- COORDINATE LOCATION OF ELECTRICAL CONDUIT THROUGH FOUNDATION WITH STRUCTURAL DRAWINGS. FOR TRENCH AND BACKFILL, SEE DETAIL C1.1-6.
- DIRECTIONAL DRILL 250 $\pm$  LF OF 2 $^{"}$  DR11 HDPE PIPE FOR ELECTRICAL CONDUIT. DIRECTIONAL DRILL HDPE PIPE IN ACCORDANCE WITH ASTM F1962.
- OIL INTERCEPTOR. SEE PLUMBING SHEETS. SET LIDS FLUSH WITH FINISHED GRADE.
- SANITARY SEWER LATERAL. PIPE SHALL BE SDR35 PVC IN ACCORDANCE WITH ASTM D-3034. MINIMUM SLOPE SHALL BE 2%. MAINTAIN A MINIMUM OF 10' HORIZONTAL AND 18" VERTICAL SEPARATION FROM WATERLINE. FOR TRENCH AND BACKFILL, SEE DETAIL
- (12) COMPACT POWER PEDESTAL (5 TOTAL). SEE ELECTRICAL SHEETS FOR DETAIL. COORDINATE LOCATION WITH LOCATIONS OF EXISTING UTILITIES. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY
- LETTERS, "RESERVED," IN ACCORDANCE WITH STATE DOT SPECIFICATIONS.
- LOW VOLTAGE SUBSTATION. SEE ELECTRICAL SHEETS. FENCE AND CONCRETE PAD. SEE ARCHITECTURAL AND STRUCTURAL SHEETS.
- (16) EXISTING UTILITY TO REMAIN.

Compliance THE HOME DEPOT —PROPOSED IMPROVEMENTS SEE SITE PLAN, THIS SHEET 

REQUIREMENTS. CONTRACTORS MUST COMPLY WITH CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES. ALL REQUIRED CITY / COUNTY / STATE PERMITS SHALL BE ACQUIRED AND PAID FOR BY THE HOME DEPOT; ALL OTHER PERMITS SHALL BE SECURED AND PAID FOR BY THE GENERAL CONTRACTOR.

B. DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE NOT INTENDED. STATED DIMENSIONS TAKE PRECEDENCE OVER GRAPHICS. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS. THE CONTRACTOR IS TO CLARIFY ANY SUCH DISCREPANCIES WITH THE ENGINEER PRIOR TO COMMENCING

CONTRACTOR WITH ELECTRONIC DOCUMENTS FOR INFORMATIONAL PURPOSES. TH ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR THE USE OF SUCH FILES FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE INFORMATION CONTAINED IN SUCH FILES AS THEY MAY COMPARE TO THE INFORMATION ON THE SIGNED AND SEALED HARDCOPY DOCUMENTS.

WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF PLANS ON THE PREMISES IN GOOD CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE

SPECIFICATIONS FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. ALL ITEMS NOT MARKED AS 'OWNER SUPPLIED' ARE TO BE SUPPLIED BY THE GENERAL CONTRACTOR. UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE INSTALLED BY GENERAL

RIGHT OF WAY OR ADJOINING PROPERTIES. ALL SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH THE FLORIDA MUTCD. IF A MAINTENANCE OF TRAFFIC PLAN IS NECESSARY, THE PLANS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED WITH THE LOCALE OF THE PROJECT. MAINTENANCE OF TRAFFIC PLANS WHICH ARE NOT INCLUDED IN THIS SET OF DRAWINGS ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

UTILITIES SHOWN ARE TAKEN FROM RECORD PLANS AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR ON THE SITE SHOWN ON PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. HE CONTRACTOR SHALL BEARTHE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.

H. NO GEOTECHNICAL INFORMATION WAS AVAILABLE WHEN THESE PLANS WERE ARE ENCOUNTERED DURING CONSTRUCTION.

grading notes

THE INFORMATION DEPICTED ON THESE CONSTRUCTION DOCUMENTS IS AS ACCURATE AS POSSIBLE WITH BEGARD TO THE INFORMATION PROVIDED BY RECORD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING GRADES PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE AND THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS

ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR EXISTING LINE AND GRADE,

UNLESS OTHERWISE NOTED. NO SLOPE SHALL BE GREATER THAN 1V:2H. SLOPES GREATER THAN 1V:2H MUST BE AN ENGINEERED SLOPE OR CONTOURED UTILIZING A RETAINING WALL OR OTHER APPROVED STRUCTURAL MEANS. THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF A DISCREPANCY IS FOUND IN THE FIELD WHICH CREATES A SCOPE CONDITION THAT EXCEEDS 1V:2H. FAILURE TO CONTACT THE ENGINEER PRIOR O COMMENCING WORK WILL RESULT IN CORRECTIVE MEASURES AT THE CONTRACTORS EXPENSE.

INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITIES.

NO LAND DISTURBANCE ACTIVITIES SHALL BE PERFORMED OFF-SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJACENT PROPERTY OWNER AND LOCAL

EXISTING GRADES SHALL BE MATCHED WITHIN THE LEGAL BOUNDARY UNLESS OTHER PROVISIONS HAVE BEEN MADE.

G. SOILS IMPORTED INTO THE SITE FOR STRUCTURAL FILL SHALL BE CLEAN AND FREE OF ORGANIC MATERIALS.

H. CONTRACTOR TO ADJUST AND/OR RECONSTRUCT TO PROPOSED GRADE ALL MANHOLES, CLEANOUTS, VALVES, VAULTS, GREASE TRAPS, AND ALL OTHER UTILITY APPURTENANCES AS NEEDED. SEE THE GRADING PLAN FOR PROPOSED GRADING

### demolition notes

ALL MATERIAL, EXCEPT THAT BELONGING TO A PUBLIC UTILITY COMPANY OR AS IDENTIFIED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR.

- CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES THAT ARE INTENDED TO PROVIDE SERVICE WHETHER SHOWN ON THE PLANS OR NOT. EXISTING UTILITIES AND TOPO LOCATIONS ARE BASED ON RECORD PLANS. THE
- CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATION WHETHER SHOWN ON PLANS OR NOT. PRIOR TO INITIATING DEMOLITION WORK, THE CONTRACTOR SHALL DEVELOP A DIGITAL PHOTOGRAPH AND/OR VIDEO RECORD OF THE EXISTING STRUCTURES AND
- SURROUNDING PROPERTIES. THE RECORD SHALL INCLUDE CONDITIONS OF EXISTING STREETS AND ADJACENT PROPERTIES. ONE COPY OF THE PHOTOGRAPH AND/OR VIDEO RECORD SHALL BE PROVIDED TO THE OWNER AND ONE TO THE ENGINEER OF
- ALL DEBRIS FROM DEMOLITION, NOT BEING REUSED, SHALL BE HAULED OFF SITE AND DISPOSED OF BY LEGAL MEANS.
- CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY FENCE. 6 FOOT MINIMUM HEIGHT, FOR THE DURATION OF ALL DEMOLITION PHASES. UPON COMPLETION OF DEMOLITION PHASES, FENCE MAINTENANCE SHALL BE RESPONSIBILITY OF THE SITE
- CONTRACTOR SHALL NOT RESTRICT ACCESS TO ADJOINING PROPERTIES DURING DEMOLITION OR CONSTRUCTION. ACCESS SHALL BE MAINTAINED SO AS NOT TO INTERRUPT NORMAL OPERATIONS OF ADJACENT FACILITIES.
- CONTRACTOR SHALL NOT ALLOW ANY UTILITY OR SERVICES TO THE NEIGHBORING PROPERTY(S) TO BE INTERRUPTED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE RESPECTIVE OWNERS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL UTILITY SERVICES TO THE NEIGHBORING BUILDINGS. IF IT IS NECESSARY FOR CONNECTIONS TO BE INTERRUPTED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE EMPORARY SERVICES (I.E., GENERATORS, PORTABLE GAS TANKS, ETC.). THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL UTILITY ABANDONMENT AND REMOVAL WITH THE RESPECTIVE UTILITY COMPANIES.
- WORK CANNOT OCCUR OUTSIDE OF THE DEMOLITION LIMITS WITHOUT PRIOR CONSENT OF OWNER, ADJACENT OWNER, AND LOCAL JURISDICTION. ANY TEMPORARY EASEMENTS REQUIRED WHICH ARE NOT DEPICTED IN THE DRAWINGS SHALL BE THE CONTRACTORS RESPONSIBILITY.
- EROSION CONTROL PRACTICES MUST BE IN PLACE AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- GENERAL CONTRACTOR IS TO PRESENT LICENSING INFORMATION TO THE STATE ENVIRONMENTAL PROTECTION AGENCY THIRTY (30) DAYS PRIOR TO COMMENCEMENT

- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING INVERTS IN THE FIELD. IF ANY DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL CONTACT ENGINEER AND/OR OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT.
- THE GENERAL CONTRACTOR AND SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL DIVISIONS OF LABOR WITH THE REQUISITE UTILITY. ALL REQUIRED MATERIALS AND LABOR NECESSARY TO PROVIDE SERVICES FOR THE BUILDING SHALL BE INCLUDED IN THE BID, WHETHER SHOWN OR NOTED ON THE PLANS
- ROUTING OF DRY UTILITIES (GAS, ELECTRIC, TELEPHONE, AND/OR CABLE) ON THE PLAN ARE SCHEMATIC. THE EXACT ROUTING, SIZES, ORIGINS OF SERVICE, ALL STANDARDS AND CODES SHALL BE VERIFIED WITH THE REQUISITE UTILITY PROVIDER AND COORDINATED WITH OTHER ON-SITE IMPROVEMENTS.
- PRIMARY AND SECONDARY ELECTRICAL SERVICE WORK SHALL BE PROVIDED PER ALL STATE AND LOCAL CODES, POWER COMPANY, N.F.P.A., AND N.E.C. STANDARDS AND COORDINATE WITH THE POWER COMPANY TO VERIFY THE FINAL TRANSFORMER LOCATION, SIZE, ORIGIN OF SERVICE, AND ALL STANDARDS FOR WORK. SEE ARCHITECTURAL AND ELECTRICAL ENGINEERING SHEETS FOR SECONDARY WIRING

A. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AND LOCAL

C. IF REQUESTED BY THE PROJECT OWNER, WD PARTNERS MAY PROVIDE THE

APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY

GENERAL CONTRACTOR TO REFER TO THESE DOCUMENTS AS WELL AS ANY APPLICABLE

F. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL WHILE WORKING IN THE PUBLIC

PREPARED. THE PAVEMENT SECTIONS SHALL BE BASED UPON PROJECTS OF SIMILAR SIZE AND USE. WD PARTNERS ASSUMES NO LIABILITY FOR THE PAVEMENT SECTIONS THAT ARE SPECIFIED. CONTRACTOR TO NOTIFY OWNER IF ANY QUESTIONABLE SOILS

FOR CONSTRUCTION DETAILS NOT SHOWN. USE THE MANUFACTURER'S APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND LOCAL REGULATIONS.

ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN CONFORMANCE WITH THE FLORIDA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

HDPTR0156

7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T

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TRC BUILD IN

LAKE CITY, FL 32025



**ISSUE DATES** 

REVISIONS

WD PROJECT NUMBER

BASE = 8" OF AGGREGATE BASE COMPACTED SUBGRADE = 12" STABILIZED SUBGRADE GRAVITY PIPE - SEE PLAN OR PROFILE PRESSURE PIPE BENEATH PAVING = 4'-0"PRESSURE PIPE BENEATH **CURB AND GUTTER NOTES** UNPAVED AREAS = 3'-0" SELECT MATERIAL A. SUBGRADE COMPACTION: COMPACT TO MINIMUM 98% RELATIVE COMPACTION. A. 3/4" EXPANSION JOINTS WITH BITUMINOUS SEALANT AT 30' MAXIMUM INTERVALS, AT B. BASE COURSE TO CONFORM TO FDOT STANDARD SPECIFICATIONS FOR HIGHWAY ALL RADII AND AT DRAINAGE STRUCTURES D=PIPE DIA CONSTRUCTION FOR BASE COURSE COMPACTED TO 98% OF THE MODIFIED PROCTOR B. PROVIDE #6 x 18" LONG, SMOOTH DOWELS AT ALL EXPANSION JOINTS Y=LINING (ASTM D-1557) MAXIMUM DRY DENSITY. C. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI . ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM D. LIGHT BROOM FINISH ON ALL SURFACES, ALL RADII TO BE TRUE ARCS. REQUIREMENTS OF THE CURRENT FDOT STANDARD SPECIFICATIONS. E.  $\frac{1}{4}$ " x 1  $\frac{1}{4}$ " CONTROL JOINTS AT 10' O.C. . NO GEOTECHNICAL INVESTIGATION HAS BEEN CONDUCTED FOR THIS PROJECT. THE F. PROVIDE (2) #6 x 2'-6" LONG BARS TO CONNECT EXISTING AND PROPOSED CURBS. ABOVE PAVEMENT SECTION IS BASED ON A PROJECT OF SIMILAR SIZE & TYPE. **BACKFILL SCHEDULE** SUITABLE MATERIAL SHOULD CONTAIN NO

## **<u>a</u>** concrete curb & gutter

ORIGINAL EDGE OF

**EXISTING PAVING** 

(SHOWN DASHED)

PROPOSED ASPHALT

PAVEMENT SECTION

AGGREGATE BASE

MATCH EXISTING

CONDITIONS

SEE DETAIL THIS

COURSE

REMOVE

EXISTING

**BITUMINOUS** 

PAVING

REMOVE EXISTING

TOP COURSE

BASE COURSE TO CONFORM TO FDOT STANDARDS FOR BASE COURSE COMPACTED TO 98% OF

ALL SUBGRADE AND PAVEMENT OPERATIONS AND MATERIALS SHALL MEET THE MINIMUM

THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY

REQUIREMENTS OF THE CURRENT FDOT ROADWAY DESIGN CRITERIA.

(FDOT 334)

(FDOT 204)

ASPHALT SEALER —

**EXISTING BITUMINOUS** 

PAVING. APPLY ASPHALT

PAVING —

SAW-CUT EXISTING

CEMENT (AC-20) TO

OF NEW PAVING. —

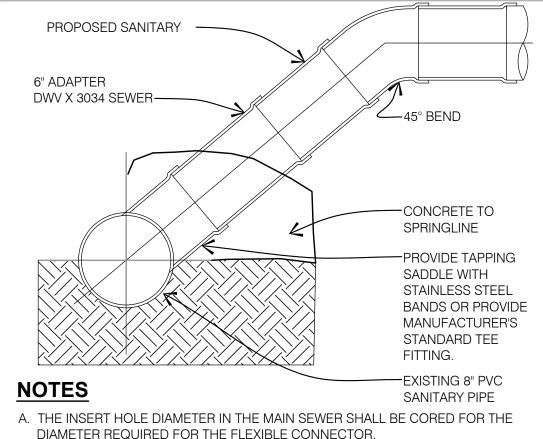
EXPOSED SURFACES

PRIOR TO PLACEMENT

AGGREGATE BASE —

COMPACTED SUBGRADE

OR STRUCTURAL FILL -



DIAMETER REQUIRED FOR THE FLEXIBLE CONNECTOR. B. BEGINNING OF BELL SECTION OF STUB PIPE TO BE FLUSH WITH END OF

FLEXIBLE CONNECTOR. pipe connection

C. STUB PIPE SHALL NOT EXTEND INTO MAIN SEWER AT ANY POINT.

DUCTILE IRON PIP

BEDROCK OR LEDO

DUCTILE IRON PIP

IN CLAYOR MUCK

RCP PIPE IN CLAY

PLASTIC-ALL

RCP PIPE IN

A. WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 95% PER KYTC 113-E. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT.

5. FOR ALL TRENCHES WITH A GRADE GREATER THAN 4' AND/OR WHERE GROUNDWATER IS

TYPE II, III TYPE III

TYPE II, III SAND

APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.

PASSING A 1/2" SQUARE OPENING. \*\* TYPE III MATERIAL SHALL BE CLEAN, HARD, CRUSHED STONE FREE FROM COATINGS AND THOROUGHLY WASHED WITH A GRADATION BY WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 0-5% PASSING A 1/4" SQUARE OPENING.

TO TOP OF PIPE)

HAND PLACED

AND COMPACTED

STONES GREATER THAN 4" IN DIAMETER,

NO FROZEN LUMPS, AND ONLY MINOR

MATERIAL. ALL MATERIAL TO BE PLACED

COMPACTED BEFORE PLACING NEXT LIFT

CONTAINING NO STONES GREATER THAN

11/2" IN DIAMETER, NO FROZEN LUMPS, NO

TYPE II MATERIAL SHALL BE CLEAN, HARD,

GRADATION BY WEIGHT OF 100% PASSING

CRUSHED OR NATURAL STONE WITH A

A 1½ " SQUARE OPENING, NOT MORE

THAN 25% PASSING A ¾" SQUARE

OPENING AND NOT MORE THAN 5%

CLAY, AND NO ORGANIC MATERIAL.

AMOUNTS OF CLAY OR ORGANIC

TYPE I MATERIAL SHALL BE EITHER

GRAVEL OR EXCAVATED MATERIAL

IN MAXIMUM OF 12" LIFTS AND

-UNDISTURBED SOIL OR ROCK

6 trench installation

1 1/2" METAL DECK = 2.0 PSF JOIST GIRDERS = 1.0 PSF JOISTS = 2.0 PSF MECHANICAL & ELECTRICAL = 3.0 PSF FIRE PROTECTION = 2.0 PSF MISCELLANEOUS = 2.0 PSF

TOTAL DEAD LOAD 2. MINIMUM ROOF LOADS

A. LIVE LOAD - METAL DECK AND JOIST = 20 PSF B. GROUND SNOW LOAD = 0 PSF; ROOF SNOW LOAD = 0 PSF C. FRAMING COMPONENTS (JOISTS, JOIST GIRDERS, BEAMS AND COLUMNS) 1. TRIBUTARY AREA 0 TO 200 S.F., MINIMUM LIVE LOAD = 20 PSF 2. TRIBUTARY AREA 201 TO 600 S.F., MINIMUM LIVE LOAD = 16 PSF

3. TRIBUTARY AREA 601 AND GREATER, MINIMUM LIVE LOAD = 12 PSF 3. WIND LOADS A. BASIC WIND SPEED = 118 MPH (NOMINAL, 3-SECOND GUST)

B. WIND LOAD IMPORTANCE FACTOR = 1.0 C. WIND EXPOSURE CATEGORY C FOR MAIN WINDFORCE-RESISTING SYSTEM

D. WIND EXPOSURE CATEGORY C FOR COMPONENTS AND CLADDING

	DESCRIPTION	DESIGN PRESSURE (PSF)
	MAXIMUM COMBINED WINDWARD & LEEWARD WALL PRESSURE	
Ζ	-INTERIOR ZONE	19.3
닐	-END ZONE (20ft WIDE)	29.1
Z	MAXIMUM WINDWARD WALL PRESSURE	
2	-INTERIOR ZONE	16.2
HORIZONTAL	-END ZONE (20ft WIDE)	22.1
_	MAXIMUM LEEWARD WALL PRESSURE	
	-INTERIOR ZONE	-13.1
	-END ZONE (20ft WIDE)	-17.1
	MAXIMUM WINDWARD ROOF PRESSURE	
A	-INTERIOR ZONE	-24.3
	-END ZONE (20ft WIDE)	-35.0
/ERTIC	MAXIMUM LEEWARD RÓOF PRESSURE	
Æ	-INTERIOR ZONE	-15.4
	-END ZONE (20ft WIDE)	-19.9

= 15.0 PSF

F. WIND DESIGN PRESSURE - COMPONENTS AND CLADDING SEE DIAGRAM THIS SHEET G. DESIGN MAIN BUILDING JOISTS FOR A NET UPLIFT EQUAL TO THE UPLIFT PRESSURE GIVEN IN THE

COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM BELOW MINUS 5 PSF DEAD LOAD 4. EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, I = 1.0

B. SPECTRAL RESPONSE COEFFICIENTS i. S<sub>c</sub> = 0.085 iii. S<sub>ds</sub>= 0.091 ii.  $\vec{S}_1 = 0.05$  iv.  $\vec{S}_{d1} = 0.081$ 

C. SITE CLASS D D. SEISMIC DESIGN CATEGORY = B

E. BASIC SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS

F. DESIGN BASE SHEAR, V = C<sub>s</sub>x W; C<sub>s</sub>= 0.045 G. RESPONSE MODIFICATION FACTOR, R = 2.0

H. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE 5. DESIGN LOAD COMBINATIONS

B. D + (Lr OR R OR S)

C. D + 0.75(Lr OR R OR S) D. D + (0.6W OR 0.7E) E. 0.75(0.6W) + 0.75(Lr OR S OR R)

F. D + 0.75(.75E) + 0.75(S) G. 0.6D + 0.6W H. 0.6D + 0.7E

LOWABLE STRESS INCREASES ARE NOT PERMITTED WHEN USING THE ABOVE LOAD COMBINATIONS.

A. THE FOLLOWING NOTES ARE APPLICABLE TO ALL DRAWINGS IN ADDITION TO THE PROJECT SPECIFICATIONS. THE GENERAL NOTES TAKE PRECEDENCE OVER THE SPECIFICATIONS.

B. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS. WHERE A CONFLICT OCCURS, THE STRICTEST DESIGN SHALL GOVERN. ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. DOES NOT RELIEVE THE CONTRACTOR FROM MEETING THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEERS WRITTEN APPROVAL FOR THE SPECIFIC DEVIATION.

C. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL MECHANICAL, FIRE SPRINKLER, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL REQUIREMENTS INTO THE SHOP DRAWINGS AND CONSTRUCTION.

THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL TEMPORARILY SHORE AND BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, MASONRY, TO RESIST GRAVITY, EARTH, WIND SEISMIC, THERMAL, CONSTRUCTION AND MISCELLANEOUS LOADS DURING CONSTRUCTION. THE CONTRACTOR SHALL HIRE AND PAY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED TO DESIGN AND INSPECT ALL TEMPORARY SHORING AND BRACING.

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS.

G. UNLESS NOTED, SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS FOR REVIEW. DESIGN DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS THEY WERE CHECKED, BEAR THE INITIALS OF THE CHECKER AND ARE

STAMPED "APPROVED" BY THE GENERAL CONTRACTOR. NO SUPPORT PROVISIONS HAVE BEEN MADE FOR EQUIPMENT OVER 200 POUNDS, EXCEPT AS SHOWN. THE ENGINEER SHOULD APPROVE ANY ADDITIONAL REQUIREMENTS. THE INSTALLER SHALL BRACE EQUIPMENT AND PIPES LATERALLY TO RESIST SEISMIC FORCES.

SHALLOW FOUNDATIONS AND BUILDING PAD: A. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT PROJECT NUMBER EQ22P014B PREPARED BY TERRACON

CONSULTANTS, INC. DATED MAY 20, 2022. DESIGN SOIL BEARING PRESSURE 3,000 PSF AT CONTINUOUS AND ISOLATED FOOTINGS. FOOTINGS SHOULD HAVE A MINIMUM DEPTH OF 18" BELOW LOWEST ADJACENT GRADE.

THE SITE SHALL BE PREPARED IN ACCORDANCE WITH CIVIL DRAWINGS AND SPECIFICATIONS. WHERE FILL IS REQUIRED IT SHALL BE PLACED IN ACCORDANCE WITH INSTRUCTIONS AND UNDER THE SUPERVISION OF A QUALIFIED GEOTECHNICAL ENGINEER.

A QUALIFIED GEOTECHNICAL ENGINEER SHALL INSPECT ALL EXCAVATIONS AND BUILDING PADS TO VERIFY THE DESIGN CRITERIA, PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION PER GEOTECHNICAL REPORT RECOMMENDATIONS AND REPORT ADVERSE CONDITIONS. (GEOTECHNICAL ENGINEER TO BE HIRED

FOOTING ELEVATIONS GIVEN ARE FOR PURPOSE OF CONTRACT AND SHALL BE LOWERED AT TIME OF EXCAVATION AS REQUIRED BY THE GEOTECHNICAL ENGINEER TO MEET SOIL CONDITIONS.

1. THE GEOTECHNICAL ENGINEERING REPORT INDICATED THAT THE SOILS ON-SITE HAVE A **NEGLIGIBLE SULFATE** EXPOSURE. WHERE IMPORTED FILL OR BASE MATERIALS ARE IN CONTACT WITH CONCRETE, THE SULFATE CONTENT AND EXPOSURE OF THESE MATERIALS SHALL BE ACQUIRED BY TEST. SUBMIT ALL TEST RESULTS WITH CONCRETE MIX DESIGNS. FAILURE TO PROVIDE SUPPORTING TEST RESULTS FROM AN ACCREDITED TESTING LABORATORY WILL REQUIRE THE CONCRETE MIX TO BE PROPORTIONED FOR VERY SEVERE SULFATE

EXPOSURE AT NO ADDITIONAL COST TO THE HOME DEPOT OR DELAY IN THE PROJECT SCHEDULE. CONCRETE SHALL BE PROPORTIONED TO MEET THE PROJECT SPECIFICATIONS AND THE MINIMUM CRITERIA ESTABLISHED IN THE FOLLOWING TABLE BASED ON THE SULFATE EXPOSURE FROM ANY ADJACENT SOILS OR

FILL MATER	IALS.				MINIM	IUM 28-DAY COMPRESSIVE	STRENGTH (PSI)
	NA/ATED		1			WALL BANIELO DETAININO	
	WATER SOLUBLE					WALL PANELS, RETAINING WALLS, STEM WALLS,	
	SULFATE (SO <sub>4</sub> )	SULFATE (SO <sub>4</sub> )	PORTLAND	MAXIMUM	SLABS	PIERS, GRADE BEAM,	FOUNDATIONS,
SULFATE EXPOSURE	IN SOIL, BY WEIGHT %	IN WATER PPM	CEMENT TYPE	W/C RATIO	ON GROUND	STRUCTURAL SLAB OR COLUMNS	CURBS, AND ALL CONCRETE U.N.O.
NEGLIGIBLE	0.00 <u>&lt;</u> SO <sub>4</sub> <0.10	0 <u>&lt;</u> SO <sub>4</sub> <150	I	0.55	3500	4000	3000*
MODERATE	0.10 <u>&lt;</u> SO <sub>4</sub> <0.20	150 <u>&lt;</u> SO <sub>4</sub> <1500	II.	0.50	4000	4000	4000
SEVERE	0.20 <u>&lt;</u> SO <sub>4</sub> <u>&lt;</u> 2.00	1500 <u>&lt;</u> SO <sub>4</sub> <u>&lt;</u> 10,000	V	0.45	4500	4500	4500
VERY SEVERE	SO <sub>4</sub> >2.00	SO <sub>4</sub> >10.000	V PLUS	0.45	4500	4500	4500

\* 3,000 PSI CONCRETE SHALL HAVE A MAXIMUM W/C RATIO OF 0.58

3. ADDITIONALLY, EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE. SEE SPECIFICATIONS FOR MORE INFORMATION. THE HOME DEPOT HAS ADOPTED A VERY STRINGENT POSITION TOWARD CRACKS IN SLABS ON GROUND. THE SLAB JOINT LAYOUT AND DETAILING IS PROVIDED TO MINIMIZE THE OCCURRENCE OF RANDOM CRACKING. DETAILS FOR SUPPLEMENTAL REINFORCING AT RE-ENTRANT CORNERS AND SLAB PENETRATIONS HAVE BEEN PROVIDED. THE PURPOSE OF THIS SUPPLEMENTAL REINFORCING IS TO HOLD CRACKS TIGHT AND PREVENT THEM FROM OPENING UP. ANY CRACKING OF THE SLAB OTHER THAN SMALL TIGHTLY HELD CRACKS, INCLUDING THOSE AT RE-ENTRANT CORNERS OR SLAB

PENETRATIONS, WILL NOT BE ACCEPTED. THE MAXIMUM ACCEPTABLE CRACK WIDTH IN EXTERIOR SLABS ON GROUND IS 0.007 INCHES (0.18 mm) WHERE FREEZING TEMPERATURES OCCUR DURING THE COLD WEATHER SEASON AND THE USE OF DEICING CHEMICALS ARE ANTICIPATED. THE MAXIMUM ACCEPTABLE CRACK WIDTH IN ALL OTHER SLABS ON GROUND, INTERIOR OR EXTERIOR IS 0.012 INCHES (0.30 mm). THE GENERAL CONTRACTOR SHALL REMOVE AND REPLACE CRACKED SLABS AS DIRECTED BY THE HOME DEPOT PROJECT MANAGER. THIS WORK SHALL BE PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE AND WITHOUT DELAY TO THE PROJECT.

REINFORCING STEEL:

REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60 OR ASTM A706, UNLESS NOTED OTHERWISE.

ALL WELDED REINFORCING BARS SHALL CONFORM TO ASTM A706. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE

A. UNFORMED SURFACE IN CONTACT WITH THE GROUND: B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER #6 BARS AND LARGER #5 BARS AND SMALLER 1 1/2 IN. C. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: BEAMS, GIRDERS, AND COLUMNS

SLABS, WALLS, AND JOISTS #11 BARS AND SMALLER 3/4 IN. #14 AND #18 BARS 1 1/2 IN.

4. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE.

BAR SIZE #3	CLASS B SPLICE LAP LENGTH (INCHES) 22	COMPRESSION SPLICE LAP LENGTH (INCHES) 12	BAR SIZE #8	CLASS B SPLICE LAP LENGTH (INCHES) 72	COMPRESSION SPLICE LAP LENGTH (INCHES) 30
#4 #5 #6 #7	29 36 43 63	15 19 23 27	#9 #10 #11	81 89 98	34 38 42

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS, UNLESS NOTED OTHERWISE. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.

A. SLAB CONSTRUCTION SHALL COMPLY WITH ACI-302.1R, CLASS 6 FLOORS, WITHOUT SURFACE

HARDENERS, UNLESS SPECIFIED OTHERWISE. B. AT A MINIMUM, THE SLAB ON GROUND SHALL BE CONSTRUCTED OVER A 6" COARSE AGGREGATE BASE WITH A FINE AGGREGATE SKIM COAT THAT CREATES A FIRM, SMOOTH, PLANAR BEARING SURFACE. AGGREGATE BASE SHOULD BE NON-RECYCLED AND COMPACTED TO A MINIMUM OF 95%

IMMEDIATELY PRIOR TO POURING EACH SLAB, A QUALIFIED GEOTECHNICAL ENGINEER (TO BE PAID BY THE HOME DEPOT) SHALL INSPECT THE PAD AND PROVIDE A CERTIFICATE STATING THAT THE PAD MEETS THE PROJECT DESIGN REQUIREMENTS. IF WEATHER CONDITIONS CHANGE, RECERTIFICATION

D. SLABS AT CORNERS OF OPENINGS, CUT OUTS, DISCONTINUOUS JOINTS AND PENETRATIONS SHALL

BE REINFORCED PER DETAIL **\$2.0-10**. PIPES, DUCTS, CONDUITS, ETC. SHALL NOT BE PLACED IN SLABS UNLESS APPROVED BY THE

STRUCTURAL ENGINEER (PLACE A MINIMUM OF 4" BELOW BOTTOM OF SLAB). UNLESS NOTED, FINISHING OF INTERIOR SLABS SHALL COMPLY WITH ACI-302.1R, WITH THREE (3) TROWELINGS AND, IF NECESSARY, ADDITIONAL TROWELINGS AS REQUIRED TO PRODUCE A SMOOTH, HARD, DENSE AND BURNISHED FINISH. EXTERIOR SLABS SHALL BE BROOM FINISHED. SEE

SPECIFICATIONS. G. SAW CUT THE SLAB WITH A "SOFF-CUT" EARLY ENTRY SAW (CUT 1/8" WIDE X 1" DEEP) AS SOON AS THE SURFACE IS FIRM ENOUGH TO PREVENT DAMAGE. THE OPTIMUM TIME TO CUT THE SLAB WILL BE THE CONTRACTOR'S RESPONSIBILITY. GENERALLY, THIS TIME WILL BE WITHIN 1 TO 4 HOURS AFTER THE SLAB IS FINISHED IN A GIVEN AREA, DEPENDING ON CLIMATIC CONDITIONS (1 HOUR IN HOT OR

DRY WEATHER, 4 HOURS IN COLD WEATHER). H. SLABS WITH CRACKS WILL NOT BE ACCEPTED. SLAB REPLACEMENT SHALL BE AT THE OPTION OF THE HOME DEPOT PROJECT MANAGER. REPLACEMENT OF CRACKED OR DAMAGED SLABS SHALL BE

AT THE CONTRACTOR'S EXPENSE. INTERIOR SLABS THAT ARE TO RECEIVE A LIQUID SURFACE TREATMENT SHALL BE MOIST CURED. DO NOT USE CHEMICAL CURING COMPOUNDS ON SLABS THAT WILL RECEIVE A LIQUID SURFACE TREATMENT.

