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NOTE: PEMB DRAWINGS ARE INCLUDED FOR REFERENCE ONLY. SIGNED AND SEALED DOCUMENTS TO BE SUBMITTED UNDER A SEPARATE COVER

PERMIT SET

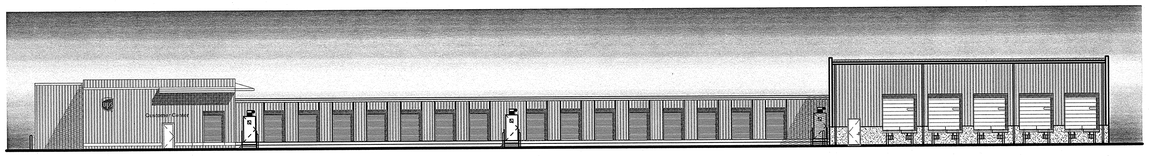
AUGUST 09, 2021

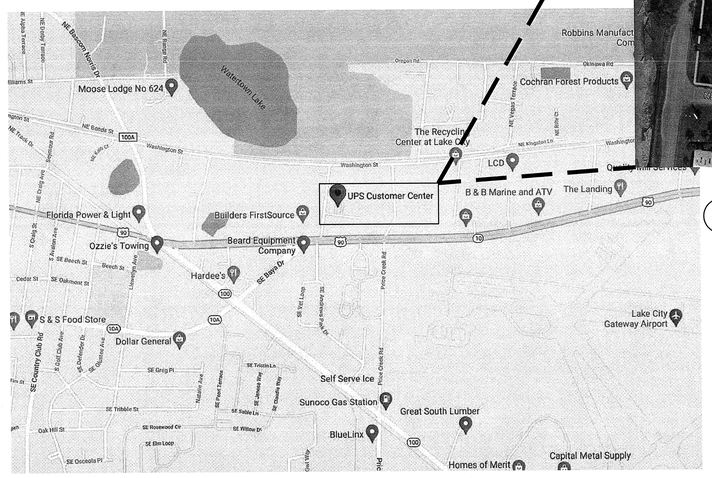
UNITED PARCEL SERVICE

LAKE CITY FACILITY RENOVATION

143 N.E. ARMOR GLEN

LAKE CITY, FL 72908





4A VICINITY MAP — NORTH

4B SITE MAP — NORTH

PFI PROJECT # 26197.00

Pickering

Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
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SEAL: STATE OF FLORIDA, THOMAS R. McCOLLUM, PE 81924, REGISTERED PROFESSIONAL ENGINEER, 8/09/2021

SHEET NUMBER: **G-000**

DESCRIPTION: COVER SHEET

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:

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SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

(FDOT)

N08°17'31"E 408.84' (M)
N04°49'47"E 408.84' (F)

EAST RIGHT OF WAY LINE OF COMMONWEALTH ROAD

WEST RIGHT OF WAY LINE OF CITY MAINTAINED ROAD PER O.R. BOOK 709, PAGE 510

TEMPORARY BENCHMARK (#126)
FOUND 4"X4" CONCRETE MONUMENT (LS 1519)
N.437178.2720
E.2570069.1770
ELEV. 193.48'
(NAVD 1988)

PARCEL: 34-3S-17-06875-003
OWNER: BOYS CLUB OF COLUMBIA CO INC
ADDRESS: 279 JONES WAY, LAKE CITY, FL
O.R. BOOK 596, PAGE 129

CHAINLINK FENCE

S83°43'42"E 526.00' (C)
S85°01'37"E 526.00' (D)
S83°44'36"E 525.68' (F)

PARCEL: 34-3S-17-06875-003
OWNER: BOYS CLUB OF COLUMBIA CO INC
ADDRESS: 279 JONES WAY, LAKE CITY, FL
O.R. BOOK 596, PAGE 129

S86°58'17"W 267.64' (D)
S88°24'48"W 267.64' (C)

S01°58'08"E 47.50' (D)
S00°31'37"E 47.50' (C)

WASHINGTON STREET

(NO I.D.)

SOUTH RIGHT OF WAY LINE OF WASHINGTON STREET

S00°29'29"E 474.37' (F)
S01°58'08"E 474.71' (D)
S00°31'37"E 474.71' (C)

POINT OF BEGINNING
PARCEL

24.80'
24.40'

(NO I.D.)

S00°29'44"E 746.22' (F)
S01°58'08"E 746.67' (D)
S00°31'37"E 746.67' (C)

1.0'

ASPHALT

CONC.

CHAINLINK FENCE

163.83'

330.18'

PARCEL: 34-3S-17-06875-001
OWNER: DIXIE BUILDING LLC
ADDRESS: 2753 US HIGHWAY 90, LAKE CITY, FL
O.R. BOOK 1283, PAGE 1398

N08°16'16"E 270.08' (F)
N04°49'47"E 270.02' (D)
N08°14'53"E 269.82' (F)

N08°14'53"E 240.82' (F)

KNOX ROAD (R)
N.E. ARMOR GLN (S)
60' MAINTAINED RIGHT OF WAY
(ASPHALT PAVED)

1 STORY BUILDING
SQUARE FOOTAGE OF BUILDING 280
FINISH FLOOR EL. 196.34'
BUILDING HEIGHT 11.5'

1 STORY METAL BUILDING
ADDRESS: 143 N.E. ARMOR GLN, LAKE CITY, FL 32055
SQUARE FOOTAGE OF BUILDING 4,252
FINISH FLOOR EL. 196.43'
NET FINISH FLOOR EL. 194.43'
BUILDING HEIGHT 20.2'

LOADING BAYS

PARCEL: 34-3S-17-06875-002
CONTAINING 3.10 ACRES
MORE OR LESS

18 150 9

116.46'

116.98'

59.04'

59.63'

59.81'

59.38'

59.96'

LIFT STATION

(LB 8071)
UPS SIGN

STOP SIGN

"BC"
1 STORY BUILDING
SQUARE FOOTAGE OF BUILDING 682
FINISH FLOOR EL. 196.41'
BUILDING HEIGHT 15.2'

COVERED CAR WASH AREA
BUILDING HEIGHT 15'

TEMPORARY LOADING DOCK

CATCH BASIN
GRATE: 193.75'
BOTTOM: 188.45'

OIL SEPERATOR
RIM: 193.85'
BOTTOM: 188.33'

OIL SEPERATOR
RIM: 193.72'
BOTTOM: 188.24'

CONC. RETAINING WALL

WOOD FENCE

UPS SIGN & DROP BOX

20' EXCEPTION

N83°43'42"W 557.64' (F)
N85°01'37"W 557.93' (D)
N83°43'42"W 557.93' (C)

TEMPORARY BENCHMARK (#126)
4"X4" CONCRETE MONUMENT (LS 1519)
N.436910.0510
E.2570439.8110
ELEV. 194.27'
(NAVD 1988)

(LS 1519)

N.E. ARMOR GLEN
40' RIGHT OF WAY
(20' +/- ASPHALT)

N83°43'53"W 270.79' (F)
N85°01'37"W 270.80' (D)

PARCEL: 34-3S-17-06875-000
OWNER: WOOD PRODUCTS INC
ADDRESS: 118 ARMOR GLN, LAKE CITY, FL
O.R. BOOK 1173, PAGE 1030

N83°39'31"W 289.74' (F)
N85°01'37"W 289.51' (D)

PARCEL: 34-3S-17-06875-004
OWNER: HUNTER G W INC
ADDRESS: 2685 US HIGHWAY 90, LAKE CITY, FL
O.R. BOOK 606, PAGE 661

S00°30'10"E 251.72' (F)
S00°58'08"E 271.98' (D)
S00°30'19"E 271.98' (C)
S00°31'37"E 271.96' (C)

(LB 8071)

POINT OF BEGINNING
20' EXCEPTION

(TOP BROKEN)

(TOP BROKEN)

1A **SURVEY**
1" = 20'

NORTH

REVISIONS:

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: MLS
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Land / Water Resources
126 Main Street
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

KOBY L. COULON
LICENSE
No. 88829
12/29/2021
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SHEET NUMBER:
C0

DESCRIPTION:
SURVEY

GENERAL NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES PRIOR TO STARTING ANY CONSTRUCTION.
2. AT THE END OF CONSTRUCTION, CONTRACTOR TO MAKE READY ALL ACTIVITIES REQUIRED TO PREPARE FOR OWNERS REMOVAL OF END WALL MOBILE DOCK UNIT. THIS INCLUDES REMOVING FLASHING, ELECTRICAL, DIAMOND PLATE DOCK TRANSITION AND REPAIRING METAL PANELS.

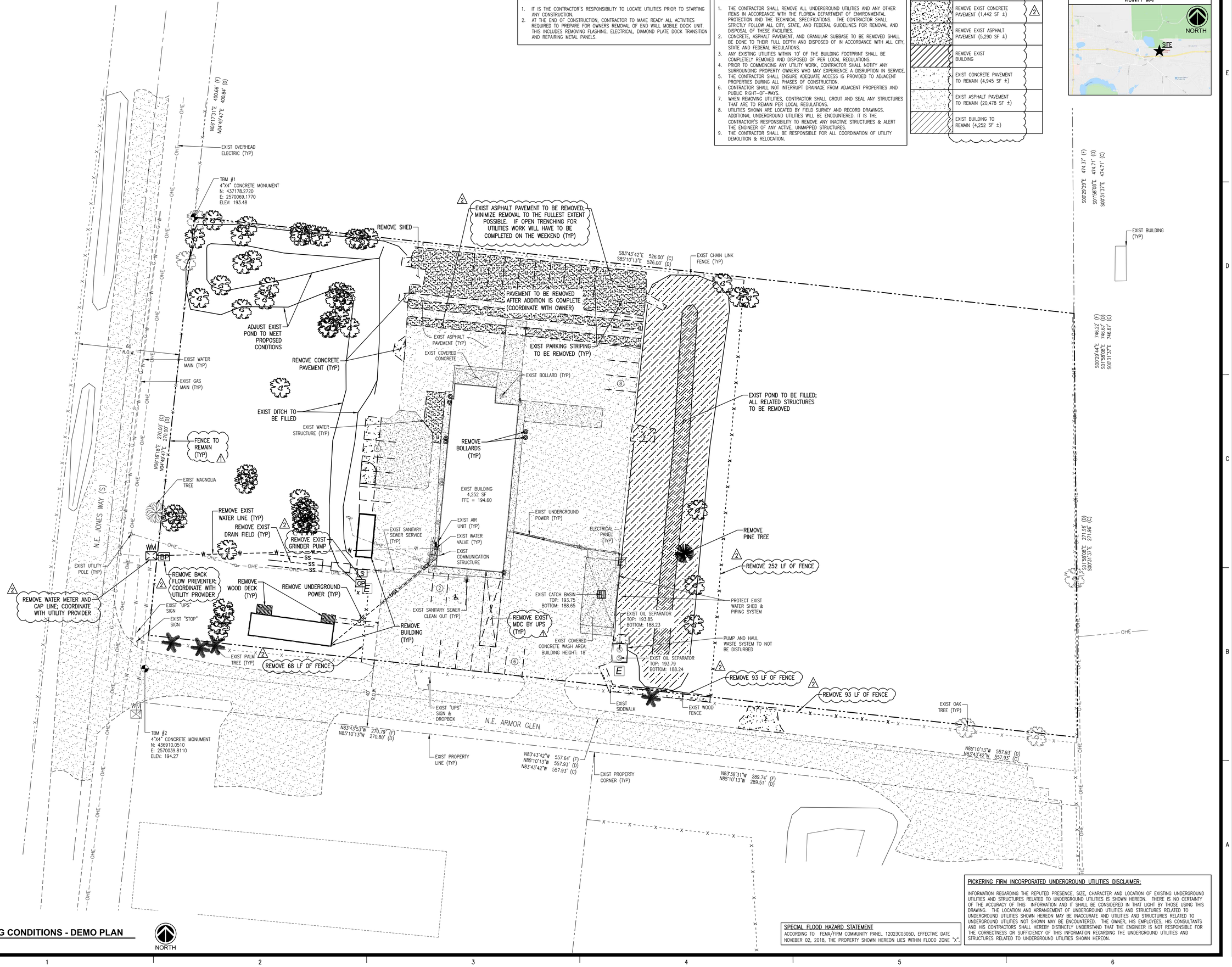
DEMOLITION NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL UNDERGROUND UTILITIES AND ANY OTHER ITEMS IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL CITY, STATE, AND FEDERAL GUIDELINES FOR REMOVAL AND DISPOSAL OF THESE FACILITIES.
2. CONCRETE, ASPHALT PAVEMENT, AND GRANULAR SUBBASE TO BE REMOVED SHALL BE DONE TO THEIR FULL DEPTH AND DISPOSED OF IN ACCORDANCE WITH ALL CITY, STATE AND FEDERAL REGULATIONS.
3. ANY EXISTING UTILITIES WITHIN 10' OF THE BUILDING FOOTPRINT SHALL BE COMPLETELY REMOVED AND DISPOSED OF PER LOCAL REGULATIONS.
4. PRIOR TO COMMENCING ANY UTILITY WORK, CONTRACTOR SHALL NOTIFY ANY SURROUNDING PROPERTY OWNERS WHO MAY EXPERIENCE A DISRUPTION IN SERVICE.
5. THE CONTRACTOR SHALL ENSURE ADEQUATE ACCESS IS PROVIDED TO ADJACENT PROPERTIES DURING ALL PHASES OF CONSTRUCTION.
6. CONTRACTOR SHALL NOT INTERRUPT DRAINAGE FROM ADJACENT PROPERTIES AND PUBLIC RIGHT-OF-WAYS.
7. WHEN REMOVING UTILITIES, CONTRACTOR SHALL GROUT AND SEAL ANY STRUCTURES THAT ARE TO REMAIN PER LOCAL REGULATIONS.
8. UTILITIES SHOWN ARE LOCATED BY FIELD SURVEY AND RECORD DRAWINGS. ADDITIONAL UNDERGROUND UTILITIES WILL BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY INACTIVE STRUCTURES & ALERT THE ENGINEER OF ANY ACTIVE, UNMAPPED STRUCTURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF UTILITY DEMOLITION & RELOCATION.

HATCH LEGEND

- REMOVE EXIST CONCRETE PAVEMENT (1,442 SF ±) — 2
- REMOVE EXIST ASPHALT PAVEMENT (5,290 SF ±)
- REMOVE EXIST BUILDING
- EXIST CONCRETE PAVEMENT TO REMAIN (4,945 SF ±)
- EXIST ASPHALT PAVEMENT TO REMAIN (20,478 SF ±)
- EXIST BUILDING TO REMAIN (4,252 SF ±)

VICINITY MAP



SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

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1A **EXISTING CONDITIONS - DEMO PLAN**
1" = 20'

NORTH

REVISIONS:		
1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #:	26197.00
DATE:	August 09, 2021
DRAWN BY:	MLS
DESIGNER:	KJC
CHECKED BY:	CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
126 Rue Magnolia
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER:

C1

DESCRIPTION:
EXISTING CONDITIONS – DEMO PLAN

SITE DATA

UPS
143 NE ARMOR GLEN
LAKE CITY, FL 32055

ZONING:

SET BACK REQUIREMENTS
FRONT 20 FT
REAR 15 FT
SIDE 15 FT

LAND AREA:	EXISTING	PROPOSED
PERVIOUS	97,450 SF	41,195 SF
IMPERVIOUS	37,612 SF	93,867 SF
TOTAL	132,062 SF	135,062 SF

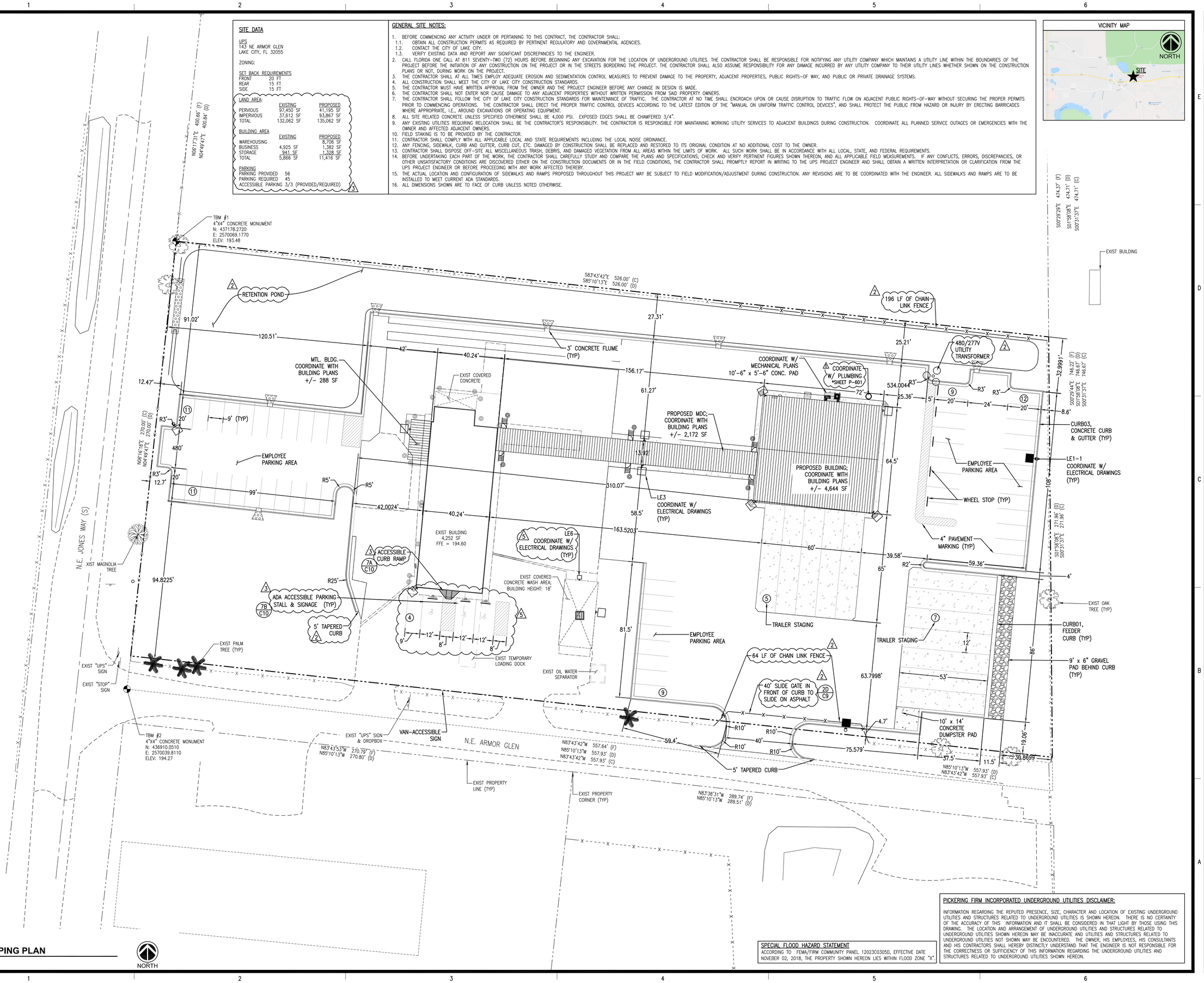
BUILDING AREA	EXISTING	PROPOSED
WAREHOUSING		8,706 SF
BUSINESS	4,925 SF	1,382 SF
STORAGE	941 SF	1,328 SF
TOTAL	5,866 SF	11,416 SF

PARKING
PARKING PROVIDED 56
PARKING REQUIRED 45
ACCESSIBLE PARKING 3/3 (PROVIDED/REQUIRED)

GENERAL SITE NOTES:

1. BEFORE COMMENCING ANY ACTIVITY UNDER OR PERTAINING TO THIS CONTRACT, THE CONTRACTOR SHALL:
   1.1. OBTAIN ALL CONSTRUCTION PERMITS AS REQUIRED BY PERTINENT REGULATORY AND GOVERNMENTAL AGENCIES.
   1.2. CONTACT THE CITY OF LAKE CITY.
   1.3. VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
2. CALL FLORIDA ONE CALL AT 811 SEVENTY-TWO (72) HOURS BEFORE BEGINNING ANY EXCAVATION FOR THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT BEFORE THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING WORK ON THE PROJECT.
3. THE CONTRACTOR SHALL AT ALL TIMES EMPLOY ADEQUATE EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT DAMAGE TO THE PROPERTY, ADJACENT PROPERTIES, PUBLIC RIGHTS-OF WAY, AND PUBLIC OR PRIVATE DRAINAGE SYSTEMS.
4. ALL CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY CONSTRUCTION STANDARDS.
5. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE OWNER AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.
6. THE CONTRACTOR SHALL NOT ENTER NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT WRITTEN PERMISSION FROM SAID PROPERTY OWNERS.
7. THE CONTRACTOR SHALL FOLLOW THE CITY OF LAKE CITY CONSTRUCTION STANDARDS FOR MAINTENANCE OF TRAFFIC. THE CONTRACTOR AT NO TIME SHALL ENCROACH UPON OR CAUSE DISRUPTION TO TRAFFIC FLOW ON ADJACENT PUBLIC RIGHTS-OF-WAY WITHOUT SECURING THE PROPER PERMITS PRIOR TO COMMENCING OPERATIONS. THE CONTRACTOR SHALL ERECT THE PROPER TRAFFIC CONTROL DEVICES ACCORDING TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND SHALL PROTECT THE PUBLIC FROM HAZARD OR INJURY BY ERECTING BARRICADES WHERE APPROPRIATE, I.E., AROUND EXCAVATIONS OR OPERATING EQUIPMENT.
8. ALL SITE RELATED CONCRETE UNLESS SPECIFIED OTHERWISE SHALL BE 4,000 PSI. EXPOSED EDGES SHALL BE CHAMFERED 3/4".
9. ANY EXISTING UTILITIES REQUIRING RELOCATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WORKING UTILITY SERVICES TO ADJACENT BUILDINGS DURING CONSTRUCTION. COORDINATE ALL PLANNED SERVICE OUTAGES OR EMERGENCIES WITH THE OWNER AND AFFECTED ADJACENT OWNERS.
10. FIELD STAKING IS TO BE PROVIDED BY THE CONTRACTOR.
11. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL AND STATE REQUIREMENTS INCLUDING THE LOCAL NOISE ORDINANCE.
12. ANY FENCING, SIDEWALK, CURB AND GUTTER, CURB CUT, ETC. DAMAGED BY CONSTRUCTION SHALL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
13. CONTRACTOR SHALL DISPOSE OFF-SITE ALL MISCELLANEOUS TRASH, DEBRIS, AND DAMAGED VEGETATION FROM ALL AREAS WITHIN THE LIMITS OF WORK. ALL SUCH WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
14. BEFORE UNDERTAKING EACH PART OF THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE PLANS AND SPECIFICATIONS; CHECK AND VERIFY PERTINENT FIGURES SHOWN THEREON, AND ALL APPLICABLE FIELD MEASUREMENTS. IF ANY CONFLICTS, ERRORS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED EITHER ON THE CONSTRUCTION DOCUMENTS OR IN THE FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT IN WRITING TO THE UPS PROJECT ENGINEER AND SHALL OBTAIN A WRITTEN INTERPRETATION OR CLARIFICATION FROM THE UPS PROJECT ENGINEER OR BEFORE PROCEEDING WITH ANY WORK AFFECTED THEREBY.
15. THE ACTUAL LOCATION AND CONFIGURATION OF SIDEWALKS AND RAMPS PROPOSED THROUGHOUT THIS PROJECT MAY BE SUBJECT TO FIELD MODIFICATION/ADJUSTMENT DURING CONSTRUCTION. ANY REVISIONS ARE TO BE COORDINATED WITH THE ENGINEER. ALL SIDEWALKS AND RAMPS ARE TO BE INSTALLED TO MEET CURRENT ADA STANDARDS.
16. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

VICINITY MAP



1A **SITE & STRIPING PLAN**
1" = 20'

NORTH

SPECIAL FLOOD HAZARD STATEMENT
ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

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REVISIONS:

2	10/21/21	ADD. #2
3	11/16/21	ADD. #3
5	12/29/21	ADD. #5

PROJECT #: 26197.00
DATE: AUGUST 9, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Asset Mgt. / Water Resources
126 Main Street
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SHEET NUMBER:
C2

DESCRIPTION:
SITE & STRIPING PLAN

CONCRETE PAVING NOTES:

1. ALL CONCRETE PAVING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD CONSTRUCTION SPECIFICATIONS OR THE UPS STANDARD CONSTRUCTION SPECIFICATIONS (WHICHEVER STANDARD IS MORE CONSERVATIVE).
2. WHERE PRACTICAL CONCRETE PAVING CONTRACTION JOINTS SHALL BE SAWCUT BOTH WAYS ON A SQUARE GRID. CONSTRUCTION JOINTS SHALL BE PLACED BETWEEN ALL POURS.
3. A CONSTRUCTION JOINT SHALL BE INSTALLED AT A PLANNED JOINT WHEN PAVING OPERATIONS ARE INTERRUPTED FOR MORE THAN 30 MINUTES. IF THE INTERRUPTION OCCURS BETWEEN PLANNED JOINTS, THE FRESH CONCRETE SHALL BE REMOVED BACK TO THE PREVIOUSLY INSTALLED JOINT. UNLESS OTHERWISE APPROVED, NO JOINTS WILL BE ALLOWED BETWEEN THE JOINTS SHOWN ON THE JOINTING PLAN.
4. EDGES OF CONCRETE SLABS SHALL BE COVERED WITH AN APPROVED CURING MATERIAL AT THE SAME TIME AS THE SURFACE IS CURED. AT FORMED LOCATIONS, SLAB SIDES SHALL BE CURED WHEN FORMS ARE REMOVED.
5. CONCRETE SHALL BE PLACED IN ONE COURSE. ALL REINFORCING SHALL BE INSTALLED USING ENGINEER-APPROVED METHODS. THE REINFORCING SHALL RETAIN ITS SPECIFIED POSITION DURING CONCRETE PLACEMENT. REINFORCING VIBRATED DOWN FROM THE TOP OR PULLED FROM THE BOTTOM AFTER CONCRETE IS PLACED WILL NOT BE ALLOWED.
6. CONCRETE PAVEMENT ELEVATIONS SHALL NOT DEVIATE FROM PLAN GRADES BY MORE THAN 0.5-INCH.
7. G.C. TO RESEAL ALL CONTROL JOINTS IN EXISTING CONCRETE PAVEMENT (FILL WITH BACKER ROD WHERE EXISTING OPENING IS TOO WIDE).
8. PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, THE GC IS TO REPAIR ANY AREAS OF EXISTING AND NEWLY CONSTRUCTED PAVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COSTS TO THE OWNER.
9. PAVEMENT SUBGRADES SHALL BE PER THE REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION PERFORMED BY TERRACON, DATED DECEMBER 5, 2019.

ASPHALT PAVING NOTES:

1. ASPHALT PAVEMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD CONSTRUCTION SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR ALL ASPHALT AND SOIL CEMENT FOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL ALSO SUBMIT A LETTER FROM THE TESTING LAB CERTIFYING THAT THE SUBMITTED PAVEMENT SECTIONS MEET THE APPLICABLE REQUIREMENTS OF THE FDOT.
3. ALL ASPHALT AND BASE COURSE ELEVATIONS SHALL NOT DEVIATE FROM PLAN GRADES BY MORE THAN 0.5-INCH. THE THICKNESS OF THE BASE SHALL NOT DEVIATE FROM THE THICKNESS SHOWN ON THE PLANS BY MORE THAN PLUS 1.5-INCHES OR MINUS 0-INCHES. THE THICKNESS OF THE ASPHALT PAVING SECTIONS SHALL NOT DEVIATE FROM THE THICKNESS SHOWN ON THE PLANS BY MORE THAN PLUS 1-INCH OR MINUS 0-INCHES.
4. PROVIDE FIRE LANE STRIPING AND SIGNAGE AS REQUIRED BY LOCAL REQUIREMENTS.
5. PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, THE GC IS TO REPAIR ANY AREAS OF EXISTING AND NEWLY CONSTRUCTED PAVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COSTS TO THE OWNER.
6. ACCESSIBLE PARKING, ROUTES, AND RAMPS SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).

HATCH LEGEND

- HEAVY DUTY ASPHALT PAVEMENT (43,788 SF ±)
- CONCRETE PAVEMENT (9,741 SF ±)
- OVERLAY ASPHALT PAVEMENT (4,836 SF ±)

VICINITY MAP

TBM #1
4"X4" CONCRETE MONUMENT
N: 437178.2720
E: 2570069.1770
ELEV: 193.48

TBM #2
4"X4" CONCRETE MONUMENT
N: 436910.0510
E: 2570039.8110
ELEV: 194.27

EXIST CHAIN LINK FENCE (TYP)

CHAIN LINK FENCE (TYP)

OVERLAY ASPHALT AS NEEDED TO ENSURE POSITIVE DRAINAGE AND PACKAGE CAR ACCESS TO MDC. OVERLAY TO VARY UP TO 1' ± THICKNESS

HEAVY DUTY ASPHALT PAVEMENT (TYP)

EXIST COVERED CONCRETE

TYPE BUMPER (TYP)

PROPOSED MDC; COORDINATE WITH BUILDING PLANS +/- 2,172 SF

EXIST BUILDING 4,252 SF FFE = 194.60

BEVEL EDGES OF CONCRETE PAVEMENT TO ASPHALT (TYP)

3' EXTERIOR CONCRETE PAVEMENT (TYP)

EDGE OF PAVEMENT (TYP)

PROPOSED BUILDING; COORDINATE WITH BUILDING PLANS +/- 4,644 SF

CONCRETE PAVEMENT (TYP)

HEAVY DUTY ASPHALT

EXIST COVERED CONCRETE WASH AREA; BUILDING HEIGHT: 18'

EXIST ASPHALT PAVEMENT (TYP)

HEAVY DUTY ASPHALT PAVEMENT (TYP)

THICKENED EDGE WHERE CONCRETE MEETS ASPHALT (TYP) • SEE DETAIL 6D, SHEET C8

CONCRETE PAVEMENT

CONSTRUCTION JOINT (TYP)

14' x 13'-6" CONCRETE DUMPSTER PAD

CONTROL JOINT (LOCATE ALONG PAVEMENT STRIPING WHERE APPLICABLE) (TYP)

86.5'

EXIST "UPS" SIGN & DROPBOX

EXIST PROPERTY LINE (TYP)

EXIST PROPERTY CORNER (TYP)

N.E. JONES WAY (S)

N.E. ARMOR GLEN

N00°17'31"E 400.66' (F) N00°49'47"E 400.84' (D)

N05°16'18"E 270.00' (C) N04°49'47"E 270.00' (D)

S83°43'42"E 526.00' (C) S85°10'13"E 526.00' (D)

S07°29'29"E 474.37' (F) S01°58'08"E 474.71' (D) S00°31'37"E 474.71' (C)

S07°29'14"E 746.22' (F) S01°58'08"E 746.67' (D) S00°31'37"E 746.67' (C)

S01°58'08"E 271.96' (D) S00°31'37"E 271.96' (C)

N83°43'42"W 270.79' (F) N85°10'13"W 270.80' (D)

N83°43'42"W 557.64' (F) N85°10'13"W 557.93' (D) N83°43'42"W 557.93' (C)

N85°10'13"W 557.93' (D) N83°43'42"W 557.93' (C)

N83°38'31"W 289.74' (F) N85°10'13"W 289.51' (D)

12.5' 12.5' 25.0' 12.5' 13.0' 12' 12' 12' 12' 12' 12' (TYP)

14' 13' 13' 13'

SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE ENGINEER IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON.

1A **PAVING PLAN**
1" = 20'

NORTH

REVISIONS:

1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

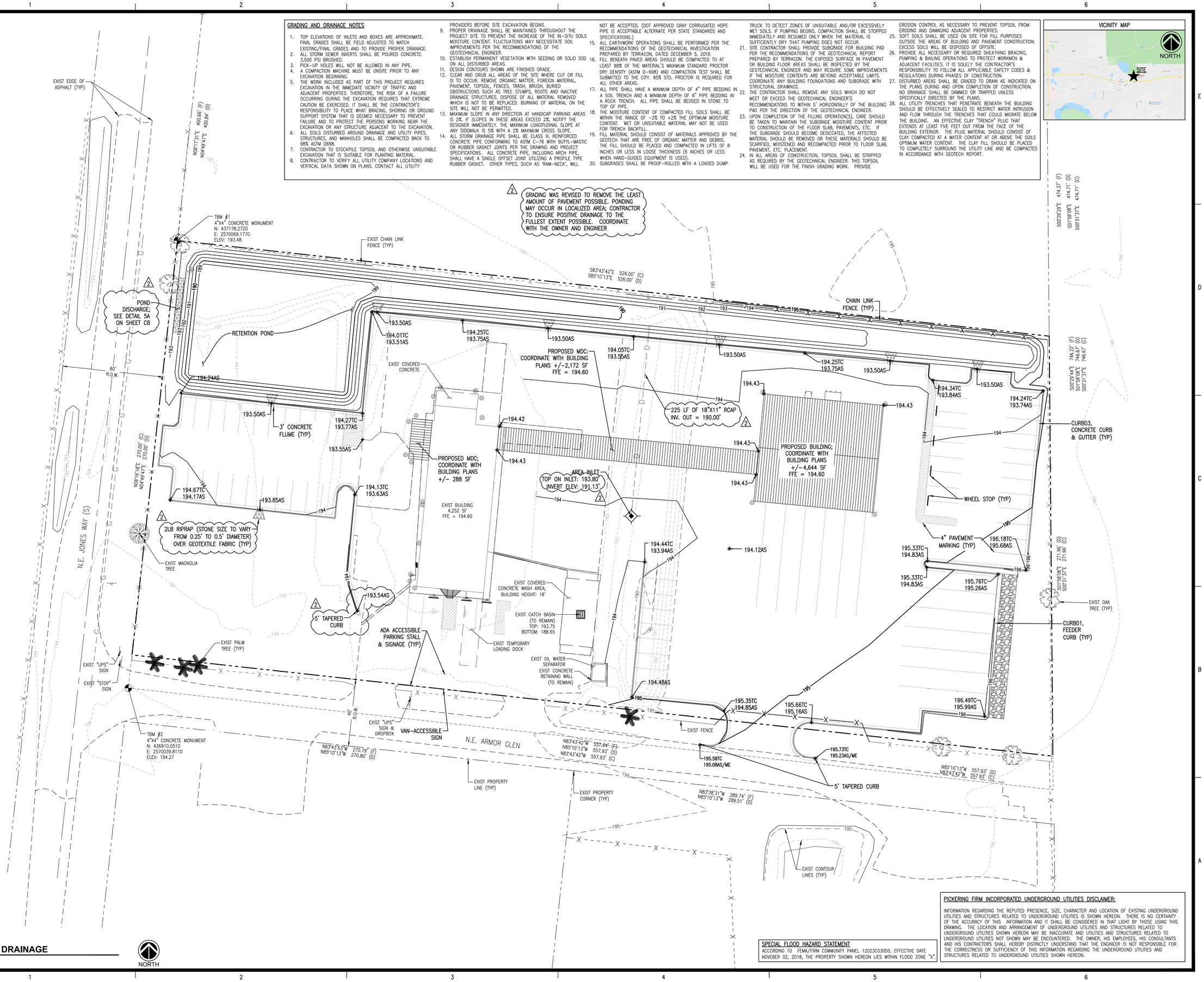
SEAL:

SHEET NUMBER:
C3

DESCRIPTION:
PAVING PLAN

GRADING AND DRAINAGE NOTES

1. TOP ELEVATIONS OF INLETS AND BOXES ARE APPROXIMATE. FINAL GRADES SHALL BE FIELD ADJUSTED TO MATCH EXISTING/FINAL GRADES AND TO PROVIDE PROPER DRAINAGE.
2. ALL STORM SEWER INVERTS SHALL BE POURED CONCRETE. 3,500 PSI BRUSHED.
3. PICK-UP HOLES WILL NOT BE ALLOWED IN ANY PIPE.
4. A COMPACTION MACHINE MUST BE ONSITE PRIOR TO ANY EXCAVATION BEGINNING.
5. THE WORK INCLUDED AS PART OF THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT FAILURE AND TO PROTECT THE PERSONS WORKING NEAR THE EXCAVATION OR ANY STRUCTURE ADJACENT TO THE EXCAVATION.
6. ALL SOILS DISTURBED AROUND DRAINAGE AND UTILITY PIPES, STRUCTURES, AND MANHOLES SHALL BE COMPACTED BACK TO 98% ASTM D698.
7. CONTRACTOR TO STOCKPILE TOPSOIL AND OTHERWISE UNSUITABLE EXCAVATION THAT IS SUITABLE FOR PLANTING MATERIAL.
8. CONTRACTOR TO VERIFY ALL UTILITY COMPANY LOCATIONS AND VERTICAL DATA SHOWN ON PLANS. CONTACT ALL UTILITY PROVIDERS BEFORE SITE EXCAVATION BEGINS.
9. PROPER DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PROJECT SITE TO PREVENT THE INCREASE OF THE IN-SITU SOILS MOISTURE CONTENT. FLUCTUATIONS MAY NECESSITATE SOIL IMPROVEMENTS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
10. ESTABLISH PERMANENT VEGETATION WITH SEEDING OR SOLID SOD ON ALL DISTURBED AREAS.
11. DESIGN CONTOURS SHOWN ARE FINISHED GRADE.
12. CLEAR AND GRUB ALL AREAS OF THE SITE WHERE CUT OR FILL IS TO OCCUR. REMOVE ORGANIC MATTER, FOREIGN MATERIAL, PAVEMENT, TOPSOIL, FENCES, TRASH, BRUSH, BURIED OBSTRUCTIONS SUCH AS TREE STUMPS, ROOTS AND INACTIVE DRAINAGE STRUCTURES. DISPOSE OF ALL MATERIAL REMOVED WHICH IS NOT TO BE REPLACED. BURNING OF MATERIAL ON THE SITE WILL NOT BE PERMITTED.
13. MAXIMUM SLOPE IN ANY DIRECTION AT HANDICAP PARKING AREAS IS 2%. IF SLOPES IN THESE AREAS EXCEED 2%, NOTIFY THE DESIGNER IMMEDIATELY. THE MAXIMUM LONGITUDINAL SLOPE AT ANY SIDEWALK IS 5% WITH A 2% MAXIMUM CROSS SLOPE.
14. ALL STORM DRAINAGE PIPE SHALL BE CLASS III, REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76 WITH BUTYL-MASTIC OR RUBBER GASKET JOINTS PER THE DRAWING AND PROJECT SPECIFICATIONS. ALL CONCRETE PIPE, INCLUDING ARCH PIPE, SHALL HAVE A SINGLE OFFSET JOINT UTILIZING A PROFILE TYPE RUBBER GASKET. OTHER TYPES, SUCH AS "RAM-NECK", WILL NOT BE ACCEPTED. (DOT APPROVED GRAY CORRUGATED HDPE PIPE IS ACCEPTABLE ALTERNATE PER STATE STANDARDS AND SPECIFICATIONS.)
15. ALL EARTHWORK OPERATIONS SHALL BE PERFORMED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION PREPARED BY TERRACON, DATED DECEMBER 5, 2019.
16. FILL BENEATH PAVED AREAS SHOULD BE COMPACTED TO AT LEAST 98% OF THE MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D-698) AND COMPACTION TEST SHALL BE SUBMITTED TO THE CITY. 95% STD. PROCTOR IS REQUIRED FOR ALL OTHER AREAS.
17. ALL PIPE SHALL HAVE A MINIMUM DEPTH OF 4" PIPE BEDDING IN A SOIL TRENCH AND A MINIMUM DEPTH OF 6" PIPE BEDDING IN A ROCK TRENCH. ALL PIPE SHALL BE BEDDED IN STONE TO TOP OF PIPE.
18. THE MOISTURE CONTENT OF COMPACTED FILL SOILS SHALL BE WITHIN THE RANGE OF -2% TO +2% THE OPTIMUM MOISTURE CONTENT. WET OR UNSUITABLE MATERIAL MAY NOT BE USED FOR TRENCH BACKFILL.
19. FILL MATERIAL SHOULD CONSIST OF MATERIALS APPROVED BY THE GEOTECH THAT ARE FREE OF ORGANIC MATTER AND DEBRIS. THE FILL SHOULD BE PLACED AND COMPACTED IN LIFTS OF 8 INCHES OR LESS IN LOOSE THICKNESS (6 INCHES OR LESS WHEN HAND-GUIDED EQUIPMENT IS USED).
20. SUBGRADES SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK TO DETECT ZONES OF UNSUITABLE AND/OR EXCESSIVELY WET SOILS. IF PUMPING BEGINS, COMPACTION SHALL BE STOPPED IMMEDIATELY AND RESUMED ONLY WHEN THE MATERIAL IS SUFFICIENTLY DRY THAT PUMPING DOES NOT OCCUR.
21. SITE CONTRACTOR SHALL PROVIDE SUBGRADE FOR BUILDING PAD PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY TERRACON. THE EXPOSED SURFACE IN PAVEMENT OR BUILDING FLOOR AREAS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER AND MAY REQUIRE SOME IMPROVEMENTS IF THE MOISTURE CONTENTS ARE BEYOND ACCEPTABLE LIMITS. COORDINATE ANY BUILDING FOUNDATIONS AND SUBGRADE WITH STRUCTURAL DRAWINGS.
22. THE CONTRACTOR SHALL REMOVE ANY SOILS WHICH DO NOT MEET OR EXCEED THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS TO WITHIN 5' HORIZONTALLY OF THE BUILDING PAD PER THE DIRECTION OF THE GEOTECHNICAL ENGINEER.
23. UPON COMPLETION OF THE FILLING OPERATION(S), CARE SHOULD BE TAKEN TO MAINTAIN THE SUBGRADE MOISTURE CONTENT PRIOR TO CONSTRUCTION OF THE FLOOR SLAB, PAVEMENTS, ETC. IF THE SUBGRADE SHOULD BECOME DESICCATED, THE AFFECTED MATERIAL SHOULD BE REMOVED OR THESE MATERIALS SHOULD BE SCARIFIED, MOISTENED AND RECOMPACTED PRIOR TO FLOOR SLAB, PAVEMENT, ETC. PLACEMENT.
24. IN ALL AREAS OF CONSTRUCTION, TOPSOIL SHALL BE STRIPPED AS REQUIRED BY THE GEOTECHNICAL ENGINEER. THIS TOPSOIL WILL BE USED FOR THE FINISH GRADING WORK. PROVIDE EROSION CONTROL AS NECESSARY TO PREVENT TOPSOIL FROM ERODING AND DAMAGING ADJACENT PROPERTIES.
25. SOFT SOILS SHALL BE USED ON SITE FOR FILL PURPOSES OUTSIDE THE AREAS OF BUILDING AND PAVEMENT CONSTRUCTION. EXCESS SOILS WILL BE DISPOSED OF OFFSITE.
26. PROVIDE ALL NECESSARY OR REQUIRED SHEATHING BRACING, PUMPING & BAILING OPERATIONS TO PROTECT WORKMEN & ADJACENT FACILITIES. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES & REGULATIONS DURING PHASES OF CONSTRUCTION.
27. DISTURBED AREAS SHALL BE GRADED TO DRAIN AS INDICATED ON THE PLANS DURING AND UPON COMPLETION OF CONSTRUCTION. NO DRAINAGE SHALL BE DAMMED OR TRAPPED UNLESS SPECIFICALLY DIRECTED BY THE PLANS.
28. ALL UTILITY TRENCHES THAT PENETRATE BENEATH THE BUILDING SHOULD BE EFFECTIVELY SEALED TO RESTRICT WATER INTRUSION AND FLOW THROUGH THE TRENCHES THAT COULD MIGRATE BELOW THE BUILDING. AN EFFECTIVE CLAY "TRENCH" PLUG THAT EXTENDS AT LEAST FIVE FEET OUT FROM THE FACE OF THE BUILDING EXTERIOR. THE PLUG MATERIAL SHOULD CONSIST OF CLAY COMPACTED AT A WATER CONTENT AT OR ABOVE THE SOILS OPTIMUM WATER CONTENT. THE CLAY FILL SHOULD BE PLACED TO COMPLETELY SURROUND THE UTILITY LINE AND BE COMPACTED IN ACCORDANCE WITH GEOTECH REPORT.



1A **GRADING & DRAINAGE**
1" = 20'

NORTH

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:

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SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

VICINITY MAP

REVISIONS:

1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: MLS
CHECKED BY: CBW

Pickering
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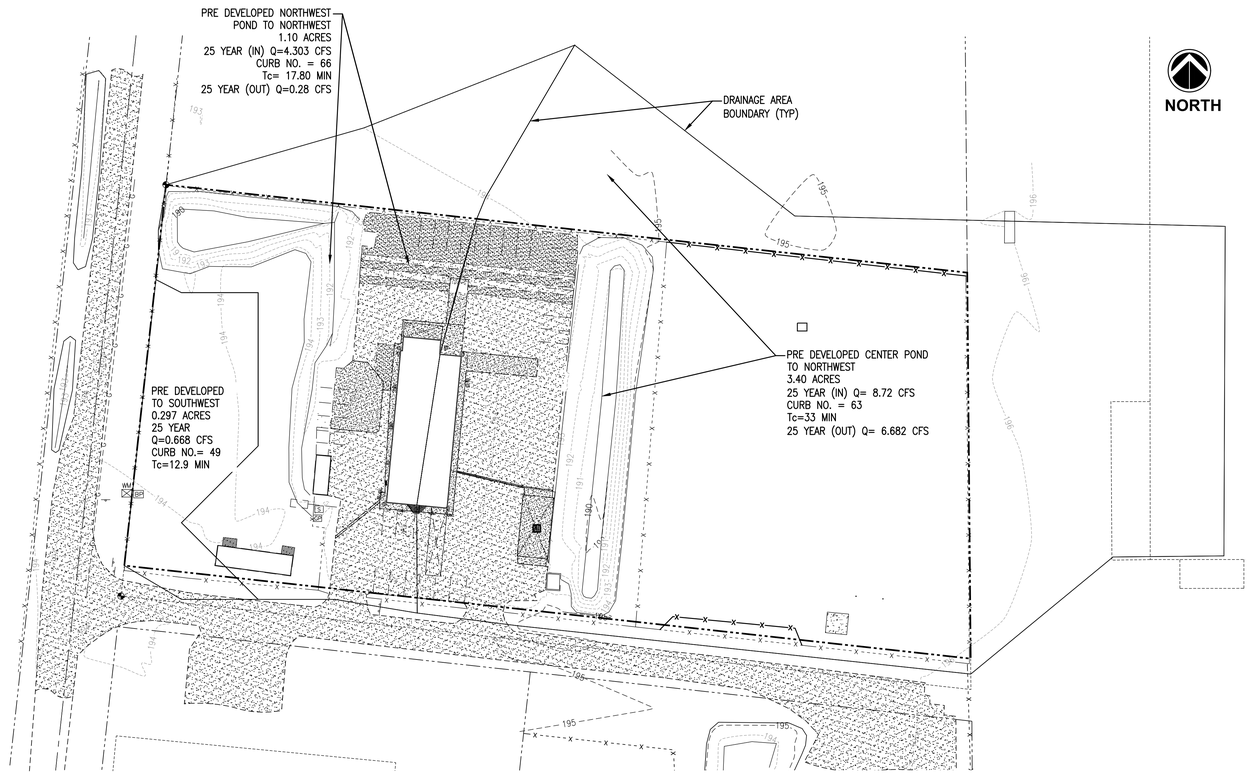
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER:

C4

DESCRIPTION:
GRADING & DRAINAGE



1A PRE-DEVELOPED DRAINAGE MAP
1" = 40'

RUNOFF CALCULATIONS
25 YEAR DESIGN STORM EVENT

EXISTING CONDITIONS

DESCRIPTION	AREA (AC)	PEAK FLOW (CFS)	TIME TO PEAK (MIN)
NW FROM CENTER POND	3.4	6.682	746
NW FROM NW POND	1.1	0.277	824
SW OFF SITE	0.297	0.668	722

*The SW Offsite flow and Center and NW pond discharge all flow into the ditch on the N/W end of the property

PROPOSED CONDITIONS

DESCRIPTION	AREA (AC)	PEAK FLOW (CFS)	TIME TO PEAK (MIN)
DISCHARGE OUT OF WEST WEIR FROM DETENTION POND		1.692	766
SW OFF-SITE DRAINAGE	0.418	0.941	722

NET CHANGE IN RUNOFF	
DESCRIPTION	
OFF-SITE DRAINAGE	-4.994

RETENTION POND DATA
25 YR STORM EVENT

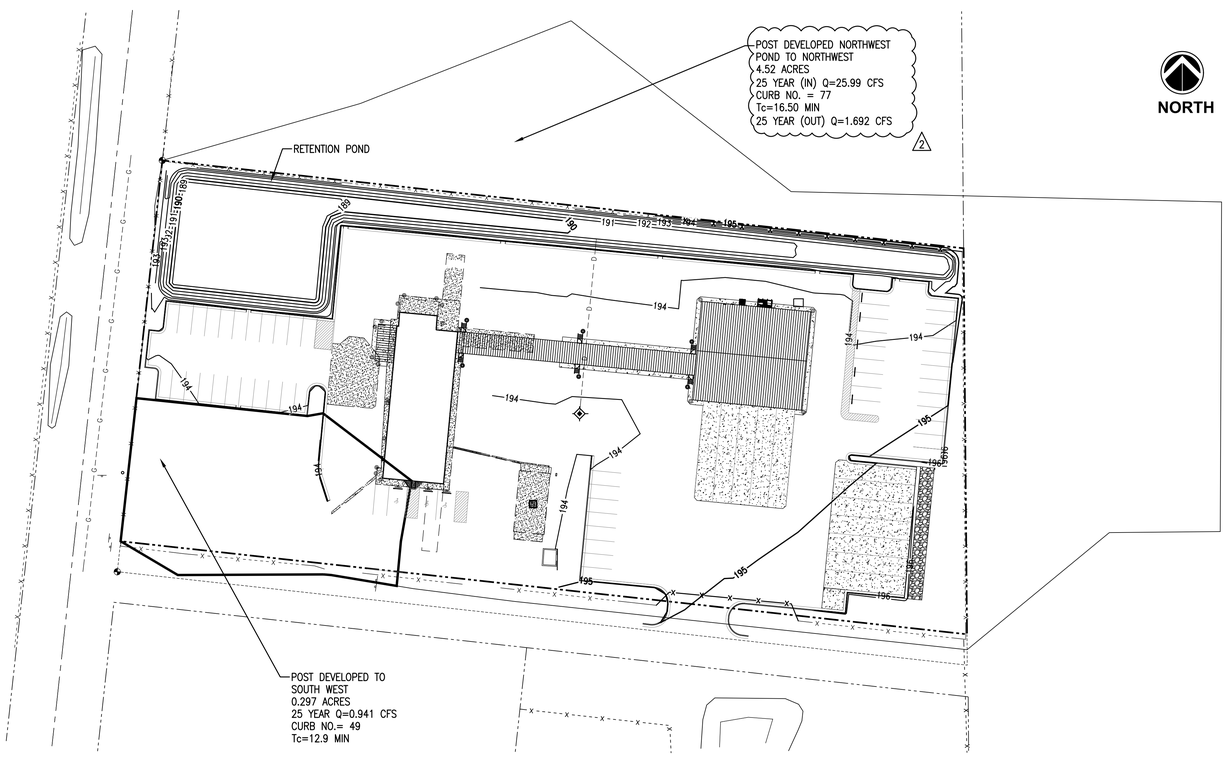
Stage (ft)	Elev. (ft)	Storage (cuft)	Discharge (cfs)
0.00	189.00	0	0.00
0.50	189.50	3,471	0.00
1.50	190.50	11,965	0.00
2.50	191.50	23,339	0.00
3.50	192.50	37,725	0.00
4.50	193.50	54,430	20.22

DETENTION POND DATA
25 YEAR POST-DEVELOPED FLOW TO DETENTION = 25.99 CFS
TOTAL DRAINAGE AREA TO POND = 4.938 AC

INVERT OF WEIR = 193.00
2'-0" (LENGTH) x 22'-0" (WIDTH)
SLOPE = 0.1%

ELEVATION OF TOP OF POND = 193'-8"

25 YEAR DISCHARGE FROM POND = 1.692 CFS
MAX 25 YEAR WATER SURFACE ELEVATION = 193.09 FT
MAX 100 YEAR WATER SURFACE ELEVATION = 193.46 FT



1C POST-DEVELOPED DRAINAGE MAP
1" = 40'

REVISIONS:

1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
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Facility Design • Civil Engineering • Surveying •
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126 Main Street
Biloxi, MS 39530
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
KORY J. COULON LICENSE No 88829 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/29/2021

SHEET NUMBER:
C4.1

DESCRIPTION:
DETENTION

UTILITIES GENERAL

1. CONTRACTORS SHALL MAKE EVERY EFFORT TO PROTECT EACH PRIVATE UTILITY ENCOUNTERED AND COORDINATE ADJUSTMENTS AND/OR UTILITY RELOCATIONS WITH UTILITY OWNERS. ANY DAMAGES DONE TO UTILITIES SHALL BE REPLACED/REPAIRED AT THE CONTRACTOR'S EXPENSE:
   CITY OF LAKE CITY (UTILITIES) 1-386-719-5812
   FLORIDA 811 (ONE CALL) 1-800-432-4770
2. DRAINAGE CULVERTS, WATER, AND SEWER MAINS AND SERVICES ARE TO BE TIED INTO EXISTING LINES SO THAT IT WILL NOT CAUSE ANY DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT DO OCCUR AT HIS SOLE EXPENSE.
3. ADJUSTMENTS TO GAS, TELEPHONE, CABLE, POWER APPURTENANCES AND OTHER UTILITIES SHALL BE MADE BY OTHERS, BUT SHALL BE COORDINATED BY THE CONTRACTOR.
4. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER, AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THE INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE THE EXACT LOCATION OF ALL EXISTING UTILITIES DETERMINED BEFORE COMMENCING ANY WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FIELD LOCATING ALL EXISTING WATER AND SEWER SERVICES. THE CONTRACTOR SHALL BE AWARE THAT THE LOCATIONS OF THE EXISTING/PROPOSED WATER AND SEWER SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY.
5. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXIST NATURAL GAS, WATER, AND SEWER LINES WHERE CROSSING PROPOSED UTILITIES' CONSTRUCTION. CONTRACTOR SHALL PROVIDE ELEVATIONS OF EXIST UTILITIES TO THE ENGINEER TO VERIFY ADEQUATE CLEARANCE.
6. CONTRACTOR SHALL SUPPLY AND INSTALL ALL ITEMS AND PERFORM ALL WORK NOT COVERED BY UTILITY COMPANIES. VERIFY INSTALLATION PROCEDURE WITH UTILITY COMPANY.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPLACING OR REPAIRING AT HIS OWN EXPENSE ANY DAMAGED SANITARY SEWER LINES AND APPURTENANCES; STORM DRAIN LINES AND APPURTENANCES; WATER MAIN AND APPURTENANCES; DRAINAGE STRUCTURES; OR ANY OTHER EXISTING STRUCTURES OR OBSTRUCTIONS WHICH, IN THE OPINION OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, WAS DAMAGED BY THE CONTRACTOR. THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES THE NECESSARY FITTINGS AND ACCESSORIES NEEDED TO PERFORM AN EMERGENCY REPAIR ON ANY EXISTING SANITARY SEWER LINE, WATER MAIN, STORM DRAIN, FORCE MAIN, SERVICE, ETC. SHOULD THE MAIN(S) OR SERVICE(S) BE DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT.
8. AT ALL LOCATIONS WHERE PIPE AND/OR FITTINGS COME IN CONTACT WITH CONCRETE, THE TWO MATERIALS SHALL BE SEPARATED BY 1/8 INCH SHEET RUBBER.
9. PHOTOMETRIC STUDY UTILIZED ACUITY LITHONIA LIGHTING DSX2 LET P7 T4M MVOLT SITE LIGHTING FOR LE1 AND LE3. WITH FIXTURES MOUNTED AT 25 FEET ABOVE FINISH GRADE AND ACUITY LITHONIA LIGHTING DSXW1 20C 700 40K T3M MVOLT (LE6) EXTERIOR BUILDING WALL MOUNT LIGHTING FOR AN AVERAGE 3.6 FOOT CANDLES. IF ALTERNATE FIXTURES ARE USED AS ALLOWED BY SPECIFICATIONS RERUN PHOTOMETRIC STUDY FOR AN AVERAGE OF 2.0 FOOT CANDLES ACROSS ENTIRE SITE. 5

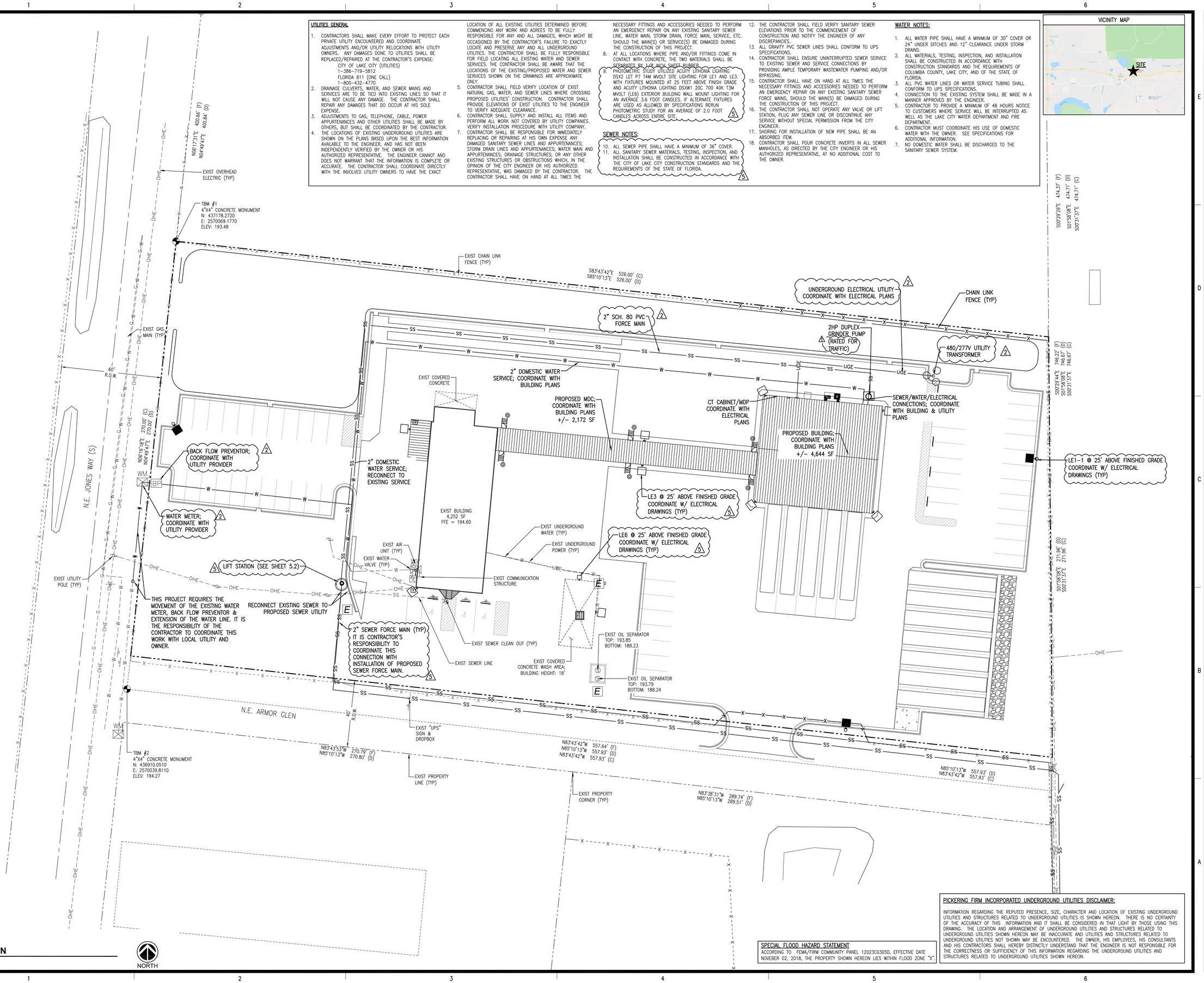
SEWER NOTES:

10. ALL SEWER PIPE SHALL HAVE A MINIMUM OF 36" COVER.
11. ALL SANITARY SEWER MATERIALS, TESTING, INSPECTION, AND INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF LAKE CITY CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF THE STATE OF FLORIDA. 5
12. THE CONTRACTOR SHALL FIELD VERIFY SANITARY SEWER ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
13. ALL GRAVITY PVC SEWER LINES SHALL CONFORM TO UPS SPECIFICATIONS.
14. CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE TO EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
15. CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES THE NECESSARY FITTINGS AND ACCESSORIES NEEDED TO PERFORM AN EMERGENCY REPAIR ON ANY EXISTING SANITARY SEWER FORCE MAINS, SHOULD THE MAIN(S) BE DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT.
16. THE CONTRACTOR SHALL NOT OPERATE ANY VALVE OR LIFT STATION, PLUG ANY SEWER LINE OR DISCONTINUE ANY SERVICE WITHOUT SPECIAL PERMISSION FROM THE CITY ENGINEER.
17. SHORING FOR INSTALLATION OF NEW PIPE SHALL BE AN ABSORBED ITEM.
18. CONTRACTOR SHALL POUR CONCRETE INVERTS IN ALL SEWER MANHOLES, AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, AT NO ADDITIONAL COST TO THE OWNER.

