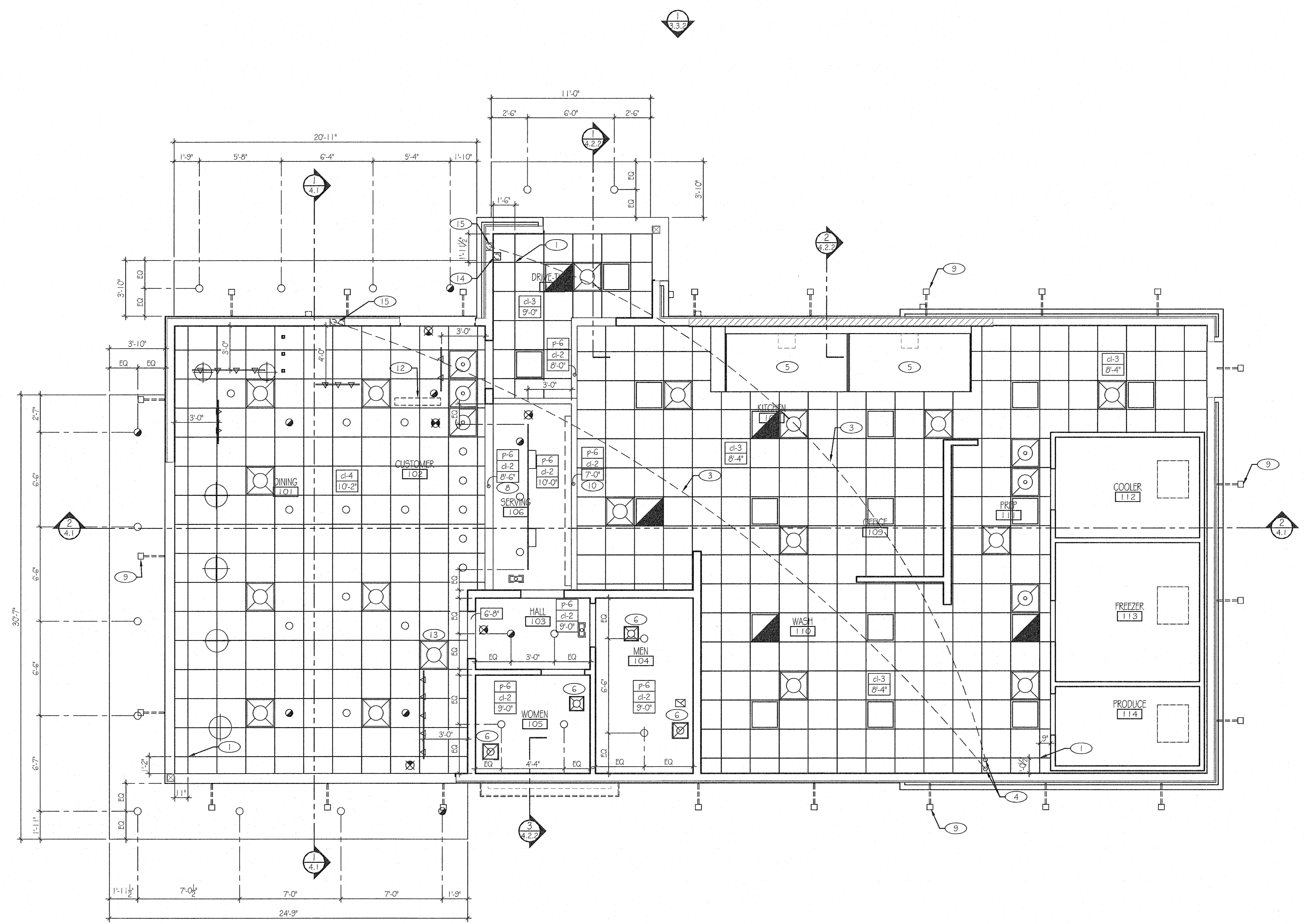
GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 5/8" THICK GYP. BD.

ELECTRICAL:
A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

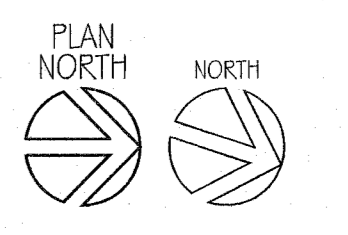
GENERAL NOTES:
A. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAM FOR SEALANT.

- 1 CEILING GRID STARTING POINT.
- 2 NOT USED.
- 3 SYRUP / FILTERED WATER TUBE BUNDLES FOR DRINK SYSTEM. SEE DETAILS 7, 8 / 4.6. SEE SCOPE OF WORK.
- 4 6" DIA PVC STUB THROUGH CEILING. SEE DETAIL 7/4.6.
- 5 HOOD. SEE MECHANICAL & SHEET 10.1.
- 6 SEE AIR DEVICE SCHEDULE FOR ROUGH FRAMING OPENINGS (TYP. AT RESTROOMS).
- 7 NOT USED.
- 8 BOTTOM OF ORDER AREA BULKHEAD AT 8'-6" A.F.F. SEE DETAIL 1/4.6.
- 9 EXTERIOR WALL LIGHT FIXTURES. SEE ELEVATIONS AND ELECT. DWGS.
- 10 BOTTOM OF MENU BOARD BULKHEAD AT 7'-0" A.F.F. SEE DETAIL 1/4.6.
- 11 SPEAKER (REFER ELECTRICAL FOR SPEAKER LOCATIONS).
- 12 ONLINE ORDER PICKUP SIGN, NON-ILLUMINATED, SUSPENDED FROM CEILING.

- 13 LOCATE DIFFUSER AS REQUIRED BETWEEN TRUSSES. LOCATION IS DETERMINED BY DROP FROM TRUNK LINE DOWN BETWEEN TRUSSES.
- 14 6" X 6" STAINLESS STEEL CHASE ALONG WALL FOR ICE MACHINE REFRIGERANT LINES: CEILING TO TOP OF ICE MACHINE; BY GENERAL CONTRACTOR.
- 15 SYRUP / FILTERED WATER TUBE BUNDLES CHASE IN WALL. SEE DETAIL 9/4.6.



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



REVISIONS:

REFLECTED CEILING PLAN

Potracco Rd @ Dugas Rd, San Antonio, Tx. 78251

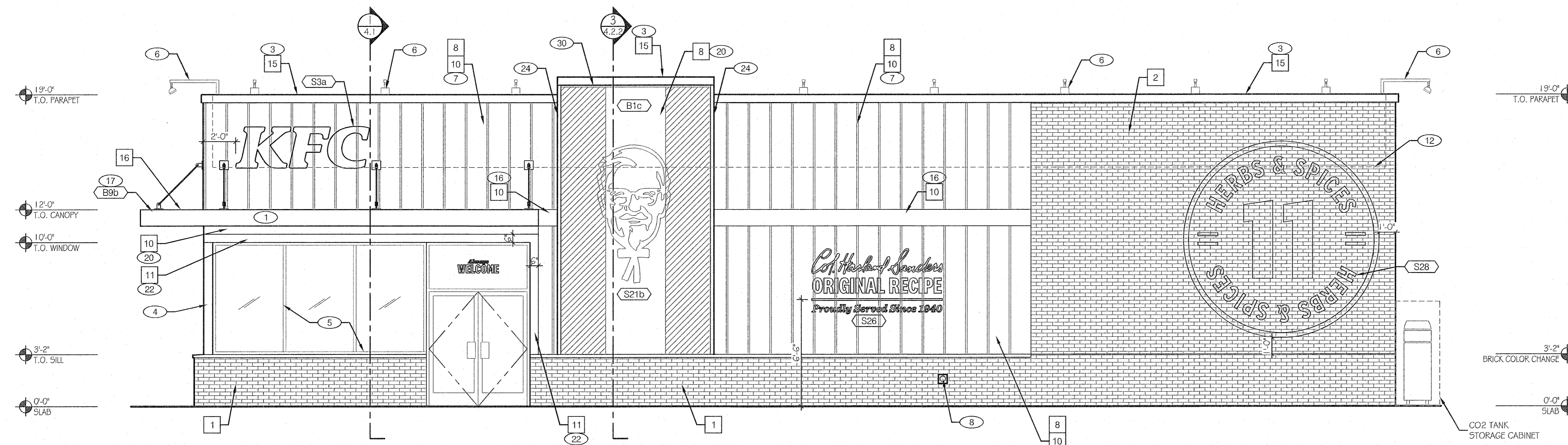
MAY 18 2022

ARCHITECT & SKETCH REGISTERED ARCHITECTS STATE OF TEXAS

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

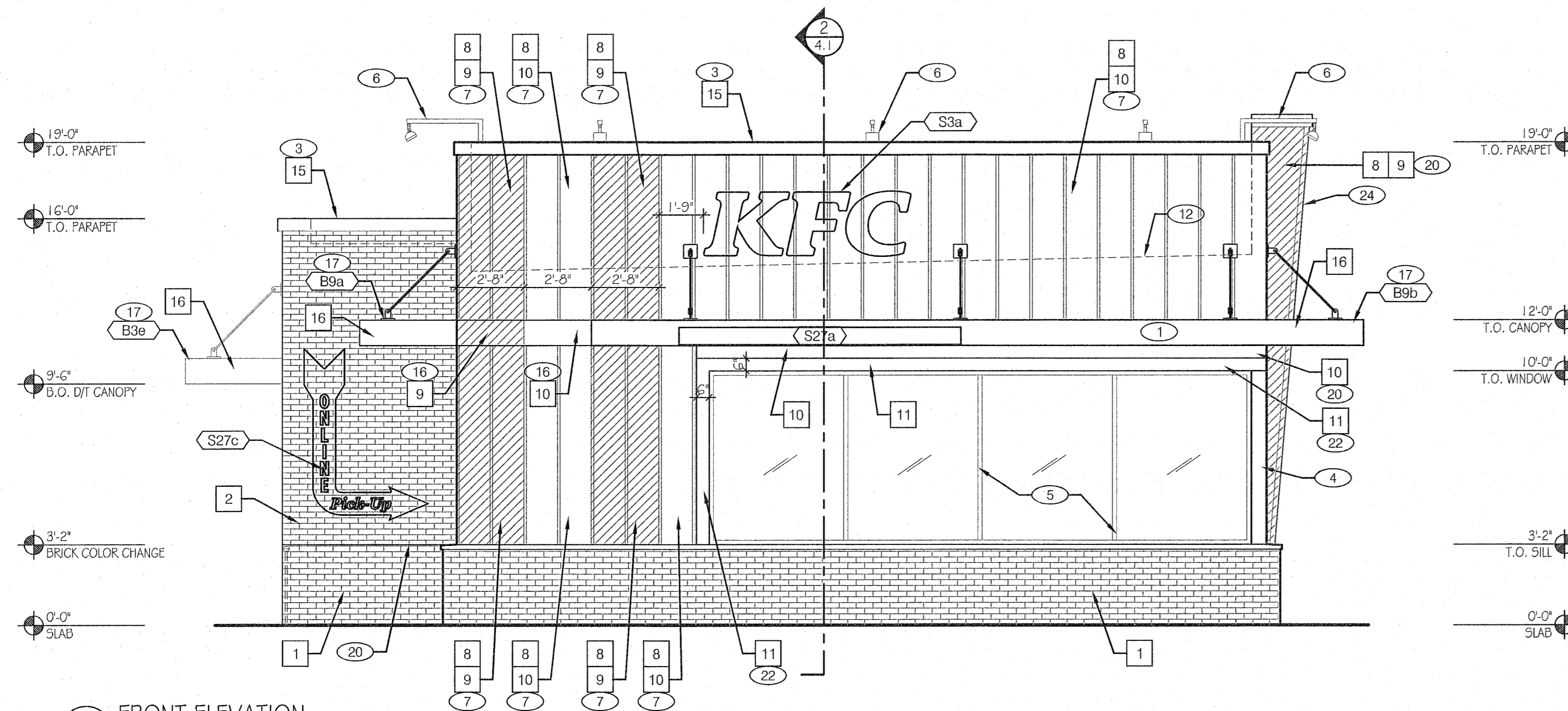
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JOB NO: 44343
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SHEET NUMBER: 3.2
OF

KFD02_2_Ceiling.rvt
1/8" = 1'-0"
1/8/22



1 RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"

- 1 PAINT WALL SURFACE BEHIND AWNING
- 2 DRIVE-THRU WINDOW. SEE SHEET 5.1.1
- 3 PARAPET FASCIA CAP (COLOR: BLACK)
- 4 METAL WRAP TO MATCH EXTERIOR STOREFRONT FRAMING (CLEAR ANODIZED ALUMINUM)
- 5 ALUMINUM STOREFRONT WINDOW / DOOR SYSTEM. SEE SHEET 5.1.1.
- 6 WALL LIGHTING - LIGHTING VENDOR SUPPLIED / GC INSTALLED. SEE ELEC.
- 7 HARDI-PANEL SIDING
- 8 HOSE BIB - REFER TO PLUMBING DRAWINGS.
- 9 CO2 FILLER VALVE & COVER.
- 10 SCUPPER, COLLECTOR AND DOWNSPOUT 6" MIN.
- 11 SWITCHGEAR.
- 12 INDICATES TOP OF ROOF DECK.
- 13 OVERFLOW SCUPPER
- 14 GAS METER. DO NOT PAINT METER.
- 15 COORDINATE LOCATION OF GRAPHIC WITH FINAL ELECTRIC PANEL/GAS METER LOCATION. ADJUST HEIGHT OF LETTERS AS REQUIRED.
- 16 TRIM BOARD. REFER TO WALL SECTIONS.
- 17 VENDOR PROVIDED CANOPY
- 18 HOLLOW METAL FRAMED WINDOW/DOOR SYSTEM.
- 19 NOT USED
- 20 HARDIE PANEL WITH NO BATTENS THIS AREA.
- 21 LINE OF PAINT COLOR CHANGE.
- 22 6" WIDE PAINTED BAND.
- 23 EMERGENCY LIGHTS. SEE ELECTRICAL SHEETS
- 24 HARDIE TRIM 2.5" WIDTH, PAINTED TO MATCH ADJACENT SURFACES.
- 25 STAINLESS STEEL CORNER GUARDS.
- 26 HANDICAP SIGNAGE; MOUNT AT 5'-0" A.F.F.
- 27 SECURITY DOOR. OWNER-SUPPLIED / G.C. INSTALL.
- 28 EXTERIOR FINISH DIMENSION; TYPICAL.
- 29 ROOFTOP EQUIPMENT - SHOWN DASHED FOR REFERENCE.
- 30 LINEAR DOWNLIGHT FIXTURE.



2 FRONT ELEVATION
SCALE: 1/4" = 1'-0"

SYMBOL	EXTERIOR WALL AREA	MANUFACTURER	DESCRIPTION	NOTES
BRICK				
1	BLACK EXTERIOR BRICK @ BUILDING BASE	THE BELDEN BRICK COMPANY	MODULAR FACE BRICK C216 BLACK DIAMOND VELOUR STANDARD RUNNING BOND	ALTERNATE: MODULAR FACE BRICK C216 DOWNING BLACK VELOUR STANDARD RUNNING BOND
2	WHITE EXTERIOR BRICK @ BUILDING FACADE	THE BELDEN BRICK COMPANY	MODULAR FACE BRICK ALASKA WHITE VELOUR STANDARD RUNNING BOND	
METAL				
5	RED METAL	VENDOR PROVIDED	48"X96"- PTD TO MATCH p-1 BENJAMIN MOORE EXOTIC RED 2086-10	
6	WHITE METAL	VENDOR PROVIDED	48"X96"- PTD TO MATCH p-2 BENJAMIN MOORE WEDDING VEIL 2125-70	
SPECIAL FINISH				
8	FIBER CEMENT SIDING AT WALLS	JAMES HARDIE	BOARD AND BATTEN STYLE WHERE SHOWN (PAINTED) REFER TO EXTERIOR ELEVATIONS.	www.jameshardie.com HARDIE PANEL VERTICAL SIDING - SMOOTH
PAINT				
9	RED EXTERIOR PAINT	TBD	BENJAMIN MOORE EXOTIC RED 2086-10	
10	WHITE EXTERIOR PAINT	TBD	BENJAMIN MOORE WEDDING VEIL 2125-70	
11	BLACK EXTERIOR PAINT	TBD	BENJAMIN MOORE ONYX 2133-10	
METAL TRIM				
15	EXTERIOR METAL TRIM (BLACK)		TO MATCH p-3 BENJAMIN MOORE ONYX 2133-10	
16	EXTERIOR METAL TRIM (RED)		TO MATCH p-1 BENJAMIN MOORE EXOTIC RED 2086-10	

MISCELLANEOUS:

- A. SEE SHEET 5.1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.
- B. REFER TO SHEET 5.1.2 FOR EXTERIOR GRAPHICS - IMAGE COMPONENTS SCHEDULE - IMAGE COMPONENTS SCHEDULE; REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION.

SEALERS (REFER TO SPECS):

- A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
- B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL AT WINDOWS.

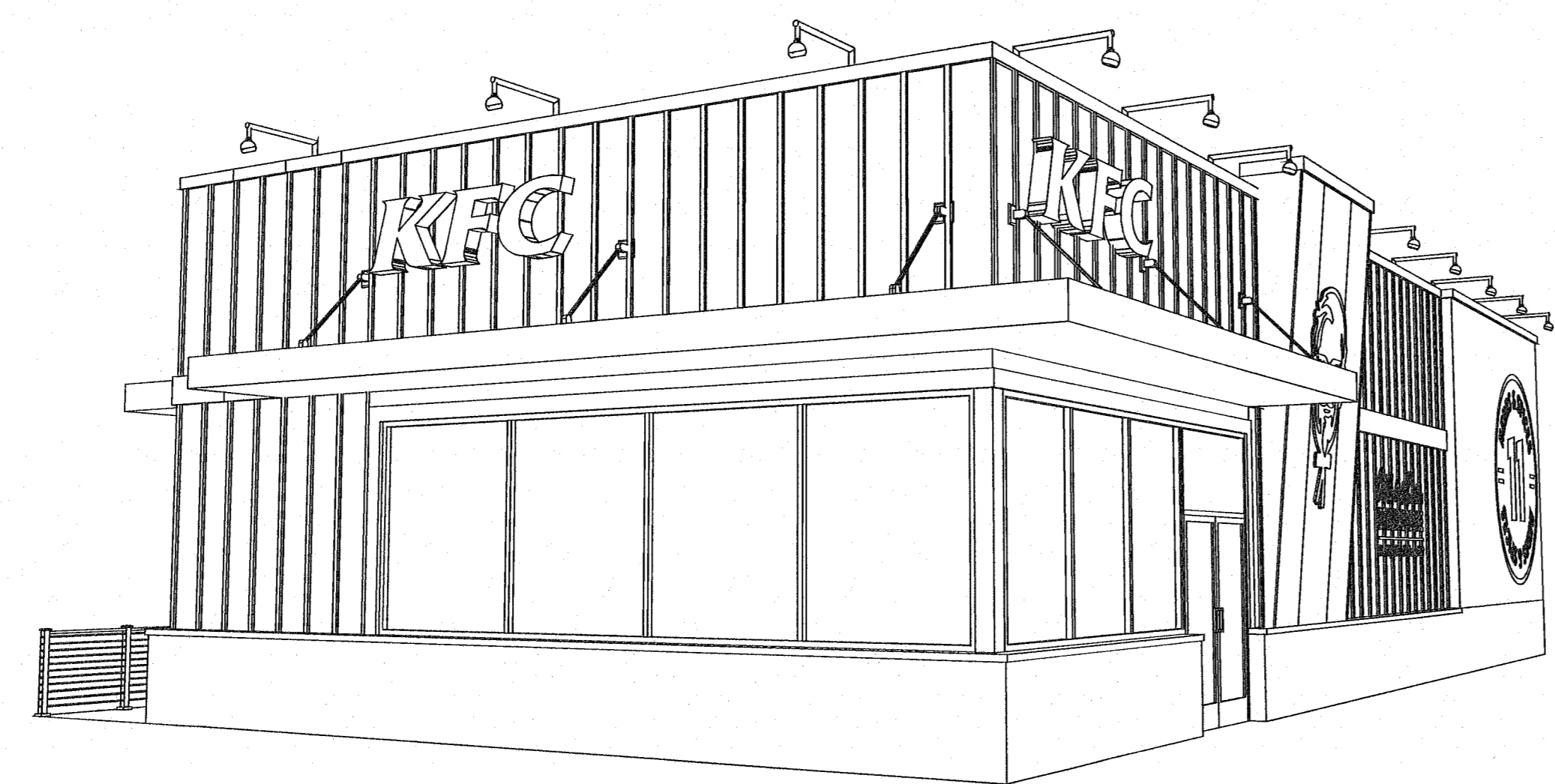
THE GENERAL CONTRACTOR SHALL ENSURE THAT THE BRICK JOINTS ARE PLUMB AND LEVEL, AND THE BRICK FACES ALIGNED AND FLUSH.

VENDOR SUPPLIED / INSTALLED ELEMENTS:

GC TO COORDINATE WITH VENDOR PROVIDED / VENDOR INSTALLED SIGNAGE AND BUILDING ELEMENTS.

NOTE:
REFER TO GRAPHICS PACKAGE FOR EXACT LOCATION, SIZE AND FORM OF ALL EXTERIOR DIMENSIONAL AND APPLIED LOGOS, SIGNS BANNERS AND GRAPHICS.

See sheet 4.0 for glass notes

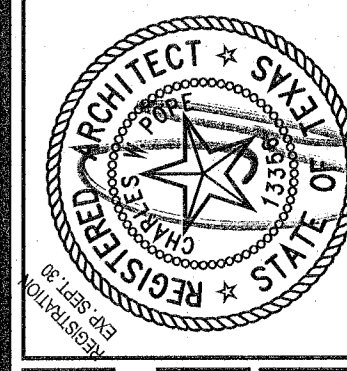


REVISIONS:

ELEVATIONS

KFC Dugas

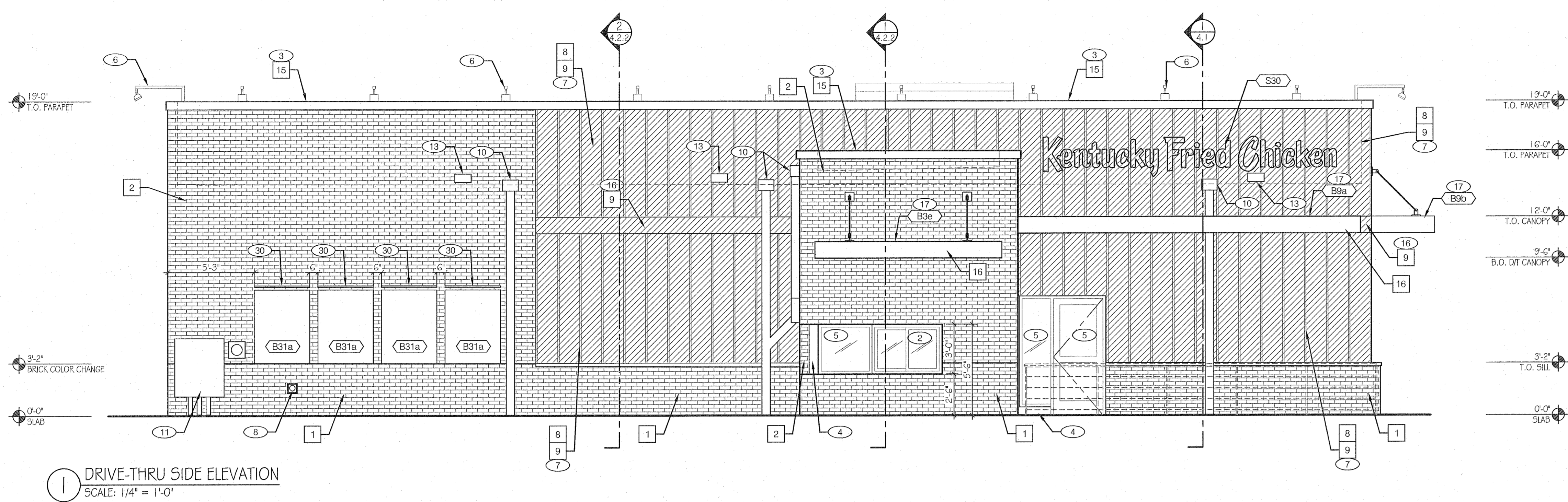
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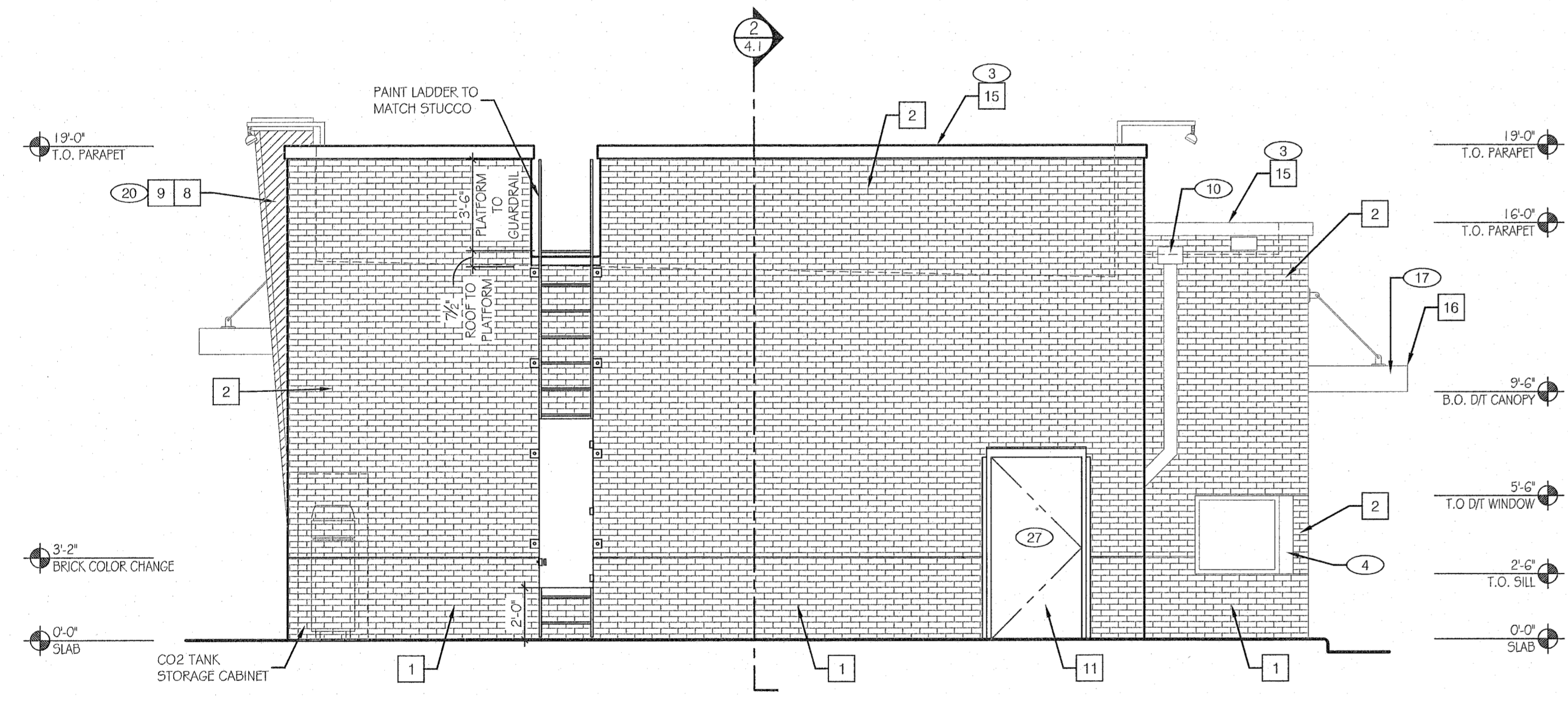
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7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: CRJ
SHEET NUMBER:
3.3.1
OF

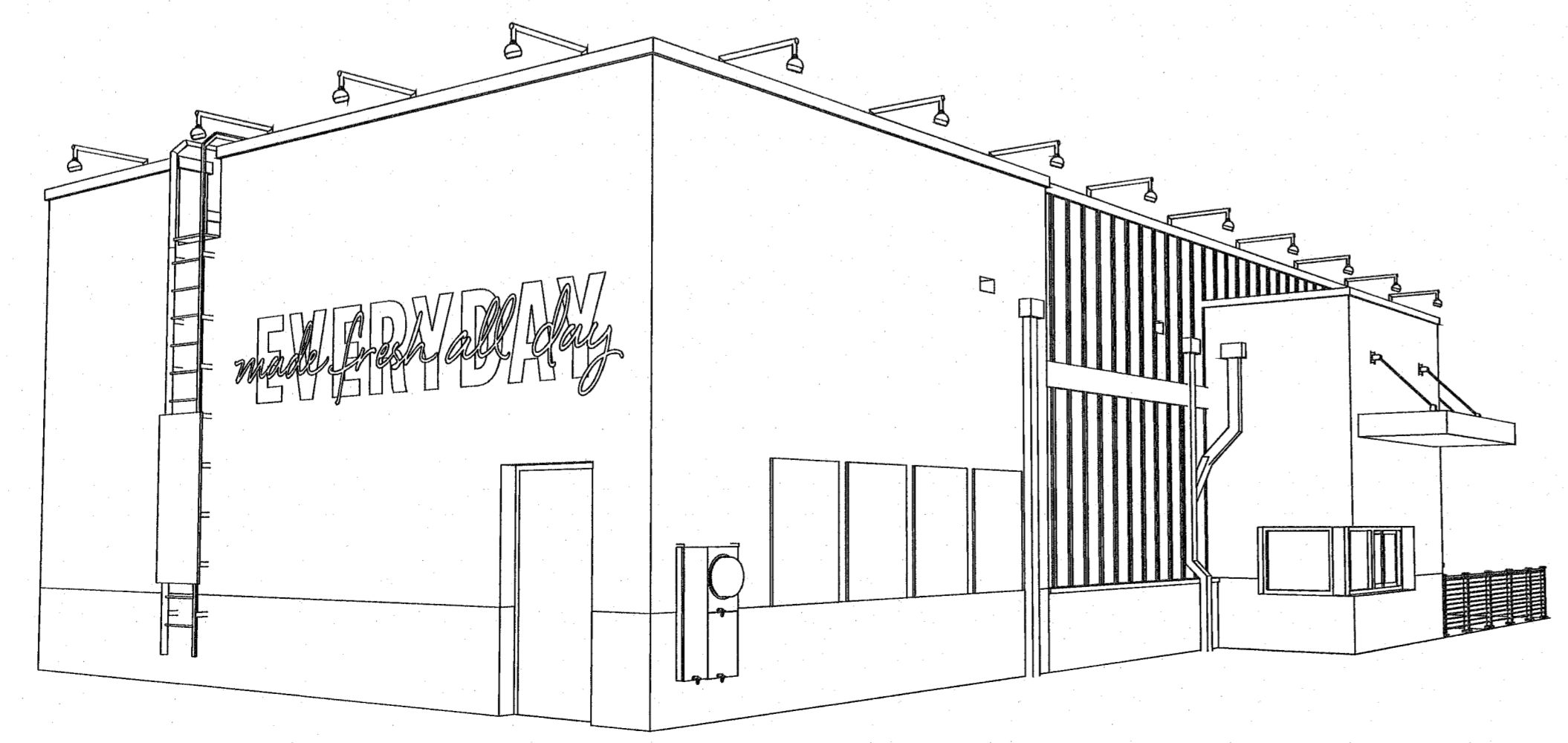
- 1 PAINT WALL SURFACE BEHIND AWNING
- 2 DRIVE-THRU WINDOW. SEE SHEET 5.1.1
- 3 PARAPET FASCIA CAP (COLOR: BLACK)
- 4 METAL WRAP TO MATCH EXTERIOR STOREFRONT FRAMING (CLEAR ANODIZED ALUMINUM)
- 5 ALUMINUM STOREFRONT WINDOW / DOOR SYSTEM. SEE SHEET 5.1.1
- 6 WALL LIGHTING - LIGHTING VENDOR SUPPLIED / GC INSTALLED. SEE ELEC.
- 7 HARDI-PANEL SIDING
- 8 HOSE BIB - REFER TO PLUMBING DRAWINGS.
- 9 CO2 FILLER VALVE & COVER
- 10 SCUPPER, COLLECTOR AND DOWNSPOUT 6" MIN. SWITCHGEAR.
- 12 INDICATES TOP OF ROOF DECK
- 13 OVERFLOW SCUPPER
- 14 GAS METER. DO NOT PAINT METER.
- 15 COORDINATE LOCATION OF GRAPHIC WITH FINAL ELECTRIC PANEL/GAS METER LOCATION. ADJUST HEIGHT OF LETTERS AS REQUIRED.
- 16 TRIM BOARD. REFER TO WALL SECTIONS.
- 17 VENDOR PROVIDED CANOPY
- 18 HOLLOW METAL FRAMED WINDOW/DOOR SYSTEM.
- 19 NOT USED
- 20 HARDIE PANEL WITH NO BATTENS THIS AREA.
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- 22 6" WIDE PAINTED BAND.
- 23 EMERGENCY LIGHTS, SEE ELECTRICAL SHEETS
- 24 HARDIE TRIM 2.5" WIDTH, PAINTED TO MATCH ADJACENT SURFACES.
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- 27 SECURITY DOOR. OWNER-SUPPLIED / G.C. INSTALL.
- 28 EXTERIOR FINISH DIMENSION; TYPICAL.
- 29 ROOFTOP EQUIPMENT - SHOWN DASHED FOR REFERENCE.
- 30 LINEAR DOWNLIGHT FIXTURE.



1 DRIVE-THRU SIDE ELEVATION
SCALE: 1/4" = 1'-0"



2 BACK ELEVATION
SCALE: 1/4" = 1'-0"



SYMBOL	EXTERIOR WALL AREA	MANUFACTURER	DESCRIPTION	NOTES
BRICK				
1 br-1	BLACK EXTERIOR BRICK @ BUILDING BASE	THE BELDEN BRICK COMPANY	MODULAR FACE BRICK C216 BLACK DIAMOND VELOUR STANDARD RUNNING BOND	ALTERNATE: MODULAR FACE BRICK C216 DOWNING BLACK VELOUR STANDARD RUNNING BOND
2 br-2	WHITE EXTERIOR BRICK @ BUILDING FACADE	THE BELDEN BRICK COMPANY	MODULAR FACE BRICK ALASKA WHITE VELOUR STANDARD RUNNING BOND	
METAL				
5 m-1	RED METAL	VENDOR PROVIDED	48"X96"- PTD TO MATCH p-1 BENJAMIN MOORE EXOTIC RED 2086-10	
6 m-2	WHITE METAL	VENDOR PROVIDED	48"X96"- PTD TO MATCH p-2 BENJAMIN MOORE WEDDING VEIL 2125-70	
SPECIAL FINISH				
8 sf-1	FIBER CEMENT SIDING AT WALLS	JAMES HARDIE	BOARD AND BATTEN STYLE WHERE SHOWN (PAINTED) REFER TO EXTERIOR ELEVATIONS.	www.jameshardie.com HARDIE PANEL VERTICAL SIDING - SMOOTH
PAINT				
9 p-1	RED EXTERIOR PAINT	TBD	BENJAMIN MOORE EXOTIC RED 2086-10	
10 p-2	WHITE EXTERIOR PAINT	TBD	BENJAMIN MOORE WEDDING VEIL 2125-70	
11 p-3	BLACK EXTERIOR PAINT	TBD	BENJAMIN MOORE ONYX 2133-10	
METAL TRIM				
15	EXTERIOR METAL TRIM (BLACK)		TO MATCH p-3 BENJAMIN MOORE ONYX 2133-10	
16	EXTERIOR METAL TRIM (RED)		TO MATCH p-1 BENJAMIN MOORE EXOTIC RED 2086-10	

- MISCELLANEOUS:**
- A. SEE SHEET 5.1.1 'WINDOW TYPES' FOR WINDOW ELEVATIONS.
 - B. REFER TO SHEET 5.1.2 FOR EXTERIOR GRAPHICS - IMAGE COMPONENTS SCHEDULE - IMAGE COMPONENTS SCHEDULE; REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION.

- SEALERS (REFER TO SPECS):**
- A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
 - B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL AT WINDOWS.

THE GENERAL CONTRACTOR SHALL ENSURE THAT THE BRICK JOINTS ARE PLUMB AND LEVEL, AND THE BRICK FACES ALIGNED AND FLUSH.

VENDOR SUPPLIED / INSTALLED ELEMENTS:

GC TO COORDINATE WITH VENDOR PROVIDED / VENDOR INSTALLED SIGNAGE AND BUILDING ELEMENTS.

NOTE:

REFER TO GRAPHICS PACKAGE FOR EXACT LOCATION, SIZE AND FORM OF ALL EXTERIOR DIMENSIONAL AND APPLIED LOGOS, SIGNS BANNERS AND GRAPHICS.

See sheet 4.0 for glass notes

REVISIONS:

ELEVATIONS

WPKFC Dugas

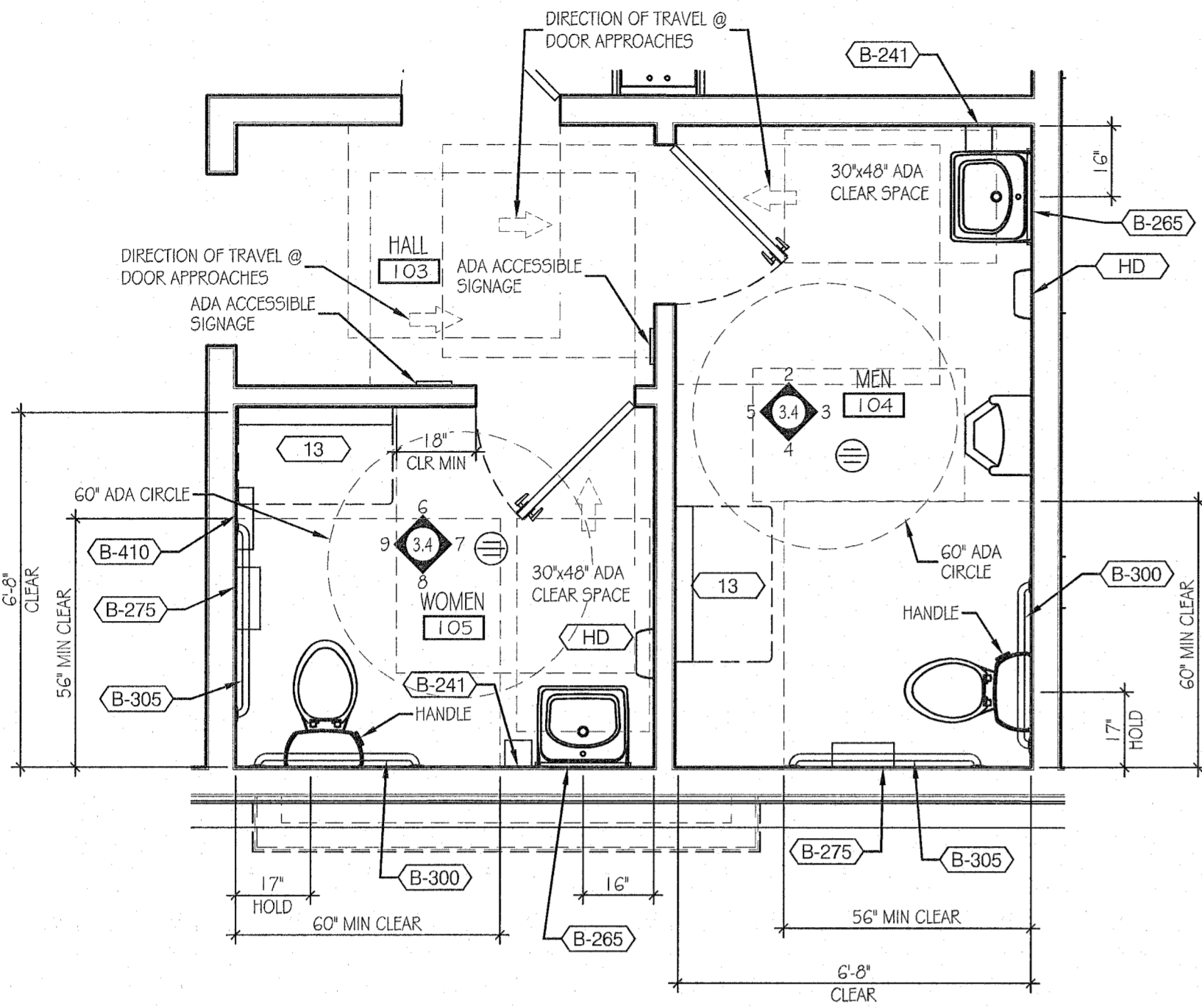
Potranc Rd @ Dugas Rd, San Antonio, Tx, 78251

MAY 18 2022

REGISTERED ARCHITECT STATE OF TEXAS

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: [Signature]
SHEET NUMBER: **3.3.2**
OF



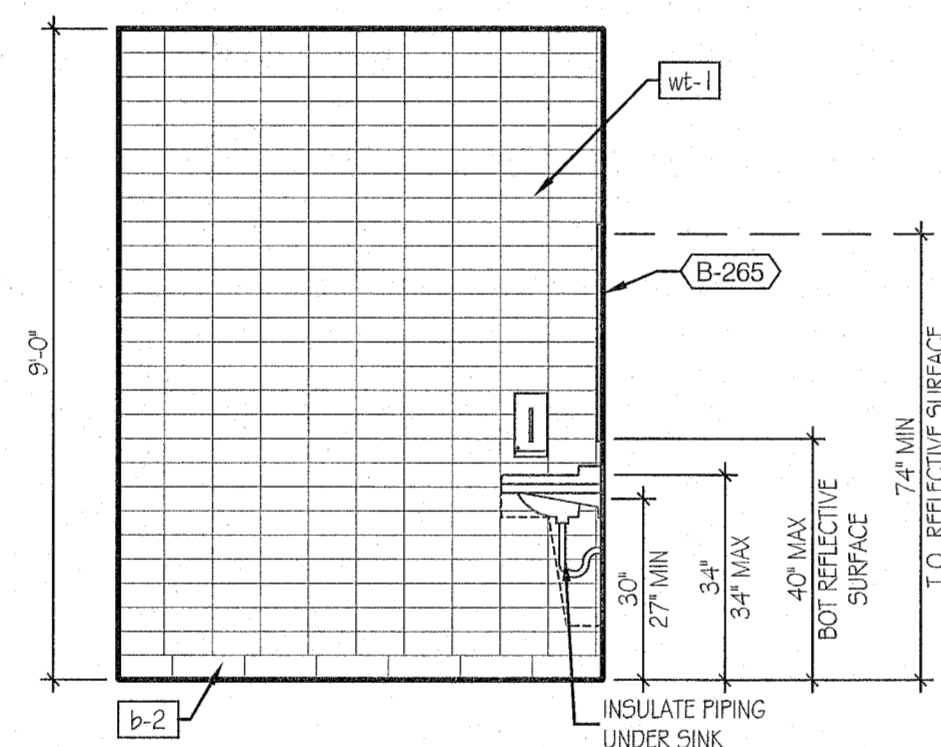
1 ENLARGED RESTROOM PLAN
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES

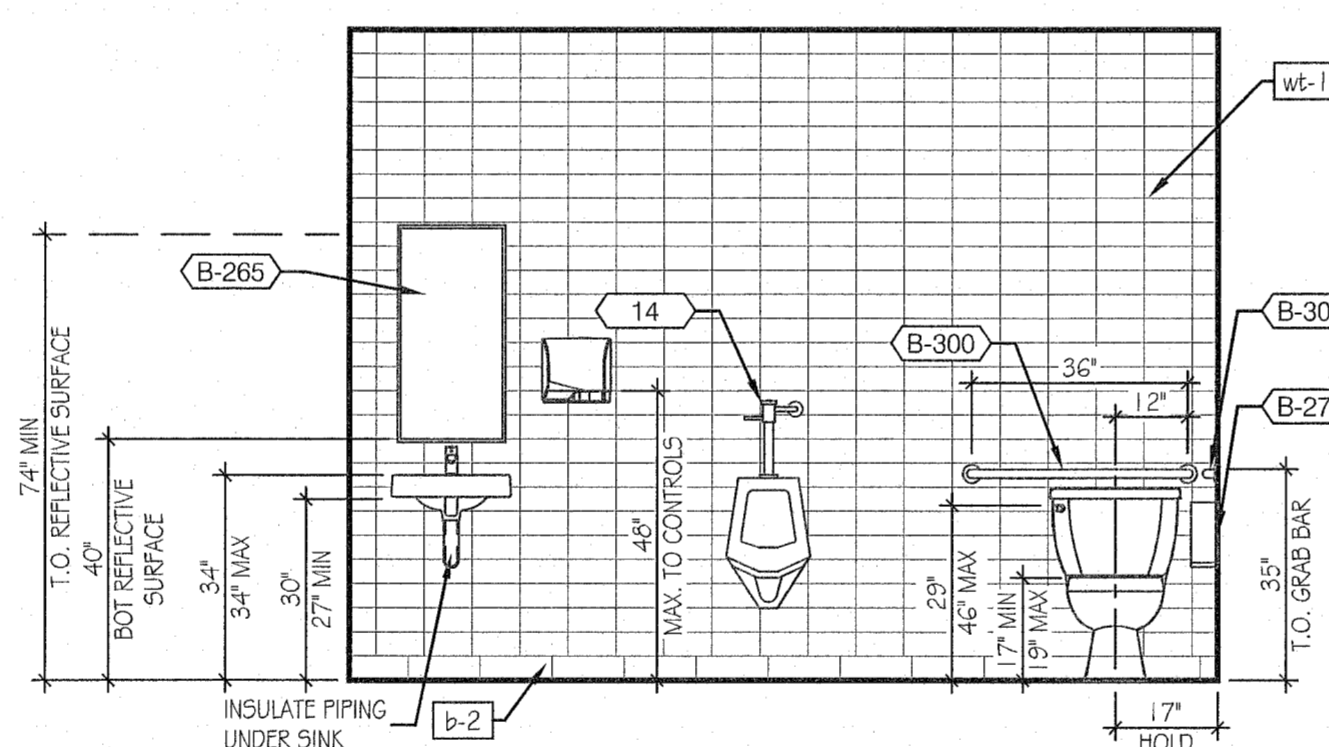
EQUIPMENT		
B-241	SOAP/SANITIZER DISPENSER (WALL MOUNT)	BOBRICK B-2013 AUTOMATIC FOAM
B-265	MIRROR	BURKE DECOR; BLACK; ITEM #8020539
B-275	TOILET PAPER DISPENSER	BOBRICK B268 SURFACE MOUNT
HD	AUTOMATIC HAND DRYER	WORLD DRYER "SLIMDRY" L-974A
B-300	GRAB BAR 1-1/2" DIA X 36" S.S. FIN.	BOBRICK #B6806X36
B-305	GRAB BAR 1-1/2" DIA X 42" S.S. FIN.	BOBRICK #B6806X42
B-410	SANITARY NAPKIN DISPOSAL	BOBRICK B270 SURFACE MOUNT
CH	COAT HOOK	BOBRICK B-6827
DCS	DIAPER CHANGING STATION	KOALA KARE #KB200 HORIZONTAL WALL MOUNTED
UR	URINAL	SEE PLUMBING

GRAB BARS NOTE - 250 LBF. MINIMUM. PROVIDE THE REQUIRED QUANTITY AND LENGTH AS INDICATED ON THE DRAWINGS OR REQUIRED BY THE GOVERNING CODE. THE BAR SHALL BE 1-1/2" IN DIAMETER AND MOUNTED WITH 1-1/2" CLEARANCE FROM THE WALL.

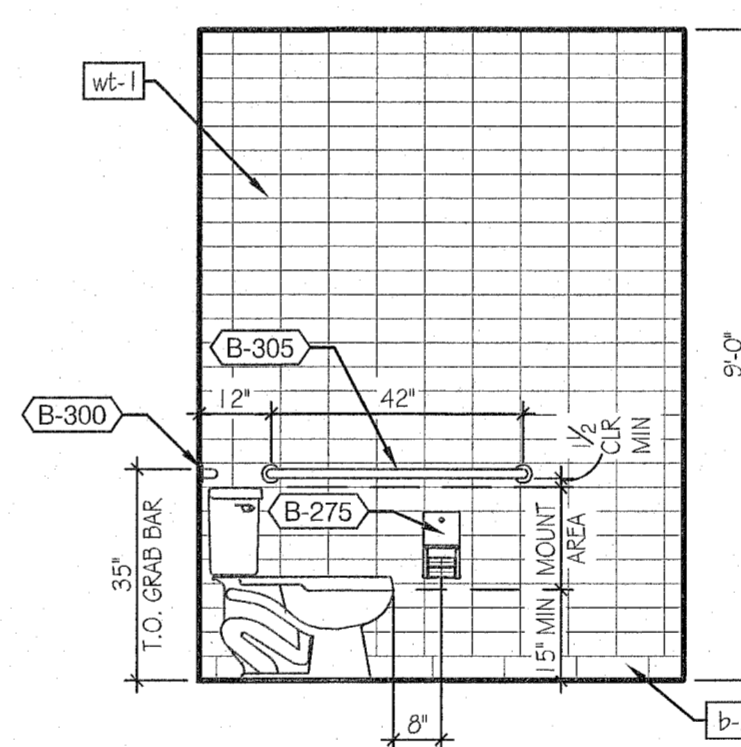
- A. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
- B. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO COVER SHEET 0.1
- C. REFER TO FLOOR PLAN NOTES FOR BLOCKING AND SUBSTRATE NOTES.
- D. REFER TO ADA REQUIREMENTS ON COVER SHEET 0.1 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
- E. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE U.O.N.



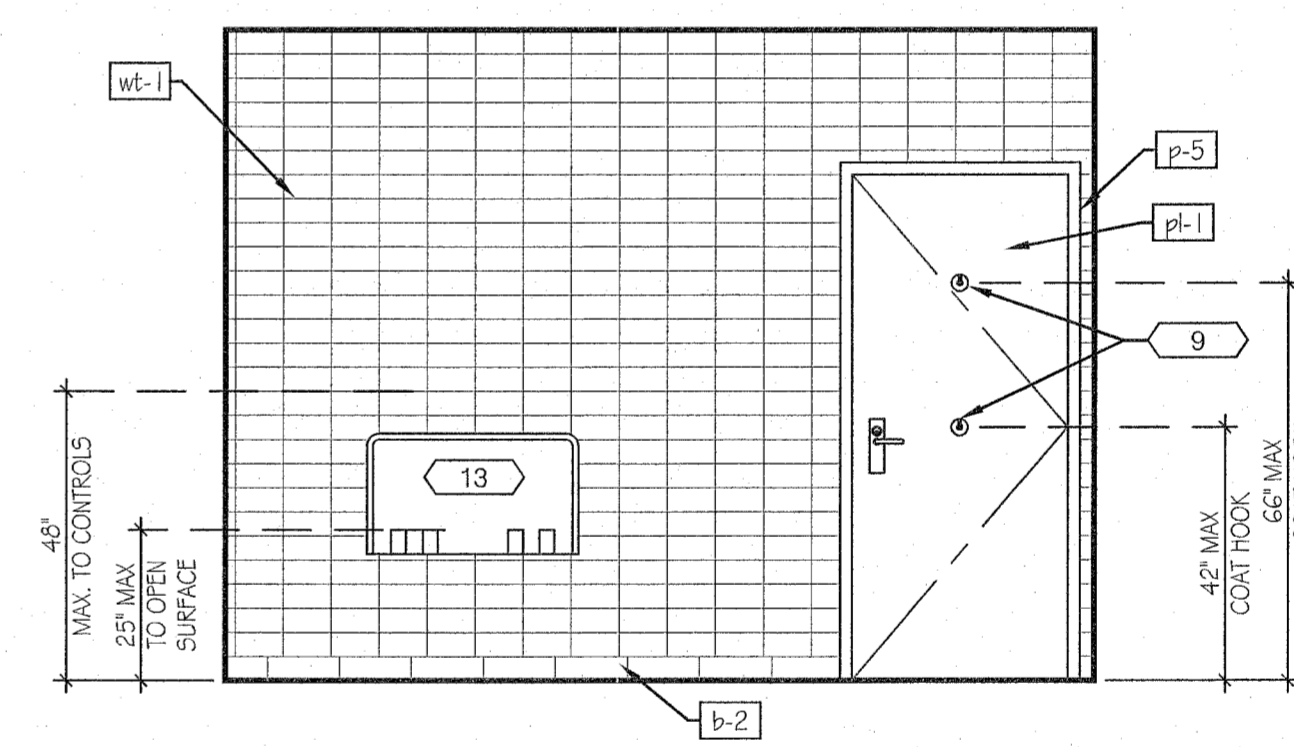
2 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



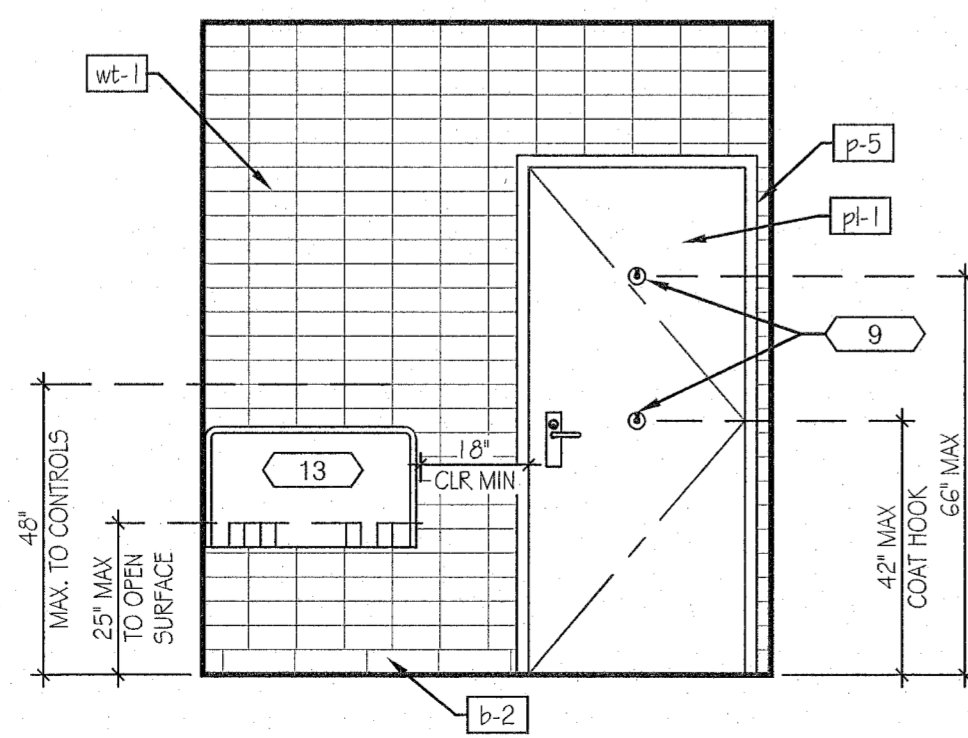
3 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



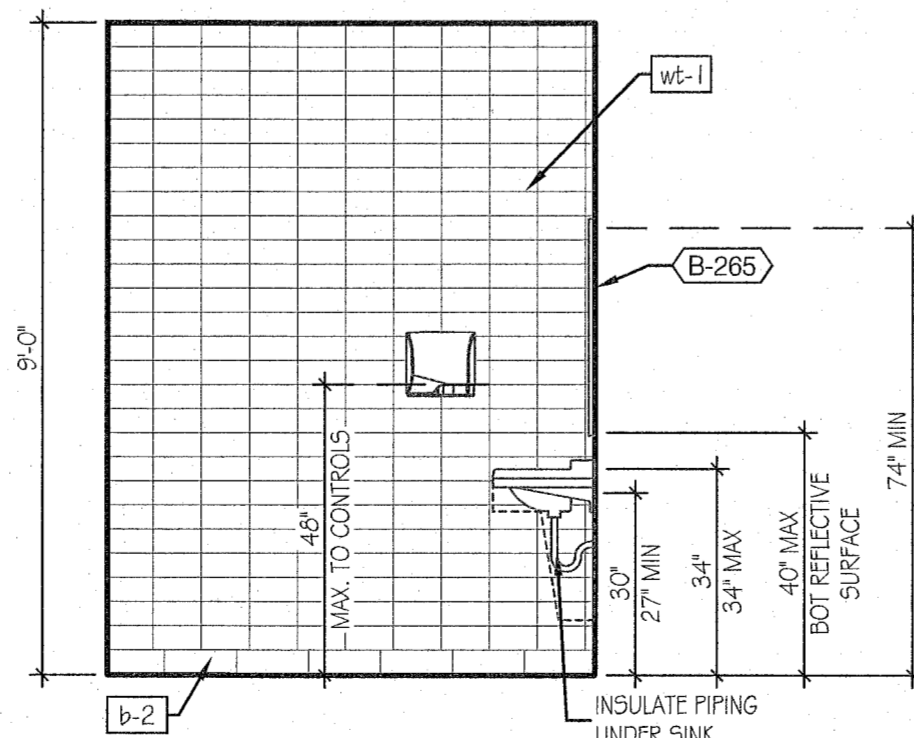
4 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



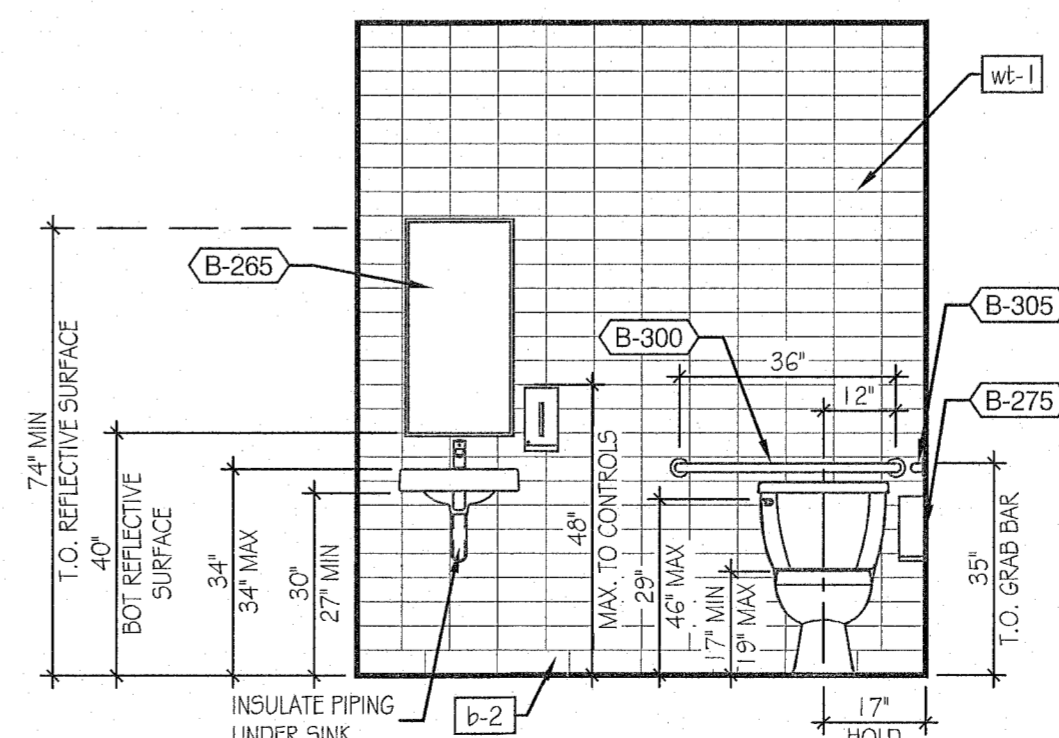
5 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



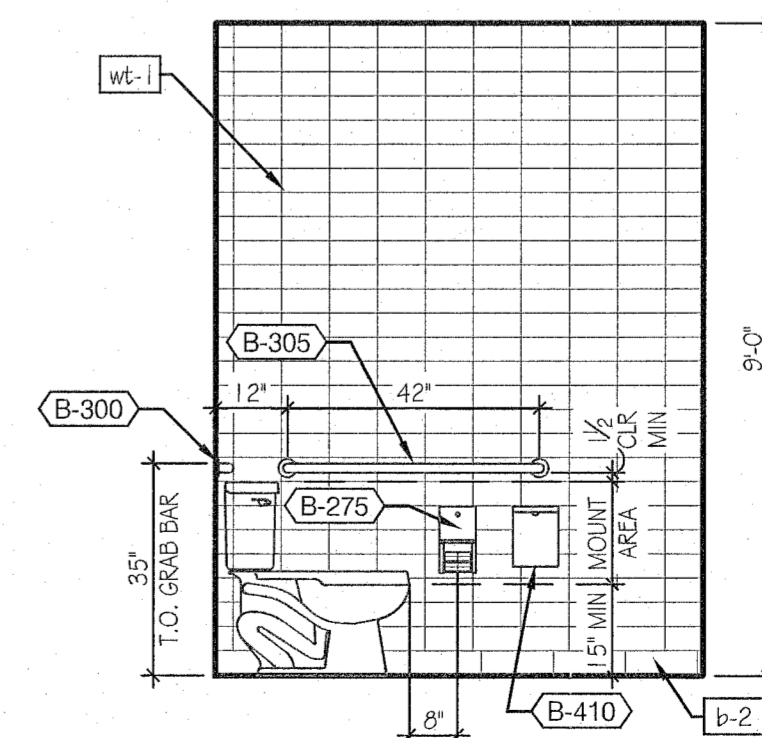
6 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"



7 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"



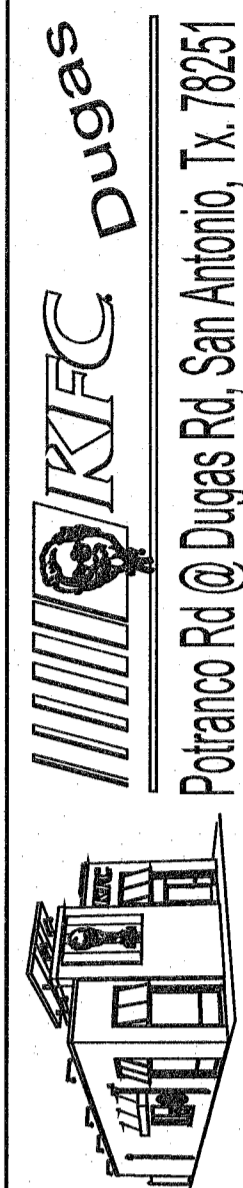
8 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"



9 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"

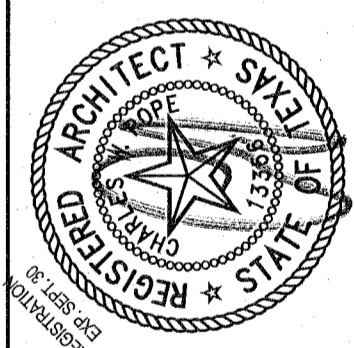
REVISIONS:

INTERIOR ELEVATIONS & TOILET PLAN



Potranc Rd @ Dugas Rd, San Antonio, Tx. 78251

MAY 18 2022



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7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

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3.4

OF

KFD-03_4 Interior Elev. Aug
3/8" = 1'-0"
24

WATERPROOFING:

- A. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
- B. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS.

- C. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:

- A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
- B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.

ROOF INSULATION:

- A. SEE SPECIFICATIONS ON SHEET 4.0

ROOFING SYSTEM:

- A. SEE SPECIFICATIONS SHEET 4.0
- B. G.C. SHALL COORDINATE ALL INSTALLATION REQUIREMENTS.

ROOF CRICKETS:

- A. CRICKETS @ ROOFTOP EQUIPMENT SHALL BE FORMED WITH TAPERED INSULATION TO SUCH AN EXTENT AS TO PROVIDE A POSITIVE MIN. 1/2" SLOPE TO THE VALLEY.

- 1 HVAC UNIT. INSTALL PLUMB AND LEVEL.

- 2 KITCHEN HOOD EXHAUST FAN. SEE SHEETS MECHANICAL. REFER TO DETAIL 3/4.5.

- 3 RESTROOM EXHAUST FAN VENT PIPE. SEE MECHANICAL. COORDINATE LOCATION WITH RTU-2 AIR INTAKE. SEE KEYNOTE 23, THIS SHEET.

- 4 NOT USED

- 5 ROOF WALK MATS. SEE ROOF SPECS ON SHEET 4.0

- 6 ICE MACHINE CONDENSERS.

- 7 WALK-IN COOLER / FREEZER CONDENSERS. SEE SCOPE OF WORK SHEET.

- 8 OUTSIDE AIR INTAKE FOR HVAC UNIT. MAINTAIN MIN. 10'-0" SEPARATION FROM PLUMBING VENTS, FLUES AND BUILDING EXHAUST.

- 9 PARAPET CAP. SEE DETAIL 1.2,3 /4.3 & 14/4.5

- 10 PREFERRED LOCATION FOR SATELLITE DISH SLED. SEE SCOPE OF WORK.

- 11 COLLECTOR HEAD AND DOWNSPOUT.

- 12 ROOF CRICKET; MINIMUM SLOPE = 1/2" PER FT.

- 13 NOT USED

- 14 SCUPPERS. SEE DETAIL 3/4.5. TOP OF OVERFLOW SCUPPER TO BE SET 2" ABOVE TOP OF ROOF DRAIN

- 15 WASTE VENT UP THRU ROOF; SEE DETAIL 10/4.5. COORDINATE LOCATION WITH KEYNOTE 23, THIS SHEET.

- 16 NOT USED.

- 17 PIPE HOOD FOR SATELLITE DISH and/or REFRIGERANT LINES. COORDINATE LOCATION. SEE DETAIL 5/4.5.

- 18 WATER HEATER EXHAUST, SEE PLUMBING. COORDINATE LOCATION WITH RTU-2 AIR INTAKE; SEE KEYNOTE 23, THIS SHEET.

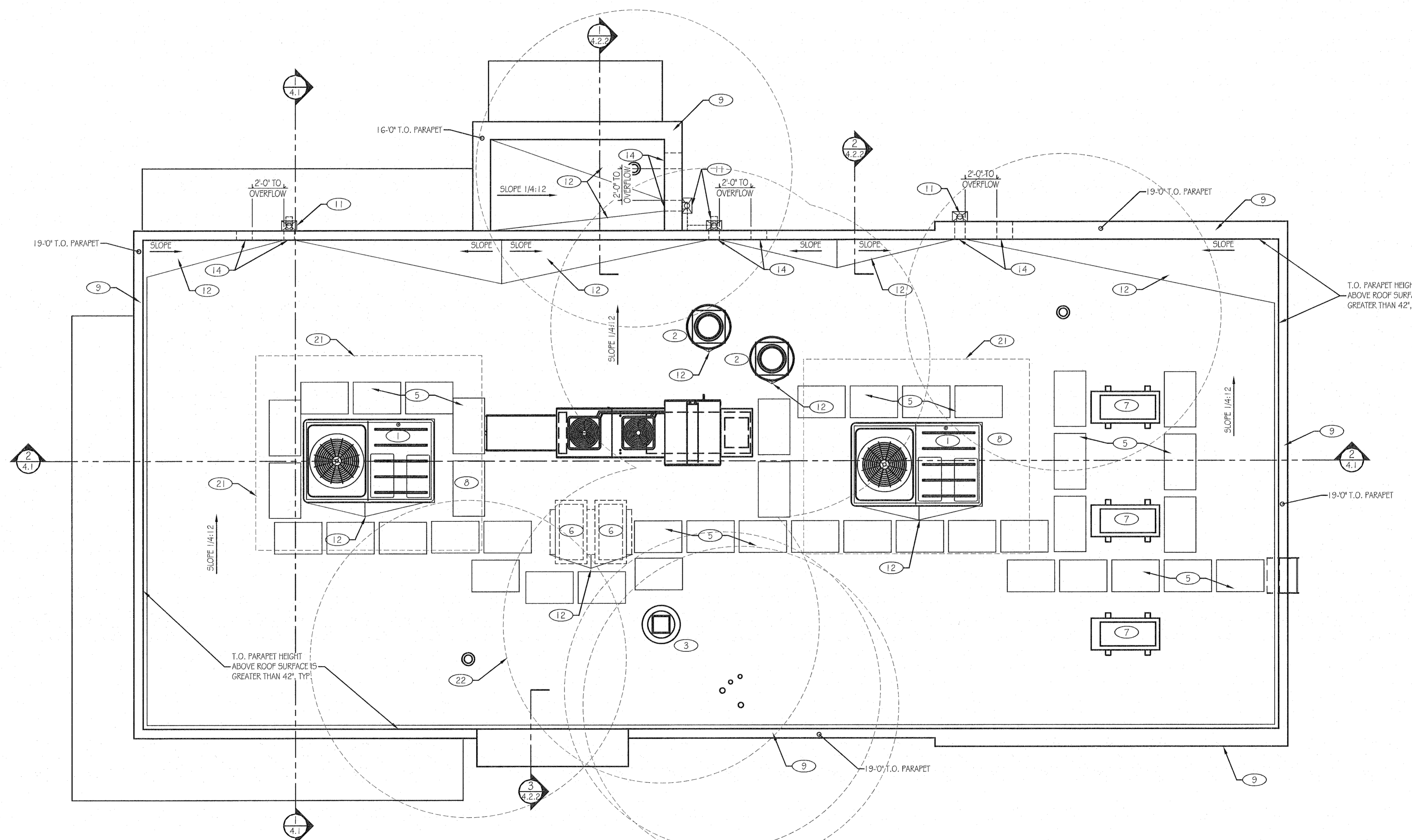
- 19 NOT USED

- 20 WATER HEATER INTAKE; SEE PLUMBING.

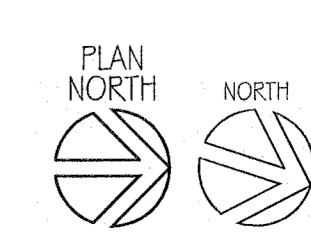
- 21 CLEAR ROOF WORK AREA AROUND RTU.

- 22 CLEAR ROOF AREA AROUND RTU AIR INTAKE. NO BUILDING / EQUIPMENT EXHAUST PERMITTED WITHIN THIS AREA.

*REFER TO MEP DRAWINGS FOR ROOFTOP EQUIPMENT, VENT PIPES, ETC.



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



REVISIONS:

ROOF PLAN

KFC Dugas

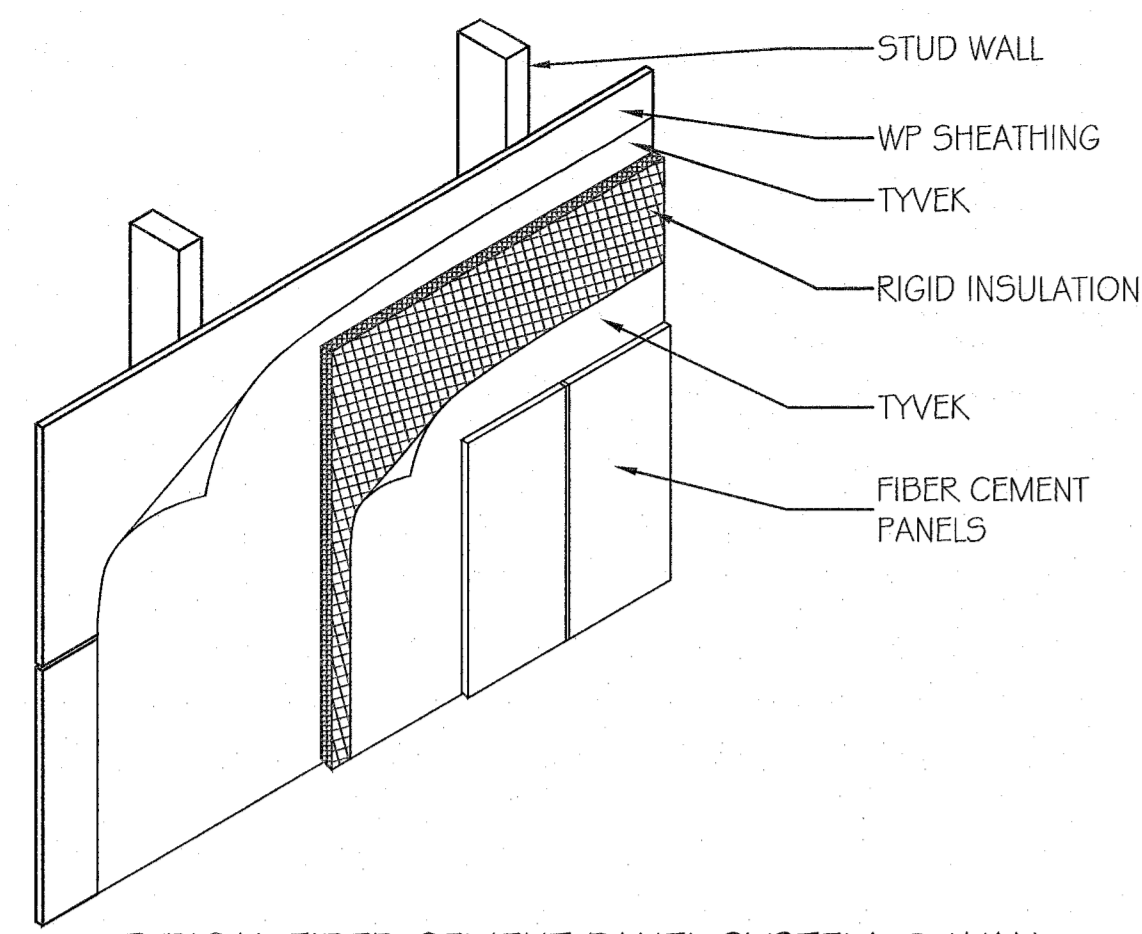
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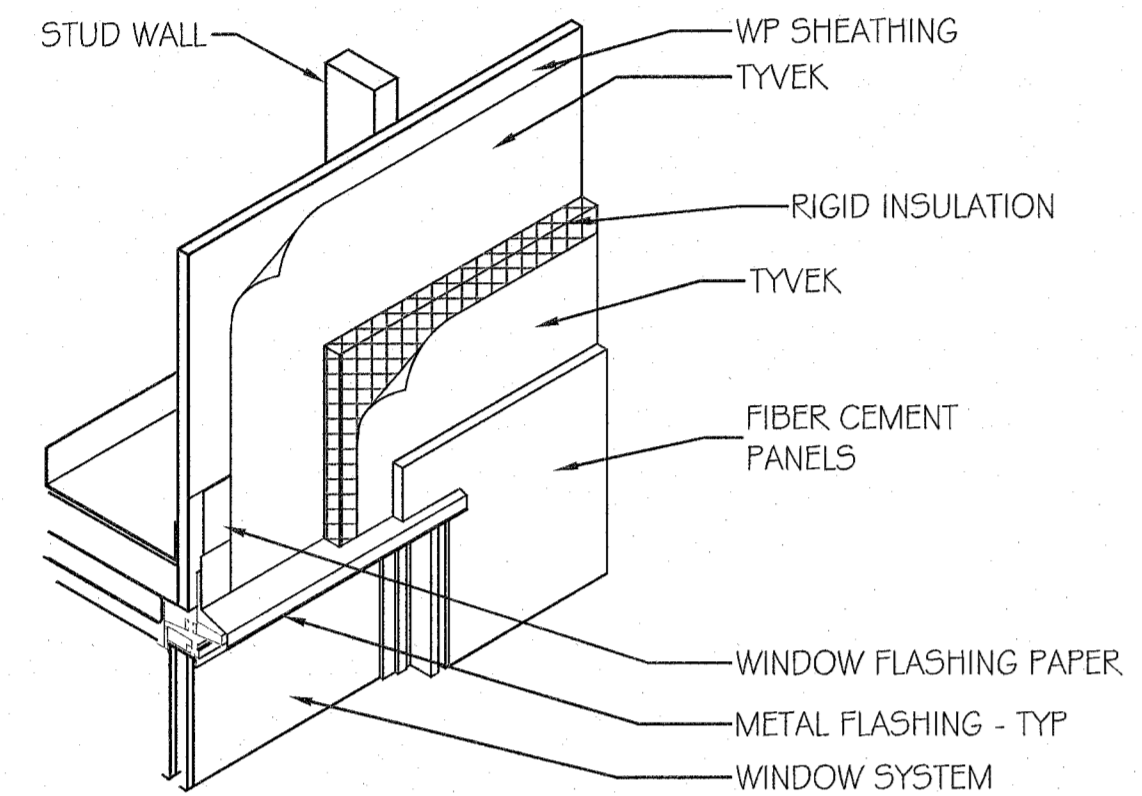
REGISTERED ARCHITECT & SURVEYOR
STATE OF TEXAS

Charles William Pope & Associates
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7488 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

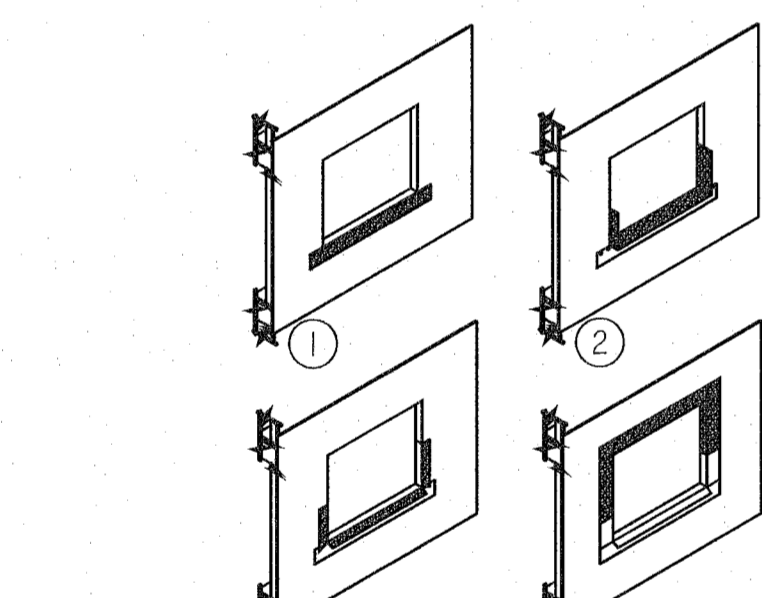
DATE: 05.18.22
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SHEET NUMBER:
3.5
OF



1 TYPICAL FIBER CEMENT PANEL SYSTEM @ WALL
SCALE: 1" = 1'-0"



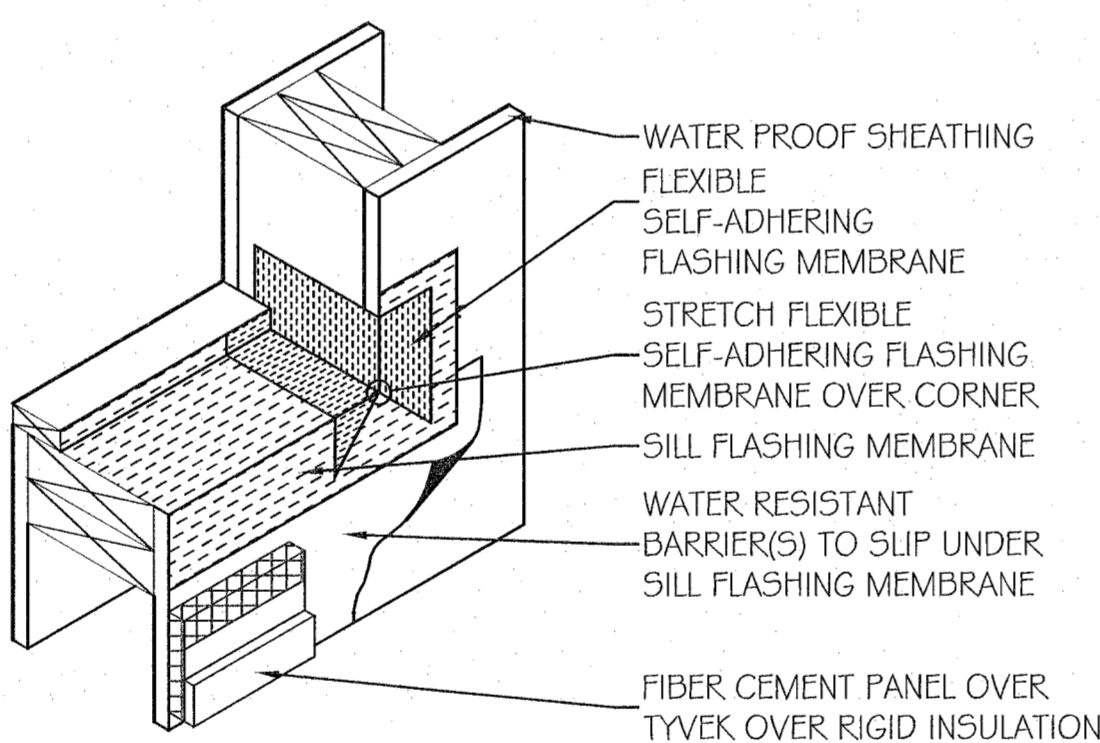
6 FLASHING / CONTROL JOINT AT WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



NOTES:
FLASH THE WINDOW OPENING BY INSTALLING MOISTURE BARRIER MEMBRANE AS SHOWN ABOVE BY WRAPPING THE ROUGH INSIDE SURFACE OPENING.

A NAIL ON WINDOW WOULD BE INSTALLED OVER THE FLASHING SYSTEM, AND THEN THE STUCCO WATER RESISTANT BARRIER WOULD BE INSTALLED PER DETAIL FWB3.

OPTION: INSTALL A SILL PAN WITH UPURNS.
11 FLASHING WRAPPING ROUGH INSIDE OPENING APP.
SCALE: 1" = 1'-0" ALTERNATE METHOD FOR FLASHING ROUGH OPENING AREAS



NOTE:
DETAIL INTENDED FOR NAIL-FLANGE TYPE WINDOWS. CONTINUE TO FOLLOW STEP 2-4 BEGINNING ON FWB1. DO NOT APPLY SEALANT TO BACK SIDE OF WINDOW BOTTOM NAILING FIN.

12 FIELD INSTALLED SILL PAN FLASHING
SCALE: 1 1/2" = 1'-0"

Stucco Notes:

Stucco:
Type I White Portland cement 3 coat system.
Base coat: 3/8" 1st (scratch) coat with 1/2" reinforcing fibers added (equal to Nycon Control 2000) and allow to cure min 48 hrs. 3/8" 2nd (brown) coat, allow to cure min 7 days. Total base coat thickness 3/4" min. Allow to cure per mfg. requirements prior to Finish Coats.
Finish coat to be Acrylic Textured Coating (equal to TEIFS textured coatings, follow mfg recommendations for primer & application) - min 1/8" textured stucco. Texture to be equal to TEIFS Cuarzo. Color as selected.

Stucco installation to conform to ASTM C 1063-08 Standard Specification for Installation of Cement-Based Plaster.

Lath:
2.5 lb galvanized diamond mesh self-furring lath w/ offset Grade D asphalt saturated paper back equal to Amico Tlalath. Attach to studs w/ corrosion-resistant pancake head screws, max 6" o.c. with a min of 1" penetration into the stud.
Install Lath in accordance with ASTM Standard and Local Requirements.
Control Joints & Trim:
NOTE:
Water resistant barrier must continue unbroken behind trim accessory joints.
Spacing per elevations, max. 18" apart, 180 sq. ft. panels. Trim thickness to match finish stucco system thickness from surface to sheathing.
Provide AMICO or equal quality lath accessories. X-2 corner bead; X-66 galvanized casing bead; #40 expansion joints; galvanized inside corner expansion control joint, CJ control joints. Foundation Weep Screed #7 3/12" flange.
Control (expansion and contraction) joints shall be installed in walls to delineate areas not more than 144 sq. ft. and to delineate areas not more than 100 sq. ft. for all horizontal applications, that is, ceilings, curves, or angles type structures. Maximum 20'-0" panel length and panel size shall not exceed a 3-to-1 ratio. Trim thickness is to match finish stucco system thickness from surface to sheathing. Install lath-type, external-corner reinforcement at exterior locations. Corner beads shall be installed to protect all external vertical and horizontal corners and to establish grounds at exposed stucco veneer, omit behind veneer stone.
Foundation Weep Screed shall be installed at the bottom of all steel or wood framed exterior walls to receive lath and plaster. Place the bottom edge of the screed not less than 1" below joint formed by the foundation and framing. Nose of screed not less than 4" above raw earth or 5" above paved surfaces. The weather resistive barrier and lath shall entirely cover the vertical attachment flange and terminate at the top edge of the nose or ground flange.

Mock Up:
G.C. to fabrication of 4'-0"x4'-0" test panels for application of ALL Stucco Finishes, Colors & Profiles. Panel shall be made available for review & approval by Architect and Owner prior to application to building. Failure to secure such approval may require corrective action by G.C. at his own expense.

General Wall Notes for Stucco and Masonry:

Vapor Barrier:
Provide DuPont Tyvek Commercial Wrap D, lap joints min. 6" & tape joints w/ Tyvek Contractor Tape. Install over Sheathing - Fasten / Install to studs per manufacturers instructions.

Use DuPont Wrap Caps & Fasteners or approved equal.

Seal all joints and penetrations with approved tape equal to DuPont Contractor Tape.
Seal around openings with flexible tape flashing equal to DuPont StraightFlash or DuPont FlexWrap.
Seal or gasket masonry ties at face of Tyvek
Flashing:
NOTE:
Door and Window Flashing: Install Flashing at ALL Sills and Heads, whether or not shown on drawings. Install 1/2" inward from outside face of wall and extend 6" on each side of opening, up and through wall. Dam ends of flashing to prevent water penetration at ends.

Select flashing that is waterproof, durable, UV resistant and compatible with adjacent materials.
Flashing materials should conform to applicable ASTM specifications. Acceptable materials 40 mil membrane flashing equal to Grace Perm-A-Barrier, 16 oz copper or 22 GA stainless steel.
Do not use aluminum, sheet lead, polyethylene sheeting or asphalt-saturated felt, building paper or house wraps for flashing.
Use a metal drip edge to extend flashing's that degrade when exposed to UV light Do not stop flashing behind the face of the masonry or stucco work.
For Masonry, place flashing at all points where air space is interrupted.

NOTE:
For Masonry: Install through wall flashing at ALL shelf angles, etc. where air space is interrupted.
Dam ends of flashing to prevent water penetration at ends.

Extend flashing vertically up the backing to 6 in. [203 mm] minimum height.
Lap flashing to 4 in. [102 mm] minimum height under water-resistant barrier or behind sheathing above grade.
Install base flashing minimum 6 in. [152 mm] above grade.
Turn up flashing ends to head joint a minimum of 1 in. [25.4 mm] to form end dam.
Provide galvanized, copper or stainless steel drip flashing at the edge of all masonry walls. Min 1/2" [64 mm] deep with a 30" hemmed edge projecting past the edge of the slab. Lap flashing min 2" [51 mm] on top of drip flashing.

NOTE:
Extend flashing vertically up the backing to 6 in. [203 mm] minimum height.
Lap flashing to 4 in. [102 mm] minimum height under water-resistant barrier or behind sheathing above grade.
Install base flashing minimum 6 in. [152 mm] above grade.
Turn up flashing ends to head joint a minimum of 1 in. [25.4 mm] to form end dam.
Provide galvanized, copper or stainless steel drip flashing at the edge of all masonry walls. Min 1/2" [64 mm] deep with a 30" hemmed edge projecting past the edge of the slab. Lap flashing min 2" [51 mm] on top of drip flashing.

Sheathing: (Exterior Waterproof)
Exterior grade OSB or Glass Fiber Mat-Faced Sheathing (equal to Dens-glass Soly) minimum 1/2 in. [12.7 mm] thick or as shown on Plans.
Exterior grade plywood (if required by Structural Engineer) Thickness as required by Structural Specs. 1/8" gap between plyw/OSB panels, do not butt.

NOTE:
Caulk ALL Joints w/ 795 Dow Corning (or Equal)

Insulation Notes:

Exterior Perimeter Walls, 6" nominal R-20 Unfaced Batt Insulation Full Height.
Continuous: 1" Dow Thermax CI (Min. R-6.5), verify with IECC requirements on Table C402.1.3 for specific Climate Zone. Fasten based on MFG recommendations.
Interior Walls
3/2" Unfaced Batt insulation full height of wall at all restrooms, offices, equipment room walls.
Rigid Insulation on deck
Ref. Roof Notes - This Sheet for specific information and R-Value Requirements

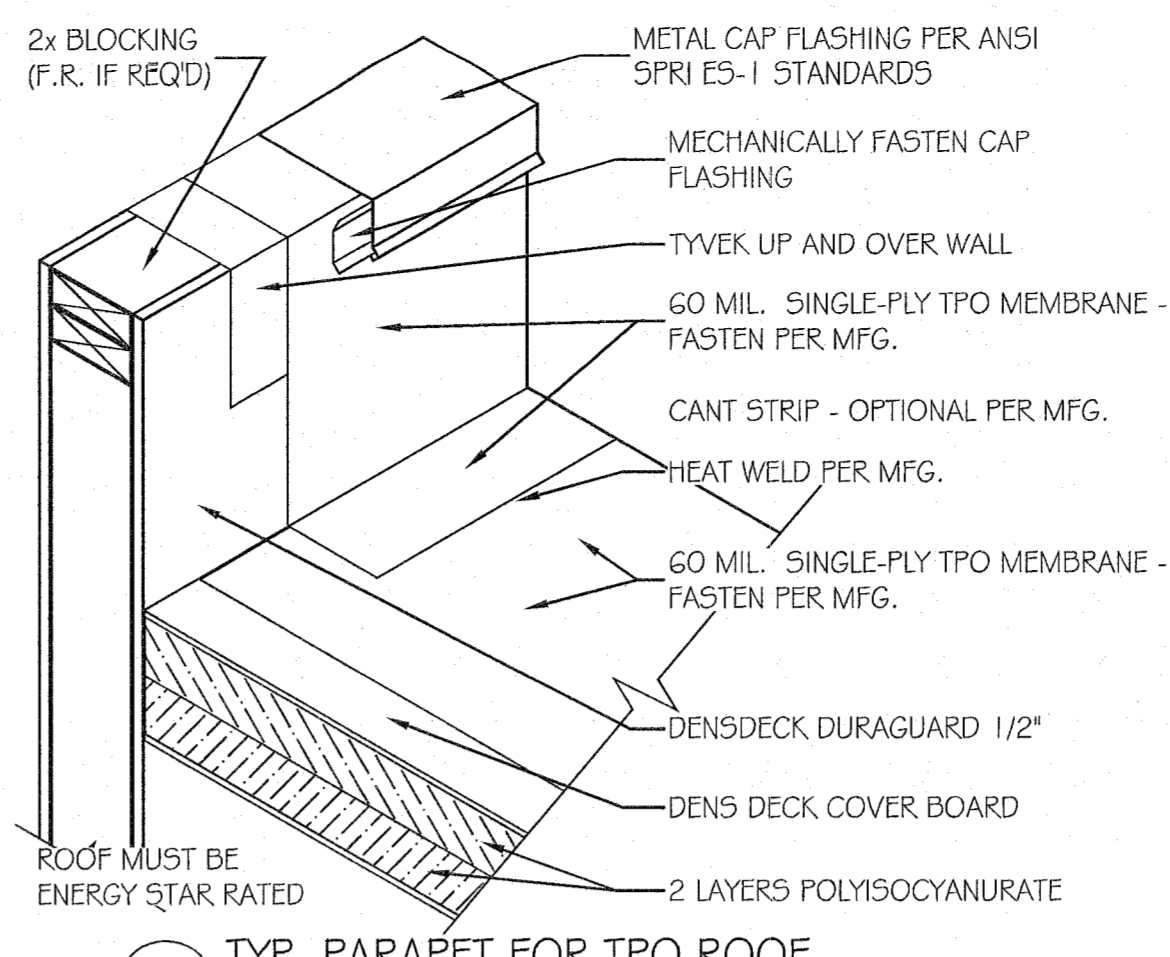
(A Copy of the Envelope Compliance Form is available upon request.)
(Air Barrier requirements are met through List of Materials Design Method.)
(NO THERMAL ENVELOPE PRESSURE TESTING IS REQUIRED.)

Stud Wall:

NOTE:
See Structural Drawings for specific stud wall information.

Spacing: Studs to be placed at 16" o.c. minimum. (More specific information may be required per Structural Drawings.)

NOTE:
For Exterior Walls the Deflection Design Criteria:
Comply with the latest edition of the International Building Code, but in NO case shall design wind load be less than 20 pounds per square foot.
Deflections shall NOT exceed L/360, with NO allowances for contribution of sheathing materials.

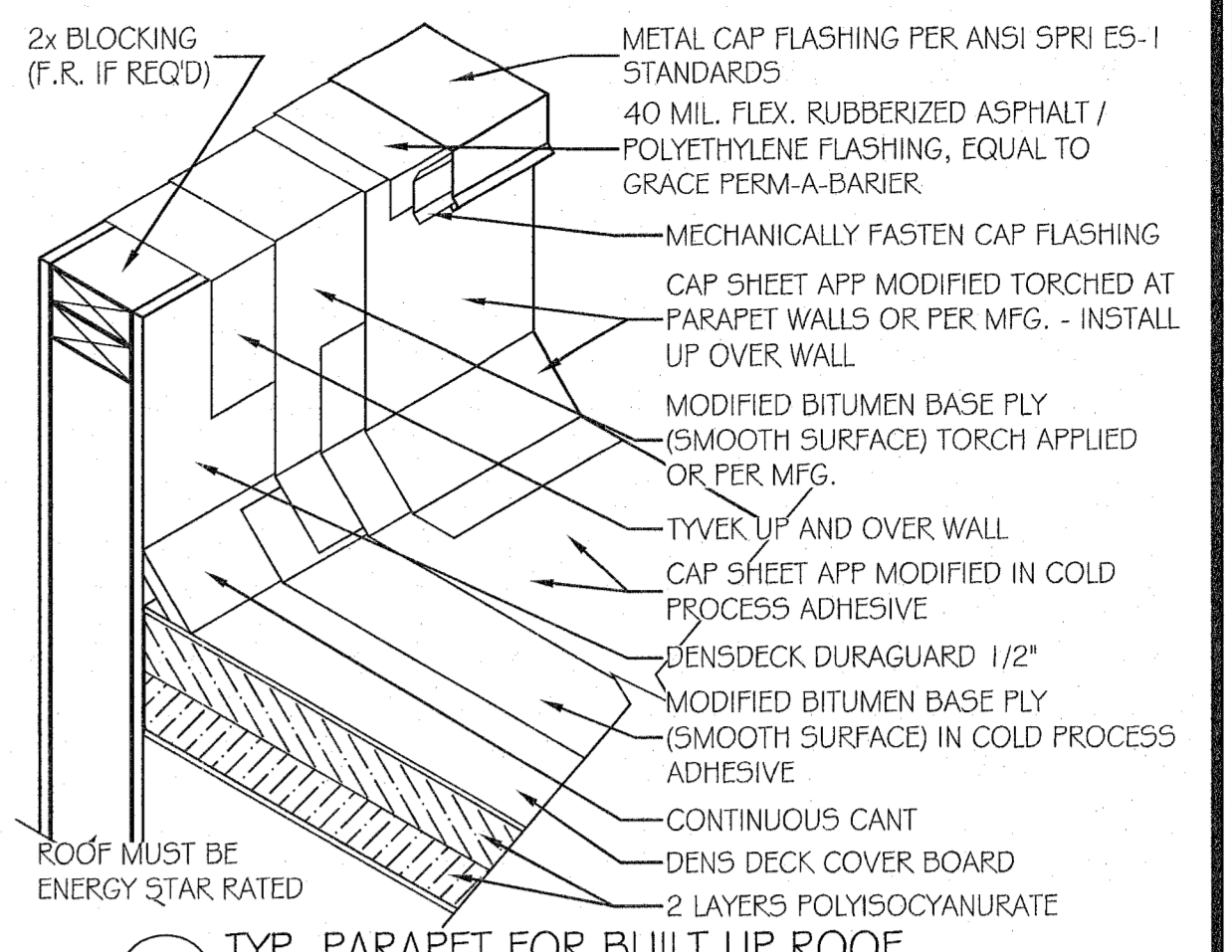


4 TYP. PARAPET FOR TPO ROOF
SCALE: 1-1/2" = 1'-0"
PROVIDE 20 YEAR NDL ROOF

Roof Notes:

Work Roof Deck to provide positive drainage to roof drains.
Single-Ply Roof System (Base Bid):
Mechanically attached 60 mil single-ply TPO Membrane Roofing system over Dens-Deck over Polysocyanurate Insulation.
Energy Star: Provide White Color to meet minimum 3rd Year SRI Rating of 64 or better.
Warranty: Provide 20 Year NDL Warranty
Built-up Roof System (Alternate Bid):
Two Ply Modified Bitumen Roof System:
Base Sheet: Modified Base (smooth) attached to Dens Deck with Cold Process.
Cap Sheet: APP Modified, installed with Cold Process Adhesives.
Energy Star: Cap Sheet to be white granules to meet minimum 3rd Year SRI Rating of 64 or better.
Warranty: Provide 20 Year NDL Warranty
Roof Deck Insulation:
Provide 2 layers Polysocyanurate, mechanically attached using approved fasteners according to manufacturer's & building code fastening frequency. Place insulation panels so that joints are staggered, max panel size 4'x8'.
Provide minimum 1-90 Flashing Pattern or per Local Wind Uplift Requirements.
R-Value:
Above deck insulation & Cover Board to achieve min. Long-Term Thermal Resistance: (LTTR) of R-28.
Cover board:
Provide Cover Board equal to 1/4" GP DensDeck Prime Roof board (r-0.28). Max panel size 4'x8'. Stagger joints between insulation & cover board.
GC to Provide 5/8" DensDeck Cover Board full height at back of parapets.
Tapered Insulation:
Provide tapered Insulation where required to direct water to roof gutters and away from low areas. Crickets are to be a minimum of 1/2" per foot slope. Crickets at parapets, equipment, drains and as necessary to prevent ponding and to ensure positive water drainage.
Walktread:
Furnish and install new 3 ft. wide (min) walk pads. Use Manufacturers approved walk pads. Install per Manufacturers requirements.
Provide traffic path from roof access point to each piece of HVAC, Refrigeration and Exhaust Ventilation Equipment that will require cyclical service.

Flashing:
24 GA pre-finished preformed metal flashing as required by roofing manufacturer and to provide water tight construction. Provide penetration flashing to meet mfg. requirements and to maintain Roof Warranty & Assembly. Fasten and caulk flashing, curbs penetrations per manufacturer's recommendations.
At parapets return cover board and roofing up over prefabricated cant up back of parapet over top plate of wall prior to installing parapet cap flashing. At tall parapets (over 60' tall) the contractor has the option to provide continuous counter flashing with continuous metal termination bar per manufacturer's recommended details. Provide finish as detailed, alternate to provide 24 ga galvanized metal sliding over cover board on water proof sheathing and 1 layer of self adhered vapor / moisture barrier. Flash and caulk to provide a watertight condition.
Cap Flashing:
Provide Pre-finished, Prefabricated 24 GA Metal Cap over Prefabricated Base.
Alternate: Provide Galvalume, Prefabricated 24 GA Metal Cap over Prefabricated Base - Paint with epoxy enamel, color as selected.
Pitch Pans:
Fill Pitch Pans and provide Pelican Hoods - typical at all pitch pans.
General Roofing Notes:
1. Provide 20 year NDL Warranty and Class "A" Fire Rated Roofing Assembly. The roof system guarantee shall include the rigid insulation, insulation fasteners/plates, insulation adhesive and roof membrane/flashing system. The guarantee shall be a term type, without deductibles or limitations on coverage amount, and shall be issued at no additional cost to the Owner.
2. Roof systems specified shall be applied only by manufacturer approved applicator in order to meet guarantee requirements. Contractor to install the membrane system per all local, state and federal codes and regulations.
3. Refer to structural and MEP drawings for additional information. Coordinate location of mechanical units with structural and mechanical drawings.
4. Roofing subcontractor to coordinate location of HVAC units and roof top accessories with structural, mechanical and electrical drawings for placement of crickets and tapered rigid board insulation lay-out and subsequent installation in order to avoid ponding water conditions attributable to board lay-out issues.
5. HVAC condensate lines to terminate at roof drain or as required by code.
6. All curbs and pipe penetrations shall have a minimum of 16" clear from each other for roof flashing purposes. All equipment shall have a minimum 16" clear from all adjacent parapets. All HVAC mounted equipment (disconnect boxes, GFI, pipe supports shall not be closer to 16" from each other or curb. No Unistrut pipe supports shall be used as vertical members for mounting equipment to roof surface.
7. Provide standard preformed roof jacks at all structural & pipe penetrations, per MEP and roof manufacturer. All sealants shall be warranted a minimum of 20 years.
8. All flashing cements, caulking, fasteners, products and accessories shall be approved by roofing manufacturer with the manufacturer's brand.
9. The roof structure shall not be used for stockpiling of equipment or materials unless approved by the architect, structural engineer and the joint manufacturer.
10. The roofing system shall be as per drawings and per manufacturers specifications.
11. Coordinate roof elevations with structural drawings. refer to manufacturers specification sheet for roof related items, including guarantees, curbs, flashing, and etc.



5 TYP. PARAPET FOR BUILT UP ROOF
SCALE: 1-1/2" = 1'-0"
PROVIDE 20 YEAR NDL ROOF

Storefront / Glazing/ Doors:

Energy Code Requirements:
Window System Notes:
Exterior Windows: Aluminum Window with 1" Insulated Glazing.
Exterior - 1/4" Solarban 90 Clear, Interior - 1/4" AFG Low-E (3rd Surface) or Equa Storefront: 2" x 4 1/2" Clear Aluminum Window System. Similar to Kawneer ENCORE Framing System or Oldcastle Series 3000 XT that meets or exceeds the performance characteristics listed below. Fenestration to be certified by an independent laboratory per NFRC 100 and labeled as such by the manufacturer.

Fenestration Notes:

Fenestration - Performance Characteristics:
Window (fixed): U-Factor: 0.50 Min
SHGC: 0.25 Min
Window (Operable): U-Factor: 0.65 Min
SHGC: 0.25 Min
Door (Glass): U-Factor: 0.83 Min
SHGC: 0.25 Min

Glass Notes:

1" Insulated Glass - Performance Characteristics:
U-Factor: 0.29 Min
SHGC: 0.25 Min

Provide samples of Solarban 90 (Clear, OpTgray & Solargray) or equal to Architect & Owner for selection. Base Bid: Clear, Alt Bid: Solargray & OpTgray.

Door Hollow Metal Notes:
Door: Standard Hollow Metal Door with Polystyrene, Honeycomb, Fiberglass Core or Equal.
Performance Characteristics:
U-Factor: 0.61 Min

(A Copy of the Envelope Compliance Form is available upon request.)
(Air Barrier requirements are met through List of Materials Design Method.)
(NO THERMAL ENVELOPE PRESSURE TESTING IS REQUIRED.)

Masonry Veneer Notes:

Air Space:
Two (2) inch air space recommended; One (1) minimum air space required per code.
Weeps & Drainage System:
Open head joint weeps spaced at no more than 24" o.c. or as recommended. Weeps to be spaced at no more than 24" o.c. and to have 2 1/2" tall x 4" deep x 1/2" polyester weep vent fill material equal to Sandell Mortar Net Weep Vent. Wick and Tube Weep spacing NOT recommended (if used space no greater than 16" o.c.).
Provide Mortar Netting material at base of wall AND at Shelf Angles in Air Space to protect weep vents from mortar droppings. (Sandell Mortar Net 1/2" to 1 3/8" wide x 10" high saw tooth design or equal).
Anchor:
Corrugated anchors NOT permitted.
Minimum w. 1/7 (8 gage, mv11) adjustable wire anchors, hot-dipped galvanized, two-piece per ASTM a 153 class B-2.
Minimum one anchor per 2 sq. ft. of wall area (or as required by local building and/or wind storm requirements).
Vertical Spacing: 16" o.c. [406 mm] (maximum 18" o.c. [457 mm] o.c.)
Horizontal Spacing: 24" o.c. [610 mm] (maximum 32" [813 mm] o.c.)
Securely attach anchors to studs through sheathing, not to the sheathing alone.
Wind: For High Wind and Seismic areas, anchor per local current code requirements.
Shelf Angles & Lintels:
Size horizontal leg of all shelf angles and lintels to provide a minimum bearing of 2/3 the thickness of the masonry with. See Structural for specific information.
Screws:
Minimum no. 10 self-tapping corrosion resistant screws with a minimum nominal shank diameter of 0.190 in. [4.8 mm].
Corrosion resistance provided by polymer coating, zinc plating or stainless steel.

Mortar:
Comply with ASTM C 270
Type N recommended; type S alternate.

Expansion Joints:
Provide Vertical and Horizontal Expansion Joints through masonry veneer.
Design and Construct Expansion Joints complying with recommendations of Brick Industry Association Technical Notes 18 and 18A.
Limestone Veneer:
Limestone Veneer from local Quarry to conform to ASTM C 568 Medium Density, Max. 7.5% Water Absorption, Min. Density 135 lbs / cu ft. and min. compressive strength 4,000 psi.
[Alternate Bid]
Provide ASTM C 568 High Density Limestone with a Max. 3% Water Absorption, Min. Density 160 Lbs / cu ft. and min. compressive strength 8,000 psi. (No Water Seal Required.)
Ashlar ledge stone pattern from single manufacturer. Units to be of a uniform texture and color. Finish to be determined from samples submitted to Architect.
Water Seal:
Provide penetrating water seal at ALL limestone veneer.
Provide two (2) coats (min) Chemprobe Technologies Prime-A-Pail N.S. (on Limestone Wall).