IMMEDIATELY AFTER CURING, APPLY LIQUID SURFACE TREATMENT. SEE SPECIFICATIONS. K. NO HEAVY EQUIPMENT SHALL BE PLACED ON THE SLAB. A SLAB THAT IS DAMAGED AS A RESULT OF HEAVY EQUIPMENT BEING PLACED ON THE SLAB SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE

### STRUCTURAL STEEL:

1. CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION, 15<sup>TH</sup> EDITION.

ASTM F1554, GRADE 36 OR 55 FOR HOOKED ANCHOR BOLTS.

MATERIALS: ASTM A36, FY=36 KSI UNLESS NOTED ASTM A992 GRADE 50 FOR WIDE FLANGE SHAPES

ASTM 572, FY =50 KSI WHERE NOTED ON THE DRAWINGS. ASTM A500, GRADE C, FY=50 KSI FOR SQUARE AND RECTANGULAR TUBING. ASTM A53, GRADE B, FY=35 KSI FOR PIPES. ASTM F3125, GRADE A325 FOR HIGH STRENGTH BOLTS.

ASTM F1554, GRADE 36 OR 55 FOR THREADED ROD ANCHORS. ASTM A108 & A.W.S D1.1 FOR SHEAR STUDS. THE FABRICATOR SHALL DESIGN CONNECTIONS WHERE THEY ARE NOT INDICATED ON THE DRAWINGS. STANDARD CONNECTIONS SHALL BE USED WHERE POSSIBLE. ALL SHOP CONNECTIONS SHALL BE WELDED OR HIGH STRENGTH BOLTED. UNLESS NOTED, USE 3/4" DIAMETER ASTM A-325N BOLTS.

STEEL MEMBERS SUPPORTING STEEL DECK AT THE PERIMETER OF THE BUILDING SHALL BE CONTINUOUS. BUTT WELD WHERE SPLICE OCCURS. STRUCTURAL STEEL SHALL RECEIVE ONE (1) SHOP COAT OF RUST INHIBITIVE PRIMER.

STEEL COLUMNS AND BASE PLATES SHALL HAVE A MINIMUM 3" CONCRETE COVER PROTECTION. FOR ALL EXPOSED STRUCTURAL TUBE CONNECTIONS, THERE SHALL BE NOT MORE THAN A 1/8" GAP BETWEEN THE MEMBERS. ALL EXPOSED ENDS OF HSS MEMBERS SHALL BE CAPPED WITH A 1/4" STEEL PLATE WITH SEAL WELDS GROUND SMOOTH.

1. ALL STRUCTURAL STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1.1, LATEST EDITION.

REINFORCING STEEL WELDING SHALL CONFORM TO AWS D1.4. REINFORCING SHALL CONFORM TO ASTM 3. ALL STRUCTURAL STEEL AND REINFORCING STEEL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1

FIELD WELDING SHALL BE SHOWN ON ERECTION DRAWINGS.

ALL FIELD FULL PENETRATION WELDS SHALL BE INSPECTED AND TESTED BY A TESTING AGENCY TO BE PAID BY THE HOME DEPOT. ALL EXPOSED WELDED CONNECTIONS SHALL BE GROUND SMOOTH AND SUBJECT TO ARCHITECT

APPROVAL. THE CONTRACTOR SHALL SUBMIT WRITTEN PROCEDURE AND DETAILS TO THE ARCHITECT FOR REVIEW PRIOR TO COMMENCING THE WORK. PAINT ALL WELDS WITH RUST INHIBITIVE PAINT.

### PERFORM STRUCTURAL WELDING WITHOUT SPECIAL INSPECTIONS.

**COLD FORMED STEEL FRAMING (LIGHT GAUGE JOISTS AND ACCESSORIES):** 1. STEEL STUDS AND JOISTS SPECIFIED IN THE DRAWINGS, ARE DESIGNATED IN ACCORDANCE WITH THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) STANDARDS AS SHOWN IN ICC ESR-3064P. FRAMING SHALL HAVE PROPERTIES/CAPACITIES AS LISTED THEREIN. DESIGN, FABRICATIONS AND ERECTION SHALL CONFORM TO AISI "SPECIFICATIONS FOR THE DESIGN OF

ALL SHOP WELDING TO BE PERFORMED BY A FABRICATOR APPROVED BY THE BUILDING OFFICIAL TO

COLD FORMED STEEL STRUCTURAL MEMBERS", LASTED EDITION. GALVANIZED MATERIAL: 3.A. ALL GALVANIZED STUDS, JOISTS AND ACCESSORIES HAVING A MATERIAL THICKNESS OF 54 MILS TO 97 MILS (16 TO 12 GAGE) SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM

REQUIREMENTS OF AASTM A1003 GRADE 50 WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING, END CLOSURES AND ACCESSORIES HAVING A MATERIAL THICKNESS OF 33 MILS TO 43 MILS (20 TO 18 GAGE) SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A1003 GRADE 33 WITH A MINIMUM YIELD STRENGTH

ALL STEEL STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL HAVE A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A1003.

A. WHERE CALLED OUT ON THE DRAWINGS, USE HILTI HIT HY-200 ANCHORING SYSTEM (ESR-3963) FOR EMBEDDING THREADED ROD OR REBAR INTO SOLID CONCRETE. UNLESS NOTED, EMBEDMENT SHALL BE AS FOLLOWS: 3/8" DIA. ROD OR #3 REBAR - 3 1/2"; 1/2" DIA. ROD OR #4 REBAR - 4 1/4"; 5/8" DIA. ROD OR #5 REBAR - 5"; 3/4" DIA. ROD OR #6 REBAR - 6 5/8"; 7/8" DIA. ROD OR #7 REBAR - 6 5/8"; AND 1" DIA. ROD OR #8 REBAR - 8 1/4".

B. ALL ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS AND UNDER MANUFACTURER'S SUPERVISION IN ORDER TO DEVELOP THE PUBLISHED WORKING LOADS. UNLESS

NOTED, SPECIAL INSPECTION IS REQUIRED. MINIMUM CONCRETE COMPRESSIVE STRENGTH REQUIRED AT TIME OF INSTALLATION OF ANY ANCHORS

### SHALL BE 2000 PSI. **STEEL ROOF DECK:**

A. STEEL DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE ANSI/SDI-RD1.0 STANDARD FOR STEEL ROOF DECK. B. STEEL DECK SHALL BE CONFIGURATION, DEPTH AND MINIMUM GAUGE AS SHOWN ON THE DRAWINGS.

ATTACHMENT TO THE SUPPORTING STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS. DO NOT HANG OR SUPPORT ANY LOADS FROM STEEL DECK.

STEEL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS. DECK WITH A THICKNESS OF 20 GAUGE OR LESS SHALL BE CONTINUOUS FOR A MINIMUM OF TWO SPANS ADJACENT TO JOIST BAYS WITH

OPENINGS. E. DECK ENDS SHALL BE LAPPED A MINIMUM OF 2". BUTTED ENDS ARE NOT PERMITTED.

E60XX WELDING ELECTRODES SHALL BE USED WHEN WELDING STEEL DECK. G. SEE VULCRAFT ROOF DECK MANUAL FOR SECTION PROPERTIES.

### **SPECIAL INSPECTIONS:**

A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY,

ENLARGE OR WAVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL OF RECORD UNTIL ALL CORRECTIONS HAVE BEEN

COMPLETED. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

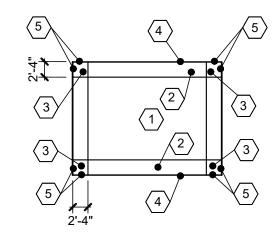
WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF SPECIFIED QUALITY ASSURANCE TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE

BUILDING CODE:

a. FIELD WELDING PER AISC 360. b. POST-INSTALLED ANCHORS IN ACCORDANCE TO MANUFACTURER EVALUATION REPORTS. c. REINFORCING STEEL SIZE, GRADE, AND PLACEMENT IN STRUCTURAL CONCRETE FOOTINGS AND

d. VERIFY USE OF REQUIRED CONCRETE MIX DESIGN.

F. THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.



		ZONE	EFFE	CTIVE WIND	AREA (SF)	
		ZONL	10 FT SQ	20 FT SQ	50 FT SQ	100 FT SC
		1	16.0/-43.7	16.0/-40.5	16.0/-36.3	16.0/-33.1
λc	ROOF	2	16.0/-59.2	16.0/-55.1	16.0/-49.6	16.0/-45.5
CANOPY	4	3	16.0/-82.3	16.0/-74.1	16.0/-63.3	16.0/-55.1
S	rrs	4	23.1/-23.1	23.1/-23.1	21.0/-21.7	19.3/-20.6
	WALL	5	23.1/-46.3	23.1/-46.3	21.0/-40.4	19.3/-36.0
				URE ACTS T IRE ACTS AV		

ULT. PRESSURES SHOWN IN PSF

13'-5"

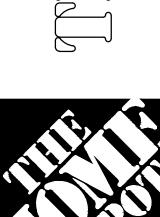
		ZONE	EFFE	CTIVE WIND	AREA (SF)						
		ZONL	10 FT SQ	10 FT SQ 20 FT SQ 50 FT SQ							
		$\langle 1 \rangle$	16.0/-52.6	16.0/-49.1	16.0/-44.5	16.0/-41.1					
N		1'	16.0/-30.2	16.0/-30.2	16.0/-30.2	16.0/-30.2					
ADDITION	ROOF	$\langle 2 \rangle$	16.0/-69.4	16.0/-64.9	16.0/-59.0	16.0/-54.6					
. AD	ш	3	16.0/-94.6	16.0/-85.6	16.0/-73.8	16.0/-64.9					
BLDG.	WALLS	$\langle 4 \rangle$	30.2/-32.7	28.9/-31.4	27.1/-29.6	25.8/-28.3					
_	WA	<b>(5)</b>	30.2/-40.3	28.9/-37.6	27.1/-34.1	25.8/-31.4					
	ARAPET	4	91.9/-54.3	85.9/-51.5	78.1/-47.9	72.1/-45.2					
	PAR/	<b>(5)</b>	117.7/-62.0	107.2/-57.9	93.3/-52.5	82.8/-48.3					
	_	_		URE ACTS T IRE ACTS AV	_	-					

**EXISTING BUILDING** 



7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T

WDPARTNERS.COM



TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR



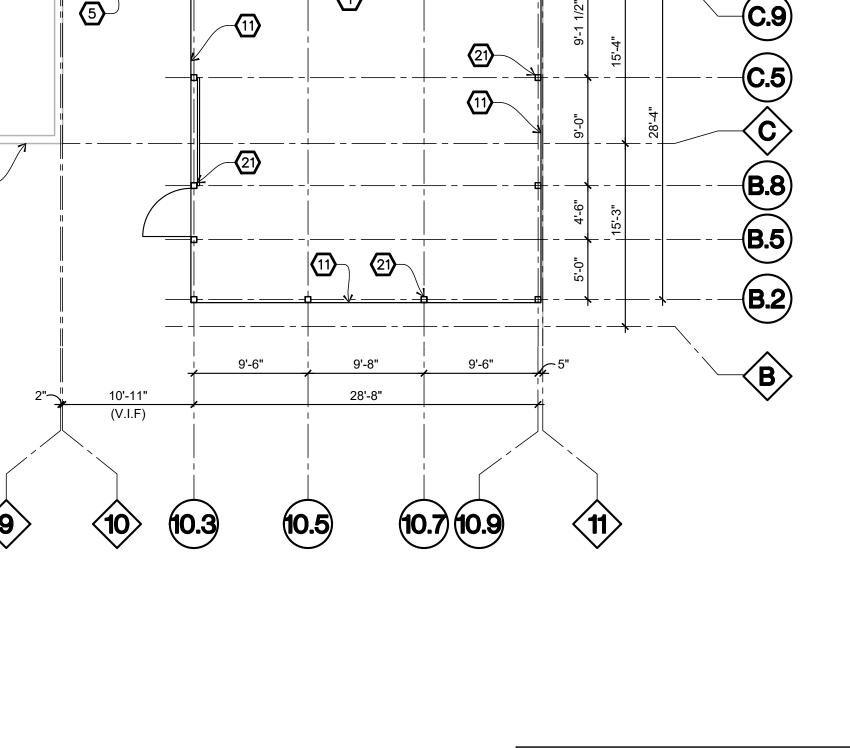
REVISIONS

WD PROJECT NUMBER HDPTR0156

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# EXISTING TRC SLAB TO REMAIN (TOP OF SLAB AT ELEVATION 100'-0") NEW MAINTENANCE SLAB (TOP OF SLAB AT ELEVATION 100'-0") -SEE ARCH FOR EXTENT OF SLAB DEMOLITION (N) TRC MATERIALS SLAB (TOP OF SLAB ELEVATION & SLOPE PER CIVIL) EXISTING DRIVE-THRU SLAB TO REMAIN 9'-6" 28'-8" 10'-11" (10.5)

FIELD VERIFY IF FENCE POST FOUNDATION EXISTS. CONTACT ARCH/ENGINEER IF FOUNDATION EXISTS AND TO GET NEW FENCE POST DETAILS. FOR EXTENT OF SLAB DEMOLITION, REFER TO ARCH AND CIVIL DWGS. SEE KEYED NOTE #6 FOR JOINT DETAILS BETWEEN EXISTING AND NEW SLAB.



(E) 48G6N7.8K STEEL JOIST GIRDER

1. CONTRACTOR SHALL FIELD VERIFY STRUCTURAL ROOF FRAMING MEMBERS AND NOTIFY EOR OF ANY DISCREPANCIES OBSERVED.

PLAN NOTES:

- A. ALL ELEVATIONS ARE RELATIVE TO A FINISH FLOOR ELEVATION OF 100'-0" (REFERENCE ONLY). REFERENCE ELEVATION 100'-0" EQUALS EXISTING BUILDING SLAB ELEVATION.
- B. PROVIDE NEW TROWEL BLADES FOR CONCRETE FINISHING OF FLOOR SLABS. C. SEE ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND SLAB SCHEDULE ON THIS SHEET FOR ALL
- FLOOR SLAB FINISHES.
- D. COMBUSTION HEATERS SHALL NOT BE USED DURING CONCRETE PLACEMENT UNLESS PRECAUTIONS ARE TAKEN TO PREVENT EXPOSURE OF THE CONCRETE TO EXHAUST GASES.

**KEYED NOTES:** 

(1) EXISTING WALL (CONCRETE)

EXISTING WALL FOOTING

EXISTING ROOF FRAMING (OPEN WEB STEEL JOISTS) - VERIFY IN FIELD

CONTRACTOR SHALL NOT UNDERMINE THE EXISTING FOUNDATION SYSTEM PER MEANS AND METHODS. (5) EXISTING WALL OPENING. REFER TO ARCH FOR DIMENSIONS.

SAW CUT EXISTING SLAB. TOP OF NEW CONCRETE SLAB TO MATCH EXISTING. SEE **\$2.0-02**, **\$2.0-03** AND **\$2.0-04** FOR SLAB JOINT DETAILS.

(2) L2x2x1/4 WITH 3/8" DIA.x3" HEADED STUDS AT 8" O.C., 4 SIDES.

NON-STRUCTURAL PARTITION. REFER TO ARCH. FOR CONSTRUCTION.

9 CATCH BASIN. SLOPE TO DRAIN AS SHOWN. REFER TO PLUMBING DRAWINGS. SEE **\$2.0-01** FOR TY 20 AL PIPE OPENING MEAR FOUNDATION OF FENCE POST. SEE DETAIL \$2.0-18. REFER TO ARCHITECTURAL AND HSS 6x6x14LEFTAREROSESEE ARCHITECTURAL DRAWINGS.

FENCE - SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.  $\langle 12 \rangle$  FENCE FOUNDATION. SEE  $\overline{S2.0-05}$ .

FENCE POST STUB FOUNDATION AND POST CONNECTION, SEE **\$2.0-06**. EXISTING OR NEW BOLLARD POST, REFER TO ARCHITECTURAL FOR CONSTRUCTION.

NEW ROOF FRAMING FOR NEW EXHAUST FAN. SEE **\$2.0-11**. EXISTING ROOF TOP UNIT.

SANITARY UTILITY LINE. SEE PLUMBING DRAWINGS.

FOR UTILITY PIPES BENEATH OR NEAR EXISTING FOOTING, REFER TO \$2.0-15. \$19 SLOPE SLAB TO DRAIN. SEE \$2.0-01 AND REFER TO PLUMBING DRAWINGS.

CONTRACTION JOINT TYPICAL, SEE DETAIL \$\overline{\subseteq} \overline{\subseteq} \overline{\s SEE DETAIL **\$2.0-16**.

LIGHT POLE EXTENSION ON FENCE POST. SEE DETAIL \$2.0-18. REFER TO ARCHITECTURAL AND

### SLAB SCHEDULE

LOCATION	FINISH	THICKNESS AND REINFORCING	SUBBASE
TOOL RENTAL CENTER	TROWELED	6" UNREINFORCED CONCRETE SLAB ON GROUND, SEE SPECIFICATIONS	FINE AGGREGATE SKIM COAT OVER A MINIMUM 6" COARSE AGGREGATE BASE
BULK STORAGE			SKIM COAT SHALL FILL VOIDS IN
EXTERIOR SLAB ON GROUND	MEDIUM BROOM	6" UNREINFORCED CONCRETE SLAB ON GROUND, SEE SPECIFICATIONS	SURFACE OF COARSE AGGREGATE AND CREATE A SMOOTH PLANAR SURFACE.
MAINTENANCE ROOM			
WASH DOWN BOOTH			

. SOIL PREPARATION CONDITION REQUIREMENTS APPLY TO BOTH THE MAINTENANCE ROOM FOOTPRINT AND THE MATERIALS STORAGE YARD

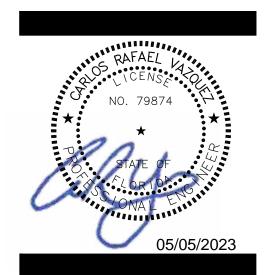
7007 DISCOVERY BLVD

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**DUBLIN, OH 43017** 614.634.7000 T

**LAKE CITY** TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



WD PROJECT NUMBER

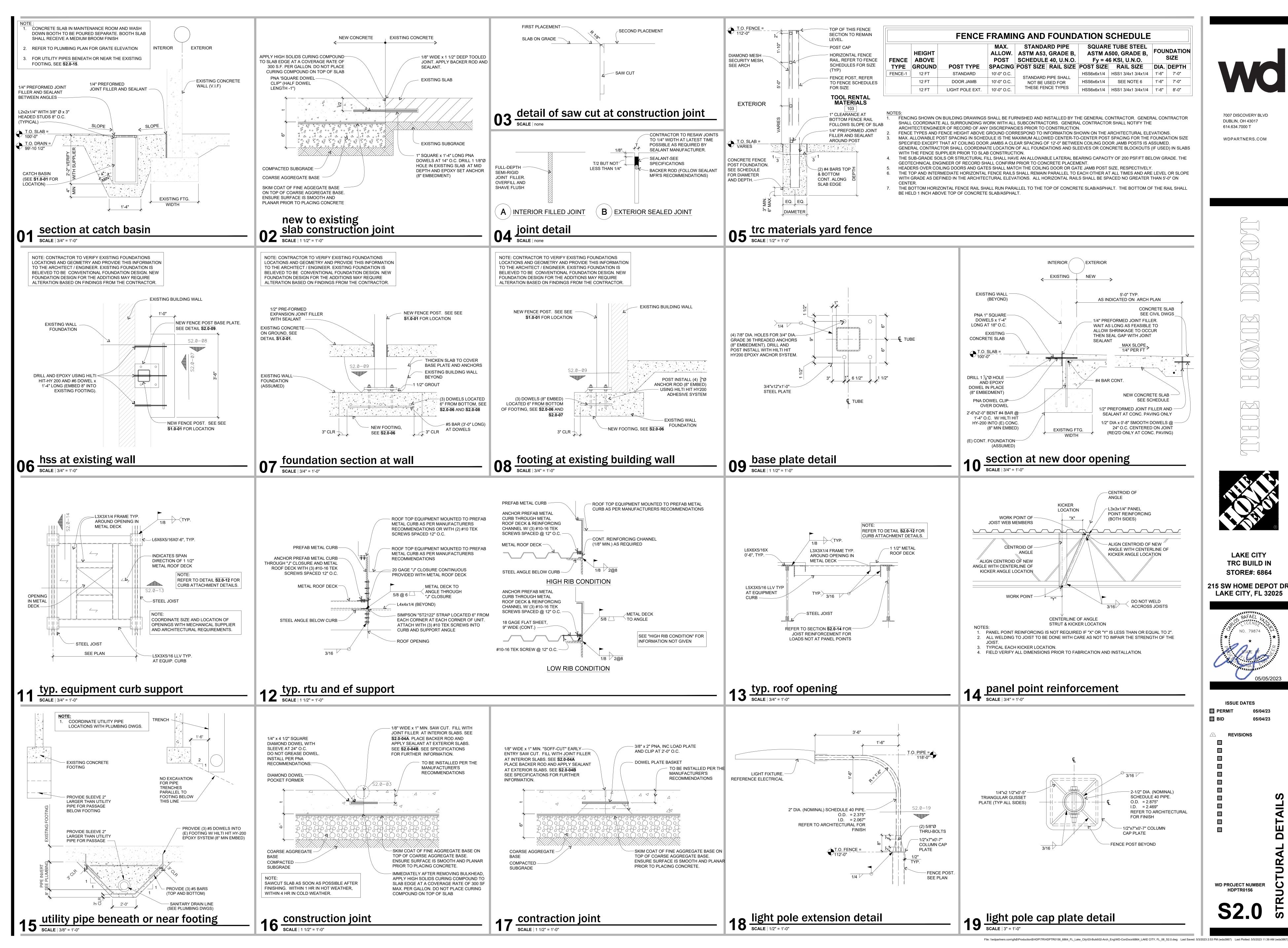
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03 enlarged catch basin plan scale | 3/8" = 1'-0"

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7007 DISCOVERY BLVD **DUBLIN, OH 43017** 

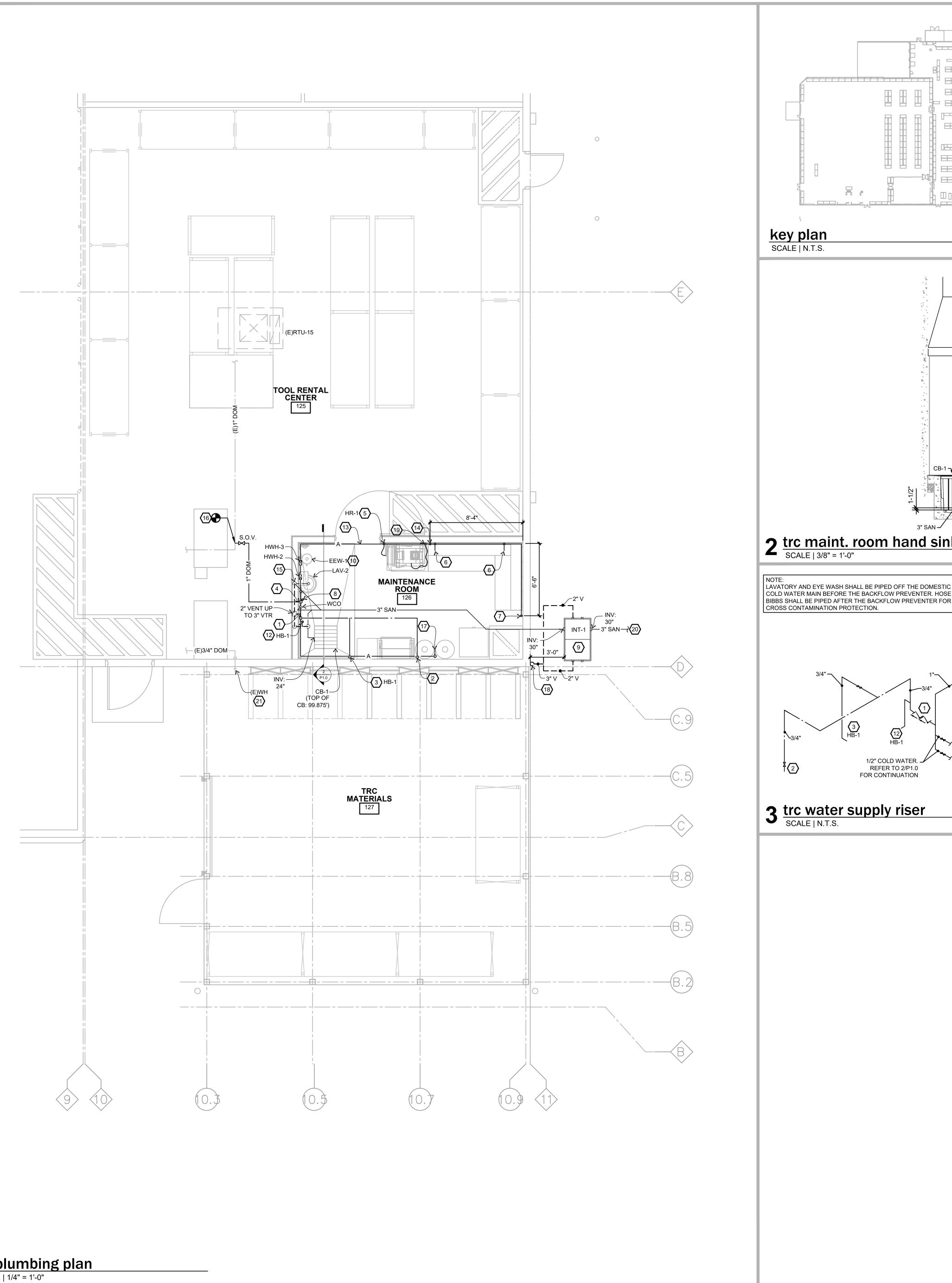
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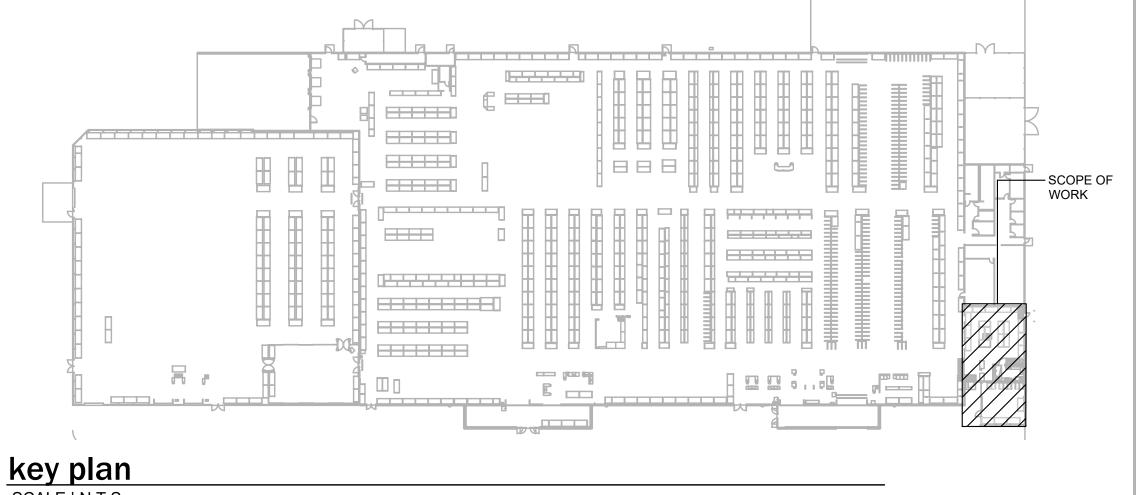
LAKE CITY TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



WD PROJECT NUMBER HDPTR0156





| 13/4" DOM ¬ REFER TO STRUCTURAL DRAWINGS AND

DETAILS FOR CATCH BASIN INSTALLATION

REQUIREMENTS, ENCASED IN CONCRETE.

keyed notes

(1) WATTS #007M3QT DUAL CHECK BACKFLOW PREVENTER.  $\langle 2 \rangle$  3/4" COLD WATER DOWN FOR POWER WASHER CONNECTION. PROVIDE SHUT-OFF VALVE AND CAPPED THREADED NIPPLE AT 72" A.F.F. G.C. TO PROVIDE COMMERCIAL GRADE HOSE AND MAKE FINAL CONNECTION. KEEP THE HOSE AS SHORT AS NEEDED TO MAKE THE CONNECTION TO THE POWER WASHER AND SECURE THE HOSE TO THE WALL IN NEAT AND ORDERLY FASHION

(3) 3/4" COLD WATER DOWN IN WASHING BOOTH TO HOSE BIBB AT 48" A.F.F. WITH VACUUM BREAKER. (4) 1/2" COLD WATER DOWN TO SERVE LAV-2. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL

PROVIDE HEAVY DUTY AIR-HOSE REEL MOUNTED ON WALL WITH QUICK-CONNECT COUPLING. CONNECT REEL TO AIR COMPRESSOR MAIN LINE WITH HEAVY DUTY AIR-HOSE WITH QUICK-CONNECT

COUPLINGS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING DETAILS. (6) STANDARD 1/4" QUICK-CONNECT AIR HOSE COUPLING AT 45" A.F.F., FACING OUTWARD.

7 1/2" COPPER COMPRESSED AIR LINE, TURN DOWN 6" PAST END OF WORK BENCH AND DROP TO 24" A.F.F. PROVIDE 1/2" TO 1/4" REDUCER AND 1/4" VALVE FOR BLOWDOWN. 8 1/2" COPPER COMPRESSED AIR LINE DOWN. PROVIDE STANDARD 1/4" QUICK-CONNECT AIR HOSE

COUPLING AT 48" A.F.F., FACING OUTWARD. 9 EXTERIOR OIL INTERCEPTOR. SEE DETAIL ON SHEET P2.0 FOR MORE INFORMATION. CONTRACTOR TO VERIFY LOCAL FROST DEPTH REQUIREMENTS AND PROVIDE CLEANOUT EXTENSIONS PRIOR TO

10 1-1/4" INDIRECT WASTE FROM EMERGENCY EYEWASH TO DISCHARGE TO CB-1.