WATER NOTES:

1. ALL WATER PIPE SHALL HAVE A MINIMUM OF 30" COVER OR 24" UNDER DITCHES AND 12" CLEARANCE UNDER STORM DRAINS.
2. ALL MATERIALS, TESTING, INSPECTION, AND INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF COLUMBIA COUNTY, LAKE CITY, AND OF THE STATE OF FLORIDA.
3. ALL PVC WATER LINES OR WATER SERVICE TUBING SHALL CONFORM TO UPS SPECIFICATIONS.
4. CONNECTION TO THE EXISTING SYSTEM SHALL BE MADE IN A MANNER APPROVED BY THE ENGINEER.
5. CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOURS NOTICE TO CUSTOMERS WHERE SERVICE WILL BE INTERRUPTED AS WELL AS THE LAKE CITY WATER DEPARTMENT AND FIRE DEPARTMENT.
6. CONTRACTOR MUST COORDINATE HIS USE OF DOMESTIC WATER WITH THE OWNER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. NO DOMESTIC WATER SHALL BE DISCHARGED TO THE SANITARY SEWER SYSTEM.

VICINITY MAP



1A UTILITY PLAN
1" = 20'

SPECIAL FLOOD HAZARD STATEMENT
ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:
INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE ENGINEER IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON.

REVISIONS:

1	10/19/21	ADD. #1
2	10/28/21	ADD. #2
5	12/29/21	ADD. #5

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Land / Water Resources
126 Main Street
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER: C5

DESCRIPTION: UTILITY PLAN

UTILITIES GENERAL

1. CONTRACTORS SHALL MAKE EVERY EFFORT TO PROTECT EACH PRIVATE UTILITY ENCOUNTERED AND COORDINATE ADJUSTMENTS AND/OR UTILITY RELOCATIONS WITH UTILITY OWNERS. ANY DAMAGES DONE TO UTILITIES SHALL BE REPLACED/REPAIRED AT THE CONTRACTOR'S EXPENSE:
   CITY OF LAKE CITY (UTILITIES)
   1-386-719-5812
   FLORIDA 811 (ONE CALL)
   1-800-432-4770
2. CALL BEFORE YOU DIG (800) 432-4770 AT LEAST 48 BUSINESS HOURS IN ADVANCE OF DIGGING FOR LINE LOCATOR SERVICE TO HELP SPOT UTILITY LINES BEFORE EXCAVATION.
3. DRAINAGE CULVERTS, WATER, AND SEWER MAINS AND SERVICES ARE TO BE TIED INTO EXISTING LINES SO THAT IT WILL NOT CAUSE ANY DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGES THAT DO OCCUR AT HIS SOLE EXPENSE.
4. ADJUSTMENTS TO GAS, TELEPHONE, CABLE, POWER APPURTENANCES AND OTHER UTILITIES SHALL BE MADE BY OTHERS, BUT SHALL BE COORDINATED BY THE CONTRACTOR.
5. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER, AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THE INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE THE EXACT LOCATION OF ALL EXISTING UTILITIES DETERMINED BEFORE COMMENCING ANY WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FIELD LOCATING ALL EXISTING WATER AND SEWER SERVICES. THE CONTRACTOR SHALL BE AWARE THAT THE LOCATIONS OF THE EXISTING/PROPOSED WATER AND SEWER SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY.
6. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXIST NATURAL GAS, WATER, AND SEWER LINES WHERE CROSSING PROPOSED UTILITIES' CONSTRUCTION. CONTRACTOR SHALL PROVIDE ELEVATIONS OF EXIST UTILITIES TO THE ENGINEER TO VERIFY ADEQUATE CLEARANCE.
7. CONTRACTOR SHALL SUPPLY AND INSTALL ALL ITEMS AND PERFORM ALL WORK NOT COVERED BY UTILITY COMPANIES. VERIFY INSTALLATION PROCEDURE WITH UTILITY COMPANY.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPLACING OR REPAIRING AT HIS OWN EXPENSE ANY DAMAGED SANITARY SEWER LINES AND APPURTENANCES; STORM DRAIN LINES AND APPURTENANCES; WATER MAIN AND APPURTENANCES; DRAINAGE STRUCTURES; OR ANY OTHER EXISTING STRUCTURES OR OBSTRUCTIONS WHICH, IN THE OPINION OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, WAS DAMAGED BY THE CONTRACTOR. THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES THE NECESSARY FITTINGS AND ACCESSORIES NEEDED TO PERFORM AN EMERGENCY REPAIR ON ANY EXISTING SANITARY SEWER LINE, WATER MAIN, STORM DRAIN, FORCE MAIN, SERVICE, ETC. SHOULD THE MAIN(S) OR SERVICE(S) BE DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT.
9. AT ALL LOCATIONS WHERE PIPE AND/OR FITTINGS COME IN CONTACT WITH CONCRETE, THE TWO MATERIALS SHALL BE SEPARATED BY 1/8 INCH SHEET RUBBER.

SEWER NOTES:

1. THE HORIZONTAL LOCATION OF THE FORCE SEWER MAIN MAY BE ADJUSTED TO ASSURE REQUIRED CLEARANCES FROM OTHER UTILITIES PER LOCAL AND STATE STANDARDS.
2. CONSTRUCTION OF SFM SHALL ALL BE CONSTRUCTED PER LOCAL STANDARDS & SPECIFICATIONS, WITHIN MUNICIPAL SERVITUDE, RIGHT-OF-WAY, AND/OR EASEMENT.
3. HORIZONTAL DIRECTIONAL DRILL OR DIRECTIONAL BORING WILL BE REQUIRED BENEATH PRICE CREEK RD., HWY. 90 (E. DUVAL ST.) PER STATE STANDARDS.
4. 15' WIDE UTILITY EASEMENT IS REQUIRED FROM MAYO AG SUPPLY BEFORE THE CONSTRUCTION OF THE FORCE SEWER MAIN.
5. ALL SEWER PIPE SHALL: BE CONSTRUCTED WITHIN RIGHT-OF-WAY OR EASEMENTS AND HAVE A MINIMUM OF 36" COVER.
6. ALL SANITARY SEWER MATERIALS, TESTING, INSPECTION, AND INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF LAKE CITY CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF THE STATE OF FLORIDA.
7. THE CONTRACTOR SHALL FIELD VERIFY SANITARY SEWER ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. ALL GRAVITY PVC SEWER LINES SHALL CONFORM TO UPS SPECIFICATIONS.
9. CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE TO EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
10. CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES THE NECESSARY FITTINGS AND ACCESSORIES NEEDED TO PERFORM AN EMERGENCY REPAIR ON ANY EXISTING SANITARY SEWER FORCE MAINS, SHOULD THE MAIN(S) BE DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT.
11. THE CONTRACTOR SHALL NOT OPERATE ANY VALVE OR LIFT STATION, PLUG ANY SEWER LINE OR DISCONTINUE ANY SERVICE WITHOUT SPECIAL PERMISSION FROM THE CITY ENGINEER.
12. SHORING FOR INSTALLATION OF NEW PIPE SHALL BE AN ABSORBED ITEM.
13. CONTRACTOR SHALL POUR CONCRETE INVERTS IN ALL SEWER MANHOLES, AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, AT NO ADDITIONAL COST TO THE OWNER.

WATER NOTES:

1. ALL WATER PIPE SHALL HAVE A MINIMUM OF 30" COVER OR 24" UNDER DITCHES AND 12" CLEARANCE UNDER STORM DRAINS.
2. ALL MATERIALS, TESTING, INSPECTION, AND INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF COLUMBIA COUNTY, LAKE CITY, AND OF THE STATE OF FLORIDA.
3. ALL PVC WATER LINES OR WATER SERVICE TUBING SHALL CONFORM TO UPS SPECIFICATIONS.
4. CONNECTION TO THE EXISTING SYSTEM SHALL BE MADE IN A MANNER APPROVED BY THE ENGINEER.
5. CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOURS NOTICE TO CUSTOMERS WHERE SERVICE WILL BE INTERRUPTED AS WELL AS THE LAKE CITY WATER DEPARTMENT AND FIRE DEPARTMENT.
6. CONTRACTOR MUST COORDINATE HIS USE OF DOMESTIC WATER WITH THE OWNER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. NO DOMESTIC WATER SHALL BE DISCHARGED TO THE SANITARY SEWER SYSTEM.

VICINITY MAP

6" - SEWER FORCE MAIN (SFM)

1" = 20'

NORTH

SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

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REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: December 29, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

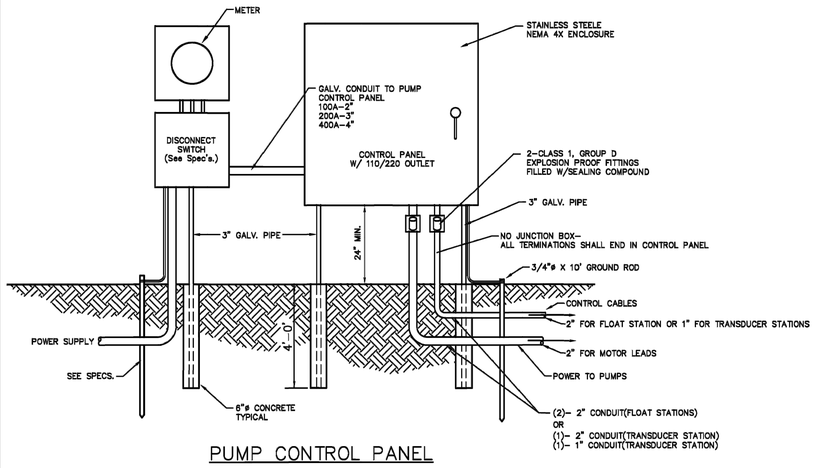
Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
126 Main St.
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

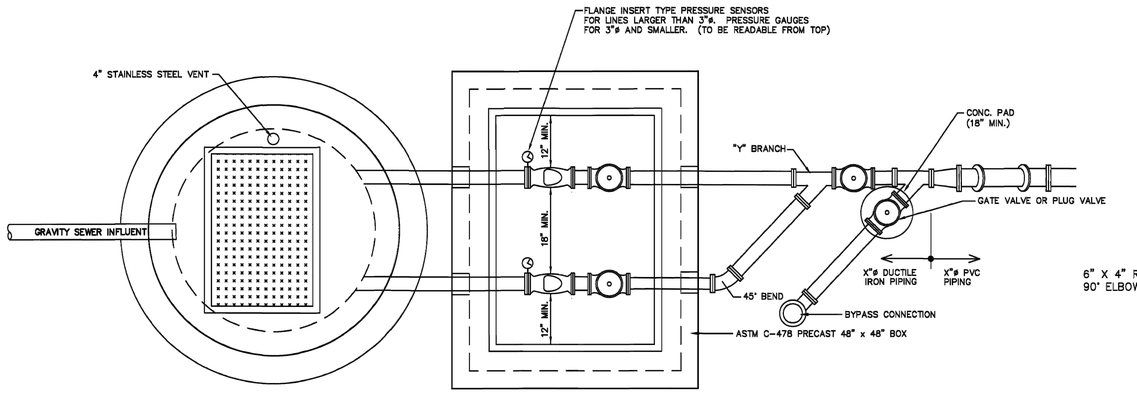
SHEET NUMBER: 5.1

DESCRIPTION: SEWER FORCE MAIN

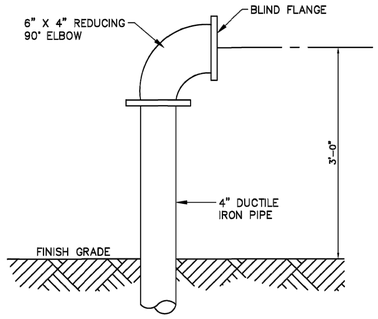


PUMP CONTROL PANEL MOUNTING DETAIL

N.T.S.

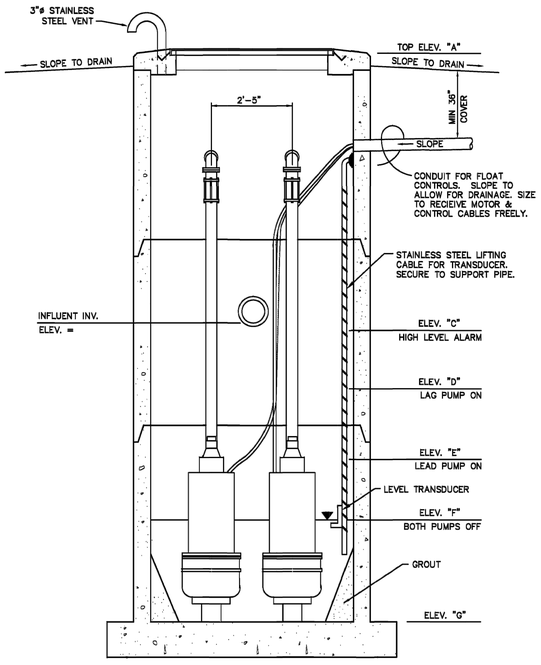


PLAN VIEW



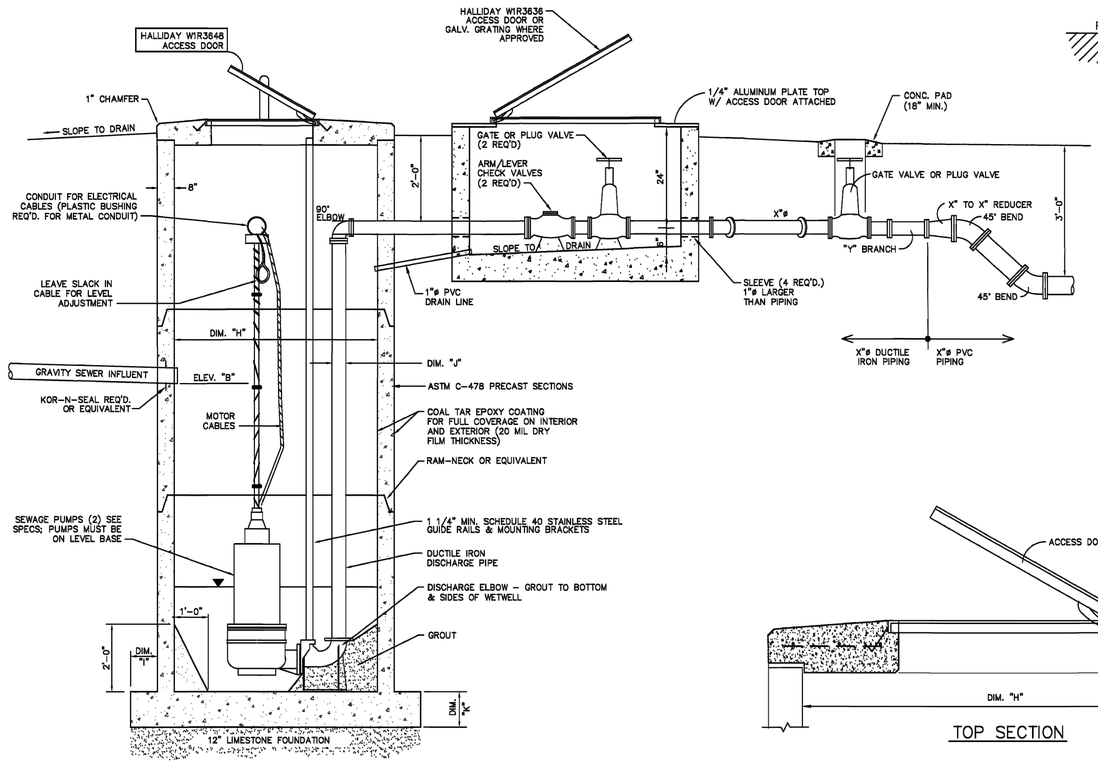
BYPASS DETAIL

N.T.S.



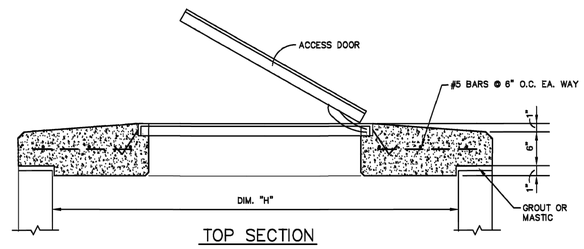
SECTION

SCALE: 1/2" = 1'–0"



SECTION

NOTE: PUMPS SHALL BE CAPABLE OF BEING REMOVED WITHOUT CONFINED SPACE ENTRY WITH THE USE OF GUIDE RAILS.



TOP SECTION

LOCATION	PUMP CAPACITY	PUMP SIZE	MIN. MOTOR SIZE	ELEC. SERVICE	ELEVATIONS							DIMENSIONS							100 YEAR FLOOD EL.
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	30GPM	2"	3/4 HP	230 1PH	194'	190'	185.7'	184.7'	183.7'	182.2'	181.2'	6'	6"	2.5"	8"				---
2	30GPM	2"	3/4 HP	230 1PH	194'	190'	185.7'	184.7'	183.7'	182.2'	181.2'	6'	6"	2.5"	8"				---

NOTES:

1. CONSTRUCTION OF SFM SHALL ALL BE CONSTRUCTED PER LOCAL STANDARDS & SPECIFICATIONS, WITHIN MUNICIPAL SERVITUDES & RIGHT–OF–WAY.
2. DIRECTIONAL BORING WILL BE REQUIRED BENEATH DRIVEWAYS, PRICE CREEK RD., HWY. 90 (E. DUVAL ST.) PER STATE STANDARDS.

SPECIAL FLOOD HAZARD STATEMENT

ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

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1S **Lift Station Detail**
NTS

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: December 29, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
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Transportation • Natural / Water Resources
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Biloxi, MS 39530
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER:

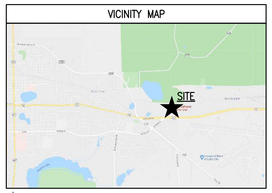
C5.2

DESCRIPTION:
Lift Station

EROSION CONTROL

1. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF ANY TEMPORARY EROSION CONTROL MEASURE(S) NECESSARY TO CONTROL SILTATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROLS DURING THE ENTIRE COURSE OF THIS PROJECT PER ACCEPTABLE/APPROVED STORMWATER BEST MANAGEMENT PRACTICES. THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL QUALITY.
3. ALL FEDERAL, LOCALE, ETC. LAWS SHALL BE COMPLIED WITH BEFORE, DURING, AND AFTER COMPLETION OF THE JOB.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS. NO WORK IS TO BEGIN UNTIL COPIES OF ALL REQUIRED PERMITS ARE ON SITE.
6. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY WORK. IF IT WILL BE REQUIRED TO REMOVE THEM TEMPORARILY DUE TO CONSTRUCTION ACTIVITIES, ONCE THOSE ACTIVITIES ARE COMPLETED OR AT THE END OF THE WORK DAY, THE TEMPORARY CONTROLS SHALL BE REINSTALLED IMMEDIATELY.
7. ALL EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS.
8. ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE DEEMED NECESSARY IF THE CONTROLS FOUND IN THIS STORMWATER MANAGEMENT PLAN ARE FOUND TO BE INEFFECTIVE.
9. ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY AND/OR EASEMENTS SHALL BE GRASSED OR OTHERWISE HAVE PERMANENT STABILIZATION ESTABLISHED. ALL DISTURBED GROUND LEFT INACTIVE FOR 14 OR MORE DAYS SHALL BE STABILIZED BY SEEDING OR SODDING.
10. EXISTING VEGETATION SHALL BE MAINTAINED AND PROTECTED WHEREVER POSSIBLE.
11. ALL CONSTRUCTION TRAFFIC SHALL ENTER/EXIT THE SITE THROUGH THE CONSTRUCTION ENTRANCE; A CONSTRUCTION ENTRANCE IS REQUIRED AT ALL ACCESS POINTS ON THE SITE.
12. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL NOT BE REMOVED UNTIL PERMANENT EROSION CONTROLS ARE ESTABLISHED ON ALL DISTURBED AREAS. FINAL APPROVAL ON THE PROJECT WILL NOT BE MADE UNTIL ALL TEMPORARY EROSION CONTROLS ARE REMOVED AND PERMANENT EROSION CONTROLS ARE EFFECTIVELY ESTABLISHED.
13. ALL EQUIPMENT REPAIR AND MAINTENANCE SHALL BE DONE OFFSITE.
14. RECEPTACLES SHALL BE PROVIDED TO PROPERLY DISPOSE OF ALL TRASH AND WASTE. ALL CONSTRUCTION DEBRIS SHALL BE PICKED UP AT THE END OF EACH DAY AND SHALL BE REMOVED COMPLETELY FROM THE SITE AT THE END OF THE PROJECT.
15. SANITARY FACILITIES SHALL BE PROVIDED ON-SITE FOR ALL EMPLOYEES.
16. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM CONTROLS WHEN IT REACHES ONE-HALF (½) THE HEIGHT OF THE CONTROL. THE SEDIMENT SHALL BE PROPERLY DISPOSED OF SO AS NOT TO CAUSE SEDIMENTATION IN ANOTHER LOCATION.
17. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED DAILY AND FOLLOWING ANY RAIN EVENT. NON-FUNCTIONING, INEFFECTIVE OR DAMAGED CONTROLS SHALL BE REPAIRED, REPLACED OR SUPPLEMENTED WITH FUNCTIONAL CONTROLS WITHIN 24 HOURS OF DISCOVERY.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT MIGRATES INTO THE STORM DRAIN SYSTEM.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT OR CONSTRUCTION DEBRIS THAT IS TRACKED ONTO ADJACENT PAVED AREAS. ADJACENT STREETS SHALL BE KEPT CLEAN THROUGHOUT CONSTRUCTION AND SHALL BE CLEANED WITH A STREET-SWEEPER OR SIMILAR TECHNIQUE IMMEDIATELY UPON DISCOVERY OF SEDIMENT. WASHING DOWN OF THE STREET OR ANY PAVED AREAS IS NOT ALLOWED.
20. ANY SEDIMENT THAT HAS MIGRATED OFFSITE WHETHER ONTO PUBLIC OR PRIVATE PROPERTY SHALL BE REMOVED IMMEDIATELY UPON DISCOVERY.
21. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. USE A MINIMUM 60 MIL POLYETHYLENE LINER UNDER ABOVE GROUND STORAGE TANKS. USE 2 FOOT HIGH BERMS AROUND FUEL STORAGE AREAS. CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS. EQUIPMENT STAGING AREA TO BE DESIGNATED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
22. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.

VICINITY MAP



CONTRACTOR SHALL MONITOR DOWNSTREAM PORTIONS OF DRAINAGE DITCHES OR PIPE OUTLETS FOR SEDIMENT AND POLLUTANTS CAUSED BY CONSTRUCTION; IMMEDIATELY IDENTIFY AND ALLEVIATE UPSTREAM SOURCES OF POLLUTANTS (TYP)

CONTRACTOR SHALL SWEEP ALL STREETS WITHIN THE PROJECT AREA DAILY TO CLEAN ANY CONSTRUCTION DEBRIS ACCUMULATED (INCLUDING SEDIMENT, TRASH, ETC.) WASHING OF STREETS IS PROHIBITED (TYP)

N.E. JONES WAY (S)

N01°17'31"E 400.68' (F)
N04°49'47"E 400.84' (D)

TBM #1
4"X4" CONCRETE MONUMENT
N: 437178.2720
E: 2570069.1770
ELEV: 193.48

POND DISCHARGE; SEE DETAIL 5A ON SHEET C8

RETENTION POND TO BE USED AS SEDIMENT POND DURING CONSTRUCTION

60' R.O.W.

3' CONCRETE FLUME (TYP)

N83°43'53"W 270.79' (F)
N85°10'13"W 270.80' (D)

2LB RIPRAP (STONE SIZE TO VARY FROM 0.25' TO 0.5' DIAMETER) OVER GEOTEXTILE FABRIC (TYP)

SILT FENCE (TYP)

GRASSING (TYP)

S83°43'42"E 526.00' (C)
S85°10'13"E 526.00' (D)

CURB OPENING PROTECTION (TYP)

PROPOSED MDC: COORDINATE WITH BUILDING PLANS +/-2,172 SF FFE = 194.60

PROPOSED MDC; COORDINATE WITH BUILDING PLANS +/- 288 SF

EXIST BUILDING 4,252 SF FFE = 194.60

AREA INLET TOP ON INLET: 193.80

INLET PROTECTION (TYP)

PROPOSED BUILDING; COORDINATE WITH BUILDING PLANS +/-4,644 SF FFE = 194.60

EXIST CATCH BASIN (TO REMAIN) TOP: 193.75 BOTTOM: 188.65

25'X75' STONE CONSTRUCTION ENTRANCE; ENTRANCE TO REMAIN ONSITE UNTIL SITE IS SUFFICIENTLY STABILIZED TO ENSURE CONSTRUCTION TRAFFIC EXITING THE SITE NO LONGER DEPOSITS SEDIMENT ONTO THE ROADWAY

LIMITS OF DISTURBED AREA (APPROX 3.73 ACRES); SEED, MULCH, AND FERTILIZE DISTURBED AREAS WHERE SOIL REMAINS EXPOSED FOR MORE THAN 14 DAYS (TYP)

S00°29'29"E 474.37' (F)
S01°58'08"E 474.71' (D)
S00°31'37"E 474.71' (C)

S00°29'44"E 746.22' (F)
S01°58'08"E 746.67' (D)
S00°31'37"E 746.67' (C)

CURB03, CONCRETE CURB & GUTTER (TYP)

S01°58'08"E 271.96' (D)
S00°31'37"E 271.96' (C)

CURB01, FEEDER CURB (TYP)

EXIST FENCE

N.E. ARMOR GLEN

N83°43'42"W 557.64' (F)
N85°10'13"W 557.93' (D)
N83°43'42"W 557.93' (C)

N85°10'13"W 557.93' (D)
N83°43'42"W 557.93' (C)

N83°38'31"W 289.74' (F)
N85°10'13"W 289.51' (D)

EXIST PROPERTY LINE (TYP)

EXIST PROPERTY CORNER (TYP)

TBM #2
4"X4" CONCRETE MONUMENT
N: 436910.0510
E: 2570039.8110
ELEV: 194.27

SEQUENCE OF EROSION CONTROL ACTIVITIES FOR CONSTRUCTION PROJECTS

1. INSTALL SILT FENCE ALONG SIDE SLOPE BOUNDARIES OF THE PROPERTY.
2. PROTECT STORM DRAIN INLETS DOWNSTREAM OF CONSTRUCTION WITH HAY BARRIER AND/OR OTHER PROTECTIVE MEASURES.
4. APPLY STONE TO DRIVEWAY TO STABILIZE ENTRANCE TO PROPERTY.
5. CLEARING AND GRUBBING AS REQUIRED.
6. INSTALL SILT FENCE AROUND STOCKPILES.
7. CONSTRUCT PROJECT.
8. TEMPORARILY OR PERMANENTLY STABILIZE STRIPPED AREAS AND STOCKPILES WITHIN 14 DAYS OF LAST CONSTRUCTION ACTIVITY IN THAT AREA.
9. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTINGS.
10. COMPLETE FINAL PAVING FOR ROADS.
11. WHEN ALL CONSTRUCTION IS COMPLETE, REMOVE SILT FENCE AND RESEED ANY BARE SPOTS OR WASHOUTS.

SPECIAL FLOOD HAZARD STATEMENT
ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE ENGINEER IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON.

1A **EROSION CONTROL PLAN**
1" = 20'

NORTH

REVISIONS:

1	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
126 Rue Magnolia
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER:
C6

DESCRIPTION:
EROSION CONTROL PLAN

LANDSCAPE LEGEND					
SYMBOL	COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE AT PLANTING	SIZE AT MATURITY
	DRAKE ELM	ULMUS PARVIFOLIA	6	4" HEIGHT	30' TO 50'
	CRAPE MYRTLE	LAGERSTOEMIA INDICA	7	4" HEIGHT	10' TO 40'
	SPRINTER BOXWOOD	BUXUS MICROPHYLLA	28	1.67" HEIGHT	2' TO 4'
	GRASSING		4,320 SY		GROUND COVER
	MULCH		605 SY	6" HEIGHT	ISLAND COVER

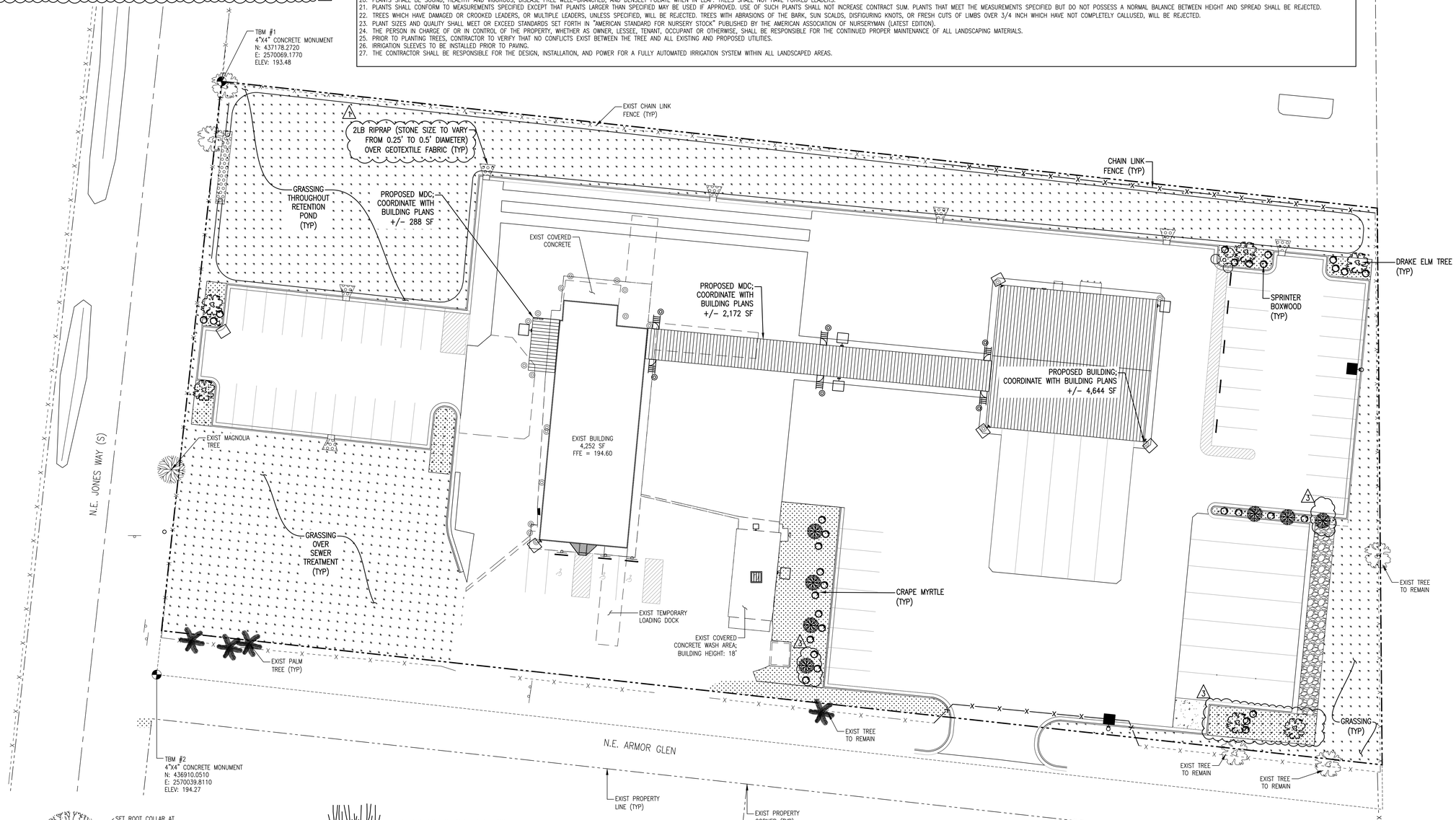
LANDSCAPE REQUIREMENTS:

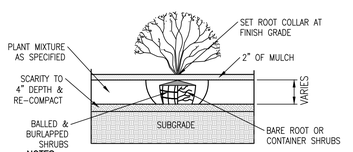
AREA REQUIRED = 10% OF PARKING AREA = 4,515 SQ FT
AREA PROVIDED = 5,346 SQ FT
TREES REQUIRED = 1/200 SQ FT OF REQUIRED LANDSCAPE AREA = 23
TREES PROVIDED = 10 EXISTING + 13 PROPOSED = 23 EA

LANDSCAPE NOTES:

1. SEED, SOLID SOD, OR HYDROMULCH ALL AREAS DISTURBED AND OUTSIDE LIMITS OF PAVING AS SHOWN.
2. SOIL USED IN BACKFILLING PLANTING PITS SHALL BE TOPSOIL AND MIXED WITH 25% PEAT BY VOLUME. ALTERNATIVE RECOMMENDATIONS WILL BE CONSIDERED IF SUPPLEMENTED BY A SOIL TEST. SOIL HAVING A PH LESS THAN 6 SHALL BE THOROUGHLY MIXED WITH SUFFICIENT LIME TO PRODUCE A SLIGHTLY ACIDIC REACTION (A PH OF 6 TO 6.5). 15-15-15 COMMERCIAL FERTILIZER AT THE RATE OF 2 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER. 4" MINIMUM THICKNESS OF TOPSOIL IS REQUIRED.
3. THE LANDSCAPE CONTRACTOR SHALL INSPECT ALL BACKFILL AND PLACEMENT OF TOPSOIL TO DETERMINE WHETHER OR NOT A "HARDPAN" SITUATION EXISTS DUE TO PREVIOUS SOIL CONDITIONS, PLACEMENT AND COMPACTION OF FILL DURING CONSTRUCTION, OR ANY OTHER CONTRIBUTING FACTOR PRIOR TO INSTALLATION OF PLANT MATERIALS. IF SUCH A SITUATION IS ANTICIPATED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT IMMEDIATELY, PRIOR TO THE INSTALLATION OF PLANT MATERIAL FOR A REMEDY.
4. HERBICIDE PRE-EMERGENT (TREFLAN OR EQUIVALENT) TO BE APPLIED TO ALL PLANT BEDS PRIOR TO PLANTING FOR NOXIOUS WEED CONTROL.
5. ALL PLANTING BEDS TO HAVE A MINIMUM 3" DEEP SHREDDED HARDWOOD BARK MULCH. BARK CHIPS ARE NOT ACCEPTABLE.
6. ALL TREES TO BE STAKED AS PER PLANTING DETAIL, AND SHALL REMAIN IN PLACE THROUGHOUT THE WARRANTY PERIOD OF ONE YEAR.
7. DIMENSIONS FOR HEIGHTS, SPREAD, AND CALIPER OF TRUNK SPECIFIED ON THE DRAWING IS A GENERAL GUIDE FOR THE MINIMUM DESIRED SIZE OF EACH PLANT. EACH PLANT SHALL HAVE A UNIFORM AND CONSISTENT SHAPE AS IT PERTAINS TO THE PARTICULAR SPECIES. ANY PLANT MATERIAL WHICH FAILS TO CONFORM IS SUBJECT TO REJECTION BY THE CONSULTANT.
8. THE QUANTITIES INDICATED ON THE MATERIAL SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS, FILLING PLANTED AREAS AT THE REQUIRED SPACING AND THE LIABILITY PERTAINING TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND/OR PRICE QUOTATIONS.
9. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO A HEIGHT MEASURED 5' ABOVE FINISH GRADE. ALL DEAD TREES AND/OR LIMBS TO BE REMOVED.
10. LANDSCAPE CONTRACTOR TO VERIFY LOCATION AND PROTECT ALL ABOVE AND BELOW GROUND UTILITIES. REPLACE DAMAGED UTILITIES AT NO EXPENSE TO THE OWNER. PROTECT AREAS FROM SILTATION AS NEEDED.
11. NURSERY: COMPANY SPECIALIZING IN GROWING AND CULTIVATING THE PLANTS SPECIFIED IN THIS SECTION WITH MINIMUM TEN (10) YEARS' DOCUMENTED EXPERIENCE, INSPECTED AND APPROVED BY STATE PLANT INSPECTION AGENCIES. CONSIDER ALL NURSERIES WITHIN THE SOUTHEASTERN PORTION OF THE U.S. FOR FOR PLANT MATERIAL NEEDS FOR THE PROJECT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL PLANT MATERIAL SHOWN ON THE DRAWINGS AND PLANT LISTS. PRIOR TO BIDDING, THE CONTRACTOR SHALL HAVE INVESTIGATED THE SOURCES OF SUPPLY AND SATISFIED HIMSELF THAT HE CAN SUPPLY ALL THE PLANTS SPECIFIED ON THE DRAWINGS IN THE QUANTITY, SIZE, VARIETY, AND QUALITY NOTED. FAILURE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENT TO FURNISH AND INSTALL ALL PLANT MATERIAL, IN STRICT ACCORDANCE WITH CONTRACT REQUIREMENTS AND WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
13. LIMITATIONS: DO NOT PROCEED WITH PLANT MATERIAL INSTALLATION UNTIL SITE UTILITY CONSTRUCTION AND FINISH GRADING IS COMPLETE. COORDINATE SCHEDULING OF PLANT MATERIAL INSTALLATION WITH OTHER CONTRACTORS INVOLVED IN THE AFOREMENTIONED CONSTRUCTION.
14. PROVIDE HOSE AND PLANT MATERIAL WATERING EQUIPMENT AS REQUIRED.
15. HANDLE PLANTS FROM BOTTOM OF BALL. PROTECT PLANT ROOTS AND TOPS FROM SUN OR DRYING WINDS UNTIL FINAL PLANTING. PLANTS WITH CRACKED, BROKEN OR LOOSELY WRAPPED BALLS SHALL BE REJECTED.
16. DURING THE PROGRESS OF ALL OPERATIONS, PROTECT CURB AND OTHER STRUCTURES WITH WOOD STRIPS OR PADDING, OR OTHER APPROVED MEANS AS REQUIRED.
17. LANDSCAPE AND SOD INSTALLER AND SUPERVISOR QUALIFICATIONS: COMPANY SPECIALIZING IN LANDSCAPE DEVELOPMENT CONSTRUCTION, PARTICULARLY SOIL PREPARATION, LAWNS, AND LIVE PLANT MATERIALS; WITH AT LEAST FIVE (5) YEARS EXPERIENCE IN SUCH WORK.
18. REPLACEMENT PLANT MATERIALS SHALL CARRY A ONE (1) YEAR WARRANTY PERIOD.
19. ANY PLANTS THAT ARE 25 PERCENT OR MORE DEAD SHALL BE CONSIDERED DEAD. ONE YEAR WARRANTY SHALL COMMENCE AT FINAL ACCEPTANCE. WARRANTY SHALL EXTEND INTO NEXT GROWING PERIOD WHEN DORMANT PLANTS ARE INSTALLED.
20. PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, DISEASE FREE WELL-BRANCHED, AND DENSELY FOLIATE WHEN IN LEAF. TREES SHALL NOT HAVE FORKED LEADERS.
21. PLANTS SHALL CONFORM TO MEASUREMENTS SPECIFIED EXCEPT THAT PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED. USE OF SUCH PLANTS SHALL NOT INCREASE CONTRACT SUM. PLANTS THAT MEET THE MEASUREMENTS SPECIFIED BUT DO NOT POSSESS A NORMAL BALANCE BETWEEN HEIGHT AND SPREAD SHALL BE REJECTED.
22. TREES WHICH HAVE DAMAGED OR CROOKED LEADERS, OR MULTIPLE LEADERS, UNLESS SPECIFIED, WILL BE REJECTED. TREES WITH ABRASIONS OF THE BARK, SUN SCALDS, DISFIGURING KNOTS, OR FRESH CUTS OF LIMBS OVER 3/4 INCH WHICH HAVE NOT COMPLETELY CALLUSED, WILL BE REJECTED.
23. PLANT SIZES AND QUALITY SHALL MEET OR EXCEED STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN (LATEST EDITION).
24. THE PERSON IN CHARGE OF OR IN CONTROL OF THE PROPERTY, WHETHER AS OWNER, LESSEE, TENANT, OCCUPANT OR OTHERWISE, SHALL BE RESPONSIBLE FOR THE CONTINUED PROPER MAINTENANCE OF ALL LANDSCAPING MATERIALS.
25. PRIOR TO PLANTING TREES, CONTRACTOR TO VERIFY THAT NO CONFLICTS EXIST BETWEEN THE TREE AND ALL EXISTING AND PROPOSED UTILITIES.
26. IRRIGATION SLEEVES TO BE INSTALLED PRIOR TO PAVING.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND POWER FOR A FULLY AUTOMATED IRRIGATION SYSTEM WITHIN ALL LANDSCAPED AREAS.

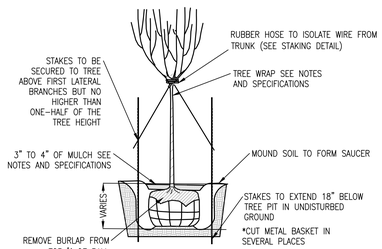
VICINITY MAP





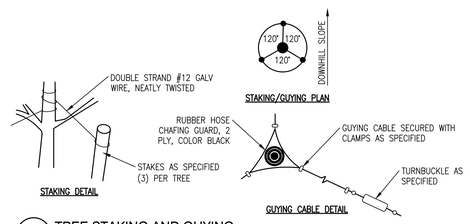
NOTES:
1. DO NOT PRUNE EVERGREENS EXCEPT TO REMOVE DEAD AND BROKEN BRANCHES.
2. THIN BRANCHES AND FOLIAGE (NOT ALL BRANCH TIPS) RETAINING NORMAL PLANT SHAPE (EXCEPT EVERGREEN).
3. REMOVE BURLAP FROM TOP 1/3 OF BALL OR WITH CONTAINER PLANTS. REMOVE POTS AND SPLIT BALLS AS SPECIFIED.

1 TYPICAL SHRUB PLANTING
N.T.S.



NOTES:
1. PRUNE TO THIN AND SHAPE TREE CANOPY (SEE DETAIL).
2. SET STAKES VERTICAL AND AT SAME HEIGHT. USE TWO STAKES PER TREE.

2 TYPICAL TREE PLANTING
N.T.S.



3 TREE STAKING AND GUYING
N.T.S.

1A LANDSCAPE PLAN
1" = 20'

NORTH

SPECIAL FLOOD HAZARD STATEMENT
ACCORDING TO FEMA/FIRM COMMUNITY PANEL 12023C0305D, EFFECTIVE DATE NOVEMBER 02, 2018, THE PROPERTY SHOWN HEREON LIES WITHIN FLOOD ZONE "X".

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REVISIONS:

1	10/28/21	ADD. #2
2	11/16/21	ADD. #3

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
126 Nichols Drive
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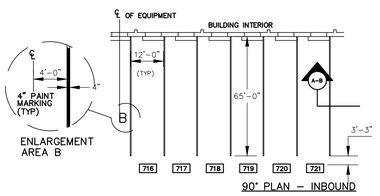
228.432.5925

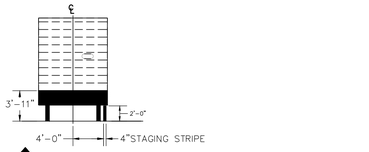
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SHEET NUMBER: C7

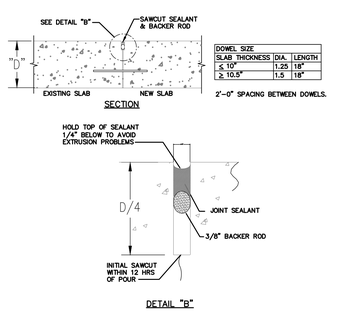
DESCRIPTION: LANDSCAPE PLAN



90° PLAN – INBOUND



1D PAVE01 - YARD STAGING MARKING PLAN
N.T.S.

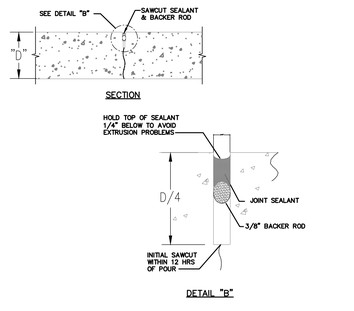


DOWEL SIZE			
SLAB THICKNESS	DIA.	LENGTH
≤ 10"	1.25	18"
≥ 10.5"	1.5	18"

2'-0" SPACING BETWEEN DOWELS.

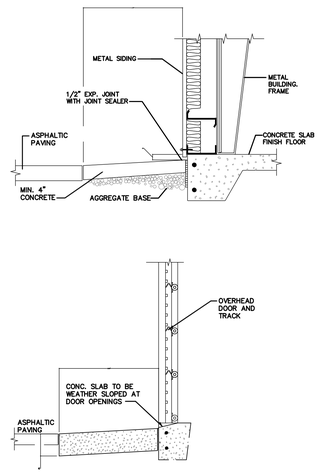
NOTES:
1. SPACE CONTROL JOINTS 15'-0" O.C. MAX. EACH WAY.
2. DETAIL "B" SHOWS AN ALTERNATIVE JOINT DESIGN UTILIZING THE INITIAL SAWCUT FOR PLACING BACKER ROD AND SEALANT. RESERVOIR WALLS MUST BE FREE OF ANY DIRT, DUST OR CHEMICALS THAT CAN ADVERSELY EFFECT THE ABILITY OF THE SEALANT TO BOND TO THE RESERVOIR WALLS.

2D PAVE05 - CONCRETE PAVEMENT CONSTRUCTION JOINT
N.T.S.



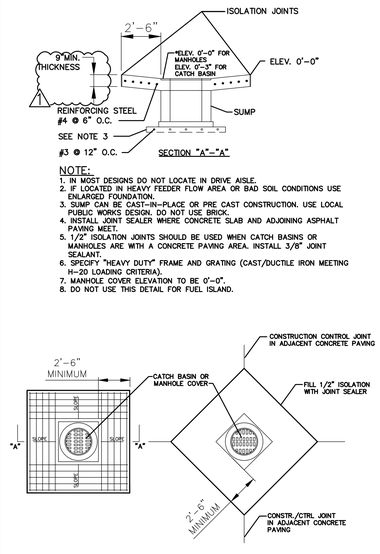
NOTES:
1. SPACE CONTROL JOINTS 15'-0" O.C. MAX. EACH WAY.
2. DETAIL "B" SHOWS AN ALTERNATIVE JOINT DESIGN UTILIZING THE INITIAL SAWCUT FOR PLACING BACKER ROD AND SEALANT. RESERVOIR WALLS MUST BE FREE OF ANY DIRT, DUST OR CHEMICALS THAT CAN ADVERSELY EFFECT THE ABILITY OF THE SEALANT TO BOND TO THE RESERVOIR WALLS.

3D PAVE06A - CONCRETE PAVEMENT CONTROL JOINT DETAIL
N.T.S.



NOTES:
1. REQUIRED AROUND AUTOMATIVE BUMP OUT AND SORT BUILDING ADDITION.

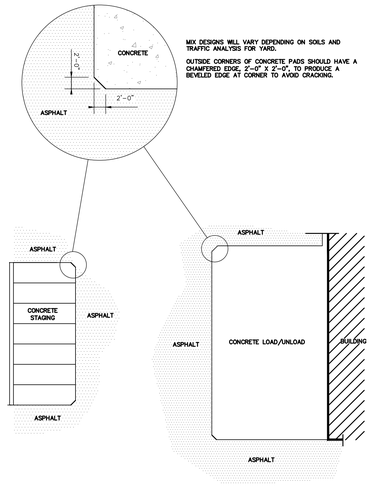
4D PAVE08 - EXTERIOR PAVEMENT @ METAL BUILDING
N.T.S.



NOTE:
1. IN MOST DESIGNS DO NOT LOCATE IN DRIVE AISLE.
2. IF LOCATED IN HEAVY FEEDER FLOW AREA OR BAD SOIL CONDITIONS USE ENLARGED FOUNDATION.
3. SUMP CAN BE CAST-IN-PLACE OR PRE CAST CONSTRUCTION. USE LOCAL PUBLIC WORKS DESIGN, DO NOT USE BRICK.
4. INSTALL JOINT SEALER WHERE CONCRETE SLAB AND ADJOINING ASPHALT PAVING MEET.
5. 1/2" ISOLATION JOINTS SHOULD BE USED WHEN CATCH BASINS OR MANHOLES ARE WITH A CONCRETE PAVING AREA. INSTALL 3/8" JOINT SEALANT.
6. SPECIFY "HEAVY DUTY" FRAME AND GRATING (CAST/DUCTILE IRON MEETING H-20 LOADING CRITERIA).
7. MANHOLE COVER ELEVATION TO BE 0'-0".
8. DO NOT USE THIS DETAIL FOR FUEL ISLAND.

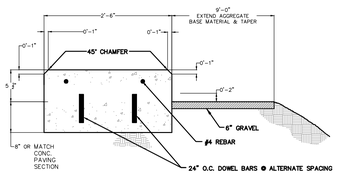
CATCH BASIN 01

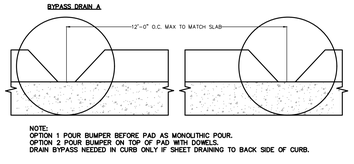
5D CATCHBASIN01 - CATCH BASIN
N.T.S.



6D PAVE11 - BEVELED EDGE CONCRETE PAVING TO ASPHALT
N.T.S.

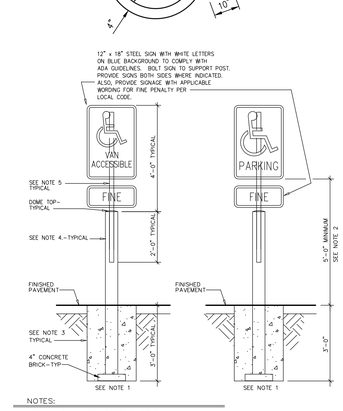
NOTES:
1. 45 DEGREE CHAMFER OR 1" TOLLED RADIUS
2. REMOVE ASPHALT BEHIND SHEEL STOP
3. INSTALL CUT-OUTS AT 12' WHERE PAVEMENT IS SHEET DRAINING





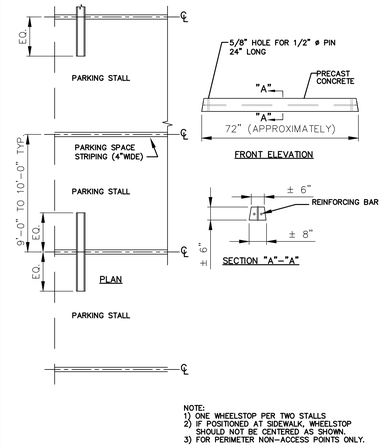
NOTE:
OPTION 1 POUR BUMPER BEFORE PAD AS MONOLITHIC POUR.
OPTION 2 POUR BUMPER ON TOP OF PAD WITH DOWELS.
DRAIN BYPASS NEEDED IN CURB ONLY IF SHEET DRAINING TO BACK SIDE OF CURB.

1B CURB01 - FEEDER CURB AT STAGING PAD
N.T.S.



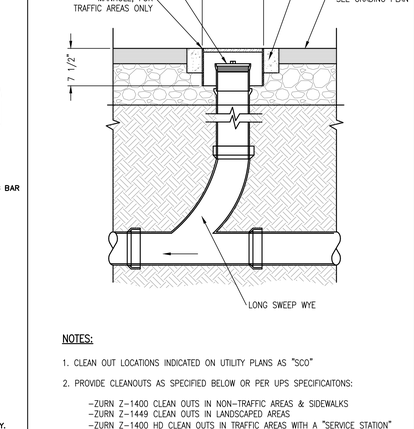
NOTES:
1. INSTALL ALL SIGNS WHERE INDICATED ON SITE PLAN.
2. ADJUST MOUNTING HEIGHTS TO MEET LOCAL CODES WHERE APPLICABLE.
3. SET ALL POSTS IN 10" DIAMETER x 36" DEEP CONCRETE FOUNDATION.
4. 4" x 6'-0" CONCRETE FILLED SCHEDULE 40 STEEL POST CENTERED IN FOUNDATION, PAINTED YELLOW, SEE SPECS.
5. 2 1/4" WIDE x 6'-0" LONG U-CHANNEL POST WITH BAKED ON GREEN ENAMEL FINISH.

2B ADA PARKING SIGNAGE & MARKING
N.T.S.



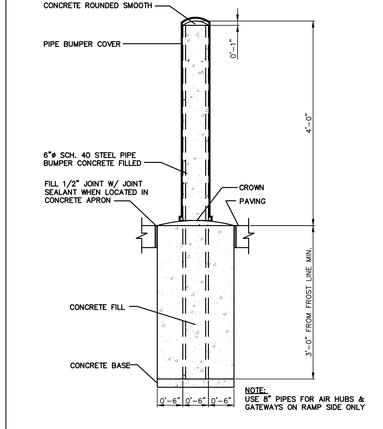
NOTE:
1) ONE WHEELSTOP PER TWO STALLS.
2) IF POSITIONED AT SIDEWALK, WHEELSTOP SHOULD NOT BE CENTERED AS SHOWN.
3) FOR PERIMETER NON-ACCESS POINTS ONLY.

3B WHEELSTOP01 - WHEELSTOP
N.T.S.



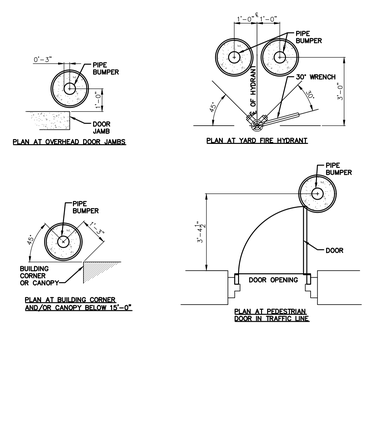
NOTES:
1. CLEAN OUT LOCATIONS INDICATED ON UTILITY PLANS AS "SCO"
2. PROVIDE CLEANOUTS AS SPECIFIED BELOW OR PER UPS SPECIFICAITONS:
   - ZURN Z-1400 CLEAN OUTS IN NON-TRAFFIC AREAS & SIDEWALKS
   - ZURN Z-1449 CLEAN OUTS IN LANDSCAPED AREAS
   - ZURN Z-1400 HD CLEAN OUTS IN TRAFFIC AREAS WITH A "SERVICE STATION" TYPE MANHOLE, OPW #104 A12 – DOVER CORP/OPW DIV

4B SANITARY SEWER CLEANOUT
N.T.S.

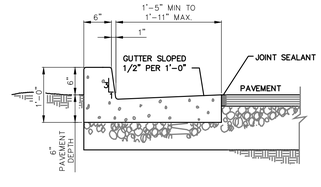


5B BUMPERS01 - PIPE BUMPER
N.T.S.

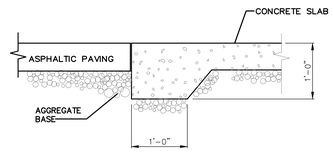
NOTES:
1. CONTRACTOR TO:
   1.1. VERIFY LOCATION OF BOLLARDS PER DETAIL
2. INSTALL AT NEW BUILDING CORNERS, PEDESTRIAN DOORS, NEW GATE ENTRANCE AND LOCATIONS DIRECTED BY OWNER.



6B BUMPERS02 - PIPE BUMPER LOCATION
N.T.S.

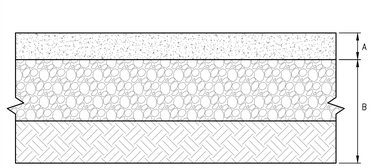


1A CURB03 - CONCRETE CURB AND GUTTER DETAIL
N.T.S.



TO BE USED IN HIGH TRAFFIC AREAS ONLY SUCH AS MAIN DRIVE AISLES, FEEDER ENTRANCES, AND TRANSITIONS TO ASPHALT DRIVE LANES.

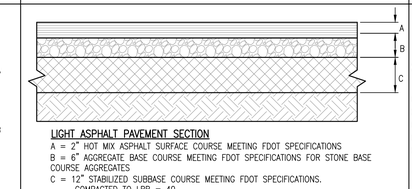
2A PAVE10 - THICKENED EDGE EXTERIOR CONCRETE SLAB
N.T.S.



CONCRETE PAVEMENT SECTION
A = 6" 4,000 PSI PORTLAND CEMENT CONCRETE
B = 12" FREE DRAINING SUBGRADE OVER COMPACTED NATIVE SOILS

PAVEMENT NOTES:
1. SUBGRADE SHALL BE COMPACTED TO LBR = 40

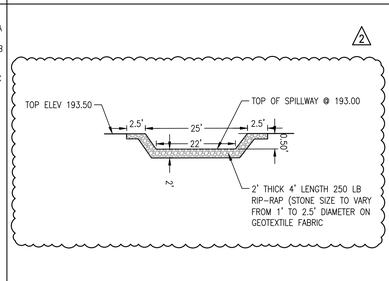
3A CONCRETE PAVEMENT SECTION
N.T.S.



LIGHT ASPHALT PAVEMENT SECTION
A = 2" HOT MIX ASPHALT SURFACE COURSE MEETING FDOT SPECIFICATIONS
B = 6" AGGREGATE BASE COURSE MEETING FDOT SPECIFICATIONS FOR STONE BASE COURSE AGGREGATES
C = 12" STABILIZED SUBBASE COURSE MEETING FDOT SPECIFICATIONS. COMPACTED TO LBR = 40

HEAVY ASPHALT PAVEMENT SECTION
A = 3" HOT MIX ASPHALT SURFACE COURSE MEETING FDOT SPECIFICATIONS
B = 6" AGGREGATE BASE COURSE MEETING FDOT SPECIFICATIONS FOR STONE BASE COURSE AGGREGATES
C = 12" STABILIZED SUBBASE COURSE MEETING FDOT SPECIFICATIONS
SUBGRADE SHALL BE COMPACTED TO LBR = 40

4A ASPHALT PAVEMENT SECTION
N.T.S.



5A POND SPILLWAY
N.T.S.

REVISIONS:		
1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
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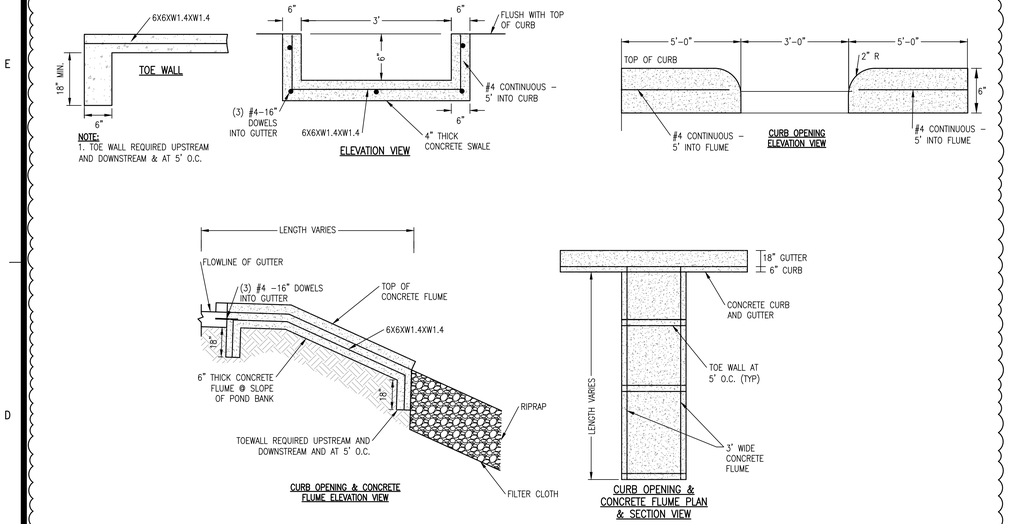
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

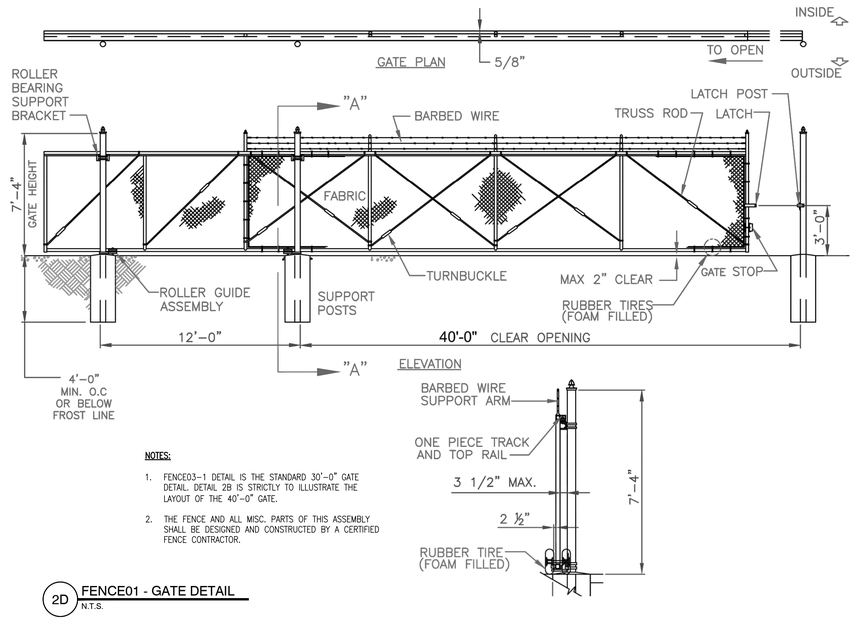
SEAL:
KORY J. COULON LICENSE No 88629 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/29/2021

SHEET NUMBER:
C8

DESCRIPTION:
CONSTRUCTION DETAILS



4E CONCRETE CURB OPENING/FLUME
NTS



NOTES:

1. FENCE03-1 DETAIL IS THE STANDARD 30'-0" GATE DETAIL. DETAIL 2B IS STRICTLY TO ILLUSTRATE THE LAYOUT OF THE 40'-0" GATE.
2. THE FENCE AND ALL MISC. PARTS OF THIS ASSEMBLY SHALL BE DESIGNED AND CONSTRUCTED BY A CERTIFIED FENCE CONTRACTOR.