REVISIONS:

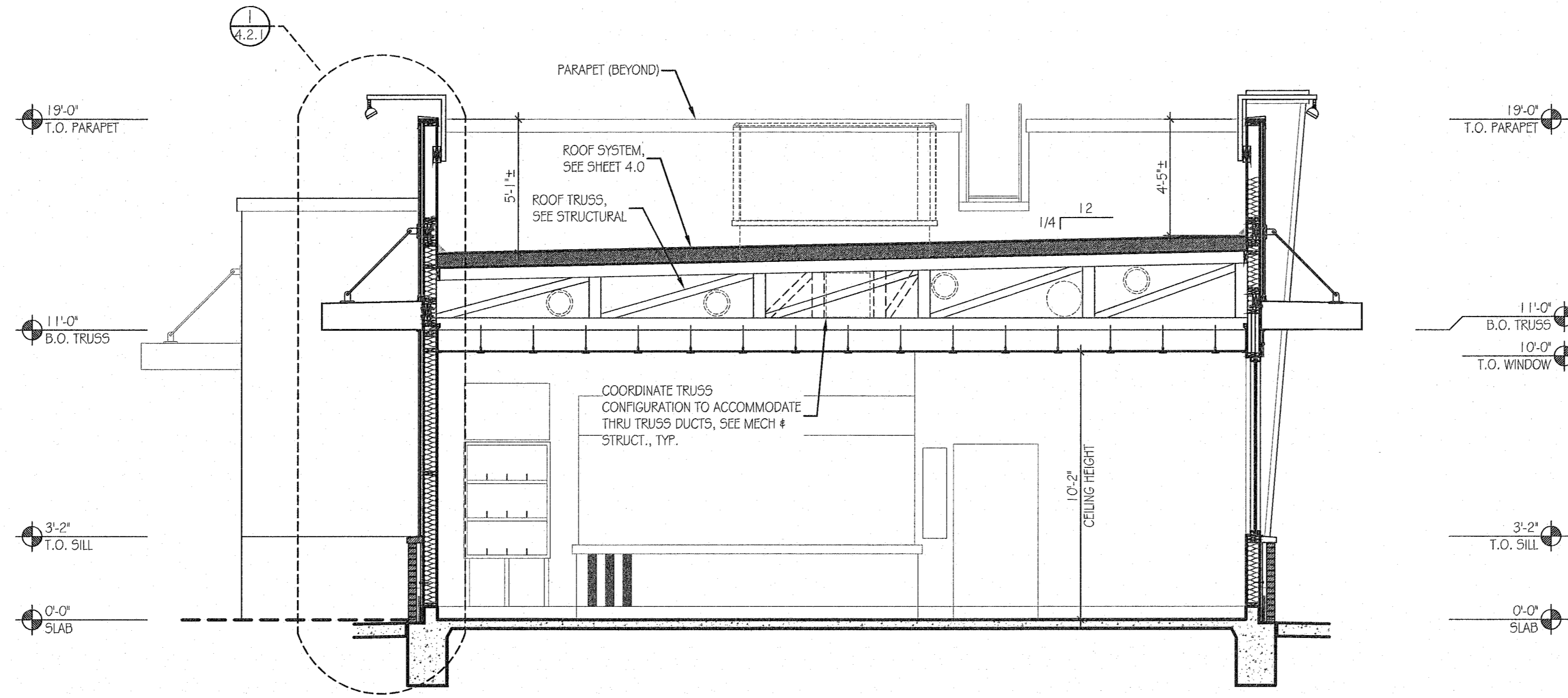
ARCHITECTURAL SPECIFICATIONS

MAY 18 2022

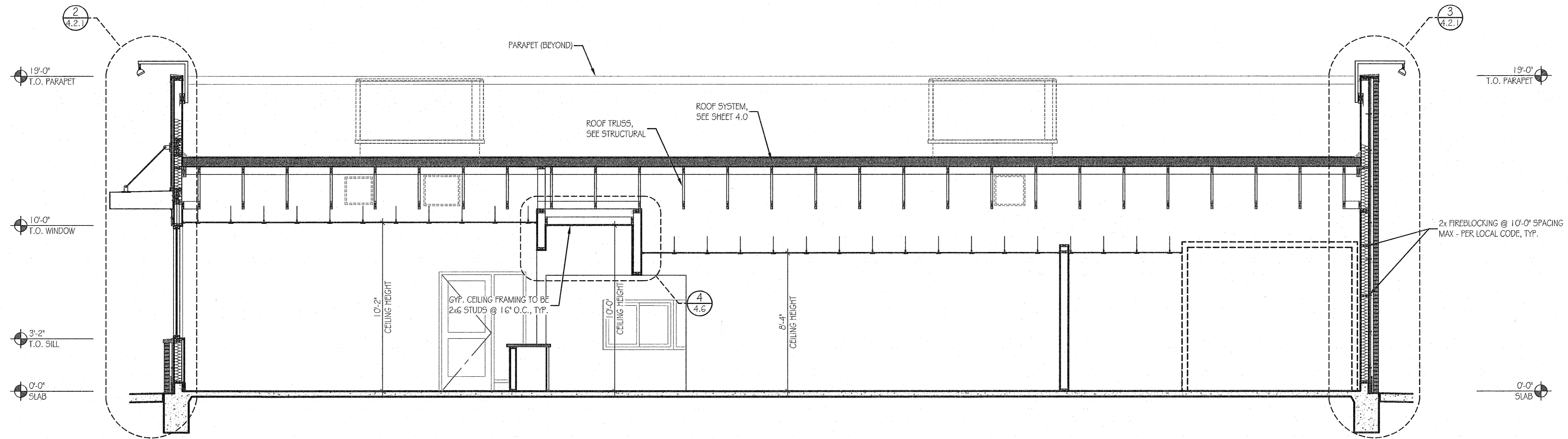
Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD, # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: J.R.B.
SHEET NUMBER: 4.0
OF

KFD-CAL D Specifications.dwg
1/2" = 1'-0"
FILE



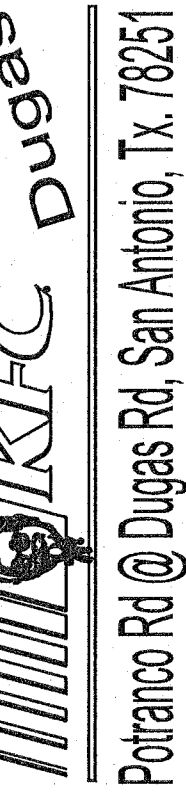
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2 BUILDING SECTION
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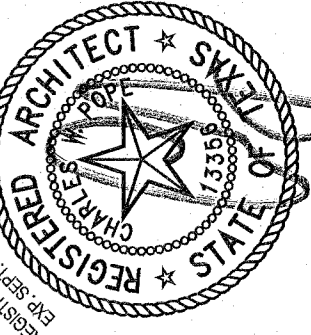
REVISIONS:

BUILDING SECTIONS



Potrancos Rd @ Dugas Rd, San Antonio, Tx. 78251

MAY 18 2022

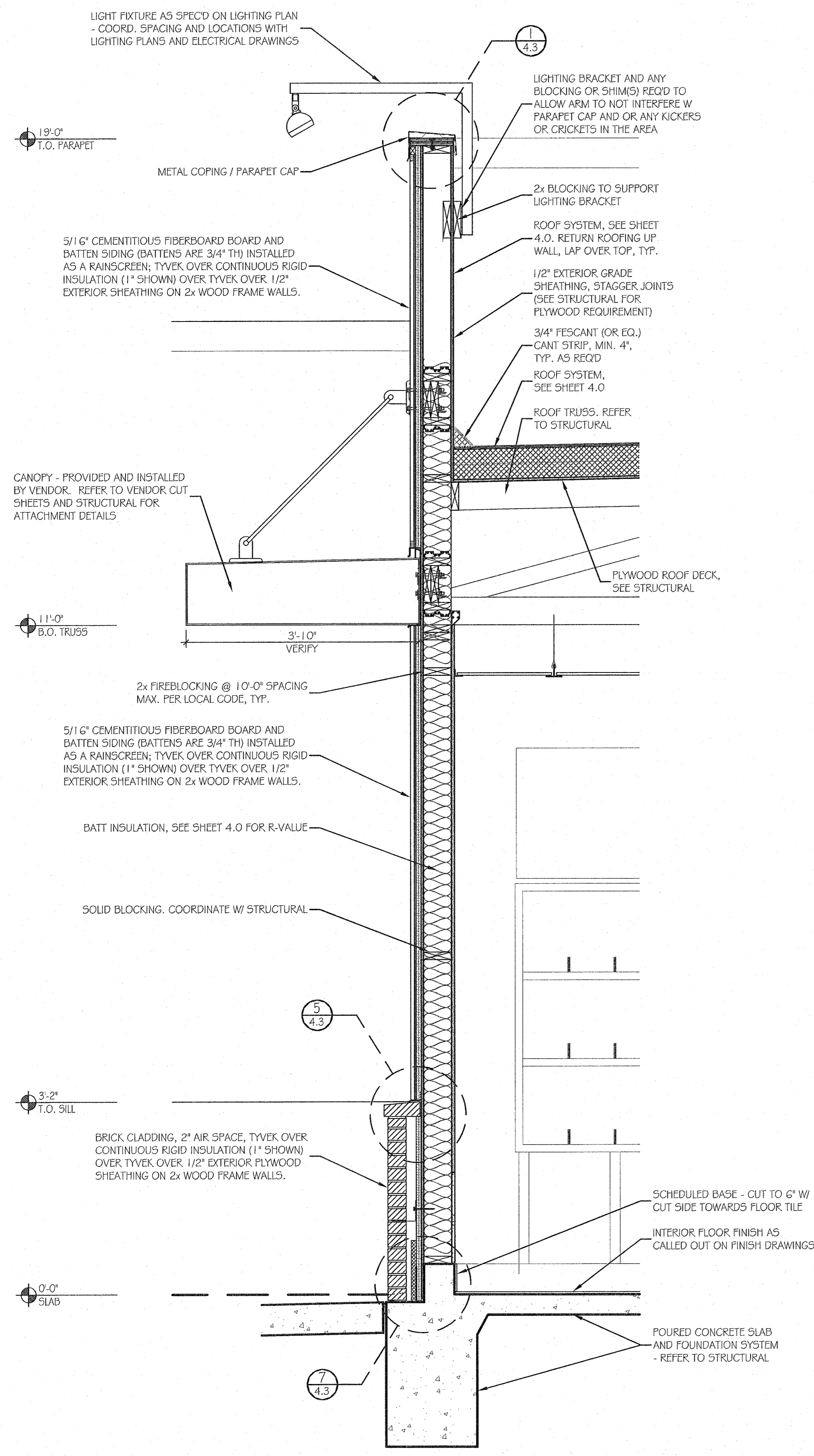


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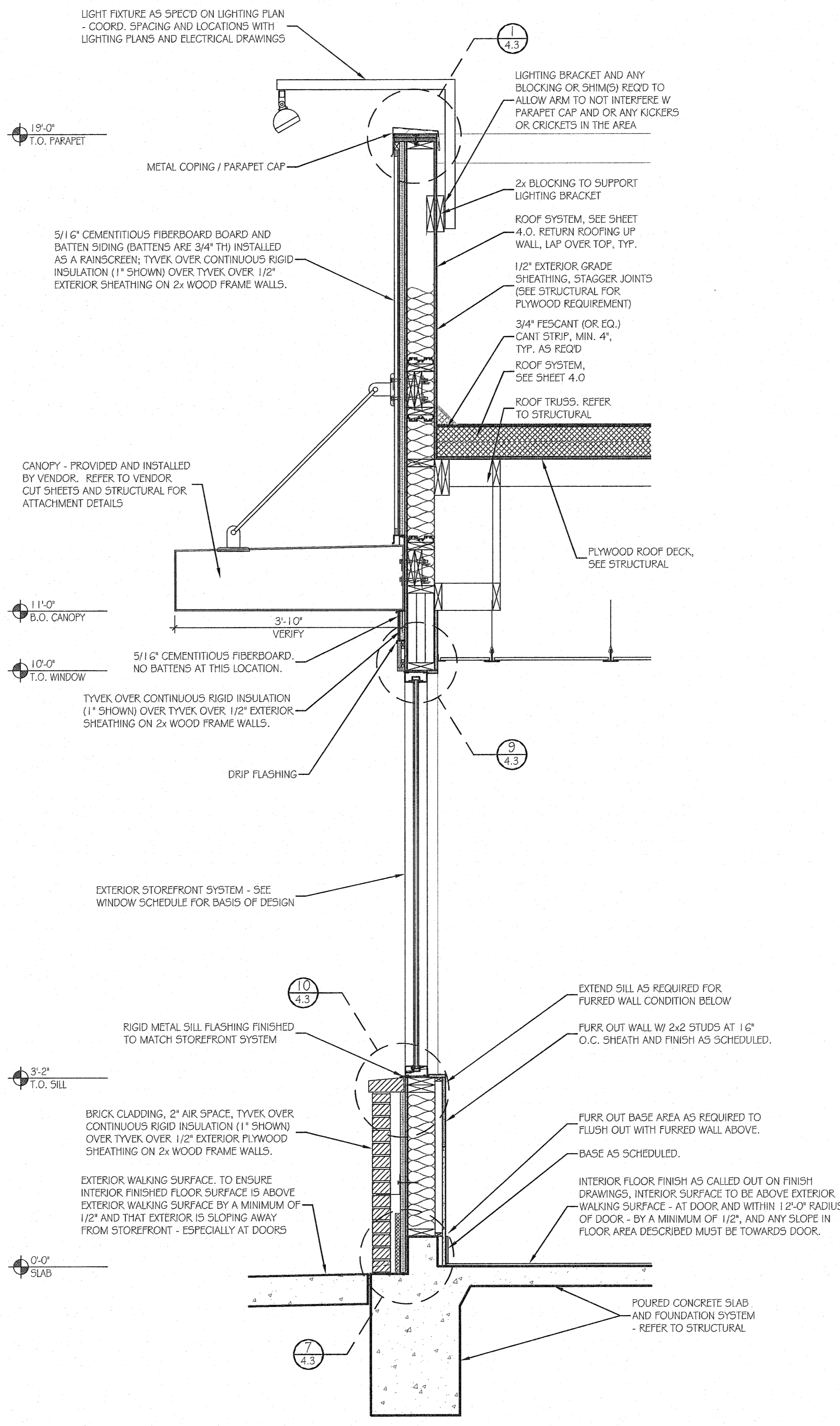
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JOB NO: 44343
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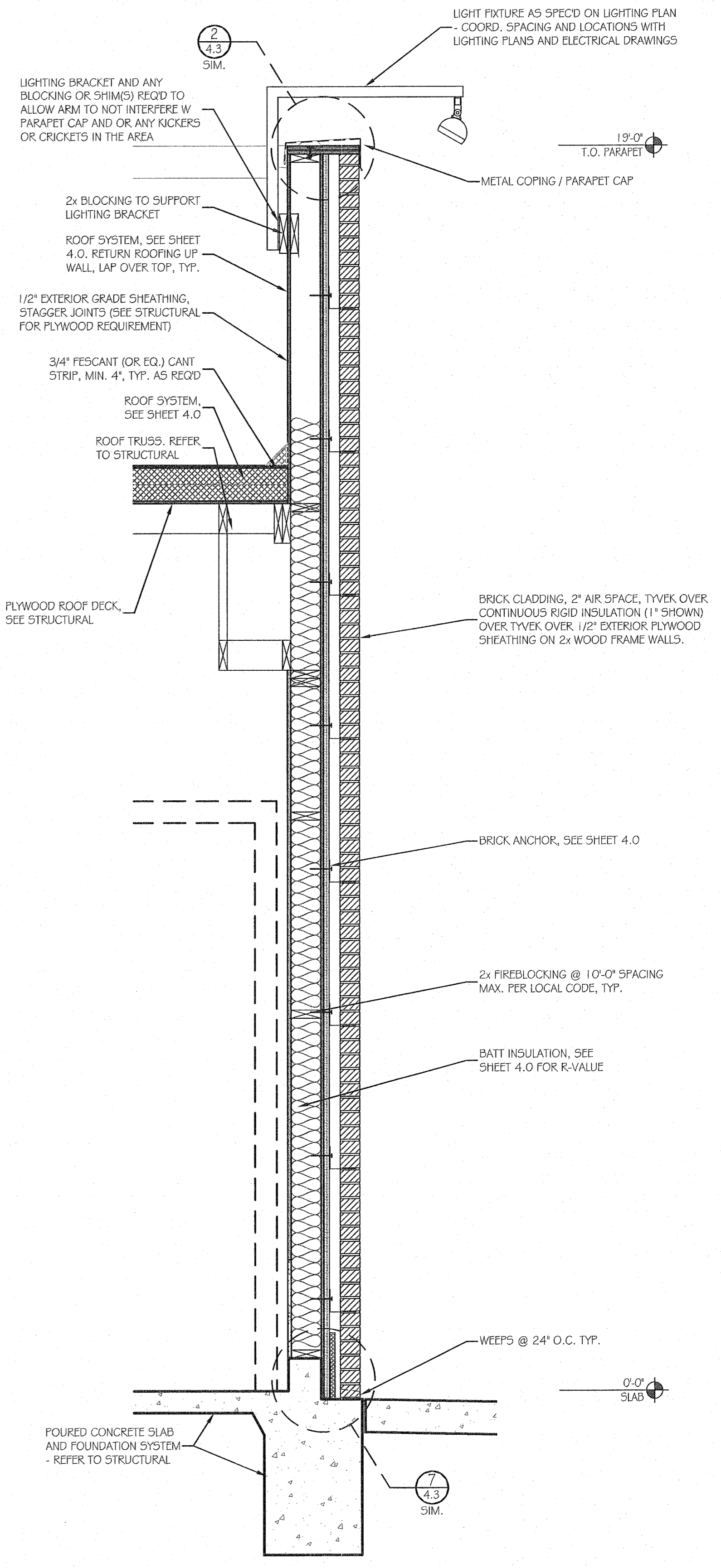
OF



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



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



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

KFD-04_2 Wall Sections.dwg
3/4" = 1'-0"
1/11

REVISIONS:

WALL SECTIONS

KFC Dugas

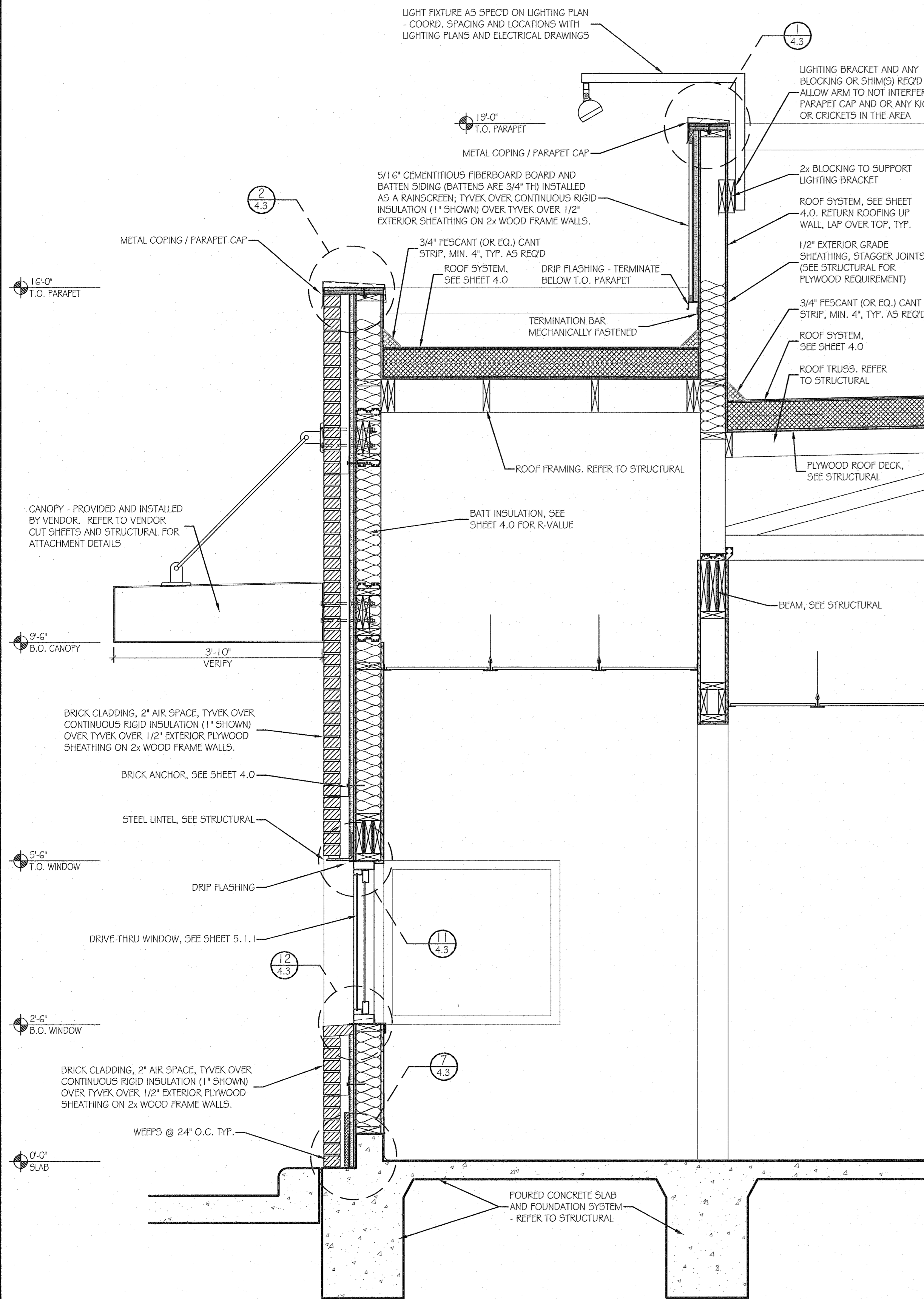
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MAY 18 2022

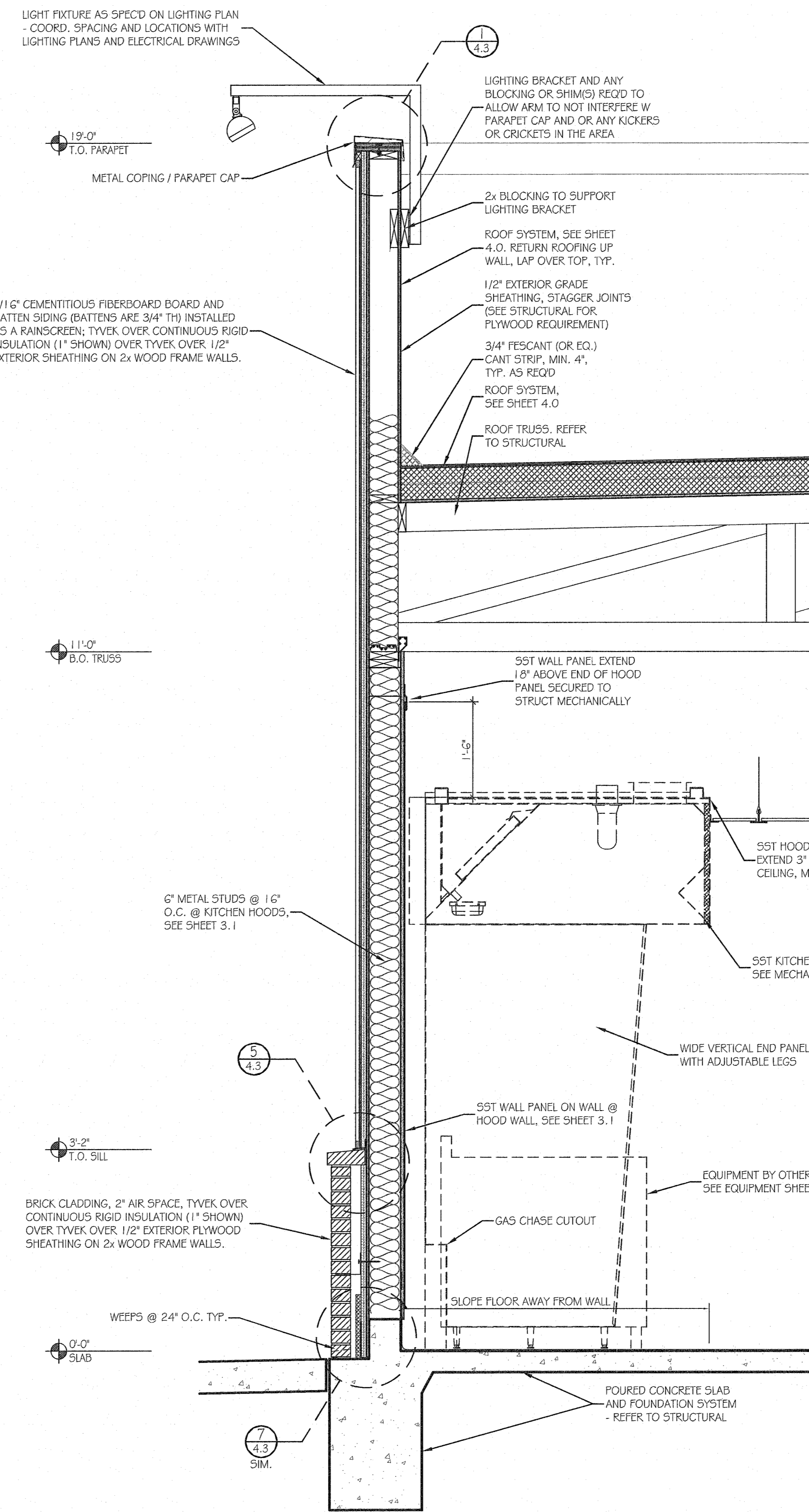
ARCHITECT & SYSTE
REGISTERED ARCHITECT
REGISTERED ENGINEER

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

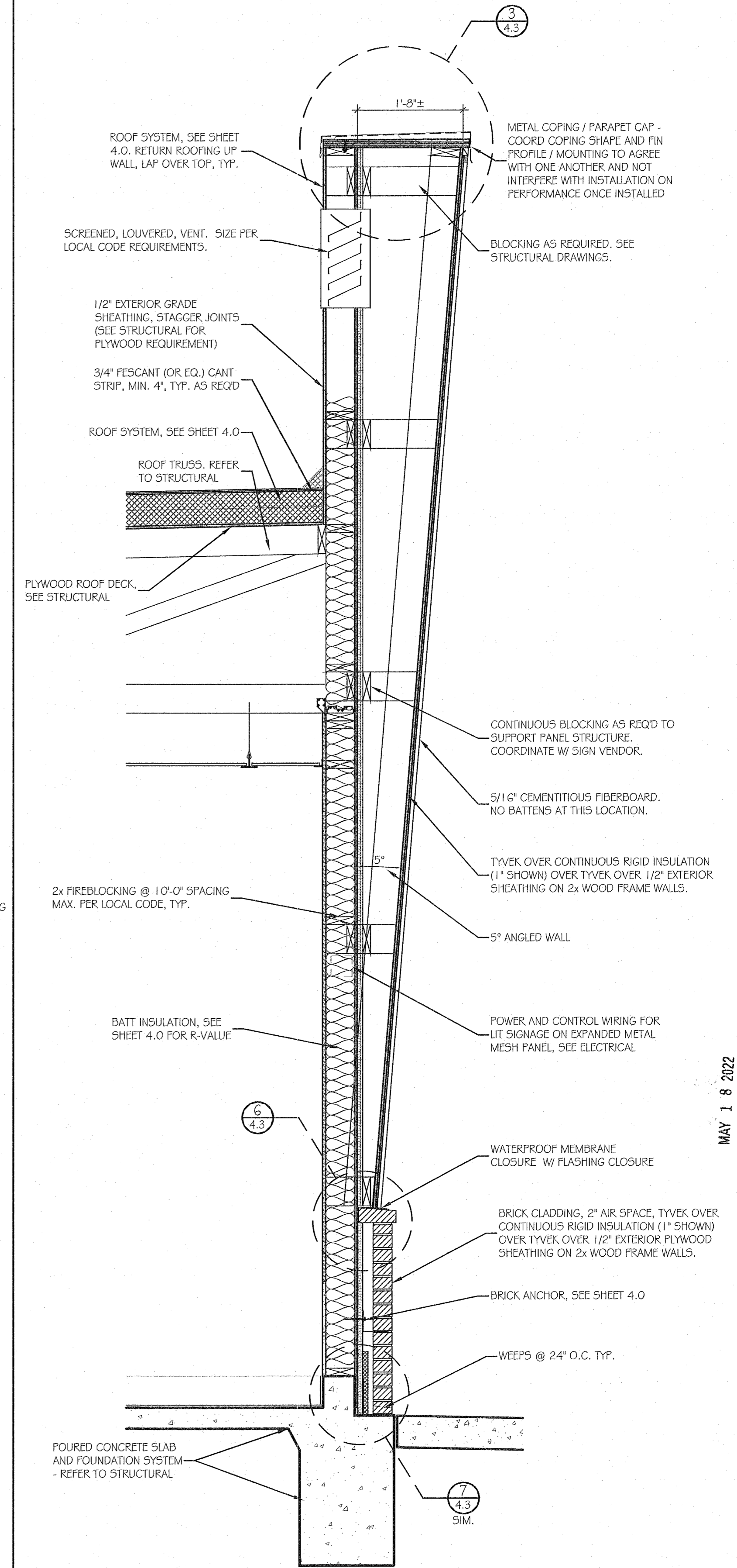
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4.2.1
OF



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



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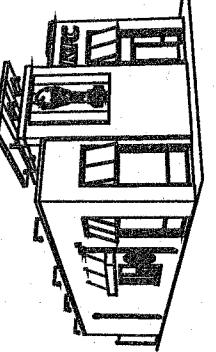
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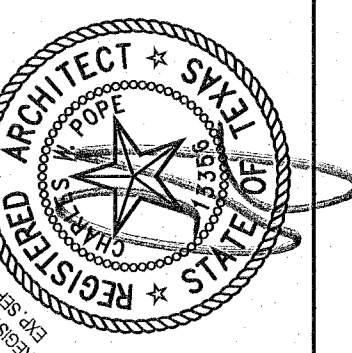
REVISIONS:

WALL SECTIONS

KFC Dugas
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MAY 18 2022

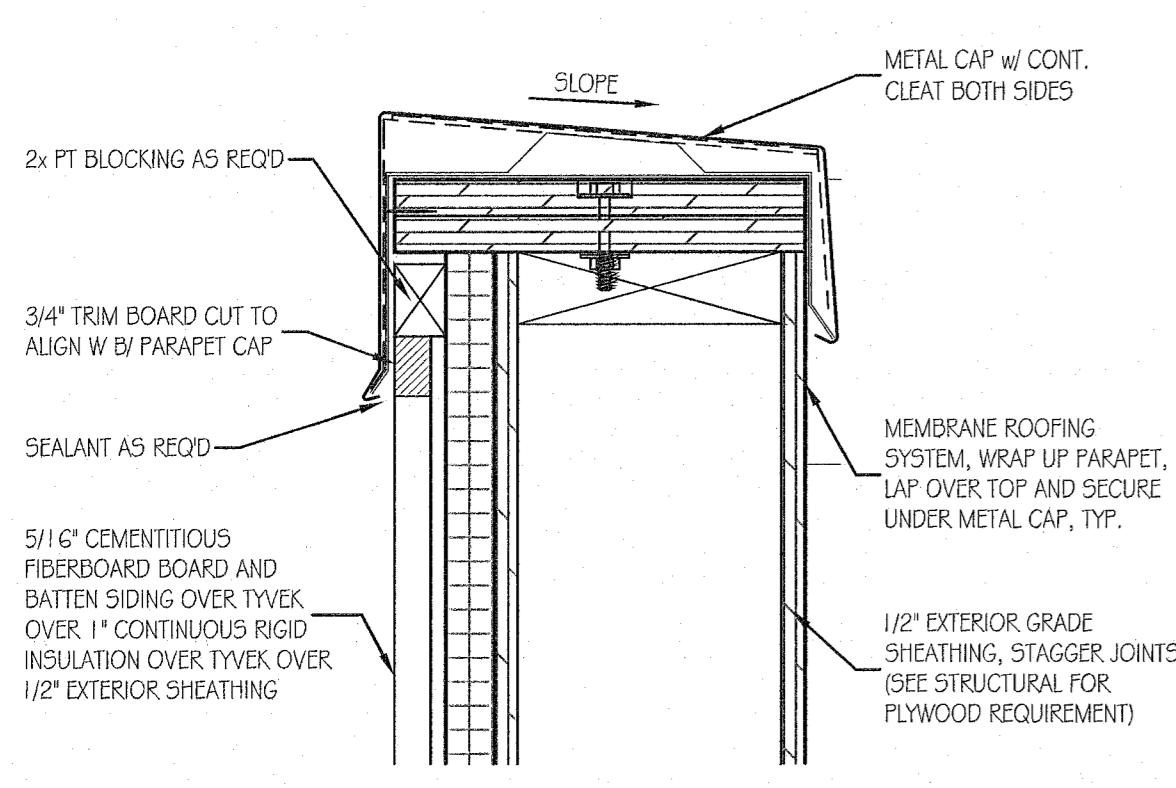


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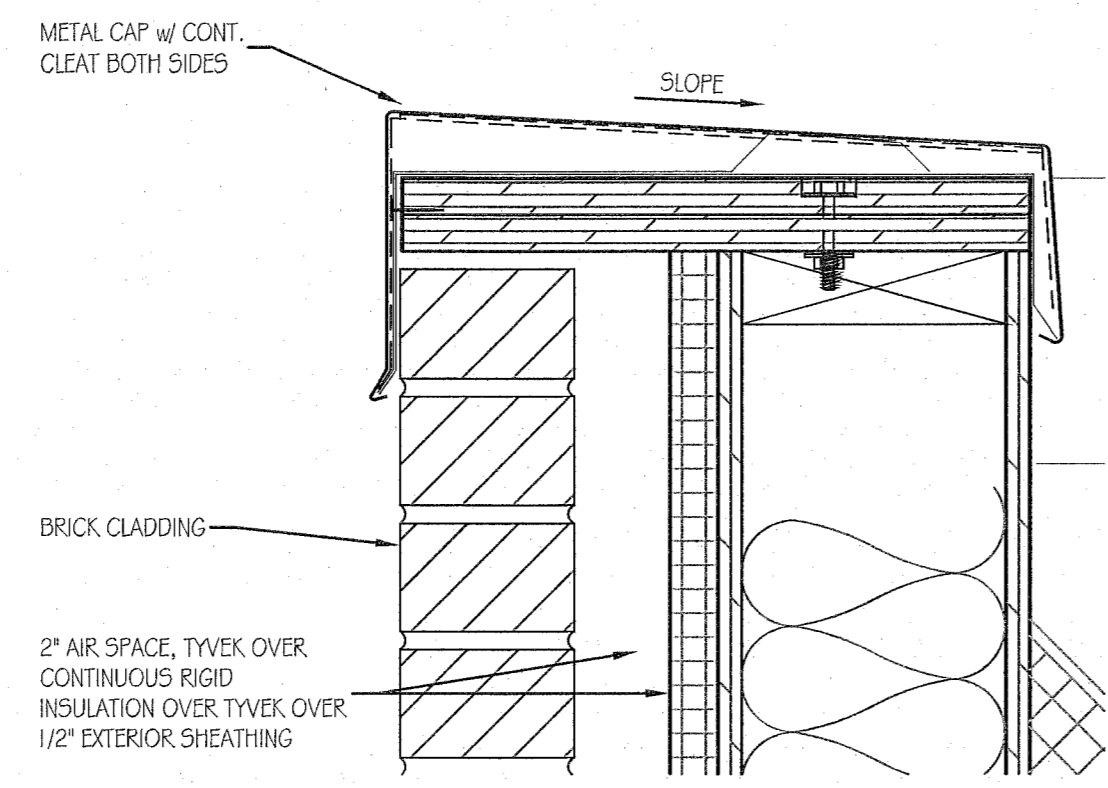
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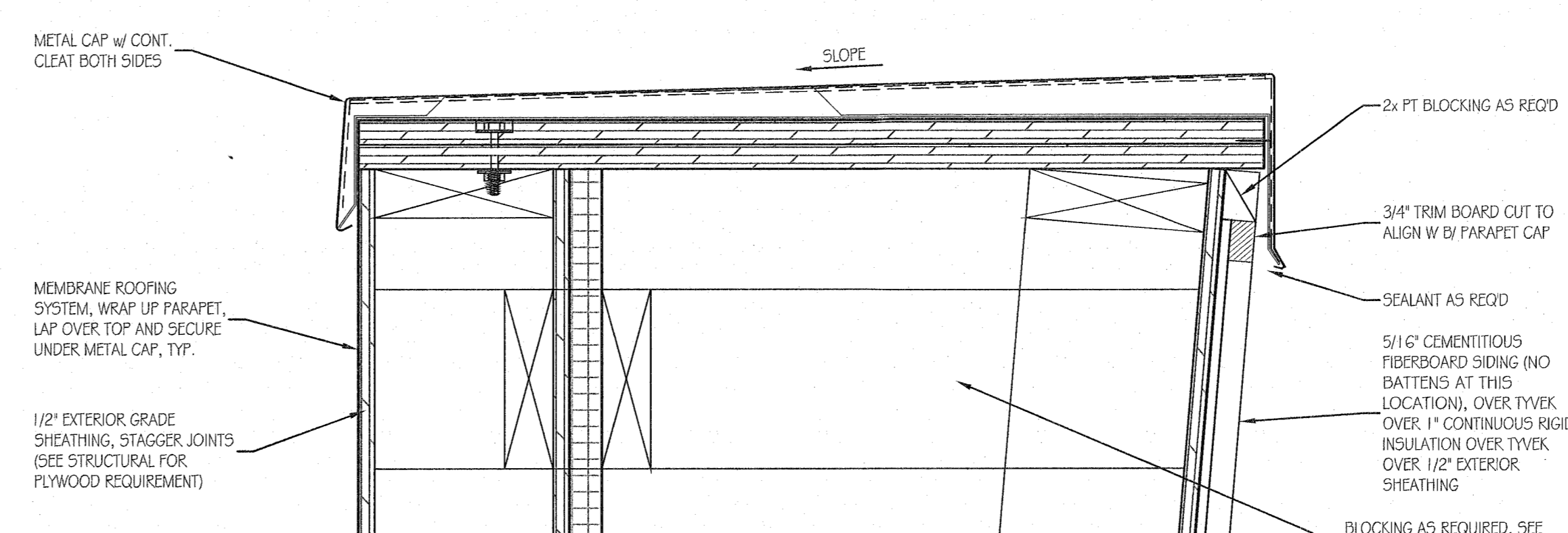
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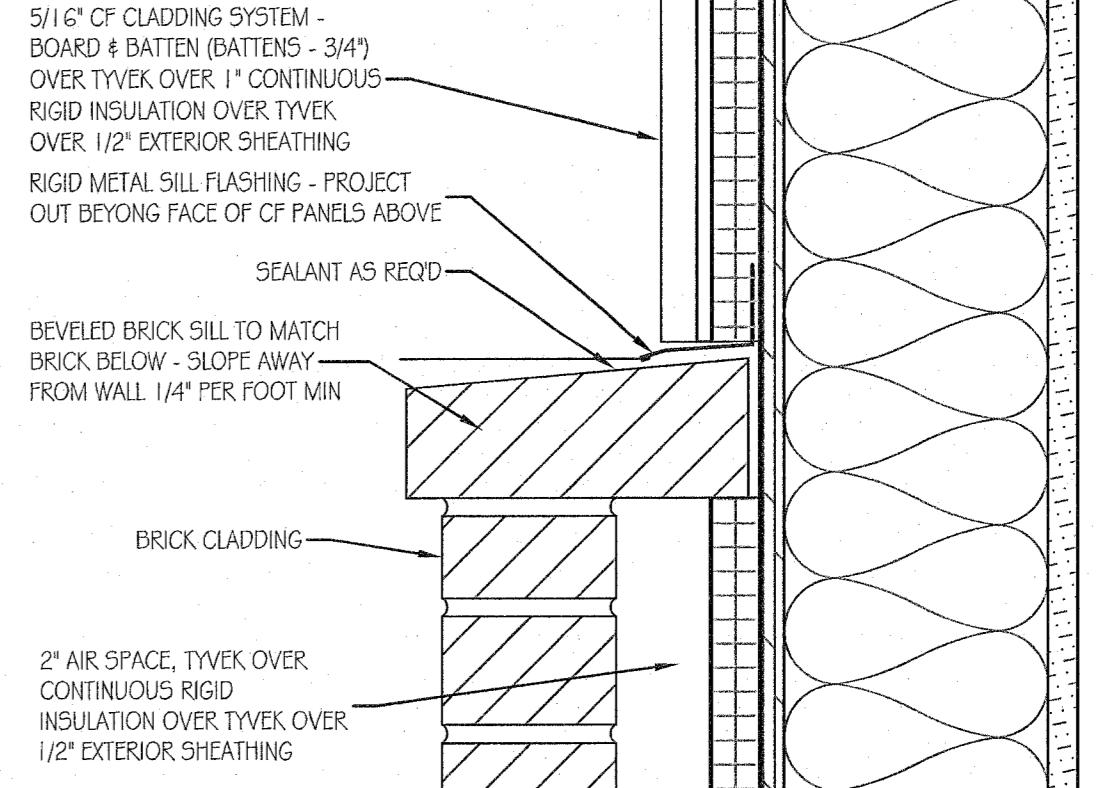
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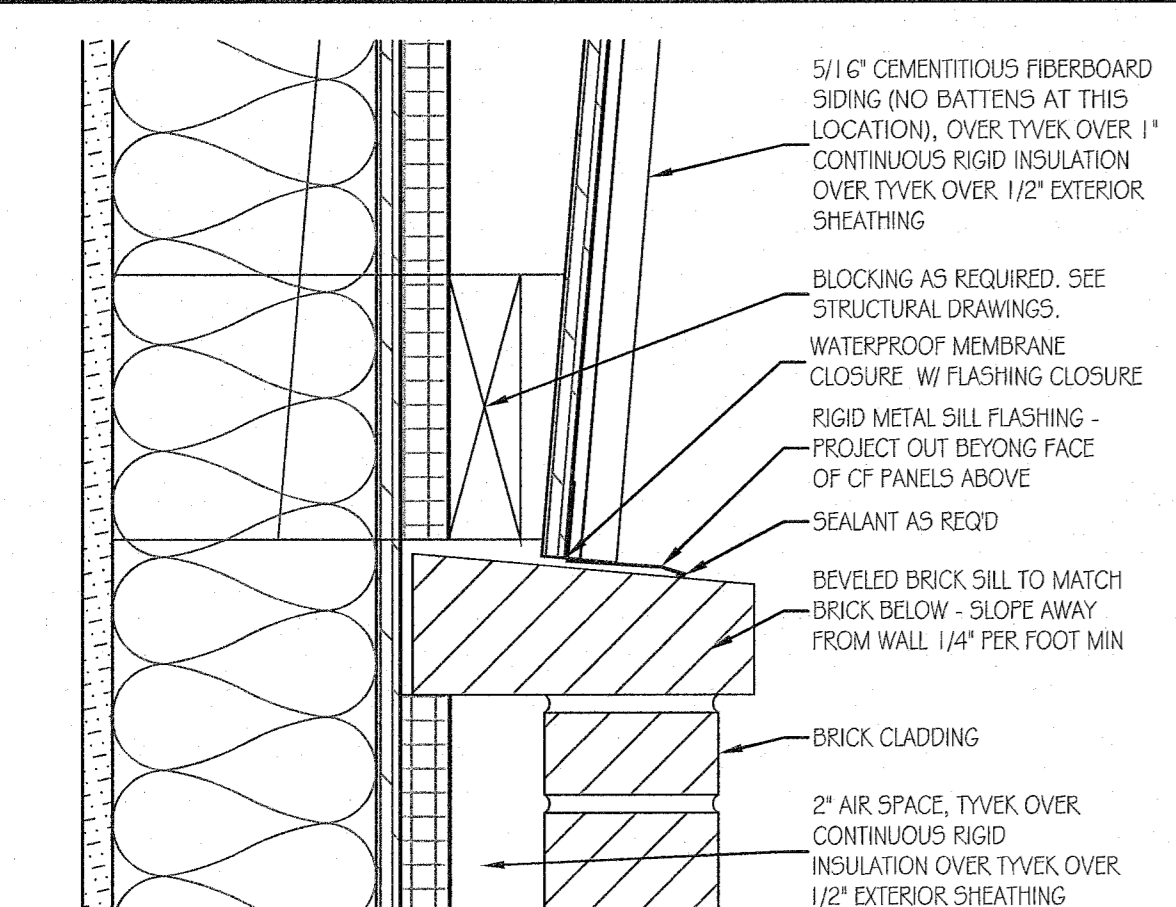
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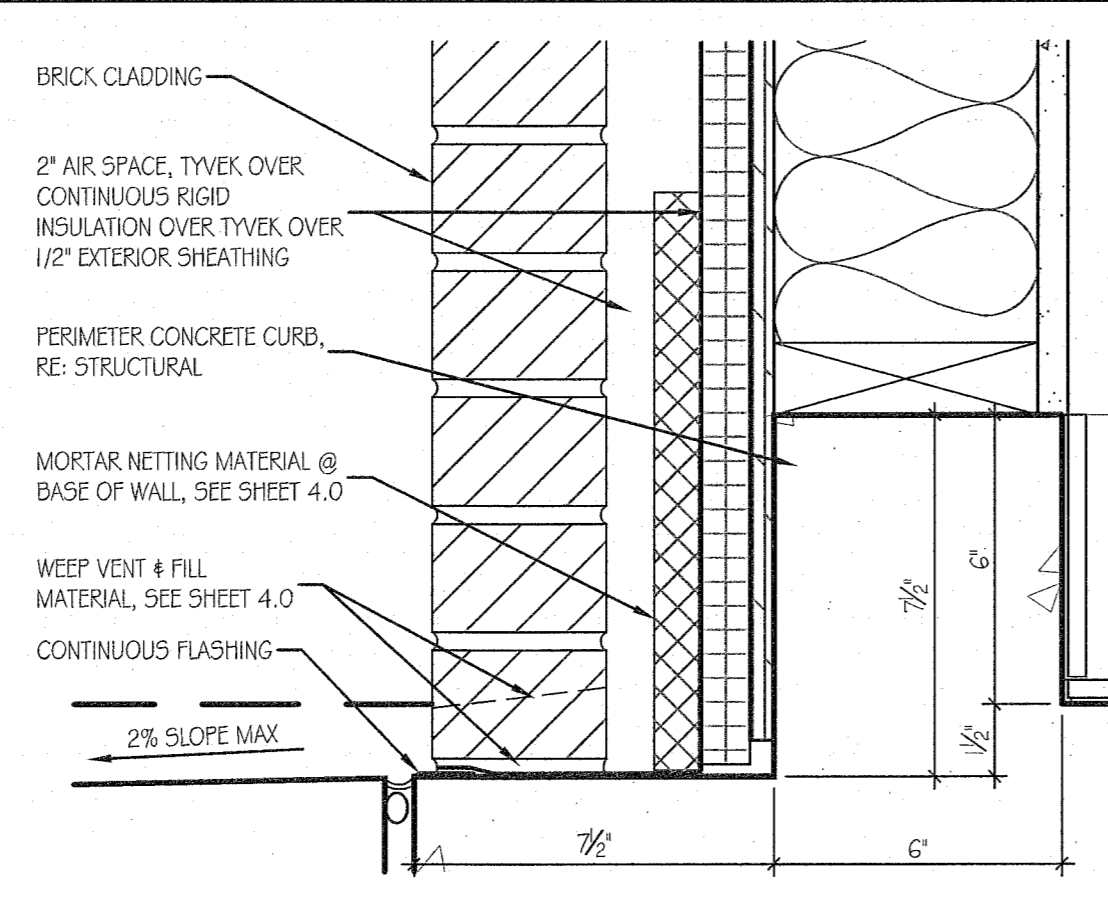
3 PARAPET DETAIL @ ANGLED WALL - TYP.
SCALE: 3" = 1'-0"



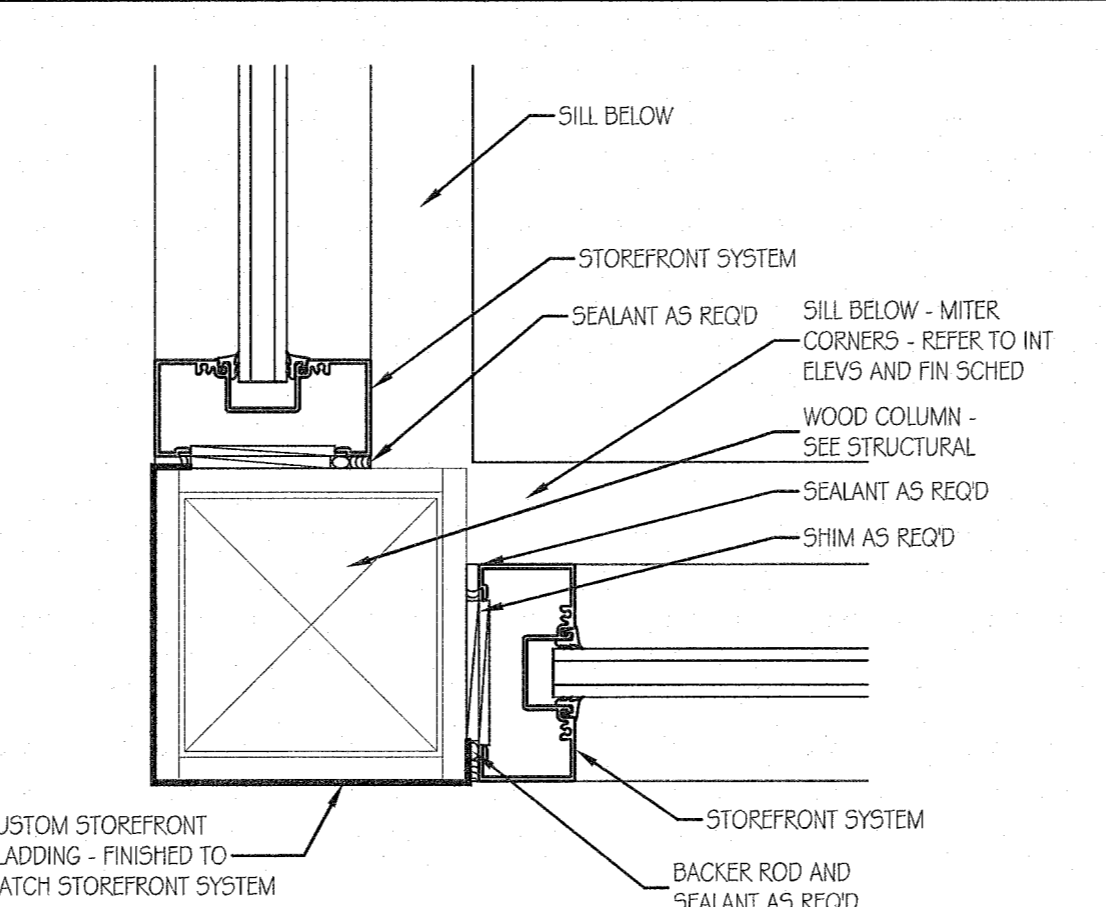
5 WATERTABLE SILL DETAIL
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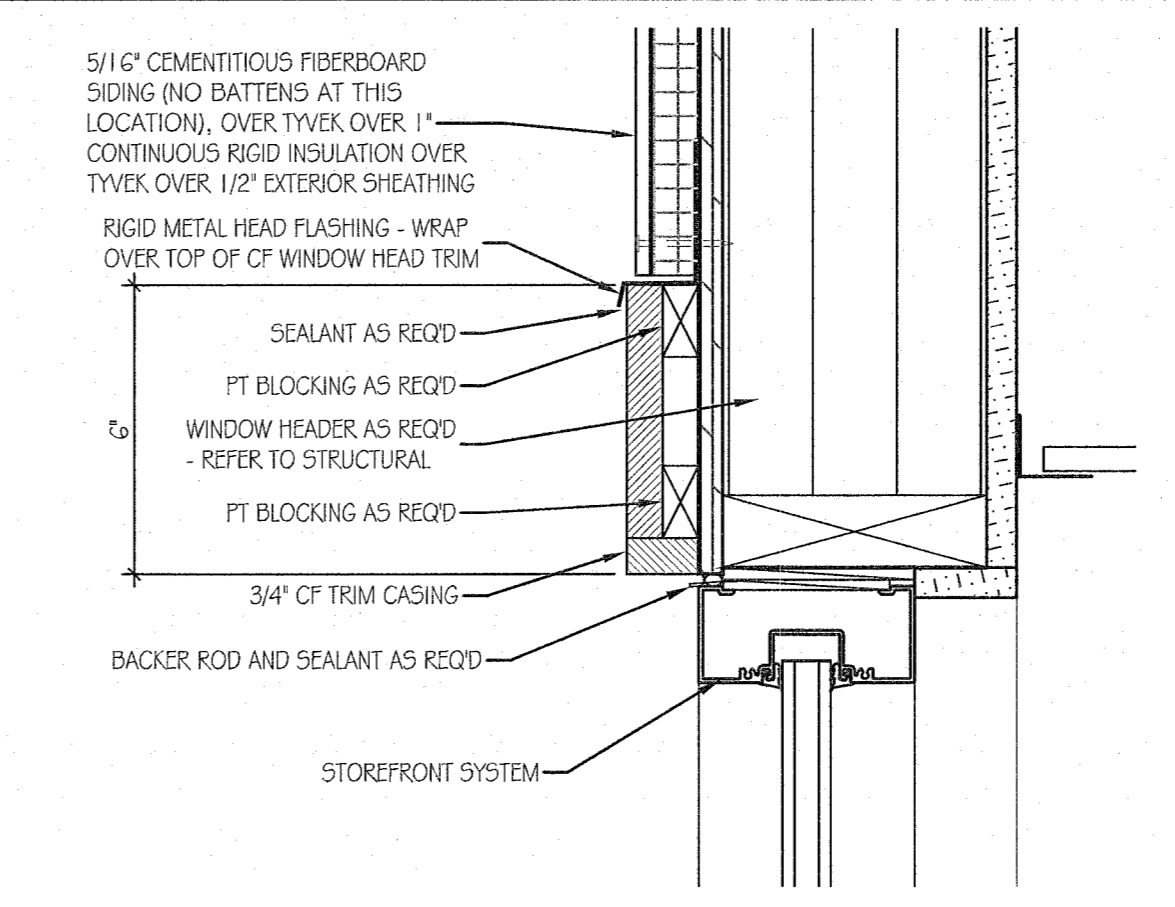
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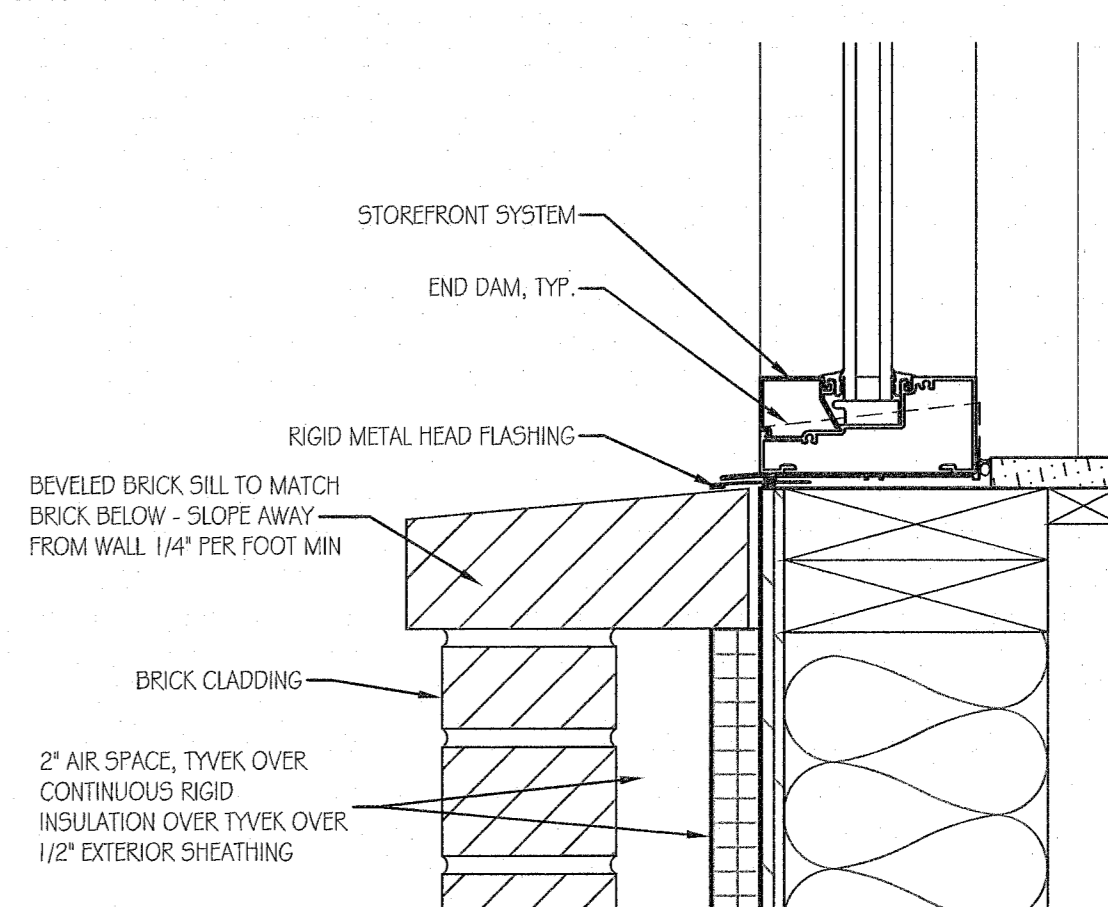
7 WALL BASE DETAIL - TYP.
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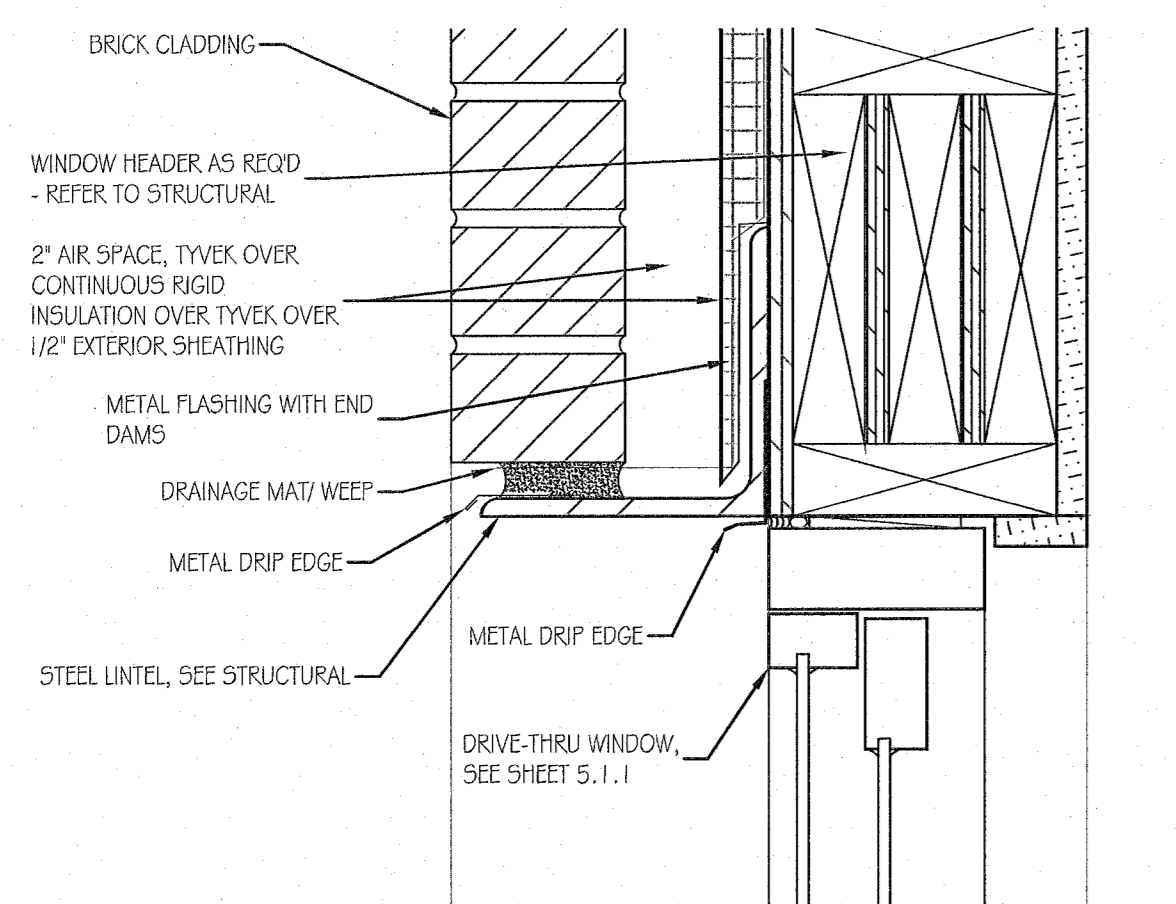
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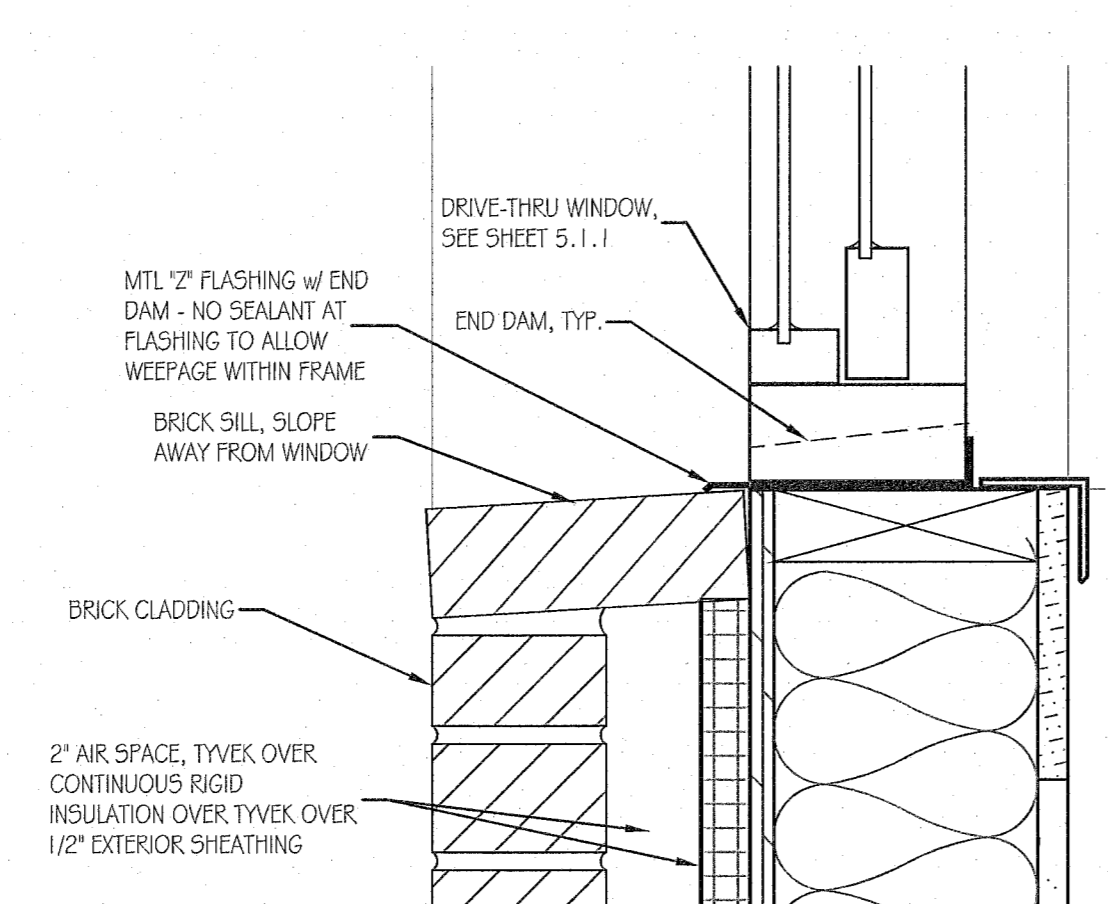
9 WINDOW HEAD DETAIL - TYP.
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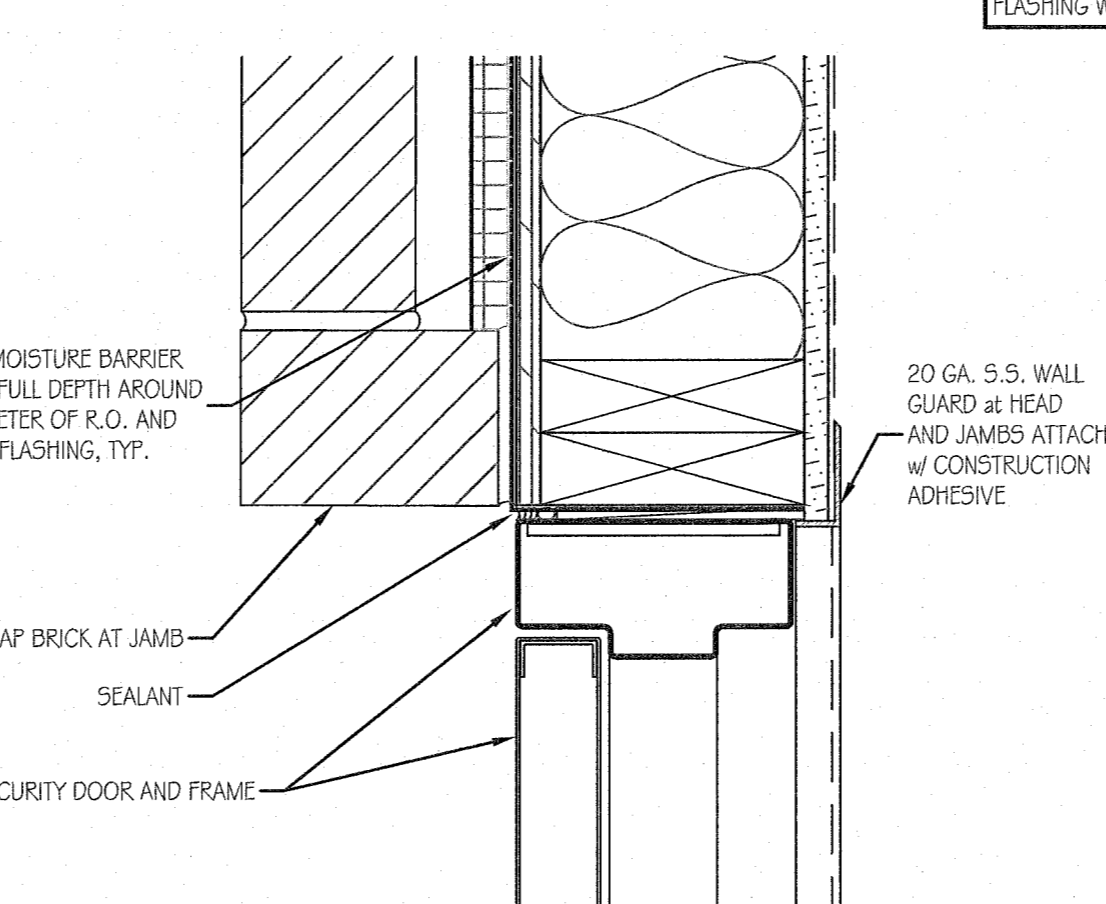
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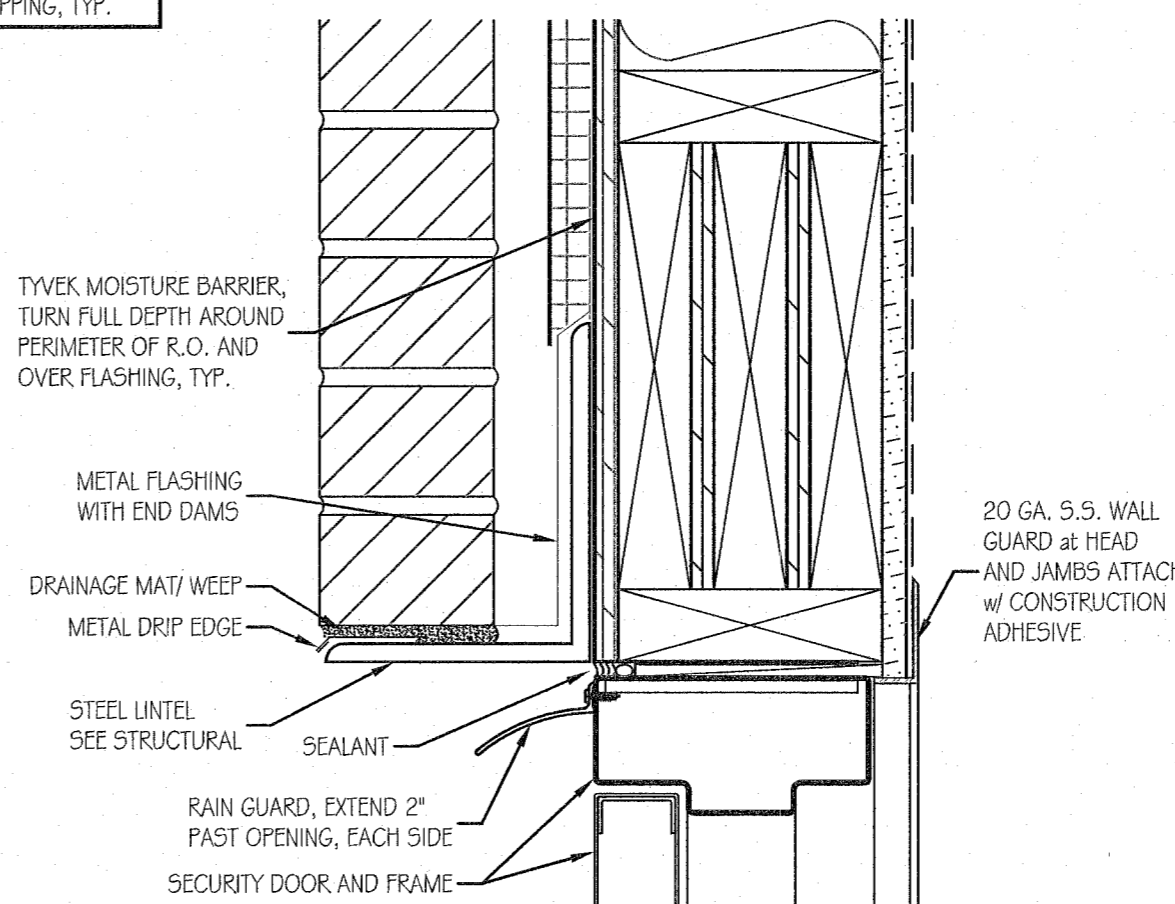
11 WINDOW HEAD DETAIL @ DRIVE-THRU
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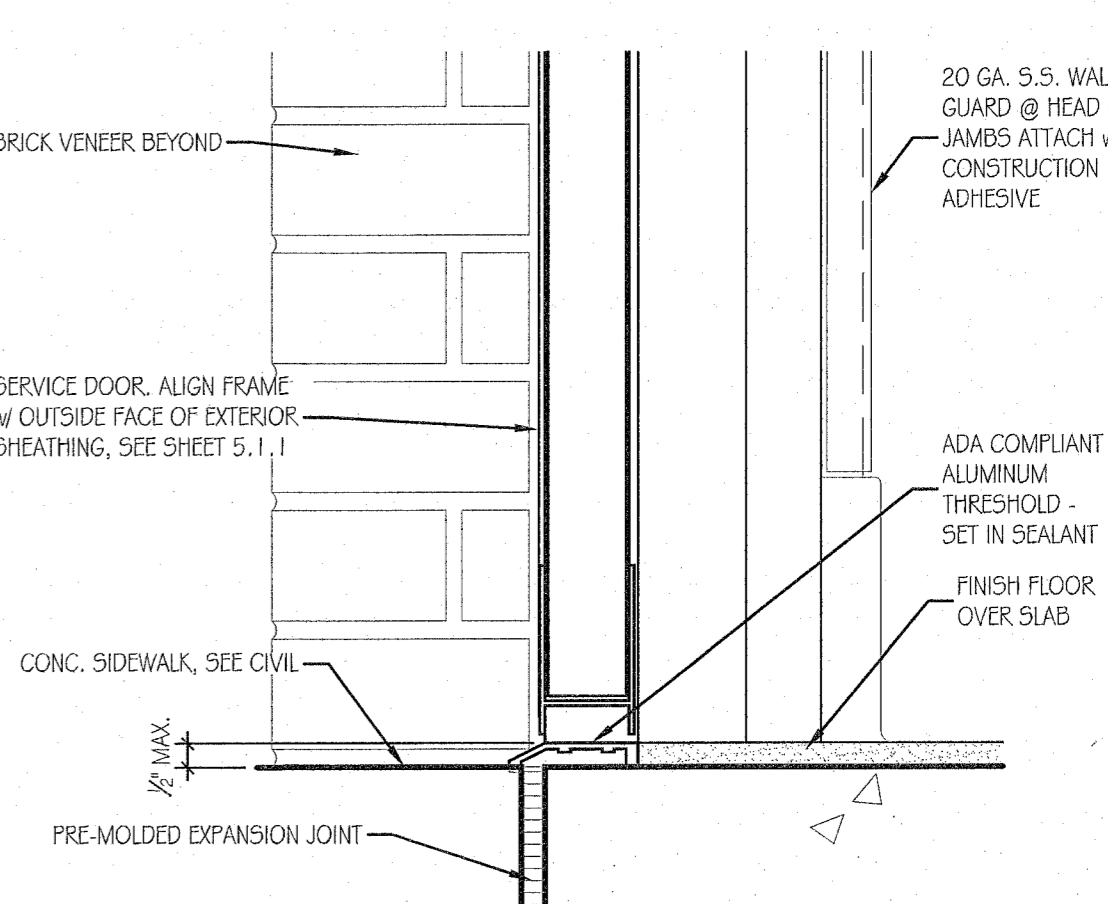
12 WINDOW SILL DETAIL @ DRIVE-THRU
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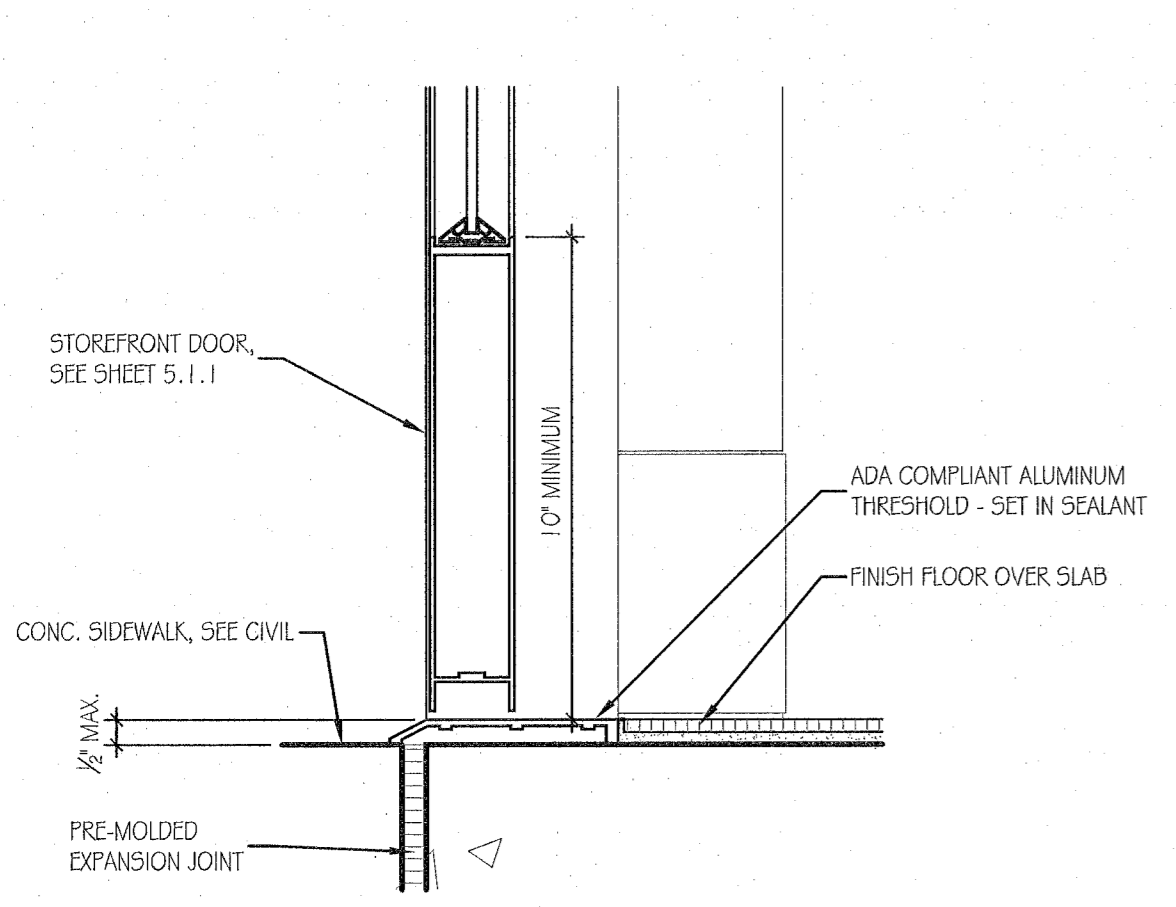
13 SERVICE DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



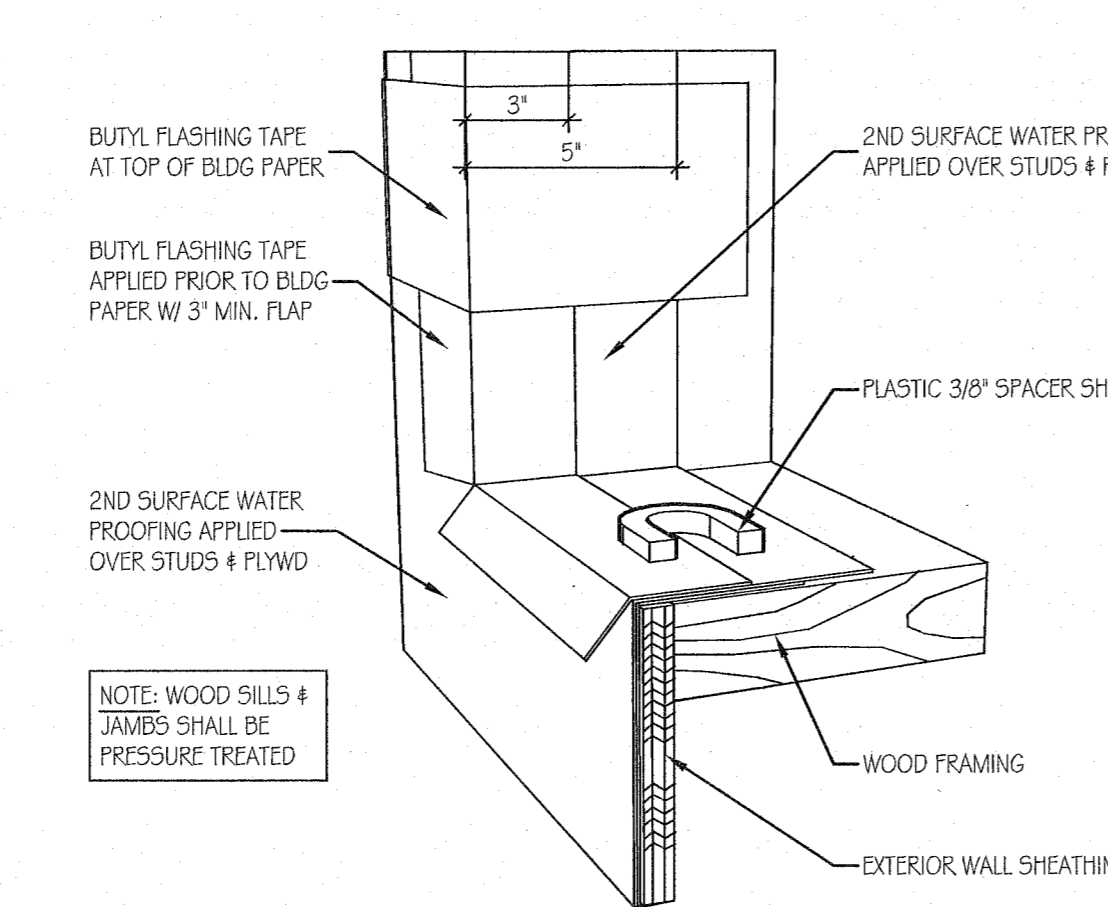
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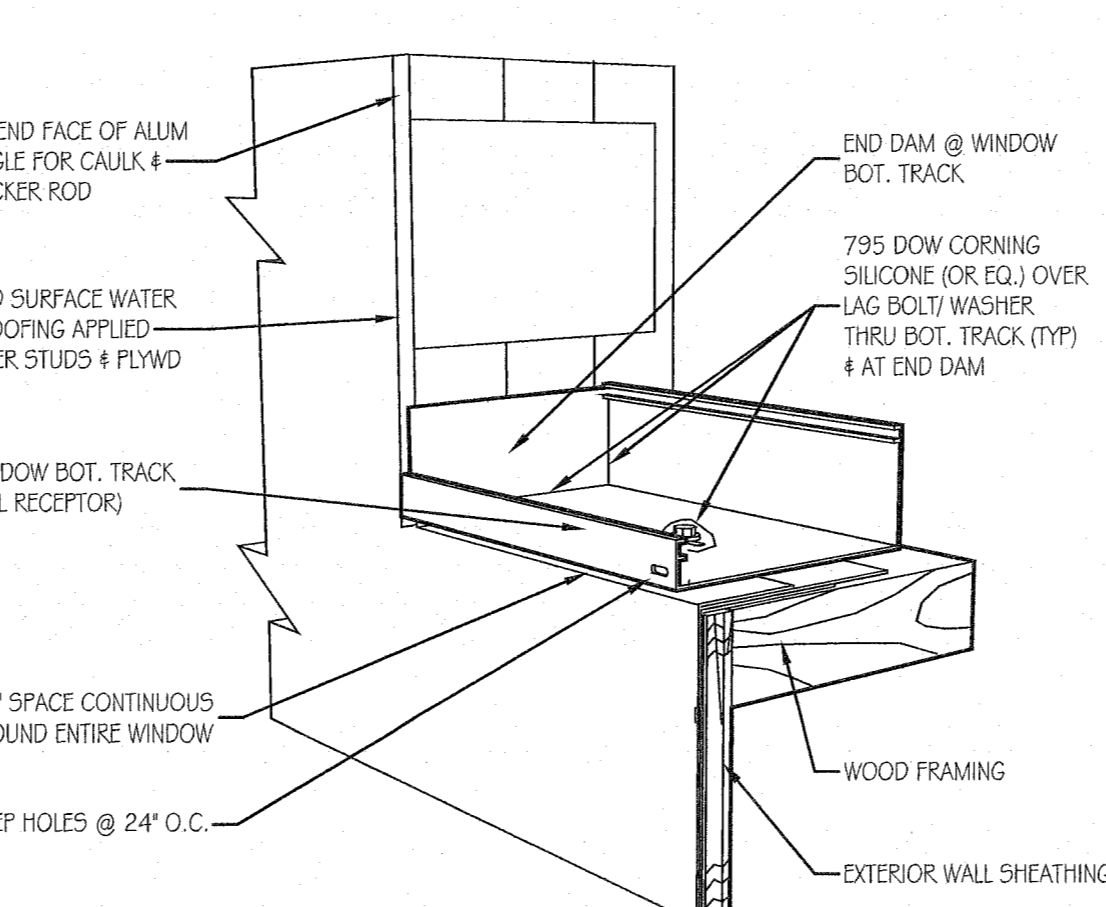
15 SERVICE DOOR THRESHOLD
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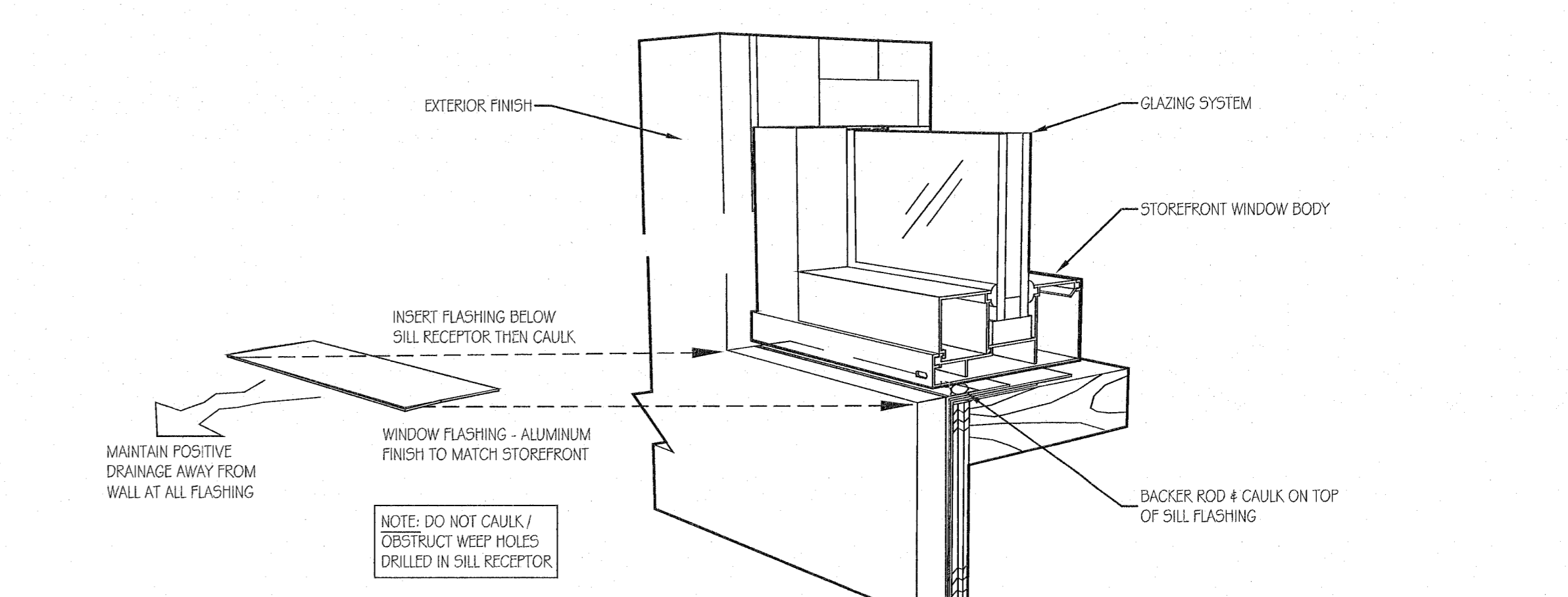
16 STOREFRONT DOOR THRESHOLD
SCALE: 3" = 1'-0"



17 WATERPROOFING ROUGH OPENING
SCALE: NT5



18 ADD SILL RECEPTOR AND END DAM
SCALE: NT5



19 COMPLETING WINDOW SYSTEM
SCALE: NT5

REVISIONS:

EXTERIOR DETAILS

PKFC Dugas

Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

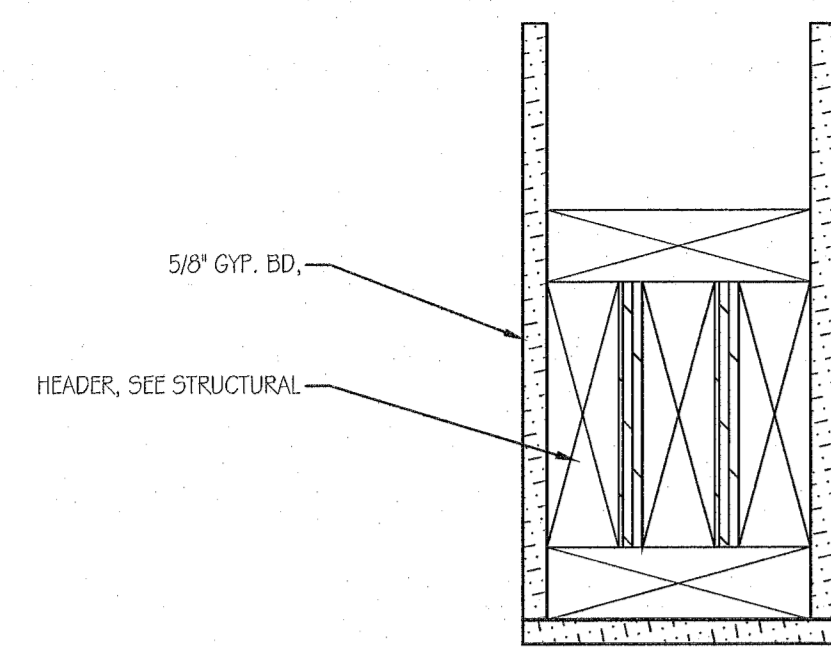
MAY 18 2022

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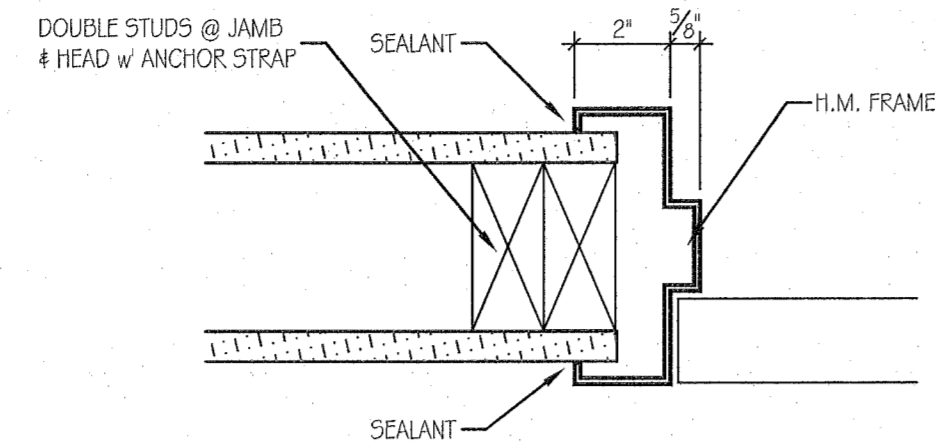
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: CRB
SHEET NUMBER: **4.3**

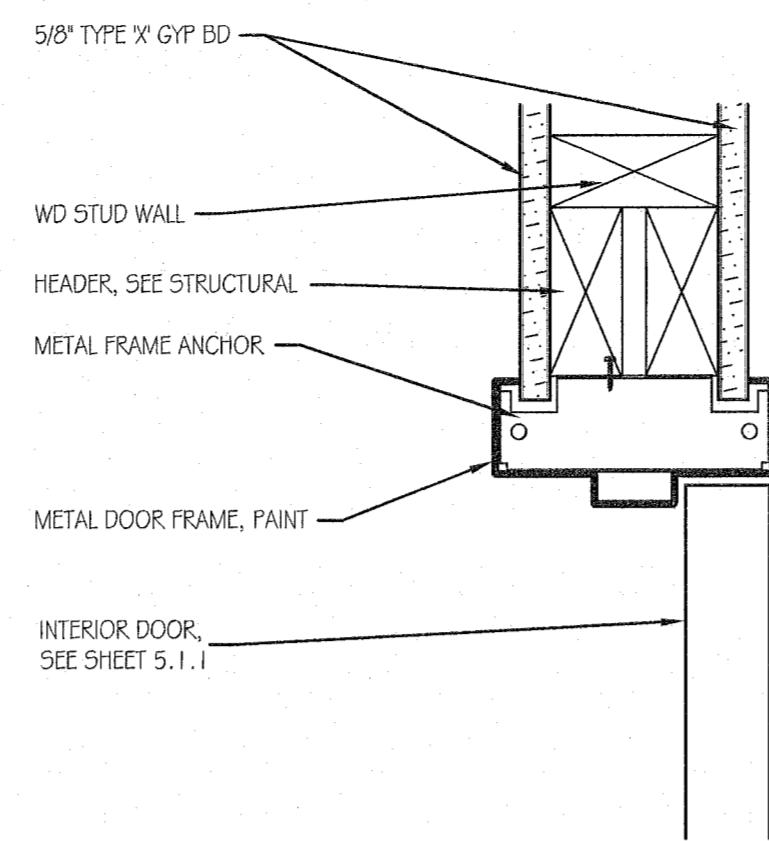
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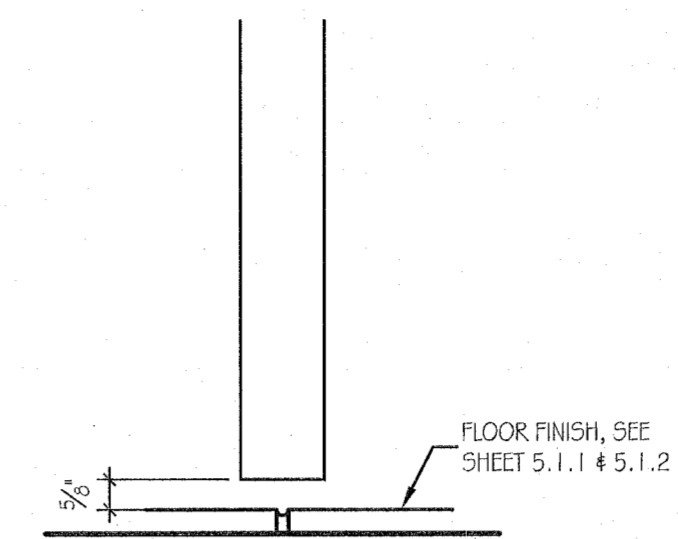
1 CASED OPENING DETAIL
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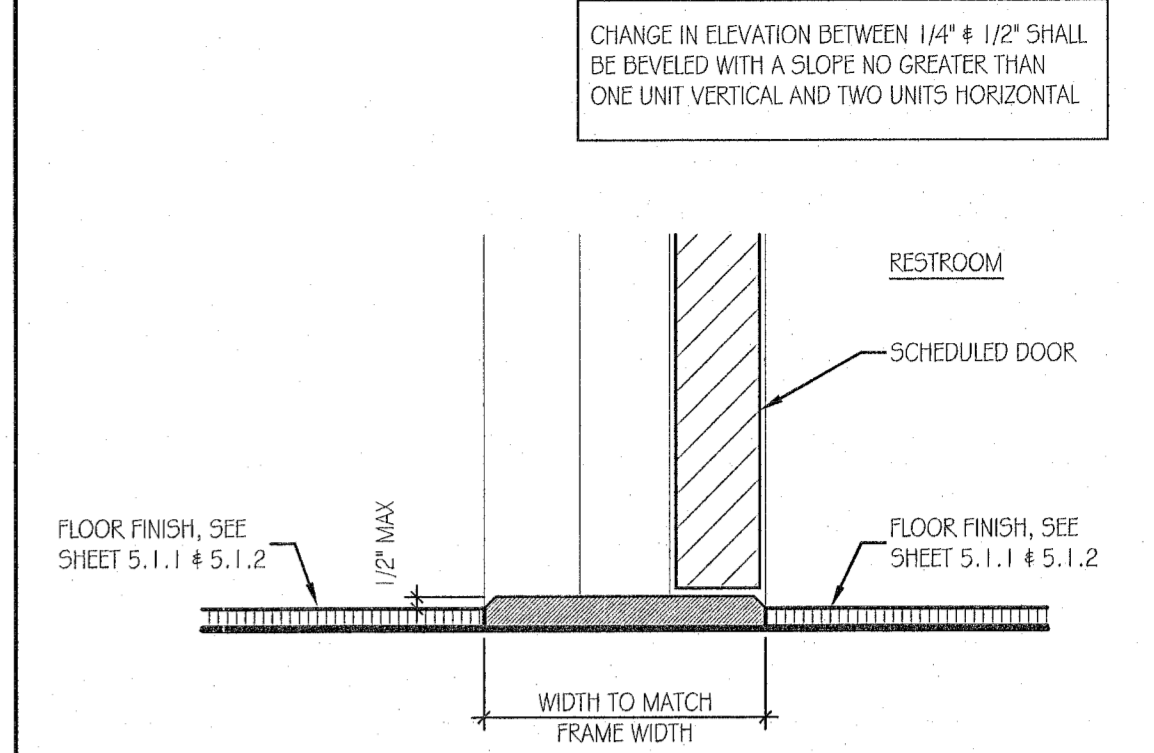
2 INTERIOR DOOR JAMB DETAIL - TYP.
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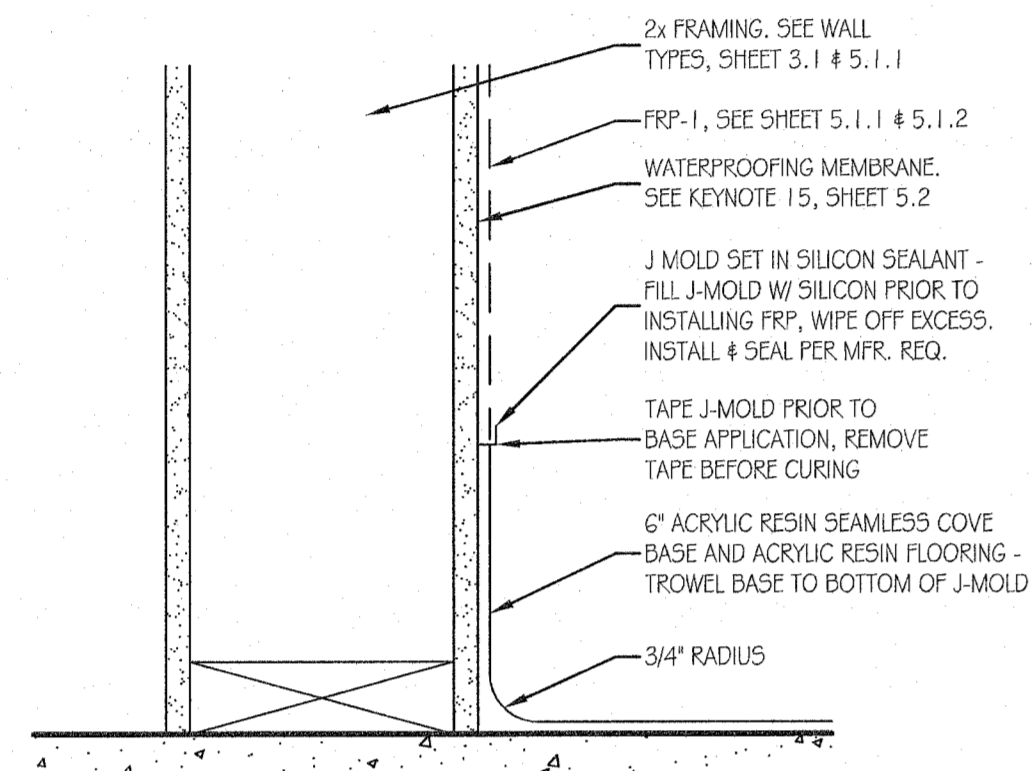
3 INTERIOR DOOR HEAD DETAIL - TYP.
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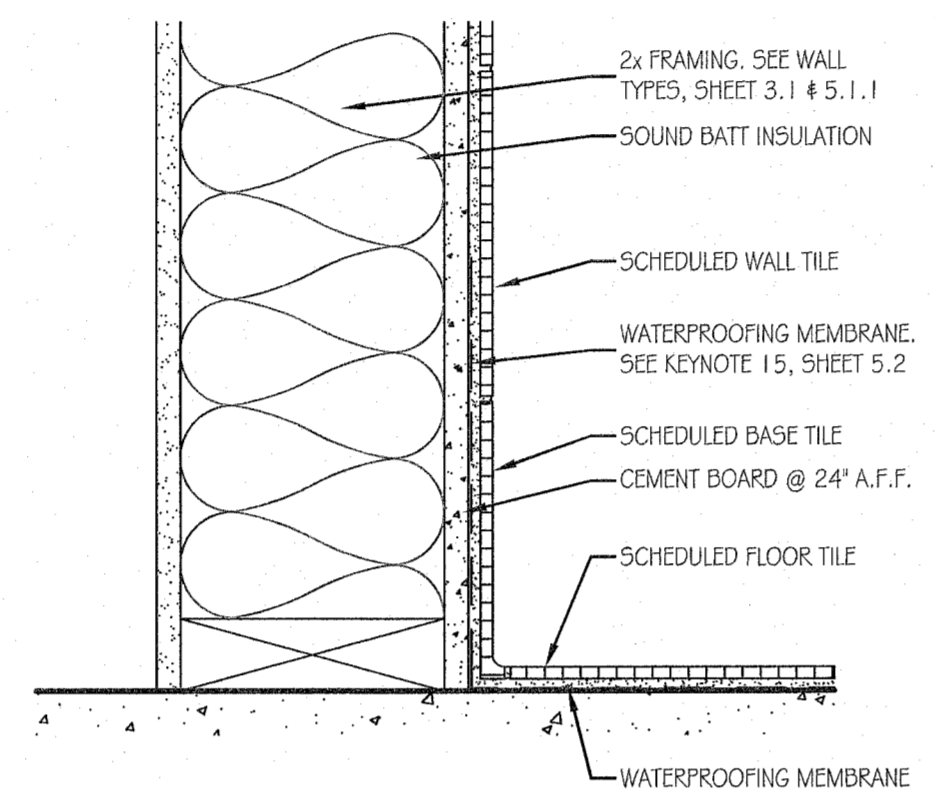
4 INTERIOR DOOR UNDERCUT DETAIL - TYP.
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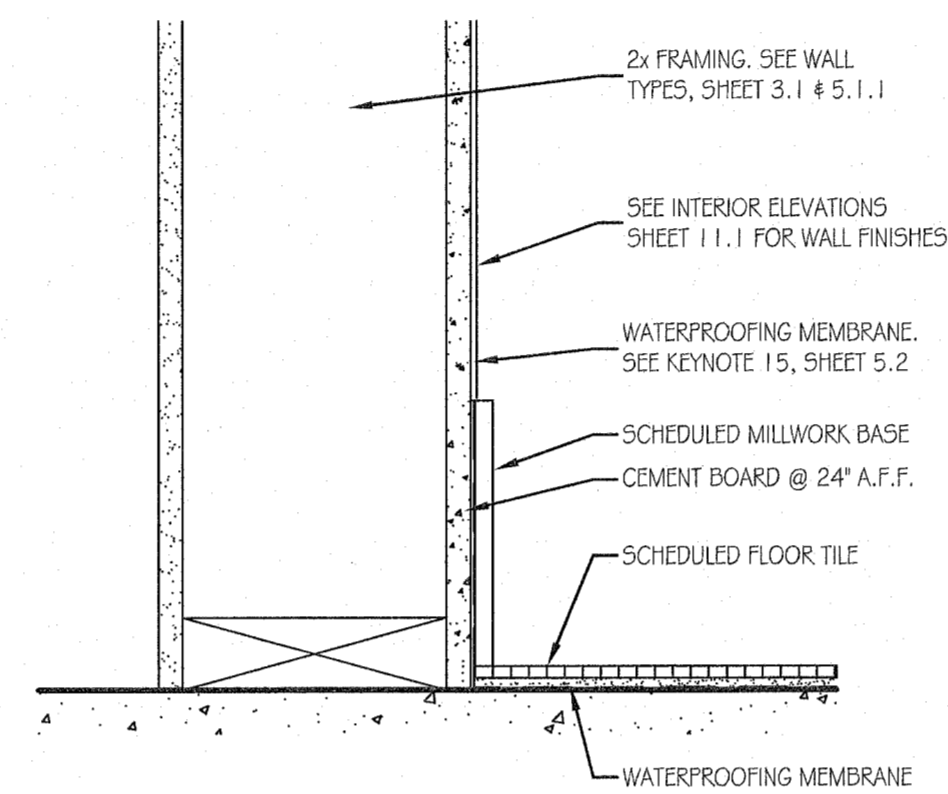
5 MARBLE SADDLE @ TILE FLOOR
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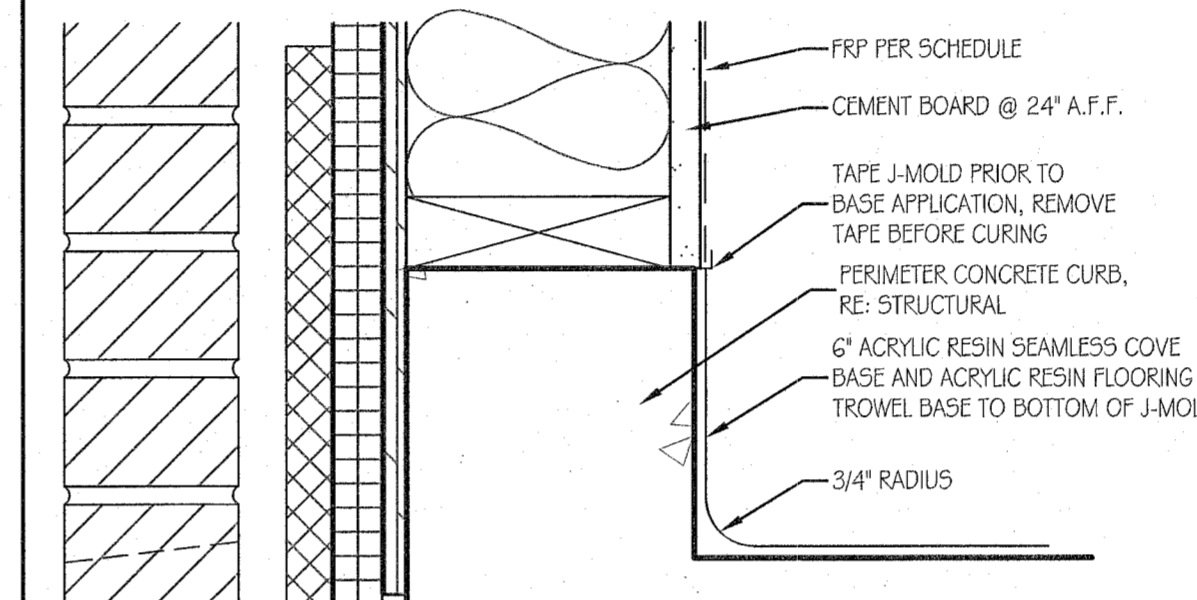
6 INTERIOR WALL BASE @ KITCHEN - TYP.
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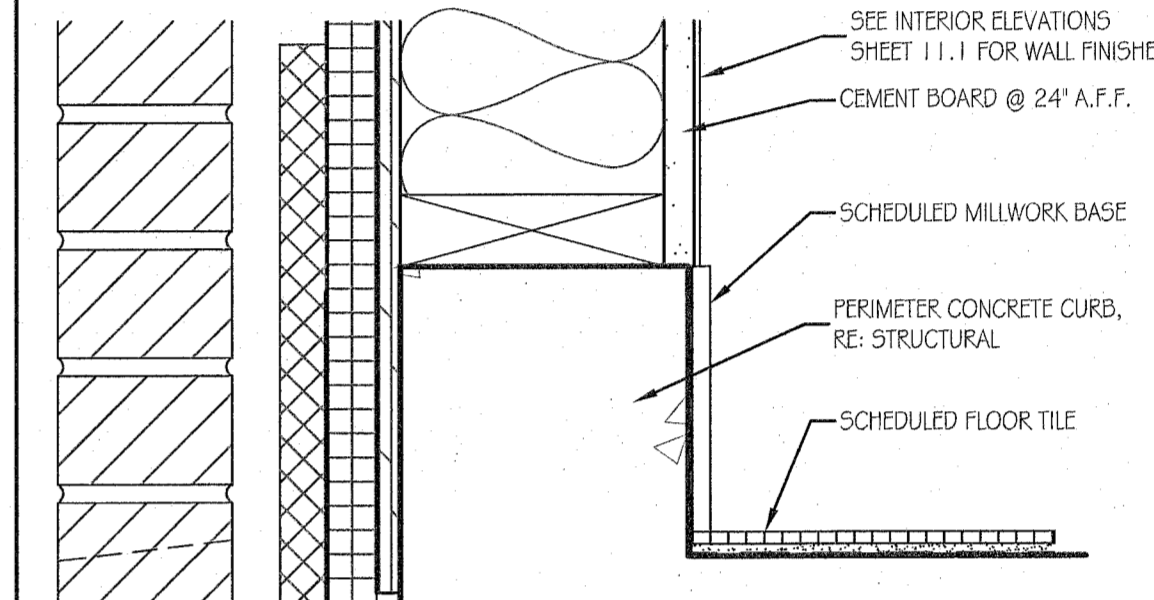
7 INTERIOR WALL BASE @ RESTROOM - TYP.
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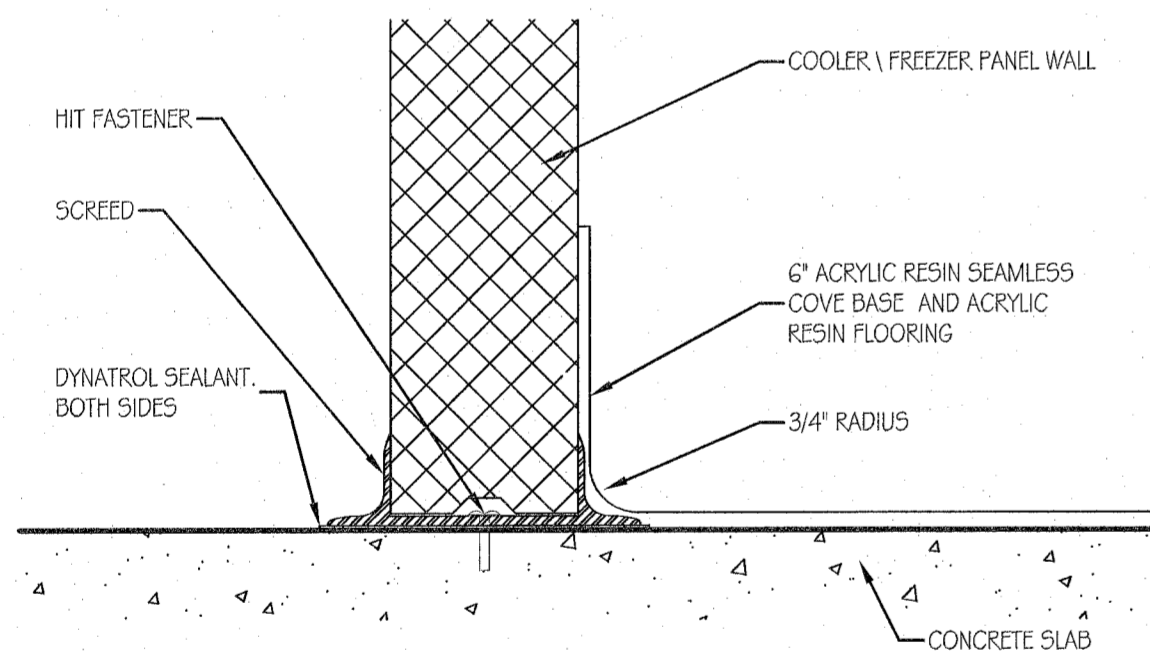
8 INTERIOR WALL BASE @ DINING - TYP.
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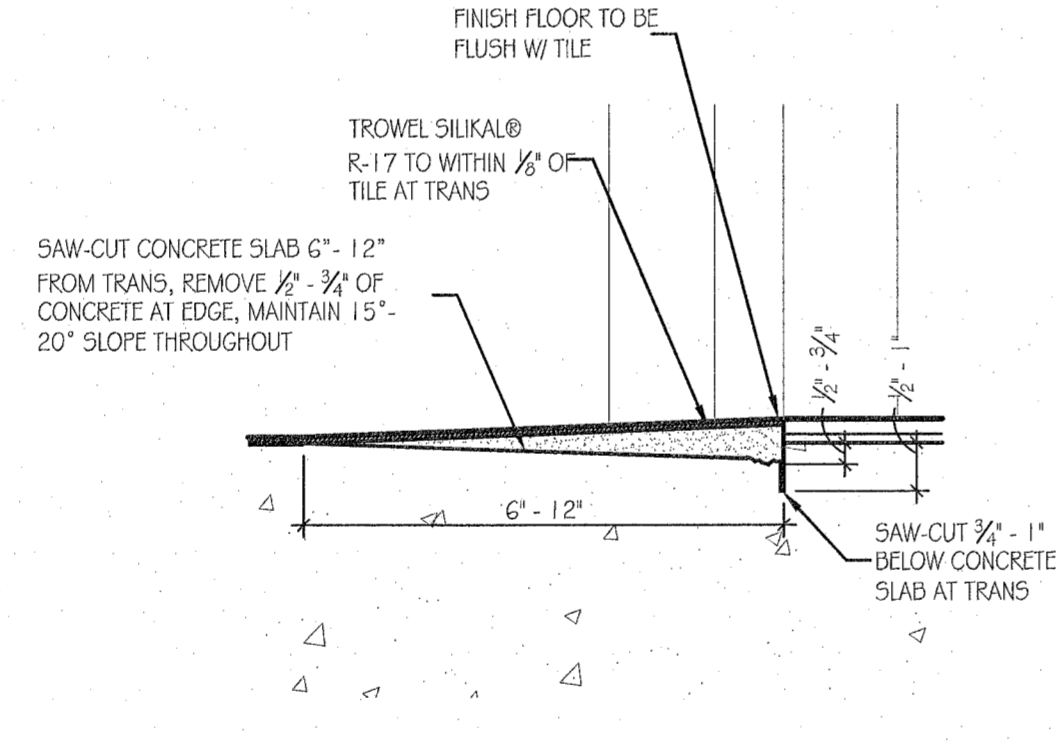
9 PERIMETER WALL BASE @ KITCHEN - TYP.
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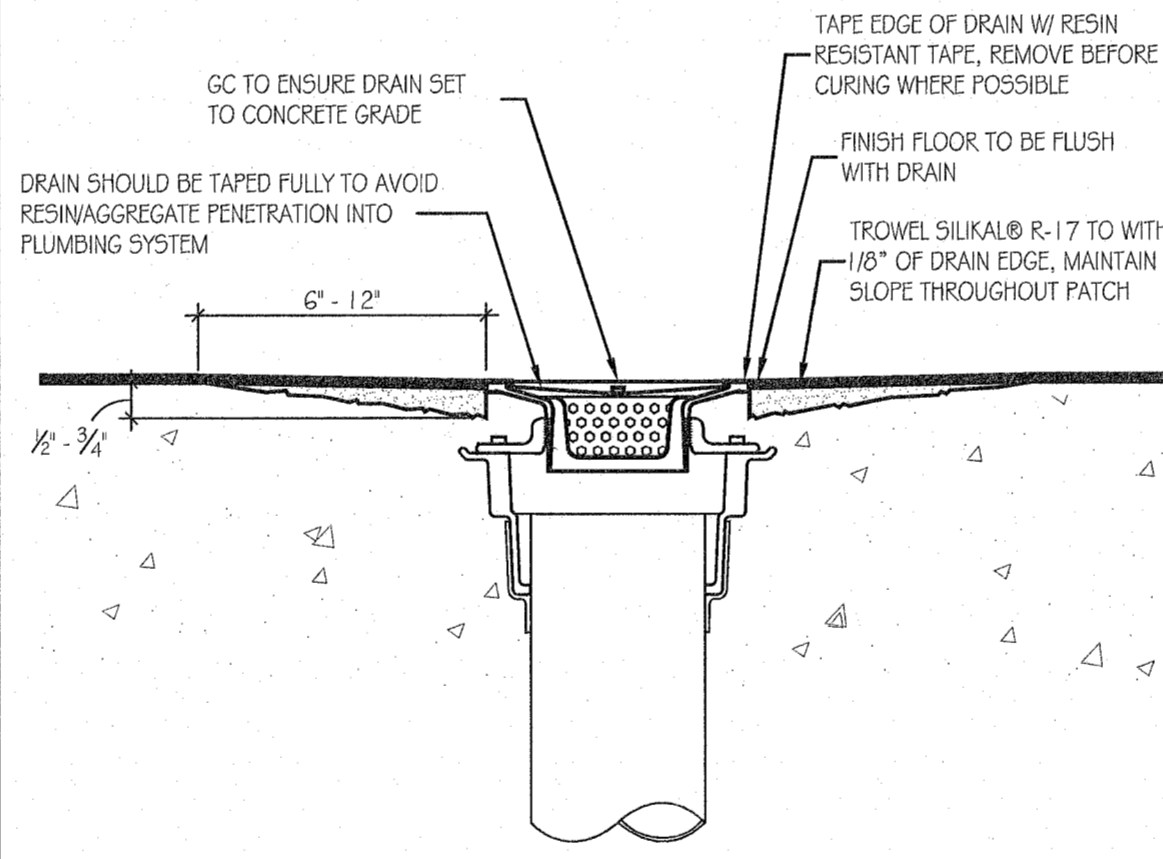
10 PERIMETER WALL BASE @ DINING - TYP.
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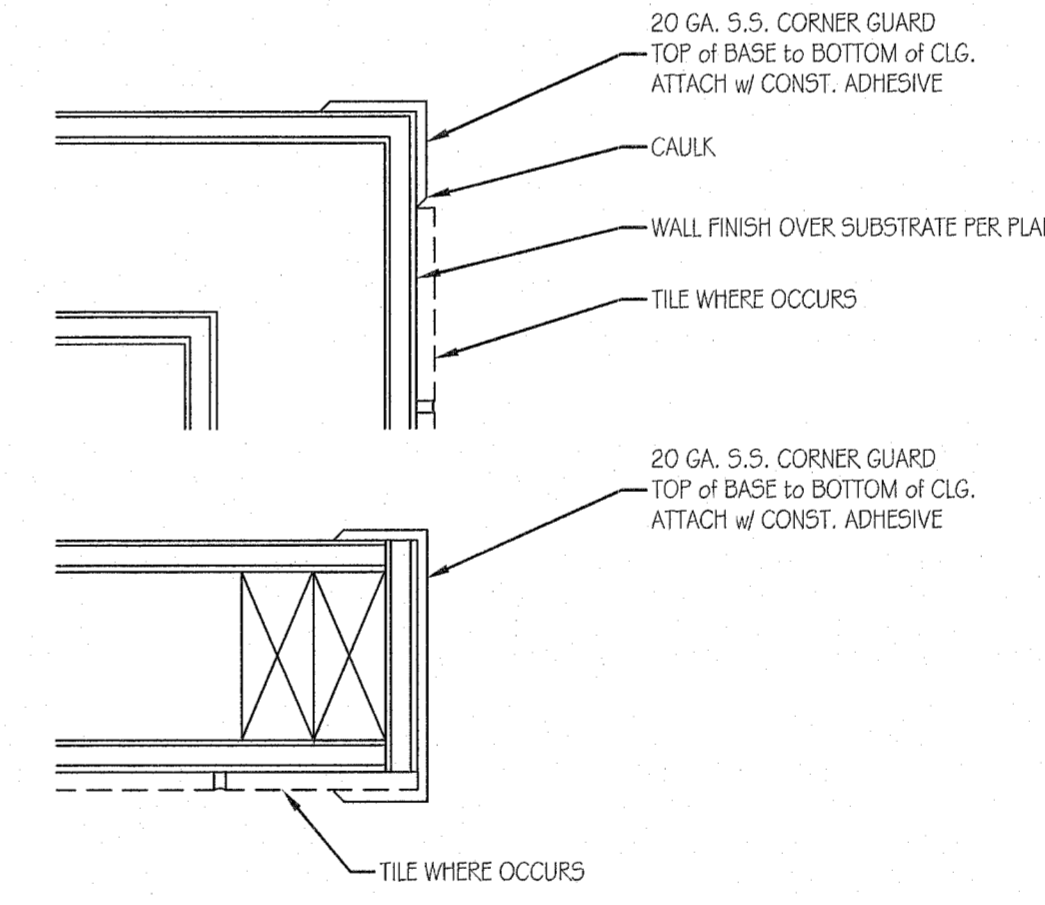
11 WALL BASE @ WALK-IN COOLER
SCALE: 3" = 1'-0"



12 RESIN FLOOR TO TILE TRANS. KEYWAY
SCALE: 3" = 1'-0"



13 RESIN FLOOR DRAIN / SINK DETAIL
SCALE: 3" = 1'-0"



14 CORNER & END WALL GUARD
SCALE: 3" = 1'-0"

15 NOT USED

16 NOT USED

17 NOT USED

18 NOT USED

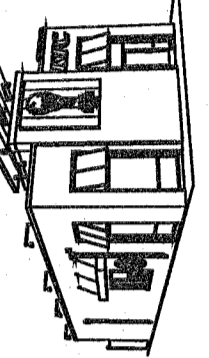
19 NOT USED

20 NOT USED

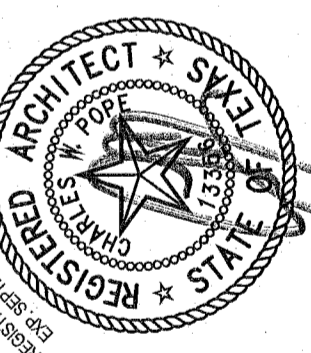
REVISIONS:

INTERIOR DETAILS

WPKFC Dugas
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MAY 16 2022

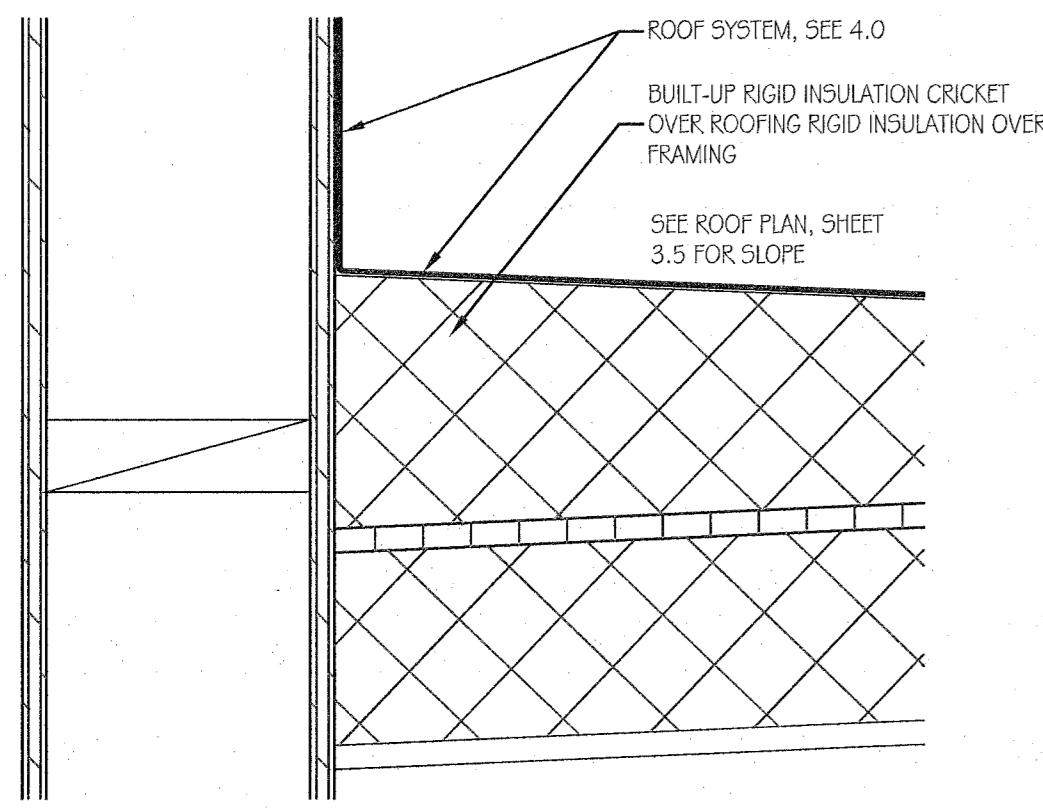


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7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

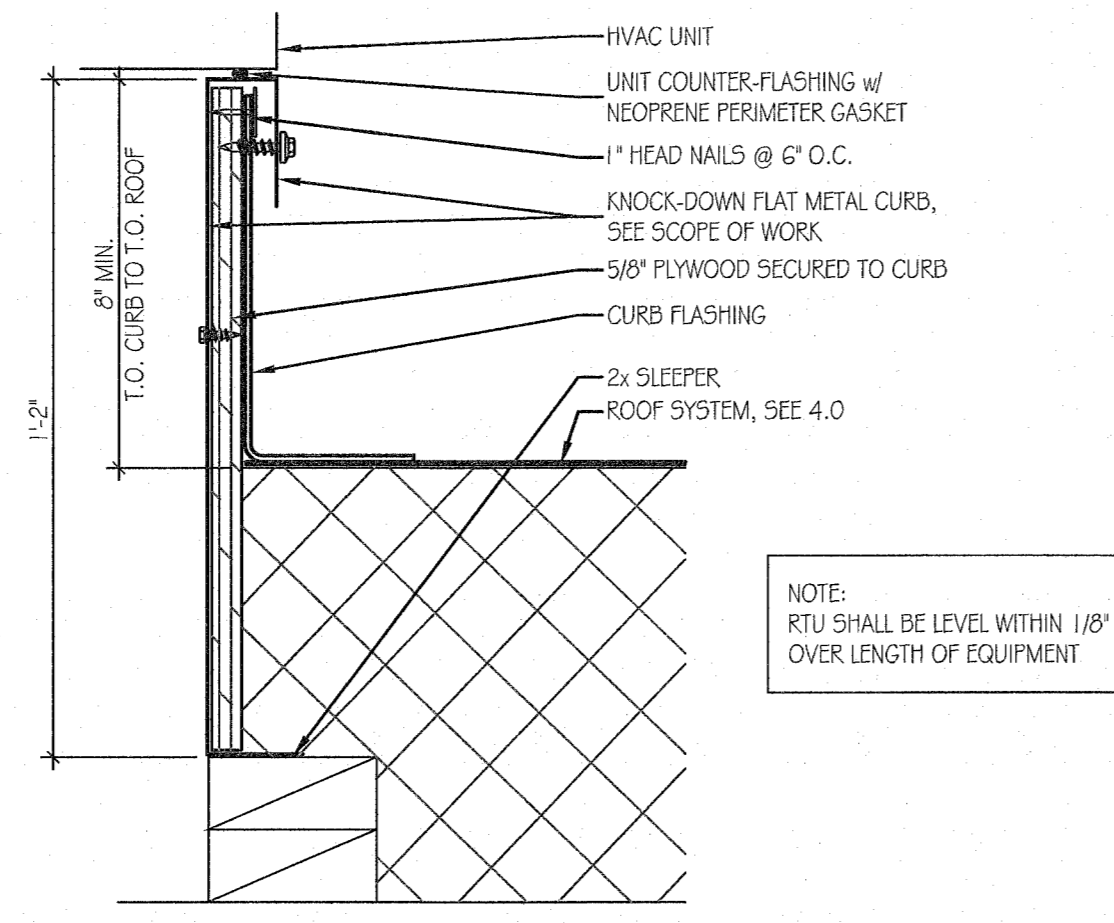
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JOB NO: 44343
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SHEET NUMBER:

4.4

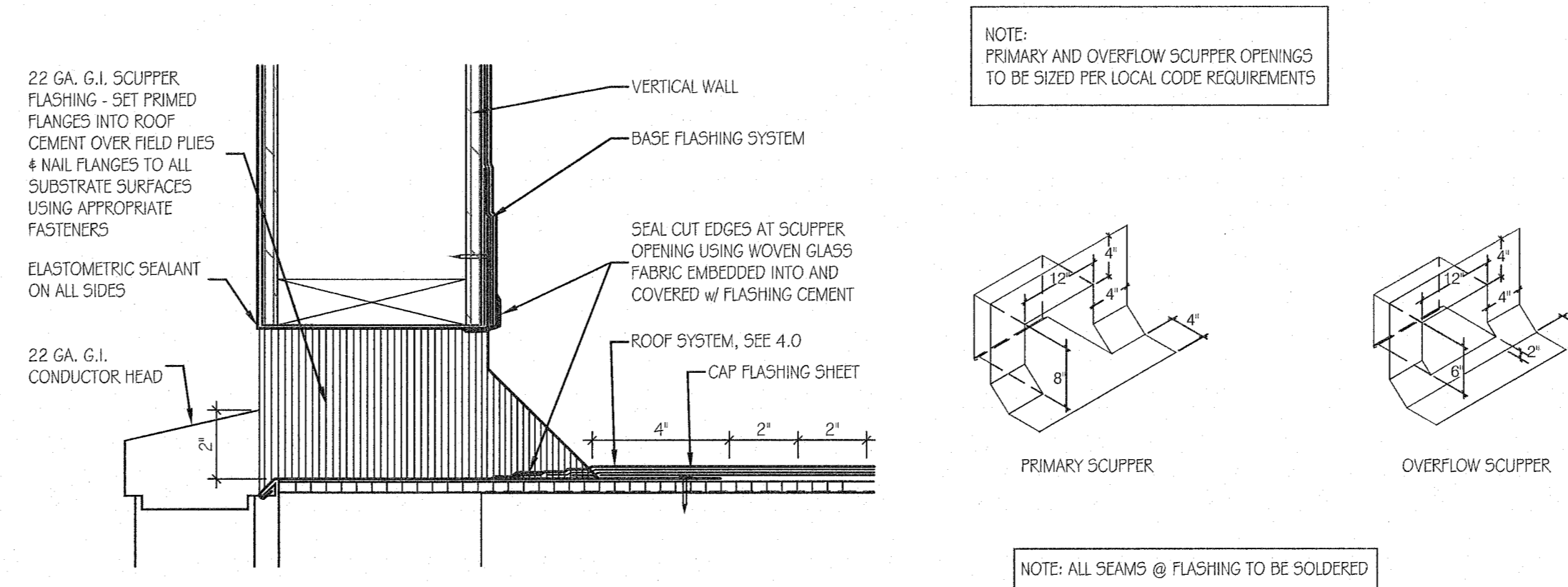
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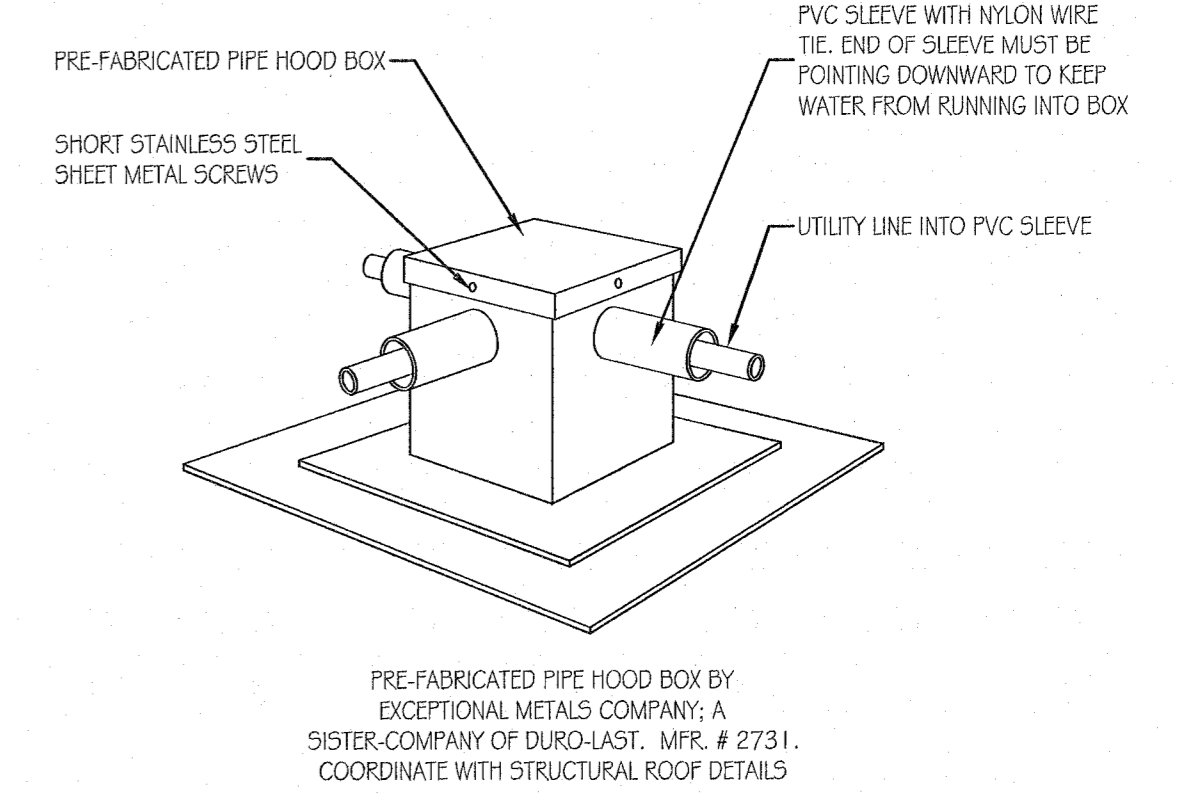
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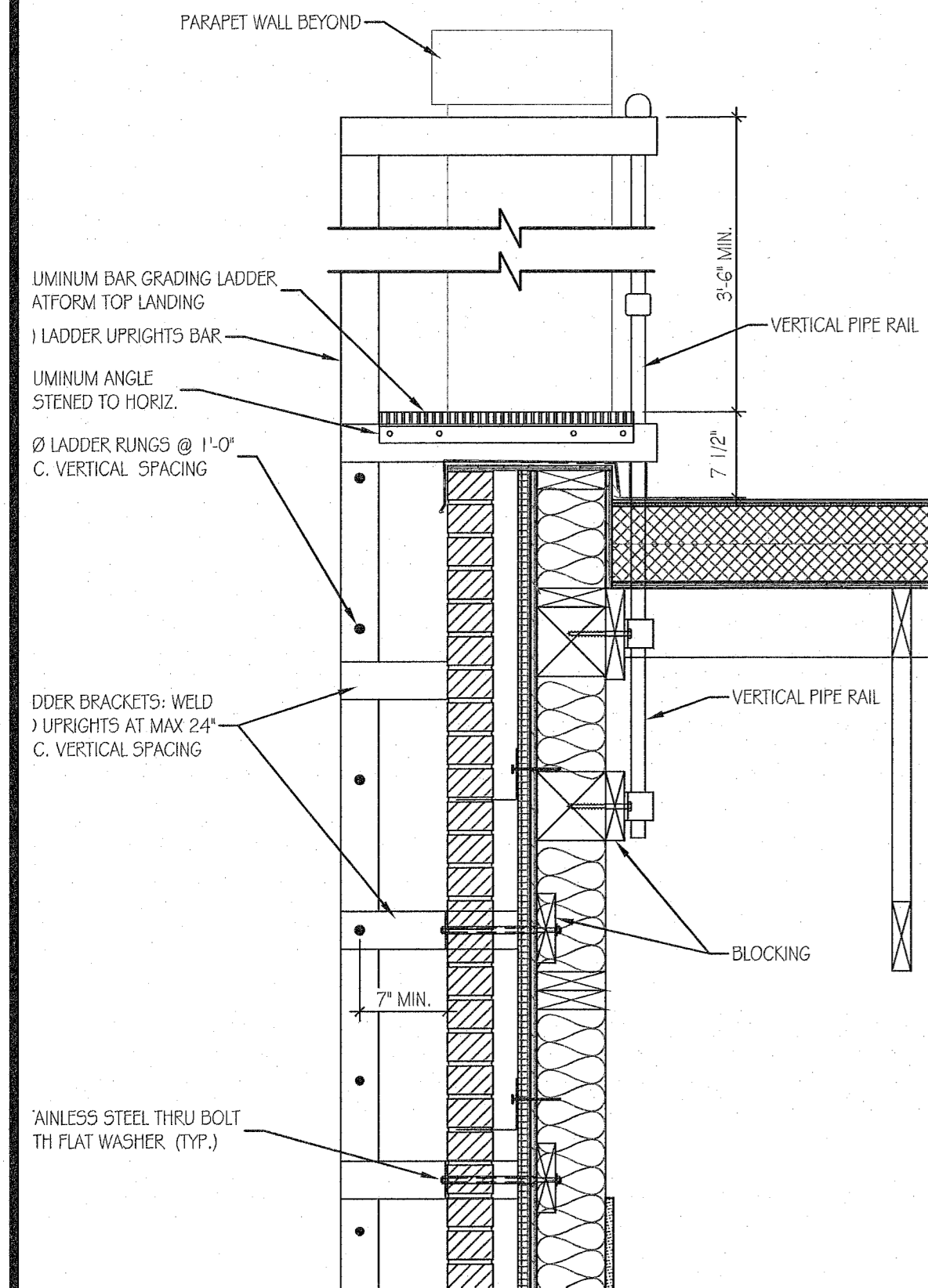
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3 SCUPPER DETAILS
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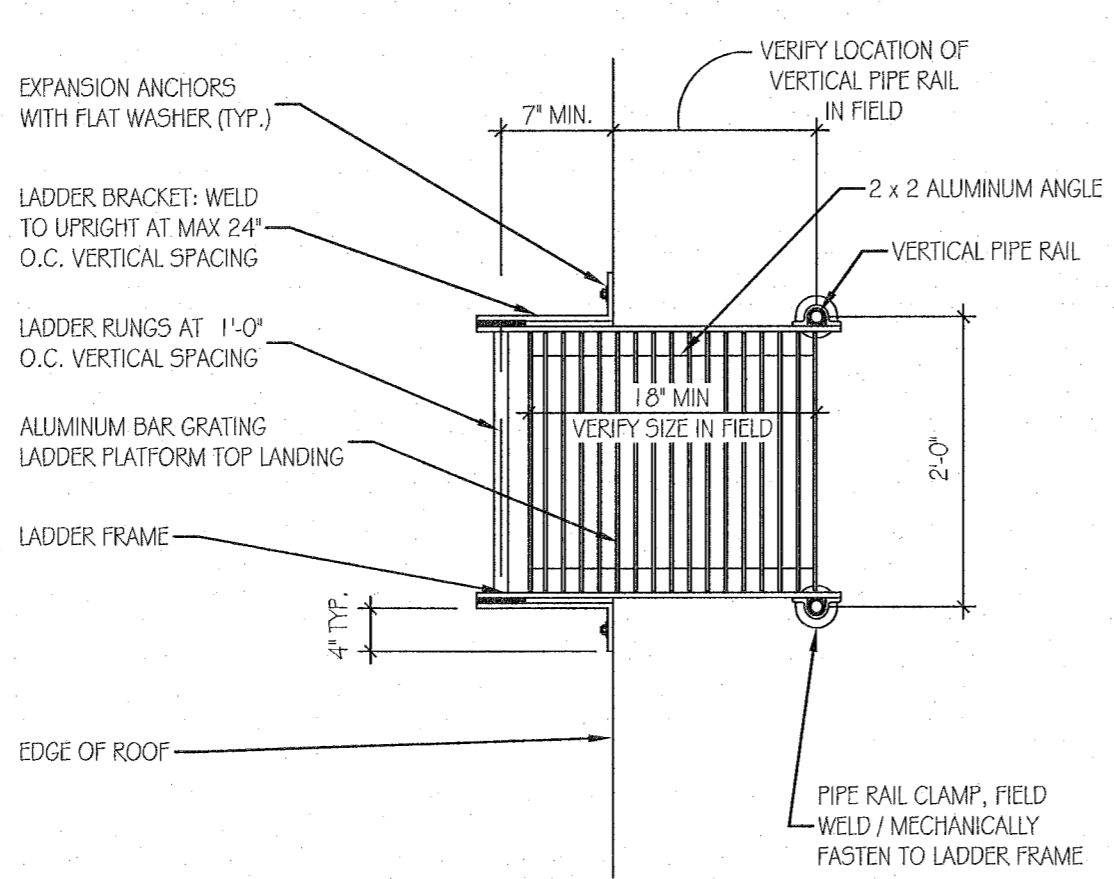


5 PIPE HOOD DETAIL
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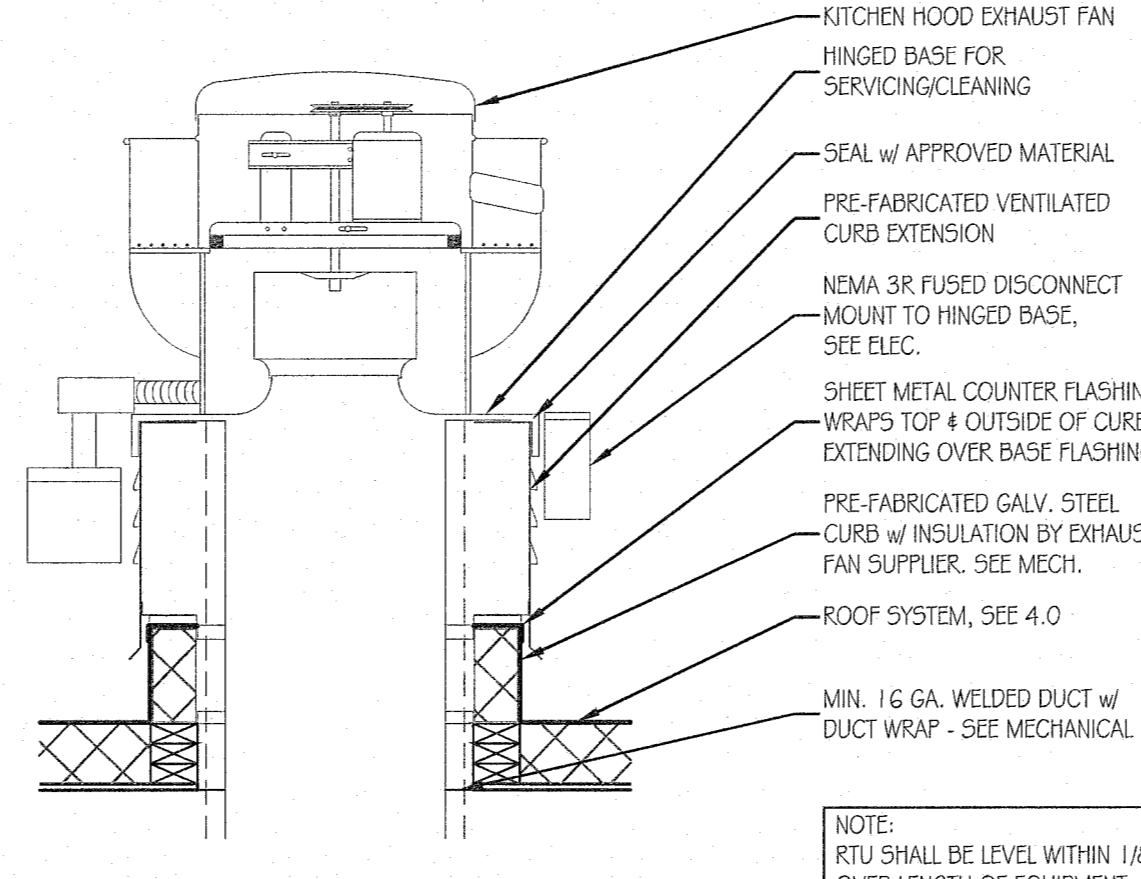


- LADDER NOTES:
- SUBMIT DRAWINGS AND CALCULATIONS IN COMPLIANCE WITH OSHA STANDARDS.
 - MATERIALS: ALUMINUM ALLOY WITH STAINLESS STEEL HARDWARE - GRIND WELDS SMOOTH.
 - RUNGS SHALL BE DESIGNED FOR A SINGLE CONCENTRATED LOAD OF 250 LBS APPLIED IN MIDDLE. RUNGS SHALL BE KNURLED OR PROVIDED WITH A SKID-RESISTANT MATERIAL TO MINIMIZE SLIPPING.
 - LADDER BRACKETS SHALL SUPPORT TWO 250 LB LOADS.