(11) CONTRACTOR TO RUN 2" VENT UP IN WALL. OFFSET AT ROOF TO 3" VENT THRU ROOF. (12) 3/4" COLD WATER AT FACE OF WASHING BOOTH TO HOSE BIBB AT 30" A.F.F. WITH VACUUM BREAKER.

1/2" COPPER COMPRESSED AIR LINE. 8'-6" A.F.F. AT 1/16" PER FOOT SLOPE. SLOPE TO BLOWDOWN LOCATION AS SHOWN.

COMPRESSED AIR LINE DOWN. DROP TO 45" AND RUN ABOVE COUNTERTOP. PITCH AT 1/16" PER FOOT TO BLOWDOWN. ROUTE VENT LINE FOR HAND SINK UP AND CONNECT TO CATCH BASIN VENT.

(16) EXTEND 1" DOMESTIC WATER LINE AND CONNECT TO EXISTING 1" MAIN LOCATED IN THE VICINITY OF THE TRC SPACE. OTHERWISE EXTEND TO MAIN NEAR EXISTING RESTROOMS. CONTRACTOR SHALL VERIFY IN FIELD EXACT LOCATION OF NEAREST WATER MAIN. CONTRACTOR SHALL DETERMINE ROUTING AND POINT OF CONNECTION PRIOR TO BID, AND INCLUDE ALL COSTS IN BID. ROUTE PIPING HIGH IN JOIST SPACE.

1/2" COPPER COMPRESSED AIR LINE DOWN. PROVIDE STANDARD 1/4" QUICK-CONNECT AIR HOSE COUPLING AT 60" A.F.F. EXTEND 1/2" COMPRESSED AIR LINE DOWN TO 24" A.F.F. AND PROVIDE 1/2" TO 1/4" REDUCER AND 1/4" VALVE FOR BLOWDOWN.

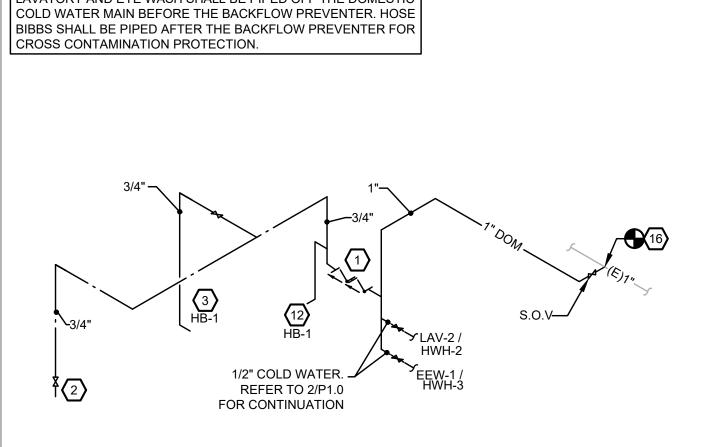
ROUTE VENT FROM OIL INTERCEPTOR UP TIGHT TO WALL. TERMINATE 12'-0" ABOVE FINISHED GRADE. G.C. TO PAINT VENT TO MATCH COLOR OF WALL.

PROVIDE HEAVY DUTY AIR-HOSE WITH QUICK-CONNECT COUPLING FOR CONNECTION TO AIR COMPRESSOR ON SHELF. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING

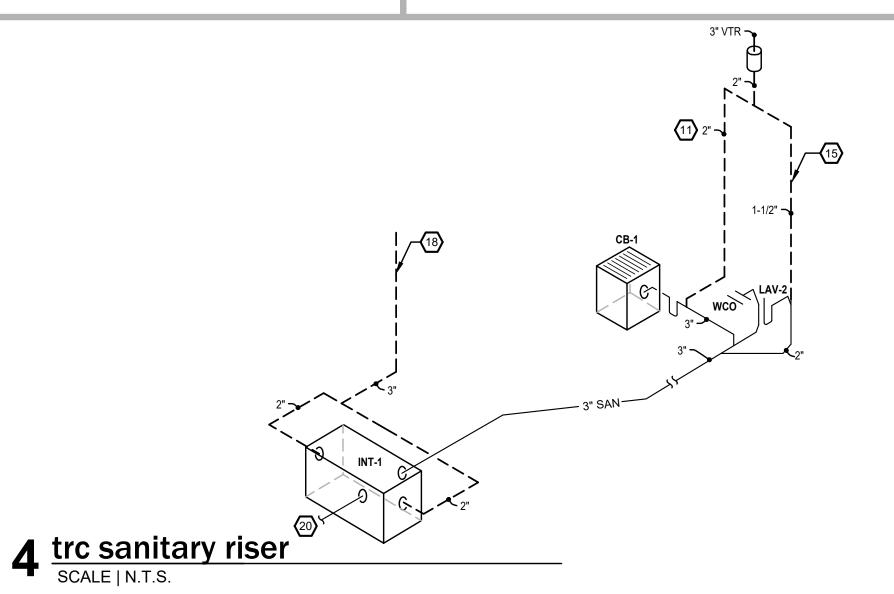
REFER TO CIVIL DRAWINGS FOR CONTINUATION.

21 EXISTING WALL HYDRANT TO REMAIN. FIELD VERIFY HYDRANT IS LEAK-FREE AND FUNCTIONING PROPERLY. REPAIR OR REPLACE AS NEEDED. COORDINATE WITH GENERAL CONTRACTOR TO CLEAN AND/OR POWER WASH THE EXISTING WALL AND REPAINT AS NEEDED.

2 trc maint. room hand sink elev SCALE | 3/8" = 1'-0"



3 trc water supply riser SCALE | N.T.S.



nlumbing fixture schedule

MARK	EQUIPMENT	DESCRIPTION / ACCESSORIES	COLD WATER	HOT WATER	DRAIN	MANUFACTURER	MODEL
EEW-1	EMERGENCY EYE WASH	WALL MOUNTED, TWIN SPRAY HEADS (0.4 GPM AT 30 P.S.I.). ALL STAINLESS STEEL WITH ADJACENT SIGN ("EMERGENCY EYEWASH"). INSTALL AT 40" A.F.F. TO RIM.	3/4"	-	1-1/4"	GUARDIAN	G1814
CB-1	CATCH BASIN	23-1/4"X24-5/8"X24" HDPE CATCH BASIN WITH CLASS C LOAD RATED DUCTILE IRON GRATE RECESSED 1-1/2" BELOW F.F.E. FURNISH WITH SEDIMENT BUCKET. FIELD CUT PER MANUFACTURER'S INSTRUCTIONS FOR 3" SIDE OUTLET WITH AN INVERT OF 24" B.F.F.	-	-	AS NOTED	ZURN	Z887-24
HB-1	HOSE BIBB	NO-KINK HOSE BIBB WITH TEE HANDLE AND TAMPER PROOF VACUUM BREAKER. PROVIDE AND INSTALL QUICK DISCONNECT AT EACH HOSE BIBB (L.R. NELSON OR EQUAL MANUFACTURER).	3/4"	-	-	WATTS	LFSC8-2
HWH-2	SINGLE POINT WATER HEATER	POINT-OF-USE WATER HEATER. 8.3 KW - 208V - 1Ø, 40 AMPS. UNIT PROVIDES 38°F TEMPERATURE RISE AT 1.5 GPM. UNIT SHALL BE SET TO PROVIDE 105°F HOT WATER TO LAV.	1/2"	1/2"	-	EEMAX	SPEX8208T
HWH-3	SINGLE POINT WATER HEATER	POINT-OF-USE WATER HEATER. 8.3 KW - 208V - 1Ø, 40 AMPS. UNIT PROVIDES 28°F TEMPERATURE RISE AT 2.0 GPM. UNIT SHALL BE SET TO PROVIDE 85°F TEMPERED WATER TO EYEWASH.	1/2"	1/2"	-	EEMAX	SPEX8208TEE (ANSI Z358.1 COMPLIANT)
INT-1	EXTERIOR OIL INTERCEPTOR	FABRICATED STEEL BODY WITH INTEGRAL STORAGE COMPARTMENT. EXTRA HEAVY DUTY TRAFFIC COVER. 25 GPM FLOW RATE. 3" INLET AND OUTLET, 2" VENT. PROVIDE 3" CLEANOUT ACCESS. PROVIDE PLUGS AS NECESSARY FOR UNUSED VENT CONNECTIONS. FURNISH WITH ANCHOR FLANGE AND WADE HIGH-LEVEL ALARM BELL / LIGHT PANEL, SEE ELECTRICAL DRAWINGS FOR ALARM PANEL LOCATION. CONTRACTOR TO PROVIDE FIXED EXTENSION "-XT" OF SUFFICIENT HEIGHT TO ACCOMMODATE INVERTS NOTED ON PLAN, HEIGHT AS NEEDED TO BE FLUSH WITH SURROUNDING SLAB.	-	-	3"	WADE	5500
LAV-2	HAND WASH SINK	18"x17" #18 GAUGE, TYPE 304 STAINLESS STEEL WASH-UP LAVATORY. OVAL COMPARTMENT WITH ANTI-SPLASH RIM. FURNISHED WITH STAINLESS STEEL SUPPORTING BRACKETS AND STAINLESS STEEL STAMPED HOUSING WITH RUBBER GASKET. PROVIDE WITH DECK MOUNT 4" CENTER WITH 4" GOOSENECK FAUCET MODEL #LK406GN04T4. PROVIDE SHUT OFF VALVE, 3/8" FLEX SUPPLIES AND P-TRAP. EQUIPPED AND INSTALLED FOR ADA ACCESSIBILITY (AS INDICATED ON ARCHITECTURAL DRAWINGS) WITH MODEL #LKAD174 OFFSET GRID DRAIN. PROVIDE TRUEBRO #103-EZ ADA LAV GUARD.	3/8"	3/8"	1-1/2"	ELKAY	ELV1817CS3
HR-2	HOSE REEL	AUTOMATIC REWIND, SUPREME DUTY HOSE REEL (BLACK) WITH 50 FEET OF 1/2" TOP GRADE AIR HOSE (RED). REEL INCLUDES A 2-3 FOOT CONNECTION HOSE AND MOVEABLE HOSE GUIDE ARM. MOUNT TO WALL. PROVIDE BLOCKING.	-	-	-	COXREELS	TSH-N-450-KXX

1. ALL FIXTURES LISTED IN THE PLUMBING FIXTURE SCHEDULE SHALL BE PURCHASED BY THE CONTRACTOR, AND INSTALLED BY THE CONTRACTOR. 2. ALL FIXTURES, EQUIPMENT, TRIM, FITTINGS, ETC. SHALL COMPLY WITH LOCAL, STATE AND/OR FEDERAL REGULATIONS AND CODES, INCLUDING BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES, AND THE AMERICANS WITH DISABILITIES ACT (ADA). THE SCHEDULE REFLECTS FIXTURES AND EQUIPMENT WHICH ARE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR CONTRACTORS BASE BID. WHERE SPECIFIED FIXTURES AND/OR EQUIPMENT ARE NOT IN COMPLIANCE WITH GOVERNING CODES AND REGULATIONS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR THE SUBSTITUTIONS OF COMPLYING FIXTURES, EQUIPMENT, FITTINGS, ETC. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTORS BASE BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES.

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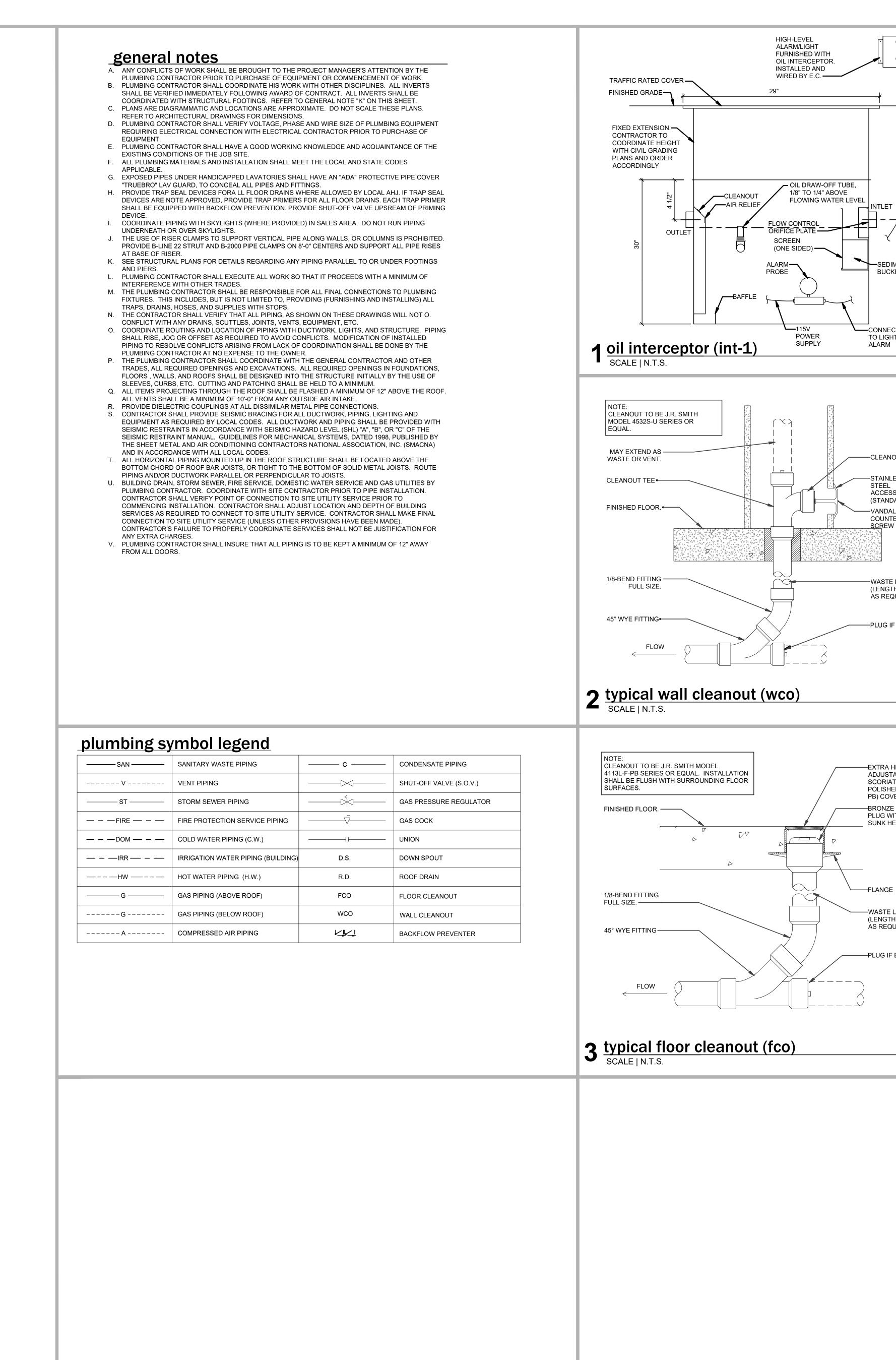
**LAKE CITY** TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



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BUCKET

CONNECTION

ALARM

TO LIGHT OR

——CLEANOUT PLUG

ACCESS COVER

COUNTERSUNK

-VANDAL PROOF (-U)

(STANDARD).

-WASTE LINE

-PLUG IF END OF LINE.

—EXTRA HEAVY DUTY

SCORIATED SECURED

-BRONZE TAPER THREAD

PLUG WITH COUNTER

POLISHED BRONZE (-

ADJUSTABLE

PB) COVER.

SUNK HEAD.

-WASTE LINE

——PLUG IF END OF LINE.

(LENGTH ÀS REQUIRED).

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(LENGTH AS REQUIRED).

----STAINLESS

STEEL

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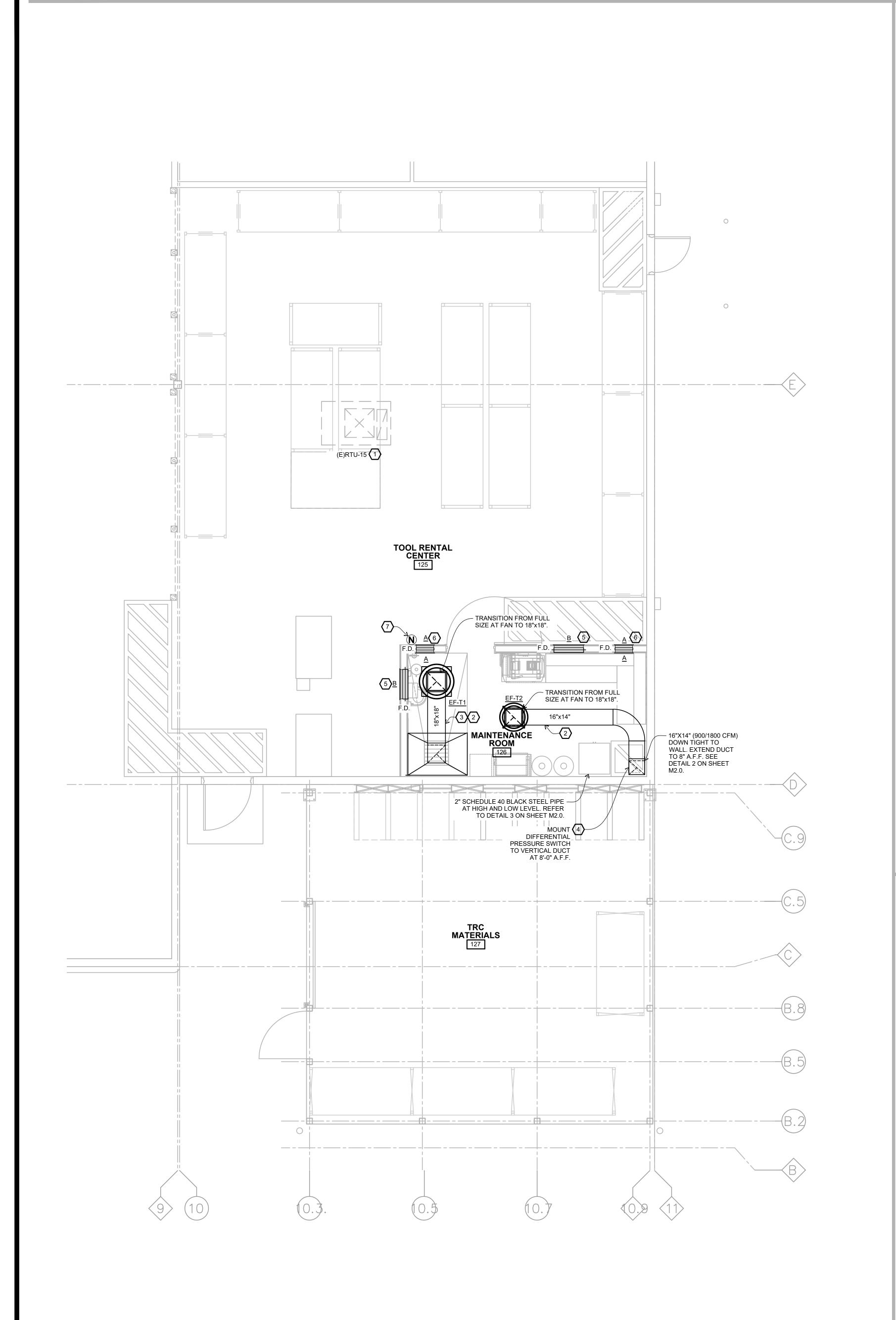


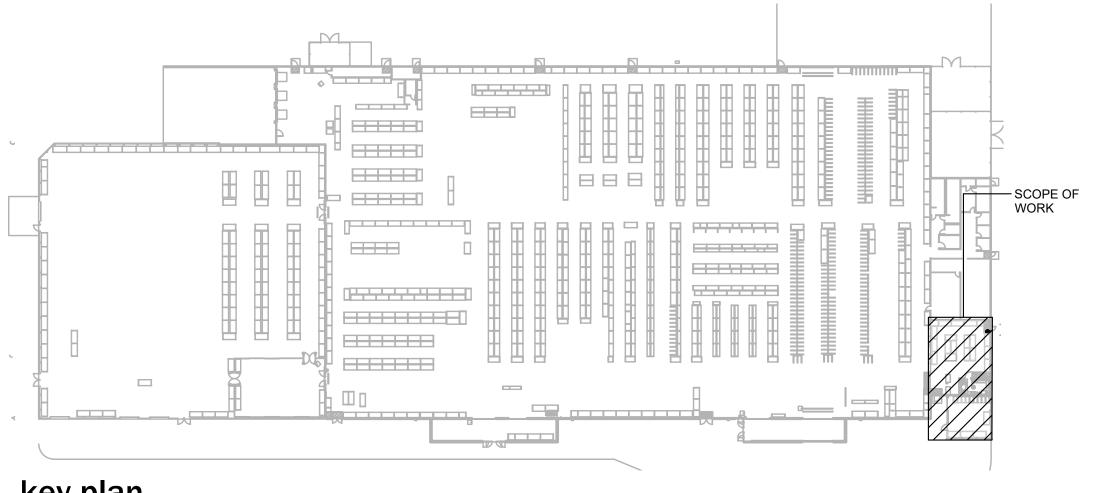
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key plan

SCALE | N.T.S.

### general notes

- A. THESE NOTES AND LEGENDS ARE TYPICAL FOR THE ENTIRE JOB UNLESS STATED OTHERWISE. ANY CONFLICTS OF WORK SHALL BE BROUGHT TO THE GENERAL CONTRACTORS ATTENTION BY
- B. MECHANICAL CONTRACTOR SHALL HAVE A GOOD WORKING KNOWLEDGE & ACQUAINTANCE OF THE EXISTING JOB SITE AS WELL AS THE CONDITIONS OF THE JOB SITE. C. THESE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO REPRESENT THE ACTUAL SITE CONDITIONS. CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO COMMENCING WITH WORK.
- DO NOT SCALE THESE PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND D. MECHANICAL CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH ITEM OF
- E. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER DISCIPLINES AND CHECK CLEARANCES TO PREVENT ANY CONFLICTS.
- F. PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT AS REQUIRED IN THE SPECIFICATIONS.
- G. SEE SPECIFICATIONS FOR TESTS REQUIRED BY THE MECHANICAL CONTRACTOR. H. ALL MECHANICAL WORK SHALL COMPLY WITH LOCAL, STATE, HVAC AND ENERGY CODES. I. SYSTEM SHALL BE AIR BALANCED, REFER TO SPECIFICATIONS. TAB REPORTS REQUIRED FOR

EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.

- J. DOOR GRILLES (IF REQUIRED) ARE BY DOOR MANUFACTURER. SEE ARCHITECTURAL PLANS FOR SIZE AND LOCATION.
- K. ALL OFFSETS AND TRANSITIONS NECESSARY TO SUCCESSFULLY CONSTRUCT THE DUCT DISTRIBUTION SYSTEM ARE NOT NECESSARILY SHOWN ON THESE PLANS BUT ARE STILL INCLUDED IN THE MECHANICAL CONTRACTORS SCOPE OF WORK. SOME OF THESE AREAS ARE CONNECTIONS AT CURBS, GRILLES, DIFFUSERS, FANS, EQUIPMENT AND OFFSETS OR
- TRANSITIONS TO AVOID OBSTRUCTIONS. L. SHEET METAL DUCTWORK SHALL BE GALVANIZED STEEL SHEETS OF THICKNESS AS RECOMMENDED, CONSTRUCTED AS DETAILED PER LATEST SMACNA CONSTRUCTION
- M. DUCTWORK THAT IS SHOWN ON SHEET PLANS: FIRST DIMENSION IS HORIZONTAL, SECOND IS VERTICAL. DUCT SIZES SHOWN ARE FREE AREA. IF CONTRACTOR CHOOSES TO USE INTERNAL DUCT LINER IN LIEU OF EXTERIOR DUCT WRAP, THE DUCT SHEET METAL SIZES SHALL BE ADJUSTED ACCORDINGLY.
- N. RETURN AND SUPPLY DUCTWORK SHALL BE ROUND OR SQUARE AS SHOWN. SEE DETAILS FOR DUCT FITTING CONSTRUCTION.
- O. VERTICAL DUCT DROPS EXTENDING FROM RTU SHALL BE ACOUSTICALLY LINED. P. ALL FITTINGS AND TAKEOFFS SHALL BE CONSTRUCTED AS DETAILED PER SMACNA OR APPLICABLE CODES, WHICHEVER IS MORE STRINGENT.
- Q. PROVIDE ACCESS PANEL IN ALL DUCTS WITH FIRE DAMPERS. IF DAMPER IS MOUNTED IN A TRANSFER DUCT WHERE ACCESS FOR RESETTING DAMPER CAN BE ACCOMPLISHED BY REMOVING GRILLE, AN ACCESS PANEL IS NOT NECESSARY.
- R. UPON COMPLETION OF GAS PIPING AND CONTROLS, MECHANICAL CONTRACTOR SHALL START ALL GAS FIRED EQUIPMENT. LOCK EQUIPMENT CONTROLS SUCH THAT ALL UNITS ARE RUNNING AT FULL LOAD CAPACITY. TAKE GAS PRESSURE READINGS AT EACH PIECE OF EQUIPMENT, AT THE UNIT GAS MANIFOLD DOWNSTREAM OF THE UNIT GAS COCK, WITH WATER TUBE MANOMETER, PROVIDE A WRITTEN REPORT TO THE ARCHITECT ITEMIZING THE RECORDED
- PRESSURE AT EACH LOCATION. S. CENTER THE ROOFTOP UNIT DUCT OPENINGS IN THE BAR JOIST SPACE TO ACCOMMODATE INSTALLATION OF SUPPLY/RETURN DUCT DROPS AS SHOWN ON THESE PLANS. COORDINATE
- WITH GENERAL CONTRACTOR. T. ROOF CURBS FURNISHED BY CONTRACTOR THROUGH S.P.P. TOP OF ROOF CURB SHALL BE LEVEL, BOTTOM SHALL BE SLOPED TO MATCH ROOF PITCH.
- U. EMS SENSORS ARE SHOWN ON THE MECHANICAL DRAWINGS FOR REFERENCE ONLY. EMS SENSOR INSTALLATION BY EMS VENDOR. CONDUIT AND J-BOX BY ELECTRICAL CONTRACTOR. V. PROVIDE RED PHENOLIC NAMEPLATES FOR EACH RTU AND EF WITH WHITE LETTERS 1-1/2" HIGH. INSTALL NAMEPLATES ON UNIT SIDE CLOSEST TO ROOF HATCH AS TO BE SEEN FROM ROOF HATCH. GLUE NAMEPLATE TO UNIT CABINET WITH GENERAL ELECTRIC RTV-106 ADHESIVE.
- COORDINATE PAINTING OF UNIT NUMBERS ON THE RTU ON THE ROOF (FACING THE ROOF HATCH) AS WELL AS ON THE BOTTOM OF DRUM LOUVER BOX WITH THE PAINTING CONTRACTOR, 8" HIGH STENCIL LETTERS, SPRAY PAINTED BLACK, AND NO OVERSPRAY. W. NO FOREIGN METALS WILL BE ALLOWED.
- X. ALUMINUM FLEXIBLE DUCTWORK NOT ALLOWED. Y. THE DRAWINGS ARE A COMPLETE SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING AND COORDINATING WITH OTHER TRADES, AND FOR KNOWING THE OVERALL BUILDING DESIGN INTENT.
- Z. SEISMIC BRACING REQUIREMENTS: CONTRACTOR SHALL PROVIDE SEISMIC BRACING FOR ALL DUCTWORK, PIPING, LIGHTING AND EQUIPMENT AS REQUIRED BY LOCAL CODES. ALL DUCTWORK AND PIPING SHALL BE PROVIDED WITH SEISMIC RESTRAINTS IN ACCORDANCE WITH SEISMIC HAZARD LEVEL (SHL) "A", "B", or "C" OF THE SEISMIC RESTRAINT MANUAL: GUIDELINES FOR MECHANICAL SYSTEMS, DATED 2008, PUBLISHED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA) AND IN ACCORDANCE WITH YOUR LOCAL (UMC, BOCA, SBCCI).
- AA. REFER TO HVAC SPECIFICATIONS. ALL WORK SPECIFIED UNDER THIS DIVISION SHALL BE DONE BY SKILLED MECHANICS AND SUBJECT TO THE INSPECTION AND FINAL APPROVAL OF THE ARCHITECT OF RECORD. SUCH FINAL APPROVAL SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DEFECTS IN EITHER WORKMANSHIP OR MATERIAL, WHICH MAY SUBSEQUENTLY DEVELOPED.
- AB. UPON COMPLETION OF STARTUP AND/OR COMPLETION OF TEST & BALANCE, CONTRACTOR SHALL SET THE RTU TO "NETWORK = RTU STANDALONE" MODE IF NOVAR NETWORK SENSORS AND CONTROLS ARE NOT INSTALLED YET. RTU WILL OPERATE OFF RETURN AIR TEMPERATURE SENSOR. COOLING SETPOINT SHALL BE 74°F AND HEATING SETPOINT SHALL BE 68°F.

### keyed notes

- (1) EXISTING ROOFTOP UNIT AND ASSOCIATED ACCESSORIES, DROP BOX DIFFUSER, GAS PIPING, AND CONDENSATE DRAIN TO REMAIN. FIELD VERIFY EQUIPMENT IS IN WORKING ORDER AND NOTIFY HOME DEPOT BUILDING SERVICES IF ANY REPAIRS ARE NECESSARY.
- (2) EXHAUST FAN DUCTWORK SHALL RUN AS HIGH AS POSSIBLE UNDER BOTTOM CHORD OF
- 3 ALL HORIZONTAL EXHAUST DUCTWORK FOR THE HOOD SHALL SLOPE DOWN 1/4" PER FOOT TOWARD THE HOOD TO ALLOW FOR DRAINAGE OF MOISTURE.
- 4 FURNISH AND INSTALL WHITE-RODGERS CONTROLS-VOLTAGE DIFFERENTIAL PRESSURE SWITCH MODEL #770-1, N.O. TO THE CONTROL SIDE. CONTROL CONTACT SHALL CLOSE AT DUCT AIR VELOCITY OF 250 FPM OR GREATER. UNIT SHALL BE U.L. LISTED. ELECTRICAL CONTRACTOR SHALL WIRE UNIT TO SHUT DOWN ELECTRICAL OUTLETS IN MAINTENANCE ROOF IF SWITCH INDICATES STOP IN AIR FLOW. SEE ELECTRICAL DRAWINGS.
- 5 FURNISH AND INSTALL 30"W x 24"H TRANSFER OPENING POSITIONED IN WALL PER PLANS. LOCATE 1'-0" BELOW BOTTOM OF JOIST. OPENING SHALL BE LINED AT A MINIMUM TO THE OVERALL ROUGH OPENING DIMENSION, 18 GAUGE GALVANIZED SHEET METAL SLEEVE WITH
- FIRE DAMPER. PROVIDE TRANSFER GRILLE ON SALES SIDE OF WALL ONLY AS INDICATED. (6) FURNISH AND INSTALL 18"W x16"H TRANSFER OPENINGS POSITIONED IN WALL PER PLANS. LOCATE AT 1'-0" ABOVE FINISHED FLOOR. OPENING SHALL BE LINED AT A MINIMUM TO THE OVERALL ROUGH OPENING DIMENSION, 18 GAUGE GALVANIZED SHEET METAL SLEEVE WITH
- FIRE DAMPER. PROVIDE TRANSFER GRILLE ON BOTH SIDES OF WALL AS INDICATED. (7) CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING RTU TEMPERATURE SENSOR. RELOCATE EXISTING SENSOR TO NEW LOCATION SHOWN. IF EXISTING CONTROL WIRING IS LONG ENOUGH TO REACH TO THE NEW SENSOR LOCATION, IT CAN BE REUSED, OTHERWISE IF EXISTING CONTROL WIRING DOES NOT REACH, PROVIDE NEW WIRING FROM SENSOR TO RTU - DO NOT SPLICE.