2D FENCE01 - GATE DETAIL
N.T.S.

PLANNING CONSIDERATIONS- GENERAL CRITERIA REQUIRES THAT ROADS ADJACENT TO A CONSTRUCTION SITE SHALL BE CLEAN AT THE END OF EACH DAY. CONSTRUCTION ENTRANCES PROVIDE AN AREA WHERE MUD CAN BE REMOVED FROM CONSTRUCTION VEHICLE TIRES BEFORE THEY ENTER A PUBLIC ROAD. IF THE ACTION OF VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES.

DESIGN CRITERIA

1. AGGREGATE SIZE- COARSE AGGREGATE (3 INCH OR LARGER STONE) SHOULD BE USED.
2. ENTRANCE DIMENSIONS- THE AGGREGATE LAYER MUST BE AT LEAST 6 INCHES THICK. IT SHOULD HAVE A MINIMUM WIDTH OF 12 FEET. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET.
3. FILTER CLOTH – FILTER CLOTH MUST BE USED BELOW THE COARSE AGGREGATE.
4. WASHING– IF CONDITIONS ON THE SITE ARE SUCH THAT THE MAJORITY OF THE MUD IS NOT REMOVED BY THE VEHICLES TRAVELING OVER THE GRAVEL, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
5. SLOPE – IF SLOPE TOWARDS THE EXITING END OF THE ENTRANCE EXCEEDS 2 PERCENT, A 6 TO 8 INCH HIGH RISE WITH 3:1 SIDE SLOPES MUST BE CONSTRUCTED ACROSS THE ENTIRE WIDTH OF THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE EXITING END OF THE ENTRANCE. THIS BERM MUST BE APPROXIMATELY 15 FEET FROM THE EXIT END.
6. LOCATION– THE ENTRANCE SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.

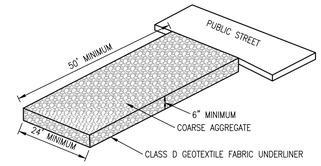
CONSTRUCTION SPECIFICATIONS- THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANEST OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORMDRAINS MUST BE REMOVED IMMEDIATELY.

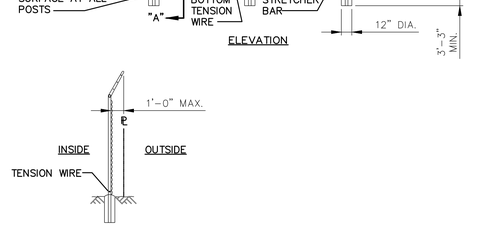
DEFINITION- A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

PURPOSE- TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF.

CONDITIONS WHERE PRACTICE APPLIES- WHEREVER TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVE DIRECTLY ONTO A PUBLIC ROAD OR OTHER PAVED AREA.



6D CONSTRUCTION EGRESS
N.T.S.



NOTES:
FINISH GRADE IS TO BE WITHIN 3 INCHES OF BOTTOM OF FENCE FABRIC

1B FENCE03 - FENCE DETAIL
N.T.S.

NOTE:

1. WHERE BACK FILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT.
2. FOR ALL TRENCHES WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.

CONDITION AND PIPE	**SELECT MATERIAL	LINING MATERIAL	Y-DIMENSION
DUCTILE IRON PIPE IN "ORDINARY SOIL"	TYPE I, II, OR III	SAND OR TYPE III	3"
RCP PIPE IN "ORDINARY SOIL"	TYPE II OR III	SAND OR TYPE III	3"
ALL PIPE OVER BEDROCK OR LEDGE	TYPE II OR III	SAND OR TYPE III	6"
DUCTILE IRON PIPE IN CLAY OR MUCK	TYPE II OR III	SAND	4"
RCP PIPE IN CLAY	TYPE II OR III	SAND	6"
PLASTIC-ALL	TYPE III	SAND OR TYPE III	6"

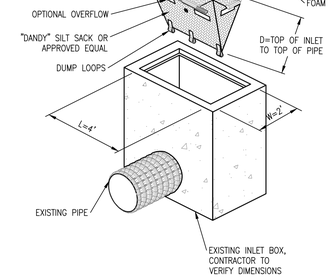
* SUITABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED BEFORE PLACING NEXT LIFT.

** TYPE I MATERIAL SHALL BE EITHER GRAVEL OR EXCAVATED MATERIAL CONTAINING NO STONES GREATER THAN 1 1/2" IN DIAMETER, NO FROZEN LUMPS, NO CLAY, AND NO ORGANIC MATERIAL.

** TYPE II MATERIAL SHALL BE CLEAN, HARD, CRUSHED OR NATURAL STONE WITH A GRADATION BY WEIGHT OF 100% PASSING A 1 1/2" SQUARE OPENING, NOT MORE THAN 25% PASSING A 3/4" SQUARE OPENING AND NOT MORE THAN 5% 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 TO 5% PASSING A 1/4" SQUARE OPENING.

3B TRENCH DETAIL
N.T.S.



NOTES:

1. SILT SACK OR APPROVED EQUAL TO BE USED INSIDE INLETS AND OTHER OPENINGS INTO DRAINAGE SYSTEMS THROUGHOUT CONSTRUCTION.
2. THERE MUST BE NO GAPS OR TEARS IN THE SILT SACK OR APPROVED EQUAL THAT WOULD ALLOW WATER TO BYPASS TREATMENT.
3. THE SACK SHOULD BE INSPECTED AT LEAST TWICE A WEEK @ LEAST 72 HOURS APART. THE SACK SHOULD BE INSPECTED FOR LEAKS AND EMPTIED DURING THESE INSPECTIONS.

5B SILT SACK INLET PROTECTION
N.T.S.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO SILT FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
3. WHEN TWO SECTIONS OR FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY (6) INCHES AND FOLDED.
4. LOCATE POSTS DOWNSLOPE OF FABRIC FOR FENCE SUPPORT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
   POSTS: STEEL EITHER "T" OR "U" TYPE
   POSTS: LOCATED MAXIMUM 8' OC
   FENCE: PER LOCAL REQUIREMENTS OR WOVEN WIRE, 14 GA 6" MAX MESH OPENING
   FILTER CLOTH: FILTER X, MIRAFI 100X, STABI-LINKA T140N OR APPROVED EQUAL.
   PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
6. INDICATED ON EROSION CONTROL PLANS AS ———— SF ————

6B SILT FENCE EROSION PROTECTION
N.T.S.

1A STRAW WATTLES/CULVERT INLET & CURB OPENING PROTECTION
N.T.S.

NOTES:

1. P.E. TUBING IS TO BE BACKFILLED BY HAND UP TO THE TOP OF THE SERVICE.

4A WATER METER BOX ASSEMBLY
N.T.S.

MATERIALS	
ITEM	DESCRIPTION
1	BACKFLOW PREVENTER
2	GATE VALVE
3	TEST COCKS
4	DUCTILE IRON PIPE – FLANGED END x FLANGED END

NOTES:

1. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. UNDER NO CIRCUMSTANCES, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION OTHER THAN BACKFLOW DEVICE TESTING.
3. PROVIDE AND INSTALL COVER OVER BACKFLOW PREVENTER AS REQ'D BY LOCAL AUTHORITIES

5A DOUBLE CHECK BACKFLOW PREVENTER
N.T.S.

REVISIONS:

1	10/21/21	ADD. #1
2	10/28/21	ADD. #2

PROJECT #: 26197.00
DATE: August 09, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
126 Rue Magnolia
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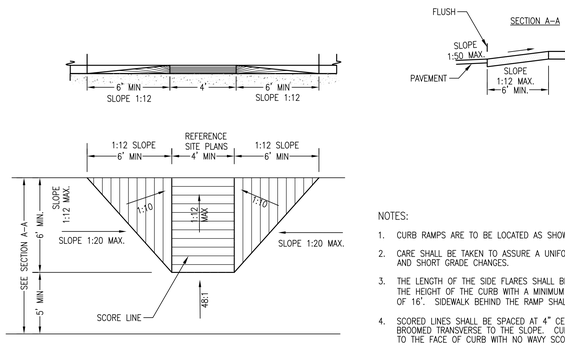
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
JOHN T. COULON LICENSE No 68629 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/10/2021

SHEET NUMBER:
C9

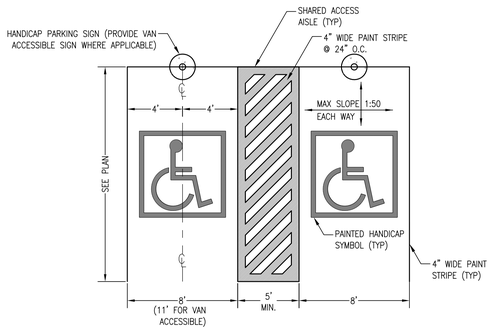
DESCRIPTION:
CONSTRUCTION DETAILS



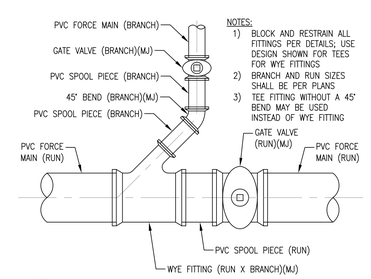
NOTES:

1. CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS.
2. CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.
3. THE LENGTH OF THE SIDE FLARES SHALL BE DETERMINED BY THE 12:1 SLOPE AND THE HEIGHT OF THE CURB WITH A MINIMUM LENGTH OF 6' AND A MAXIMUM LENGTH OF 16'. SIDEWALK BEHIND THE RAMP SHALL HAVE A CROSS SLOPE OF 48:1.
4. SCORED LINES SHALL BE SPACED AT 4" CENTERS PARALLEL TO THE RAMP AND BROOMED TRANSVERSE TO THE SLOPE. CURB LINES SHALL BE SCORED PARALLEL TO THE FACE OF CURB WITH NO WAVY SCORE MARKS.

5D ACCESSIBLE CURB RAMP
NOT TO SCALE



3B TYPICAL ACCESSIBLE PARKING LAYOUT
NOT TO SCALE



NOTES:
1) BLOCK AND RESTRAIN ALL FITTINGS PER DETAILS; USE DESIGN SHOWN FOR TEES FOR WYE FITTINGS
2) BRANCH AND RUN SIZES SHALL BE PER PLANS
3) TEE FITTING WITHOUT A 45° BEND MAY BE USED INSTEAD OF WYE FITTING

6A TYPICAL MANIFOLD CONNECTION
NOT TO SCALE

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: December 29, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
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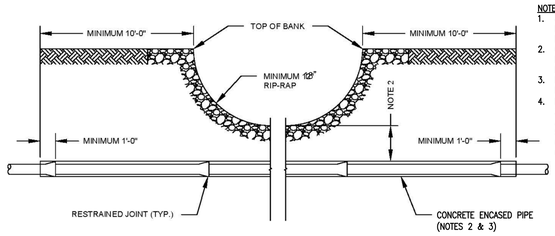
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

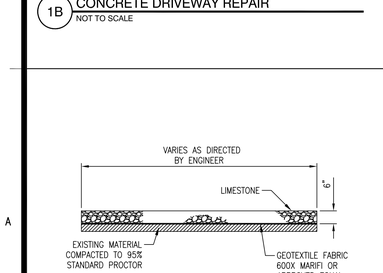
SHEET NUMBER:
C10

DESCRIPTION:
CONSTRUCTION DETAILS



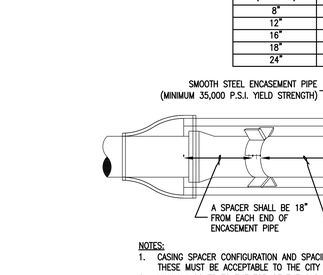
NOTES:
1. JOINTS SHALL BE RESTRAINED FOR A MINIMUM OF 20 FT BEYOND TOP OF BANK ON EACH SIDE OF CREEK.
2. CONCRETE ENCASED PIPE IS REQUIRED WHEN DEPTH OF COVER IS LESS THAN 3 FT.
3. REFER TO DETAIL 5C ON THIS SHEET FOR CASING DIMENSIONS.
4. PLACE A MINIMUM DEPTH OF 18" OF 300 LB STONE RIPRAP APPROXIMATELY 5 FT UPSTREAM AND 5 FT DOWNSTREAM FROM CENTERLINE OF PIPE ALONG CREEK BED. REUSE ONSITE RIPRAP WHERE APPLICABLE.

1E CREEK CROSSING
NOT TO SCALE

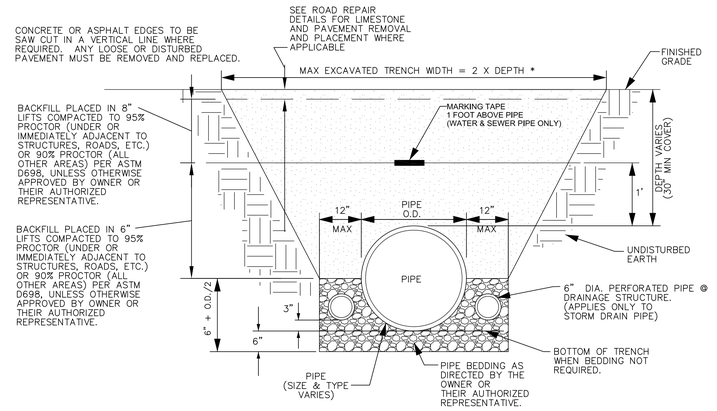


NOTES:
1. THE AREA OF THE CONSTRUCTION ENTRANCE SHALL BE EXCAVATED 6 INCHES DEEP, 50 FEET LONG AND SHALL EXTEND THE FULL WIDTH OF ANY VEHICULAR INGRESS AND EGRESS (MINIMUM 20 FEET) LOCATED ON THE SITE.
2. THE ENTRANCE SHALL BE PROPERLY MAINTAINED FOR THE DURATION OF THE PROJECT TO PREVENT THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MAINTENANCE AND REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE ENTRANCE SHALL BE CHECKED ON A DAILY BASIS AND BEFORE & AFTER ANY RAINFALL EVENT FOR ANY DAMAGES. ANY DAMAGES FOUND SHALL BE REMEDIATED BEFORE THE DAYS END AT NO ADDITIONAL COST TO THE CITY.
4. THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT THE FLOW OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE REMOVED IMMEDIATELY.
5. MEASURES SHALL BE TAKEN TO PREVENT VEHICULAR TRAFFIC FROM BYPASSING THE CONSTRUCTION ENTRANCE DURING INGRESS AND EGRESS.

1C LIMESTONE CONSTRUCTION ENTRANCE
NOT TO SCALE

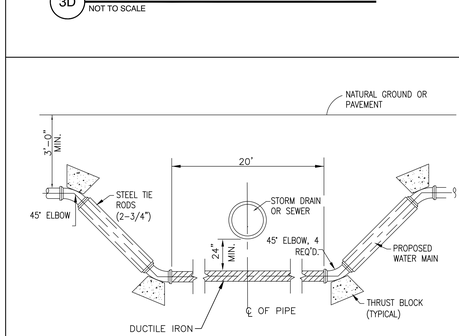


2C STORM DRAIN INLET PROTECTION DETAIL
NOT TO SCALE



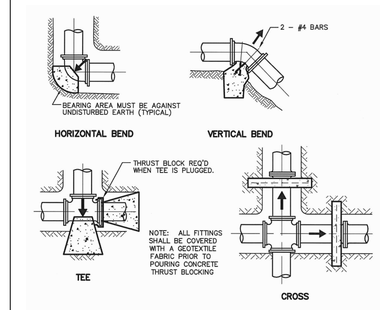
* "MAXIMUM EXCAVATED TRENCH WIDTH" REFERS TO THE MAXIMUM WIDTH THAT WILL BE USED FOR COMPUTATION OF APPLICABLE PAY ITEMS FOR BORROW FOR BACKFILL, LIMESTONE, AND PAVING. PIPE BEDDING SHALL BE PAID BASED ON A WIDTH OF TWO FEET PLUS THE OUTSIDE DIAMETER OF THE PIPE (O.D. OF PIPE + 2 FEET) AS SHOWN ON THE DETAIL. THE CONTRACTOR MAY EXCAVATE A WIDER TRENCH AT HIS OWN EXPENSE AS LONG AS TRENCH REMAINS WITHIN THE LIMITS OF CITY R.O.W., PROPERTY OR EASEMENT AND THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE APPROVES THE DIMENSIONS OF THE WIDER TRENCH.

3D PIPE EMBEDMENT
NOT TO SCALE



3C CONFLICTING UTILITY CROSSING
NOT TO SCALE

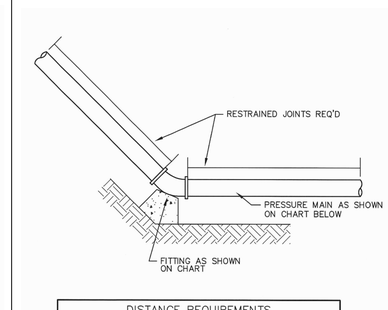
NOTES:
1) WATER LINES SHALL ALWAYS BE ABOVE SANITARY SEWER LINES UNLESS A SEPARATE DETAIL IS SHOWN INDICATING A DIFFERENT ARRANGEMENT AND THE PLANS INDICATE SPECIFIC LOCATIONS WHERE THE WATER LINE MAY BE LOCATED BELOW THE SANITARY SEWER. COORDINATE DISCREPANCIES WITH THE CONSTRUCTION ENGINEER.
2) CONTRACTOR SHALL EXPLORE AHEAD A MINIMUM 100 LINEAR FEET TO IDENTIFY CONFLICTS AHEAD OF WHERE PIPE IS BEING LAID AND TO PROVIDE THE ENGINEER OPPORTUNITY TO REVIEW THE CONFLICT AND TO MAKE RECOMMENDATION ON MODIFICATIONS TO HORIZONTAL OR VERTICAL ALIGNMENT.
3) IF A CONTRACTOR FAILS TO EXPLORE AHEAD A MINIMUM 100 LINEAR FEET AND ENCOUNTERS AN OTHERWISE AVOIDABLE UTILITY CONFLICT (AS DETERMINED BY THE ENGINEER), COSTS ASSOCIATED WITH RELAYING OF LINES OR THOSE ASSOCIATED WITH ADDITIONAL FITTINGS AND OTHER APPURTENANCES NECESSARY TO AVOID SAID CONFLICT WILL BE AT THE CONTRACTOR'S SOLE EXPENSE.
4) IN MANY INSTANCES, AN AIR RELEASE VALVE WILL BE REQUIRED ON THE UPSTREAM SIDE OF A CROSSING AS SHOWN. COORDINATE ALL ANTICIPATED AND UNANTICIPATED CONFLICTS WITH ENGINEER TO MAKE THIS DETERMINATION.



BEARING AREAS FOR THRUST BLOCKING
IN SQUARE FEET

FITTING:	4" DIA.	6" DIA.	8" DIA.	10" DIA.	12" DIA.	14" DIA.
TEES	2.0	2.5	4.7	5.0	7.0	9.0
90°	2.0	2.7	6.7	7.2	10.4	12.7
45°	1.0	1.5	3.6	3.9	5.6	6.9
22 1/2°	1.0	1.0	1.8	2.0	2.9	3.5

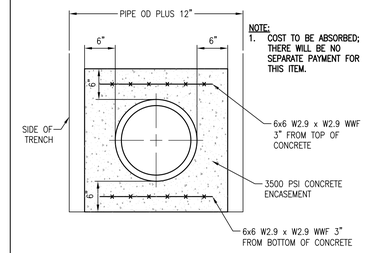
5D FORCE MAIN THRUST BLOCKING
NOT TO SCALE



DISTANCE REQUIREMENTS

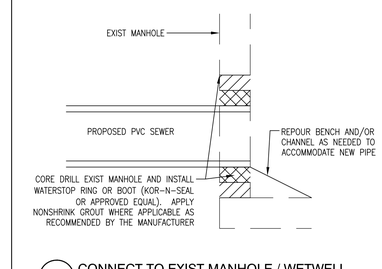
FITTINGS	6"	8"	10"	12"	14"	16"	18"	24"
90° BEND	14'	18'	25'	28'	29'	33'	37'	47'
45° BEND	6'	7'	10'	12'	12'	14'	15'	20'
22.5° BEND	3'	4'	5'	6'	6'	7'	7'	10'
11.25° BEND	0'	2'	3'	3'	3'	4'	4'	5'
45° VERT. DOWN	0'	4'	4'	6'	7'	10'	13'	23'
DEAD END	32'	49'	60'	79'	69'	78'	87'	112'

6D RESTRAINED JOINTS
NOT TO SCALE

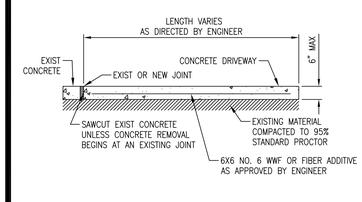


NOTE:
1. COST TO BE ABSORBED; THERE WILL BE NO SEPARATE PAYMENT FOR THIS ITEM.

5C CONCRETE ENCASEMENT
NOT TO SCALE

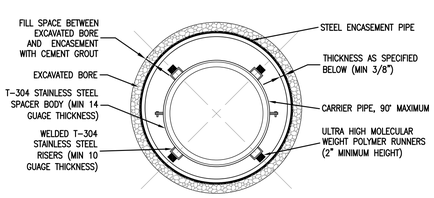


6C CONNECT TO EXIST MANHOLE / WETWELL
NOT TO SCALE

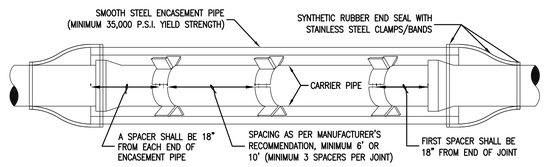


1B CONCRETE DRIVEWAY REPAIR
NOT TO SCALE

1A GRAVEL ACCESS ROAD AND GRAVEL DRIVEWAY REPAIR
NOT TO SCALE

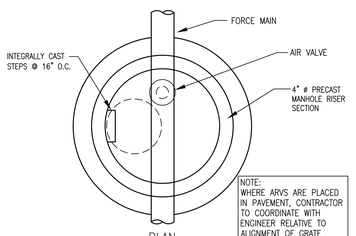


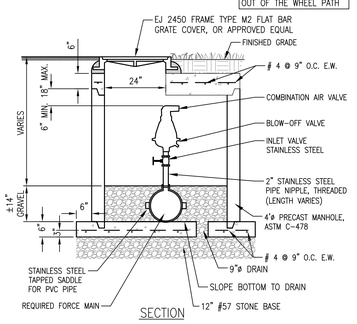
PIPE SIZE-CARRIER (DIAMETER)	PIPE SIZE-CASING (DIAMETER) (MIN.)	CASING THICKNESS (INCHES)
8"	16"	5/16"
12"	20"	5/16"
16"	30"	3/8"
18"	30"	1/2"
24"	36"	1/2"



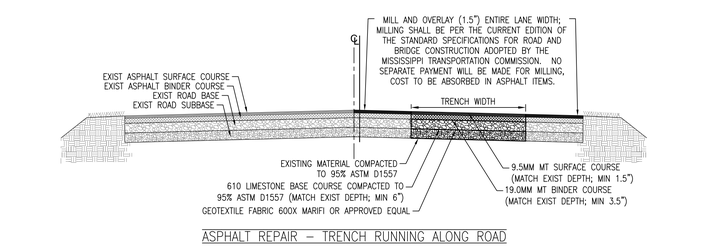
NOTES:
1. CASING SPACER CONFIGURATION AND SPACING SHALL BE AS SHOWN ON MANUFACTURER'S DRAWINGS FOR SPECIFIC WORK; THESE MUST BE ACCEPTABLE TO THE CITY OF BILOXI.
2. MINIMUM COVER TO THE TOP OF THE CASING SHALL BE 30" BELOW THE BASE OF THE EXISTING ROADWAY.
3. STEEL PIPE CASING SHALL BE SMOOTH STEEL PIPE FABRICATED IN SECTIONS IN ACCORDANCE WITH ASTM A 252, WELDED, BLACK, GRADE 1. LENGTHS OF CASING PIPE SHALL BE AS LONG AS PRACTICAL FOR SITE CONDITIONS.
4. JOINTS SHALL CONFORM TO THE REQUIREMENTS OF MDOT SPEC 810.03.5. JOINTS BETWEEN SECTIONS SHALL BE COMPLETELY WELDED TO THE PRECEDING SECTIONS. PRIOR TO WELDING JOINTS, THE CONTRACTOR SHALL ENSURE THAT BOTH ENDS OF THE CASING SECTIONS BEING WELDED ARE SQUARE.
5. COMPENSATION FOR END SEALS, CLAMPS/BANDS, AND SPACERS SHALL BE INCLUDED IN THE UNIT PRICE FOR STEEL CASING.

2A STEEL CASING
NOT TO SCALE

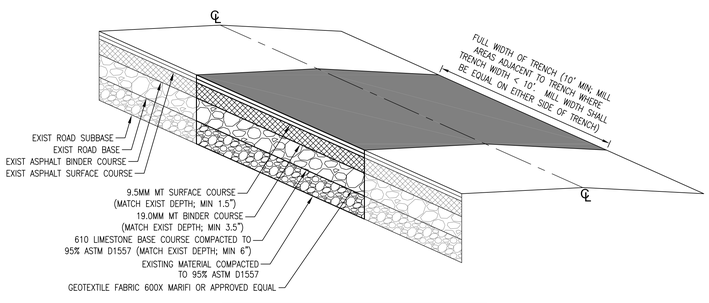




4A AIR RELEASE VALVE & MANHOLE
NOT TO SCALE



ASPHALT REPAIR – TRENCH RUNNING ALONG ROAD



ASPHALT REPAIR – TRENCH CROSSING ROAD

5A ASPHALT ROAD TRENCH REPAIR
NOT TO SCALE

REVISIONS:

1		
2		
3		
4		
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PROJECT #: 26197.00
DATE: December 29, 2021
DRAWN BY: MLS
DESIGNER: KJC
CHECKED BY: CBW

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
126 Main Street
Biloxi, MS 39530
228.432.5925

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
KOBY J. COULON LICENSE No 88629 12/29/2021 STATE OF FLORIDA PROFESSIONAL ENGINEER

SHEET NUMBER:
C11

DESCRIPTION:
CONSTRUCTION DETAILS

STRUCTURAL ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
ADD'L	ADDITIONAL
ALT	ALTERNATE
AB	ANCHOR BOLT(S)
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
BRG	BEARING
BOT	BOTTOM
BLDG	BUILDING
CTRD	CENTERED
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION(S)
CJ	CONSTRUCTION JOINT
CONT	CONTINUOUS
DL	DEAD LOAD
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EF	EACH FACE
EW	EACH WAY
EH	EAVE HEIGHT
EL	ELEVATION (HEIGHT)
EMBED	EMBEDMENT
EQ	EQUAL
EXIST	EXISTING
EXP	EXPANSION
EXP JT	EXPANSION JOINT
FS	FAR SIDE
FF	FINISHED FLOOR
FTG	FOOTING
GA	GAUGE OR GAGE
HORIZ	HORIZONTAL
IN	INCH
INFO	INFORMATION
IF	INSIDE FACE
K	KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LL	LIVE LOAD
LONG	LONGITUDINAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MBM	METAL BUILDING MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NF	NEAR FACE
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
OF	OUTSIDE FACE
OD	OUTSIDE DIAMETER
PL	PLATE
LBS	POUNDS
PCF	POUNDS PER CUBIC FOOT
PCI	POUNDS PER CUBIC INCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCING
REQ'D	REQUIRED
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
SF	SQUARE FOOT
STD	STANDARD
STIFF	STIFFENER
STRUCT	STRUCTURAL
SYM	SYMMETRICAL
TOF	TOP OF FOOTING
TO SLAB	TOP OF SLAB
TO STL	TOP OF STEEL
TO WALL	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WWF FABRIC	WELDED WIRE
WF SHAPE	WIDE FLANGE
WL	WIND LOAD

DESIGN LOADS

1. CODE	IBC 2020
2. SNOW LOAD	
1. GROUND SNOW LOAD	0 PSF
2. IMPORTANCE FACTOR	1.0
3. SNOW EXPOSURE FACTOR (Ce)	1.0
3. LATERAL LOADS	
WIND LOADS	
1. ULTIMATE WIND SPEED	118 MPH
2. IMPORTANCE FACTOR	1.0
4. GRAVITY LOADS PRE-MANUFACTURED BUILDING	
REACTIONS PROVIDED BY USA MODULAR	
5. MEZZANINE GRAVITY LOADS	
DEAD LOAD	
3" LW CONC. ON 9/16-26 GA DECK	27 PSF
BEAMS & JOIST	4 PSF
CEILING	1 PSF
COLLATERAL LOAD (MECHANICAL)	5 PSF
TOTAL DEAD LOAD	37 PSF
LIVE LOAD	
OFFICE	50 PSF
PARTITIONS	15 PSF
TOTAL LIVE LOAD	65 PSF
6. PRE-ENGINEERED METAL BLDG - ROOF GRAVITY LOAD	
DEAD LOAD	PER PEMB MANUFACTURER
COLLATERAL LOAD (M.E.P)	5 PSF
LIVE LOAD	20 PSF (REDUCIBLE)
7. EARTHQUAKE LOADS:	
SEISMIC SPECTRAL ACCELERATIONS	
S_S	0.086 g
S_1	0.051 g
S_{DS}	0.092 g
S_{D1}	0.081 g
SEISMIC RISK CATEGORY:	II
SEISMIC DESIGN CATEGORY:	B
IMPORTANCE FACTOR:	1.0
SOIL PROFILE TYPE:	D
BASIC STRUCTURAL SYSTEM:	BY USA MODULAR
RESPONSE MODIFICATION FACTOR, R:	BY USA MODULAR
DEFLECTION AMPLIFICATION FACTOR, Cd:	BY USA MODULAR
SEISMIC RESPONSE COEFFICIENT, Cs:	BY USA MODULAR
ANALYSIS PROCEDURE:	BY USA MODULAR
SEISMIC BASE SHEAR:	BY USA MODULAR

A. GENERAL

1. GENERAL:
THE STRUCTURAL COMPONENTS ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THEY ARE FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY.

2. SAFETY:
IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.

3. MISCELLANEOUS:
EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURES IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.

4. DISCREPANCIES:
SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OTHER CONTRACT DOCUMENTS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

5. SECTION & DETAIL REFERENCE:
WHEN A SECTION OR A DETAIL IS REFERENCED FOR A PARTICULAR CONDITION, THAT SECTION OR DETAIL SHALL APPLY FOR ALL SIMILAR CONDITIONS, REGARDLESS OF WHETHER IT IS REFERENCED OR NOT, UNLESS NOTED OTHERWISE.

6. SUBMITTALS:
A. SUBMITTALS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ARCHITECT.
B. SUBMITTALS WILL BE REVIEWED BY THE STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH THE PRINCIPLES AND CONTRACT DOCUMENTS OF THE PROJECT. CONTRACTOR IS NOT RELIEVED FROM HIS SOLE RESPONSIBILITY REGARDING CHECKING OF DIMENSIONS, QUANTITIES, COORDINATION OF THE WORK OF ALL TRADES, CORRELATION OF DESIGN DOCUMENTS THAT MAY CONTAIN CONTRADICTORY INFORMATION AND FOR INFORMATION THAT PERTAINS TO THE FABRICATION, CONSTRUCTION PROCESSES AND/OR SAFETY REQUIREMENTS

7. QUALITY REQUIREMENTS:
A. REFERENCE TO STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED.
B. VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
C. NO PIPES, DUCTS, CHASES, ETC. SHALL BE PLACED IN STRUCTURAL BEAM AND COLUMN MEMBERS NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS NOTED OTHERWISE. NOTIFY THE STRUCTURAL ENGINEER WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, POCKETS, ETC. NOT INDICATED ON THE STRUCTURAL DRAWINGS, BUT ARE LOCATED IN STRUCTURAL MEMBERS.
D. CONTRACTOR DESIGNED ELEMENTS SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, SUPPORT REACTIONS, AND CERTIFICATION THAT ELEMENTS ARE DESIGNED FOR LOADS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE BUILDING CODE. ALL DOCUMENTS NOTED SHALL BE SEALED BY THE LICENSED ENGINEER. THE FOLLOWING ELEMENTS AND THEIR CONNECTIONS SHALL BE BY THE CONTRACTOR'S STRUCTURAL ENGINEER:
- TEMPORARY BRACING AND SHORING
- PRE-MANUFACTURED BUILDING
- PRE-ENGINEERED METAL BUILDING

B. REINFORCED CONCRETE

1. MATERIALS:
   a. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
   b. STRUCTURAL CONCRETE. (USE CRUSHED LIMESTONE FOR COARSE AGGREGATE.)

CLASS	LOCATION	f'c, psi
I	FOOTINGS	3000
II	INTERIOR SLAB ON GRADE	4000
III	EXTERIOR CONCRETE	4000 WITH AIR
IV	TOPPING SLAB AT MEZZANINE (LIGHTWEIGHT STRUCTURAL CONCRETE, 118 PCF MAX.)	4000
V	BACKFILL BELOW FOOTINGS	1500

2. CONTINGENCIES:
   a. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING. SUCH SUPPORTS ARE TO BE REFLECTED IN THE BID, AND ARE NOT PART OF THE CONTINGENCY QUANTITY LISTED BELOW.

3. FOOTINGS/MATS:
   a. PROVIDE DOWELS IN FOOTINGS/MATS TO MATCH VERTICAL DOWELS IN WALLS.
   b. PROVIDE LEAN CONCRETE (CLASS V) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.

4. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS:
   a. HORIZONTAL AND VERTICAL BARS — 48 DIAMETERS U.N.O.
   b. VERTICAL BARS SHALL HAVE A HORIZONTAL HOOK EQUAL TO 48 BAR DIAMETERS U.N.O.

5. CONSTRUCTION JOINTS:
   a. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE CONTRACTING OFFICER. ALL CONSTRUCTION JOINTS ARE TO BE KEYED. METAL KEYWAYS ARE NOT PERMISSIBLE.

6. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
   a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
   b. CONCRETE EXPOSED TO EARTH OR WEATHER:
      #5 BARS AND SMALLER — 1-1/2 INCHES
      OTHERS — 2 INCHES

C. PRE-ENGINEERED METAL BUILDING SYSTEM

1. SUBMIT COMPLETE DESIGN CALCULATIONS AND DRAWINGS SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA SHOWING ALL CALCULATIONS FOR RIGID FRAMES, LATERAL BRACING, GIRTS, AND PURLINS. DOCUMENT MATERIAL STRENGTHS FOR ALL COMPONENTS. SEE PROJECT MANUAL FOR ADDITIONAL SUBMITTAL REQUIREMENTS AND DESIGN CRITERIA.

2. DEFLECTION DUE TO GRAVITY AND LATERAL LOADS APPLIED IN EACH OF THE PRINCIPAL DIRECTIONS SHALL BE IN ACCORDANCE WITH THE GUIDELINES OF IBC AND THE METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA).

3. ANY SPECIAL FOUNDATION CRITERIA REQUIRED FOR THE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR IN HIS BASE BID. IF THE COLUMN REACTIONS FURNISHED BY THE METAL BUILDING MANUFACTURER'S ENGINEER REQUIRE PIERS OR FOUNDATIONS TO BE INCREASED OR MODIFIED, SUCH REVISIONS SHALL BE FURNISHED BY THE CONTRACTOR AS PART OF THE BASE BID WITH NO ADDITIONAL COSTS TO THE OWNER.

4. PROVIDE COMPLETE PRE-ENGINEERED METAL BUILDING SYSTEM PER SPECIFICATIONS. COORDINATE ANCHOR BOLT SIZE AND SPACING WITH METAL BUILDING MANUFACTURER. UNLESS NOTED OTHERWISE NOT LESS THAN (4) 3/4"ø HEADED ANCHOR BOLTS WITH A MINIMUM EMBEDMENT OF 12" SHALL BE PROVIDED FOR EACH COLUMN. PROVIDE LARGER AND/OR ADDITIONAL ANCHOR BOLTS AS REQUIRED AT CERTAIN COLUMNS TO SATISFY THE METAL BUILDING MANUFACTURER'S LOADS.

5. FIXED BASE COLUMNS SHALL NOT BE USED.

6. DESIGN ALL MOMENT CONNECTIONS FOR GRAVITY, WIND AND SEISMIC LOADS IN ACCORDANCE WITH THE AISC GUIDELINES.

7. METAL BUILDING COLUMNS TO BE 12" DEEP MAXIMUM AT THE BASE.

8. THE FOUNDATION SYSTEM IS DESIGNED TO SUPPORT A PRE-ENGINEERED METAL BUILDING FRAME SYSTEM. SIZES OF THE FOOTINGS MAY VARY ACCORDING TO THE FINAL REACTIONS THAT MUST BE PROVIDED BY THE METAL BUILDING MANUFACTURER. SUCH REACTIONS SHALL BE MADE AVAILABLE TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF WORK.

9. THE METAL BUILDING COMPONENTS SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS AS INDICATED ON THE DRAWINGS PLUS ALL MISCELLANEOUS LOADS SUCH AS ROOF TOP UNITS. REFER TO ALL CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.

10. USE SCREWED DOWN LAP JOINT ROOFING SYSTEM.

11. CONTRACTOR TO FLASH NEW ROOF TO EXISTING ROOF WITH CURRENT ROOF MEMBRANE SYSTEM.

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: CHT
DESIGNER: CHT
CHECKED BY: YAS

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Woodlane Avenue, Suite 300
Woodland Hills, CA 91303
801.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
YOUSEF A. SALEH
LICENSE
No. 80716
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/09/2021

SHEET NUMBER:
S-001

DESCRIPTION:
STRUCTURAL NOTES

August 09, 2021, 1:56pm yousefsaleh
P:\26197.00\CAD\-LAKE CITY, FL\S\S001.dwg

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "SPECIAL INSPECTIONS AND TESTS", IBC 2020)

wt	INSPECTION TASK (CODE REFERENCE)	Y/N	FREQUENCY	REFERENCE STANDARD
M2-1	VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND OTHER GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE	Y	C	
M2-2	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT	Y	C	TMS 402 1.5 B.1.b.3
M2-3	VERIFY COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS	Y	P	TMS 602 1.5
M2-4	VERIFY COMPLIANCE OF:	N	--	
	A. PROPORTIONS OF SITE-PREPARED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	N	P	TMS 602 2.1, 2.6 A, 2.6 B, 2.6 C, 2.4 G.1.b
	B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	N	P	TMS 402 6.1; TMS 602 2.4, 3.4
	C. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MOTOR JOINTS	N	P	TMS 602 3.3B
	D. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	N	C	TMS 402 6.1, 6.2.1, 6.2.6, 6.2.7; TMS 602 3.2 E, 3.4, 3.6 A
	E. GROUT SPACE PRIOR TO GROUTING	N	C	TMS 602 3.2 D, 3.2 F
	F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BOND TENDONS	N	C	TMS 602 3.5, 3.6 C
	G. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	N	P	TMS 602 3.3 F
	H. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	N	C	TMS 402 1.2.1(e), 6.1.4.3, 6.2.1
	I. WELDING OF REINFORCEMENT	N	C	TMS 402 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)
	J. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 F (4.4 C)) OR HOT WEATHER (TEMPERATURE ABOVE 90 (32.2 C))	N	P	TMS 602 1.8 C, 1.8 D
	K. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	N	C	TMS 602 3.6 B
	L. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	N	C	TMS 602 3.3 B.9,3.3 F.1.b
	M. PROPERTIES OF THIN-BED MOTAR FOR ACC MASONRY	N	C	TMS 602 2.1 C.1
M2-5	OBSERVE PREPARARTION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND /OR PRISMS	Y	C	TMS 602 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4
SOIL (1705.6)				
SO-0	SITE SOIL CONDITIONS, FILL PLACEMENT, AND LOAD-BEARING REQUIREMENTS	Y	--	
SO-1	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	Y	P	
SO-2	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	Y	P	
SO-3	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	Y	P	
SO-4	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	Y	C	
SO-5	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SURGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	Y	P	
FABRICATED ITEMS (1705.10)				
FI-1	INSPECTION OF FABRICATES ITEMS	Y		
SPECIAL INSPECTION FOR WIND REQUIREMENTS (1705.11)				
WR-0	SPECIAL INSPECTIONS FOR WIND RESISTANCE IS REQUIRED FOR THE FOLLOWING CONDITIONS:	--	--	IBC 1705.11.1 - 1705.11.3
	A. WIND EXPOSURECATEGORY B WHERE Vasd AS DETERMINED IN ACCORDANCE WITH SECTION 1609.3.1 IS 120MPH OR GREATER	Y	--	
	B. WIND EXPOSURE CATEGORY C OR D WHERE Vasd AS DETERMINED IN ACCORDANCE WITH SECTION 1609.3.1 IS 110 MPH OR GREATER	Y	--	
WR-1	INSTALLATION OF WIND RESISTING COMPONENTS	--	--	
	A. ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS	Y	P	
	B. EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DAIPHRAGMS AND FRAMING	Y	P	
SPECIAL INSPECTION FOR SEISMIC RESISTANCE (1705.12)				
SR-0	SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE FOR BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F	--	--	IBC 1705.12.1 - 1705.12.9
SR-1	INSPECTION OF STRUCTURAL STEEL FOR BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F	Y	--	IBC 1705.12.1.1 - 1705.12.1.2
	1. INSPECT STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEM (NOT REQUIRED FOR STEEL BUILDINGS AND STRCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C THAT ARE NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, WITH A RESPONSE MODIFICATION COEFFICIENT, R OF 3 OR LESS, EXCLUDING CANTILEVER COLUMN SYSTEMS)	Y	C	AISC 341 QUALITY ASSURANCE REQUIREMENTS
	2. INSPECT STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEM OTHER THAN THOSE COVERED IN SR-11, INCLUDING STRUTS, COLLECTORS, CHORDS, AND FOUNDATIONS ELEMENTS (NOT REQUIRED FOR STEEL BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIN DESIGN CATEGORY B OR C WITH A RESPONSE MODIFICATION COEFFICIENT, R, OF 3 OR LESS)	Y	C	AISC 341 QUALITY ASSURANCE REQUIREMENTS
SR-2	EXAMINE DESIGNATED SEISMIC SYSTEMS REQUIRING SEISMIC QUALIFICATION	Y	P	ASCE 7 13.2.2
SR-3	INSPECT THE ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR AND NONBEARING WALLS, AND INTERIOR AND EXTERIOR VENEER IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F	Y	P	
SR-4	INSPECT ANCHORAGE OF ACCESS FLOOR IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F	Y	P	
SR-5	INSPECT ANCHORAGE OF PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS:	Y	--	
	A. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEM	Y	P	
	B. ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E OR F	Y	P	

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "SPECIAL INSPECTIONS AND TESTS", IBC 2020)

wt	INSPECTION TASK (CODE REFERENCE)	Y/N	FREQUENCY	REFERENCE STANDARD
	C. INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNIT	Y	P	
	D. INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIAL	Y	P	
	E. INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS WHERE THE CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 1/4 INCH (6.4 mm) OR LESS BETWEEN EQUIPMENT SUPPORT FRAME AND RESTRAINT	Y	P	
SR-6	INSPECT THE ANCHORAGE OF STORAGE RACKS 8 FEET (2438mm) OR GREATER IN HEIGHT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F	Y	P	
SR-7	INSPECT SEISMIC ISOLATE SYSTEMS IN SEISMICALLY ISOLATED STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F DURING FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES	Y	P	
TESTING FOR SEISMIC RESISTANCE (1705.13)				
TSR-0	TESTING FOR SEISMIC RESISTANCE FOR BUILING AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F	--	--	IBC 1705.13.1 - 1705.13.4
TSR-1	NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL	Y	--	
	1. NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEM (NOT REQUIRED FOR STEEL BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C THAT ARE NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, WITH A RESPONSE MODIFICATION COEFFICIENT, R, OF 3 OR LESS, EXCLUDING CANTILEVER COLUMN SYSTEMS)	Y	C	AISC 341 QUALITY ASSURANCE REQUIREMENTS
	2. NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEM OTHER THAN THOSE COVERED IN TSR-1.1 INCLUDING STRUTS, COLLECTORS, CHORDS AND FOUNDATION ELEMENTS (NOT REQUIRED FOR STEEL BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C WITH A RESPONSE MODIFICATION COEFFICIENT, R, OF 3 OR LESS)	Y	C	AISC 341 QUALITY ASSURANCE REQUIREMENTS
TSR-2	SEISMIC CERTIFICATION BY ANALYSIS, TESTING OR EXPERIENCE DATA FOR NONSTRUCTURAL COMPONENTS, SUPPORTS OR ATTACHMENTS	Y	P	ASCE 7 13.2.1; IBC 1704.5
TSR-3	SEISMIC CERTIFICATION BY ANALYSIS, TESTING OR EXPERIENCE DATA FOR DESIGNATED SEISMIC SYSTEMS FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F	Y	P	ASCE 7 13.2.2; IBC 1704.5
TSR-4	TESTING FOR SEISMIC ISOLATION SYSTEMS IN SEISMICALLY ISOLATED STRUCTURES	Y	P	ASCE 7 17.8
GENERAL SPECIAL INSPECTION NOTES				
1	SUBMIT FINAL REPORT OF SPECIAL INSPECIAL INSPECTIONS INDICATING THAT THE SPECIAL INSPECTIONS HAVE BEEN PERFORMED AND ALL DISCOVERED DISCREPANCIES HAVE BEEN REPORTED AND RESOLVED	--	--	
2	INTERIM REPORTS SUBMITTED PRIOR TO THE FINAL REPORT FORM A BASIS FOR AND ARE CONSIDERED TO BE AN INTEGRAL PART OF THE FINAL REPORT	--	--	
3	SUBMIT RECORDS, REPORTS, CERTIFICATES ETC. FOR THE SPECIAL INSPECTIONS REQUIRED INCLUDING ITEMS THAT DO NOT REQUIRE CONTINUOUS OR PERIODIC TETING AND/OR OBSERVATION	--	--	
4	LETTERS IN FREQUENCY COLUMN INDICATE THE FOLLOWING: C=CONTINUOUS, P=PERIODIC, S=SUBMITTAL		--	
STEEL CONSTRUCTION (1705.2)				
ST-1	REVIEW FABRICATORS WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY	Y	S	
ST-2	FABRICATOR TO SUBMIT A STATEMENT OF COMPLIANCE TO THE BUILDING CODE OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS	Y	S	
ST-3	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:	--	--	
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	Y	S	AISC 360 A3.3
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	Y	S	AISC 360 A3.3
ST-4	INSPECTION OF HIGH-STRENGTH BOLTING:	--	--	
	A. SNUG-TIGHT JOINTS	Y	P	AISC 360 M2.5, N5.6, TABLE N5.6-1
	B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	Y	P	AISC 360 M2.5, N5.6, TABLE N5.6-2
	C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION	Y	C	AISC 360 M2.5, N5.6, TABLE N5.6-2
	D. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS AFTER INSTALLATION OF BOLTS	Y	C	AISC TABLE N5.6-3
ST-5	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:	--	--	
	A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	Y	S	AISC 360 A3.5, AWS D1.1
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	Y	S	
ST-6	VERIFY WELDER CERTIFICATION FOR ALL FIELD WELDERS WHO WILL PERFORM FIELD WELDING	Y	S	AWS D1.1
ST-7	INSPECTION OF WELDING:	--	--	
	A. STRUCTURAL STEEL AND COLD-FORM STEEL DECK:	--	--	
	1. COMPLETE AND PARTIAL JOINT PENETRATEION GROOVE WELDS	Y	C	AWS D1.1; IBC 1705.21
	2. MULTI PASS FILLET WELDS	Y	C	AWS D1.1; IBC 1705.21
	3. SINGLE PASS FILLET WELDS>5/16"	Y	C	AWS D1.1; IBC 1705.21
	4. PLUG AND SLOT WELDS	Y	C	AWS D1.1; IBC 1705.21
	5. SINGLE PASS FILLET WELDS</=5/16"	Y	P	AWS D1.1; IBC 1705.21
	6. FLOOR AND ROOF DECK WELDS	Y	P	AWS D1.3; IBC 1705.22
	7. HEADED STUD ANCHORS	Y	P	AWS D1.1; IBC 1705.21
ST-8	INSPECT ELEMENTS OF COMPOSITE CONSTRUCTION	--	--	
	A. PLACEMENT AND INSTALLATION OF STEEL DECK	Y	C	AISC N6
	B. PLACEMENT AND INSTALLATION OF HEADED STUD ANCHORS	Y	C	AISC N6
	C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	Y	C	AISC N6

SCHEDULE OF SPECIAL INSPECTIONS (PER REQUIREMENT OF CHAPTER 17 "SPECIAL INSPECTIONS AND TESTS", IBC 2020)

wt	INSPECTION TASK (CODE REFERENCE)	Y/N	FREQUENCY	REFERENCE STANDARD
ST-9	INSPECT OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:	--	--	
	A. DETAILS SUCH AS BRACING AND STIFFENING	Y	P	
	B. MEMBER LOCATIONS	Y	P	
	C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	Y	P	
CONCRETE CONSTRUCTION (1705.3)				
C-1	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDORS, AND VERIFY PLACEMENT	Y	P	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3; IBC 1908.4
C-2	REINFORCING BAR WELDING	--	--	
	A. VERIFY WEL DISABILITY OF REINFORCING BARS OTHER THAN ASTM A706	Y	P	AWS D1.4; ACI 318 26.6.4
	B. INSPECT SINGLE-PASS FILLET WELDS</=5/16"	Y	P	AWS D1.4; ACI 318 26.6.4
	C. INSPECT ALL OTHER WELDS	Y	C	AWS D1.4; ACI 318 26.6.4
C-3	INSPECT ANCHORS POST-INSTALLED IAND ANCHORED RODS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	Y	P	ACI 318 17.8
C-4	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE	--	--	
	A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLUDED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	Y	C	ACI 318 17.8.2.4
	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN C-4.A	Y	P	ACI 318 17.8.2
C-5	VERIFY USED OF REQUIRED DESIGN MIX	Y	P	ACI 318 CH. 19, 26.4.3 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3
C-6	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	Y	C	ASTM C172, ASTM C31; ACI 318 26.4, 26.12, IBC 1908.10
C-7	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	C	ACI 318 26.5; IBC 1908.6, 1908.7, 1908.8
C-8	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	Y	P	ACI 318 26.5.3-26.5.5; IBC 1908.9
C-9	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORM BEAMS AND STRUCTURAL SLABS	N	P	ACI 318 26.11.2
C-10	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	Y	P	ACI 318 26.11.2(b)

REVISIONS:

1		
2		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: CHT
DESIGNER: CHT
CHECKED BY: YAS

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Houston, Texas 77057
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

SHEET NUMBER:

S-002

DESCRIPTION:
SPECIAL INSPECTIONS

Sept 09, 2021 9:40am yousefsaleh
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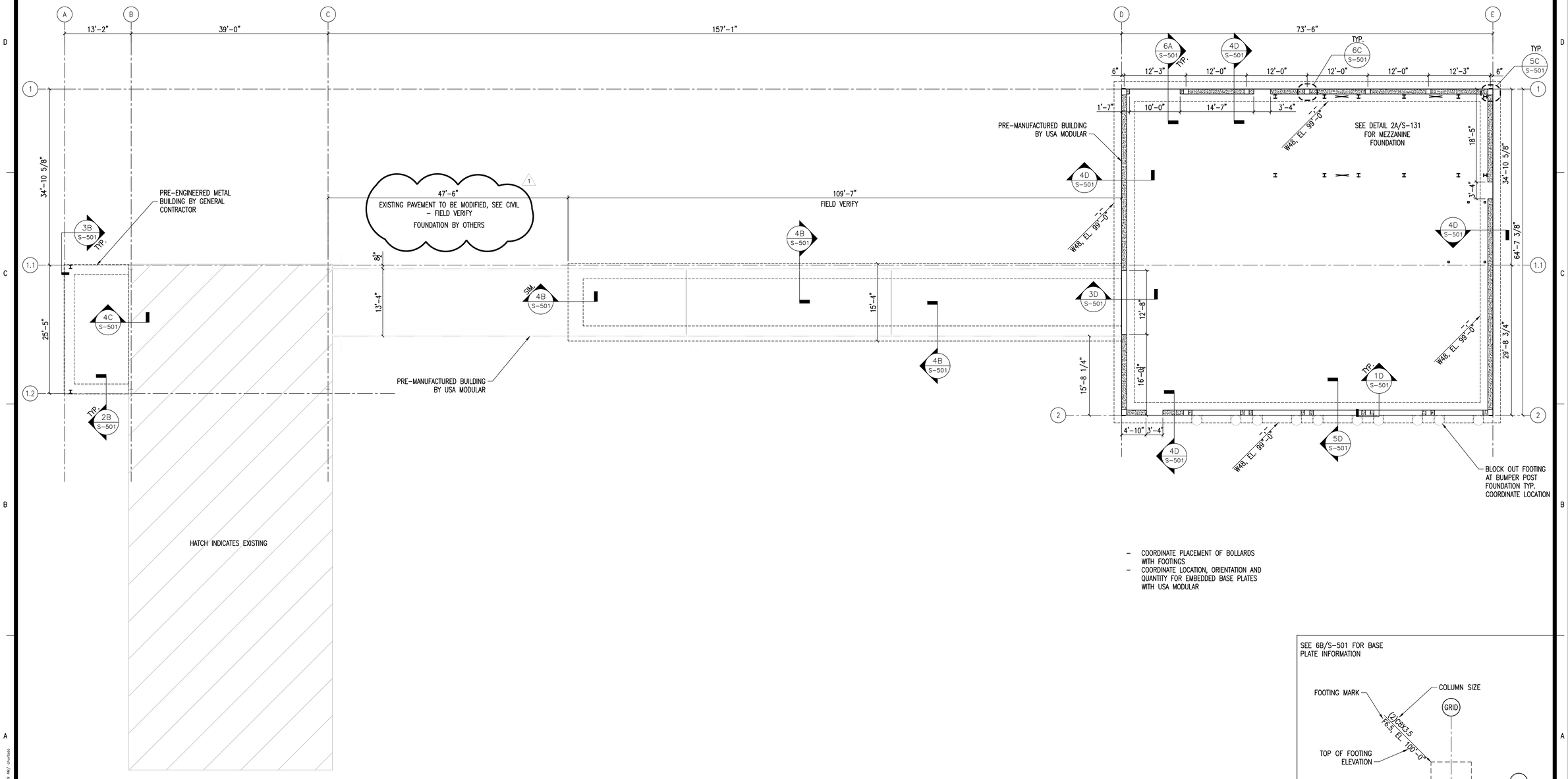
FOUNDATION NOTES

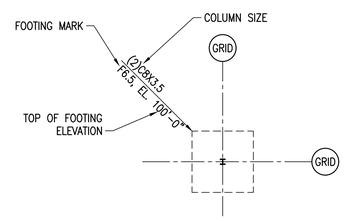
1. FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 2,500 PSF. THIS CAPACITY IS BASED ON THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT BY TERRACON, DATED DECEMBER 5, 2019. ALLOWABLE BEARING CAPACITY TO BE VERIFIED IN THE FIELD BY THE SOILS ENGINEER.
2. EXCAVATIONS ARE ASSUMED TO BE LAID BACK TO A 1.5H TO 1.0V SLOPE. IF REQUIRED SHEETING OR SHORING TO BE INSTALLED TO MAINTAIN THE 2 TO 1 SLOPE. KEEP ALL EXCAVATIONS FREE OF WATER.
3. SEE SHEET S-001 FOR STRUCTURAL NOTES.
4. COORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.
5. SEE DETAIL 6A/S-130 FOR FOOTING NOTATION.



1A OVERALL FOUNDATION PLAN
1/8" = 1'-0"

NORTH

SEE 6B/S-501 FOR BASE PLATE INFORMATION



6A COLUMN FOOTING NOTATION
1/8"=1'-0" S-DET026

REVISIONS:

1	10/21/21	ADDENDUM #1
2		
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5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
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DESIGNER: CHT
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

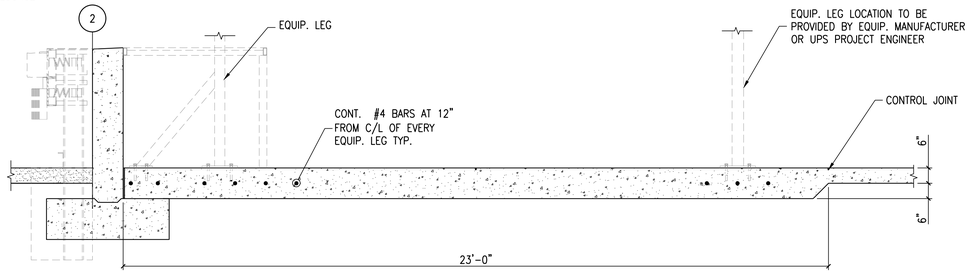
SEAL:

SHEET NUMBER:
S-130

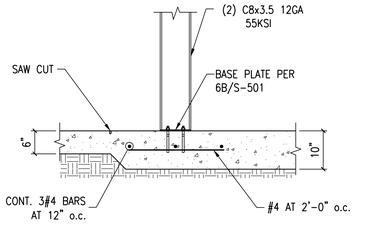
DESCRIPTION:
OVERALL FOUNDATION PLAN

04-091-S-130.dwg, October 25, 2021-11:49 AM, churtado

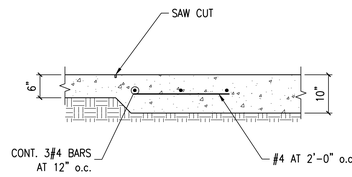
REFER TO UPS STANDARD
DETAILS FLOOR01 & FLOOR02



2E SECTION - THICKENED SLAB AT LOADING DOCKS
1/2"=1'-0" S-DET039A

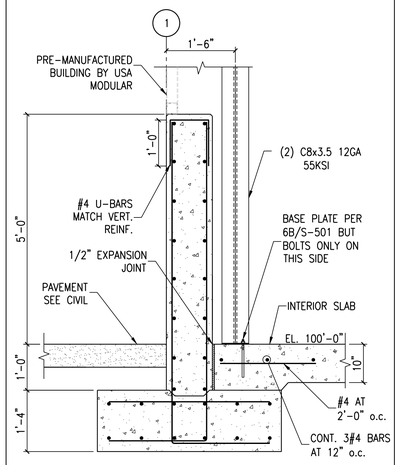


5E DETAIL
3/4"=1'-0" S-DET063



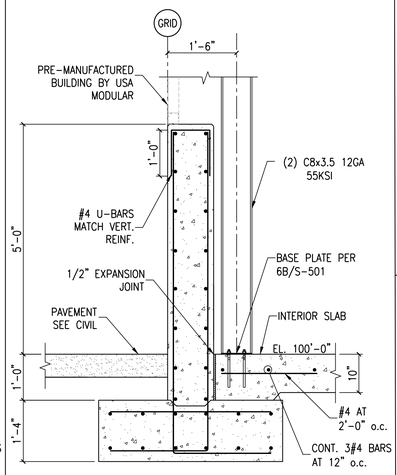
6E DETAIL
3/4"=1'-0" S-DET062

SEE DETAIL 4D/S-501
FOR STEM WALL AND
FOOTING REINFORCEMENT



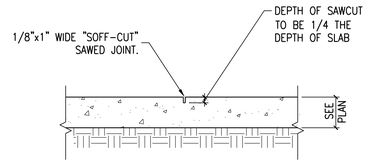
4C DETAIL
3/4"=1'-0" S-DET045

SEE DETAIL 4D/S-501
FOR STEM WALL AND
FOOTING REINFORCEMENT



5C DETAIL
3/4"=1'-0" S-DET044

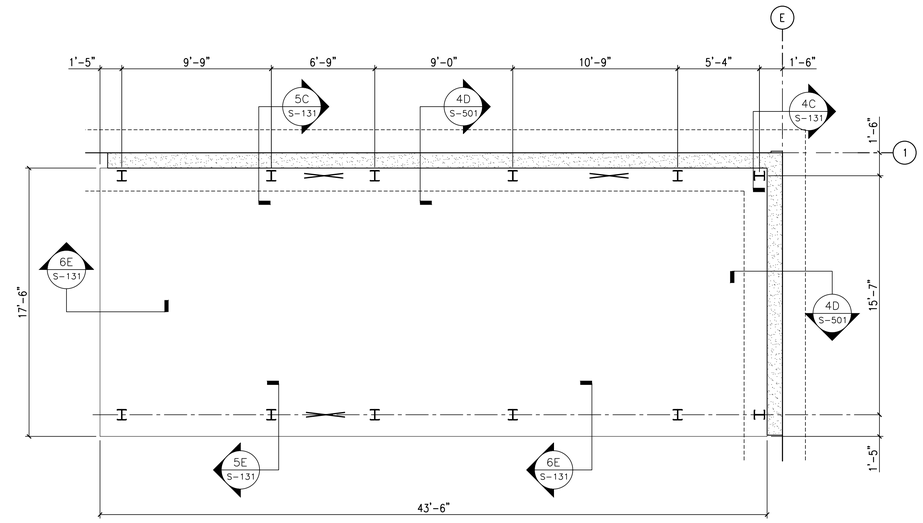
NOTE:
UNLESS OTHERWISE DIMENSIONED
CONTROL JOINTS ARE SPACED EQUALLY



6D TYPICAL CONTROL JOINT
1"=1'-0" S-DET016

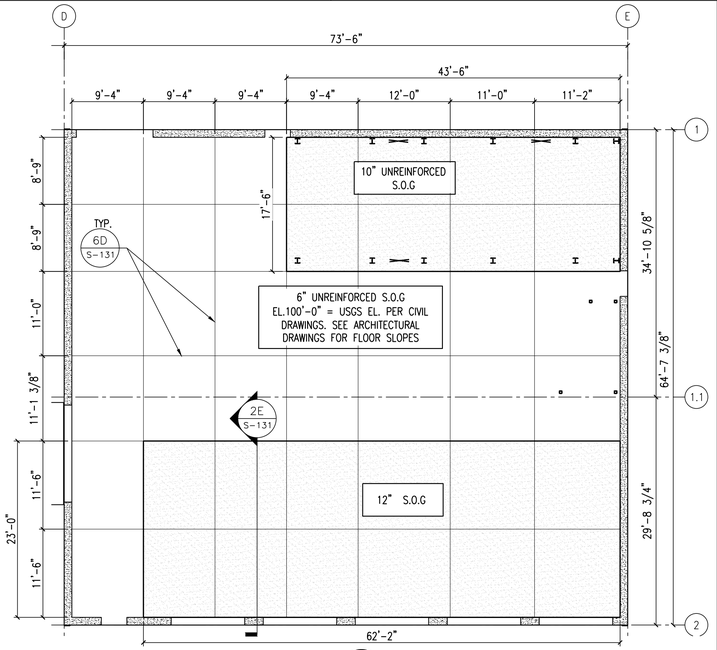
SLAB ON GRADE NOTES:

1. SAWCUTTING OPERATIONS MUST TAKE PLACE PRIOR TO THE BUILD-UP OF SHRINKAGE STRESS IN THE CONCRETE PER ACI REQUIREMENTS AND GUIDELINES. SAWCUTTING MUST OCCUR WITHIN 12.0 HOURS AFTER THE CONCRETE IS PLACED WITHOUT RAVELING CONCRETE.
2. REFER TO SHEET S-001 FOR STRUCTURAL NOTES.
3. SEE GEOTECHNICAL REPORT BY TERRACON, DATED DECEMBER 5, 2019 FOR SITE PREPARATION RECOMMENDATIONS.
4. LOCATE EXISTING AND NEW UTILITIES AND TRENCHES BEFORE PLACING SLAB.
5. MAXIMUM CONTROL JOINT SPACING SHALL BE 12'-0" UNO.