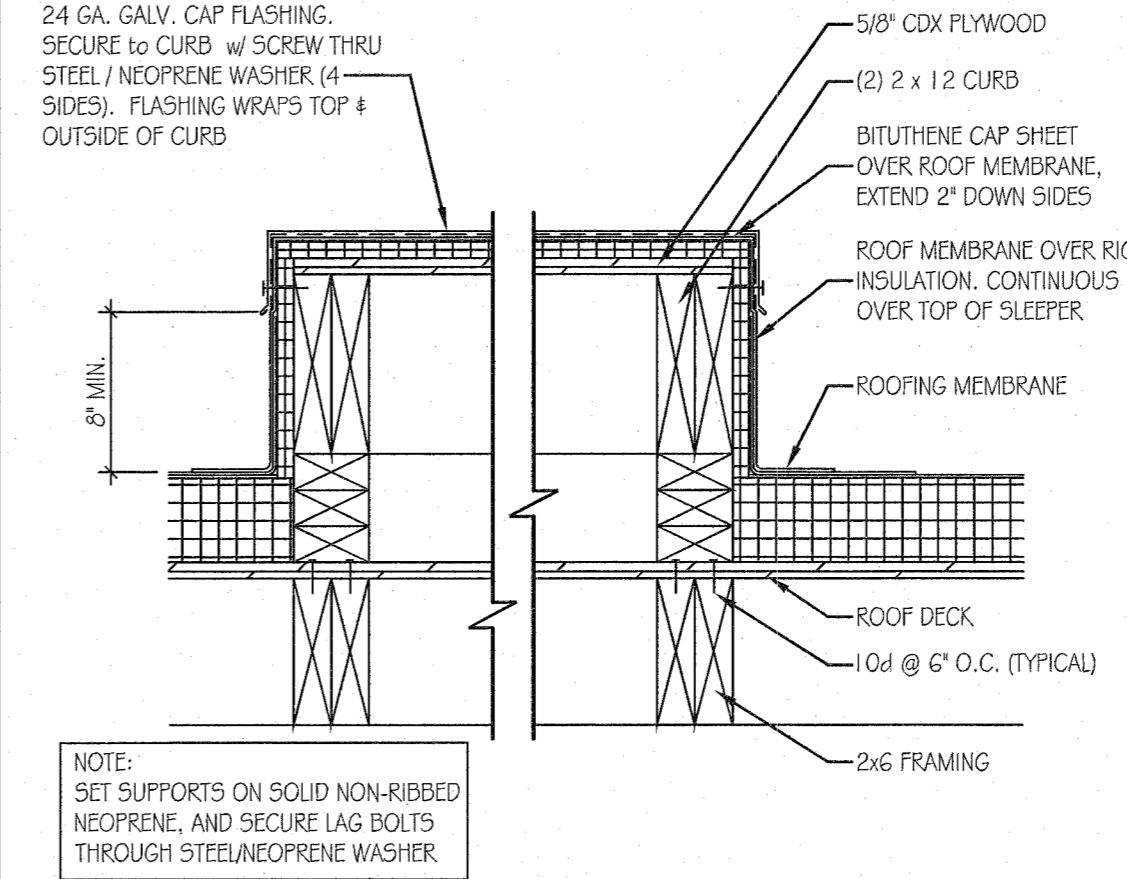
11 ROOF LADDER SECTION
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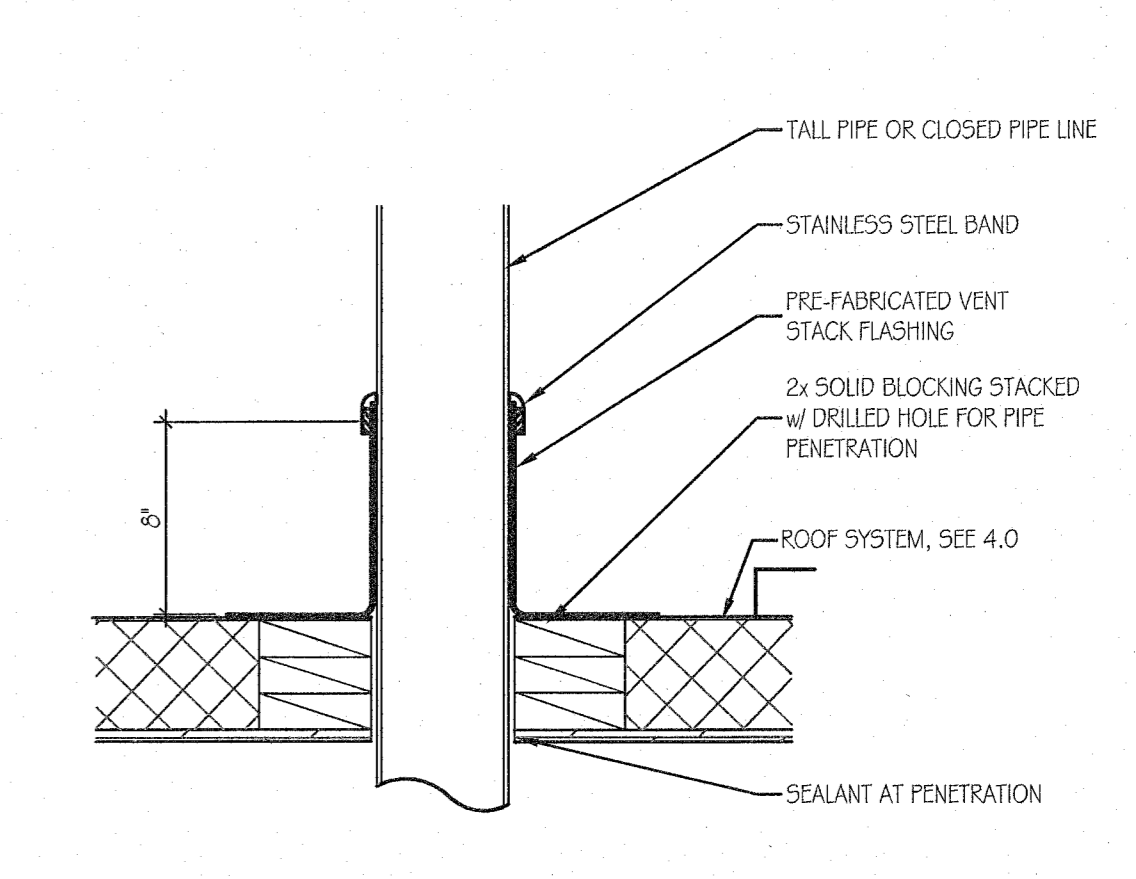
7 ROOF LADDER PLAN
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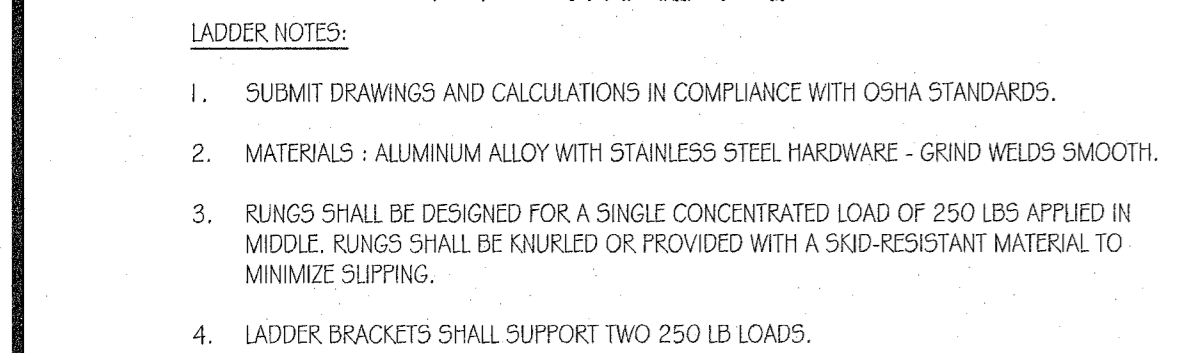
8 EXHAUST FAN CURB DETAIL
SCALE: 1 1/2" = 1'-0"



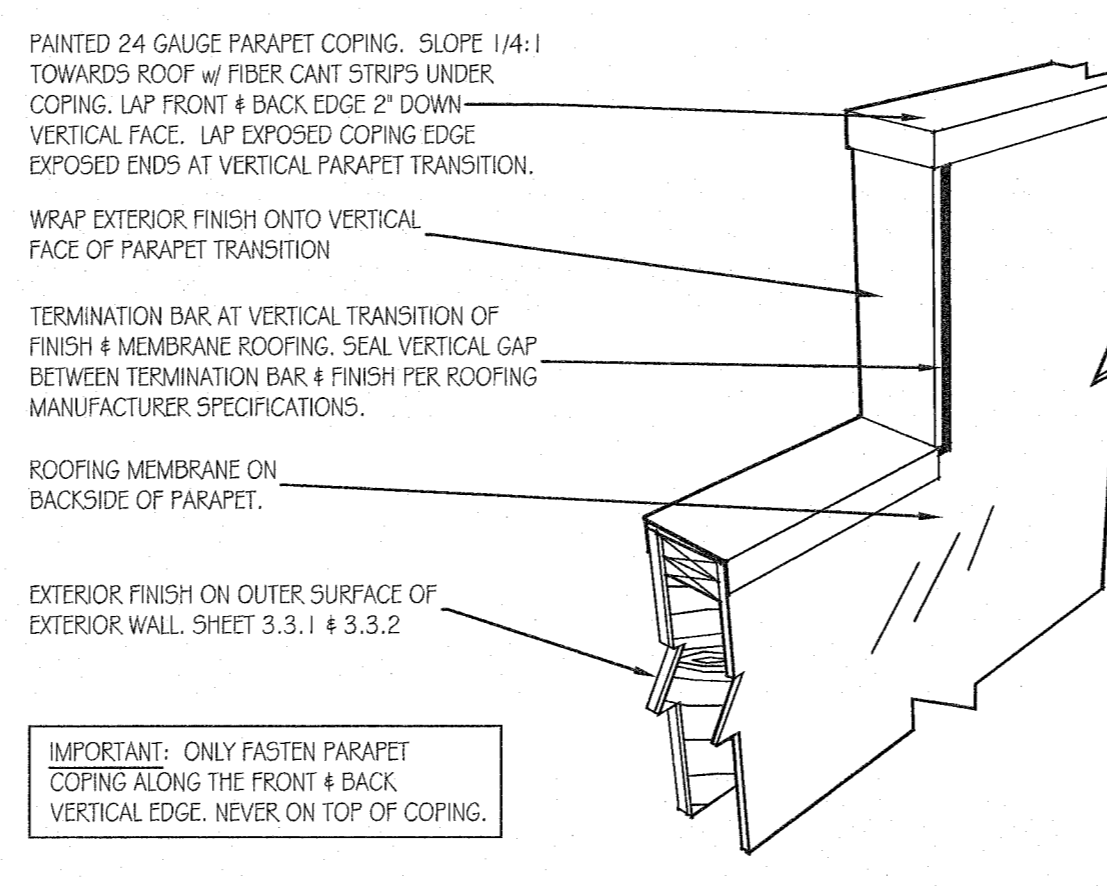
9 SLEEPER SUPPORT DETAIL
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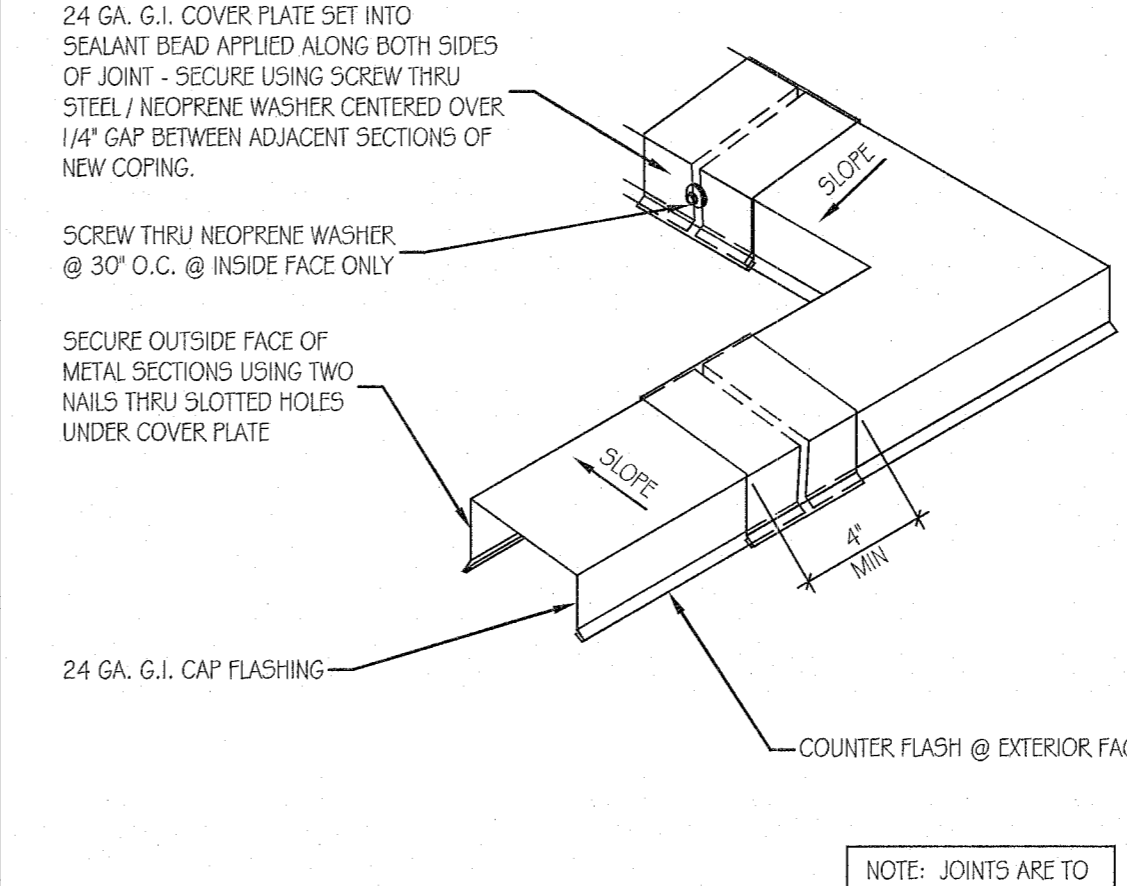
10 SEALED PIPE FLASHING DETAIL
SCALE: 1 1/2" = 1'-0"



12 PARAPET CAP TRANSITION-PRE WATERPROOFING
SCALE: NTS



13 PARAPET CAP TRANSITION
SCALE: NTS



14 COPING JOINT
SCALE: NTS

15 NOT USED

16 NOT USED

17 NOT USED

18 NOT USED

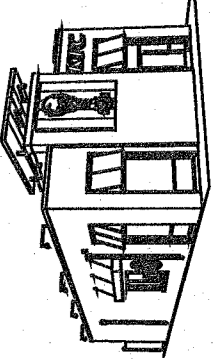
19 NOT USED

20 NOT USED

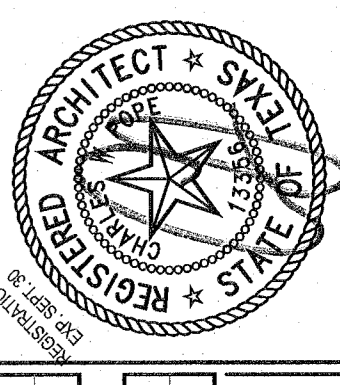
REVISIONS:

ROOF DETAILS

IKFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251



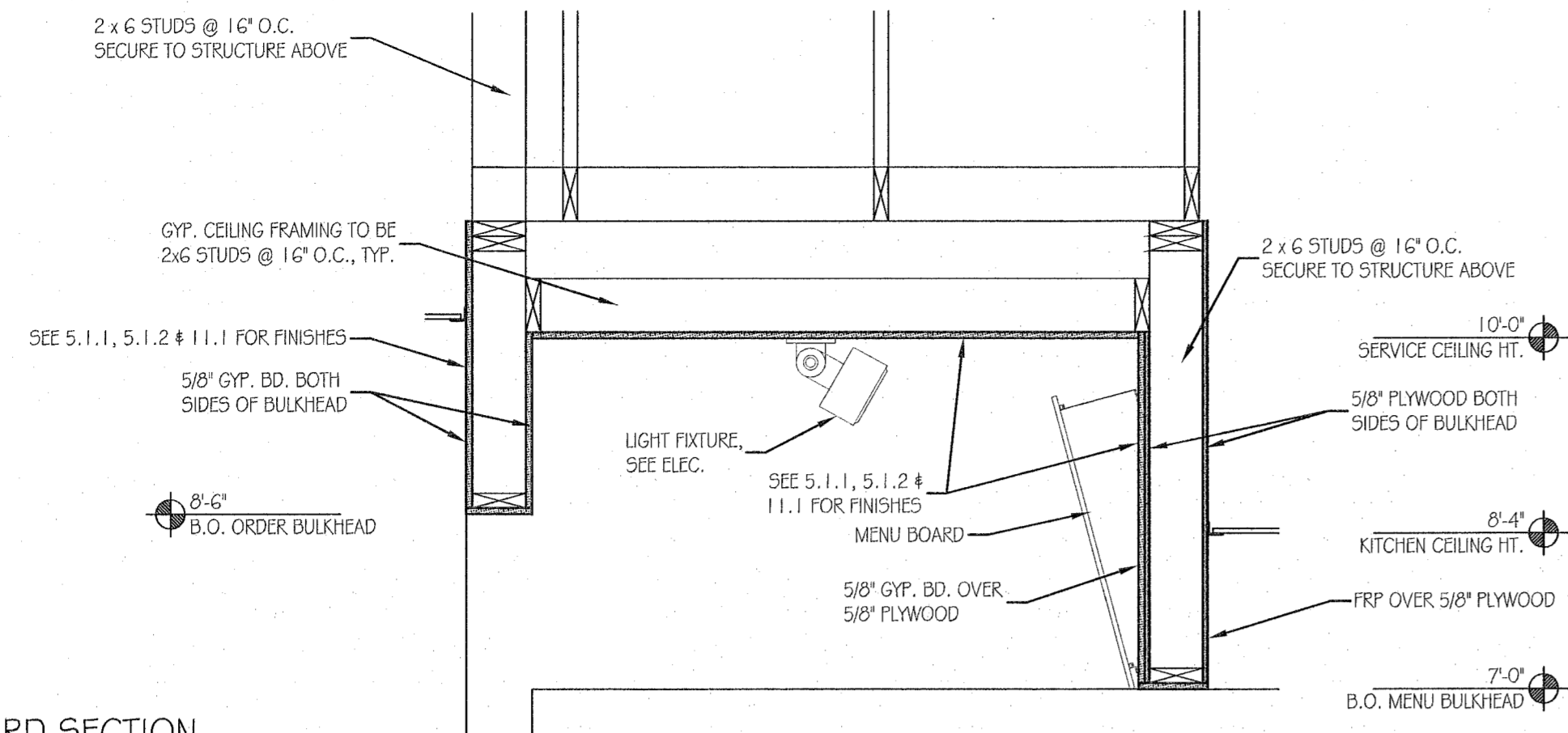
MAY 18 2022



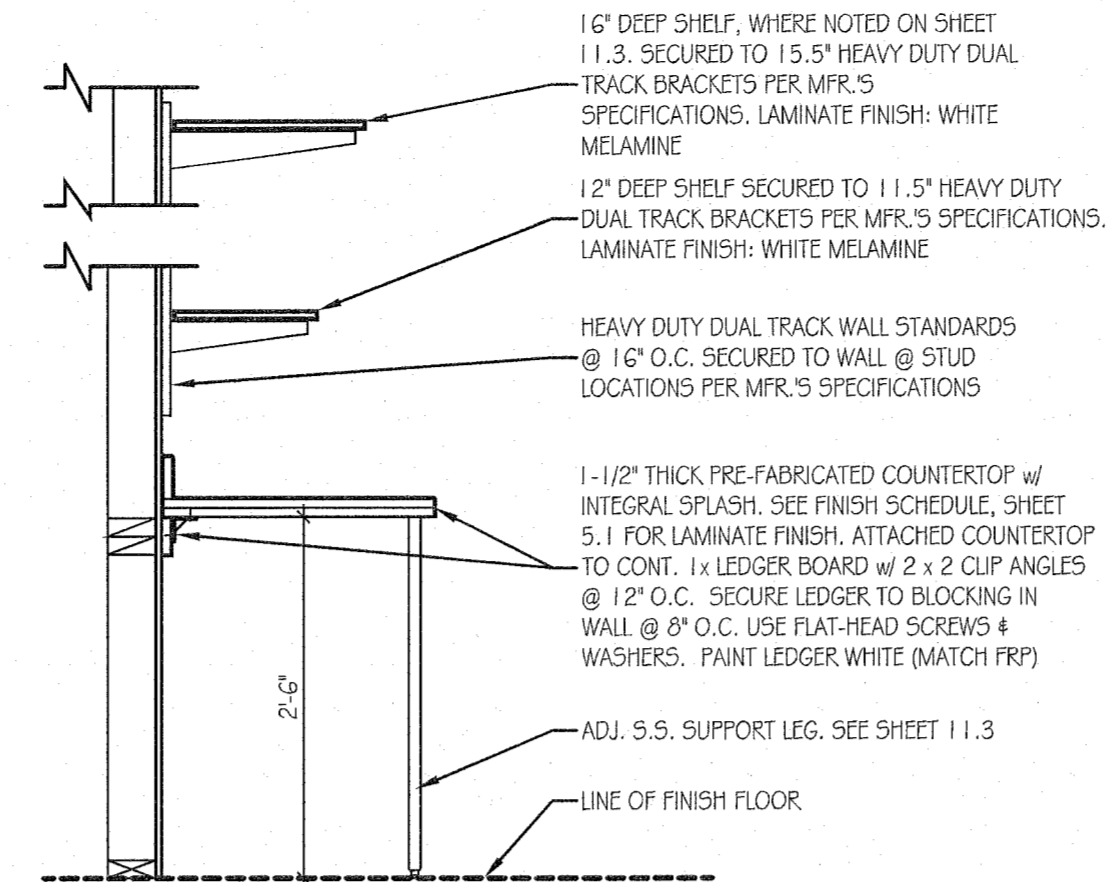
Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: [Signature]
SHEET NUMBER:

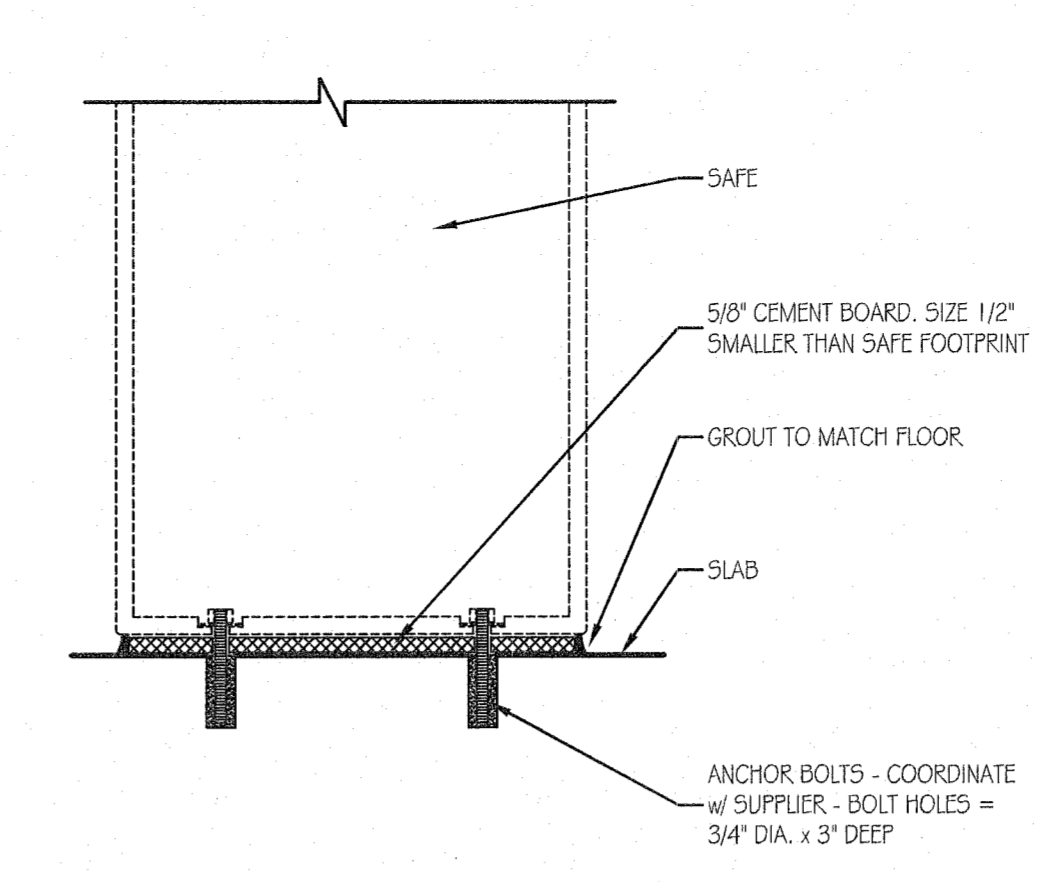
4.5



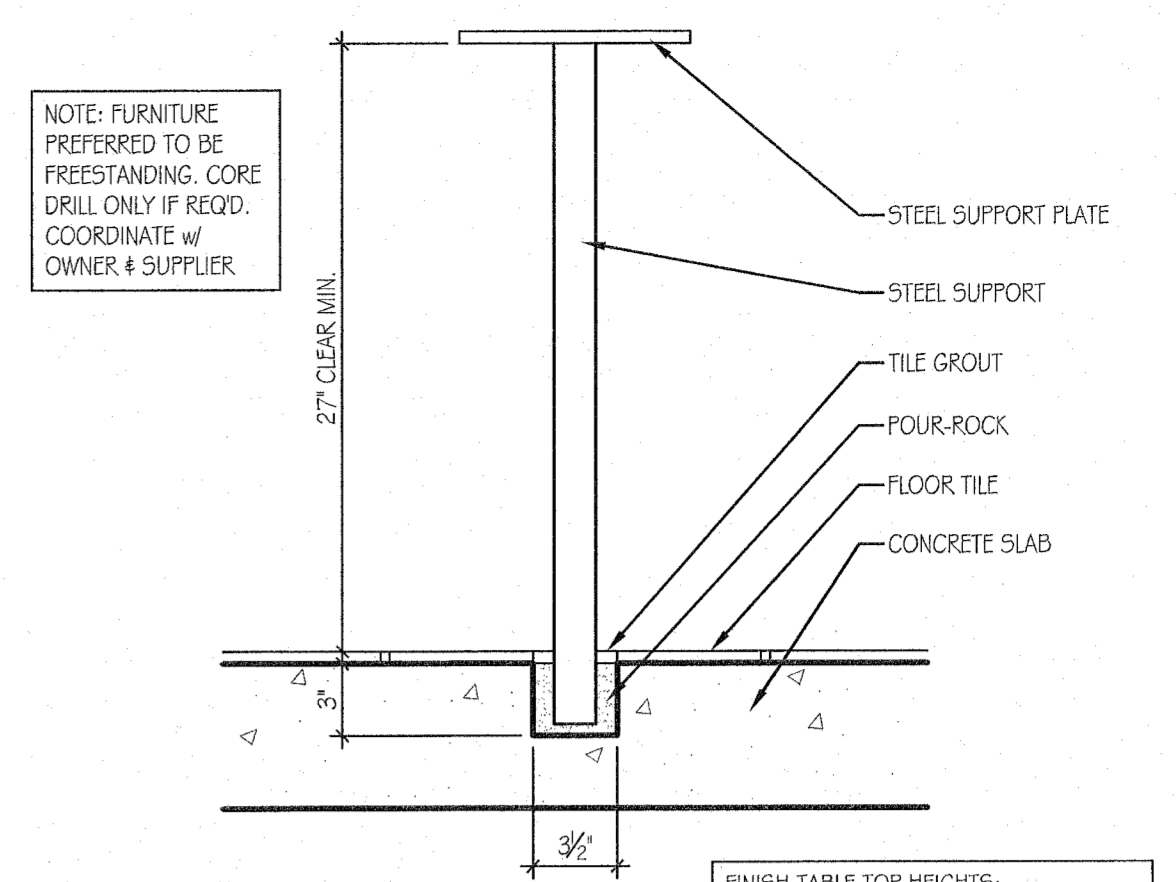
1 MENU BOARD SECTION
SCALE: 3/4" = 1'-0"



3 OFFICE COUNTER / SHELVING SECTION
SCALE: 3/4" = 1'-0"

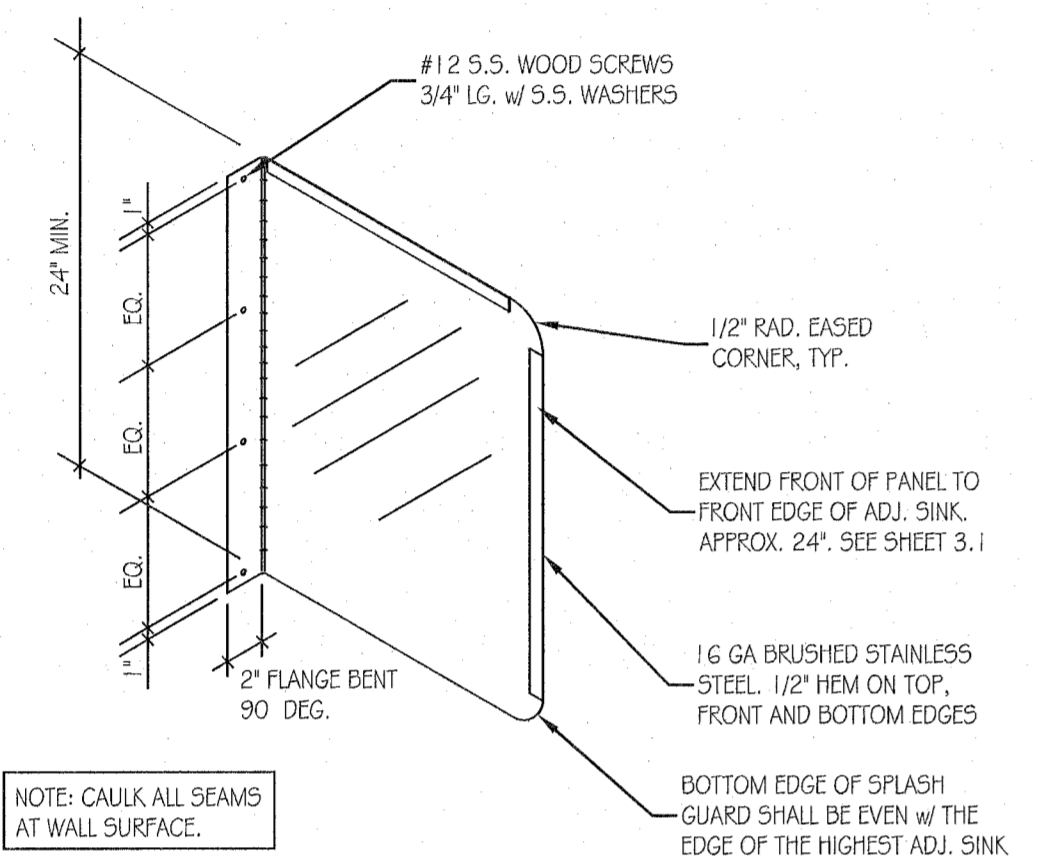


4 SAFE PEDESTAL
SCALE: 1 1/2" = 1'-0"

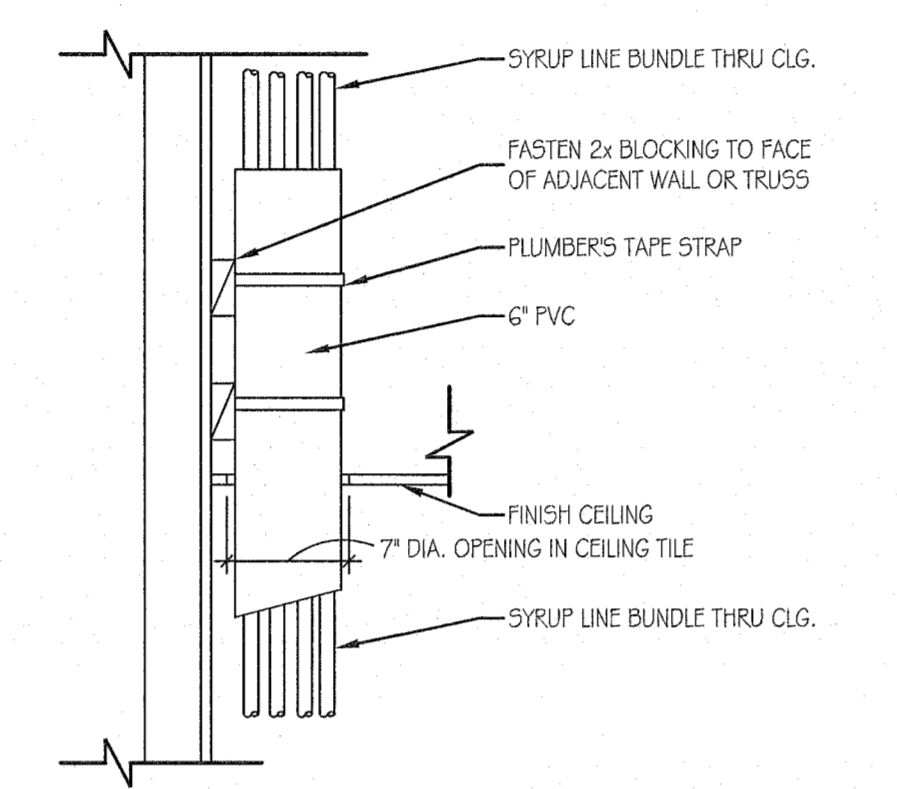


5 CORE DRILL (IF REQ'D)
SCALE: 1 1/2" = 1'-0"

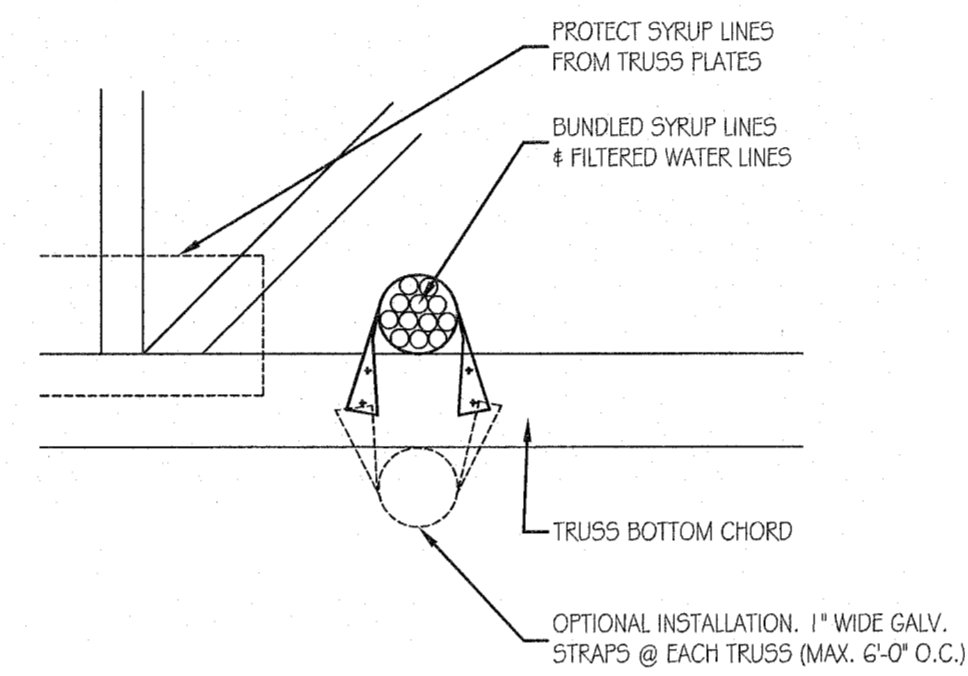
FINISH TABLE TOP HEIGHTS:
LOW TABLE TOP HEIGHT = 30" A.F.F.
(H) TABLE TOP HEIGHT = 42" A.F.F.
DINING COUNTER TOP HEIGHT = 42" A.F.F.



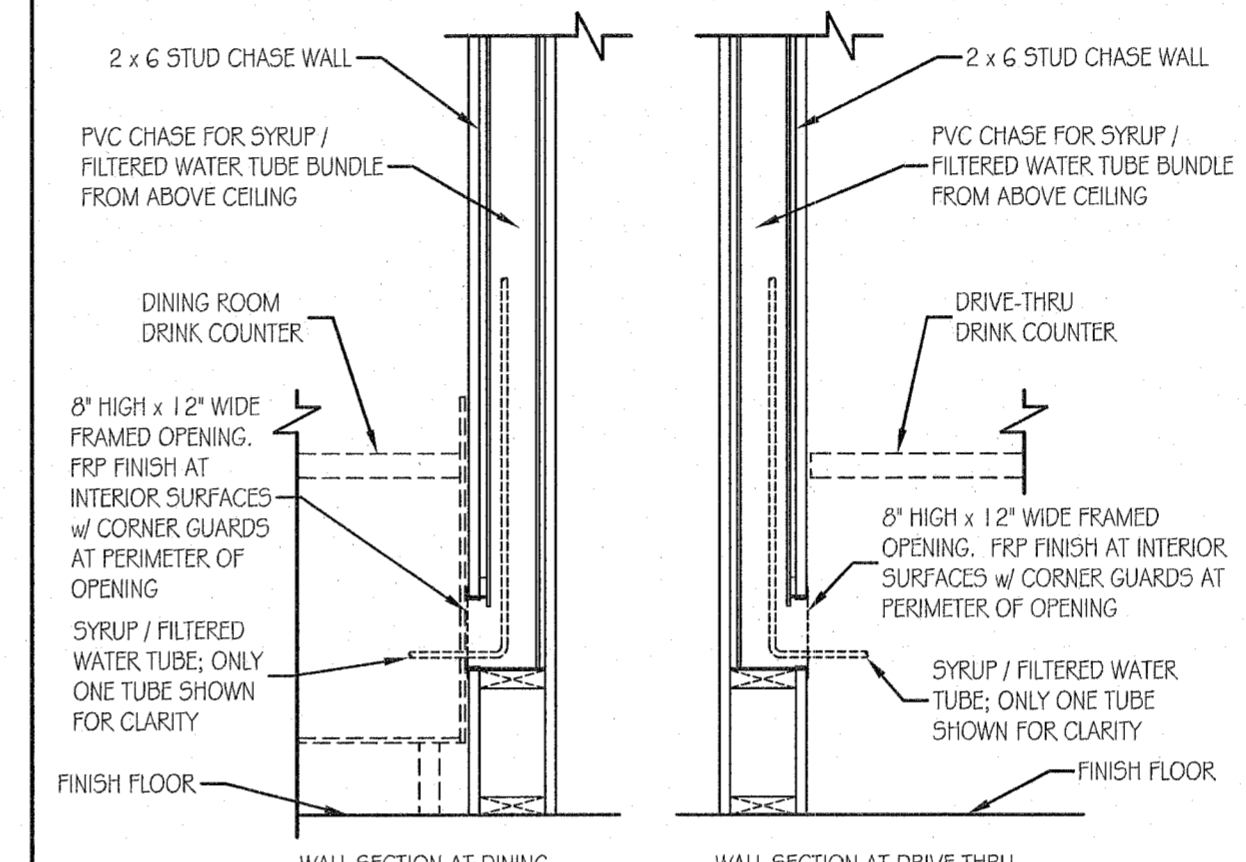
6 SPLASH GUARD
SCALE: NTS



7 SYRUP BUNDLE CEILING PENETRATION
SCALE: NTS



8 SYRUP LINE IN CEILING
SCALE: NTS



9 SYRUP CHASE IN WALL
SCALE: NTS

REVISIONS:

MISC DETAILS

WPKFC Dugas

Potranc Rd @ Dugas Rd, San Antonio, Tx. 78251

ARCHITECT * SYSTEMS

REGISTERED ARCHITECT

STATE OF TEXAS

NO. 1000000000

DATE: 05.18.22

JOB NO: 44343

DRAWN BY: [Signature]

SHEET NUMBER: 4.6

OF

DOOR SCHEDULE

Number	Type	Door			Frame			Fire Rating	Hardware Set	Details			Remarks
		Mat'l	Finish	Width	Height	Thick	Mat'l			Throat	Head	Jamb	
101A	A	AL	-	3'-0"	7'-0"	1-3/4"	AL		1				7,9,13,15,16
101B	A	AL	-	6'-0"	7'-0"	1-3/4"	AL		1				7,9,13,15,16
104	R	SC	pt-1	3'-0"	6'-8"	1-3/4"	HM		3				1,2,5,8,9,10,11,14
105	R	SC	pt-1	3'-0"	6'-8"	1-3/4"	HM		3				1,2,5,8,9,10,11,14
106	B	SC	pt-1	3'-0"	7'-0"	1-3/4"	HM		4				1,2,5,8,9
111	B	HM	-	3'-0"	7'-0"	1-3/4"	HM		5				6,9,12
112	C	-	-	3'-0"	7'-0"	1-3/4"	-		6				PRE-FAB COOLER DOOR
113	C	-	-	3'-0"	7'-0"	1-3/4"	-		6				PRE-FAB COOLER DOOR
114	C	-	-	3'-0"	7'-0"	1-3/4"	-		6				PRE-FAB FREEZER DOOR

DOOR SCHEDULE NOTES

- LAMINATE DOORS 104, 105, 106 SEE INTERIOR MATERIALS LEGEND ON 5.1.2
- ALL HM FRAMES SHALL BE 1 G GA STEEL U.O.N.
- ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYS ALIKE.
- PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
- MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
- COMPLETE DOOR, FRAME AND HARDWARE PACKAGE SHALL BE ORDERED THRU LOCKNET SECURITY DOORS, PART #093670L52VED.
- VISION PANEL (WITH 1/8 GA. HOLLOW METAL FRAME, CONTINUOUS HINGE, HEAVY DUTY CLOSER, RAIN DRIP, DOOR SWEEP / BOTTOM, BRUSH-TYPE DOOR SWEEP / BOTTOM (EXTERIOR SIDE), WEATHER-STRIP, KICK PLATE and PANIC HARDWARE.
- STOREFRONT ENTRY DOORS: PROVIDE PUSH / FULL PLATES. IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE DOR-Q-MATIC 2092 RIM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL. FLUSH BOLT ON INACTIVE LEAF, DEAD BOLT ON ACTIVE LEAF. PROVIDE A SIGN w/ 1" HIGH LETTERS ON CONTRASTING BACKGROUND NEAR THE LOCKING DEVICE STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"
- MOUNT KICKPLATE ON PUSH SIDE ONLY.
- SEE COVER SHEET 0.1 FOR MAXIMUM DOOR OPERATING PRESSURE.
- ADA COMPLIANT ACCESSIBILITY SIGNAGE, INCLUDE BRAILLE AS REQUIRED BY LOCAL JURISDICTION - (1) MEN; (1) WOMEN
- RESTROOM SIGN REQUIRED. VERIFY PER LOCAL REQUIREMENTS
- SECURITY DOOR FRAME SHALL BE PAINTED. REFER TO EXTERIOR ELEVATIONS
- ALUMINUM DOORS, HARDWARE, HINGES, SWEEPS, PUSH / FULL PLATES (VERIFY WITH LOCAL CODE), SHALL BE PROVIDED BY STOREFRONT SYSTEM SUPPLIER / INSTALLER.
- UNDERCUT DOOR 3/4" (TO ALLOW FOR RETURN AIR PASSAGE).
- PROVIDE BRUSH TYPE DOOR SWEEP AT ALL EXTERIOR DOOR LOCATIONS. DOOR SWEEP FINISH TO MATCH DOOR FINISH.
- BOTTOM RAIL OF STOREFRONT DOORS SHALL BE 1 1/2" HIGH / MINIMUM per ADA.
- COORDINATE WALL ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER
- UTILIZATION OF ALTERNATE TRAFFIC DOOR SHALL BE DETERMINED BY SITE-ADAPT CONSULTANT BASED ON LOCAL EGRESS REQUIREMENTS

HARDWARE SETS

NO.	TYPE	HINGES	LOCKSET	CLOSER	PUSH/PULL	KICKPLATE	THRESHOLD	WEATHERSTRIP	OTHER
1	ENTRY	VISTA OFFSET PIVOTS (T&B)	MS1850S 628 HOOKBOLT LOCK / ADAMS RITE 987 X 628 MORTISE CYLINDER & 4066 THUMBTURN CYLINDER / ADAMS RITE	1EA 3521 689 CLOSERS / YALE	2 EA PUSH-PULL SET BF15747/ROCKWOOD		1EA 2005AV THRESHOLD /PEMKO	PERIMETER SEAL BY DOOR MFG. 1 EA 345ANB BOTTOMPEMKO	4089 INDICATOR WITH SIGN / ADAMS RITE
2	DOUBLE ENTRY	VISTA OFFSET PIVOTS (T&B)	MS1850S 628 HOOKBOLT LOCK / ADAMS RITE 987 X 628 MORTISE CYLINDER & 4066 THUMBTURN CYLINDER / ADAMS RITE	2EA 3521 689 CLOSERS / YALE	2 EA PUSH-PULL SET BF15747/ROCKWOOD		1EA 2005AV THRESHOLD /PEMKO	PERIMETER SEAL BY DOOR MFG. 2 EA 345ANB BOTTOMPEMKO	4089 INDICATOR WITH SIGN / ADAMS RITE 2 EA 555 FLUSH-BOLTS/ROCKWOOD 1 EA 570 DUST STRIKE/ROCKWOOD
3	TOILET	3EA TA2714 4.5 X 4.5 652 HINGES / MCKINNEY	1EA AU 5402 628 PRIVACY SET/YALE	1EA 3501 689 CLOSERS / YALE		1EA K1050 10" X 2" LDW 630 KICKPLATE / ROCKWOOD			1 EA WALL STOP 409 630/RD 1 EA SEAL 888BL/PE
4	KITCHEN	3EA TA2714 4.5 X 4.5 652 HINGES / MCKINNEY	1EA D111 626 DEADBOLTYALE	1EA 3501 689 CLOSERS / YALE	1 EA 70E 32D PUSH PLATE/ROCKWOOD 1 EA PULL PLATE 111 X 70C 32D/ROCKWOOD	1EA K1050 34" X 2" LDW 630 ARMOR PLATE / ROCKWOOD			3 EA 608 SILENCERS/ROCKWOOD 1 EA 10-336 OH STOP 630/RXSON
5	EXIT	3EA TA43386 4.5 X 4.5 NRP 630 HINGES / MCKINNEY	1EA 2100 X 632F 630 EXITYALE	1EA 3521 689 CLOSER / SARGENT		1EA K1050 34" X 2" LDW 630 ARMOR PLATE / ROCKWOOD	1EA 2005AT THRESHOLD/PEMKO	1EA 303AV WEATHERSTRIP 1EA SWEEP 345ANB/PEMKO 1EA RAIN DRIP 346C/PEMKO	1EA PEEPHOLE 622 CRM/ROCKWOOD
6	COOLER								

MANUFACTURERS LISTED: MK - MCKINNEY I.D.C. - INTERNATIONAL DOOR CLOSERS SA - SARGENT FALCON AR - ADAMS RITE RO - ROCKWOOD PE-PEMKO NO-NORTON NGP-NATIONAL GUARD PRODUCT

All permanent locks shall be 6 pin Interchangeable Core provided and installed by the owner. Contractor to provide temporary cylinders for construction period.

FINISH SCHEDULE

NO.	ROOM	FLOOR	BASE	WALLS			CEILING			REMARKS	
				NORTH	EAST	SOUTH	WEST	MATL	FINISH		HEIGHT
101	DINING	t-4	b-4		p-4	sf-3, p-4	sf-3, wt-2, sf-5, p-4	cl-4	-	10'-2"	
102	CUSTOMER	t-4	b-4	sf-5, p-4, sf-2				cl-4	-	10'-2"	BULKHEAD AT 8'-0", PAINT p-6
103	HALL	t-2	b-2	p-8	p-8	p-8	p-8	cl-2	p-6	9'-0"	
104	MEN	t-2	b-2	wt-1	wt-1	wt-1	wt-1	cl-2	p-6	9'-0"	
105	WOMEN	t-4	b-4	wt-1	wt-1	wt-1	wt-1	cl-2	p-6	9'-0"	
106	SERVING	f-1	f-1	wt-2			p-4	cl-2	p-6	10'-0"	MENU BOARD BULKHEAD AT 7'-0", PAINT SOFFIT p-6
107	DRIVE-THRU	f-1	f-1	frp-1	frp-1	frp-1	frp-1	cl-3	-	9'-0"	BULKHEAD AT 8'-0", PAINT SOFFIT p-6
108	KITCHEN	f-1	f-1	frp-1	frp-1	frp-1	frp-1	cl-3	-	8'-4"	
109	OFFICE	f-1	f-1	frp-1	frp-1			cl-3	-	8'-4"	
110	WASH	f-1	f-1		frp-1	frp-1	frp-1	cl-3	-	8'-4"	
111	PREP	f-1	f-1			frp-2	frp-2	cl-3	-	8'-4"	
112	COOLER	f-1	f-1						-		PRE-FINISHED COOLER
113	FREEZER	-	-						-		PRE-FINISHED FREEZER. FREEZER FLOOR AND BASE FURNISHED BY MANUFACTURER.
114	PRODUCE	f-1	f-1						-		PRE-FINISHED COOLER

GENERAL NOTES

- INSTALL FRP ON KITCHEN SIDE OF SERVING COUNTER WALL.
- GALV. STEEL WALL AND CEILING FINISHES BY W/M/F BOX MFR.
- REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF TILE AND FRP.
- FOR FINISH LOCATIONS REFER TO: SHEETS 3.3.1 & 3.3.2 - EXTERIOR ELEVATIONS; SHEET 5.3 - FLOOR FINISH PLAN; SHEET 3.2 - REFLECTED CEILING PLAN; SHEETS 3.4, 11.1, 11.2 & 11.3 - INTERIOR ELEVATIONS
- APPROVED PAINT MANUFACTURERS: BENJAMIN MOORE
- ALL PAINTED SURFACES SHALL HAVE A SMOOTH TEXTURE

GYP. BD. TYPE

LOCATION	TYPE	MFG. / PRODUCT	REMARKS
WALLS WITH TILE	AQUA TOUGH; THICKNESS 5/8"	USG	PROVIDE CEMENT BOARD UP TO 24" A.F.F.
GENERAL LOCATIONS	TYPE 'X', THICKNESS 5/8"	USG	

NOTE: ALL SHEETROCK TO BE TYPE 'X'

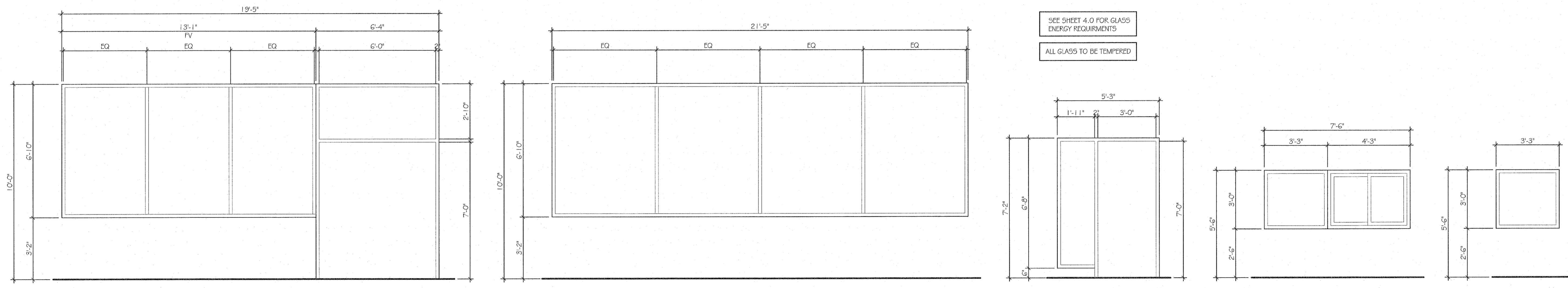
CONTACTS

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KURT MCCLELLAND
PHONE: 800.635.5147
CELL PH: 502.640.1608
EMAIL: KURT.MCCLELLAND@BENJAMINMOORE.COM

CREATIVE MATERIALS CORPORATION (CMC)
DEIRDRE SCHUTH
PHONE: 518.713.5384
EMAIL: DSCHUTH@CREATIVEMATERIALSCORP.COM

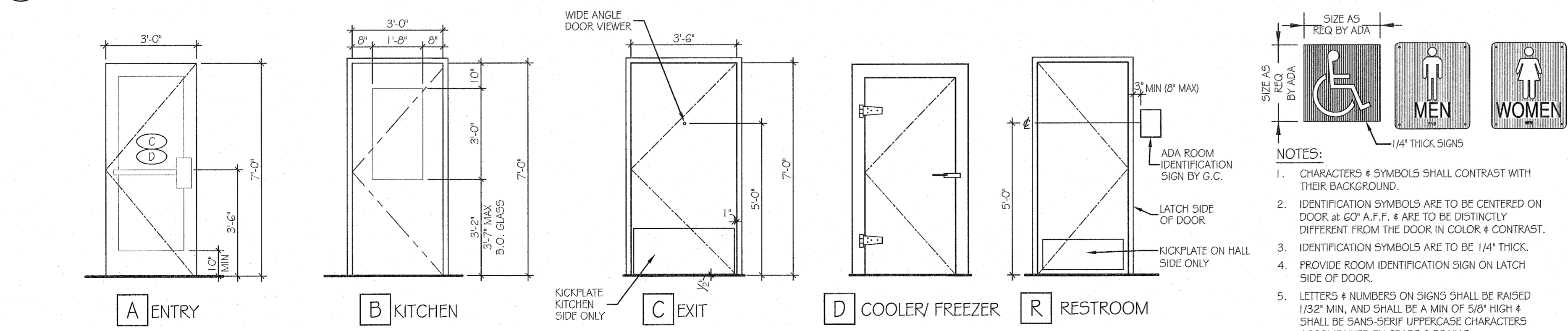
JOHNSONITE
SCOTT STERIMMEYER
PHONE: 800.899.8916 EXT. 5759
CELL PH: 713.254.9791
EMAIL: SCOTT.STERIMMEYER@JOHNSONITE.COM

MARLITE
DAN EGBERS
PHONE: 330.343.6621
CELL PH: 330.260.7633
EMAIL: DEGBERS@MARLITE.COM



2 WINDOW ELEVATIONS

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



1 DOOR ELEVATIONS

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

GENERAL NOTES:

- LOW-E COATING APPLICATION TO GLAZING IS OPTIONAL / RECOMMENDED TO REDUCE SOLAR HEAT GAIN AND ENERGY USE. COORDINATION OF LOW-E COATING APPLICATION SHALL BE DETERMINED BY THE SITE-ADAPT CONSULTANT, GLAZING SUPPLIER AND (ANY) MUNICIPAL REQUIREMENTS.
 - NOT USED.
 - VERIFY ANY SITE-SPECIFIC REQUIREMENTS FOR TEMPERED GLASS (PER LOCAL CODE).
 - OPTIONAL INTERIOR WINDOW SHADES:
ROLL - A - SHADE
3" BOTTOM FASCIA SYSTEM
OYSTER EDGE
5% LIGHT PASS-THRU
METAL PULL STRING
 - VERIFY LOCATION / QUANTITY / EXTENT WITH OWNER
- KEYNOTES:**
- (A) 1" INSULATED GLASS; TYPE GL-3. SEE GENERAL NOTE 2, THIS SHEET.
 - (B) 1" INSULATED TEMPERED GLASS; TYPE GL-3. SEE GENERAL NOTE 2, THIS SHEET.
 - (C) 1/2" TEMPERED GLASS; TYPE GL-2. SEE GENERAL NOTE 3, THIS SHEET.
 - (D) LOW-E COATING. SEE GENERAL NOTE 1, THIS SHEET.

GENERAL NOTES:

- DIMENSIONS ON THIS DWG. ARE TO FRAME EDGE. REFER TO SHEETS 3.1 & TYPICAL BUILDING SECTIONS SHEETS 4.2.1 & 4.2.2 FOR ROUGH OPENING DIMENSIONS.
- SEE SCHEDULE FOR GLASS TYPES.
- REFER TO FLOOR PLAN, ELEVATIONS AND WALL SECTIONS FOR ROUGH OPENING DIMENSIONS.
- ALL STOREFRONT MATERIAL AND GLAZING SHALL BE SUPPLIED AND INSTALLED BY G.C. U.O.N.
- ALL STOREFRONT AND DRIVE-THRU WINDOW FRAMES SHALL BE CLEAR ANODIZED (SILVER). DRIVE THRU WINDOW 120> SHALL BE CLEAR ANODIZED.
- ALL HARDWARE SHALL BE US32D U.O.N.
- ALL EXTERIOR DOORS SHALL RECEIVE A PEST CONTROL DOOR SWEEP (AT BOTTOM / OUTSIDE FACE OF DOOR). COLOR TO MATCH EXTERIOR DOOR FINISH. SEE DOOR SCHEDULE MISCELLANEOUS ITEM 3, THIS SHEET. SWEEP IS INTEGRAL WITH SECURITY DOOR. SWEEPS PROVIDED BY STOREFRONT SYSTEM SUPPLIER.

REVISIONS:

DOOR & WINDOW ELEVS / ROOM FINISH & DOOR SCHED.

KFC Dugas

Potrero Rd @ Dugas Rd, San Antonio, Tx. 78251

MAY 18 2022

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: [Signature]
SHEET NUMBER: **5.1.1**

ARTWORK SCHEDULE

SITE SIGNAGE		
TAG	ITEM DESCRIPTION	ELEC
S12a	PYLON SIGN	YES
S25	NAVIGATIONAL SIGN	NO
B7d	DT CLEARANCE BAR	NO
B4e	ORDER CANOPY	YES
S15b	MENU BOARD	YES
S14a	WAYFINDING SIGNS (Welcome)	NO
S14b	WAYFINDING SIGNS (Thank You)	NO
S14c	WAYFINDING SIGNS (Enter)	NO
S14d	WAYFINDING SIGNS (Exit)	NO
S14e	WAYFINDING SIGNS (Do not enter)	NO
S16b	PREVIEW BOARD	YES
S17a	THIRD PARTY SIGN (DELIVERY DRIVER SIGN - if spots provided)	NO
S17b	CURBSIDE SIGN (QUICK PICK-UP PARKING SIGN - if spots provided)	NO

EXTERIOR GRAPHICS		
TAG	ITEM DESCRIPTION	ELEC
B1c	STRIPED BANNER PANELS - SIGNAGE BY VENDOR	YES
B3e	DT CANOPY (TRED) - SIGNAGE VENDOR	YES
B9a	QUICK PICK UP CANOPY (RED - DT SIDE) SIGNAGE BY VENDOR	YES
B9b	L-SHAPE FRONT CANOPY (RED) - SIGNAGE BY VENDOR	YES
S3a	KFC LETTERS (RED) - 30' Primary Trademark	YES
S21b	COLONEL FACE @ BANNER PANELS	NO
S26	ORIGINAL RECIPE FEATURE	NO
S27a	ONLINE ORDER PICKUP - canopy face vinyl	NO
S27c	ONLINE PICKUP ARROW EMBLEM - Wall @ pick up entry	NO
S28	11 HERBS & SPICES -stencil	NO
S29	MADE FRESH EVERY DAY- stencil	NO
S30	KENTUCKY FRIED CHICKEN LETTERS	YES
S31a	ALL MY CHICKEN POSTER (W/FRAME)	NO
S31b	ORDER AHEAD POSTER (W/FRAME)	NO
S31c	FAST EASY PICK UP POSTER (W/FRAME)	NO
S31d	BEST INVENTION POSTER (W/FRAME)	NO

INTERIOR GRAPHICS		
TAG	ITEM DESCRIPTION	ELEC
G9a	STORE HOURS	NO
G10d	RESTROOM GRAPHICS	NO
G11a	COLONEL'S OFFICE SIGN	NO
G12	RESTROOM MIRROR MESSAGE	NO
G15 a-f	BOH ARTWORK PACKAGE	NO
G30	ONLINE ORDER PICK-UP SIGN	NO
G31	DRINK GRAPHIC	NO
G32a	POSTER FRAME	NO
G33	SKIP THE LINE PICK-UP GRAPHIC	NO
G34	FOOD ART COLLAGE	NO
G35	WELCOME TRANSOM VINYL	NO
G36	COLONEL SIGNATURE (Etched look VINYL - on 1/2 wall glass screens	NO

- GENERAL NOTES**
- INSTALL FRP ON KITCHEN SIDE OF SERVING COUNTER WALL.
 - GALV STEEL WALL AND CEILING FINISHES BY WIC / WIF BOX MFR.
 - REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF TILE AND FRP.
 - FOR FINISH LOCATIONS REFER TO: SHEETS 3.3.1, 3.3.2 - EXTERIOR ELEVATIONS SHEET 5.2 - FLOOR FINISH PLAN SHEET 3.2 - REFLECTED CEILING PLAN SHEETS 3.4, 11.1, 11.2, 11.3 - INTERIOR ELEVATIONS
 - APPROVED PAINT MANUFACTURERS: BENJAMIN MOORE.
 - ALL PAINTED SURFACES SHALL HAVE A SMOOTH TEXTURE.

INTERIOR FINISH SCHEDULE

FLOOR TILE		PAINT		CEILINGS			
DESCRIPTION	ALTERNATE / NOTE	DESCRIPTION	ALTERNATE / NOTE	DESCRIPTION			
t-1	NOT USED.	p-1	MFR.: BENJAMIN MOORE TYPE: AURA EXTERIOR PAINT COLOR: EXOTIC RED 2086-10 LOCATION: EXTERIOR NOTE: LOW LUSTRE (634)	MASONRY SUBSTRATE PRIMER: N068 GLAZED TILE SUBSTRATE PRIMER: SXA-110	cl-4	MFR.: ARMSTRONG TYPE: FINE FISSURED, # 928; SQUARE EDGE COLOR: GREY STONE GRID: FRELUE 1 STANDARD DUTY LOAD - GREY STONE EXPOSED TEE NOTE: FLAME SPREAD RATING 0-25, CLASS A	
t-2	MFR.: DAL TILE TYPE: QUIETREAD 1.0 GLAZED PORCELAIN INTENSITY PORCELAIN COLOR: 12" X 12" SIZE: CBP PRISM #540 TRUFFLE GROUT:	LOCATION: RESTROOMS SEE TILE SUPPLIER CONTACT INFORMATION, THIS SHEET.	p-2	MFR.: BENJAMIN MOORE TYPE: REGAL SELECT PAINT COLOR: WEDDING VEIL 2125-70 LOCATION: EXTERIOR NOTE: LOW LUSTRE (N401)	MASONRY SUBSTRATE PRIMER: N068 GLAZED TILE SUBSTRATE PRIMER: SXA-110	cl-2	MFR.: GYPSUM BOARD TYPE: 1/2" THICK COLOR: SEE SHEET A7.1 NOTE: OVER 2x FRAMING AT 24" O.C. COORDINATE FRAMING WITH MECHANICAL AND ELECTRICAL FIXTURES.
t-3	MFR.: DAL TILE TYPE: QUIETREAD QUARRY COLOR: CHARCOAL OQ96 SIZE: 6" x 6" GROUT: CBP PRISM #540 TRUFFLE	LOCATION: KITCHEN WALK-IN CHICKEN COOLER WALK-IN VEGGIE COOLER	p-3	MFR.: BENJAMIN MOORE TYPE: AURA EXTERIOR PAINT COLOR: BLACK HORIZON 2132-30 LOCATION: EXTERIOR NOTE: LOW LUSTRE (634)		cl-3	MFR.: ACOUSTIFLEX CORP. TYPE: CAPUAL VINYL ROCK #1140, WHITE, WASHABLE, NON-PERFORATED SIZE: 24" x 48" x 1/2" GRID: WHITE SUSPENDED GRID w/ALUM. FACE NOTE: FLAME SPREAD RATING 0-25, CLASS A
t-4	MFR.: DAL TILE TYPE: MERONA N032PLK840MT GLAZED CERAMIC COLOR: MR43 GREY, MATTE SIZE: 8" x 40" x 3/16" THICK GROUT: CBP PRISM #540 TRUFFLE	LOCATION: DINING REFER TO FINISH FLOOR PLAN FOR PATTERN	p-4	MFR.: BENJAMIN MOORE TYPE: PRECATALYZED EPOXY COLOR: LaPALOMA GRAY 1551 LOCATION: INTERIOR WALLS - EGG SHELL (V342) DOORS & FRAMES - SEMI GLOSS (V341)		SOLID SURFACE	
f-1	MFR.: SILIKAL TYPE: ACRYLIC RESIN COLOR: QUARTZ BLEND #1, 50% ORANGE 30% OXIDE RED, 20% BLACK w/ 6" COVE BASE		p-5	MFR.: BENJAMIN MOORE TYPE: PRECATALYZED EPOXY COLOR: ONYX 2133-10 LOCATION: INTERIOR WALLS - EGG SHELL (V342) DOORS & FRAMES - SEMI GLOSS (V341)	ss-1		

BASE TILE		PAINT		
DESCRIPTION	ALTERNATE / NOTE	DESCRIPTION	ALTERNATE / NOTE	
b-1	MFR.: DAL TILE TYPE: MERONA GLAZED CERAMIC #N032PLK840MT COLOR: MR43 GREY, MATTE SIZE: 8" x 40" x 3/16"	LOCATION: DINING CUT TILE TO 6" H. FOR BASE. PLACE CUT EDGE OF TILE TOWARDS FLOOR	p-6	MFR.: BENJAMIN MOORE TYPE: PRECATALYZED EPOXY COLOR: WEDDING VEIL 2125-70 LOCATION: INTERIOR WALLS - EGG SHELL (V342) DOORS & FRAMES - SEMI GLOSS (V341)
b-2	MFR.: DAL TILE TYPE: COLOR WHEEL LINEAR - COVE BASE COLOR: ARCTIC WHITE 0190 (GLOSS) SIZE: 4" x 12" x 3/8" GROUT: CBP PRISM #546 CAPE GRAY	LOCATION: RESTROOMS SEE TILE SUPPLIER CONTACT INFORMATION, THIS SHEET.	p-7	MFR.: BENJAMIN MOORE TYPE: AURA EXTERIOR PAINT COLOR: ONYX 2133-10 LOCATION: EXTERIOR NOTE: LOW LUSTRE (634)
b-3	MFR.: DAL TILE TYPE: SANITARY COVE COLOR: MATCH (1-3) FLOOR TILE SIZE: 5" x 6" GROUT: CBP PRISM #546 CAPE GRAY	LOCATION: KITCHEN WALK-IN CHICKEN COOLER WALK-IN VEGGIE COOLER	p-8	MFR.: BENJAMIN MOORE TYPE: AURA INTERIOR PAINT COLOR: EXOTIC RED 2086-10 LOCATION: HALLWAY - EGG SHELL (V342)
b-4	MFR.: JOHNSONITE TYPE: MILLWORK WALL BASE MANDALAY COLOR: 40 BLACK SIZE: 6" TOELESS - .375" w x 6" h	LOCATION: DINING ROOM BASE	PLASTIC LAMINATE	

WALL TILE		PAINT		
DESCRIPTION	ALTERNATE / NOTE	DESCRIPTION	ALTERNATE / NOTE	
w-1	MFR.: DAL TILE TYPE: COLOR WHEEL LINEAR (GLAZED) COLOR: ARCTIC WHITE 0190 MATTE SIZE: 4" x 8" x 3/8" GROUT: CBP PRISM #546 CAPE GRAY	LOCATION: RESTROOMS SEE TILE SUPPLIER CONTACT INFORMATION, THIS SHEET. REFER TO INTERIOR ELEVATIONS FOR PATTERN.	p-1	MFR.: TBD TYPE: HORIZONTAL GRADE LAMINATE COLOR: TO MATCH BM ONYX 2133-10
w-2	MFR.: DAL TILE TYPE: COLOR WHEEL LINEAR COLOR: DESERT GREY X714 (MATTE) SIZE: 4" x 12" x 3/8" GROUT: CBP PRISM #546 CAPE GRAY	LOCATION: MENU BOARD BULKHEAD AND SERVICE COUNTER WALLS. REFER TO INTERIOR ELEVATIONS	METAL	
			m-1	MFR.: TBD MATERIAL: METAL FINISH: TO MATCH BM EXOTIC RED 2086-10
			m-2	MFR.: TBD MATERIAL: METAL FINISH: TO MATCH BM WEDDING VEIL 2125-70

SPECIAL FINISH		PAINT		
DESCRIPTION	ALTERNATE / NOTE	DESCRIPTION	ALTERNATE / NOTE	
sf-1	MFR.: JAMES HARDIE TYPE: HARDIPANEL (BOARD AND BATTEN) COLOR: PRIMED FOR PAINT FINISH: SMOOTH CONTENT: ACRYLIC RESIN AND NATURAL MATERIAL	www.jameshardie.com HARDIE PANEL VERTICAL SIDING - SMOOTH	CONTACT INFORMATION	
sf-2	MFR.: CREATIVE PALETTE TYPE: FAUX BRICK WALL MATERIAL COLOR: RED SPECIALTY: PRE-PRINTED MURAL	ORDERED BY DECOR SUPPLIER INSTALLED BY GENERAL CONTRACTOR		
sf-3	MFR.: CREATIVE PALETTE TYPE: FAUX BRICK WALL MATERIAL COLOR: RED	ORDERED BY DECOR SUPPLIER INSTALLED BY GENERAL CONTRACTOR		
sf-5	MFR.: MILLWORK VENDOR TYPE: BOARD & BATTEN WAINSCOT COLOR: WHITE FINISH:			

CEILINGS		CONTACT INFORMATION	
DESCRIPTION	ALTERNATE / NOTE	COMPANY / CONTACT	COMPANY / CONTACT
		PAINT BENJAMIN MOORE KURT MCCLELLAND PHONE: 800.635.5147 CELL PH: 502.640.1608 EMAIL: KURT.MCCLELLAND@BENJAMINMOORE.COM	BELDEN BRICK CO DIVISION 4 INC. CONTACT: JIM STRADLEY PHONE: 513-396-7625 E-MAIL: STRADS@DIVISION4.COM
		JOHNSONITE SCOTT STERTMEYER PHONE: 800.899.8916 EXT. 5759 CELL PH: 713.254.9791 EMAIL: SCOTT.STERTMEYER@JOHNSONITE.COM	MARLITE CONTACT: DAN EGBERS PHONE: 330.343.6621 CELL PH: 330.260.7633 EMAIL: DEGBERS@MARLITE.COM
		DAL TILE CONTACT: TIM PHOENIX CELL PH: 802.343.3656 EMAIL: TIM.PHOENIX@DAL TILE.COM	

REVISIONS:

INTERIOR FINISH & ARTWORK SCHEDULES

KFC Dugas

Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

MAY 18 2022

REGISTERED ARCHITECT & SYMBIOTIC

Charles William Pope & Associates

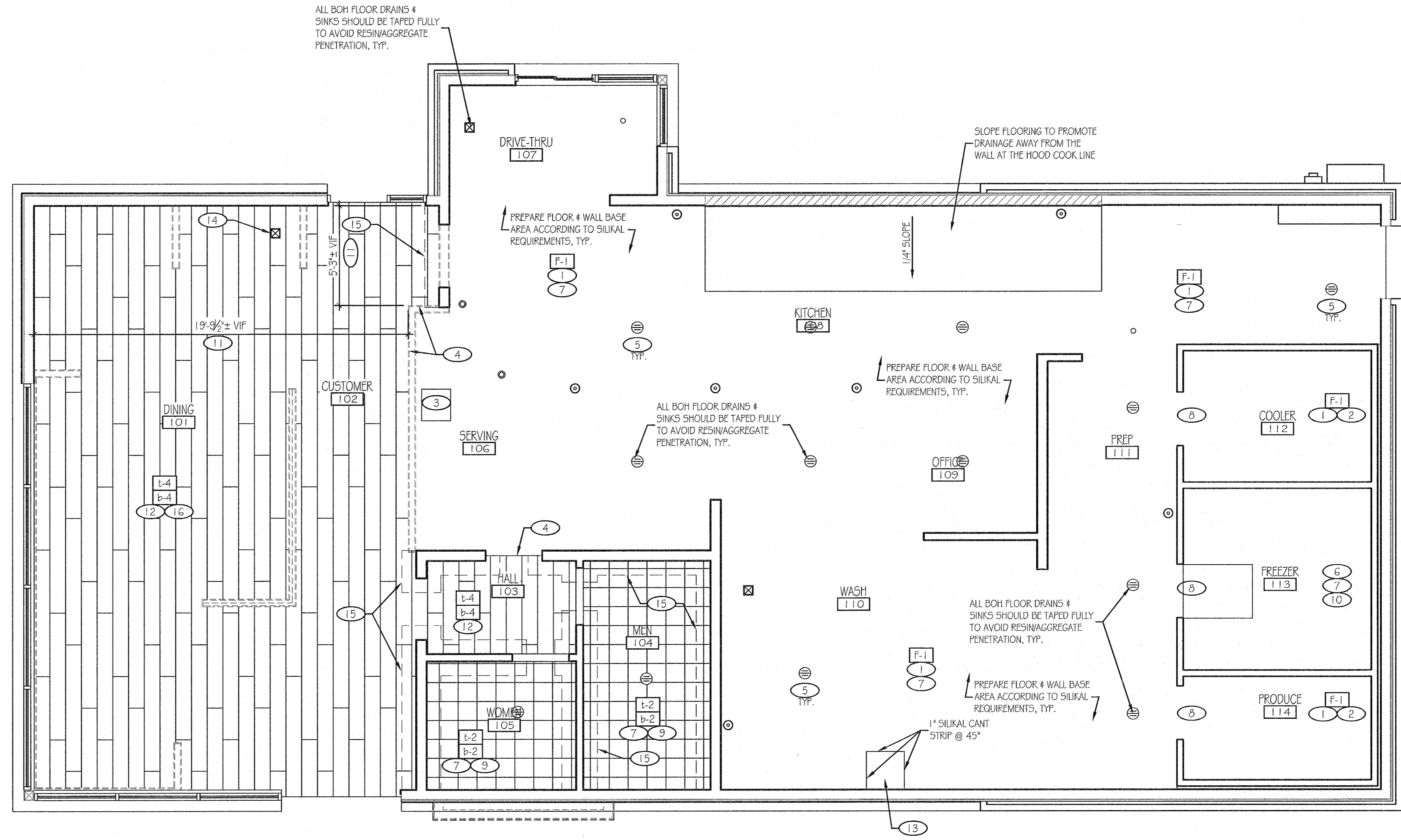
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD, # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: [Signature]
SHEET NUMBER: 5.1.2

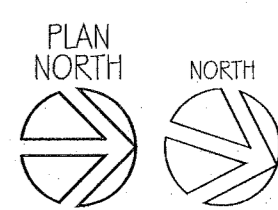
- A. REFER TO SHT 5.1.1 & 5.1.2 FOR FINISHES.
- B. TILE JOINTS (U.O.N.):
 1. QUARRY FLOOR TILE: 1/4"
 2. GLAZED WALL TILE: 1/8"
 3. BASE, TRIM AND ACCESSORIES: MATCH ADJOINING TILE UNITS
- C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.
- D. ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.
- E. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.
- F. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED.

- 1 6" SANITARY COVE BASE (BACK OF HOUSE). SEE DETAILS 6, 11/4.4.
- 2 PROVIDE FLOOR FINISH INSIDE WALK-IN COOLER & STORAGE. FLOAT FLOOR IN COOLERS TO DRAIN TO KITCHEN. COORDINATE WITH WALK-IN WALL CONFIGURATION.
- 3 PLATFORM FOR SAFE. SEE DETAIL 4/4.6.
- 4 FLOOR FINISH TRANSITION FROM DINING ROOM TO KITCHEN SHALL BE FLUSH.
- 5 CUT / SLOPE FLOOR TO DRAIN.
- 6 METAL BASE IN FREEZER; SEE SCOPE OF WORK AND DETAIL 11/4.4
- 7 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS / SLOT DRAIN.
- 8 INSTALL FLOOR FINISH TO MEET COOLER & STORAGE FLOORS FLUSH. COORDINATE WITH COOLER & STORAGE THRESHOLD INSTALLATION.
- 9 SANITARY COVE TILE BASE (RESTROOMS). SEE DETAIL 7/4.4.
- 10 FACTORY FLOOR FINISH (GALV. STL) w/ INTEGRAL COVE BASE AND BUILT-IN INTERNAL RAMP IN WALK-IN FREEZER.
- 11 DIMENSION STRING REPRESENTS APPROX. LINE OF FcH -to- BcH FLOOR TILE TRANSITION.
- 12 6" COVE MILLWORK BASE (DINING ROOM). SEE DETAILS 8, 10/4.4.

- 13 MOP SINK LOCATION.
- 14 OMIT TILE AT FLOOR SINK / HUB DRAIN LOCATIONS.
- 15 REDGUARD WATERPROOFING MEMBRANE, TYPICAL AT BASE OF INTERIOR FOH PARTITION WALLS; ROLLER, TROWEL OR SPRAY APPLIED. COORDINATE INSTALLATION WITH FLOOR / BASE TILE MFR.
- 9" HORIZONTAL APPLICATION / 9" VERTICAL APPLICATION; UNLESS NOTED OTHERWISE.
- NOTES:
 A. ELIMINATE VERTICAL APPLICATION AT COOLER / FREEZER PANEL WALLS AND MOP SINK LOCATIONS; i.e., NO CERAMIC BASE TILE and/or NO FRP WALL FINISH. SEE SHEETS A8.1, A8.2 and A8.3.
 B. TERMINATE VERTICAL APPLICATION 6" ABOVE SLAB AT DINING ROOM SIDE OF APPLICABLE PARTITION WALLS; i.e., NO WAINSCOT WALL FINISH and/or NO WALL TILE FINISH. SEE SHEET A8.0.
- 16 CLIP DOWN LOCATIONS FOR SEATING / DECOR PACKAGE PRIOR TO PERFORMING WORK. SEE SHEET 10.1
- 17 NOT USED.



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



REVISIONS:

FINISH FLOOR PLAN

KFC Dugas

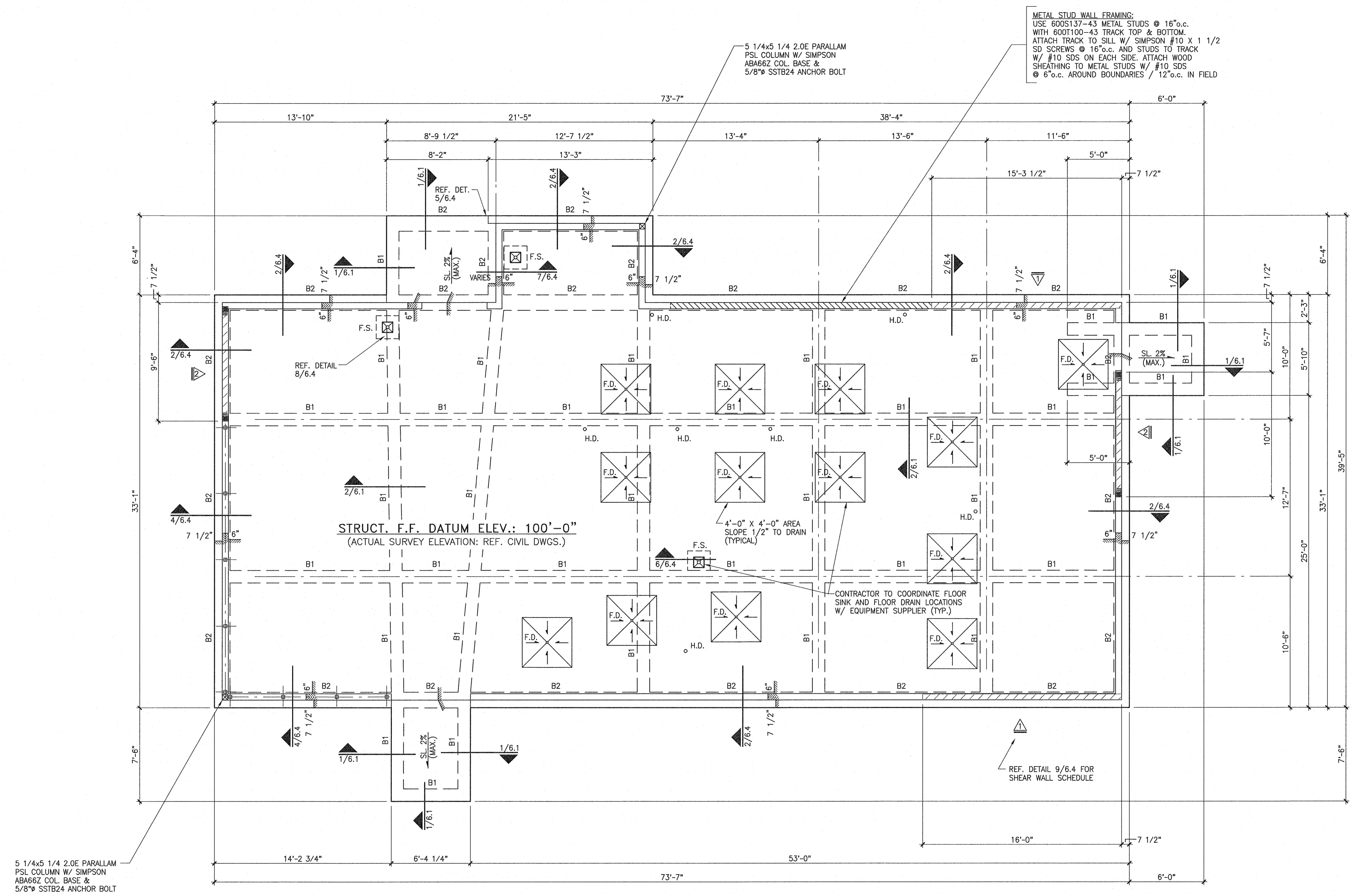
Potracco Rd @ Dugas Rd, San Antonio, Tx. 78251

MAY 18 2022

ARCHITECT * SYKEL
 REGISTERED ARCHITECT
 STATE OF TEXAS

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
 JOB NO: 44343
 DRAWN BY: CRB
 SHEET NUMBER: 5.2
 OF



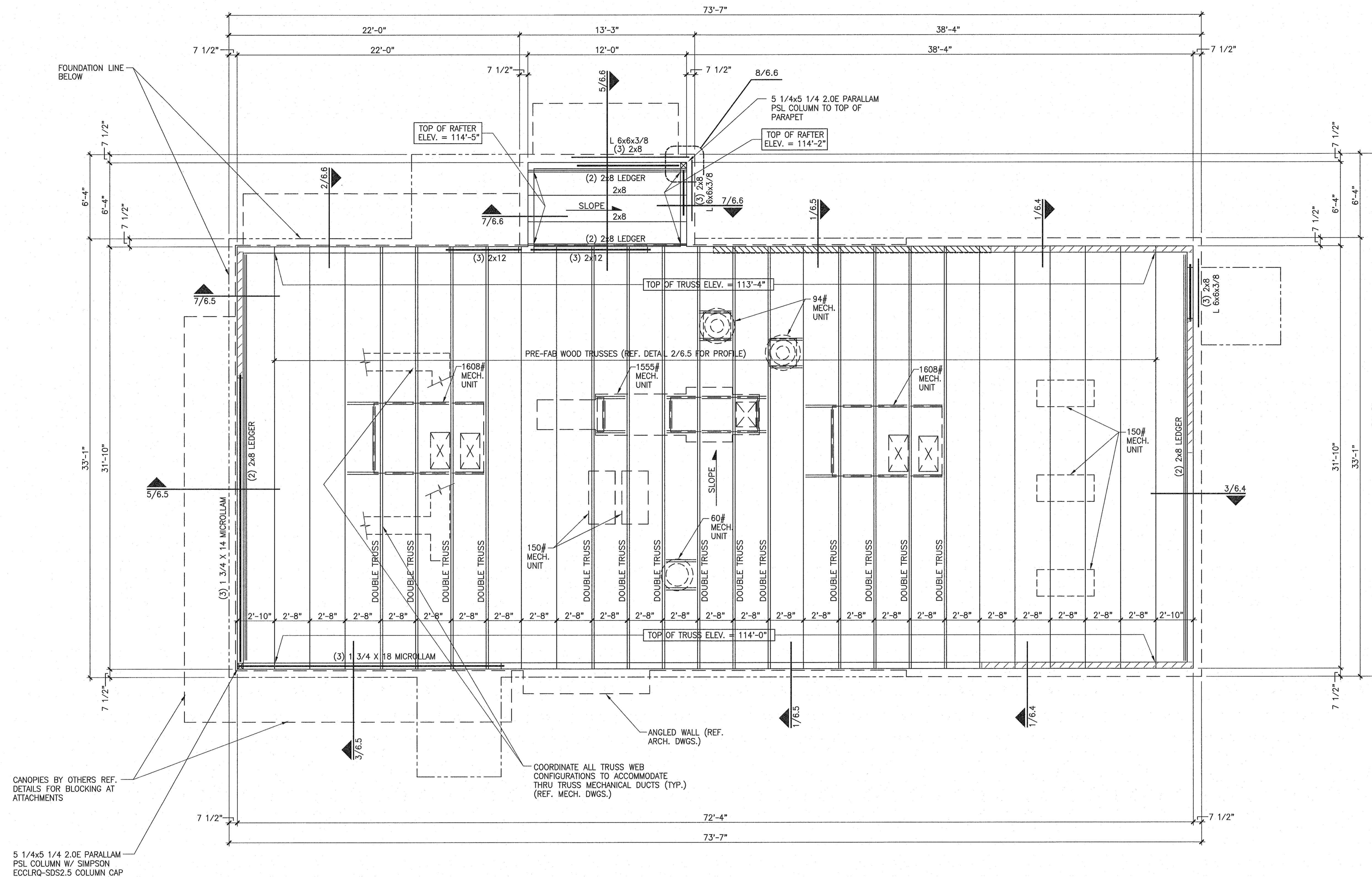
CONTRACTOR NOTE PRIOR TO FOUNDATION POUR:

- SHOP DRAWINGS TO BE SUBMITTED AND REVIEWED:
 - CONCRETE MIX DESIGN
 - VAPOR BARRIER
 - REINFORCING STEEL
 - EMBEDS (INCLUDING HOLDDOWNS)
- FIELD OBSERVATION BY DANYSH & ASSOCIATES REPRESENTATIVE (MINIMUM 24 HOUR NOTICE) AND/OR INSPECTION BY TESTING LABORATORY TO OBSERVE:
 - VAPOR BARRIER
 - BEAM AND SLAB REINFORCING
 - ALL EMBEDS (INCLUDING EXTERIOR SILL BOLTS, SHEAR WALL HOLDOWN ANCHORS AND SILL PLATE BOLTS)



FOUNDATION FRAMING PLAN
SCALE: 1/4" = 1'-0"

DAA JOB NO.: 64-357-20
 FILE NAME: KFC060562
 DRAWING SCALE: 1/4" = 1'-0"
 SCALE FACTOR: 48



CANOPIES BY OTHERS REF. DETAILS FOR BLOCKING AT ATTACHMENTS

5 1/4x5 1/4 2.0E PARALLAM PSL COLUMN W/ SIMPSON ECCLRQ-SDS2.5 COLUMN CAP

COORDINATE ALL TRUSS WEB CONFIGURATIONS TO ACCOMMODATE THRU TRUSS MECHANICAL DUCTS (TYP.) (REF. MECH. DWGS.)

ANGLED WALL (REF. ARCH. DWGS.)



ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

- PLAN NOTES:**
- 1.) CONTRACTOR SHALL VERIFY ALL EQUIPMENT WEIGHTS WITH SUPPLIER AND LOCATIONS PRIOR TO FABRICATION OF TRUSSES.
 - 2.) CONTRACTOR SHALL COORDINATE TRUSS LAYOUT W/ SPECIFIC KITCHEN & MECHANICAL EQUIPMENT PLANS PRIOR TO FABRICATION OF TRUSSES. MAXIMUM TRUSS SPACING = 4'-0" o.c.
 - 3.) REF. ARCH. DWGS. FOR DETAILS OF SCUPPERS, ROOF DRAINS, ROOF PENETRATIONS AND PITCH PAN.
 - 4.) REF. ARCH. DWGS. FOR FRAMING DETAILS AT BULKHEAD. TRUSS MANUF. TO SIZE BOTTOM CHORD OF TRUSSES FOR BULKHEAD LOADS.

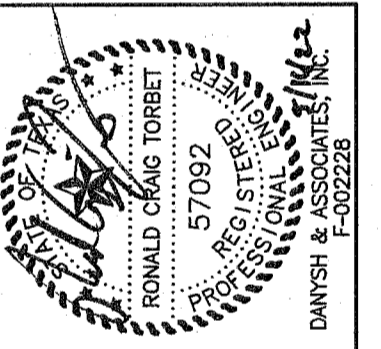
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MAY 16 2022

ROOF FRAMING PLAN

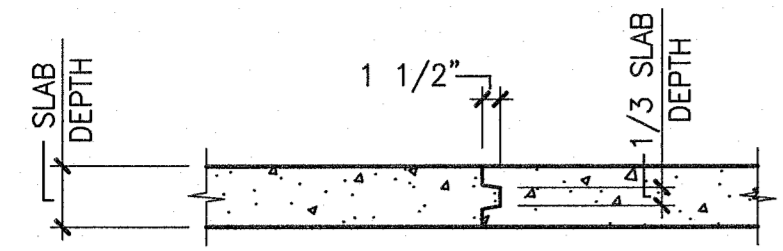
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

DANYSH & ASSOCIATES
STRUCTURAL ENGINEERS
P-002228

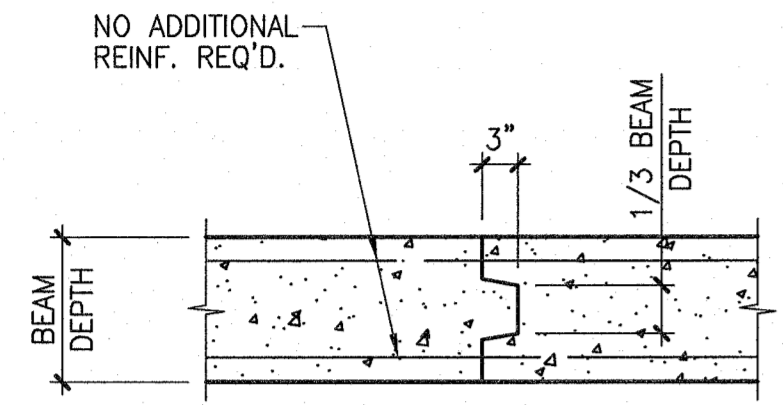


Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE:	05.16.22
JOB NO:	44343
DRAWN BY:	R.G.
SHEET NUMBER:	6.3

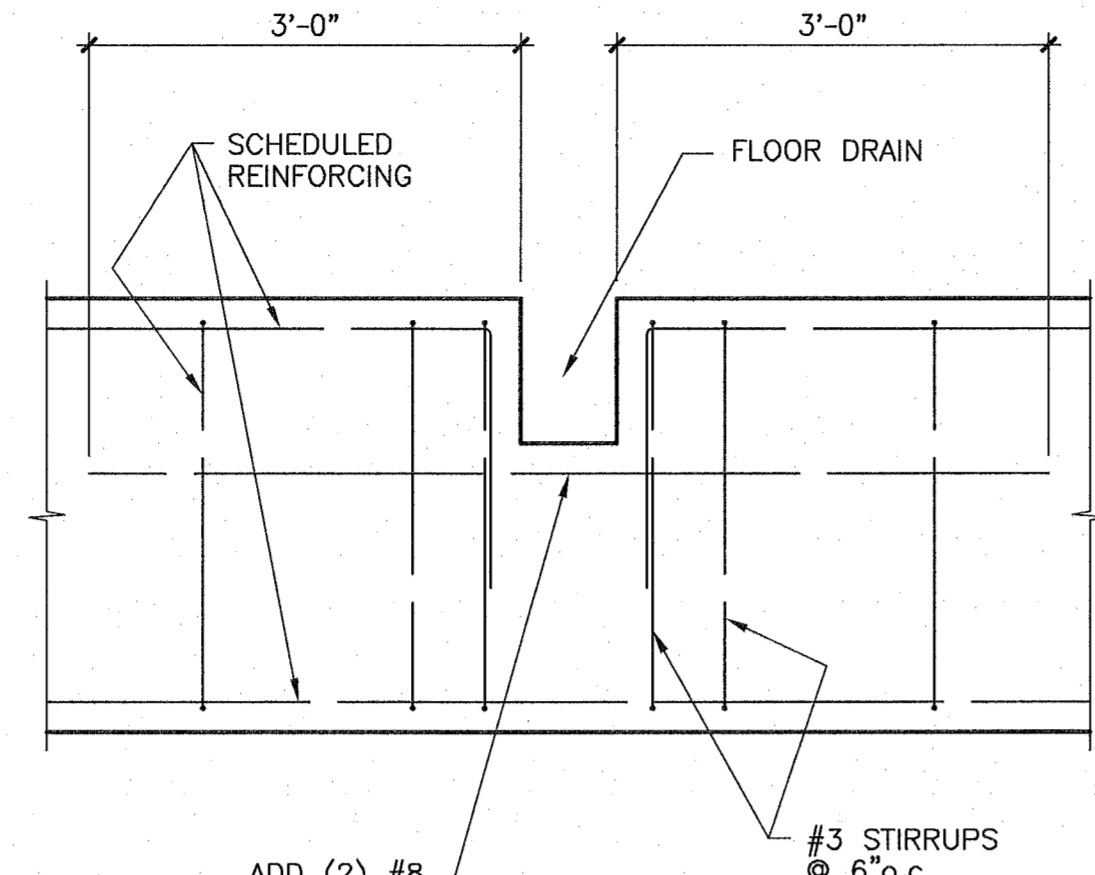


SLAB (SECTION)



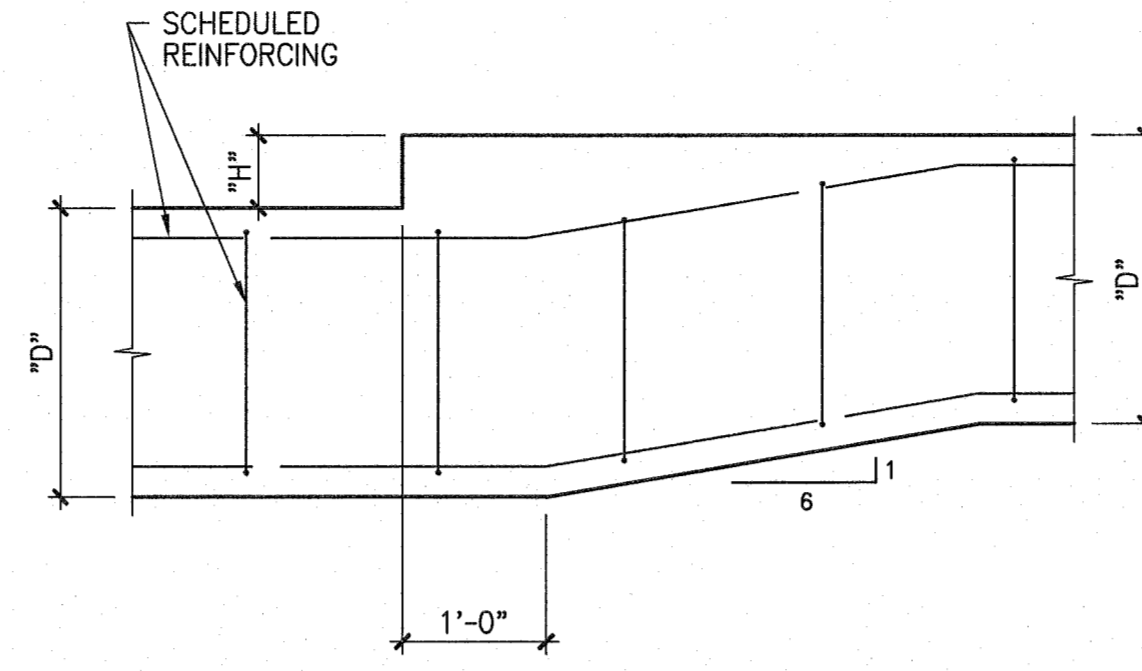
BEAM (ELEVATION)

10 DETAIL TYPICAL CONSTRUCTION JOINTS N.T.S.



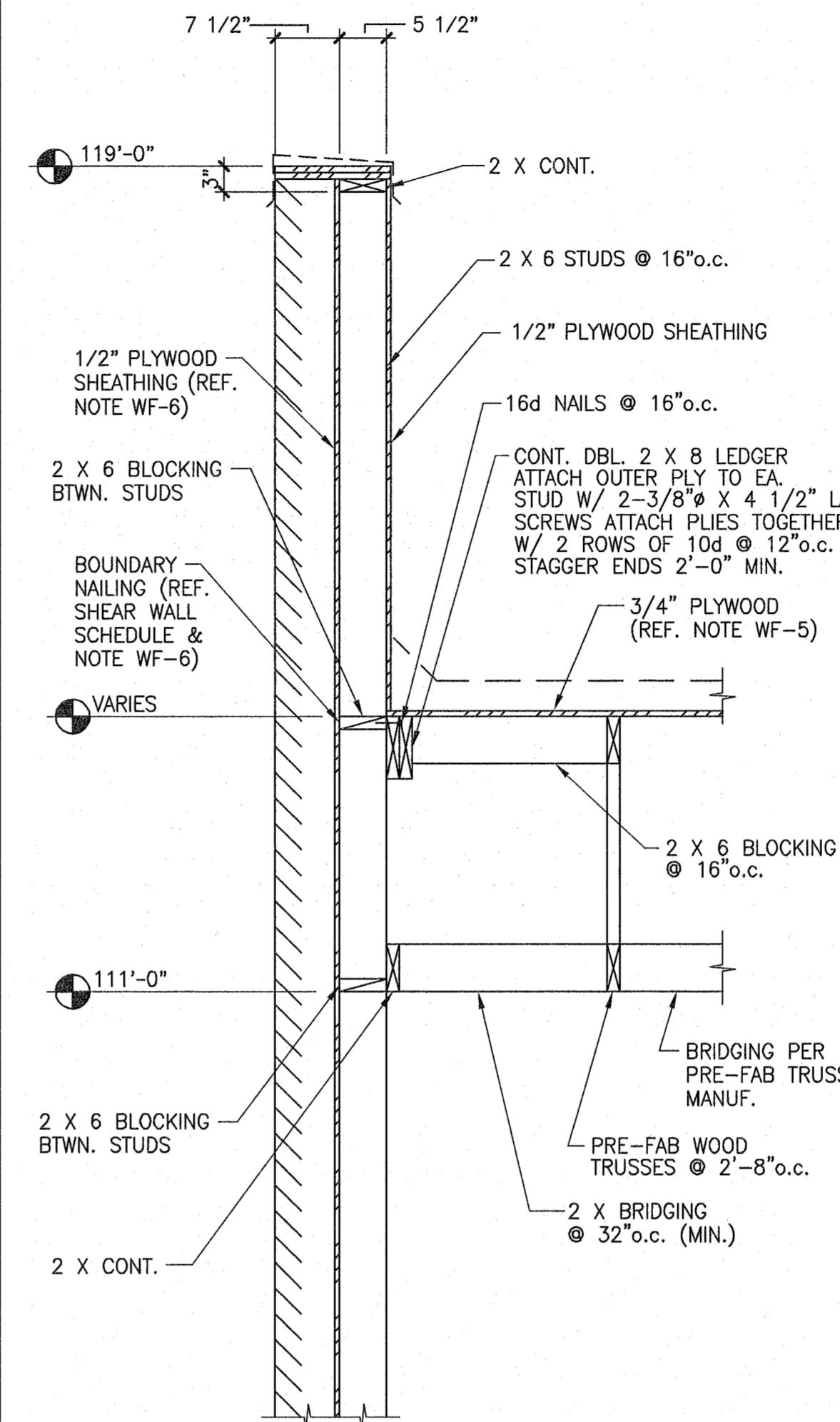
ELEVATION

8 DETAIL BEAM TRANSITION N.T.S.

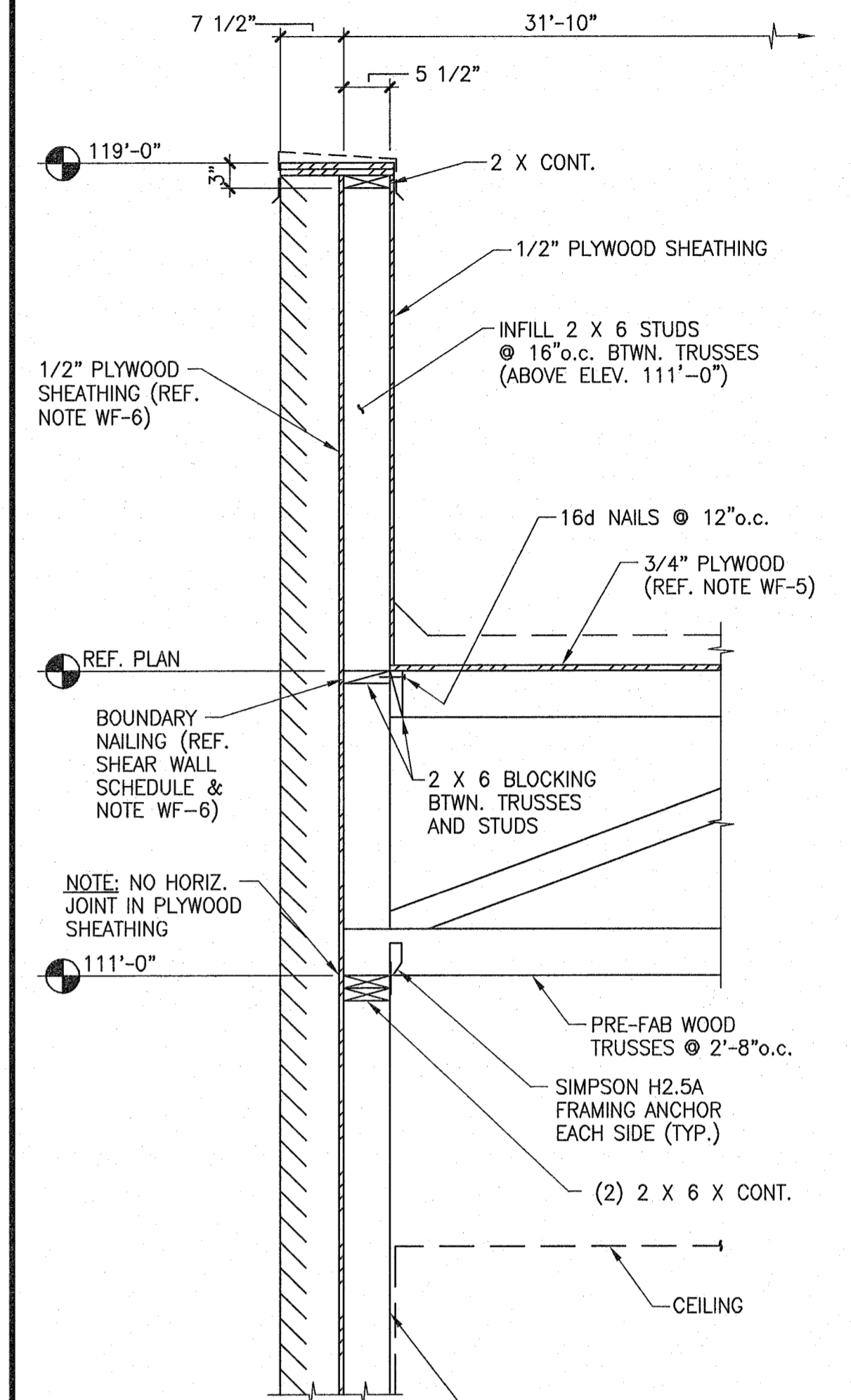


ELEVATION (DROPS LESS THAN 8")

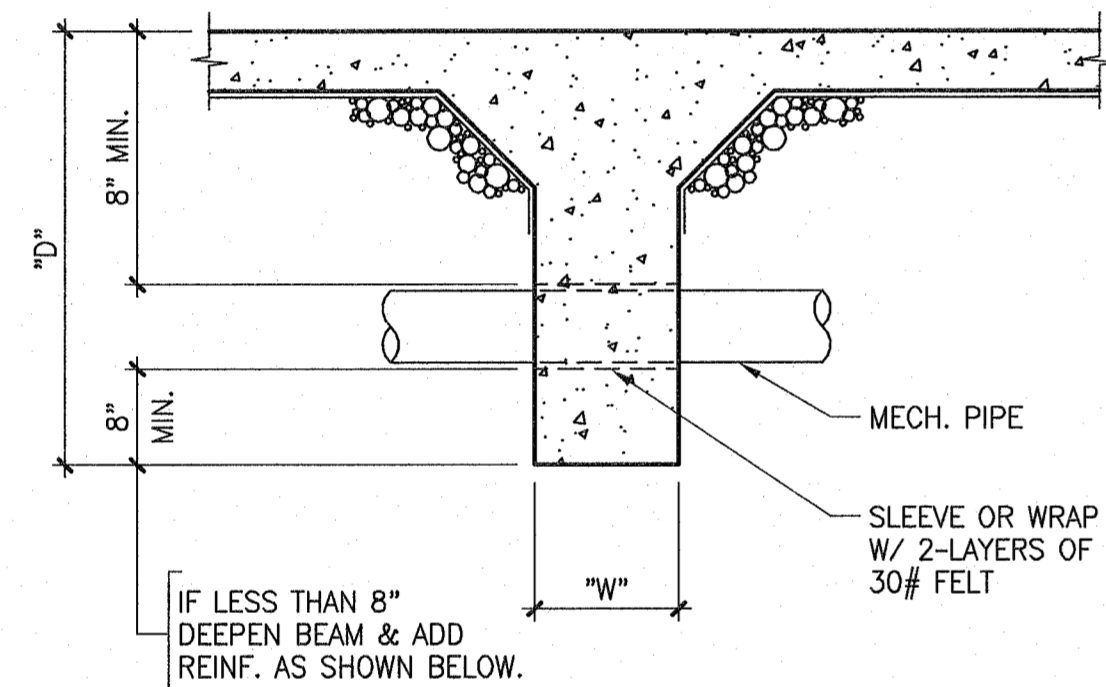
5 DETAIL BEAM TRANSITION N.T.S.