### exhaust fan schedule (furnished by contractor)

						El	LECTRICAL						
MARK	MANUFACTURER	MODEL	TYPE	CFM	EXT. S.P.	FAN H.P.	VOLTAGE	PHASE	SERVICE AREA	REMARKS			
EF-T1	GREENHECK	GB-180	CENTRIFUGAL-BELT	3250	0.50 in-wg	3/4	120	1	TRC HOOD	1,2,4			
EF-T2	GREENHECK	G-140-VG	CENTRIFUGAL-DIRECT	900/1800	00 0.50 in-wg 3/4 120				MAINT. ROOM	1,3,4			
REMA					-	•	•	•					
1. FURNISH WITH BACKDRAFT DAMPER, BIRD SCREEN, DISCONNECT, AND 18" HIGH STRUCTURAL CURB CALCULATED IN ACCORDANCE WITH LOCAL													
DESIGN WIND SPEEDS.  2. CONTROLLED BY MANUAL DPST TOGGLE SWITCH WITH HOOD LIGHT. REFER TO ELECTRICAL DRAWINGS FOR CONTROLS.													

### air device schedule (furnished by contractor)

MARK	MANUFACTURER	MODEL	FUNCTION	NECK SIZE	MODULE SIZE	MOUNTING	REMARK
Α	TITUS	350RL	TRANSFER GRILLE	18"x16"	-	SURFACE	1
В	TITUS	350RL	TRANSFER GRILLE	30"x24"	-	SURFACE	1

3. FAN TO HAVE TWO SPEED MOTOR AND SHALL RUN CONTINOUS AT LOW SPEED 24 HOURS A DAY. REFER TO ELECTRICAL DRAWINGS FOR CONTROLS.

### mechanical ventilation - o.a. requirements

				OCCUPA	ANT BASED CRI	TERIA	AREA BASI	ED CRITERIA	OCCUPANT +	ZONE AIR	MINIMUM
UNIT	LOCATION	AREA (SQ FT)	OCCUPANT LOAD PER 1000 SQ FT	LOAD	OUTDOOR AIR PER PERSON (CFM)	OCCUPANT BASED OUTDOOR AIR (CFM)	OUTDOOR AIR (CFM PER SQ FT)	AREA BASED OUTDOOR AIR (CFM)	AREA BASED	DISTRIBUTION EFFECTIVENESS	OUTDOOR AIR
(E)RTU-15	TRC	1728	15	10*	7.5	75	0.12	208	283	0.8	354
	MAINT. ROOM	212	-				0.12	26	26	0.8	33
	TOTAL	1940				75		234	309	0.8	387
BASED ON		MAXIMU	M OCCUPANT LO	AD RATE INDI	CATED IN TABLE	PTION: "THE OCCUPA : 403.3.1.1 WHERE AP					

evictin	g equipi	ment so	hedule
<u>CXISUII</u>	<u>e euuipi</u>	HEIL SU	<u> </u>

4. HIGH WIND RATED (+/- 150 PSF RATING).

	<del>5 0 q a.</del>	<del>                                      </del>					1													
													HEA	TING			COOLIN	G		UNIT
								FAN	MCA	MOCP	SEER	EER	INPUT	OUTPUT	NOM.	TOTAL	SENSIBLE			WEIGHT
	MANUFACTURER	MODEL	CFM	O.A. CFM	EXT. S.P.	VOLTAGE	PHASE	HP	(AMP)	(AMP)			MBH	MBH	TONS	MBH	MBH	E.D.B	E.W.B	(LB)
(E)RTU-15	LENNOX	LGH060U4E	2000	400	0.50 in-wg	460 V	3	1	15	20	19.5	12.5	150	120	5	58.0	44.0	80 °F	67 °F	EXIST

THE CONTRACTOR PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.

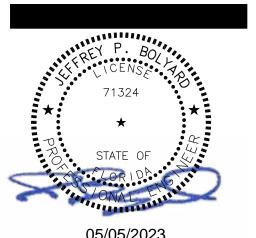
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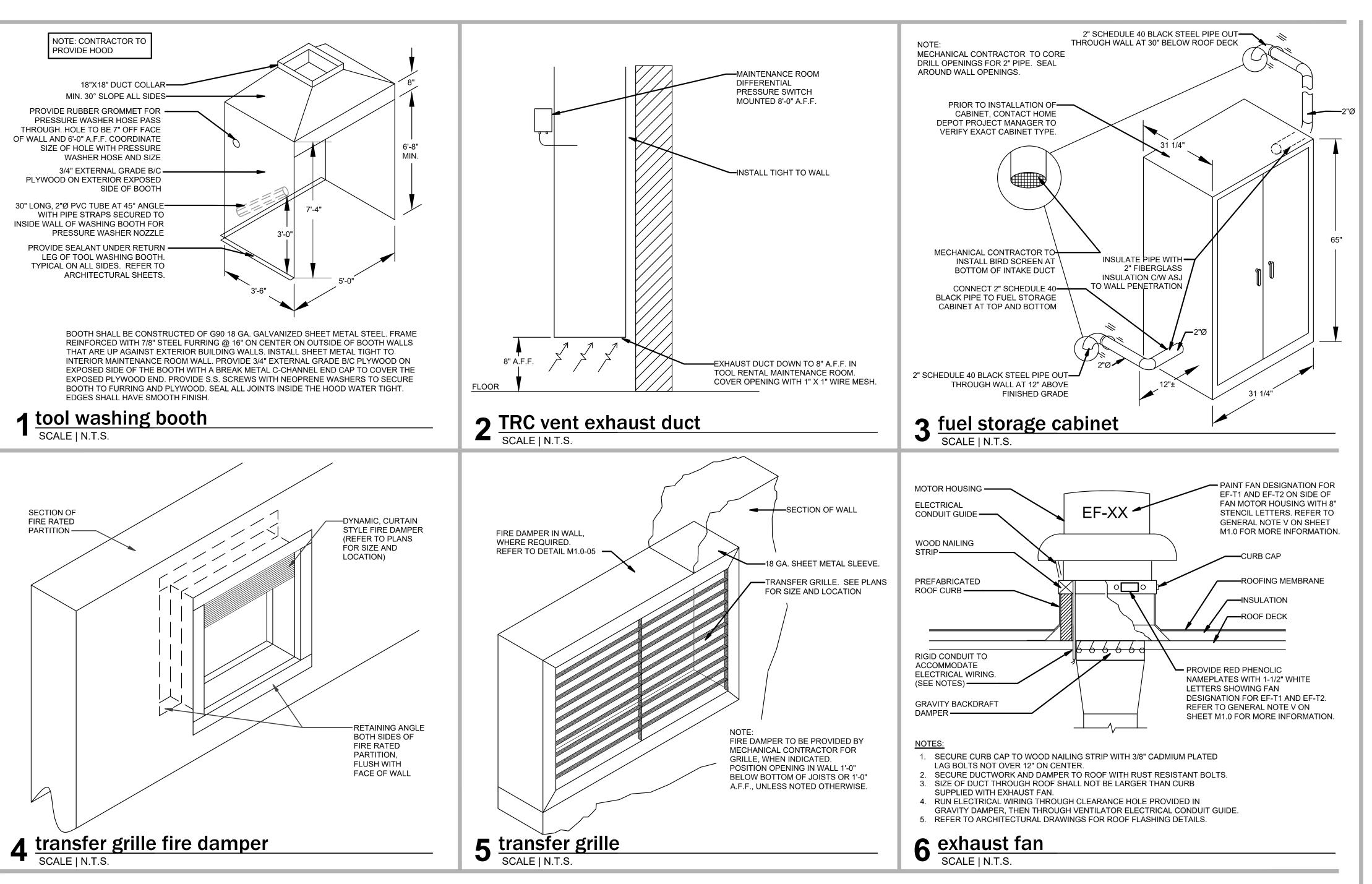
215 SW HOME DEPOT DR LAKE CITY, FL 32025



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<u>mechanical</u>	symbols legend
$\boxtimes$	SUPPLY AIR DIFFUSER
	RETURN GRILLE
	EXHAUST AIR GRILLE
Z Z	DUCT TRANSITION
()	MVD - MANUAL VOLUME DAMPER
− <del>□</del> F.D.	DYNAMIC FIRE DAMPER, 1-1/2 HR U.N.O. TYPE B OR C
<b></b> \ <b></b> ⊳	DIRECTION OF AIR FLOW
D.G.	DOOR GRILLE
U.C.	UNDERCUT (-3/4")
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
T	THERMOSTAT
N	NOVAR SPACE TEMPERATURE SENSOR
HT	COMBO HUMIDITY/TEMP SENSOR
©	CO2 SENSOR
$oldsymbol{H}$	HUMIDITY SENSOR
<u>D</u> ←	−DIFFUSER TYPE −CFM





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SPECIAL PURCHASE VEND	OR (SP	V) - REF	ERENC	E LIST
ITEM	SUPPLIED BY	INSTALLED BY	POWER SUPPLY	ELECTRICAL CONNECTION
CLOSED CIRCUIT TELEVISION (CCTV)	OWNER	OWNER	VENDOR	OWNER
DISTRIBUTION EQUIPMENT INCLUDING PANELBOARDS, CONTACTORS, TRANSFORMERS, DISCONNECTS, AND CIRCUIT BREAKERS.	CONTRACTOR	SEE ONE-LIN	E DIAGRAM ON TH	HIS SHEET
BUILDING LIGHT FIXTURES	CONTRACTOR	CONTRACTOR	CONTRACTOR	CONTRACTOR
OTE:		1		

GENERAL CONTRACTOR TO PROVIDE CRITICAL PATH SCHEDULE INCLUDING ALL S.P.V. ITEMS

TO OWNER ONE (1) WEEK AFTER AWARD OF CONTRACT.

REFER TO SPECIFICATIONS FOR DETAILS.

THE HOME DEPOT I	PROCUI	REMEN	T ITEMS	
ITEM	SUPPLIED BY	INSTALLED BY	POWER SUPPLY	ELECTRICAL CONNECTION
EXTERIOR SIGNAGE	CONTRACTOR	CONTRACTOR	CONTRACTOR	CONTRACTOR
CHECKOUT STANDS AND REGISTERS	OWNER	CONTRACTOR	CONTRACTOR	CONTRACTOR
INFORMATION TRANSPORT SYSTEM, IDF CABINETS	OWNER	CONTRACTOR	CONTRACTOR	CONTRACTOR

Γ	THE HOME DEPOT	PROCUI	REMENT	Γ ITEMS	
CAL TION	ITEM	SUPPLIED BY	INSTALLED BY	POWER SUPPLY	ELECTRICAL CONNECTION
	EXTERIOR SIGNAGE	CONTRACTOR	CONTRACTOR	CONTRACTOR	CONTRACTOR
₹	CHECKOUT STANDS AND REGISTERS	OWNER	CONTRACTOR	CONTRACTOR	CONTRACTOR
	INFORMATION TRANSPORT SYSTEM, IDF CABINETS	OWNER	CONTRACTOR	CONTRACTOR	CONTRACTOR

0	(75)		4 5	6 7	8 9 1	
		EXISTING PANEL "MDP-B" EXISTING				
		PANEL "MDP-A"				K
					EVICTING DANIEL "IS1"	H
					EXISTING PANEL "IS1"— EXISTING PANEL "SB"——	
						PANEL "HT"  TRANSFORMER 'TLT'
						E PANEL "LT1"
,			EXISTING IDF CABINET	"C"		PANEL "LT2"
		EXISTING PANEL "IS2"				B
		EXISTING PANEL "R"				——————————————————————————————————————
(0)	(06) (0.1) (0.2) (0.3) (0.4) (48) (0.5) (0.6) (0.7) (0.8)	8) (0.9) 1) (2.5) (2.8) (3.2) (3.5)	5) (3.8) (4.2)	6.4) 6.7)6.8) (7.1)7	7.2) (7.5)(7.7)	SEE RISER DIAGRAM FOR WIRE SIZE
				(1) #12 GF 3/4" SCHE	ECEPTACLE ROUND EDULE 80 PVC CONDUIT FORMAT EQUIPMENT)	LOW VOLTAGE SUBSTATION TRANSFORMER TCP AND PANEL CP
						1 LFE-1 CP-1,3
				LARGE FORMAT EQUIPMENT A OF WORK. SEE "C1" SHEETS F EXACT LOCATION OF EQUIPM BOLLARD LOCATIONS.	FOR !!	CP-5,7
						CP-9,11
						1 LFE-4 CP-2,4
	✓ overall electrical plan					TYP CP-6,8 2 E1.0

### project notes:

- A. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER AND SHALL BE UNDERSTOOD AS ONE. IN THE EVENT OF A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. IF A CONFLICT CANNOT BE RESOLVED IN THIS MANNER, IT SHALL BE REFERRED TO THE ENGINEER FOR RESOLUTION.
- B. SEE E6.0 FOR SYMBOLS LEGEND AND ABBREVIATIONS.

### key notes:

- 1. LARGE FORMAT EQUIPMENT PEDESTAL.
- 2. DIRECT BORE UNDERGROUND FROM BUILDING EXTERIOR TO LOW VOLTAGE SUBSTATION PER CONSTRUCTION MANAGER DIRECTION. BACKFILL AND REPAIR CONCRETE/ASPHALT TO MATCH
- 3. ELECTRICAL CONTRACTOR SHALL PROVIDE A LOW VOLTAGE SUBSTATION AND PANEL. SEE RISER FOR MORE INFORMATION.

TWO (2) VENDOR FURNISHED CONTRACTOR INSTALLED DUPLEX GFCI RECEPT WITH ONE (1) DUPLEX RECEPT PER

PHASE CONDUCTOR

TO COMPLETE INSTALLATION

3/4" CONDUIT SHALL BE SET AT 4'-11" AND CAPPED UNTIL INSTALLERS ARRIVE

ELECTRICAL CONTRACTOR SHALL PULL WIRE FROM CAPPED CONDUIT INTO THE BOX AND MAKE FINAL

NOTE: GC MAY ELECT FOR McCUE TO INSTALL ITEMS

NOTE: SEE A3 SHEETS FOR

THEY PROVIDE. GC TO COORDINATE w/McCUE.

MORE INFO.

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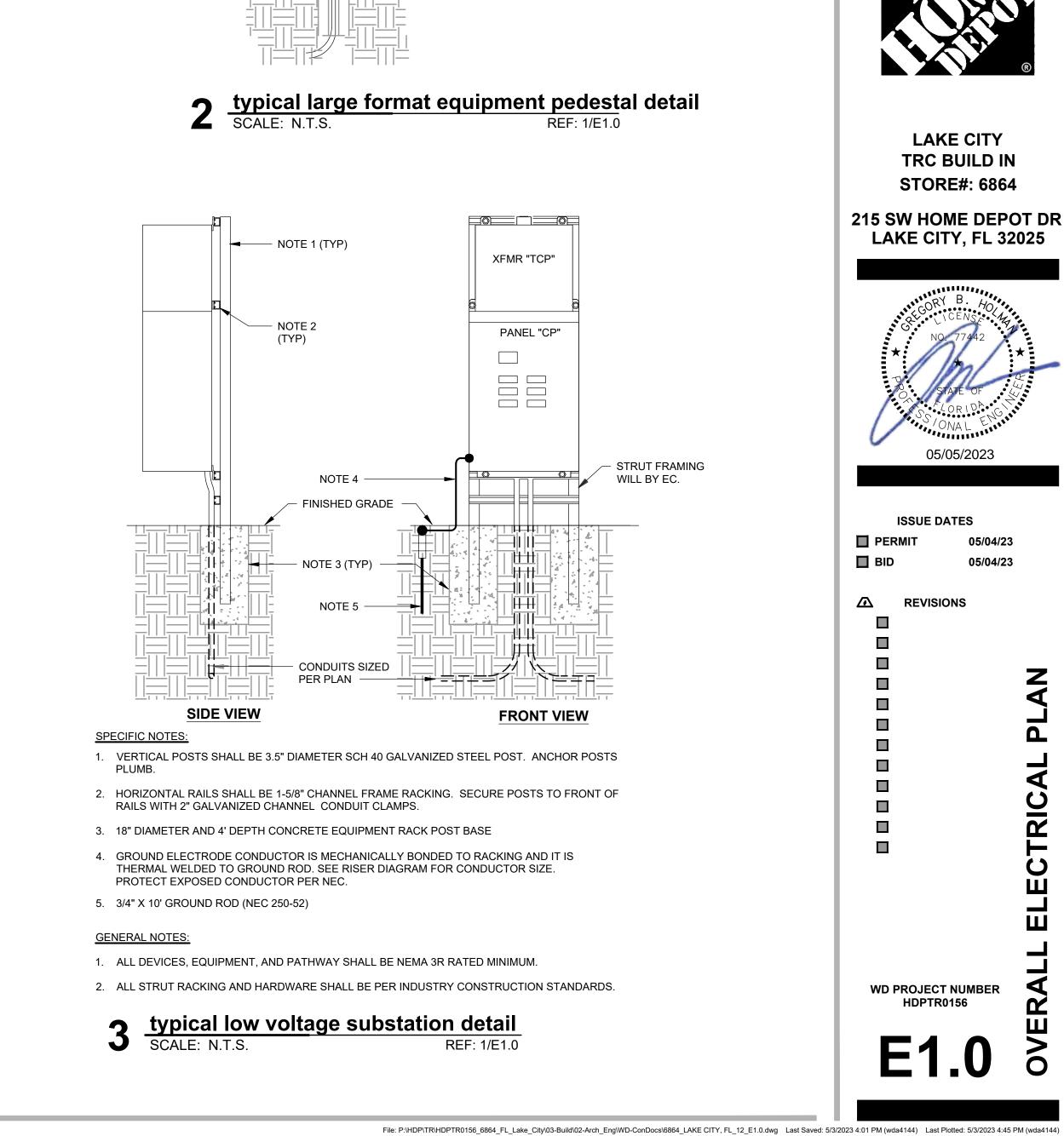


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215 SW HOME DEPOT DR



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overall electrical plan
SCALE: 1/32" = 1'-0"

1. ALL LIGHT FIXTURES FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO CONTACT ORION LIGHTING. 2. PROVIDE AUTOMATIC OFF FUNCTIONALITY VIA LUMINAIRE LEVEL LIGHTING CONTROLS FOR TYPES A AND A1. DO NOT DISCONNECT LIGHTING CONTROL SENSORS

DURING INSTALLATION. NOT USED.

4. CONTRACTOR TO FIELD VERIFY LUMINAIRE IS CONFIGURED FOR 4000K CCT AND 5,000 LUMENS FOR ALL E2 FIXTURES.

project notes:

NOTE: CONTRACTOR SHALL DOCUMENT ALL EXISTING CIRCUITS UTILIZED ON AS-BUILT REDLINE MARKUPS AS PART OF PROJECT CLOSEOUT.

SEE A.1 SERIES FOR EXTERIOR LIGHTING ELEVATIONS.

ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO BOTTOM OF FIXTURE (CLEAR HEIGHT).

key notes:

MOUNT FIXTURE AS HIGH AS POSSIBLE ON BACK WALL OF WASH DOWN BOOTH. ALL RACEWAYS AND ENCLOSURES SHALL BE SUITABLE FOR WET LOCATION AREA PER NEC. CONNECT NEW EMERGENCY EGRESS LIGHT FIXTURE TO EXISTING SPARE 277V, 20A/1P CIRCUIT

CONTACTOR THAT ALSO CONTROLS EXISTING EMERGENCY PARKING LOT LIGHTS. PROVIDE SINGLE GANG JUNCTION BOX AND SPST 20A-1P TOGGLE SWITCH FOR POWER TO TOOL RENTAL LED SIGN. SIGN CONTRACTOR TO FURNISH UP TO TWO SURFACE MOUNTED POWER SUPPLIES FOR TRC SIGN, INSTALLED BY ELECTRICAL CONTRACTOR. THE 120V POWER FOR SIGN POWER SUPPLIES TO BE ROUTED FROM PANEL "LT" THROUGH TOGGLE SWITCH TO JUNCTION BOX. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS FROM JUNCTION BOX TO POWER SUPPLIES. SIGN CONTRACTOR TO FURNISH PRE-CUT SECONDARY WIRING FOR CONNECTION FROM EACH POWER SUPPLY TO SIGN. ELECTRICAL CONTRACTOR SHALL NOT CUT OR OTHERWISE MODIFY THIS CONDUCTOR. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND INSTALL THE CONDUCTORS SUPPLIED BY SIGN CONTRACTOR FROM POWER SUPPLY TO SIGN. ELECTRICAL CONTRACTOR AND SIGN CONTRACTOR MUST FIELD COORDINATE FINAL POWER SUPPLY AND SIGN LOCATION. PROVIDE ENGRAVED NAMEPLATE AT SWITCH. SEE TOGGLE SWITCHPLATE ENGRAVING MATRIX.

BREAKER IN EXISTING PANEL 'EM'. ROUTE NEW CIRCUIT THROUGH EXISTING UL924 EMERGENCY

CONNECT NEW LIGHT FIXTURE TO EXISTING ADJACENT 24-HR EMERGENCY LIGHTING CIRCUIT CONNECTED TO A GENERATOR BACKED EMERGENCY PANEL. CONTRACTOR SHALL FIELD VERIFY THAT NEW LOAD WILL NOT OVERLOAD THE EXISTING CIRCUIT.

SIGNAGE CONTRACTOR SHALL BRING THE 120V LINES THROUGH THE WALL, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 3R BOX AND TERMINATE EACH SET OF WIRES (ONE PER LETTER) AND ROUTE THROUGH BUILDING TO EXISTING PANEL 'LT2'. COORDINATE THE EXACT LOCATION OF THE JUNCTION BOXES, TERMINATIONS, AND REQUIREMENTS WITH THE BUILDING SIGNAGE CONTRACTOR. ALL THE WIRING SHALL BE COMPLETE BY THE FIXTURE INSTALL DATE. SIGN TO BE CIRCUITED VIA WALL SWITCH.

PROVIDE ENGRAVED NAMEPLATE AT SWITCH. SEE TOGGLE SWITCHPLATE ENGRAVING MATRIX. SEE POWER PLAN FAN LOCATION AND CONTINUATION.

PROVIDE SINGLE GANG TOGGLE SWITCH. FOR TRC MENU BOARD. PROVIDE ENGRAVED NAMEPLATE AT SWITCH SEE TOGGLE SWITCHPLATE ENGRAVING MATRIX.

8. EXISTING LIGHT FIXTURE TO REMAIN. CONTRACTOR SHALL CLEAN AND REPAIR SPACE FOR PROPER OPERATION. 9. CONTRACTOR TO RUN ELECTRICAL CONDUIT IN FIRE RATED WALL. CONTRACTOR TO INSTALL RECESSED JUNCTION BOX FOR HARD WIRED LED SIGN AND CONTRACTOR TO MAINTAIN FIRE RATED ELECTRICAL FIXTURES, CONDUITS, AND MATERIALS PER LOCAL CODE AND JURISDICTION

AS NEEDED. SEE ARCHITECT FOR RATINGS AND REQUIREMENT OF FIRE RATED WALLS. 10. SEE ARCHITECTURAL A3 AND STRUCTURAL S2 SERIES DRAWINGS FOR ADDITIONAL MOUNTING REQUIREMENTS.

11. PROVIDE TOGGLE SWITCH FOR TRC MATERIALS (VERIFY LOCATION). PROVIDE ENGRAVED NAMEPLATE AT SWITCH. SEE TOGGLE SWITCHPLATE ENGRAVING MATRIX.

CONNECT NEW LIGHT FIXTURE TO EXISTING ADJACENT EXTERIOR LIGHTING CIRCUIT INDICATED ON EXISTING LIGHTING PANEL "HA". CONTRACTOR SHALL FIELD VERIFY THAT NEW LOAD WILL NOT OVERLOAD THE EXISTING CIRCUIT.

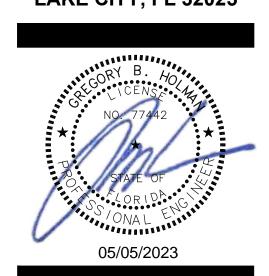
NOTE: CONTRACTOR SHALL DOCUMENT ALL EXISTING CIRCUITS UTILIZED ON AS-BUILT REDLINE MARKUPS AS PART OF PROJECT CLOSEOUT.

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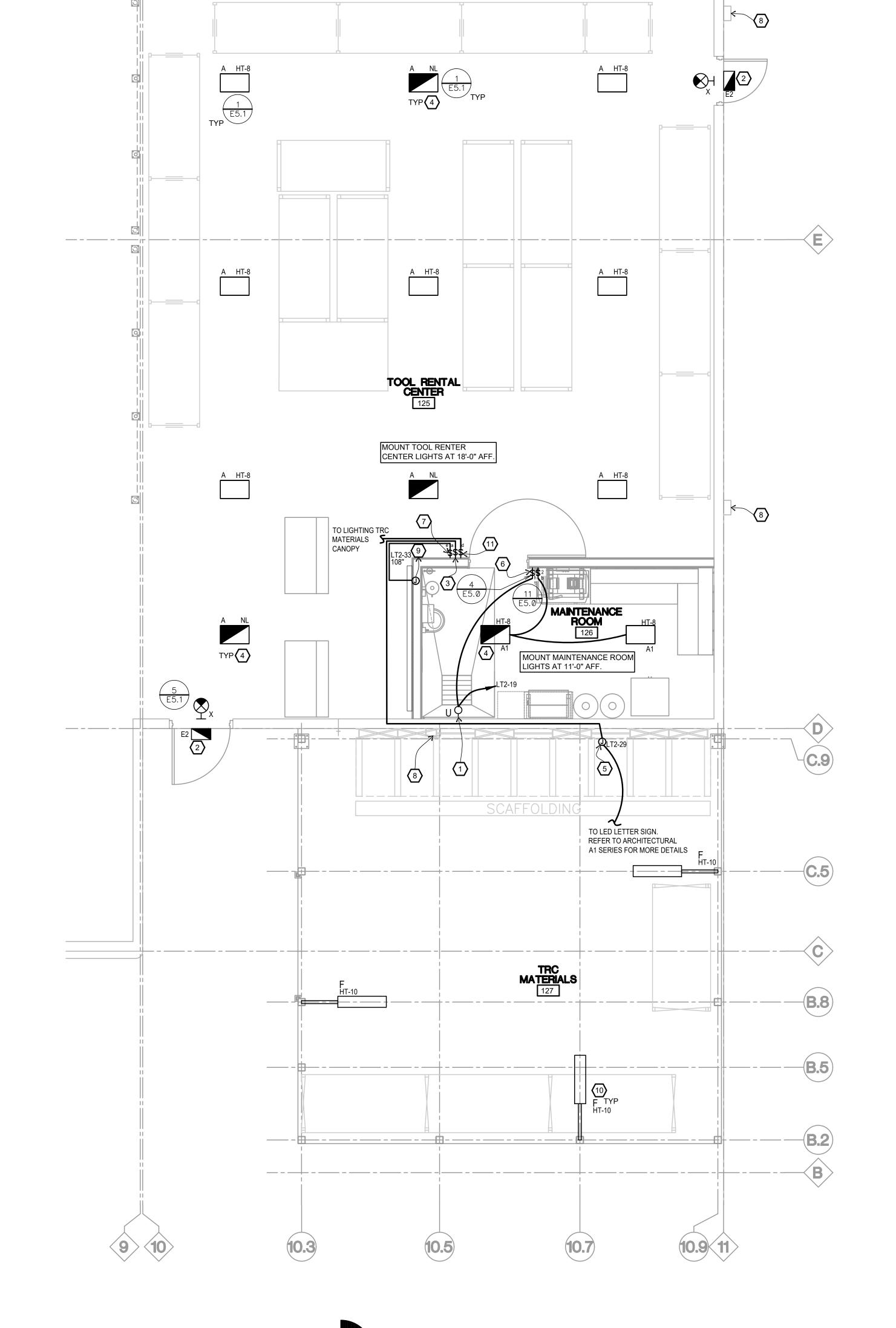
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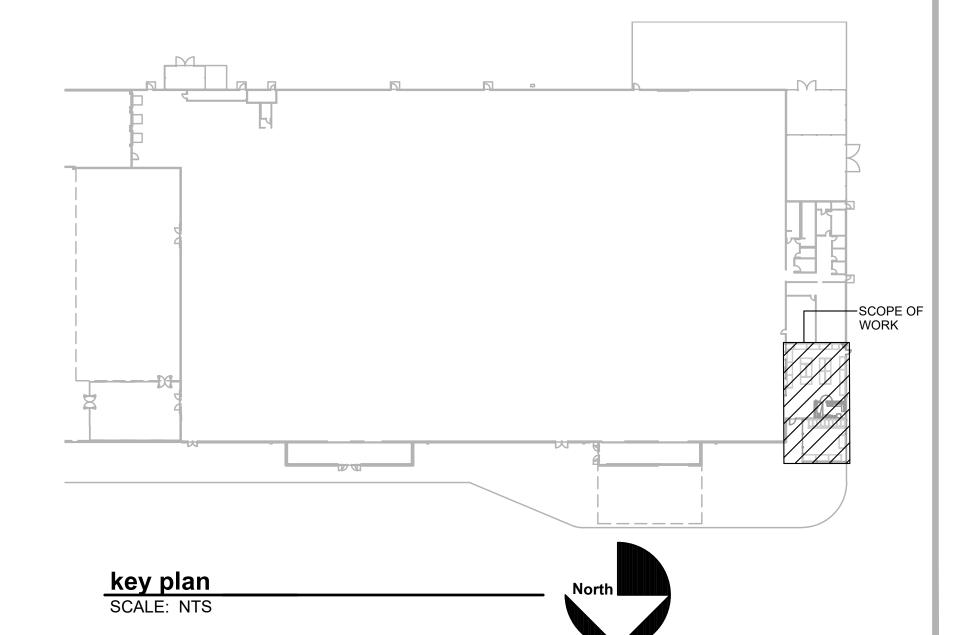
LAKE CITY TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



WD PROJECT NUMBER





### TRC MAINTENANCE ROOM EQUIPMENT SCHEDULE **EQUIPMENT CHARACTERISTICS** DESCRIPTION DISCONNECT SW/ **REMARKS** RECEPTACLE TYPE **MODEL NUMBER** AIR COMPRESSOR NOTES 1,2,3 NEMA 5 -20, 5 - 20P 2 #12, 1 #12G -PRESSURE WASHER NEMA 5 -20, 5 - 20P NOTES 1,2,3,4 2 #12, 1 #12G -PARTS WASHER NEMA 5 -15, 5 - 15P NOTES 1,2,3 1. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT NAMEPLATE DATA AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES. 2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONTROL CONDUIT AND WIRING TO MECHANICAL EQUIPMENT, AND MAINTENANCE ROOM

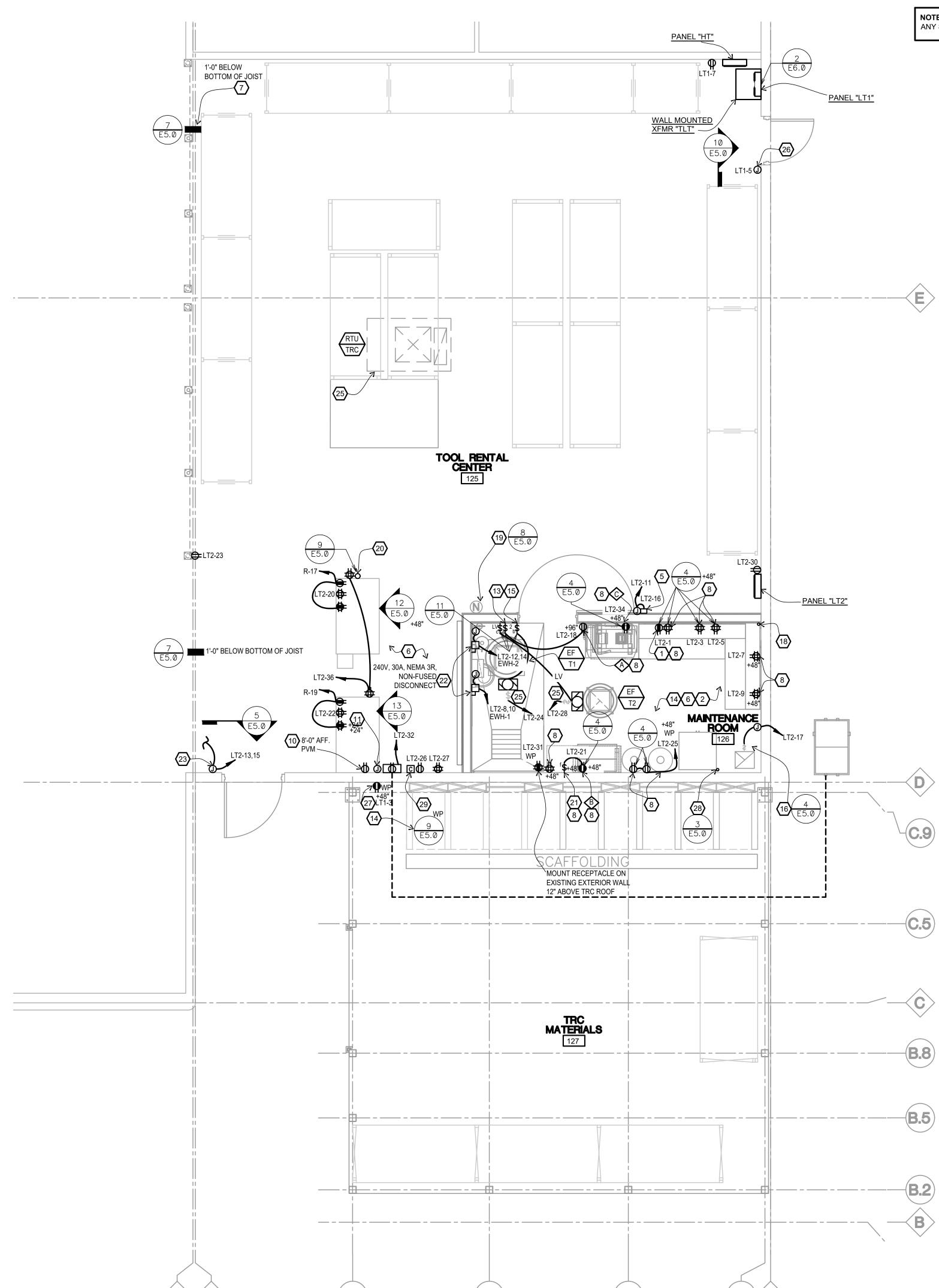
EQUIPMENT AS REQUIRED. 3. ROUTE THROUGH CONTACTOR AS INDICATE ON DETAIL 4 ON SHEET E5.0-4.