2A MEZZANINE FOUNDATION PLAN
1/4" = 1'-0"

NORTH



5A SLAB PLAN
1/8" = 1'-0"

NORTH

REVISIONS:

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PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	CHT
DESIGNER:	CHT
CHECKED BY:	YAS

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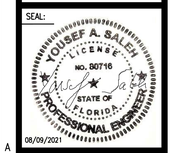
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:



SHEET NUMBER:

S-131

DESCRIPTION:
MEZZANINE FOUNDATION AND SLAB PLAN & DETAILS

August 09, 2021 3:45pm chunyate
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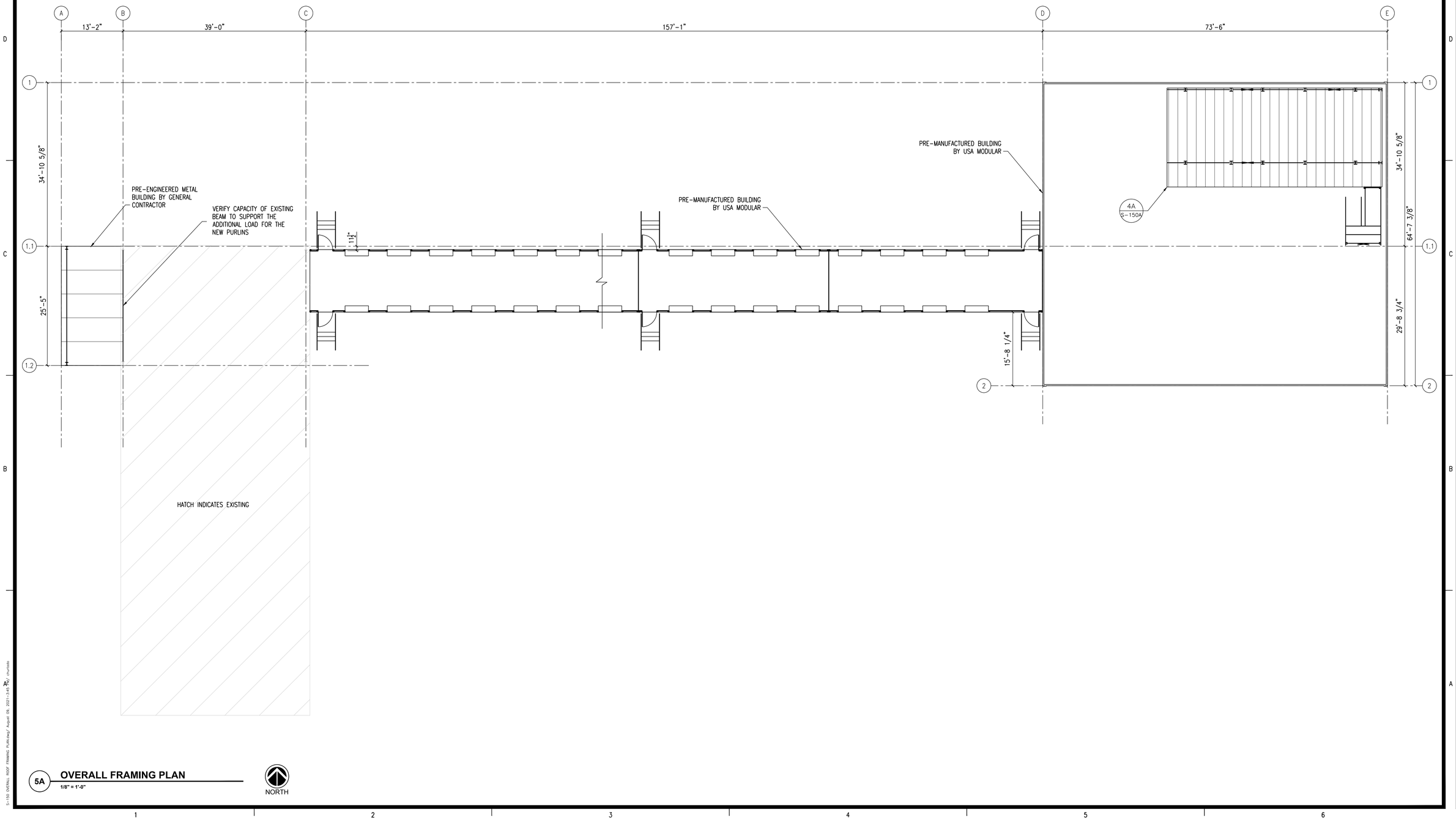

5A **OVERALL FRAMING PLAN**
1/8" = 1'-0"

NORTH

S-150 OVERALL ROOF FRAMING PLAN.dwg/ August 09, 2021-3:43 PM/ churbbs

REVISIONS:

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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: CHT
DESIGNER: YAS
CHECKED BY: YAS

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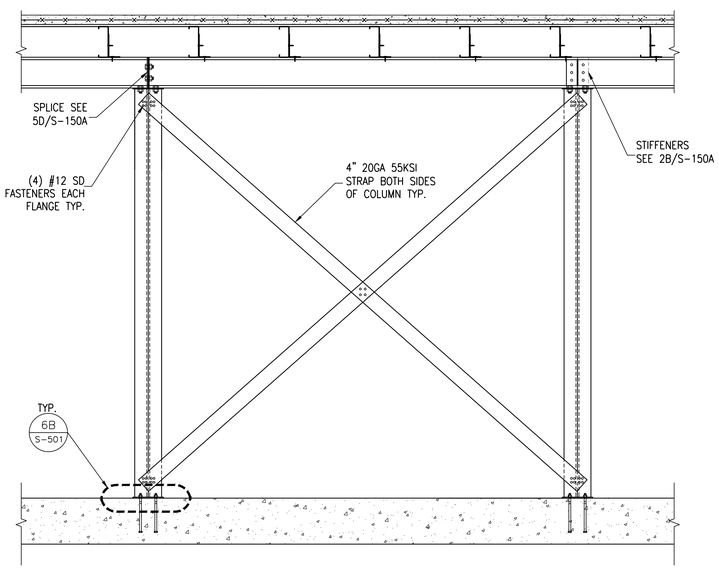
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

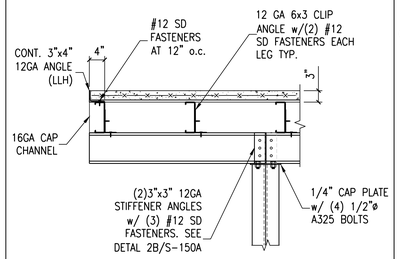
SEAL:
YOUSEF A. SALEH
LICENSE
NO. 80716
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/09/2021

SHEET NUMBER:
S-150

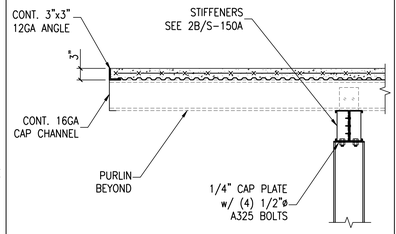
DESCRIPTION:
OVERALL FRAMING PLAN



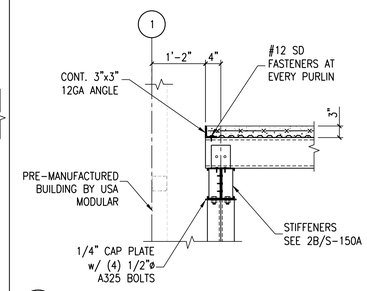
1D ELEVATION AT MEZZANINE BRACING 3/4"=1'-0" S-DET060



3E DETAIL 3/4"=1'-0" S-DET059



4E DETAIL 3/4"=1'-0" S-DET056



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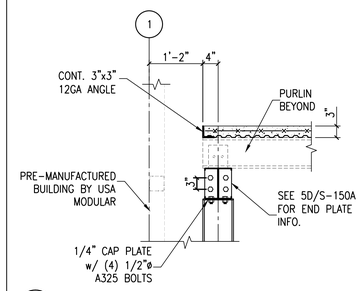

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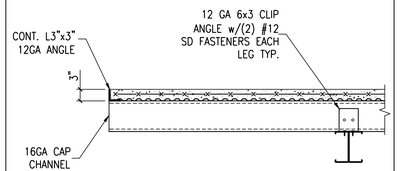

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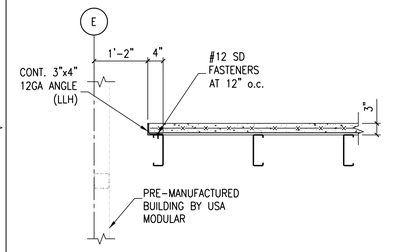
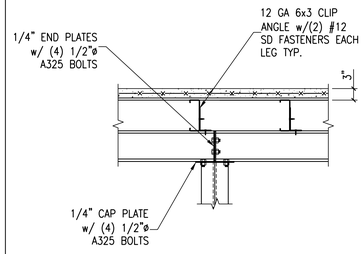
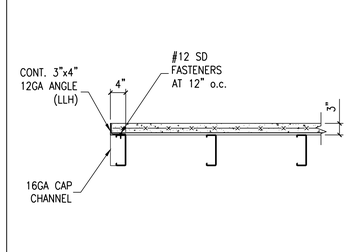


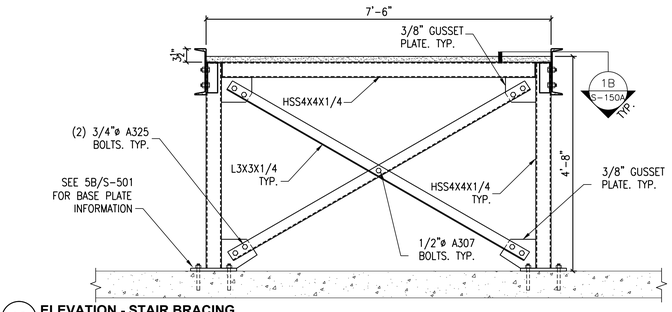
4D MEZZ. EDGE DETAIL 3/4"=1'-0" S-DET055



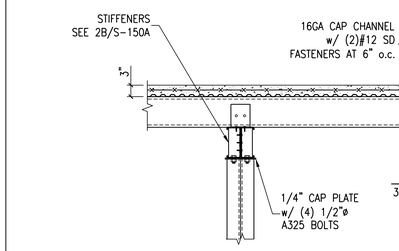
5D DETAIL - SPLICE AT BEAMS 3/4"=1'-0" S-DET053



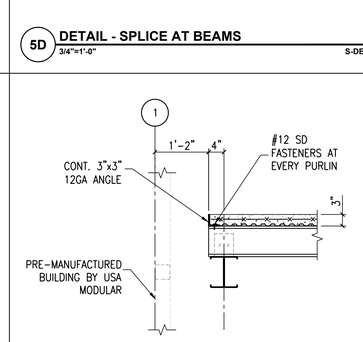
6D MEZZ. EDGE DETAIL 3/4"=1'-0" S-DET050



1C ELEVATION - STAIR BRACING 3/4"=1'-0" S-DET414



3C DETAIL 3/4"=1'-0" S-DET057



5C DETAIL 3/4"=1'-0" S-DET052

MEZZANINE FLOOR NOTES

1. FLOOR CONSTRUCTION

LIGHT WEIGHT CONCRETE ON 9/16" – 26 GAGE METAL FORM DECK ON LIGHT GAGE CHANNELS. TOTAL DEPTH IS 3 INCHES. REINFORCE SLAB w/ 6x6xW2.9xW2.9 W.W.F.

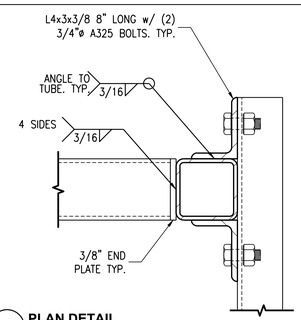
2. LIGHT WEIGHT CONCRETE SHALL BE 118 PCF MAXIMUM.

3. SEE LOADS IN SHEET S-001

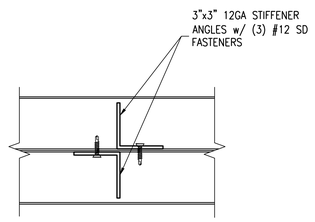
4. TOP OF MEZZANINE FLOOR ELEVATION 110'-6".

5. SEE SHEET S-150B FOR MEZZANINE SLAB PLAN AND DETAILS.

6. DECK ATTACHMENT: FASTEN TO JOIST AND PERIMETER STRUCTURAL STEEL MEMBERS USING 36/7 PATTERN AT END LAPS AND (2) SIDE LAP FASTENERS PER SPAN EQUALLY SPACED.



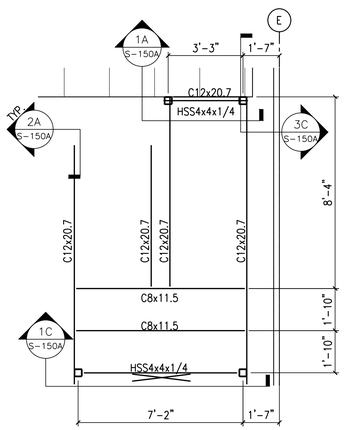
1B PLAN DETAIL 3"=1'-0" S-DET415



2B PLAN DETAIL - STIFFENERS AT BEAM 3"=1'-0" S-DET061

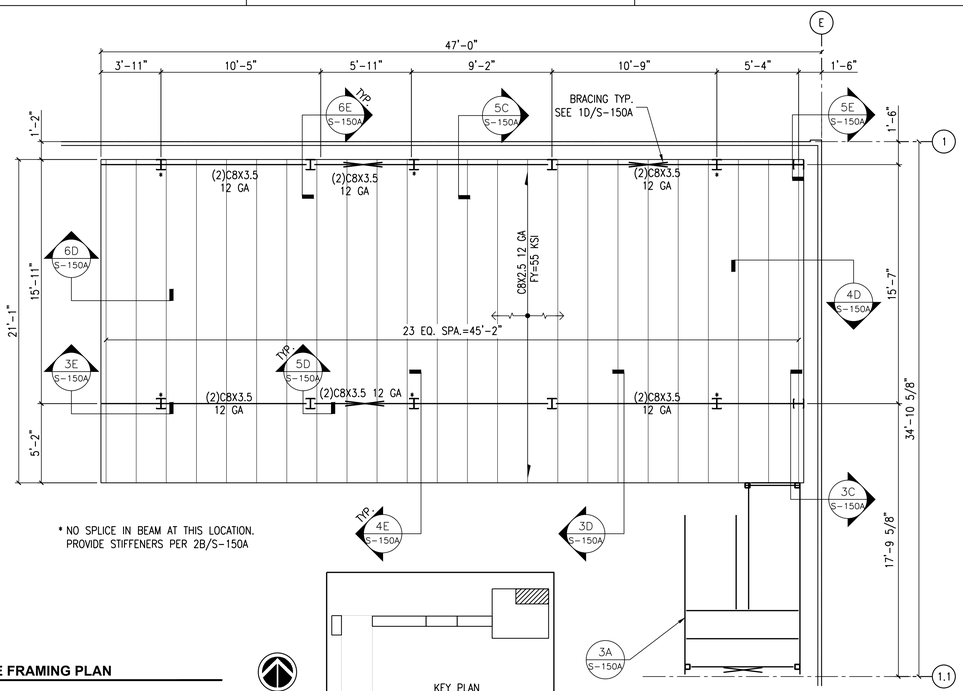
COORDINATE STAIRS DIMENSIONS AND LOCATION WITH ARCHITECTURAL DRAWINGS.

SEE DETAIL 5B/S-501 FOR STAIRS COLUMNS BASE PLATE CONNECTION



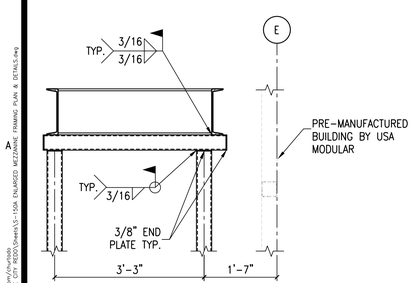
3A STAIRS PLAN 3/8" = 1'-0"

NORTH

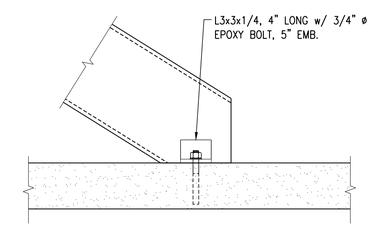


4A MEZZANINE FRAMING PLAN 1/4" = 1'-0"

NORTH



1A DETAIL 3/4"=1'-0" S-DET412



2A STAIR DETAIL 1 1/2"=1'-0" S-DET091A

Revit 19, 2021, F:\Revit Projects\P\26197\00\CAD-LAKE CITY REVIT\Sheets\S-150A ENLARGED MEZZANINE FRAMING PLAN & DETAILS.dwg

REVISIONS:

1		
2		
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5		

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	CHT
DESIGNER:	CHT
CHECKED BY:	YAS

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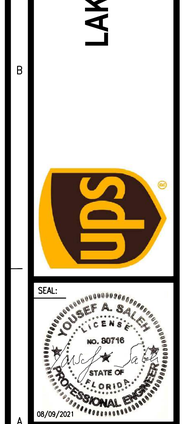
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:



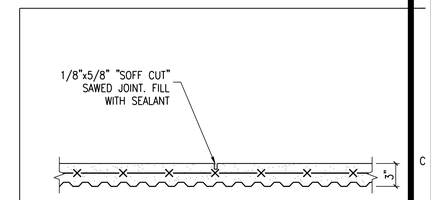
08/09/2021

SHEET NUMBER:

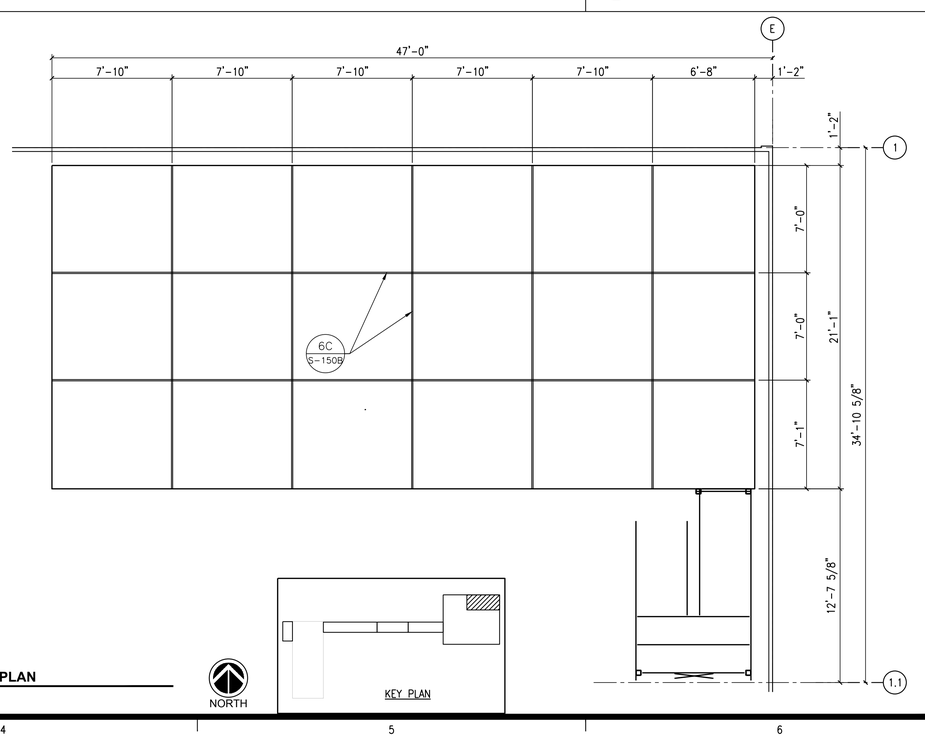
S-150A

DESCRIPTION:

ENLARGED MEZZANINE FRAMING PLAN & DETAILS



6C **MEZZANINE SLAB - CONTROL JOINT DETAIL**
1 1/2"=1'-0" S-DET084



4A **MEZZANINE SLAB PLAN**
1/4" = 1'-0"

NORTH

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: CHT
DESIGNER: CHT
CHECKED BY: YAS

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PROFESSIONAL ENGINEER
08/09/2021

SHEET NUMBER:
S-150B

DESCRIPTION:
ENLARGED MEZZANINE SLAB PLAN & DETAILS

August 09, 2021 3:43pm chunnam
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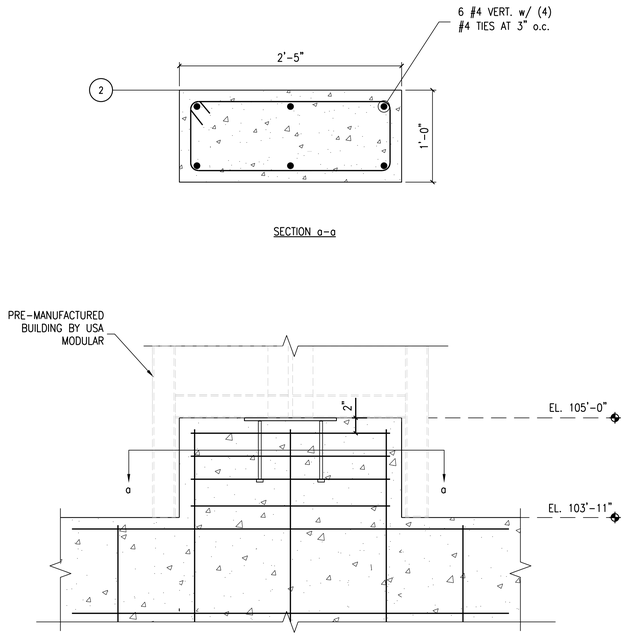
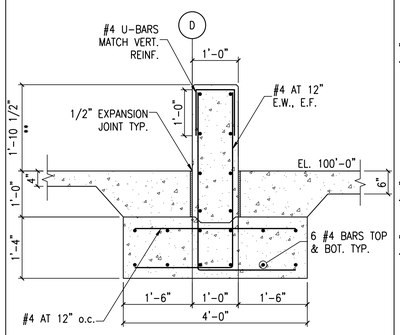


1D ELEVATION - STEM WALL AT LOADING DOCKS
1-1/2"=1'-0" S-DET021

** COORDINATE DIMENSION WITH USA MODULAR



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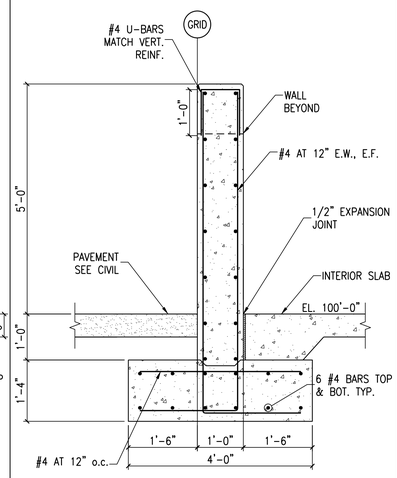
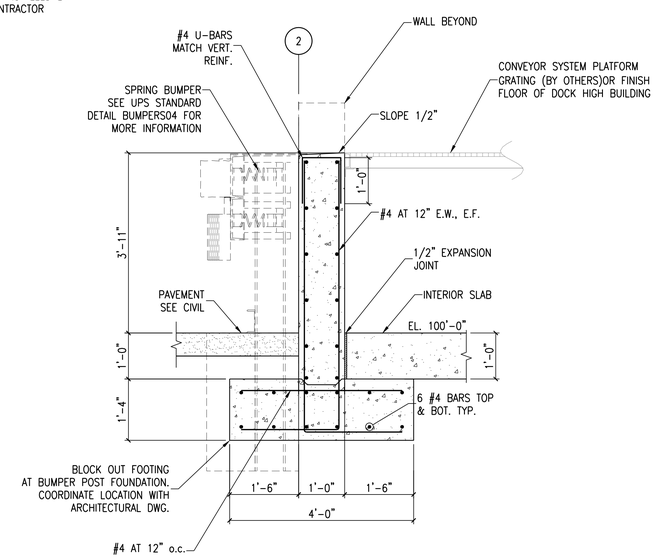
3/4"=1'-0" S-DET019

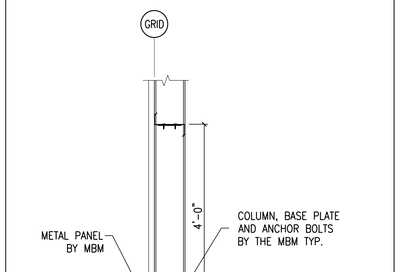


4D STEM WALL SECTION
3/4"=1'-0" S-DET041

SPRING BUMPER PROVIDED BY UPS AND INSTALLED BY GENERAL CONTRACTOR

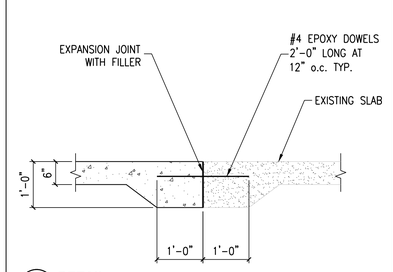


5D WALL SECTION AT LOADING DOCKS
3/4"=1'-0" S-DET042

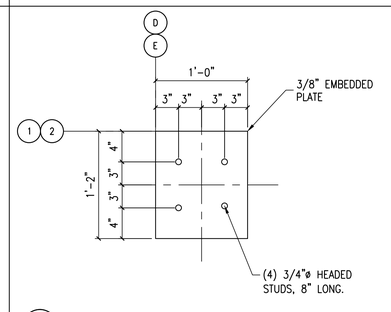


2B DETAIL
3/4"=1'-0" S-DET037

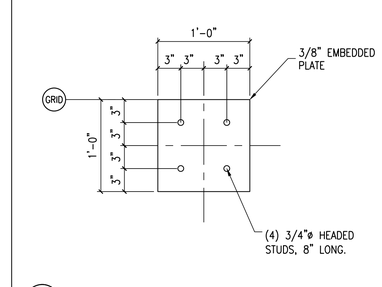
3B DETAIL
3/4"=1'-0" S-DET038



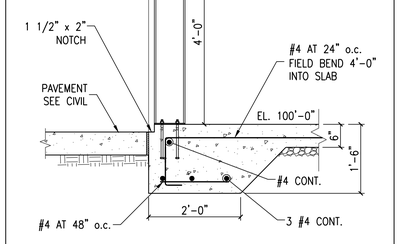
4C DETAIL
3/4"=1'-0" S-DET015



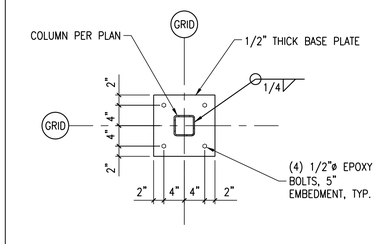
5C PRE-MFD. BLDG. BASE PLATE AT CORNER
1-1/2"=1'-0" S-DET012



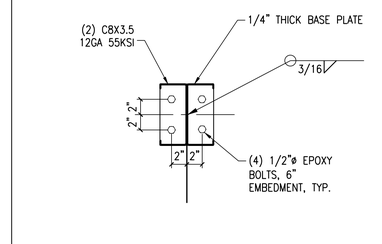
6C PRE-MFD. BLDG. INTERIOR BASE PLATE
1-1/2"=1'-0" S-DET013



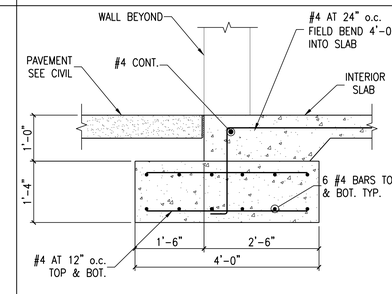
4B DETAIL
3/4"=1'-0" S-DET081



5B BASE PLATE DETAIL AT TUBE COLUMNS
1"=1'-0" S-DET409



6B BASE PLATE DETAIL AT COLUMNS
1-1/2"=1'-0" S-DET036



6A SECTION AT BOTTOM OF OPENING AT DOOR
3/4"=1'-0" S-DET043

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PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	CHT
DESIGNER:	CHT
CHECKED BY:	YAS

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

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PROFESSIONAL ENGINEER
08/09/2021

SHEET NUMBER:
S-501

DESCRIPTION:
FOUNDATION DETAILS

August 09, 2021 - 8:40pm Johnson
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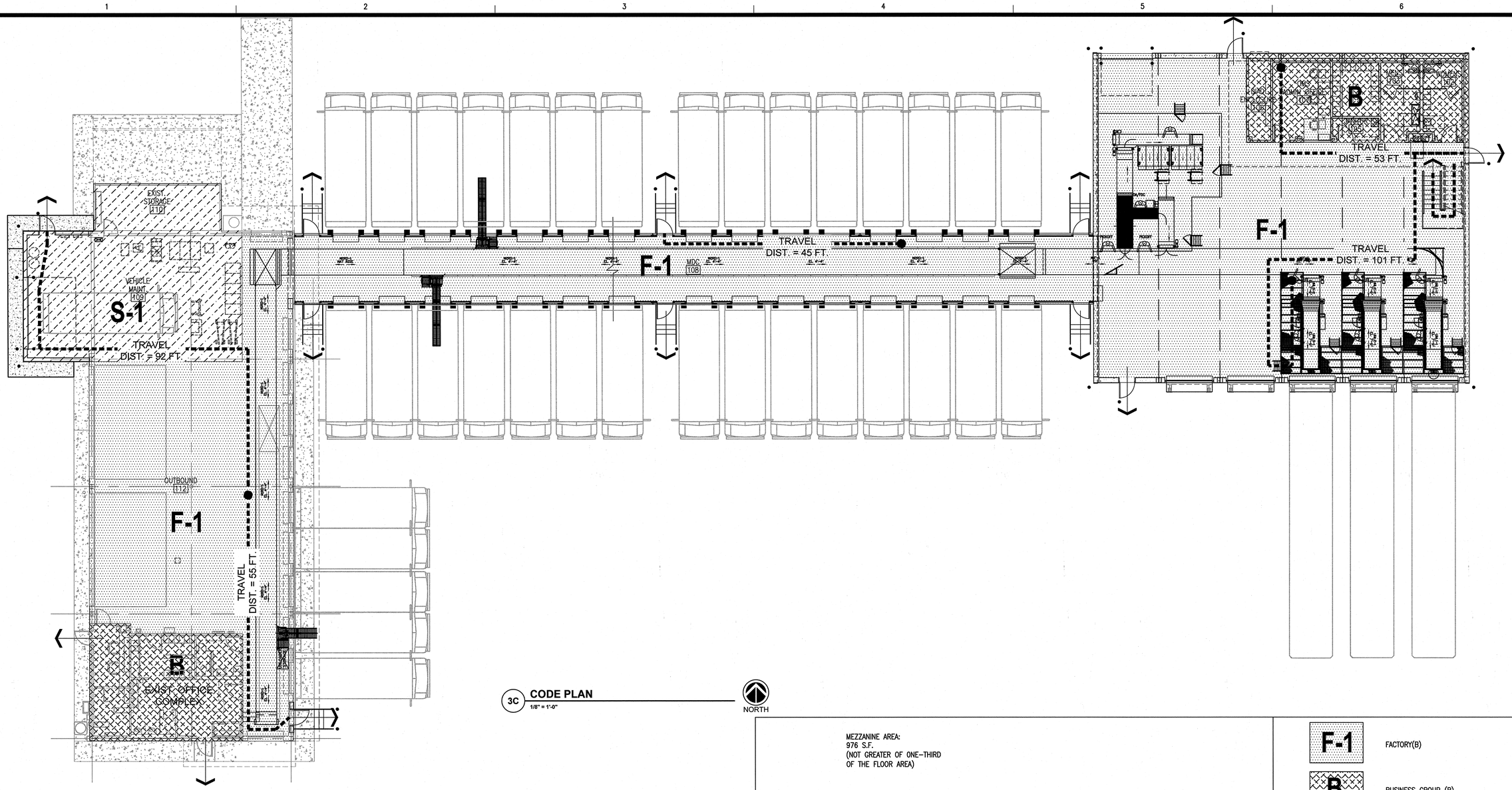


3C **CODE PLAN**
1/8" = 1'-0"

NORTH

APPLICABLE CODES

2020 Florida Building Code–Building(7th Edition)
2020 Florida Building Code–Existing Building(7th Edition)
2020 Florida Building Code–Test Protocols for High–Velocity Hurricane Zones
2020 Florida Building Code–Plumbing(7th Edition)
2020 Florida Building Code–Mechanical(7th Edition)
2020 Florida Building Code–Energy Conservation(7th Edition)
2020 Florida Building Code–Fuel Gas(7th Edition)
2020 Florida Building Code–Accessibility(7th Edition)
2020 National Electrical Code
2020 Florida Fire Prevention Code(7th Edition)

OCCUPANCY SUMMARY

(See Table 1004.5–FBC) Maximum Floor Area Allowances Per Occupant

Function of Space	Area S.F.	Occ Load Factor	Occ Load
Warehouse (F–1)	8,706	300	30
Business Group (B)	1,382	150	10
Storage Group (S–1)	1,328	300	5
TOTALS	11,416		45

MIN. NUMBER OF REQUIRED PLUMBING FIXTURES

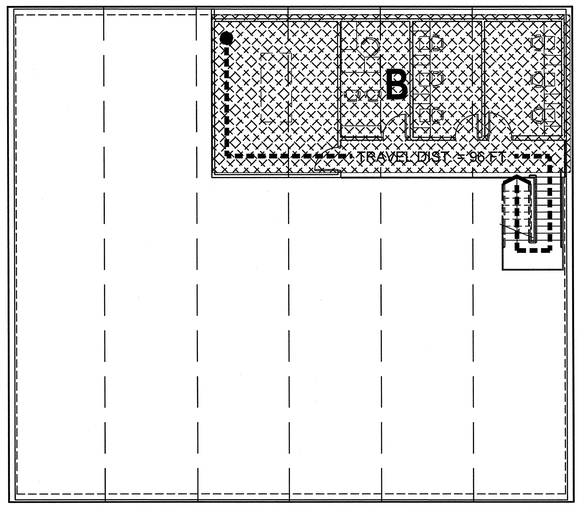
(Table 403.1 – FPC 2017)

	WC M/F	Lav M/F	Fountains	Other
Group F–1 (30 occ)	1	1	1	1 svc sink
Group B (10 occ)	2	2	1	1 svc sink
Group S–1 (5 occ)	1	1	1	1 svc sink
TOTALS Required	4	4	3	3 svc sink
Actual Fixt Provided:	7	6	3	1 svc sink

CONSTRUCTION TYPE AND REQUIREMENTS

Type of Construction (Table 601–FBC 2020)	Type III B (Existing Office Complex is framed w/wood studs)
Allowable Area Factor: (Table 506.2–FBC 2020)	19,000 SF(B),17,500 SF(S–1), 12,000 SF(F–1) Actual Area:1,382 SF(B)+1,328 SF(S–1)+8,706 SF(F–1)
Actual Total Area:	11,416 Sq. Ft.
Allowable Stories: (Table 504.4–FBC 2020)	Three(B),Two(S–1) Mezzanine: 976 SF (<⅓ of ground floor)
Actual Stories:	One
Allowable Height: (Table 504.3a–FBC 2020)	55'–0"
Actual Height:	24'–0"
Required Separation of Occupancies (508.4–FBC 2020)	None required
Required Exterior Wall Fire Rating	None
Reference 2020 FBC Table 602	
Maximum Travel Distance: (Table 1017.2 – FBC 2020)	200 ft Without sprinkler system
Actual Travel Distance:	Less than 200 feet, see plan
Egress Width Required: (1005.3.2 – FBC 2020)	9" (45 occupants x 0.2"/occupant)=9"
Actual Egress Width:	416"
Stairways serving an occupant load of less than 50 shall have a width of no less than 36 inches	Mezzanine area=951 sq. ft/150(Occ. Load Factor)=7 (1011.2–IBC 2020)
Minimum Number of Exits Required: (Table 1006.3.2 – FBC 2020)	2 (1–500) Occupant Load per Story
Actual Exits Provided:	13

MEZZANINE AREA:
976 S.F.
(NOT GREATER OF ONE–THIRD OF THE FLOOR AREA)



4A **CODE PLAN - MEZZANINE**
1/8" = 1'-0"

NORTH

F-1 FACTORY(B)

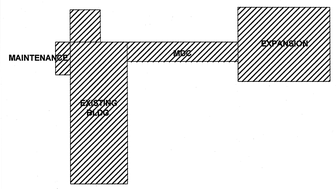
B BUSINESS GROUP (B)

S-1 STORAGE GROUP (S–1)

TRAVEL DISTANCE TRAVEL PATH

EGRESS

6B **CODE PLAN LEGEND**
N.T.S.



6A **KEY PLAN**

NORTH

REVISIONS:

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	RC
DESIGNER:	RC
CHECKED BY:	TMO

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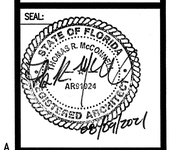
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:



SHEET NUMBER:

A-110

DESCRIPTION:
CODE PLAN

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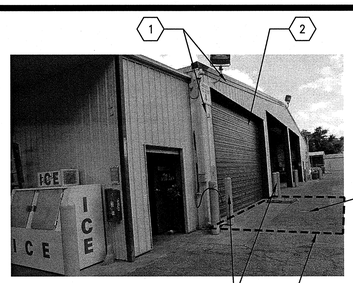
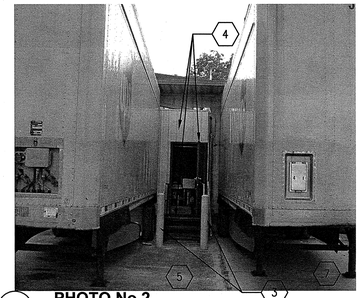
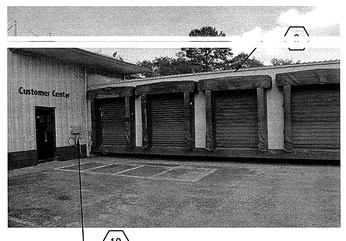


2E **PHOTO No.1**
N.T.S.

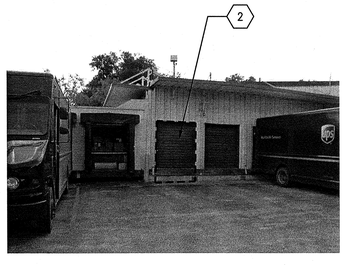


2D **PHOTO No.2**
N.T.S.

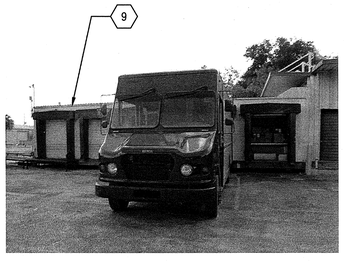
2C **PHOTO No.3**
N.T.S.



2B **PHOTO No.4**
N.T.S.



1A **PHOTO No.6**
N.T.S.



2A **PHOTO No.5**
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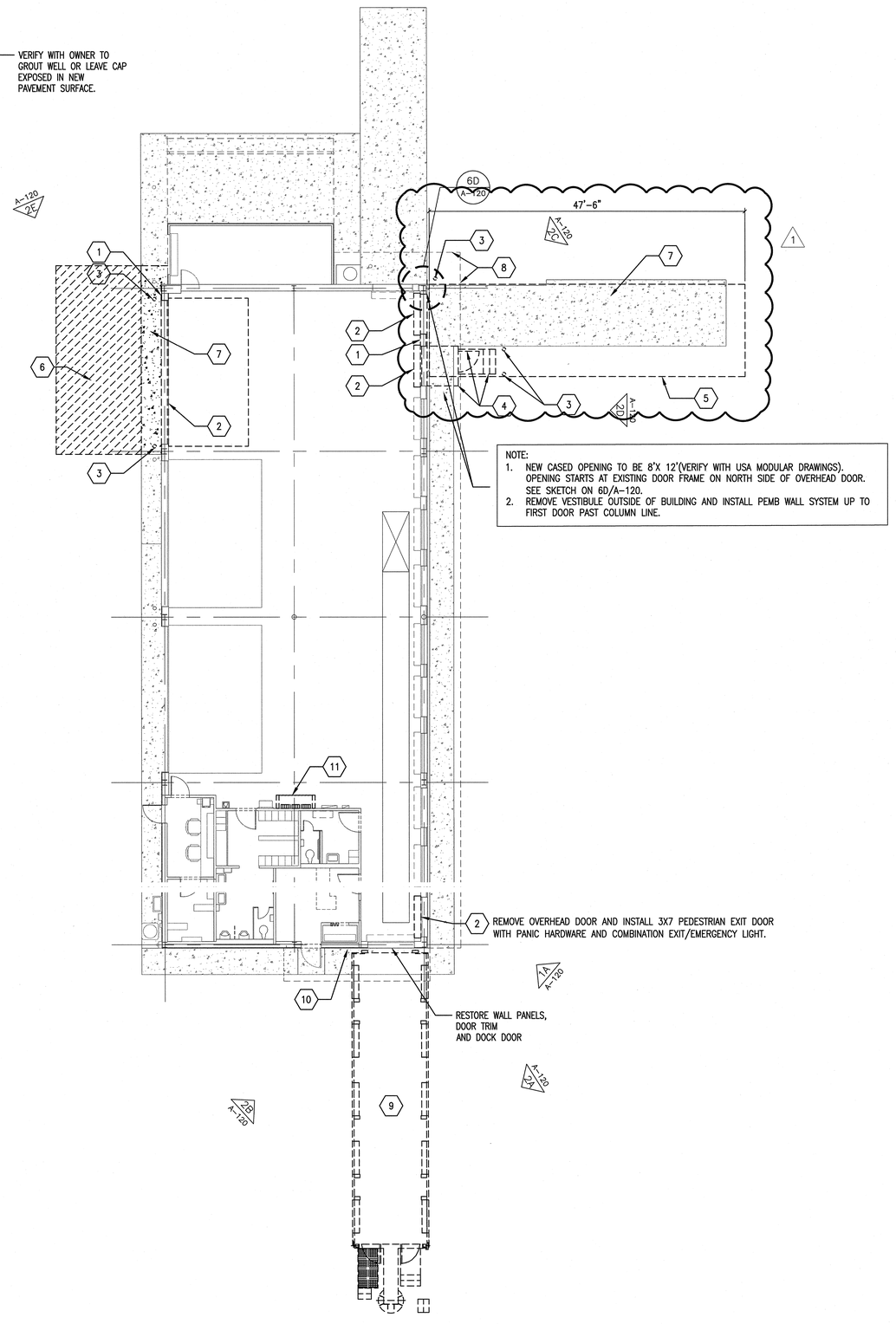
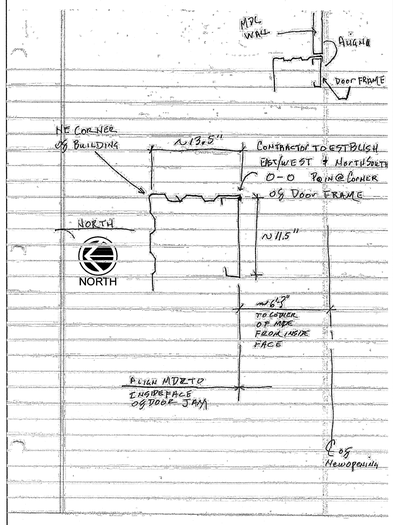


NOTE:
1. NEW CASED OPENING TO BE 8'X 12'(VERIFY WITH USA MODULAR DRAWINGS). OPENING STARTS AT EXISTING DOOR FRAME ON NORTH SIDE OF OVERHEAD DOOR. SEE SKETCH ON 6D/A-120.
2. REMOVE VESTIBULE OUTSIDE OF BUILDING AND INSTALL PEMB WALL SYSTEM UP TO FIRST DOOR PAST COLUMN LINE.

3A **DEMOLITION FLOOR PLAN**
1/8" = 1'-0"

NORTH

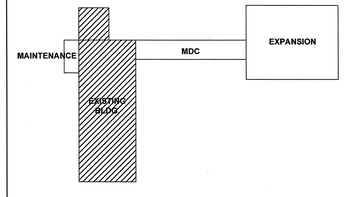


6D **EXISTING CORNER SKETCH**
N.T.S.

DEMOLITION NOTES

1. DEMO EXTERIOR METAL WALL AND ITS COMPONENTS.
2. DEMO OVERHEAD DOOR.
4. DEMO WALL, DOOR AND STAIR.
5. DEMO ASPHALT PAVEMENT AS REQUIRED FOR MDC BUILDING.
6. DEMO ASPHALT PAVEMENT AS REQUIRED FOR EXPANSION.
7. DEMO CONCRETE APRON AS REQUIRED FOR EXPANSION.
8. DEMO ROOF CANOPY AS REQUIRED TO FIT MDC BUILDING UNDERNEATH.
9. AFTER REMOVAL OF PDC TRAILER BY OWNER, G.C. TO RESTORE WALL PANELS, DOOR TRIM AND DOCK DOOR OPENING TO 22.5" A.F.F..
10. REMOVE ELECTRICAL PANELS, CONDUITS AND ALL COMPONENTS.
11. DEMO DIAD SHELTER. (PHASE-2)

A-120 / 1A PHOTO INDICATOR



6A **KEY PLAN**
NORTH

REVISIONS:		
1	10/27/21	ADDENDUM#2

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
(901) 260-3500

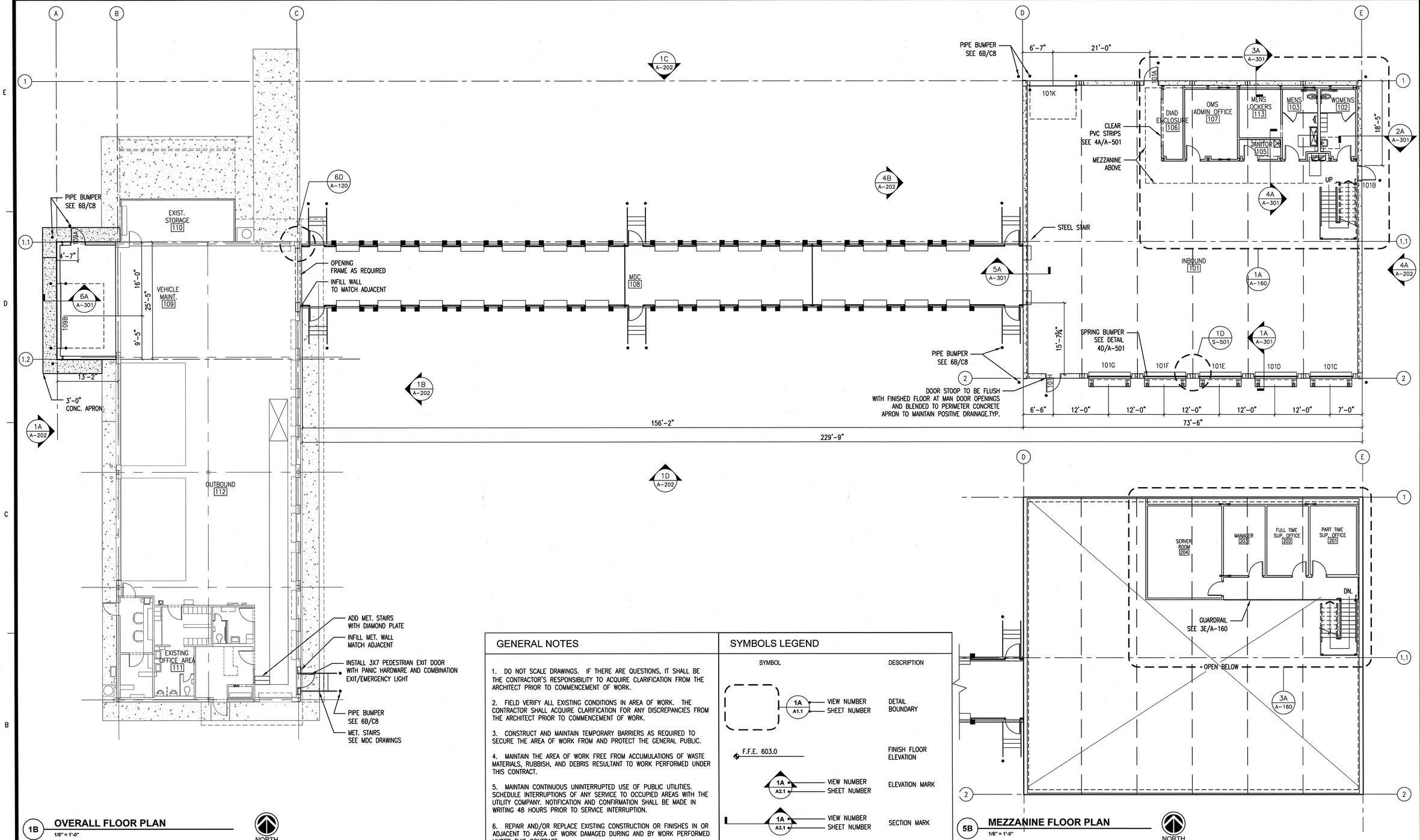
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
STATE OF FLORIDA
THOMAS R. McCORMICK
AR 0018
REGISTERED ARCHITECT
10/27/2021

SHEET NUMBER:
A-120
SCALE

DESCRIPTION:
DEMOLITION FLOOR PLAN

05-091-A-120.dwg/ October 25, 2021-10:02 AM/ MCARDENAS



1B OVERALL FLOOR PLAN

1/8" = 1'-0"

NORTH

5B MEZZANINE FLOOR PLAN

1/8" = 1'-0"

NORTH

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. IF THERE ARE QUESTIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

2. FIELD VERIFY ALL EXISTING CONDITIONS IN AREA OF WORK. THE CONTRACTOR SHALL ACQUIRE CLARIFICATION FOR ANY DISCREPANCIES FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

3. CONSTRUCT AND MAINTAIN TEMPORARY BARRIERS AS REQUIRED TO SECURE THE AREA OF WORK FROM AND PROTECT THE GENERAL PUBLIC.

4. MAINTAIN THE AREA OF WORK FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH, AND DEBRIS RESULTANT TO WORK PERFORMED UNDER THIS CONTRACT.

5. MAINTAIN CONTINUOUS UNINTERRUPTED USE OF PUBLIC UTILITIES. SCHEDULE INTERRUPTIONS OF ANY SERVICE TO OCCUPIED AREAS WITH THE UTILITY COMPANY. NOTIFICATION AND CONFIRMATION SHALL BE MADE IN WRITING 48 HOURS PRIOR TO SERVICE INTERRUPTION.

6. REPAIR AND/OR REPLACE EXISTING CONSTRUCTION OR FINISHES IN OR ADJACENT TO AREA OF WORK DAMAGED DURING AND BY WORK PERFORMED UNDER THIS CONTRACT.

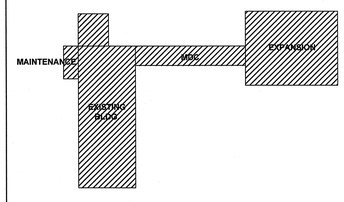
7. MAINTAIN ALL PENETRATIONS THROUGH FIRE RATED AND/OR SMOKE PARTITIONS IN A MANNER APPROVED BY LOCAL OFFICIALS.

8. MAINTAIN CONSTANT AND UNIMPEDED EGRESS AND EMERGENCY ROUTES IN AND AROUND AREA OF WORK. SCHEDULE ANY INTERRUPTIONS OF ACCESS TO EGRESS AND EXITING ROUTES WITH LOCAL OFFICIALS. NOTIFICATION AND CONFIRMATION SHALL BE MADE IN WRITING 48 HOURS PRIOR TO INTERRUPTION.

9. WORK UNDER THIS CONTRACT SHALL BE PERFORMED IN ACCORDANCE WITH ALL GOVERNING CODES AND LOCAL OFFICIALS.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
1A / A1.1 — VIEW NUMBER / SHEET NUMBER	DETAIL BOUNDARY
F.F.E. 603.0	FINISH FLOOR ELEVATION
1A / A2.1 — VIEW NUMBER / SHEET NUMBER	ELEVATION MARK
1A / A3.1 — VIEW NUMBER / SHEET NUMBER	SECTION MARK
1A / I6.1 — VIEW NUMBER / SHEET NUMBER	INTERIOR ELEVATION MARK
1	WINDOW TAG
100A	DOOR TAG
2A — WALL NUMBER	WALL TAG
2	KEY NOTE



6A KEY PLAN

NORTH

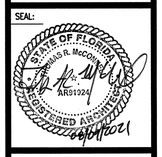
REVISIONS:

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	RC
DESIGNER:	RC
CHECKED BY:	TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

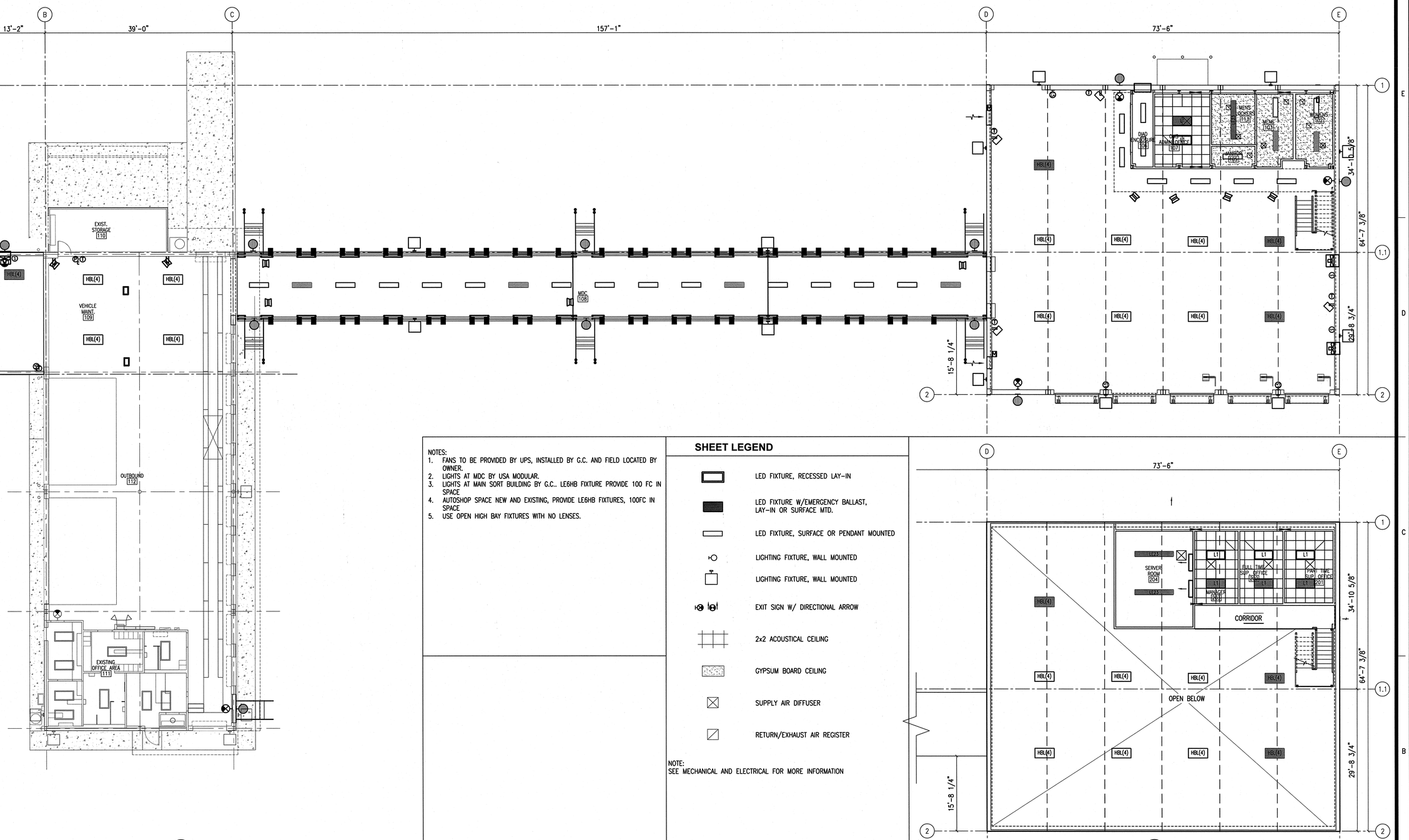


SHEET NUMBER:

A-130

DESCRIPTION:
OVERALL FLOOR PLAN

05-891-14-1.5Dwg/ August 09, 2021-1:51 PM/ rcordova



NOTES:
1. FANS TO BE PROVIDED BY UPS, INSTALLED BY G.C. AND FIELD LOCATED BY OWNER.
2. LIGHTS AT MDC BY USA MODULAR.
3. LIGHTS AT MAIN SORT BUILDING BY G.C.. LE6HB FIXTURE PROVIDE 100 FC IN SPACE
4. AUTOSHOP SPACE NEW AND EXISTING, PROVIDE LE6HB FIXTURES, 100FC IN SPACE
5. USE OPEN HIGH BAY FIXTURES WITH NO LENSES.