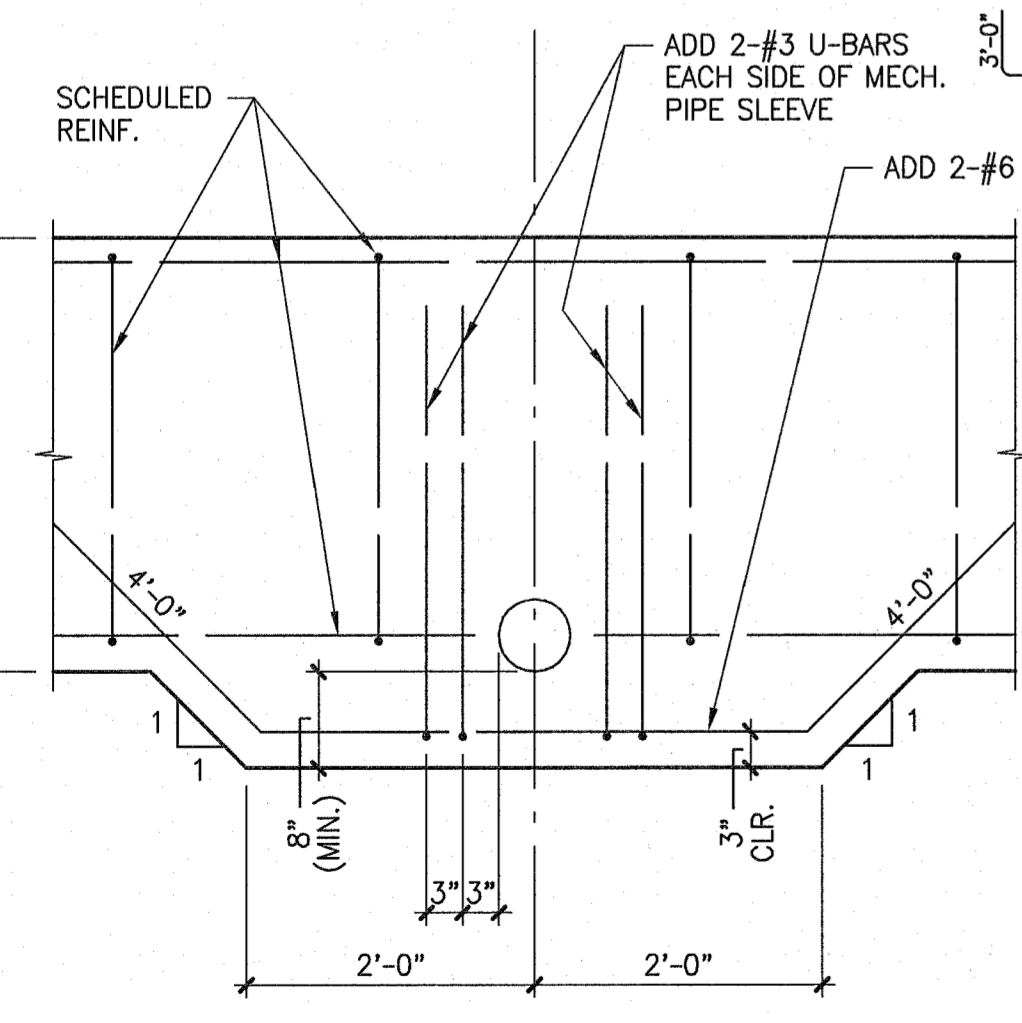
3 SECTION SCALE: 3/4" = 1'-0"



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



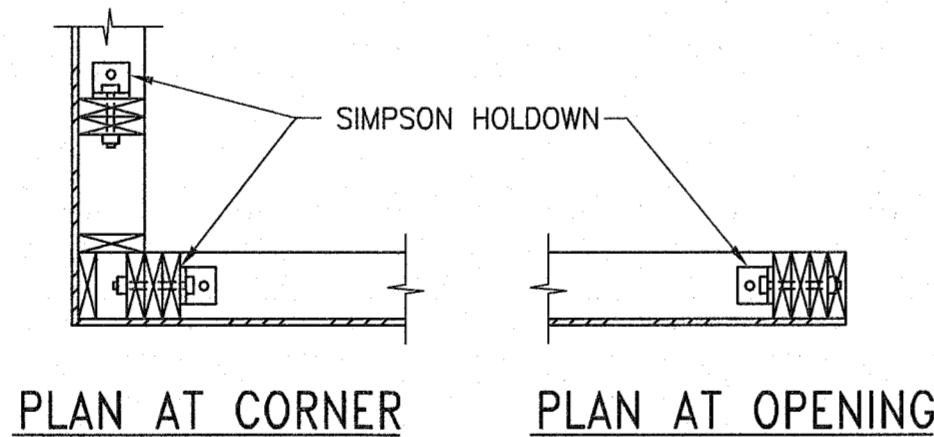
SECTION



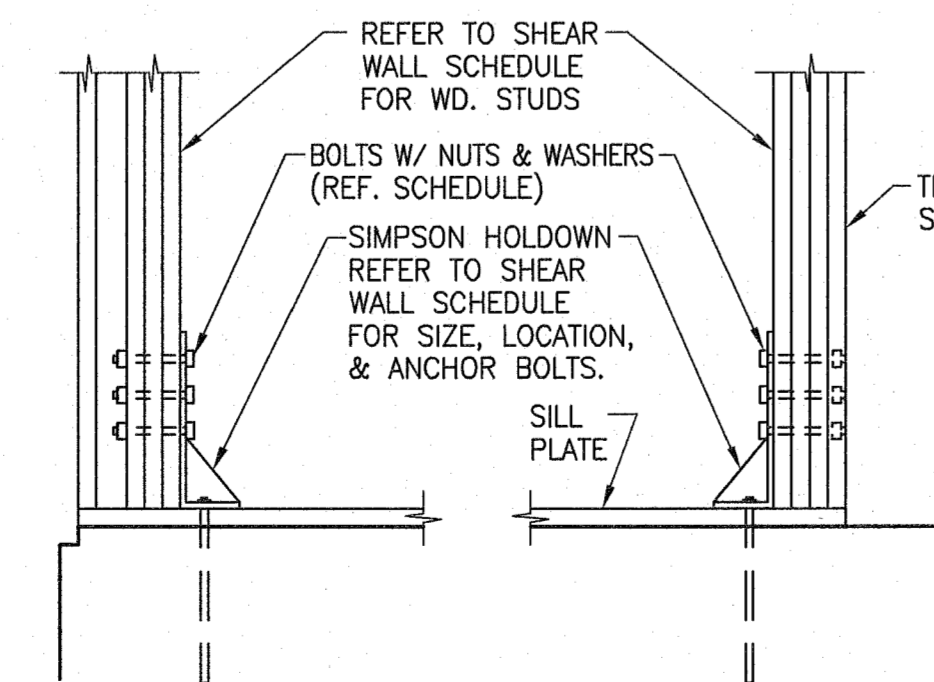
ELEVATION

11 DETAIL TYP. HORIZ. MECH. PIPE THROUGH BEAM N.T.S.

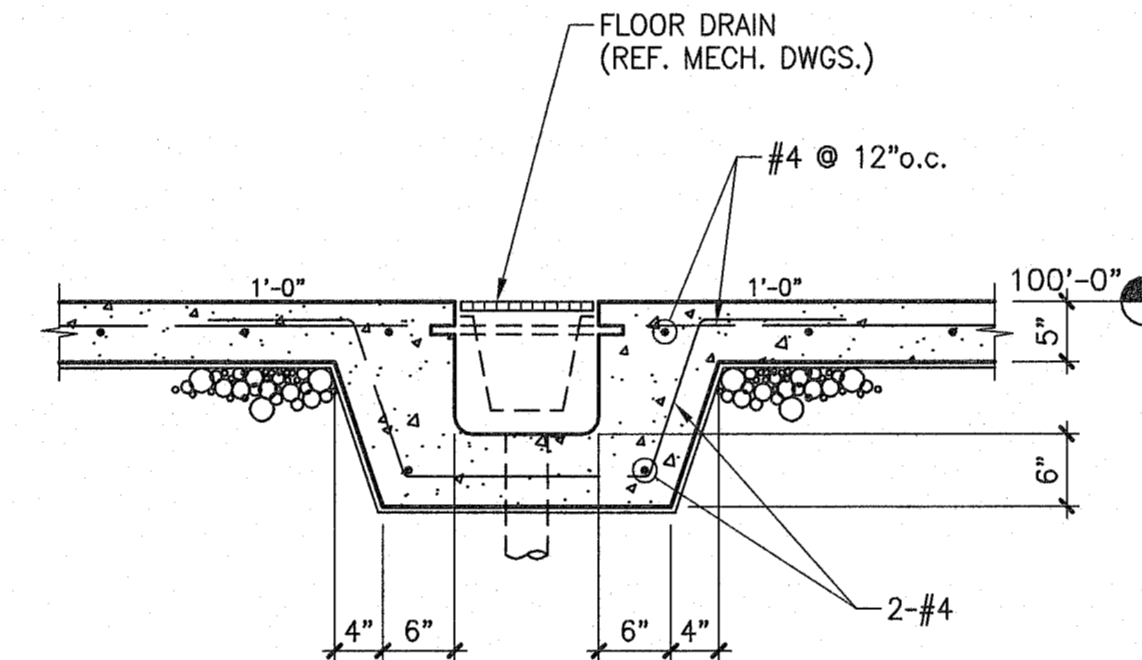
SHEAR WALL SCHEDULE		
MARK		
1	PLYWOOD (1 SIDE)	1/2" STRUCTURAL I CDX * EXTERIOR SIDE
	NAIL-ING	BOUNDARY & EDGES 10 PENNY AT 6"O.C.
		FIELD 10 PENNY AT 12"O.C.
	ANCHOR BOLTS	5/8" A.B. AT 48"O.C. 3" x 15"
	SIMPSON HOLDOWN EACH END	NONE
2	PLYWOOD (1 SIDE)	1/2" STRUCTURAL I CDX * EXTERIOR SIDE
	NAIL-ING	BOUNDARY & EDGES 10 PENNY AT 4"O.C.
		FIELD 10 PENNY AT 12"O.C.
	ANCHOR BOLTS	5/8" A.B. AT 28"O.C. 3" x 15"
	SIMPSON HOLDOWN EACH END	HD9B W/SSTB28 & W/ (3) 7/8" BOLTS
	DETAIL / REMARK	TRIPLE 2X6 STUDS EA. END



PLAN AT CORNER PLAN AT OPENING

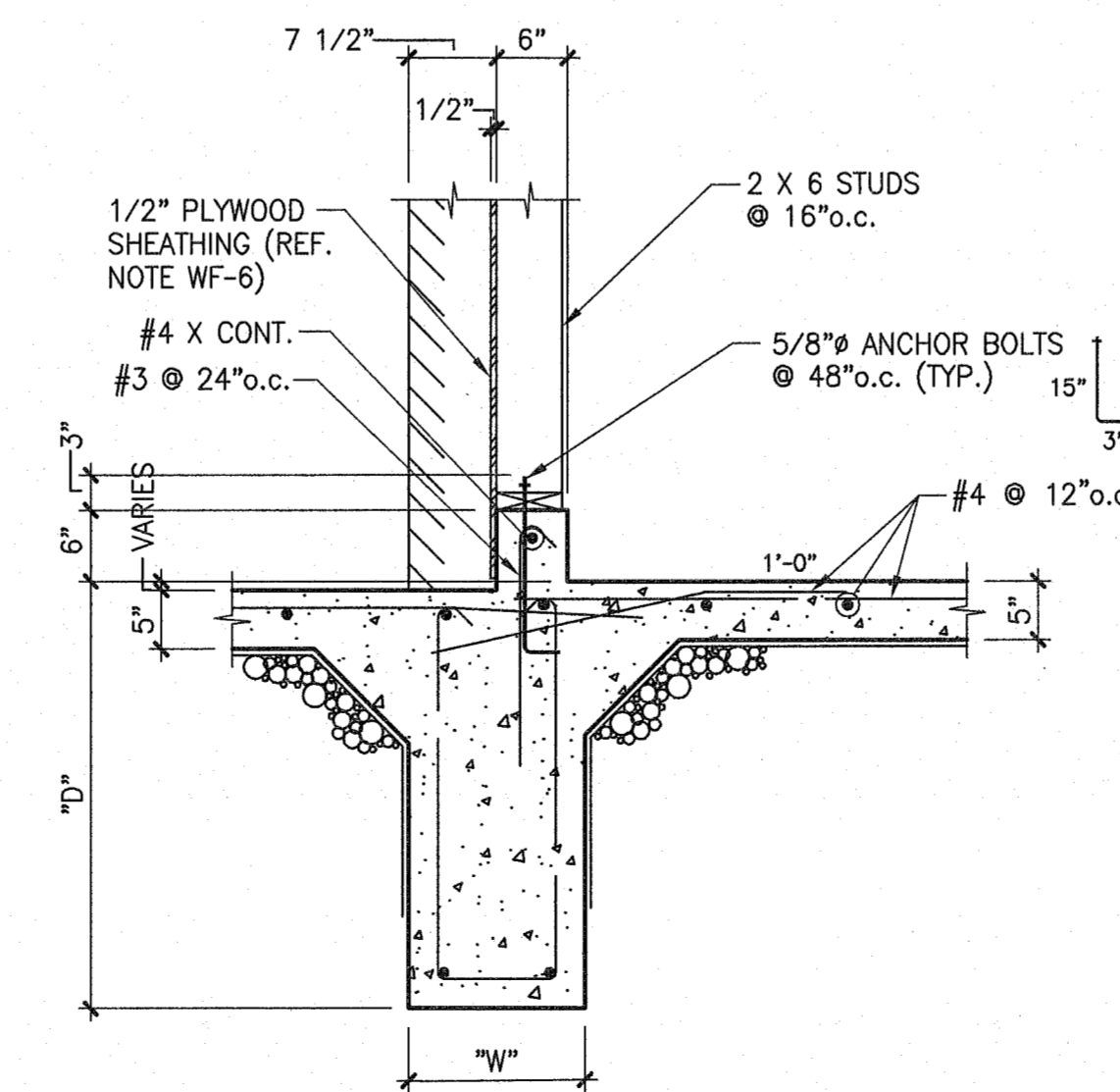


9 DETAIL TYPICAL HOLDOWN CONN. N.T.S.

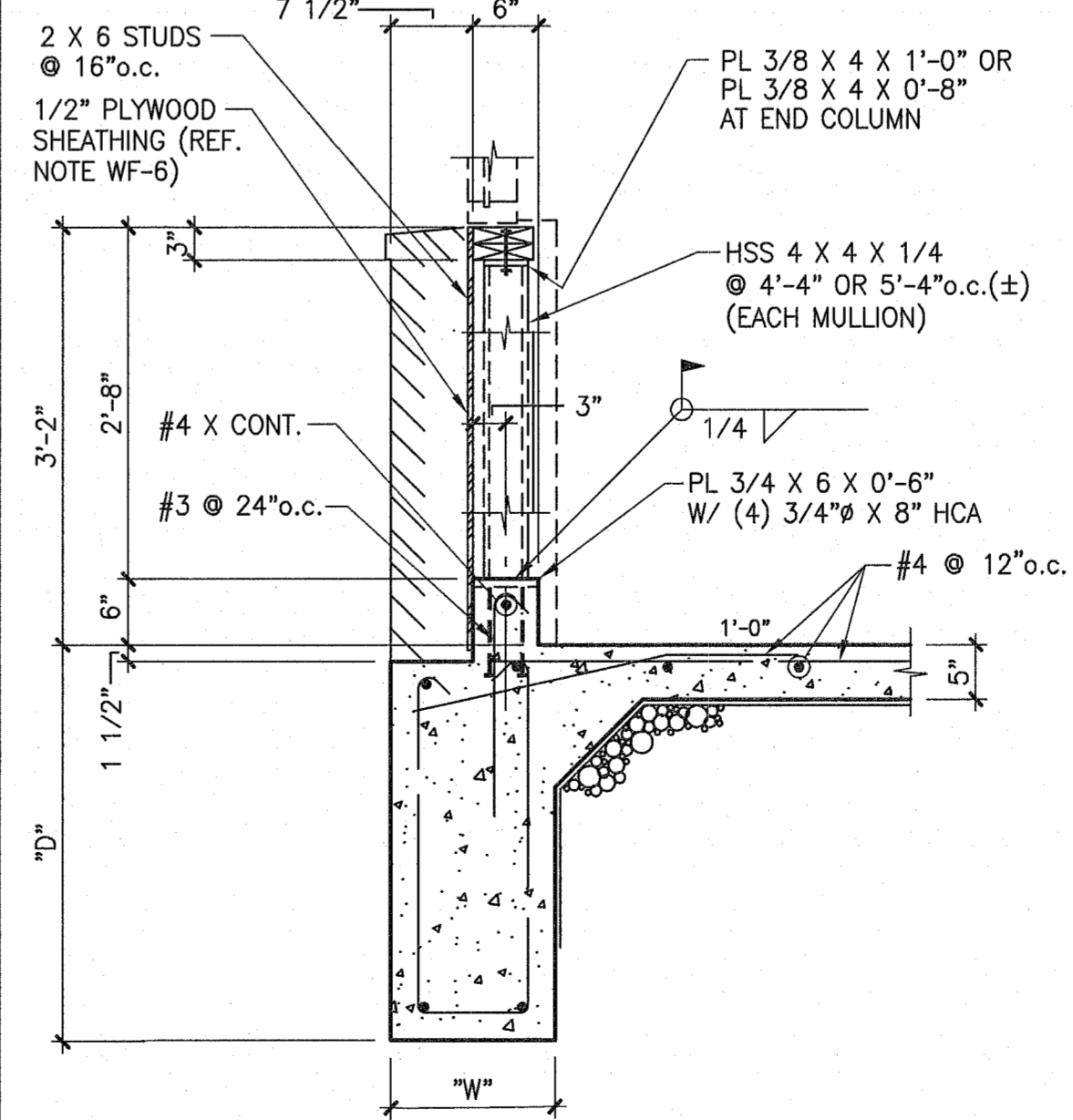


SECTION 6

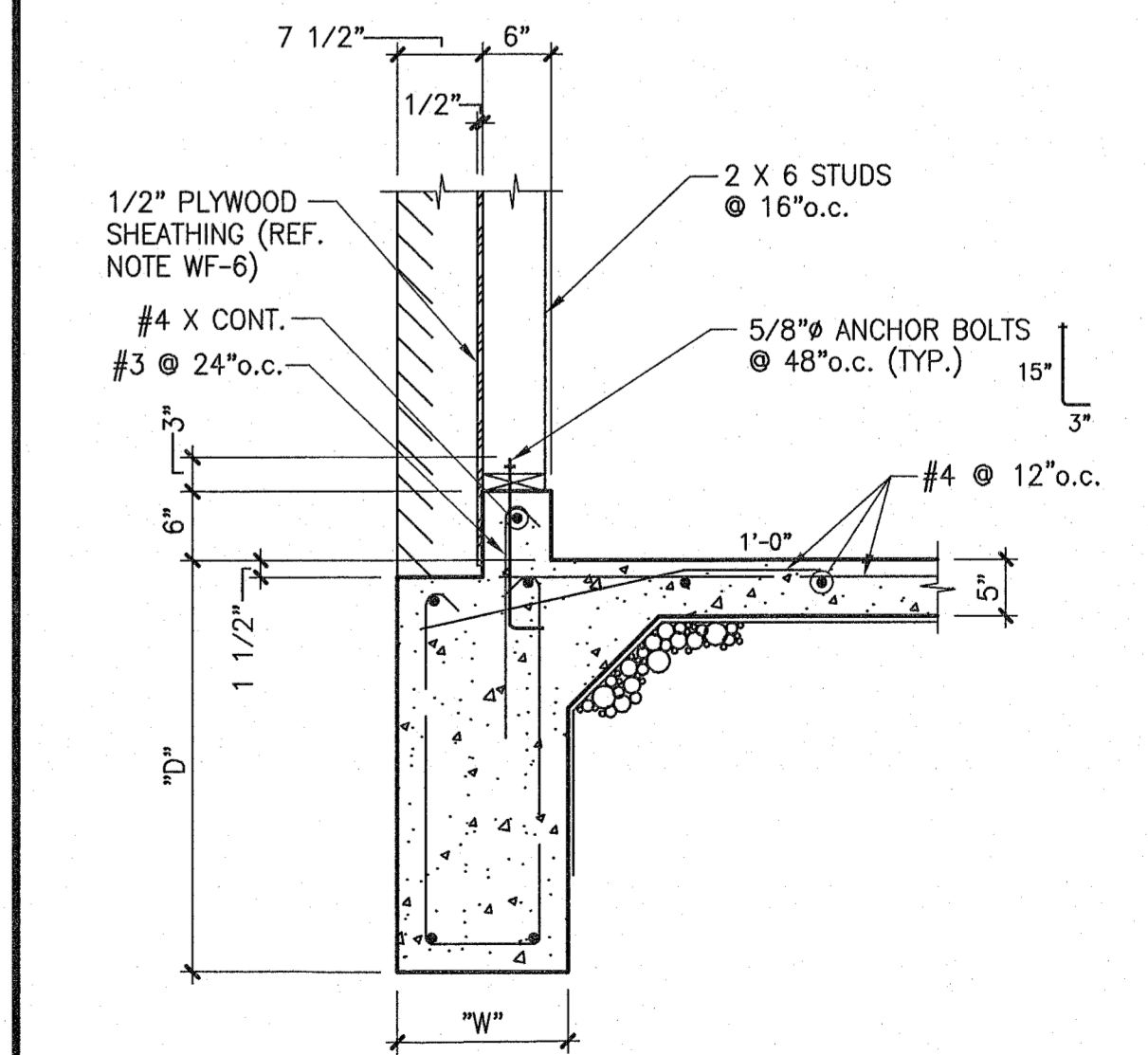
6 SECTION SCALE: 3/4" = 1'-0"



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



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



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

REVISIONS:

SECTIONS AND DETAILS
KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

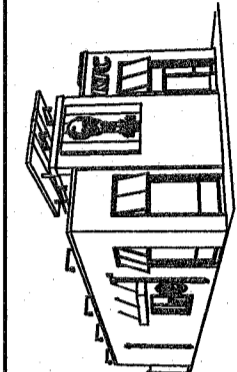
DANVISH & ASSOCIATES
STRUCTURAL ENGINEERS
F-002228

MAY 1 6 2022
RONALD CRAIG TORRETT
5709
F-002228

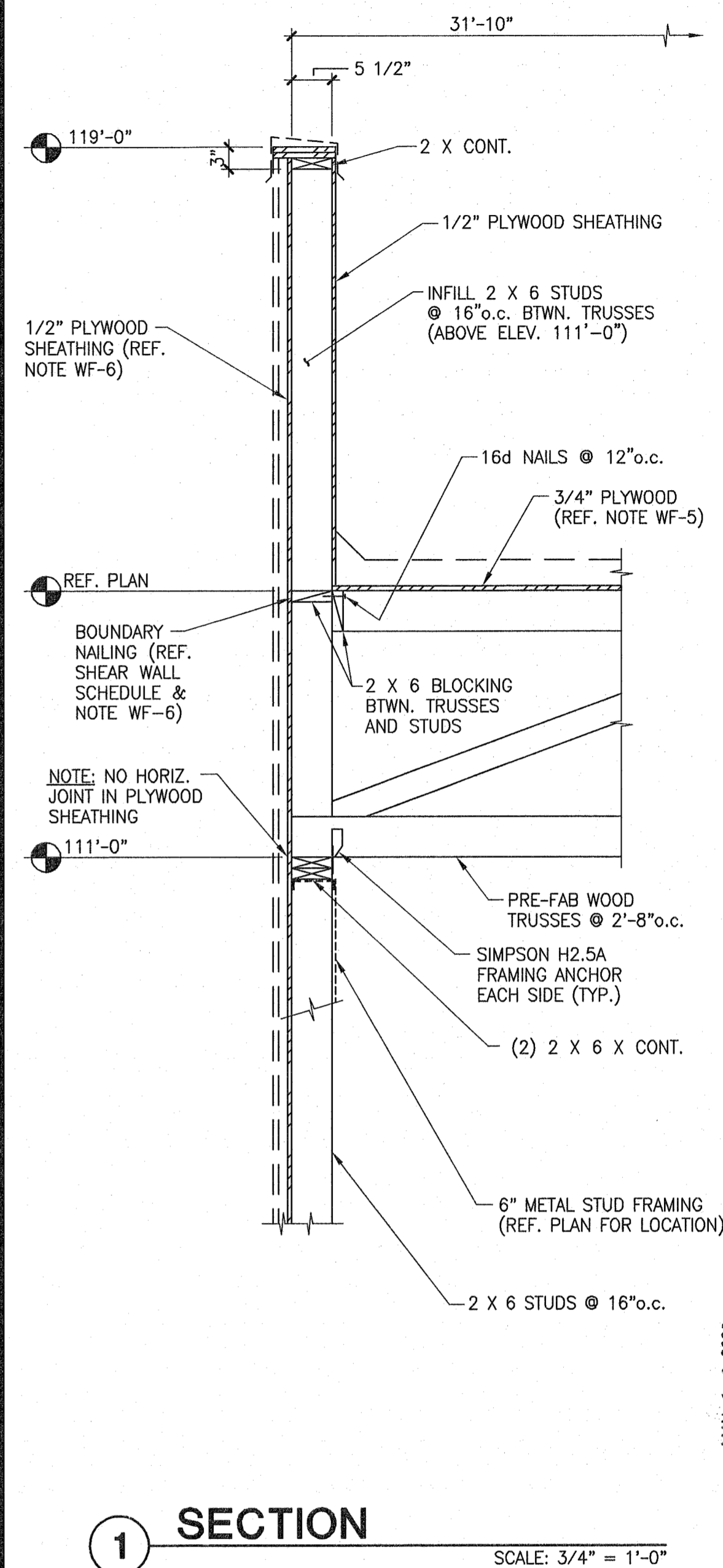
Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.16.22
JOB NO: 44343
DRAWN BY: R.G.
SHEET NUMBER: 6.4
OF

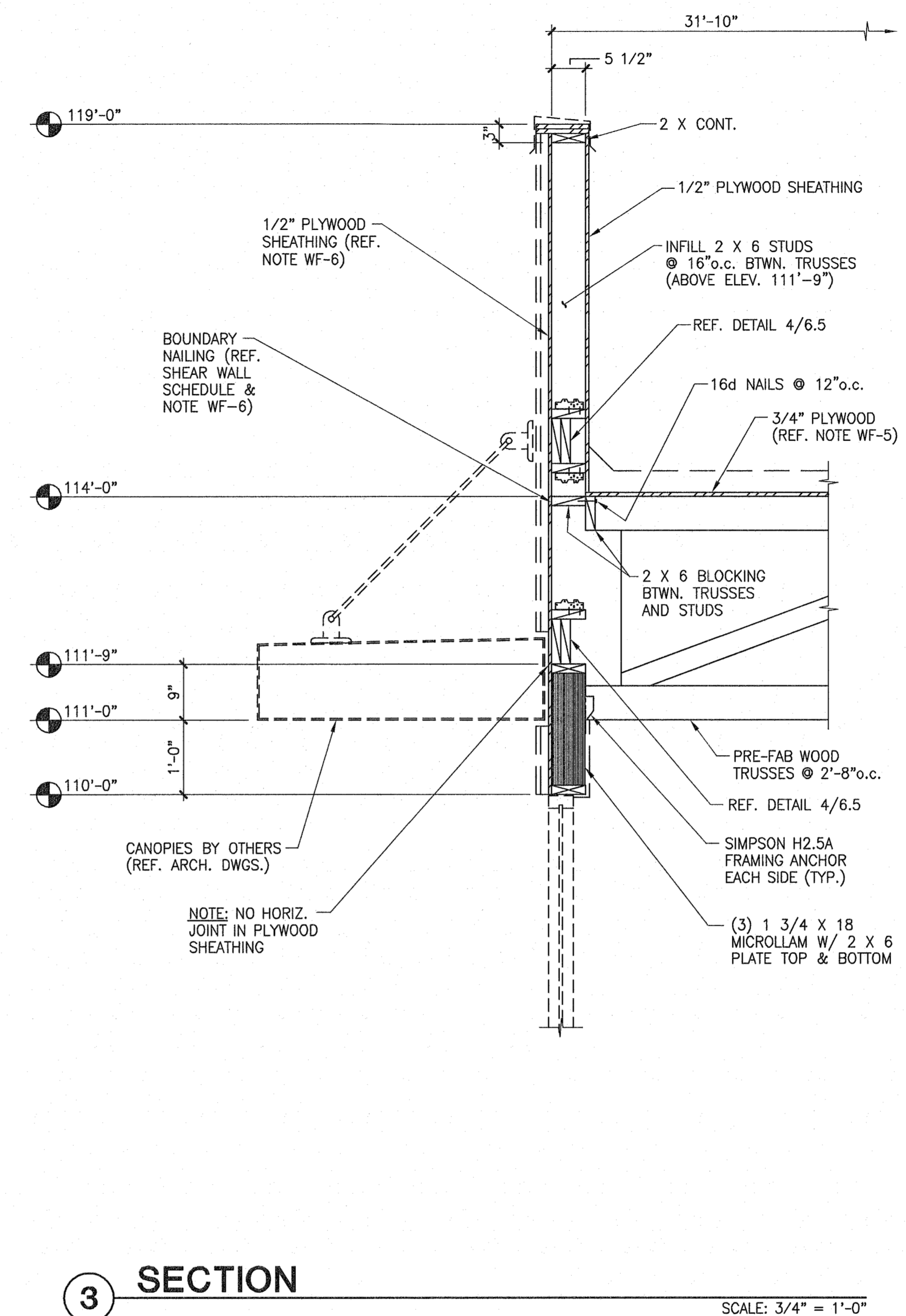
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SCALE FACTOR: 1.6



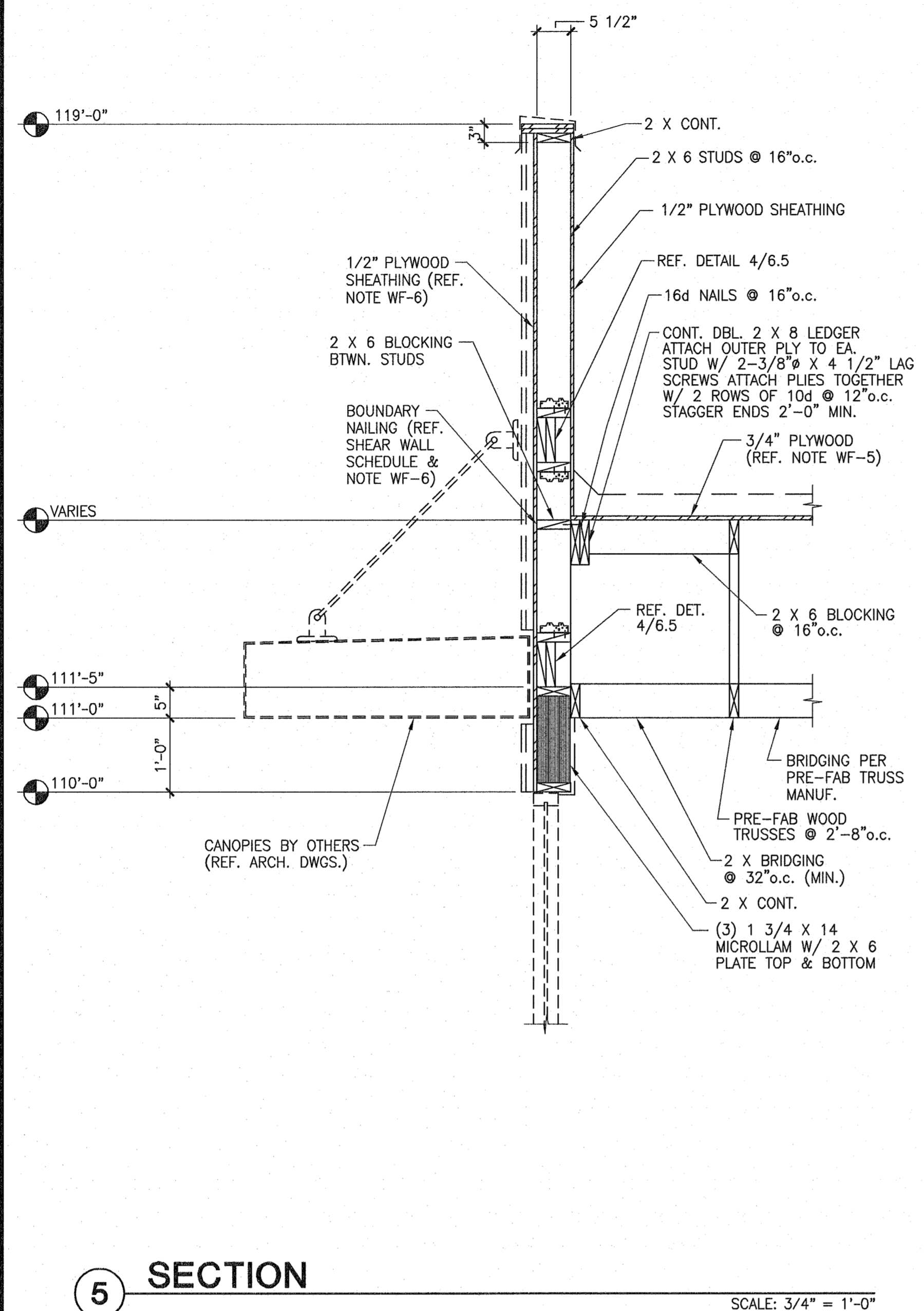
MAY 1 6 2022



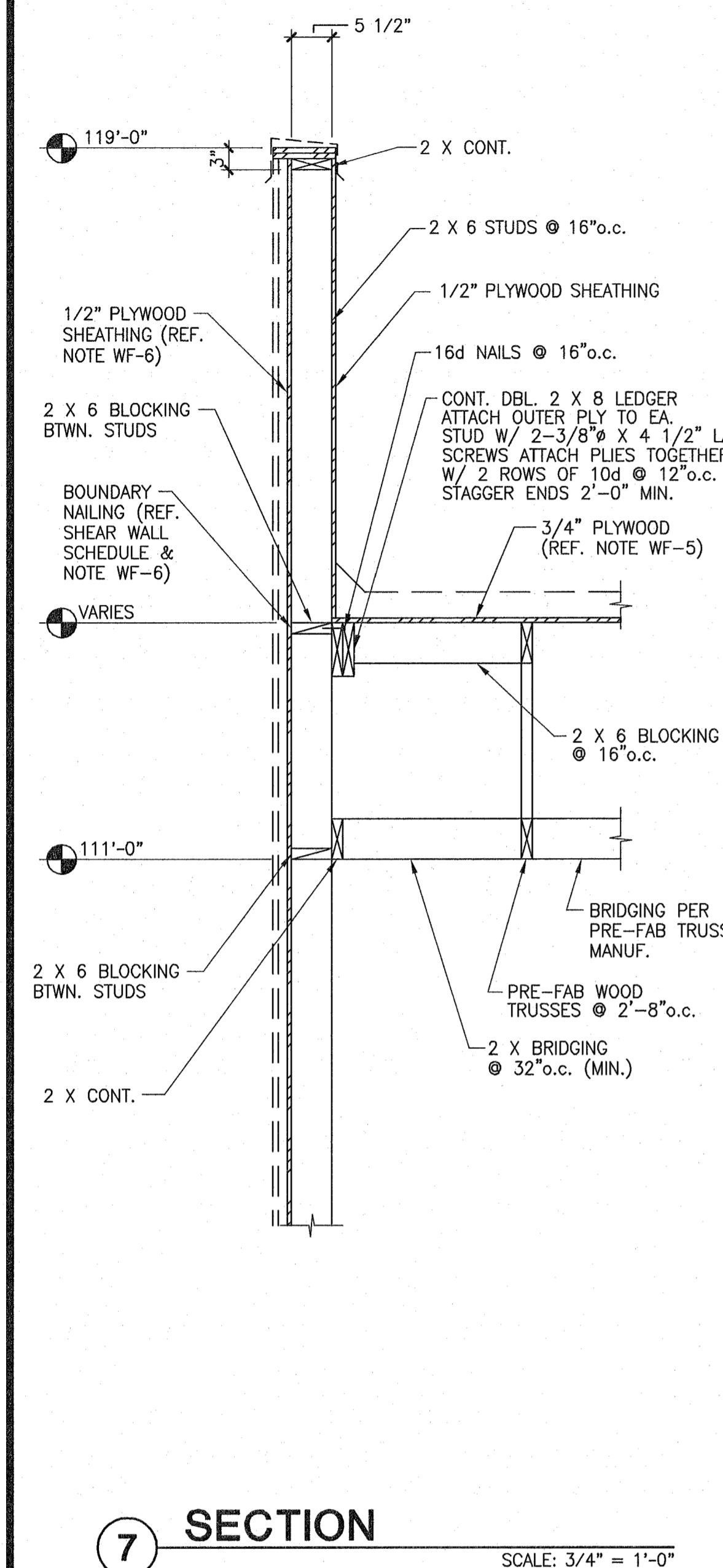
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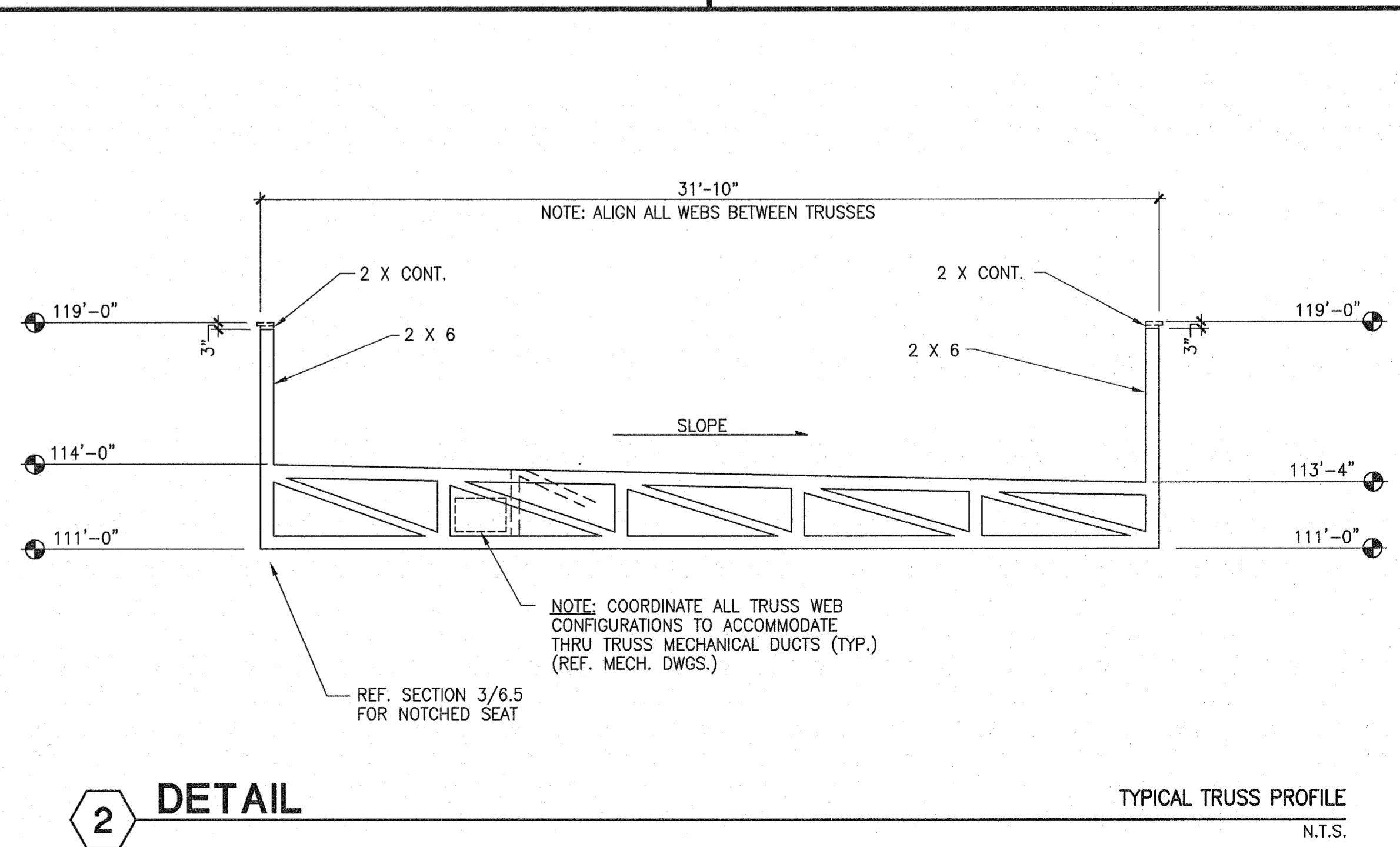
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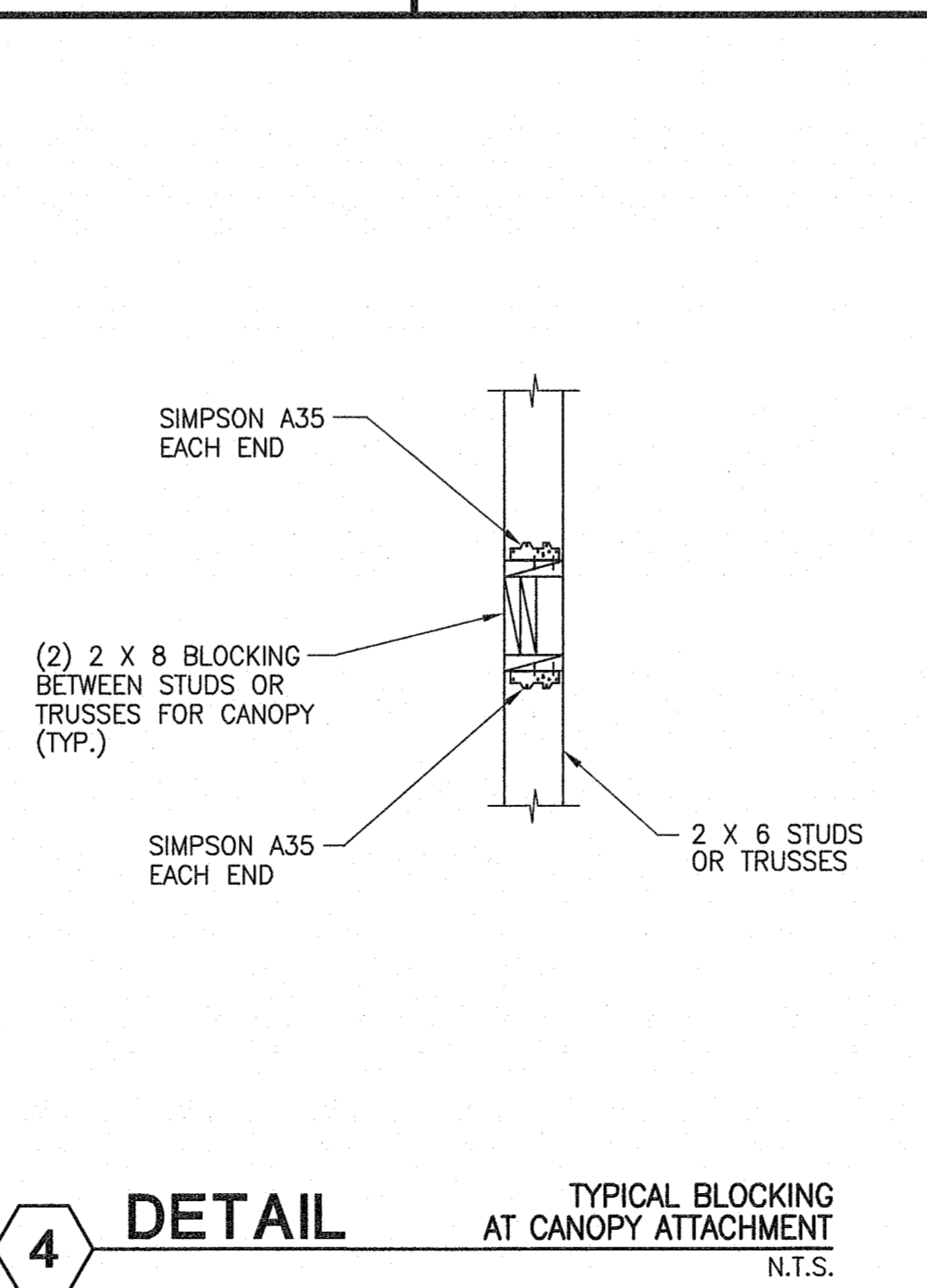
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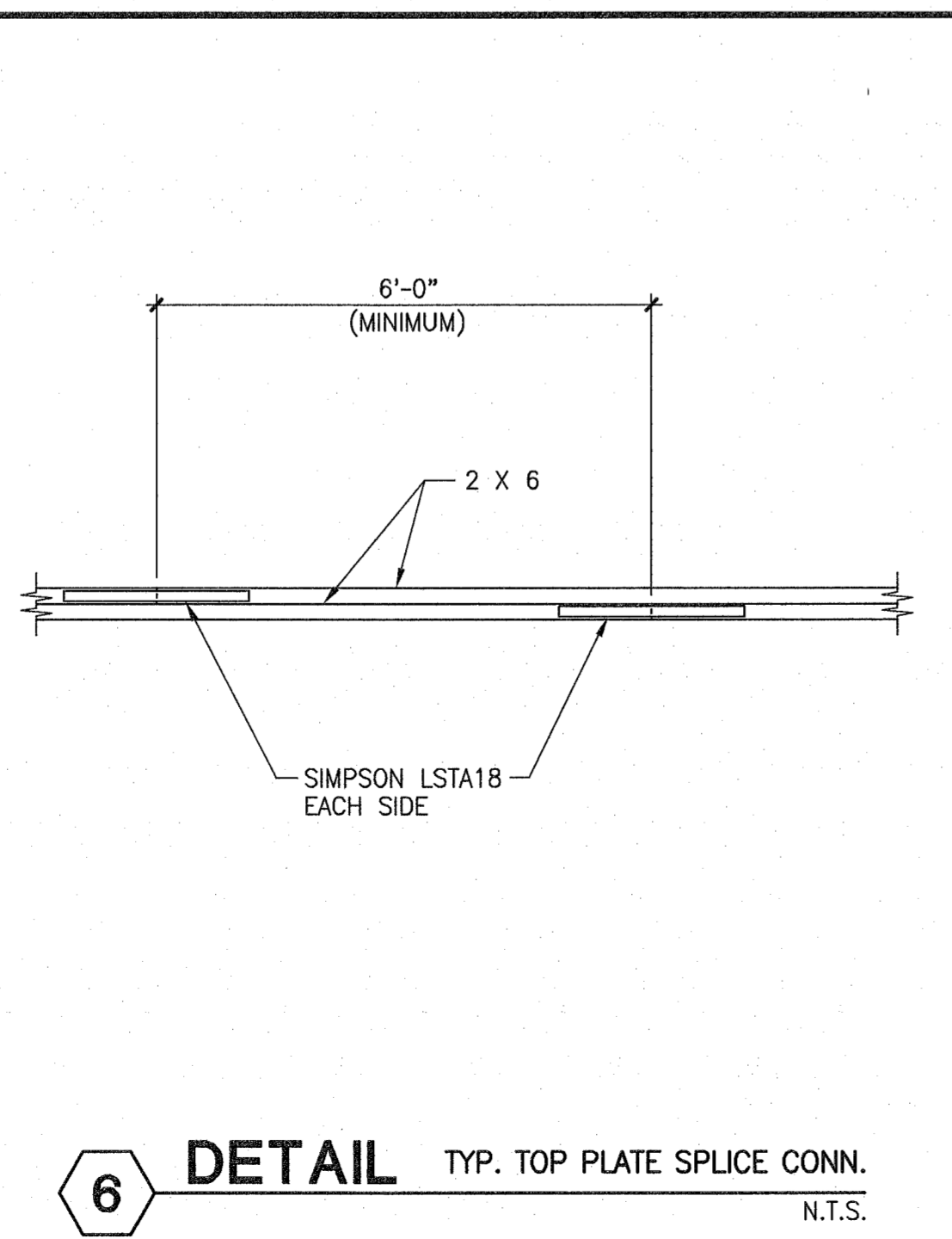
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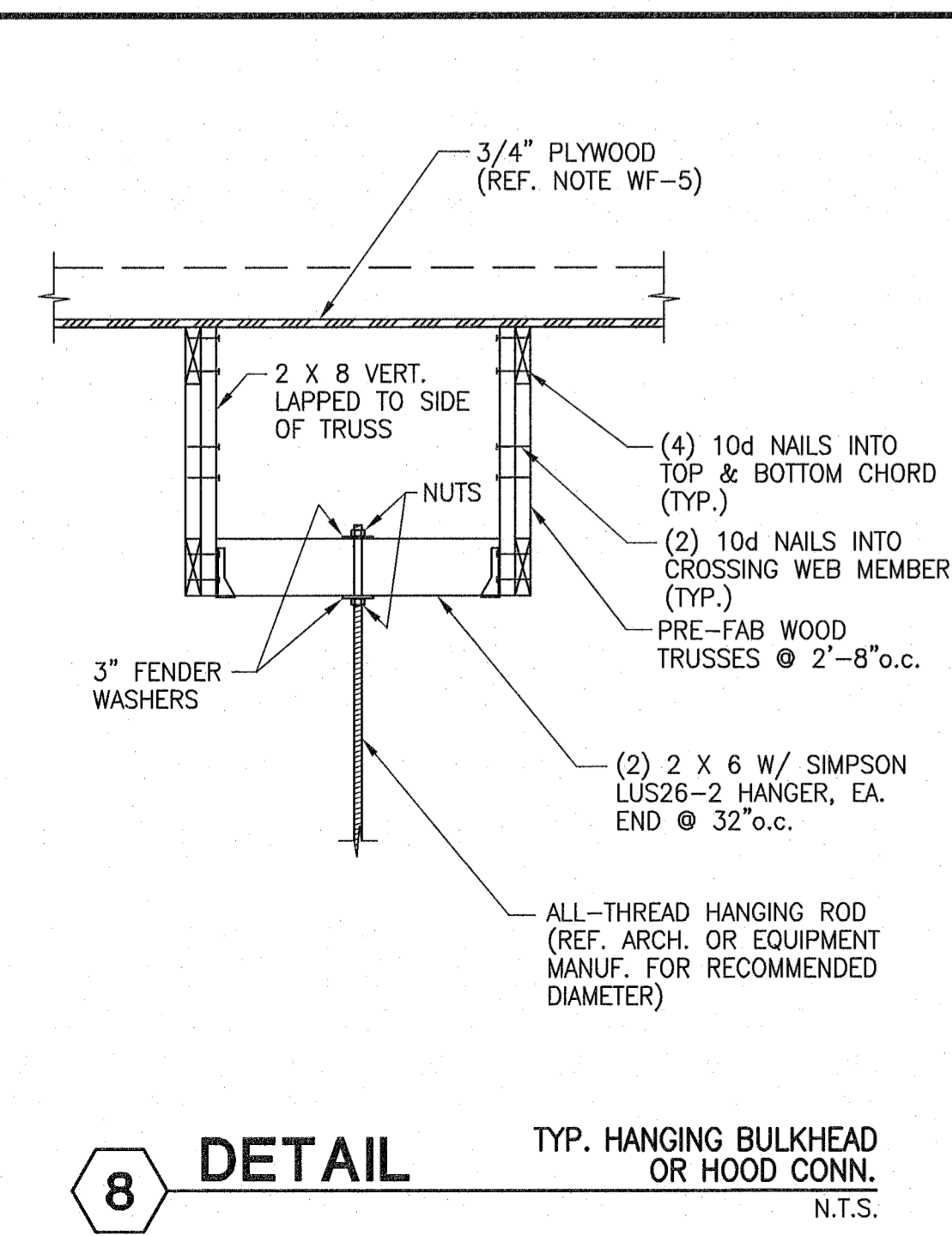
2 DETAIL TYPICAL TRUSS PROFILE N.T.S.



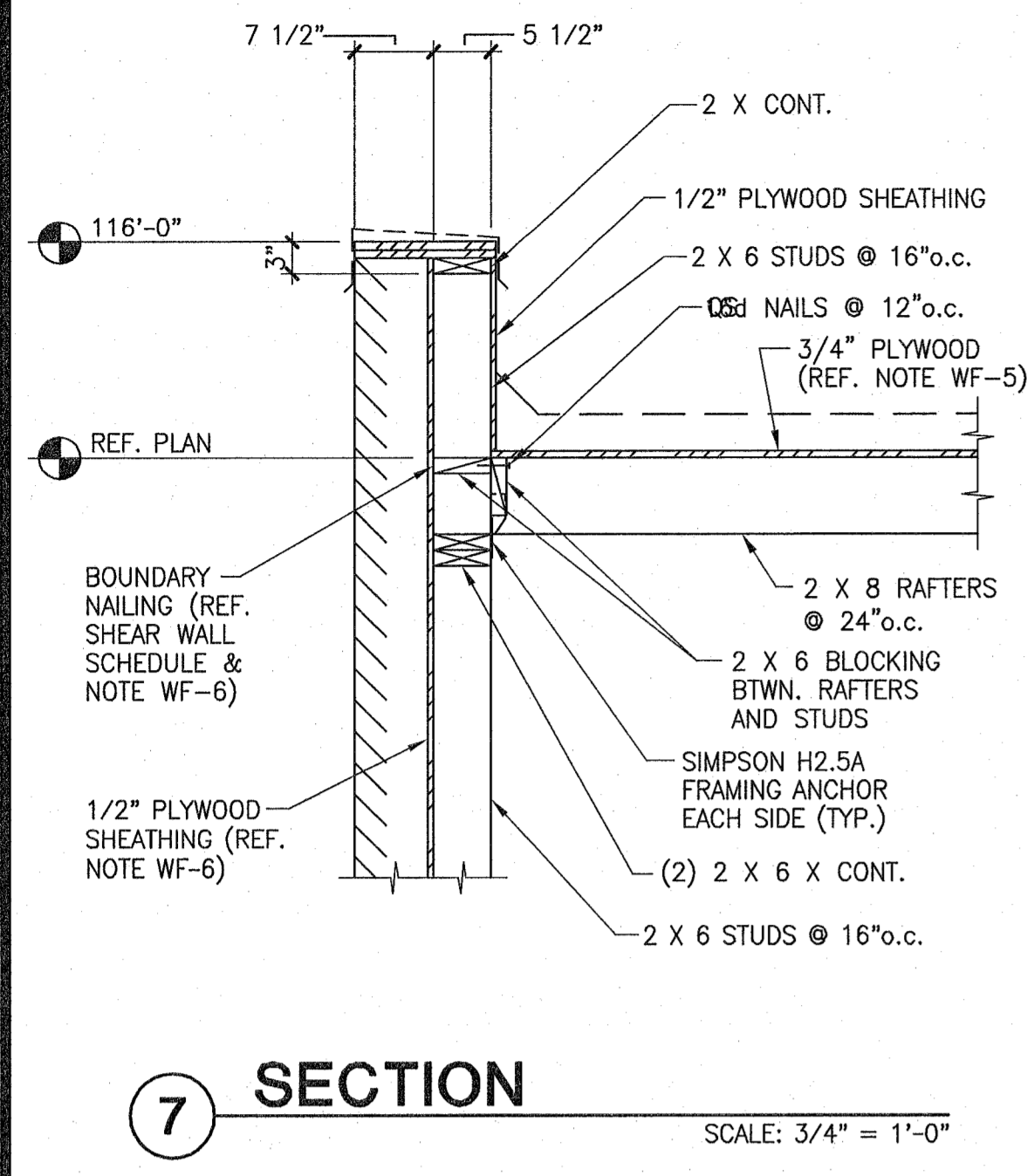
4 DETAIL TYPICAL BLOCKING AT CANOPY ATTACHMENT N.T.S.



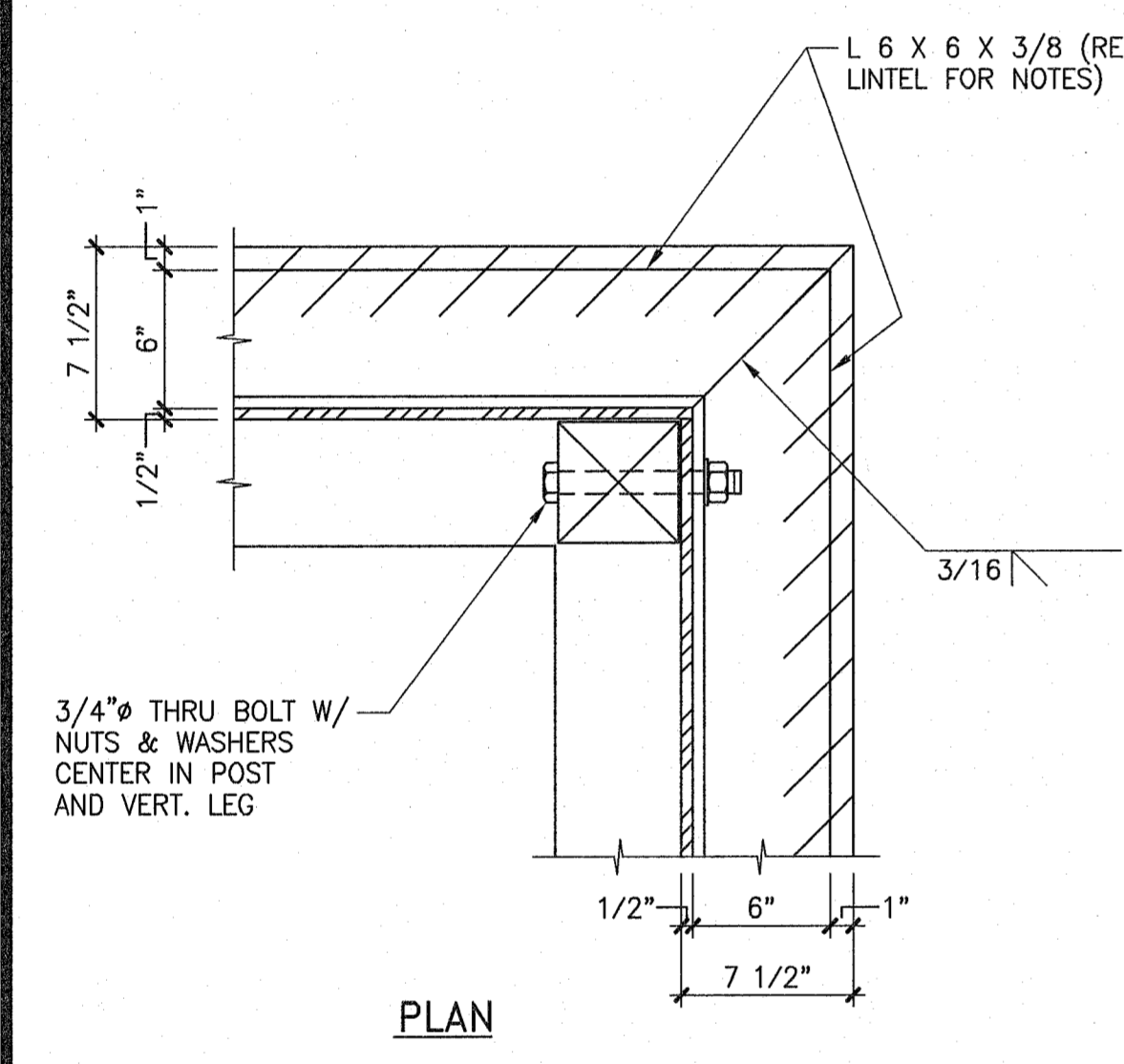
6 DETAIL TYP. TOP PLATE SPLICE CONN. N.T.S.



8 DETAIL TYP. HANGING BULKHEAD OR HOOD CONN. N.T.S.



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



8 DETAIL LINTEL SUPPORT AT COLUMN
N.T.S.

STEEL LINTEL SCHEDULE			
SIZE (MIN.-NOTE 4)	CLEAR OPNG.		REMARKS
	GREATER THAN	UP TO	
L 6 X 6 X 3/8	-	11'-0"	MIN. OF 8" BEARING @ EA. END

NOTES:

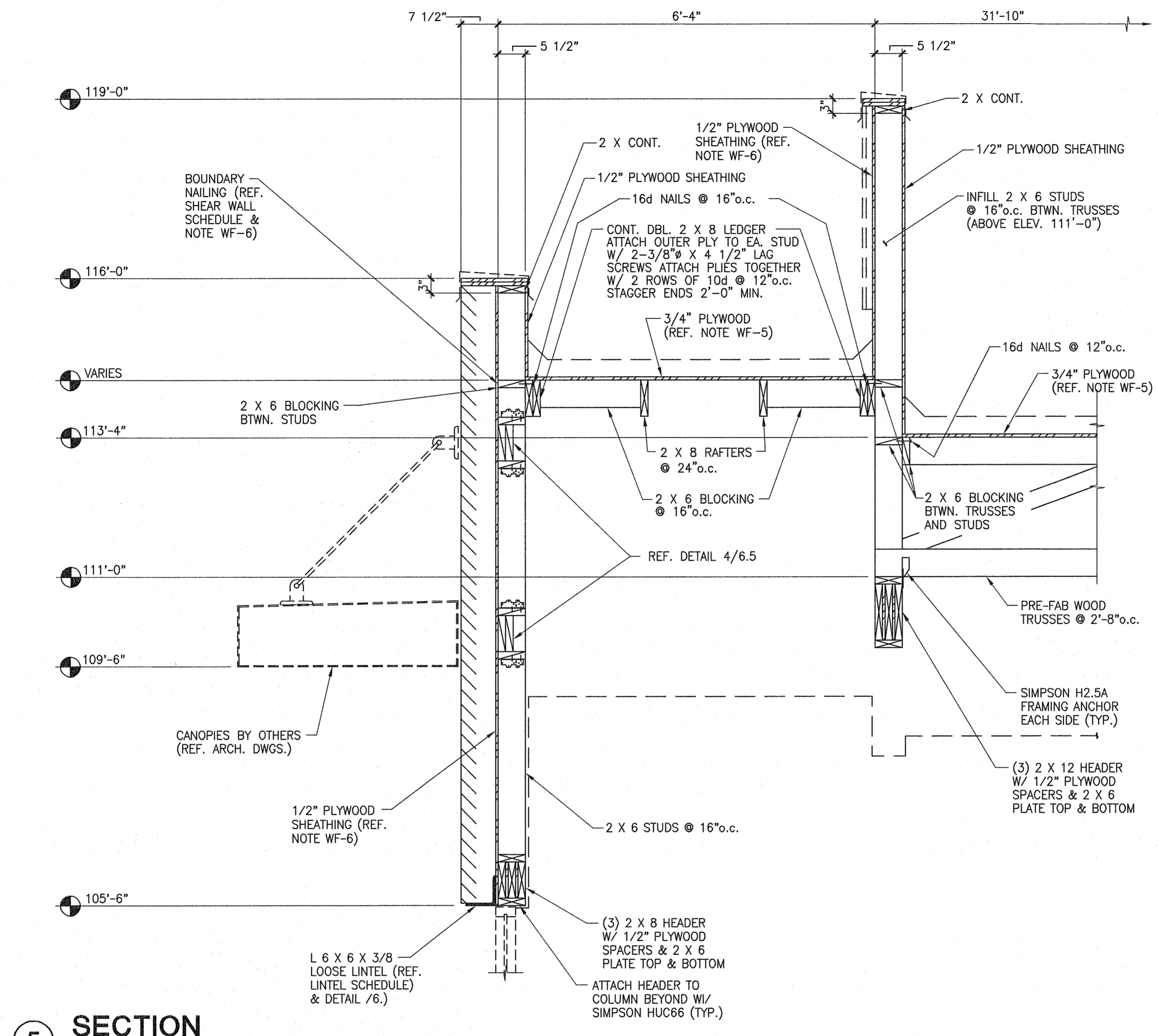
- PROVIDE ONE MEMBER FOR EACH 4" (NOMINAL) WIDTH OF MASONRY
- INSTALL ALL LOOSE LINTELS WITH LONG LEG VERT.
- PROVIDE SHORING UNDER LINTELS OVER 8'-0" LONG UNTIL GROUT HAS SET 72 HOURS
- ANGLE SIZE IS MIN. COORDINATE REQUIRED HORIZ. LEG DIMENSION W/ ARCH. DRAWINGS.
- LINTEL ANGLES SHALL BE HOT DIPPED GALVANIZED.

1" MAX. (TYPICAL)

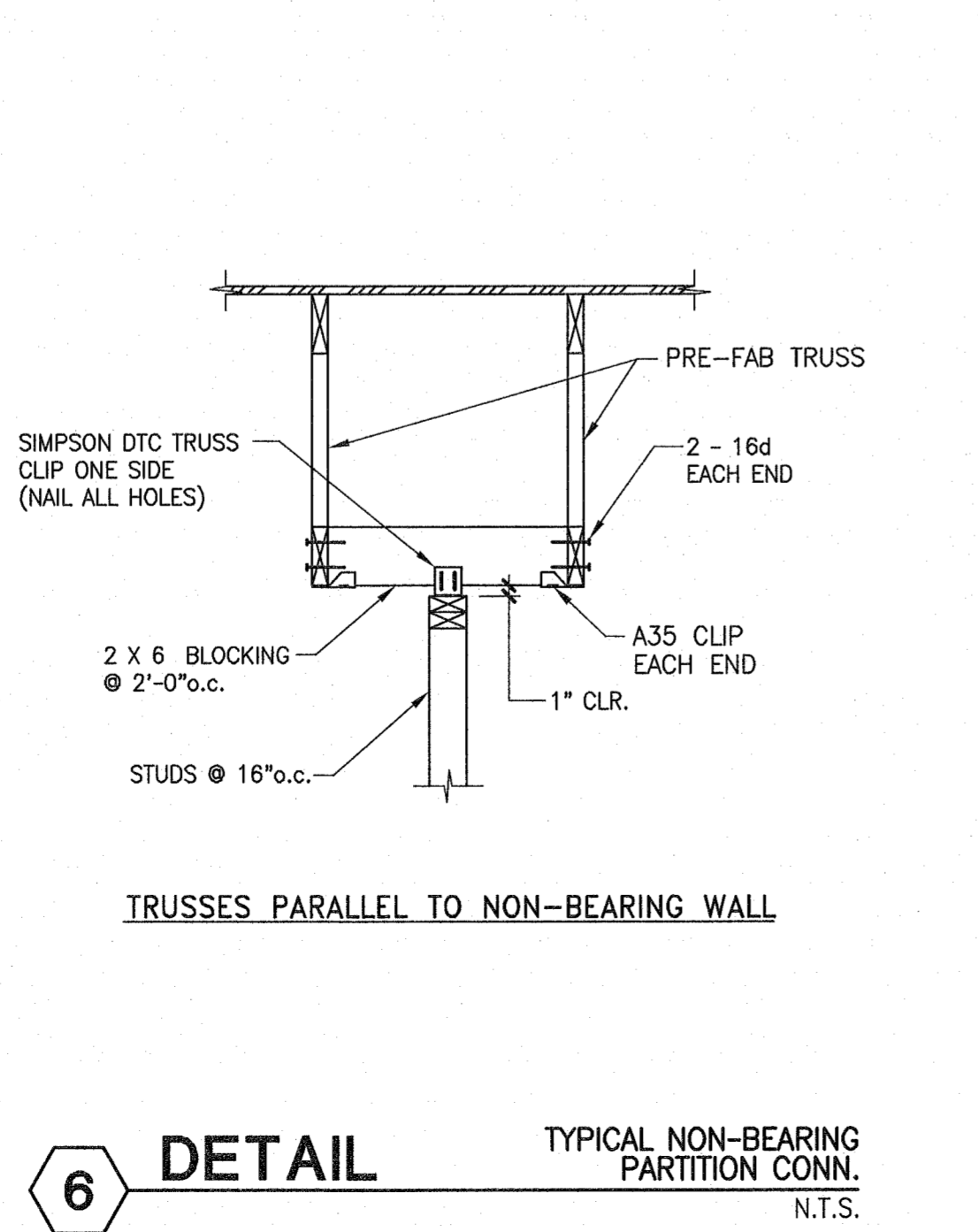
TYPICAL LINTEL DETAIL

- FOR SUPPORT OF MASONRY WEIGHT ONLY.
- DEFLECTION < L/600.

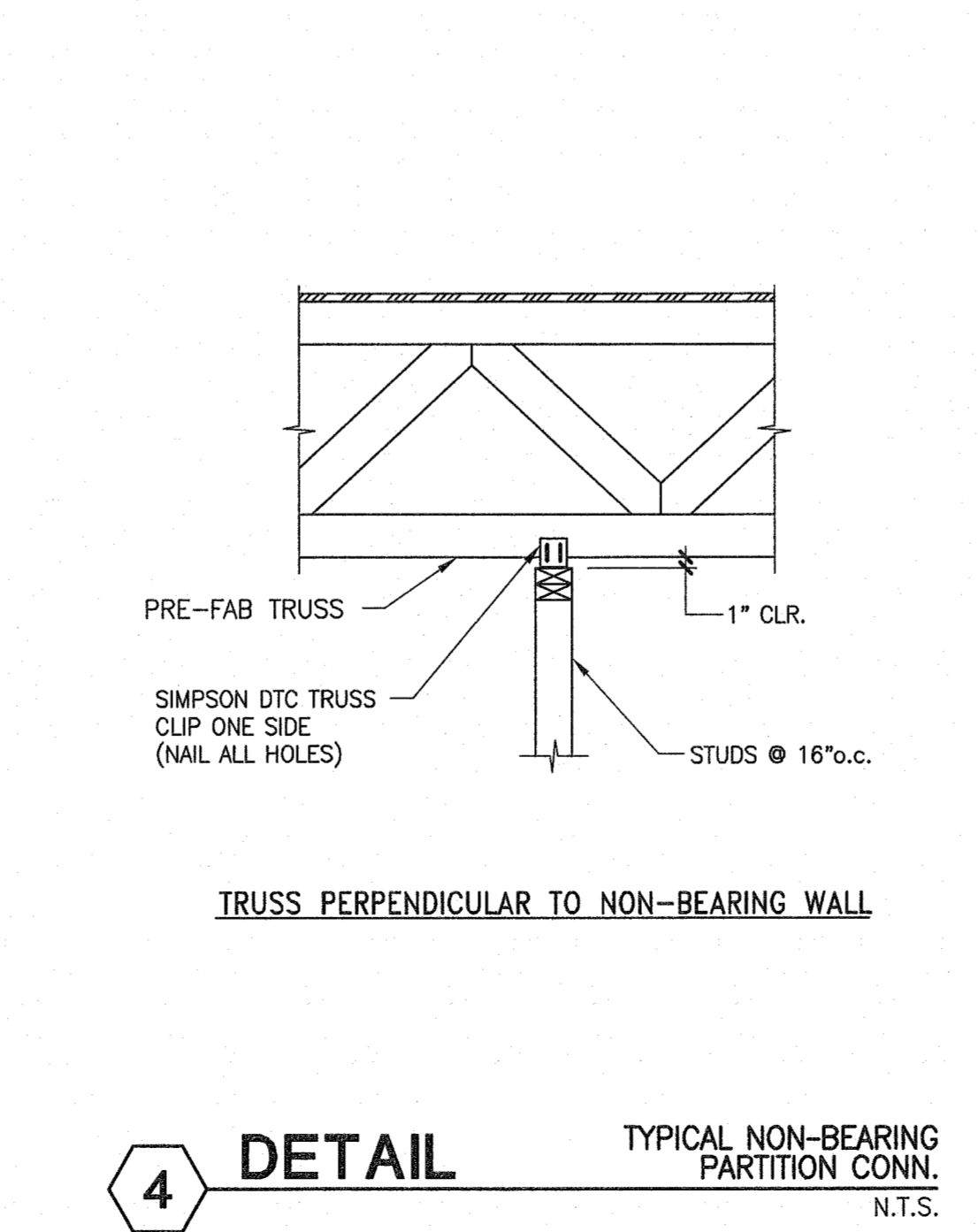
9 DETAIL TYPICAL LOOSE LINTELS
N.T.S.



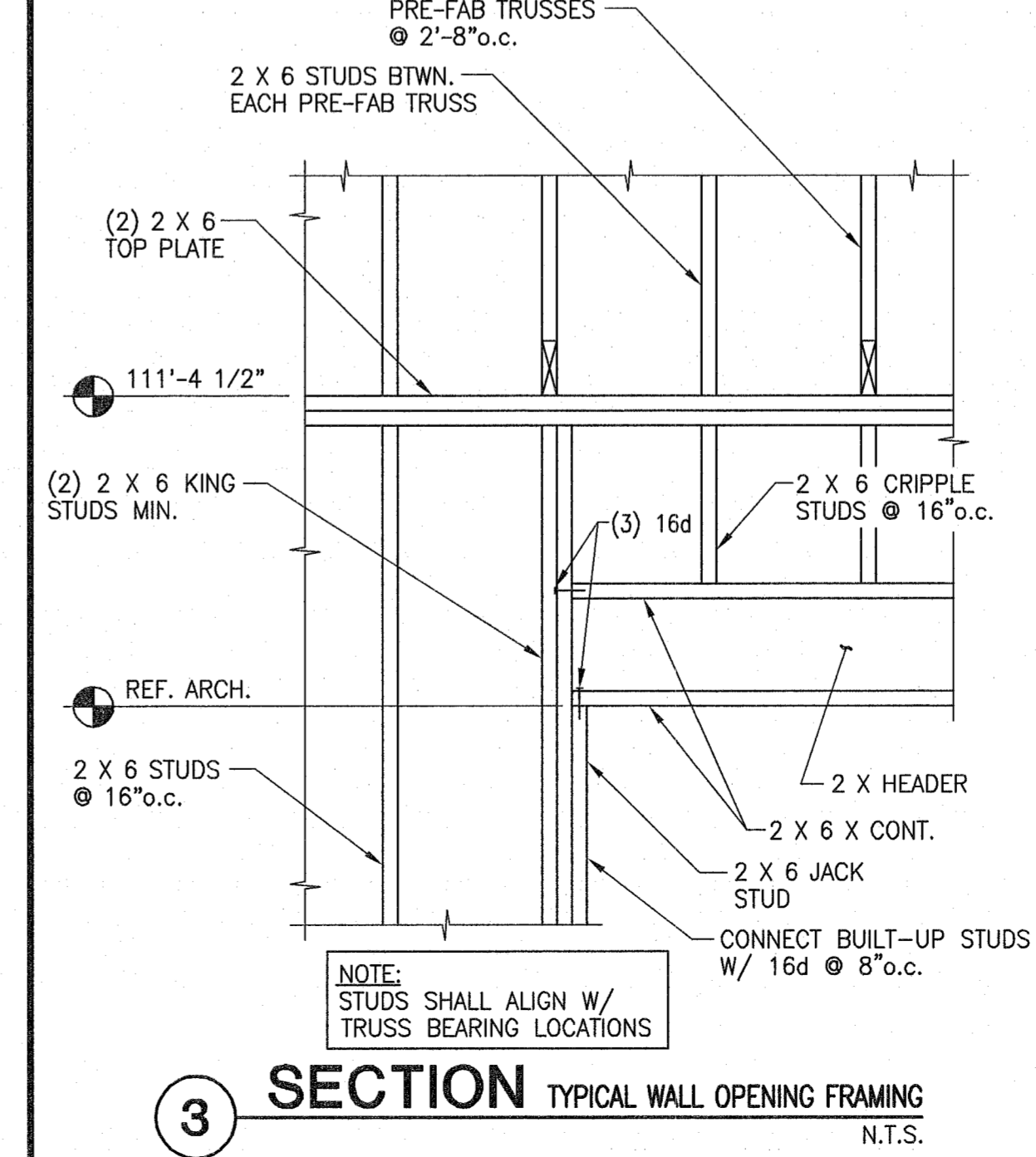
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SCALE: 3/4" = 1'-0"



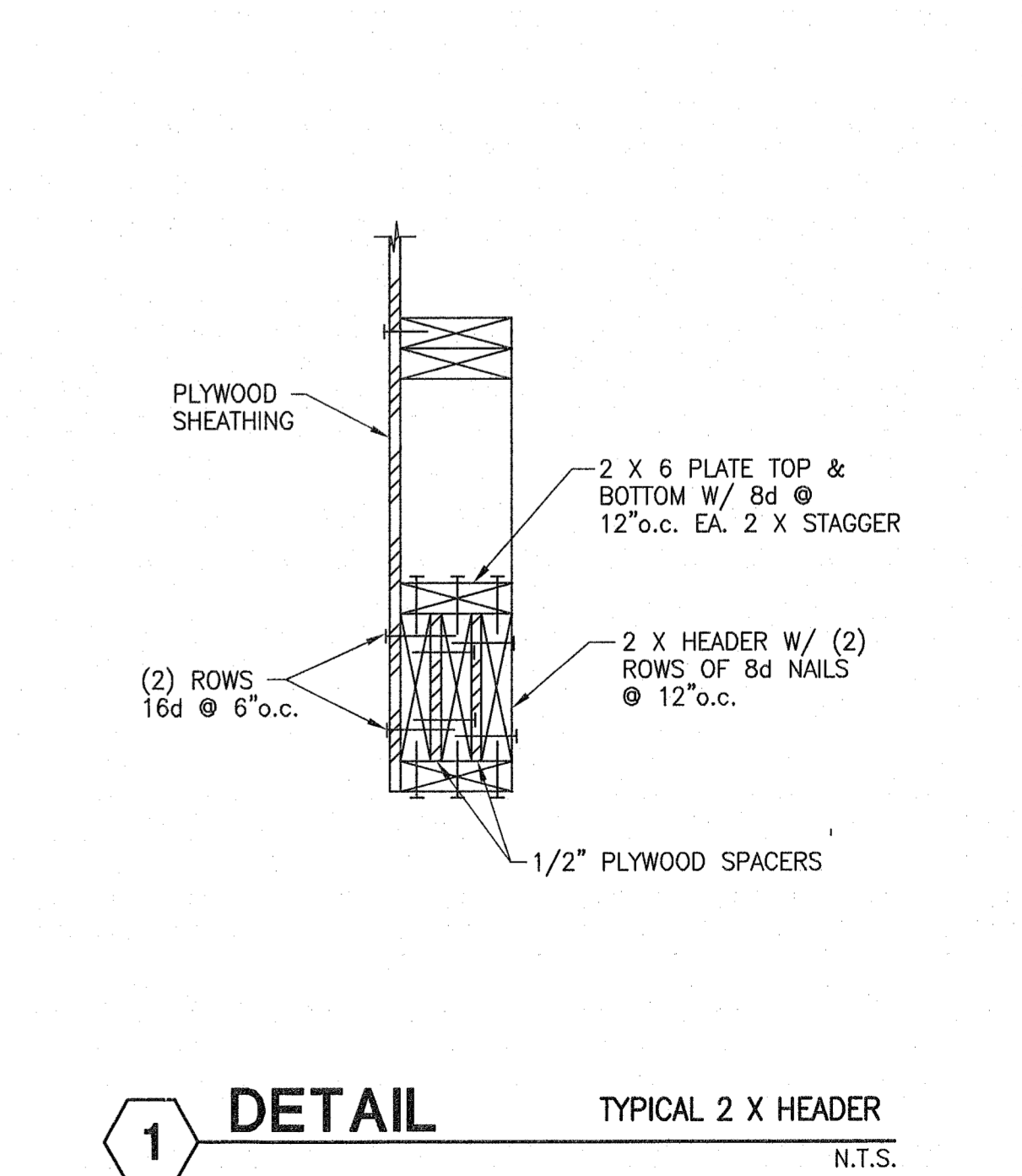
6 DETAIL TYPICAL NON-BEARING PARTITION CONN.
N.T.S.



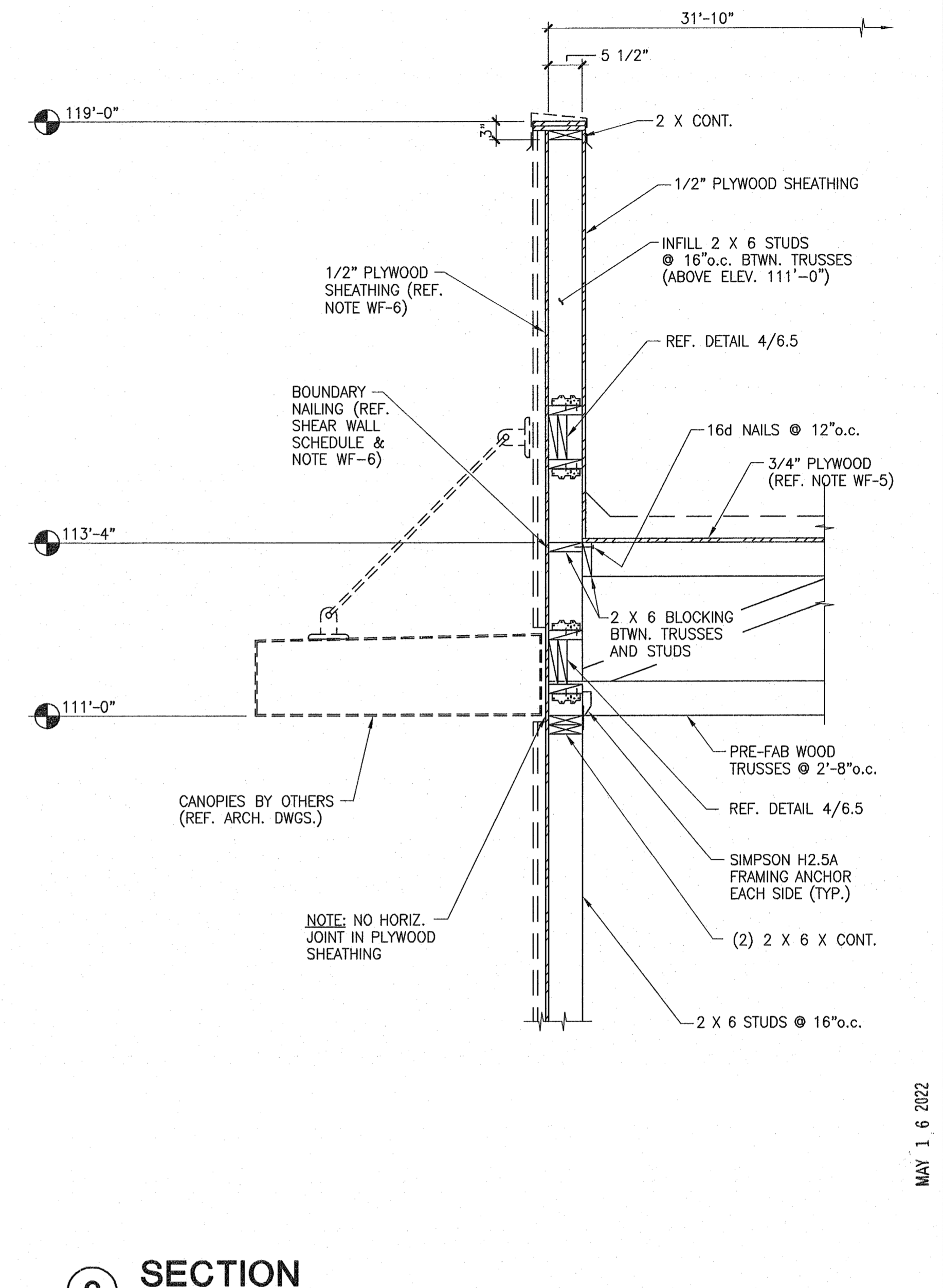
4 DETAIL TYPICAL NON-BEARING PARTITION CONN.
N.T.S.



3 SECTION TYPICAL WALL OPENING FRAMING
N.T.S.



1 DETAIL TYPICAL 2 X HEADER
N.T.S.



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

REVISIONS:

SECTIONS AND DETAILS

KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

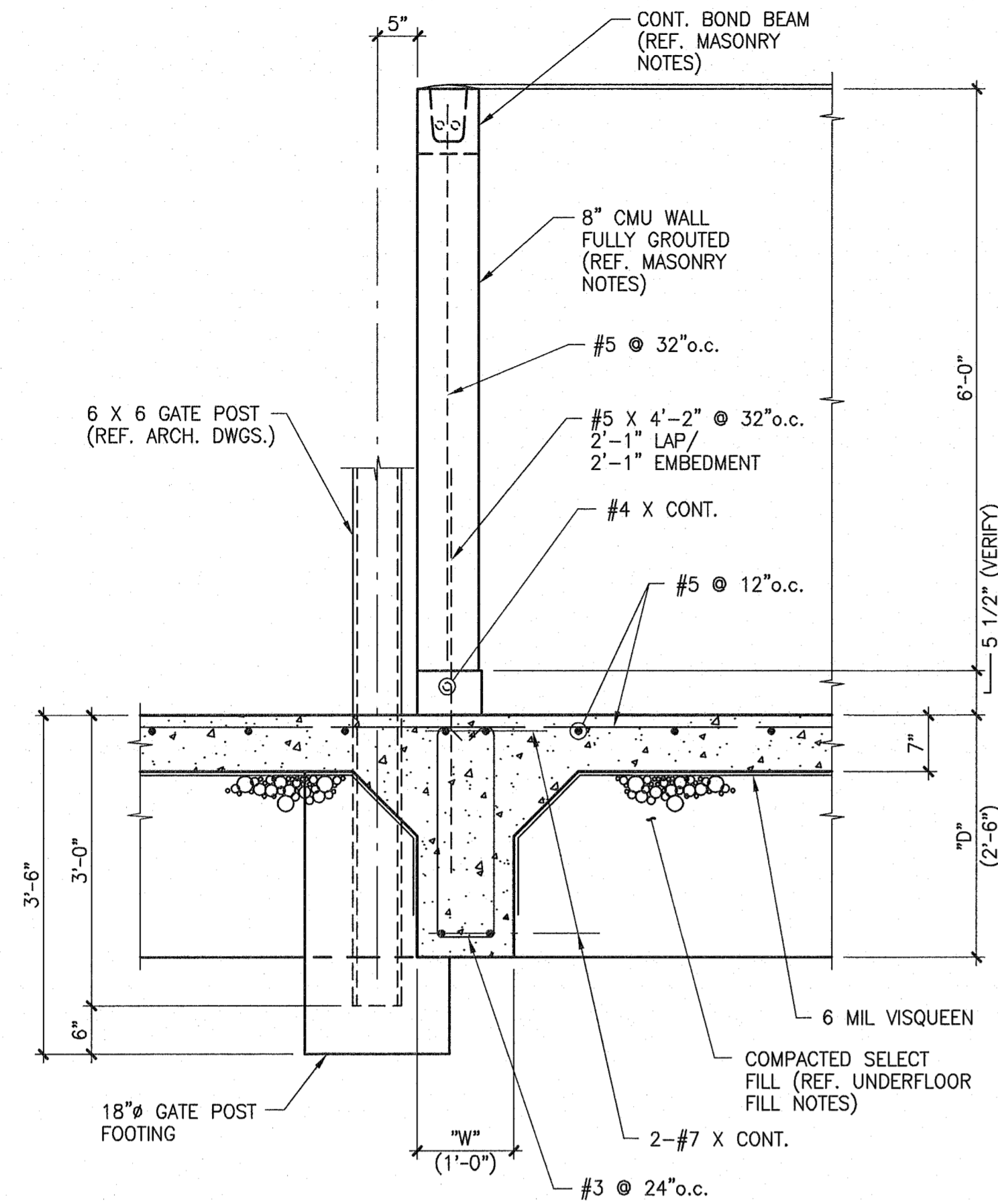
DANVISH & ASSOCIATES
STRUCTURAL ENGINEERS
E-002228

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ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

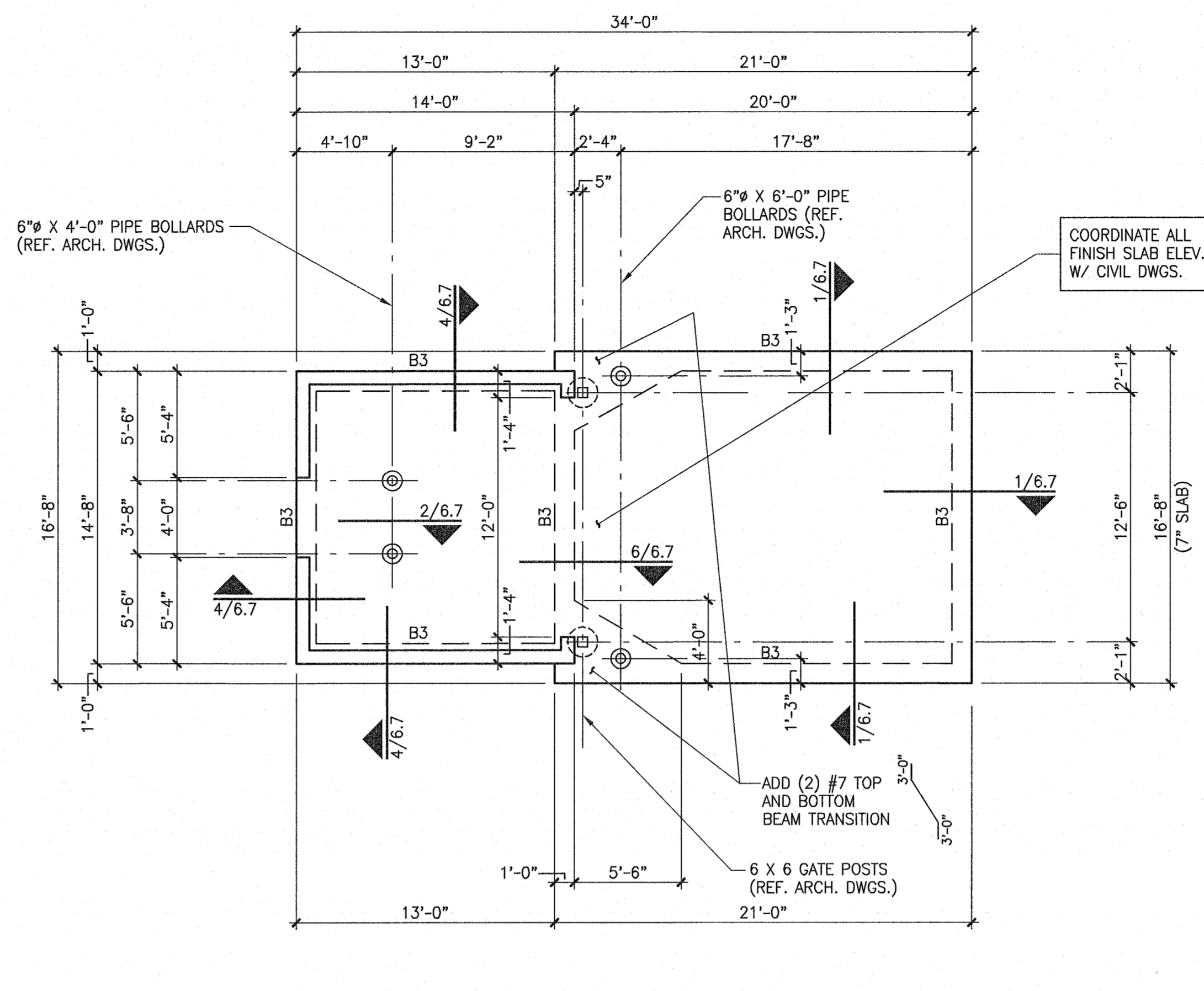
DATE: 05.16.22
JOB NO: 44343
DRAWN BY: R.G.
SHEET NUMBER: **6.6**

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 SCALE FACTOR: 16



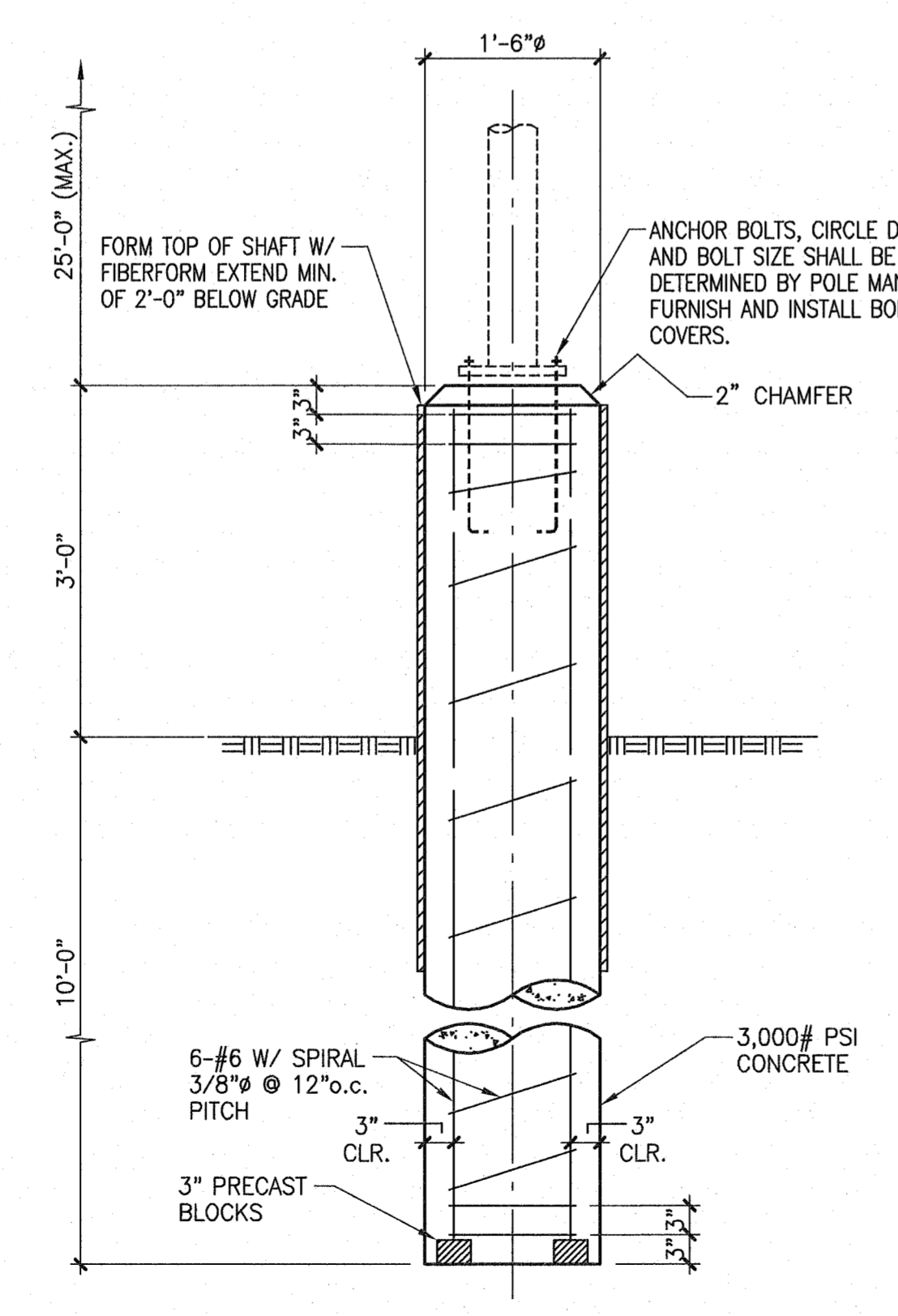
6 SECTION

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



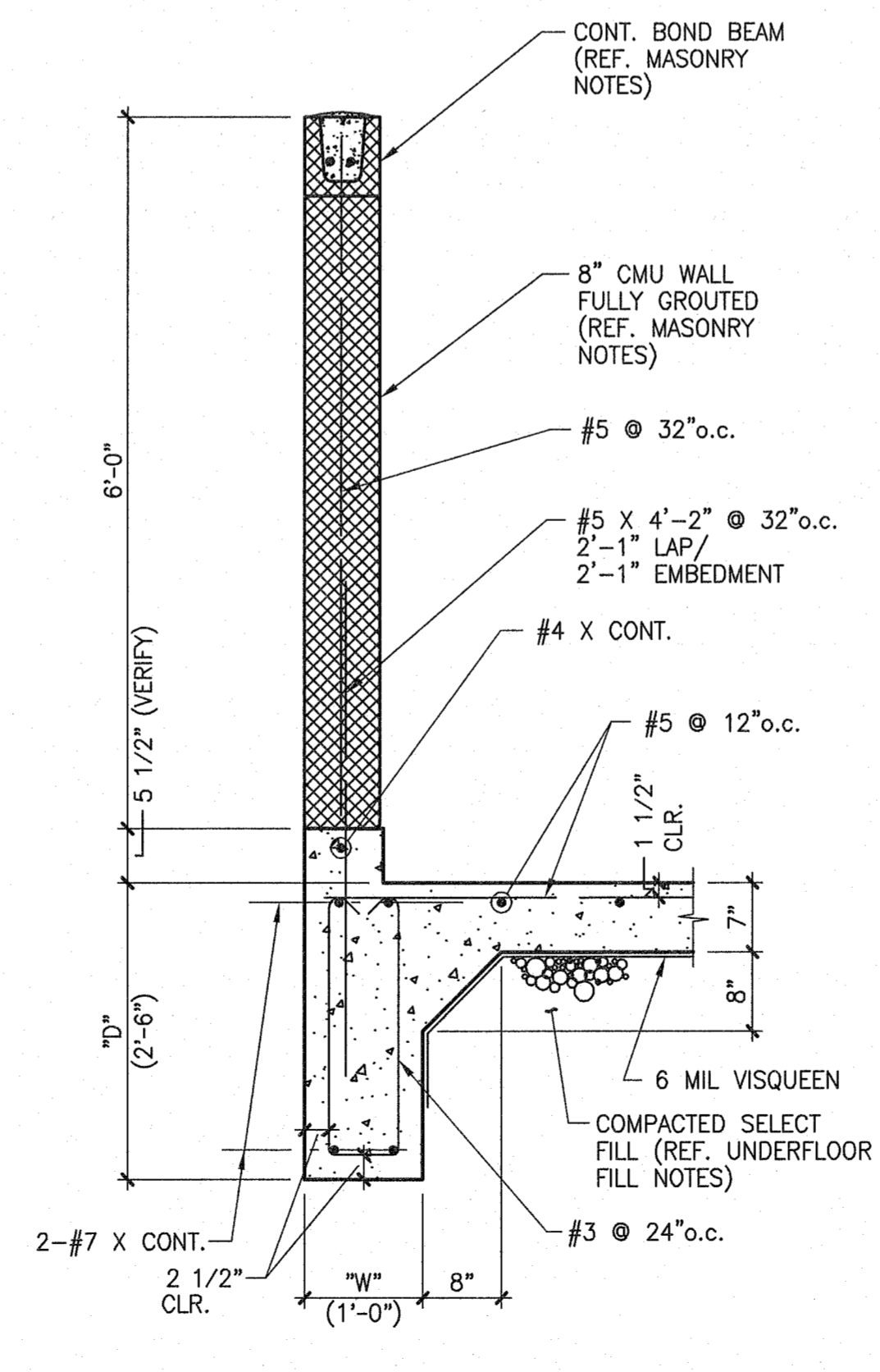
3 DUMPSTER FOUNDATION PLAN

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



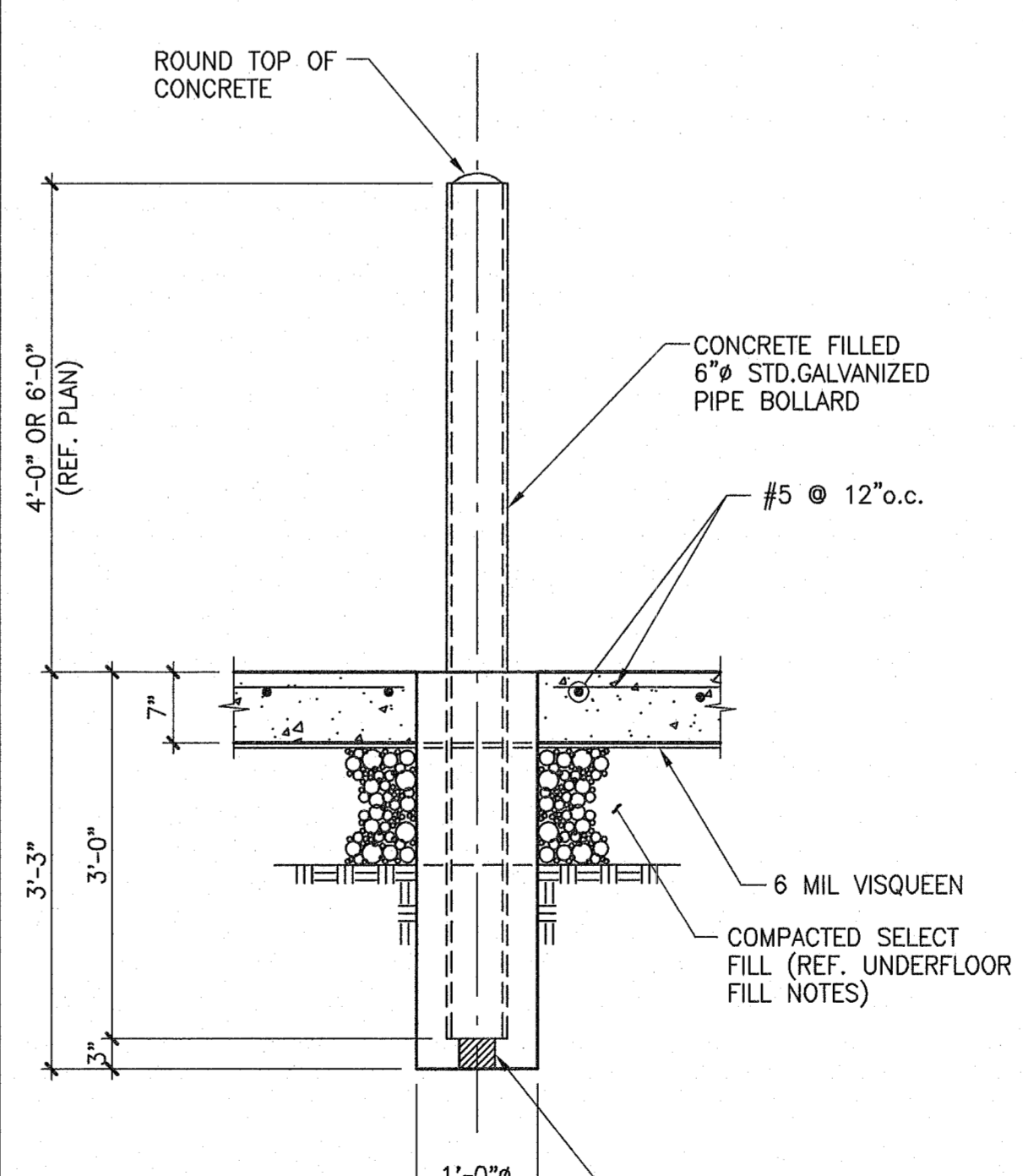
5 DETAIL LIGHT POLE FOOTING

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



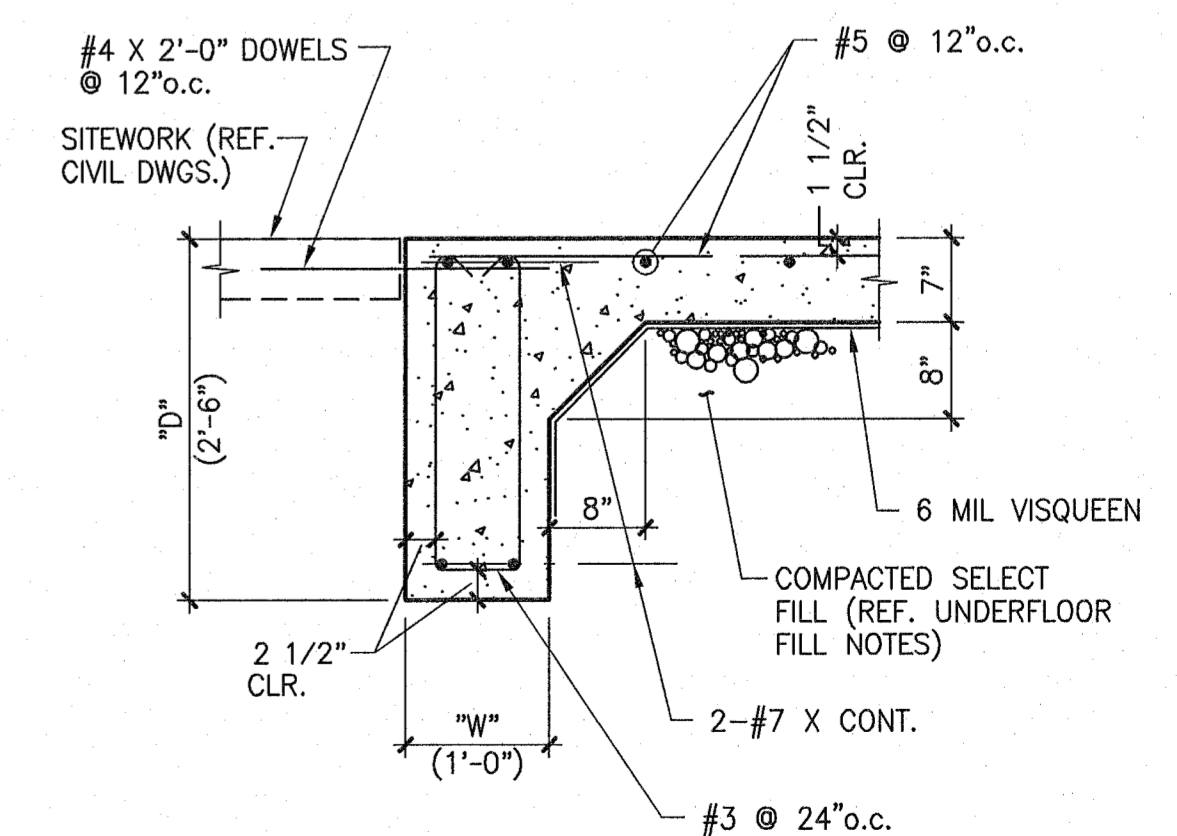
4 SECTION

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



2 SECTION

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



1 SECTION

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

MASONRY WALL REINFORCEMENT:

- MN-1 PROVIDE GROUTED REINFORCED VERTICAL CELLS AND HORIZONTAL BOND BEAMS AT WALL TOP EDGES, CORNERS, AND FREE ENDS, AND OTHER LOCATIONS WHERE SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS. REINFORCE EACH GROUTED CELL AND BOND BEAM WITH 1 - #4 BAR (MIN.) X CONTINUOUS. (UNLESS SHOWN OTHERWISE ON SECTIONS.) PROVIDE MATCHING DOWELS IN FOUNDATION FOR VERTICAL REINFORCEMENT. VERTICAL STEEL SHALL OVERLAP DOWELS AND SPLICES A MINIMUM OF 40 BAR DIAMETERS AND SHALL EXTEND A MINIMUM OF 6' INTO BOND BEAM AT TOP OF WALL.
- MN-2 REFER TO SECTIONS FOR REINFORCEMENT IN WALLS.
- MN-3 CMU SHALL HAVE UNIT STRENGTH OF 1900 PSI WITH A MINIMUM LINEAR SHRINKAGE OF 0.06% CONFORMING TO ASTM C90 GRADE N, TYPE I, AND A MAXIMUM WEIGHT OF 105 PCF (DRY). USE TYPE S MORTAR, PREPARED IN ACCORDANCE WITH ASTM C270 BY PROPORTION. (NO PRISM TESTS REQUIRED BUT RANDOMLY CHECK PROPORTIONS DAILY AND CONFIRM IN WRITING AS PER IBC TABLE 1704.5.1 ITEM 1a). REINFORCED CMU SHALL HAVE A MINIMUM COMPRESSIVE WALL DESIGN STRENGTH OF $f'_m = 1500$ PSI. GROUT FOR FILLED CELLS IN WALL SHALL BE MADE OF CEMENT, SAND, AND PEA GRAVEL IN APPROXIMATE RATIO OF 1:3:2 COMPLYING WITH ASTM C476 AND HAVE A SLUMP OF 8" TO 11". (ASTM C270: BY PROPORTION) REFER TO SECTION FOR CONCRETE FILLED CMU COLUMNS.
- MN-4 UNLESS NOTED ON PLANS, ALL NON-PAINTED CMU WHICH IS TO BE PERMANENTLY EXPOSED TO WEATHER, ADD WATER REPELLANT TO MIX FOR CMU AND FOR MORTAR. WATER REPELLANT TO BE "DRY-BLOCK" BY V. R. GRACE, OR APPROVED EQUIVALENT.
- MN-5 REBAR POSITIONERS SHALL BE USED TO LOCATE BARS IN THE CENTER OF THE CELLS; AT 1 FT. OFF SLAB, 2 FT. FROM TOP, AND AT A MAXIMUM SPACING OF 200 BAR DIAMETERS.
- MN-6 ALONG TOP OF ALL CMU WALLS, PROVIDE CONTINUOUS CONCRETE FILLED MASONRY BOND BEAMS (8 INCH MIN. DEPTH). REINFORCE WITH 2-#4 BARS. PROVIDE CORNER BARS.
- MN-7 SINGLE WYTHE WALLS: USE 2 WIRE TRUSS TIES. (4 9 SIDE AND CROSS RODS) MASONRY WALL REINFORCEMENT AT 16 INCHES O.C. VERTICALLY, WITH 6 INCH OVERLAPS. FIRST TIE LAYER TO BE ON THE FOUNDATION.
- MN-8 JOINT REINFORCEMENT SHALL BE PLACED SO THAT LONGITUDINAL WIRES ARE CENTERED ON THE WALL OR WYTHE AND ARE FULLY EMBEDDED IN MORTAR FOR THEIR ENTIRE LENGTH.
- MN-9 JOINT REINFORCEMENT SHALL BE LAPPED 6 INCHES OR MORE FOR DEFORMED LONGITUDINAL WIRES AND 12 INCHES OR MORE FOR SMOOTH LONGITUDINAL WIRES.

REVISIONS:

DUMPSTER PLAN AND DETAILS

Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

DANVISH & ASSOCIATES
STRUCTURAL ENGINEERS
F-002228

MAY 16 2022

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.16.22
JOB NO: 44343
DRAWN BY: R.G.
SHEET NUMBER:

6.7

DWG NO: 64-367-00
 DATE: 05/16/22
 DESCRIPTION: KFC - Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251
 DRAWING SCALE: 3/4" = 1'-0"
 SCALE FACTOR: 16

SECTION 31 23 16 STRUCTURAL EARTHWORK FOR BUILDING FOUNDATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 RELATED WORK DESCRIBED ELSEWHERE

A. Structural Quality Control and Testing Section 01 14 10

B. Special Inspections: IBC Chapter 17 Section 01 14 11

C. Geotechnical Quality Control & Testing Section 01 14 20

1.3 DESCRIPTION OF WORK

A. Extent

1. Extent of earthwork in this section is limited to the requirements of construction of structural building foundation.

B. Excavation for Mechanical/Electrical Work

1. Excavation and backfill required in conjunction with underground mechanical and electrical utilities, and buried mechanical and electrical utilities, and buried mechanical and electrical appurtenances is not included as work in this section, but is specified elsewhere.

C. Definitions

1. "Excavation" consists of removal of material encountered to subgrade elevations indicated and subsequent disposal of material removed.

2. "Building" shall include any attached walkway or other foundations shown on the structural foundation drawings.

1.4 QUALITY ASSURANCE

A. Special Inspections as required and specified by the International Building Code Chapter 17 will be conducted at Owner's expense. A commercial construction testing laboratory will perform soil testing and inspection services for quality control during earthwork operations. The testing laboratory shall be designated by the RDP/RC representing the Owner.

1.5 SUBMITTALS

A. Test Reports/Excavating

1. Submit following reports directly to Architect/Engineer from the testing services, with copy to Contractor:

a. Verification of specified depth of excavation.

b. Field density test reports, as follows:

1) One optimum moisture-maximum density curve for each type of soil encountered.

2) Report of actual unconfined compressive strength and/or results of bearing tests of each strata tested.

PART 2 - PRODUCTS

2.1 SELECT STRUCTURAL FILL

A. Refer to "Underfloor Fill Notes" on Sheet 6.1.

2.2 READY MIXED FLOWABLE FILL (RFF)

A. Flowable fill, also known as Controlled Low-Strength Material (CLSM), is to be used as fill where shown on the plans. It is unreinforced.

1. MATERIALS

a. Cement - ASTM C 150

b. Fly Ash - ASTM C 618, Class C or Class F

c. Water - ASTM C94

d. Fine Aggregate - natural or manufactured sand, or a combination thereof, free from injurious amounts of salt, silt, organic matter, etc.

Sieve Size	% Passing
3/4 inch	100
No. 200	0-10

2. MIX DESIGN

a. The following is a typical trial mix. Adjust proportions to achieve proper suspension and optimum flowability with a minimum density of 125pcf and a minimum 28 day compressive strength of 75psi. Use admixtures as necessary.

Cement	100 lbs.
Fly Ash	250 lbs.
Fine Aggregates	2800 lbs.
Water (approx.)	500 lbs. (60 gals.)

PART 3 - EXECUTION

3.1 EXCAVATION

A. Excavation is Unclassified

1. Excavation is unclassified, and includes excavation to subgrade elevations indicated, regardless of character of materials and obstructions encountered. Refer to plan notes.

B. Unauthorized Excavation

1. Unauthorized excavation consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Architect/Engineer. Unauthorized excavation, as well as remedial work directed by Architect, shall be at Contractor's expense.

2. Perform all earthwork described above before trenching for grade beams or mechanical lines.

C. Excavation

1. Refer to "Underfloor Fill Notes" Sheet 6.1.

3.2 DE-WATERING

A. Prevent surface water and subsurface or ground water from flowing into excavations and from flooding project site and surrounding area.

B. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil charges detrimental to stability or subgrades and foundation. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other de-watering system components necessary to convey water away from excavations.

C. Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rain water and water removed from excavations to collecting or run-off areas. Do not use trench excavations as temporary drainage ditches.

3.3 PROOF ROLLING

A. Refer to "Underfloor Fill Notes" Sheet 6.1.

3.4 COMPACTION

A. Refer to "Underfloor Fill Notes" Sheet 6.1.

3.5 FIELD QUALITY CONTROL

A. Allow testing service to inspect and approve subgrades and fill layers before further construction work is performed.

B. Perform field density tests in accordance with Texas Department of Transportation (TXDOT) Specification TEX-113-E.

3.6 TESTING OF SUBGRADE AND COMPACTED FILL

A. Refer to "Underfloor Fill Notes" Sheet 6.1.

B. If, in opinion of the testing laboratory and/or the Architect/Engineer, based on testing service reports and inspection, subgrade or fills which have been placed are below specified density, the contractor shall perform additional compaction and testing at no additional expense.

3.7 MAINTENANCE

A. Protect newly graded areas from traffic and erosion.

B. Keep area free of trash and debris.

3.8 RECONDITIONING COMPACTED AREAS

A. Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify the surface, re-shape, and compact to required density prior to further construction.

3.9 DISPOSAL OF EXCESS AND WASTE MATERIALS

A. Remove waste materials, including unacceptable excavated material, trash and debris, and dispose of it off Owner's property.

END OF SECTION 31 23 16

1.3 REFERENCES

A. ASTM E 1643-11 - Selection, Design, Installation and Inspection of Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs.

B. ASTM E-1745 - 11 Standard Specification for Plastic Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs: Exceeds Class A.

C. ASTM E-96 - Standard Test Methods for Water Vapor Transmission of Materials

D. GRI-GS-1-86 - Puncture Resistance

E. ASTM D 1709 - Standard Test Methods for Puncture Resistance.

F. ASTM D 638 - Standard Test Methods for Tensile Properties of Plastic; 1996

G. ASTM D 1790 - Standard Test Methods for Low Temperature Brittleness

H. ACI 022R-06 Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials

1.4 SUBMITTALS

A. Refer to Architect for submittal procedures.

B. Product Data: Provide manufacturer's printed product literature and description, including tests and standards that have been performed on the vapor barrier material.

C. Samples: Submit two, 8 1/2 x 11 inch in size, illustrating the vapor barrier and two (2) 8 1/2 inch long sample strips of the joint tape.

D. One each of all accessories that will be used in the installation.

E. Verification by independent testing labs indicating that materials comply with specified requirements.

F. Certificates: Certify that products of this section meet or exceed specified requirements.

G. Manufacturer's Instructions: Indicate complete installation instruction.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

B. Installer Qualifications: Company specializing in performing the work of this section with minimum five years of experience.

1.6 DELIVERY, STORAGE, AND PROTECTION

A. Deliver Vapor Barrier to project site in manufacturer's original container/packaging.

1.7 PROJECT CONDITIONS

A. Coordinate Vapor Barrier installation with size, location and installation of service utilities.

B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Basis of Design: Stego Wrap 15- mil Vapor Barrier by Stego Industries LLC, 949.257.4100

B. Approved Alternate: Vapor Guard by Reef Industries, 713-507-4250, www.reefindustries.com.

C. Approved Alternate: PMPC by WR Meadows

D. Alternates shall be equal in all specifications and applications

2.2 MATERIALS

A. Vapor barrier shall have all of the following qualities:

1. Maintain permeance of less than 0.01 Perms (grains/(ft² hr (inHg)) as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.5).

2. Other performance criteria:

a. Strength: ASTM E1745 Class A

b. Thickness: as shown on plans

3. Provide third party documentation that all testing was performed on a single production roll per ASTM E1745 Section 8.1

4. Extruded polyolefin membrane with thickness matching that specified on the plan notes.

5. Material manufactured with ISO certified virgin resins.

6. Sheet polyethylene is not an acceptable substitution.

2.3 ACCESSORIES

A. Tape:

1. High Density Polyethylene Tape with pressure sensitive adhesive: Minimum width 4".

2. Pipe Boot:

a. Construct pipe boots from vapor barrier material and pressure sensitive tape per manufacturer's instructions.

B. Penetration Prevention:

1. Do not puncture vapor barriers. Use a fixed-elevation point-to-point guide screen system with non-penetrating elevation guides and vapor barrier-safe interior forming and interior form bracing applications with non-penetrating devices.

a. Penetration Prevention:

1) Beast Foot by Stego Industries LLC, (877) 464-7634 www.stegoindustries.com or equal

b. Vapor Barrier-Safe Screen System

1) Beast Screen by Stego Industries, LLC, (877) 464-7634 www.stegoindustries.com or equal

C. Perimeter/Edge Seal

1. Edges to be sealed to concrete.

2. Sealing the perimeter with one-sided seam tape is prohibited.

3. Crete Claw by Stego Industries LLC, (877) 464-7634 www.stegoindustries.com or equal

2.4 CE QUALITY CONTROL AND TESTS

A. Reference Standards:

1. Water Vapor Retarders Used in Contact with Earth under Concrete Slabs: Exceeds Class A According to ASTM E 1745.

2. Water Vapor Transmission Rates: 0.006 gr./ft²/hr. according to ASTM E 96.

3. Permeance Rating Result: 0.01 gr./ft²/hr. according to ASTM E96

4. Puncture Resistance Result: 204.0 lbf/in², if according to GRI-GS-1-86.

5. Puncture Resistance Result: 1972.5 grams according to ASTM D 1709.

6. Tensile Strength Result: 54.2 lbs./MD and 55.5 lbs./CMD according to ASTM D 638.

7. Low Temperature Brittleness: Pass according to ASTM D1790.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that conditions are acceptable for the placement of the vapor barrier.

3.2 PREPARATION

A. Ensure that subsoil is approved by Structural Engineer.

1. Vapor Barrier may be installed over an aggregate, sand or tamped earth base.

3.3 INSTALLATION

A. Install Vapor barrier per manufacturer's instructions, illustrations and ASTM E1643-04-Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth Concrete Slabs.

3.4 INTERFACE WITH OTHER WORK

A. Coordinate work of all other trades related to the slab base and utility services.

3.5 CLEANING AND PROTECTION

A. Clean all contaminants from surface.

B. Protect installed vapor barrier from subsequent damaging construction operations.

C. Do not permit vehicular/heavy equipment traffic over unprotected vapor barrier.

END OF SECTION 07 26 20

SECTION 06 19 50 FABRICATED WOOD TRUSSED RAFTERS

PART 1 - GENERAL

1.1 SCOPE

A. Fabricate, supply and erect wood trusses as shown on the Drawings with steel connectors and gussets. Provide lateral support for trusses.

1.2 QUALITY ASSURANCE

A. Metal Connector Plate Manufacturer Qualifications: A manufacturer that is a member of TPI and that complies with quality-control procedures in TPI 1 for manufacture of connector plates.

1. Manufacturer's responsibilities include providing professional engineering services needed to assume engineering responsibility.

2. Engineering Responsibility: Preparation of Shop Drawings and comprehensive engineering analysis by a qualified Texas professional engineer.

B. Truss Fabricator shall participate in a recognized quality-assurance program that complies with quality-control procedures in TPI 1 and that involves third-party inspection by an independent testing and inspecting agency.

1.3 CODES AND STANDARDS

A. Trusses shall be designed in accordance with ANSI/TPI 1, *National Design Standard for Metal Plate Connected Wood Truss Construction* and this specification. Where any applicable design feature is not specifically covered by ANSI/TPI 1 or this specification, design shall be in accordance with the applicable provisions of the latest edition of ANSI/AWC NDS - *National Design Specification for Wood Construction*, and the International Building Code.

B. TPI DSB, "Recommended Design Specification for Temporary Bracing of Metal Plate Connected Wood Trusses."

C. TPI BCSI, "Building Component Safety Information: Guide to Good Practice for Handling, Installing, Restraint, & Bracing Metal Plate Connected Wood Trusses."

1.4 SHOP DRAWINGS AND PRODUCT DATA

A. Submit shop drawings prior to fabrication in accordance with Section 01334.1. Shop drawings to bear seal of Professional Engineer registered in Texas. Submit manufacturer's instructions on lateral bracing.

B. The shop drawings shall include, at a minimum, the following information:

1. Building Code used for design, unless specified on Cover/Truss Index Sheet.

2. Slope or depth, span, and spacing

3. Location of all joints and support locations.

4. Number of plies if greater than one.

5. Required bearing widths.

6. Design loads as noted on drawings.

a. Maximum Deflection Under Design Loads: a. Roof Trusses: Vertical deflection of 1/360 of span for live and snow loads and 1/240 of span for total loads.

7. Adjustments to wood member and metal connector plate design values for conditions of use.

8. Maximum reaction force and direction, including maximum uplift reaction forces where applicable.

9. Metal connector plate type, manufacturer, size, thickness or gauge, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joint interface.

10. Size, species, and grade for each wood member.

11. Truss-to-Truss connection and Truss field assembly requirements.

12. Calculated span to deflection ratio and/or maximum vertical and horizontal deflection for live and for live plus dead load and K_{cr} (creep factor) as applicable.

13. Maximum axial compression and tension forces in the Truss members.

14. Fabrication tolerance per ANSI/TPI 1.

15. Required Permanent Individual Truss Member Restraint location.

16. Truss Designer

1.5 DELIVERY, STORAGE, AND HANDLING

A. Handle and store trusses to comply with recommendations in TPI BCSI, "Building Component Safety Information: Guide to Good Practice for Handling, Installing, Restraint, & Bracing Metal Plate Connected Wood Trusses."

1. Store trusses flat, off of ground, and adequately supported to prevent lateral bending.

2. Protect trusses from weather by covering with waterproof sheeting, securely anchored.

3. Provide for air circulation around stacks and under coverings.

PART 2 - PRODUCTS

2.1 METAL CONNECTOR PLATES

A. Metal connector plates shall be manufactured by a SBCA member plate manufacturer and shall conform to the requirements of ANSI/TPI 1.

1. Shall be a minimum of 20 gauge, ASTM A-653, Grade 33, and galvanized coating shall meet or exceed G60.

2.2 LUMBER

A. Lumber used shall be identified by grade mark of a lumber inspection bureau or agency approved by the American Lumber Standards Committee Board of Review. Lumber shall meet the following criteria:

1. Minimum Properties:

a. Allowable Bending Stress:	1,500 PSI
b. Modulus of Elasticity:	1,500,000 PSI

2. Minimum Properties:

a. Allowable Bending Stress:	850 PSI
b. Modulus of Elasticity:	1,400,000 PSI

3. Maximum moisture content 19% at time of fabrication.

2.3 MANUFACTURER

A. The following are approved truss manufacturers:

1. FIVE STARS TRUSS

2. FOXWORTH-GALBRAITH

3. AMERICAN TRUSS, LLC

4. Any alternates shall be submitted for approval prior to submitting shop drawings.

PART 3 - EXECUTION

3.1 INSTALLATION, BRACING, REPAIRS

A. Apparent damage to Trusses, if any, shall be reported to Truss Manufacturer prior to erection.

B. Trusses shall be set and secured level and plumb, and in correct location. Each Truss shall be held in correct alignment until specified permanent restraint and bracing is installed.

C. Cutting and altering of Trusses is not permitted. If any Truss should become broken, damaged, or altered, written concurrence and approval by Truss Manufacturer/Engineer is required.

D. Concentrated loads shall not be placed on top of Trusses until all specified restraint and bracing has been installed and structural sheathing is permanently nailed in place. Specifically avoid stacking full bundles of construction materials or other concentrated loads on top of Trusses.

E. The Truss Submittal Package and any supplementary information provided by the Truss Manufacturer shall be provided by the Contractor to the individual or organization responsible for the installation of the Trusses.

F. Trusses shall be permanently restrained and braced in a manner consistent with good Building practices as outlined in BCSI and in accordance with the requirements of the Construction Documents. Trusses shall furthermore be anchored or restrained to prevent out-of-plane movement so as to keep all Truss members from simultaneously buckling together in the same direction. Such permanent lateral restraint shall be accomplished by: (a) anchorage to solid walls; (b) permanent diagonal bracing in the plane of the web members; or (c) other suitable means.

G. Materials used in temporary and permanent restraint and bracing shall be furnished by Contractor.

END OF SECTION 06 19 50

SECTION 07 26 20 VAPOR BARRIER

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Installation of a vapor barrier under concrete slab.