4. REMOVE EQUIPMENT SUPPLIED DEVICE AND REPLACE WITH 5-20P PLUG

NOT USED.

NOT USED.

ANY SINGLE DUPLEX RECEPTACLE INSTALLED ON A DEDICATED BRANCH CIRCUIT SHALL HAVE AMPERE RATING NOT LESS THAN 20 AMPERE.



1a trc & trc exterior power plan
SCALE: 1/4" = 1'-0"

project notes:

ALL SLEEVES ON THIS SHEET SHALL BE LOCATED IN APPROXIMATE LOCATION NOTED ON PLANS PER CONTRACT DOCUMENTS.

### key notes:

PROVIDE DEDICATED CIRCUIT FOR TRC COMPUTER TO EXISTING SPARE CIRCUIT IN PANEL 'IS2'. CONTRACTOR SHALL FIELD VERIFY THAT NEW LOAD WILL NOT OVERLOAD THE EXISTING PANEL. IF NO SPARE AVAILABLE OR ADDITION CAUSES PANEL TO BE OVERLOADED, CONTRACTOR SHALL

ALL CONDUIT, BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE FIRESTOP AT WALL PENETRATIONS.

NOT USED NOT USED

MAGNETIC DOOR HOLDER IS PROVIDED BY HARDWARE SUPPLIER AND IS INSTALLED AND POWERED BY ELECTRICAL CONTRACTOR. THE FIRE ALARM CONTRACTOR WILL SUPPLY THE CABLE FROM THE RELAY TO THE DOOR HOLDER. THE FIRE ALARM WILL TERMINATE THE CABLE AT THE RELAY AND THE EC WILL TERMINATE THE CABLE AT THE DOOR HOLDER.

COORDINATE INSTALLATION OF ALL ELECTRICAL WORK IN THE COUNTER AREA WITH THE MILLWORK CONTRACTOR. PROVIDE ALL DEVICES SURFACE MOUNTED IN LOCATIONS AS DIRECTED BY THE HOME DEPOT PROJECT MANAGER. DEVICES SHOWN ARE FOR QUANTITIES AND ELECTRICAL CONNECTIONS ONLY. SEE SHEET A2.0 DETAILS 02, 03, 05 FOR ELEVATIONS.

PANEL "HT" POWER FEEDERS. REFER TO SHEET E6.0.

RECEPTACLES ROUTE THROUGH CONTACTOR, TRC 1.

PROVIDE POWER TO SUMP PUMP (SP-1) CONTROL PANEL WITH CONNECTION TO SUMP PUMP VIA SEPARATE BRANCH CIRCUIT. COORDINATE EXACT REQUIREMENTS IN FIELD WITH SUMP PUMP SUPPLIER.

PROVIDE DEDICATED CIRCUIT FOR PVM TO EXISTING SPARE CIRCUIT IN PANEL 'IS2'. CONTRACTOR SHALL FIELD VERIFY THAT NEW LOAD WILL NOT OVERLOAD THE EXISTING PANEL. IF NO SPARE AVAILABLE OR ADDITION CAUSES PANEL TO BE OVERLOADED, CONTRACTOR SHALL SURFACE MOUNT JUNCTION BOX AT 24" AFF. RUN (2) 3/4" CONDUITS, ONE EACH FOR 'LT2' AND

CR1' POWER CIRCUITS, SURFACE MOUNTED TO JUNCTION BOX. RUN FLEX CONDUIT FROM JUNCTION BOX TO RECEPTACLES IN EXISTING WIREWAY INSIDE PRO DESK.

PROVIDE TOGGLE SWITCH FOR AIR COMPRESSOR (VERIFY LOCATION). PROVIDE ENGRAVED NAMEPLATE AT SWITCH "SEE TOGGLE SWITCH PLATE ENGRAVING MATRIX".

1" CONDUIT WITH ALARM WIRING (ELECTRICAL CONTRACTOR) AND POWER WIRING FROM HIGH LEVEL ALARM PANEL TO THE EXTERIOR OIL INTERCEPTOR. MOUNT ALARM PANEL 60" AFF. SEE PLUMBING AND MANUFACTURER INSTALLATION INSTRUCTIONS FOR CONNECTION TO OIL INTERCEPTOR. HIGH LEVEL ALARM BELL/LIGHT PANEL PROVIDED WITH OIL INTERCEPTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR ALL TRENCHING AND BACKFILL (INCLUDING

CONCRETE PATCHING) BY ELECTRICAL CONTRACTOR. 15. EF-T1 TO BE CONTROLLED THROUGH COMMON DPST TOGGLE WALL SWITCH FOR HOOD LIGHT AND EF-T1. DPST SWITCH TO CONTROL HOOD FAN EF-T1 AND LIGHT SIMULTANEOUSLY. SEE LIGHTING PLAN FOR SWITCH LOCATION AND CONTINUATION. SAME SWITCH AS NOTED ON 1a/E2.0

VIA KEYNOTE 6. 16. DIFFERENTIAL PRESSURE SWITCH MOUNTED IN EXHAUST FAN DUCT TO CONTROL POWER TO MAINTENANCE ROOM RECEPTACLES.

. NOT USED.

18. DROP (2) 1" CONDUIT IN CORNER, ROUTE HORIZONTAL AT 48" AFF. BELOW SHELVING UNIT FOR RECEPTACLES ABOVE COUNTER. 1 FOR POWER AND 1 FOR DATA. . TRTU TEMP SENSOR LOCATION FOR HVAC EQUIPMENT PROVIDED BY VENDOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR PROVIDE JUNCTION BOX WITH 1/2" CONDUIT STUB-UP. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR. EMSCC TO PROVIDE CABLING AND

CONNECTION BETWEEN UNIT AND CONTROLS. 2-CHANNEL POWER POLE (BRONZE FINISH) FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR (1) 3/4" CONDUIT FOR 'LT' POWER CIRCUIT, (1) 3/4" CONDUIT FOR 'CR1' POWER CIRCUIT, AND (1) 1" CONDUIT FOR LOW VOLTAGE CABLING. VERIFY LOCATION WITH HOME DEPOT PROJECT MANAGER.

PROVIDE TOGGLE SWITCH FOR PRESSURE WASHER (VERIFY LOCATION). PROVIDE ENGRAVED NAMEPLATE AT SWITCH "SEE TOGGLE SWITCH PLATE ENGRAVING MATRIX".

22. PROVIDE SURFACE MOUNTED NEMA 3R DISCONNECT SWITCH FOR DIRECT CONNECTION OF FLECTRIC WATER HEATER CONDUCTORS, INSTALL WITH ALL WEATHER PROOF CONDUIT BETWEEN DISCONNECT AND ELECTRIC WATER HEATER AND TO A MINIMUM HEIGHT OF 7'-0" AFF. COORDINATE EXACT MOUNTING LOCATION WITH THE PLUMBING CONTRACTOR.

PUSH BUTTON SWITCH TO CONNECT TO THE ELECTRIC DOOR STRIKE AND EXIT ALARM. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR INFORMATION. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, WIRE AND JUNCTION BOXES FOR EGRESS ALARMED DEVICES. SEE KEYNOTE 16 E4.0 FOR CONTINUATION.

24. NOT USED.

5. EXISTING RTU POWER CONNECTION TO REMAIN. PROVIDE CONDUIT, WIRE AND JUNCTION BOXES FOR EGRESS ALARMED DEVICES.

DUPLEX RECEPTACLE WITH "WEATHERPROOF WHILE-IN-USE" COVER PLATE LOCATED ON WALL OR FENCE. ROUTE SURFACE MOUNTED RIGID GALVANIZED CONDUIT TIGHT TO WALL OR FENCE AS REQUIRED BACK TO BUILDING, SURFACE MOUNTED AT 48" AFG COORDINATE LOCATION WITH HOME DEPOT REPRESENTATIVE PRIOR TO ROUGH-IN.

PROVIDE GROUNDING ROD FROM BELOW GRADE UP TO 6" AFF. FOR GROUNDING OF FUEL STORAGE CABINET. INTERCONNECT RODS WITH MINIMUM #4 AWG BARE COPPER, AND CONNECT FUEL STORAGE CABINET TO INTERNAL GROUND WITH MINIMUM #4 AWG. CONNECT USING #4/0 BARE COPPER TO BUILDING STEEL.

9. PROVIDE CONTACTOR TRC-1 FOR RECEPTACLES AND CONTROLS.

LOCATION OF PNEUMATIC TUBE DROP. REFER TO ARCHITECTURAL.

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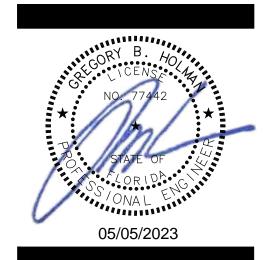
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LAKE CITY TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



REVISIONS

WD PROJECT NUMBER

SCOPE OF

### project notes:

- ALL SLEEVES ON THIS SHEET SHALL BE LOCATED IN APPROXIMATE LOCATION NOTED ON PLANS PER CONTRACT DOCUMENTS.
- 2. ALL P.O.S. AND DATA CABLES TO BE PROVIDED BY ITS CONTRACTOR. THE ELECTRICAL CONTRACTOR IS TO PROVIDE RACEWAY AND JUNCTION BOXES FOR CABLE.

- INTERIOR CAMERA (WALL MOUNT). MOUNTED AT 6' AFF
- EXTERIOR CAMERA (WALL MOUNT). PROVIDE 1" CONDUIT SLEEVE.
- EXTERIOR CAMERA (WALL MOUNT). 6' DOWN FROM TOP OF PARAPET. IF LARGE EQUIPMENT IS STORED ON SIDE OF BUILDING, MOUNT CAMERA ON SIDE WALL, PROVIDE 1" CONDUIT. 4. SPEAKER (WALL MOUNTED) - PROVIDE JUNCTION BOX 10' AFF. AND CONDUIT STUBBED IN CEILING
- OUTSIDE MAINTENANCE ROOM FOR SPEAKER. MAINTENANCE ROOM CAMERA (WALL MOUNTED). PROVIDE 1" CONDUIT FOR CAMERA TO BE WALL MOUNTED ABOVE EYEWASH STATION.
- WALL MOUNTED CAMERA. PROVIDE 1" CONDUIT 12' AFF. WITH JUNCTION BOX FROM THE SIDE OR
- PENDANT MOUNT 360° CAMERA. PROVIDE 1" CONDUIT WITH JUNCTION BOX.
- EXTERIOR CAMERA. PROVIDE 1" CONDUIT. CONDUIT WILL STUB UP ABOVE CEILING OF INTERIOR OF BUILDING. EXTERIOR PENETRATION AT 12' AFF.
- RUN 1" CONDUIT ON CAGE FRAMING TO WALL PENETRATION AND MOUNT JUNCTION BOX TO
- FENCE POST. EXTERIOR PENETRATION AT 12' AFF. 10. PROVIDE 1" CONDUIT AND JUNCTION BOX FOR WALL MOUNTED SPEAKER. EXTERIOR
- PENETRATION AT 12' AFF. 11. PROVIDE 1" CONDUIT AND JUNCTION BOX FOR SPEAKER. SPEAKER MOUNTED IN CEILING.
- PROVIDE 1" CONDUIT AND JUNCTION BOX FOR INTERIOR WIRELESS ACCESS POINT. MOUNTED IN CEILING.
- 13. PROVIDE 1" CONDUIT AND JUNCTION BOX FOR TRIPLEX DATA LOCATION FOR POS. 14. | PROVIDE 1" CONDUIT AND JUNCTIONS BOX FOR WALL MOUNTED ATTENUATOR. MOUNT 48" AFF.
- 15. PROVIDE 3/4" CONDUIT AND JUNCTION BOX FOR WALL MOUNTED PHONE DATA DROP. MOUNT 48"
- EXTEND IN CONDUIT FROM PUSH-BUTTON LOCATED UNDER THE SERVICE DESK TO THE DETEX 24VDC LOGIC CONTROLLER / RELAY. FINAL CONNECTION SHALL BE BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH THE SECURITY SYSTEM INSTALLER. SEE KEYNOTE 23 E3.0 FOR CONTINUATION.
- VOLUME CONTROL BY HOME DEPOT. STUB 1" CONDUIT UP TO JOIST SPACE.
- PROVIDE DEDICATED CIRCUIT FOR PVM TO EXISTING SPARE CIRCUIT IN PANEL 'IS2'. CONTRACTOR SHALL FIELD VERIFY THAT NEW LOAD WILL NOT OVERLOAD THE EXISTING PANEL. IF NO SPARE AVAILABLE OR ADDITION CAUSES PANEL TO BE OVERLOADED, CONTRACTOR SHALL RUN TO PANEL 'IS1'.
- 19. PROVIDE AND INSTALL TRC/STORE OPENING MOTION SENSOR REFLECTOR. REFLECTOR MOUNTED ON OPPOSITE SIDE OF DOOR OPENING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 20. PROVIDE & INSTALL TRC/STORE OPENING CHIME AMSECO MODEL #CM-4 MOUNTED AT 5'-0" AFF. ADJACENT TO TRC/STORE OPENING EXTEND WIRING W/ BELDEN #944 TO ADDITIONAL CHIME AMSECO MODEL #CM-4L LOCATED ON WALL IN MAINTENANCE ROOM AT 5'-0" AFF. (VERIFY LOCATION). LABEL STROBE LIGHT WITH ENGRAVED LETTERS "OPENING".
- 21. PROVIDE AND INSTALL TRC/STORE OPENING MOTION SENSOR, AMSECO MODEL #EBP-407. MOUNT ON WALL 1'-0" FROM JAMB OF DOOR OPENING, AT 2'-0" AFF. WITH REFLECTOR MOUNTED ON OPPOSITE SIDE OF DOOR OPENING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. MOUNT DUPLEX RECEPTACLE 1'-6" FROM JAMB OF DOOR OPENING, AT 1'-6" AFF. TO SERVE AS POWER FOR THE SYSTEM.
- 22. PROVIDE AND INSTALL MAN DOOR MOTION SENSOR REFLECTOR. REFLECTOR MOUNTED ON OPPOSITE SIDE OF DOOR OPENING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE EDWARD'S #620 PUSH-BUTTON WITH 147-I PLATE AT 48" AFF, AND EDWARD'S ADAPTABLE 340 4G5 BELL AT 8'-0" AFF, #598 LV XFMR. PROVIDE ALL WIRING AS REQUIRED.
- PROVIDE EDWARDS 340 4G5 BELL (WEATHERPROOF) AT 8'-0" AFF. TO INDICATE THE MAGNETIC LOCK HAS RELEASED EXTERIOR DOOR.
- PROVIDE AND INSTALL MAN DOOR MOTION SENSOR, AMSECO MODEL #ERP-407, MOLINT ON WALL 1'-0" FROM JAMB OF DOOR OPENING, AT 2'-0" AFF. WITH REFLECTOR MOUNTED ON OPPOSITE SIDE OF DOOR OPENING PER MANUFACTURER'S INSTALLATIONS. MOUNT DUPLEX RECEPTACLE 1'-6" FROM JAMB OF DOOR OPENING, AT 1'-6" AFF. TO SERVE AS POWER FOR THE SYSTEM.
- 26. PROVIDE 2" SLEEVE FOR LOW VOLTAGE WIRING. SEAL PER SPECIFICATION.
- PROVIDE 2" SLEEVE FOR PAGING. SEAL PER SPECIFICATION
- 28. PROVIDE 2" SLEEVE FOR PHONE, DATA, AND POS WIRING. SEAL PER SPECIFICATION 29. ALL CONDUIT ENTERING THE RENTAL CENTER SHALL PENETRATE THE WALL ABOVE THE OPENING.
- SLEEVE PER SPECIFICATION. PROVIDE & INSTALL MAN DOOR CHIME AMSECO MODEL #CM-4 MOUNTED BEHIND DESK AT 5'-0" AFF. EXTEND WIRING W/ BELDEN #944 TO ADDITIONAL CHIME AMSECO MODEL #CM-4L LOCATED ON WALL IN MAINTENANCE ROOM AT 5'-0" AFF.(VERIFY LOCATION). LABEL STROBE LIGHT WITH
- ENGRAVED LETTERS "DOOR". PROVIDE & INSTALL TRC/STORE OPENING CHIME AMSECO MODEL #CM-4 MOUNTED BEHIND DESK AT 5'-0" AFF. EXTEND WIRING W/ BELDEN #944 TO ADDITIONAL CHIME AMSECO MODEL #CM-4L LOCATED ON WALL IN MAINTENANCE ROOM AT 5'-0" AFF.(VERIFY LOCATION). LABEL STROBE LIGHT
- WITH ENGRAVED LETTERS "DOOR". SURFACE MOUNT JUNCTION BOX AT 24" AFF. RUN (1) 1-1/4" CONDUIT, FOR LOW VOLTAGE CABLING, SURFACE MOUNTED TO JUNCTION BOX. FLEX CONDUIT FROM JUNCTION BOX TO LOW VOLTAGE DEVICES IN EXISTING WIREWAY INSIDE PRO DESK.
- 34. PUSH-BUTTON LOCATED UNDER COUNTER, OUT OF VIEW, FOR CONTROL OF CONTRACTOR DOOR. VERIFY EXACT LOCATION. COORDINATE INSTALLATION WITH SECURITY SYSTEM INSTALLER.



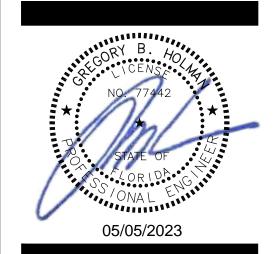
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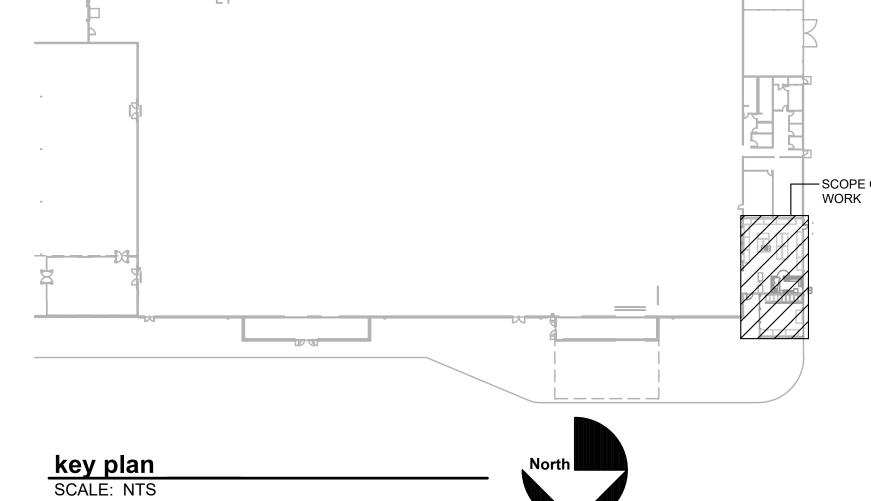
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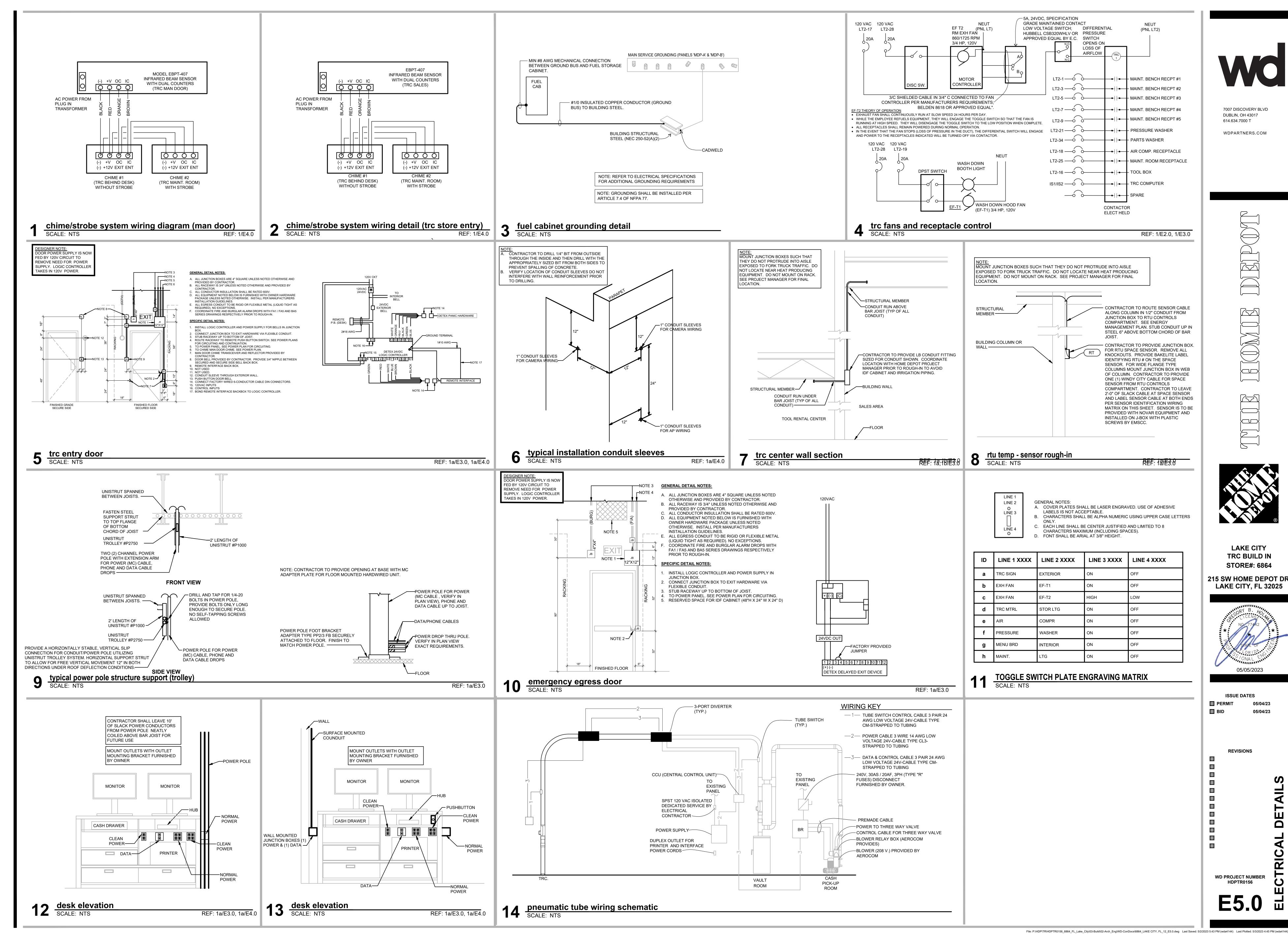


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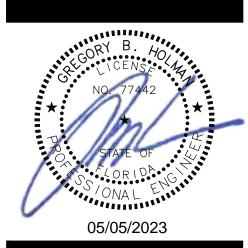
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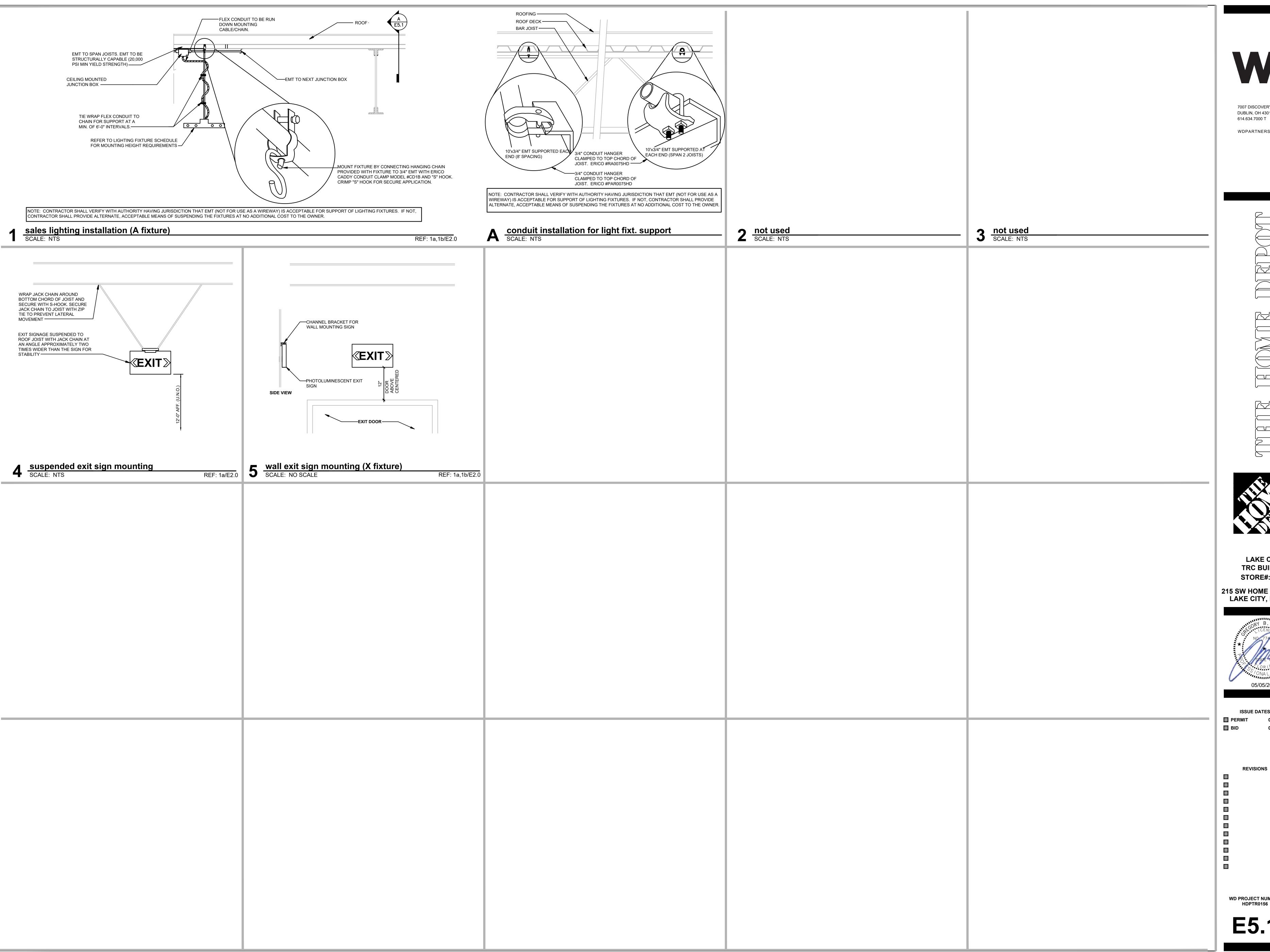
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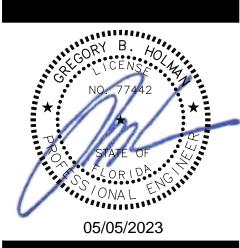
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SYMBOL	DESCRIPTION (UNLESS NOTE OTHERWISE)	MT H
		_
	277/480V, 3~, 4W, NEMA 1 ENCLOSED PANELBOARD	_
T	DRY TYPE TRANSFORMER, NEMA 1 ENCLOSED (480V DELTA PRIMARY-208V 3~, WYE SECONDARY)	
/#/	MOTOR - FRACTIONAL HORSEPOWER (F) OR SIZE AS INDICATED (#)	_
	DISCONNECT SWITCH (TYPE AS NOTED ON PLANS)	_
\$ ID TYPE	SPST TOGGLE SWITCH. LOWER CASE POSTSCRIPT INDICATES SWITCH ID. SEE TOGGLE SWITCH PLATE ENGRAVING MATRIX. UPPER CASE ALPHA AND/OR NUMBERIC SUBSCRIPT INDICATES TYPE; 2=DPST, 3=3WAY, LV=LOW VOLTAGE, OC=OCCUPANCY SENSOR."	48
J	JUNCTION OR PULL BOX, 4" SQ. STEEL, UNLESS NOTED OTHERWISE	_
<b>+</b>	QUADRAPLEX RECEPTACLE OUTLET, AS SPECIFIED IN ELECTRICAL SPECIFICATIONS	18
$\bigcirc$	DUPLEX RECEPTACLE OUTLET, AS SPECIFIED IN ELECTRICAL SPECIFICATIONS	18
$\overline{\Box}$	DEDICATED DUPLEX RECEPTACLE (I.G.) AS SPECIFIED IN ELECTRICAL SPECIFICATIONS	18
<u> </u>	DEDICATED QUADRAPLEX RECEPTACLE (I.G.) AS SPECIFIED IN ELECTRICAL SPECIFICATIONS	18
	GROUND FAULT CURRENT INTERRUPTER DUPLEX DEVICE, AS SPECIFIED IN ELECTRICAL SPECIFICATIONS	18
$\bigcirc$	SINGLE RECEPTACLE OUTLET	18
	TELEPHONE OUTLET BOX. ELECTRICAL CONTRACTOR TO INSTALL SINGLE GANG J-BOX AND CONDUIT TO ABOVE BOTTOM OF JOIST, TELECOMMUNICATIONS CONTRACTOR RESPONSIBLE FOR CONNECTORS AND FACEPLATE, TYPICAL.	18
$\triangleright$	DATA OUTLET BOX- WALL MOUNTED. ELECTRICAL CONTRACTOR TO INSTALL SINGLE GANG J-BOX AND CONDUIT TO ABOVE BOTTOM OF JOIST, TELECOMMUNICATIONS CONTRACTOR RESPONSIBLE FOR CONNECTORS AND FACEPLATE, TYPICAL.	18
	COMBINATION TELEPHONE/DATA OUTLET BOX. ELECTRICAL CONTRACTOR TO INSTALL SINGLE GANG J-BOX AND CONDUIT TO ABOVE BOTTOM OF JOIST, TELECOMMUNICATIONS CONTRACTOR RESPONSIBLE FOR CONNECTORS AND FACEPLATE, TYPICAL.	18
•	PUSHBUTTON	_
b	BUZZER	_
	2X4 LED LIGHTING FIXTURE (MOUNTING PER FIXTURE SCHEDULE)	_
	LIGHTING FIXTURE ON 24 HR. CIRCUIT (SERVED FROM GENERATOR AS SCHEDULED)	_
$\bigcirc$	LED LIGHTING FIXTURE (MOUNTING PER FIXTURE SCHEDULE)	_
	LED LIGHTING FIXTURE ON EMERGENCY CIRCUIT	_
0-	POLE MOUNTED LUMINAIRE (AS SCHEDULED)	_
• • • • • • • • • • • • • • • • • • •	INTERNALLY ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS	_
	SWITCH WIRING	_
	CONDUIT CONCEALED IN WALL OR CEILING	_
,	CONDUIT CONCEALED BELOW FLOOR SLAB OR BURIED BELOW GRADE (ENCASED IN CONCRETE UNDER DRIVES/PARKING AREAS)	_
	TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS)	_
<u> </u>	GROUND	_
V	VOLUME CONTROL JUNCTION BOX	54
C	REMOTE CONTACTOR IN NEMA-1 ENCLOSURE	_
	WALL TEMPERATURE SENSOR (NOVAR WTS-10)	84
<b>P</b>	PHOTO-SENSOR	_
T	THERMOSTAT	84
(A)	OUTDOOR AIR TEMPERATURE SENSOR	_
(HT)	HUMIDITY/TEMPERATURE SENSOR	84
	IDF CABINET AS CALLED FOR ON PLANS WITH PRE-INSTALLED OUTLET WIRED BY ELECTRICAL CONTRACTOR. SEE E7.0-11	
	SECURITY CAMERA	
	SPEAKER	