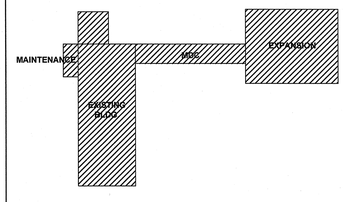
SHEET LEGEND

- LED FIXTURE, RECESSED LAY-IN
- LED FIXTURE W/EMERGENCY BALLAST, LAY-IN OR SURFACE MTD.
- LED FIXTURE, SURFACE OR PENDANT MOUNTED
- LIGHTING FIXTURE, WALL MOUNTED
- LIGHTING FIXTURE, WALL MOUNTED
- EXIT SIGN W/ DIRECTIONAL ARROW
- 2x2 ACOUSTICAL CEILING
- GYPSUM BOARD CEILING
- SUPPLY AIR DIFFUSER
- RETURN/EXHAUST AIR REGISTER

NOTE:
SEE MECHANICAL AND ELECTRICAL FOR MORE INFORMATION

1B **REFLECTED CEILING PLAN**
1/8" = 1'-0"

5B **REFLECTED CEILING MEZZANINE PLAN**
1/8" = 1'-0"



6A **KEY PLAN**

NORTH

REVISIONS:

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

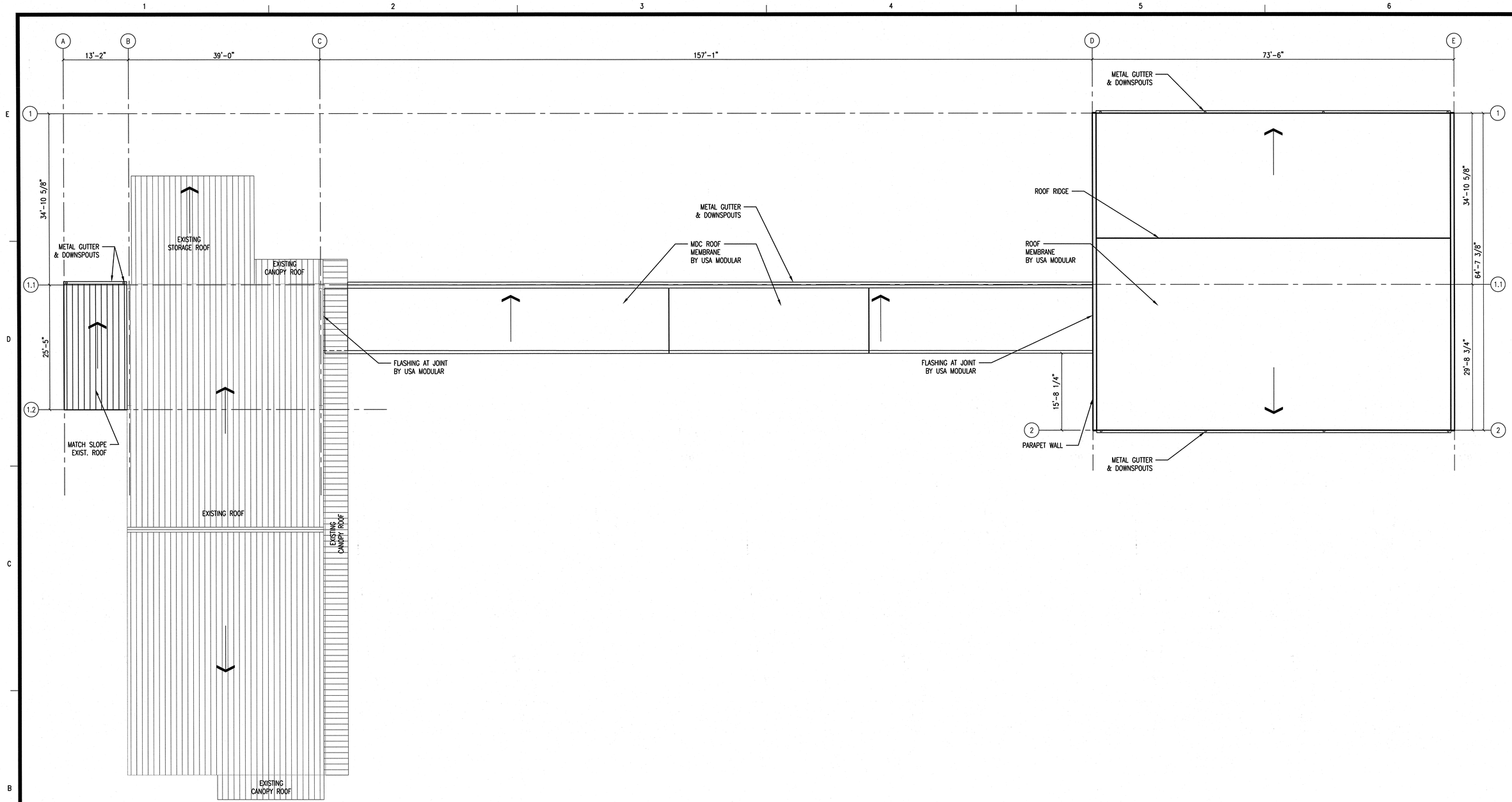
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
STATE OF FLORIDA
THOMAS R. McCOY
AR91924
REGISTERED ARCHITECT

SHEET NUMBER:
A-140

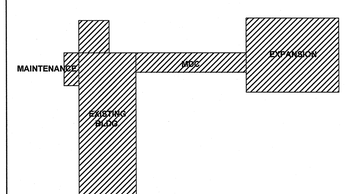
DESCRIPTION:
REFLECTED CEILING PLANS

D:\Bill-A-140.dwg/ August 09, 2021 - 1:35 PM / rcordova



1B **ROOF PLAN**
1/8" = 1'-0"

NORTH



6A **KEY PLAN**

NORTH

REVISIONS:

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

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Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

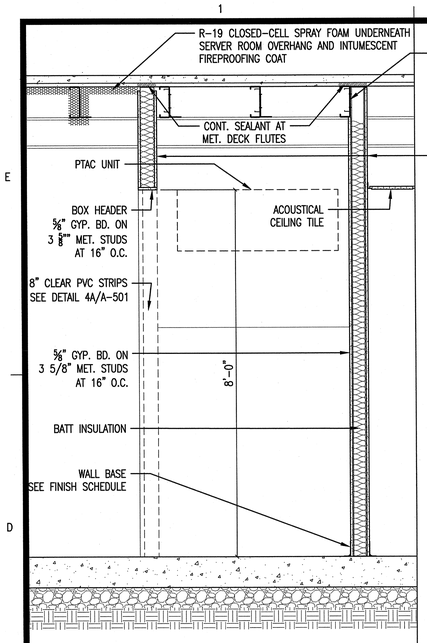
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

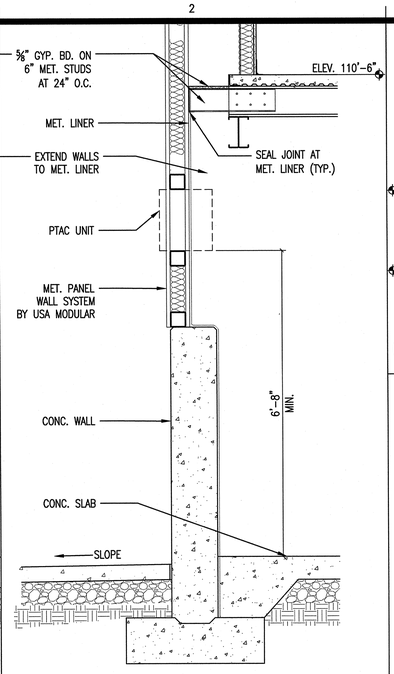
SHEET NUMBER:
A-150

DESCRIPTION:
ROOF PLAN

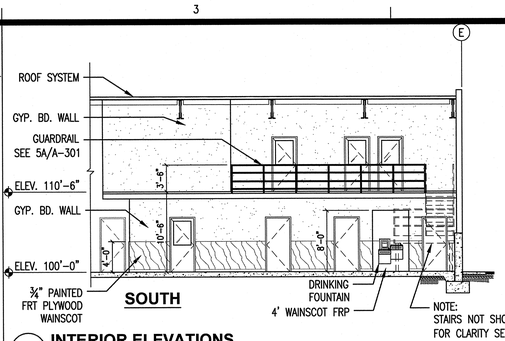
05-891-A-150.rvt/ August 09, 2021 - 1:35 PM/ rcordova



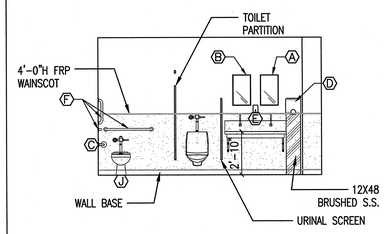
1D SECTION AT DIAD CABINET
3/4" = 1'-0"



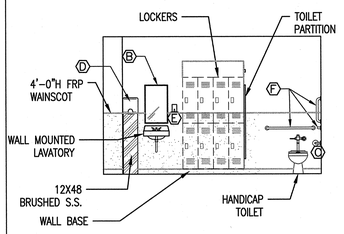
2D SECTION AT DIAD CABINET
3/4" = 1'-0"



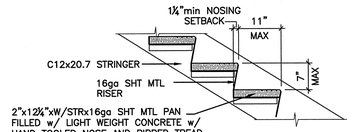
3E INTERIOR ELEVATIONS
1/8" = 1'-0"



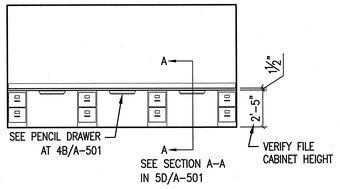
5E INTERIOR ELEVATION - MENS 103
1/4" = 1'-0"



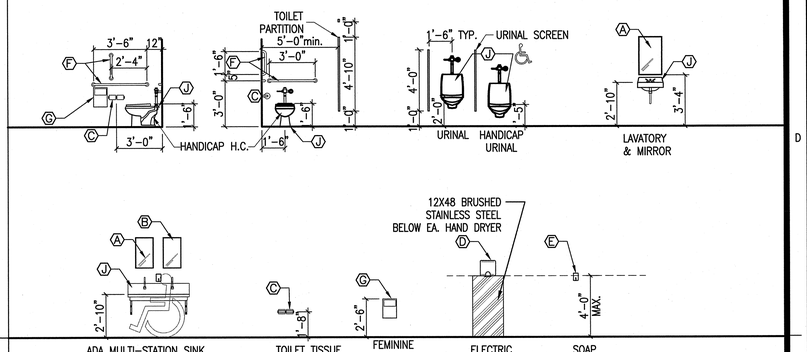
6E INTERIOR ELEVATION - WOMENS 102
1/4" = 1'-0"



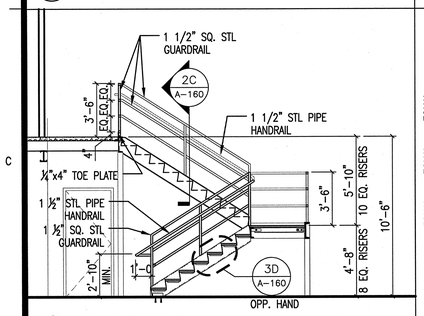
3D STAIR DETAIL
3/4" = 1'-0"



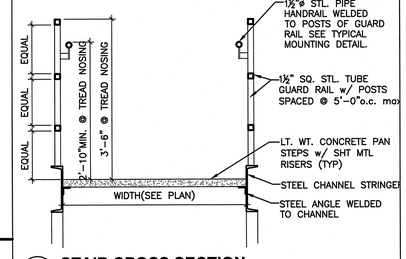
4D WORK STATION ELEVATION
1/4" = 1'-0"



5C RESTROOM ACCESSORIES
1/4" = 1'-0"



1C STAIR SECTION
1/4" = 1'-0"



2C STAIR CROSS SECTION
3/4" = 1'-0"

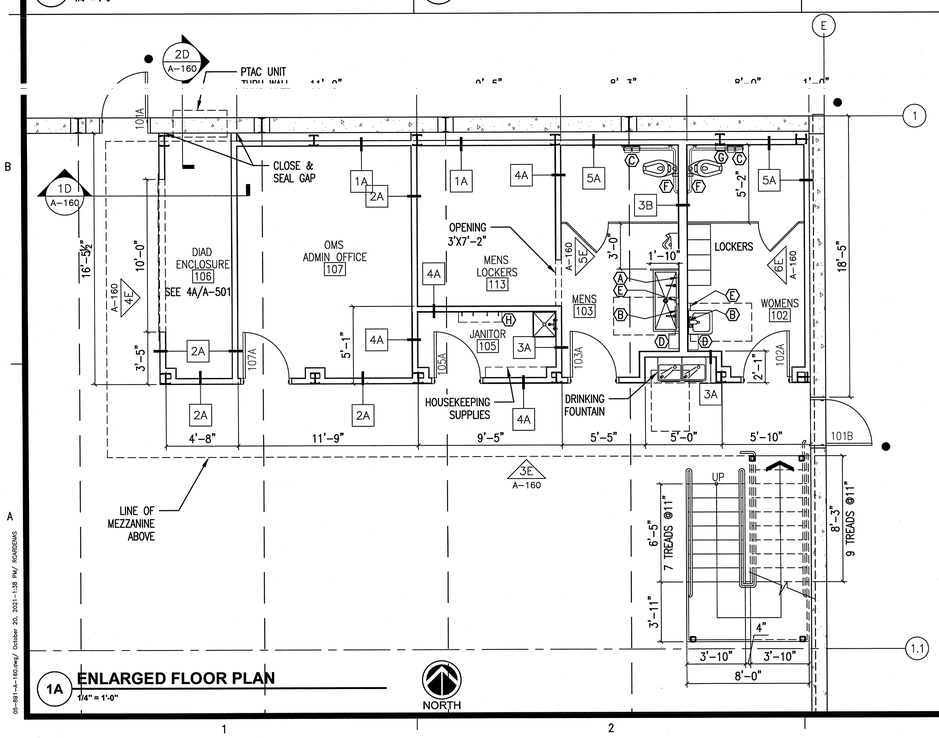
TOILET ACCESSORIES LEGEND

MARK	DESCRIPTION
A	MIRROR W/STAINLESS STEEL CHANNEL FRAME (B-165 SERIES)
B	TILT MIRROR W/STAINLESS STEEL FRAME (H.C.) B-165 SERIES
C	DOUBLE-ROLL TOILET TISSUE DISPENSER (B-686)
D	EXCEL DRYER HANDS-OFF XL-BW WHITE COVER HAND DRYER
E	SURFACE-MOUNTED SOAP DISPENSER (B-4112)
F	1 1/2" DIAM. STAINLESS STEEL GRAB BAR (B-6806 SERIES)
G	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL (B-270)
H	UTILITY SHELF WITH MOP/BROOM HOLDERS AND RAG HOOKS (B-239)
J	PLUMBING FIXTURE, SEE 5B/A-160 FOR DESCRIPTION OF EACH ONE

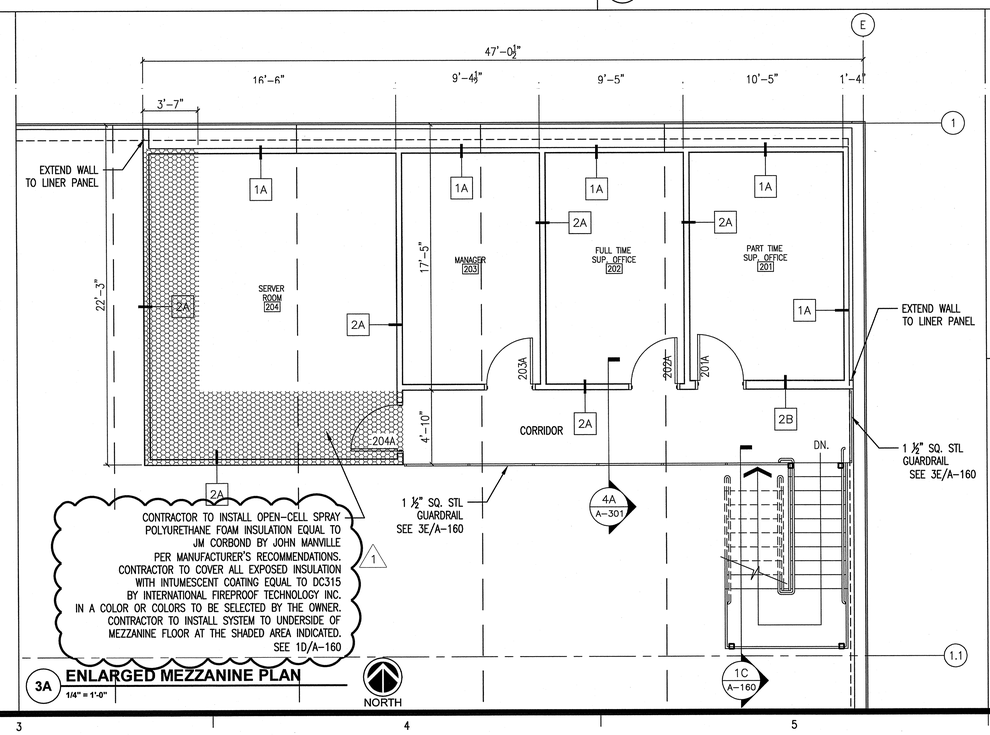
NOTES:
1. ALL ACCESORIES ARE SURFACE MOUNTED.
2. MODEL NUMBERS REFER TO BOBRICK, EXCEPT HAND DRYER BY XLERATOR.

UPS FURNISHED, CONTRACTOR INSTALLED TOILET ACCESSORIES:
1. TOILET TISSUE DISPENSER
2. SOAP DISPENSER
3. SANITARY NAPKIN DISPOSAL
4. MOP AND BROOM HOLDERS

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED TOILET ACCESSORIES:
1. GRAB BARS
2. MIRRORS AND FRAMES
3. EXCEL HANDS-OFF (XL-BW MODEL) HAND DRYERS

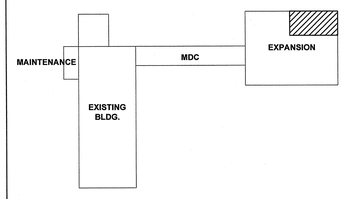


1A ENLARGED FLOOR PLAN
1/4" = 1'-0"



3A ENLARGED MEZZANINE PLAN
1/4" = 1'-0"

SEE SYMBOLS LEGEND IN A-130



6A KEY PLAN

NORTH

REVISIONS:		
A	10/21/21	ADDENDUM#1

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	RC
DESIGNER:	RC
CHECKED BY:	TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

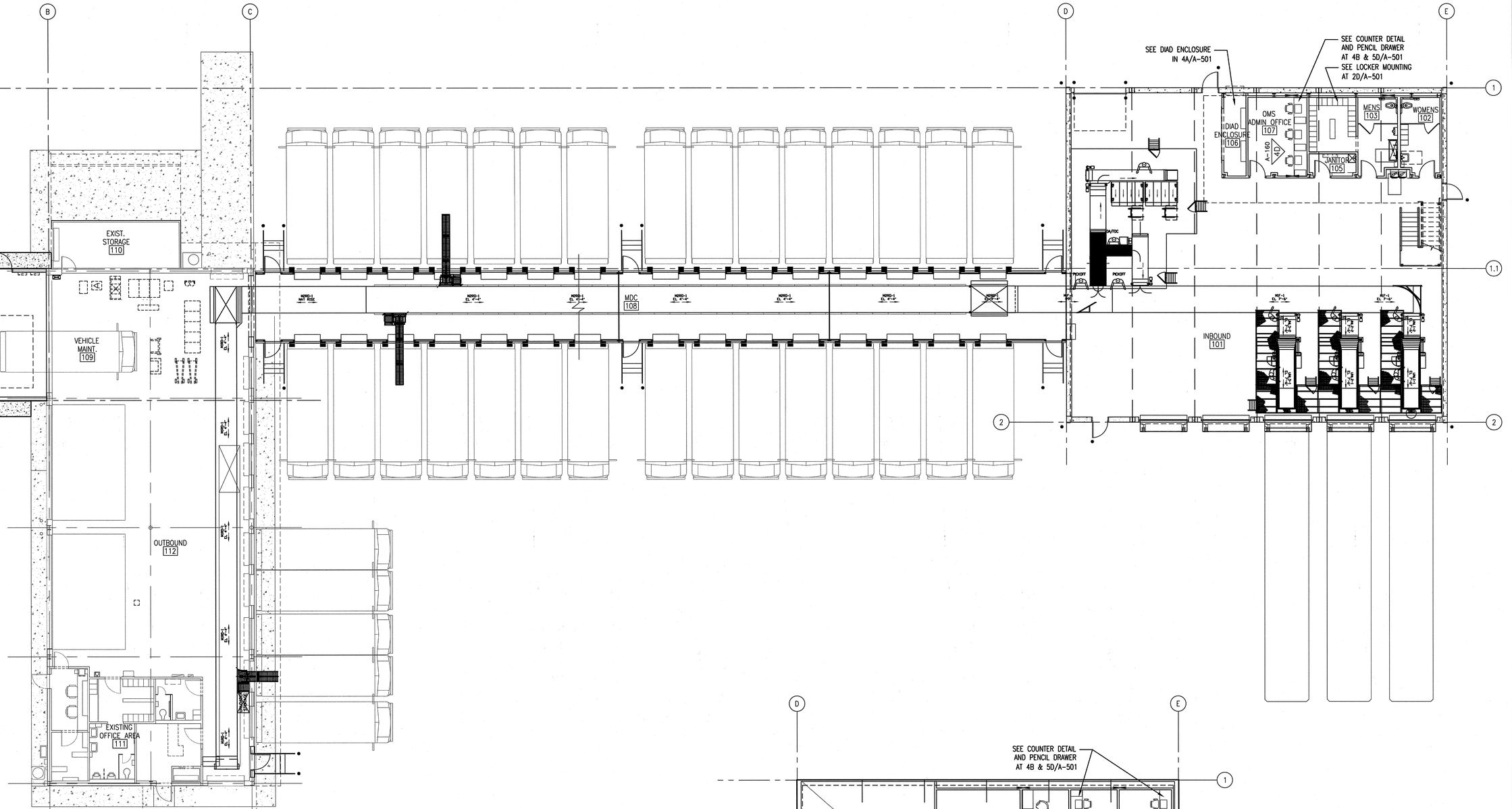
STATE OF FLORIDA — TIMOTHY K. MCCALL — AR 91924 — REGISTERED ARCHITECT — 10/21/2021

SHEET NUMBER:

A-160

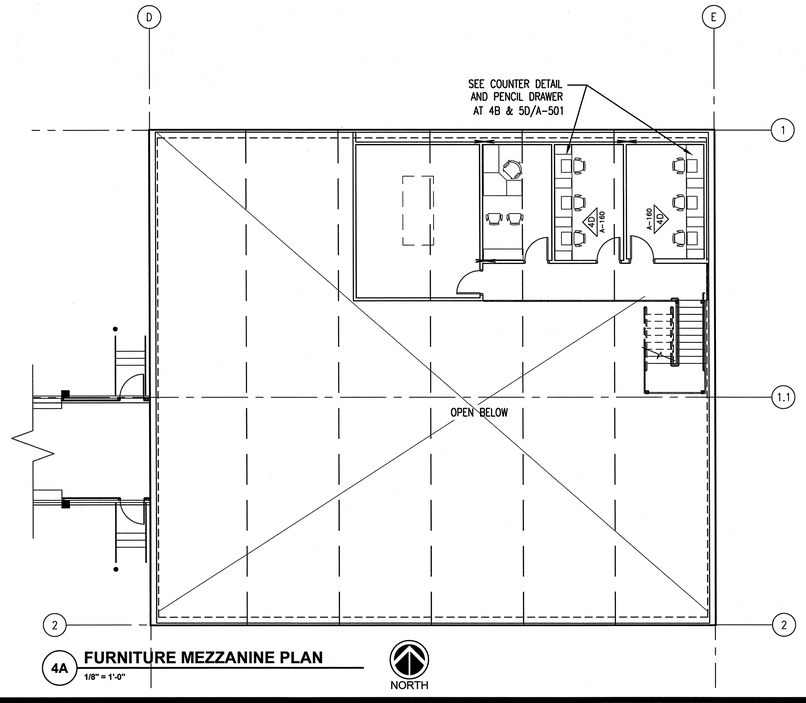
DESCRIPTION:
ENLARGED PLANS

05-891.x-160.dwg/ October 20, 2021-1:38 PM/ RCARSON



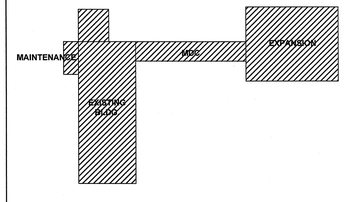
1A **FURNITURE & EQUIPMENT PLAN**
1/8" = 1'-0"

NORTH



4A **FURNITURE MEZZANINE PLAN**
1/8" = 1'-0"

NORTH



6A **KEY PLAN**

NORTH

REVISIONS:

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	RC
DESIGNER:	RC
CHECKED BY:	TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

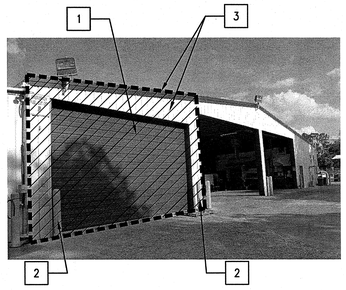
STATE OF FLORIDA
THOMAS R. McCOWN
AR91024
REGISTERED ARCHITECT
08/09/2021

SHEET NUMBER:

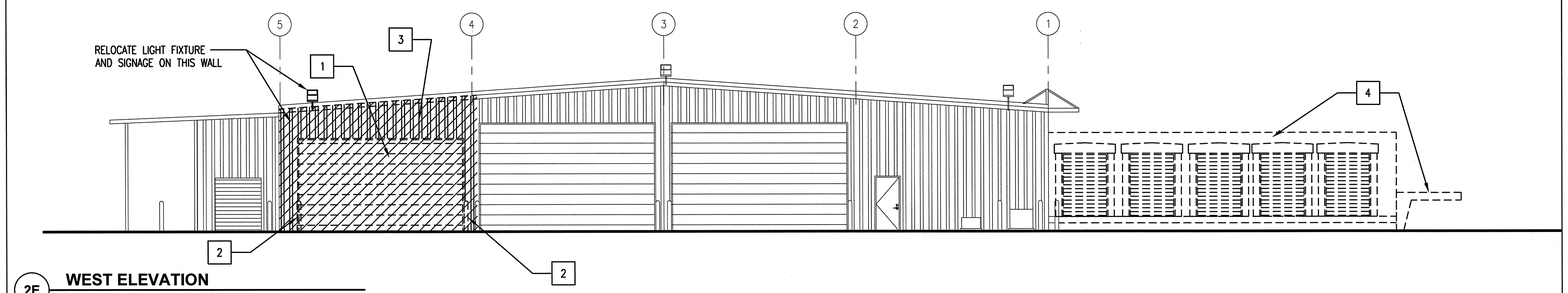
A-170

DESCRIPTION:
FURNITURE & EQUIPMENT PLAN

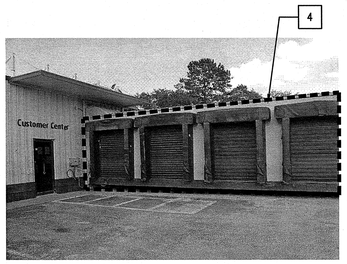
05-093-A-170.dwg / August 09, 2021 - 1:35 PM / rcardoza



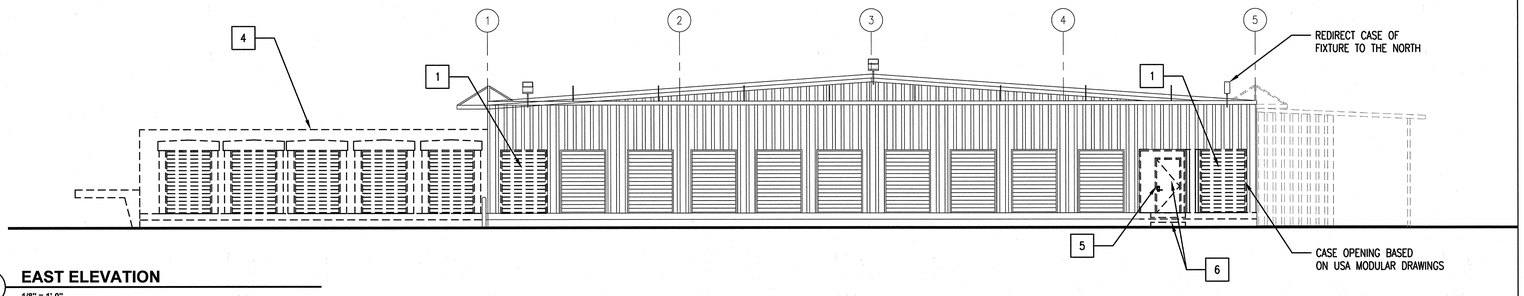
1E **PHOTO No.1**
N.T.S.



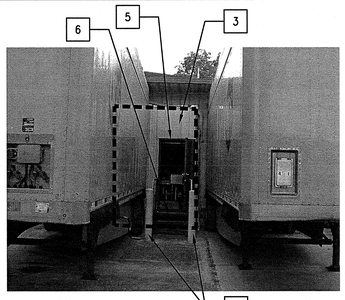
2E **WEST ELEVATION**
1/8" = 1'-0"



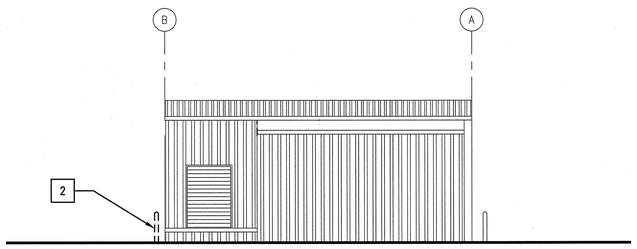
1D **PHOTO No.2**
N.T.S.



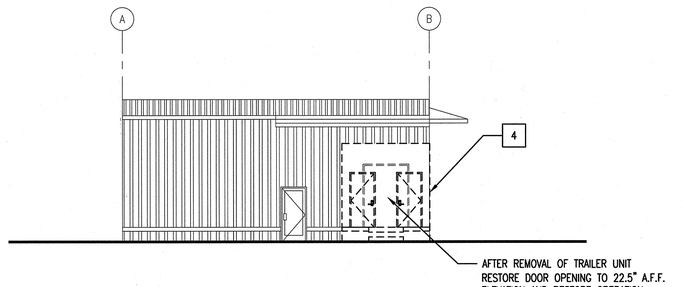
2D **EAST ELEVATION**
1/8" = 1'-0"



1C **PHOTO No.3**
N.T.S.



2C **NORTH ELEVATION**
1/8" = 1'-0"

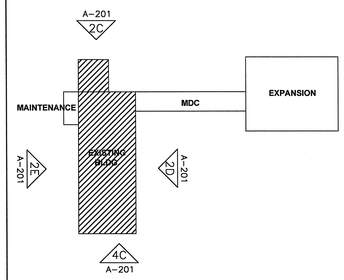


4C **SOUTH ELEVATION**
1/8" = 1'-0"

DEMOLITION NOTES

1. DEMO OVERHEAD DOOR.
2. DEMO CONCRETE FILLED TRUCK BUMPER AT DOOR OPENING.
3. DEMO METAL WALL PANEL AND COMPONENTS.
4. REMOVE MDC TRAILER AND COMPONENTS.
5. DEMO DOOR AND FRAME.
6. DEMO STAIRS AND COMPONENTS.

A-120 / 1A BUILDING ELEVATION



6A **KEY PLAN - ELEVATIONS**

NORTH

REVISIONS:

1		
2		
3		
4		
5		

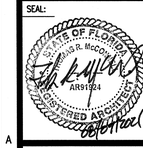
PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	RC
DESIGNER:	RC
CHECKED BY:	TMO

Pickering

Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

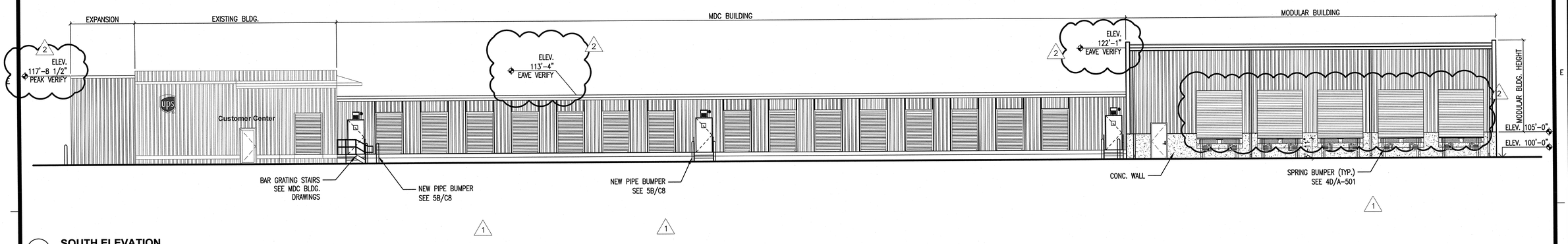


SHEET NUMBER:

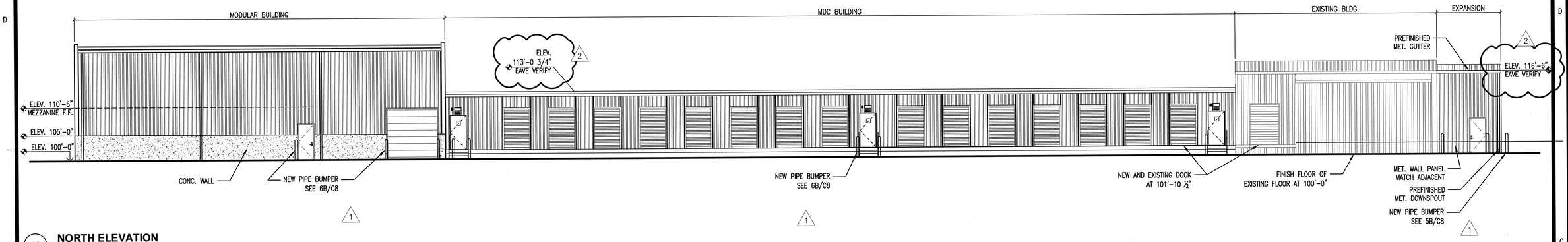
A-201

DESCRIPTION:
EXISTING-DEMO EXTERIOR ELEVATIONS

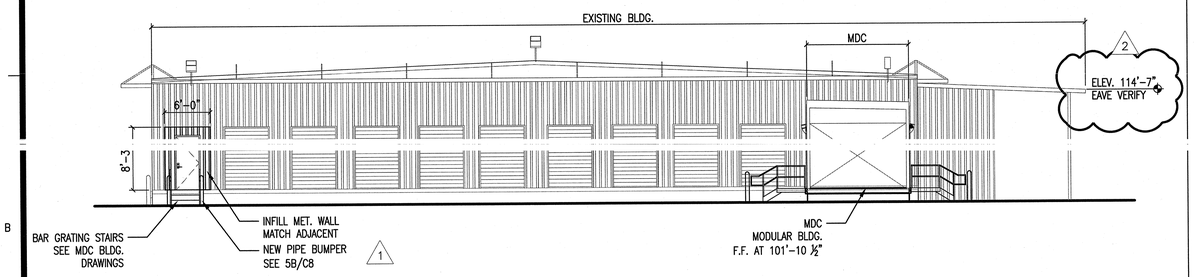
05-691-A-201.dwg August 09, 2021-1:33 PM/ rcarbone



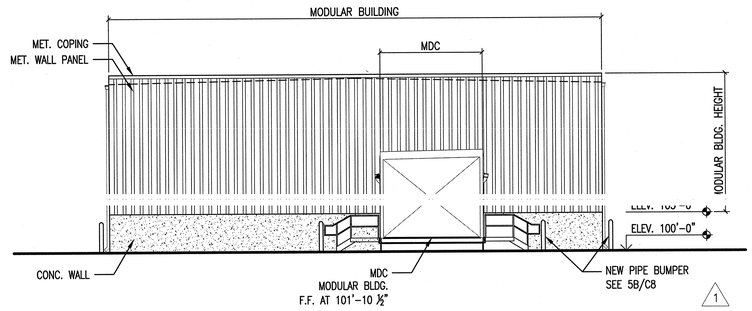
1D **SOUTH ELEVATION**
1/8" = 1'-0"



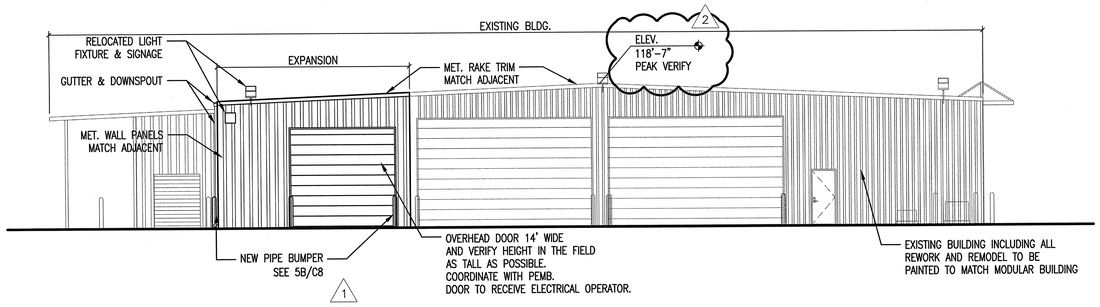
1C **NORTH ELEVATION**
1/8" = 1'-0"



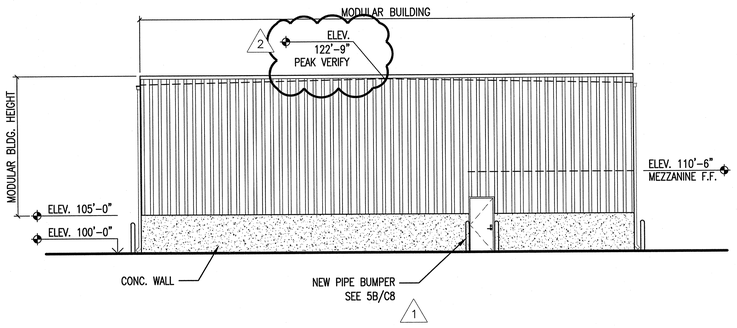
1B **EAST ELEVATION-EXIST. BUILDING/MDC SECTION**
1/8" = 1'-0"



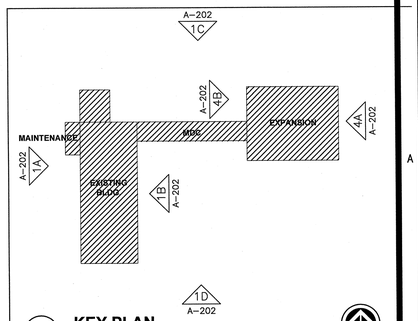
4B **WEST ELEVATION-MODULAR BLDG./MDC SECTION**
1/8" = 1'-0"



1A **WEST ELEVATION-EXIST. BLDG./EXPANSION**
1/8" = 1'-0"



4A **EAST ELEVATION-MODULAR BLDG.**
1/8" = 1'-0"



6A **KEY PLAN**
NORTH

REVISIONS:

1	10/21/21	ADDENDUM#1
2	10/27/21	ADDENDUM#2

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil/Forensic Engineering • Surveying • Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

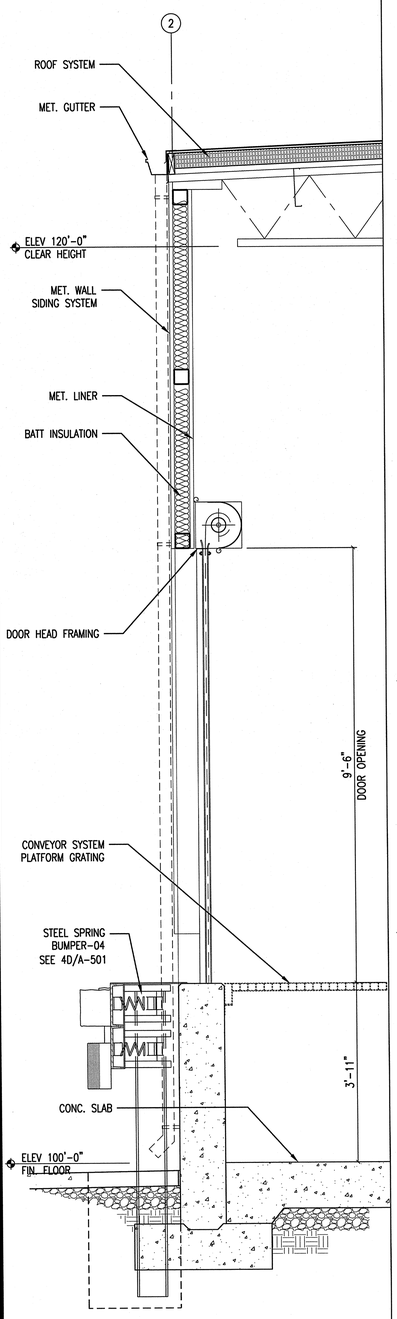
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
STATE OF FLORIDA
CRAIG R. RICE
LICENSE NUMBER 57191
10/25/2021

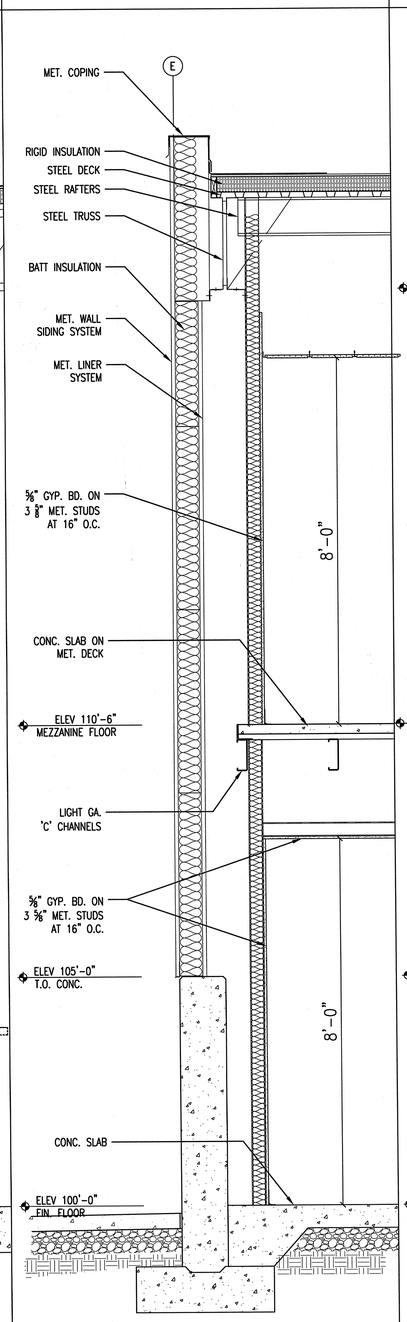
SHEET NUMBER:
A-202

DESCRIPTION:
EXTERIOR ELEVATIONS

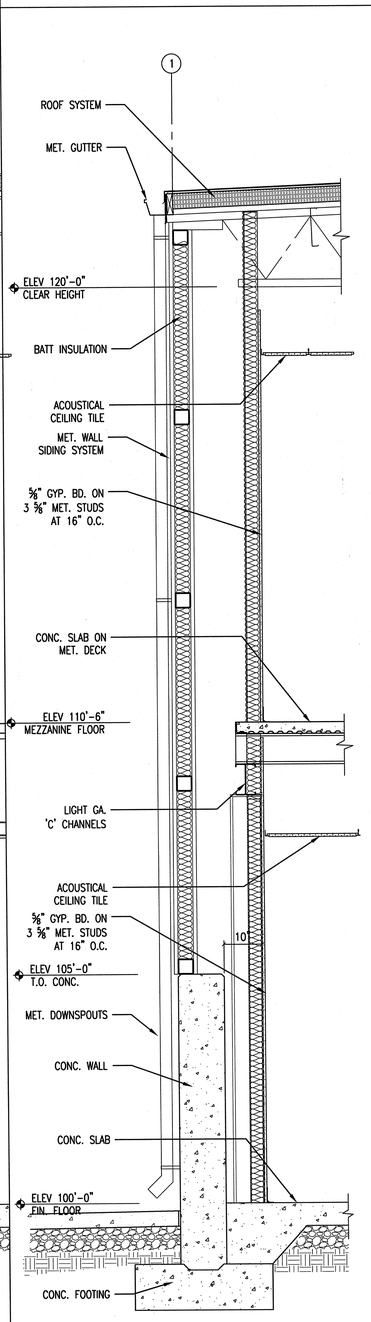
05-091-A-202.dwg 10/28/2021 8:26 AM ROBERSNS



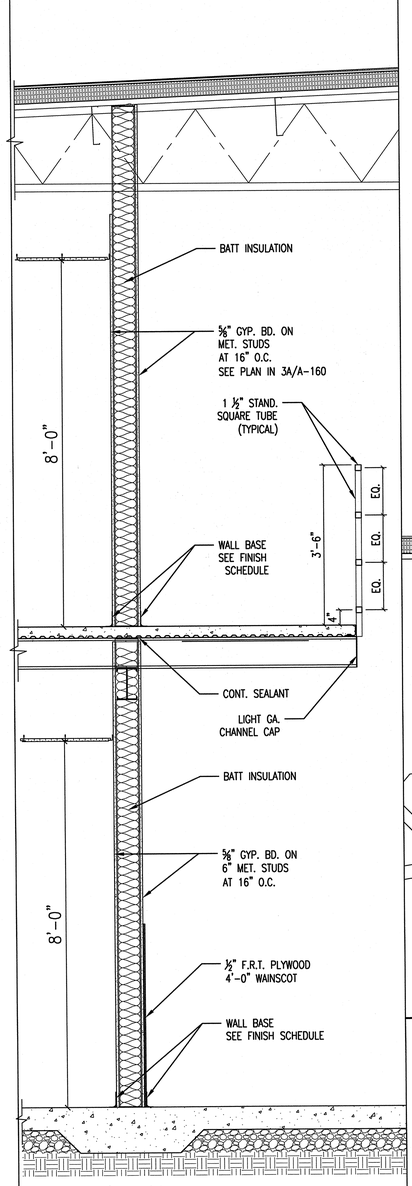
1A **WALL SECTION**
3/4" = 1'-0"



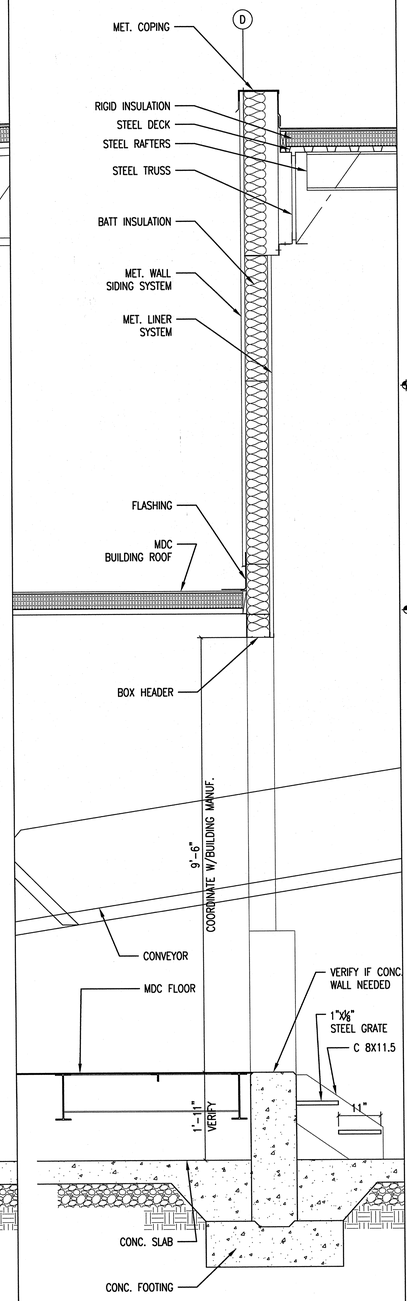
2A **WALL SECTION**
3/4" = 1'-0"



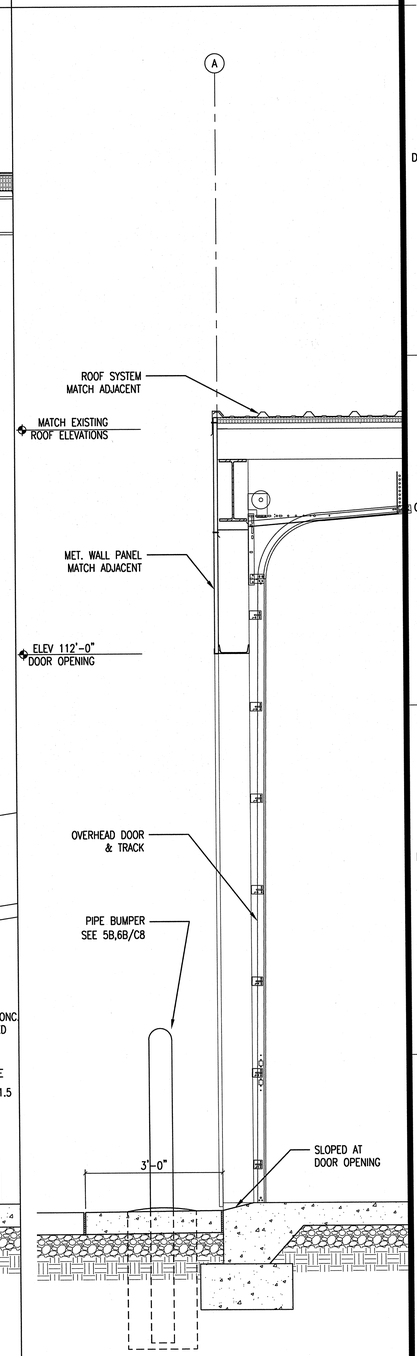
3A **WALL SECTION**
3/4" = 1'-0"



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



5A **WALL SECTION**
3/4" = 1'-0"



6A **WALL SECTION**
3/4" = 1'-0"

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

Pickering
Pickering Firm, Inc.
Facility Design - Civil Engineering - Surveying - Transportation - Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
(901) 726.0810

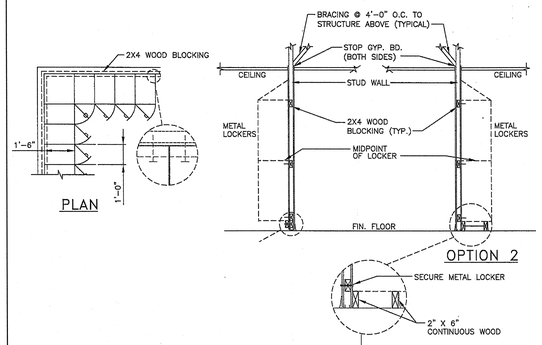
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
STATE OF FLORIDA
THOMAS R. MOORE
AR91924
REGISTERED ARCHITECT

SHEET NUMBER:
A-301

DESCRIPTION:
WALL SECTIONS

August 09, 2021 - 1:35pm / rcorcoran
P:\Projects\26197.00 - ups lake city\Arch\Dgn\26197.00-A-301.dwg

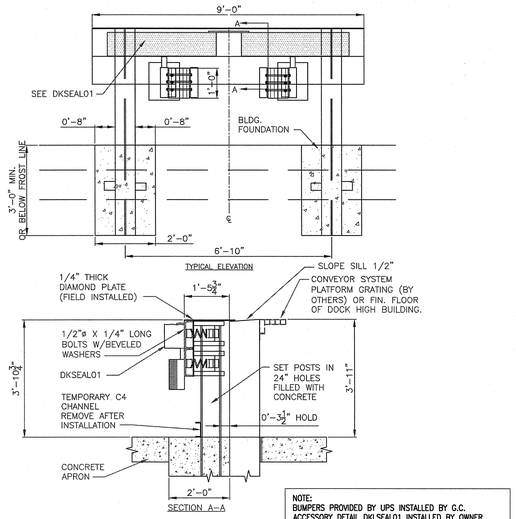


NOTE:
1. METAL LOCKER TO WOOD BLOCKING W/WOOD SCREWS & FENDER WASHERS 2 PER LOCATION AT EACH LOCATION PER MANUFACTURER DETAIL.
2. PROVIDE FILLER PERKS (INCLUDING HOOD) IF GAP IS LESS THEN LOCKER WIDTH TO WALL.

NOTE:
ACCEPTABLE TO USE USE MANUFACTURERS LEGS WITH CLOSURE PLATE AROUND ENTIRE BOTTOM OF LOCKERS IN LIEU OF WOOD BASE PROVIDED & INSTALLED BY G.C..
(THIS WOULD REPLACE DETAIL ABOVE)

2D METAL LOCKERS MOUNTING (STUD WALL)

N.T.S. UPS - LOCKERS02

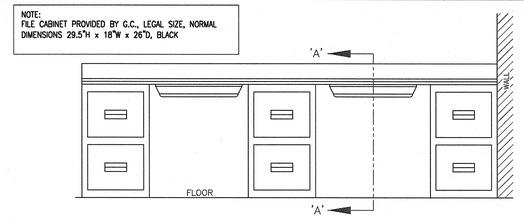


NOTE:
BUMPERS PROVIDED BY UPS INSTALLED BY G.C.
ACCESSORY DETAIL DKLSEALO1 INSTALLED BY OWNER.

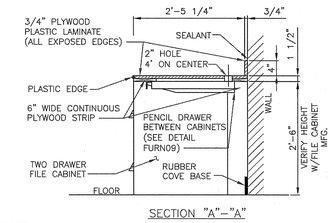
4D STEEL SPRING BUMPER

N.T.S. UPS - BUMPERS04

NOTE:
FILE CABINET PROVIDED BY G.C., LEGAL SIZE, NORMAL DIMENSIONS 29.5"H x 18"W x 26"D, BLACK



FRONT ELEVATION

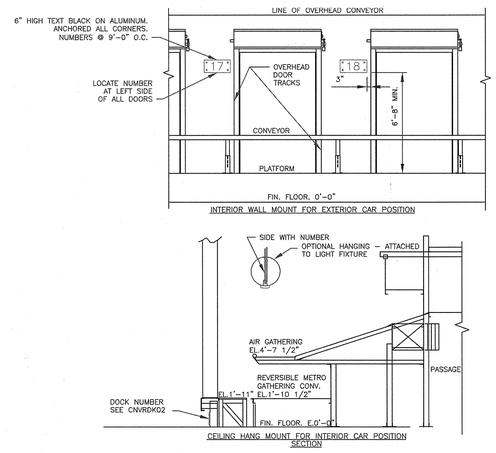


SECTION "A"-"A"

NOTE:
1. GROMMET HOLES FOR WIRING SHOULD BE PLACED AFTER INSTALLATION.
2. COUNTER TOP RESTS ON TOP OF FILE CABINETS. IF ENDS OF TOP ARE NOT RESTING ON FILE CABINETS AN ANGLE BRACKET WILL BE REQ'D FOR SUPPORT.

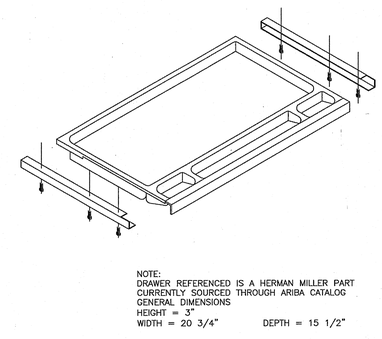
5D COUNTER WORK STATIONS

N.T.S. UPS - FURN07



2B PRELOAD VEHICLE NUMBERING

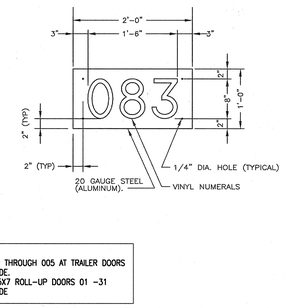
N.T.S. UPS - CNVRDCK05



NOTE:
DRAWER REFERENCED IS A HERMAN MILLER PART CURRENTLY SOURCED THROUGH ARIBA CATALOG
GENERAL DIMENSIONS
HEIGHT = 3"
WIDTH = 20 3/4" DEPTH = 15 1/2"

4B PENCIL DRAWER

N.T.S. UPS - FURN09

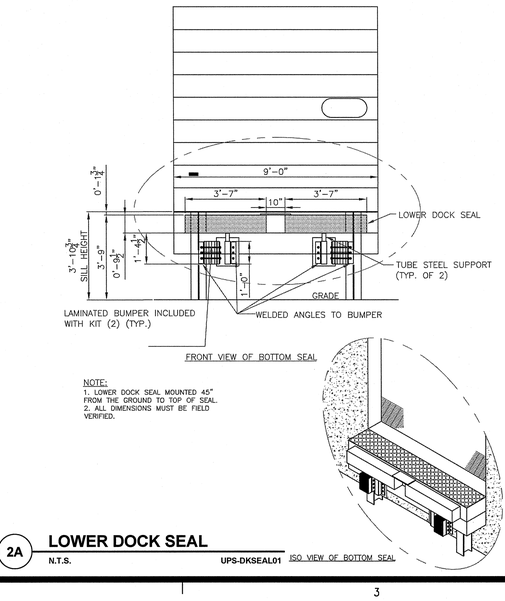


NOTES:
1. 10 REQUIRED, 001 THROUGH 005 AT TRAILER DOORS INSIDE AND OUTSIDE.
2. 62 REQUIRED AT 5X7 ROLL-UP DOORS 01 -31 INSIDE AND OUTSIDE

INPUT/ OUTPUT DOOR SIGN

5B DOOR SIGN

UPS - SIGN01

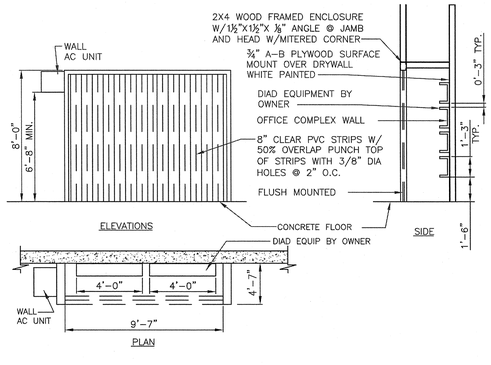


NOTE:
1. LOWER DOCK SEAL MOUNTED 45° FROM THE GROUND TO TOP OF SEAL.
2. ALL DIMENSIONS MUST BE FIELD VERIFIED.