B. This vapor barrier shall be used in lieu of any vapor barrier of lesser thickness under the slab.

1.2 RELATED SECTIONS

A. Concrete Forms and Accessories Section 03 30 01

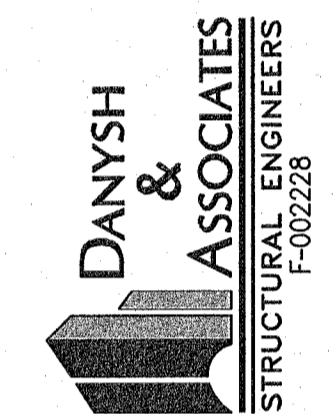
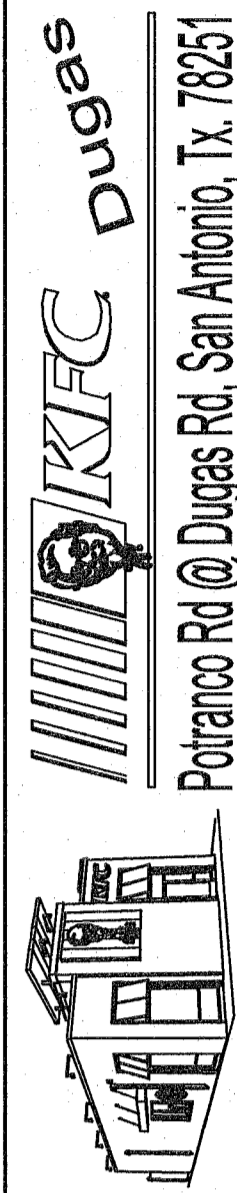
B. Concrete Reinforcement Section 03 30 01

C. C-I-P Concrete Section 03 30 01

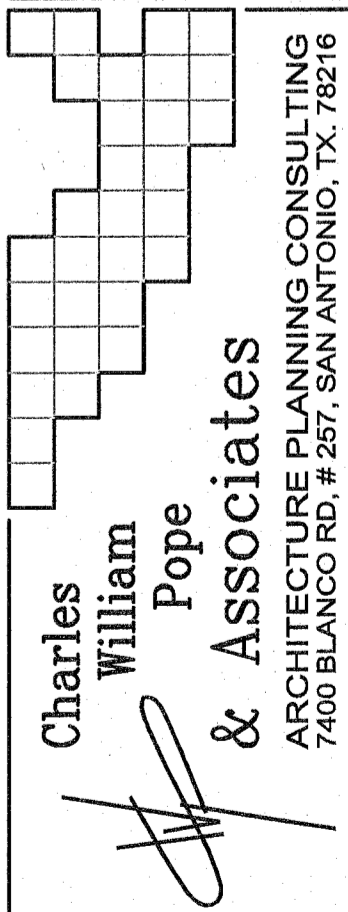
D. Structural Earthwork for Building Foundation Section 31 23 16

REVISIONS:

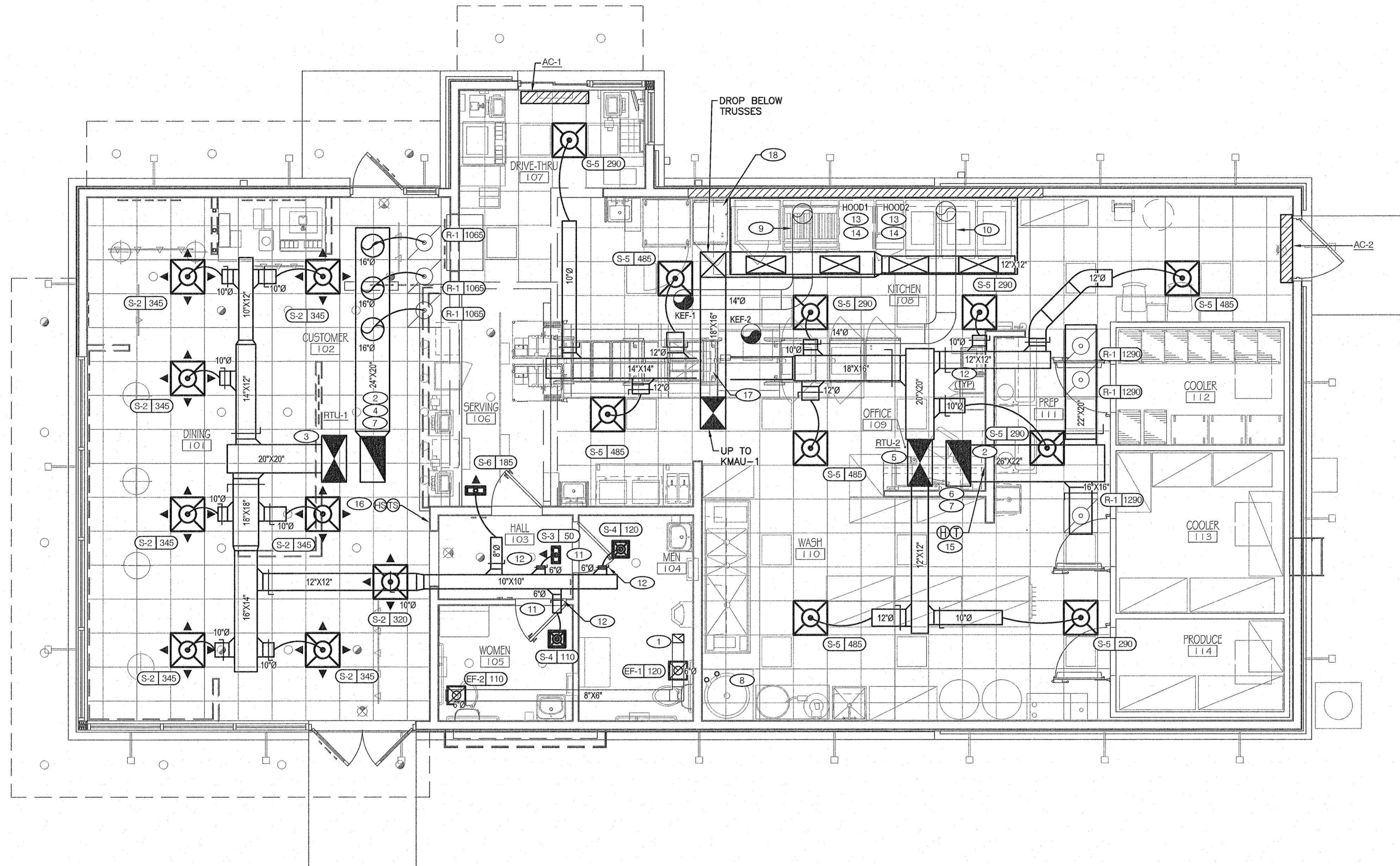
SPECIFICATIONS



MAY 1 6 2022



DATE: 05.16.22
JOB NO: 44343
DRAWN BY: R.G.
SHEET NUMBER: 6.10
OF



MECHANICAL DIFFUSER AND DUCT PLAN 1/4"=1'-0" **A**

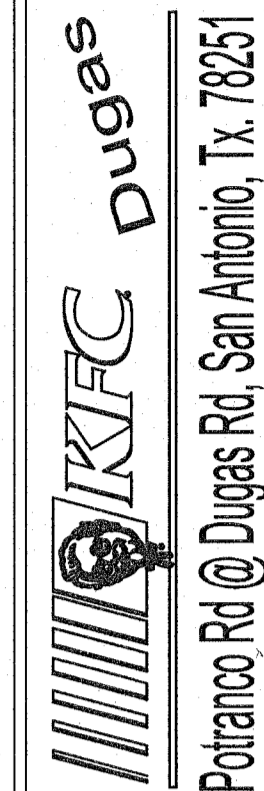
- KITCHEN MECHANICAL NOTES** **D**
- A. CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH HOOD DRAWING. PROVIDE AND INSTALL REQUIRED CONNECTIONS TO HOODS AND/OR EQUIPMENT. PROVIDE ALL WIRING, RELAYS, AND INTERLOCKS AS REQUIRED. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND WORKING WITH THE TEST AND BALANCE CONTRACTOR FOR PROPER BALANCING AND OPERATION OF ALL HOODS.
 - B. HOOD CONTROLS AND ANSUL SHALL BE FURNISHED BY KITCHEN EQUIPMENT VENDOR. TO BE INSTALLED BY ELECTRICAL CONTRACTOR AND FIRE SUPPRESSION CONTRACTOR.

- GENERAL NOTES** **C**
- A. INSTALLATION AND TERMINATION OF THE POWERED VENT SYSTEM FOR THE WATER HEATER SHALL BE IN ACCORDANCE WITH THE VENT AND WATER HEATER MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND LOCAL CODES AND REQUIREMENTS.
 - B. DINING ROOM / KITCHEN LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS. COORDINATE WITH ELECTRICAL DRAWINGS FOR CEILING GRID / LIGHT FIXTURE LOCATIONS.
 - C. THERMOSTATS SHALL BE PROGRAMMABLE WITH SUBBASE AND REMOTE TEMPERATURE SENSOR; REFER TO KEYNOTES 15 AND 16, THIS SHEET.
 - D. S/A DUCTS FOR RTU-1 (FRONT OF HOUSE) SHALL RUN PARALLEL TO TRUSSES; COORDINATE WITH STRUCTURAL DRAWINGS. SEE DETAIL 1 / S4.2.
 - E. DUCTWORK LOCATED IN EXPOSED CEILING SHALL BE INTERNALLY INSULATED.

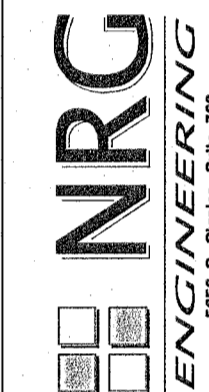
- KEY NOTES** **B**
- 1 8"x6" EXHAUST AIR DUCT UP TO ROOF MOUNTED MUSHROOM CAP. 200 CFM. SEE DETAIL 2 ON SHEET M4.0. PROVIDE BACKDRAFT DAMPER IN EACH EXHAUST DUCT CONNECTING EXHAUST FAN TO 8"Ø EXHAUST DUCT. EXHAUST FANS + MOTOR DAMPERS SHALL BE WIRED TO RESTROOM LIGHTS AND CONTROLLED BY MOTION SENSOR. COORDINATE WITH ELECTRICAL.
 - 2 THE INSIDE OF THE RETURN AIR DUCTS SHALL BE LINED FROM THE AIR HANDLING EQUIPMENT TO A DISTANCE OF 10' FROM THE UNIT WITH ULTRALITE #300 - 1/2" THICK OR OTHER APPROVED DUCT LINEAR ACOUSTICAL BOARD. THE MATERIAL SHALL BE FITTED CAREFULLY ON THE INSIDE OF THE DUCT AND SHALL BE FASTENED ON WITH CEMENT SUPPLEMENTED BY SCREWS AND WASHERS ON TOP AND SIDES OF DUCT.
 - 3 20 x 20 SUPPLY AIR DUCT: 3,200 CFM. CONNECT TO SUPPLY AIR OPENING AT ROOFTOP UNIT, RTU-1 (COORDINATE WITH RTU SUPPLIER / SPECIFICATIONS).
 - 4 24 x 20 RETURN AIR DUCT: 3,200 CFM. CONNECT TO RETURN AIR OPENING AT ROOFTOP UNIT, RTU-1 (COORDINATE WITH RTU SUPPLIER / SPECIFICATIONS).
 - 5 22 x 22 SUPPLY AIR DUCT: 3,865 CFM. CONNECT TO SUPPLY AIR OPENING AT ROOFTOP UNIT, RTU-2 (COORDINATE WITH RTU SUPPLIER / SPECIFICATIONS).
 - 6 26 x 22 RETURN AIR DUCTS: 3,865 CFM. CONNECT TO RETURN AIR OPENING AT ROOFTOP UNIT, RTU-2 (COORDINATE WITH RTU SUPPLIER / SPECIFICATIONS).
 - 7 FURNISH AND INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT, IN ACCORDANCE WITH LOCAL CODES. DUCT SMOKE DETECTOR WIRED BY ELECTRICAL CONTRACTOR, COORDINATE WITH ELECTRICAL.
 - 8 FURNISH AND INSTALL 3" SCHEDULE 40 PVC WATER HEATER CONCENTRIC VENT TO ROOF. COORDINATE WORK WITH ALL TRADES.
 - 9 14"Ø EXHAUST AIR DUCT DOWN, TRANSITION AS NECESSARY TO CONNECT TO EXHAUST HOOD. EXHAUST DUCT SHALL OFFSET IN CEILING SPACE TO CONNECT TO ROOF EXHAUST FAN KEF-1. SEE HOOD DETAILS ON DRAWING 7.11. SEE DETAILS ON SHEET 7.4 FOR FIRE PROTECTION OF DUCTWORK.
 - 10 14"Ø EXHAUST AIR DUCT DOWN, TRANSITION AS NECESSARY TO CONNECT TO EXHAUST HOOD. EXHAUST DUCT SHALL OFFSET IN CEILING SPACE TO CONNECT TO ROOF EXHAUST FAN KEF-2. SEE HOOD DETAILS ON DRAWING 7.11. SEE DETAILS ON SHEET 7.4 FOR FIRE PROTECTION OF DUCTWORK.
 - 11 UNDERCUT RESTROOM DOORS MIN. 1/2" FOR MAKE-UP AIR.
 - 12 PROVIDE MANUAL VOLUME DAMPER, TYPICAL AT ALL SUPPLY AIR AND RETURN AIR DIFFUSERS, IN ACCESSIBLE LOCATION WHENEVER POSSIBLE. FOR NON ACCESSIBLE LOCATIONS PROVIDE REMOTE CABLE CONTROL UNIT BOWDEN MODEL 270-301 AS MANUFACTURED BY YOUNG REGULATOR CO. OR APPROVED EQUAL.
 - 13 CANTILEVER HOOD SUPPORT RODS AWAY FROM DUCTWORK. USE ANGLE TO OFFSET THE SUPPORTS.
 - 14 EXHAUST DUCTWORK RUN BETWEEN ROOF TRUSSES.
 - 15 MASTER THERMOSTAT/HUMIDISTAT FOR RTU-1 AND THERMOSTAT FOR RTU-2.
 - 16 THERMOSTAT/HUMIDISTAT REMOTE SENSORS. MOUNT AT 60" A.F.F. DO NOT COVER WITH WALL, GRAPHICS. REPORT ANY DISCREPANCIES WITH LOCATION TO ARCHITECT.
 - 17 ROUTE DUCT BETWEEN TRUSSES.
 - 18 HOOD CONTROLS LOCATED IN UTILITY CABINET SEE HOOD DRAWINGS 7.5-7.11.

REVISIONS:

MECHANICAL FLOOR PLAN



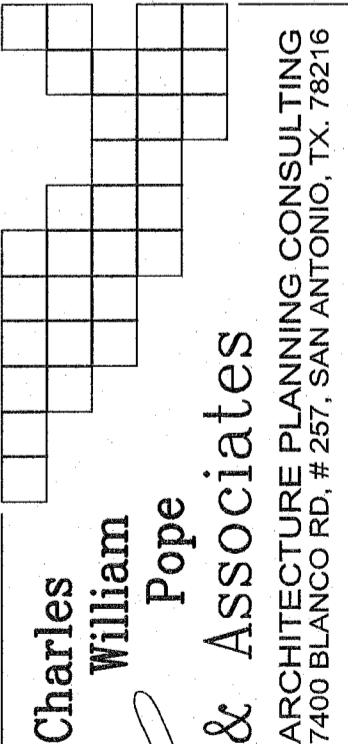
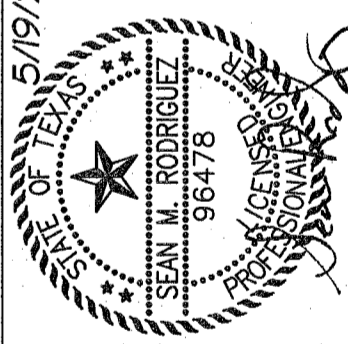
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251



ENGINEERING
R. W. Dugas, P.E., No. 78117
R. W. Dugas, P.E., No. 78117
R. W. Dugas, P.E., No. 78117
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22057

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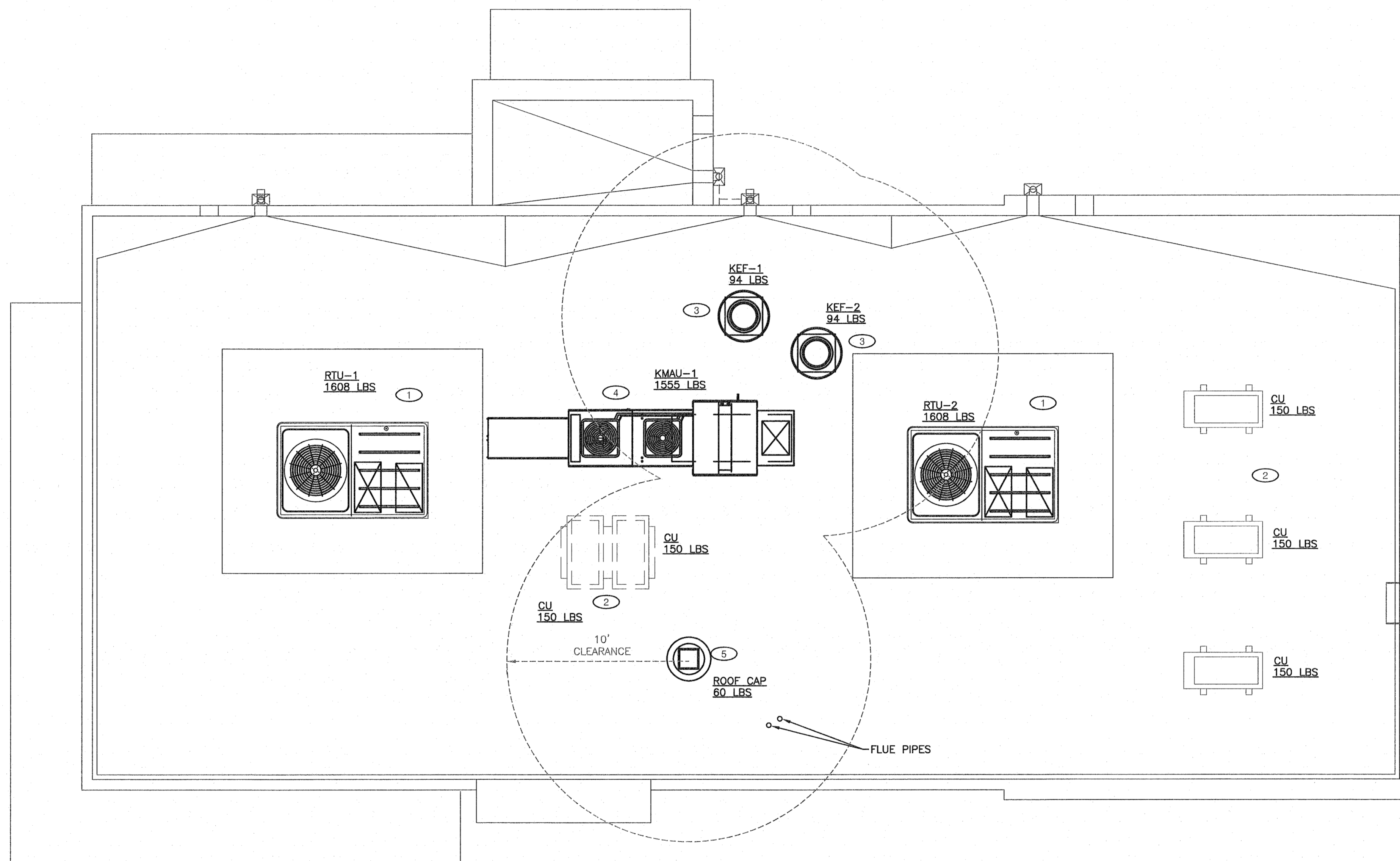
5/19/2022



DATE: 05.19.22
JOB NO: 44343
DRAWN BY: JMM
SHEET NUMBER:

7.1

OF



MECHANICAL ROOF PLAN 1/4"=1'-0" **A**

NOT USED	D	GENERAL NOTES	C
		<p>A. SEE PLUMBING PLANS FOR CONDENSATE DRAIN LINES.</p> <p>① PROVIDE ROOF TOP UNIT. COORDINATE EXACT LOCATION WITH STRUCTURE. ENSURE OUTSIDE AIR INTAKE IS A MINIMUM OF 10FT FROM BUILDING EXHAUST OUTLETS.</p> <p>② CONDENSING UNITS PROVIDED BY KITCHEN CONTRACTOR. INSTALL PER MANUFACTURERS INSTALLATION MANUAL.</p> <p>③ PROVIDE EXHAUST FAN IN APPROXIMATE LOCATION. COORDINATE WITH STRUCTURE FOR EXACT LOCATION.</p> <p>④ PROVIDE MAKE UP AIR UNIT IN APPROXIMATE LOCATION. COORDINATE WITH STRUCTURE FOR EXACT LOCATION.</p> <p>⑤ PROVIDE MANUFACTURERS ROOF CAP.</p>	<p>KEY NOTES</p> <p style="text-align: right;">B</p>

MECHANICAL ROOF PLAN

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10000 North Loop West, Suite 1000
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MAY 19 2022

Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.19.22
JOB NO: 44343
DRAWN BY: JMM
SHEET NUMBER:

7.2

OF

GENERAL:

- LOCATE, CUT AND FRAME ROOF OPENINGS AS SHOWN FOR ALL HVAC EQUIPMENT AND EXHAUST FANS.
- IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENINGS TO ENSURE THAT NO ADDITIONAL OFFSETS ARE REQUIRED IN THE EXHAUST DUCTWORK. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT.
- PROVIDE ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILING.

HVAC:

- INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NONRESIDENTIAL BUILDINGS, IF REQUIRED.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES, AND FINAL CONNECTIONS.
- ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS.
- FOR INSTALLATION OF RECHARGEABLE REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF, SEE SCOPE OF WORK.
- HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
- ALL ABOVE CEILING DUCTWORK SHALL BE EXTERNALLY INSULATED. DUCTWORK LOCATED IN EXPOSED CEILING SHALL BE INTERNALLY INSULATED. VERIFY DUCT INSULATION AND MINIMUM R-VALUE WITH GOVERNING CODE.
- ALL SUPPLY / RETURN DUCTS SHALL BE RIGID, WITH THE EXCEPTION OF THE LAST 5'-0" WHICH MAY BE FLEX.
- SMOKE DETECTOR SHALL BE INSTALLED IN THE RETURN AIR DUCT AND SHALL DEACTIVATE ROOFTOP UNIT UPON SENSING SMOKE. SMOKE DETECTOR SHALL BE INSTALLED, PRIOR TO ANY OUTSIDE AIR CONNECTIONS.
- ALL HOOD EXHAUST DUCTS SHALL BE RIGID 16 GA MINIMUM, WELDED DUCT. GRIND ALL WELDS SMOOTH. PROVIDE FIRE MASTER DUCT WRAP FOR ALL HOOD EXHAUST DUCTS. SEE 15/7.11.
- ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT TAKEOFFS FOR AIR BALANCING. PROVIDE ACCESS PANELS TO DAMPERS. SEE 8 / 7.4.
- ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR VENTS.
- FINAL HVAC SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENT'S ARRIVAL, EQUIPMENT NOT WIRED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM / STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES, OWNER WILL REQUEST A RE-TEST AND THE COST FOR SAME SHALL BE ALSO INCURRED BY THE GENERAL CONTRACTOR.
- THERMOSTATS; SEE SCOPE OF WORK.
- REMOTE THERMOSTAT SENSORS; SEE SCOPE OF WORK.
- SUPPLY AIR TEMPERING (SAT) CONTROL; SEE SCOPE OF WORK. SAT FUNCTION: IF ROOM TEMPERATURE IS AT ESTABLISHED 'SET-POINT', AND THE SUPPLY DUCT TEMPERATURE IS 10 DEGREES BELOW SET-POINT, SAT CONTROLS INITIATE FIRST STAGE HEATING TO PREVENT COLD AIR DRAFTS FROM ENTERING THE CONDITIONED SPACE.

GENERAL NOTES 6

SYMBOL & ABBREV.	DESCRIPTION
	SA/SUP SUPPLY AIR (RISE/DROP)
	RA/RET RETURN AIR DUCT (RISE/DROP)
	EA/EXH EXHAUST AIR DUCT (RISE/DROP)
	CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)
	RRVRG RETURN REGISTER/GRILLE
	ERVEG EXHAUST REGISTER/GRILLE
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
	FC FLEXIBLE CONNECTION
	MVD MANUAL VOLUME DAMPER
	FD FIRE DAMPER
	(L) DUCT LINING (1" THICK UNLESS OTHERWISE NOTED)
	SINGLE LINE DUCT BRANCH TAKEOFF
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	FLEX FLEXIBLE DUCT (14'-0 MAXIMUM)
	T-STAT THERMOSTAT; SEE GENERAL NOTE 17, THIS SHEET
	T-S THERMOSTAT SENSOR (REMOTE); SEE GENERAL NOTE 18, THIS SHEET
	CD CONDENSATE DRAIN
	DIA DIAMETER
	DL DOOR LOUVER
	UC DOOR UNDERCUT
	MECHANICAL EQUIPMENT DESIGNATION
	A/C, AC AIR CONDITIONING
	BDD BACK DRAFT DAMPER
	SD SMOKE DETECTOR; SEE GENERAL NOTE 10, THIS SHEET.

SYMBOL & ABBREV.	DESCRIPTION
CB	CIRCUIT BREAKER
CLG.	CEILING
CONN.	CONNECT/CONNECTION
CONT.	CONTINUATION
CONTR	CONTRACTOR
CFM	CUBIC FEET PER MINUTE
DET.	DETAIL
DISC.	DISCONNECT
DTR	DOWN THRU ROOF
EF	EXHAUST FAN
(E)	EXISTING
GA.	GAGE/GAUGE
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
MFR.	MANUFACTURER
MECH.	MECHANICAL
(N)	NEW
OA/OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
S/S	STAINLESS STEEL
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
UTR	UP THRU ROOF

MECHANICAL SYMBOLS 7

XX-XXX	AREA SERVED	MANUFACTURER AND MODEL NUMBER	NOZZLE WIDTH (IN)	AIRFLOW (CFM)	FAN MOTORS			ELECTRICAL DATA			NOTES
MARK					QTY	HP	VOLT/PH	HP	MCA	MOCP	
AC-1	DRIVE THRU	BERNER SLC07-1048A	46.62	1,370	1	1/5	120/1	1/5	3.4	15	1-4
AC-2	KITCHEN	BERNER SLC07-1048A	46.62	1,370	1	1/5	120/1	1/5	3.4	15	1-4

- NOTES: 1. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH. 2. NO HEATER
3. DOOR SWITCH WITH DELAY TIMER; SET DELAY TIMER TO 30 SECONDS. 4. STANDARD FINISH

AIR CURTAIN 8

XX-XXX	AREA SERVED	FAN DATA					COOLING CAPACITY				HEATING CAPACITY			UNIT ELECT DATA			MANUFACTURER AND MODEL NUMBER	REMARKS	
		SUPPLY CFM	MIN O.A. CFM	ESP	HP	RPM	NOM TONS	MIN CAP (MBH) TOT/SEN	EER / IEER	INPUT STAGE (MBH)	OUTPUT (MBH)	PHASE (STAGES)	AFUE	VOLT/PH	MCA	MOCP			WEIGHT (LBS)
RTU-1	DINING	3200	800	0.85	2.75	1255	10	105.487.0	12.4 / 14.70	150	120	2	80	208/3	48	60	1608	TRANE YHC120F3FLA	SEE NOTES 1-6
RTU-2	KITCHEN	3865	300	0.85	2.75	1421	10	104.786.8	12.4 / 14.70	150	120	2	80	208/3	48	60	1608	TRANE YHC120F3FLA	SEE NOTES 1-5

NOTES:

- PROVIDE UNIT WITH 14" FACTORY INSULATED CURB. CURB SHALL BE SECURED TO THE STRUCTURE AS PER STRUCTURAL ENGINEERS RECOMMENDATIONS.
- SPECIFIED RTUS ARE DOWN DISCHARGE PACKAGED GAS / ELECTRIC ROOFTOP UNITS. INCLUDES THROUGH THE ROOF CURB POWER, GAS & CONDENSATE DRAIN. GAS PIPING SHALL BE FACTORY PIPED WITH SHUT-OFF OUTSIDE OF UNIT.
- SPECIFIED UNIT INCLUDES HINGED ACCESS DOORS, 2" MERV 8 PLEATED FILTERS, LOW AMBIENT CONTROL TO 0°F, ENTHALPY ECONOMIZER, MOTORIZED OUTSIDE AIR DAMPER, CIRCUIT BREAKER WITH SINGLE POINT WIRING, HAIL GUARD, AND FACTORY FABRICATED, KNOCK-DOWN ROOF CURB.
- SPECIFIED UNIT INCLUDES AN UN-POWERED CONVENIENCE OUTLET AND SMOKE DUCT DETECTOR IN THE RETURN DUCT OF UNIT.
- ACCEPTABLE ALTERNATE MANUFACTURERS: LENNOX, CARRIER, ACON, AMERICAN STANDARD, AND YORK.
- SPECIFIED UNIT INCLUDES HOT GAS REHEAT COIL FOR DEHUMIDIFICATION. CONTRACTOR TO FIELD INSTALL HUMIDISTAT AS SHOWN ON THE PLANS.

HVAC UNIT SCHEDULE 1

XX-XXX	CFM	SP	RPM	HP	ELECT	STARTER	ACCESSORIES					MANUFACTURER AND MODEL NUMBER	REMARKS	
MARK							DISC	BDD	BIRD SCREEN	V-BELT	D-DR			
KEF-1	1800	1.0	1380	0.75	115/1	-	X					X	CAPTIVEAIRE DU8SHFA	SEE NOTES 1,2,3,4,5,6,9,10
KEF-2	1800	1.0	1380	0.75	115/1	-	X					X	CAPTIVEAIRE DU8SHFA	SEE NOTES 1,2,3,4,5,6,9,10
EF-1	120	0.5	978	15W	115/1	-	X	X				X	GREENHECK SP-A125	SEE NOTES 7,8
EF-2	110	0.5	907	12W	115/1	-	X	X				X	GREENHECK SP-A125	SEE NOTES 7,8

FAN SCHEDULE 2

XX-XXX	QUANTITY	NECK SIZE	DIFFUSER FACE OR CEILING GRID SIZE	TYPE	AIR PATTERN	MOUNTING	DUTY	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
MARK				DIFFUSER REGISTER GRILL	CFM RANGE	LAY-IN SURFACE SUPPLY RETURN EXHAUST	ALUMINUM STEEL				
S-1			NOT USED								
S-2		10'x2	24 x 24	X	4W, 2W 0-1000	X	X	X	METAL-AIRE / TITUS	5000 / TDCA	ROUND ADAPTER, SEE DETAIL 8 / M4.0
S-3		12 x 6	12 x 6	X	4W 0-200	X	X	X	METAL-AIRE / TITUS	4000-AF / 300FL	ROUND TO SQUARE ADAPTER
S-4		9 x 9	12 x 12	X	4W 0-250	X	X	X	METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SQUARE TO ROUND ADAPTER
S-5		VARIES	24x24	X	4W 0-500	X	X	X	METAL-AIRE / TITUS	7000 / PAS	LESS PATTERN CONTROLLER
S-6		14 x 6	14 x 6	X	2W 0-285	X	X	X	METAL-AIRE / TITUS	4000-AF / 300FL	ROUND TO SQUARE ADAPTER, FULLY REMOVABLE FACE
R-1		22 x 22	24 x 24	X	0-1900	X		X	METAL-AIRE / TITUS	CC5-FB-TB / 50FF	FRN SQUARE TO ROUND ADAPTER, FULLY REMOVABLE FACE

NOTES:

- DIFFUSERS IN SURFACE MOUNTED CEILINGS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

AIR DEVICE SCHEDULE 3

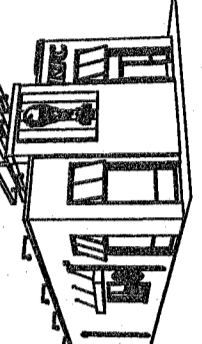
ITEM	OA	RA	SA	EA	PRESSURE
KEF-1	--	--	--	1800	-1800
KEF-2	--	--	--	1800	-1800
EF-1	--	--	--	120	-120
EF-2	--	--	--	110	-110
RTU-1	800	2400	3200	--	+800
RTU-2	300	3565	3865	--	+300
KMAU-1	3040	--	3040	0	+3040
TOTAL	4140	5965	10105	3800	+310

AIR BALANCE SCHEDULE CFM 4

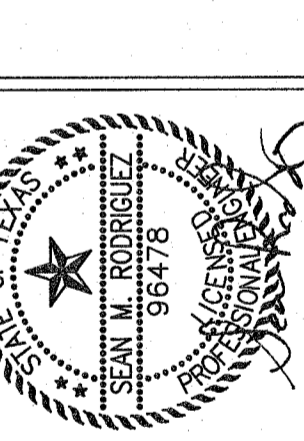
REVISIONS:

MECHANICAL SCHEDULES

William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216



NRG ENGINEERING
Professional Engineer
No. 22057

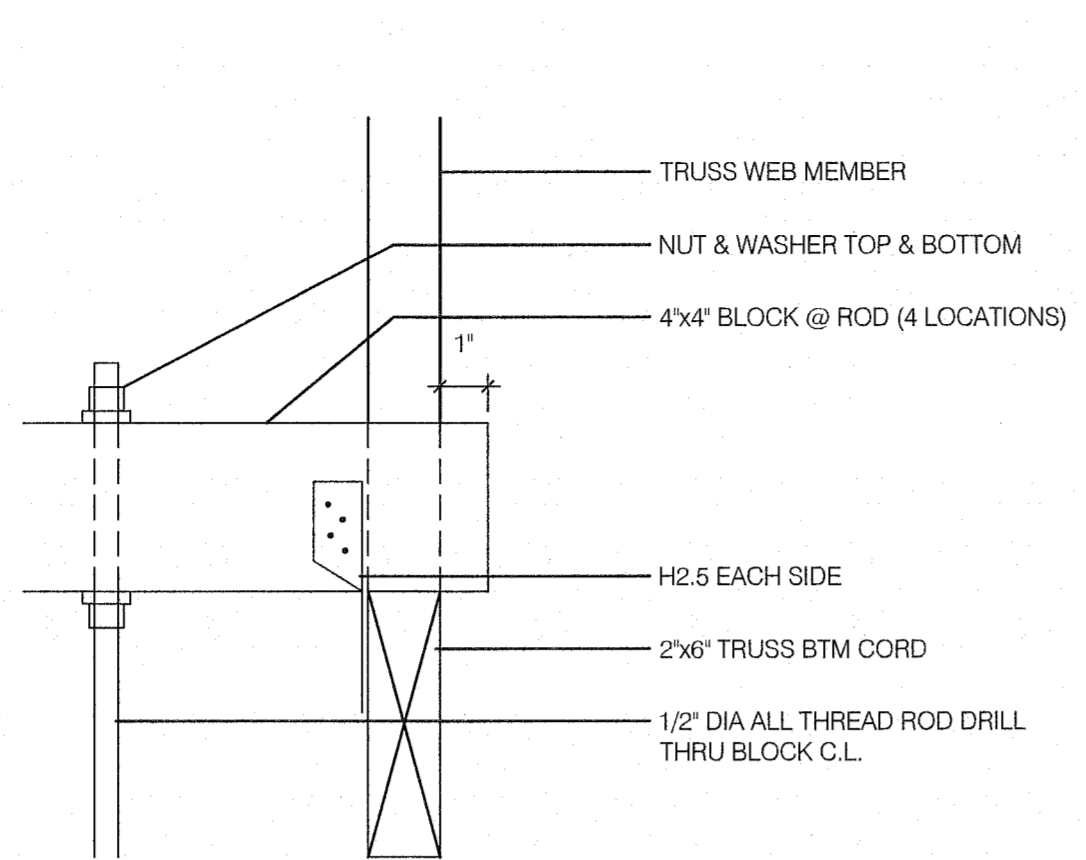


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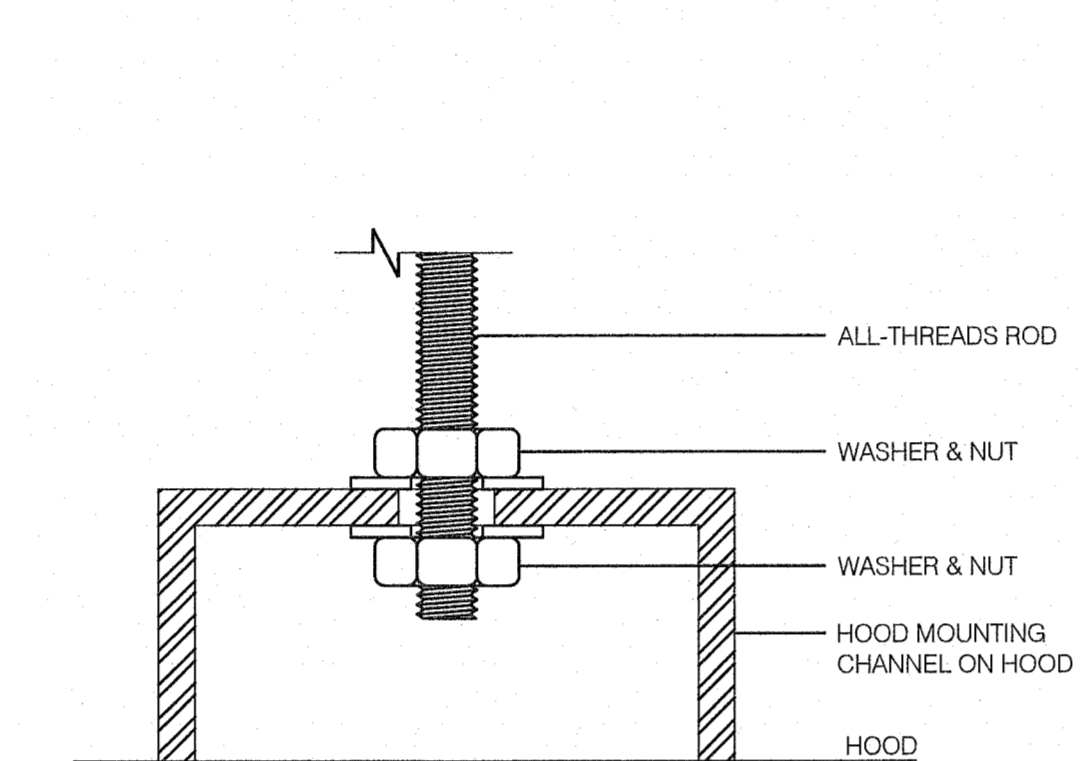
Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
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DATE: 05.19.22
JOB NO: 44343
DRAWN BY: JMM
SHEET NUMBER:

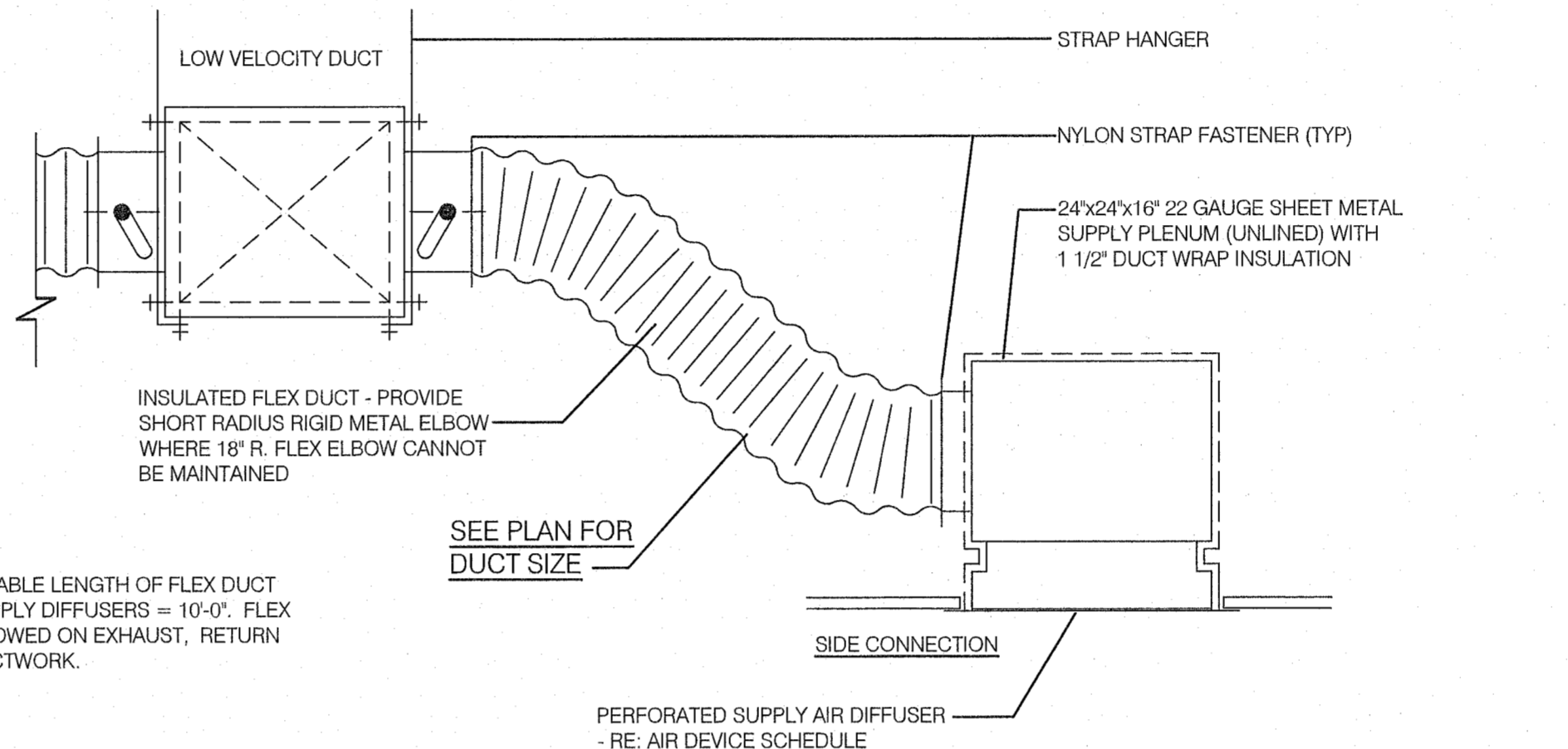
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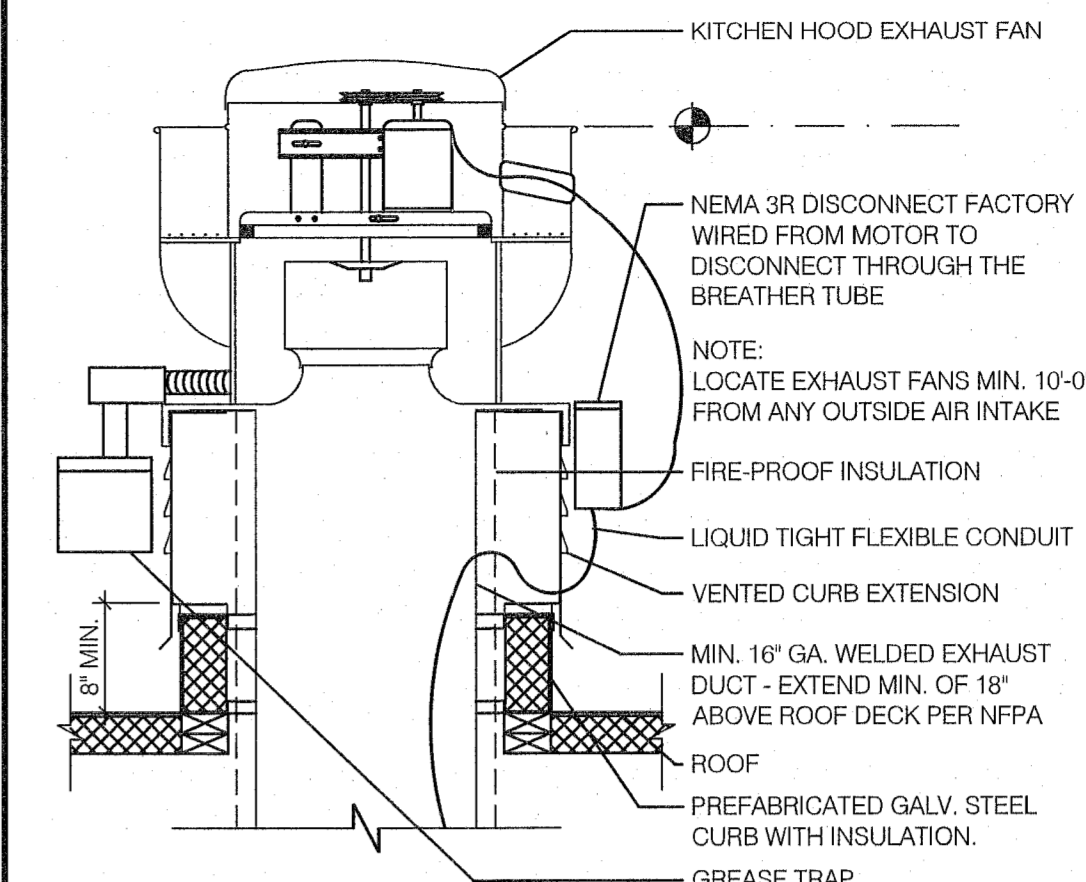
ROD ATTACHMENT 3" = 1'-0" **13**



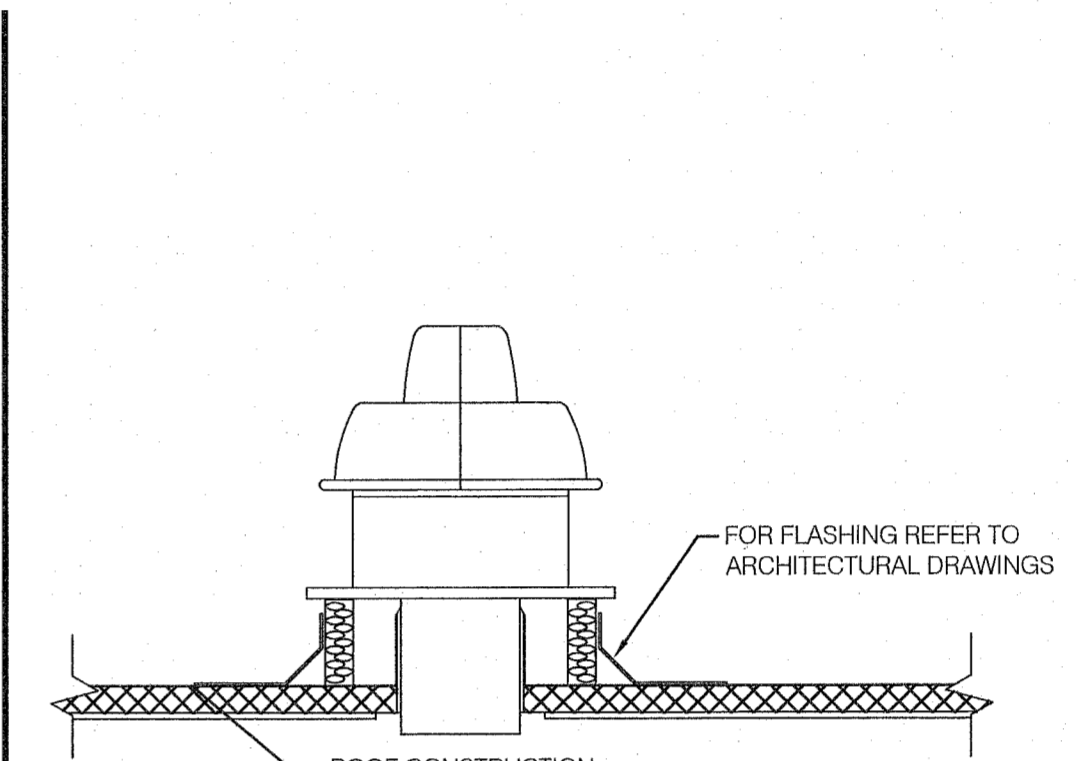
BOLT CONNECTION TO HOOD N.T.S. **14**



OPTIONAL KITCHEN AREA CEILING DIFFUSER (S-5) CONNECTION DETAIL N.T.S. **6**



KITCHEN EXHAUST FAN N.T.S. **1**



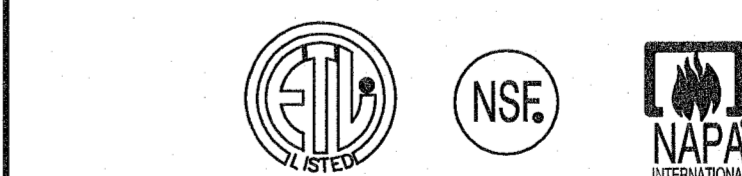
ROOF MOUNTED EXHAUST CAP N.T.S. **2**

GENERAL NOTES

- Exhaust duct collars may be field cut.
- Exhaust duct air flow velocity shall be greater than 1500 FPM, lower if allowed by local codes.
- Exhaust air flows must be balanced upon installation.
- Fan operating speed should be rechecked after 60 days to ensure proper performance. Static pressure values are given for the hood only (unless otherwise noted).

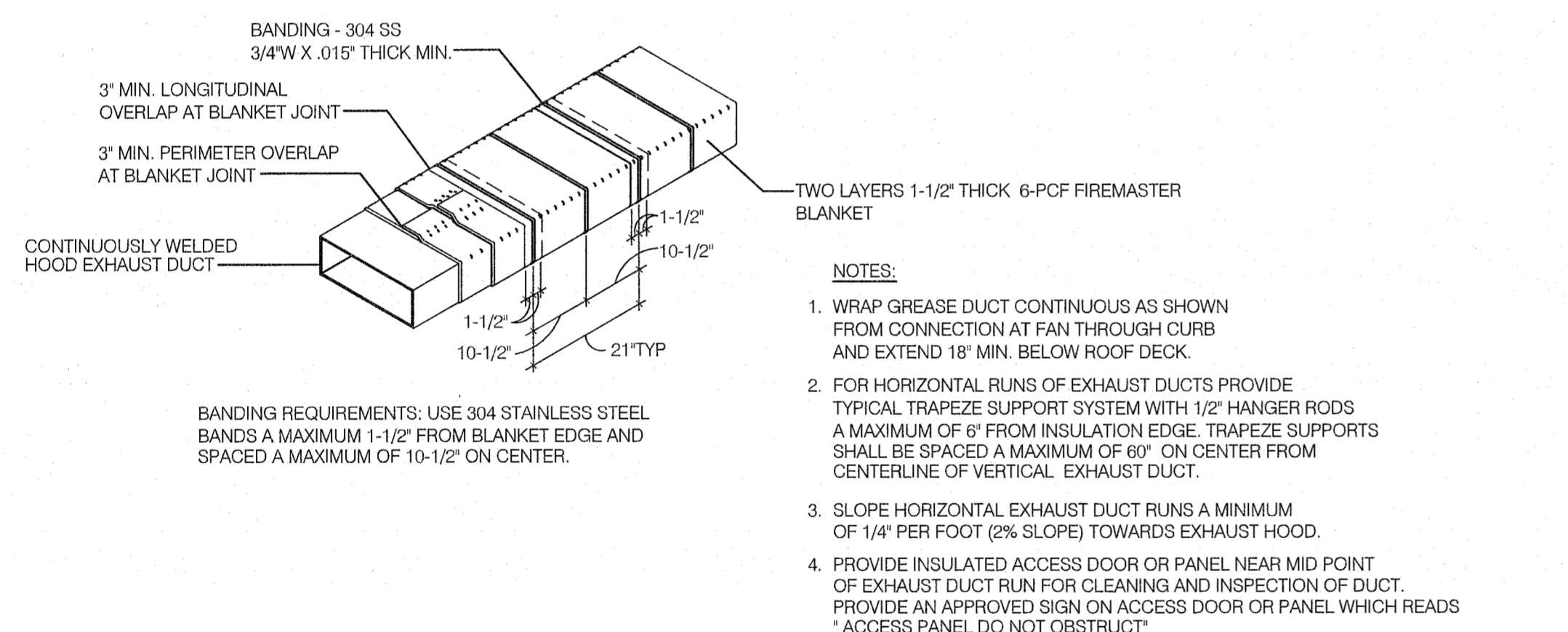
SPECIFICATIONS

- Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.
- UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trough that drains into a removable stainless steel grease cup.
- UL listed and NSF approved vapor proof light fixtures pre-wired to junction box at top of hood in accordance with NEC 70. Lamps to be screw-in CFL, provided by others.
- Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood or by a certified technician. Final location of all nozzles and fire suppression drops to be locally approved and inspected.
- Hood(s) shall be fabricated in accordance with NFPA Bulletin #96 and shall bear the NSF Seal of Approval. Hoods shall be listed under UL 710 EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL under FILE# 3054804-001.

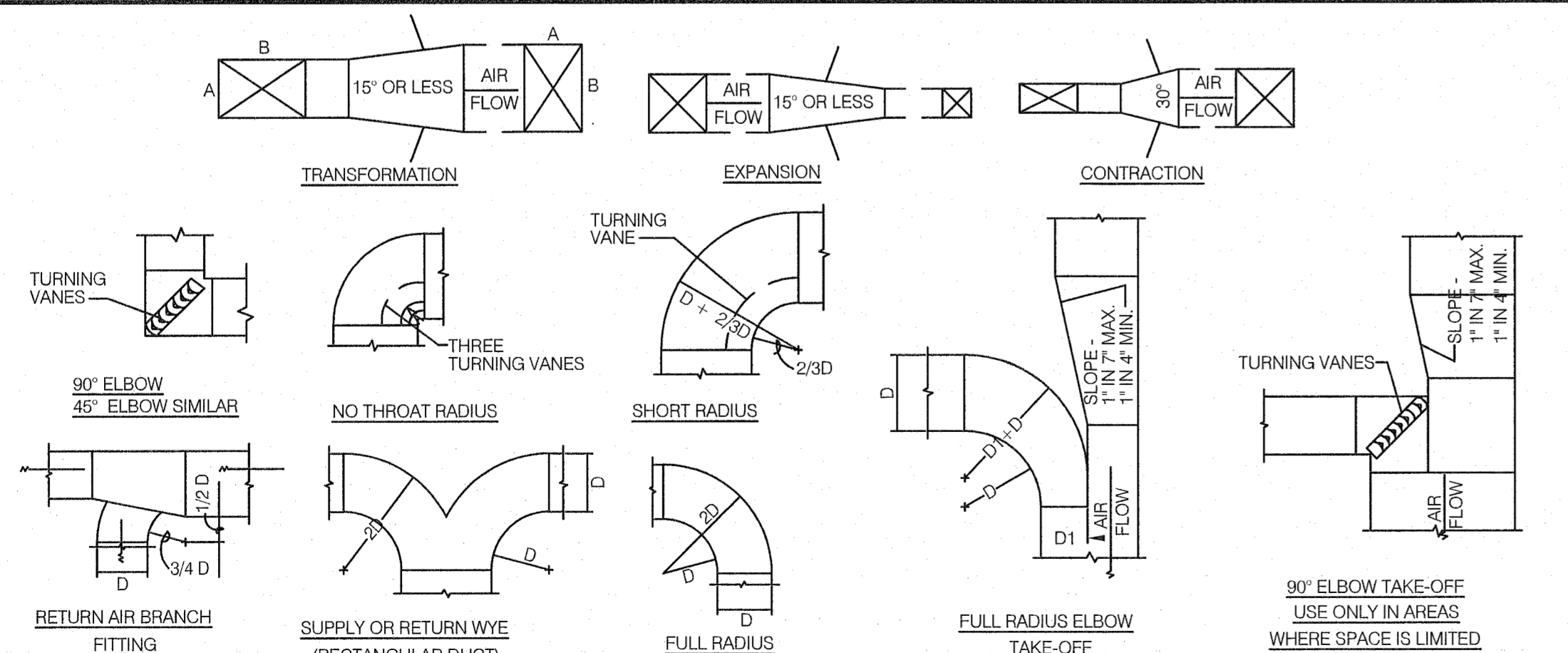


THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVND2. MANUFACTURED BY:
STRATOVENT VENTILATION HOODS
RALEIGH, NC 27616
CONTACT: JEFF JOHNSON, 251-490-6114

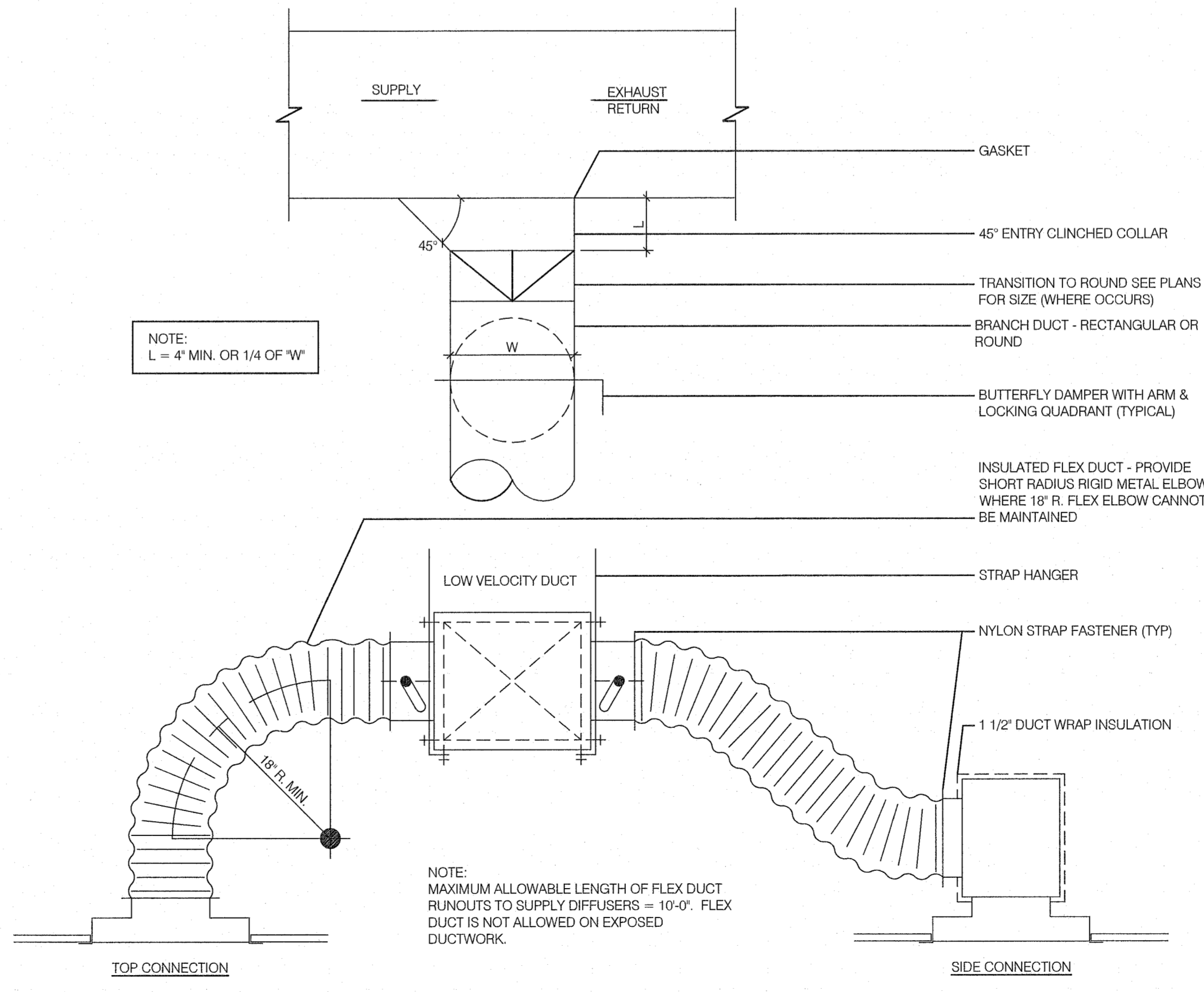
HOOD NOTES AND SPECS (TYP.) **4**



KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL N.T.S. **15**



TYPICAL DUCTWORK DETAILS N.T.S. **16**



CEILING DIFFUSER CONNECTIONS 3/8" = 1'-0" **8**

HOOD INFORMATION - JOB#5439667

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA	CFM			VEL	SP	END TO END	ROW
1	KH-1	5424 ND-2-PSP-F	CAPTIVEAIRE	9' 0"	450 DEG	I	MEDIUM	200	1800			4"	14"	1800	1684	-0.888"	1600	430 SS WHERE EXPOSED	LEFT	ALONE
2	KH-2	5424 ND-2-PSP-F	CAPTIVEAIRE	9' 0"	450 DEG	I	MEDIUM	200	1800			4"	14"	1800	1684	-0.888"	1440	430 SS WHERE EXPOSED	RIGHT	ALONE

FOR QUESTIONS, CALL THE
 Arkansas Mechanical
 REGION 146
 PHONE: (501) 500-5450
 EMAIL: reg146@captiveaire.com

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM FIRING	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1	KH-1	CAPTRATE SOLO FILTER	6	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0/4.0	DCV-2111	1 LIGHT 1 FAN	YES	849 LBS
2	KH-2	CAPTRATE SOLO FILTER	6	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO							YES	526 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	BACKSPLASH 122.00" HIGH X 264.00" LONG 430 SS VERTICAL. RISER SENSOR INSTALL 6IN PLEN. LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS. RISER SENSOR INSTALL 6IN PLEN.
2	KH-2	RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

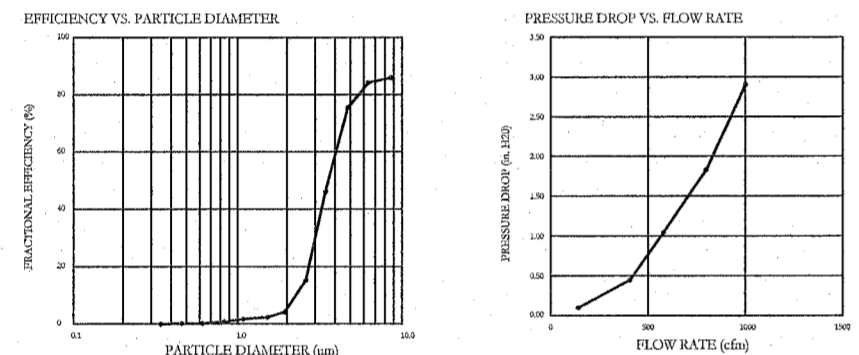
AIR BALANCE NOTE:
 TOTAL TRANSFER AIR = HOOD EXHAUST* - HOOD SUPPLY
 TOTAL TRANSFER AIR = 3,600 CFM - 3,040 CFM
 TOTAL TRANSFER AIR = 560 CFM (FROM HVAC)

NOTES:
 *INCLUDES DISHWASHER HOOD(S) IN EXHAUST TOTALS.
 (TYPICALLY DISHWASHER HOODS ONLY RUN WHEN DISHWASHERS ARE ON)
 THIS HOOD SYSTEM HAS A HEAT SENSOR(S) THAT COMPLIES WITH IEC 507.2.1.1 FOR AUTOMATIC FAN ACTIVATION WHENEVER COOKING OPERATIONS OCCUR.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
1	KH-1	Front	120"	14"	6"	MUA	12"	28"	800	0.206"
							12"	28"	800	0.206"
2	KH-2	Front	108"	14"	6"	MUA	12"	28"	720	0.168"
							12"	28"	720	0.168"

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER
 THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE 3-WAY 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 CHANNELS.
 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 WAS TESTED TO ASTM STANDARD ASTM F2519-05.



CAPTIVE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 NSF STANDARD #2
 UL STANDARD #1046
 INT. MECH. CODE (IMC)
 ULC-5849

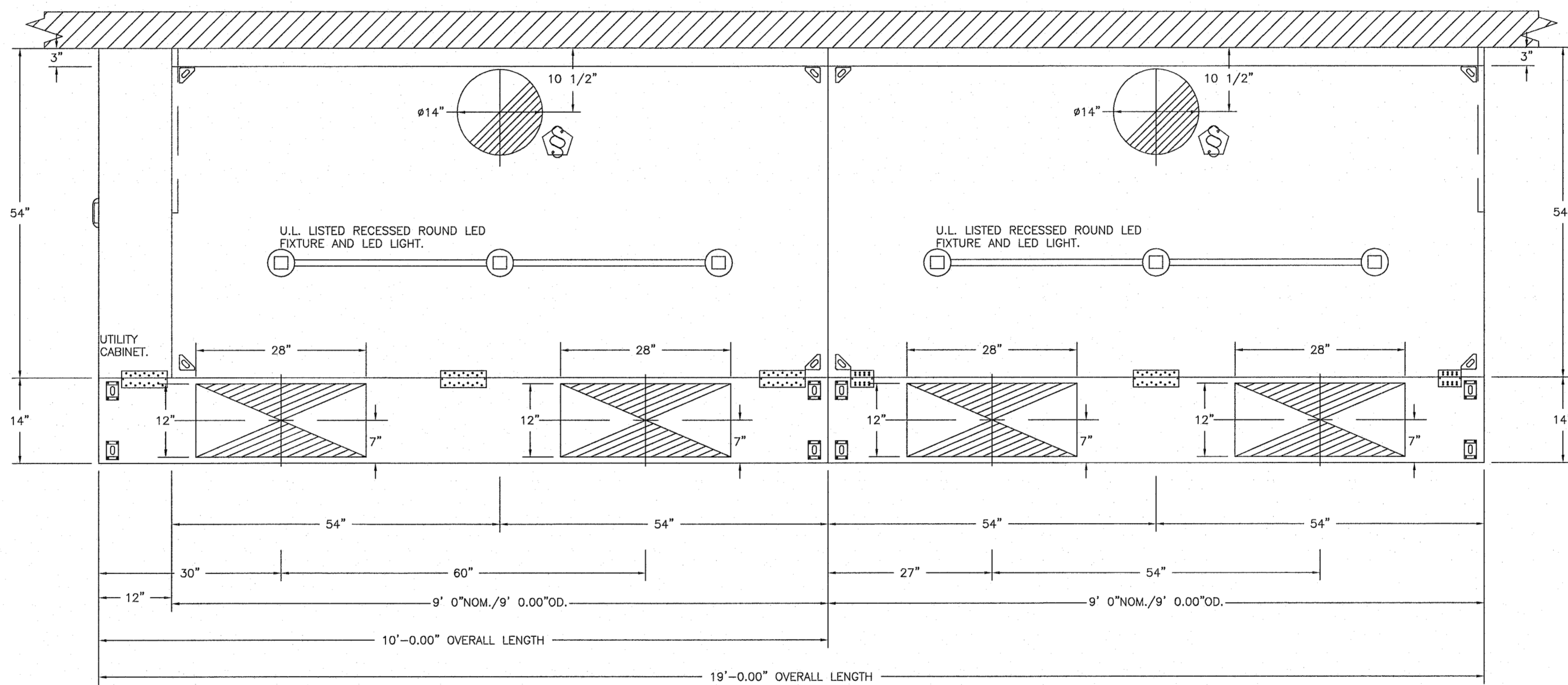
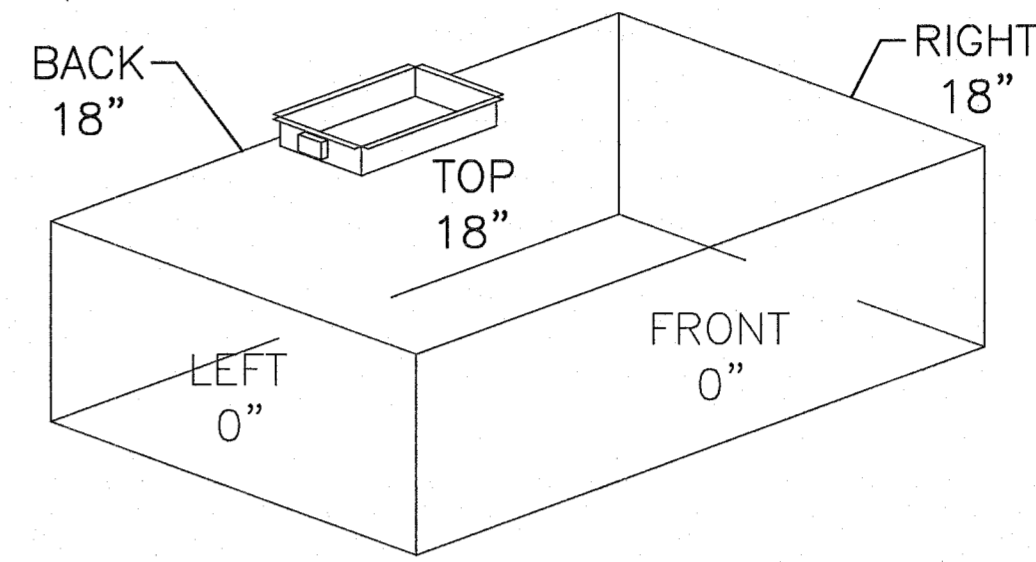


CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 UL 710 & ULC710 STANDARDS
 E.T.L. LISTED 3054804-001

GENERAL NOTES:

- ELECTRICAL HOOK-UP TO CAPTIVEAIRE CONTROLS (MOTOR STARTERS, FAN SWITCHES, DUCT STATS, FAN DISCONNECTS, RELAYS, ETC.) BY OTHERS.
- FIRE CHASE BY OTHERS, IF REQUIRED.
- ALL PHASES OF INSTALLATION SHALL COMPLY WITH NFPA 96.
- WRITTEN MEASUREMENTS HAVE PRECEDENCE OVER SCALE.
- PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INDICATED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
- EXHAUST DUCT TO BE CAPTIVEAIRE SINGLE WALL WITH 2 LAYERS OF FIRE WRAP OR DOUBLE WALL MODEL R2, R3, OR Z3 PREFABRICATED GREASE DUCT. ALTERNATIVELY, FIELD FABRICATED WELDED GREASE DUCT WITH 2 LAYERS OF FIRE WRAP IS ACCEPTABLE AS LONG AS DUCT AS BUILT WITHOUT SHARP BENDS OR ANY FEATURES THAT CAUSE EXCESSIVE STATIC PRESSURE OR SYSTEM EFFECT.
- FAN TO HAVE A MINIMUM OF 10 FT. OF CLEARANCE FROM THE OUTLET TO ADJACENT BUILDINGS, PROPERTY LINES, AIR INTAKES OR 3 FT. VERTICAL CLEARANCE PER NFPA96.
- HORIZONTAL EXHAUST DUCT TO SLOPE NOT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
1" PER FOOT SLOPE FOR DUCT LONGER THAN 75'.
- HOOD TO OVERHANG COOKING EQUIPMENT 6" IN ALL OPEN SIDES.
- EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA96 AND LOCAL CODE.
- BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
- KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

Clearance to combustibles - Hoods 1 & 2



PLAN VIEW - HOOD #1 (KH-1)
 9' 0.00" LONG 5424ND-2-PSP-F

PLAN VIEW - HOOD #2 (KH-2)
 9' 0.00" LONG 5424ND-2-PSP-F

CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

APPROVED AS DRAWN APPROVED AS NOTED REVISE & RESUBMIT SIGNATURE _____ DATE _____

** Below Work to be performed by factory trained and TAB certified servicing agent: **

- Verify that all components are installed correctly and are in accordance with as built drawings
- All equipment to be commissioned per start-up procedures in O&M documents
- Check fan rotation, belt tension, blower and motor rpm, amperage and adjust if necessary
- Hood / Fans test and balance worksheet and provide to the Mechanical Engineer
- Verify and adjust equipment to assure hood captures correctly and features perform as designed
- Consult with contractors and answer their questions or direct them to the technical support line
- Provide guidance on the proper function and maintenance of equipment to Owners or General Contractors
- Complete Manufacturers Startup and Warranty form and send copy to Mechanical Engineer for their files

REVISIONS

NO.	DESCRIPTION	DATE

Arkansas Mechanical
 www.captiveaire.com
 PO Box 1642, Farmington, AR, 72730 PHONE: (501) 500-5450 FAX: (501) 710-6670 EMAIL: reg146@captiveaire.com

KFC - TRAD-PROTO 2022 - HC
 JOPLIN, MO, 64801

DATE: 4/21/2022
 DWG.#: 5439667
 DRAWN BY: Josh / 146
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO.
 1

MECHANICAL DETAILS

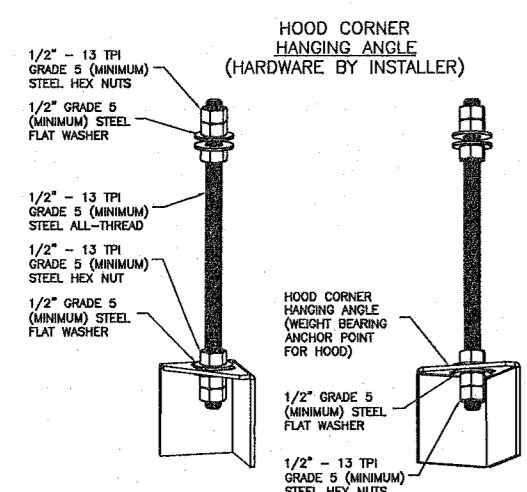
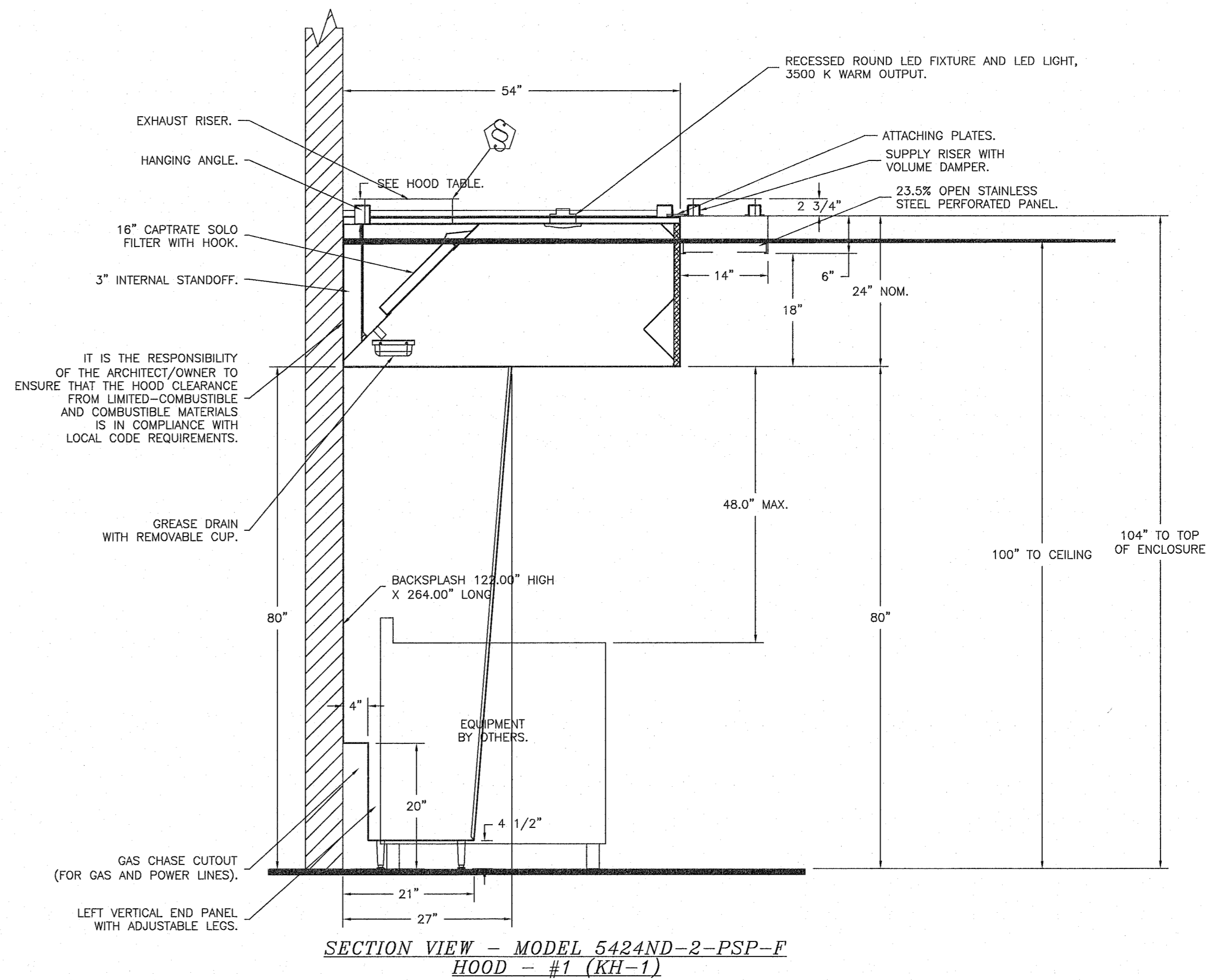
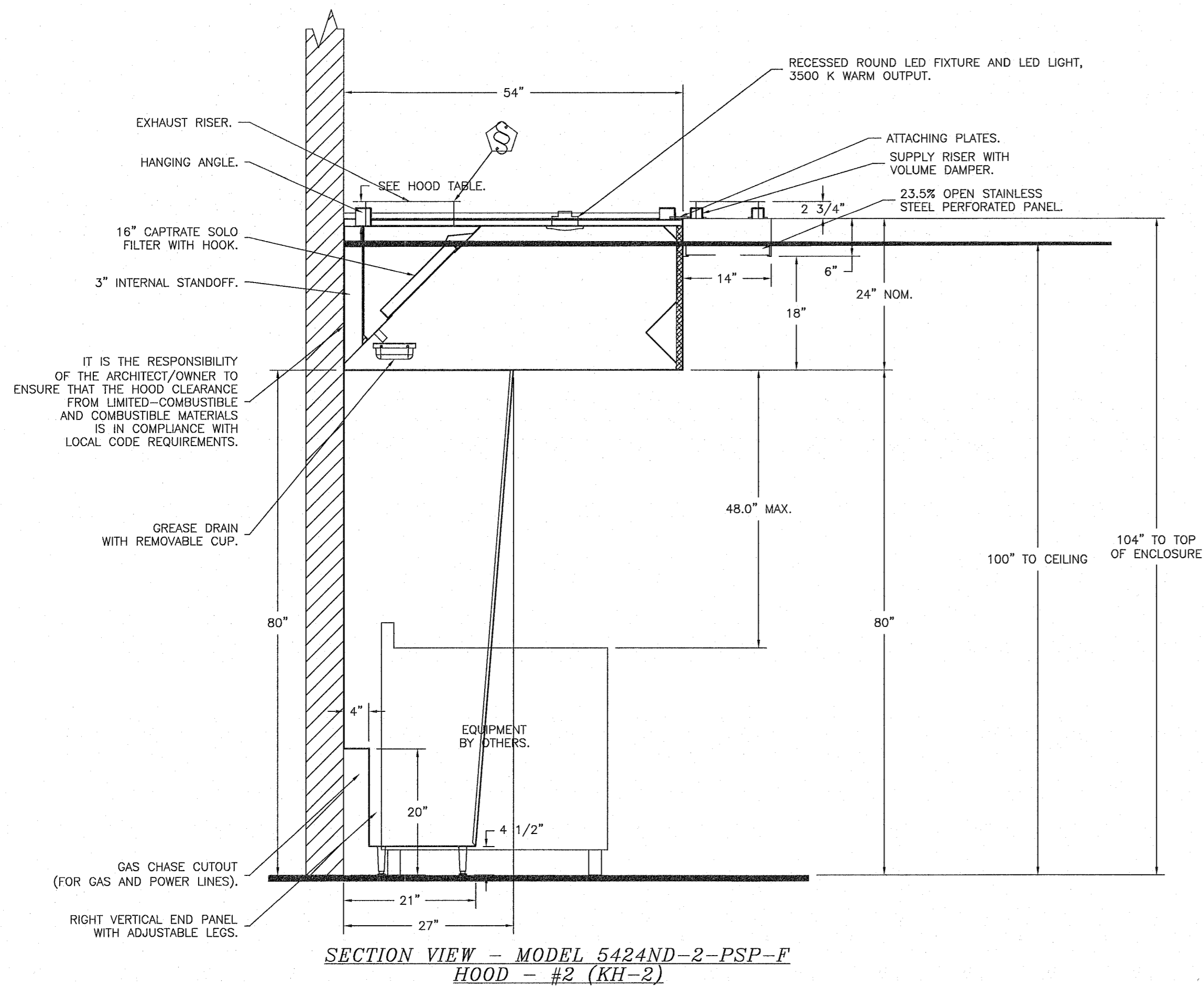
KFC Dugas
 Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

NRG ENGINEERING
 P. O. Box 1000, San Antonio, TX 78216
 Texas Firm Registration No. 0-00018
 22057

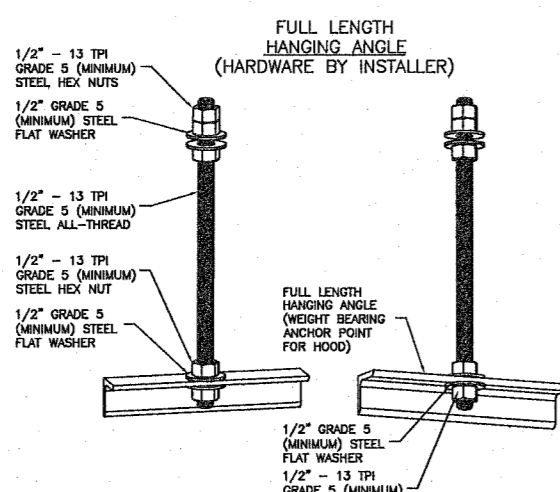
MAY 19 2022

DATE: 05.19.22
 JOB NO: 44343
 DRAWN BY: JMM
 SHEET NUMBER: 7.5

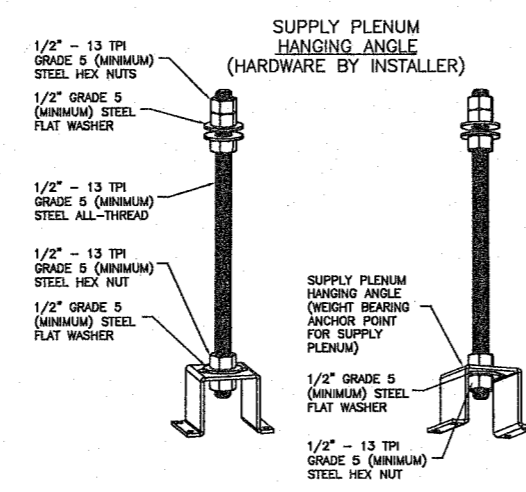
May 19, 2022 - 2:06pm
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ASSEMBLY INSTRUCTIONS
 HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (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.

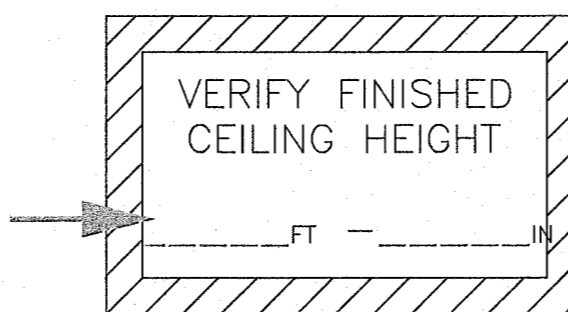


ASSEMBLY INSTRUCTIONS
 HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. 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.

PLEASE NOTE:
 DO NOT INSTALL HVAC RETURNS, OR FOUR WAY DIFFUSERS WITHIN TEN (10) FEET OF THE HOOD



CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

APPROVED AS DRAWN <input type="checkbox"/>	APPROVED AS NOTED <input type="checkbox"/>	REVISE & RESUBMIT <input type="checkbox"/>
SIGNATURE _____		DATE _____

REVISIONS
 DESCRIPTION DATE
 △
 △
 △
 △

Arkansas Mechanical

www.captiveare.com

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KFC - TRAD-PROTO 2022 - HC
 JOPLIN, MO, 64801

DATE: 4/21/2022
 DWG.#: 5439667
 DRAWN BY: Josh / 146
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 2

MECHANICAL DETAILS

 Dugas
 Portanco Rd @ Dugas Rd, San Antonio, Tx. 78251

NRC ENGINEERING
 P. O. Box 1000, San Antonio, TX 78208
 Texas State Registration No. P-00318
 22057

DATE: 05.19.22
 JOB NO: 44343
 DRAWN BY: JMM
 SHEET NUMBER: **7.6**
 OF

FIRE SYSTEM INFORMATION - JOB#5439667

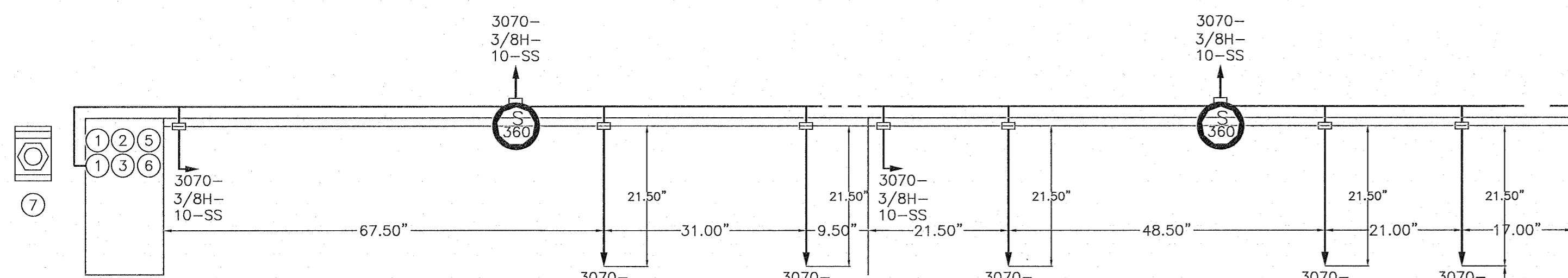
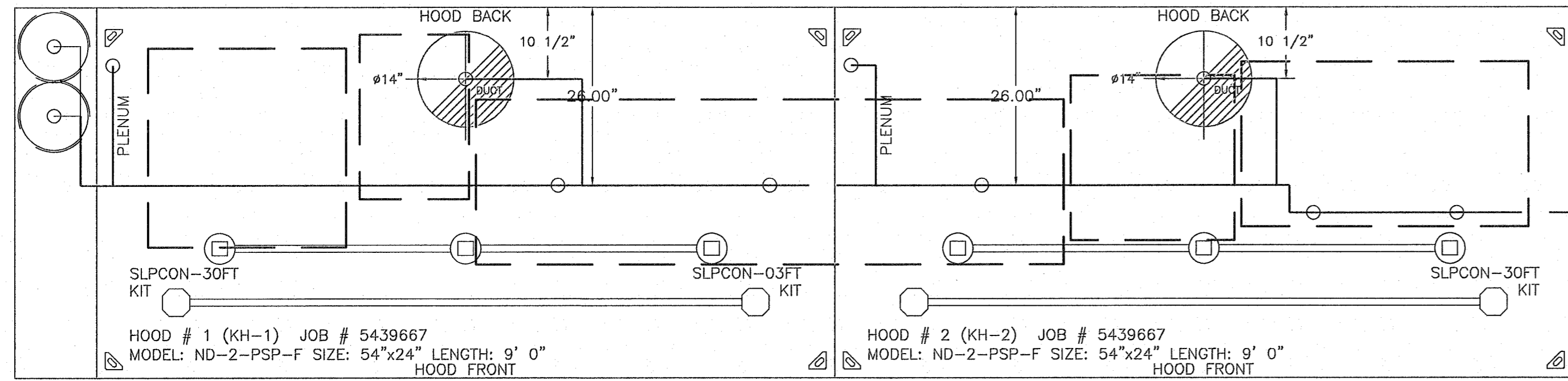
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	36	FIRE CABINET LEFT	LEFT, HOOD 1

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
		0 - 0 - 12-F28021-32144-0T-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO. CLOSE ON TEMP RISE AT 360°F.	2	0
		0 - 0 - 87-120045-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UP TO 29' GAP. KIT CONTAINS 32 FEET OF BLACK MG WIRE, 32 FEET OF TAN MG WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	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

JOB #: 5439667.
 JOB NAME: KFC - TRAD-PROTO 2022 - HC.
 SYSTEM SIZE: TANK-SP-2 TOTAL FP REQUIRED: 36.
 HOOD # 1 9' 0.00" LONG x 54" WIDE x 24" HIGH.
 RISER # 1 SIZE: 0" x 0".
 HOOD # 2 9' 0.00" LONG x 54" WIDE x 24" HIGH.
 RISER # 1 SIZE: 0" x 0".



NOZZLE HEIGHT
 35-50" FROM
 COOKING SURFACE.
 (45.25")

OVEN
 HIGH PROXIMITY
 29.00" L X 29.00" D

TABLE
 NO PROXIMITY RATING
 16.00" L X 24.00" D

TANK OVERLAPPING
 PROTECTION
 HIGH PROXIMITY
 86.00" L X 24.00" D

TABLE
 NO PROXIMITY RATING
 24.00" L X 24.00" D

TANK OVERLAPPING
 PROTECTION
 HIGH PROXIMITY
 42.00" L X 24.00" D

VERIFY
 APPLIANCE LAYOUT
 SIGN HERE

CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION
 APPROVED AS DRAWN APPROVED AS NOTED REVISE & RESUBMIT SIGNATURE _____ DATE _____

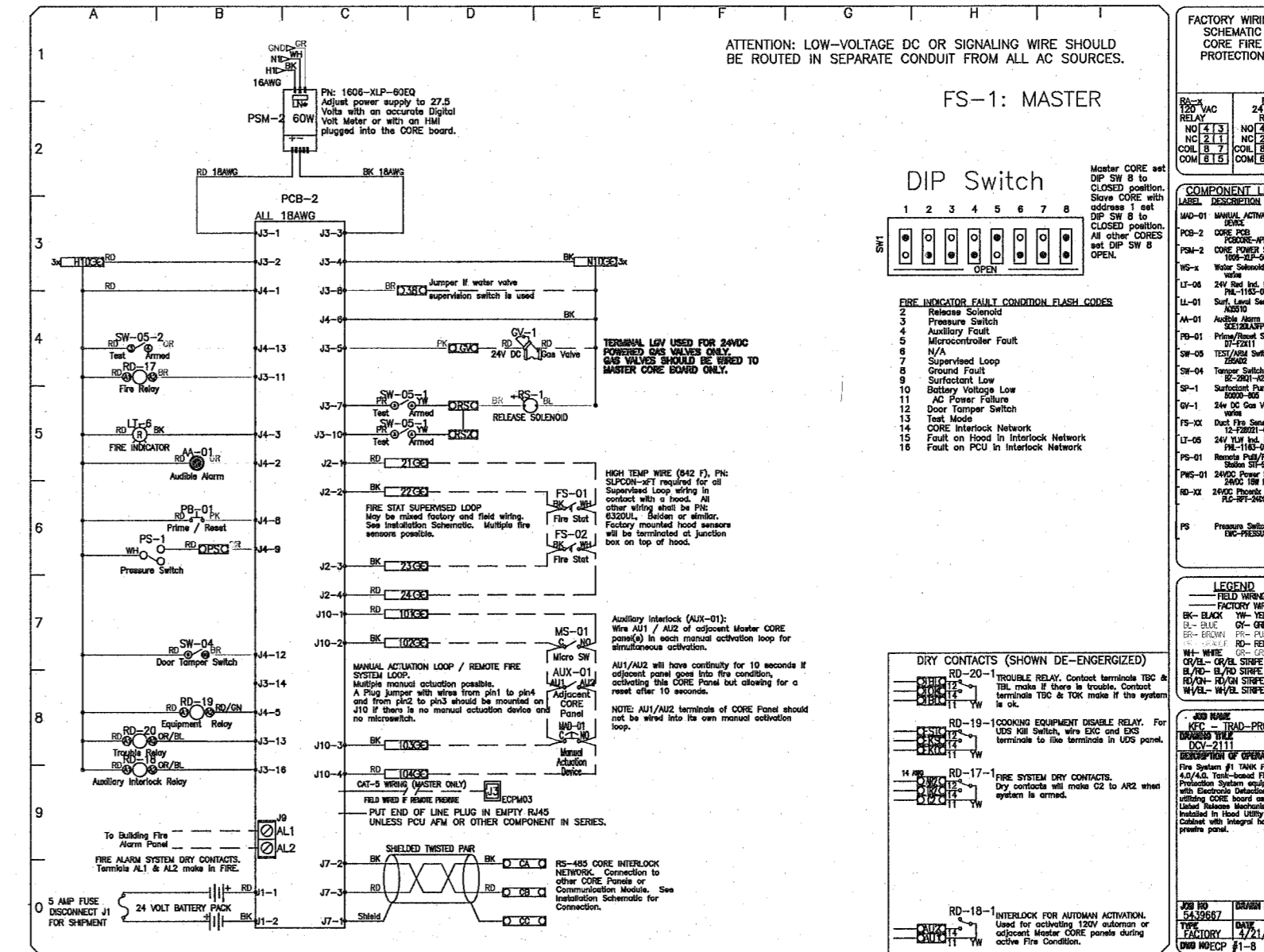
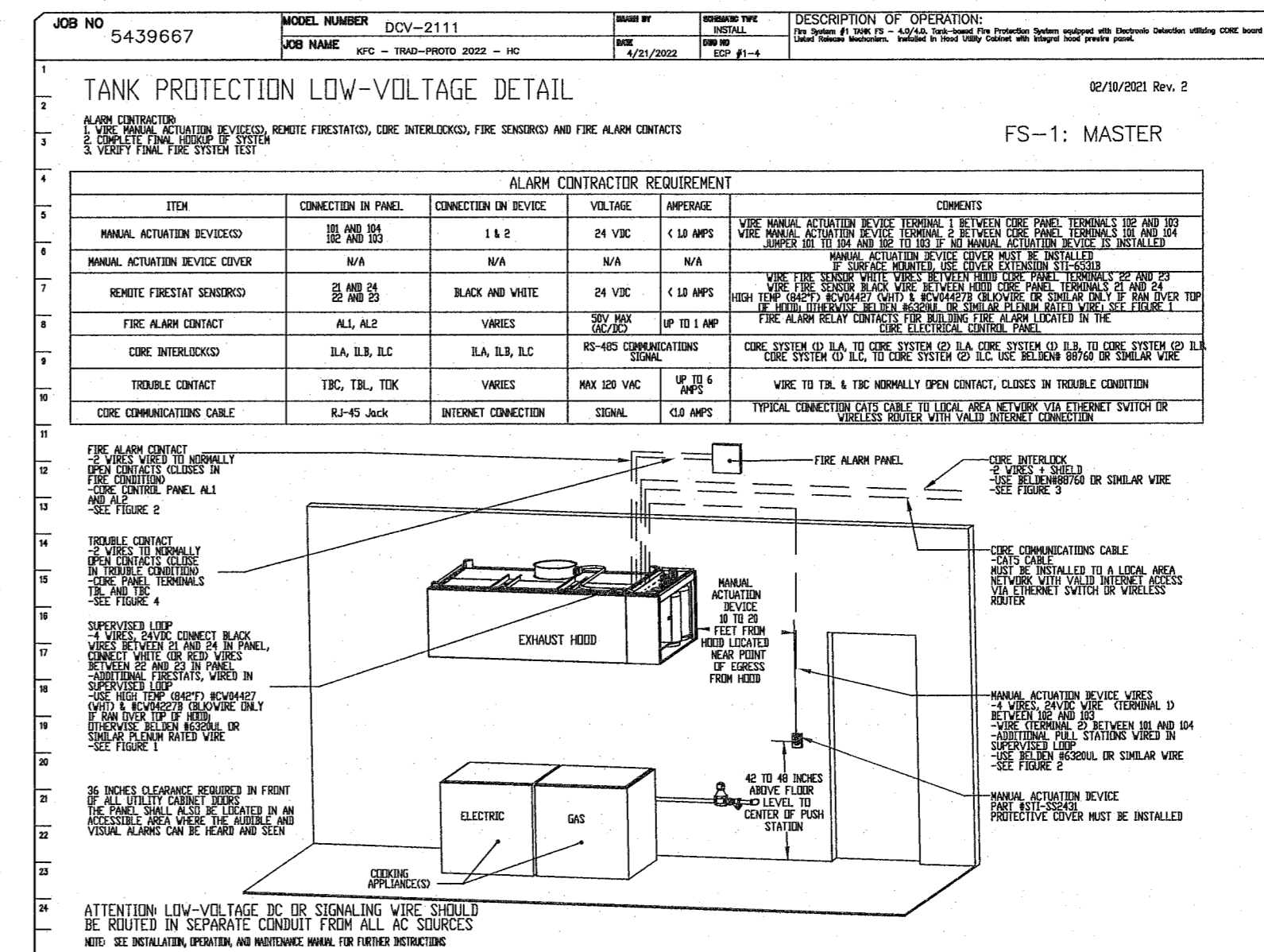
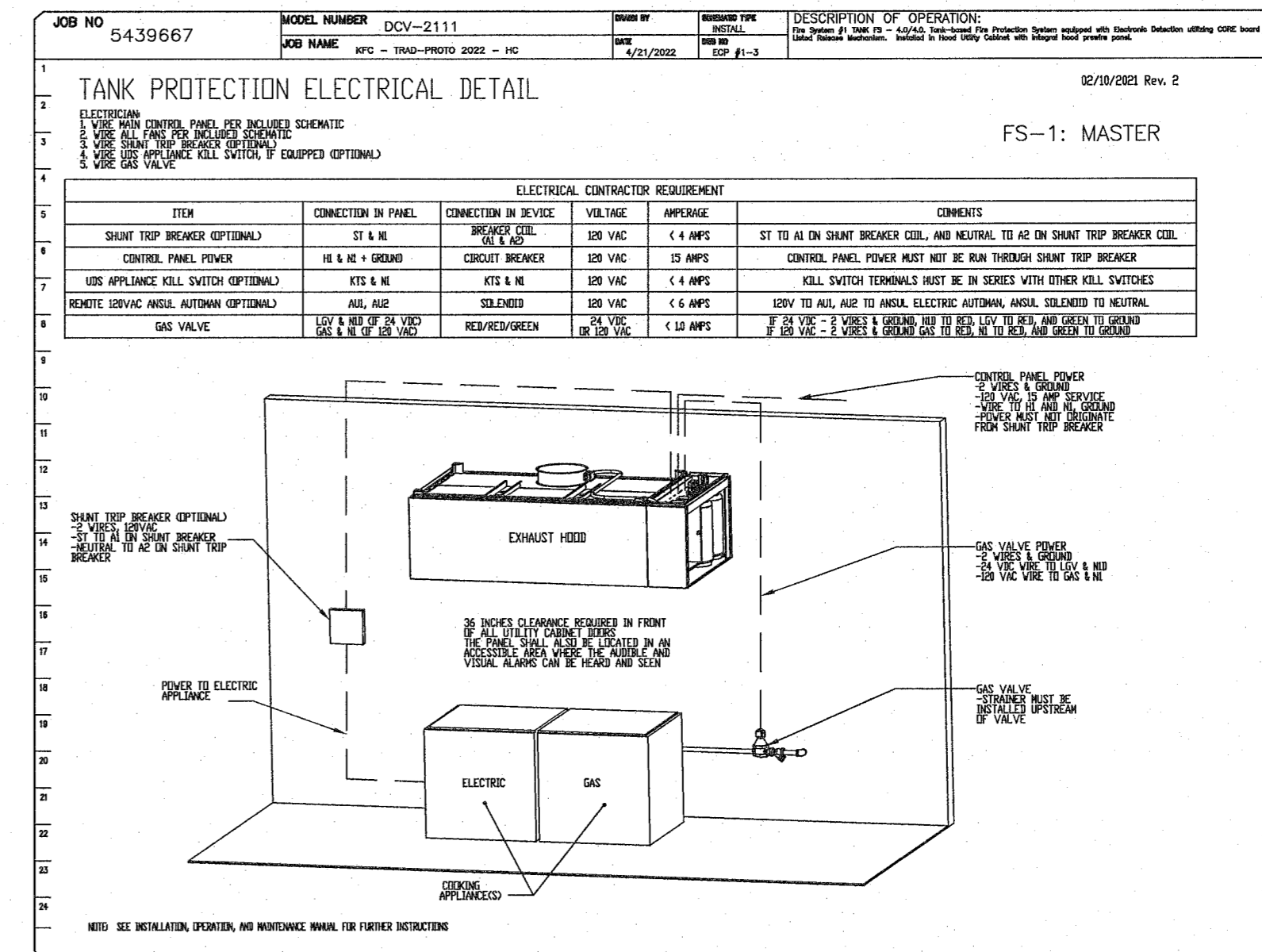
INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
 EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

NOTES

- FIELD PIPE DROPS AS SHOWN SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH.
- PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTUATION DEVICE.



REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE

Arkansas Mechanical
 www.captiveaire.com
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KFC - TRAD-PROTO 2022 - HC
 JOPLIN, MO, 64801

DATE: 4/21/2022
 DWG.#: 5439667
 DRAWN BY: Josh / 146
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 3

MECHANICAL DETAILS

KFC Dugas
 Potranco Rd @ Dugas Rd, San Antonio, TX, 78251

NRC ENGINEERING

22057

SEAL M. ROUSSELET
 96475
 5/19/2022

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD., # 2507, SAN ANTONIO, TX, 78216

DATE: 05.19.22
 JOB NO: 44343
 DRAWN BY: JMM
 SHEET NUMBER: 7.7

EXHAUST FAN INFORMATION - JOB#5439667

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	DUBSHFA	CAPTIVEAIR	1800	1.000	1380	TEAO-ECM	0.750	0.4610	1	115	8.9	570 FPM	94	13.5
2	KEF-2	1	DUBSHFA	CAPTIVEAIR	1800	1.000	1380	TEAO-ECM	0.750	0.4610	1	115	8.9	570 FPM	94	13.5

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
3	KMAU-1	A2-D.250-200-MPU	1	2.5	208-230	3 PHASE	60 HZ	11.2 AMPS	9.07 AMPS	20 AMPS	14 AWG	14
			2	5	208-230	3 PHASE	60 HZ	21.4 AMPS	17.4 AMPS	30 AMPS	10 AWG	14

MUA FAN INFORMATION - JOB#5439667

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
3	KMAU-1	1	A2-D.250-200-MPU	20MF-2-MQ	A2-D.250	2000	3040	0.375	1923	TEFC-PREMIUM	3.000	1.8440	3	208	9.4	11.8A	20A	1555	14.9

COILS - JOB#5439667

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		
3	KMAU-1	DX	3040	99.0°F	74.0°F	69.5°F	65.4°F	---	---	---	---	90.0 MBH	90.0 MBH	0.0 MBH	---	---	---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTU/h	OUTPUT BTU/h	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
3	KMAU-1	215066	197861	63°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

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	UPBLAST FAN WHEEL ACCESS PORT
2	KEF-2	1	3 YEAR EXTENDED MOTOR WARRANTY
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
3	KMAU-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	UPBLAST FAN WHEEL ACCESS PORT
		1	3 YEAR EXTENDED MOTOR WARRANTY
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	LOW FIRE START
		1	AC INTERLOCK RELAY - 24VAC COIL
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION - INCLUDES RECEPTACLE AND J-BOX
		1	3 YEAR EXTENDED MOTOR WARRANTY
		1	COOLING THERMOSTAT AND RELAY (NOT REQUIRED FOR EVAP)
		1	7.5 TON 2 CIRCUIT (2.5/5) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 2 DF/EH MUA (1125 TO 3000 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY
1	DOWNTURN PLENUM FOR SIZE 2 DX COIL MODULE		
1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE - USED ON HEATERS UNDER 2500 CFM		
1	SIZE 2 MPU-AC MOISTURE ELIMINATOR OPTION - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM - INCREASES COOLING COIL MAX CFM TO 3250 CFM		
1	2 YEAR PARTS WARRANTY		

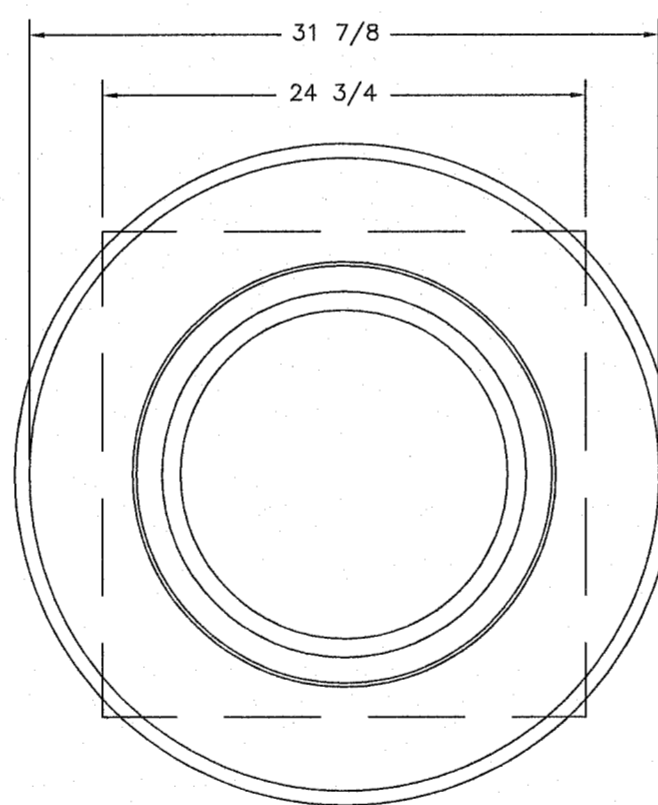
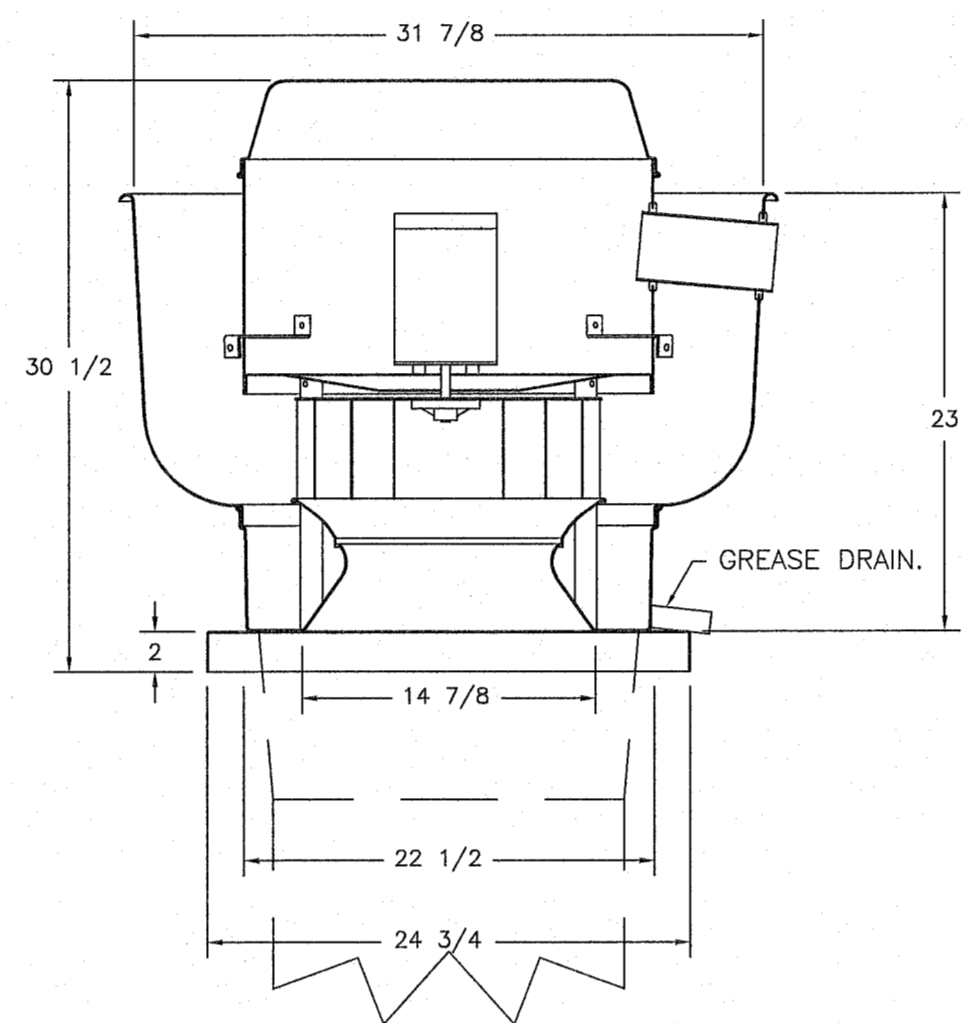
FAN ACCESSORIES

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	KEF-2	YES						
3	KMAU-1						YES	

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	41 LBS	CURB	23,000"W X 23,000"L X 24,000"H 0.500:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KEF-2	41 LBS	CURB	23,000"W X 23,000"L X 24,000"H 0.500:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	KMAU-1	107 LBS	CURB	31,000"W X 29,000"L X 20,000"H 0.500:12.000 PITCH ALONG WIDTH, RIGHT INSULATED.
	# 3			RAIL	6,000"W X 31,000"L X 20,000"H 0.500:12.000 PITCH ALONG LENGTH, RIGHT.

FANS #1 (KEF-1), #2 (KEF-2) - DUBSHFA EXHAUST FAN



TOP VIEW

FEATURES:

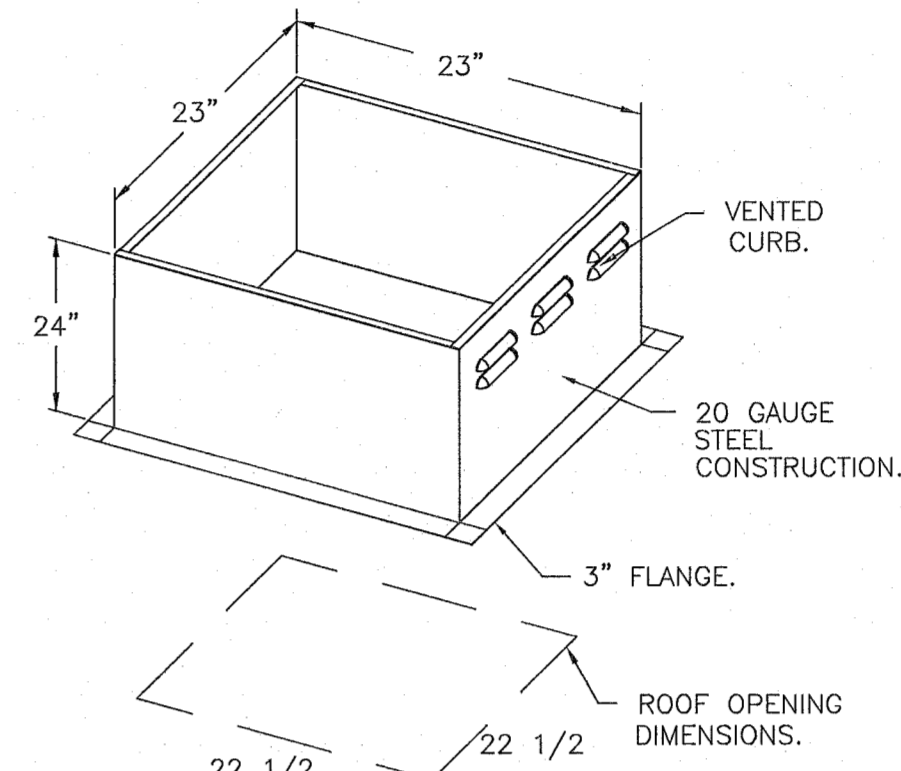
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT 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.

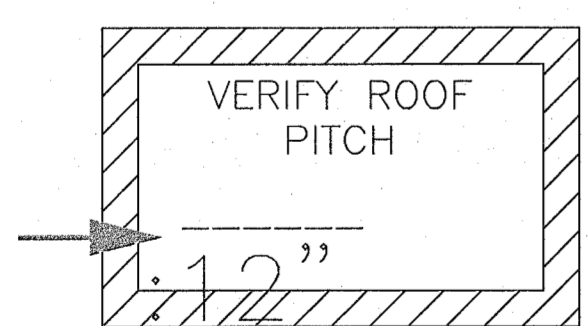
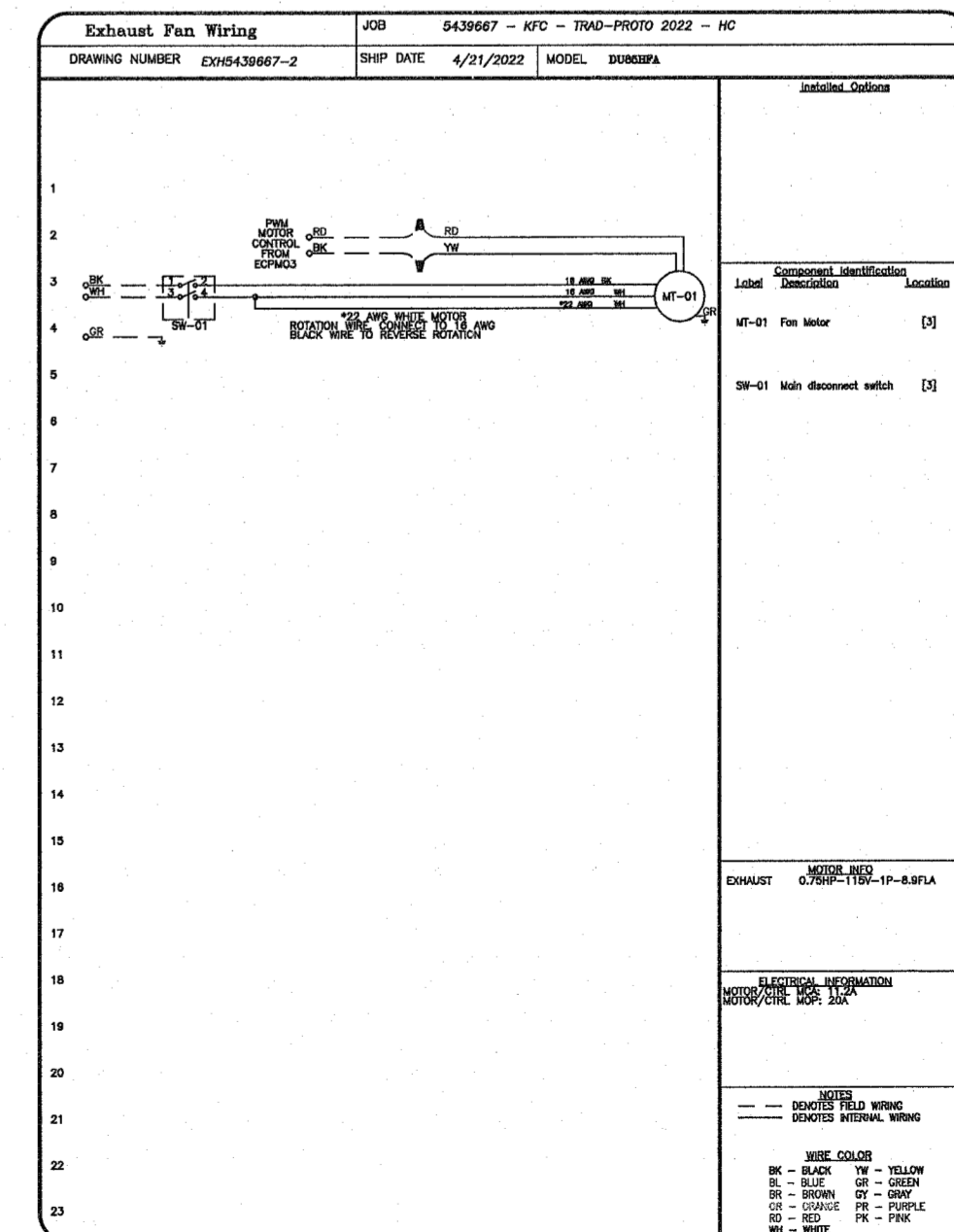
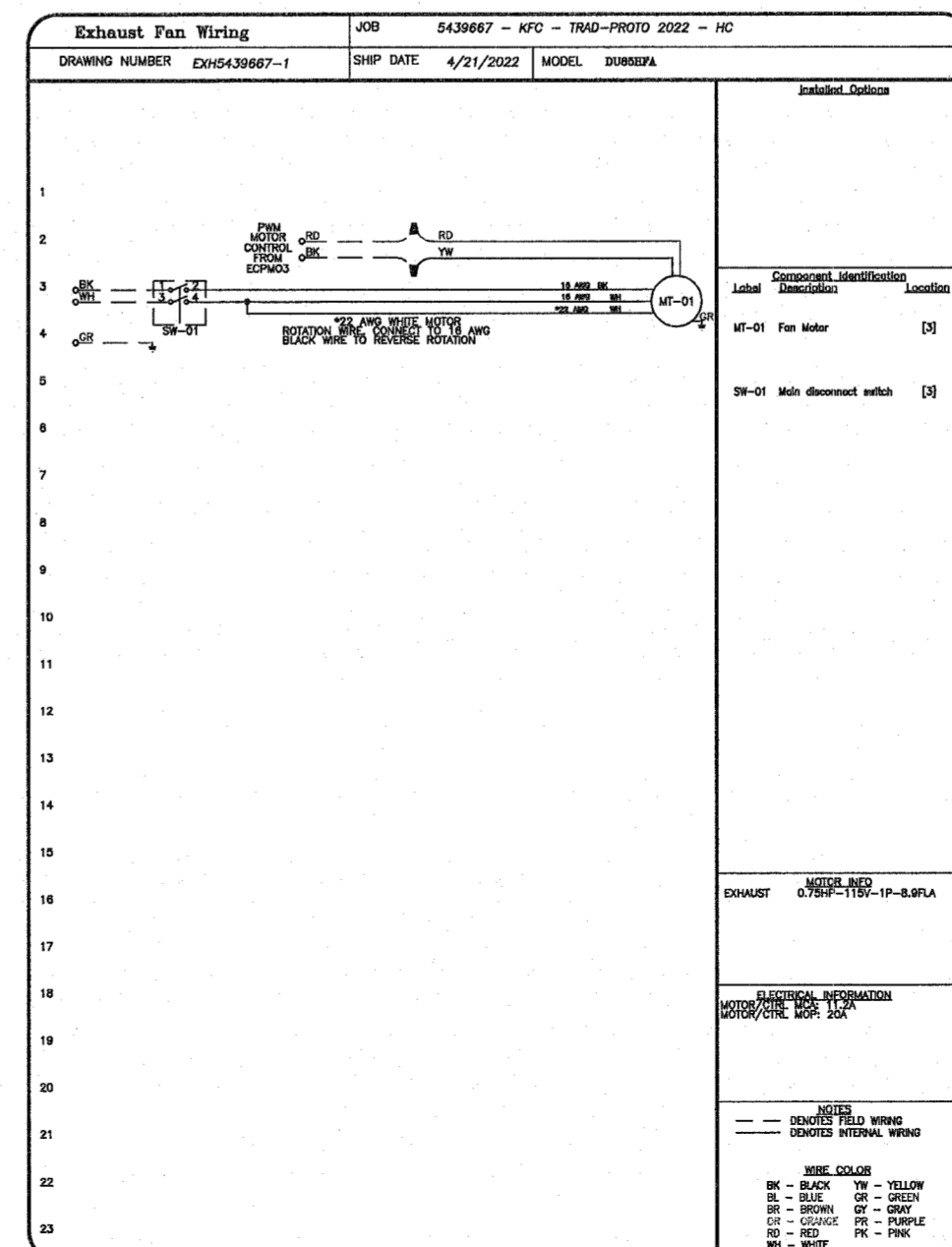
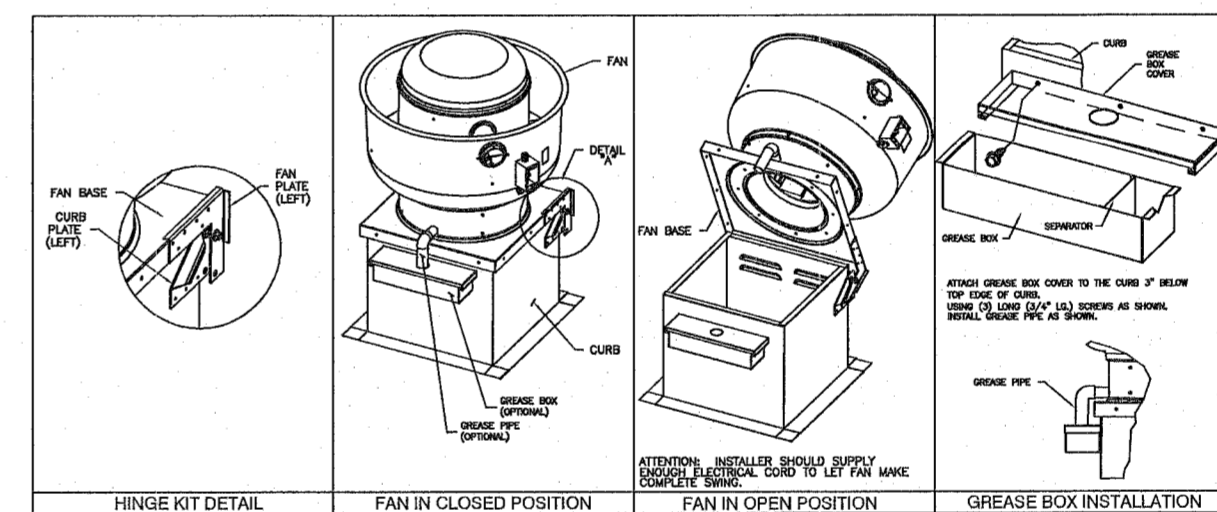
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
UPBLAST FAN WHEEL ACCESS PORT.
3 YEAR EXTENDED MOTOR WARRANTY.
ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.



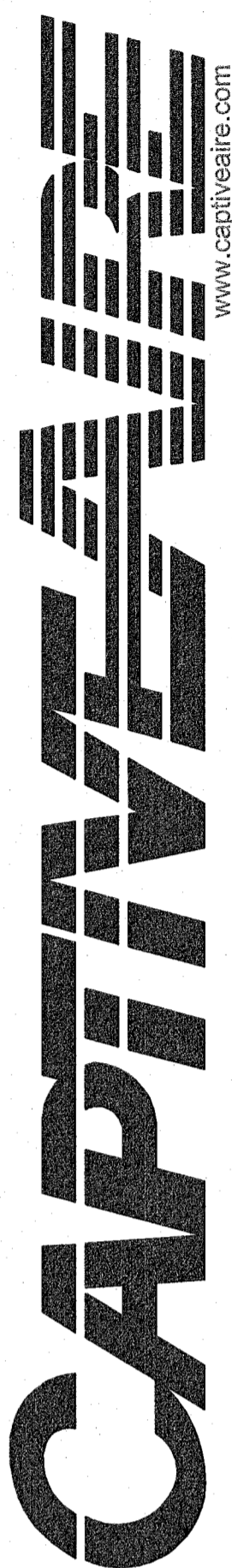
CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

APPROVED AS DRAWN APPROVED AS NOTED REVISE & RESUBMIT

SIGNATURE _____ DATE _____

REVISIONS

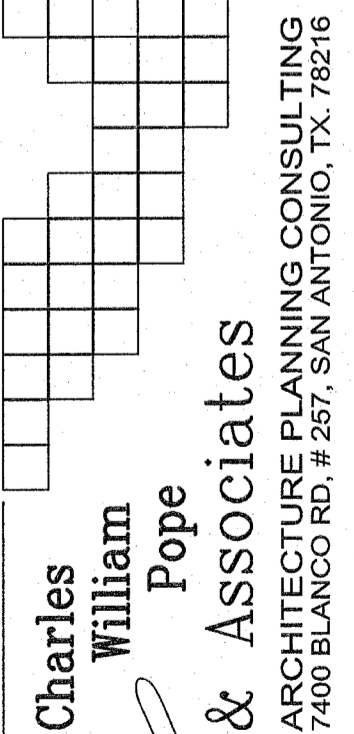
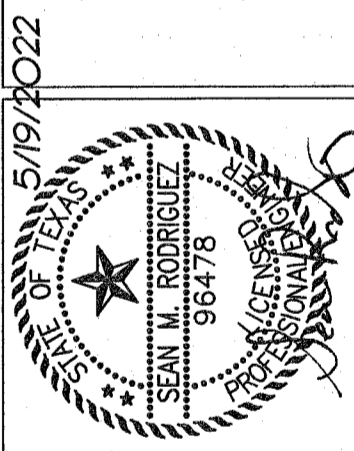
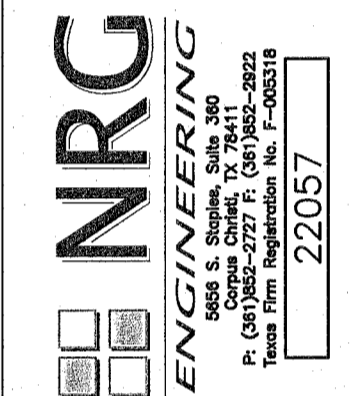
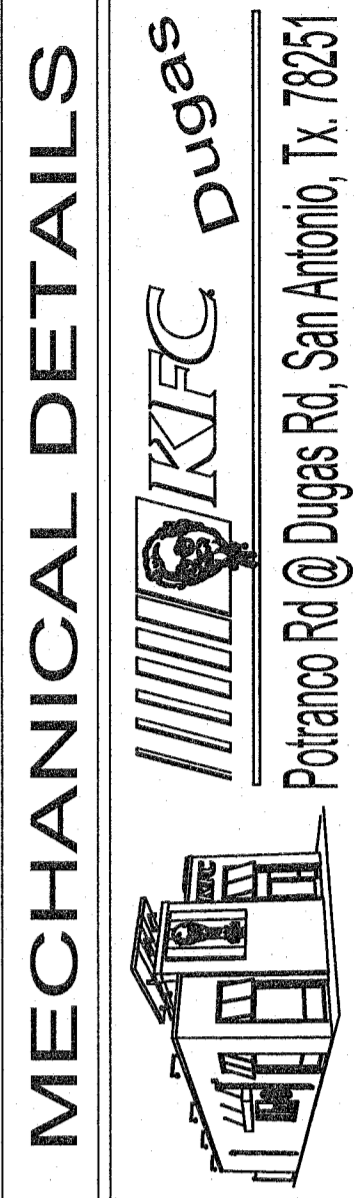
DESCRIPTION	DATE



KFC - TRAD-PROTO 2022 - HC
JOPLIN, MO, 64801

DATE: 4/21/2022
DWG.#: 5439667
DRAWN BY: Josh / 146
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 4



DATE: 05.19.22
JOB NO: 44343
DRAWN BY: JMM
SHEET NUMBER:

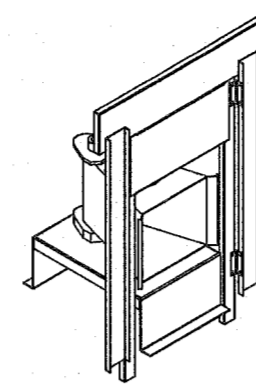
7.8

- FAN #3 A2-D-250-200-MPU - HEATER (KMAU-1)
- DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN.
 - INTAKE HOOD WITH EZ FILTERS.
 - DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 - GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
 - GAS PRESSURE GAUGE, -5 TO +15 INCHES WC, 2.5" DIAMETER, 1/4" THREAD SIZE.
 - LOW FIRE START - ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
 - COOLING INTERLOCK RELAY, 24VAC COIL, 120V CONTACTS, LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
 - MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED.
 - GFCI 15 AMP CONVENIENCE OUTLET FOR HEATER ENCLOSURE, POWER SUPPLY BY OTHERS - INCLUDES RECEPTACLE AND J BOX.
 - 3 YEAR EXTENDED WARRANTY FOR FAN MOTOR. PARTS ONLY; DOES NOT INCLUDE LABOR.
 - DX COOLING INTAKE AIR THERMOSTAT AND RELAYS MOUNTED IN UNIT - SET POINT FOR THERMOSTAT SHOULD BE 85°F.
 - 7.5 TON, DUAL CIRCUIT (2.5/5) MODULAR PACKAGED AC COOLING OPTION FOR SIZE 2 DF/EH MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (1125 TO 3000 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 CL. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 3EY1402.
 - SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
 - DOWNTURN PLENUM FOR SIZE 2 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS.
 - PROFILE PLATE CONFIGURATION FOR SIZE 2 DIRECT FIRED UNIT FOR LOW CFM APPLICATIONS.
 - SIZE 2 MPU-AC MOISTURE ELIMINATOR OPTION - ALLOWS COOLING COIL FACE VELOCITY TO INCREASE TO 650 FPM. INCREASES COOLING COIL MAX CFM TO 3250 CFM.
 - 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 20" x 20".