POWER IDENTIFICATION		_
REFER TO SPECIFICATIONS FOR SWITCH, RECE SHALL CONFORM TO:	EPTACLE, AND (	COVER PLATE COLOR/MATERIAL REQUIREMENTS AND
TYPE	COLOR	CIRCUIT
CLEAN POWER DEVICES	ORANGE	POWERED THROUGH PANEL "R"
GENERATOR BACKED DEVICES	RED	POWERED THROUGH PANEL "EL"
ALL OTHER NORMAL POWERED DEVICES	GRAY	POWERED THROUGH PANEL "LT"
'IS1' AND 'IS2' POWERED DEVICE	BLACK	POWERED THROUGH PANEL "IS1" & "IS2"

MOUNTING HEIGHT IS MEASURED FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE OR OUTLET. MOUNTING HEIGHT MAY VARY TO CONFORM TO THE DETAILS OF CONSTRUCTION.

		7	TRC CONT	ACTO	OR /	RELAY S	CHEDULE
	CON	TACT CIR	CUIT	CC	NTRC	L CIRCUIT	REMARKS/NAMEPLATES
VOLTS	AMPS	POLES	CIRCUIT NO.	VOLTS	TERM	IINAL POSITION	REWARKS/NAWIEPLATES
120	20	12	REFER TO FLOOR PLANS	120V	-	-	CONTACTOR TRC-1 MAINTENANCE ROOM RECEPTACLES (ELECT. HELD)
		ISHED BY GO E5.0-04 & E	C AND INSTALLED BY E05.1-07.	D.			

			ABBREVIATIONS		
A, AMP	AMPERE	EXPF	EXPLOSION PROOF	NTS	NOT TO SCALE
A/C	AIR CONDITIONING	EXPO	EXPOSED		
AB	ANCHOR BOLT			ОС	ON CENTER(S)
ABV	ABOVE	FA	FIRE ALARM	OL	OVERALL LENGTH
AC	ACOUSTICAL	FACP	FIRE ALARM CONTROL PANEL	OPER	OPERATE(OR) (ED) (TION)
ACC	ACCESS	FBO	FURNISHED BY OTHERS	OPNG	OPENING
ACFL	ACCESS FLOOR	FCU	FAN COIL UNIT		
ACT	ACOUSTICAL TILE	FDN	FOUNDATION	P/L	PROPERTY LINE
ADJT	ADJUSTABLE	FDPR	FIRE DAMPER	P/T	POTENTIAL TRANSFORMER
AFF	ABOVE FINISHED FLOOR	FDR	FEEDER	PA	PUBLIC ADDRESS
AFG	ABOVE FINISHED GRADE	FIX	FIXTURE	РВ	PUSHBUTTON
AHU	AIR HANDLING UNIT	FLEX	FLEXIBLE	PC	PLUMBING CONTRACTOR
AL	ALUMINUM	FLR	FLOOR	PE	PRIMARY ELECTRIC
ALT	ALTERNATE	FLUOR	FLUORESCENT	PED	PEDESTAL
ANOD	ANODIZED	FP	FIREPROOF	PH	PHASE
AP	ACCESS PANEL	FPC	FIRE PROTECTION CONTRACTOR	PL	PARKING LOT
APP	APPROVED	FRACT	FRACTIONAL	PLBG	PLUMBING
ARCH	ARCHITECT(URAL)	FSBL	FUSIBLE	PNL	PANEL
ASC	ABOVE SUSPENDED CEILING	FT	FEET	PSF	POUNDS PER SQUARE FOOT
AUTO	AUTOMATIC	FURN	FURNISHED	PSI	PONDS PER SQUARE INCH
AUX	AUXILIARY	FUT	FUTURE	PVC	POLYVINYL CHLORIDE
AWG	AMERICAN WIRE GAUGE	1	10.0.4	PVMT	PAVEMENT
		G, GRD	GROUND	PWR	POWER
BD	BOARD	GA	GAUGE		
BEL	BELOW	GALV	GALVANIZED	QTY	QUANTITY
BFG	BELOW FINISHED GRADE	GC	GENERAL CONTRACT(OR)	*''	
BLDG	BUILDING	GENR	GENERATOR	RC	REMOTE CONTROL
BLLD	BOLLARD	GF	GROUND FAULT	RECPT	RECEPTACLE
BRKR	BREAKER	GFB	GROUND FAULT BREAKER	RECT	RECEPTAGLE
BSBD	BASEBOARD	GFCI	GROUND FAULT CIRCUIT INT.	REF	REFERENCE
		GKT	GASKET(ED)		
BSBD	BOTH SIDES	GRC	GALVANIZED RIGIG CONDUIT	REM	REMOVE
BTM BV/I	BOTTOM	GYP	GYPSUM DRYWALL	REQD	REQUIRED
BVL	BEVELED		LIEATING CONTRACTOR	REV	REVISION(S), REVISED
0.00ND	COMPUTE	HC	HEATING CONTRACTOR	RM	ROOM
C, COND	CONDUIT	HD	HEAVY DUTY	RO	ROUGH OPENING
C/B	CIRCUIT BREAKER	HDW	HARDWARE	RPM	REVOLUTIONS PER MINUTE
C/C	CENTER TO CENTER	HH	HANDHOLE	RT	RAINTIGHT
C/T	CURRENT TRANSFORMER	HOR	HORIZONTAL		
CAB	CABINET	HP	HORSEPOWER	S	SOUTH
CAD	CADMIUM	HT	HEIGHT	SCHED	SCHEDULE
CAT	CATEGORY	HTG	HEATING	SD	SMOKE DETECTOR
CCT	CIRCUIT	HVAC	HEATING/VENTILATION/AIR COND.	SEC	SECTION
CHT	CEILING HEIGHT	HZ	HERTZ	SHT	SHEET
CIRC	CIRCUMFERENCE			SL	SLEEVE
CL	CLOCK	IC	INTERCOM	SPEC(S)	SPECIFICATION(S)
CLG	CEILING	IN	INCH	SPK	SPEAKER
CLR	CLEAR(ANCE)	INT	INTERIOR	SPL	SPECIAL
CM	CENTIMETER(S)			SQ FT	SQUARE FOOT
CMU	CONCRETE MASONRY UNIT	JB	JUNCTION BOX	SS	STAINLESS STEEL
COL	COLUMN	JUNC	JUNCTION	STD	STANDARD
CONC	CONCRETE			STR	STRUCTURAL
CONN	CONNECTION/CONNECTOR	KV	KILOVOLT	SUPV	SUPERVISION
CONST	CONSTRUCTION	KVA	KILOVOLT-AMPRE	SUSP	SUSPENDED
CONT	CONTROL	KW	KILOWATT	SW	SWITCH
CONTR	CONTRACT(OR)	KWH	KILOWATT-HOUR	SWBD	SWITCHBOARD
COORD	COORDINATE	KIT	KITCHEN	SYS	SYSTEM
CTR	CENTER	KES	KITCHEN EQUIPMENT SUPPLIER		
CU	COPPER	ко	KNOCKOUT	TCC	TEMP. CONTROL CONTRACTOR
CUH	CABINET UNIT HEATER			TELE	TELEPHONE
		L	LENGTH	TEMP	TEMPERATURE
DB	DUCT BANK	LAB	LABEL	TERM BD	TERMINAL BOARD
DC	DATA/COMMUNICATION LINE	LC	LIGHTING CONTROL	TFMR	TRANSFORMER
DC	DIRECT CURRENT	LP	LAMP POST	TRANS	TRANSFER
DEM	DEMOLISH, DEMOLITION	LT	LIGHT	TS	TAMPER SWITCH
DF	DRINKING FOUNTAIN	LTG	LIGHTING	TSTAT	THERMOSTAT
DIA	DIAMETER	LV	LOW VOLTAGE	TV	TELEVISION
DIM	DIMENSION			TYP	TYPICAL
DISC	DISCONNECT	М	METER(S)		
DMR	DIMMER	MAN	MANUAL	UP	UTILITY POST
DN	DOWN	MATL	MATERIAL(S)	UH	UNIT HEATER
DR	DOOR	MAX	MAXIMUM	UV	UNIT VENTILATOR
DTL	DETAIL	MC	MECHANICAL CONTRACTOR	``	
DWGS	DRAWINGS	MCC	MOTOR CONTROL CENTER	VERT	VERTICAL
200	2.0100	MDP	MAIN DISTRIBUTION PANEL	VEST	VESTIBULE
E	EAST	MECH	MECHANICAL MECHANICAL	VD	VOLTAGE DROP
	EACH	MFGR		W	
EA EC			MANUFACTUR(ER)	l w	WEST WITH
EC	ELECTRICAL CONTRACTOR	MH	MANHOLE		
EF	EXHAUST FAN	MIN	MINIMUM	W/O	WITHOUT
EJT	EXPANSION JOINT	MISC	MISCELLANEOUS	WG	WIRE GUARD
EL	ELEVATION	MM	MILLIMETER(S)	WP	WEATHERPROOF
ELEC	ELECTRIC(AL)	MTD	MOUNT(ED)		
ELEV	ELEVATOR	MTG	MOUNT(ING)	XFER	TRANSFER SWITCH
EMER	EMERGENCY	MTL	METAL	XMER	TRANSFORMER
ENC	ENCLOSE(URE)	MTR	MOTOR		
ENGR	ENGINEER				
EP	EDGE OF PAVEMENT	N	NORTH		
EP	ELECTRICAL PANELBOARD	NC	NORMALLY CLOSED		
EQ	EQUAL	NEC	NATIONAL ELECTRIC CODE		
EQUIP	EQUIPMENT	NIC	NOT IN CONTRACT		
EST	ESTIMATE	NIC NL	NIGHT LIGHT		
1.31		NL NM			
		■ NIM	NONMETALLIC	I	
EW	EACH WAY		NODMANIA		
	ELECTRIC WATER COOLER EXISTING	NO NOM	NORMALLY OPEN NOMINAL		

		EXISTING PAD MOUNTED TRANSFORMER  FP0		
NEW 3P BF	PLACE EXISTING SPACE IN MDP WITH REAKER. FIELD VERIFY EXISTING NS. MATCH EXISTING MANUFACTURER	EXISTING TO THE STATE OF THE ST		
MAKE AND ELECTRIC ROOM	) MODEL AND AIC RATING.	METER TO THE CABINET		
EXISTING MDP-B 800A M.C.B, 277/480V-3Ø-4W, 65,000 AIC	0A-3P	800A-3P   800A-3P	M.C.B, 277/480V-3Ø-4W, 65,000 AIC	
(EXISTING)	ISTING )	(EXISTING)   (EXISTING)		
EXISTING FEEDER TO REMAIN	(4)#3/0, (1)#6G. IN 2" C	TOOL RENTAL	PARKING LOT	_
EXISTING ATS-1  EXISTING FEEDER  TO REMAIN	NOTE: 650'-0" FEEDER PROVIDES 2.85% VOLTAGE DROP. CONTRACTOR TO CONFIRM DISTANCE IN FIELD. IF MORE THAN 650'-0", NOTIFY ENGINEER.  NEW PANEL HT 200A MCB	(2)#4	4, (1)#10 G. IN 1-1/4" C.  #6 GND.	NEW LOW VOLTAGE SUBSTATION SQUARE-D #MPZB25S40F 25 KVA, 480:120/240, 1Ø, 4W XFMR
EXISTING PANEL 'EM' DISCONNECT  EXISTING DISCONNECT  EXISTING	(3)#1, (1)#8 G. IN 1-1/2" C.		PANEL 'CP'	
TRANSFORMER EXISTING FEEDER TO REMAIN	CONNECT TRANSFORMER #2 GND. #2 GND. GROUND TO EFFECTIVELY GROUNDED BUILDING STRUCTURAL STEEL MEMBER.	NOTE: SEE SHEET E3.0 FOR LOCATION OF TRANSFORMER "TLT"	125A MCB	
EXISTING PANEL 'SB' 125A MCB	(4)#250, (1)#2G. IN 2-1/2" C. TRC-2 NEW	-FP6 - FP7 - NEW XFMR "TLT" - 75 KVA, 480-208Y/120V, 3 PHASE, 4 WIRE		
EXISTING	PANEL LT1 250A MCB	ATTACH TRANSFORMER TO MASONRY WALL WI MANUFACTURER PROVIDED WALL MOUNT BRA ATTACH PER MANUFACTURER INSTALLATION INSTRUCTIONS. SEE DETAIL F6.0-02.		RANCH

general notes:

FORKLIFTS OR MERCHANDISE.

UNLESS SPECIFICALLY INTENDED FOR THAT RACK.

COMMUNICATIONS AND SECURITY SYSTEMS.

ALL DISCONNECT SWITCHES SHALL BE LOCATED WITHIN ACCESSIBLE HEIGHTS.

2. CONVENIENCE OUTLETS SHALL BE LOCATED IN SUCH A MANNER TO AVOID DAMAGE FROM

3. ALL ELECTRICAL BOXES, OUTLETS, SWITCHES, KEYPADS, T-STATS, PIPING, ETC.. LOCATED ADJACENT TO DOORS SHALL BE INSTALLED NO MORE THAN 18" FROM ROUGH OPENING (AS

4. THD PM SHALL APPROVE INSTALLING ANY DEVICES SHOWN ON THE PLANS BEHIND RACKING

FITTINGS, CONNECTORS, STRAPS, SUPPORTS, PULL-LÍNES, BUSHINGS, ETC.. FOR

ALL DIMENSIONS TO THE CENTERLINE OF THE BOX AND AT ABOVE FINISH FLOOR (AFF)

 LOW VOLTAGE VENDORS SHALL REQUEST EXTERIOR PENETRATIONS FOR CONDUITS FROM ELECTRICAL CONTRACTOR IN TIMELY FASHION TO ALLOW ELECTRICAL CONTRACTOR THE

5. ELECTRICAL CONTRACTOR TO PROVIDE ALL CONDUIT, BOXES (UNLESS INDICATED OTHERWISE)

REQUIRED TIME TO PERFORM WORK. UNDER NO CIRCUMSTANCES SHALL LOW VOLTAGE

VENDORS HAMMER DRILL THROUGH WALLS. CORE DRILL IS THE ONLY ACCEPTACLE MEANS.

CIRCUITS SERVED BY THE SAME NEUTRAL.

NOTE: ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING

SERVICE AND PANEL(S) CIRCUITING MATCH THIS DOCUMENT.

EC TO VERIFY ALL ELECTRICAL SERVICE EQUIPMENT IS IN COMPLIANCE WITH NEC AND ALL STATE AND LOCAL CODE REQUIREMENTS. IF NOT MATCHING, EC SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY.

revised partial electrical one-line diagram

SCALE: NO SCALE

(4)#1/0, (1)#6G. IN 1-1/2" C.

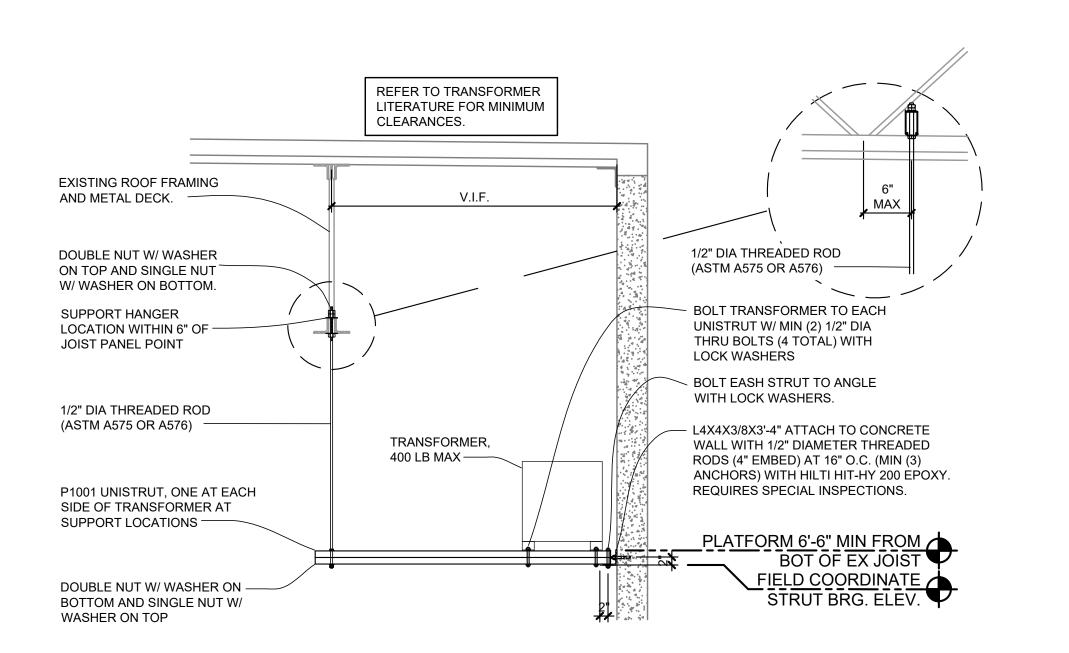
INSTRUCTIONS. SEE DETAIL  $\overline{E6.0-02}$ .

'UPS'

EXISTING FEEDER
TO REMAIN ———

**EXISTING** 

PANEL 'R'



transformer support

WC

7007 DISCOVERY BLVD DUBLIN, OH 43017 614.634.7000 T

WDPARTNERS.COM



LAKE CITY TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR



ISSUE DATES

REVISIONS

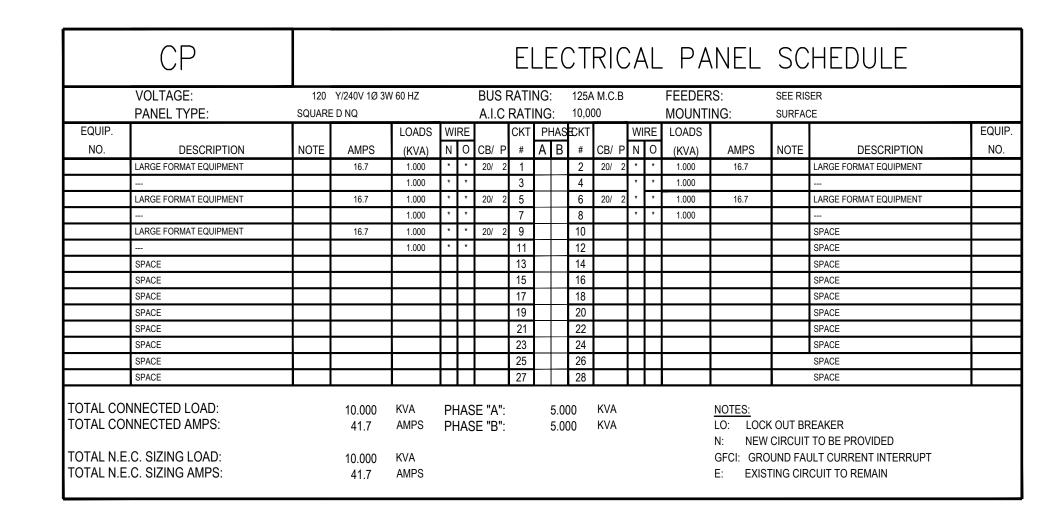
REVISION

WD PROJECT NUMBER HDPTR0156

E6.0

### general notes:

ELECTRICAL CONTRACTOR SHALL DOCUMENT ON DRAWINGS ALL EXISTING CIRCUITS UTILIZED NEXT TO CORRESPONDING FIXTURES AND DEVICES AS PART OF PROJECT CLOSEOUT AS-BUILT REDLINE MARKUPS.



	VOLTAGE:	120		Y/240V 1Ø 4W	60 HZ			BUS		_		M.C.B.			FEEDER			EXISTIN		
FOLUE	PANEL TYPE:	EXISTIN	IG		1	1	1	A.I.C	_		_	STING	1		MOUNT	NG:		EXISTIN	NG .	T = 0
EQUIP. NO.	DESCRIPTION	NOTE	CAT	AMPS	LOADS (KVA)	WI N	-	CB/ P		PHAS A B	ı	CB/ F	$\vdash$	IRE 0	LOADS (KVA)	AMPS	CAT	NOTE	DESCRIPTION	EQUIF NO.
	RETURNS REG. PWR	Е	R	12.0	0.720	*	*	20/ 1	1		2	20/ 1		П	, ,		R	Е	SPARE	1
	SELF CHECKOUT REGISTER	E	R	6.0	0.360	*	*	20/ 1	3		4	20/ 1	*	*	0.720	12.0	R	Е	SPECIAL SERVICES/RETUNRS	
	SELF CHECKOUT REGISTER	Е	R	6.0	0.360	*	*	20/ 1	5		6	20/ 1	*	*	0.720	12.0	R	E	PRO DESK	
	LINE REGISTER PWR	Е	R	12.0	0.720	*	*	20/ 1	7		8	20/ 1	*	*	0.720	12.0	R	Ε	LINE REGISTER POWER	
	LINE REGISTER PWR	Е	R	12.0	0.720	*	*	20/ 1	9		10	20/ 1	*	*	0.360	6.0	R	Е	SELF CHECKOUT REGISTER	T
	LINE REGISTER PWR	Е	R	12.0	0.720	*	*	20/ 1	11		12	20/ 1	*	*	0.360	6.0	R	E,	SELF CHECKOUT REGISTER	
	REGISTER POWER (GC)	Е	R	12.0	0.720	*	*	20/ 1	13		14	20/ 1	*	*	0.360	6.0	R	E	SELF CHECKOUT REGISTER	
	REGISTER POWER (GC)	Е	R	12.0	0.720	*	*	20/ 1	15		16	20/ 1	*	*	0.360	6.0	R	E	SELF CHECKOUT REGISTER	
	TRC PRO DESK	N	R		0.540	*	*	20/ 1	17		18	20/ 1			0.180	3.0	R	E	IDF CABINET	
	TRC PRO DESK	N	R		0.540	*	*	20/ 1	19		20	20/ 1						E	TVSS	
	IDF CABINET	Е	R		0.180			20/ 1	21		22	20/ 1						Е		-
	SPARE	Е						20/ 1	23		24	20/ 1						Е		-
TOTAL CO	NNECTED LOAD: NNECTED AMPS: E.C. SIZING LOAD: E.C. SIZING AMPS:			10.080 42.0 12.600 52.5	KVA AMPS KVA AMPS		_	E "A": E "B":		4.8 5.2		KVA KVA				N: NEW GFCI: GRC	CIRC	FAULT (	KER BE PROVIDED CURRENT INTERRUPT IT O REMAIN	

### NOTE: PANEL 'R' PANEL SCHEDULE DESIGNED BASED ON AS-BUILT DRAWINGS DATED 12/12/05. IF EXISTING CONDITIONS DON'T MATCH DESIGN CONTACT ENGINEER OF RECORD.

	N (MDP-B)	AD SUMMATION	SERVICE LU/
NOTE	DEMAND (KVA)	CONNECTED (KVA)	DESCRIPTION
	3.375	2.700	LIGHTING
	10.070	10.140	RECEPTACLE
	11.637	11.637	COOLING
	2.150	2.150	MOTOR
	20.930	20.930	OTHER
	12.500	10.000	VEHICLE CHARGE
	347.270	277.816	EXISTING PEAK DEMAND:
1	407.932	335.373	TOTAL:

							Feeder Information				Conductor				MINIMA OL LO: 'C
Fault Point (F#)	Description	Voltage	Phase	Source (Fault Point)	Short Circuit Current (Amps)	Length of Circuit (L)	# of sets	Conduit Type	Wire Material	Wire Size	"C" Value	(f) Value	(M) Value	Available Fault Current (Isc)	MINIMUM Short Circu Current Rating (SCCR
FP0	Utility Transformer (Assumed 1500kVA secondary output)	480	3								ASSUME	ED Z VALU	E = 3.5	57,345	EXISTING
FP1	LINESIDE CT CAB	480	3	FP0	57345	25	5	NM	CU	400	26,706	0.04	0.96	55206	EXISTING
FP2	LINESIDE SWITCHBOARD DB	480	3	FP1	55206	25	3	М	CU	300	18,177	0.09	0.92	50586	EXISTING
FP3	PANEL 'HT'	480	3	FP2	50586	500	1	М	CU	3/0	12,844	7.11	0.12	6241	14K FULLY RATED
FP4	25KVA, 1PH, TFMR TCP(primary input)	480	1	FP3	6241	210	1	М	CU	4	3,806	1.24	0.45	2783	N/A
FP5	75KVA, 3PH, TFMR 'TLT' (primary input)	480	3	FP3	6241	15	1	М	CU	1	7,293	0.05	0.96	5965	N/A
FP6	75KVA TFMR 'TLT' (secondary output)	208	3	FP5				•	•		ASSUMED Z VALUE = 1.0	0.66	0.60	8286	N/A
FP7	PANEL 'LT1'	208	3	FP6	8286	35	1	М	CU	250	16,483	0.15	0.87	7227	10K FULLY RATED
FP8	PANEL 'LT2'	208	3	FP7	7227	35	1	М	CU	1/0	8,925	0.24	0.81	5847	10K FULLY RATED

	VOLTAGE: PANEL TYPE:		Y/277V 3Ø 41 RE D- NQOD	W 60 HZ			RATIN	IG:		200A 200A				C. RA JNTI	ATING: ING:	14,000 SURFA(		NEMA:	1
EQUIP.				LOADS	WI	_		CKT	PH	ASE	CKT		_	IRE					EQUIF
NO.	DESCRIPTION	NOTE	AMPS	(KVA)	N	0	CB/ P	#	Α	ВС	#	CB/ P	N	0	(KVA)	AMPS	NOTE	DESCRIPTION	NO.
	SPACE				T	П		1		-	2	100/ 3	3	1	12.320	42.8		TRANSFORMER 'TLT'	
	SPACE				T	П		3			4		1-	1	11.760				
	SPACE				T	П		5			6		-	1	11.480				
	SPACE			1	T	П		7			8	20/ 1	*	*	1.200	4.3		TRC LIGHTING	
	SPACE			İ	T	П		9			10	20/ 1	*	*	1.200	4.3		TRC MATERIALS LIGHTING	
	SPACE			i	T	П		11	_		12	60/ 2		4	5.000	20.8		LOW VOLTAGE SUBSTATION/CP	1
	SPACE					П		13			14		-	4	5.000				
	SPACE							15			16		ĺ	П				SPACE	
	SPACE					П		17			18			П				SPACE	
	SPACE							19			20		ĺ	П				SPACE	
	SPACE					П		21			22			П				SPACE	
	SPACE					П		23			24			П				SPACE	
	SPACE					П		25			26			П				SPACE	
	SPACE							27			28							SPACE	
	SPACE							29	_		30							SPACE	
	SPACE							31			32							SPACE	
	SPACE							33			34							SPACE	
	SPACE							35	_		36							SPACE	
	SPACE							37			38							SPACE	
	SPACE							39			40							SPACE	
	SPACE							41			42							SPACE	