ISO VIEW OF BOTTOM SEAL

2A LOWER DOCK SEAL

N.T.S. UPS-DKSEALO1



NOTE:
1. POWER FOR AC AS PER CONTRACTOR/SUPPLIER REQUIREMENT

Hardware Mounting Recommendations			
Inner wall Material	Drill Sizes	Hardware	Washer
Wood	9/32"(0.281"x 1/5" deep	Lag Screw	3/8" Flat
Steel (with hallow wall)	7/16" (0.437")	1/4" Molly Bolt of the appropriate Lenght*	0.265"x0.875" Fender
Cinder Block	7/16" (0.437")	1/4" Molly Bolt of the appropriate Lenght*	0.265"x0.875" Fender
	7/16" (0.437")	5/16" Toggle Bolt**	3/8" Flat
Concrete, Solid	As Required	Lead Anchors (not Provided)	As Required
* For walls 5/8" to 1-1/4" thick		**Do not remove the bolts after inserting them into the wall	

4A DIAD ENCLOSURE

N.T.S. UPS - DIAD01

REVISIONS:

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
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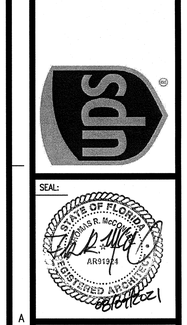
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

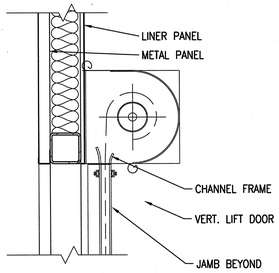


SHEET NUMBER:

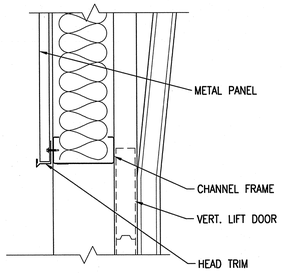
A-501

DESCRIPTION:
MISCELLANEOUS DETAILS

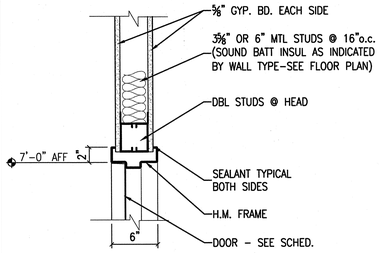
05-801-A-501.dwg/ August 09, 2021 - 1:36 PM/ rcordova



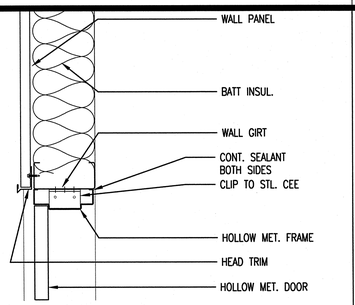
1E ROLL-UP DOOR HEAD DETAIL
1 1/2" = 1'-0"



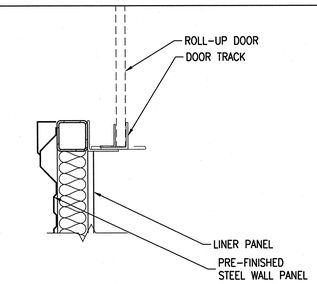
2E SECT. DOOR HEAD DETAIL @ MET. WALL
1 1/2" = 1'-0"



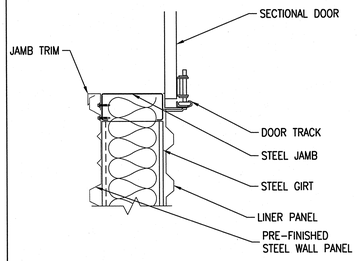
3E DOOR HEAD DETAIL @ GYP. BD. WALL
1 1/2" = 1'-0"



4E MAN DOOR HEAD DETAIL @ MET. WALL
1 1/2" = 1'-0"

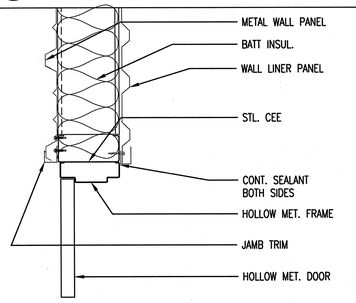


1D ROLL-UP DOOR JAMB DETAIL
1 1/2" = 1'-0"

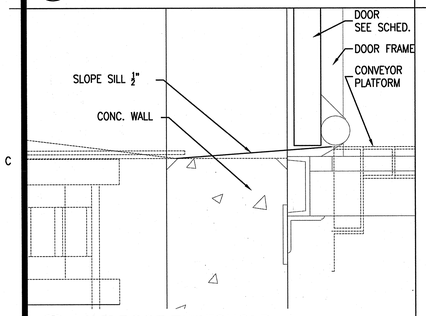


2D SECT. DOOR JAMB DETAIL @ MET. WALL
1 1/2" = 1'-0"

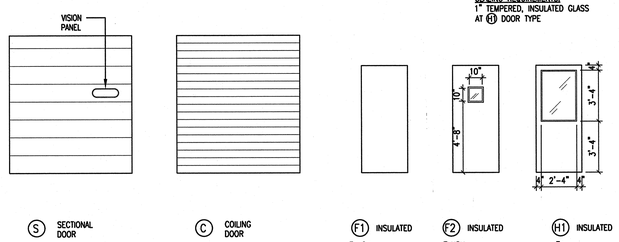
3D DOOR JAMB DETAIL @ GYP. BD. WALL
1 1/2" = 1'-0"



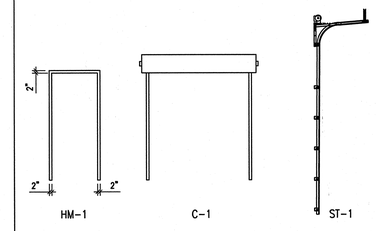
4D MAN DOOR JAMB DETAIL @ MET. WALL
1 1/2" = 1'-0"



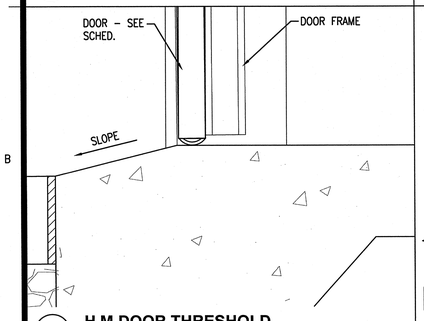
1C H.M.DOOR THRESHOLD
N.T.S.



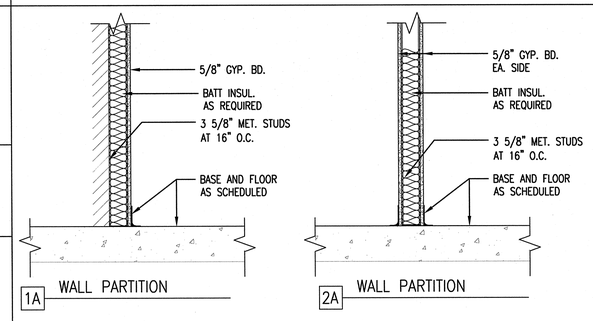
2C DOOR TYPE
1/4" = 1'-0"



4C FRAME TYPE
1/4" = 1'-0"



1B H.M.DOOR THRESHOLD
N.T.S.

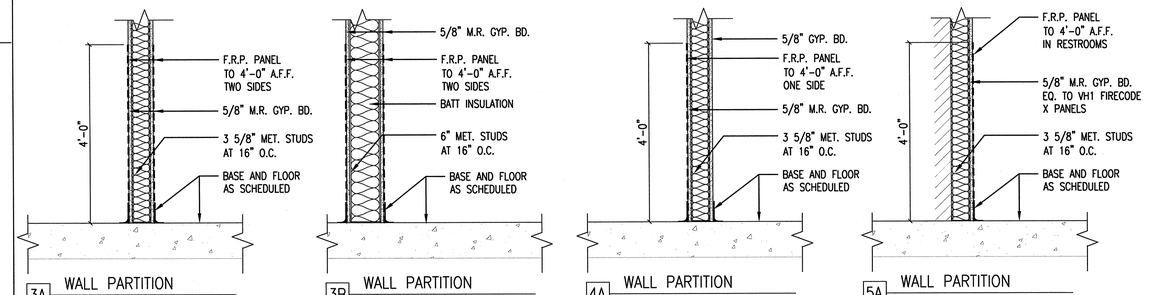


1A WALL PARTITION

2A WALL PARTITION

PARTITION NOTES

1. INTERIOR OFFICES METAL STUD AND GYPSUM BOARD WALLS TO 6" ABOVE CEILING UNLESS NOTED OTHERWISE.
2. OFFICES COMPLEX PERIMETER METAL STUD AND GYPSUM BOARD WALLS TO UNDERSIDE OF MEZZANINE & ROOF STRUCTURE.
3. SEE 3E/A-160 FOR LOCATION OF ¾"x48H PAINTED FRT PLYWOOD WAINSCOT AT OFFICE PERIMETER WALLS.

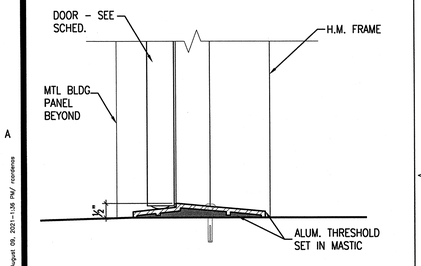


3A WALL PARTITION

3B WALL PARTITION

4A WALL PARTITION

5A WALL PARTITION



1A H.M.DOOR THRESHOLD
N.T.S.

2A WALL TYPE
1" = 1'-0"

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WTH	DOOR SIZE HGT	DOOR SIZE THK	DOOR TYPE	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATE	HDWR SET NO	NOTES
101A	3'-0"	7'-0"	1 3/4"	F2	HM-1	4E/A-601	4D/A-601	1A/A-601	--	HS-1	--
101B	3'-0"	7'-0"	1 3/4"	F2	HM-1	4E/A-601	4D/A-601	1A/A-601	--	HS-1	--
101C	9'-0"	8'-0"	BY MANUF	C	C-1	2E/A-601	2D/A-601	1C/A-601	--	HS-3	--
101D	9'-0"	8'-0"	BY MANUF	C	C-1	2E/A-601	2D/A-601	1C/A-601	--	HS-3	--
101E	9'-0"	8'-0"	BY MANUF	C	C-1	2E/A-601	2D/A-601	1C/A-601	--	HS-3	--
101F	9'-0"	8'-0"	BY MANUF	C	C-1	2E/A-601	2D/A-601	1C/A-601	--	HS-3	--
101G	9'-0"	8'-0"	BY MANUF	C	C-1	2E/A-601	2D/A-601	1C/A-601	--	HS-3	--
101H	3'-0"	7'-0"	1 3/4"	F2	HM-1	4E/A-601	4D/A-601	1A/A-601	--	HS-1	--
101K	10'-0"	10'-0"	BY MANUF	S	ST-1	2E/A-601	2D/A-601	1B/A-601	--	HS-3	--
102A	3'-0"	7'-0"	1 3/4"	F1	HM1	3E/A-601	3D/A-601	--	--	HS-8	--
103A	3'-0"	7'-0"	1 3/4"	F1	HM1	3E/A-601	3D/A-601	--	--	HS-8	--
105A	3'-0"	7'-0"	1 3/4"	F1	HM1	3E/A-601	3D/A-601	--	--	HS-7	--
107A	3'-0"	7'-0"	1 3/4"	H1	HM1	3E/A-601	3D/A-601	--	--	HS-6	--
109A	3'-0"	7'-0"	1 3/4"	F1	HM-1	4E/A-601	4D/A-601	1A/A-601	--	HS-1	--
109B	14'-0"	13'-0"	BY MANUF	S	ST-1	2E/A-601	2D/A-601	1B/A-601	--	HS-3	--
110A	3'-0"	7'-0"	1 3/4"	F1	HM-1	4E/A-601	4D/A-601	1A/A-601	--	HS-1	--

ROOM FINISH SCHEDULE

NO	ROOM NAME	FLOOR	BASE	WALL	CEILING FINISH	CEILING HEIGHT	NOTES
101	INBOUND	SC	RBR	GYP/PNT	--		--
102	WOMENS	SC	RBR	GYP/PNT	GYP/PNT	8'-0"	--
103	MENS	SC	RBR	GYP/PNT	GYP/PNT	8'-0"	--
105	JANITOR	SC	RBR	GYP/PNT	GYP/PNT	8'-0"	--
107	OMS ADMIN OFFICE	SC	RBR	GYP/PNT	ACT	8'-0"	--
108	MDC	--	--	--	--	--	BY MANUF.
109	VEHICLE MAINT.	SC	--	MTL	--	--	--
110	EXIST. STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING
111	EXISTING OFFICE AREA	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING
112	OUTBOUND	EXIST	EXIST	EXIST	--		EXISTING
113	MENS LOCKERS	SC	RBR	GYP/PNT	GYP/PNT	8'-0"	--

DOOR AND FRAME SCHEDULE-MEZZANINE

MARK	DOOR SIZE WTH	DOOR SIZE HGT	DOOR SIZE THK	DOOR TYPE	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATE	HDWR SET NO	NOTES
201A	3'-0"	7'-0"	1 3/4"	H1	HM1	3E/A-601	3D/A-601	1A/A-601	--	HS-7	--
202A	3'-0"	7'-0"	1 3/4"	H1	HM1	3E/A-601	3D/A-601	1A/A-601	--	HS-7	--
203A	3'-0"	7'-0"	1 3/4"	H1	HM1	3E/A-601	3D/A-601	1A/A-601	--	HS-7	--
204A	3'-0"	7'-0"	1 3/4"	F1	HM1	3E/A-601	3D/A-601	1A/A-601	--	HS-7	--

ROOM FINISH SCHEDULE-MEZZANINE

NO	ROOM NAME	FLOOR	BASE	WALL	CEILING FINISH	CEILING HEIGHT	NOTES
201	PART TIME SUP. OFFICE	SC	RBR	GYP/PNT	ACT	8'-0"	--
202	FULL TIME SUP. OFFICE	SC	RBR	GYP/PNT	ACT	8'-0"	--
203	MANAGER	SC	RBR	GYP/PNT	ACT	8'-0"	--
204	SERVER ROOM	SC	RBR	GYP/PNT	EXPO	--	--

ACT	Acoustic Ceiling Tile	GL	Glass	PNT	Paint	UNF	Unfinished
SC	Sealed Conc	GYP	Gypsum Drywall	PNL	Panel	VT	Vinyl Tile
CARP	Carpet	HB	Heavy Broom	PLAM	Plastic Laminate	WR	Water Resistant
CONC	Concrete	HR	Handrail	PLWD	Plywood	WP	Wire Partition
CMU	Concrete Masonry Unit	LB	Light Broom	PFN	Prefinished	WD	Wood
EXPO	Exposed	LWC	Light Weight Concrete	RES	Resilient		
EXST	Existing	MR	Moisture Resistant	RBR	Rubber		
FF	Factory Finish	MTPL	Metal Building Panel	RBT	Rubber Tile		
FRP	Fiber Reinforced Plastic	MTL	Metal Liner	SC	Sealed Concrete		
FRT	Fire Retardant Treated	N	None	SST	Stainless Steel		
		NAT	Natural	SLR	Sealer		

REVISIONS:

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: RC
DESIGNER: RC
CHECKED BY: TMO

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

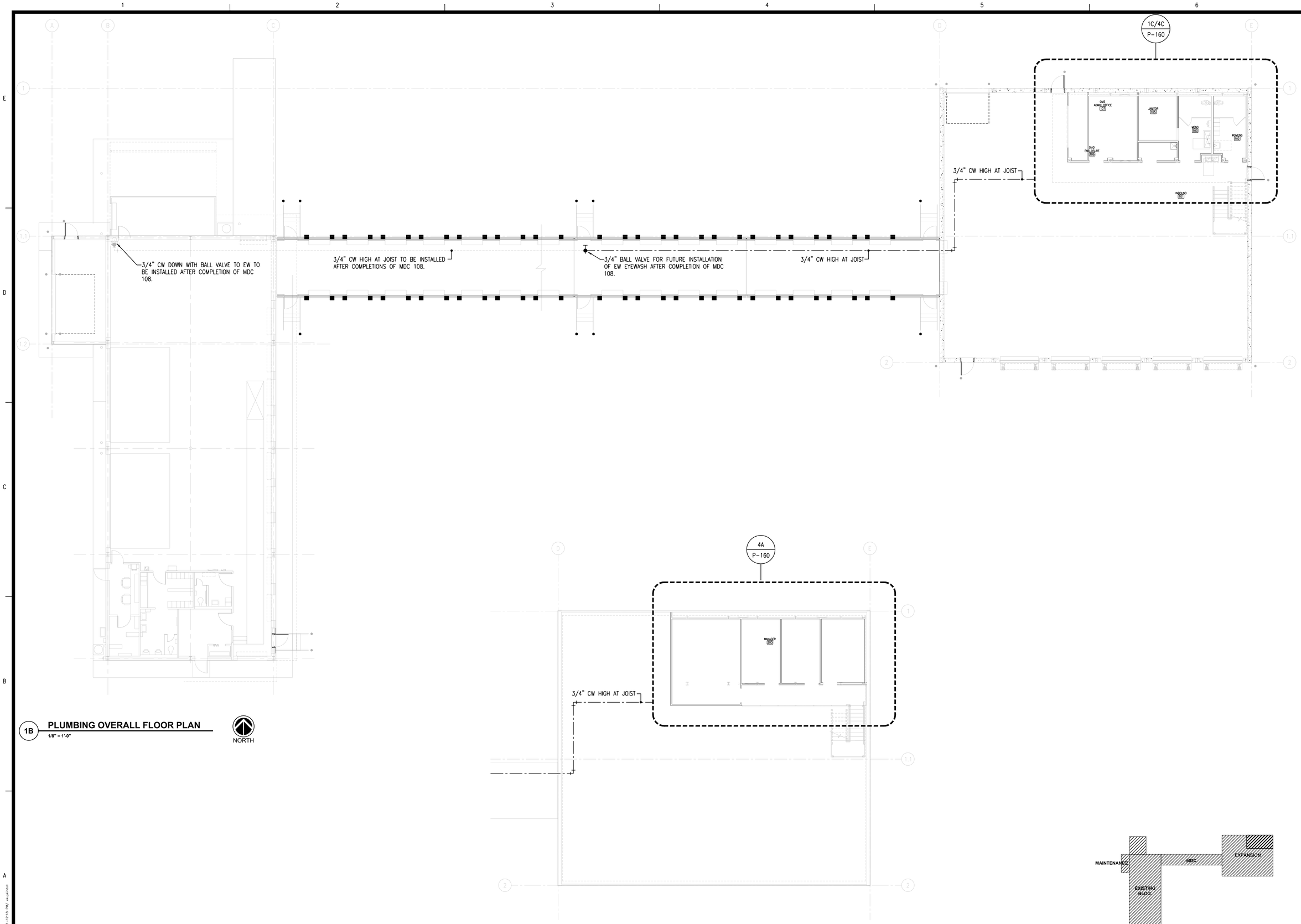
SEAL:

STATE OF FLORIDA
CRAIG R. McCLAIN
AR12622
REGISTERED ARCHITECT
08/09/2021

SHEET NUMBER:
A-601

DESCRIPTION:
SCHEDULES AND DETAILS

05-901-A-601.dwg/ August 09, 2021 - 1:38 PM/ rscarbrough

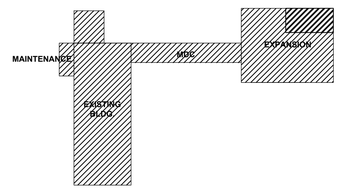


1B **PLUMBING OVERALL FLOOR PLAN**
1/8" = 1'-0"

NORTH

3A **PLUMBING MEZZANINE FLOOR PLAN**
1/8" = 1'-0"

NORTH



KEY PLAN

NORTH

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

Pickering
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

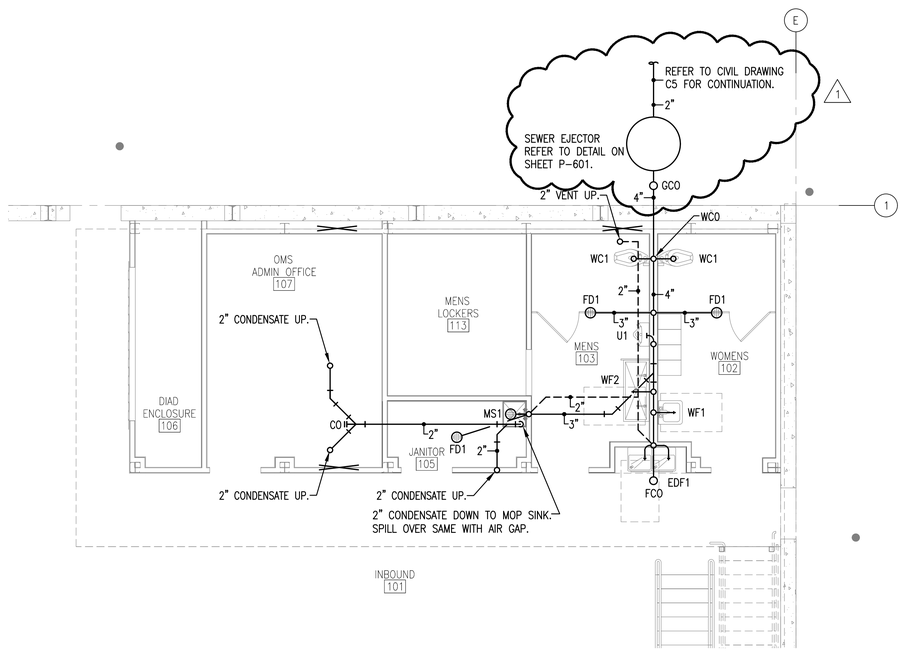
JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/09/21

SHEET NUMBER:

P-130

DESCRIPTION:
PLUMBING OVERALL FLOOR PLAN

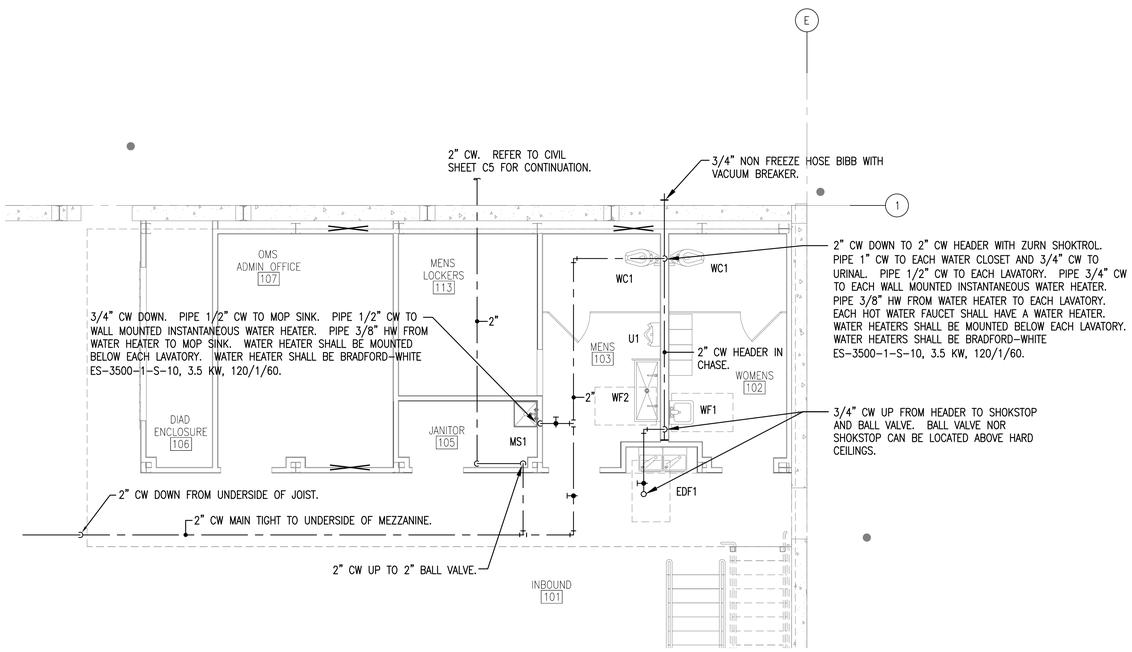
07-991-P-130.dwg/ August 09, 2021 - 12:18 PM/ ekuphrodat



1C ENLARGED WASTE AND VENT FLOOR PLAN

1/4" = 1'-0"

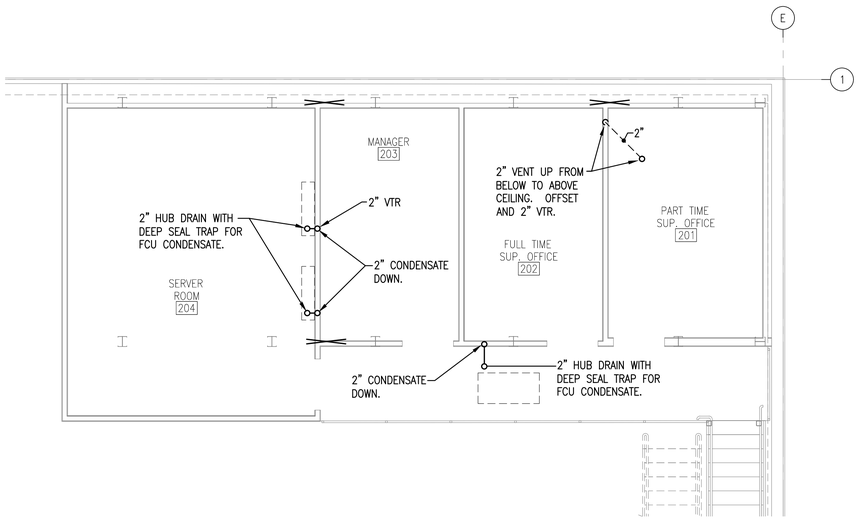
NORTH



4C ENLARGED WATER PLAN

1/4" = 1'-0"

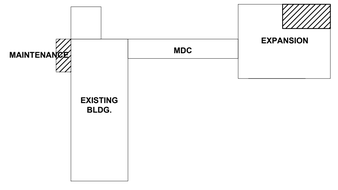
NORTH



4A ENLARGED MEZZANINE WASTE AND VENT FLOOR PLAN

1/4" = 1'-0"

NORTH



KEY PLAN

NORTH

REVISIONS:

1	10/21/21	ADD. #1
2		
3		
4		
5		

PROJECT #: 26197.00

DATE: AUGUST 09, 2021

DRAWN BY: PFI

DESIGNER: PFI

CHECKED BY: PFI

Pickering
Pickering Firm, Inc.
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Memphis, TN 38119
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/21/21

SHEET NUMBER:

P-160

DESCRIPTION:

ENLARGED PLUMBING FLOOR PLANS

PLUMBING LEGEND

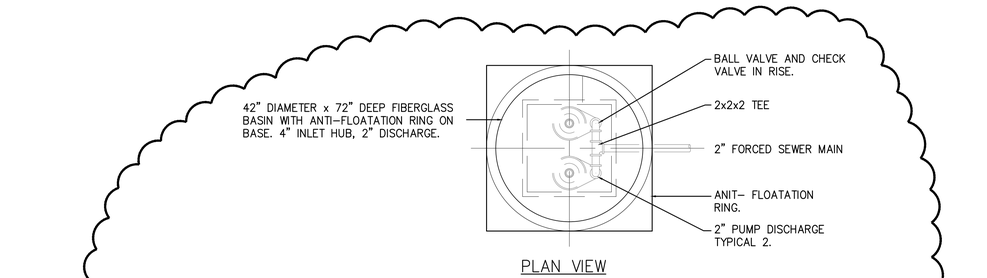
SYMBOL	DESCRIPTION
———	SOIL OR WASTE
- - - - - -	VENT
V.T.R.	VENT THRU ROOF
—— – ——	COLD WATER (C.W.)
—— – – ——	HOT WATER (H.W.)
—— – – – ——	HOT WATER RETURN (H.W.R.)
——⏚——	BALL VALVE
FCO	FLOOR CLEAN–OUT
GCO	GRADE CLEAN–OUT
WCO	WALL CLEAN–OUT
⊕	CONNECT TO EXISTING

GENERAL PLUMBING NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING FOR BIDDING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND TO CONFIRM SPACE ALLOCATIONS.
2. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, DETAILS, ELEVATIONS AND EXACT LOCATIONS OF FIXTURES.
3. CONTRACTOR SHALL VERIFY ALL FLOW LINES PRIOR TO ROUGHING IN.
4. ALL WORK SHALL CONFORM TO THE LOCAL PLUMBING CODE, LOCAL BUILDING CODES AND STATE HEALTH REGULATIONS HAVING JURISDICTION.
5. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND COORDINATE HIS WORK WITH ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT OF ANY CONFLICTS.
6. CONTRACTOR MAY RE–ROUTE PLUMBING TO AVOID CONFLICT WITH OTHER TRADES AFTER FIRST RECEIVING THE APPROVAL OF THE ARCHITECT/ ENGINEER.
7. PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL WIRING BY ELECTRICAL CONTRACTOR.
8. PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANELS TO BE INSTALLED BY GENERAL CONTRACTOR AS REQUIRED FOR PLUMBING INSTALLATIONS.
9. ALL VALVES AND SHOKSTOPS SHALL BE ACCESSIBLE.
10. PROVIDE AIR CUSHIONS FOR ALL FIXTURES THAT DO NOT HAVE SHOKSTOPS.
11. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
12. ALL PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE SEALED WITH AN APPROVED U. L. LISTED FIREPROOFING TO MAINTAIN THE INTEGRITY OF THE WALL OR FLOOR.
13. PIPE VIBRATION AND/OR PIPE SWAY WILL NOT BE PERMITTED.
14. PROVIDE SUITABLE BACKING AND SUPPORT FOR ALL PLUMBING FIXTURES.
15. OFFSET ALL V.T.R.'S AS REQUIRED WHETHER OR NOT SHOWN ON DRAWINGS.
16. ALL V.T.R.'S SHALL BE A MINIMUM OF 15 FT. AND/OR AS REQUIRED BY CODE AWAY FROM A/C INTAKES WHETHER OR NOT SHOWN ON PLANS.
17. ALL PIPING SHALL BE LABELED.
18. ALL HOLES THRU CONCRETE SHALL BE CORE–DRILLED. SAW–CUT ALL CONCRETE AND ASPHALT BEFORE BREAKING AND REMOVING.
19. INFORMATION OF EXISTING SERVICES WAS TAKEN FROM OWNER'S DRAWINGS. FIELD LOCATE ALL EXISTING SERVICES PRIOR TO STARTING ANY WORK.
20. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL WATER DISTRIBUTION PIPING IS ROUTED IN AREAS THAT ARE NOT SUBJECT TO FREEZING TEMPERATURES. IF PIPING IS SHOWN ROUTED IN SUCH AREAS AND NO PROVISION FOR FREEZE PROTECTION IS INDICATED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ ENGINEER IMMEDIATELY.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	SOIL	WASTE	VENT	CW	HW	MXV	REMARKS
WC1	WATER CLOSET, WALL MTD., FLUSH VALVE HANDICAPPED	4"	——	2"	1"	——		AMERICAN STANDARD A3043001020 BOWL, ZURN ZEMS6000–IS LOW VOLTAGE POWERED, SENSOR OPERATED FLUSH VALVE, PROFLO PFTSCOF2000WH OPEN FRONT WHITE SEAT.
U1	URINAL HANDICAPPED	——	2"	2"	3/4"	——		AMERICAN STANDARD A6590001020 BOWL, ZURN ZEMS6003–IS LOW VOLTAGE POWERED, SENSOR OPERATED (1.0 GPF) FLUSH VALVE, WATTS WCA321 CARRIER.
WF1	STAINLESS STEEL HAND SINK	——	2"	2"	1/2"	1/2"		STAINLESS STEEL HAND SINK (SINGLE FAUCET). EACH FAUCET SHALL BE BE ADVANCE TABCO MODEL K–175 SENSOR OPERATED, LOW VOLTAGE POWERED. REFER TO SINK01 DETAIL ON PLUMBING DRAWING P–601.
WF2	STAINLESS STEEL HAND SINK	——	2"	2"	1/2"	1/2"		STAINLESS STEEL HAND SINK (DOUBLE FAUCET). EACH FAUCET SHALL BE BE ADVANCE TABCO MODEL K–175 SENSOR OPERATED, LOW VOLTAGE POWERED. REFER TO SINK01 DETAIL ON PLUMBING DRAWING P–601.
EDF1	ELECTRIC WATER COOLER HANDICAPPED	——	——	——	——	——		ELKAY NO. EEZSTL8LC, WATER COOLER, PROFLO PFPTB403 TRAP, PROFLO PFXQSC32C STOPS, WATTS WCA4311 CARRIER
FCO	FLOOR CLEANOUT	——	——	——	——	——		WATTS WCO202PRX FLOOR CLEANOUT W/5" NB HEAVY DUTY ROUND TOP
GCO	GRADE CLEANOUT	——	——	——	——	——		WATTS WCO202PRX4 FLOOR CLEANOUT W/5" DI HEAVY DUTY ROUND TOP
WCO	WALL CLEANOUT	——	——	——	——	——		WATTS WCO592RD WALL CLEANOUT WITH BRASS PLUG, STAINLESS STEEL COVER
FD1	FLOOR DRAIN	——	——	——	——	——		ZURN ZN–415–6 CAST IRON FLOOR DRAIN WITH 6" ROUND ADJUSTABLE NICKEL BRASS STRAINER. PROVIDE SQUARE STRAINER AT TILE FLOORING
MS1	MOP BASIN	——	3"	2"	1/2"	1/2"		STERN WILLIAMS NO. SBC–1700–BP–2. CORNER MODEL MOP SINK W/ NO. T–10–VB FAUCET. NO. T–35 HOSE AND WALL BRACKET, NO. T–40 S/S MOP HANGER. (2) STAINLESS STEEL BACK SPLASH PANELS.
EW	EMERGENCY EYEWASH	——	——	——	1/2"	——		HAWS 7260B EYEWASH

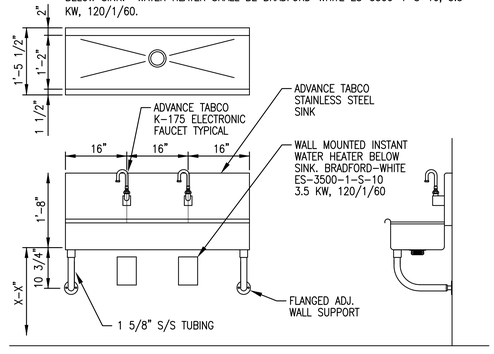


DUPLEX PACKAGED SEWAGE EJECTOR CONTROL PANEL
CENTRIPRO KD19020WF
DUPLEX NEMA3R 3R CONTROL PANEL W/CIRCUIT BREAKERS, MAGNETIC CONTACTORS, OVER LOAD PROTECTION, TAMPER PROOF DOOR, RUN LIGHTS, H.O.A. SWITCHES, SHORT CIRCULATION AND LEAD/LAG, HI–WATER ALARM WITH LIGHT/ BUZZER AND SILENT SWITCH.
110V CONTROL CIRCUIT.

DUPLEX SUMP EJECTOR PUMP BASIN AND PIPING DETAIL

NO SCALE

NOTE: WF2 IN MEN'S RESTROOM SHALL BE ADVANCE TABCO MODEL 19–18–48 (48x18x8) WITH (2) WALL MOUNTED INSTANT WATER HEATERS MOUNTED BELOW SINK. EACH WATER HEATER SHALL BE BRADFORD–WHITE ES–3500–1–S–10, 3.5 KW, 120/1/60. WF1 IN WOMEN'S RESTROOM SHALL BE ADVANCE TABCO MODEL 19–18–23 (23x18x8) WITH (1) WALL MOUNTED INSTANT WATER HEATER MOUNTED BELOW SINK. WATER HEATER SHALL BE BRADFORD–WHITE ES–3500–1–S–10, 3.5 KW, 120/1/60.



K-175 ELECTRONIC FAUCETS DETAIL

NOT TO SCALE

1

REVISIONS:

1	10/21/21	ADD. #1

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

JONATHAN R. FOSHEE
No. 89876
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/21/21

SHEET NUMBER:

P-601

DESCRIPTION:
PLUMBING SCHEDULES AND DETAILS

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
A/C	ABOVE CEILING/AIR CONDITION	M	MOTOR
ACV	ALARM CHECK AIR CONDITION VALVE	MAU	MAKE-UP AIR UNIT
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AP	ACCESS PANEL	MBH	THOUSAND BTU PER HOUR
ASR	AUTOMATIC SPRINKLER RISER	MD	MANUAL DAMPER
ATC	AUTOMATIC TEMPERATURE CONTROL	MFGR	MANUFACTURER
B.D.D.	GRAVITY BACK DRAFT DAMPER	MH	MAN HOLE
BF	BELOW FLOOR	MIN	MINIMUM
BFP	BACK FLOW PREVENTOR	MOD	MOTOR OPERATED DAMPER
BOD	BOTTOM OF DUCT	MU	MAKE-UP
BTUH	BRITISH THERMAL UNIT PER HOUR		
BVD	BYPASS VOLUME DAMPER	MVD	MANUAL VOLUME DAMPER
CFM	CUBIC FEET PER MINUTE	NC	NORMALLY CLOSED
CG	CENTER OF GRAVITY	NFWH	NONFREEZE WALL HYDRANT
CLG	CEILING	NIC	NOT IN CONTRACT
CO	CLEANOUT	N/O	NORMALLY OPEN
CSTC	CUSTOMER SERVICE TELEPHONE CENTER	NOM	NOMINAL
CV	CONSTANT VOLUME UNIT	NTS	NOT TO SCALE
CW	COLD WATER (POTABLE)	OA	OUTSIDE AIR
DB	DRY BULB TEMPERATURE, °F	OBD	OPPOSED BLADE DAMPER
DH	ELECTRIC DUCT HEATER	PD	PRESSURE DROP
DIA	DIAMETER	PIV	POST INDICATOR VALVE
DIFF	DIFFUSER	PLMB	PLUMBING
DL	DRIP LEG	PRV	PRESSURE REDUCING VALVE
DMPR	DAMPER		
DN	DOWN	PSIG	POUNDS PER SQUARE INCH GAUGED
DP	DEW POINT TEMPERATURE, °F	RA	RETURN AIR
DWG	DRAWING	REG	REGISTER
EAT	ENTERING AIR TEMPERATURE	RG	RETURN/GRILLE
EF	EXHAUST FAN	RH	RELATIVE HUMIDITY
EL	ELEVATION		
ELEC	ELECTRICAL	RPM	REVOLUTIONS PER MINUTE
ELL	ELBOW	RTU	ROOF TOP UNIT
ENT	ENTERING	S	SANITARY
ER	EXHAUST REGISTER	SA	SUPPLY AIR
EW	EYE WASH	SD	SPLITTER DAMPER
EWC	ELECTRIC WATER COOLER	S.M.	SHEET METAL
EWH	ELECTRIC WATER HEATER	SP	STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE, °F		
EXH	EXHAUST	SPEC	SPECIFICATION
EXIST.	EXISTING	SQ. FT.	SQUARE FEET
FC	FLEXIBLE CONNECTION	STG	STAGE
FCO	FLOOR CLEANOUT	SUP.	SUPPLY
FD	FIRE DAMPER/FLOOR DRAIN	TE	TOILET EXHAUST
FDC	FIRE DEPARTMENT CONNECTION	TG	TRANSFER GRILLE
FEC	FIRE EXTINGUISHER CABINET	TOD	TOP OF DUCTWORK
FH	FIRE HYDRANT	TOS	TOP OF STEEL
FHC	FIRE HOSE CABINET	TP	TRAP PRIMER
FL	FIRE LINE	TSP	TOTAL STATIC PRESSURE
FLA	FULL LOAD AMPS	UC	UNDER CUT
FOT	FLAT ON TOP	U/G	UNDER GROUND
FPM	FEET PER MINUTE	UR	URINAL
G.C.	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME
GCO	GRADE CLEANOUT	VD	VOLUME DAMPER
GR	GRILLE	VTR	VENT THRU ROOF
GPM	GALLONS PER MINUTE	WB	WET BULB TEMPERATURE, °F
HB	HOSE BIBB	WC	WATER COLUMN / WATER CLOSET
HP	HORSE POWER	WCO	WALL CLEANOUT
HPG	HIGH PRESSURE GAS	W.G.	WATER GAUGE
HW	HOT WATER	WH	WATER HEATER
IH	INTAKE HOOD	WHA	WATER HAMMER ARRESTOR
IW	INDUSTRIAL WASTE	WM	WATER METER
LBS/HR	POUNDS PER HOUR	W.M.S.	WIRE MESH SCREEN
LRA	LOCKED ROTOR AMPS	WO	WALL OPENING
LVG	LEAVING		
L&S	LOUVER & SCREEN		

DESIGN CONDITIONS

ELEV.	187	LAT.	30.19	LONG.	82.64

BUILDING (EXISTING)	AREA	INSIDE			OUTSIDE			NOTES
		HEAT	COOLING		HEAT	COOLING		
HUB	GEN OFFICE AREAS	75°F ±3F	75°F ±3F	50%RH	30°F db	98°F db	77°F wb	2
HUB	PACKAGE HANDLING	55°F	AMBIENT	AMBIENT	30°F db	98°F db	77°F wb	1
HUB	VEHICLE MAINTENANCE	55°F	AMBIENT	AMBIENT	30°F db	98°F db	77°F wb	1
HUB	RESTROOMS	72°F	80°F	50%RH	30°F db	98°F db	77°F wb	2
HUB	SERVER ROOM	70°F	72°F	50%RH	30°F db	98°F db	77°F wb	2

1. HEAT AND VENTILATE ONLY.
2. SPLIT SYSTEM HEAT AND COOL UNITS.

MECHANICAL LEGEND

HVAC

SYMBOLS	DESCRIPTION
T	THERMOSTAT/TEMPERATURE SENSOR
AHU-1	AIR HANDLING UNIT-UNIT NO.
CU-1	CONDENSING UNIT - UNIT NO.
EUH-1	ELECTRIC UNIT HEATER - UNIT NO.
EF-24	EXHAUST FAN - UNIT NO.
FCU-1	FAN COIL UNIT - UNIT NO.
HP-1	HEAT PUMP - UNIT NO.
IRH-1	INFRARED RADIANT HEATER - UNIT NO.
A 100 CFM	AIR DEVICE TAG AIRFLOW
M	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	EXISTING ITEMS TO BE REMOVED
	EXISTING ITEMS TO REMAIN
	WORK IN CONTRACT
	RECT. RETURN/EXHAUST DUCT DOWN
	RECT. RETURN/EXHAUST DUCT UP
	RECT. DUCT DOWN, SUPPLY
	RECT. DUCT UP, SUPPLY
	DUCT DOWN, ROUND
	DUCT UP, ROUND
	FLEXIBLE DUCT
	TRANSITION, INCREASER OR REDUCER
EF-X	INLINE EXHAUST FAN
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
C	CARBON MONOXIDE/ NITROGEN DIOXIDE SENSOR
P C	CONTROL PANEL
$	ON/OFF SWITCH

GENERAL

SYMBOLS	DESCRIPTION
	CONNECT TO EXISTING
3A M-501	DRAWING/DETAIL NUMBER SHEET WHERE DETAIL /SECTION/PARTIAL PLAN FIRST OCCURS

GENERAL NOTES:

G-1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF CEILING DIFFUSERS, LIGHTS, GRILLES.

G-2. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.

G-3. UNLESS OTHERWISE NOTED, INSTALL ALL SPACE THERMOSTATS 5'-0" ABOVE FINISHED FLOOR.

G-4. ALL SUPPORTS FOR AIR HANDLING EQUIPMENT SHALL BE SIZED TO SUPPORT THE LOAD OF ACTUAL EQUIPMENT INSTALLED.

G-5. FOR ACCESS TO FIRE DAMPERS IN DUCTS 10" x 10" OR SMALLER INSTALL A 12" LONG FLANGED AND GASKETED SECTION OF DUCT ADJACENT TO FIRE DAMPER.

G-6. ALL ROUND RIGID OR FLEXIBLE DUCTS SHALL BE CONNECTED TO RECTANGULAR OR SQUARE DUCT WITH SPIN-IN COLLARS. SPIN-IN COLLARS SHALL HAVE INTEGRAL VOLUME DAMPERS. FLEXIBLE AND RIGID METAL DUCTS FEEDING A SINGLE DIFFUSER SHALL BE SAME SIZE AS DIFFUSER NECK.

G-7. OPENINGS IN DUCTWORK THAT ARE TO BE CLOSED SHALL BE BLANKED OFF WITH SHEET METAL SCREWED TO THE DUCTWORK AND SEALED WITH DUCT SEALANT.

G-8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL SERVICE CHANGE REQUIREMENTS RESULTING FROM PURCHASED EQUIPMENT DEVIATING FROM SCHEDULES AND SPECIFICATIONS, INCLUDING HORSEPOWER CHANGES AND ADDITIONAL VOLTAGE REQUIREMENTS TO PROPERLY CONNECT AND OPERATE EQUIPMENT.

G-9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STRUCTURAL MODIFICATIONS NECESSARY TO PROPERLY INSTALL EQUIPMENT, INCLUDING MOUNTING SUPPORT AND ALL PENETRATIONS OF WALLS, ROOFS AND FLOORS.

G-10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF INTERFERENCE PROBLEMS WITH ALL OTHER TRADES, DUCTWORK, PIPING AND EQUIPMENT RELOCATIONS NECESSARY TO AVOID CONFLICTS; AND SHALL BE COORDINATED THROUGH OWNER'S FIELD REPRESENTATIVE.

G-11. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS AND DO NOT INCLUDE INSULATION.

G-12. ALL SUPPLY AND RETURN DUCT SHALL BE ABOVE CEILING UNLESS NOTED OTHERWISE.

G-13. THESE DRAWINGS ARE BASED ON EXISTING DRAWINGS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING OF PROJECT. WHERE ANY EQUIPMENT ON ROOF IS DISTURBED, IT IS THE HVAC CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REPAIR OF ANY ROOFING ITEMS AFTER THE COMPLETION OF HVAC WORK.

G-14. ALL EQUIPMENT SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. EXISTING EQUIPMENT NOT SHOWN SHALL REMAIN UNCHANGED, UNLESS OTHERWISE NOTED.

G-15. DEMOLISHED DUCTWORK AND DIFFUSERS AND/OR EQUIPMENT SHALL BE TAKEN DOWN AND PROPERLY DISPOSED.

REVISIONS:

1		
2		
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4		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: EJK
DESIGNER: JRF
CHECKED BY: MRB

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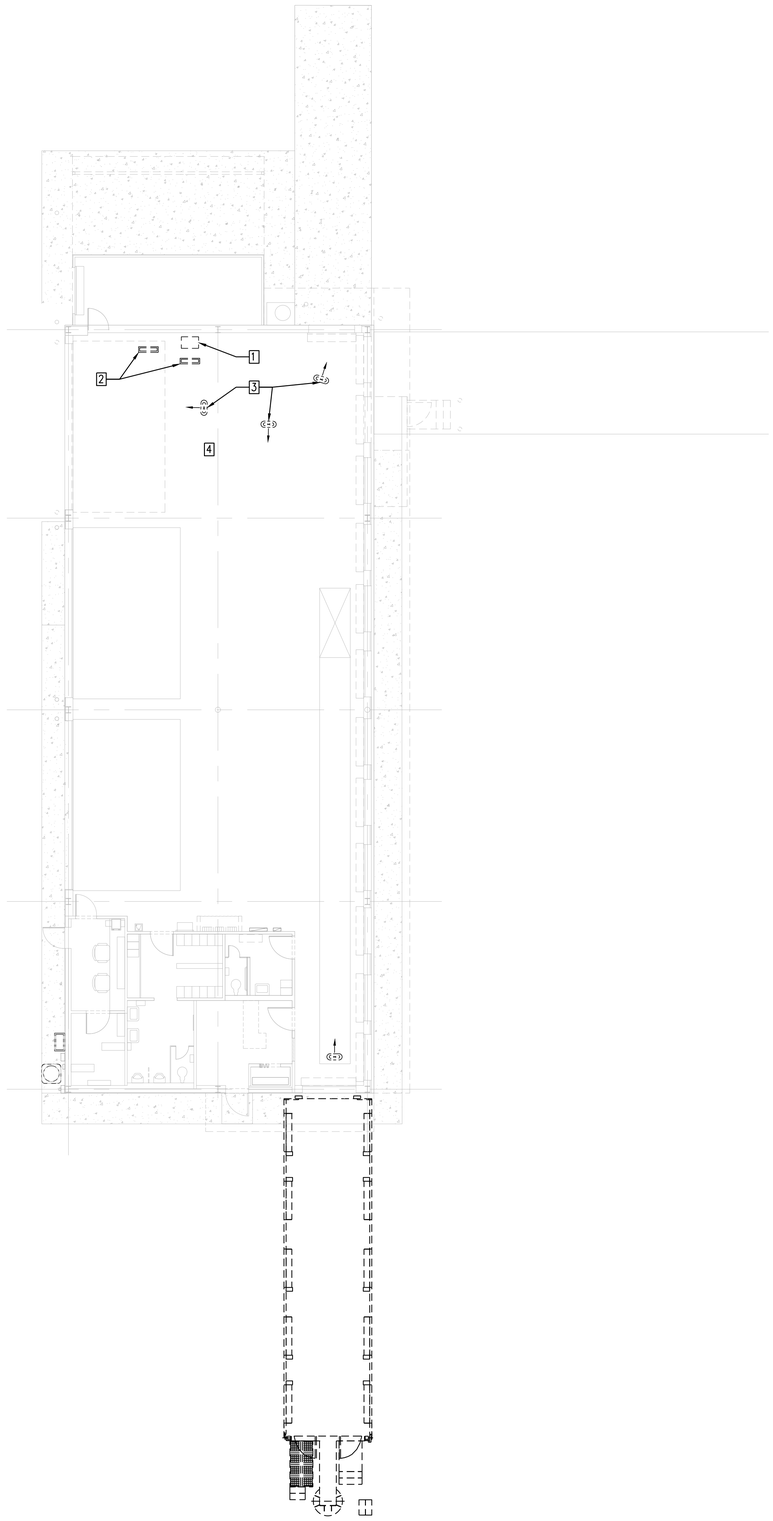
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/09/21

SHEET NUMBER:
MP-001

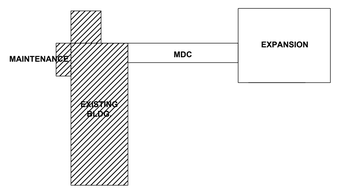
DESCRIPTION:
MECHANICAL NOTES & LEGENDS

08-851-MP-001.dwg/ August 06, 2021-11:46 AM/ eeyklindorf



MECHANICAL KEYNOTES:

1. COORDINATE WITH UPS PROJECT ENGINEER FOR ANY REQUIRED RELOCATION OF EXISTING UNIT HEATER FOR CONSTRUCTION WORK IN THIS AREA.
2. COORDINATE WITH UPS PROJECT ENGINEER FOR ANY REQUIRED RELOCATION OF EXISTING INFRARED HEATERS FOR CONSTRUCTION WORK IN THIS AREA.
3. COORDINATE WITH UPS PROJECT ENGINEER FOR ANY REQUIRED RELOCATION OF EXISTING FANS FOR CONSTRUCTION WORK IN THIS AREA.
4. COORDINATE MAINTENANCE AREA MECHANICAL WORK WITH UPS PROJECT ENGINEER.



KEY PLAN

NORTH

1A MECHANICAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"

NORTH

08-851-M-120.dwg/ August 06, 2021 - 12:15 PM/ mayhobbl

REVISIONS:

1		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: EJK
DESIGNER: JRF
CHECKED BY: MRB

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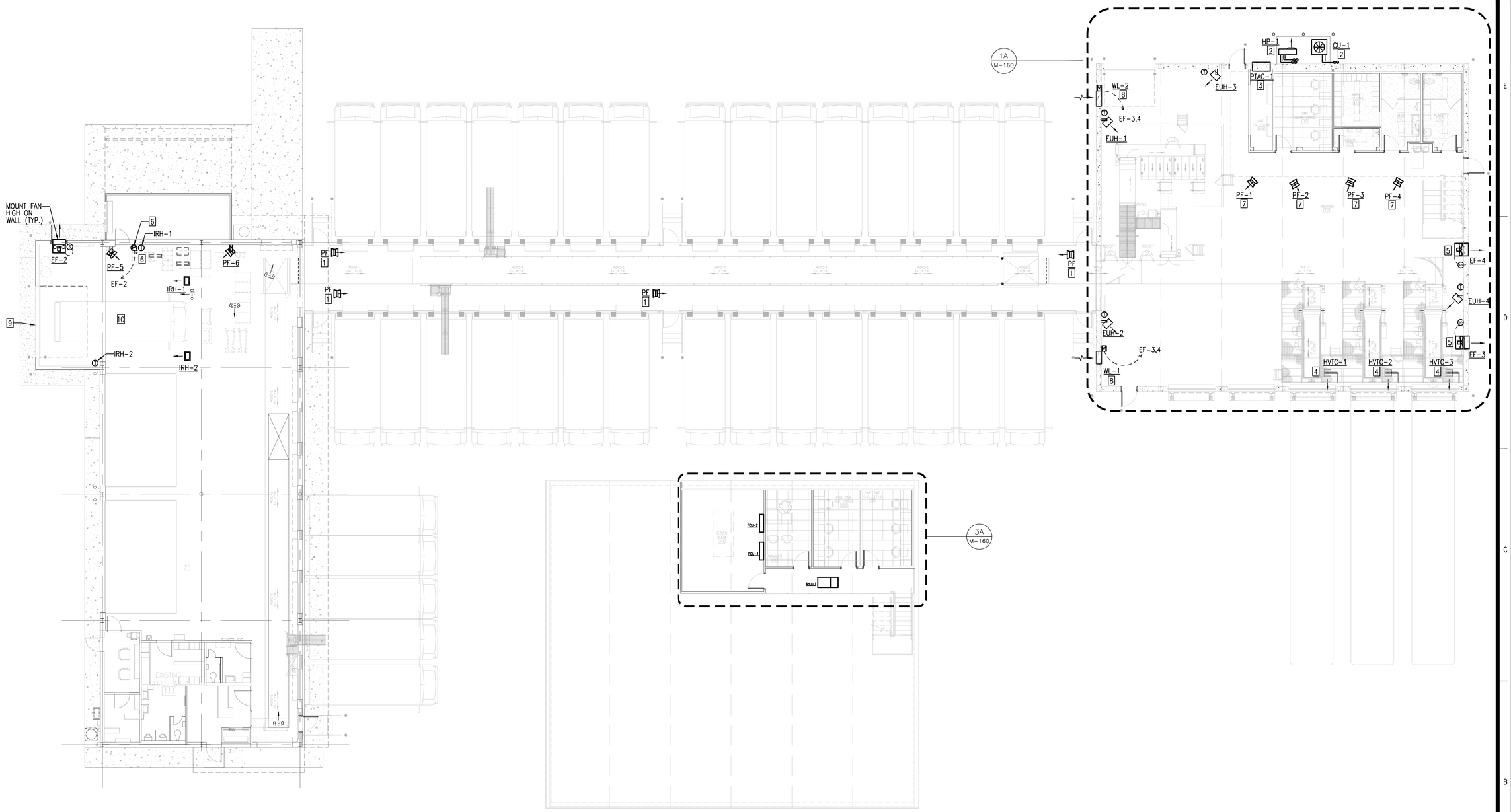
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/09/21

SHEET NUMBER:
M-120

DESCRIPTION:
MECHANICAL DEMOLITION FLOOR PLAN



1B OVERALL FLOOR PLAN - MECHANICAL
1/8" = 1'-0"

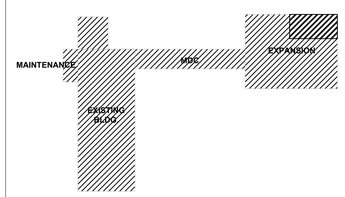
NORTH

4B MEZZANINE FLOOR PLAN - MECHANICAL
1/8" = 1'-0"

NORTH

MECHANICAL KEYNOTES:

1. PATTERSON 14" TURBO FAN, SHALL BE PROVIDED BY "USA MODULAR", AND YOKE MOUNTED FROM CEILING.
2. REFRIGERANT LINES ARE DIAGRAMATIC. CONTRACTOR SHALL PROVIDE REFRIGERANT LINE SIZES, LAYOUT, AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. SUPPLY AND INSTALL PTAC UNIT PTAC-1, FRIEDRICH MODEL NO. PZE09K3SB-A. UNIT SHALL PROVIDE 9000 BTUH COOLING, W/3.60 KW HEAT. UNIT ELECTRICAL: 208-230V/1 PH/60HZ, 3.5A COOLING CURRENT, 20.0A MCA/20.0A MOCP. PROVIDE UNIT WITH CONDENSATE SLINGER. REFER TO SHEET A-160 FOR ADDITIONAL INFORMATION.
4. PATTERSON HIGH VELOCITY TRUCK COOLER FAN (HVTC).
5. WALL FANS SIZED TO PROVIDE 3 AC/HR VENTILATION RATE WHEN BOTH ARE IN OPERATION.
6. COMBINATION NO2/CO SENSOR/FAN CONTROLLER
7. COORDINATE WITH CONVEYOR VENDOR AND UPS PROJECT ENGINEER FOR FURNISHING AND INSTALLING PATTERSON TURBO FANS, AND FOR FINAL MOUNTING LOCATIONS.
8. 36x36 DRAINABLE BLADE LOUVER-GREENHECK MODEL ESD-365 WITH MODEL VCD-23 LOW LEAKAGE DAMPER W/120V AC 2-POSITION ACTUATOR. MOUNT BOTTOM OF LOUVER @ 2'-0" A.F.F.
9. RUN TRUCK EXHAUST HOSES THROUGH DOOR EXHAUST PORT- SEE UPS DETAIL CMSYSTEMS03 FOR OVERHEAD DOOR EXHAUST PORT.
10. COORDINATE MAINTENANCE AREA WITH ARCHITECT & UPS PROJECT ENGINEER.



KEY PLAN

NORTH

REVISIONS:

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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: EJK
DESIGNER: JRF
CHECKED BY: MRB

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UNITED PARCEL SERVICE
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143 N.E. ARMOR GLEN
LAKE CITY, FL

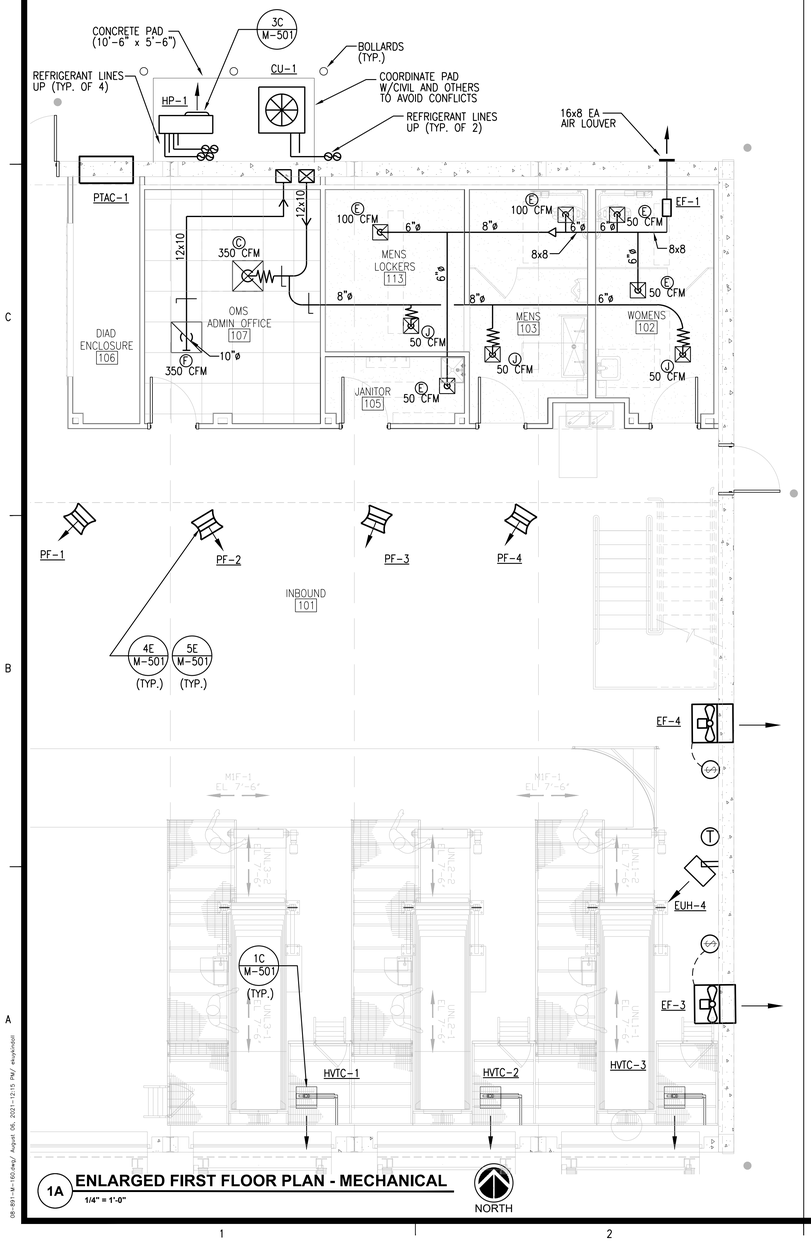
SEAL:

JONATHAN R. FOSHEE No. 89878 STATE OF FLORIDA PROFESSIONAL ENGINEER
8/09/21

SHEET NUMBER:
M-130

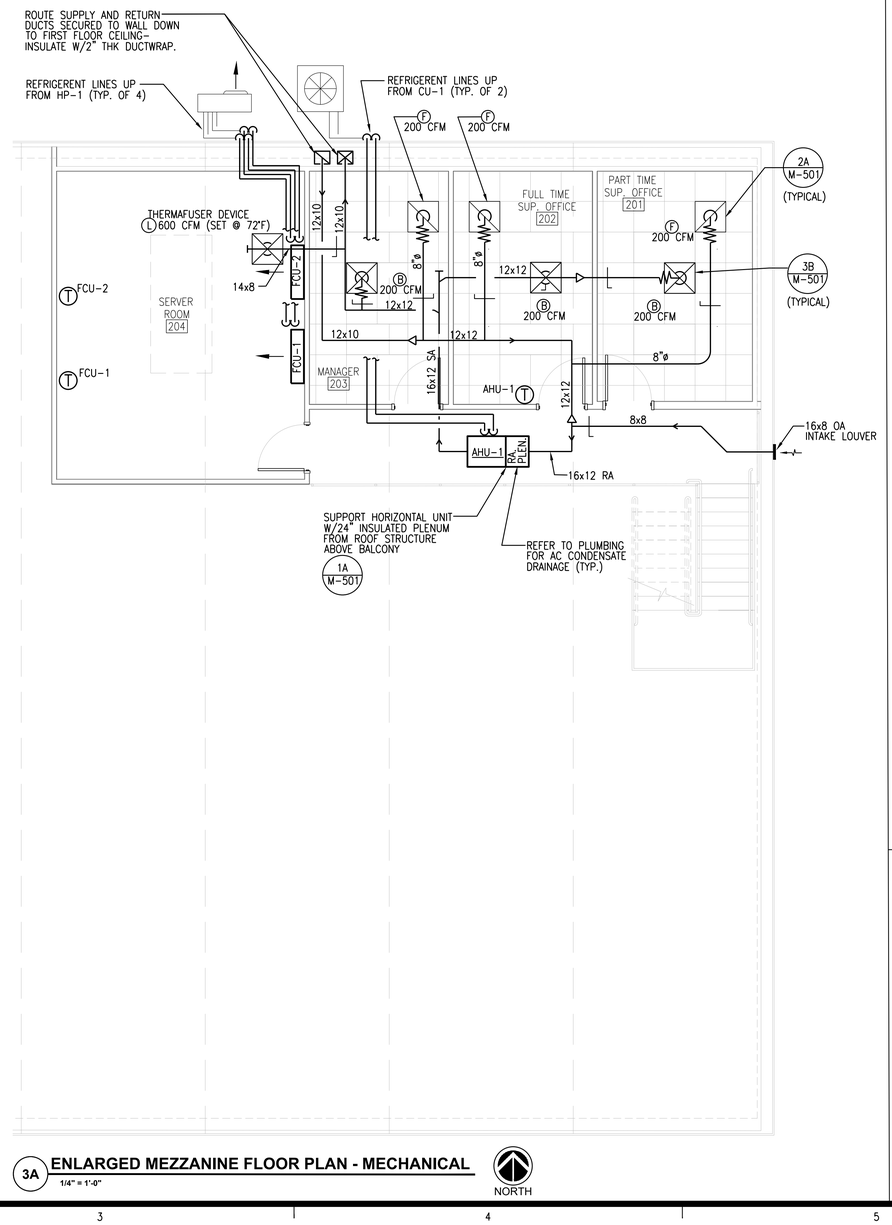
DESCRIPTION:
OVERALL FLOOR PLAN - MECHANICAL

08-851-M-130.dwg/ August 09, 2021 8:51 AM/ ekaykish



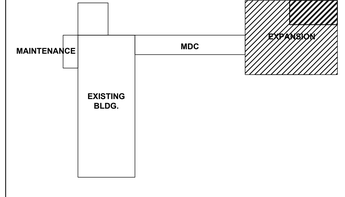
1A **ENLARGED FIRST FLOOR PLAN - MECHANICAL**
1/4" = 1'-0"

NORTH



3A **ENLARGED MEZZANINE FLOOR PLAN - MECHANICAL**
1/4" = 1'-0"

NORTH



KEY PLAN

NORTH

REVISIONS:

1		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: EJK
DESIGNER: JRF
CHECKED BY: MRB

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SEAL:

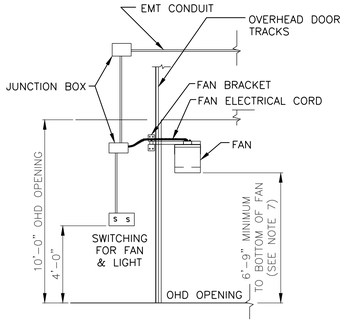
JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/09/21

SHEET NUMBER:

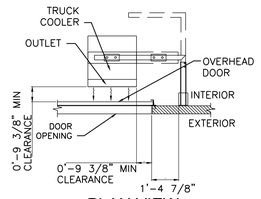
M-160

DESCRIPTION:
ENLARGED FLOOR PLANS - MECHANICAL

08-891-M-160.dwg/ August 09, 2021 - 12:15 PM/ ekuykendall



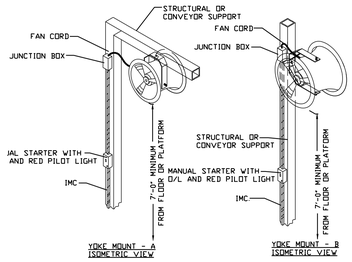
INTERIOR ELEVATION



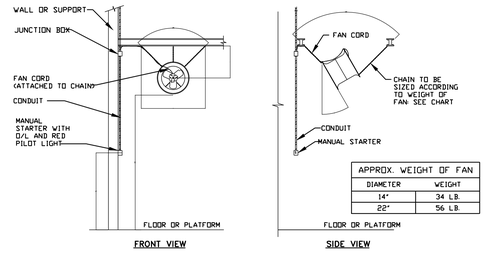
PLAN VIEW

NOTES:
1. FAN AND BRACKET MANUFACTURER:
2. CONTRACTOR TO PROVIDE BLOCKING PLAN, IF NECESSARY.
3. FAN ELECTRICAL CORD TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
4. FAN ELECTRICAL CORD TO BE HARDWIRED TO BRANCH CIRCUIT AT ACCESSIBLE JUNCTION BOX. SECURE FAN ELECTRICAL CORD TO ARM.
5. LOCATE FAN AND LIGHT SWITCHES ON SAME SIDE OF DOOR.
6. CONTRACTOR IS RESPONSIBLE FOR MOUNTING HARDWARE. MOUNTING HARDWARE MUST BE COMPATIBLE WITH BUILDING WALL SYSTEM.
7. COORDINATE WITH TYPE OF OVERHEAD DOOR AND MOUNT FAN TO MAXIMIZE PERSONNEL OPENING.