SUPPLY SIDE HEATER INFORMATION:

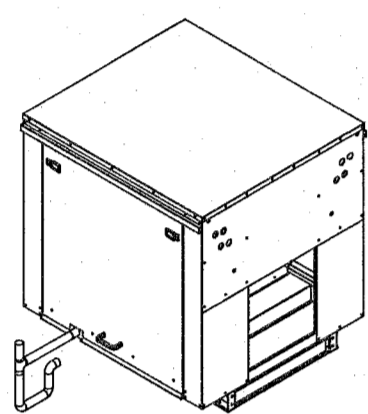
WINTER TEMPERATURE = 12°F. TEMP. RISE = 63°F.
 OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 204608.
 INPUT BTUs AT ALTITUDE OF 0.0 FT. = 222401.
 OUTPUT BTUs AT ALTITUDE OF 925 FT. = 197861.
 INPUT BTUs AT ALTITUDE OF 925 FT. = 215066.



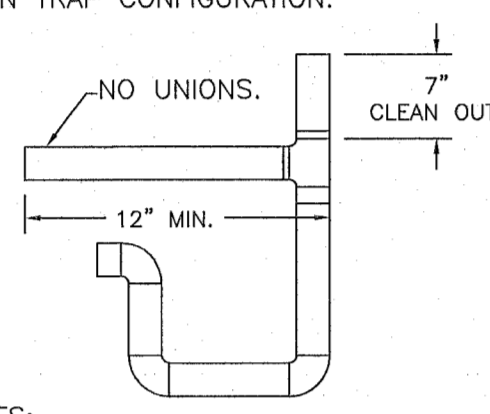
DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

DIRECT FIRED PROFILE PLATE SPECIFICATIONS:
DESCRIPTION:
 DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO. US629523B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 50PPM OF CARBON MONOXIDE (CO) AND 0.5PPM OF NITROGEN DIOXIDE (NO2). DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.
APPLICATION:
 SPRING-SHARDED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL OF OUR UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.
CERTIFICATIONS:
 ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DF UNITS ETL LISTING AND COMPLY WITH COMBINED SAFETY STANDARDS ANSI Z83.4 AND CSA 3.7 (NON-RECIRCULATING DF HEATERS) AND ANSI Z83.18 (RECIRCULATING DF HEATERS).
GENERAL CONSTRUCTION:
 -PROFILE PLATES SHALL BE FORMED FROM 300 GALVANIZED STEEL.
 -PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
 -PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.
 -DESIGN SHALL INCORPORATE PROPERLY FORWARDED PERMANENTLY MOUNTED SPRING HINGES.
 -SPRING HINGES SHALL BE MADE FROM PLATED STEEL.

TYPICAL DRAIN TRAP INSTALL

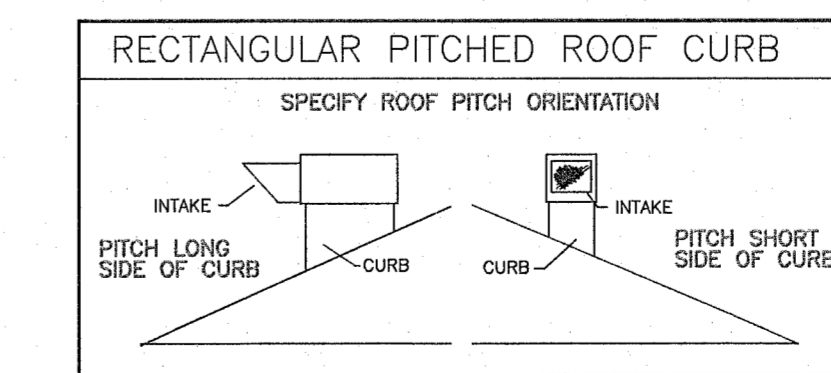
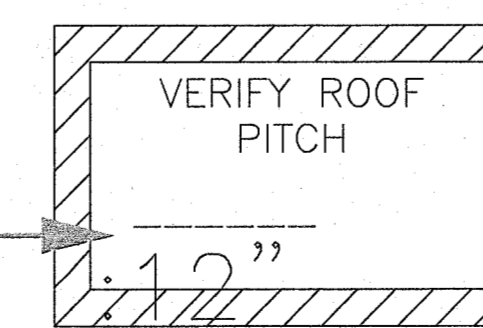
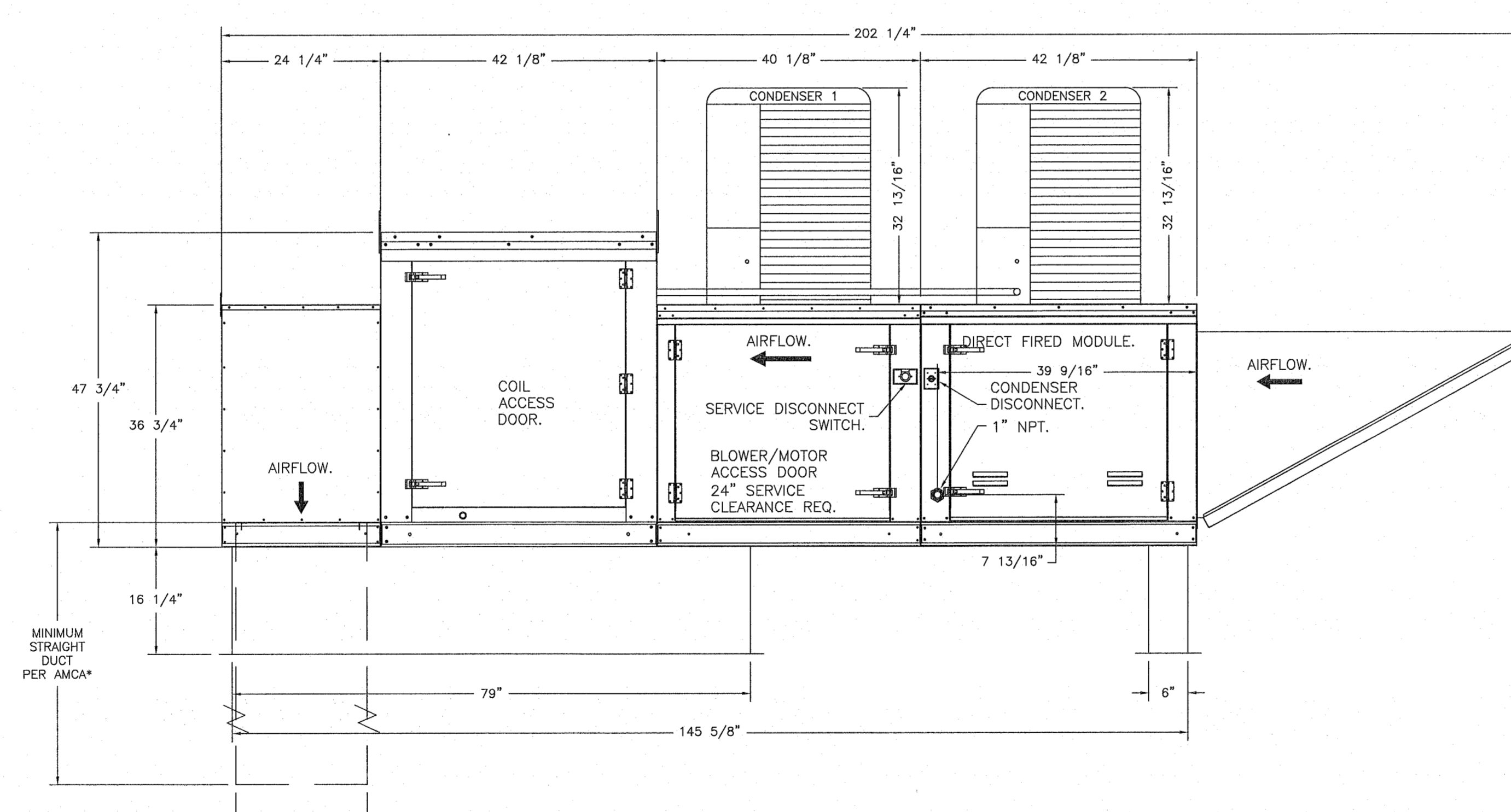
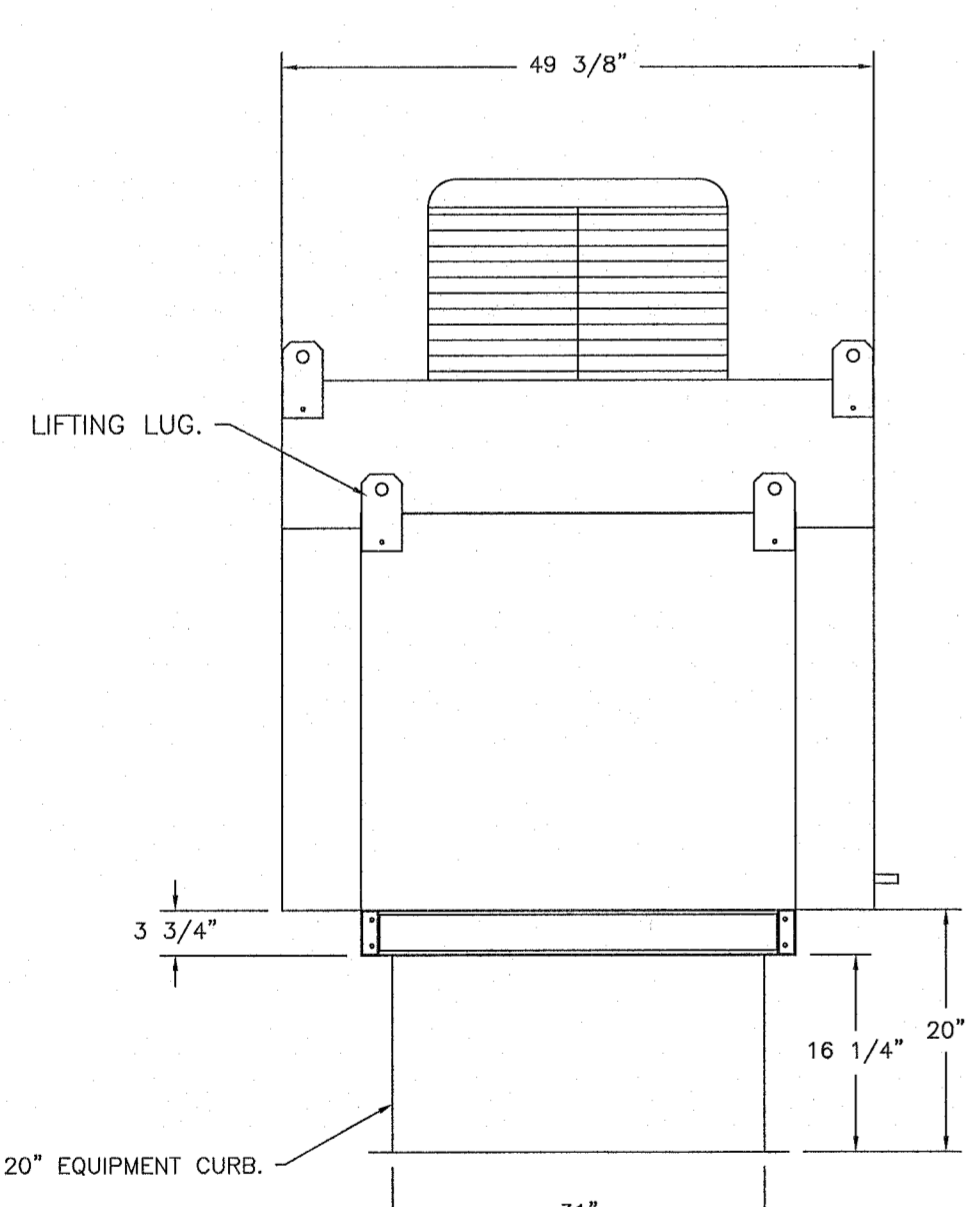
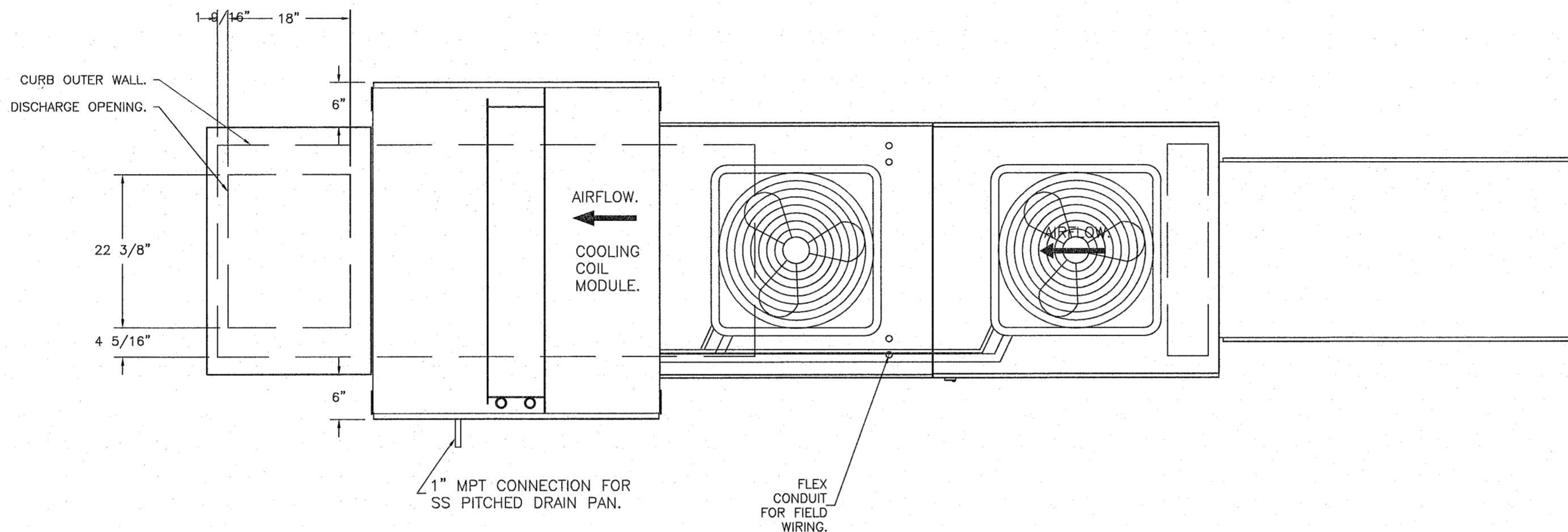


RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION



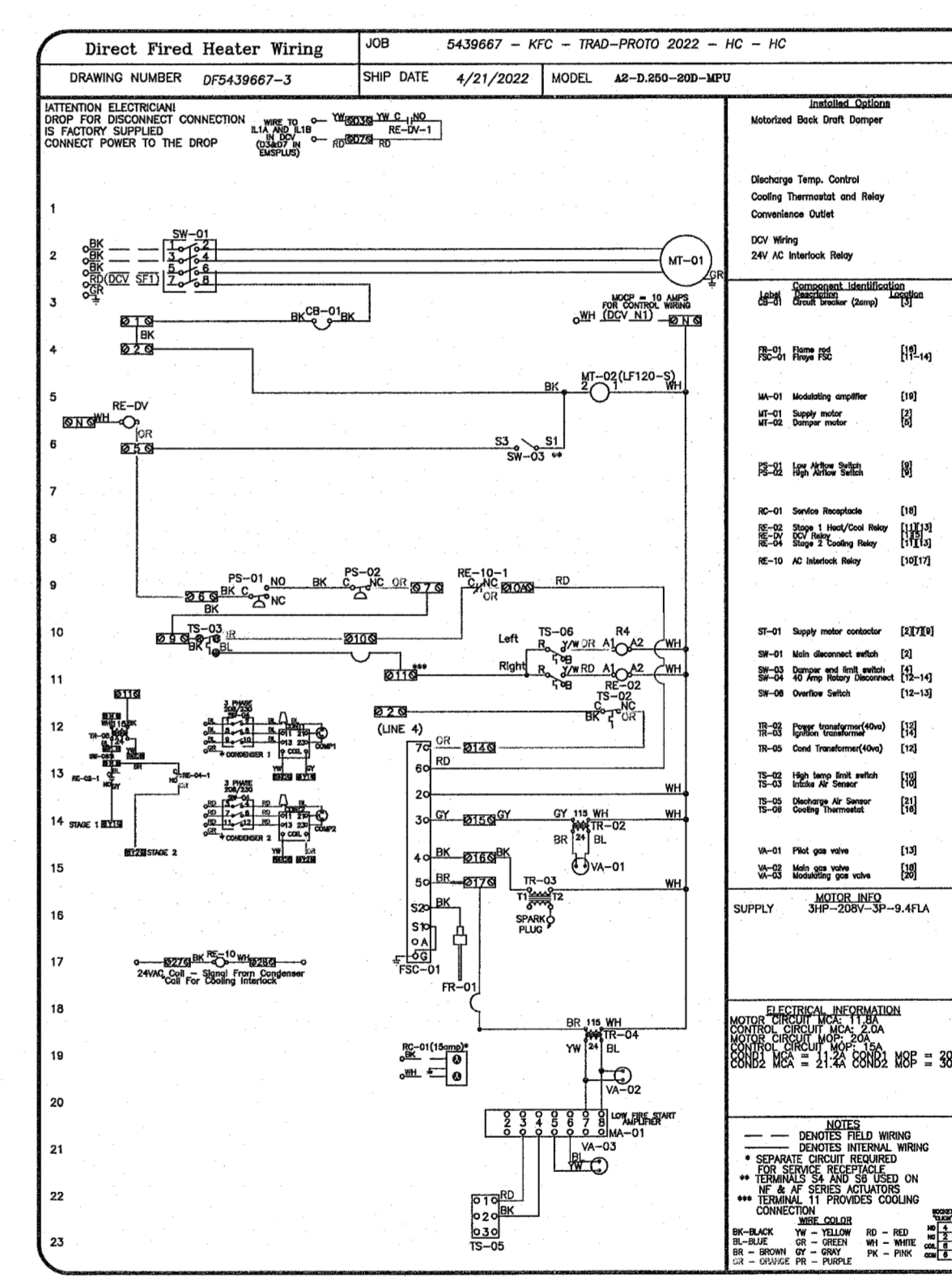
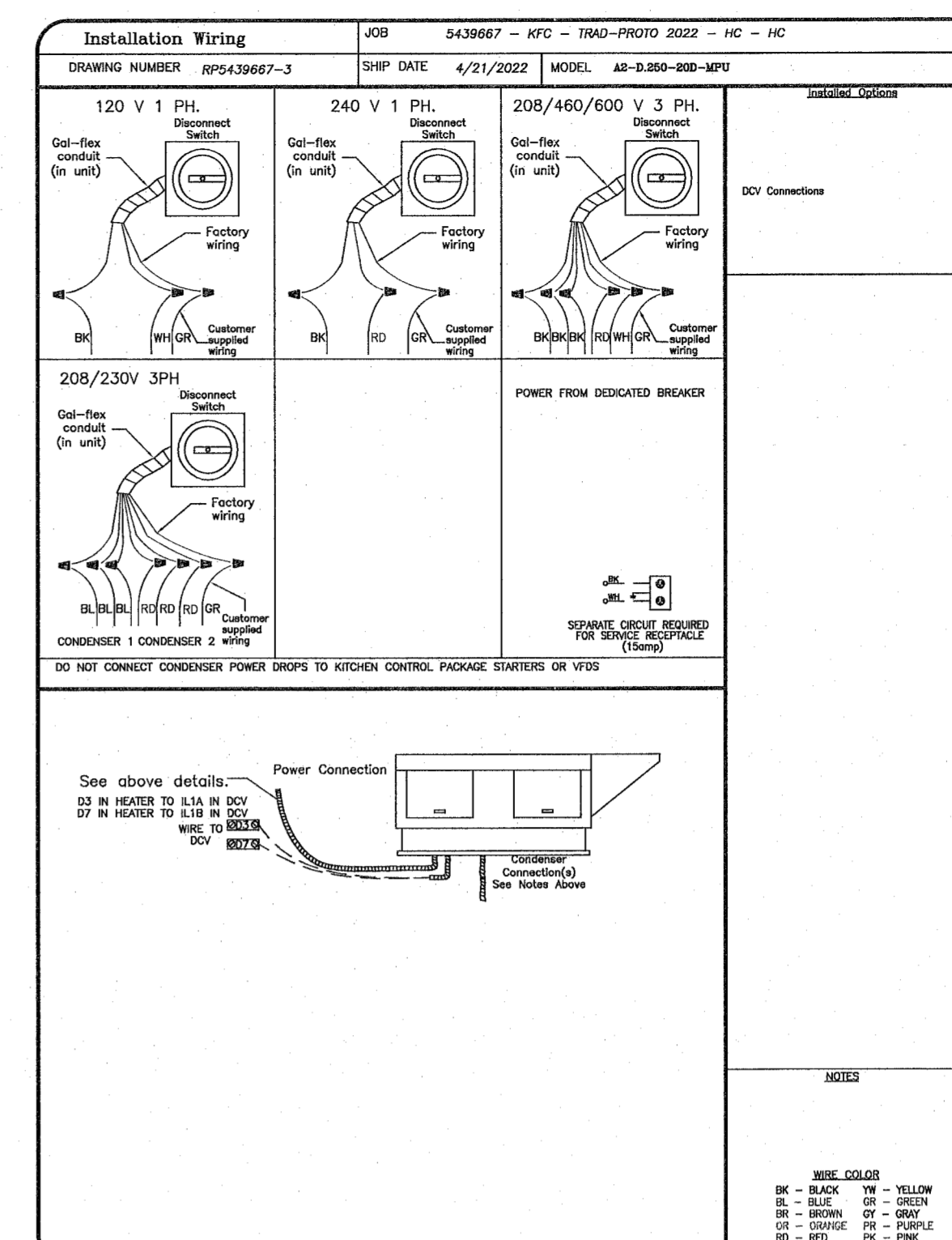
NOTES:

- 1" DIAMETER PVC PIPE ONLY.
- USE ONLY LOW PROFILE COUPLINGS.
- ADD CLEAN OUT AS SHOWN.



CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

APPROVED AS DRAWN APPROVED AS NOTED REVISE & RESUBMIT SIGNATURE _____ DATE _____



REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVE

Arkansas Mechanical

PO Box 1642, Farmington, AR 72730 PHONE: (601) 500-5460 FAX: (601) 710-6670 EMAIL: reg146@captiveair.com www.captiveair.com

KFC - TRAD-PROTO 2022 - HC
 JOPLIN, MO, 64801

DATE: 4/21/2022
 DWG.#: 5439667
 DRAWN BY: Josh / 146
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 5

MECHANICAL DETAILS

KFC Dugas

Potranco Rd @ Dugas Rd, San Antonio, Tx 78251

NRG ENGINEERING

22057

DATE: 05.19.22
 JOB NO: 44343
 DRAWN BY: JMM
 SHEET NUMBER: 7.9

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1		DCV-2111	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		KMAU-1	SUPPLY	3	3.000	208	9.4

ELECTRICIAN NOTES :

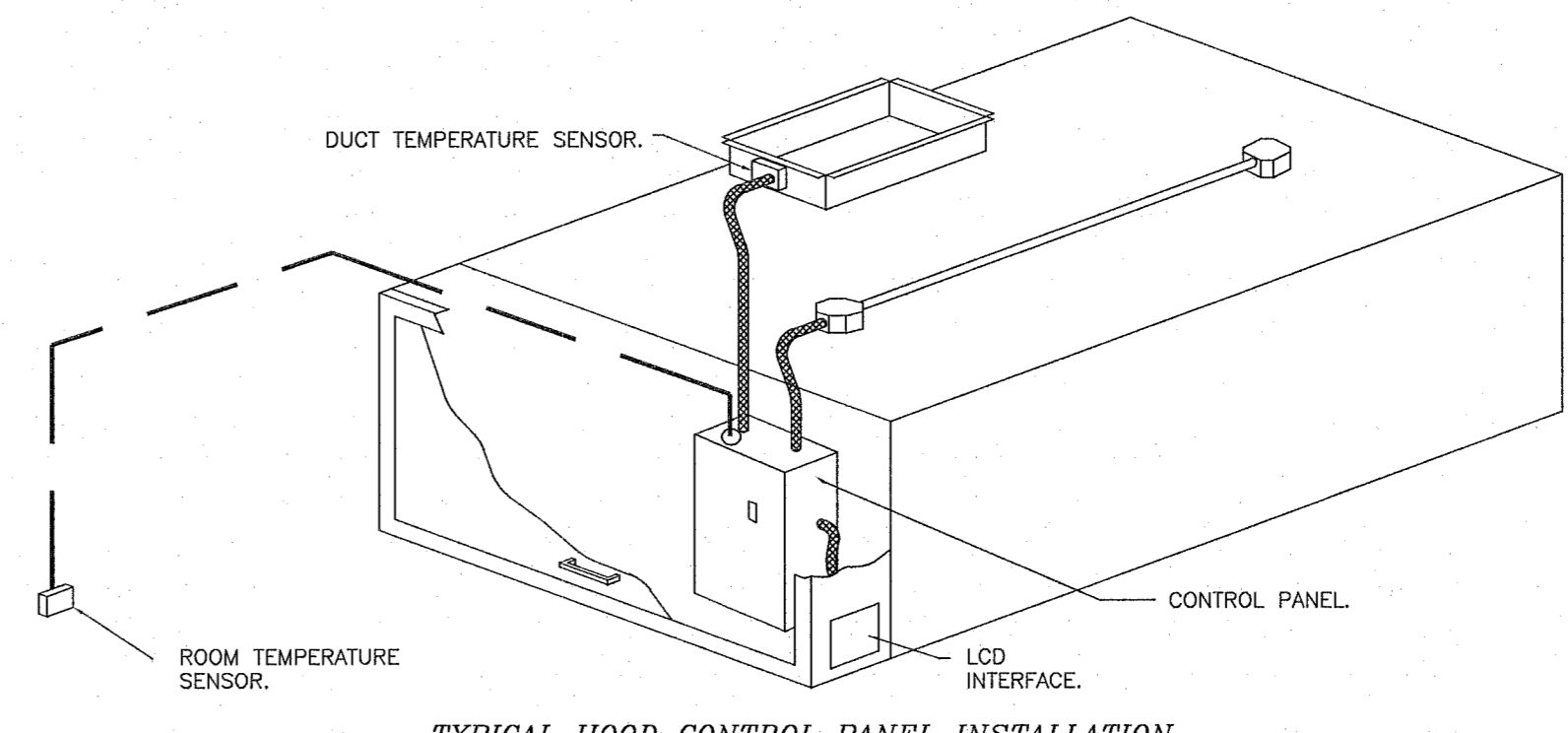
All Hood/Fan/DCV/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Ansul system microswitches, and any other component requiring an electrical connection to the Captive-Aire electrical package. Failure by the Electrician to make ALL required electrical connections and interconnections will result in the electrical controls not working properly. Any loss or failed test as a result of electrical controls not working properly is the responsibility of the Electrician. Light bulbs for kitchen hoods to be provided and installed by electrician.

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN 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.

CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

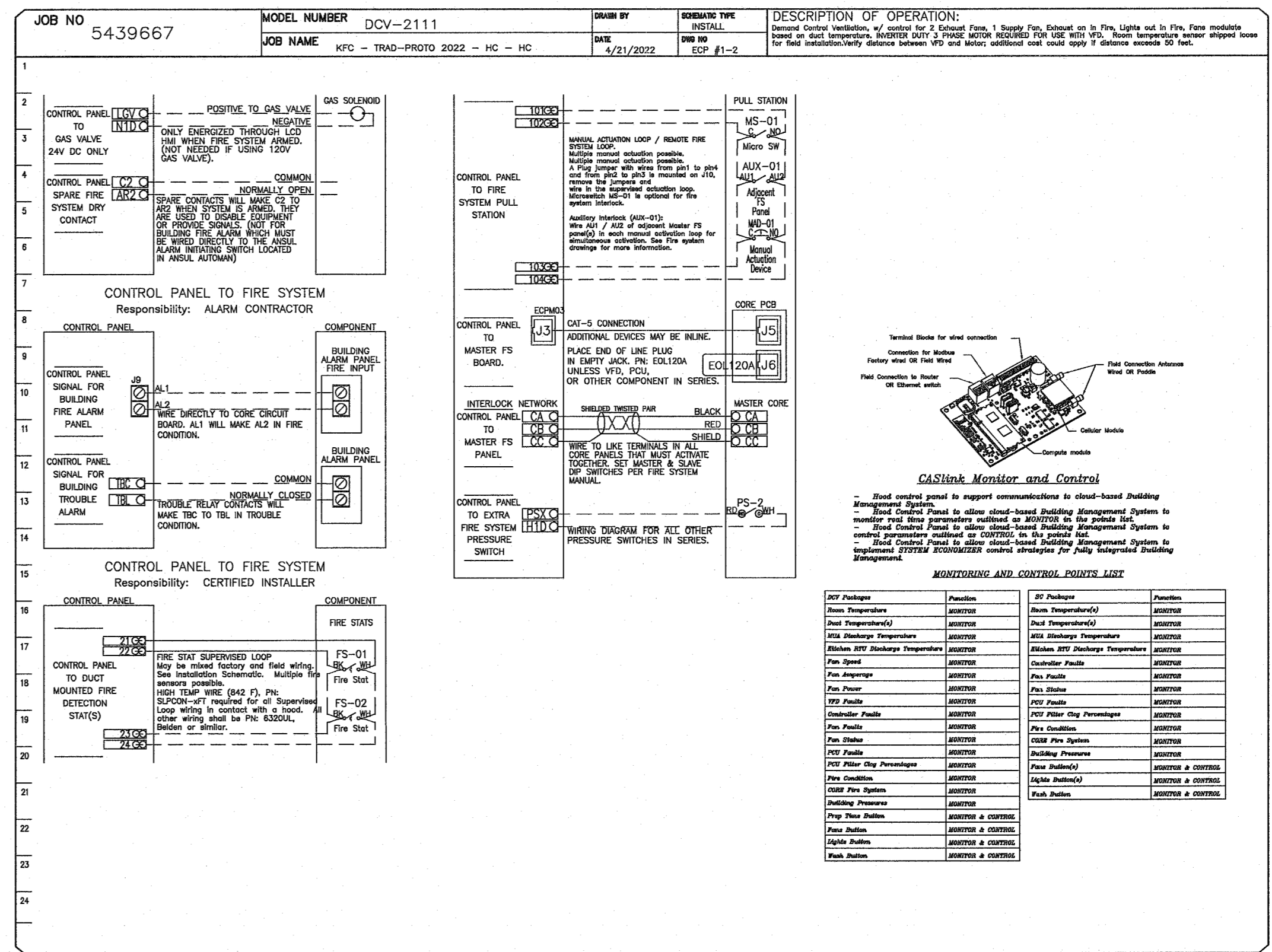
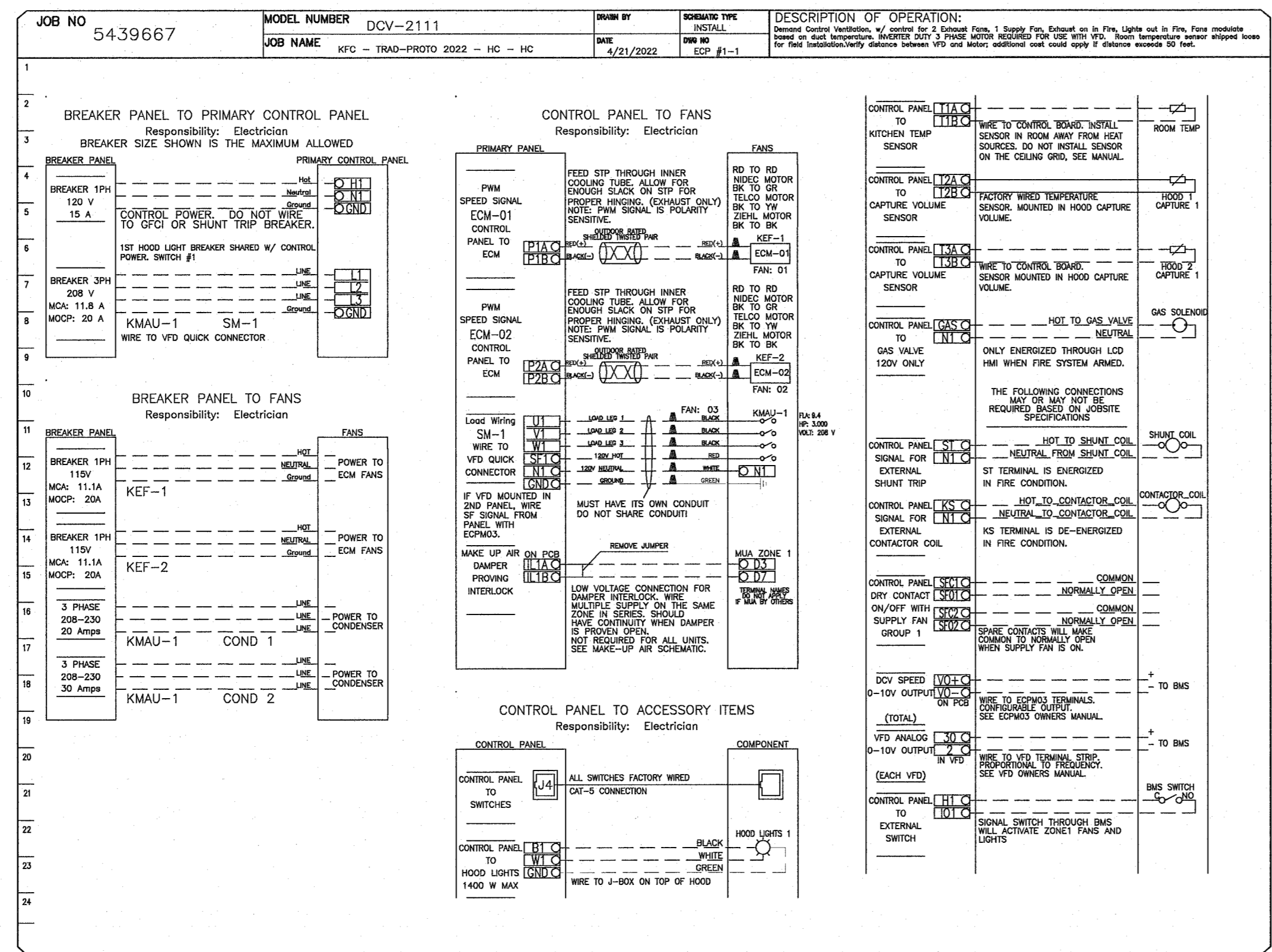
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TYPICAL HOOD CONTROL PANEL INSTALLATION

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.



REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVE

Arkansas Mechanical

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MECHANICAL DETAILS

KFC Dugas

Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

NRG ENGINEERING

3000 S. Loop West, Suite 1000, Houston, TX 77058

22057

KFC - TRAD-PROTO 2022 - HC

JOPLIN, MO, 64801

DATE: 4/21/2022

DWG.#: 5439667

DRAWN BY: Josh / 146

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

MASTER DRAWING

SHEET NO. 6

5/19/2022

SEAN W. POPE

ARCHITECTURE AND PLANNING CONSULTING

7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

Charles William Pope & Associates

DATE: 05.19.22

JOB NO: 44343

DRAWN BY: JMM

SHEET NUMBER: 7.10

DUCTWORK #1 PARTS - JOB#5439667 DOUBLE WALL KH-1

TAG	PART #	CFM	GPM	ZONE COVERED BY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1435DWLT-2R-S	1800			-0.0147	46.53	1683.79	1	DOUBLE WALL DUCT - 14" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P2	DW1447DWAJD-2R-S	1800			-0.0173	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.
P3 ASSEMBLED W/P4	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.
P4 ASSEMBLED W/P3	DW2314TP	1800			8.49	1683.79	1	DUCT TO CURB TRANSITION, 23" CURB TO 14" DUCT, 16 GA ALUMINIZED. USED ON BDU15, DU75 & 85.	
SYSTEM AT P4					-0.935	0.00			
P5	DW1435DWLT-2R-S	1800			-0.0147	46.53	1683.79	1	DOUBLE WALL DUCT - 14" INNER DUCT, 35" LONG - 2 LAYERS REDUCED CLEARANCE - 18" STAINLESS STEEL OUTER SHELL.
P6	DW1447DWAJD-2R-S	1800			-0.0173	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.
P7 ASSEMBLED W/P8	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.
P8 ASSEMBLED W/P7	DW2314TP	1800			8.49	1683.79	1	DUCT TO CURB TRANSITION, 23" CURB TO 14" DUCT, 16 GA ALUMINIZED. USED ON BDU15, DU75 & 85.	
SYSTEM AT P8					-0.935	0.00			
	3M-2000PLUS					0.80		2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
TOTAL WEIGHT						394.12			

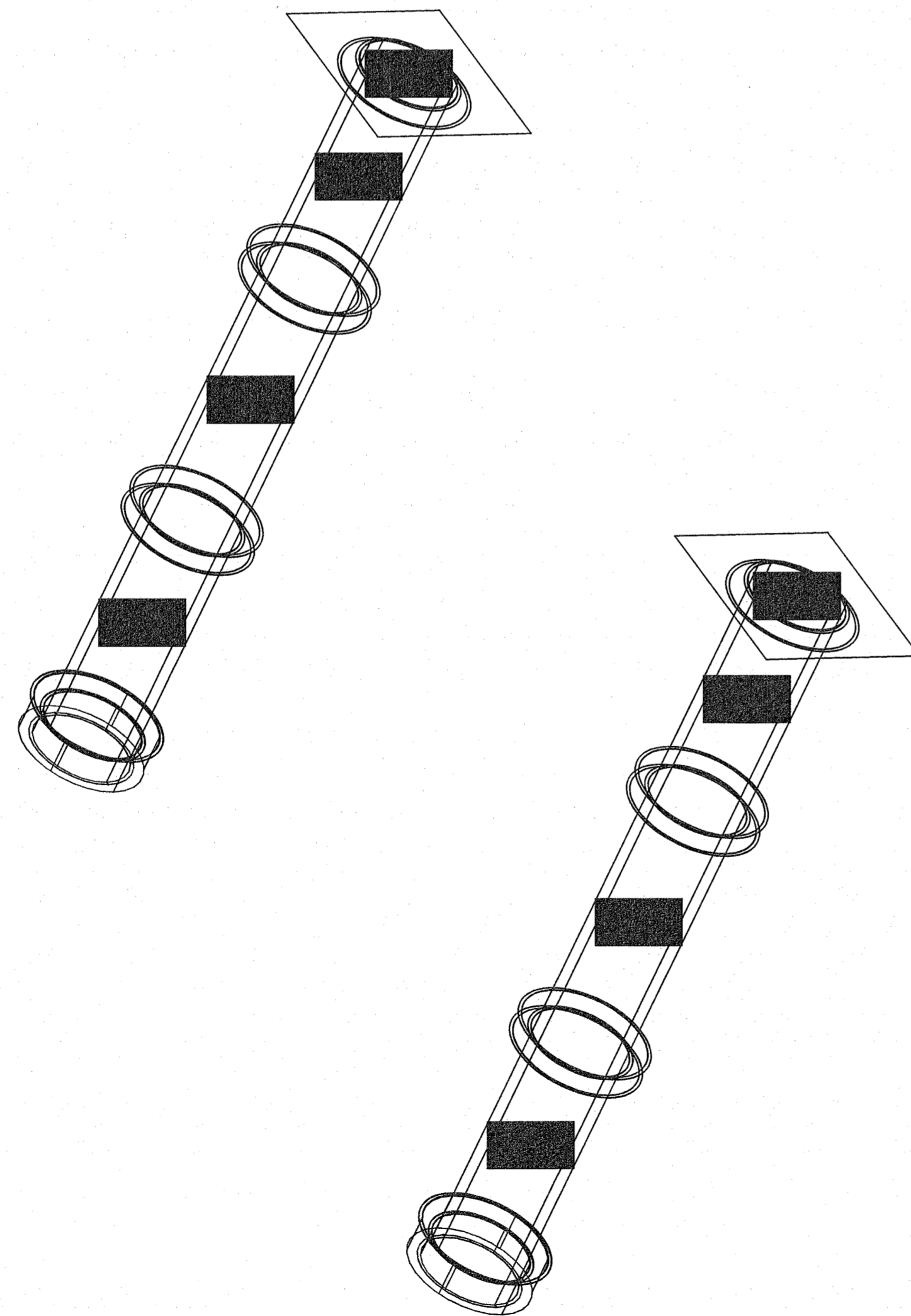
DOUBLE WALL FACTORY BUILT DUCTWORK

- 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.

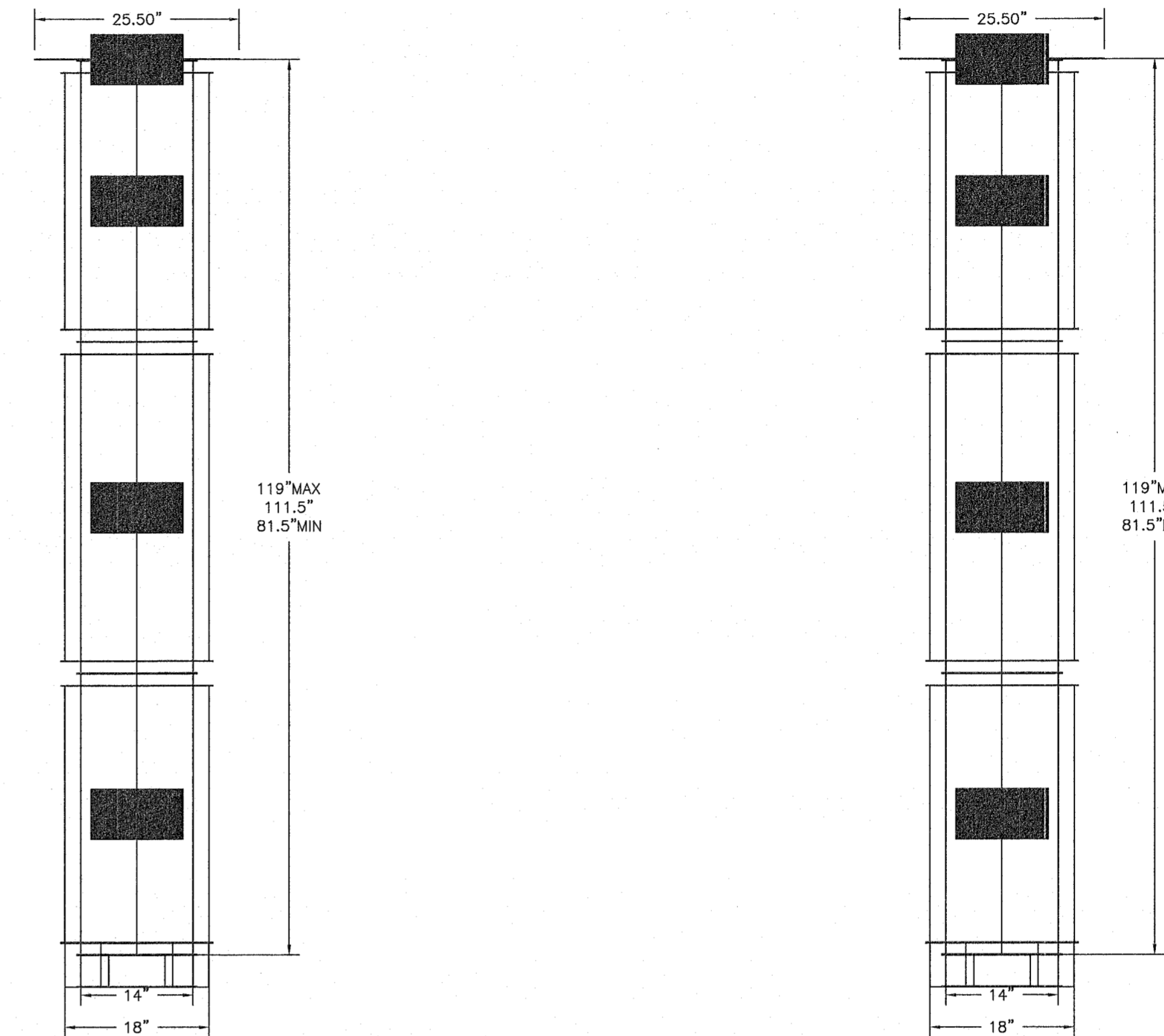
HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

TYPE	VERTICAL		
	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'

DUCTWORK #1 SE VIEW KH-1



DUCTWORK #1 FRONT VIEW KH-1



REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVE
Arkansas Mechanical
www.captiveair.com

PO Box 1642, Farmington, AR, 72730 PHONE: (501) 500-5460 FAX: (501) 710-6670 EMAIL: reg146@captiveair.com

KFC - TRAD-PROTO 2022 - HC
JOPLIN, MO, 64801

DATE: 4/21/2022
DWG.#: 5439667
DRAWN BY: Josh / 146
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 7

CUSTOMER APPROVAL TO MANUFACTURE: THIS BLOCK MUST BE COMPLETED BEFORE JOB WILL BE PUT INTO PRODUCTION

APPROVED AS DRAWN APPROVED AS NOTED REVISE & RESUBMIT SIGNATURE _____ DATE _____

REVISIONS:

MECHANICAL DETAILS

KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

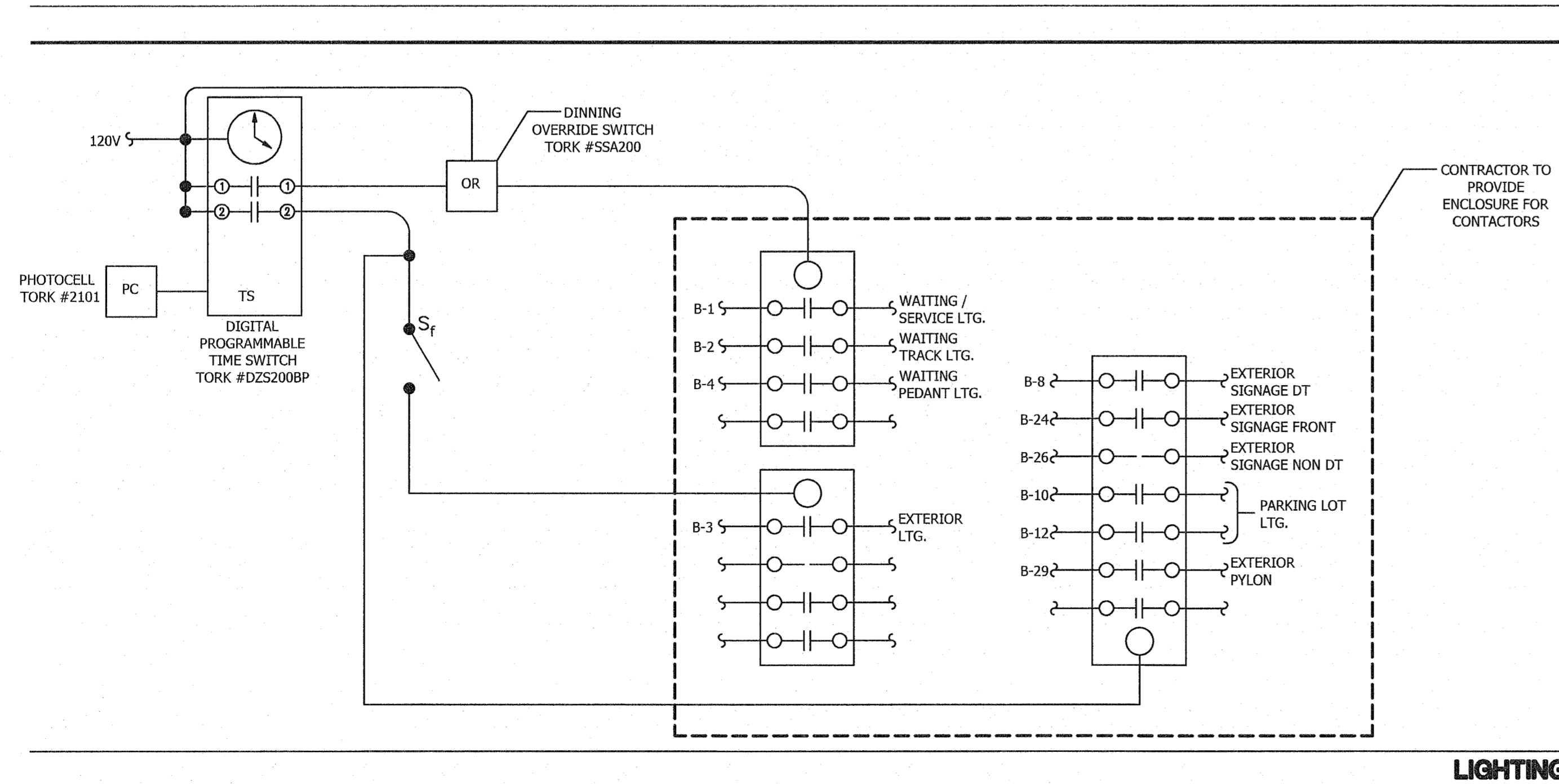
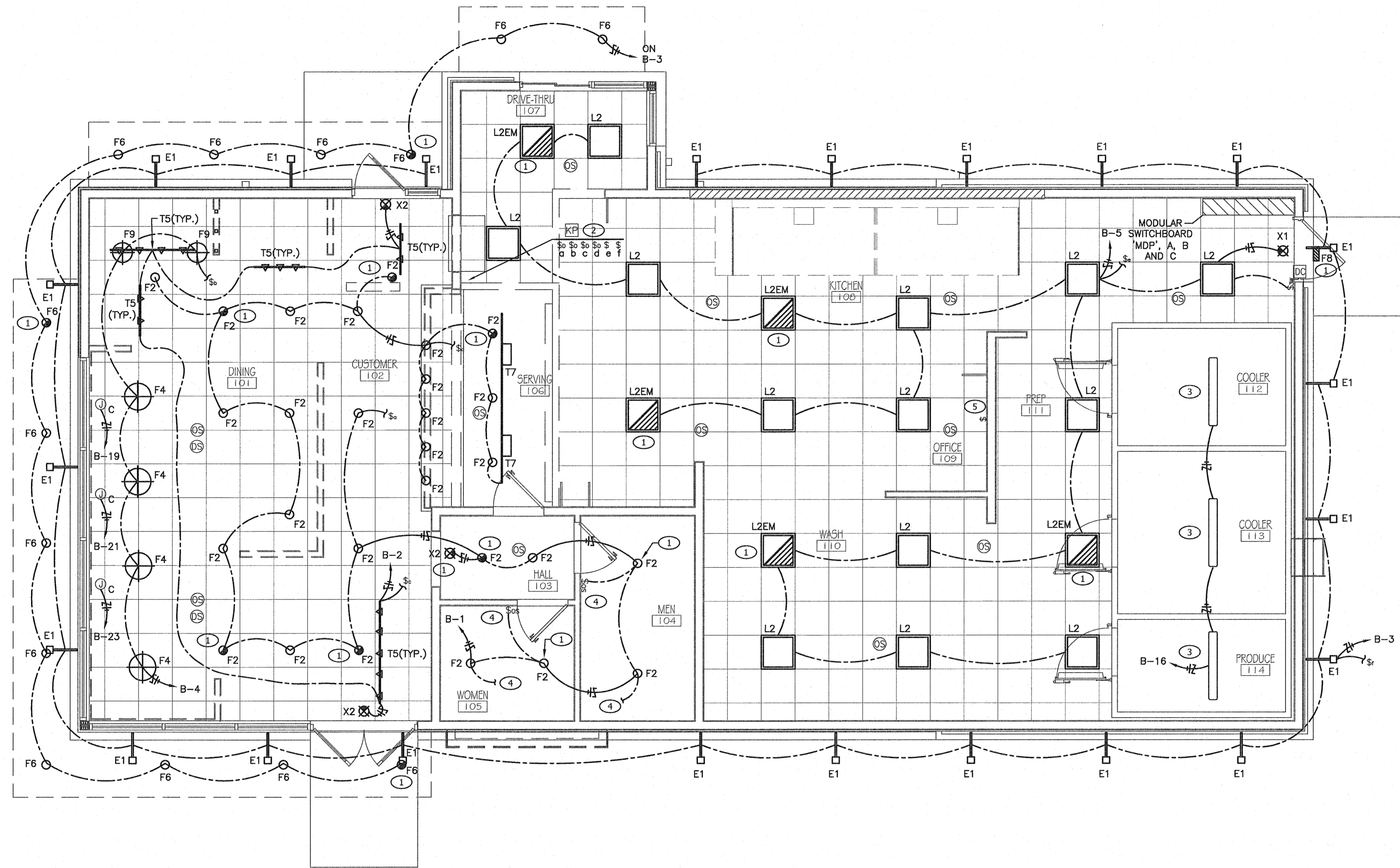
NRC ENGINEERING
P. O. BOX 1000, SAN ANTONIO, TX 78211
Texas Professional Registration No. P-00218
22057

5/19/2022

SEAL OF THE STATE OF TEXAS
SAN ANTONIO, TEXAS
564715
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEERING
D. W. ROBERTSON

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

DATE: 05.19.22
JOB NO: 44343
DRAWN BY: JMM
SHEET NUMBER: 7.11
OF



LIGHTING CONTROL DETAIL

D

- LIGHTING GENERAL NOTES**
- REFER TO 8.2 FOR LIGHTING FIXTURE SCHEDULE AND 8.3 FOR LIGHTING CONTROLS SCHEDULE AND DETAILS.
 - LOCATE ALL LIGHTING CONTROL POWER PACKS ABOVE ACCESSIBLE CEILING.
 - OCCUPANCY SENSORS ARE SHOWN FOR DIAGRAMMATICAL PURPOSES. FINAL QUANTITY AND LOCATION PER MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH THE FINAL LOCATION OF ALL EQUIPMENT AND DEVICES.
 - UPON JOB COMPLETION, PROVIDE ACCURATE, TYPED PANEL SCHEDULES.
 - CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
 - EXIT AND EMERGENCY LIGHTING TO BE FED FROM LOCAL CIRCUIT AND HAVE 90 MINUTE BATTERY BACKUP.

LIGHTING GENERAL NOTES

C

- LIGHTING KEYED NOTES**
- PROVIDE FIXTURE WITH INTEGRAL 90 MINUTE BATTERY BACK-UP. SEE CONTROLS SCHEDULE ON SHEET 8.3 FOR MORE INFORMATION.
 - COORDINATE FINAL SWITCH LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. (1) ON/OFF SWITCH SHALL CONTROL KITCHEN. (1) ON/OFF SWITCH SHALL CONTROL EXTERIOR LIGHTS. (4) DIMMING SWITCHES SHALL CONTROL WAITING AND SERVING AREAS. REFER TO LIGHTING CONTROL DETAIL ON THIS SHEET.
 - COORDINATE COOLER/FREEZER LIGHTING WITH FOOD SERVICE REPRESENTATIVE AND OWNER.
 - PROVIDE OCCUPANCY WALL SWITCH WITH ADDITIONAL RELAY FOR CONTROL OF LOCAL EXHAUST FAN.
 - PROVIDE 2 HOUR OVERRIDE SWITCH, COORDINATE EXACT LOCATION WITH OWNER REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO LIGHTING CONTROL DETAIL ON THIS SHEET.

LIGHTING KEYED NOTES

B

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SHEET NUMBER:

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OF

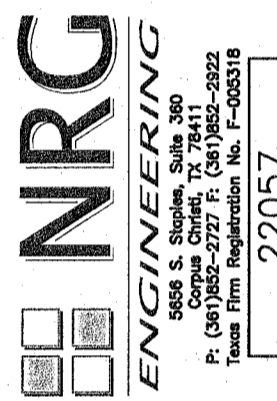
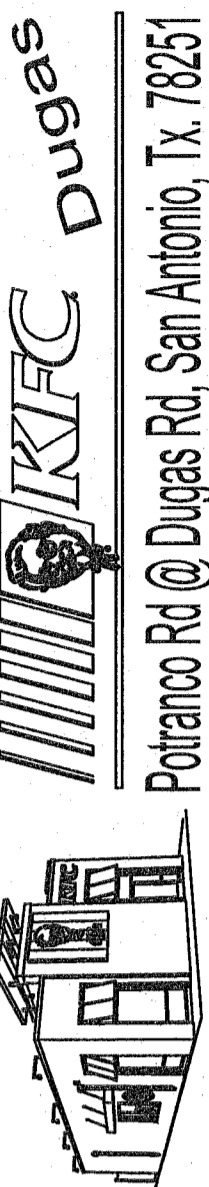
LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER/CATALOG NUMBER	LIGHT FIXTURE DESCRIPTION	LAMP	MOUNTING LOCATION	FIXTURE VOLTAGE	FIXTURE WATTAGE	REMARKS/INSTRUCTIONS
F2	ELITE TCP: B6IC-AT-W / LED14DR5630K95	6" RECESSED LED DOWNLIGHT WITH WHITE TRIM 3000K 90 CRI	LED	SALES FLOOR, BEHIND COUNTER & RESTROOMS	120	26W	NOTE: CONTRACTOR SHALL VERIFY ALL QUANTITIES OF LIGHT FIXTURES. ALL FIXTURE TYPES MAY NOT BE USED. REFER TO PLANS FOR PROJECT SPECIFIC
F4	SEASCAPE PENDANT - CAPITOL LIGHT SPEC	SUSPENDED 14" DIAMETER LED PENDANT WITH TAPERED ACRYLIC INNER AND OUTER DIFFUSER CABLE SUSPENSION MATTE WHITE EXTERIOR FINISH AND CUSTOM RAL#3001 RED INTERIOR FINISH 3000K WITH BLACK MOUNTING CORD	LED	PENDANT	120	21W	
F6	INDY: L6-28LM-40K-MVOLT-G4-80CRI-ZT-HM-CS-WET	6" RECESSED LED DOWNLIGHT	LED	CANOPY	120	29W	
F8	LITHONIA: WPX1 LED P1 40K MVOLT DWHXD	EXTERIOR RATED LED WALL PACK 4000K DARK WHITE FINISH	LED	EMPLOYEE ENTRANCE WALL PACK	120	11W	
F9	KICHLER: 82279	10" DIAMETER CLEAR GLASS PENDANT MEDIUM BASE SOCKET 72" BLACK CORD	TCP: 21037 TCP FST19D4022KG	OPEN AREAS/ DINING AREAS	120V	4W	
E1	HUBBELL: LIGHT: RFL2-44L-25-3K7-M-UNV-K-BL BRACKET: 93125951	SINGLE ARRAY LED FLOOD LIGHT 3000K BLACK FINISH WITH CUSTOM 36" ARM BRACKET BLACK FINISH	LED	EXTERIOR LIGHTS	120	25W	
T5	LF ILLUMINATION: TZA01-A-3-06C-9230-M-D1-1-WW	VERTICAL INTEGRATED LED TRACK LIGHT WHITE FINISH 3000K 38 DEGREE BEAM	LED	FRONT OF COUNTER/ DINING ROOM TRACK HEAD	120	6 W	
T7	AMERLUX: MURH-31-LED-WT-TJ1-120-WW-30	HORIZONTAL INTEGRATED LED WALL WASHER TRACK LIGHT 3000K HI CRI WHITE FINISH	LED	MENU BOARD & DINING ROOM LIGHT	120	31 W	
TRACK	CONTECH: LT8P LT4P LT6P LT2P	SINGLE CIRCUIT LINE VOLTAGE TRACK WHITE FINISH	N/A	SALES FLOOR & BEHIND SERVICE COUNTER			
L1	CREE: C-TR-C-FP24-50L-35K-WH	2X4 BACK LIT LED PANEL 3500K	LED	KITCHEN LIGHTS	120	41 W	
L1 EM	CREE: C-TR-C-FP24-50L-35K-WH-EB	2X4 BACK LIT LED PANEL 3500K WITH EM BATTERY	LED	KITCHEN LIGHTS	120	41 W	
L2	CREE: C-TR-C-FP22-37L-35K-WH	2X2 BACK LIT LED PANEL 3500K	LED	KITCHEN LIGHTS	120	31 W	
L2 EM	CREE: C-TR-C-FP22-37L-35K-WH-EB	2X2 BACK LIT LED PANEL 3500K WITH EM BATTERY	LED	KITCHEN LIGHTS	120	31 W	
L3	CREE: C-TR-C-FP14-37L-35K-WH ABB: 90139	1X4 BACK LIT LED PANEL 3500K WITH FLANGE KIT	LED	KITCHEN LIGHTS/ RESTROOM RECESSED TROFFER	120	29 W	
L3 EM	CREE: C-TR-C-FP14-37L-35K-WH-EB ABB: 90139	1X4 BACK LIT LED PANEL 3500K WITH EM BATTERY AND FLANGE KIT	LED	KITCHEN LIGHTS/ RESTROOM RECESSED TROFFER	120	29 W	
X1	ELITE: ELX-703-R-W	UNIVERSAL MOUNT EXIT SIGN WITH 2 HEAD EM LIGHT WHITE FINISH RED LETTERS	LED	EXIT SIGN WITH EM LIGHT	120	4 W	
X2	ELITE: ELX-603-R-W	UNIVERSAL MOUNT EXIT SIGN WHITE FINISH RED LETTERS	LED	EXIT SIGN	120	2 W	
INVERTER	LIGHT ALARMS: LMIU-125 (125 WATTS) LIGHT ALARMS: LMIU-250 (250 WATTS) LIGHT ALARMS: LMIU-400 (400 WATTS) LIGHT ALARMS: LMIU-720 (720 WATTS)	INVERTER		FRONT OF COUNTER EM LIGHTS			
S1	LITHONIA: RSX2-LED-P1-40K-R3	SITE POLE LIGHT	LED	EXTERIOR SITE	208	73 W	TYPE III, SHORT, BUG RATING: B2 - U0 - G2
S2	LITHONIA: RSX2-LED-P1-40K-R4	SITE POLE LIGHT	LED	EXTERIOR SITE	208	73 W	TYPE IV, SHORT, BUG RATING: B2 - U0 - G2
S3	LITHONIA: RSX2-LED-P1-40K-R5	SITE POLE LIGHT	LED	EXTERIOR SITE	208	145 W	TYPE VS, BUG RATING: B4 - U0 - G2
S4	LITHONIA: RSX2-LED-P1-40K-R2	SITE POLE LIGHT	LED	EXTERIOR SITE	208	115 W	TYPE II, SHORT, BUG RATING: B2 - U0 - G2

NOTE #1: PROVIDE PRE-DRILLED POLE AND ACCESSORIES FOR FIXTURE MOUNTING AT INDICATED ORIENTATION(S). FIXTURE MOUNTING HEIGHT: 23' AFG (20' POLE + 3' BASE). POLE SHALL BE STRAIGHT SQUARE STEEL POLE, RATED FOR 4-HEAD VERSION EPAS AND WEIGHTS, PER 2018 IBC WIND LOADING FOR LOCATION. LITHONIA MODEL #SSS-20-5G-DMXXX-CBA OR EQUIVALENT.
NOTE #2: ALL LIGHT FIXTURES SHALL BE APPROVED BY OWNER.
NOTE #3: CBA = COLOR BY ARCHITECT.

REVISIONS:

LIGHTING FIXTURE SCHEDULE



MAY 19 2022



Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

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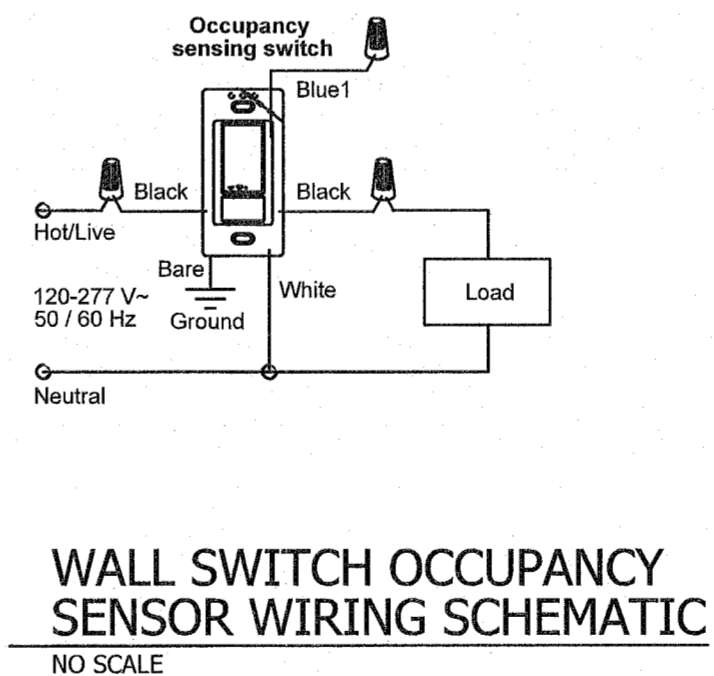
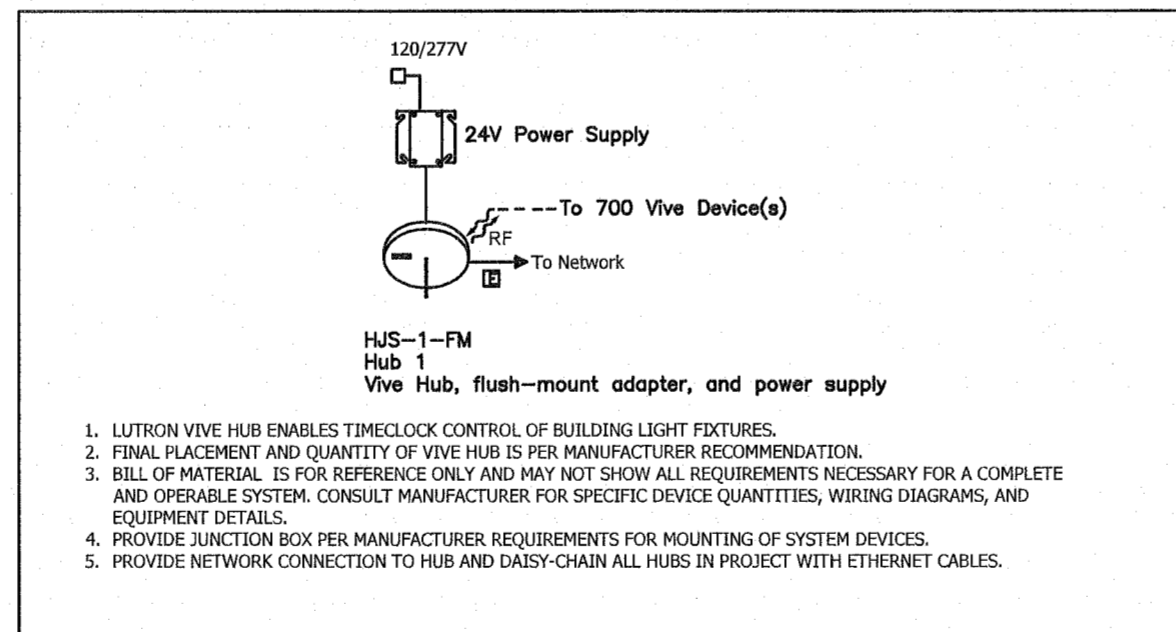
LIGHTING CONTROL SCHEDULE				
SYMBOL	STYLE	DESCRIPTION	COLORS	MANUFACTURER & SERIES
Ⓢ	VARIES	PASSIVE INFRARED WIRELESS CEILING/CORNER/WALL MOUNT OCCUPANCY SENSOR WITH 10 YEAR BATTERY/TIMEOUT AUTOMATIC MODE: 1-30 MINUTES, INDOOR USE ONLY, UL AND CUL LISTED, FIVE YEAR WARRANTY.	WHITE	BASIS-OF-DESIGN: LUTRON RADIO POWR SAVR WIRELESS OCCUPANCY SENSOR. MODEL: LRF2-OCR2B-P-WH/LRF2-OHLB-P-WH. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓢ	WIRELESS DAYLIGHT SENSOR	WIRELESS CEILING/CORNER/WALL MOUNT DAYLIGHT SENSOR WITH 10 YEAR BATTERY, FIVE YEAR WARRANTY.	WHITE	BASIS-OF-DESIGN: LUTRON POWR SAVR WIRELESS DAYLIGHT SENSOR. MODEL: LRF2-DCRB-WH. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓢ	EMERGENCY POWER PACK DIMMING MODULE (ZONE)	EMERGENCY POWPACK WIRELESS COMMUNICATION ZONE CONTROL DIMMING MODULE WITH 0-10V CONTROL.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: RMJS-BT-DV-B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
S _D	PICO 3-BUTTON RAISE/LOWER WIRELESS SWITCH	WIRELESS SWITCH WITH ON, OFF, 50% AND RAISE LOWER CONTROL.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: PJ2-3BRL-LA-L01 SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
S	PICO 2-BUTTON SWITCH	ON/OFF WIRELESS CONTROL SWITCH.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: PJ2-2B-LA-L01 SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
S _{DS}	MAESTRO DUAL TECHNOLOGY OCCUPANCY SENSOR	WIRED ON/OFF SWITCH WITH PIR OCCUPANCY SENSOR AND WIRELESS CONNECTION TO VIVE HUB.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: MRF2S-8SS-LA SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
S _{DOS}	MAESTRO 0-10V DIMMER WITH OCCUPANCY SENSOR	WIRED DIMMING SWITCH WITH PIR OCCUPANCY SENSOR AND WIRELESS CONNECTION TO VIVE HUB.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: MS-2101-LA SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
S _{ME}	MAESTRO ELV DIMMER	VIVE-ENABLED WIRED DIMMING FOR ELECTRONIC LOW VOLTAGE LOADS.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: MRF2S-6ELV120-LA SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
	CLARO WALLPLATE (GANG)	WIRELESS WALL SWITCH PLATE, 1, 2, 3, 4, 5 GANG PLATES.	LIGHT ALMOND	BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: CW-X-LA. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓥ	WALLBOX ADAPTER	WIRELESS SWITCH WALL BOX ADAPTER KIT.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: PICO-WBX-ADAPT. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓥ	POWER PACK DIMMING MODULE (FIXTURE)	POWPACK WIRELESS COMMUNICATION FIXTURE CONTROL DIMMING MODULE WITH 0-10V CONTROL.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: FCJS-010. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓥ	POWER PACK DIMMING MODULE (ZONE)	POWPACK WIRELESS COMMUNICATION DIMMING MODULE WITH 0-10V CONTROL.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: RMJS-STN-DV-B. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
Ⓥ	POWER PACK SWITCHING MODULE (ZONE)	POWPACK WIRELESS COMMUNICATION FIXTURE CONTROL ON/OFF SWITCHING MODULE.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: HJS-1-FM. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.
	VIVE HUB	VIVE HUB, FLUSH-MOUNT ADAPTER, AND POWER SUPPLY.		BASIS-OF-DESIGN: LUTRON ELECTRONICS, MODEL: HJS-1-FM. SUBJECT TO COMPLIANCE WITH REQUIREMENTS LISTED IN DESCRIPTION.

- NOTES:
- COLOR OF SWITCHBOX OCCUPANCY SENSORS SHALL MATCH COLOR OF OTHER WIRING DEVICES. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR REQUIREMENTS.
 - FIXTURE SYMBOL ON FLOOR PLANS FOR CEILING OCCUPANCY/VACANCY SENSOR(S) IS INTENDED TO BE GENERIC. TYPE OF CEILING OCCUPANCY SENSOR (DUAL TECHNOLOGY PIR AND ULTRASONIC) SHALL BE SELECTED PER RECOMMENDATIONS OF OCCUPANCY SENSOR EQUIPMENT SUPPLIER BASED ON TYPE OF SPACE, OBSTRUCTIONS IN SPACE, SENSOR COVERAGES/APPLICATIONS, ETC.
 - GANG ALL WIRELESS SWITCHES LOCATED NEXT TO EACH OTHER WITH A SINGLE GANGED FACE PLATE.
 - WIRELESS AND WIRED SOLUTIONS MAY BE SUBMITTED FOR CONTROL SYSTEM ALTERNATES.

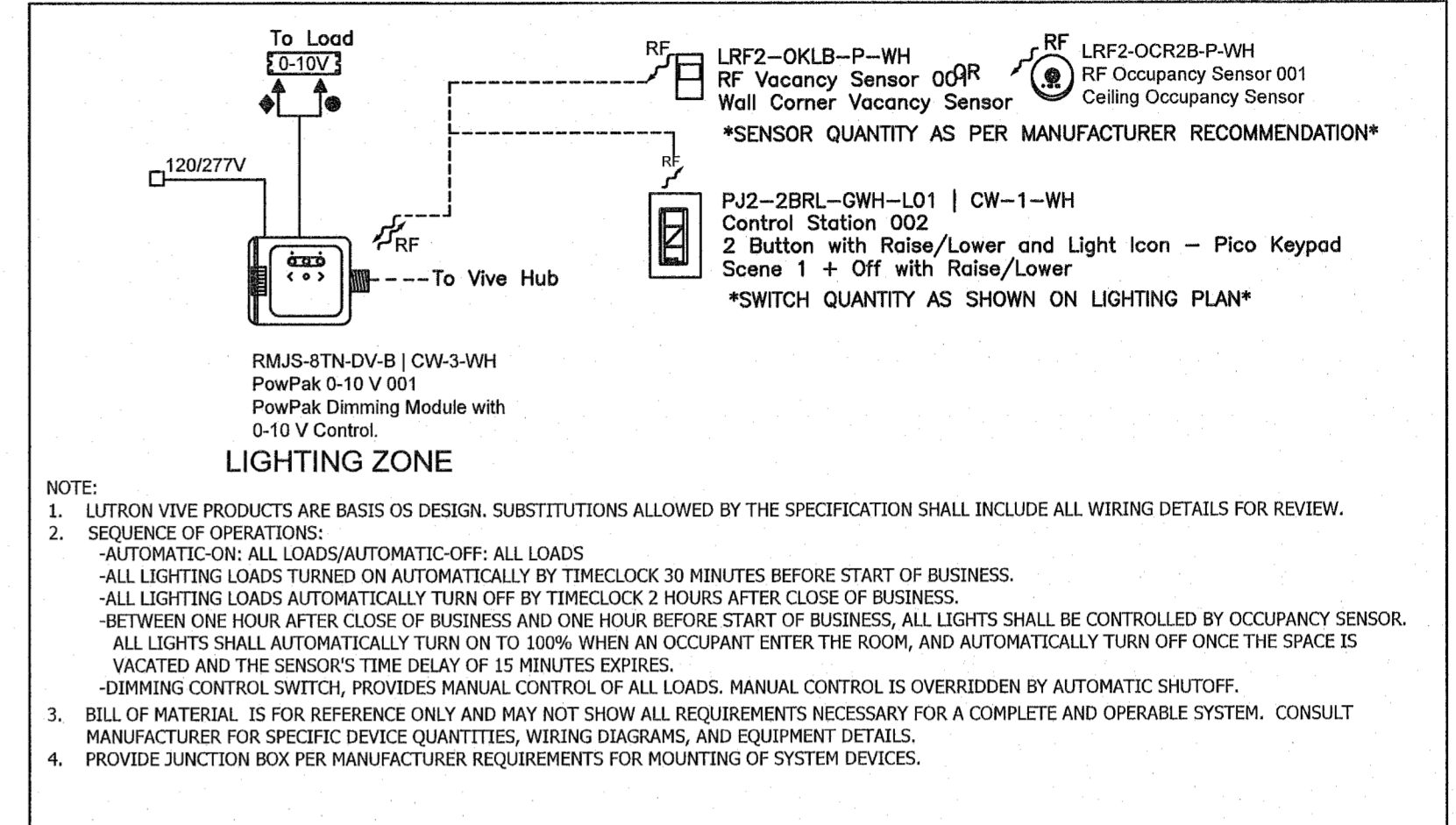
GENERAL NOTES:

- BASIS OF DESIGN: LUTRON ELECTRONIC'S VIVE WIRELESS CONTROL SYSTEM.
- CONTROL DETAILS ARE FOR TYPICAL ROOM TYPES. DETAILS ARE FOR REFERENCE ONLY. FINAL DEVICE QUANTITY, MODEL NUMBERS, AND LAYOUT PER MANUFACTURER RECOMMENDATION.
- VERIFY COMPLIANCE WITH ALL LOCAL CODES FOR FINAL DESIGN SPECIFICATION.
- DEVICES ALREADY ACCOUNTED FOR IN CONTROL DETAILS ARE SHOWN IN HALF-TONE.
- INCLUDE IN BASE BID: STARTUP SUPPORT SERVICES, ONSITE SYSTEM PROGRAMMING LSC-OS-PROGX-SP 4 HOUR.
- INCLUDE IN BASE BID: LSC-SENS-LT SENSOR LAYOUT AND TUNING SERVICE.

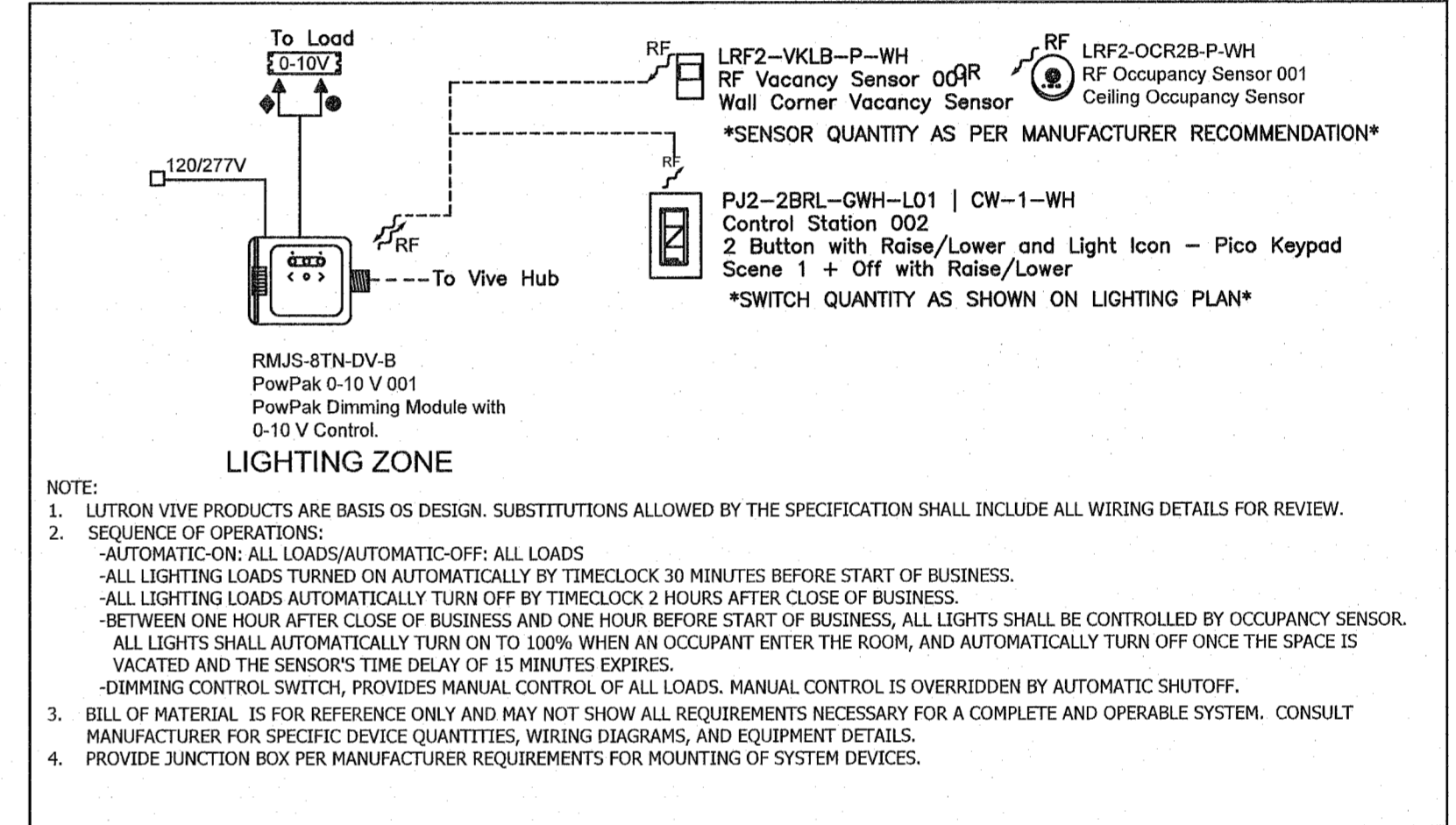
TYPICAL VIVE HUB



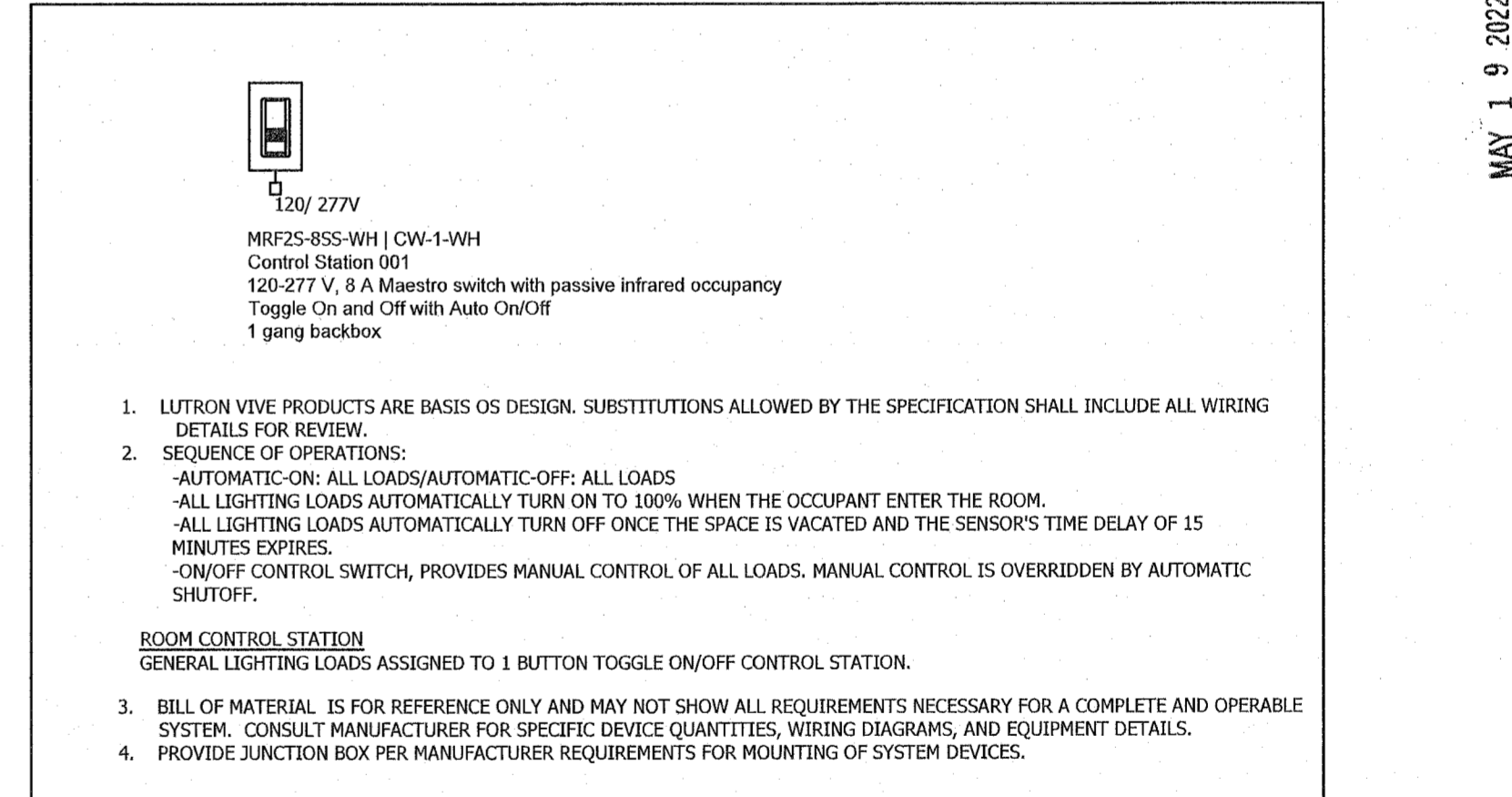
DINING ROOM



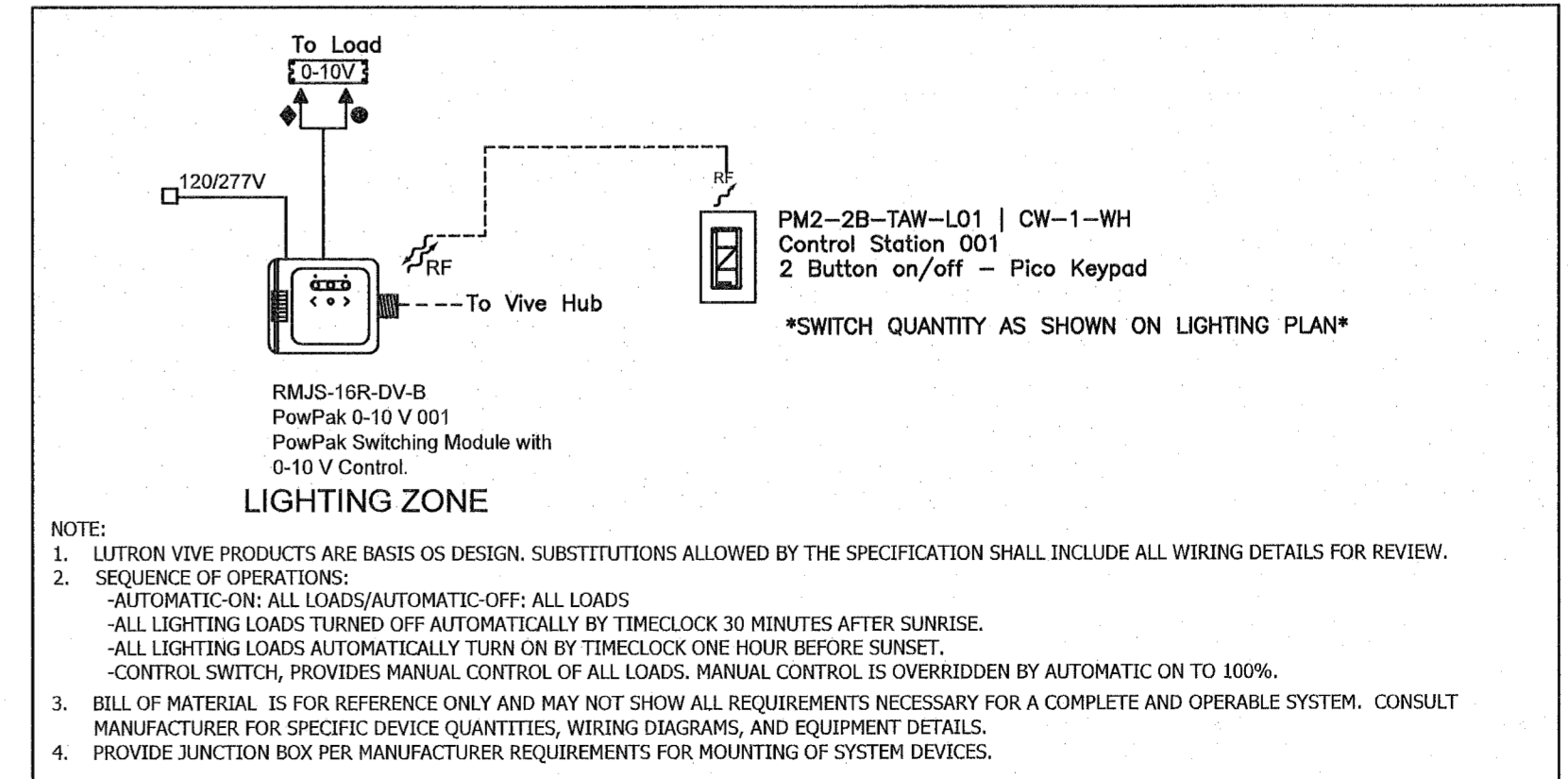
KITCHEN



RESTROOMS



EXTERIOR LIGHTING



LIGHTING CONTROL SCHEDULE AND DETAILS

REVISIONS:

LIGHTING CONTROL SCHEDULE AND DETAILS

KKFC Dugas

Potranc Rd @ Dugas Rd, San Antonio, Tx. 78251

NRG ENGINEERING

22057

5/19/2022

MAY 19 2022

JOHN A. RODRIGUEZ III

Professional Engineer

State of Texas

Registration No. 00283

Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING

7400 BLANCO RD., # 251, SAN ANTONIO, TX. 78216

DATE: 05.19.22

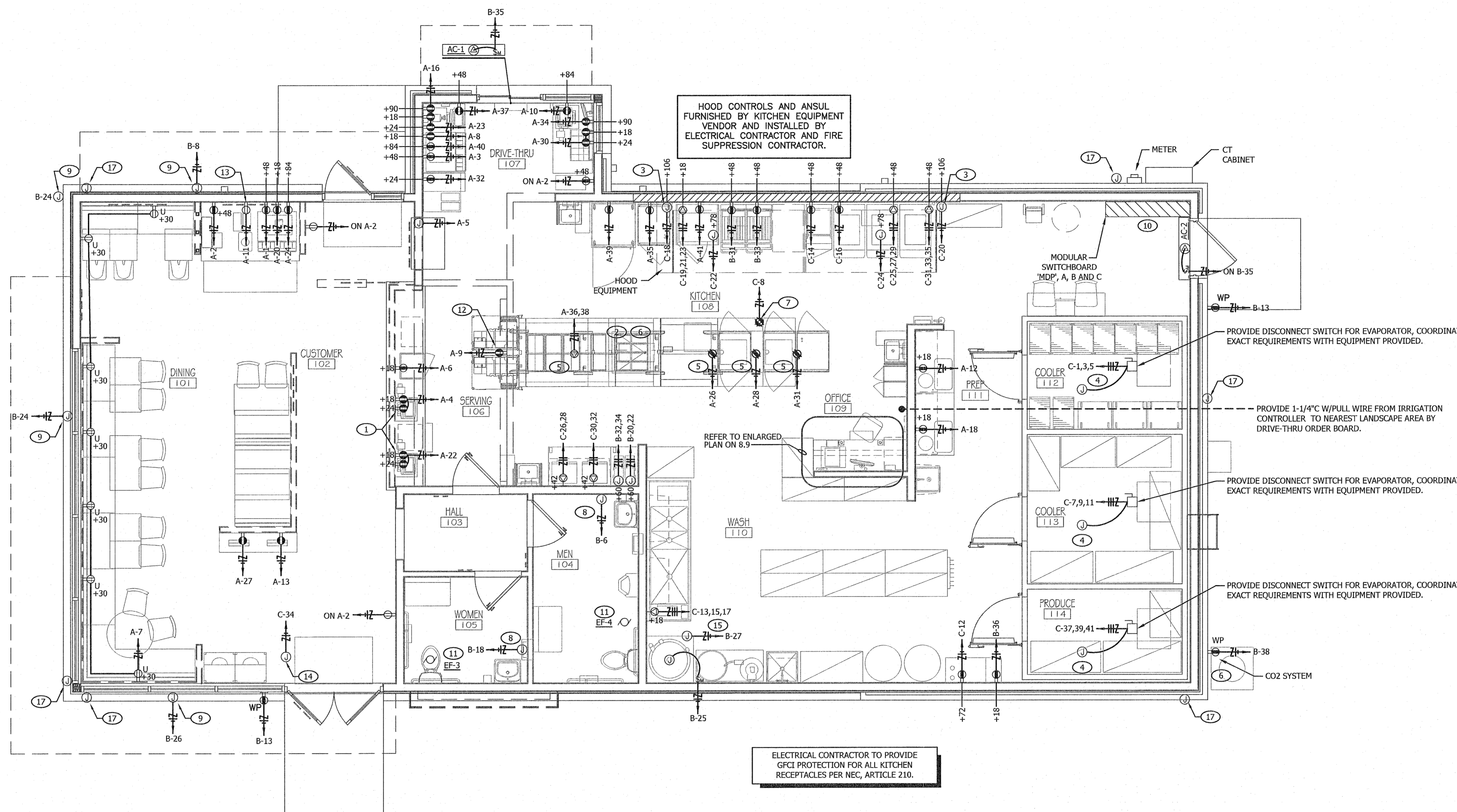
JOB NO: 44343

DRAWN BY: MRL

SHEET NUMBER:

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REVISIONS:

POWER FLOOR PLAN

IKFC Dugas

Portanco Rd @ Dugas Rd, San Antonio, Tx. 78251

NRG ENGINEERING

519/2022

MAY 19 2022

22057

POWER PLAN 1/4"=1'-0" A

- A. VERTICAL DIMENSIONS TO DEVICES ARE FROM FINISHED FLOOR TO CENTER OF BOX, UNLESS NOTED OTHERWISE.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS UNLESS NOTED OTHERWISE.
- C. ALL JUNCTION BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- D. CONTRACTOR TO VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE FINAL LOCATION OF ELECTRICAL ROUGH-INS WITH INFO PROVIDED ON THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS, AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS SHALL BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED PER NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER, AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE ALL APPURTENANCES AS REQUIRED.
- J. ELECTRICAL EQUIPMENT ENCLOSURES RATING SHALL BE NEMA 1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS, THE STANDARD RATING FOR EXTERIOR ENCLOSURES SHALL BE NEMA-4X.
- K. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN KITCHEN AREA SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL PER CEC 210.8(B).
- L. ALL SECURITY SYSTEM EQUIPMENT AND POINT-OF-SALE EQUIPMENT, INCLUDING DIGITAL MENU BOARDS, SHALL BE PLACED ON ISOLATED GROUND OUTLETS.
- M. DO NOT MEASURE/LOCATE DEVICES ON DRAWINGS. USE DIMENSIONS PROVIDED ON ARCHITECTURAL PLANS.
- N. CONDUIT MAY RUN UNDER SLAB AT GENERAL CONTRACTOR'S DISCRETION.
- O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULK OR EXPANDING FOAM FOR SEALANT.
- P. ALL DEVICE MOUNTING HEIGHTS NOTED ARE APPROXIMATE. FINAL MOUNTING HEIGHTS MUST BE VERIFIED WITH ASSOCIATED EQUIPMENT PRIOR TO ROUGH-IN.

- 1 INSTALL SURFACE MOUNTED IN CONDUIT RUNNING ON KITCHEN SIDE OF CABINERY REAR WALL.
- 2 PACK LINE EQUIPMENT SHALL BE POWERED VIA CEILING MOUNTED RECEPTACLES AS INDICATED ON PLAN. COORDINATE WITH MANUFACTURER'S SHOP DRAWINGS FOR EXACT DEVICE LOCATIONS PRIOR TO ANY ROUGH-IN WORK. COORDINATE WITH PACK LINE EQUIPMENT PRIOR TO ROUGH-IN.
- 3 JUNCTION BOX FOR ANSUL SYSTEM. LOCATE ABOVE CEILING.
- 4 REFER TO ROOF PLAN FOR LOCATION OF CONDENSING UNIT.
- 5 CEILING MOUNTED TWIST-LOCK RECEPTACLE. COORDINATE WITH PACK LINE EQUIPMENT PRIOR TO ROUGH-IN.
- 6 ALIGN CEILING MOUNTED RECEPTACLES ALONG CENTERLINE OF TABLE.
- 7 CEILING RECEPTACLE FOR PACK LINE MONITORS.
- 8 JUNCTION BOX FOR 120V CONNECTION TO HAND DRYER. COORDINATE FINAL MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 9 EXTERIOR SIGNAGE SHALL BE TIED INTO LIGHTING CONTROLS SYSTEM. REFER TO LIGHTING PLAN FOR ADDITIONAL INFORMATION.
- 10 PROVIDE UNDERGROUND CONDUIT FOR POWER AND DATA FOR MENU BOARD LOCATED ON THE EXTERIOR SITE. REFER TO DETAIL 14/8.10 FOR FINAL REQUIREMENTS. FINAL MENU BOARD LOCATION WILL BE SITE SPECIFIC.
- 11 EXHAUST FAN SHALL BE TIED INTO LOCAL LIGHTING CIRCUIT. EXHAUST FAN SHALL BE CONTROLLED VIA LOCAL WALL SWITCH OCCUPANCY SENSOR. REFER TO LIGHTING PLAN FOR ADDITIONAL INFORMATION.
- 12 POWER FOR MENEUBOARD. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH MENEUBOARD INSTALLER.
- 13 RECEPTACLE FOR PEPSI SIGN. COORDINATE FINAL MOUNTING HEIGHT AND LOCATION WITH SIGNAGE.
- 14 POWER FOR AUTOMATIC SLIDING DOOR. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- 15 PROVIDE POWER AND MAKE CONNECTION TO RECIRCULATING PUMP PER MANUFACTURES RECOMMENDATION.
- 16 PROVIDE REMOTE CO2 SAFETY ALARM SYSTEM, MODEL #Y78-CO2MNR. COORDINATE WITH CO2 VENDOR FOR INSTALLATION.
- 17 PROVIDE JUNCTION BOX FOR EXTERIOR CAMERA. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER.

POWER GENERAL NOTES C

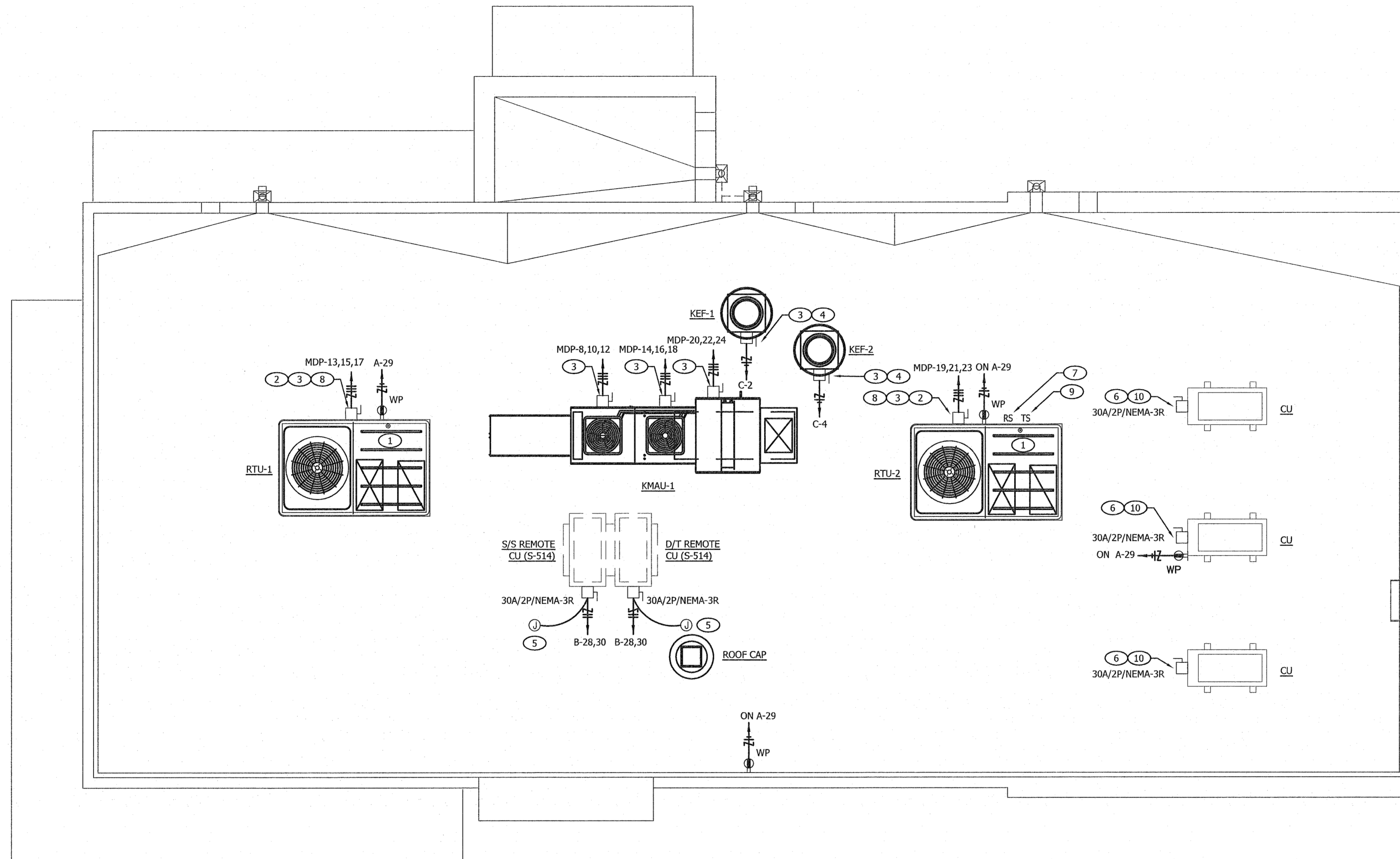
POWER KEYED NOTES B

Charles William Pope & Associates

ARCHITECTURE PLANNING CONSULTING

7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.19.22
JOB NO: 44343
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SHEET NUMBER: **8.4**



POWER ROOF PLAN 1/4"=1'-0" **A**

- POWER ROOF PLAN NOTES** **D**
- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
 - B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MANUFACTURER'S AND INSTALLER'S REQUIREMENTS.
 - C. REFER TO MECHANICAL SCHEDULE FOR FINAL ELECTRICAL CONNECTION REQUIREMENTS.
 - D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS, UNLESS NOTED OTHERWISE.
 - E. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
 - F. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MANUFACTURER RECOMMENDATIONS.
 - G. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
 - H. ALL OUTLETS AND JUNCTION BOXES BEHIND SIGNAGE SHALL BE RECESSED OR FLUSH WITH BUILDING FINISH SURFACE.
 - I. SOME BOXES ARE LOCATED WITHIN CONCRETE POURS. INSTALL BOXES AND CONDUIT IN SUCH LOCATIONS PRIOR TO POURING OF CONCRETE. COORDINATE WITH OTHER TRADES.
 - J. PROVIDE UNISTRUT MOUNTING SYSTEM FOR DISCONNECT SWITCHES AND RECEPTACLES.

- 1 PROVIDE CONNECTION FROM RETURN AIR DUCT SMOKE DETECTORS TO MECHANICAL CONTROL CIRCUIT PER DETAIL 2/8.10, AND FIRE ALARM SYSTEM (IF PRESENT).
- 2 SPECIFIED UNIT SHALL BE SUPPLIED WITH THROUGH THE BASE ELECTRICAL CONNECTIONS AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURE AND ACCESS THROUGH SWINGING DOOR.
- 3 POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT.
- 4 30A/2P/3R DISCONNECT SWITCH.
- 5 PROVIDE 30A/2P/3R DISCONNECT AND 3/4" C WITH REQUIRED CONDUCTORS TO JUNCTION BOX IN CEILING ABOVE ICE MACHINE. MAKE FINAL CONNECTION TO ICE MACHINE AND ASSOCIATED CONDENSING UNIT. REFER TO POWER PLAN 8.4 FOR CIRCUITING CONTINUATION TO ICE MAKER.
- 6 REFER TO POWER PLAN 8.4 FOR CIRCUITING CONTINUATION TO COOLER/FREEZER WALK-IN BOX.
- 7 RAIN SENSOR.
- 8 UNIT SHALL BE PROVIDED WITH BUILT-IN DISCONNECT, SINGLE POINT WIRING AND CONVENIENCE OUTLET. PROVIDE SECONDARY 60A/3P/NF/NL DISCONNECT SWITCH FOR RTU IN OFFICE. RE: SHT 8.7 FOR ADDITIONAL REQUIREMENTS.
- 9 OUTSIDE AIR TEMPERATURE SENSOR BY ENERGY MANAGEMENT SYSTEM (EMS) SUPPLIER; MOUNT ON NORTH SIDE OF RTU-2. CONNECT TO RTU EQUIPMENT CONTROL PACK.
- 10 VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER. PROVIDE ALL APPURTENANCES FOR A COMPLETE AND FUNCTIONAL SYSTEM.

NOT USED **F**

NOT USED **E**

POWER ROOF PLAN NOTES **D**

KEY NOTES **B**

REVISIONS:

POWER FLOOR PLAN

KFC Dugas

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22057

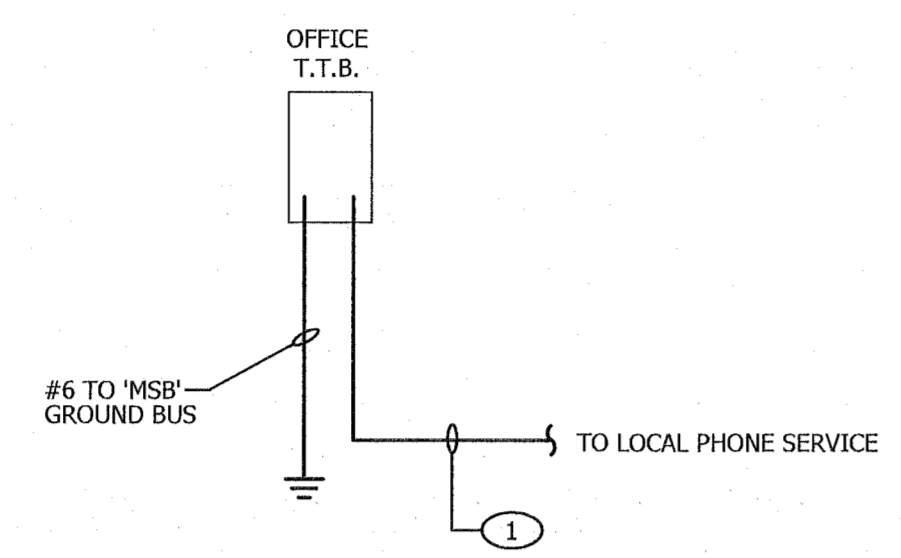
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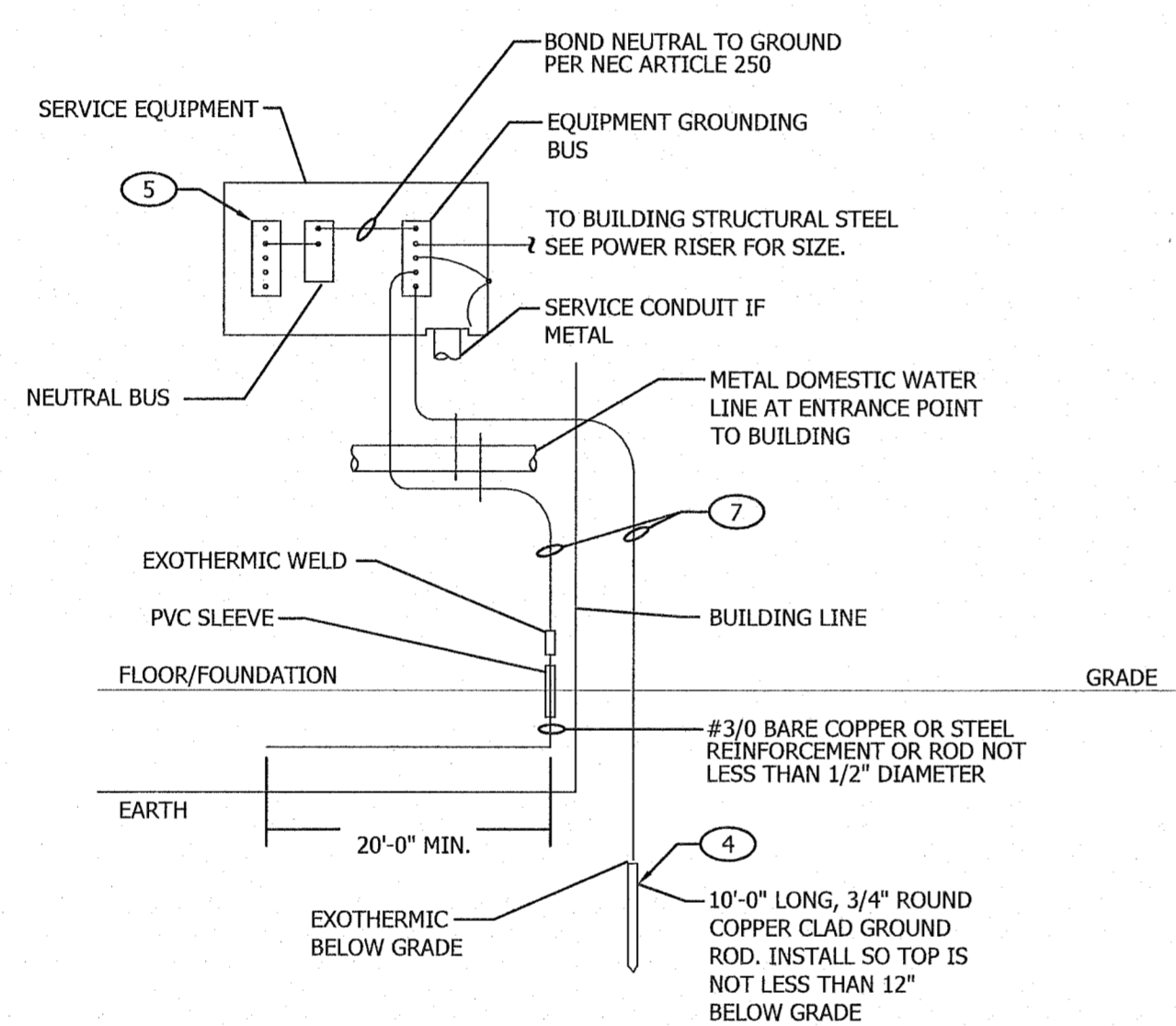
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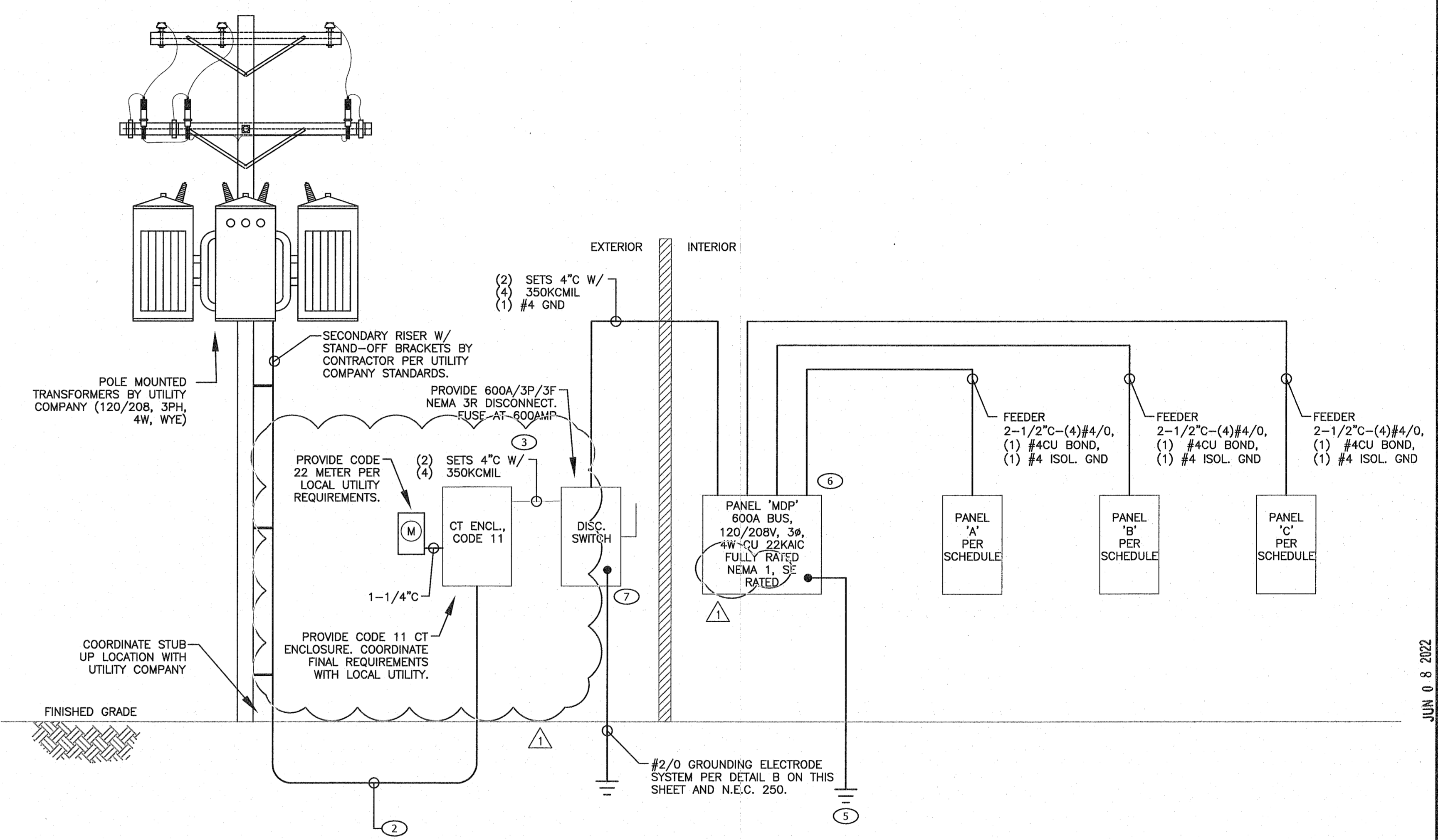
DATE: 05.19.22
 JOB NO: 44343
 DRAWN BY: MRL
 SHEET NUMBER: **8.5**



TELEPHONE BOARD GROUNDING DETAIL E



SERVICE GROUNDING DETAIL B



ONE-LINE DIAGRAM A

	2x4 TROFFER		SPEAKER - CEILING		HOLD UP EMERGENCY BUTTON
	2x4 TROFFER WITH BATTERY PACK		SPEAKER - WALL		MOTOR
	2x2 TROFFER		JUNCTION BOX - WALL OR CEILING		COMBINATION STARTER/DISCONNECT SIZED AS NOTED, NEMA 1 UNLESS NOTED OTHERWISE
	2x2 TROFFER WITH BATTERY PACK		DUPLEX RECEPTACLE - WALL		DISCONNECT SWITCH - FUSED SIZED AS NOTED, NEMA 1 UNLESS NOTED OTHERWISE
	DOWNLIGHT FIXTURE		QUADRUPLEX RECEPTACLE - WALL		DISCONNECT SWITCH - NON-FUSED SIZED AS NOTED, NEMA 1 UNLESS NOTED OTHERWISE
	DOWNLIGHT FIXTURE WITH BATTERY PACK		GFCI DUPLEX RECEPTACLE - WALL		MOTOR RATED SWITCH
	SUSPENDED DOWNLIGHT FIXTURE		GFCI QUADRUPLEX RECEPTACLE - WALL		120V, 1P EQUIPMENT CONNECTION
	SURFACE OR RECESSED TRACK		IG DUPLEX RECEPTACLE - WALL		208V, 1P EQUIPMENT CONNECTION
	EXIT SIGN (UNIVERSAL MOUNTING)		IG DUPLEX RECEPTACLE - WALL		208V, 3P EQUIPMENT CONNECTION
	EMERGENCY BATTERY PACK		SPECIAL PURPOSE RECEPTACLE - WALL		
			DUPLEX RECEPTACLE - CEILING		
			GFCI DUPLEX RECEPTACLE - CEILING		
			IG DUPLEX RECEPTACLE - CEILING		
			IG QUADRUPLEX RECEPTACLE - CEILING		
			SPECIAL PURPOSE RECEPTACLE - CEILING		
			ELECTRICAL PANEL - SURFACE		
			WP = WEATHERPROOF ENCLOSURE		
			U = COMBINATION DUPLEX W/ USB		
			C = CEILING MOUNT		

NOTE: NOT ALL SYMBOLS SHOWN ARE USED. REFER TO PLANS FOR REQUIREMENTS.