	VOLTAGE: PANEL TYPE:		Y/120V 3Ø 4V D - NQOD	V 60 HZ	MA MC		RATII IZF:	NG:		250A 250A				C. RA JNTI	ATING: NG <sup>.</sup>	10,00 SURFA		NEMA	A: 1
EQUIP.	7,4422 777 2.			LOADS	_	_		CKT			CKT				LOADS				EQUI
NO.	DESCRIPTION	NOTE	AMPS			_	CB/ P			ВС	4	CB/ F	_	_	(KVA)	AMPS	NOTE	DESCRIPTION	NO
	SPARE			(,	H	Ť		1	,,,			_	3 1/0	-	12.140	96.7		PANEL 'LT2"	
	MATERIALS YARD RECEPTACLE		3.0	0.360	*	*	20/ 1	3	H		4		1/0	1/0	11.400				
	TRC EGRESS DOOR		1.5	0.180	*	*	20/ 1	5			6		1/0	1/0	11.300				
	TRC RECEPTACLE		1.5	0.180	*	*	20/ 1	7			8		T	П	0.000				
	SPACE				П	T		9			10			П	0.000				
	SPACE				П	T		11	- ا		12		T	П	0.000				
	SPACE				П	丁		13		-	14		T	П				SPACE	
	SPACE				П	寸		15			16			П				SPACE	
	SPACE				П	丁		17	-		18		T	П				SPACE	
	SPACE				П	T		19			20			П				SPACE	
	SPACE				П	T		21			22		T	П				SPACE	
	SPACE				П	寸		23	i -		24		T	П				SPACE	
	SPACE				П	T		25			26		T	П				SPACE	
	SPACE				П	丁		27	Ħ		28			П				SPACE	
	SPACE				П	T		29	i -		30			П				SPACE	
	SPACE				П	T		31			32			П				SPACE	
	SPACE				П	T		33			34		Ī	П				SPACE	
	SPACE				П	T		35	Ι -		36			П				SPACE	
	SPACE				П	T		37			38			П				SPACE	
	SPACE				П	T		39			40			П				SPACE	
	SPACE				П	T		41	1 -		42			П				SPACE	

		208		Y/120V 3Ø 4\	N 60 HZ	M	AIN	S RATI	NG:	,	125A		/	A.I.C. F	RATING:	10,00	00	NEMA:	1
	PANEL TYPE:	SQUAR	E D - N	QOD		M	CB :	SIZE:		- 1	MLO		N	MOUN.	ΓING:	SURFA	ACE		
QUIP.					LOADS	W	IRE			PHA				WIRE	LOAD	S			EQl
NO.	DESCRIPTION	NOTE	CAT	AMPS	(KVA)	N	0	CB/ F	#	ΑΙ	ВС	#	CB/ P	N C	(KVA	AMPS	NOTE	DESCRIPTION	N
	MAINT BENCH RECEPT		R	3.0	0.360	*	*	20/ 1	1			2	30/ 3	* *				SPD	
	MAINT BENCH RECEPT		R	3.0	0.360	*	*	20/ 1	3			4		* *					
	MAINT BENCH RECEPT		R	3.0	0.360	*	*	20/ 1	5			6		* *					
	MAINT ROOM RECEPT		R	3.0	0.360	*	*	20/ 1	7			8	50/ 2	2 6	4.150	39.9		WTR HTR EWH-1	
	MAINT ROOM RECEPT		0	3.0	0.360	*	*	20/ 1	9			10		6	4.150				
	DOOR HOLDERS		0	3.7	0.450	*	*	20/ 1	11	]		12	50/ 2	2 6	4.150	39.9		WTR HTR EWH-2	
	DOOR STRIKE		0	5.8	0.700	*	*	20/ 1	13			14		6	4.150				
	DOOR BELL/BUZZER		0	1.7	0.200	*	*	20/ 1	15			16	20/ 1	* *	0.360	3.0		TOOL BOX	
	DIFF. PRESSURE SWCH.		0	2.1	0.250	*	*	20/ 1	17	]		18	20/ 1	* *	1.800	0.4		AIR COMPRESSOR RECEPT	
	WASH DOWN BOOTH LTG		L	2.5	0.300	*	*	20/ 1	19			20	20/ 1	* *	0.360	3.0		RENTAL DESK RECEPT	
	PRESSURE WASHER		R	15.0	1.800	*	*	20/ 1	21			22	20/ 1	* *	0.360	3.0		RENTAL DESK RECEPT	
	BEVERAGE UNIT		0	3.0	0.360	*	*	20/ 1	23			24	20/ 1	* *	1.650	13.7		EF-T1 (WASH DOWN BOOTH HOOD)	
	MAINT. ROOM RECEPTACLE		R	4.5	0.540	*	*	20/ 1	25			26	20/ 1	* *	0.500	4.2		TRC CONTACTOR	
	TRC RECEPTACLE		R	3.0	0.360	*	*	20/ 1	27			28	20/ 1	* *	1.650	13.7		EF-T2 (FULE CABINET)	
	TRC SIGN		L	10.0	1.200	*	*	20/ 1	29	]		30						SPARE	
	RECEPTACLE - ROOF		R	3.0	0.360	*	*	20/ 1	31			32	20/ 1	* *	0.360	3.0		OIL INTERCEPTOR PANEL	
	MENU BOARD		L	10.0	1.200	*	*	20/ 1	33			34	20/ 1	* *	0.600	5.0		PARTS WASHER	
	SPACE								35			36	20/ 1	* *	1.080	9.0		RENTAL DESK RECEPT	
	SPACE								37			38						SPACE	
	SPACE								39			40						SPACE	
	SPACE								41	1 -		42						SPACE	

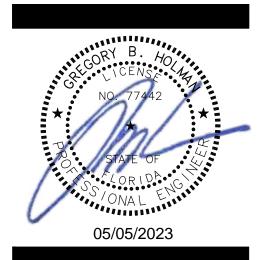


7007 DISCOVERY BLVD **DUBLIN, OH 43017** 614.634.7000 T

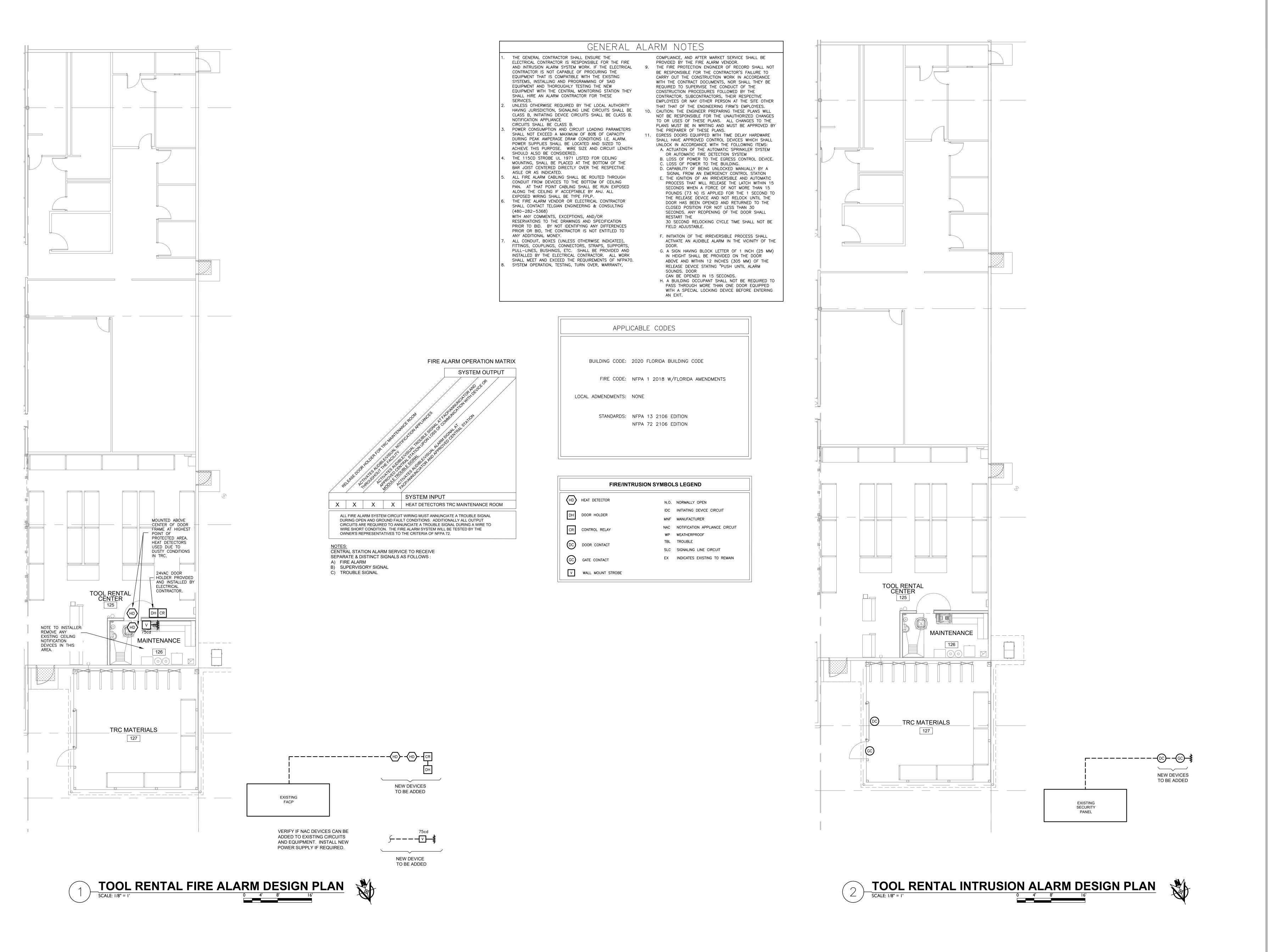
WDPARTNERS.COM

**LAKE CITY** TRC BUILD IN STORE#: 6864

215 SW HOME DEPOT DR LAKE CITY, FL 32025



WD PROJECT NUMBER



CONSULTANT: RAY DOTTS DESIGNER: JOHN SIMPSON QUALITY CONTROL: BRIAN SCUDDER

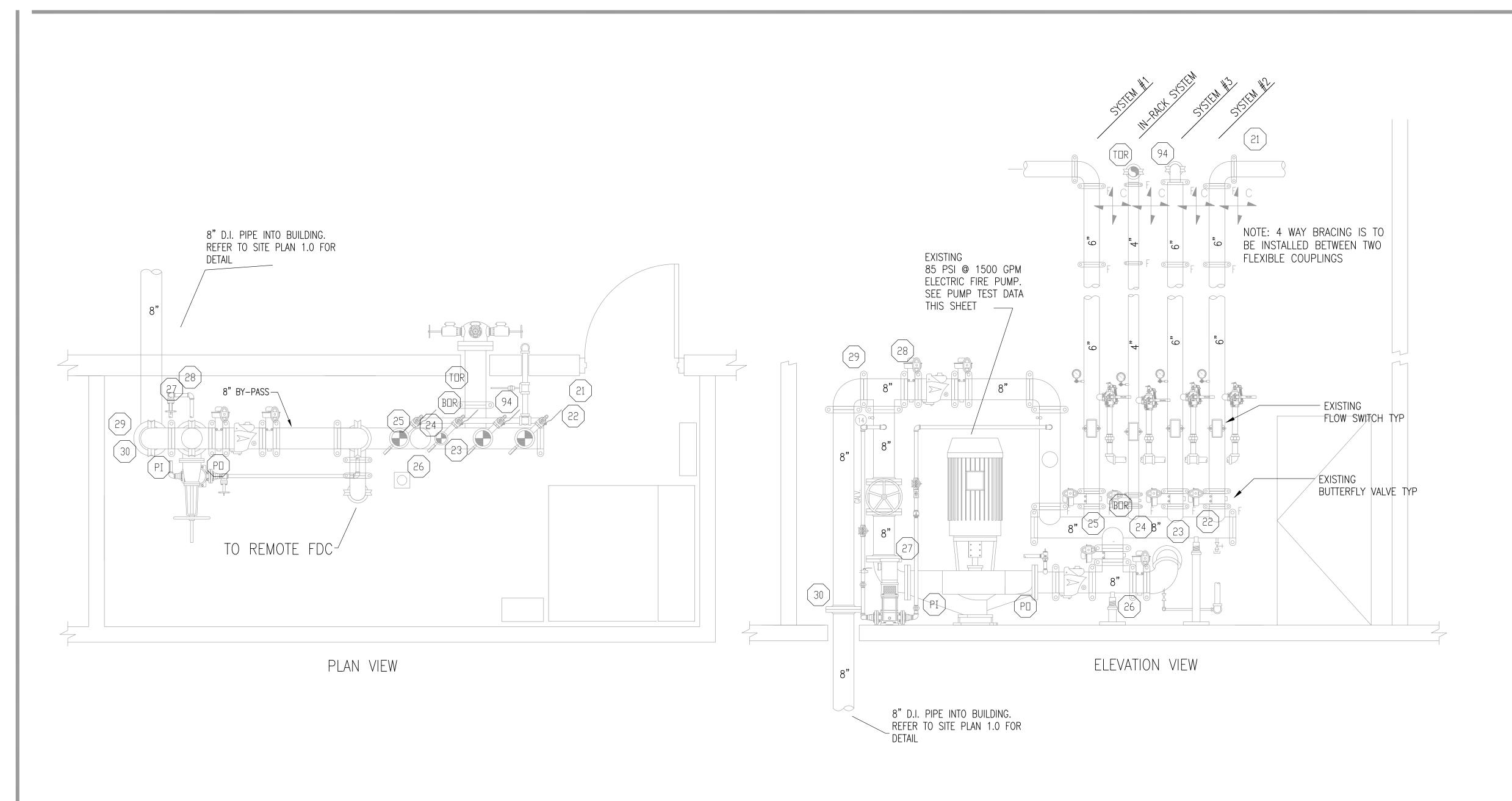


**Store # 6864** The Home Depot 215 SW HOME DEPOT LN LAKE CITY, FL 32025

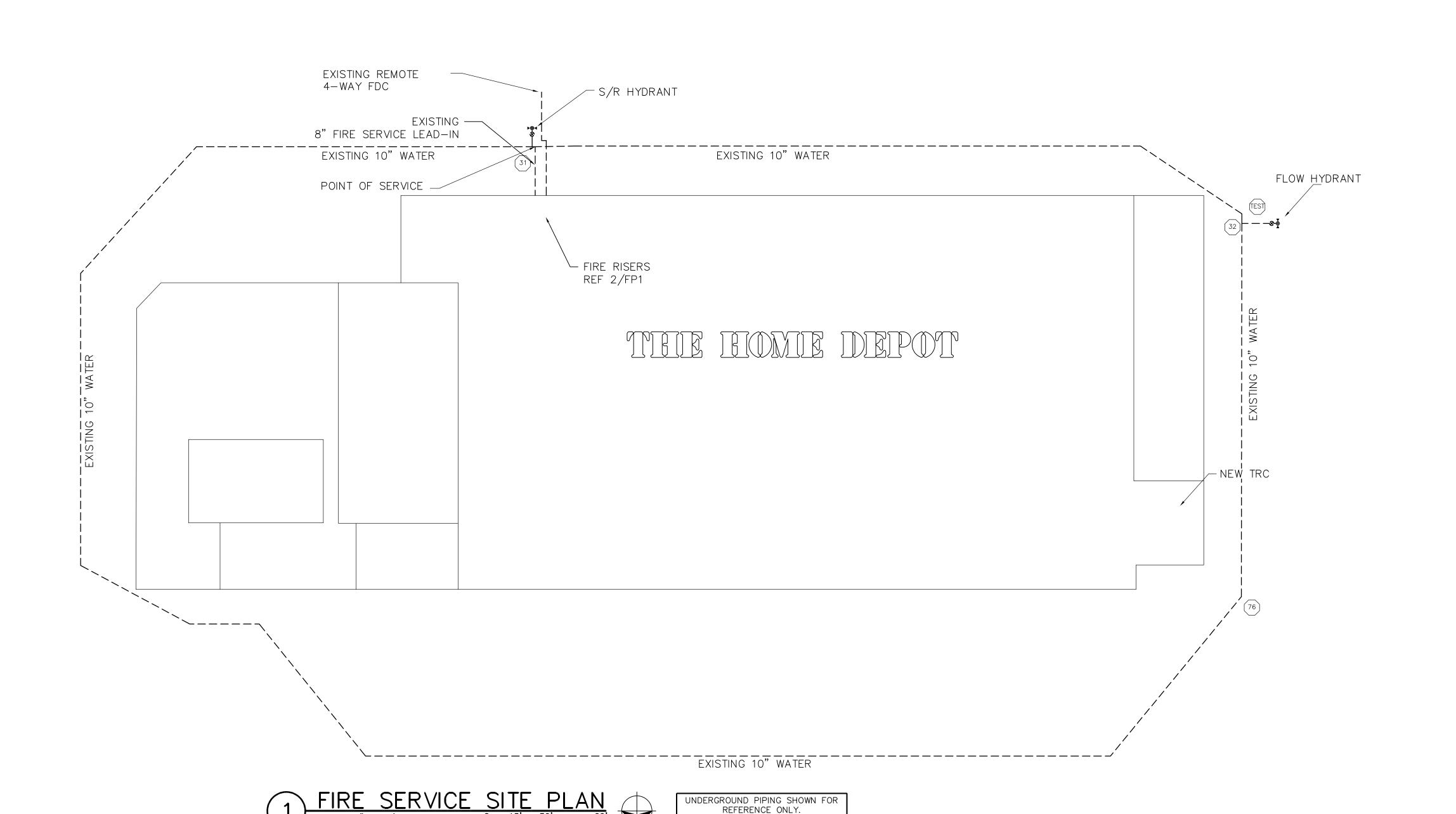


**DESIGN COMPLETE:** 05/04/2023

**HOME DEPOT** HDPTR0156 TF1.0 <sup>□</sup>



### 2 EXISTING FIRE PUMP/ RISER ROOM NOT TO SCALE EXISTING EQUIPMENT SHOWN FOR REFERENCE ONLY. NO NEW WORK U.N.O.



EF CIVIL PLANS FOR UTILITY WORK

	SHEET INDEX
SHEET NUMBER	SHEET NAME
FP1.0	FIRE SPRINKLER DETAILS AND NOTES
FP2.0	FIRE SPRINKLER PIPING PLAN
FP2.1	ENLARGED FIRE SPRINKLER PIPING PLAN
FP3.0	FIRE SPRINKLER DETAILS

### WATER SUPPLY INFORMATION

STATIC: RESIDUAL 80 PSI 60 PSI AT 2014 GPM INFORMATION DERIVED FROM WATER REPORT SUPPLIED BY:

TELGIAN E&C EFFECTIVE POINT OF WATER SUPPLY INFORMATION: S/R HYDRANT, REF 1/FP1

DATE OF TEST: 10/04/22 @ 10:00 AM

TEST PERFORMED BY: FLOW TEST ELEVATION: ±SAME AS BOR FT AMSL FINISHED FLOOR ELEVATION: ±SAME AS BOR FT AMSL EXISTING ELECTRIC FIRE PUMP: RATED 85PSI @ 1500 GPM

HYDRAULIC DEMANDS SHALL HAVE THE MINIMUM SAFETY FACTOR PER THE FOLLOWING: -5 PSI SAFETY FACTOR PER OWNER ADJUSTED WATER SUPPLY INFO:

STATIC: 55 PSI AT 2014 GPM RESIDUAL

### DESIGN CRITERIA

TOOL RENTAL CENTER: 0.60/2000 100 SQ/FT MAX SPACING

500 GPM HOSE ALLOWANCE IN-RACK SPRINKLERS:

COMBUSTIBLE LIQUIDS: THE ROOF SYSTEM OVER THE COMBUSTIBLE LIQUIDS IS DESIGNED TO A DENSITY OF 0.60 GPM PER SQUARE FOOT OVER THE HYDRAULICALLY MOST DEMANDING 2000 SQ. F THE CRITERIA IS BASED ON NFPA 30, 2015 EDITION, TABLE 16.5.2.1 FOR PROTECTION OF UP TO 25 FT OF CLASS I-B THROUGH III-A LIQUIDS SPECIAL NOTES 1 AND 5 WHERE A DENSITY OF 0.60 GPM/2000 SQ. FT. IS DERIVED. 6 IN RACK SPRINKLERS FLOWING A MINIMUM OF 30 GPM PER LEVEL SHALL BE BALANCED WITH THE OVERHEAD PROTECTION. OVERHEAD SPRINKLERS ARE 286-DEGREE CENTRAL ELO 11.2K W/ A MIN PRESSURE OF 10 PSI, WHICH PROTECT A MAXIMUM OF 100 SQ. FT., AND IN-RACK SPRINKLERS ARE

POLYSTYRENES:

155 DEGREE QUICK RESPONSE.

THE ROOF SYSTEM OVER EXPOSED EXPANDED PLASTICS IS DESIGNED FOR 6 SPRINKLERS @ 20 PSI. THE CRITERIA IS BASED ON FACTORY MUTUAL DATA SHEET 8-9, TABLE 8 FOR PROTECTION OF CARTONED UNEXPANDED PLASTICS WITH IN-RACK SPRINKLERS AT EVERY OTHER TRANSVERSE FLUE SPACE, UP TO 5 FT. STORAGE OVER THI TOP LEVEL OF IRAS, MAXIMUM 5 FT. CLEARANCE BETWEEN TOP OF STORAGE AND CEILING WHICH GIVES AN APPLICABLE CEILING HEIGHT OF 15 FT. FOR USE IN TABLE 8 WHERE THE 6 SPRINKLERS @ 20 PSI IS DERIVED. OVERHEAD SPRINKLERS ARE 286-DEGREE CENTRAL EC-25 25.2K W/ A MIN PRESSURE OF 20 PSI, WHICH PROTECT A MAXIMUM OF 100 SQ. FT., AND IN-RACK SPRINKLERS ARE 155 DEGREE QUICK RESPONSE.

### "POINT-OF-SERVICE"

FS 633.021(17)

"POINT-OF-SERVICE" MEANS THE POINT AT WHICH THE UNDERGROUND PIPING FOR A SPRINKLER SYSTEM USING WATER AS THE EXTINGUISHING AGENT BECOME USED EXCLUSIVELY FOR THE SPRINKLER SYSTEM.

### ENGINEER RESPONSIBILITIES

61G15-32.001 GENERAL RESPONSIBILITY

(5) FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS: THE FIRE PROTECTION SYSTEM ENGINEERING DRAWINGS, SPECIFICATIONS, PRESCRIPTIVE AND PERFORMANCE CRITERIA, WATER SUPPLY ANALYSIS AND OTHER MATERIALS OR REPRESENTATIONS, WHICH ARE SUBMITTED WITH THE GENERAL CONSTRUCTION DOCUMENTS PURSUANT TO 553.76(6)(C),FS, THAT SET FORTH THE OVERALL DESIGN REQUIREMENTS AND PROVIDE SUFFICIENT DIRECTION FOR THE CONTRACTOR TO LAYOUT THE CONSTRUCTION, ALTERATION, DEMOLITION, RENOVATION, REPAIR, MODIFICATION, PERMITTING AND SUCH, FOR ANY PUBLIC OR PRIVATE FIRE PROTECTION SYSTEM(S), WHICH ARE PREPARED, SIGNED, DATED AND SEALED BY THE ENGINEER OF RECORD FOR THE FIRE PROTECTION

(6) FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS:

LAYOUT DRAWINGS, HYDRAULIC CALCULATIONS, CATALOG INFORMATION ON STANDARD PRODUCTS, AND OTHER CONSTRUCTION DATA PREPARED BY THE LICENSED CONTRACTOR OR ENGINEER OF RECORD THAT PROVIDES DETAIL ON THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, CALCULATIONS AND ALSO SERVES AS A GUIDE FOR FABRICATION AND INSTALLATION OF A FIRE PROTECTION SYSTEM. FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS ARE BASED UPON ENGINEERING DIRECTION PROVIDED IN THE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS AND REQUIRE NO ADDITIONAL ENGINEERING INPUT. THESE DOCUMENTS DO NOT REQUIRE THE SEAL OF A FLORIDA REGISTERED ENGINEER.

### GENERAL NOTES

CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.

NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWINGS ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, THE EXTENT

AND THE GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN. COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THERETO.

3. PERFORM ALL WORK ACCORDING TO THE PROJECT PHASING SCHEDULE INFORMATION FOR THIS PROJECT. PROVIDE ALL NECESSARY FIRE PROTECTION WORK, TEMPORARY AND/OR OTHERWISE, AND USE WHATEVER MEANS NECESSARY, TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.

4. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION.

. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT. . BIDDING CONTRACTORS MUST REVIEW ALL DRAWINGS, CONSTRUCTION DOCUMENTS AND

SPECIFICATIONS PRIOR TO BID.

OWNER'S REVIEW CONSULTANT.

DESIGN, MATERIALS AND INSTALLATION SHALL CONFORM TO THE APPLICABLE CODES AS SHOWN, THE LOCAL CITY FIRE DEPARTMENT (AHJ), THE OWNER'S INSURANCE CARRIER, TRUSS MANÚFACTURER, STRUCTURAL ENGINEER AND THE

8. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO VERIFY ACTUAL CONDITIONS OF CONSTRUCTION AND TO MAINTAIN CONFORMANCE TO THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO BID.

FABRICATION OR INSTALLATION SHALL NOT COMMENCE PRIOR TO OBTAINING APPROVED SHOP DRAWINGS AND CALCULATIONS FROM TELGIAN AND ALL OTHER AUTHORITIES HAVING JURISDICTION.

10. THE TYPE OF CONSTRUCTION THROUGHOUT THE STRUCTURE IS UNOBSTRUCTED (SMOOTH CEILING) AS DEFINED IN NFPA 13. ALL SPRINKLER DEFLECTOR DISTANCES SHALL BE IN ACCORDANCE WITH THIS STANDARD

1. SPRINKLER PIPE SHALL BE PER NFPA STANDARDS, ACCORDING TO THEIR LISTINGS. ALL PIPING SHALL HAVE A CORROSION RESISTANCE RATIO OF 1.0 OR GREATER. CRIMP TYP INSTALLATIONS SHALL NOT BE ACCEPTABLE.

12. ALL HANGING METHODS AND ATTACHMENTS HAVE BEEN DESIGNED IN ACCORDANCE TO THE STANDARDS OUTLINED IN NFPA 13 AND/OR AS REQUIRED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

ALL PIPE/ FITTING TABLES USED IN PREPARATION OF THE HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH THE STANDARDS OUTLINED IN NFPA.

14. ALL WELDED PIPING TO BE JOINED BY GROOVED FITTINGS AND "RIGID" GROOVED COUPLINGS UNLESS INDICATED OTHERWISE.

TAMPER SWITCHES ON ALL CONTROL VALVES,

15. ALL THREADED PIPING TO BE JOINED BY THREADED CAST IRON FITTINGS. 16. SPRINKLER SYSTEMS SHALL BE MONITORED BY AN OFF SITE CENTRAL STATION INCLUDING

### APPLICABLE CODES

NFPA STANDARDS: NFPA 13

FIRE CODE ,NFPA 1, WITH FLORIDA AMMENDMENTS

### SCOPE OF WORK

CONTRACTOR IS TO ASSUME THE ROLE OF GENERAL CONTRACTOR AND PROVIDE A TURN KEY INSTALLATION FOR ALL TRADES INVOLVED INCLUDING BUT NOT LIMITED TO ALL FIRE PROTECTION, FIRE ALARM CONNECTIONS ELECTRICAL, PERMITS, ETC.

RENTAL CENTER AS SHOWN PER FP2.0. THESE DOCUMENTS

SYSTEM WATER FLOW INDICATORS (WET AND DRY), LOW AIR ALARM DEVICES (DRY SYSTEMS ONLY) AND, IF APPLICABLE, FIRE PUMP ROOM DEVICES.

17. AT VARIOUS STAGES, AND/OR UPON COMPLETION, ALL SYSTEMS SHALL BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY, CONTRACTOR SHALL PROVIDE ALL "MATERIAL AND TEST CERTIFICATES" PER NFPA 13 TO THE OWNERS FIRE PROTECTION CONSULTANT (TELGIAN) UPON COMPLETION OF TESTING AND PRIOR TO FINAL ACCEPTANCE BY THE OWNER.

THE FOLLOWING CERTIFICATES WILL BE REQUIRED AS A MINIMUM WHERE APPLICABLE: A. OVERHEAD HYDROTEST

B. OVERHEAD FINAL

FIRE RATED MASTIC.

EMPLOYEES.

PUMP CURVE ACCEPTANCE TEST 19. ALL PIPING PASSING THROUGH CONCRETE SLABS OF WALLS SHALL BE INSTALLED WITH ONE INCH CLEARANCE ON ALL SIDES FOR PIPING THREE INCHES IN DIAMETER OR SMALLER AND TWO INCHES CLEARANCE ON ALL SIDES FOR PIPING FOUR INCHES IN DIAMETER OF LARGER. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CORING WITH PROPER CLEARANCES AT ALL CONCRETE WALLS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TWO INCH CLEARANCE ON ALL SIDES AROUND ALL PIPING

20. PENETRATION OF "RATED ASSEMBLIES" SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL PER METHODS DESCRIBED BY THE STATE FIRE MARSHAL'S STANDARDS.

PASSING THOUGH CONCRETE SLABS. THE

SPRINKLER CONTRACTOR SHALL FILL ALL VOIDS

LEFT FROM CLEARANCES WITH AN APPROVED

21. THE FIRE PROTECTION ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK, THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEERING FIRM'S

22. THE INSTALLING CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL ACCEPTED CONSTRUCTION PRACTICES, SHALL BE REQUIRED TO ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

23. THE PREPARER OF THESE DRAWINGS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE DRAWINGS. ANY DEVIATIONS TO THE INFORMATION PROVIDED HEREIN SHALL BE IN WRITING AND MUST BE APPROVED BY THE FIRE SPRINKLER ENGINEER OF

24. INSTALLING CONTRACTOR MUST VERIFY ALL DROP DOWN LOCATIONS AT EXTERIOR WALLS WITH HOME DEPOT CONSTRUCTION SUPERVISOR. 25. SPRINKLERS USED SHALL NOT MAKE USE

OF O-RING TYPE SEALERS. 26. PROVIDE PROTECTION FROM CORROSION FOR SPRINKLERS WHERE REQUIRED BY LOCAL

27. ALL WORK TO BE CONDUCTED BETWEEN THE HOURS OF 10PM AND 6AM. PROVIDE FIRE WATCH IF REQUIRED BY THE AHJ, COORDINATE REQUIREMENTS.

### FIRE SPRINKLER PIPING **DEMOLITION NOTES**

FLORIDA BUILDING CODE WITH

INSTALL NEW PIPING & SPRINKLERS FOR TOOL ADD IN-RACK COVERAGE TO FOAM BOARD INSULATION SHEATHING RACKS AND COMBUSTIBLE RACKS, AS THESE COMMODITIES HAVE BEEN RELOCATED, PER

DEMOLISH IN-RACK PIPING FROM ONE (1) AREA INDICATED ON THESE SHEETS. DEMO EXISTING 4" BULK MAIN SEE FP2.0

# CONTRACTOR MUST VISIT THE BUILDING SITE

TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS

PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE. UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED. DISCONNECT, RELOCATE, AND RECONNECT EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT WHERE REQUIRED. NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWINGS ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, THE EXTENT AND THE GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR

AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS TO AN APPROVED DUMPING SITE AND CLEAN ALL FIRE PROTECTION WORK PRIOR THE PROJECT COMPLETION CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES. B. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS

DETAILS OMITTED OR NOT SHOWN. COMPLETE

ROADS THROUGHOUT THE PROJECT. 9. SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE. 10. THE CONTRACTOR SHALL PROPERLY NOTIFY THE LANDLORD, THE LESSOR AND THE ADJACENT TENANTS A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK. ALL WORK SHALL BE SCHEDULED IN ADVANCE.

\*NOT FOR CONSTRUCTION\*

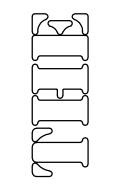
THESE DRAWINGS ARE FOR BID PURPOSES ONLY.