1C HVTC MOUNTING DETAIL @ INBOUND/OUTBOUND DOOR
NOT TO SCALE — UPS-FAN03



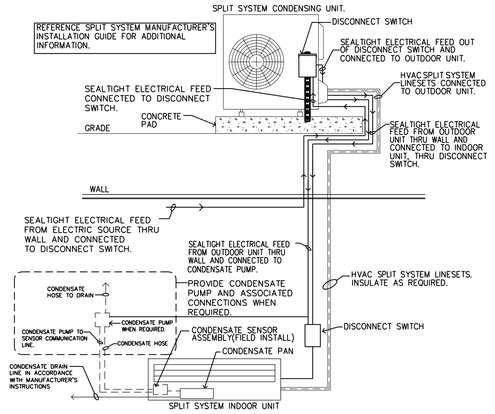
4E YOKE MOUNT FAN INSTALLATION DETAIL
NOT TO SCALE — UPS-FAN02S2



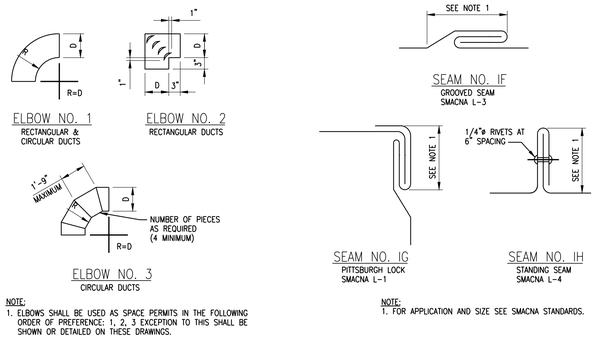
APPROX. WEIGHT OF FAN	
DIAMETER	WEIGHT
14"	34 LB.
22"	56 LB.

X = THE DISTANCE FROM THE CENTER OF THE FAN TO MOUNTING POINTS

5E FAN MOUNTING DETAIL
NOT TO SCALE — UPS-FAN02S1



3C SPLIT SYSTEM INSTALLATION
NOT TO SCALE



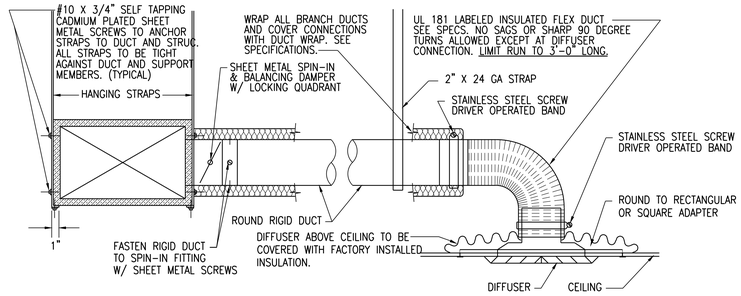
NOTE:
1. ELBOWS SHALL BE USED AS SPACE PERMITS IN THE FOLLOWING ORDER OF PREFERENCE: 1, 2, 3 EXCEPTION TO THIS SHALL BE SHOWN OR DETAILED ON THESE DRAWINGS.

ELBOW DETAILS

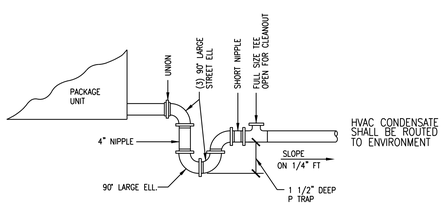
NOTE:
1. FOR APPLICATION AND SIZE SEE SMACNA STANDARDS.

LONGITUDINAL SEAM DETAILS

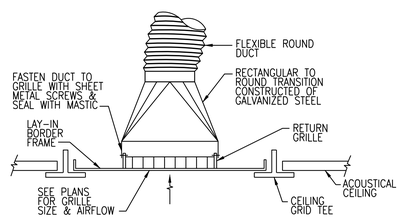
1B STANDARD DUCT DETAILS
NOT TO SCALE



3B TYPICAL DIFFUSER CONNECTION DETAIL
NOT TO SCALE



1A PACKAGE UNIT DRAIN DETAIL
NOT TO SCALE



2A TYPICAL DUCTED RETURN
NOT TO SCALE

REVISIONS:

1		
2		
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LAKE CITY, FL

SEAL:
JONATHAN R. FOSHEE
No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
8/09/21

SHEET NUMBER:
M-501

DESCRIPTION:
MECHANICAL DETAILS

MULTI-SPLIT-SYSTEM HEAT PUMP CONDENSING UNIT OUTDOOR UNIT

GENERAL			COOLING DATA		ELECTRICAL DATA							
							COMPRESSOR		CONDENSER FAN			
MARK	MATCHED WITH FCU	AREA SERVED	REFRIG. TYPE	COND. TEMP. °F	TOTAL UNIT *MCA/ MOCP	UNIT VOLTAGE/ PHASE/HZ	NO.	RLA (EA)	NO.	FLA (EA)	UNIT WEIGHT (LBS)	BASIS OF DESIGN
HP-1	FCU-1/2	SERVER ROOM	R-410A	95	30.0/ 50.0	230-208/1/60	1	23.1	2	0.5	218	LG ARUN048GSS4

* MCA FOR BOTH INDOOR AND OUTDOOR UNITS

NOTES:
1. APPROX. REFRIGERANT LINE SIZES: 3/8" LIQUID LINE, 5/8" GAS LINE.

MULTI-SPLIT-SYSTEM INDOOR FAN COIL UNITS

GENERAL			SUPPLY FAN DATA					HEATING COIL DATA		COOLING COIL DATA					
								HEATING CAPACITY		ENT.AIR		COOLING CAPACITY			
MARK	MATCHED W/ OUTDOOR UNIT	ARRANGEMENT	CFM RANGE	MIN. O/AIR CFM	EXT. STATIC PRESS.	MOTOR HP	UNIT VOLTAGE/ PHASE/HZ	RATED MBH	RANGE TEMP °F	DB °F	WB °F	RATED MBH TC	RATED MBH SC	NOM. TONS	BASIS OF DESIGN
FCU-1	HP-1	WALL MOUNT	537/449/371	---	---	---	230-208/1/60	25.6	-4 TO 61	80.0	67.0	24.2	17.2	2.0	LG ARNU243SKA4
FCU-2	HP-1	WALL MOUNT	537/449/371	---	---	---	230-208/1/60	25.6	-4 TO 61	80.0	67.0	24.2	17.2	2.0	LG ARNU243SKA4

NOTES:
1. PROVIDE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE HAIL GUARDS AND WIND BAFFLE FOR OUTDOOR UNIT.
3. WALL MOUNTED UNITS: PROVIDE WIRED REMOTE CONTROLLER, AND FIELD MOUNTED 115V CONDENSATE PUMP.
4. INVERTER DUTY COMPRESSOR AND VARIABLE FLOW FAN FOR HP-1 SYSTEM.
5. HP-1: SYSTEM ENERGY DATA: SEER: 17.0/EER: 10.5/HSPF: 9.5.
6. DAIKIN APPROVED EQUAL SHALL BE:
   (1) OUTDOOR UNIT: 5MXS48TVJU
   (2) INDOOR UNITS: FTXS24LVJU

DX SPLIT SYSTEM AIR HANDLER SCHEDULE

MARK	SA CFM (NOM)	MIN. O.S.A. CFM	EXT. S.P. IN.	ELECTRICAL				COOLING DATA				HEATING DATA		BASIS OF DESIGN
				UNIT VOLTS/PH/HZ	HP	MCA	MOCP	TOTAL BTUH	SENSIBLE BTUH	E.A.T. DB.	E.A.T. WB.	KW	STAGES	
AHU-1	1100	200	0.75	208-230/1/60	0.5	5.0	15.0	40,410	28,790	80.0	67.0	5.77	1	TRANE GAM5B0C42M31

NOTES:
1. PROVIDE DIGITAL ROOM THERMOSTAT WITH 7-DAY PROGRAMMABILITY AND LOCKING COVER & COND. PAN OVERFLOW SWITCH FOR AHU-1.
2. PROVIDE AHU-1 WITH FILTER HOUSING FOR INSTALLING 1", MERV 8 PLEATED MEDIA FILTERS.
3. ACCEPTABLE MANUFACTURERS SHALL BE AS SPECIFIED.

DX SPLIT SYSTEM CONDENSING UNIT SCHEDULE

MARK	BTUH COOLING CAP 95 AMB.	ELECTRICAL DATA				BASIS OF DESIGN
		FAN HP	VOLTS/PH/HZ	RLA/MCA	MOCP	
CU-1	41,500	0.20	460/3/60	6.0/8.0	15.0	TRANE 4TWA4042A4

NOTES:
1. PROVIDE WITH LOW AMBIENT KIT, WIND BAFFLES, LIQUID LINE SOLINOID VALVE, AND HARD START KIT.
2. UNITARY OUTDOOR HEAT PUMP UNIT SHALL BE MIN. 14.5 SEER, AND UTILIZE R410A REFRIGERANT.
3. PROVIDE REFRIGERANT PIPING SIZES PER MANUFACTURER'S RECOMMENDATIONS.
4. ACCEPTABLE MANUFACTURERS SHALL BE AS SPECIFIED. APPROXIMATE LINE SIZE O.D. GAS = 7/8" AND O.D. LIQUID = 3/8".

ELECTRIC UNIT HEATER SCHEDULE

MARK	TYPE	THROW FT.	CFM	ELECTRICAL DATA		BASIS OF DESIGN
				KW	VOLTAGE	
EUH-1	FAN FORCED	22'	700	7.5	480/3/60	MARKEL MODEL 5100
EUH-2	FAN FORCED	22'	700	7.5	480/3/60	MARKEL MODEL 5100
EUH-3	FAN FORCED	22'	700	7.5	480/3/60	MARKEL MODEL 5100
EUH-4	FAN FORCED	22'	700	7.5	480/3/60	MARKEL MODEL 5100

NOTES:
1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH WALL/CEILING MOUNTING BRACKET.
3. PROVIDE WITH LINE VOLTAGE THERMOSTAT AND SUMMER FAN SWITCH.
4. ACCEPTABLE MANUFACTURERS ARE MARKEL, BERKO, AND Q MARK.

INFRARED RADIANT HEATER SCHEDULE

MARK	KW	ELECTRIC	BASIS OF DESIGN
		VOLTAGE/PHASE/HZ	
IRH 1	4.3	480/3/60	MARKEL MODEL FSS
IRH 2	4.3	480/3/60	MARKEL MODEL FSS

NOTES:
1. UNIT SHALL BE MOUNTED 45° FROM HORIZONTAL POSITION, AT 15'-0" A.F.F.
2. PROVIDE WITH 24V THERMOSTAT, AND ALUMINUM REFLECTOR.
3. MAINTAIN MINIMUM CLEARANCE FROM COMBUSTIBLES, AND MINIMUM HEIGHT FOR HEATER MODEL.
4. ACCEPTABLE MANUFACTURERS ARE MARKEL, BERKO, AND Q MARK.

FAN SCHEDULE

TAG NO.	LOCATION	AREA SERVED	FAN TYPE	DRIVE	AIRFLOW CFM	STATIC PRESS. IN W.G.	HP (WATTS)	SONES (DBA)	UNIT WEIGHT (LBS)	BASIS OF DESIGN	ELEC. DATA			NOTES
											VOLTS	PH	HZ	
EF-1	OFFICE AREA	TOILETS	CEILING CABINET	DIRECT	350	0.375	(134)	3.0	30	GREENHECK CSP-A390	115	1	60	1,2,3,10
EF-2	SORT FACILITY	MAINT. SHOP	WALL MTD. PROP.	DIRECT	2700/1800	0.100	3/4	7.9	140	GREENHECK SE1-18-429-VG	115	1	60	2,5,6,7,9,10
EF-3	SORT FACILITY	SORT AREA	WALL MTD. PROP.	DIRECT	2100	0.100	1/4	9.2	120	GREENHECK SE1-18-429-B4	115	1	60	2,6,7,9,10
EF-4	SORT FACILITY	SORT AREA	WALL MTD. PROP.	DIRECT	2100	0.100	1/4	9.2	120	GREENHECK SE1-18-429-B4	115	1	60	2,6,7,9,10
PF-1, 2, 3, 4	SORT FACILITY	SORT AREA	HIGH VELOCITY	DIRECT	5500	--	1/2	-	90	PATTERSON FAN	115	1	60	4,8
PF-5, 6	OUTBOUND	MAINT. SHOP	HIGH VELOCITY	DIRECT	5500	--	1/2	-	90	PATTERSON FAN	115	1	60	4,8
HVTC-1, 2, 3	SORT FACILITY	SORT AREA	HIGH VELOCITY	DIRECT	3200	--	3/4	-	60	PATTERSON FAN	115	1	60	4,8

NOTES:
1. PROVIDE FAN WITH MFRS. EXHAUST VENT LOUVER.
2. PROVIDE FAN WITH FAN SPEED CONTROLLER (PRE-WIRED) AND DISCONNECT.
3. PROVIDE FAN WITH ISOLATOR KIT & FLEX CONN.
4. PROVIDE FAN WITH MOUNTING BRACKET.
5. VG MOTOR WITH VARIABLE SPEED OPERATION FROM NO2-CO2 SENSOR EQUAL TO BRASCH MODEL GSE-NCM COMBINATION DETECTOR.
6. DISCHARGE SHUTTER
7. BACKGUARD AND WALL SLEEVE
8. MANUAL ON/OFF SWITCH-PROVIDE DOCK DOOR FANS WITH 2-HOUR TIMER SWITCH. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION.
9. MANUAL ON/OFF SWITCH CONTROL AT WALL.
10. FAN SHALL RUN CONTINUOUSLY

AIR DISTRIBUTION SCHEDULE

MARK	AIR FLOW		NECK DIA.	PANEL SIZE	SERVICE	FRAME TYPE	BASIS OF DESIGN
	MIN.	MAX.					
Ⓐ	0	150	6	24X24	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓑ	155	280	8	24X24	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓒ	285	420	10	24X24	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓓ	425	550	12	24X24	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓔ	SEE DWGS.	SEE DWGS.	SEE DWGS.	12X12	RETURN/EXHAUST	SEE RCP	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES-SINGLE 35° DEFL, TITUS 350 FL
Ⓕ	SEE DWGS.	SEE DWGS.	SEE DWGS.	24X24	RETURN/EXHAUST	SEE RCP	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES-SINGLE 35° DEFL, TITUS 350 FL
Ⓖ	SEE DWGS.	SEE DWGS.	SEE DWGS.	SEE DWGS.	SUPPLY	SIDE-WALL	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES DOUBLE DEFL, TITUS 300 FL
Ⓗ	SEE DWGS.	SEE DWGS.	SEE DWGS.	SEE DWGS.	RETURN/EXHAUST	SIDE-WALL	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES-SINGLE 35° DEFL, TITUS 350 FL
Ⓙ	0	150	6	12X12	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓚ	155	280	8	12X12	SUPPLY	SEE RCP	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK, TITUS TMS
Ⓛ	0	720	12	24X24	SUPPLY	SEE RCP	THERMA-FUSER HEATING/COOLING THERMALLY POWERED VAV MODULE
Ⓜ	SEE DWGS.	SEE DWGS.	SEE DWGS.	SEE DWGS.	RETURN	SIDE-WALL	HEAVY DUTY, ALUMINUM BAR-TYPE WITH 1/2" SPACED BLADES-SINGLE 0° DEFL, TITUS 60FL

NOTES:
1. ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES SHALL BE SUPPLIED WITH FRAME STYLE TO MATCH TYPE OF CEILING WHERE SHOWN TO BE INSTALLED. REFER TO THE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
2. THE LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL LIGHT FIXTURE LAYOUT.
3. THE COLOR OF ALL AIR DISTRIBUTION SHALL BE AS SPECIFIED IN SPECIFICATION SECTION 23 37 00.
4. PROVIDE FULL SIZE DUCT COLLAR ON TYPE Ⓔ AND Ⓕ DEVICE WITH 6" PLENUM AS NOTED ON PLANS.
5. PROVIDE RADIAL DAMPER FOR TYPE Ⓐ, Ⓑ, Ⓒ AND Ⓓ DEVICES.
6. PROVIDE OBVD FOR TYPE Ⓒ AND Ⓗ DEVICES.
7. INSULATE BACK PANS OF TYPE Ⓐ, Ⓑ, Ⓒ, Ⓓ, Ⓙ AND Ⓚ DEVICES.
8. NECK DIAMETER IS INLET DUCT SIZE.
9. PROVIDE OBVD OR RADIAL DAMPER AT DEVICES LOCATED ABOVE HARD CEILINGS.

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: EJK
DESIGNER: JRF
CHECKED BY: MRB

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No. 89878
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08/09/21

SHEET NUMBER:
M-601

DESCRIPTION:
MECHANICAL SCHEDULES

08-891-M-601.dwg/ August 06, 2021-12:16 PM/ ekuykendall

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
GENERAL	
(T)	THERMOSTAT
T	TRANSFORMER
▬	PANELBOARD, SEE PANEL SCHEDULES FOR DETAILS
▨	DISTRIBUTION PANELBOARD, M.H. = 6'–6" TO ℄ OF HANDLE, CIR. NO.1
MCC	MOTOR CONTROL CENTER
LC	LIGHTING CONTACTOR
TS	TIME SWITCH
⌒	RACEWAY CONCEALED IN WALL OR CEILING
⌒	RACEWAY CONCEALED UNDER FLOOR OR BELOW GRADE
——	RACEWAY EXPOSED ON WALL OR CEILING
LA:2,4	HOMERUN TO PANELBOARD – LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT
—o	CONDUIT RISER UP
—●	CONDUIT RISER DOWN
—⊣	CONDUIT STUBBED AND CAPPED
NOTE:	ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 WIRE NO.12 AWG CIRCUIT WITH A No.12 GROUND, A GREATER NUMBER OF WIRES IS INDICATED AS FOLLOWS: 3 WIRE, 2 CIRCUITS & GROUND (LONGER SLASH INDICATES NEUTRAL) 4 WIRE, 3 CIRCUITS & GROUND, ETC. (WIRING LARGER THAN NO.12 AWG SHALL BE AS NOTED)
T	RACEWAY FOR TELEPHONE SYSTEM, 3/4" CONDUIT UON
D	RACEWAY FOR DATA SYSTEM, 3/4" CONDUIT UON
	MOTOR, SIZE AS INDICATED
	MANUAL MOTOR STARTER SWITCH, SINGLE POLE, WITH THERMAL OVERLOADS AND LOCK–OFF GUARD, UNLESS OTHERWISE NOTED
⊠	FVNR MAGNETIC MOTOR STARTER, NEMA SIZE AS NOTED
⊠H	COMBINATION FVNR MOTOR STARTER & DISCONNECT SWITCH, NEMA SIZE AS NOTED
□H	NONFUSIBLE SAFETY SWITCH, 30A., 3 POLE UNLESS OTHERWISE NOTED
⧄H	FUSIBLE SAFETY SWITCH, 30A., 3 POLE, FUSED AS INDICATED
	CONNECTION TO EQUIPMENT
a,b,c	SUBSCRIPTS a,b,c, etc. INDICATE DEVICE AND CONTROLLER USED IN CONJUNCTION WITH EACH OTHER. THIS WILL ONLY BE USED WHERE IT IS NOT CLEARLY INDICATED BY THE CIRCUITRY
	GROUND ROD
	JUNCTION BOX
	PUSHBUTTON (TYPE AS INDICATED)
CP	EQUIPMENT CONTROL PANEL, UNIT MOUNTED
RECEPTACLES	
	DUPLEX RECEPTACLE, NEMA 5, 120V., MH–18" UNO
	FLOOR OUTLET WITH DUPLEX RECEPTACLE, 15A., NEMA 5, 120V.
	DUPLEX RECEPTACLE, 15A., NEMA 5, 120V., MOUNTED ABOVE COUNTER OR 4'–0" AFF
	SINGLE RECEPTACLE, 20A., NEMA 5, 120V.
A	SPECIAL PURPOSE RECEPTACLE, TYPE AS INDICATED.
	ISOLATED GROUND RECEPTACLE, 20A., 120V., MH–18" UNO
X IN	MULTIOUTLET ASSEMBLY WITH NEMA 5., 120V. OUTLETS SPACED AS INDICATED BY "X" INCHES
	DUPLEX RECEPTACLE, NEMA 5, 120V., GROUND FAULT INTERRUPTING, MH=18" UNO
	DUPLEX RECEPTACLE, NEMA 5, 120V., GFI, WEATHERPROOF, MH=24" UNO
	QUADRUPLEX RECEPTACLE (TWO 15A., NEMA 5, 120V. DUPLEX RECEPTACLES MTD. IN A TWO–GANG BOX)
	QUADRUPLEX ISOLATED GROUND RECEPTACLE (TWO 15A., NEMA 5, 120V. ISOLATED GROUND DUPLEX RECEPTACLES MTD. IN A TWO–GANG BOX)
WIC	DUPLEX RECEPTACLE, NEMA 5, 120V., GFI, WHILE IN USE COVER, MH=36" UNO
	BUILDING/PANEL MATE LINE PRE–WIRE CONDUIT CROSS OVER/JUNCTION
	PRE–WIRE WHIP CONNECTION POINT FOR LIGHT OR EQUIPMENT FIXTURE

SYMBOL	DISCRIPTION
LIGHTING	
A	LED FIXTURE, RECESSED LAY–IN OR FLANGED TYPE, LETTER INDICATES TYPE
	LED FIXTURE WITH EMERGENCY BATTERY BALLAST, LAY–IN OR SURFACE MTD.
	LED FIXTURE, SURFACE OR PENDANT MOUNTED
	RECESSED CAN OR PENDANT MOUNTED LIGHT FIXTURE. LAMP SOURCE AS INDICATED IN SCHEDULE.
	RECESSED CAN OR PENDANT MOUNTED LIGHT FIXTURE WITH BATTERY BALLAST OR QUARTZ RESTRIKE. LAMP SOURCE AS INDICATED IN SCHEDULE.
	LIGHTING FIXTURE, WALL MOUNTED
	BATTERY OPERATED EMERGENCY LIGHT WITH TWO HEADS
	SINGLE FACE EXIT LIGHT, WALL MOUNTED, HATCHED AREA INDICATES FACE
	DUAL FACE EXIT LIGHT, WALL MOUNTED, HATCHED AREA INDICATES FACE DIRECTIONAL ARROWS WHERE INDICATED
	EXTERIOR POLE MOUNTED LIGHTING FIXTURE
SWITCHES	
S	SINGLE POLE SWITCH
S_3	THREE WAY SWITCH
S_4	FOUR WAY SWITCH
S_D	DIMMER SWITCH, WATTAGE AS NOTED
S_{OS}	OCCUPANCY SENSOR – WALL MOUNT
OS	OCCUPANCY SENSOR – CEILING MOUNT
RC	ROOM CONTROLLER
	DAYLIGHT SENSOR – CEILING MOUNT
AUXILIARY	
	TELEPHONE OUTLET WITH 3/4"C. STUBBED 6" ABOVE CLG, M.H. = 1'–6" AFF
W	TELEPHONE OUTLET, WALL MOUNT WITH 3/4" C STUB. 6" ABOVE CLG, MH=4'–0" AFF
	FLOOR MOUNTED TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED 6" ABOVE CEILING
	DATA OUTLET WITH 3/4" CONDUIT STUBBED 6" ABOVE CEILING, M.H. = 1'–6" AFF
	FLOOR MOUNTED DATA OUTLET WITH 3/4" CONDUIT STUBBED 6" ABOVE CEILING
S	SPEAKER
TV	TELEVISION OUTLET
M	MICROPHONE OUTLET
IC	TELEPHONE TYPE OUTLET FOR INTERCOM
CR	ACCESS CONTROL CARD READER – INCLUDE ELECTRIC LOCK ETC
	CLOSED CIRCUIT TELEVISION CAMERA (CCTV) – PTZ = PAN TILT ZOOM CONTROLS
	DATA/TELEPHONE OUTLET MOUNTING HEIGHT AS NOTED
GROUNDING	
G	GROUNDING CONDUCTOR INSTALLED BELOW GRADE #4/0 AWG. TINNED, BARE, STRANDED COPPER CONDUCTOR, UNLESS NOTED OTHERWISE.
	GROUNDING CONDUCTOR CONNECTION, COPPER CABLE TO STEEL COLUMN. CADWELD TYPE "VB", OTHER MOLDS MAY BE USED WITH PRIOR APPROVAL.
	GROUND ROD, 3/4"ø x 10'–0" COPPER CLAD STEEL ROD
TW	GROUNDING CONDUCTOR CONNECTION COMPLETE WITH TEST WELL, COPPER CABLE TO GROUND ROD, CADWELD TYPES "GT" & "NC". REFER TO DETAIL 1C ON SHEET E–503 AND GENERAL NOTE 14 ON THIS SHEET.
FIRE ALARM	
FACP	FIRE ALARM CONTROL PANEL, MOUNT TOP OF PANEL @ 6'–0"
FAAP	FIRE ALARM REMOTE ANNUNCIATOR, MOUNT TOP OF PANEL @ 6'–0"
F	FIRE ALARM PULL STATION, MOUNT AT 48" AFF, UON (ON MARLITE COVERED WALLS, MOUNT AT 42" AFF)
F 15	COMBINATION STROBE LIGHT AND HORN, WALL MOUNTED AT 80"AFF. NUMBER INDICATES CANDELLA RATING.
F 15	STROBE LIGHT ONLY, WALL MOUNTED AT 80"AFF NUMBER INDICATES CANDELLA RATING
15	COMBINATION STROBE LIGHT AND HORN MOUNTED ON CEILING OR BOTTOM OF STRUCTURE. NUMBER INDICATES CANDELLA RATING.
15	STROBE LIGHT IN OPEN AREA MOUNTED MOUNTED ON CEILING OR BOTTOM OF STRUCTURE. NUMBER INDICATES CANDELLA RATING.
SD	SMOKE DETECTOR, WALL OR CEILING MOUNTED AS NOTED
FM	FIRE ALARM CONNECTION TO FLOW SWITCH (M.H. AS REQ'D)
FT	FIRE ALARM CONNECTION TO TAMPER SWITCH (M.H. AS REQ'D)

GENERAL NOTES: NOT ALL SYMBOLS APPLY TO THIS PROJECT

ELECTRICAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CF	COMPACT FLUORESCENT
CH	COUNTER HEIGHT
CKT	CIRCUIT
CL	CLOCK
CLG	CEILING
CNTRL	CONTROL
CONN	CONNECTION
CR	CONTROL RELAY
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DM	DEMAND
DWG	DRAWING
EC	EMPTY CONDUIT
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FLUOR	FLUORESCENT
FLR	FLOOR
FVNR	FULL VOLTAGE NON REVERSING
GB	GROUND BUSBAR
GFI	GROUND FAULT INTERRUPTING
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND–OFF–AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INC	INCANDESCENT
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLTS
KVA	KILOVOLT–AMPERES
KW	KILOWATT
LC	LIGHTING CONTACTOR
LTG	LIGHTING
MAG	MAGNETIC
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG HT	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PC	PART CIRCUIT
PF	POWER FACTOR
PH OR ø	PHASE
PIV	POST INDICATOR VALVE
PNL	PANELBOARD
REF	REFERENCE
RECEPT	RECEPTACLE
RGSC	RIGID GALVANIZED STEEL CONDUIT
S	SURFACE MOUNT
SCH	SCHEDULE
SN	SOLID NEUTRAL
SPECS	SPECIFICATIONS
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
SBRD	SWITCHBOARD
SWGR	SWITCHGEAR
TBB	TELEPHONE BACKBOARD
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UOI	UNLESS OTHERWISE INDICATED
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
30/3	30 AMPERE, 3 POLE

PROJECT GENERAL NOTES

1. THE PLANS AND WIRING RUNS ARE GENERALLY DIAGRAMMATIC. THE CONTRACTOR SHALL HARMONIZE THE WORK OF THE DIFFERENT TRADES SO THAT INTERFACE BETWEEN CONDUIT, PIPING, EQUIPMENT, ARCHITECTURAL, AND STRUCTURAL WORK WILL BE AVOIDED.
2. UNLESS OTHERWISE NOTED. PROVIDE 4 #12 AWG CONDUCTORS FOR BRANCH CIRCUITS. FOR BRANCH CIRCUIT RUNS OVER 75 FEET IN LENGTH, MEASURED ONE WAY FROM THE PANEL TO THE FIRST OUTLET OF THE CIRCUIT, PROVIDE #10 AWG CONDUCTOR FOR THE ENTIRE LENGTH OF THE CIRCUIT.
3. DIMENSION NOTED FOR WALL MOUNTED OUTLETS ARE TO TOP OF BOX
4. PROVIDE RUNS OF EMPTY CONDUIT OVER 25 FEET IN LENGTH WITH A POLY PULL CORD.
5. ANY SYMBOL SHOWN GRAYED BACK INDICATES AN EXISTING OUTLET, CONDUIT, LIGHT FIXTURE, ETC.
6. ABBREVIATIONS MAY BE USED FOR SYMBOL SUBSCRIPTS.
7. NUMBERS FOR EXISTING CIRCUITS ARE TAKEN FROM BUILDING DESIGN DRAWINGS AND MAY NOT REFLECT CONDITIONS AS INSTALLED. FIELD CONFIRM CORRECTNESS OF CIRCUITS AND DOCUMENT ON RECORD DRAWINGS ALL CHANGES ENCOUNTERED.
8. PROVIDE GROUNDING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C.) ARTICLE 250.
9. PROVIDE ALL BRANCH CIRCUIT WIRING AND RACEWAYS TO ALL FIXTURES, DEVICES AND EQUIPMENT TO CONNECT THEM TO THE CIRCUITS INDICATED.
10. SEE SHEETS E–501, E–502 AND E–503 FOR ELECTRICAL DETAILS
11. FIELD INVESTIGATE CIRCUITING AND MAKE ADJUSTMENTS TO CIRCUIT ASSIGNMENTS IN PANELS TO ENSURE PHASE BALANCING UTILIZING AVAILABLE SPACE.
12. WHERE INDICATED THE CONTRACTOR SHALL TRACE ALL EXISTING BRANCH CIRCUITS AND FEEDERS. REMOVE ALL INACTIVE CIRCUIT WIRING AND MARK THE BREAKER AS SPARE. PROVIDE NEW CIRCUIT CARDS IN ALL OF THE EXISTING PANELS AND LABEL DEVICES IN SWITCHBOARD CORRECTLY.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FINAL CONNECTIONS TO ALL OWNER FURNISHED EQUIPMENT. COMPLY WITH THE AHJ AND MANUFACTURERS REQUIREMENTS
14. ALL WIRING SHALL BE INSTALLED IN CONDUIT. PROVIDE THE CONDUIT TYPE AND FITTINGS IN ACCORDANCE TO SPECIFICATIONS AND CONNECT WIRING TO EQUIPMENT AND DEVICES AS REQUIRED BY MANUFACTURERS INSTRUCTIONS. (1)
15. ALL HORIZONTAL RUNS OF CONDUIT AND CABLE SHALL BE RUN AT THE UNDERSIDE OF ROOF STRUCTURE.
16. WIRE FOR BRANCH CIRCUITS AND SUBFEEDERS IS TO BE COPPER UNLESS OTHERWISE NOTED.
17. PROVIDE DEDICATED NEUTRAL FOR ALL LIGHTING AND RECEPTACLE CIRCUITS
18. GROUND WIRE SHALL BE INCLUDED IN ALL CONDUITS
19. IN GENERAL, BRANCH CIRCUIT WIRING IS NOT SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO CIRCUIT ALL THE FIXTURES, OUTLETS, AND EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT MANUAL AND SCHEDULES ON THE DRAWINGS.
20. ALL RECEPTACLES, DISCONNECTS, OUTLETS AND OTHER ELECTRICAL CONNECTIONS TO HAVE A PERMANENT INDELIBLE ENGRAVED LABEL SCREW FIXED DIRECTLY BELOW OR ADJACENT THE DEVICE WITH TWO SCREWS. THE LABEL SHALL GIVE THE SOURCE PANEL DESIGNATION AS WELL AS THE UNIQUE CIRCUIT NUMBER/DESIGNATION FOR THE DEVICE OR GROUP OF DEVICES

REVISIONS:

1	10/27/21	ADDENDUM #2

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER CERTIFICATE #38203 STATE OF FLORIDA REGISTERED ENGINEER
10/27/21

SHEET NUMBER:
E-001

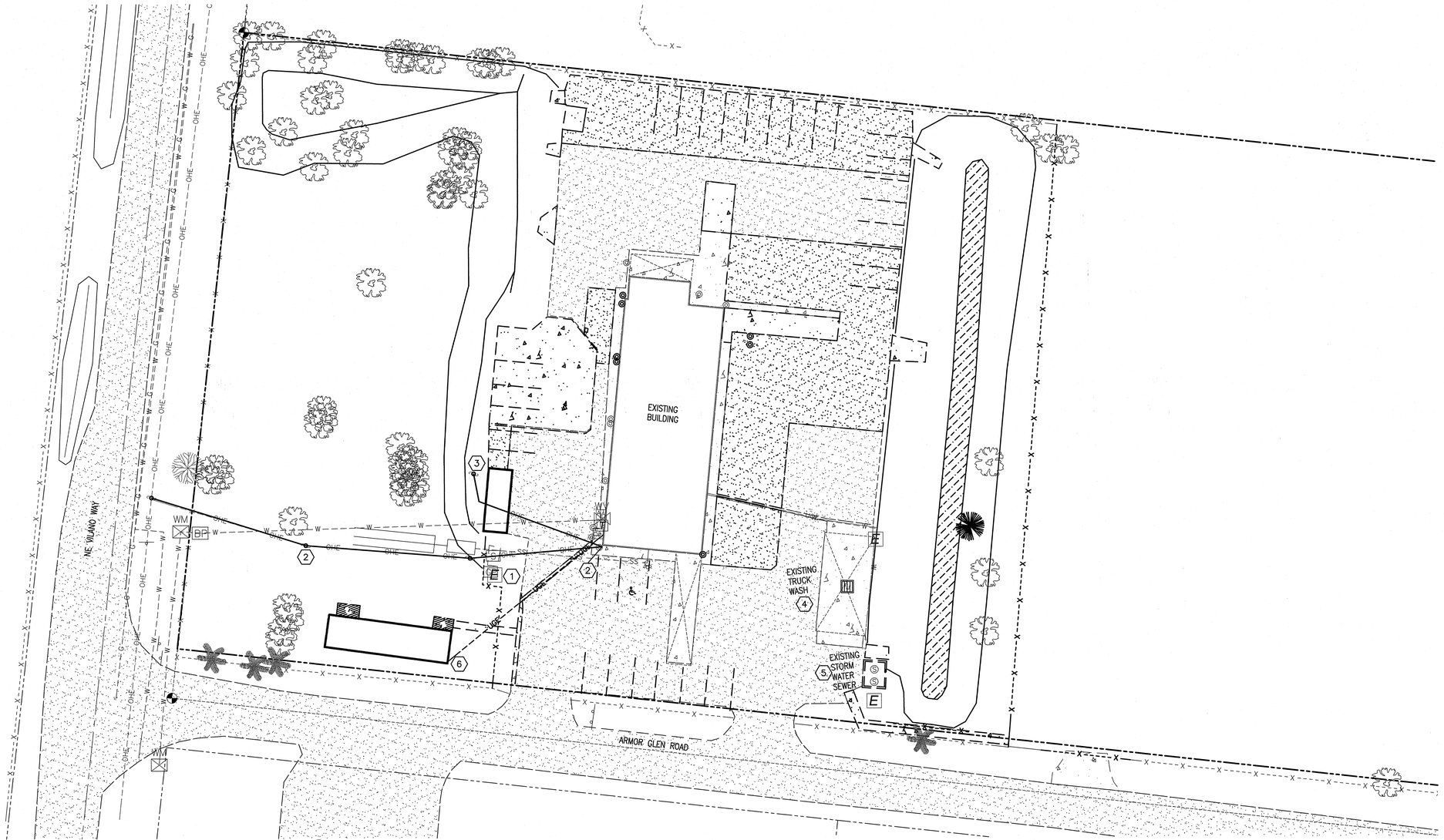
DESCRIPTION:
ELECTRICAL LEGEND AND GENERAL NOTES

KEYNOTES

1. EXISTING TO REMAIN POWER FOR SANITARY SEWER PUMP.
2. DISCONNECT AND REMOVE EXISTING BUILDING SERVICE AFTER NEW SERVICE IS INSTALLED AND IN OPERATION. COORDINATE WITH FLORIDA POWER AND LIGHT AND THE UPS PROJECT ENGINEER FOR DISCONNECTION AND REMOVAL.
3. DISCONNECT AND REMOVE ELECTRICAL OVERHEAD WIRING, POLE, AND EQUIPMENT FOR TRAILER. COORDINATE WITH UPS PROJECT ENGINEER FOR REMOVAL AND DISPOSAL.
4. EXISTING TRUCK WASH ALL FEEDERS, LIGHTING FIXTURES, AND POWER DEVICE TO REMAIN.
5. EXISTING STORM WATER SEWER. ALL ELECTRICAL TO REMAIN.
6. DISCONNECT AND REMOVE ALL FEEDERS AND EQUIPMENT TO MOBILE TRAILER, ABANDON UNDERGROUND CONDUIT IN PLACE.

GENERAL NOTES

1. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVED SURFACES (NEW AND EXISTING) ETC.
2. SEE CIVIL PLANS FOR LOCATIONS OF EXISTING UTILITIES.
3. COORDINATE WITH OTHER TRADES FOR DEMOLITION OF UNDERGROUND AND OVERHEAD ELECTRICAL UTILITIES TO AVOID UNDERGROUND PIPING AND STRUCTURE.
4. COORDINATE WITH UPS PROJECT ENGINEER FOR PHASING ORDER OF DEMOLITION WORK.
5. DISPOSE OF DEMOLISHED EQUIPMENT, FIXTURES, CONDUIT, AND WIRING IN A PROPER AND LAWFUL MANNER.



2A ELECTRICAL DEMOLITION SITE PLAN
1" = 20'-0"

NORTH

REVISIONS:

1		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
8/9/21

SHEET NUMBER:
E-100

DESCRIPTION:
ELECTRICAL DEMOLITION SITE PLAN

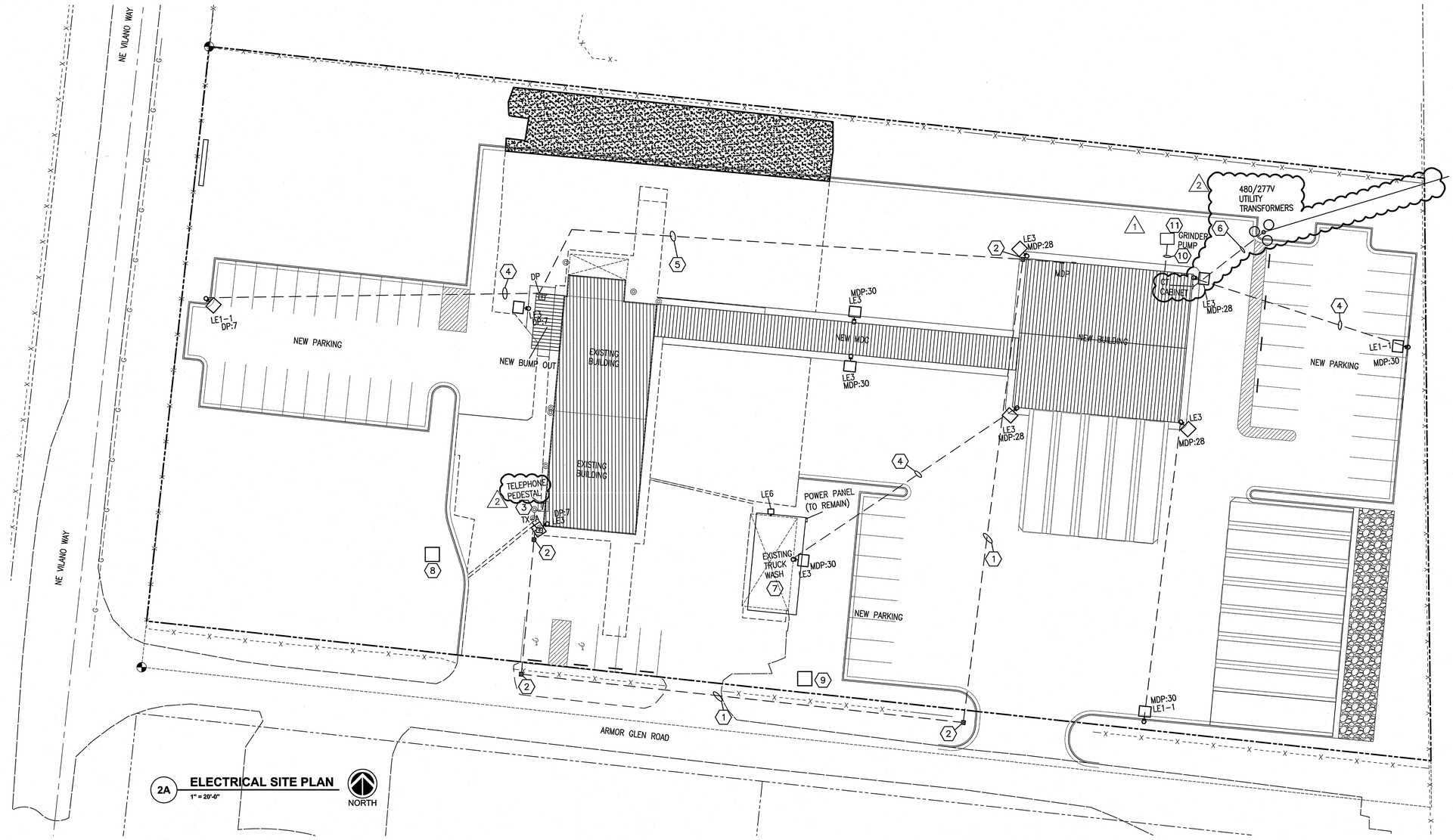
August 09, 2021 Jeffrey Mullenax
P:\26197.00\CAD-LAKE CITY R020\Sheets\XR-ARY-E-100.dwg

KEYNOTES

1. PROVIDE CONDUIT AND WIRING FOR FEEDER FROM NEW DISTRIBUTION PANEL IN NEW STRUCTURE TO CONNECTIONS FOR EXISTING STRUCTURE. SEE SINGLE LINE DIAGRAM ON SHEET E601 FOR CONDUCTOR AND CONDUIT SIZE AND TYPE.
2. PROVIDE QUAZITE HANDHOLE ENCLOSURES FOR INGROUND PULL BOXES. PLACE ALL HANDHOLES IN NON-TRAFFIC AREAS.
3. PROVIDE NEW TRANSFORMER TX-A FORM CONNECTION TO EXISTING PANEL 'A' IN EXISTING BUILDING. SEE SINGLE LINE DIAGRAM ON SHEET E-601 FOR SIZE AND TYPE. PROVIDE 4" HOUSEKEEPING PAD AND PROTECT WITH BOLLARDS.
4. PROVIDE CONDUITS TO EXTERIOR POLE LIGHTING. SEE GENERAL NOTE #6 FOR CONDUCTOR SIZE.
5. PROVIDE FEEDER CONDUCTORS AND CONDUITS FROM PANEL 'MDP' IN NEW STRUCTURE TO PANEL 'DP' IN NEW BUMP OUT OF EXISTING BUILDING.
6. PROVIDE SERVICE ENTRANCE CONDUIT AND CONDUCTORS FOR NEW STRUCTURE. SEE SINGLE LINE DIAGRAM ON SHEET E601 FOR SIZE AND TYPE. COORDINATE WITH FLORIDA POWER AND LIGHT AND UPS PROJECT ENGINEER FOR INSTALLATION AND CONNECTION.
7. EXISTING TRUCK WASH. ALL CONDUITS, CONDUCTORS, AND FIXTURES ARE EXISTING TO REMAIN.
8. EXISTING SANITARY SEWER PUMP. ALL CONDUIT AND CONDUCTORS ARE EXISTING TO REMAIN.
9. EXISTING STORM WATER PUMP AND CONTROLS. ALL CONDUIT AND CONDUCTORS ARE EXISTING TO REMAIN.
10. (3) 2#10, 1#10G. IN A 1"C. FROM PANEL 'C' TO GRINDER PUMP CONTROL PANEL. (2 PUMP CIRCUITS AND 1 CONTROL/ALARM CIRCUIT)
11. GRINDER PUMP CONTROL PANEL. COORDINATE WITH PLUMBING INSTALLER FOR EXACT LOCATION OF CONTROL PANEL AND CONNECTIONS.

GENERAL NOTES

1. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVED SURFACES (NEW AND EXISTING) ETC.
2. REFER TO THE PROJECT MANUAL/SPECIFICATIONS SECTION 265000 FOR LIGHT AND POLE FIXTURE TYPES.
3. EXTERIOR LIGHTS SWITCHED THRU FIXTURE MOUNTED PHOTOCELLS
4. THE SITE LIGHTING LAYOUT SHOWN ON THIS DRAWING IS PROVISIONAL. THE CONTRACTOR SHALL ALLOW FOR A PHOTOMETRIC ANALYSIS BASED ON THE FIXTURES OFFERED IN ACCORDANCE WITH THE PROJECT MANUAL. BASED ON THE FINAL DESIGN THE FIXTURES SHALL BE LOCATED AND AIMED TO ACHIEVE THE LIGHTING LEVELS SPECIFIED.
5. THE CIRCUIT NUMBERING INDICATES TYPICALLY THE PANEL:# EXAMPLE- LPA:26
6. TYPE OF FIXTURES AND POLE ARRANGEMENT AS INDICATED NEXT TO EACH FIXTURE. REFER TO THE PROJECT MANUAL FOR FIXTURE DESCRIPTION AND SPECIFICATION/S
7. ALL LIGHTING CIRCUIT SHALL BE CONTROLLED BY A SEVEN-DAY/SEASONAL PROGRAMMABLE TIMER WITH ASTRONOMIC CORRECTION AND A 4 HOUR BATTERY BACKUP.
8. ALL EXTERNAL LIGHT FIXTURES SHALL BE CONTROLLED BY A PHOTOCELL IN ADDITION TO THE TIMER DESCRIBED ABOVE
9. ALL LIGHT SOURCES OVER 100 WATTS AND NOT CONTROLLED BY A MOTION SENSOR SHALL HAVE A SOURCE EFFICACY OF AT LEAST 60 LUMENS PER WATT
10. LE1 FIXTURES ARE MOUNTED ON POLES AT 25'-0"
11. LE3 FIXTURES ARE MOUNTED ON EXTERIOR OF BUILDING AT 25'-0" AFG ACCORDING TO THE DETAIL 5B ON SHEET E-501.
12. LE6 FIXTURES ARE MOUNTED ON BUILDING AT 20'-0"
13. SEE SHEET E-601 FOR UNDERGROUND SECONDARY CONDUCTOR AND CONDUIT SIZE.
14. CONDUCTORS TO SITE LIGHTING LE1 FIXTURE SHALL BE #6 AWG. CU. TO ALLOW FOR VOLTAGE DROP.
15. SEE CIVIL DRAWINGS AND COORDINATE WITH OTHER TRADES ON CONDUIT ROUTING AND POLE PLACEMENT TO AVOID CONFLICT WITH NEW OR EXISTING WATER, GAS, SANITARY SEWER, STORMWATER DRAINAGE, AND ANY OTHER PIPING THAT MAY BE PRESENT.
16. PHOTOMETRIC STUDY UTILIZED ACUITY LITHONIA LIGHTING DSX2 LED P7 T4M MVOLT SITE LIGHTING FOR LE1 AND LE3. WITH FIXTURES MOUNTED AT 25 FEET ABOVE FINISH GRADE AND ACUITY LITHONIA LIGHTING DSXW1 20C 700 40K T3M MVOLT (LE6) EXTERIOR BUILDING WALL MOUNT LIGHTING FOR AN AVERAGE 3.6 FOOT CANDLES. IF ALTERNATE FIXTURES ARE USED AS ALLOWED BY SPECIFICATIONS RERUN PHOTOMETRIC STUDY FOR AN AVERAGE OF 2.0 FOOT CANDLES ACROSS ENTIRE SITE.



2A **ELECTRICAL SITE PLAN**
1" = 20'-0"

NORTH

REVISIONS:		
1	10/21/21	ADDENDUM #1
2	10/27/21	ADDENDUM #2

PROJECT #:	26197.00
DATE:	AUGUST 09, 2021
DRAWN BY:	PFI
DESIGNER:	PFI
CHECKED BY:	PFI

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

UPS

SEAL:

RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
10/27/21

SHEET NUMBER:

E-101

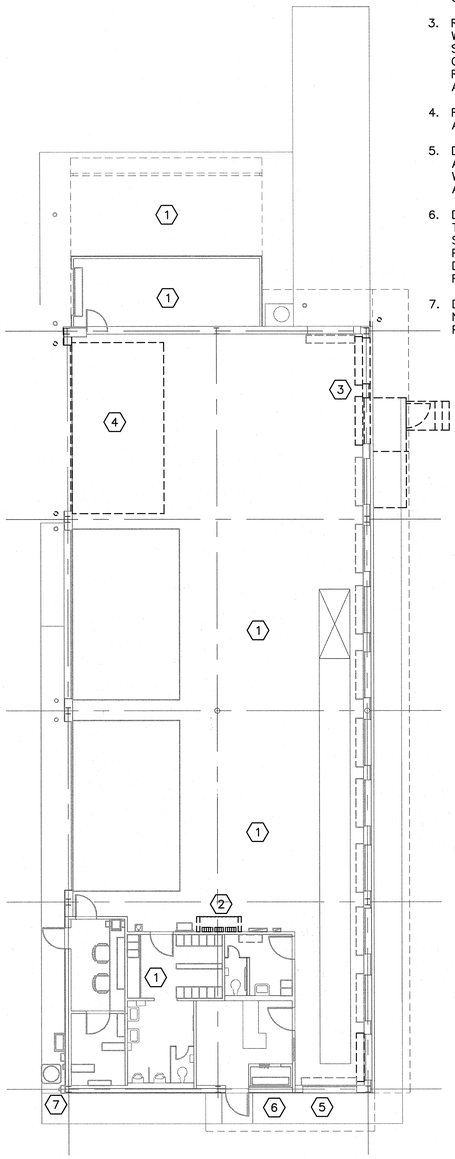
DESCRIPTION:
ELECTRICAL SITE PLAN

KEYNOTES

1. LIGHTING AND POWER DEVICES IN THIS AREA IS EXITING TO REMAIN..
2. REMOVE LIGHTING FIXTURES, POWER DEVICES, WIRING AND CONDUIT BACK TO THE SOURCE FOR DIAD CABINET.
3. REMOVE POWER DEVICES, WIRING, AND CONDUIT FROM WALL SECTION TO BE DEMOLISHED BACK TO THE SOURCE. REMOVE LIGHTING FIXTURES AS REQUIRED. COORDINATE WITH UPS PROJECT ENGINEER FOR REMOVAL OF WIRING AND CONDUIT FROM CONVEYOR AS REQUIRED.
4. REMOVE POWER DEVICES, LIGHTING FIXTURES, WIRING AND CONDUIT IN THIS AREA BACK TO THE SOURCE.
5. DISCONNECT POWER FROM MDC AND REMOVE WIRING AND CONDUIT BACK TO THE SOURCE. COORDINATE WITH UPS PROJECT ENGINEER FOR DISCONNECTION AND REMOVAL.
6. DISCONNECT AND REMOVE PORTABLE GENERATOR TRANSFER SWITCH AND CONNECTION BACK TO THE SOURCE. ENSURE EXISTING BUILDING LOAD IS PROPERLY CONNECT AS SHOWN ON SINGLE LINE DIAGRAM. COORDINATE WITH UPS PROJECT ENGINEER FOR DISCONNECTION AND REMOVAL.
7. DISCONNECT SERVICE FOR EXISTING BUILDING ONCE NEW SERVICE IS IN PLACE. COORDINATE WITH UPS PROJECT ENGINEER FOR CHANGE OVER.

GENERAL NOTES

1. REFER TO SHEET E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND PROJECT GENERAL NOTES.
2. ALL EXISTING LIGHTING FIXTURES, CONTROL DEVICES, AND ASSOCIATED WIRING INCLUDING EXTERIOR BUILDING FIXTURES AND SIGNS SHALL REMAIN UNLESS OTHERWISE INDICATED OR NOTED ON THIS DRAWING. FIXTURES AND DEVICES THAT ARE SHOWN **BOLD** ARE TO BE DEMOLISHED AND WIRING AND CONDUIT DEMOLISHED BACK TO THE SOURCE OR NEXT UPSTREAM DEVICE U.O.I. MODIFY CIRCUIT TO MAINTAIN POWER TO REMAINING DEVICES ETC.
3. CAREFULLY REMOVE FIXTURES, EQUIPMENT, AND DEVICES THAT ARE NOTED TO BE REMOVED, STORED AND REUSED. REPLACE ANY OF THESE THAT ARE DAMAGED DURING REMOVAL, STORAGE, OR REINSTALLATION.
4. FOR FIXTURES TO BE REMOVED, REMOVE EXPOSED CONDUIT AND WIRING BACK TO THE SOURCE INCLUDING THE NEXT UPSTREAM DEVICE, FIXTURE, OR THE PANELBOARD. REMOVE UNUSED WIRING IN CONDUITS CONCEALED ABOVE CEILINGS, IN WALLS AND ABANDON THE CONDUITS IN PLACE. MODIFY EXISTING CIRCUITS TO MAINTAIN CIRCUIT CONTINUITY TO EXISTING FIXTURES AND DEVICES THAT ARE TO REMAIN DURING DEMOLITION AND AFTER. ALL EXISTING LIGHTING AND CONTROL SYSTEMS SHALL REMAIN OPERATIONAL DURING THE PHASED TRANSITION UNTIL THE NEW SYSTEMS ARE OPERATIONAL.
5. REMOVE ALL DEMOLISHED MATERIALS FROM THE SITE AND DISPOSE OF PROPERLY AND LEGALLY.
6. FIELD VERIFY EXISTING CONDITIONS AND PROJECT SCOPE PRIOR TO BIDDING THE PROJECT.
7. RELABEL ALL UNUSED CIRCUIT BREAKERS AS SPARES AND TURN THEM OFF.
8. ALL SWITCHBOARDS, TRANSFORMERS AND PANELBOARDS ARE EXISTING TO REMAIN.
9. INCLUDE IN THE SCOPE OF WORK TEMPORARY SERVICES FOR LIGHTING, EQUIPMENT, AND DEVICES THAT MUST BE TEMPORARILY RELOCATED DUE TO CONSTRUCTION PHASING. COORDINATE WITH THE OWNER'S PROJECT MANAGER. COMPLETE SITE LIGHTING RELOCATION PRIOR TO DEMOLITION OF EXISTING CIRCUITS.
10. EXTERIOR AND BUILDING LIGHTING TO REMAIN OPERATIONAL AT NIGHT TIME DURING THE DEMOTION PHASE. PROVIDE TEMPORARY CIRCUITS IF REQUIRED.