ELECTRICAL LEGEND G

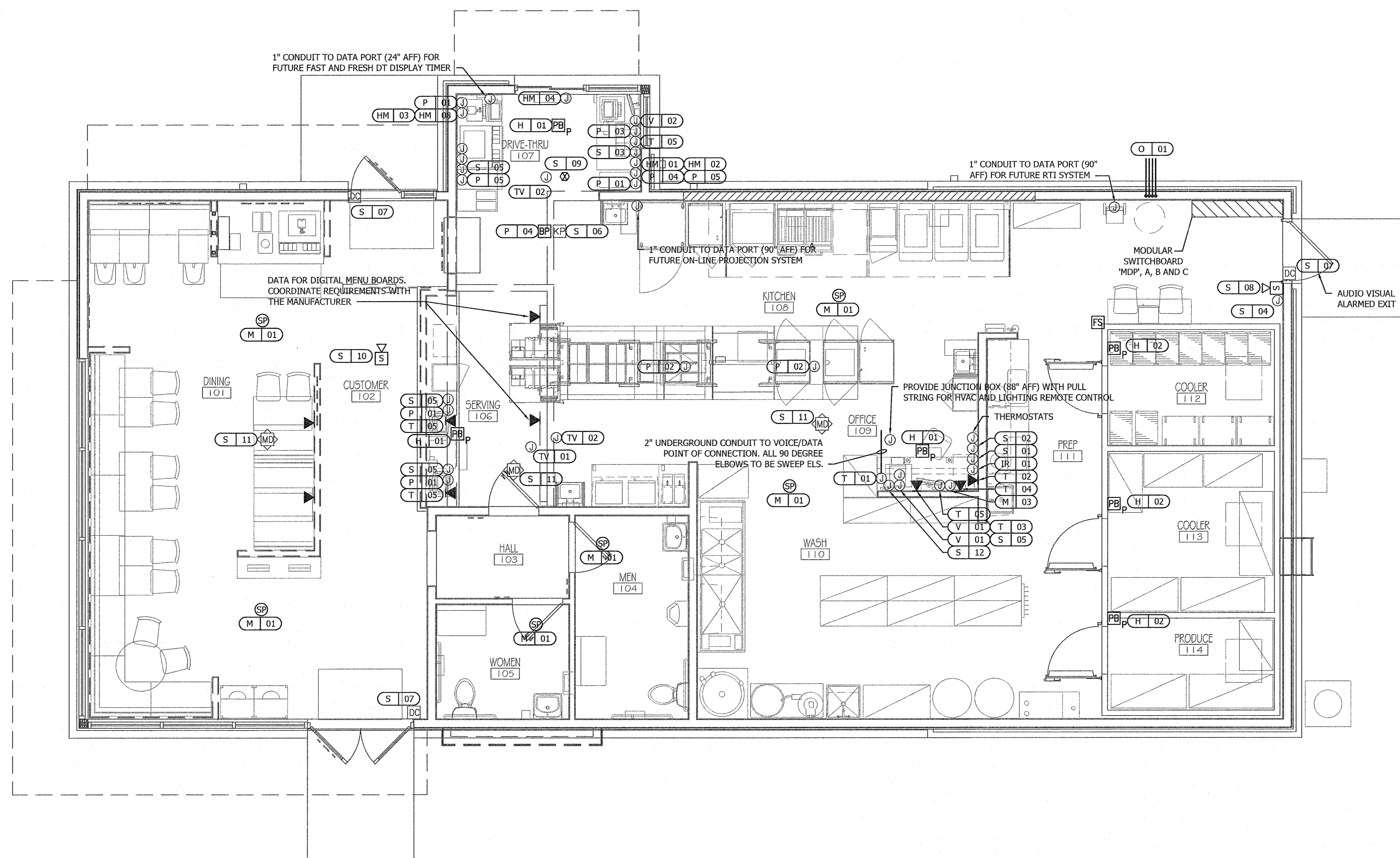
- THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CIRCUIT BREAKERS LOCATED AT THE DISTRIBUTION PANEL 'MSB' AND THE DOWNSTREAM 10K A.I.C. RATED CIRCUIT BREAKERS AT PANELS 'A' AND 'B' BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE BY THE UTILITY. THE NFPA-70 'SIX SWITCH' MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
- SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT.
- IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE ENGINEER FOR A FINAL DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
- COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR, AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
- ALL WIRING SHOWN SHALL BE COPPER TYPE "THHN/THWN", UNLESS NOTED OTHERWISE.
- INSTALLATIONS SHALL MEET THE REQUIREMENTS OF NATIONAL, STATE, AND LOCAL CODES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

GENERAL NOTES D

- PROVIDE 2" C STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE. COORDINATE TELEPHONE SERVICE REQUIREMENTS WITH LOCAL PROVIDER.
- INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER LOCAL UTILITY COMPANY REQUIREMENTS. ROUTE (2) 4-350KCMIL IN 3" C TO UTILITY TRANSFORMER. COORDINATE ELECTRICAL SERVICE REQUIREMENTS WITH LOCAL UTILITY. REFER TO ELECTRICAL SITE PLAN SHEET MEP-2.2.2 FOR ADDITIONAL REQUIREMENTS.
- VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH LOCAL UTILITY COMPANY.
- PROVIDE (3) 3/4" X 10' COPPER GROUND RODS INSTALLED 12' APART AND CONNECT GROUND SYSTEM PER NEC ARTICLE 250.
- PROVIDE PANEL MSB WITH AN ISOLATED GROUND BUS. BOND ISOLATED GROUND BUS TO COMMON GROUND.
- PANEL MSB SHALL BE SERVICE ENTRANCE RATED.
- #2/0 GROUND IN 3/4" PVC TO GROUNDING COUNTERPOISE

KEYED NOTES C

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COMMUNICATIONS PLAN 1/4"=1'-0" **A**

- COMMUNICATIONS LEGEND** **D**
- PB** HOLD-UP BUTTON SHALL BE MOUNTED WITH THE ACTIVATION BUTTON FACING TO THE SIDE (MOUNT 2-1/2" BEHIND COUNTER EDGE)
 - DC** DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
 - SP** MUSIC SYSTEM SPEAKERS
 - VS** SECURITY STROBE
 - J** J-BOX
 - 2"** 2" x 4" J-BOX W/ DATA PORTS
 - MD** MOTION DETECTOR
 - DC** DOOR CONTACT
 - S** "SOUND ALERT" DEVICE
 - KP** KEYPAD (MTD AT 48" A.F.F.)
 - S** ALARM SIREN ABOVE CLG
 - BP** BUMP PAD
 - FS** HOOD FIRE SUPPRESSION SYSTEM PULL STATION

- COMMUNICATIONS NOTES** **E**
- A. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.) TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.
 - B. SEE SHTS. 8.4 AND 8.9 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.
 - C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.
 - D. ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETRY ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H 01	UNDER COUNTER HOLD-UP BUTTON		
H 02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	2x4 J-BOX FLUSH MOUNTED IN WALK-IN WALL BY COOLER MANUFACTURER WITH 1/2" CONDUIT TO OUTSIDE OF COOLER NEAR KITCHEN CEILING. SECURITY SYSTEM INSTALLER TO INSTALL HOLD-UP BUTTON FACING DOWN AND RUN WIRING
HM 01	D/T J-BOX	+96" U.O.N.	4X4X4" DEEP (MIN.) J-BOX BLW. CEILING W/ (1) 2-1/2" CONDUIT TO HM-02 & HM-07.
HM 02	D/T TIMER J-BOX	+66" A.F.F.	4X4X4" DEEP (MIN.) J-BOX @ D/T TIMER W/ (1) 2-1/2" CONDUIT TO HM-01 & (1) 1" CONDUIT TO HM-04.
HM 03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1" CONDUIT TO HM-08 & HM-04.
HM 04	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X8 J-BOX W/ (1) 1" CONDUIT TO HM-02, (1) 1" CONDUIT TO HM-03, (1) 1" CONDUIT TO PICK-UP WINDOW D/T LOOP, AND (3) 1" CONDUITS TO D/T MENU BOARD.
HM 07	D/T J-BOX	+108" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 2-1/2" CONDUIT TO HM-01 & (1) 1" CONDUIT TO HM-08.
HM 08	D/T J-BOX	+96" A.F.F.	2X4 J-BOX BELOW CEILING W/ (1) 1" CONDUIT TO HM-03 & (1) 1" CONDUIT TO HM-07.
IR 01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES. PLAN 3 / 8.9.
M 01	SPEAKER, CEILING MOUNTED	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN.
M 03	MUSIC SYSTEM J-BOX	+60" A.F.F.	4X4 J-BOX W/ COVER AND W/ 1/2" CONDUIT TO ABV. CEILING FOR MUSIC SYSTEM. FOR RECEIVER, AMPLIFIER & SPEAKERS SEE SCOPE OF WORK
O 01	(4) 1" DATA CONDUITS	U.G.	FROM MENU BOARDS AND SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYSTEM.
P 01	POS J-BOX	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO ABOVE CEILING
P 02	KITCHEN MONITOR J-BOX	@ CLG.	2X4 J-BOX FLUSH @ CEILING. FOR PACK LINE / FUTURE ON-LINE PROJECTION MONITOR J-BOX
P 03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4X4" DEEP (MIN.) J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CEILING.
P 04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-05.
P 05	KITCHEN MONITOR J-BOX	+90" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-04 AND (1) 3/4" CONDUIT TO ABOVE CEILING.
P 06	NOT USED		
P 07	NOT USED		

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S 01	J-BOX SECURITY SYSTEM	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02.
S 02	J-BOX SECURITY SYSTEM	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01.
S 03	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE
S 04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S 05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO ABOVE CEILING.
S 06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S 07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S 08	"SOUND ALERT" DEVICE	B.O. CEILING	CONNECT TO SECURITY SYSTEM.
S 09	SECURITY STROBE LIGHT	B.O. CEILING	CONNECT TO SECURITY SYSTEM.
S 10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM
S 11	MOTION DETECTOR	+78"	STUB 1/2" CONDUIT
S 12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR.
T 01	TELEPHONE SERVICE BOX BY LOCAL PROVIDER TWO (2) TELEPHONE LINES PROVIDED	+48" A.F.F.	LINE 1 for VOICE, FAX, SECURITY / LINE 2 for HELPDISK BACKUP. G.C. TO PROVIDE 24" x 24" x 3/4" PLYWOOD PANEL AT CEILING; AND PULL STRING IN 2" CONDUIT.
T 02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ R3-31X PHONE JACK.
T 03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DUPLEX RECEPTACLE (VOICE + DSL); ROUTE 1" CONDUIT ABOVE CEILING.
T 04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DUPLEX RECEPTACLE (INT. MODEM + EXT. MODEM); ROUTE 1" CONDUIT ABOVE CEILING.
T 05	POS CATS CABLE JACK	+24" A.F.F.	2X4 J-BOX; ROUTE 1" CONDUIT ABOVE CEILING.
TV 01	CCTV MONITOR	+102" A.F.F.	THE STANDARD CCTV SYSTEM: (2) CCTV MONITORS, (1) W/ WALL BRACKETS AND (3) MINI-DOME CAMERAS. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. BTM. OF MONITOR TO BE AT 96" A.F.F.
TV 02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD.
V 01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
V 02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.

COMMUNICATIONS ROUGH-IN SCHEDULE **B**

REVISIONS:

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DATE: 05/19/2022
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 DRAWN BY: MRL
 SHEET NUMBER: **8.8**

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:

- * AS A SAFETY PATH TO GROUND.
- * AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

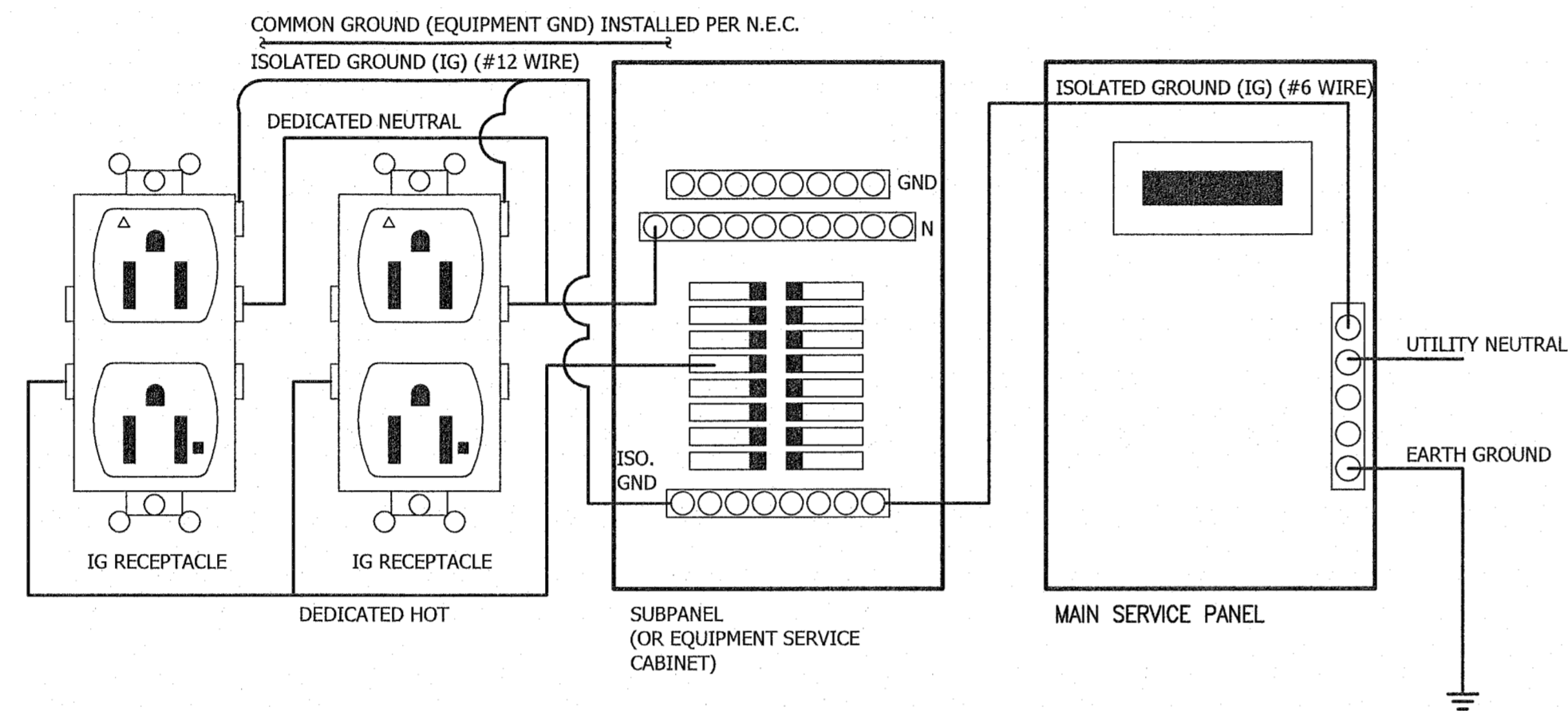
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

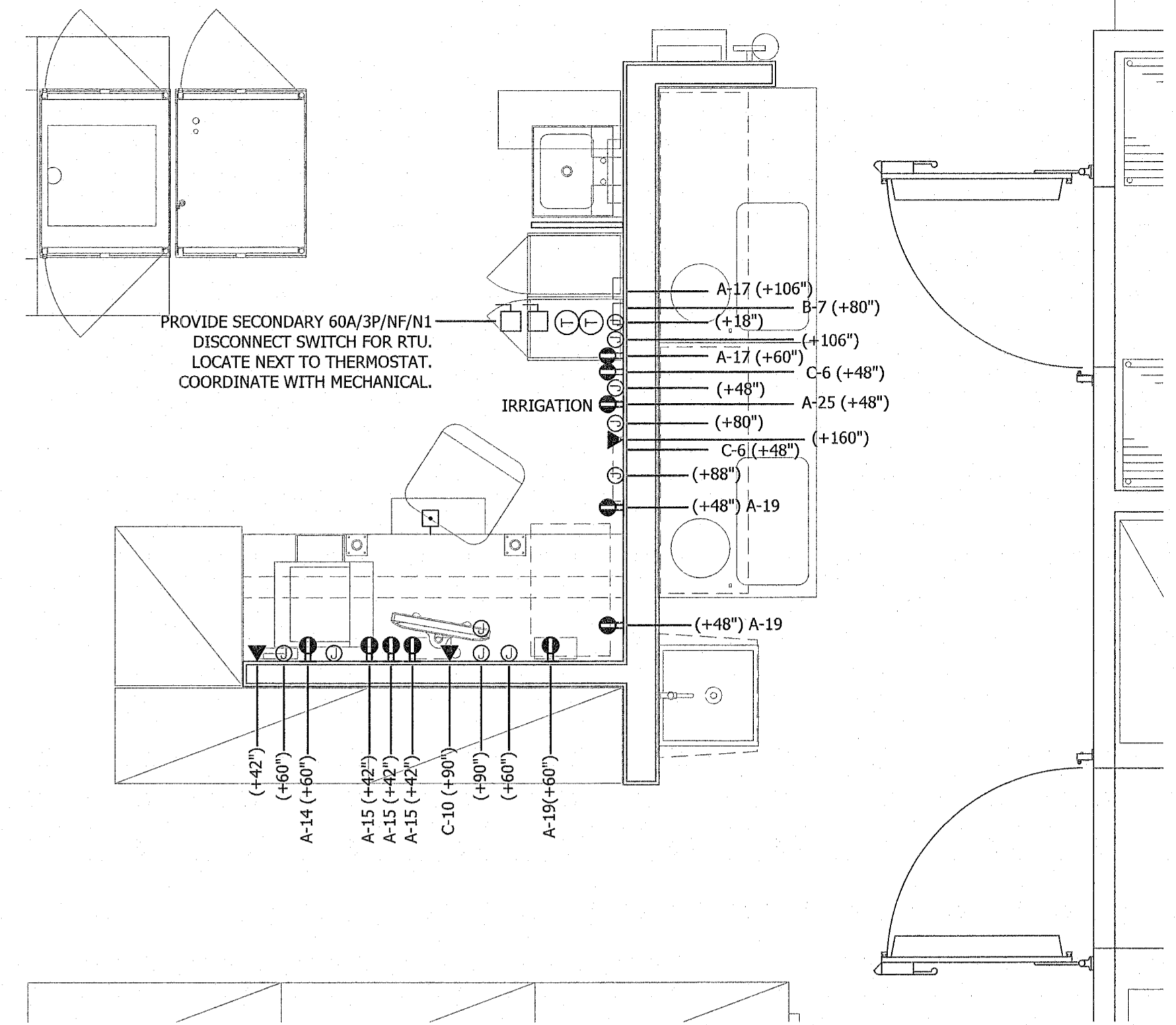
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE "PHASE ALIGNED" WITH THE "B" PHASE OF BUILDING SUBPANEL "A".



P.O.S. ISOLATED GROUND SYSTEM N.T.S. B

NOT USED N.T.S. 16



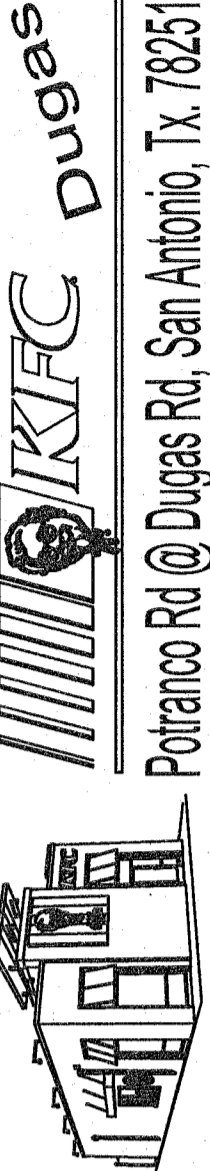
ENLARGED POWER AND COMMUNICATIONS PLAN (OFFICE) 1/2" = 1'-0" A

NOT USED N.T.S. B

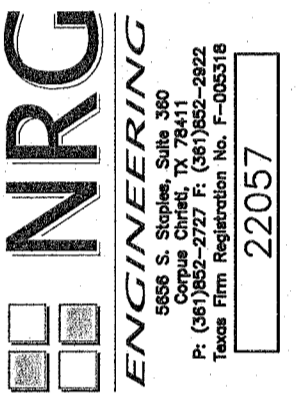
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REVISIONS:

ENLARGED POWER PLAN AND DETAILS



Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

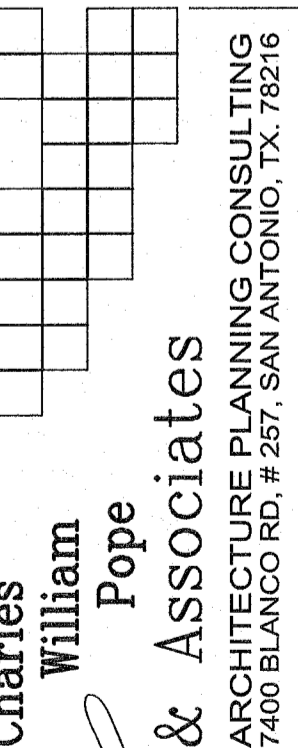


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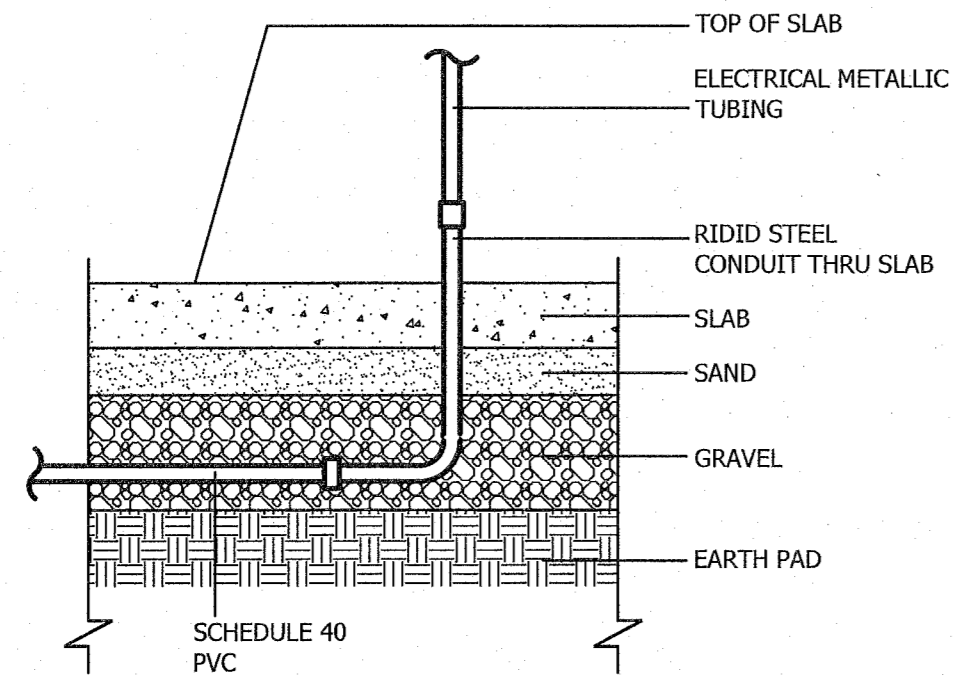


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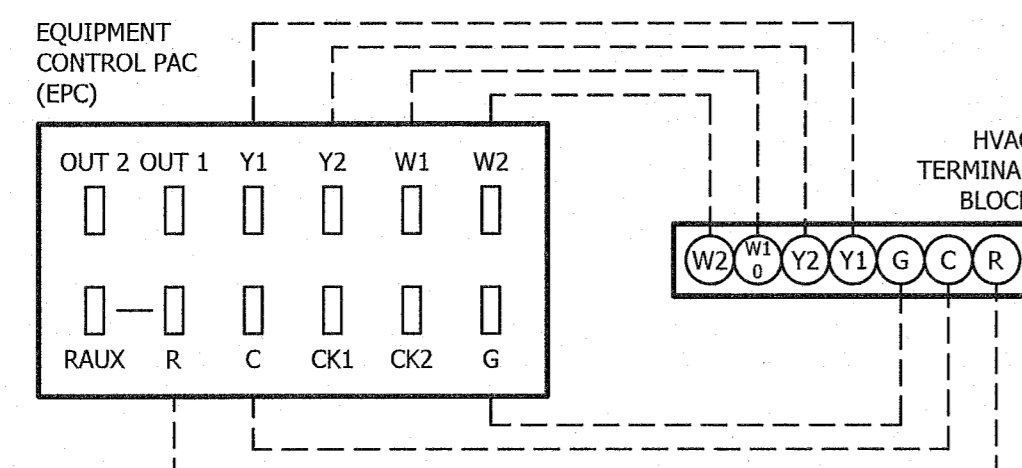
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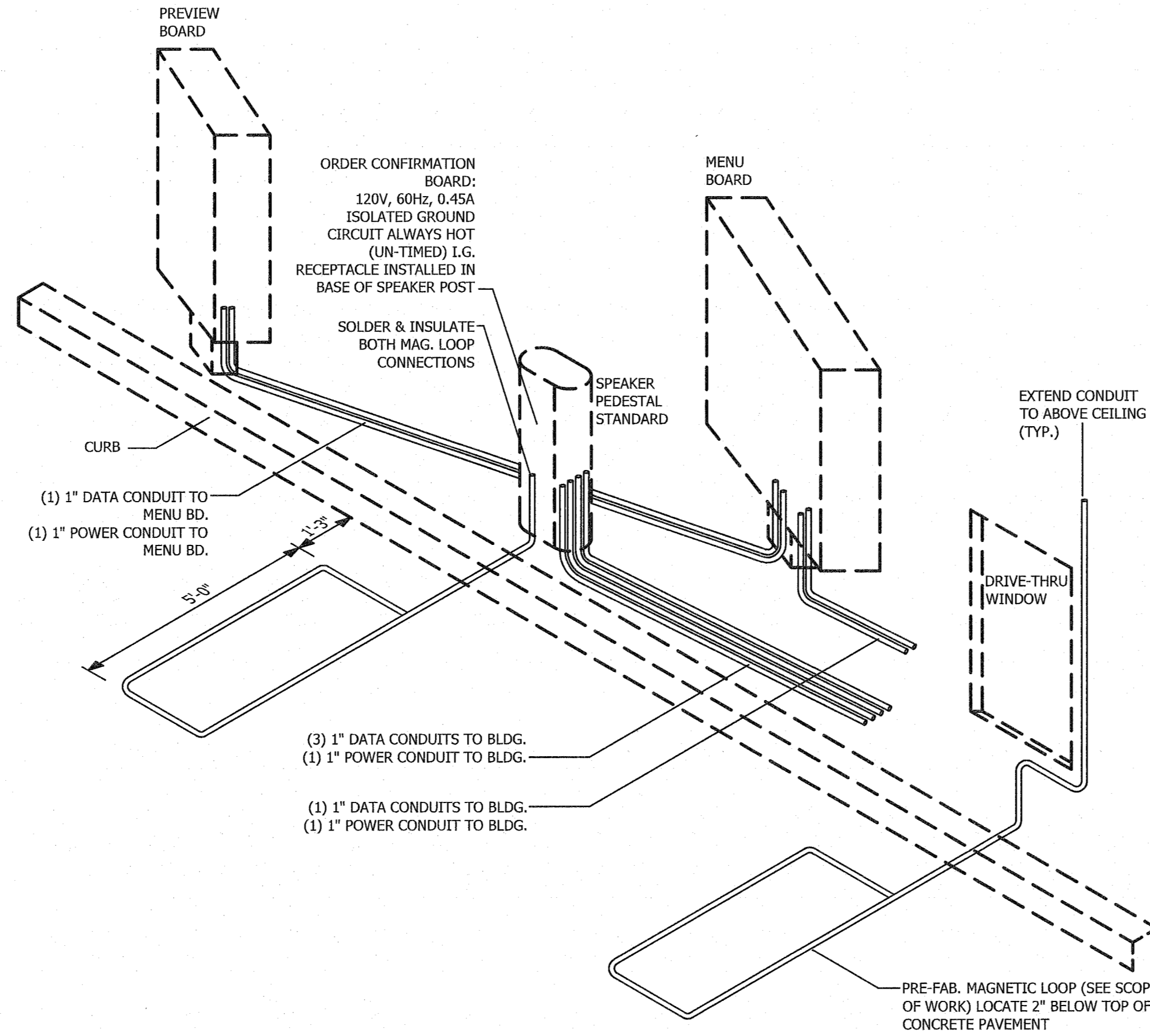
NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

UNDER SLAB CONDUIT N.T.S. **17**



WIRES FROM RTU TERMINAL MARKED	FUNCTION	INSTALL ON ECP CONNECTOR MARKED
G or F	Fan	G
Y1, Y or C	Cooling	Y1
W1, W or H	Heating	W1, O, B
Rh, R, M, Vr or A	Power	R
C	Common	C
O/B	Rev. Valve	W1, O, B
W2	2nd Stage Heat	W2
Y2	2nd Stage Cool	Y2

RTU INNER CONNECTION N.T.S. **18**



DRIVE THRU COMMUNICATIONS ISOMETRIC N.T.S. **14**

THIS INTERLOCK SYSTEM IS INTENDED TO MAKE AVAILABLE A FULL VOLUME OF REPLACEMENT AIR TO THE BUILDING WHEN ALL EXHAUST FANS ARE ACTIVATED BY THE "OCCUPIED" RELAY.

SEQUENCE OF OPERATION:

OCCUPIED MODE:
"OCCUPIED" SWITCH IN MANAGER'S OFFICE IS SWITCH TO "OCCUPIED" STATE, KITCHEN EXHAUST FAN STARTERS SHALL ENERGIZE STARTING BOTH EXHAUST FANS. KITCHEN EQUIPMENT LOCATED UNDER THE HOODS SHALL BE ENERGIZED VIA CONTACTORS C-4.1 AND C-4.2 VIA CONTACTOR C-3.1. AN AUXILIARY CONTACT IN EACH EXHAUST FAN MOTOR STARTER SHALL CLOSE, TURNING ON HOOD WORK LIGHTS, INDICATING THAT THE EXHAUST FAN STARTER HAS BEEN ACTIVATED.

SPACE THERMOSTAT SENSORS SHALL CYCLE ROOF TOP UNITS TO MAINTAIN "OCCUPIED" SPACE TEMPERATURES.

UN-OCCUPIED:
WHEN "OCCUPIED" SWITCH IN MANAGER'S OFFICE IS TURNED TO THE "UN-OCCUPIED" MODE, CONTACTOR C-3.1 SHALL DE-ENERGIZE, CAUSING THE KITCHEN EQUIPMENT UNDER THE HOODS TO DE-ENERGIZE VIA CONTACTORS C-4.1 AND C-4.2 AND EXHAUST FANS SHALL CEASE OPERATION. ALSO, HOOD LIGHTS SHALL BE TURNED OFF.

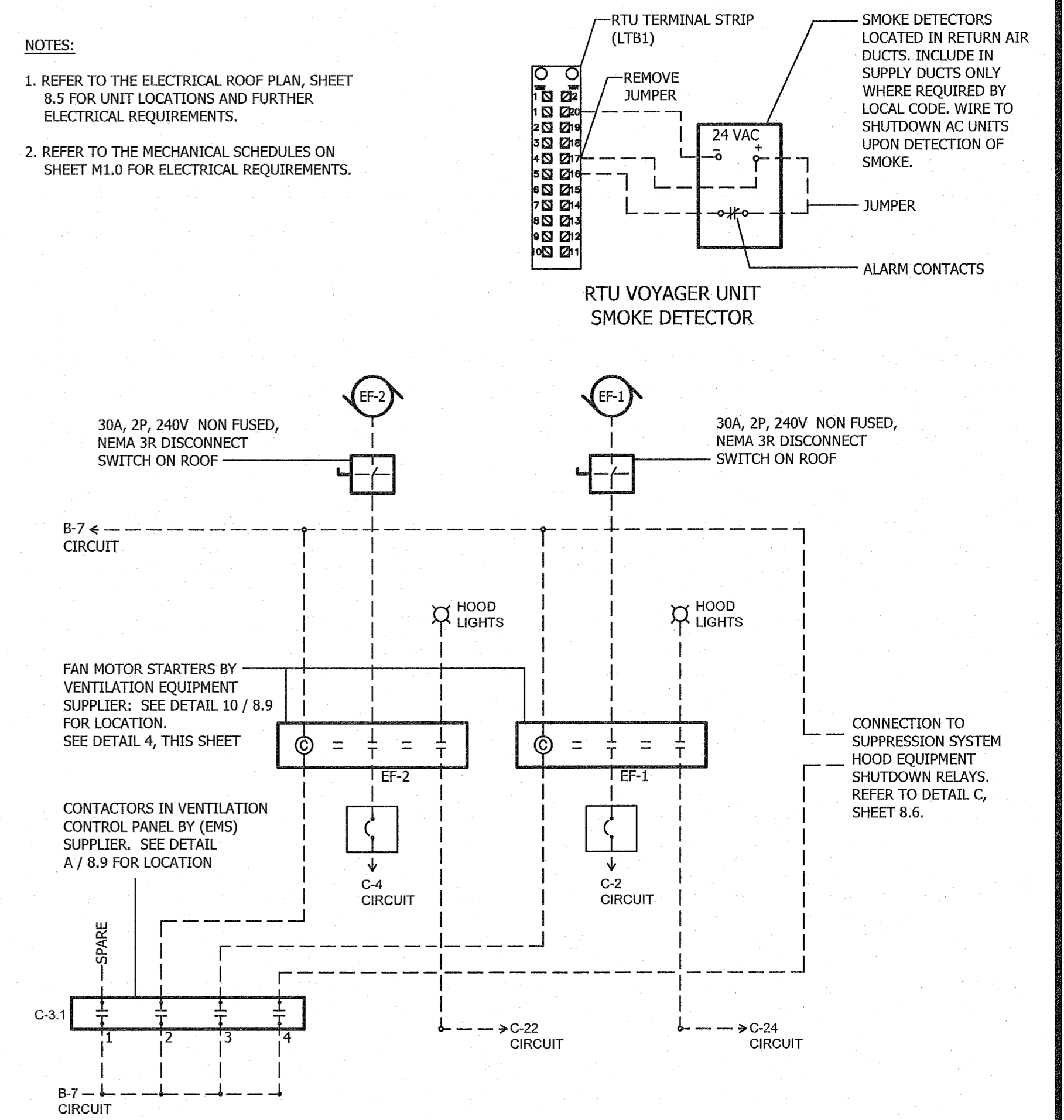
SPACE THERMOSTATS SHALL CYCLE ROOFTOP FANS AND HEATING OR COOLING TO MAINTAIN "UN-OCCUPIED" SPACE TEMPERATURES.

EMERGENCY OPERATION:
ASHRAE STANDARD 154 (7.1.1)
NFPA 96 (13.3)
IMC 2009-A

UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE AN INTERRUPTION OF POWER TO CONTACTORS C-4.1 AND C-4.2 CAUSING CONTACTS IN C-4.1 AND C-4.2 TO OPEN UP AND THUS REMOVING POWER FROM ALL DEVICES LOCATED UNDER THE HOODS. EXHAUST FANS SHALL NOT BE EFFECTED BY THIS OPERATION AND SHALL CONTINUE TO BE CONTROLLED BY THE "OCCUPIED" OR "UN-OCCUPIED" CONDITIONS.

NOTES:

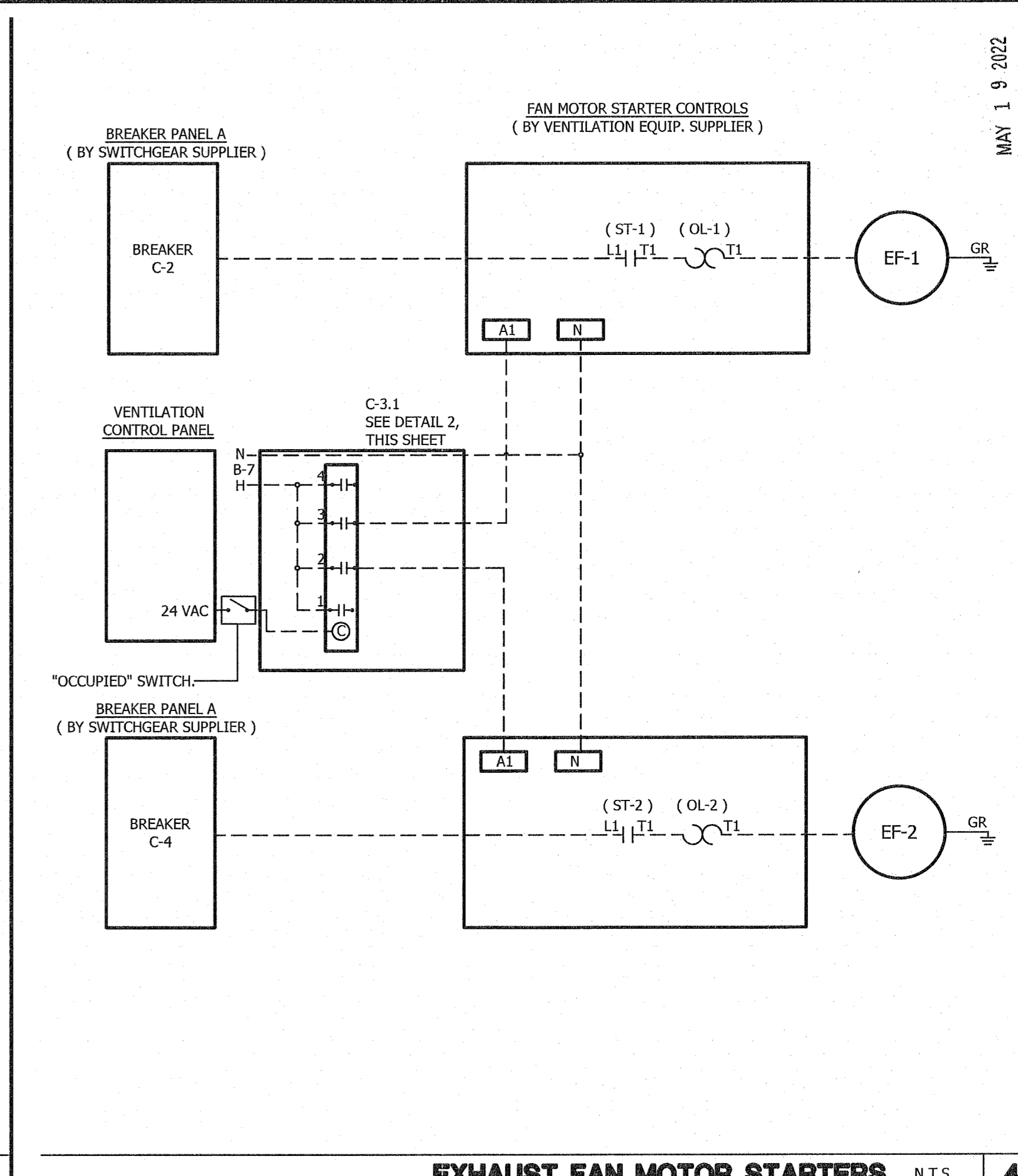
- REFER TO THE ELECTRICAL ROOF PLAN, SHEET 8.5 FOR UNIT LOCATIONS AND FURTHER ELECTRICAL REQUIREMENTS.
- REFER TO THE MECHANICAL SCHEDULES ON SHEET M1.0 FOR ELECTRICAL REQUIREMENTS.



HOOD SHUT-DOWN DETAIL N.T.S. **2**

ELECTRICIAN NOTES :
All Hood/Fan/DCV/UDS/PCU electrical connections and interconnections to be provided and installed by Electrician. Electrician to provide, install, and land wiring between hood lights, hood temp sensors, remote Ansul system microswitches, and any other component requiring an electrical connection to the Captive-Aire electrical packages. Failure by the Electrician to make ALL required electrical connections and interconnections will result in the electrical controls not working properly. Any loss or failed test as a result of electrical controls not working properly is the responsibility of the Electrician. Light bulbs for kitchen hoods to be provided and installed by electrician. REFER TO 7.10 FOR ADDITIONAL REQUIREMENTS.

NOT USED N.T.S. **8**



EXHAUST FAN MOTOR STARTERS N.T.S. **4**

REVISIONS:

ELECTRICAL LINE DIAGRAMS DETAILS
KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

NRG ENGINEERING
P. O. Box 1000, San Antonio, TX 78203
Texas Electrician Registration No. 22057

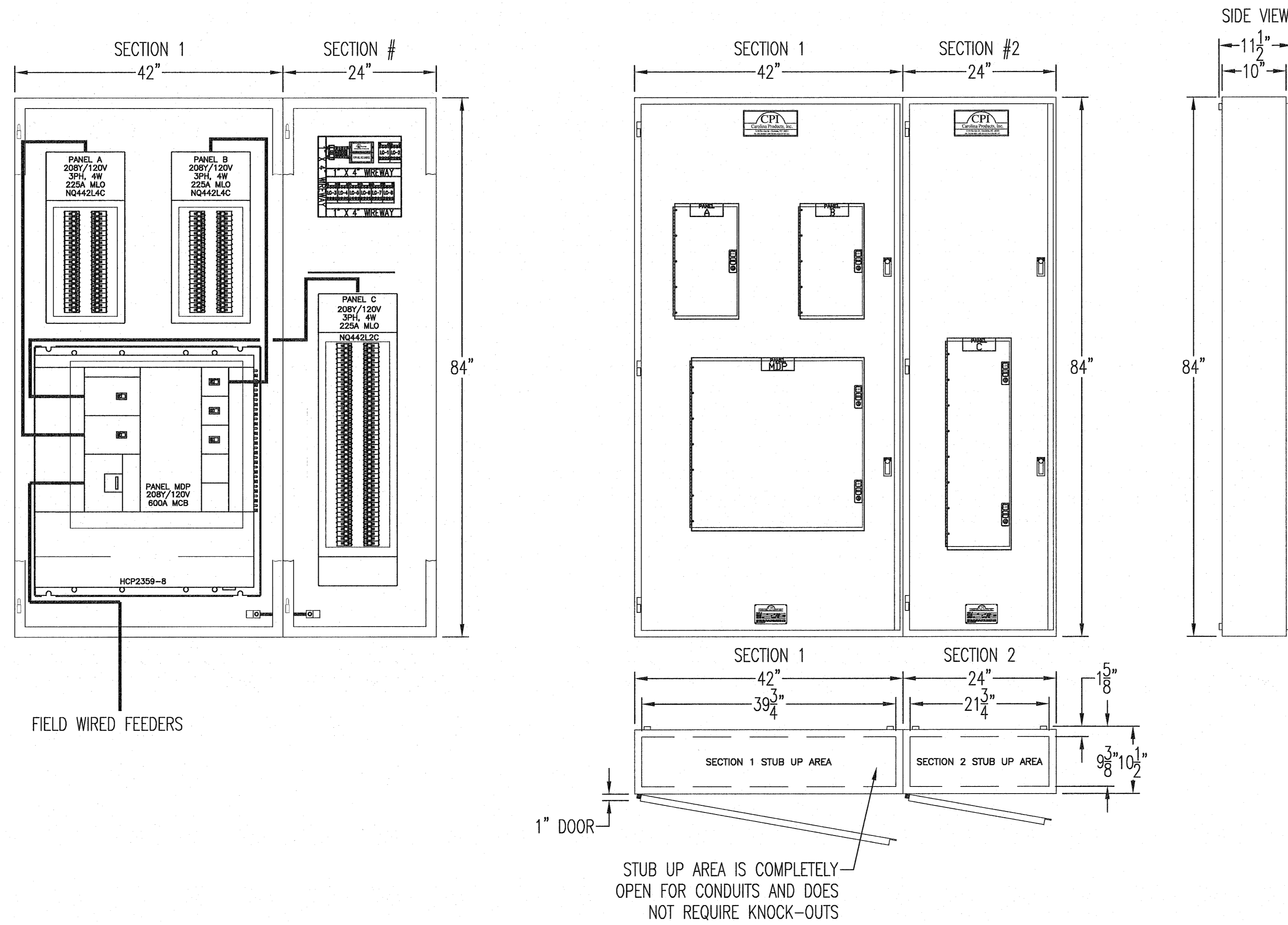
5/19/2022
JOHN A. RODRIGUEZ III
REGISTERED ELECTRICAL ENGINEER
NO. 90273

Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.19.22
JOB NO: 44343
DRAWN BY: MRL
SHEET NUMBER:

8.10
OF

May 19, 2022 - 10:01 am
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FIELD WIRED FEEDERS

WIRE LEGEND	
FACTORY WIRING:	_____
FIELD WIRING:	_____

CPI ELECTRICAL DETAIL A

NOT USED	D
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NOT USED	C
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NOT USED	B
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REVISIONS:

ELECTRICAL PANEL DETAILS

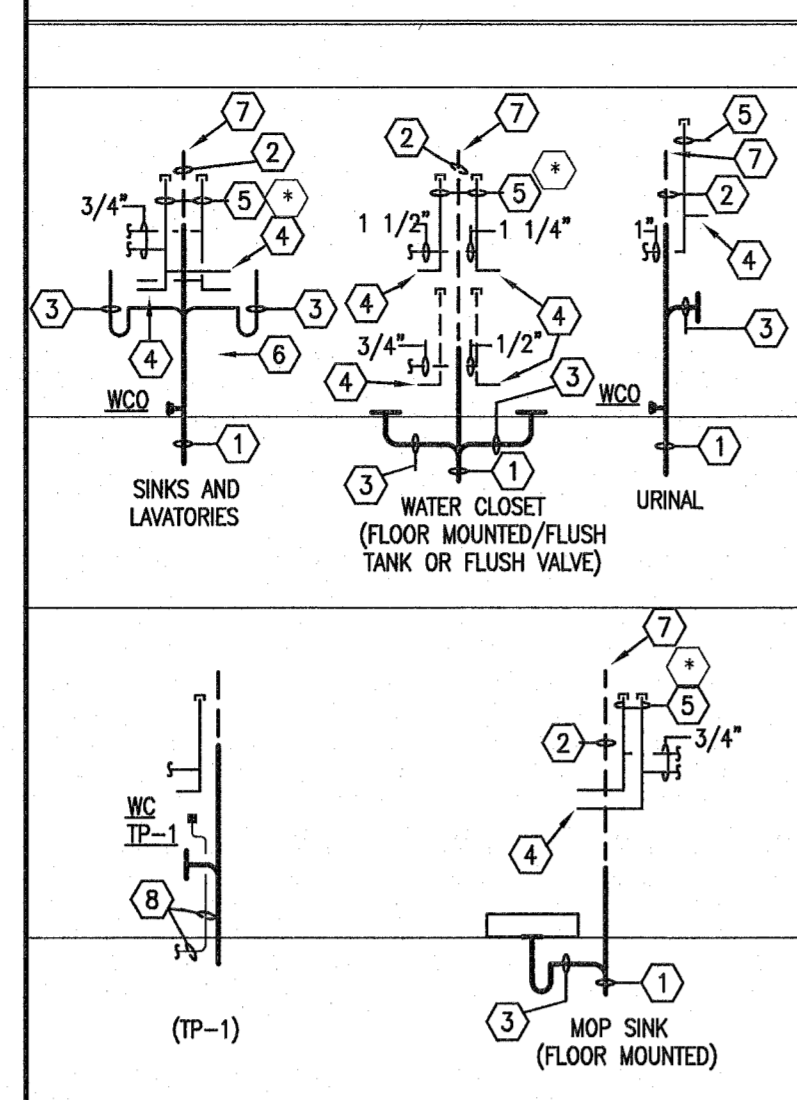
KFC Dugas
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519/7022
3027'S
MAY 19 2022

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DATE: 05.19.22
JOB NO: 44343
DRAWN BY: MRL
SHEET NUMBER: **8.11**

PLUMBING RISER DETAILS



- KEYED NOTES - RISER DIAGRAM DETAILS:**
- REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE FOR THIS FIXTURE.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
 - SHOCK ARRESTOR INLET; REFER TO SHOCK ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR BATTERY LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
 - WALL CLEANOUTS SHALL BE PROVIDED AT END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
 - SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT A MINIMUM 42" ABOVE FIN. FLOOR.
 - TRAP REFILL LINE; SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.

PLUMBING PIPE MATERIALS SCHEDULE	
PIPING SYSTEM	PIPING MATERIAL
SANITARY SEWER BELOW GRADE	SCHEDULE 40 DWV PVC
SANITARY DRAIN AND VENTS ABOVE GRADE	SCHEDULE 40 DWV PVC*
GREASE WASTE BELOW GRADE	SCHEDULE 40 DWV PVC
GREASE WASTE AND VENTS ABOVE GRADE	SCHEDULE 40 DWV PVC*
DOMESTIC HOT & COLD WATER BELOW GRADE	COPPER, TYPE "K" SOFT
DOMESTIC HOT & COLD WATER ABOVE GRADE	COPPER, TYPE "L" HARD DRAWN
NATURAL GAS	SCHEDULE 40 BLACK STEEL
HOT WATER PIPE INSULATION	1" RIGID FIBER GLASS
RO FILTERED WATER	(PP) POLYPROPYLENE/SCH 80 CPVC

*SCHEDULE 40 DWV PVC SHALL NOT BE USED IN RETURN AIR PLENUMS. WHERE CEILING PLENUMS ARE USED FOR RETURN AIR, CONTRACTOR SHALL ONLY USE BELL AND SPIGOT SERVICE WEIGHT CAST IRON PIPE.

- GENERAL NOTES:**
- CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH THE PROPOSED ELEVATIONS AND FINISHED SURFACES.
 - MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN WORK.
 - FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES, PROVIDE UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
 - CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
 - ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE TYPE "L" TUBING, CHROME PLATED. PROVIDE 1/2" FIP X 3/8" OD COMPRESSION FITTINGS FOR ALL SINKS, LAVATORIES, AND SIMILAR FIXTURES.
 - ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE CHROME PLATED, ADJUSTABLE, CAST BRASS WITH CLEANOUT PLUG. PROVIDE C.P. CAST BRASS SLIP NUTS AND WASHERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES. PROVIDE 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES, MCQUIRE OR EQUAL.
 - ALL ROUGH-IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO PIPE AND FLUSH TO WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
 - ALL EXPOSED BRASS SHALL BE CHROME PLATED.
 - ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE OF APPROVED TYPES AND WITH REQUIRED CONTROLS INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY STANDARDS (TAS). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
 - INSULATE ALL EXPOSED WATER AND DRAIN LINES ON ADA/TAS ACCESSIBLE LAVATORIES AND SINKS WITH MCQUIRE PRO WRAP OR EQUIVALENT. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
 - ALL ADA/TAS SINKS SHALL BE STAMPED WITH DRAIN OUTLET AT THE REAR OF THE BOWL.
 - PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH SENATE BILL 587 FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 0.5 GPM AND 2.2 GPM FLOW CONTROL RESPECTIVELY.
 - ORIENT ADA/TAS WATER CLOSET FLUSH VALVE WITH OPERATOR ON LARGE SIDE OF ENCLOSURE AND BELOW GRAB BARS.
 - SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
 - FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE UNIFORMLY SLOPED ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.
 - EQUIVALENT MANUFACTURES OF CHINA FIXTURES ARE KOHLER, AND AMERICAN STANDARD. EQUIVALENT MANUFACTURES OF STAINLESS FIXTURES ARE JUST, ELKAY, AND ADVANCE TABCO.
 - WATER HEATER SHALL BE PROVIDED WITH CODE APPROVED VACUUM BREAKER AND BRASS ASME TEMPERATURE AND PRESSURE RELIEF VALVE. ROUTE TPR DRAIN LINE FULL SIZED TO EXTERIOR OF BUILDING AND TERMINATE 6" ABOVE FINISHED GRADE, OR AS INDICATED ON PLANS.
 - ROOF PENETRATIONS SHALL BE DONE IN STRICT COMPLIANCE WITH THE ARCHITECTS SPECIFICATIONS AND SHALL BE LEAK PROOF.
 - FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATION OF STUB OUTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY WHICH MAY AFFECT THE INTENDED DESIGN.
 - ALL PLUMBING WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL STATE AND LOCAL CODES.
 - THE PLUMBING CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE.
 - ALL WATER HEATER SUPPLY CONNECTIONS SHALL HAVE HEAT TRAP NIPPLE CONNECTIONS. HEAT TRAP NIPPLES NOT REQUIRED IF HOT WATER RECIRCULATION SYSTEM IS PROVIDED.

PLUMBING SYSTEM SECTION 15400

THE WORK INCLUDES PROVIDING NEW MATERIALS, FITTINGS, AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. THE WORK ALSO INCLUDES ROUGH-IN AND FINAL CONNECTIONS TO FOOD SERVICE EQUIPMENT PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT TO INSPECTION.

CONNECTION CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION.

THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS. COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS ON THE PROJECT SITE.

SUBMITTALS
COORDINATE WITH DIVISION 1 FOR SUBMITTAL TIMETABLE REQUIREMENTS, UNLESS NOTED OTHERWISE WITHIN THIRTY (30) DAYS AFTER THE CONTRACT IS AWARDED THE CONTRACTOR SHALL SUBMIT A MINIMUM OF ONE ELECTRONIC COPY IN A PORTABLE DIGITAL FORMAT (PDF) COMPLETE WITH TABLE OF CONTENTS AND BOUND SETS OF SHOP DRAWINGS AND COMPLETE DATA COVERING EACH ITEM OF EQUIPMENT OR MATERIAL. THE FIRST SUBMITTAL OF EACH ITEM REQUIRING A SUBMITTAL MUST BE RECEIVED BY THE ARCHITECT OR ENGINEER WITHIN THE ABOVE THIRTY DAY PERIOD. THE ARCHITECT OR ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY DELAYS OR COSTS INCURRED DUE TO EXCESSIVE SHOP DRAWING REVIEW TIME FOR SUBMITTALS RECEIVED AFTER THE THIRTY (30) DAY TIME LIMIT. THE ARCHITECT AND ENGINEER WILL RETAIN A COPY OF ALL SHOP DRAWINGS FOR THEIR FILES. WHERE FULL SIZE DRAWINGS ARE INVOLVED, SUBMIT ONE (1) PRINT IN LIEU OF ELECTRONIC COPIES. ALL LITERATURE PERTAINING TO AN ITEM SUBJECT TO SHOP DRAWING SUBMITTAL SHALL BE SUBMITTED AT ONE TIME. A SUBMITTAL SHALL NOT CONTAIN INFORMATION FROM MORE THAN ONE SPECIFICATION SECTION, BUT MAY HAVE A SECTION SUBDIVIDED INTO ITEMS OR EQUIPMENT AS LISTED IN EACH SECTION. THE CONTRACTOR MAY ELECT TO SUBMIT EACH ITEM OR TYPE OF EQUIPMENT SEPARATELY.

PIPING SYSTEMS - GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT GALVANIC CORROSION.

PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

SEWER/WASTE PIPING: SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE HUBLESS CAST IRON. PVC PIPE WHERE ACCEPTED BY CODE, FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH SOVENT WELD JOINTS AND FITTINGS. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT FOR SIZES 3" AND SMALLER AND 1/8" PER FOOT FOR PIPE SIZES 4" AND LARGER.

VENTS: PROVIDE A COMPLETE SYSTEM OF STANDARD WEIGHT CAST IRON. DO NOT USE DWV PLASTIC IN RETURN AIR PLENUM SPACES. THE VENT SYSTEM SHALL BE CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.

CONDENSATE AND INDIRECT DRAIN PIPING: TYPE M COPPER TUBING UP TO 1" ID, TYPE DWV TUBING AND FITTINGS FOR 1-1/4" AND LARGER SIZES.

CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW.

WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. HOT AND COLD WATER PIPING SHALL BE 1/2" MIN. TYPE L COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS. PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE STOP. INSTALL CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS). USE TIN-ANTIMONY SOLDER, 95/5 FOR ALL SWEAT FITTINGS OF COPPER PIPING.

PIPE INSULATION: INSULATE ALL HOT AND COLD WATER PIPING. PROVIDE 1" PRE-FORMED FIBERGLASS, ASJ-VB, FLAME SPREAD 25, SMOKE DEVELOPED 50, ASTM C-547, OR PROVIDE WHERE PERMITTED BY LOCAL CODES, 1" SELF-ADHESIVE CLOSED CELL FOAM PIPE INSULATION WITH PRE-FORMED PVC FITTING COVERS - EQUAL TO SELF-ADHESIVE ARMACELL'S AP ARMAFLEX WITH K FACTOR OF 0.27 AT 75 DEGREES MEAN TEMPERATURE. INSULATE ANY EXPOSED CONDENSATE PIPING WITH WASTE TEMPERATURES BELOW 60 DEGREES F.

PROVIDE HEAT TRAPS AT HOT AND COLD WATER CONNECTIONS TO WATER HEATER. SHUTOFF VALVES, WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, FOOD SERVICE EQUIPMENT ITEM OR OTHER EQUIPMENT ITEM, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO NIBCO NO. T-585-70-66 BALL VALVE, BRONZE BODY, S.S. BALL AND STEM, TEFLON SEATS AND PACKING, 600 LB. W.O.G., THREADED UNION END.

ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

SUPPLIES AND TRAPS: PROVIDE WATER SEALED TRAPS AND/OR SUPPLIES INSTALLED AS CLOSE AS POSSIBLE TO ALL PLUMBING FIXTURES, DRAINS, AND FOOD SERVICE EQUIPMENT OR BEVERAGE DISPENSING EQUIPMENT ITEMS FURNISHED BY OTHERS, HAVING A WASTE CONNECTION, OR REQUIRING WATER SERVICE. EXPOSED TRAPS AND SUPPLIES IN EXPOSED AREAS (INCLUDING CABINET INTERIORS) SHALL BE CHROMIUM PLATED BRASS, WITH CHROME PLATED BRASS NUTS AND CHROME PLATED BRASS ESCUTCHEON PLATES. PROVIDE HUBLESS CAST IRON WASTE PIPING AND FITTINGS FOR THE TWO, THREE AND FOUR COMPARTMENT SINKS. REMOVE MARKINGS FROM ALL PIPING WHEN INSTALLATION IS COMPLETE.

INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS.

REPAIR EXISTING PLUMBING SYSTEM COMPONENTS DAMAGED BY CONSTRUCTION OPERATIONS AND RESTORE TO ORIGINAL CONDITIONS.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

SHOP DRAWINGS: CONTRACTORS TO PROVIDE SIX SETS OF SHOP DRAWING SUBMITTALS FOR REVIEW AND APPROVAL TO ARCHITECT, OWNER, ARCHITECT, AND ENGINEER (WHEN APPLICABLE) TO RETAIN ONE SET FOR THEIR OWN RECORDS.

GENERAL ROOF PLAN NOTES:

- CONTRACTOR SHALL CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING DRAWINGS AND PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE FULL SET OF DOCUMENTS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES ABOVE THE CEILING TO PROVIDE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF AND FUTURE CHANGES IN MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.
- ALL DEVICES INSTALLED ON ROOF TOP EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. THIS LOCATION SHALL BE COORDINATED WITH THE MECHANICAL OR PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- ROOF DECK PENETRATIONS: CONTRACTOR SHALL SECURE LANDLORD APPROVAL FOR ALL BUILDING ROOF DECK PENETRATIONS. REQUESTS SHALL BE ON A SCALED ROOF PLAN SHOWING EXACT LOCATION & SIZE OF PENETRATION & INCLUDE DETAILS OF MOUNTING, FLASHING & SEALING. CONTRACT WITH THE LANDLORD'S ROOFING CONTRACTOR TO PERFORM ALL WORK AT THIS CONTRACTOR'S SOLE EXPENSE. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, REMOVE OF EXISTING ROOFTOP EQUIPMENT & INSTALLATION OF ALL ROOFTOP EQUIPMENT WITH THE LANDLORD.

PLUMBING NARRATIVE:

ELECTRIC WATER HEATERS LESS THAN 12 KW SHALL HAVE A PERFORMANCE RATING OF 0.97.

THE HOT WATER HEATING SYSTEM SHALL BE BY AN ELECTRIC WATER HEATER WITH A RECIRCULATION LINE AND PUMP. THE RE-CIRC PUMP SHALL BE CONTROLLED BY AN AQUASTAT AND TIME CLOCK. THE TIME CLOCK SHALL ENABLE THE PUMP TO OPERATE FROM 6AM TO 8PM (ADJ.) AND SHUT OFF THE PUMP FROM 8PM TO 6AM (ADJ.).

AND/OR

THE HOT WATER HEATING SYSTEM SHALL BE BY WATER HEATER WITH A MAXIMUM OF 6"-0" OF 1/4" TUBING, 3"-0" OF 3/8" TUBING TO LAVATORIES AND 43"-0" OF 1/2" TUBING, 21"-0" OF 3/4" TUBING TO ALL OTHER FIXTURES.

REFER TO THE 2018 IECC SECTION C404 SERVICE WATER HEATING FOR OTHER REQUIREMENTS.

THE PLUMBING CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS SHEET FOR REQUIREMENTS AND PARTICIPATION IN THE COMMISSIONING PROCESS. FAILURE TO COMPLY OR PARTICIPATE MAY INCUR ADDITIONAL COST TO THE CONTRACTOR

GENERAL ENERGY NOTES:

INSULATION SHALL BE PROVIDED FOR PIPING AS NOTED IN THE TABLE BELOW. PIPING INSULATION SHALL BE PROVIDED FOR RETURN CIRCULATION HOT WATER SYSTEM WITH 1" OR R-4 INSULATION. THE FIRST 8' OF PIPING IN NONCIRCULATING SYSTEMS SERVED BY EQUIPMENT W/O INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 5" OR R-4 INSULATION.

WATER HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING NONCIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING AS ASSOCIATED WITH THE EQUIPMENT.

AUTOMATIC CIRCULATING HOT WATER SYSTEMS OR HEAT TRACE SHALL HAVE TIME SWITCHES THAT ARE CAPABLE OF BEING SET TO TURN OFF THE SYSTEM.

MINIMUM PIPE INSULATION (inch)	NORMINAL PIPE DIA.		MINIMUM DUCT INSULATION (R)
	< 1.5"	≥ 1.5"	
FLUID	< 1.5"	≥ 1.5"	UNCONDITIONED SPACE ≥ 5
STEAM	1-1/2	3-1/2	OUTSIDE BLDG. ENVELOPE ≥ 8
HOT WATER	1	1-1/2	EXCEPTIONS: 1. WHEN LOCATED WITHIN EQUIPMENT. 2. WHEN DESIGN TEMP. DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F.
CILL WATER or REFRIGERANT	1	1	

REVISIONS:

PLUMBING SPECIFICATIONS

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ENGINEERING

NRC

22057

MAY 19 2022

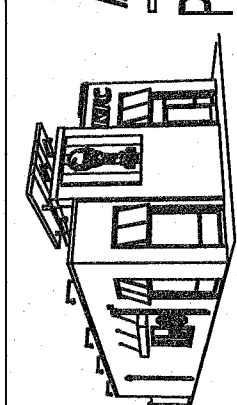
5/19/2022

CHARLES WILLIAM POPE

Charles William Pope & Associates

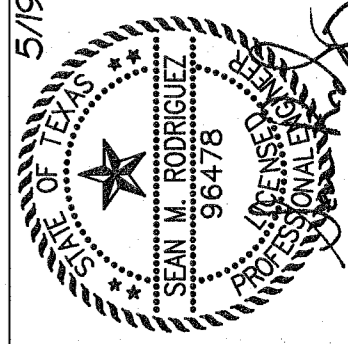
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DATE: 05.18.22
JOB NO: 44343
DRAWN BY: KMS
SHEET NUMBER:
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MAY 19 2022

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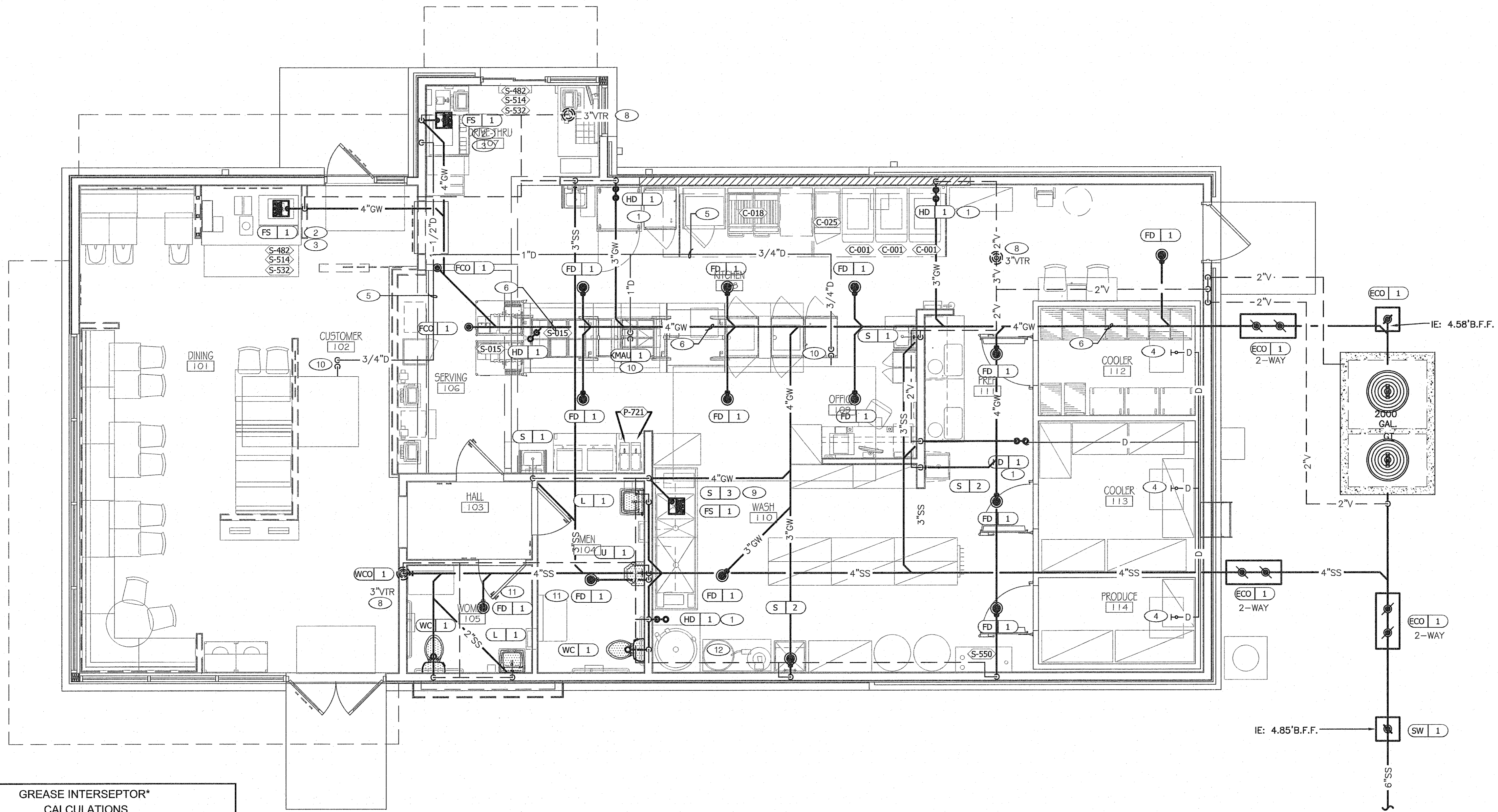


Charles William Pope & Associates
ARCHITECTURE PLANNING CONSULTING
7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: KMS
SHEET NUMBER:

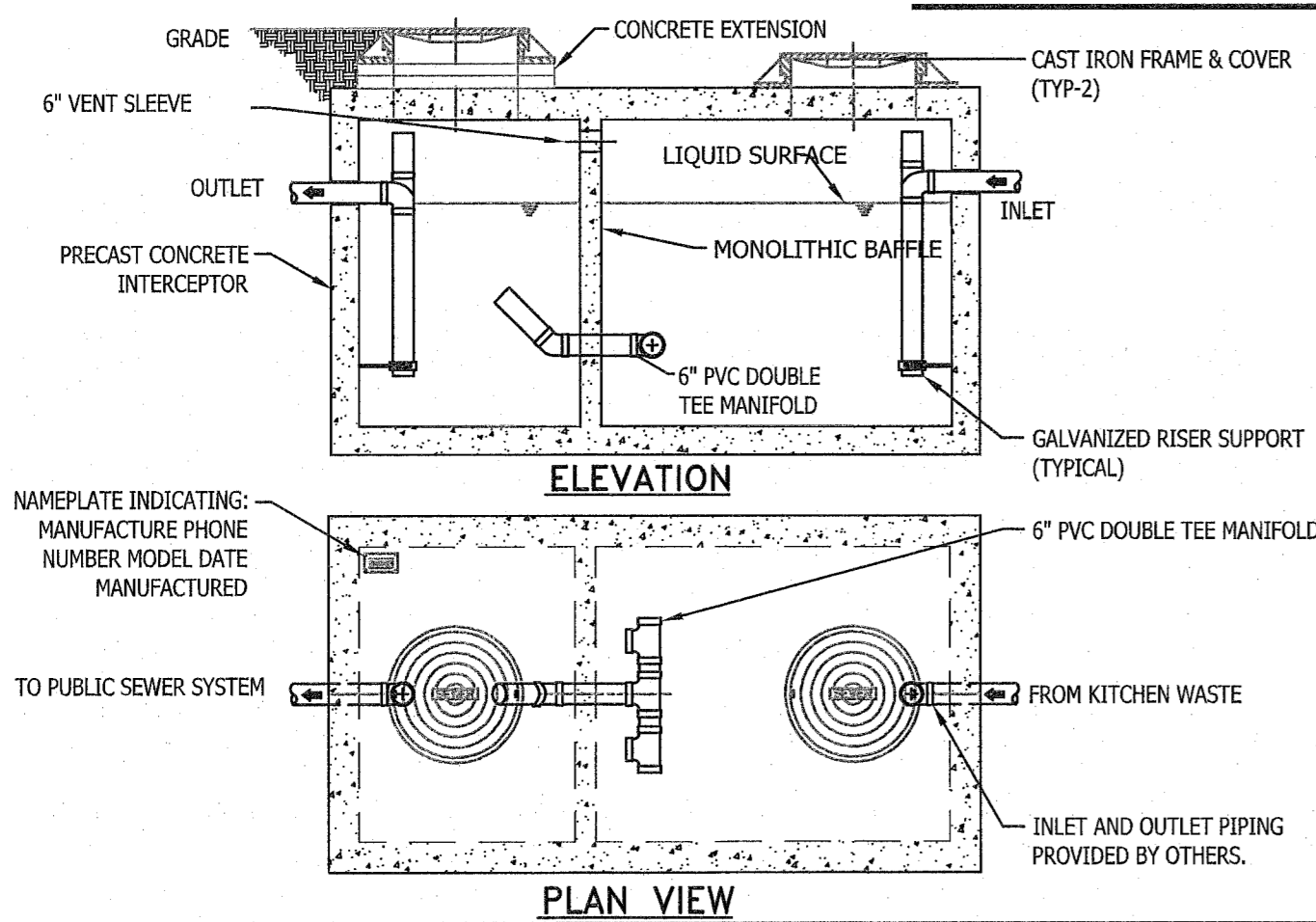
9.1

OF



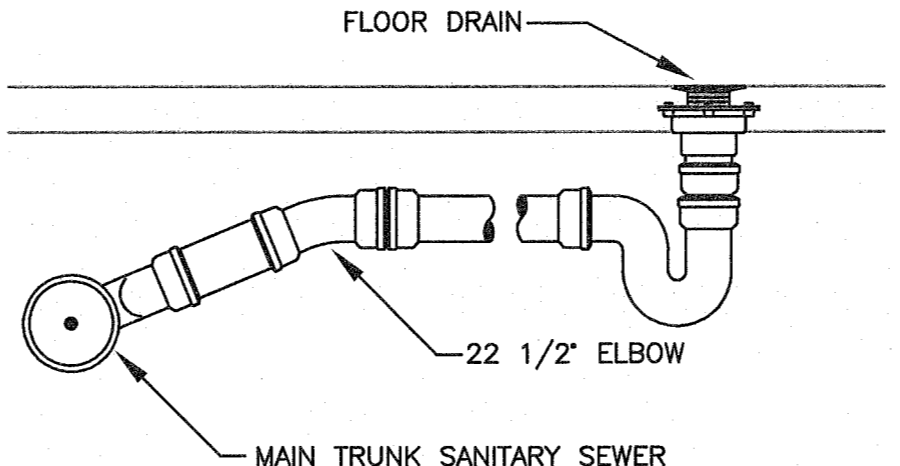
GREASE INTERCEPTOR* CALCULATIONS		
EQUATION:	TOTAL GPM x 30 = GREASE GALLONS	
PER: ASPE TABLE 1-5	PIPE SIZE	GPM @ 1/2 FULL PIPE
	4" DIAMETER 1/4" SLOPE	53.4 GPM
RETENTION TIME	30 MINUTES*	
EQUATION	53.4(GPM) X 30(RET)	
GREASE CAPACITY	1602 GAL.	
GREASE INTERCEPTOR SIZE:	2000 GALLON INTERCEPTOR	

* CALCULATED USING ASPE HANDBOOK AND PDI G101.
* CALCULATED USING IPC HANDBOOK 2018



2000 GALLON GREASE INTERCEPTOR N.T.S. D

Specifications
CONCRETE: Class 1 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth. (Monolithic baffle required, slide-in type is not acceptable)
REINFORCEMENT: Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.
C.I. CASTINGS: Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30. Manhole shall be nominal 24 inch diameter and be traffic duty.



COMBINATION WASTE/VENT FLOOR DRAIN C

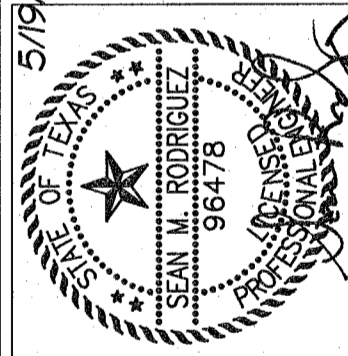
- 1 PROVIDE FLOOR SINK, IN LIEU OF HUB DRAIN, IF REQUIRED BY LOCAL CODE.
- 2 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO FLOOR SINK, PROVIDE AIR GAP PER LOCAL CODE.
- 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO FS, PROVIDE AIR GAP PER LOCAL CODE.
- 4 PROVIDE 3/4" PVC OR COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO RUN INSIDE WALL AND OUTFALL AT HUB DRAIN (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). EXPOSED PORTION OF CONDENSATE SHALL BE COPPER. FIELD COORDINATE EXACT LOCATION.
- 5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING TO FLOOR SINK. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO DETAIL D ON SHEET 9.4. IF PVC USED PROVIDE U.V. PROTECTION.
- 6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTLET OF INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 7 NOT USED
- 8 ROUTE SANITARY 3" VENT UP THROUGH ROOF. COORDINATE WITH STRUCTURAL.
- 9 PIPE WASTE LINE(S) FROM SINK INDIRECTLY TO FLOOR SINK. PROVIDE AIR GAP PER LOCAL CODE.
- 10 CONDENSATE DRAIN FROM ROOFTOP UNITS ROUTED DOWN IN WALL AND TERMINATE ABOVE HUB DRAIN. PROVIDE AIR GAP AS REQUIRED BY CODE.
- 11 PROVIDE TRAP PRIMER. SEE DETAIL C/9.2.
- 12 ROUTE INDIRECT WASTE FROM WATER SOFTENER TO HUB DRAIN.

WASTE & VENT PLAN 1/4"=1'-0" A

KEY NOTES B

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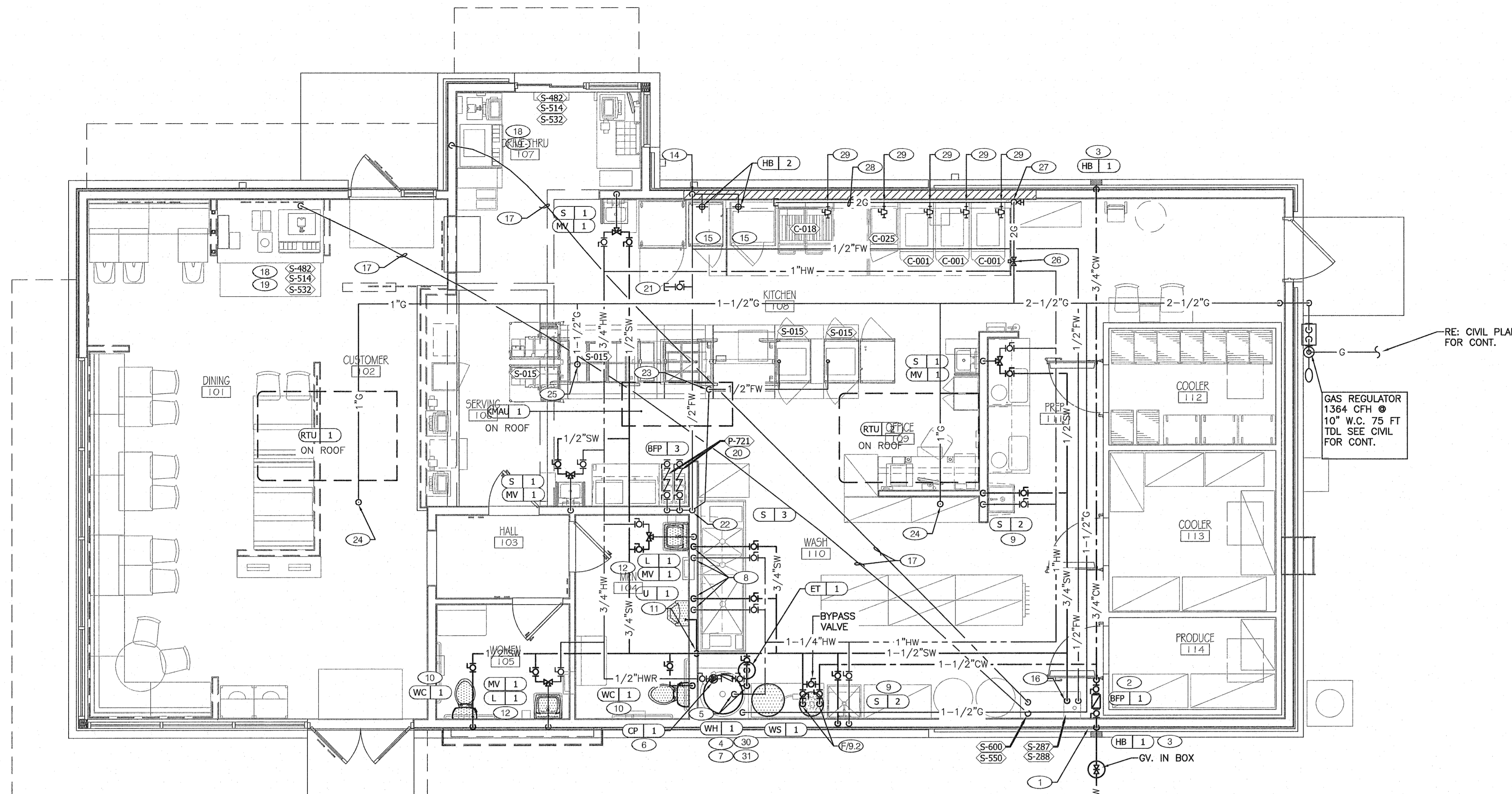


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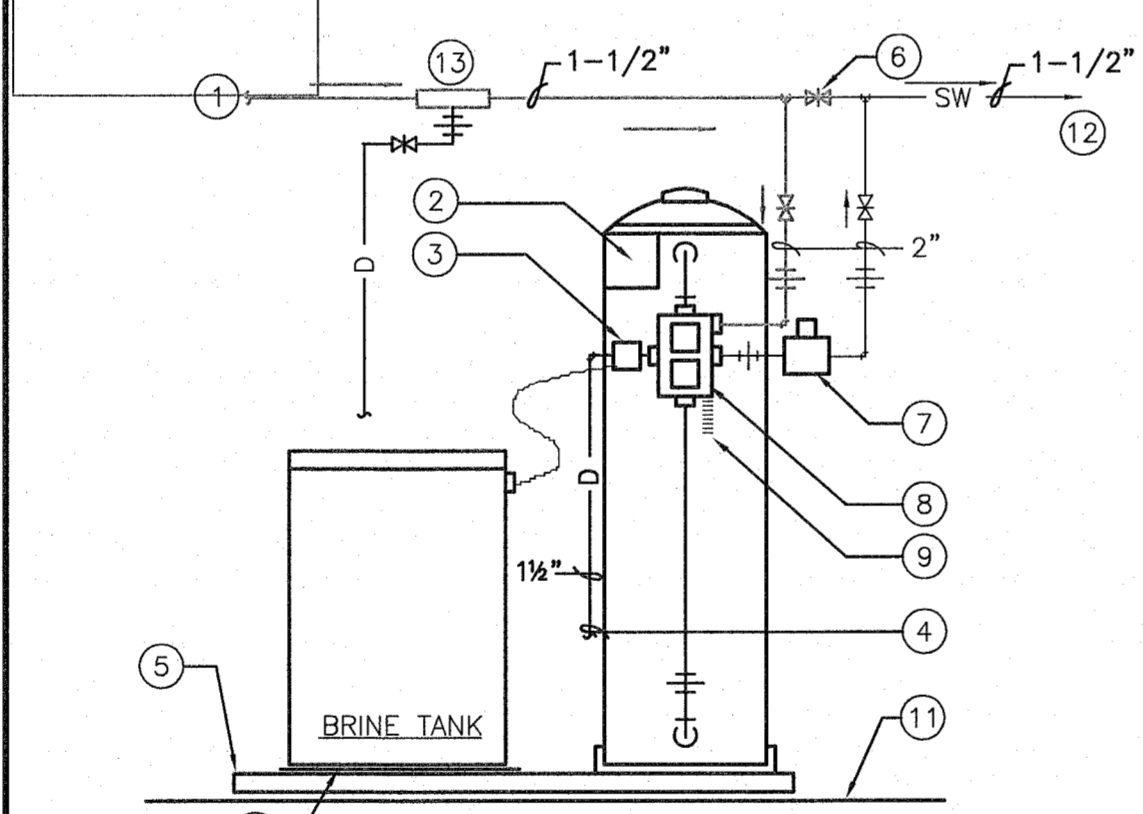
OF



RE: CIVIL PLAN FOR CONT.

GAS REGULATOR 1364 CFH @ 10" W.C. 75 FT TDL SEE CIVIL FOR CONT.

- A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISHED CEILINGS... B. NO ROOF PENETRATIONS PERMITTED... C. FLUSH ALL WATER SUPPLY LINES... D. CONTRACTOR SHALL VERIFY ALL DIMENSIONS... E. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL... F. CONTRACTOR SHALL COORDINATE HIS WORK... G. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS... H. PLUMBING CONTRACTOR TO FIELD COORDINATE...

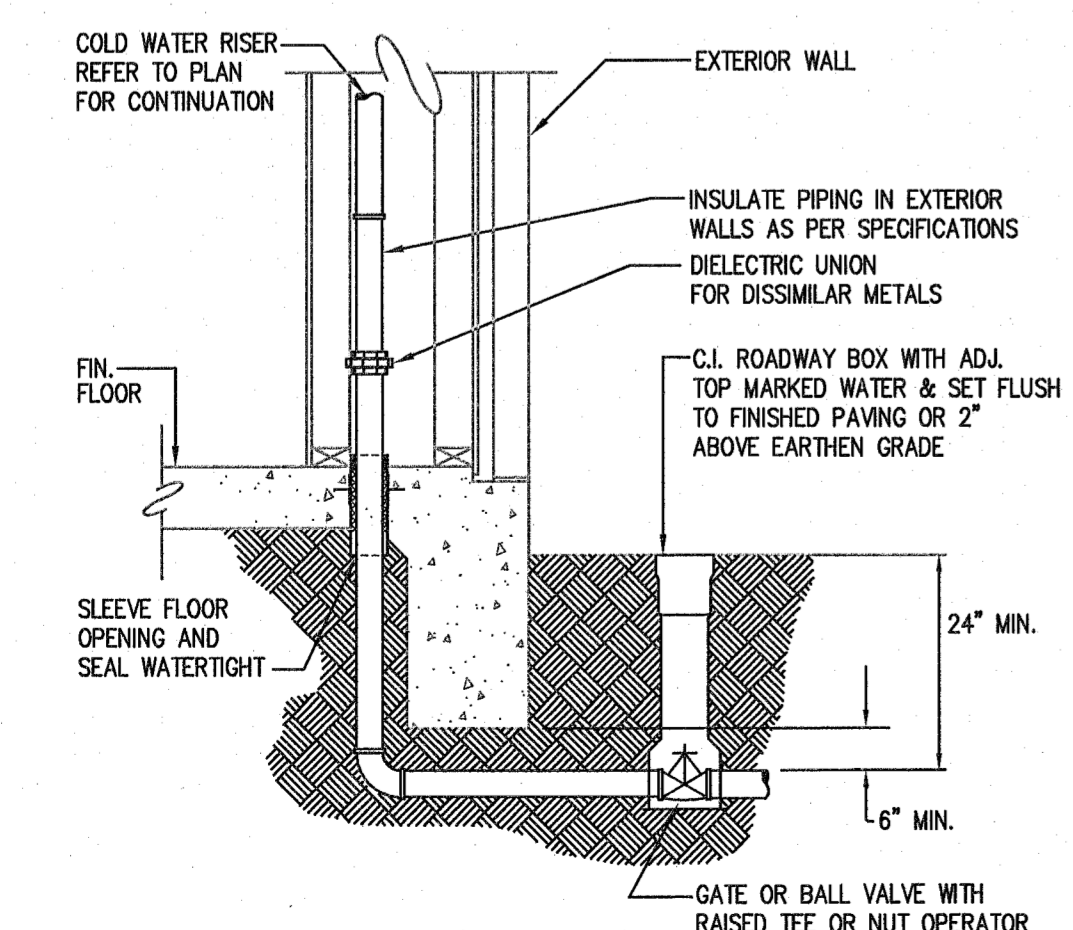


- 1 FROM COLD WATER SUPPLY LINE 2 CYCLE CONTROLLER 3 AUTO. BACKWASH FLOW CONTROLLER 4 TO ED 5 2" HIGH CONCRETE HOUSEKEEPING PAD 6 SHUTOFF VALVE (N.C.) 7 WATER METER 8 BRUNER-MATIC MULTI-PORT VALVE 9 SAMPLING COCK 10 1/8" NEOPRENE PAD 11 MECH. ROOM FLOOR 12 TO EQUIPMENT ITEMS SCHEDULED FOR SOFT WATER 13 BACK FLOW PREVENTOR

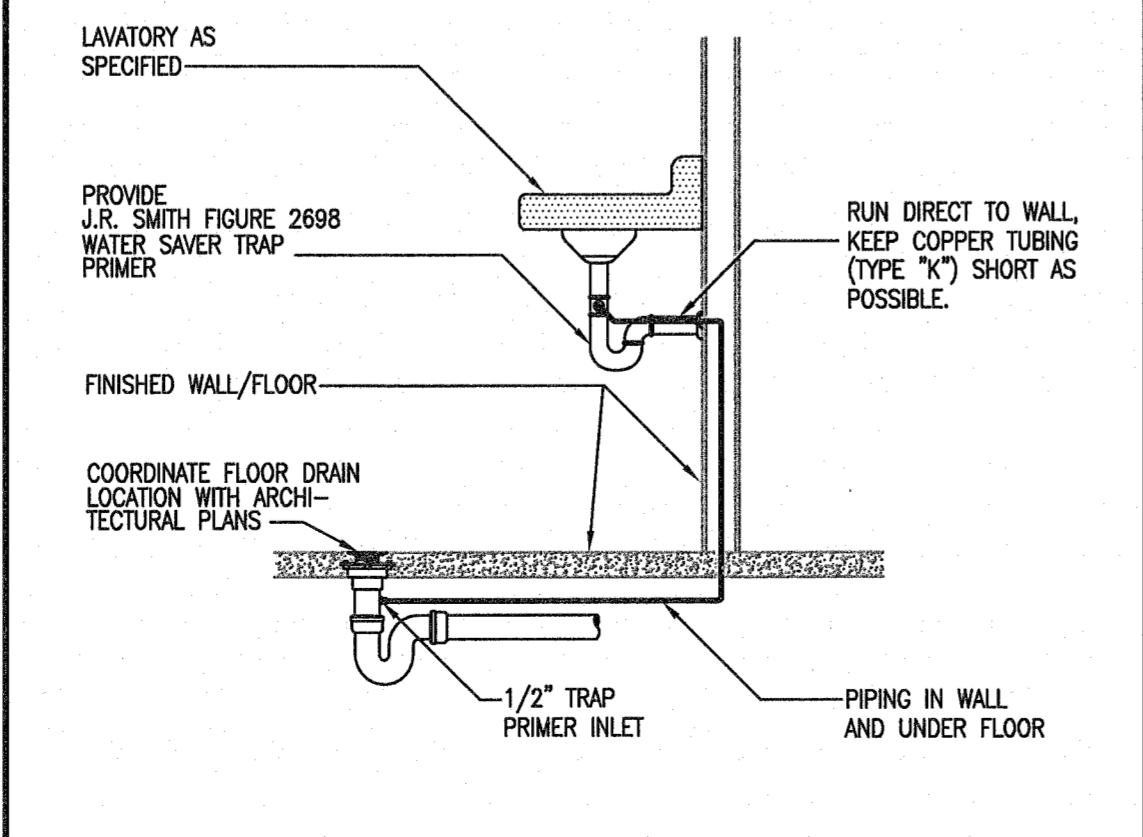
GENERAL NOTES D

WATER SOFTENER PIPING DETAIL F

WATER & GAS PLAN 1/4"=1'-0" A



WATER ENTRY DETAIL N.T.S. E

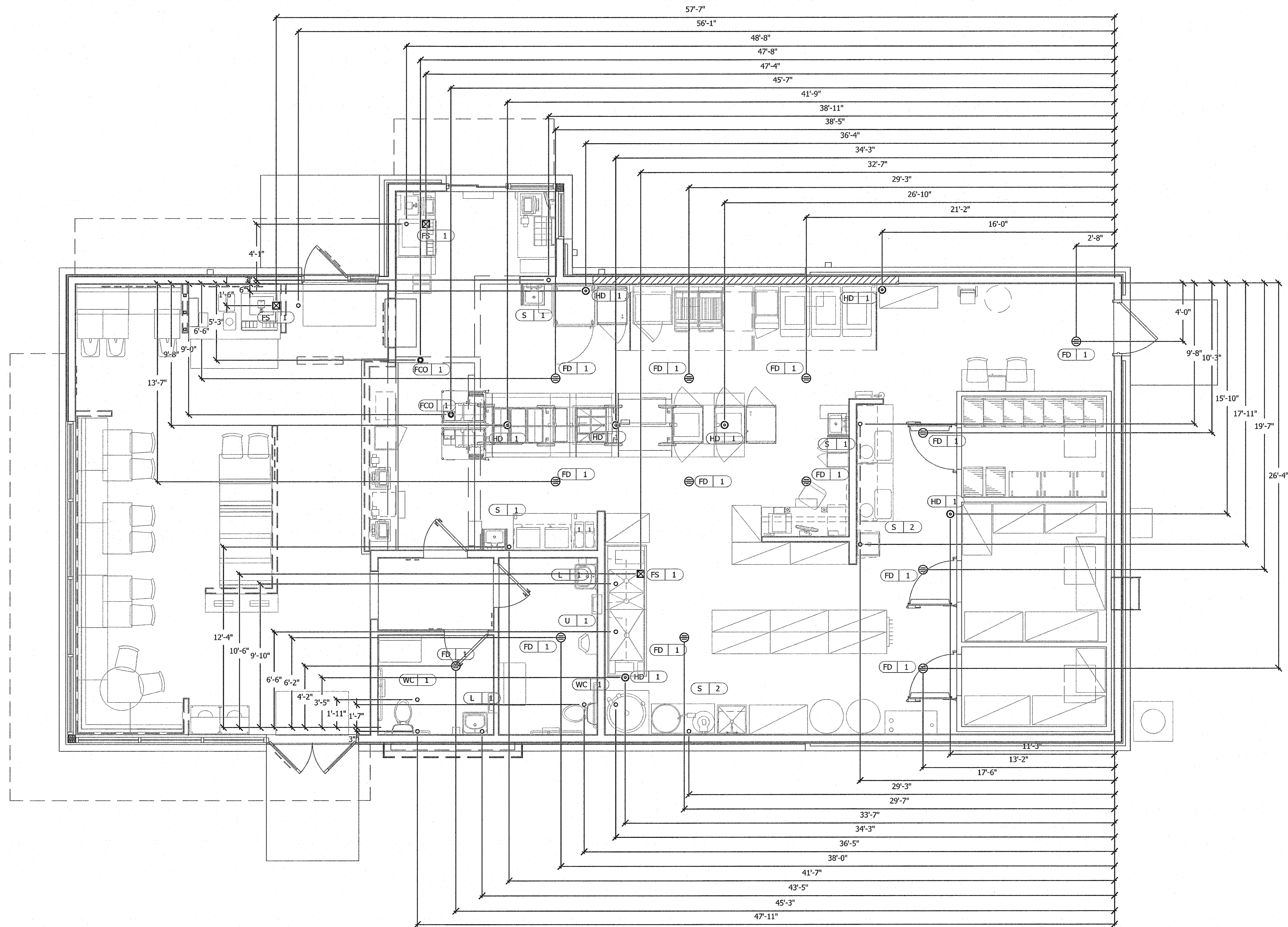


TRAP PRIMER DETAIL N.T.S. C

- 1 1-1/2" WATER SERVICE ENTRANCE... 2 REDUCED PRESSURE BACKFLOW PREVENTER... 3 3/4" COLD WATER IN WALL... 4 PROVIDE ONE INDOOR GAS FIRED COMMERCIAL TANK WATER HEATER... 5 1-1/4" HOT AND 1-1/4" SOFT WATER LINES... 6 PROVIDE HOT WATER CIRCULATING PUMP... 7 PIPE DRAIN PAN DRAIN AND T&P DISCHARGE... 8 1/2" HOT AND SOFT WATER LINES... 9 3/4" HOT AND SOFT WATER DOWN... 10 3/4" SOFT WATER DOWN... 11 3/4" SOFT WATER DOWN... 12 1/2" SW&HW DOWN... 13 NOT USED... 14 1/2" FILTERED WATER LINE... 15 PROVIDE 3/4" HOSE BIBB CONNECTION... 16 3/4" SOFT WATER LINE... 17 BUNDLED SYRUP LINES... 18 PROVIDE BACKFLOW PREVENTER... 19 REFER TO DRINK SYSTEM SCHEMATIC... 20 1/2" FILTERED WATER DOWN... 21 OPTIONAL COFFEE AND TEA MAKERS... 22 1/2" FILTERED WATER LINE... 23 1/2" FILTER WATER STUB-UP... 24 1" GAS UP TO ROOFTOP UNIT... 25 1-1/2" GAS UP TO ROOFTOP UNIT... 26 EMERGENCY GAS SHUT OFF VALVE... 27 2" GAS DOWN WALL... 28 2" GAS MANIFOLD... 29 1" GAS CONNECTION... 30 1-1/2" GAS DOWN TO WATER HEATER... 31 3" PVC EXHAUST AND INTAKE FLUES...

- 17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS... 18 PROVIDE BACKFLOW PREVENTER AT SODA DRINK DISPENSER... 19 REFER TO DRINK SYSTEM SCHEMATIC... 20 1/2" FILTERED WATER DOWN IN WALL... 21 OPTIONAL COFFEE AND TEA MAKERS... 22 1/2" FILTERED WATER LINE DOWN IN WALL... 23 1/2" FILTER WATER STUB-UP FROM BELOW SLAB... 24 1" GAS UP TO ROOFTOP UNIT... 25 1-1/2" GAS UP TO ROOFTOP UNIT... 26 EMERGENCY GAS SHUT OFF VALVE... 27 2" GAS DOWN WALL TO COOKING EQUIPMENT... 28 2" GAS MANIFOLD ALONG WALL... 29 1" GAS CONNECTION TO EACH PRESSURE FRYER... 30 1-1/2" GAS DOWN TO WATER HEATER... 31 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER...

KEY NOTES B



PLUMBING ROUGH-IN PLAN 1/4"=1'-0" A

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FCO 1	FLOOR CLEAN OUT			FLUSH W/ FINISH FLOOR
FD 1	FLOOR DRAIN			FLOOR MOUNT
FS 1	FLOOR SINK			FLOOR MOUNT
HB 1	HOSE BIB (EXTERIOR)		+20" A.F.F.	COORDINATE w/ SHEETS A4.0, A4.1
HB 2	HOSE BIB (INTERIOR)		+24" A.F.F.	COORDINATE w/ EQUIP. <C-134>
HD 1	HUB DRAIN			FLOOR MOUNT
L 1	LAVATORY	TW	+20" A.F.F.	VERIFY w/ ADA REQUIREMENTS
L 1	LAVATORY WASTE LINE		+16-1/2" A.F.F.	VERIFY w/ ADA REQUIREMENTS
OFD 1	ROOF OVERFLOW DRAIN LEADER	SW	+12" A.F.F.	DISCHARGES at BLDG. EXTERIOR
RD 1	ROOF DRAIN LEADER	SW		CONTINUES BELOW SLAB
S 1	HAND SINK	TW	+18" A.F.F.	RIM OF LAV @ +2'-8" A.F.F.
S 2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F.	
S 3	3-COMPARTMENT SINK	W	+19" A.F.F.	
S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F.	
S 4	PREP SINK	W	+19" A.F.F.	
S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F.	
SD 1	SLOT DRAIN			FLOOR MOUNT
WC 1	WATER CLOSET	CW	+29" A.F.F.	ALL FIXTURES ADA COMPLIANT
WC 1	WALL CLEAN OUT		+12" A.F.F.	COORDINATE WITH HAND SINK (S-1)
WH 1	WATER HEATER	CW		
WH 1	WATER HEATER	G	+15" A.F.F.	
WH 215	WATER HEATER	CW/HW		
C-001	PRESSURE FRYER - 8 HEAD (Qty. 2)	G	+12" A.F.F.	
C-017	SINGLE OPEN FRYER - OPTIONAL	G	+12" A.F.F.	
C-018	DUAL OPEN FRYER	G	+12" A.F.F.	
C-025	PRESSURE FRYER - 6 HEAD	G	+12" A.F.F.	
C-721	HOT WATER MACHINE (Qty. 2)	FW	+48" A.F.F.	SITS ON COUNTER TOP
C-015	1/2 - HEIGHT HEATED CABINET (Qty. 2)	FW	+1" A.F.F.	STUB UP FROM BELOW SLAB
C-017	FULL-HEIGHT HEATED CABINET (Qty. 2)	FW	+1" A.F.F.	STUB UP FROM BELOW SLAB
C-287	WATER FILTER SYSTEM	CW		SUPPLIED / INSTALLED BY PEPSI
C-288	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET / OUTLET TO FILTER by G.C.

PLUMBING ROUGH-IN SCHEDULE D

SYMBOL	DESCRIPTION
○	HOT WATER
●	COLD WATER
○	HOT WATER RETURN
□	GAS
⊖	FLOOR DRAIN
⊗	FLOOR SINK
○	HUB DRAIN
◆	WASTE OUTLET
○	FLOOR CLEANOUT
○	WALL CLEANOUT
○	FILTERED WATER
○	VENT UP FROM UNDER SLAB
○	WATER LINE THRU FLOOR.

SYMBOL LEGEND C

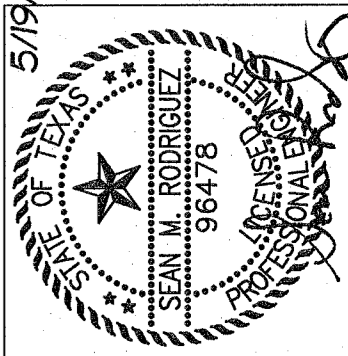
- GENERAL NOTES:**
- ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCH AND STRUCTURAL DRAWINGS, AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

PLUMBING ROUGH-IN NOTES B

May 16, 2022 - 9:01 am
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MAY 19 2022

5/19/2022



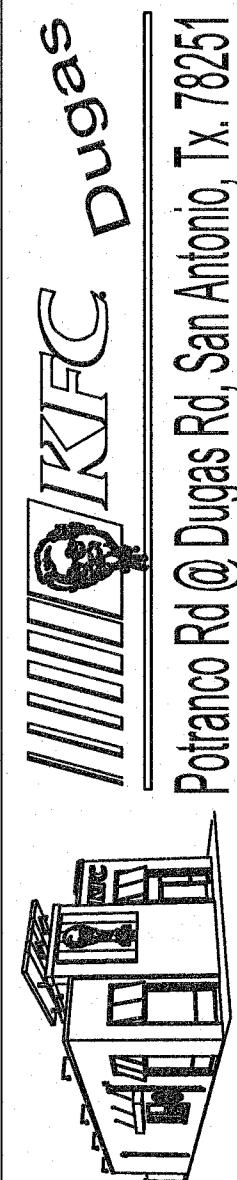
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OF

PLUMBING ROUGH-IN PLAN



Potranco Rd @ Dugas Rd, San Antonio, TX, 78251

NRC
ENGINEERING
P. E. William Pope, License No. 96475
Texas Professional Registration No. P-002816
22057

MAY 19 2022

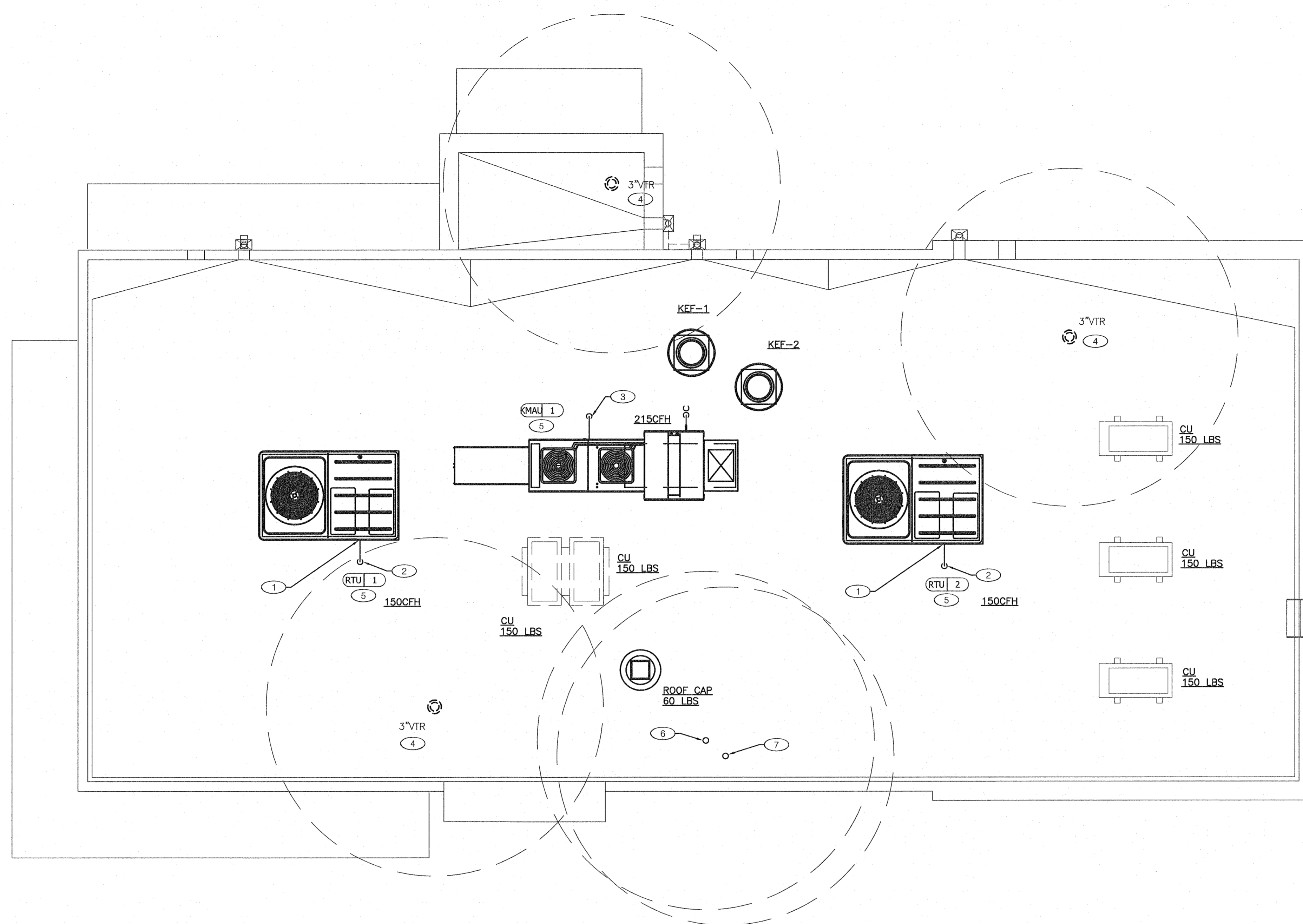


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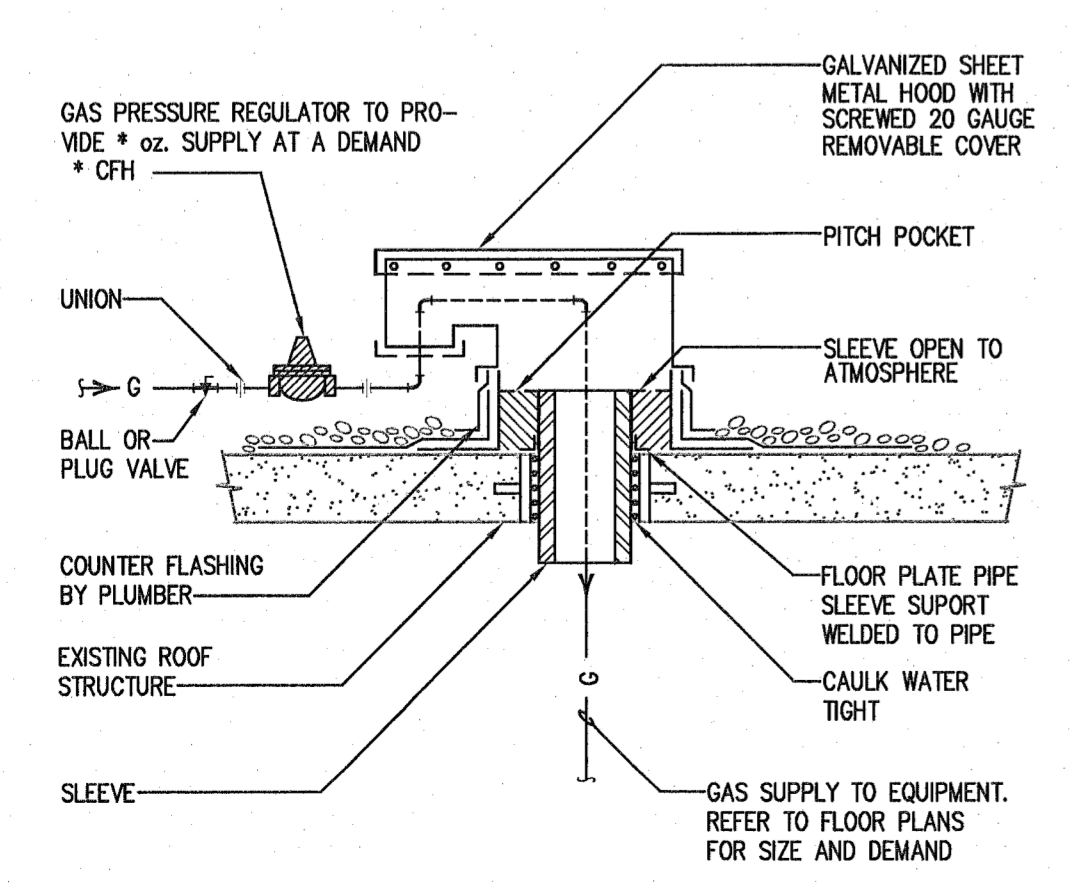
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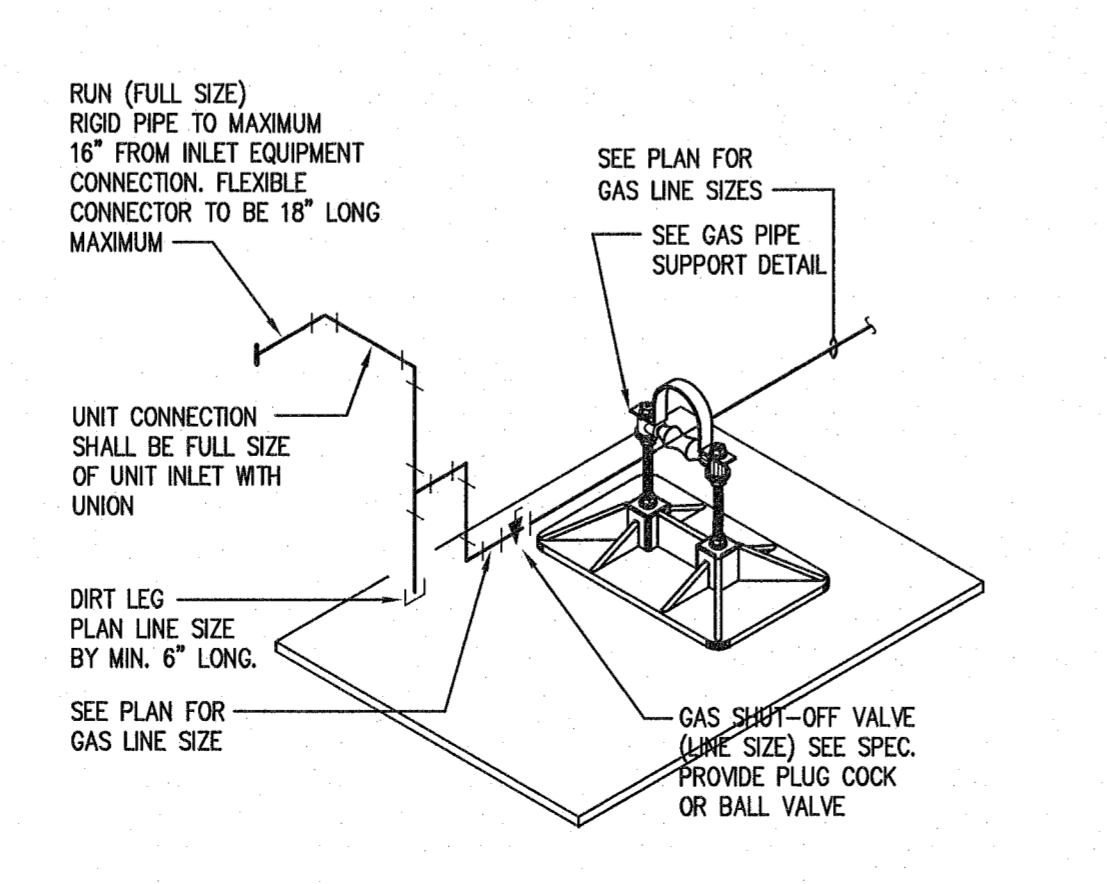
**GAS LOAD SUMMARY (10\"/>

APPLIANCE	QTY.	CONN. SIZE	CFH EA	TOT. CFH	MIN. PRES.
GWH1	1	-	199	199	4\"/>
RTU-1	1	3/4"	150	150	5\"/>
RTU-2	1	3/4"	150	150	5\"/>
KMAU-1	1	1"	215	215	5\"/>
PRESSURE FRYER <C001>	3	1"	100	300	4\"/>
OPEN FRYER <C018>	1	1.5"	210	210	7\"/>
6-HEAD FRYER <C025>	1	1"	140	140	7\"/>
TOTAL CFH				1364	
TOTAL DEV. LENGTH				75'	
PIPE SIZE				2.5"	

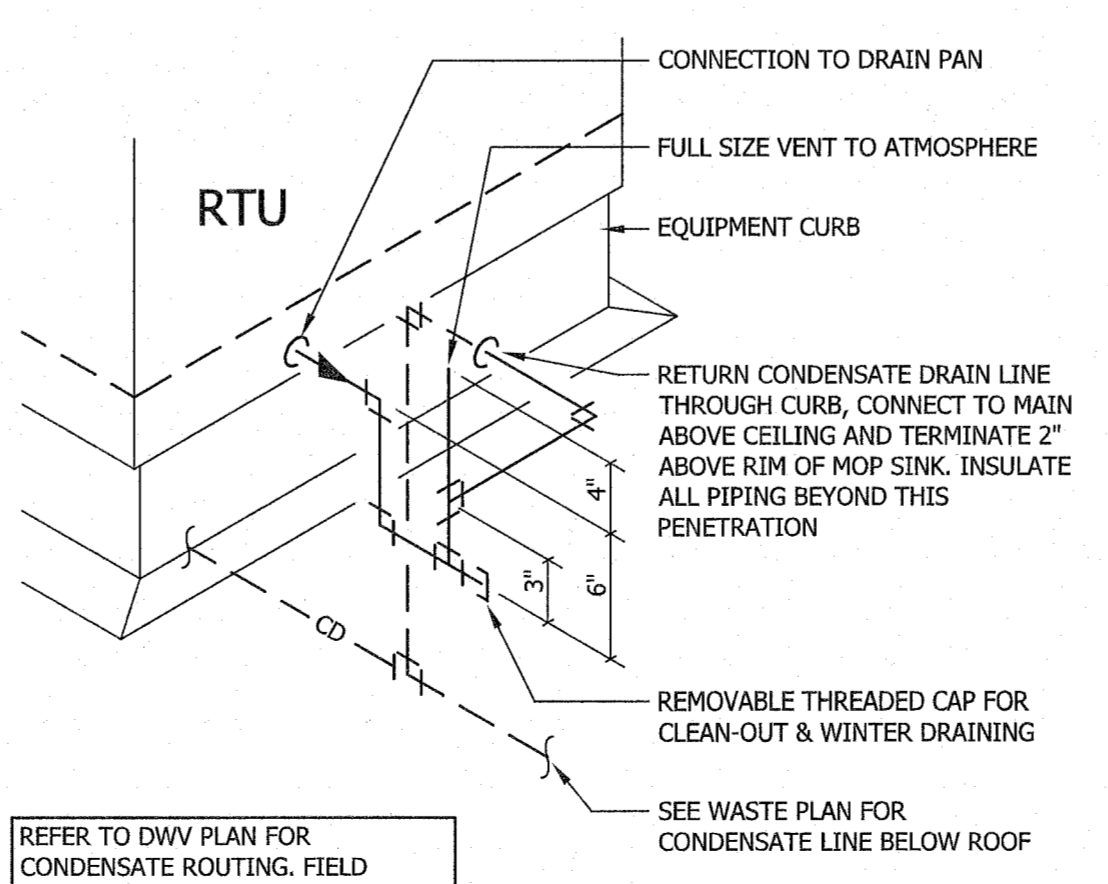
ROOF PLAN 1/4\"/>



GAS ROOF PENETRATION DETAIL N.T.S. F



GENERAL GAS EQUIP. CONNENCTION N.T.S. E



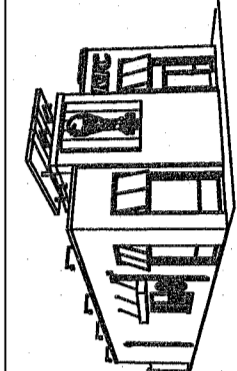
RTU CONDENSATE N.T.S. D

- GENERAL PLUMBING NOTES**
- A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISHED CEILINGS. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION. COORDINATE ALL DETAILS.
 - B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER VALLEYS", REFER TO ROOF PLAN FOR LOCATIONS.
 - C. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
 - D. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
 - E. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
 - F. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
 - G. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
 - H. PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL. ROUTE SANITARY LINES OUT AND AWAY FROM BEAMS WHERE POSSIBLE AND CROSS BEAMS PERPENDICULAR WITH SLEEVES AS REQUIRED.

GENERAL PLUMBING NOTES C

- KEY NOTES**
- 1 PROVIDE NATURAL GAS CONNECTION TO HVAC ROOFTOP EQUIPMENT. FIELD COORDINATE EXACT LOCATION. INSTALL PER MANUFACTURER'S INSTRUCTION.
 - 2 1\"/>

KEY NOTES B

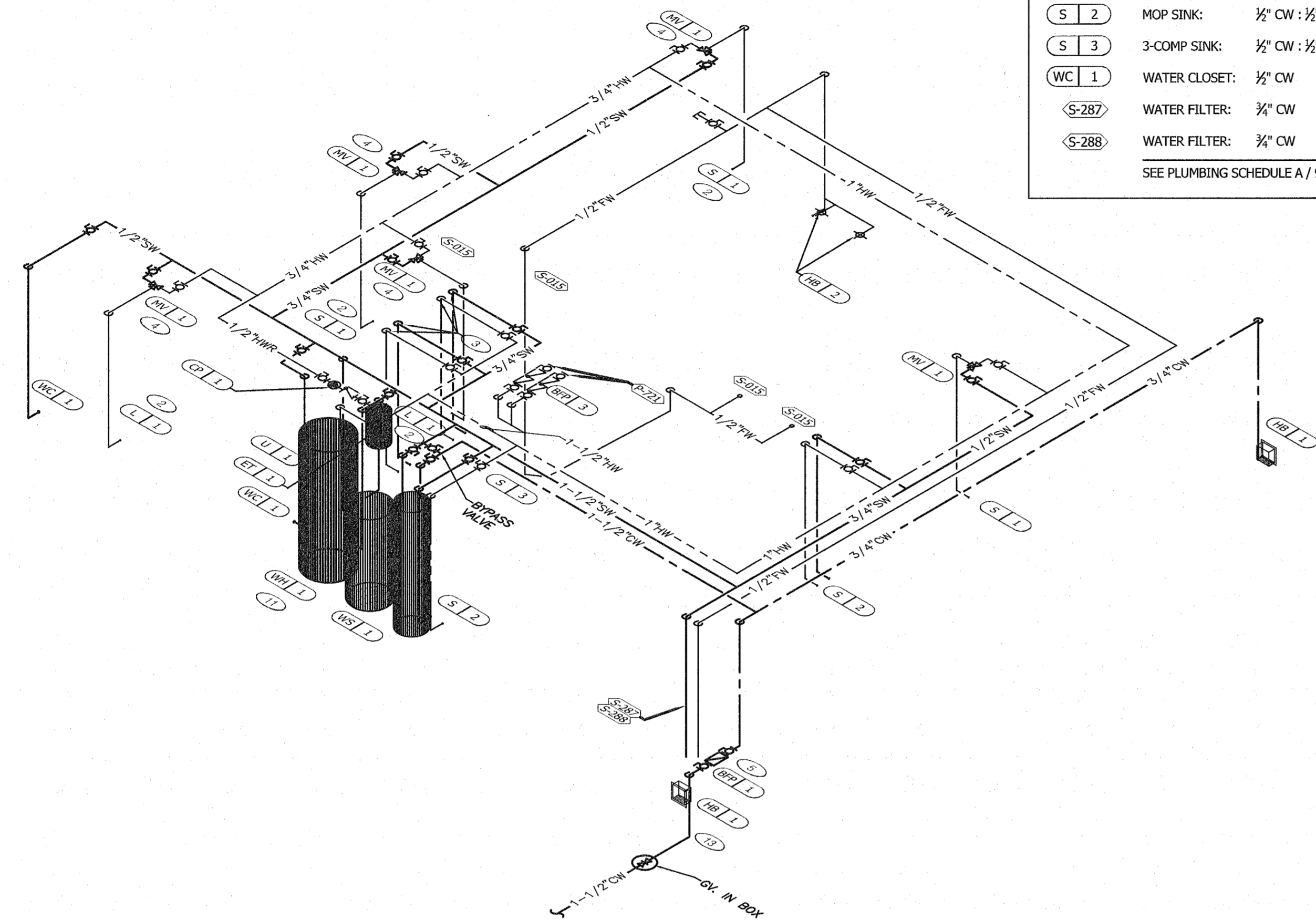


SUPPLY WATER LINE LEGEND:

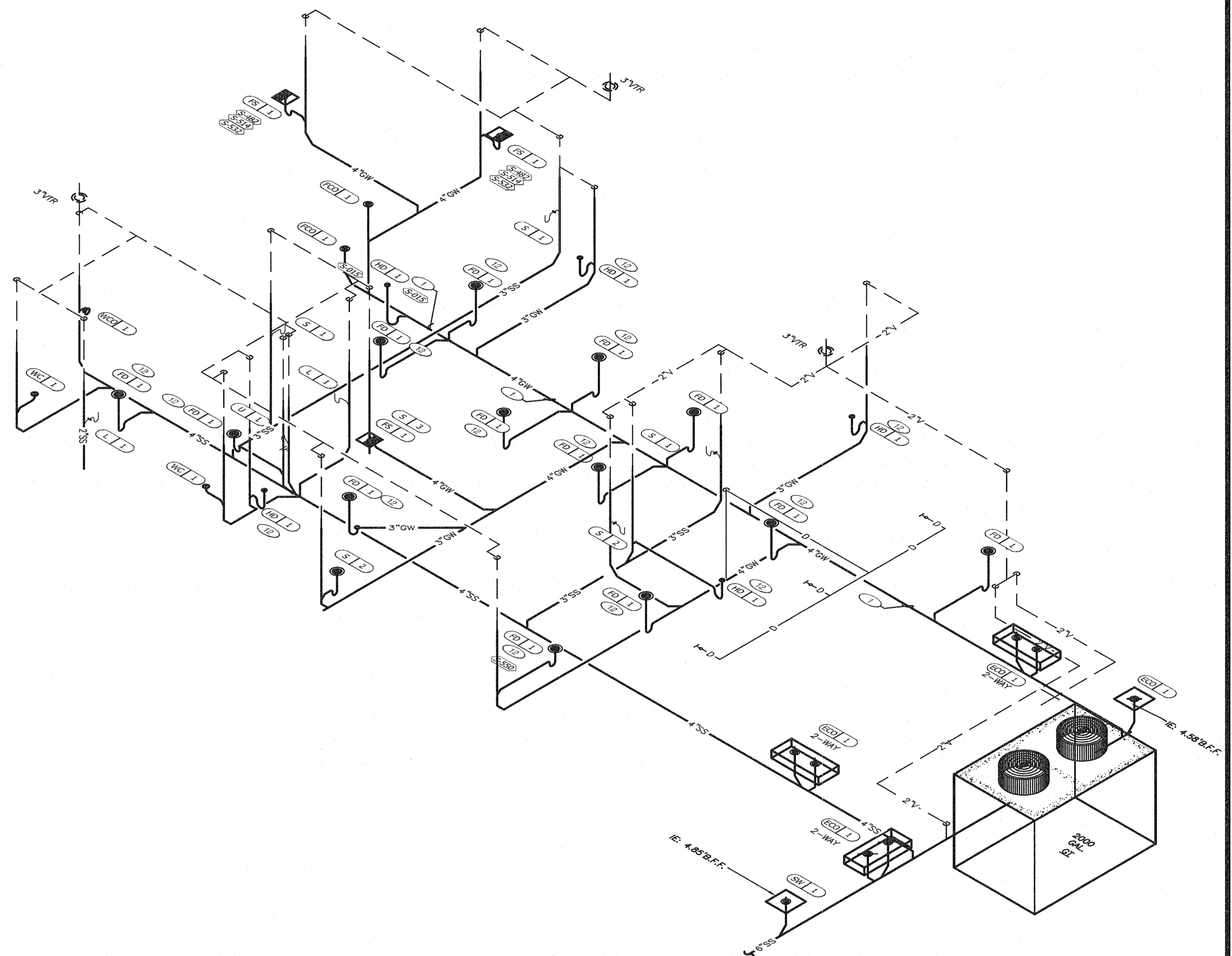
CW	COLD WATER	---
HW	HOT WATER	----
TW	TEMPERED WATER	-.-.-
SW	SOFT WATER	----

HB 1	HOSE BIBB:	3/4" CW
HB 2	HOSE BIBB:	3/4" CW
L 1	LAVATORY:	1/2" TW
S 1	HAND SINK:	1/2" TW
S 2	MOP SINK:	1/2" CW : 1/2" HW
S 3	3-COMP SINK:	1/2" CW : 1/2" HW
WC 1	WATER CLOSET:	1/2" CW
S-287	WATER FILTER:	3/4" CW
S-288	WATER FILTER:	3/4" CW

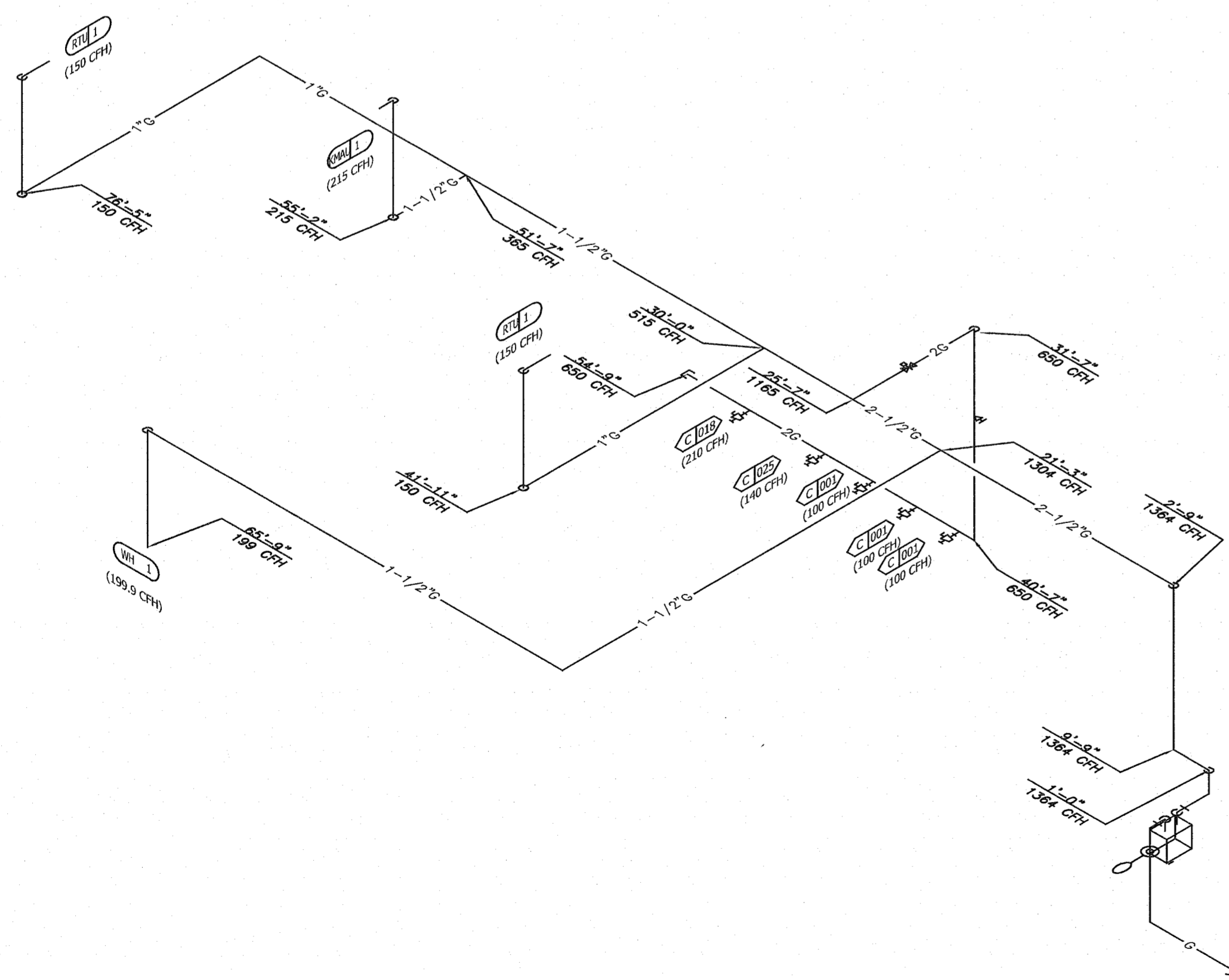
SEE PLUMBING SCHEDULE A / 9.7.