CONSULTANT: C. FOX DESIGNER: J. KUEPPERS **QUALITY CONTROL** 

WD PROJECT # HDPTR0156

D Wilson





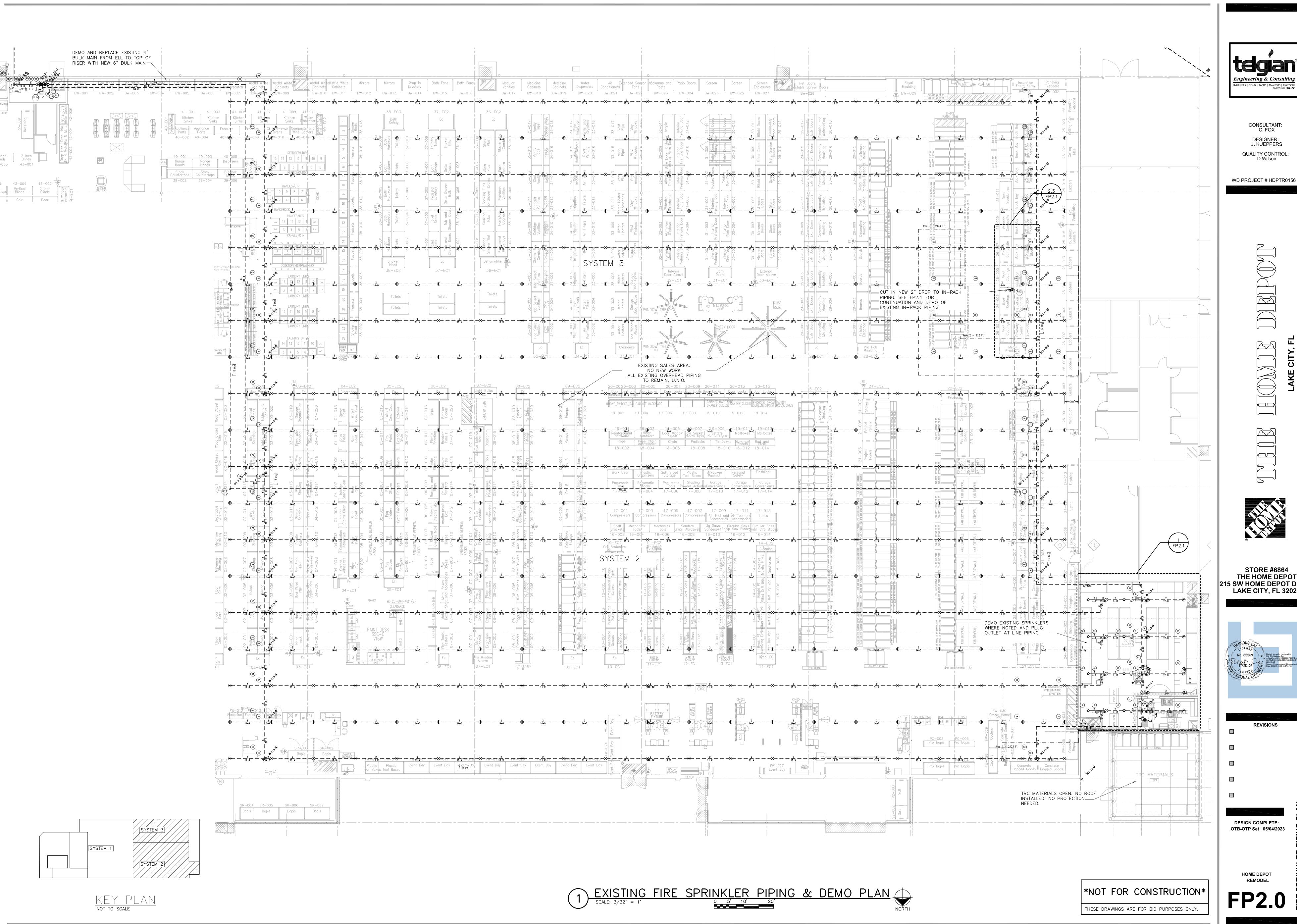
**STORE #6864** THE HOME DEPOT 215 SW HOME DEPOT DRIVE, LAKE CITY, FL 32025



REVISIONS

**DESIGN COMPLETE** OTB-OTP Set 05/04/2023

> **HOME DEPOT** REMODEL



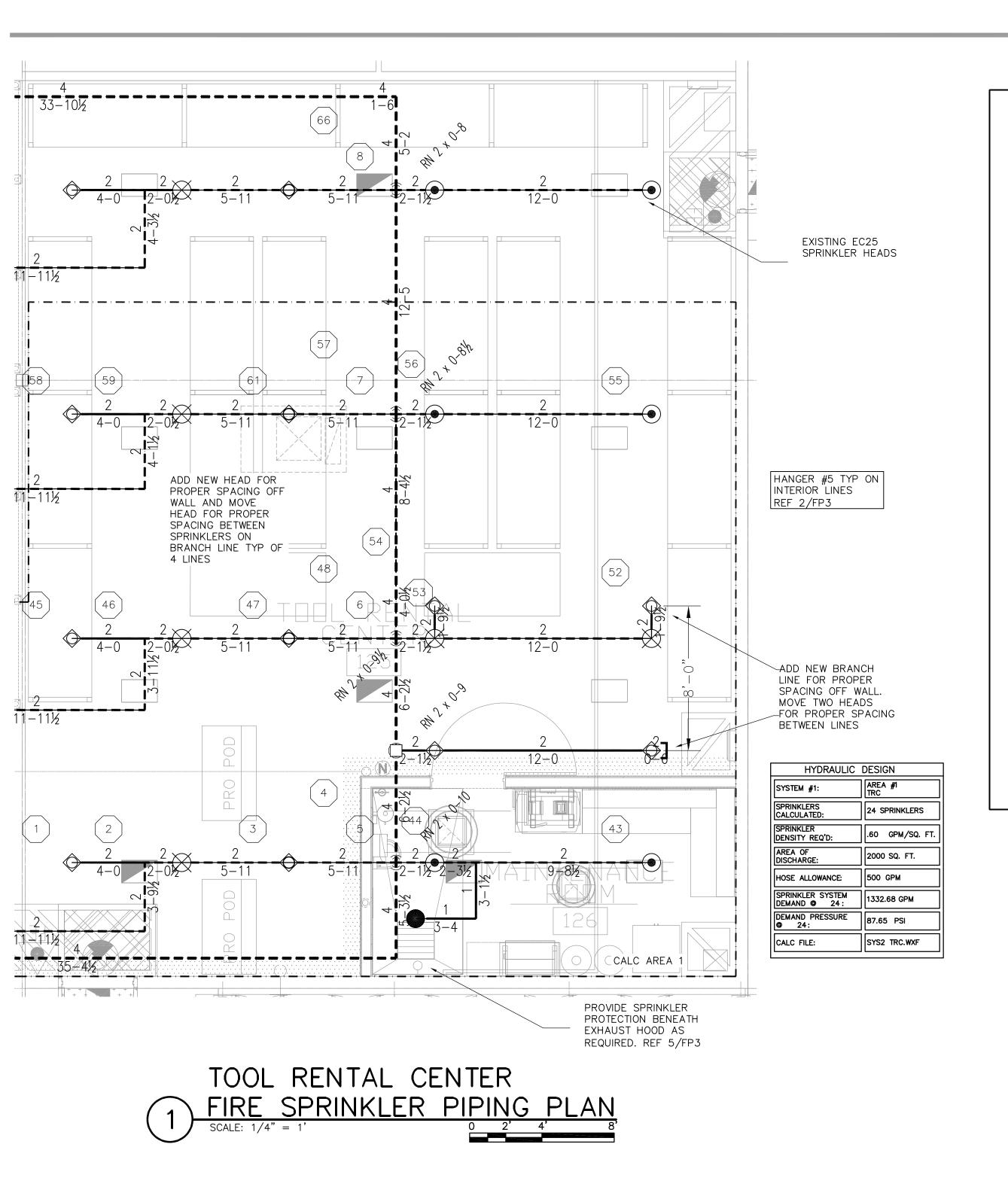
CONSULTANT: C. FOX J. KUEPPERS QUALITY CONTROL

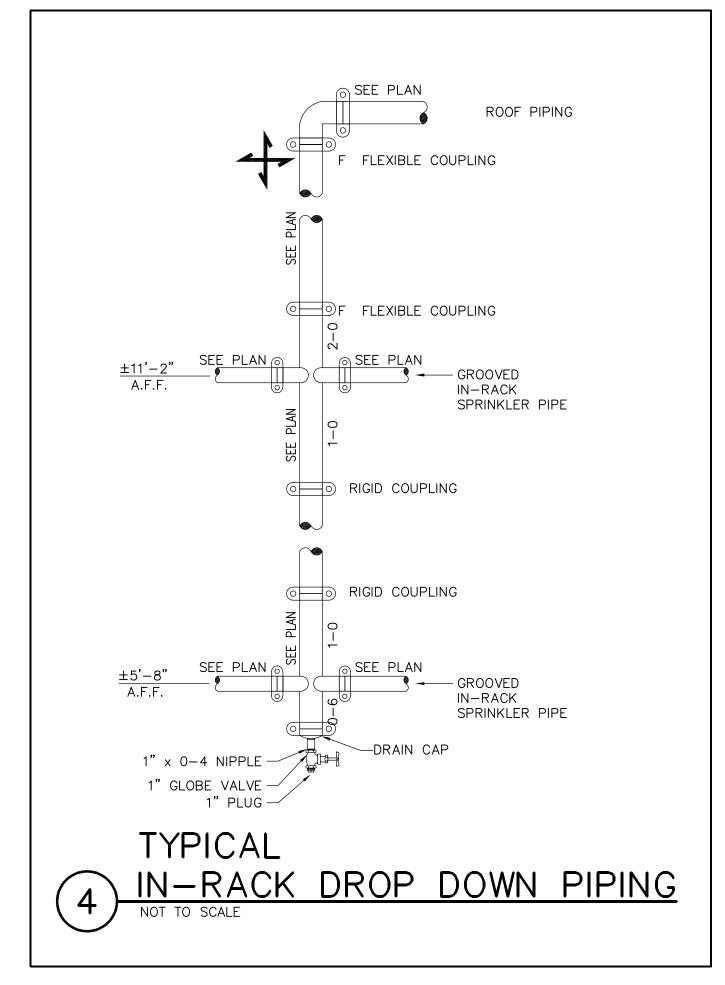
215 SW HOME DEPOT DRIVE LAKE CITY, FL 32025

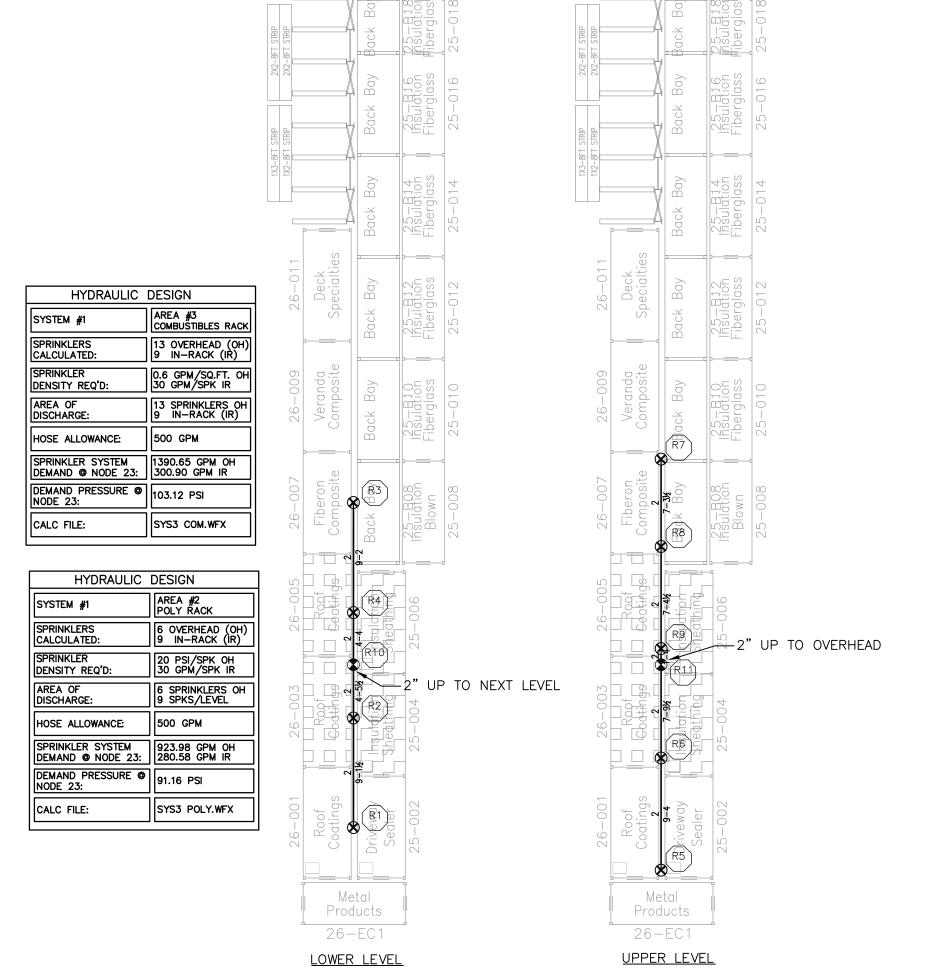


OTB-OTP Set 05/04/2023

FP2.0







SYMBOL	MFR	MODEL	S.I.N.	STYLE	FINISH	ESC	TEMP	K-FAC	TOTAL	
<b>\$</b>	TYCO	EC25	TY9128	SSU	BRASS	NONE	214°	25.2	12	
	TYCO	TY-B	TY325	SSP	CHROME	401	286°	5.6	1	
8	TYCO	TY-FRB	TY4131	SSU	BRASS	WS&HG	155°	8.0	9	
* INDICATES SPRINKLER ON 1" SPRIG  SYMBOL LEGEND										
SYMB	OL [	DESCRIPT	ION							
	E	EXISTING	BRANCH	LINE TO	REMAIN	I				
	EXISTING MAIN LINE TO REMAIN									
_	—   E	- BRANCH LINE TO BE INSTALLED								
	<u> </u>	MAIN LINE	TO BE	INSTALL	.ED					
•		EXISTING REMAIN	EC-25 \$	SPRINKLE	ERS TO					
<u></u>	/ H	HANGERS								
+-	-1	SWAY BR.	ACING							
	<b>→</b>   r	NEW DRIL	LED MEC	HANICAL	TEE TO	NEW PI	PING			
	- ¬ 🗆	HYDRAULIC CALCULATION AREA								
	<u></u>		HYDRAULIC REFERENCE POINT							
(X)		HYDRAULI	C REFER	ENCE PO	JIN I					
[ X	) +	HYDRAULI DEMO SPI			JIN I					

AUTOMATIC FIRE SPRINKLER LEGEND

LOWER LEVEL UPPER LEVEL		DIMENSION TA	
COMBUSTIBLE LIQUIDS & POLYSTYRENE RACK  SCALE: 1/8" = 1' 0 4' 8' 16'	NOMINAL SIZE	SCHEDULE 40 INSIDE DIAMETER	<u>SCHEDULE 10</u> INSIDE DIAMETER
SCALE: 1/8 = 1 0 4 0 10	1"	1.049"	1.097"
	1 1/4"	1.380"	1.442
	1 1/2"	1.610"	1.682"
	2"	2.067	2.157"
	2 1/2"	2.469"	2.635"
	3"	3.068"	3.260"
	4"	4.026"	4.260"
	6"	6.965	6.357"
	8"	7.981	8.249"

	'	1.010	7.007
	1 1/4"	1.380"	1.442"
	1 1/2"	1.610"	1.682"
	2"	2.067	2.157"
	2 1/2"	2.469	2.635"
	3"	3.068	3.260"
	4"	4.026	4.260"
	6"	6.965	6.357"
	8"	7.981"	8.249"
DENSITY	SCHEDULE	RACKING	NOTES
	LEVELS OF IN-RACK WITH DEFLECTORS AT O" AND 11'-6" A.F.F.	1. IN-RACK SPRINKLERS S 10'-0" ON CENTER.	SHALL BE A MAXIMUM C
THUUUUH POOF DENSI	ITY OVER THESE AREAS	2 A MINIMUM OF 6" VED	TICAL CLEAD SDACE

DEN	NSITY SCHEDULE	RACKING NOTES
LIQUIDS	DENOTES 2 LEVELS OF IN—RACK SPRINKLERS WITH DEFLECTORS AT APPROX. 6'—0" AND 11'—6" A.F.F.	1. IN-RACK SPRINKLERS SHALL BE A MAXIMUM O 10'-0" ON CENTER.
	ROOF DENSITY OVER THESE AREAS, BALANCED WITH IN-RACK SPRINKLERS, TO BE .60/2000 + 500 HOSE PROVISION PER NFPA 30, TABLE 16.5.2.1 FOR PROTECTION OF UP TO	2. A MINIMUM OF 6" VERTICAL CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE SPRINKLER DEFLECTORS AND THE TOP OF A TIER OF STORAGE. SPRINKLER DISCHARGE SHALL NOT BE OBSTRUCTED BY HORIZONTAL RACK MEMBERS.
	25' OF CLASS I—B THRU III—A LIQUIDS IN RELIEVING STYLE CONTAINERS. A MINIMUM OF 6 IN—RACK SPRINKLERS PER LEVEL SHALL BE CALCULATED. A	3. ALL SPRINKLERS LOCATED WITHIN RACKING TO HAVE WATER SHIELD AND SPRINKLER GUARD TYPI CAGE.
DOLVOTVDENE	MINIMUM OF 30 GPM IS REQUIRED AT EACH IN-RACK SPRINKLER WITH A MINIMUM PRESSURE OF 10 PSI.	4. DESIGN, INSTALLATION AND MATERIALS SHALL BE PER NFPA 13, 30, AND FMDS 8—9. EDITION PER APPLICABLE CODES (SEE SHEET 1.0).
POLYSTYRENE	DENOTES 2 LEVELS OF IN-RACK SPRINKLERS WITH DEFLECTORS AT	5. SPRINKLERS WITHIN THE SAME FLUE SPACE AT
	APPROX. 6'-0" AND 11'-6" A.F.F.	ALTERNATE LEVELS SHALL BE STAGGERED.

APPROX. 6'-0" AND 11'-6" A.F.F. ROOF DENSITY OVER THESE AREAS WITH IN-RACK FLOWING TO BE (6) 25.2K SPRINKLERS FLOWING AT 20 DATA SHEET 8—9 TABLE 8. A

EACH IN-RACK SPRINKLER.

LEGEND DENOTES IN-RACK PIPING DROP FROM MAIN

0'-0" ON CENTER.
2. A MINIMUM OF 6" VERTICAL CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE SPRINKLER DEFLECTORS AND THE TOP OF A TIER OF STORAGE. SPRINKLER DISCHARGE SHALL NOT BE DBSTRUCTED BY HORIZONTAL RACK MEMBERS.
3. ALL SPRINKLERS LOCATED WITHIN RACKING TO

HAVE WATER SHIELD AND SPRINKLER GUARD TYPE CAGE.

BE PER NFPA 13, 30, AND FMDS 8-9. EDITION PER APPLICABLE CODES (SEE SHEET 1.0). 5. SPRINKLERS WITHIN THE SAME FLUE SPACE AT ALTERNATE LEVELS SHALL BE STAGGERED. 6. AT NO TIME IS IT PERMITTED TO SCREW INTO OR DRILL HOLES THROUGH THE HORIZONTAL C PSI + 500 HOSE PROVISION PER FM | DIAGONAL BRACING ON THE RACKING. IN-RAC SPRINKLER BRANCH LINES CAN ONLY BE MINIMUM OF 7 IN-RACK SPRINKLERS ATTACHED TO THE VERTICAL POSTS USING PER LEVEL SHALL BE CALCULATED. A | EXISTING HOLES. SEE HANGER DETAIL #11, #1 MINIMUM OF 30 GPM IS REQUIRED AT AND #11B FOR THE PROPER HANGING METHOD. ANY MODIFICATIONS TO THE STRUCTURE OF T RACK WILL VOID THE MANUFACTURERS WARRAN AND RELEASES THE RACKING MANUFACTURER

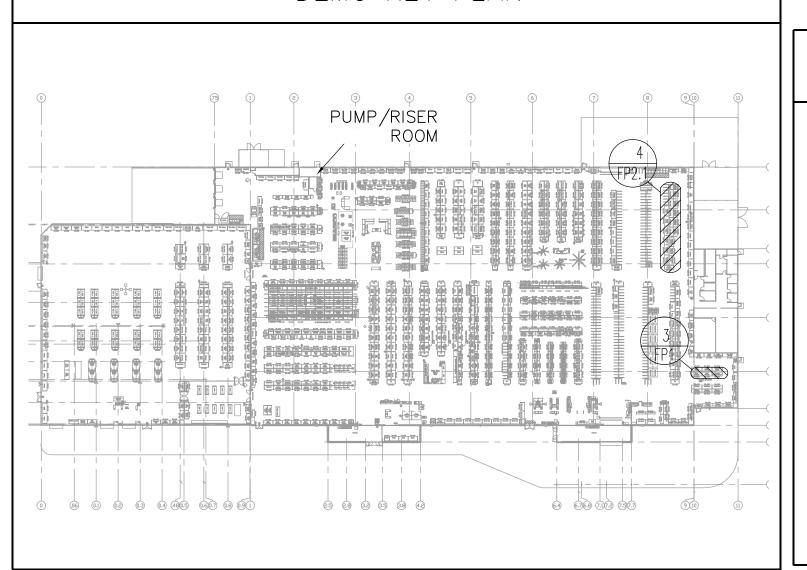
> FAILURE. 7. VERIFY THE LOCATION OF THE HORIZONTAL SHELVING SUPPORT PRIOR TO INSTALLATION THE IN-RACK PIPING WITH THE RACK INSTALL TO AVOID CONFLICT WITH HANGER HANGING

6. AT NO TIME IS IT PERMITTED TO SCREW INTO OR DRILL HOLES THROUGH THE HORIZONTAL OR DIAGONAL BRACING ON THE RACKING. IN—RACK SPRINKLER BRANCH LINES CAN ONLY BE ATTACHED TO THE VERTICAL POSTS USING EXISTING HOLES. SEE HANGER DETAIL #11, #11A AND #11B FOR THE PROPER HANGING METHOD. ANY MODIFICATIONS TO THE STRUCTURE OF THE RACK WILL VOID THE MANUFACTURERS WARRANTY AND RELEASES THE RACKING MANUFACTURER FROM ANY LIABILITY IN THE EVENT OF RACKING FAILURE.	No. 85569  No. 85569  Digitally signed by Hanhong Cal  Digitally s
7. VERIFY THE LOCATION OF THE HORIZONTAL SHELVING SUPPORT PRIOR TO INSTALLATION OF THE IN-RACK PIPING WITH THE RACK INSTALLER, TO AVOID CONFLICT WITH HANGER HANGING POINTS.	

KEY PLAN

\*NOT FOR CONSTRUCTION\* THESE DRAWINGS ARE FOR BID PURPOSES ONLY.

DEMO KEY PLAN	
PUMP/RISER ROOM	(1)



	DI
DEMOLISH EXISTING IN-RACK PIPING AND APPURTENANCES AND CAP AT ROOF LEVEL. REF 2/FP2.1 FOR	
NEW ROOF COATINGS AND INSULATION SHEATHING IN-RACK DESIGN	0 00 02 03 04 660 667 08 031

27-001    Roof    Coatings	27-003  Roof Coatings	27-005  Driveway Sealer
Roof Coatings	Roof Coatings	Concrete Bagged Goods
RACKS	26-004  R LINE BETWEEN	HERE REF 1/FP2.1. REF 2/FP2.1 FOR NEW ROOF COATINGS AND INSULATION SHEATHING IN—RACK DESIGN.
3 DEMO	EXISTIN	16 RACK 4' 8' 16'
SYSTEM 1	SYSTEM 3	

KEY PLAN

NOT TO SCALE

Metal

Products

29-EC1

p———q

**STORE #6864** 

CONSULTANT: C. FOX

DESIGNER: J. KUEPPERS

QUALITY CONTROL: D Wilson

WD PROJECT # HDPTR0156

THE HOME DEPOT

LAKE CITY, FL 32025

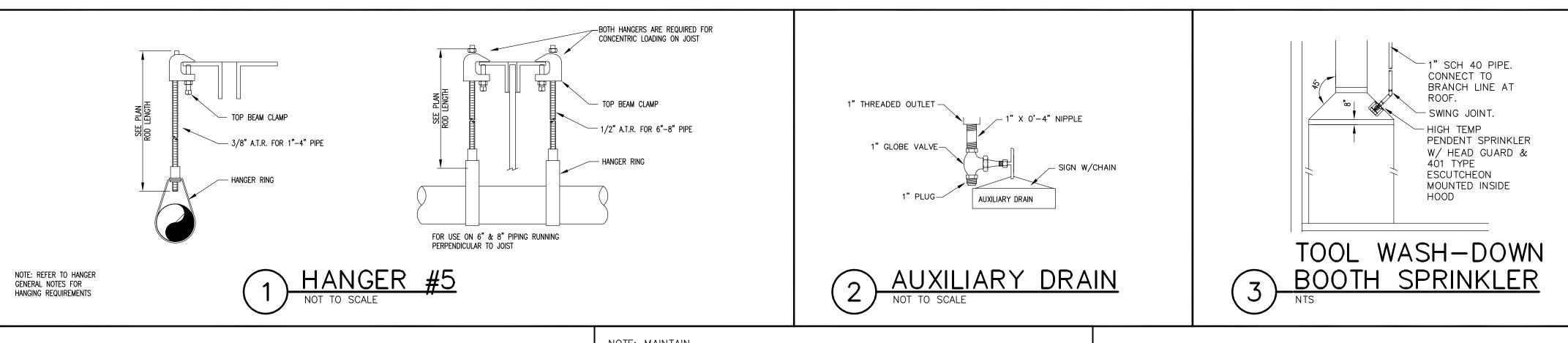
215 SW HOME DEPOT DRIVE,

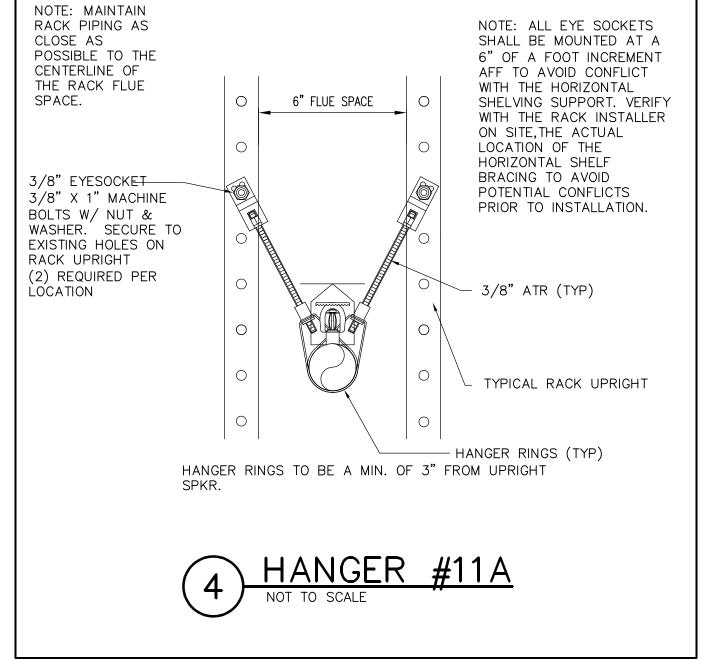
**DESIGN COMPLETE:** OTB-OTP Set 05/04/2023

REVISIONS

REMODEL

**HOME DEPOT** 





HANGER SPACING LEGEND							
STEEL - F	PARALLEL				steel – F	PERPENDICULAR	
PIPE SIZE	MAX. SPACING	HANGING POINT	TRAPEZE REQUIRED	OPTIONAL TRAPEZE SPACING	PIPE SIZE	MAX. SPACING	HANGING POINT
3"	10'-0"	OFF SIDE	NO	2 PER 21'-0	3"	7'-0"	OFF SIDE
4"	6'-0"	OFF SIDE	NO	2 PER 21'-0	4"	7'-0"	OFF SIDE
6"	14'-0"	CONCENTRIC	YES	2 PER 21'-0	6"	7'-0"	CONCENTRIC
8"	14'-0"	CONCENTRIC	YES	2 PER 21'-0	8"	7'-0"	CONCENTRIC

### HANGER GENERAL NOTES

1. ALL HANGERS FOR 3", 4", 6", AND 8" DIAMETER PIPE SHALL BE INSTALLED PER DETAILS ON THIS SHEET. IF THE 6" DIMENSION TO THE PANEL POINT CAN NOT BE ACHIEVED, A NEW WEB MEMBER CAN BE WELDED ON TO THE JOIST OR TRUSS.

2. INSTALLING SPRINKLER CONTRACTOR SHALL EXERCISE CAUTION WHEN FILLING SPRINKLER SYSTEM PIPING WITH AIR OR WATER TO MINIMIZE HORIZONTAL THRUST AND UNDUE LATERAL FORCE. 3. ANY DEVIATIONS AND CHANGES MUST BE BROUGHT TO THE ATTENTION OF THE FIRE SPRINKLER CONSULTANT IN WRITING BEFORE CHANGES ARE MADE.

4. NO PIPE HANGER SHALL BE ATTACHED TO INTERMEDIATE SUB-PURLINS OR ROOF DECK.

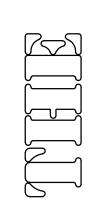
5. ALL HANGERS TO BE ATTACHED TO THE TOP CORD OF STRUCTURAL MEMBERS UNLESS DETAILED OR NOTED OTHERWISE.

6. HANG TO EVERY OTHER JOIST WHEN PIPING IS PERPENDICULAR TO STRUCTURE.

NOTE: MAINTAIN RACK PIPING AS CLOSE AS POSSIBLE TO THE CENTERLINE OF		NOTE: ALL EYE SOCKETS SHALL BE MOUNTED AT A 6" OF A FOOT INCREMENT AFF TO AVOID CONFLICT		
THE RACK FLUE SPACE.	O 6" FLUE SPACE	O WITH THE HORIZONTAL SHELVING SUPPORT. VERIFY WITH THE RACK INSTALLER		
		ON SITE, THE ACTUAL LOCATION OF THE HORIZONTAL SHELF		
3/8" EYESOCKET 3/8" X 1" MACHINE BOLTS W/ NUT &		BRACING TO AVOID POTENTIAL CONFLICTS PRIOR TO INSTALLATION.		
WASHER. SECURE TO EXISTING HOLES ON RACK UPRIGHT				
(2) REQUIRED PER LOCATION		3/8" ATR (TYP)		
		O TYPICAL RACK UPRIGHT		
HANGER RINGS TO BE A MIN. OF 3" FROM UPRIGHT				
SPKR.				
HANGER #11A				
	NOT TO SCALE			

DESIGNER: J. KUEPPERS QUALITY CONTROL: D Wilson

WD PROJECT # HDPTR0156





STORE #6864 THE HOME DEPOT 215 SW HOME DEPOT DRIVE, LAKE CITY, FL 32025



**DESIGN COMPLETE:** OTB-OTP Set 05/04/2023

HOME DEPOT REMODEL

\*NOT FOR CONSTRUCTION\*

THESE DRAWINGS ARE FOR BID PURPOSES ONLY.