HOT / COLD / TEMPERED WATER ISOMETRIC N.T.S. 4



WASTE / VENT ISOMETRIC N.T.S. 1

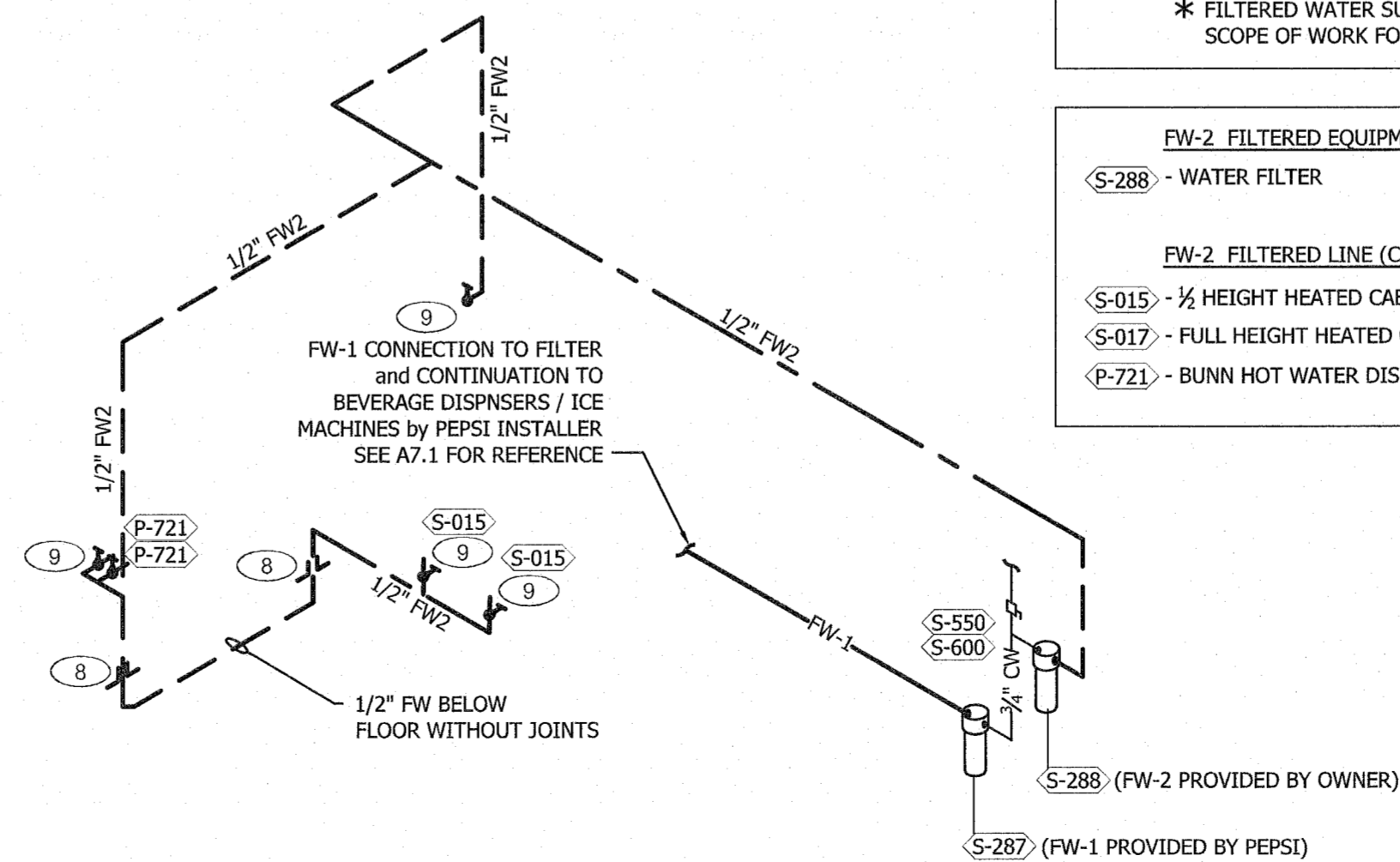


GAS ISOMETRIC N.T.S. 5

FILTERED WATER LINE LEGEND:

FW-1	1/2"	---
FW-2	1/2"	----
FW-2	1/2"	-.-.-
FW-2	1/2"	----

FW-1 CONNECTION TO FILTER and CONTINUATION TO BEVERAGE DISPENSERS / ICE MACHINES BY PEPSI INSTALLER SEE A7.1 FOR REFERENCE



FILTERED WATER ISOMETRIC N.T.S. 2

FW-1 FILTERED EQUIPMENT:

- S-287 - WATER FILTER

FW-1 FILTERED LINE (COLD WATER):

- S-512 - ICE CUBER - ABOVE SELF-SERVE BEVERAGE DISPENSER *
- S-512 - ICE CUBER - ABOVE DRIVE-THRU BEVERAGE DISPENSER *
- S-532 - DRIVE-THRU BEVERAGE DISPENSER *
- S-532 - SELF-SERVE BEVERAGE DISPENSER *

* FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

FW-2 FILTERED EQUIPMENT:

- S-288 - WATER FILTER

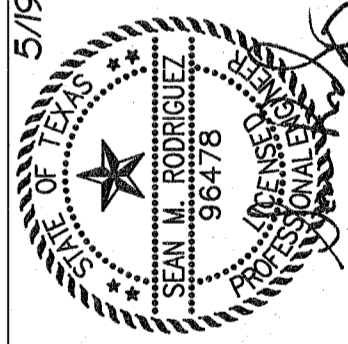
FW-2 FILTERED LINE (COLD WATER / HARD PIPING):

- S-015 - 1/2" HEIGHT HEATED CABINETS (Qty. 2)
- S-017 - FULL HEIGHT HEATED CABINET (Qty. 2)
- P-721 - BUINN HOT WATER DISPENSER (Qty. 2)

- ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR AS REQUIRED BY CODE.
- 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK / LAVATORY.
- 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- THERMOSTATIC MIXING VALVE.
- REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQUIREMENTS. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DRAWINGS.
- EMERGENCY GAS SHUT-OFF VALVE SHALL BE A MECHANICALLY OPERATED VALVE ACTIVATED BY THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH IBC AND NFPA. LOCATE SHUT-OFF BELOW FINISH CEILING.
- FACTORY GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT.
- 1/2" FILTERED WATER, CONTINUE BELOW SLAB, ROUTE UP THROUGH FLOOR CAP PIPE 1" A.F.F. FOR CONNECTION TO HEATED CABINETS <S-015> / <S-017>.
- 1/2" FILTERED WATER; TERMINATE WITH BALL VALVE / TRANSITION TO 1/2" LINE FOR CONNECTION TO EQUIPMENT.
- GAS SHUT-OFF VALVE IN CEILING SPACE BY G.C.
- PIPE T&P RELIEF VALVE TO OUTSIDE OF BUILDING OR TO HUB DRAIN. RUN FULL SIZE PIPE FROM VALVE WITH TYPE "K" COPPER TUBING.
- PROVIDE TRAP PRIMERS AS REQUIRED PER CODE.
- IRRIGATION VALVE BOX. COORDINATE WITH ENLARGED PLAN 3 / E3.1 and COMMUNICATIONS PLAN E5.0.
- DIRT LEG.
- 2" GAS MANIFOLD; WALL MOUNTED 12" A.F.F.
- PROVIDE 1" GAS LINE, CAPPED-OFF (FOR FUTURE TIE-IN).
- PROVIDE 1" GAS LINE FOR FUTURE / OPTIONAL SINGLE OPEN FRYER <C-017>; VERIFY WITH OWNER.

KEYNOTES 3

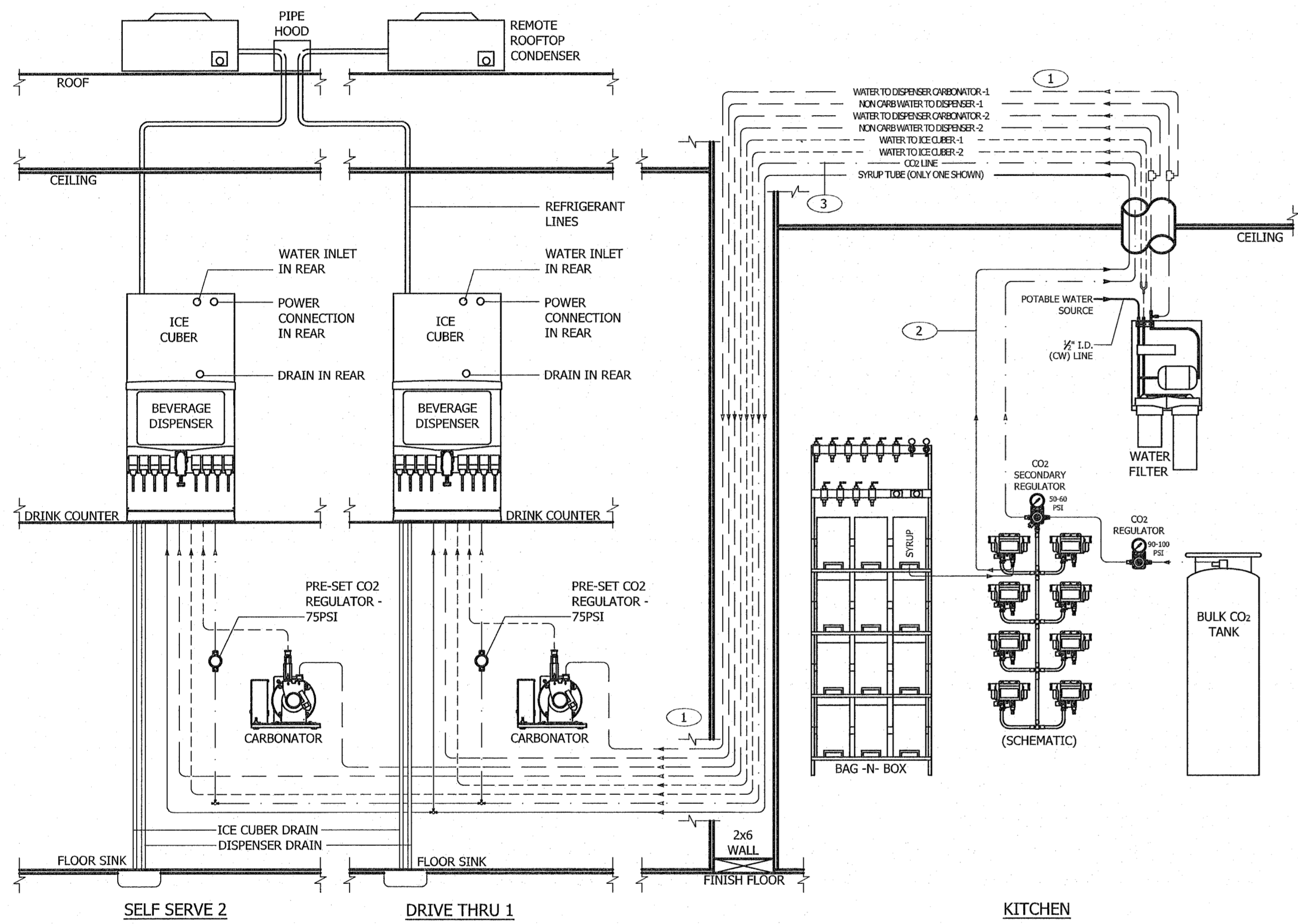
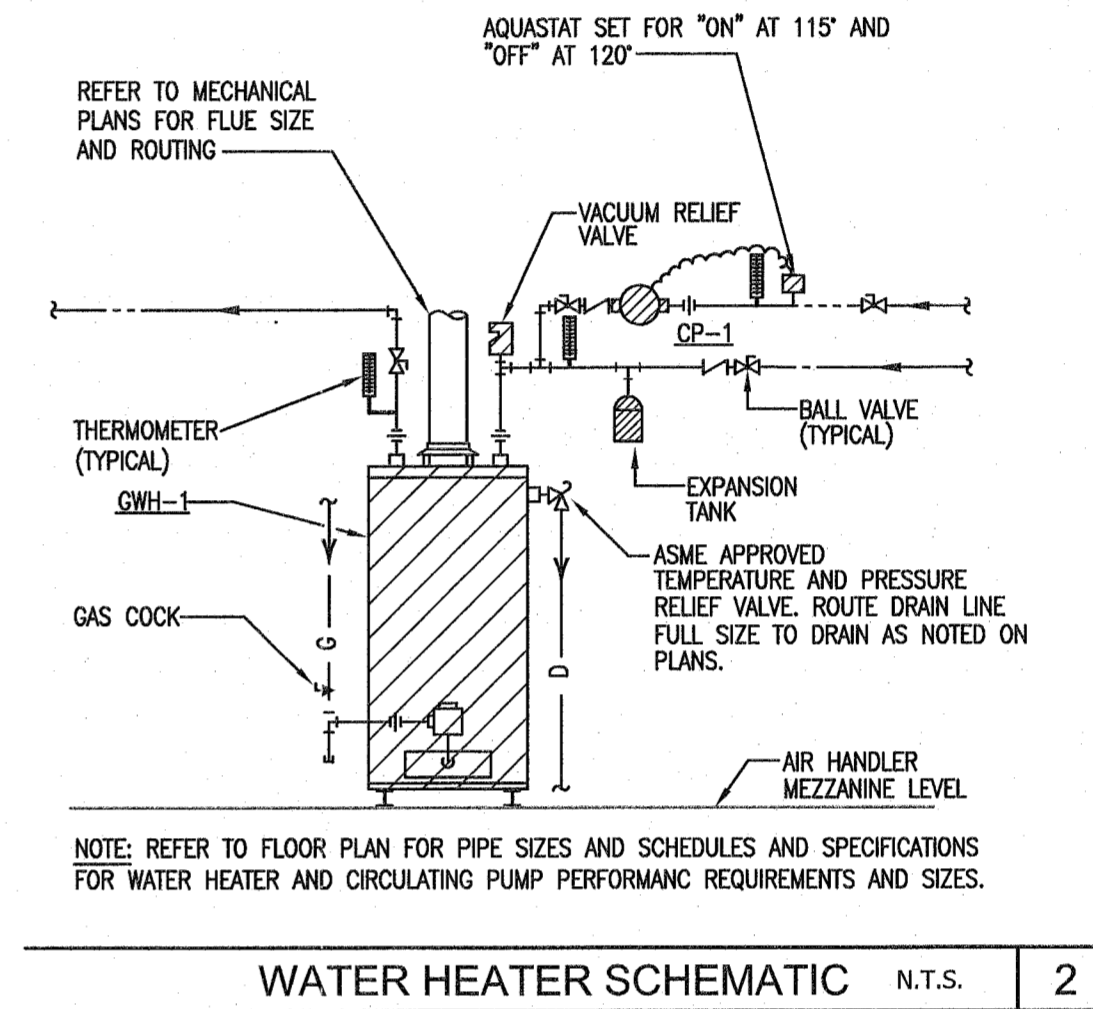
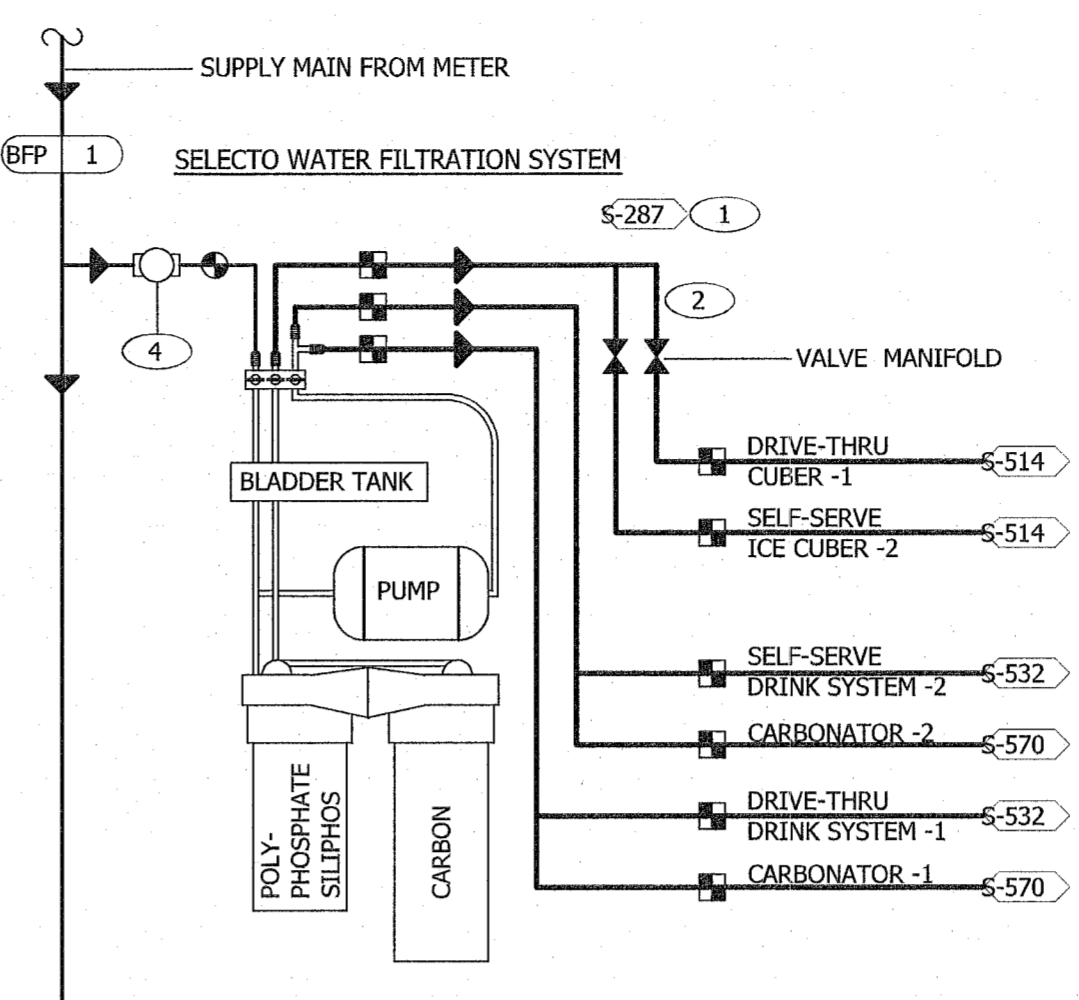
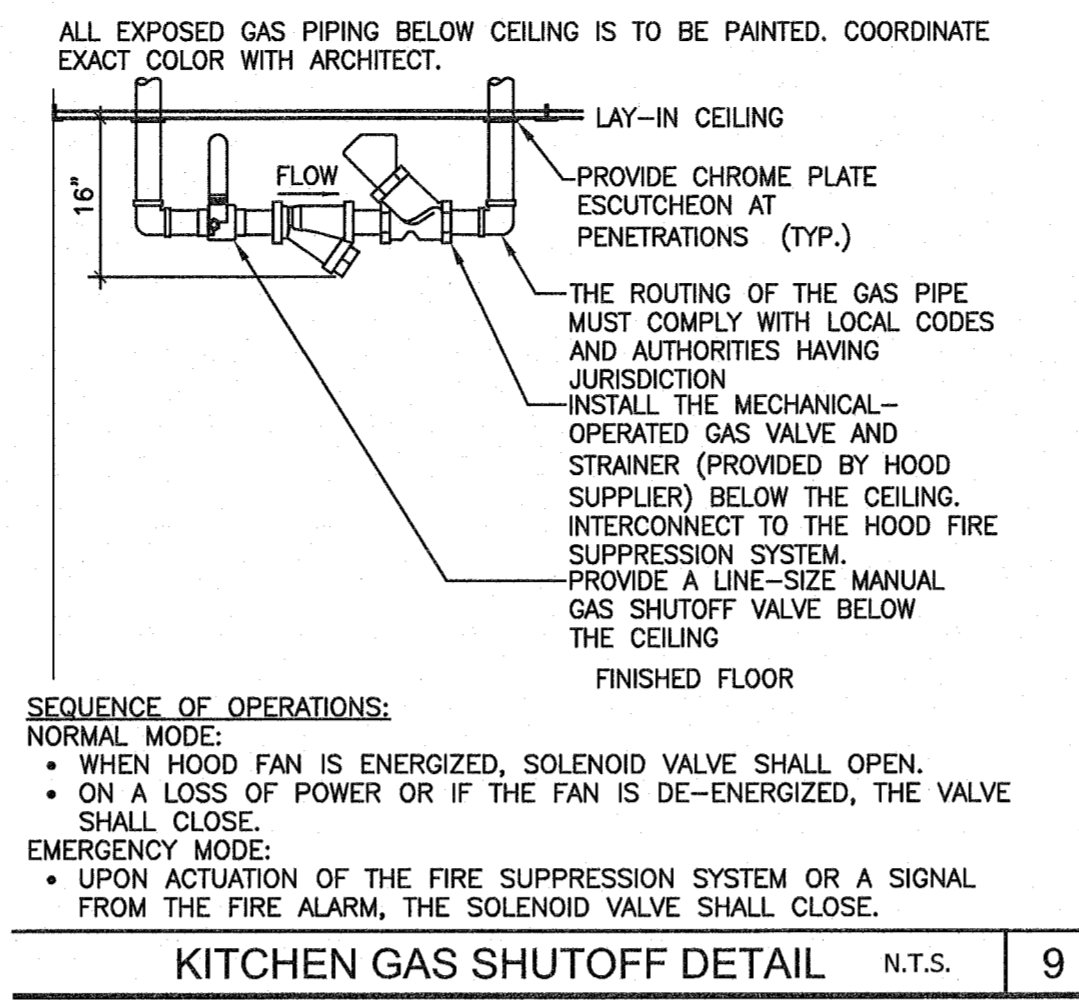
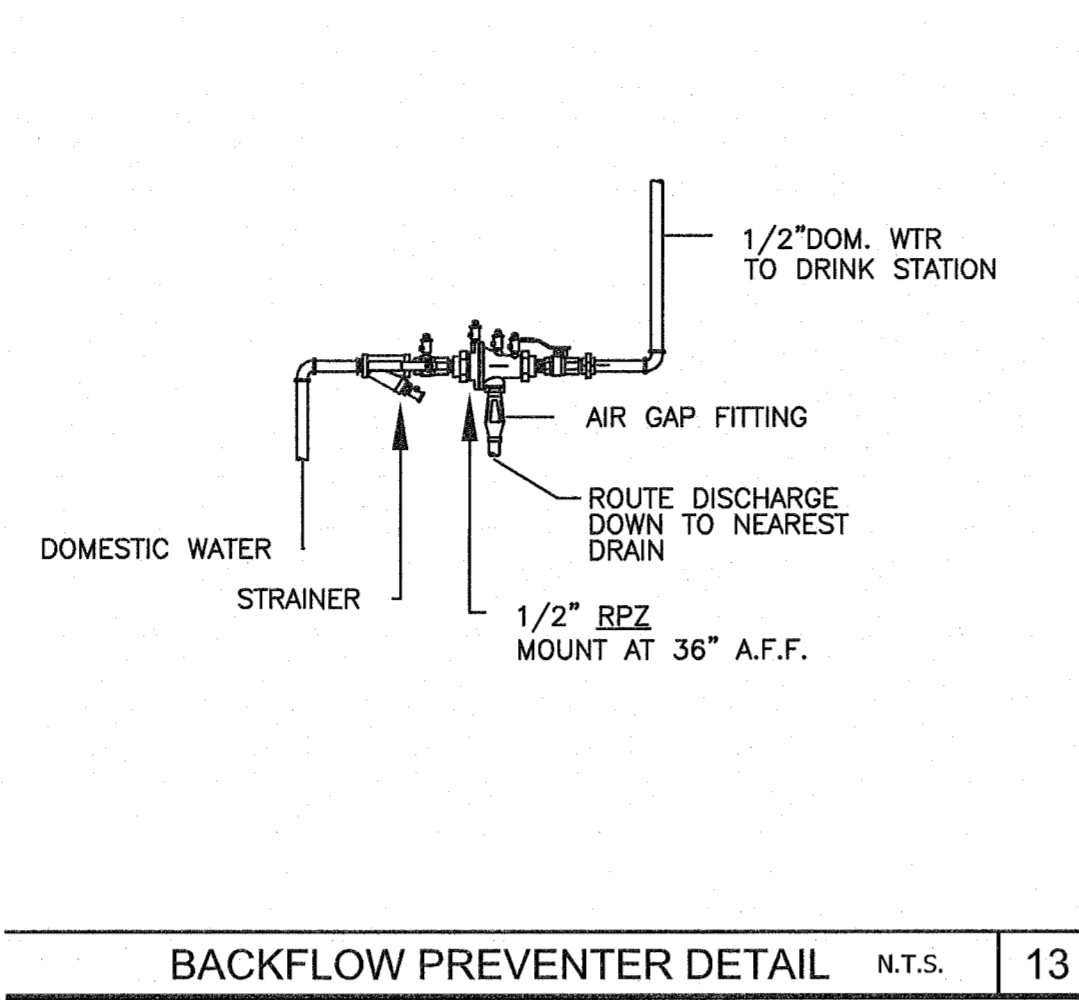
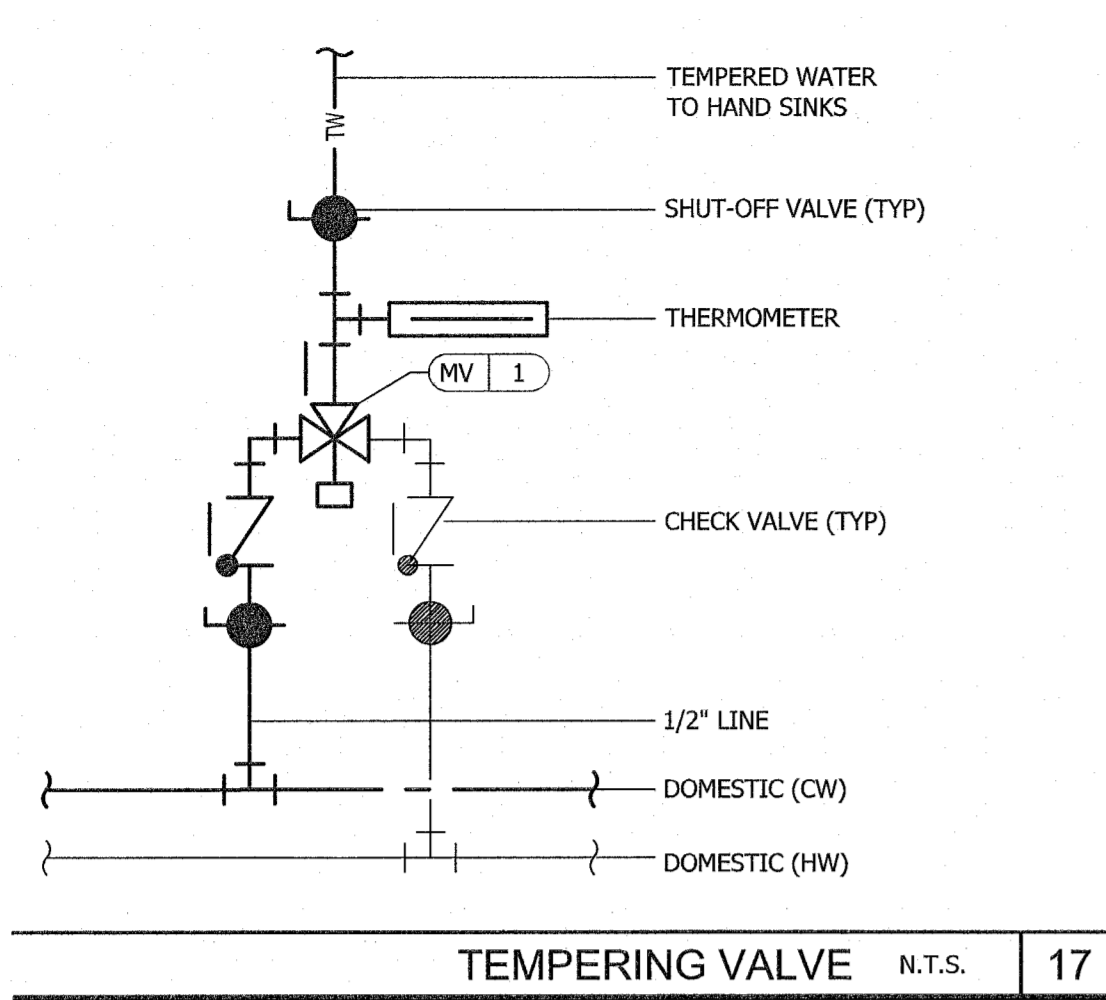
MAY 19 2022



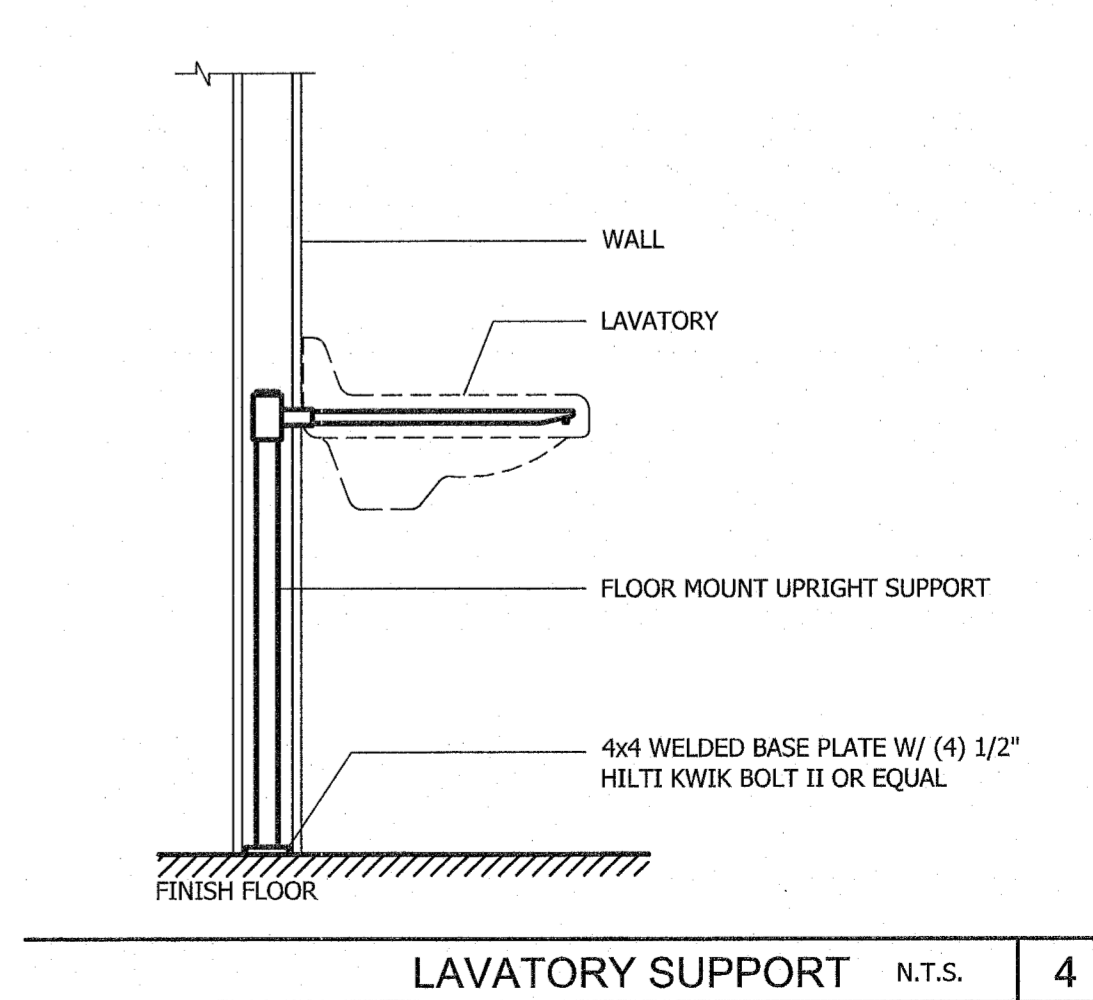
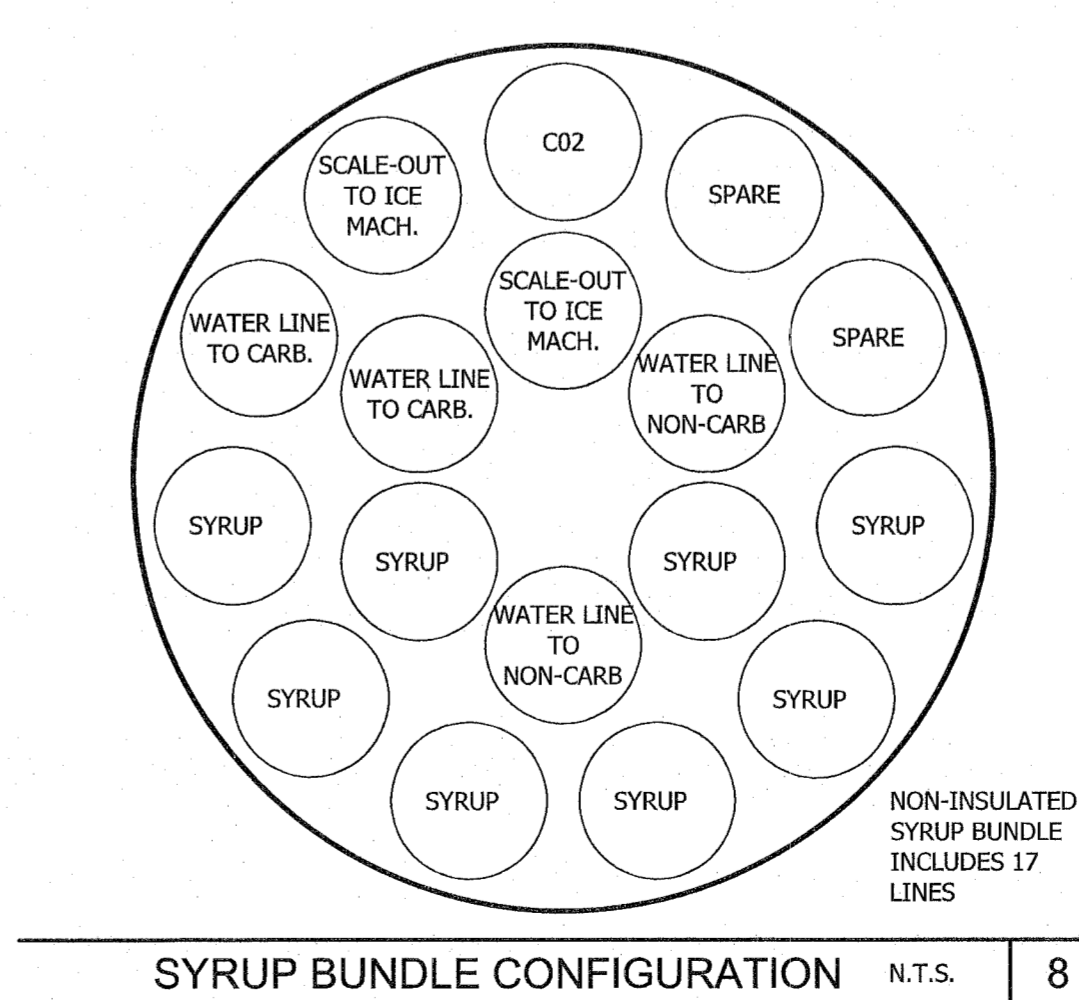
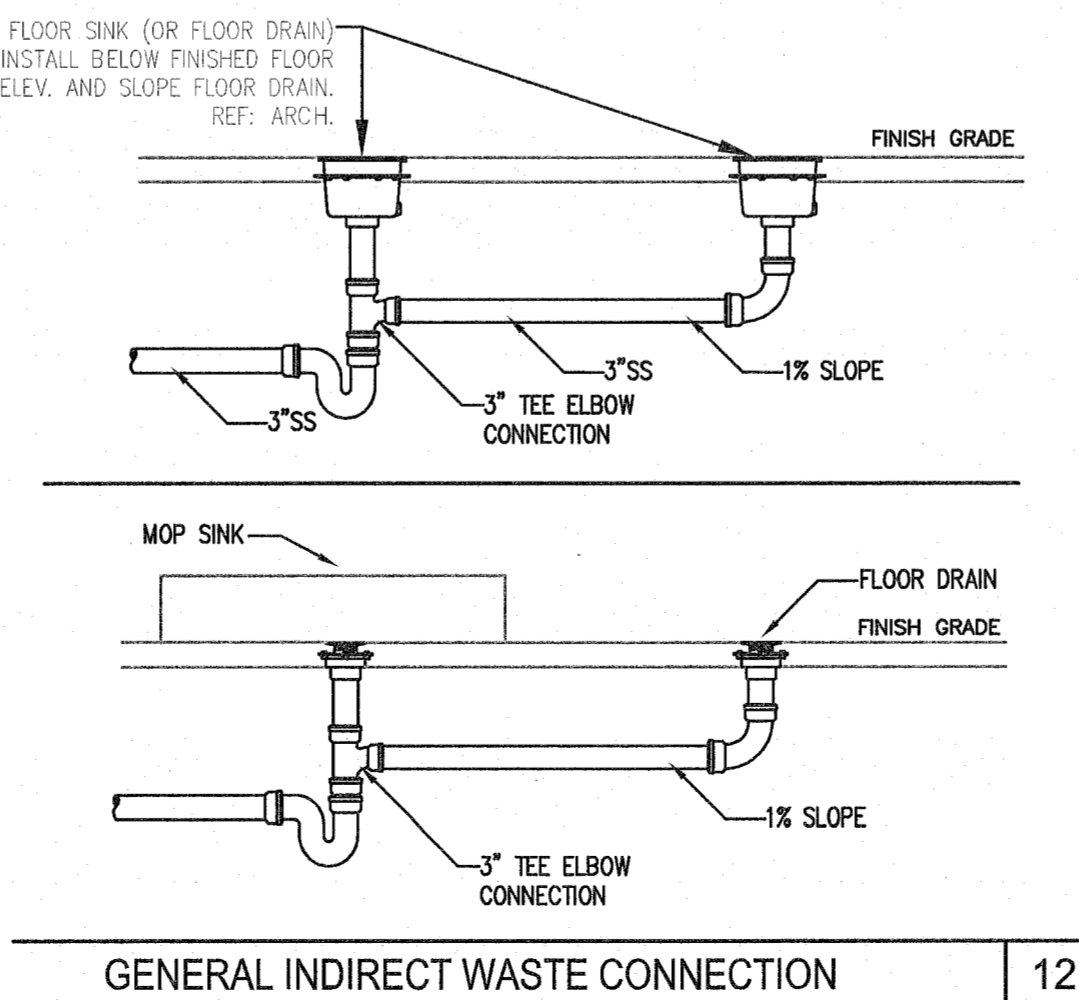
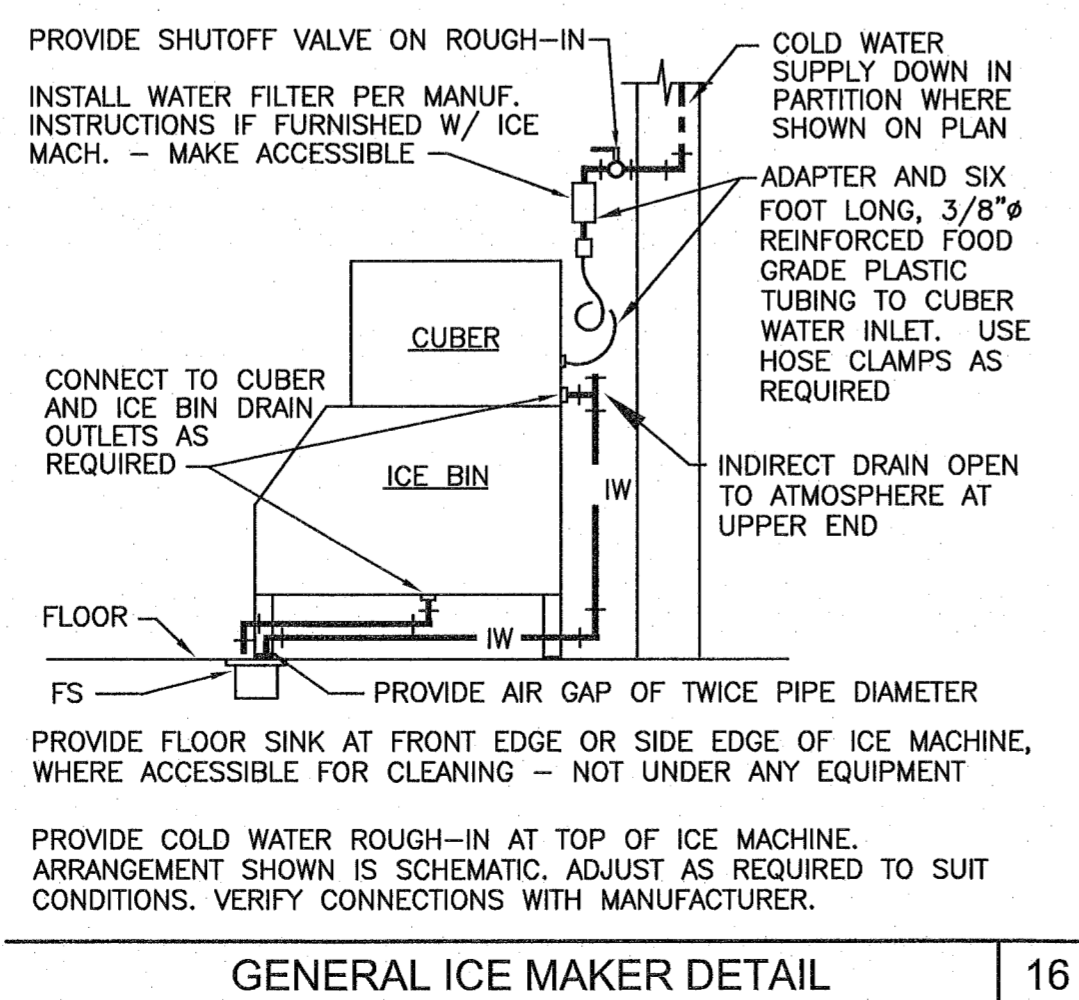
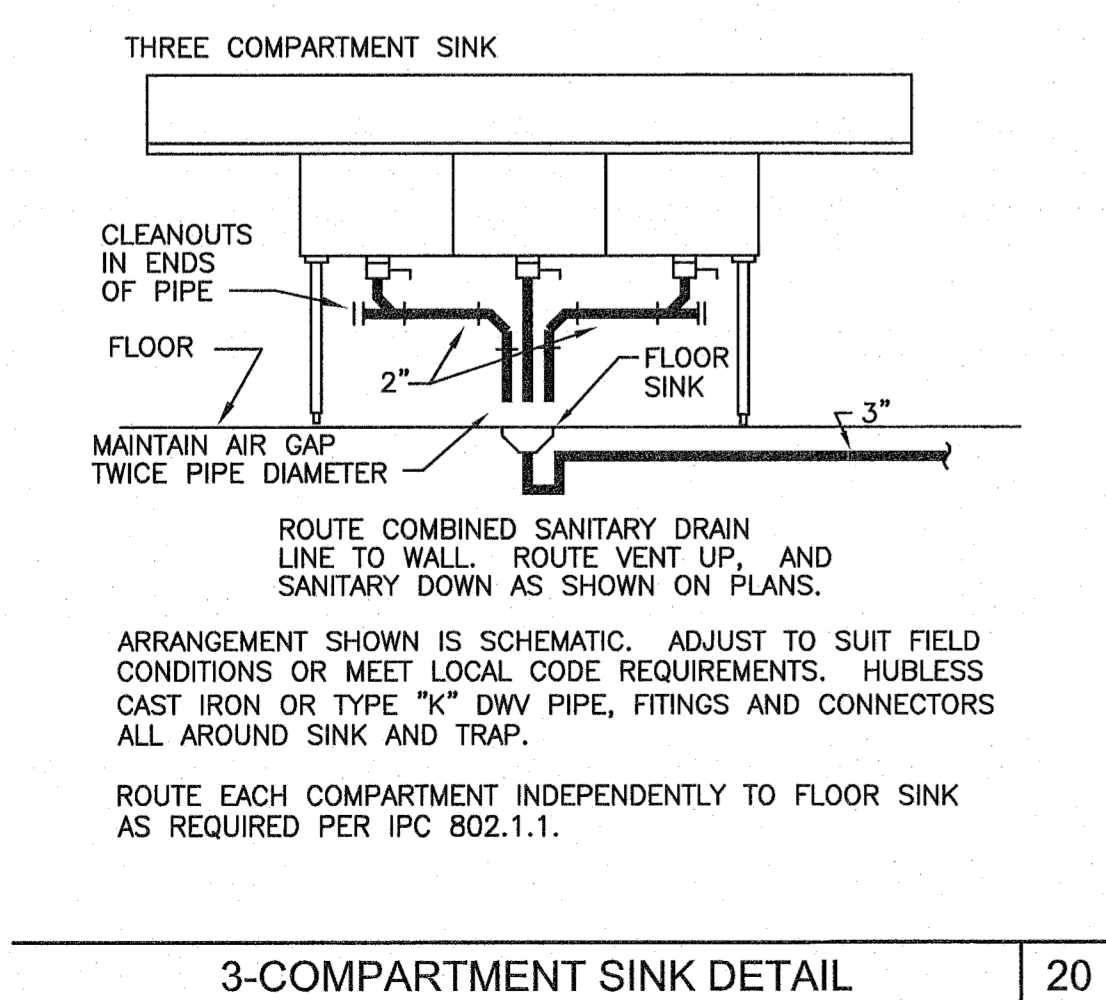
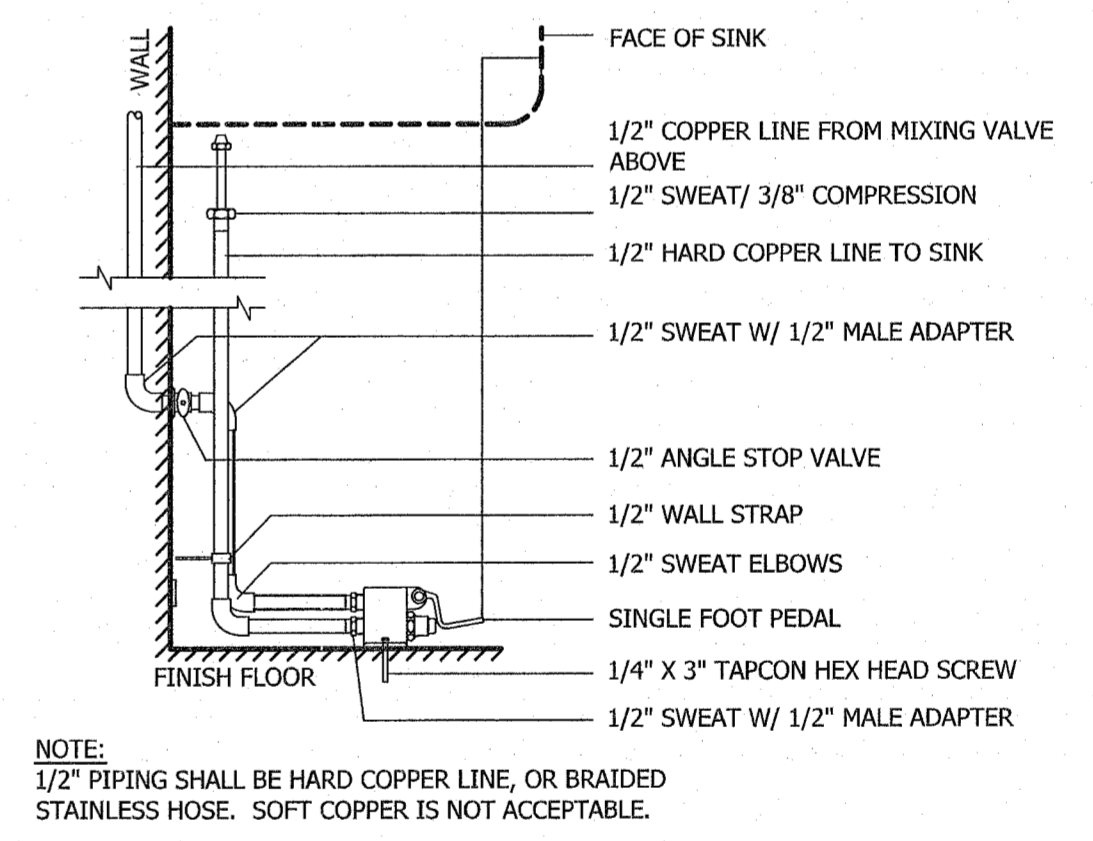
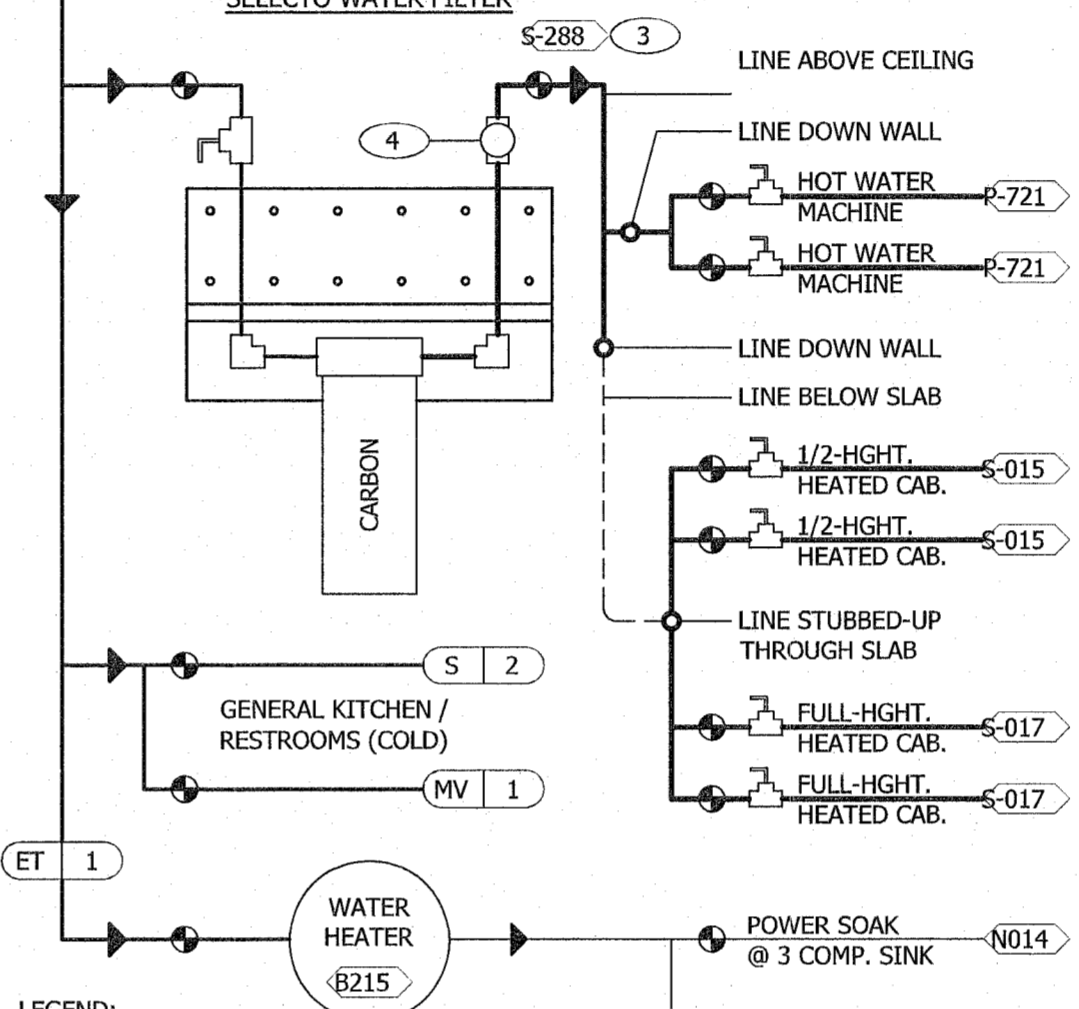
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DATE: 05.18.22
JOB NO: 44343
DRAWN BY: KMS
SHEET NUMBER:

9.5



- GENERAL NOTES:
- SEE SCOPE OF WORK FOR SCOPE DEFINITIONS.
 - ROUGHINS SHALL BE PROVIDED BY THE CONTRACTOR.
 - INSTALLATION MUST COMPLY WITH ANY STATE OR LOCAL PLUMBING CODES.
 - THE FILTER MUST BE PROTECTED AGAINST FREEZING.
 - USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
 - DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
 - SEE THE EQUIPMENT PLAN FOR LOCATION. SEE 12/9.6 FOR BUNDLE DETAILS.
 - \"/>
- KEY NOTES:
- SYRUP LINES, WATER LINES FOR THE CARBONATOR PUMPS, ICE CUBER WATER LINES, CO2 LINE FOR PNEUMATIC GATE AND PLAIN WATER FOR THE DISPENSERS ARE RUN INSIDE THE TUBING BUNDLE (BY PEPSI). COORDINATE WITH KEYNOTES 10, 11 / A1.0.
 - ONLY ONE SYRUP LINE SHOWN (FOR CLARITY).
 - 1/4\"/>
- LEGEND:
- WATER TO DISPENSERS / CARBONATORS
 - WATER TO ICE MACHINES
 - - - CO2 LINE
 - SYRUP LINE



PLUMBING DETAILS
 KFC Dugas
 Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

NRG ENGINEERING
 22057

MAY 19 2022
 5/19/2022
 CHARLES W. POPE
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 NO. 96716

Charles William Pope & Associates
 ARCHITECTURE PLANNING CONSULTING
 7400 BLANCO RD. # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
 JOB NO: 44343
 DRAWN BY: KMS
 SHEET NUMBER: 9.6
 OF

May 18, 2022 - 9:01 am
 22057_PLUMB.dwg

SEATING LEGEND - VERIFY WITH DECOR VENDOR

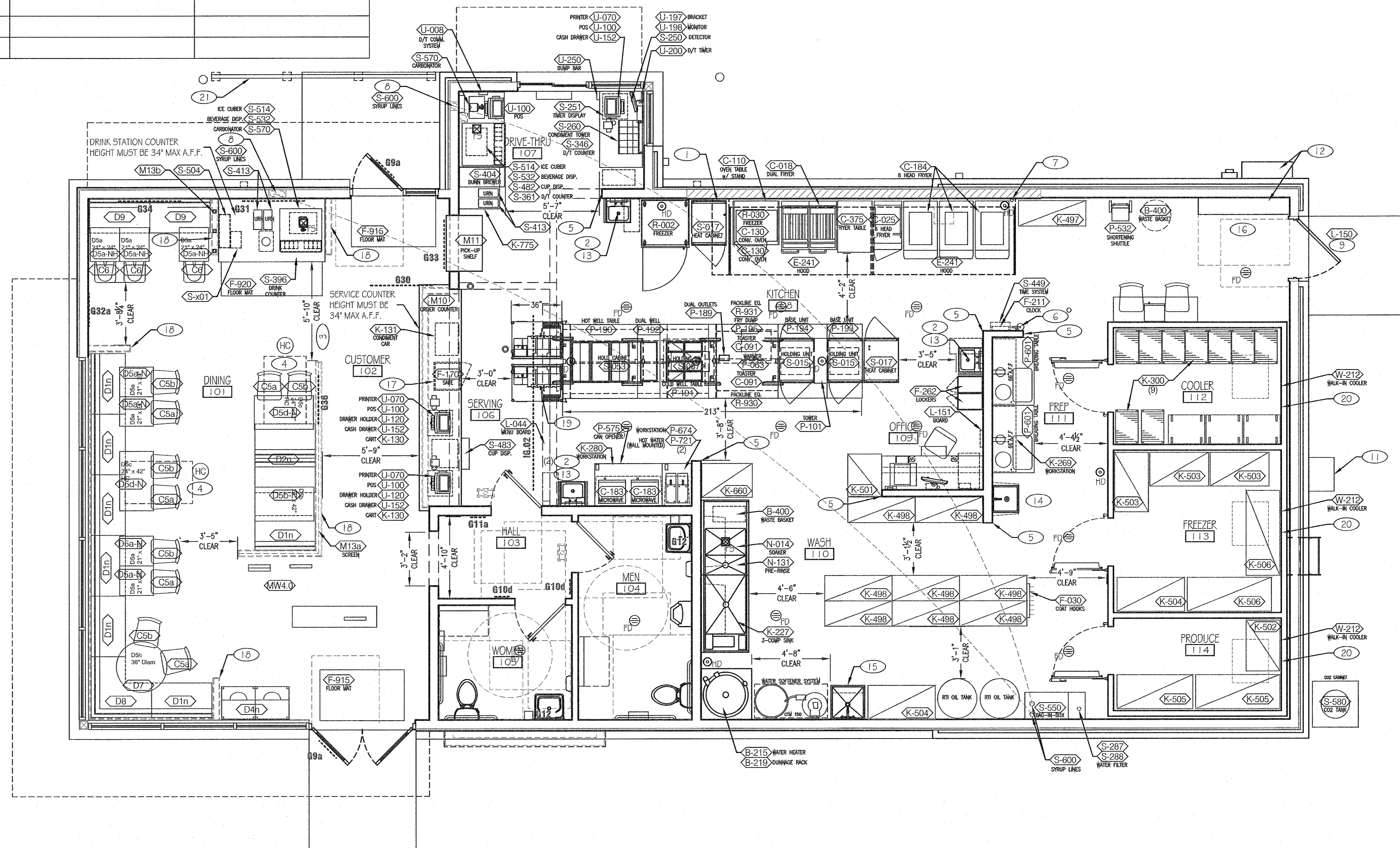
TAG	QTY.	DESCRIPTION	VENDOR/MANUF.	ITEM/DECOR VENDOR #	REMARKS
C5a	5	DARK WOOD/RED TIE DINING CHAIR	UHS GROUP LTD.	SITULA DARK CHAIR - K31109-0285	
C5b	5	LIGHT WOOD/BLACK TIE DINING CHAIR	UHS GROUP LTD.	SITULA DARK CHAIR - K31109-0284	
D7	1	36" RED ROUND TABLE	FCI	REFER TO KFC TABLE SPEC D5H - NEW FINISHES	
D5b-N	1	4-TOP TABLE	FCI	REFER TO KFC TABLE SPEC D5B - NEW FINISHES	
D5d-N	2	4-TOP TABLE (ACCESSIBLE)	FCI	REFER TO KFC TABLE SPEC D5C - NEW FINISHES	
D5a-N	4	2-TOP TABLE	FCI	REFER TO KFC TABLE SPEC D5A - NEW FINISHES	
D5a-NP	3	HIGH 2-TOP TABLE	FCI	REFER TO KFC TABLE SPEC D5A - NEW FINISHES	
C6	3	BAR STOOL	UHS GROUP LTD.	TAG STUDIO STOOL	
C7	6	OUTDOOR DINING CHAIR	FCI	JETTY SIDE CHAIR - 1011-0053	
C8	2	OUTDOOR DINING BENCH	FCI	MULTIPLICITY STRAIGHT BENCH	
D10	3	EXTERIOR 2-TOP TABLE	FCI	CANTENA MARNEAUX OUTDOOR TABLE	UMBRELLAS PROVIDED BY SUPPLIER
D11	1	OUTDOOR COMMUNITY TABLE	FCI	MULTIPLICITY TABLE	UMBRELLA PROVIDED BY SUPPLIER
D12	1	OUTDOOR SINGLE TRASH UNIT	FCI		
D1n	7	SINGLE SIDED BOOTH	FCI	REFER TO KFC BOOTH SPEC D1 - NEW FINISHES	SINGLE 43" SANDERS - MODIFIED
D2n	1	DOUBLE SIDED BOOTH	FCI	REFER TO KFC BOOTH SPEC D2 - NEW FINISHES	DOUBLE 43" SANDERS - MODIFIED
D4n	1	TRASH UNIT - DOUBLE	FCI	REFER TO KFC TRASH UNIT SPEC	
D9	2	BAR HEIGHT BANQUETTE SECTIONS	FCI	43" W SECTIONS	
D8	1	CORNER BANQUETTE SECTION	FCI	43" X 43" OUT-TO-OUT	
M10	1	ORDER COUNTER ASSEMBLY	FCI		
M12	1	KIOSK TABLE	FCI		
M11	1	PICK-UP SHELF	FCI		
M13a	1	L-SHAPED WALL GLASS SCREEN			
M13b	3	METAL POST DIVIDERS			

ALL FURNITURE FREE STANDING STYLE UNLESS UNAVAILABLE

- REFER TO SCOPE OF WORK FOR RESPONSIBILITIES.
- SEE SHEET 3.4 FOR ENLARGED RESTROOM PLAN.
- (HC) - SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.
- REFER DECOR SUPPLIER DRAWINGS FOR FINISHES, DIMENSIONS and DETAILS OF DECOR VENDOR SUPPLIED ITEMS. SEE SEATING LEGEND ON THIS SHEET FOR REFERENCE ONLY - VERIFY WITH SUPPLIER.
- REFER TO SHEET 10.2 FOR EQUIPMENT TAG REFERENCES.
- PROVIDE 2x4 WOOD BLOCKING FOR SHELVING AND HAND SINKS (TYP.)
- REFER TO SHEET 5.1 FOR INTERIOR GRAPHICS; REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION.

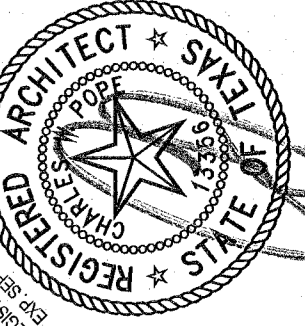
* THE NUTRITION MATERIALS (ACRYLIC HOLDER, NUTRITION POSTER AND BRAND NUTRITION BROCHURES) ARE PART OF A NEW RESTAURANT'S GRAND OPENING KIT AND ARE PROVIDED BY YUM FORMS - VERIFY WITH OWNER.

- HOOD FIRE SUPPRESSION SYSTEM; SEE SHEET MECH.
- SPLASH GUARD at HAND SINK; SEE DETAIL 6/4.6.
- MAINTAIN 44" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
- 30" x 48" CLEAR FLOOR SPACE FOR HANDICAP ACCESS.
- S.S. CORNERGUARD / WALL CAP. TYPICAL AT ALL CORNERS FROM REAR WALL TO KITCHEN SIDE OF SERVICE COUNTER. SEE DETAIL 14/4.4.
- PULL STATION @ 3'-8" A.F.F. (REFER TO PLUMBING)
- GAS LINE DOWN TO EQUIPMENT; SEE PLUMBING.
- PVC CHASE (QTY. 2) FOR SYRUP / FILTERED WATER TUBE BUNDLE. COORDINATE w/ 8" x 12" WALL OPENING IN DINING AND DRIVE-THRU; SEE 7.8/9/4.6.
- SEE SHEET 5.1.1 FOR SECURITY DOOR PACKAGE.
- NOT USED.
- GAS METER. REFER TO MEP DRAWINGS
- SWITCHGEAR / ELECTRIC PANELS; REFER TO ELECTRICAL DRAWINGS.
- B-241 B-251 B-290 B-405 N-053 N-133 N-150
- B-620 N-024
- B-590 N-071 N-202
- CLEAR FLOOR AREA IN FRONT OF ELECTRICAL PANELS; VERIFY MINIMUM ALLOWABLE CLEARANCE WITH LOCAL CODE.
- SAFE. SEE DETAIL 4/4.6.
- GC-BUILT LOW WALLS. SEE SHEET 3.1.
- MODULAR PACK-LINE (M-LINE). COORDINATE EQUIPMENT ORDER WITH EQUIPMENT VENDOR.
- ONE REFRIGERATED UNIT, DIVIDED TO CREATE THREE UNITS- (1) CHICKEN COOLER, (1) PRODUCE COOLER & (1) FREEZER.
- EXTERIOR RAILINGS. SEE CIVIL & SHEET 2.10



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

MAY 18 2022

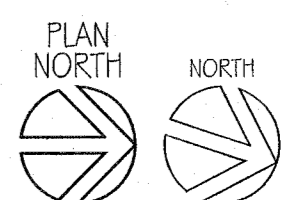


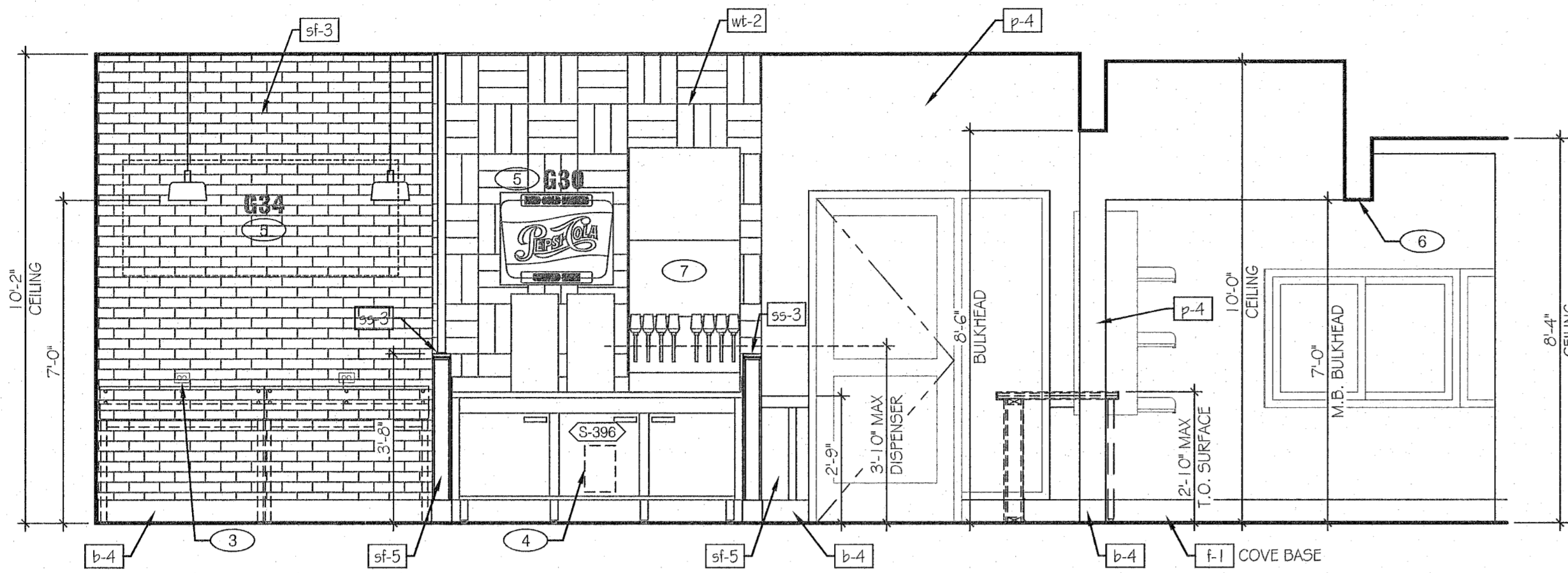
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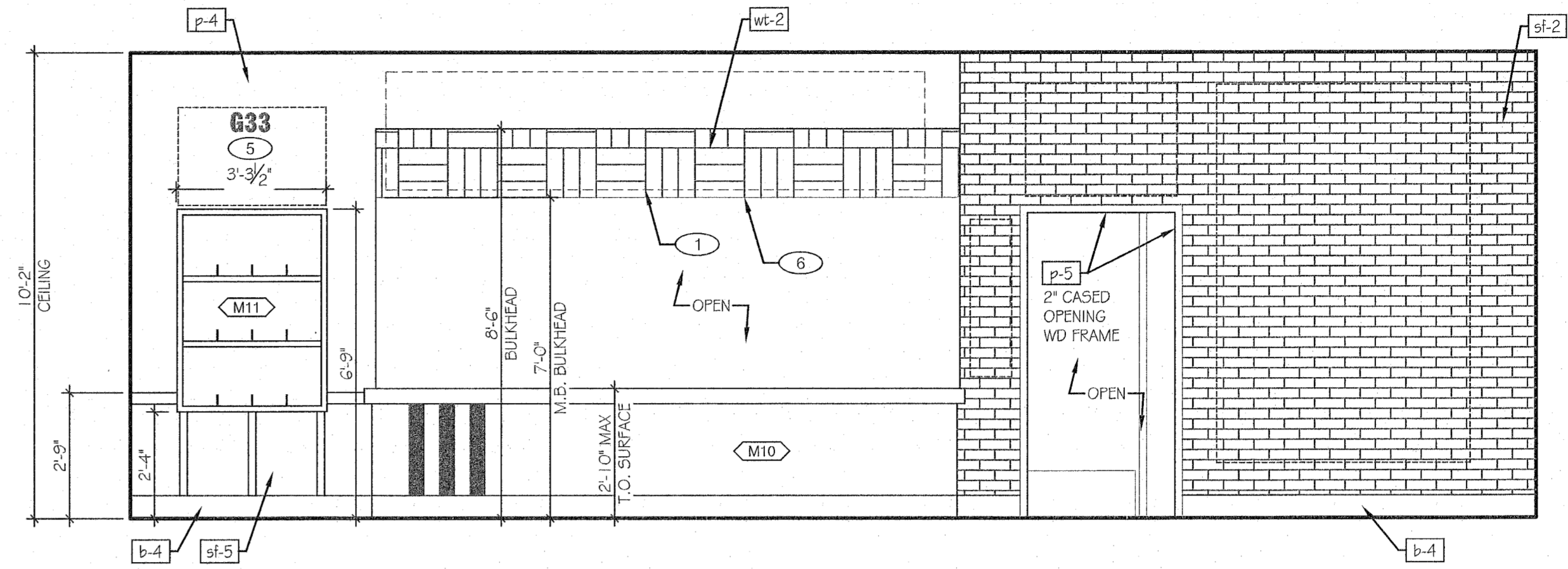
10.1

OF

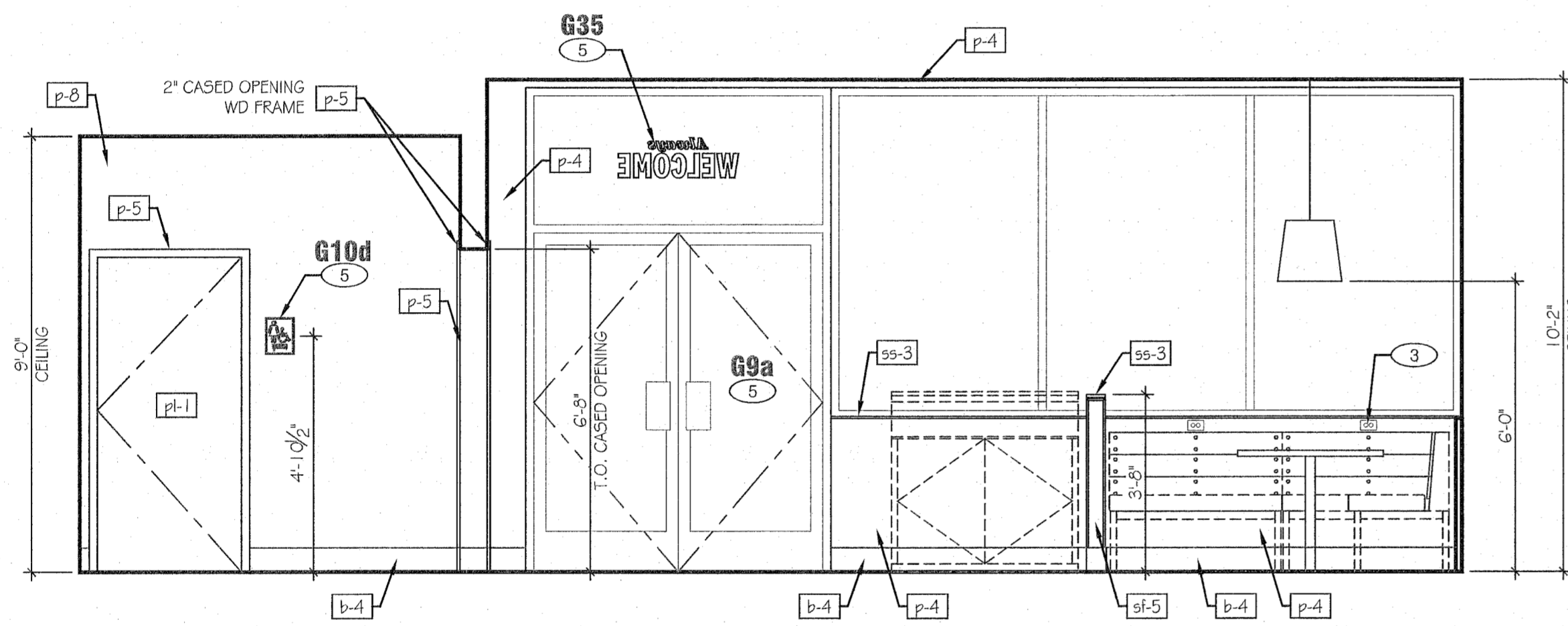




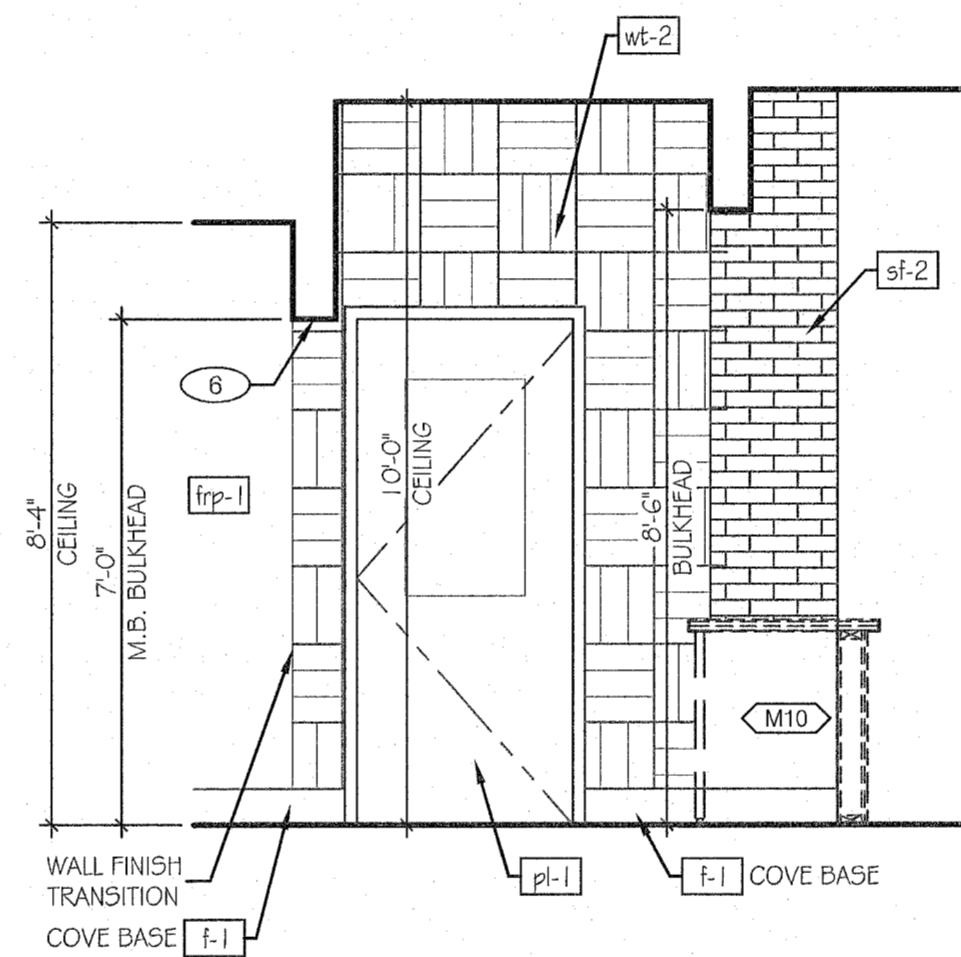
1 DINING / SERVING
SCALE: 3/8" = 1'-0"



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



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



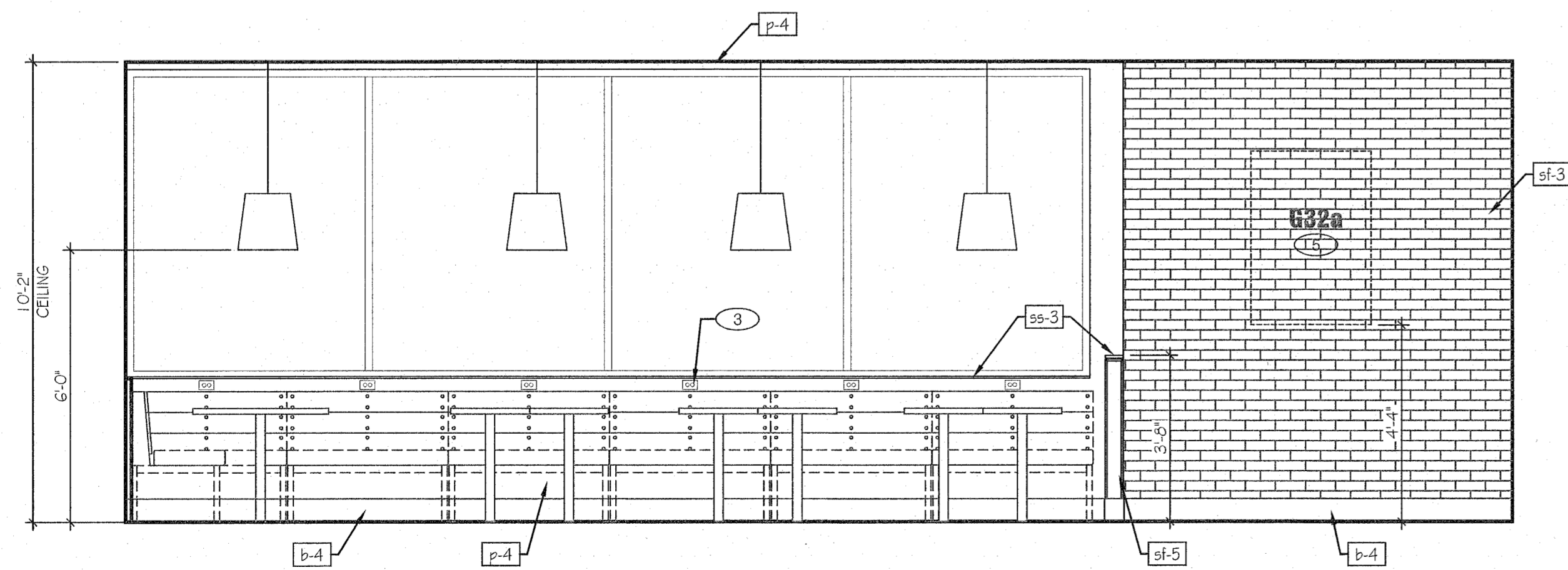
4 SERVING
SCALE: 3/8" = 1'-0"

GENERAL NOTE:

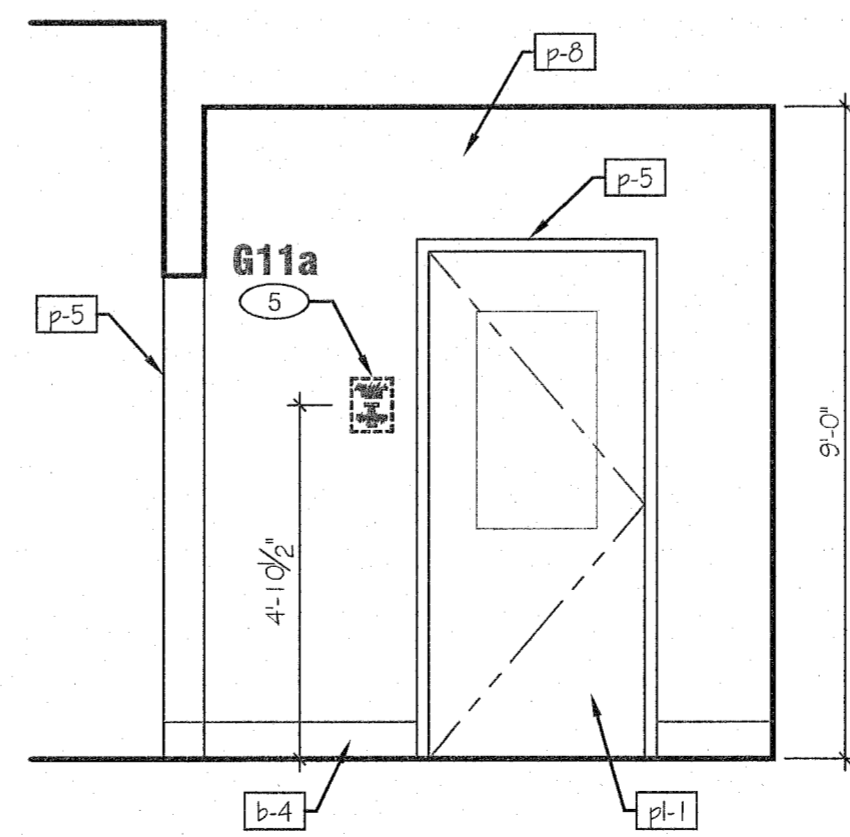
1. PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS / EQUIPMENT ABUT WALL SURFACES. WHERE GAP BETWEEN WALL AND COUNTER SPLASH / EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE.
2. FOR MILLWORK REFERENCE INFORMATION, REFER TO SCHEDULE D ON SHEET A2.0.

KEY NOTES:

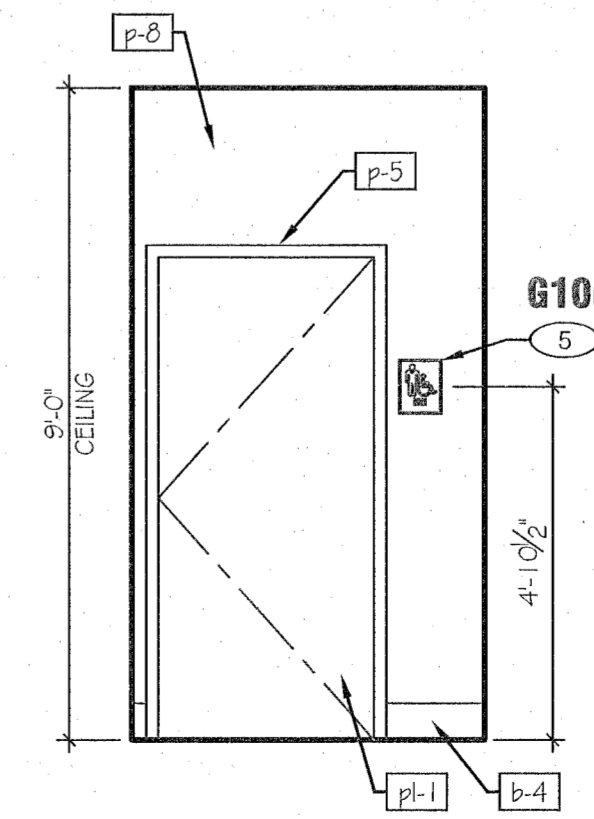
- 1 MENU BOARD; SEE SCOPE OF WORK.
- 2 NOT USED.
- 3 DUPLEX OUTLET ABOVE BANQUETTE. COORDINATE WITH MILLWORK. REFER TO ELECTRICAL PLANS.
- 4 8" x 12" OPENING FOR SYRUP / FILTERED WATER TUBE BUNDLES. SEE 7, 8, 9 / 4.6.
- 5 REFER TO ARTWORK SCHEDULE ON SHEET 5.1.2.
- 6 MENUBOARD BULKHEAD. SEE DETAIL 1/4.6.
- 7 DRINK STATION, PEPSI MACHINE; COORDINATE REACH HEIGHT / DEPTH WITH LOCAL CODE.



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



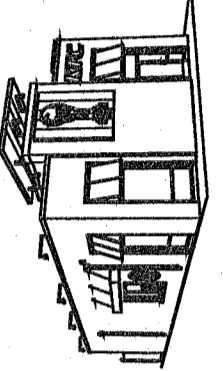
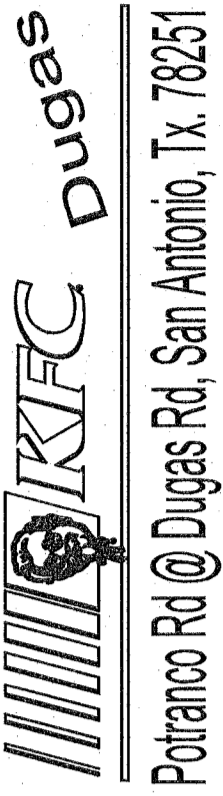
6 HALL
SCALE: 3/8" = 1'-0"



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

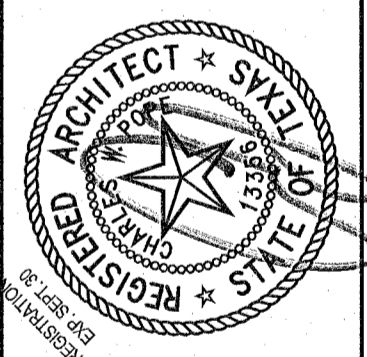
REVISIONS:

INTERIOR ELEVATIONS



Potranco Rd @ Dugas Rd, San Antonio, Tx, 78251

MAY 18 2022

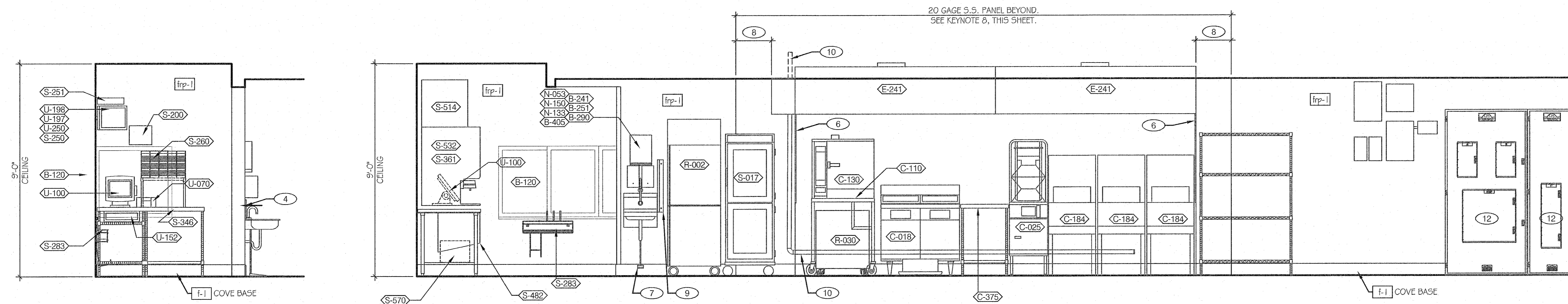


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DATE: 05.18.22
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SHEET NUMBER:

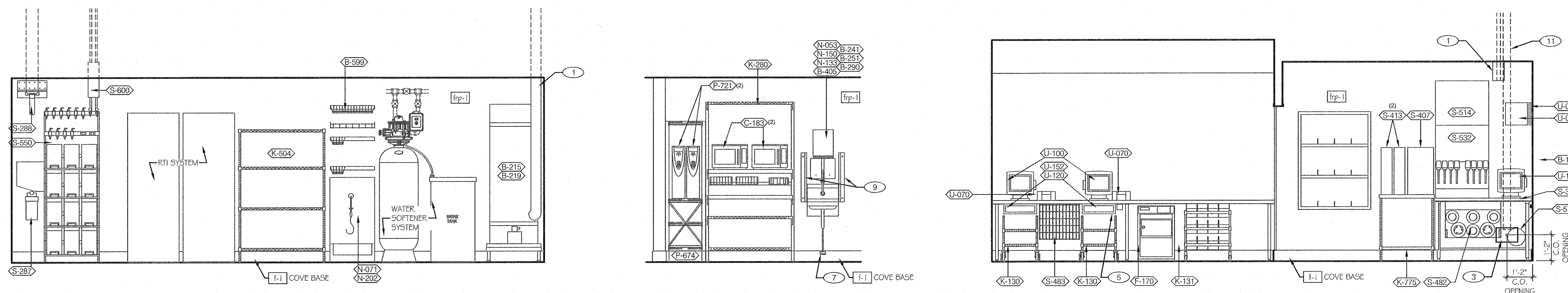
11.1

OF



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

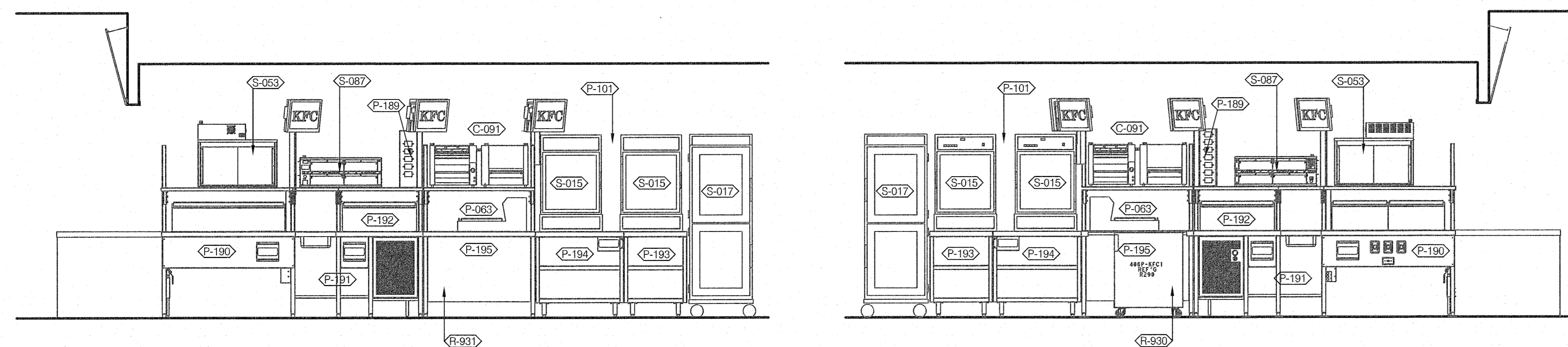
2 DRIVE-THRU / KITCHEN
SCALE: 3/8" = 1'-0"



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

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

5 SERVING / DRIVE-THRU
SCALE: 3/8" = 1'-0"

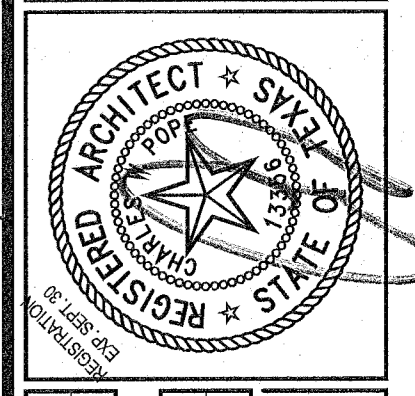


6 PACK LINE
SCALE: 3/8" = 1'-0"

7 PACK LINE
SCALE: 3/8" = 1'-0"

- 1 6" X 6" STAINLESS STEEL CHASE ALONG WALL FOR ICE MACHINE REFRIGERANT LINES: CEILING TO TOP OF ICE MACHINE; BY GENERAL CONTRACTOR.
- 2 ANSUL CABINET.
- 3 6" X 12" OPENING FOR SYRUP / FILTERED WATER TUBE BUNDLE. SEE 9/4.6.
- 4 S.S. CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 14/4.4.
- 5 HOLD-UP BUTTON; SEE ELEC.
- 6 S.S. END SKIRT.
- 7 HAND SINK FOOT PEDAL. SEE PLUMB.
- 8 EDGE OF 20 GAGE STAINLESS STEEL PANEL BEHIND HOOD. COORDINATE EXTENTS OF PANEL BEYOND HOOD WITH LOCAL CODE REQUIREMENTS.
- 9 S.S. SPLASH GUARD. SEE DETAIL 6/4.6.
- 10 GAS RISER. SEE PLUMB.
- 11 SYRUP / FILTERED WATER TUBE BUNDLES FOR DRINK SYSTEM.
- 12 ELECTRICAL PANELS.

MAY 18 2022



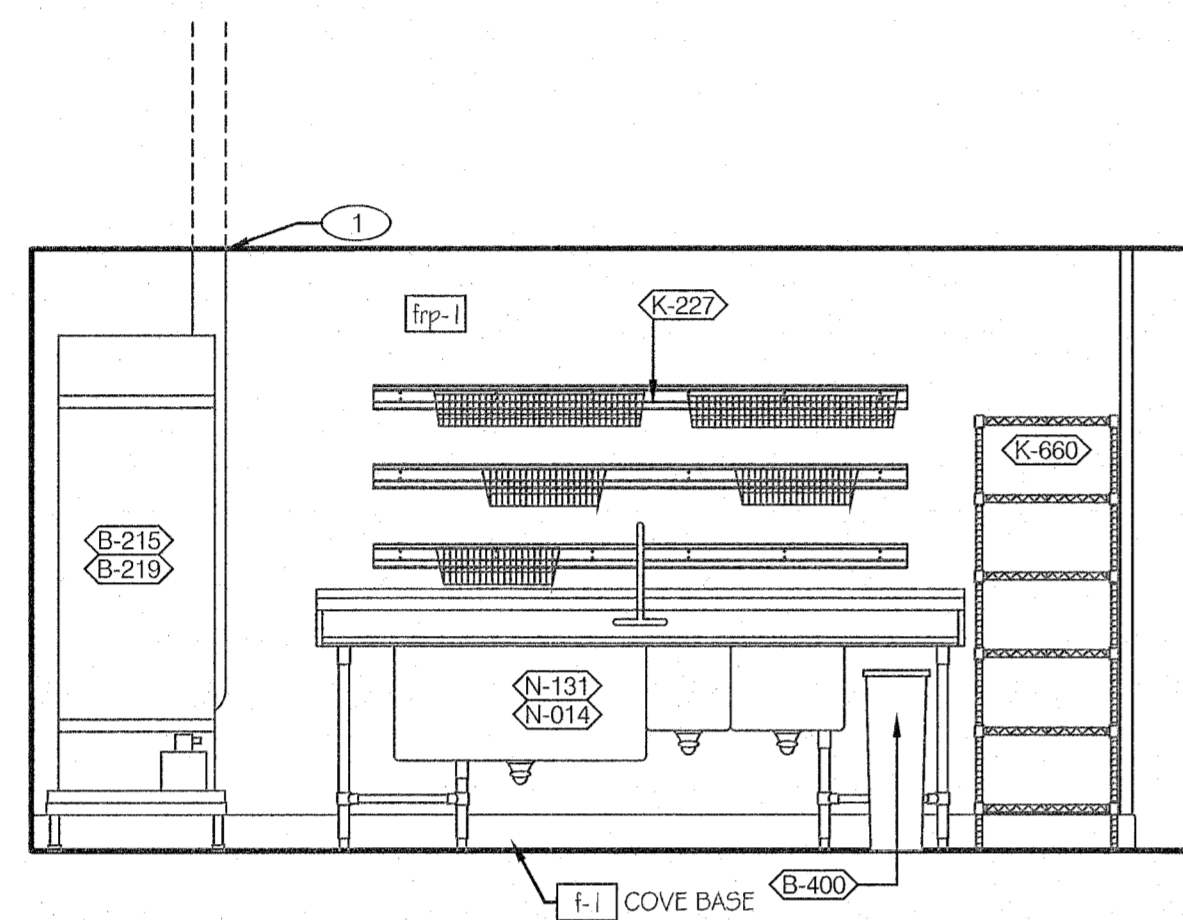
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7400 BLANCO RD., # 257, SAN ANTONIO, TX. 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: *[Signature]*
SHEET NUMBER:

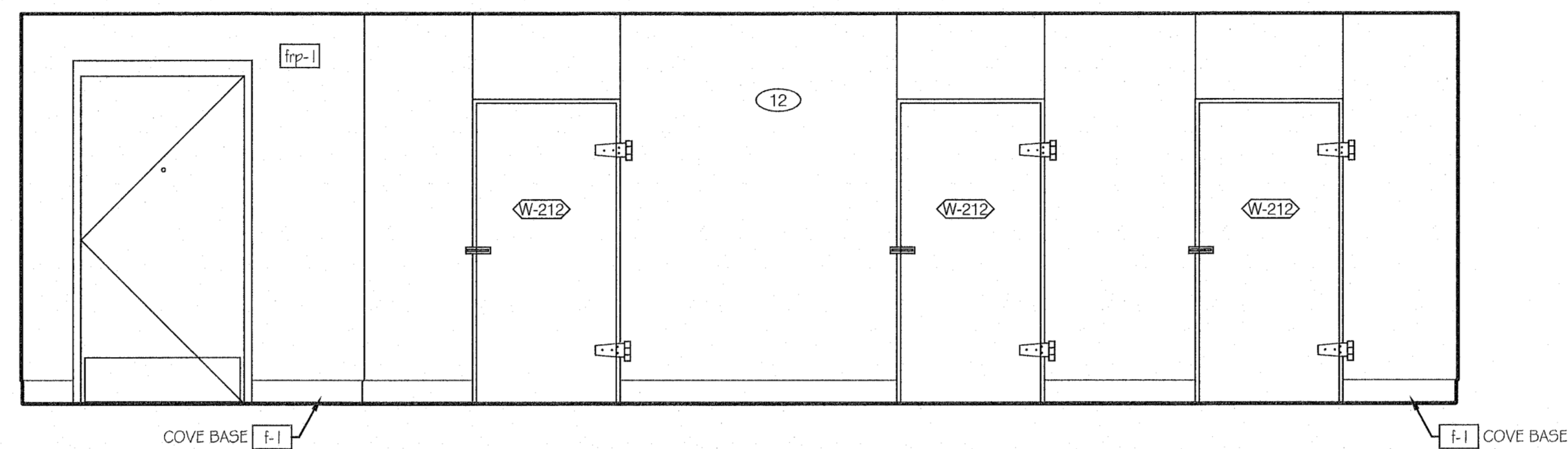
11.2
OF

INTERIOR ELEVATIONS
KFC Dugas
Potranco Rd @ Dugas Rd, San Antonio, Tx. 78251

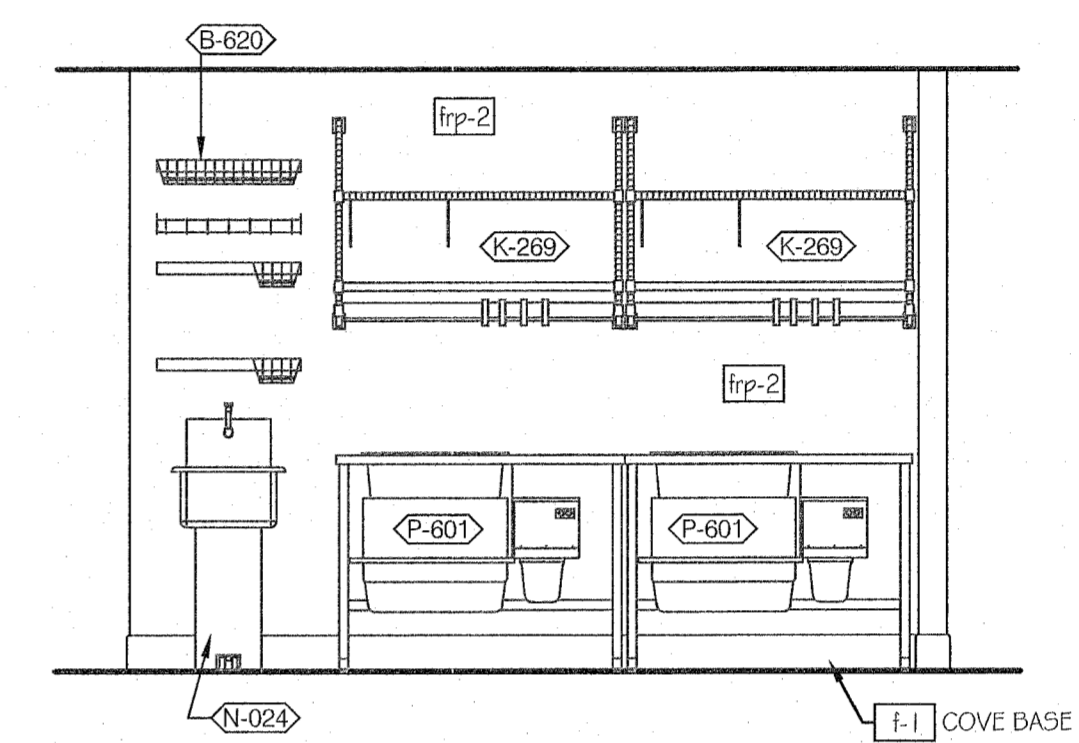
KFD-11_11 Interiors.dwg
3/8" = 1'-0"
32



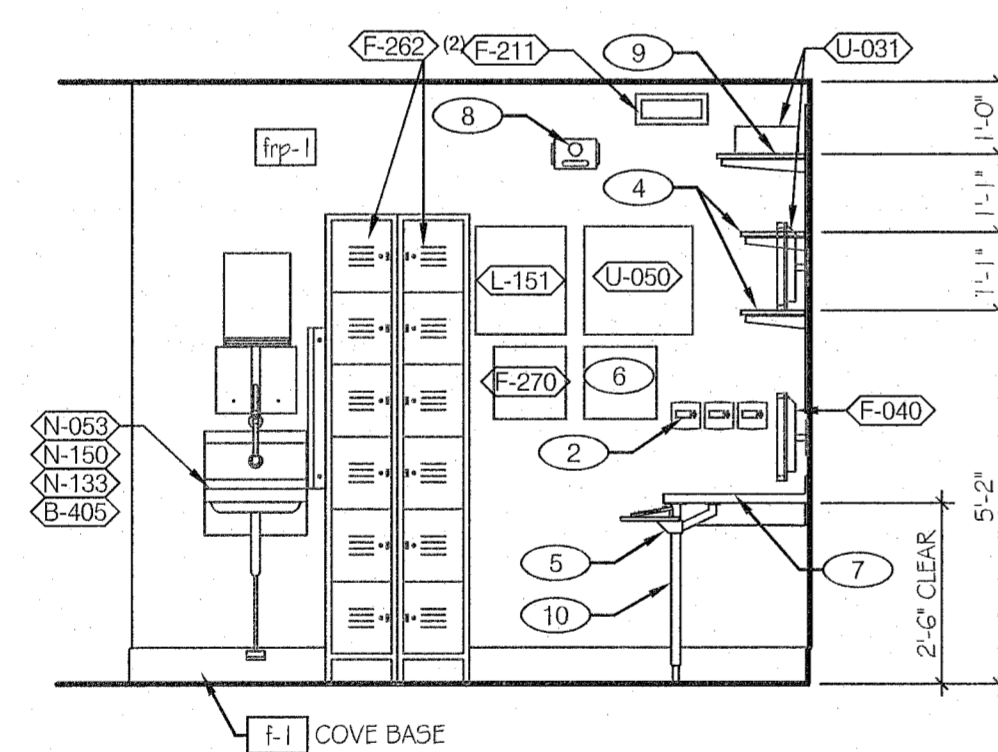
1 WASH
SCALE: 3/8" = 1'-0"



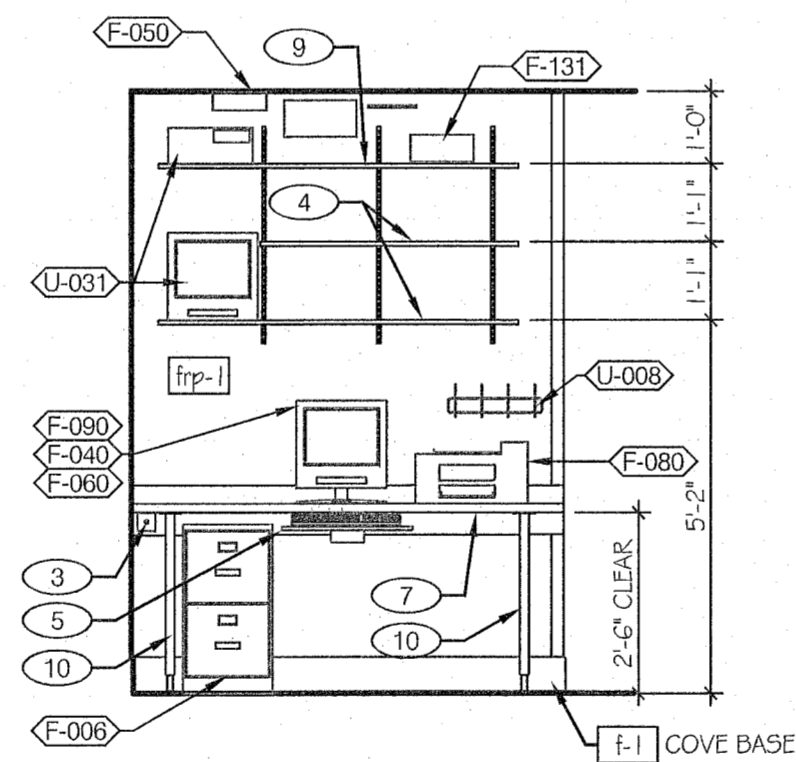
2 PREP
SCALE: 3/8" = 1'-0"



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



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

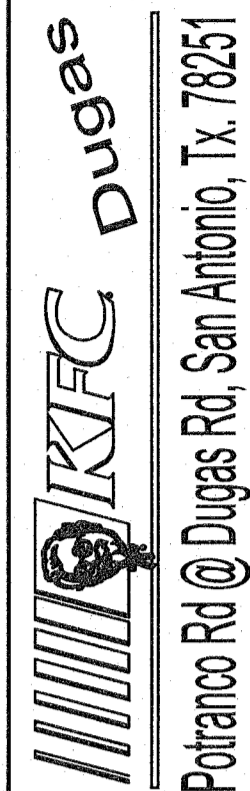


5 OFFICE
SCALE: 3/8" = 1'-0"

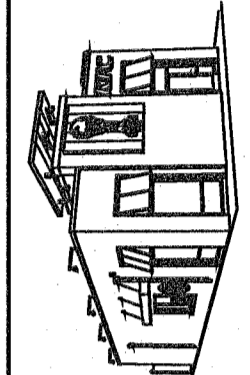
- 1 WATER HEATER VENT. SEE PLUMBING DRAWINGS.
- 2 THERMOSTAT BY (EMS) SUPPLIER.
- 3 HOLD UP BUTTON (SECURITY SYSTEM SUPPLIER).
- 4 12" DEEP WHITE MELAMINE SHELVING W/ 11.5" SHELF BRACKETS. SEE DETAIL 3/4.6.
- 5 UNDER COUNTER KEYBOARD TRAY.
- 6 12" x 12" PHONE DISTRIBUTION BOX. OWNER PROVIDED & INSTALLED.
- 7 1-1/2" LAMINATE COUNTERTOP W/ INTEGRAL SPLASH. SEE DETAIL 3/4.6 FOR SUPPORT SYSTEM; SEE SHEET 5.1.2 FOR FINISHES.
- 8 DATA CONCENTRATOR (ROUTER) BY (EMS) SUPPLIER. SEE SHEETS ELECT.
- 9 18" DEEP WHITE MELAMINE SHELVING @ TOP SHELF OVER MONITORS ONLY. SEE DETAIL 3/4.6.
- 10 S.S. COUNTERTOP SUPPORT LEG W/ ADJUSTABLE BASE (BY G.C.). QTY. 4.
- 11 NOT USED.
- 12 WALK-IN COOLER/FREEZER BOX.
- 13 TELEPHONE TERMINAL BOARD.
- 14 GROMMET. COORDINATE LOCATIONS WITH OWNER.
- 15 SCHLUTER SYSTEM - SCHIENE - RADIUS, R/AE100, 3/8", SATIN ALUMINUM.
- 16 LINE OF TRANSITION FROM CEMENT BOARD TO GYPSUM BOARD SUBSTRATE. SEE WALL TYPE 7, SHEET A1.0.

REVISIONS:

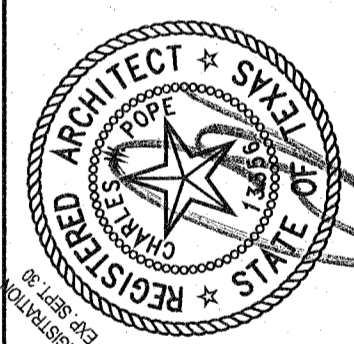
INTERIOR ELEVATIONS



Potrancu Rd @ Dugas Rd, San Antonio, Tx, 78251



MAY 18 2022



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7408 BLANCO RD., # 257, SAN ANTONIO, TX, 78216

DATE: 05.18.22
JOB NO: 44343
DRAWN BY: CRB
SHEET NUMBER:

11.3

OF

TB / KFC / PH OWNER / G.C. RESPONSIBILITIES					Updated: April 2018
ITEM	OWNER PROVIDED	OWNER INSTALL	G. C. PROVIDED	G. C. INSTALL	COMMENTS
BUILDING EXTERIOR SIGNAGE					
TO BE DELIVERED TO SIGN YARD NOT JOBSITE					
LOGO/GRAPHICS FOR TOWER PANEL - see elevations	X	X			BY SIGN CONTRACTOR - Contracted by Owner
CHANNEL LETTERS - see elevations	X	X			BY SIGN CONTRACTOR - Contracted by Owner
EXTERIOR WALL GRAPHICS & LOGOS - see elevations	X	X			BY SIGN CONTRACTOR - Contracted by Owner
SPECIALTY PARPET SIGNAGE - see elevations	X	X			BY SIGN CONTRACTOR - Contracted by Owner
TOWER FEATURE LID (KFC) CANOPY	X	X			BY SIGN CONTRACTOR - Contracted by Owner
DRIVE THRU CANOPY - see site plan	X	X			BY SIGN CONTRACTOR - Contracted by Owner
(KFC) SHUTTER AWNINGS - see elevations	X	X			BY SIGN CONTRACTOR - Contracted by Owner
ADDRESS NUMBERS			X	X	PER FIRE DEPARTMENT
SITE SIGNAGE & LIGHTING					
PARKING LOT LIGHTING			X	X	
MONUMENT -OR- POLE SIGNAGE	X	X			BY SIGN CONTRACTOR - Contracted by Owner
CONCRETE FOOTING FOR MONUMENT -OR- POLE SIGNAGE	X	X			BY SIGN CONTRACTOR - Contracted by Owner
BUILDING EXTERIOR LIGHTS					
CANOPY LIGHTS	X	X			BY SIGN CONTRACTOR - Contracted by Owner
LED STRIP LIGHTS (Taco Bell)	X			X	
EXTERIOR EMERGENCY EXIT LIGHTS			X	X	
EXTERIOR WALL SCONCE WALL PACK	X			X	
EXTERIOR WALL FLOOD LIGHT "FL1"	X			X	
EXTERIOR LIGHTING CONTROL PANEL			X	X	
BUILDING INTERIOR LIGHTS					
DROP PENDANT LIGHTING	X			X	
TRACK LIGHTING	X			X	
ALL GENERAL LIGHT FIXTURES			X	X	
DRIVE-THRU					
DRIVE-THRU DETECTOR LOOPS	X			X	
ORDER POINT CANOPY	X	X			BY SIGN CONTRACTOR - Contracted by Owner
DRIVE THRU SPEAKER STAND	X	X			BY SIGN CONTRACTOR - Contracted by Owner
DRIVE-THRU MENU BOARDS	X	X			BY SIGN CONTRACTOR - Contracted by Owner
LOW CLEARANCE BAR	X			X	BY SIGN CONTRACTOR - Contracted by Owner
ORDER CONFIRMATION BOARD	X			X	BY SIGN CONTRACTOR - Contracted by Owner
CONCRETE FOOTING FOR ORDER POINT CANOPY			X	X	BOLT PATTERN PROVIDED BY OWNER - sign vendor
CONCRETE FOOTING FOR DRIVE THRU SPEAKER STAND			X	X	BOLT PATTERN PROVIDED BY OWNER - sign vendor
CONCRETE FOOTING FOR DRIVE THRU MENU BOARDS			X	X	BOLT PATTERN PROVIDED BY OWNER - sign vendor
CONCRETE FOOTING FOR LOW CLEARANCE BAR			X	X	BOLT PATTERN PROVIDED BY OWNER - sign vendor
CONCRETE FOOTING FOR ORDER CONFIRMATION BOARD			X	X	BOLT PATTERN PROVIDED BY OWNER - sign vendor
BOLLARDS @ BUILDING			X	X	
DRIVE-THRU WINDOWS					
PASS THRU (DRIVE-THRU) WINDOW	X			X	
DRIVE-THRU WINDOW TRANSOMS & SIDE LITES			X	X	MATCH DRIVE THRU WINDOW
FLY FANS W/ MICRO SWITCHES			X	X	(IF SHOWN ON PLANS)
MISCELLANEOUS					
HVAC UNITS			X	X	
ROOF LADDER			X	X	

TB / KFC / PH OWNER / G.C. RESPONSIBILITIES					Updated: April 2018
ITEM	OWNER PROVIDED	OWNER INSTALL	G. C. PROVIDED	G. C. INSTALL	COMMENTS
WALK-IN COOLER / FREEZER					
WALK-IN COOLER/FREEZER			X	X	CEILING HEIGHT TO BE 8'-6" CLEAR
WALK-IN LIGHT FIXTURES			X	X	
CONDENSATE LINES			X	X	
LOW TEMP / DEFROST TIMER	X	X			
START-UP			X	X	
EXHAUST HOODS & FANS					
RETHEMALIZER HOOD (Taco Bell)	X			X	
FIRE SUPPRESSION PRE-PIPING	X			X	
ANSUL SYSTEM			X	X	(PRE-PLUMMED - CHARGE & STARTUP BY GC)
GREASE DUCTS / FIRE WRAP			X	X	
BATHROOM EXHAUST FANS			X	X	
PLUMBING/TOILET ACCESSORIES					
GRAB BARS			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
MIRRORS			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
PAPER TOWEL DISPENSER			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
SOAP DISPENSER - 2 EA	X	X			
TOILET PAPER DISPENSER			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
SANITARY NAPKIN DISPOSAL			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
TRASH RECEPTACLE - 2 EA			X	X	SEE SHEET 3.4 INTERIOR ELEVATIONS & TOILET PLAN
MOP SINK SINK STATION			X	X	
CLOSET RACK	X			X	
HOT WATER HEATER			X	X	
FAUCETS FOR ALL SINKS IN KITCHEN AND RESTROOMS			X	X	SEE MEP SPECIFICATIONS
INTERIOR MENU BOARDS					
INTERIOR MENU BOARDS	X	X			PROVIDE ELECTRICAL FOR DIGITAL MENU BOARDS
INTERIOR MENU BOARDS - J-Box & Fianl Connections			X	X	
STAINLESS STEEL ITEMS					
KITCHEN CORNER GUARDS			X	X	
SS WALL PANELS BEHIND HOODS			X	X	
KITCHEN EQUIPMENT					
COOKING EQUIPMENT	X			X	TO BE UNLOADED BY G. C.
SHELVING / WORK STATIONS	X			X	
3 COMP. PWR SOAK SINK W/ FAUCET-1 EA	X			X	
1 COMP. SINK W/ FAUCET- 1 EA	X			X	
HAND SINKS W/ FAUCETS & FT PEDALS	X			X	
FOOD PREPARATION ITEMS	X			X	
SERVING & DRIVE-THRU ITEMS	X			X	
STAND ALONE COOLERS & FREEZERS	X			X	
COFFEE EQUIPMENT	X			X	
ICE MACHINES START-UPS	X			X	CONTRACTOR INSTALLS CONDENSERS AND MACHINES
ICE MACHINE LINES	X			X	
HME & POS SYSTEMS	X	X			CONDUIT & WIRE BY VENDOR
SMALL WARES	X	X			
ICE TEA EQUIPMENT	X	X			BY VENDOR
SPECIALTY DRINKS (IF SHOWN)	X	X			BY VENDOR
SEATING & DÉCOR					
CORE DRILLING FOR BOOTHS & TABLES			X	X	TO BE UNLOADED BY G. C. (MAY BE FREESTANDING)
BOOTHS, TABLES & CHAIRS	X			X	
DIVIDER & HALF WALLS - AT SEATING	X			X	
CABINETS & DRINK STATION	X			X	
(KFC & TACO BELL) SERVICE COUNTER AND TOP	X			X	
(PIZZA HUT) SERVICE COUNTER & TOP			X	X	
WALL GRAPHICS	X			X	
DINING ROOM CEILING DÉCOR FEATURE ("CLOUD") - IF SHOWN	X			X	
DINING & BATHROOM FINISHES					
DINING ROOM WAINSCOT	X			X	
WINDOW SILLS	X			X	
WOOD CHAIR RAIL	X			X	
DRINKSTATION WALL PANEL	X			X	
DINING & BATHROOM FLOOR TILE & BASE			X	X	
BATHROOM WALL TILE			X	X	
KITCHEN FLOOR TILE / BASE			X	X	
WALL TILE BEHIND COUNTER			X	X	
MISCELLANEOUS					
FIRE ALARM SYSTEM			X	X	COORDINATE w/ OWNER'S VENDOR
HOT WATER HEATER			X	X	
FIRE EXTINGUISHERS			X	X	PROVIDE THREE (3) LOCATE PER FIRE MARSHAL
SECURITY SYSTEM	X	X			
SECURITY CAMERAS	X	X			
MUSIC SYSTEM	X	X			
B. F. PREVENTERS FOR DRINK STATIONS	X	X			
TELEPHONE SYSTEM	X	X			CONTRACTOR TO PROVIDE CONDUIT DROPS IN WALLS
SAFE	X	X			
REGISTERS, POS, & COMPUTERS	X	X			
R/O WATER	X			X	
FILTERS FOR PEPSI DRINK STATIONS	X			X	

DECOR NOTE:
ALL FURNITURE TO BE FREESTANDING UNLESS UNAVAILABLE