4B ELECTRICAL LIGHTING AND POWER DEMOLITION FLOOR PLAN
1/8" = 1'-0"

NORTH

REVISIONS:

1		
2		
3		
4		
5		

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

RONALD A. FULLER
CERTIFICATE #
#30203
FLORIDA
REGISTERED ENGINEER
8/9/21

SHEET NUMBER:

E-120

DESCRIPTION:
ELECTRICAL LIGHTING AND POWER DEMOLITION PLAN

August 09, 2021 3:45pm JStuhrhem
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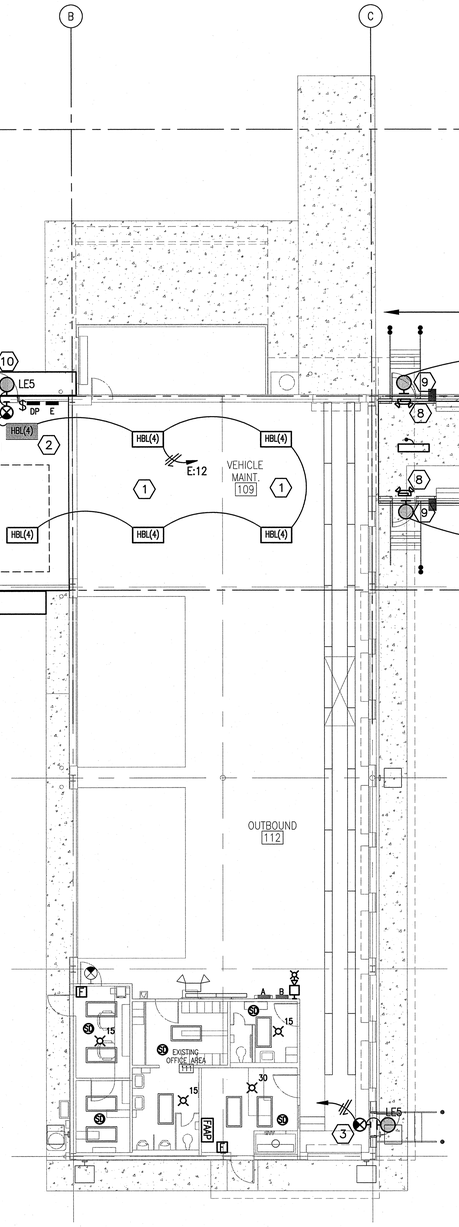
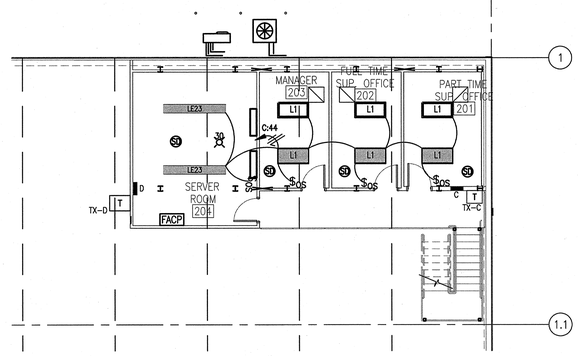


1B LIGHTING AND FIRE ALARM PLAN
1/8" = 1'-0"

NORTH



5B MEZZANINE LIGHTING AND FIRE ALARM PLAN
1/8" = 1'-0"

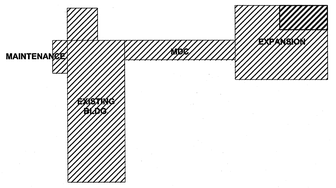
NORTH

GENERAL NOTES

1. REFER TO SHEET E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND PROJECT GENERAL NOTES.
2. ALL EXISTING LIGHTING FIXTURES, CONTROL DEVICES, AND ASSOCIATED WIRING INCLUDING EXTERIOR BUILDING FIXTURES AND SIGNS SHALL REMAIN UNLESS OTHERWISE INDICATED OR NOTED ON THIS DRAWING.
3. FIELD VERIFY EXISTING CONDITIONS AND PROJECT SCOPE PRIOR TO BIDDING THE PROJECT.
4. INCLUDE IN THE SCOPE OF WORK, TEMPORARY SERVICES FOR LIGHTING, EQUIPMENT, AND DEVICES THAT MUST BE TEMPORARILY RELOCATED DUE TO CONSTRUCTION PHASING AND COORDINATE WITH THE OWNER'S PROJECT MANAGER.
5. RELABEL ALL UNUSED CIRCUIT BREAKERS AS SPARES AND TURN THEM OFF.
6. ALL SWITCHBOARDS, TRANSFORMERS AND PANELBOARDS ARE EXISTING U.O.I.
7. WHERE PANELS ARE RELOCATED PROVIDE TEMPORARY CONNECTIONS TO REMAINING CIRCUITS. THIS SHOULD INCLUDE, BUT NOT BE LIMITED TO, TEMPORARILY RELOCATING THE PANEL AND MODIFYING THE EXISTING FEEDER AND BRANCH CIRCUIT WIRING TO REMAINING CIRCUITS.
8. RELABEL ALL UNUSED CIRCUIT BREAKERS AS SPARES AND TURN THEM OFF.
9. EXTERIOR AND BUILDING LIGHTING TO REMAIN OPERATIONAL AT NIGHT TIME DURING THE DEMOLITION PHASE. PROVIDE TEMPORARY CIRCUITS IF REQUIRED.
10. PROVIDE UNSWITCH 'HOT' CONDUCTOR FOR ALL EMERGENCY LIGHTING AND EXIT SIGNS FOR BATTERY CHARGING AND POWER DETECTION.
11. LIGHTING FIXTURE TYPES AND APPROVED MANUFACTURES ARE TO BE FOUND IN LIGHTING SPECIFICATION SECTION 265000.

KEYNOTES

1. PROVIDE LIGHT FIXTURE TYPE HBL(4). SEE DETAIL '5B' HIGHBAY MOUNTING DETAIL ON SHEET E-502 FOR TYPICAL INSTALLATION.
2. PROVIDE LIGHT FIXTURE TYPE HBL(4) COMPLETE WITH 90 MINUTE BATTERY BALLAST. SEE DETAIL '5B' HIGHBAY MOUNTING DETAIL ON SHEET E-502 FOR TYPICAL INSTALLATION.
3. PROVIDE LIGHT FIXTURE TYPE E1 .SEE DETAIL '1D' EXIT SIGN MOUNTING DETAIL ON SHEET E-501 FOR TYPICAL MOUNTING OF EXIT SIGNS.
4. PROVIDE LIGHT FIXTURE TYPE LE6 SEE DETAIL '5D' EXTERNAL WALL MOUNTING DETAIL ON SHEET E-502 FOR TYPICAL MOUNTING DETAIL. CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT.
5. MOBILE DISTRIBUTION CENTER WITH FACTORY PRE-WIRED LIGHTS CIRCUITS. THE GENERAL CONTRACTOR SHALL MAKE CONNECTION AT MATE LINE CROSS OVER AND INSTALL USA MODULAR PROVIDED LIGHTS, EXIT SIGNS AND EGRESS LIGHTS . REFER USA MODULAR DRAWINGS
6. COORDINATE WITH MECHANICAL INSTALLER FOR PLACEMENT OF FAN DIFFUSERS AND EXHAUST FAN EF-1.
7. PROVIDE L3 LIGHT FIXTURES AND MOUNT TO THE UNDERNEATH OF WALKWAY STRUCTURE.
8. EXIT SIGN SUPPLIED BY USA MODULAR. GENERAL CONTRACTOR TO INSTALL AND CONNECT TO WIRING (PROVIDED BY USA MODULAR) (TYPICAL FOR MDC ONLY)
9. EGRESS DOOR LIGHT SUPPLIED LOOSE BY USA MODULAR, GENERAL CONTRACTOR TO INSTALL AND MAKE FINAL CONNECTION (TYPICAL FOR MDC ONLY)
10. PROVIDE LIGHT FIXTURE TYPE LE5 COMPLETE WITH 90 MINUTE BATTERY BALLAST. SEE DETAIL '5D' ON SHEET E-501 FOR TYPICAL INSTALLATION. (TYPICAL FOR NON MDC ONLY)
11. USA MODULAR TO PROVIDE LIGHT FIXTURES.
12. THREE WAY LIGHT SWITCH FOR HIGH BAY LIGHT FIXTURES.
13. THREE WAY LIGHT SWITCH FOR LIGHT FIXTURES MOUNTED UNDERNEATH WALKWAY.
14. FIRE ALARM ANNUNCIATOR PANEL. MOUNT AT 54" AFF.
15. FIRE ALARM HORN STROBE MOUNT AT 12' AFF.
16. FIRE ALARM PULL STATION MOUNT AT 54" AFF.



KEY PLAN

NORTH

REVISIONS:

1	10/27/21	ADDENDUM #2

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
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DESIGNER: PFI
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

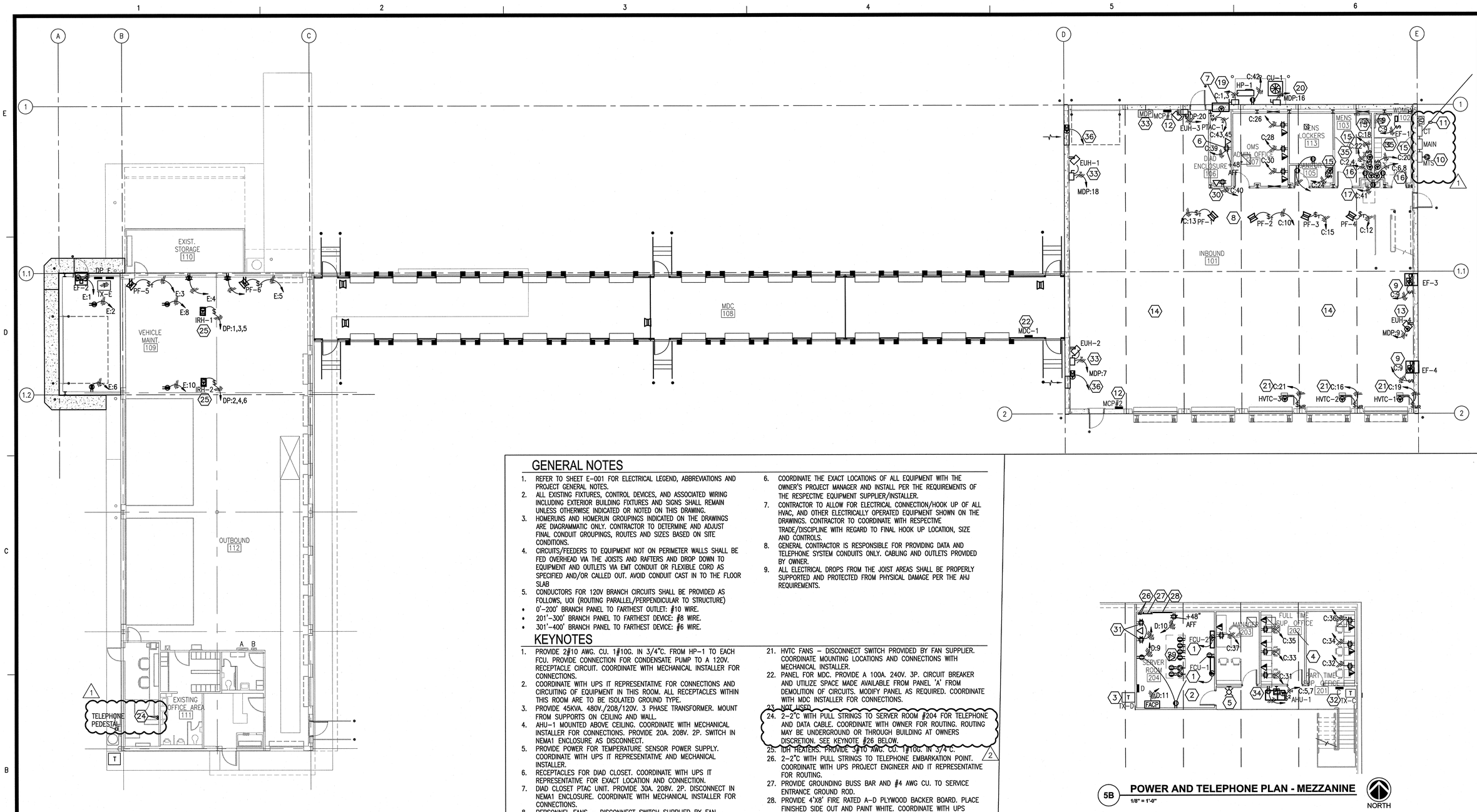
SEAL:

RONALD A. FULLER
CERTIFICATE
#38203
STATE OF FLORIDA
REGISTERED ENGINEER
10/27/21

SHEET NUMBER:

E-131

DESCRIPTION:
LIGHTING AND FIRE ALARM PLAN



1B POWER AND TELEPHONE PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES

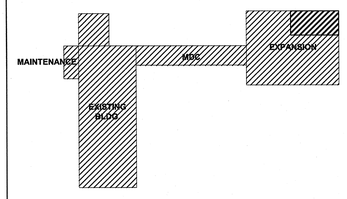
1. REFER TO SHEET E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND PROJECT GENERAL NOTES.
2. ALL EXISTING FIXTURES, CONTROL DEVICES, AND ASSOCIATED WIRING INCLUDING EXTERIOR BUILDING FIXTURES AND SIGNS SHALL REMAIN UNLESS OTHERWISE INDICATED OR NOTED ON THIS DRAWING.
3. HOMERUNS AND HOMERUN GROUPINGS INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO DETERMINE AND ADJUST FINAL CONDUIT GROUPINGS, ROUTES AND SIZES BASED ON SITE CONDITIONS.
4. CIRCUITS/FEEDERS TO EQUIPMENT NOT ON PERIMETER WALLS SHALL BE FED OVERHEAD VIA THE JOISTS AND RAFTERS AND DROP DOWN TO EQUIPMENT AND OUTLETS VIA EMT CONDUIT OR FLEXIBLE CORD AS SPECIFIED AND/OR CALLED OUT. AVOID CONDUIT CAST IN TO THE FLOOR SLAB
5. CONDUCTORS FOR 120V BRANCH CIRCUITS SHALL BE PROVIDED AS FOLLOWS, UOI (ROUTING PARALLEL/PERPENDICULAR TO STRUCTURE)
   - 0'-200' BRANCH PANEL TO FARTHEST OUTLET: #10 WIRE.
   - 201'-300' BRANCH PANEL TO FARTHEST DEVICE: #8 WIRE.
   - 301'-400' BRANCH PANEL TO FARTHEST DEVICE: #6 WIRE.
6. COORDINATE THE EXACT LOCATIONS OF ALL EQUIPMENT WITH THE OWNER'S PROJECT MANAGER AND INSTALL PER THE REQUIREMENTS OF THE RESPECTIVE EQUIPMENT SUPPLIER/INSTALLER.
7. CONTRACTOR TO ALLOW FOR ELECTRICAL CONNECTION/HOOK UP OF ALL HVAC, AND OTHER ELECTRICALLY OPERATED EQUIPMENT SHOWN ON THE DRAWINGS. CONTRACTOR TO COORDINATE WITH RESPECTIVE TRADE/DISCIPLINE WITH REGARD TO FINAL HOOK UP LOCATION, SIZE AND CONTROLS.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING DATA AND TELEPHONE SYSTEM CONDUITS ONLY. CABLING AND OUTLETS PROVIDED BY OWNER.
9. ALL ELECTRICAL DROPS FROM THE JOIST AREAS SHALL BE PROPERLY SUPPORTED AND PROTECTED FROM PHYSICAL DAMAGE PER THE AHJ REQUIREMENTS.

KEYNOTES

1. PROVIDE 2#10 AWG. CU. 1#10G. IN 3/4"C. FROM HP-1 TO EACH FCU. PROVIDE CONNECTION FOR CONDENSATE PUMP TO A 120V. RECEPTACLE CIRCUIT. COORDINATE WITH MECHANICAL INSTALLER FOR CONNECTIONS.
2. COORDINATE WITH UPS IT REPRESENTATIVE FOR CONNECTIONS AND CIRCUITING OF EQUIPMENT IN THIS ROOM. ALL RECEPTACLES WITHIN THIS ROOM ARE TO BE ISOLATED GROUND TYPE.
3. PROVIDE 45KVA. 480V./208/120V. 3 PHASE TRANSFORMER. MOUNT FROM SUPPORTS ON CEILING AND WALL.
4. AHU-1 MOUNTED ABOVE CEILING. COORDINATE WITH MECHANICAL INSTALLER FOR CONNECTIONS. PROVIDE 20A. 208V. 2P. SWITCH IN NEMA1 ENCLOSURE AS DISCONNECT.
5. PROVIDE POWER FOR TEMPERATURE SENSOR POWER SUPPLY. COORDINATE WITH UPS IT REPRESENTATIVE AND MECHANICAL INSTALLER.
6. RECEPTACLES FOR DIAD CLOSET. COORDINATE WITH UPS IT REPRESENTATIVE FOR EXACT LOCATION AND CONNECTION.
7. DIAD CLOSET PTAC UNIT. PROVIDE 30A. 208V. 2P. DISCONNECT IN NEMA1 ENCLOSURE. COORDINATE WITH MECHANICAL INSTALLER FOR CONNECTIONS.
8. PERSONNEL FANS – DISCONNECT SWITCH SUPPLIED BY FAN SUPPLIER. COORDINATE WITH MECHANICAL INSTALLER FOR CONNECTIONS. TYPICAL
9. FAN DISCONNECT SUPPLIED BY FAN SUPPLIER. COORDINATE WITH MECHANICAL INSTALLER FOR CONNECTIONS.
10. SERVICE ENTRANCE – METER, CT CABINET, AND GENERATOR CONNECTION. SEE E-601 SINGLE LINE DIAGRAM FOR SIZE AND TYPE.
11. UNDERGROUND SERVICE LATERAL. SEE E-601 FOR CONDUIT AND CONDUCTOR SIZES. SEE ELECTRICAL DETAIL FOR DUCTBANK ENCLOSURE DETAILS.
12. PANEL 'MCP' CONVEYOR PANELS SUPPLIED BY OWNER. SEE SINGLE LINE DIAGRAM AND KEYNOTE #21 ON SHEET E-601 FOR FEEDER AND CONDUIT SIZES. COORDINATE WITH CONVEYOR INSTALLER FOR EXACT MOUNTING LOCATION.
13. PROVIDE 3#10 AWG. CU. 1#10G. IN 3/4"C. FOR ELECTRIC UNIT HEATERS. DISCONNECT SUPPLIED BY UNIT HEATER SUPPLIER. COORDINATE CONNECTIONS WITH MECHANICAL INSTALLER. TYPICAL
14. COORDINATE WITH CONVEYOR INSTALLER FOR CIRCUITS AND CONNECTIONS OF CONVEYOR EQUIPMENT. CONVEYOR CIRCUITS ARE FROM MCP#1 AND MCP#2 PANELS.
15. INSTANTANEOUS WATER HEATERS – PROVIDE 2#8 AWG. CU. 1#10G. IN 3/4"C. PROVIDE A 30A. 120V. 1P. SWITCH IN NEMA1 ENCLOSURE. COORDINATE WITH PLUMBING INSTALLER FOR EXACT LOCATION AND CONNECTIONS.
16. HAND DRYERS – COORDINATE WITH INSTALLER FOR CONNECTIONS.
17. ELECTRIC DRINKING FOUNTAIN – COORDINATE WITH PLUMBING INSTALLER FOR EXACT LOCATION AND CONNECTIONS.
18. NOT USED
19. PROVIDE 2#6 AWG. CU. 1#8G. IN 3/4"C. PROVIDE A 60A. 208V. 3P. DISCONNECT SWITCH IN NEMA3R ENCLOSURE. COORDINATE WITH MECHANICAL INSTALLER FOR MOUNTING LOCATION AND CONNECTIONS.
20. PROVIDE 3#10 AWG. CU. 1#10G. IN 3/4"C. PROVIDE A 30A. 480V. 3P. DISCONNECT SWITCH IN A NEMA3R ENCLOSURE. COORDINATE WITH MECHANICAL INSTALLER FOR MOUNTING LOCATION AND CONNECTIONS.
21. HVTC FANS – DISCONNECT SWITCH PROVIDED BY FAN SUPPLIER. COORDINATE MOUNTING LOCATIONS AND CONNECTIONS WITH MECHANICAL INSTALLER.
22. PANEL FOR MDC. PROVIDE A 100A. 240V. 3P. CIRCUIT BREAKER AND UTILIZE SPACE MADE AVAILABLE FROM PANEL 'A' FROM DEMOLITION OF CIRCUITS. MODIFY PANEL AS REQUIRED. COORDINATE WITH MDC INSTALLER FOR CONNECTIONS.
23. NOT USED
24. 2-2"C WITH PULL STRINGS TO SERVER ROOM #204 FOR TELEPHONE AND DATA CABLE. COORDINATE WITH OWNER FOR ROUTING. ROUTING MAY BE UNDERGROUND OR THROUGH BUILDING AT OWNERS DISCRETION. SEE KEYNOTE #26 BELOW.
25. IUH HEATERS. PROVIDE 3#10 AWG. CU. 1#10G. IN 3/4"C.
26. 2-2"C WITH PULL STRINGS TO TELEPHONE EMBARKATION POINT. COORDINATE WITH UPS PROJECT ENGINEER AND IT REPRESENTATIVE FOR ROUTING.
27. PROVIDE GROUNDING BUSS BAR AND #4 AWG CU. TO SERVICE ENTRANCE GROUND ROD.
28. PROVIDE 4'X8' FIRE RATED A-D PLYWOOD BACKER BOARD. PLACE FINISHED SIDE OUT AND PAINT WHITE. COORDINATE WITH UPS PROJECT ENGINEER AND IT REPRESENTATIVE FOR EXACT LOCATION.
29. PROVIDE CIRCUITS AND RECEPTACLES FOR IT EQUIPMENT RACKS. TWO DEDICATED 30A. 120V. RECEPTACLES IN FIRST RACK. TWO 20A. 120V. RECEPTACLE IN THE NEXT THREE RACKS FOR A TOTAL OF SIX DEDICATED CIRCUITS TO PANEL 'D'. SEE PANEL SCHEDULE FOR CIRCUIT NUMBERS. COORDINATE WITH UPS PROJECT ENGINEER AND IT REPRESENTATIVE FOR FINAL RECEPTACLE PLACEMENT.
30. QUAD RECEPTACLE FOR ORION COMPUTERS. PLACE AT 48" AFF.
31. TWO QUAD RECEPTACLES FOR SHARP RACK. MOUNT AT 88" AFF WITH DATA DROP IN THE MIDDLE. COORDINATE WITH UPS PROJECT ENGINEER AND IT REPRESENTATIVE FOR EXACT LOCATION OF SHARP RACKS AS THEY MAY BE LOCATED OUTSIDE SERVER ROOM.
32. 75 KVA. 480V/208/120V 3PH. TRANSFORMER FOR PANEL 'C'. WALL MOUNT WITH SUPPORT FROM CEILING. SEE SINGLE LINE DIAGRAM FOR CONDUCTORS AND PANEL 'C' DETAILS.
33. DISTRIBUTION PANEL 'MDP' FLOOR STANDING – PROVIDE HOUSEKEEPING PAD 4" HIGH WITH 2" AROUND MDP. SEE SINGLE LINE DIAGRAM FOR DETAILS ON MDP. COORDINATE WITH CONVEYOR INSTALLER FOR REQUIRED CLEARANCES.
34. POWER AND TV OUTLET FOR SAFETY TV MONITOR. COORDINATE WITH UPS IT REPRESENTATIVE FOR EXACT LOCATION. PROVIDE A CIRCUIT FROM PANEL 'C'.
35. PROVIDE POWER FOR FLUSH VALVES AT ALL URINALS AND LAVATORIES AND ALL FAUCET VALVES WITHIN RESTROOMS. CONNECT POWER SUPPLIES TO RESTROOM RECEPTACLE CIRCUIT AND PLACE ABOVE ACCESSIBLE CEILING FOR FLUSH VALVES. PLACE GFCI RECEPTACLE CONNECTED TO NEAREST RECEPTACLE CIRCUIT BELOW SINKS FOR FAUCET VALVES. COORDINATE WITH PLUMBING INSTALLER FOR MOUNTING LOCATION.
36. INTERLOCK MOTORIZED LOUVERS WITH SORT AREA EXHAUST FANS. SEE MECHANICAL DRAWINGS AND SCHEDULE FOR CONNECTION DETAILS.

5B POWER AND TELEPHONE PLAN - MEZZANINE
1/8" = 1'-0"

NORTH



KEY PLAN

NORTH

REVISIONS:

1	10/27/21	ADDENDUM #2

PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

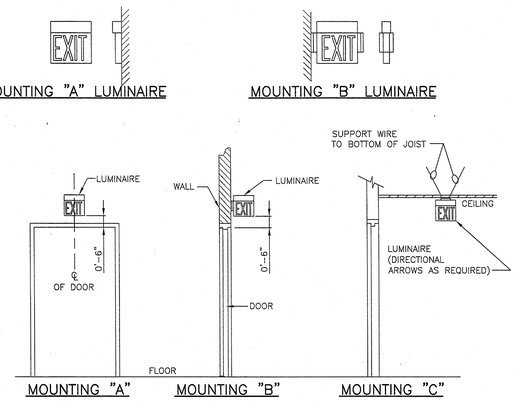
SEAL:

RONALD A. FULLER
CERTIFICATE NO.
0036203
STATE OF FLORIDA
REGISTERED ENGINEER
10/27/21

SHEET NUMBER:

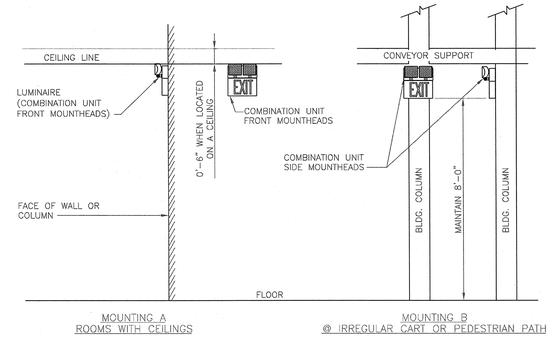
E-132

DESCRIPTION:
POWER AND TELEPHONE PLAN



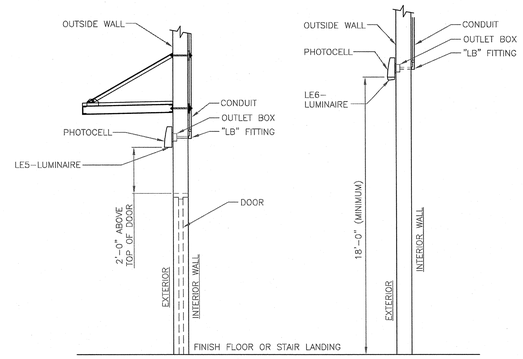
1D EXIT SIGN MOUTNTING DETAIL

NTS LIGHTING01



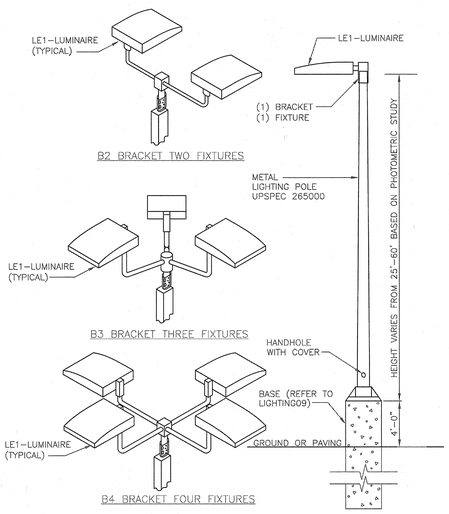
3D EMERGENCY LIGHTING MOUTNTING DETAIL

NTS LIGHTING03



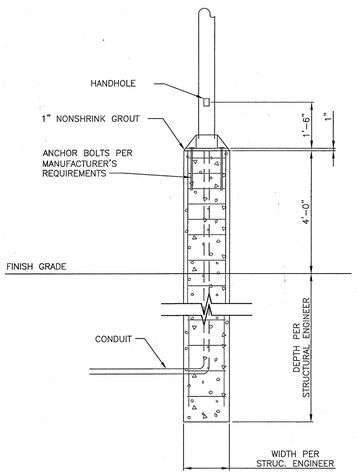
5D LE5/LE6 - ENCLOSED WALL MOUNT EXTERIOR BUILDING

NTS LIGHTING12



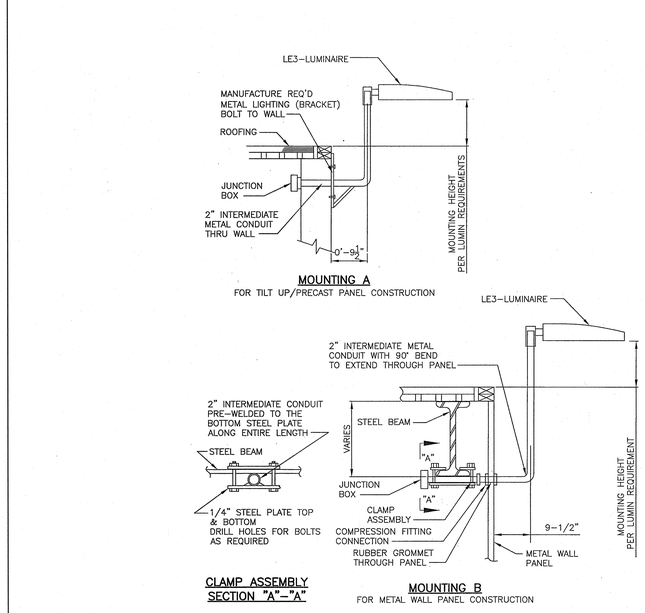
1B ENCLOSED FLOODLIGHT POLE MOUNTED

NTS LIGHTING08



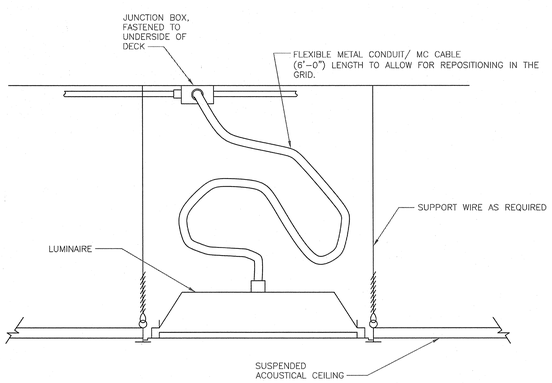
3B LIGHT POLE BASE DETAIL

NTS LIGHTING09



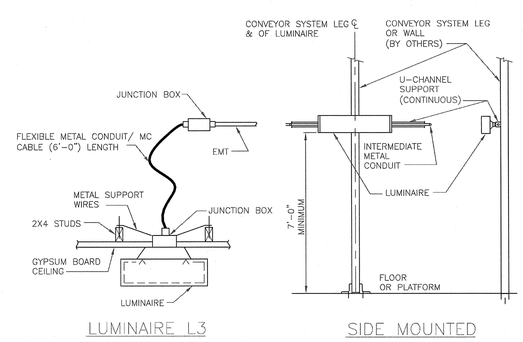
5B LE3 - ENCLOSED FLOODLIGHT WALL MOUNT/BRACKET TYPE

NTS LIGHTING10



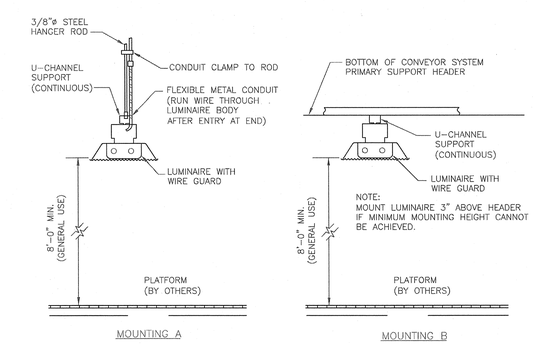
1A L1/L1A/L2/L2A LED TROFFER LUMINAIRE

NTS LIGHTING04



3A L3 - LED LUMINAIRE MOUNTING DETAIL

NTS LIGHTING05



5A F9 AND F10 INDUSTRIAL LUMINAIRE MOUNTING DETAIL

NTS LIGHTING06

REVISIONS:

1		
2		
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DESIGNER: PFI
CHECKED BY: PFI

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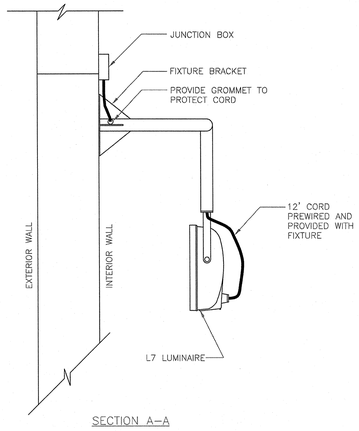
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
8/9/21

SHEET NUMBER:
E-501

DESCRIPTION:
ELECTRICAL DETAILS

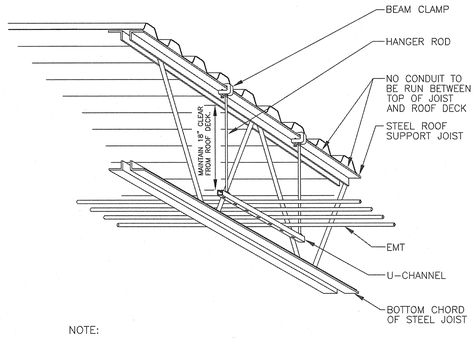
August 09, 2021 3:38pm rfullerton
P:\26197.00\CAD\LAKE CITY RENOVATIONS\sheets\09-ENG-E-501.dwg



SECTION A–A

1D L7 - LUMINAIRE BRACKET AT INPUT/OUTPUT

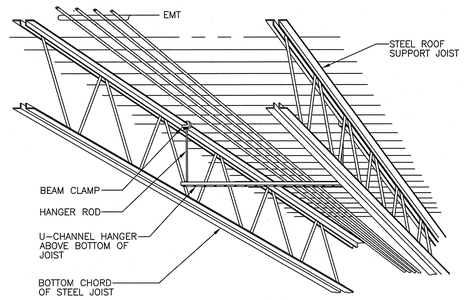
NTS LIGHTING1851



NOTE:
IN AUTO SHOPS MAINTAIN 18" CLEAR FROM ROOF DECK.

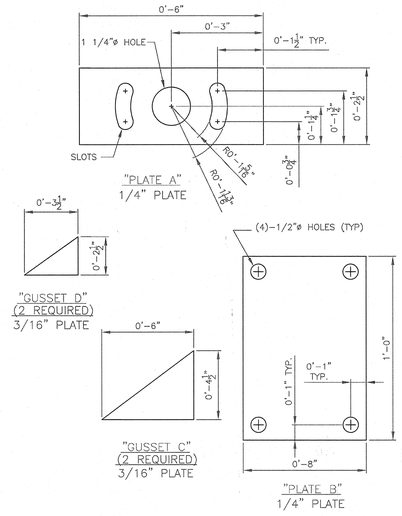
3D CONDUIT SUPPORT ABOVE AND PERPENDICULAR TO BOTTOM CHORD OF STEEL JOIST

NTS E-COND-3



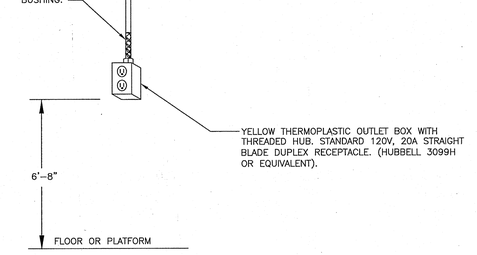
5D CONDUIT SUPPORT ABOVE AND PARALLEL TO BOTTOM CHORD OF STEEL JOIST

NTS E-COND-4



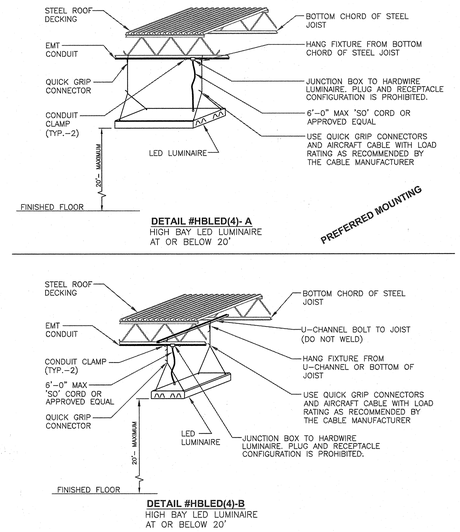
1B L7 - LUMINAIRE BRACKET AT INPUT/OUTPUT

NTS LIGHTING1853



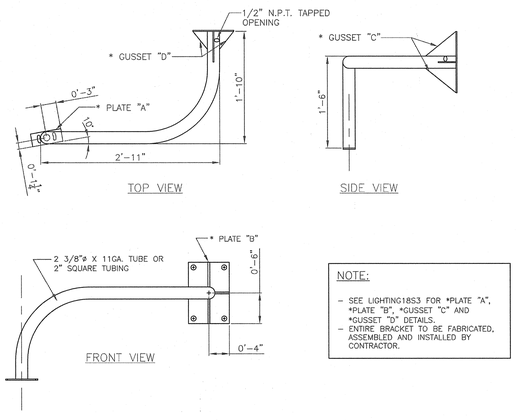
3B RECEPTACLE BOX PENDANT MOUNTED FROM JOIST

NTS E-SUP-3



5B HBLED (4) - HIGH BAY LED LUMINAIRE AT OR BELOW 20'

NTS LIGHTING25A

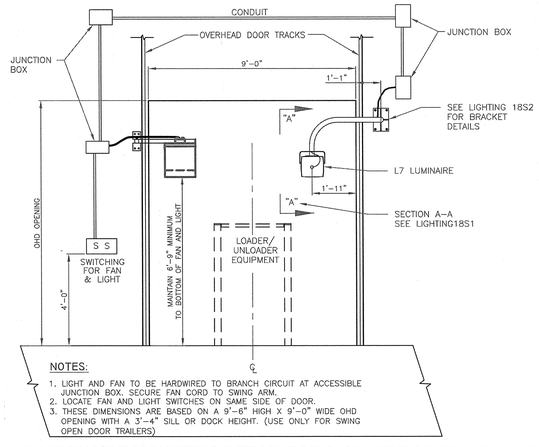


NOTE:

- SEE LIGHTING18S3 FOR *PLATE "A", *PLATE "B", *GUSSET "C" AND *GUSSET "D" DETAILS.
- ENTIRE BRACKET TO BE FABRICATED, ASSEMBLED AND INSTALLED BY CONTRACTOR.

1A L7 - LUMINAIRE BRACKET AT INPUT/OUTPUT

NTS LIGHTING1852

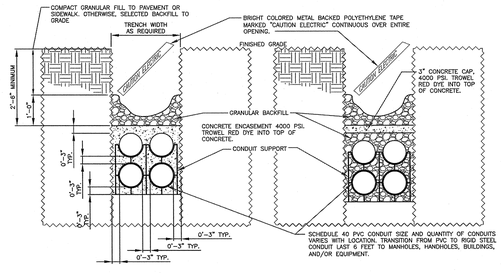


NOTES:

1. LIGHT AND FAN TO BE HARDWIRED TO BRANCH CIRCUIT AT ACCESSIBLE JUNCTION BOX. SECURE FAN CORD TO SWING ARM.
2. LOCATE FAN AND LIGHT SWITCHES ON SAME SIDE OF DOOR.
3. THESE DIMENSIONS ARE BASED ON A 9'–6" HIGH X 9'–0" WIDE OHD OPENING WITH A 3'–4" SILL OR DOCK HEIGHT. (USE ONLY FOR SWING OPEN DOOR TRAILERS)

3A L7 LUMINAIRE MOUNTING DETAIL FOR 9'-0" WIDE DOOR OPENING

NTS LIGHTING17



5A ELECTRICAL DUCT BANK DETAIL

NTS E-DUCTBANK01

REVISIONS:

1		
2		
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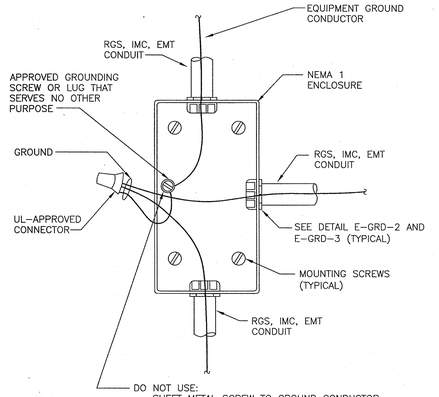
UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
8/9/21

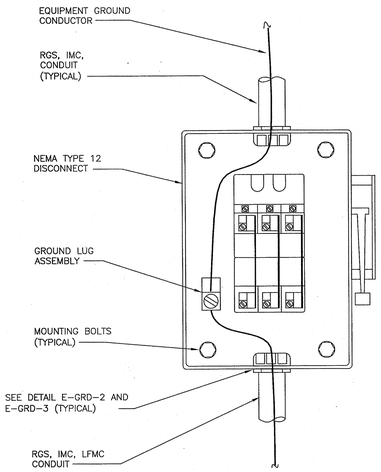
SHEET NUMBER:
E-502

DESCRIPTION:
ELECTRICAL DETAILS

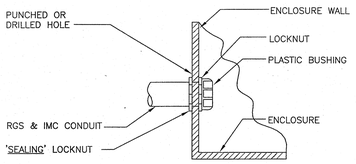
August 09, 2021 3:23pm rfulton
P:\26197.00\CAD-LAKE CITY REDO\Sheets\09-ENG-E-502.dwg



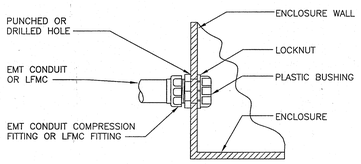
1D **SPLICE BOX DETAIL**
NTS E-GRD-1



3D **DISCONNECT SWITCH DETAIL**
NTS E-GRD-4



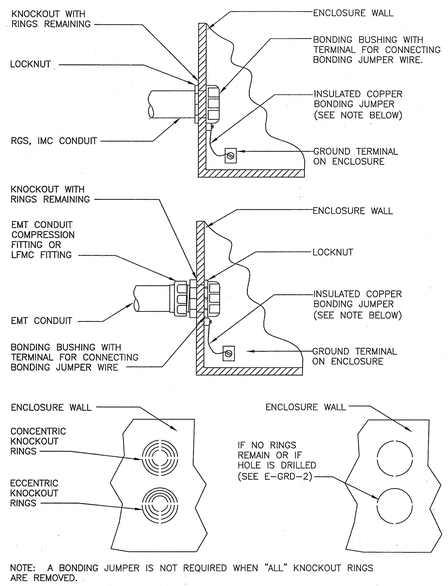
ENCLOSURE GROUNDING DETAIL WITHOUT KNOCKOUTS
USING RGS OR IMC CONDUIT



ENCLOSURE GROUNDING DETAIL WITHOUT KNOCKOUTS
USING EMT, LFMC CONDUIT

NOTE: A BONDING JUMPER IS NOT REQUIRED WHEN "ALL" KNOCKOUT RINGS ARE REMOVED.

1B **GROUNDING - BONDING DETAILS**
NTS E-GRD-2



NOTE: A BONDING JUMPER IS NOT REQUIRED WHEN "ALL" KNOCKOUT RINGS ARE REMOVED.

3B **GROUNDING - BONDING DETAILS**
NTS E-GRD-3

REVISIONS:

1		
2		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
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DESIGNER: PFI
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
8/9/21

SHEET NUMBER:
E-503

DESCRIPTION:
ELECTRICAL DETAILS

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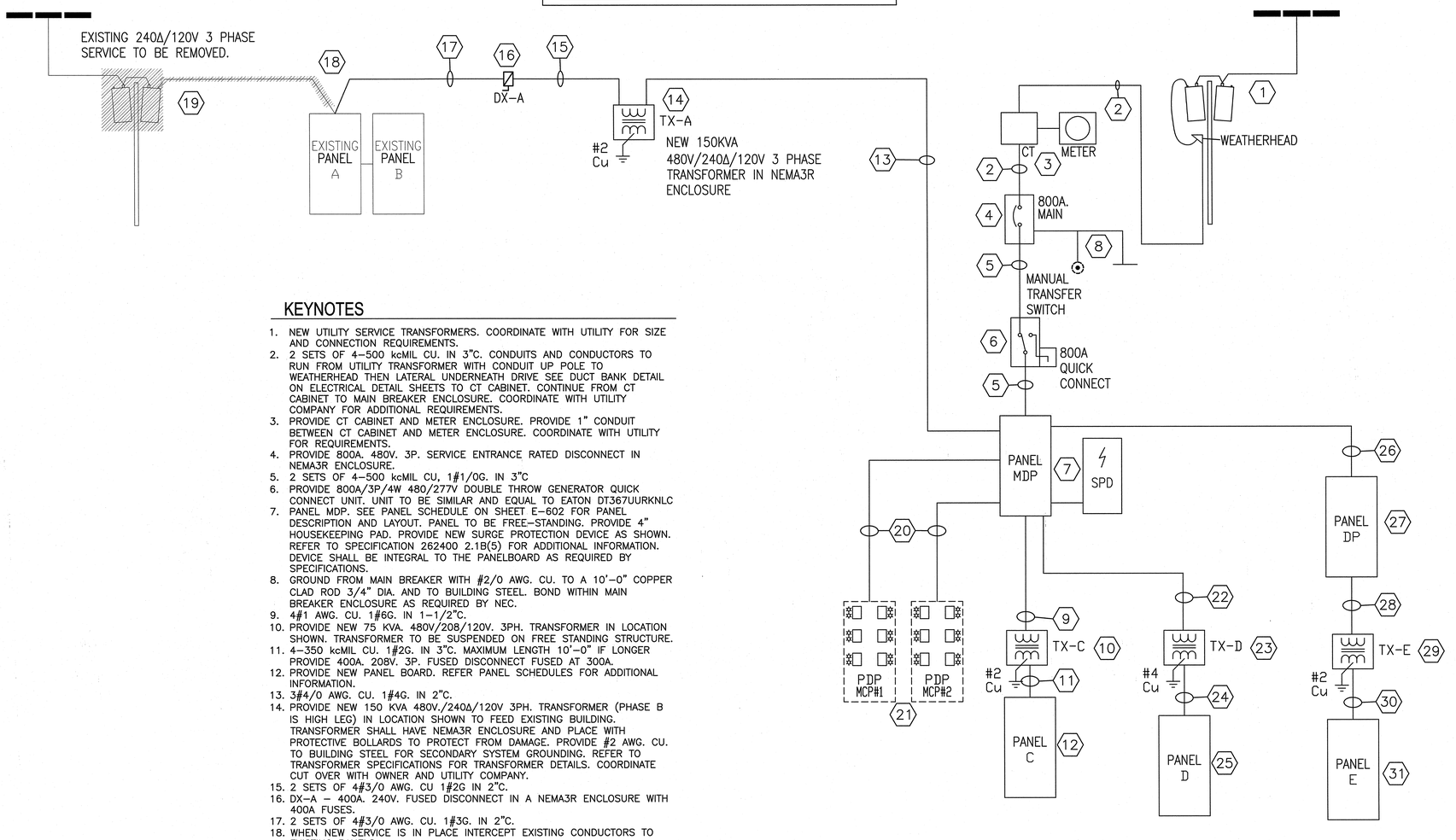
THIS DRAWING HAS BEEN DEVELOPED FROM AN ELECTRICAL SURVEY AND PHOTOGRAPHS FROM AN INDEPENDENT CONTRACTOR AND LIMITED AS BUILT INFORMATION. IT IS INTENDED FOR GUIDANCE ONLY. ALL CIRCUITS TO BE CAREFULLY VERIFIED ON SITE BY A QUALIFIED PERSON PRIOR TO ANY WORK BEING DONE TO THE SYSTEM



KEYNOTES

1. NEW UTILITY SERVICE TRANSFORMERS. COORDINATE WITH UTILITY FOR SIZE AND CONNECTION REQUIREMENTS.
2. 2 SETS OF 4–500 kcMIL CU. IN 3"C. CONDUITS AND CONDUCTORS TO RUN FROM UTILITY TRANSFORMER WITH CONDUIT UP POLE TO WEATHERHEAD THEN LATERAL UNDERNEATH DRIVE SEE DUCT BANK DETAIL ON ELECTRICAL DETAIL SHEETS TO CT CABINET. CONTINUE FROM CT CABINET TO MAIN BREAKER ENCLOSURE. COORDINATE WITH UTILITY COMPANY FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE CT CABINET AND METER ENCLOSURE. PROVIDE 1" CONDUIT BETWEEN CT CABINET AND METER ENCLOSURE. COORDINATE WITH UTILITY FOR REQUIREMENTS.
4. PROVIDE 800A. 480V. 3P. SERVICE ENTRANCE RATED DISCONNECT IN NEMA3R ENCLOSURE.
5. 2 SETS OF 4–500 kcMIL CU, 1#1/0G. IN 3"C
6. PROVIDE 800A/3P/4W 480/277V DOUBLE THROW GENERATOR QUICK CONNECT UNIT. UNIT TO BE SIMILAR AND EQUAL TO EATON DT367UURKNLC
7. PANEL MDP. SEE PANEL SCHEDULE ON SHEET E–602 FOR PANEL DESCRIPTION AND LAYOUT. PANEL TO BE FREE–STANDING. PROVIDE 4" HOUSEKEEPING PAD. PROVIDE NEW SURGE PROTECTION DEVICE AS SHOWN. REFER TO SPECIFICATION 262400 2.1B(5) FOR ADDITIONAL INFORMATION. DEVICE SHALL BE INTEGRAL TO THE PANELBOARD AS REQUIRED BY SPECIFICATIONS.
8. GROUND FROM MAIN BREAKER WITH #2/0 AWG. CU. TO A 10'–0" COPPER CLAD ROD 3/4" DIA. AND TO BUILDING STEEL. BOND WITHIN MAIN BREAKER ENCLOSURE AS REQUIRED BY NEC.
9. 4#1 AWG. CU. 1#6G. IN 1–1/2"C.
10. PROVIDE NEW 75 KVA. 480V/208/120V. 3PH. TRANSFORMER IN LOCATION SHOWN. TRANSFORMER TO BE SUSPENDED ON FREE STANDING STRUCTURE.
11. 4–350 kcMIL CU. 1#2G. IN 3"C. MAXIMUM LENGTH 10'–0" IF LONGER PROVIDE 400A. 208V. 3P. FUSED DISCONNECT FUSED AT 300A.
12. PROVIDE NEW PANEL BOARD. REFER PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
13. 3#4/0 AWG. CU. 1#4G. IN 2"C.
14. PROVIDE NEW 150 KVA 480V./240Δ/120V 3PH. TRANSFORMER (PHASE B IS HIGH LEG) IN LOCATION SHOWN TO FEED EXISTING BUILDING. TRANSFORMER SHALL HAVE NEMA3R ENCLOSURE AND PLACE WITH PROTECTIVE BOLLARDS TO PROTECT FROM DAMAGE. PROVIDE #2 AWG. CU. TO BUILDING STEEL FOR SECONDARY SYSTEM GROUNDING. REFER TO TRANSFORMER SPECIFICATIONS FOR TRANSFORMER DETAILS. COORDINATE CUT OVER WITH OWNER AND UTILITY COMPANY.
15. 2 SETS OF 4#3/0 AWG. CU 1#2G IN 2"C.
16. DX–A – 400A. 240V. FUSED DISCONNECT IN A NEMA3R ENCLOSURE WITH 400A FUSES.
17. 2 SETS OF 4#3/0 AWG. CU. 1#3G. IN 2"C.
18. WHEN NEW SERVICE IS IN PLACE INTERCEPT EXISTING CONDUCTORS TO EXISTING PANELS.
19. REMOVE EXISTING OWNER SUPPLIED SERVICE EQUIPMENT (BREAKERS, METER ENCLOSURE, ETC).
20. 4#1 AWG. CU. 1#8G. IN 1–1/2"C.
21. NEW CONVEYOR CONTROL PANEL PROVIDED BY OWNER. PROVIDE NEW FEEDER AS INDICATED. FINAL LOCATION TO BE COORDINATED WITH PROJECT MANAGER. CONNECTIONS FROM CONTROL PANEL TO CONVEYOR EQUIPMENT BY MATERIALS HANDLING CONTRACTOR.
22. 3#4 AWG. CU. 1#8G. IN 1"C.
23. 45 KVA. 480V–208Y/120V. 3PH. TRANSFORMER K–13 RATED WALL OR CEILING MOUNTED.
24. 3#2/0 AWG. CU. 1–500 kcMIL N. 1#4EG. 1#4IG IN 2–1/2"C. MAXIMUM LENGTH 10'–0" IF LONGER PROVIDE 200A. 208V. 3P. FUSED DISCONNECT FUSED AT 175A.
25. PANEL BOARD 'D' SEE PANEL SCHEDULE FOR TYPE, SIZE, AND CIRCUIT LAYOUT.
26. 4#4/0 AWG. 1#4G. 2–1/2"C.
27. PROVIDE NEW PANEL 'DP'. SEE PANEL SCHEDULE FOR SIZE AND TYPE.
28. 3#1 AWG. 1#6G. 1–1/2"C.
29. PROVIDE A NEW 75 KVA 480V./208/120V TRANSFORMER IN NEMA1 ENCLOSURE.
30. 4#350 KCMIL. 1#2G. 3"C.
31. PROVIDE NEW PANEL 'E'. SEE PANEL SCHEDULE FOR SIZE AND TYPE.

SINGLE LINE DIAGRAM – LEGEND
(DISREGARD ITEMS NOT USED)

SERVICE / C00	SERVICE ENTRY POINT. COORDINATE QUANTITY, TYPE AND LOCATION OF SERVICE CABLES AND ALLOW FOR LUGS AND TERMINATIONS AS REQUIRED BY UTILITY CO.
	POLE MOUNTED UTILITY CO. SERVICE TRANSFORMER AND METER. COORDINATE LOCATION OF TRANSFORMER/S AS REQUIRED BY UTILITY CO.
	PANEL BUSBARS WITH RATING AS INDICATED. PROVIDE FULL SIZE NEUTRAL.
100A 3P	AIR CIRCUIT BREAKER WITH TRIP RATING AND # OF POLES AS INDICATED.
4C15	WIRE ID. REFER WIRE SCHEDULE FOR CONDUIT AND WIRE DETAILS. F DENOTES 2HR FIRE RATED CCK
OFF	CIRCUIT DEVICE FITTED WITH PADLOCK IN ON/OFF POS.
	GROUND FAULT RELAY FITTED TO BREAKER
TX1 1/0 Al	POWER TRANSFORMER. REFER SCHEDULES FOR KVA, VOLTAGE AND OTHER RATINGS ETC. DASH LINE INDICATES TX SUPPLIED BY TENANTS/OTHERS
TX2 ISOL 1/0 Al	ISOLATING POWER TRANSFORMER. REFER SCHEDULES FOR KVA, VOLTAGE AND OTHER RATINGS ETC.
	NEMA 3R WIRING GUTTER. REFER PLAN DRAWINGS FOR MOUNTING LOCATION. SIZE AS REQUIRED
PANEL LA	PANELBOARD. REFER PANEL SCHEDULES FOR DETAILS. DASH LINE INDICATES PANEL SUPPLIED BY TENANTS/OTHERS
MCC 2	MOTOR CONTROL CENTER (MCC) PROVIDED AND INSTALLED BY OTHERS/OWNER (U.O.I.) CONTRACTOR TO PROVIDE FEEDER AS INDICATED AND CONNECT FEEDER TO MCC
250kcmil Al	GROUND BAR RUNNING FULL LENGTH OF BOARD CONNECTED TO GROUND ROD/S VIA CONDUCTOR, SIZE AS INDICATED
30A/3P EQUIP	DIRECT CONNECTION TO EQUIPMENT WITH WITH MARK/ID, RATING AND POLES AS INDICATED.
20A/2P BATT CHARGER	RECEPTACLE CONNECTION TO EQUIPMENT WITH RATING AND POLES AS INDICATED. PROVIDE RECEPTACLE TO MATCH EQUIPMENT
100/3 3R EQUIP 1	DISCONNECT SWITCH WITH WITH MARK/ID, RATING ETC AS INDICATED. DASH LINE INDICATES SUPPLIED BY TENANTS/OTHERS
100A/3P 5AF NEMA 3R EQUIP 1	FUSED DISCONNECT SWITCH WITH WITH MARK/ID, RATING, POLES, FUSE SIZE AND NEMA CLASS AS INDICATED
5HP EQUIP 1	MOTOR LOAD. MARK/ID AND RATINGS AS INDICATED

1A **ELECTRICAL SINGLE LINE DIAGRAM**
N.T.S."

REVISIONS:

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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
6363 Poplar Avenue, Suite 300
Memphis, TN 38119
901.726.0810

UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:
RONALD A. FULLER
CERTIFICATE
#38203
FLORIDA
REGISTERED ENGINEER
8/9/21

SHEET NUMBER:
E-601

DESCRIPTION:
ELECTRICAL SINGLE LINE DIAGRAM

August 09, 2021 3:19pm /rhorton
P:\26197.00\CAD-SAVE CITY REDO\Sheets\03-601-E-601.dwg

MDP

Panel Name: MDP
Panel Location: NORTH WALL
Voltage: 277/480V
Phase/Wire: 3PH/4W
Minimum Interrupting Rating: 18,000
New/Existing: New

MLO or Main C.B.: MLO
Surface or Flush: FLOOR STANDING
Frame Amps: 800
Grounding: EQUIPMENT GROUND
Sections:
Nema Rating: NEMA 1

Load VA Ph A	Load VA Ph B	Load VA Ph C	LOAD TYPE	Cond #	Notes	Branch Load Data	Wire	Breaker Trip	Breaker Pole	Breaker No.	Ph.	Ph.	Breaker No.	Breaker Pole	Breaker Trip	Notes	Wire	Branch Load Data	Cond #	LOAD TYPE	Load VA Ph A	Load VA Ph B	Load VA Ph C
19260			SP							1	a		2							SP	18728		
	19260		SP			PANEL A VIA TX-A		225	3	3	b		4					PANEL C VIA TX-C		SP		20037	
		19260	SP							5	c		6							SP			17777
6200			SP							7	a		8							SP	27713		
	5320		SP			PANEL D VIA TX-D		70	3	9	b		10	100	3			MCP #1		SP		27713	
		4900	SP							11	c		12							SP			27713
19260			SP							13	a		14							SP	27713		
	19260		SP			PANEL DP		225	3	15	b		16	100	3			MCP #2		SP		27713	
		19260	SP							17	c		18							SP			27713
2500			H							19	a		20										
	2500		H			EUH-2		20	3	21	b		22	100	3			SPARE					
		2500	H							23	c		24										
2500			H							25	a		26										
	2500		H			EUH-4		20	3	27	b		28	100	3			SPARE					
		2500	H							29	c		30										
										31	a		32										
						SPARE		20	3	33	b		34	20	3			SPARE					
										35	c		36										
41570			Z							37	a		38										
	41570		Z			MDC		150	3	39	b		40	20	3			SPARE					
		41570	Z							41	c		42										
										43	a		44							H	2517		
						PROVISION		100	3	45	b		46	15	3			CU-1		H		2517	
										47	c		48							H			2517
										49	a		50							H	2500		
						PROVISION		100	3	51	b		52	20	3			EUH-1		H		2500	
										53	c		54							H			2500
										55	a		56							H	2500		
						PROVISION		100	3	57	b		58	20	3			EUH-3		H		2500	
										59	c		60							H			2500
						PROVISION		100	3	61	a		62	20	3			PROVISION					
										63	b		64										
						PROVISION		100	3	65	c		66	20	3			PROVISION					
										67	a		68										
						PROVISION		100	3	69	b		70	20	3			PROVISION					
										71	c		72										
						PROVISION		100	3	73	a		74	20	3			PROVISION					
										75	b		76										
						PROVISION		100	3	77	c		78	20	3			PROVISION					
										79	a		80										
						PROVISION		100	3	81	b		82	20	3			PROVISION					
										83	c		84										
						PARKING LOT LTS.				28	20	1								L	1592		
						PARKING LOT LTS.		100	3	27	30	1								L		1990	
						SPARE				32	20	1											
91290	90410	89990				Sum per phase (VA) left side												Sum per phase (VA) right side			83263	84970	80720
83263	84970	80720				Sum per phase (VA) right side																	
174553	175380	170710				Sum per phase (VA) panel																	
3%						Load Balance																	
633	amps					Largest Phase Load																	
700	amps					Minimum Feeder Rating																	

Total Connected (VA): 520643
Total Connected Amps: 633
Calculated Load (Amps) @ 100% 634

C

Panel Name: C
Panel Location: LEVEL 2 WALKWAY
Voltage: 120/208V
Phase/Wire: 3PH/4W
Minimum Interrupting Rating: 10,000A
New/Existing: New

MLO or Main C.B.: 300/3 MCB
Surface or Flush: FLUSH
Frame Amps: 400
Grounding: EQUIPMENT GROUND
Sections: TWO SECTION - 84X
Nema Rating: NEMA 1

Load VA Ph A	Load VA Ph B	Load VA Ph C	LOAD TYPE	Cond #	Notes	Branch Load Data	Wire	Breaker Trip	Breaker Pole	Breaker No.	Ph.	Ph.	Breaker No.	Breaker Pole	Breaker Trip	Notes	Wire	Branch Load Data	Cond #	LOAD TYPE	Load VA Ph A	Load VA Ph B	Load VA Ph C
3120			H							1	a		2							Z	645		
	3120		H			HP-1		50	2	3	b		4	20	2			HAND DRYER MENS RESTROOM		Z		645	
		520	H							5	c		6							Z			645
520			H			AHU-1		15	2	7	a		8	20	2			HAND DRYER WOMENS RESTROOM		Z	645		
	1488		M			EF1, EF-3, EF-4		20	1	9	b		10	20	1			PF-2		M		1127	
						SPARE		20	1	11	c		12	20	1			PF-4		M			1127
1127			M			PF-1		20	1	13	a		14	20	1			SPARE					
	1127		M			PF-3		20	1	15	b		16	20	1			HVTC-2		M		1587	
						SPARE		20	1	17	c		18	40	1			INSTANT WH (MENS)		Z			3500
1587			M			HVTC-1		20	1	19	a		20	40	1			INSTANT WH (MENS)		Z	3500		
	1587		M			HVTC-3		20	1	21	b		22	40	1			INSTANT WH (WOMENS)		Z		3500	
						SPARE		20	1	23	c		24	40	1			INSTANT WH (JANITOR)		Z			3500
						SPARE		20	1	25	a		26	20	1			WORKSTATION (107)		R	600		
						SPARE		20	1	27	b		28	20	1			WORKSTATION (107)		R		600	
						SPARE		20	1	29	c		30	20	1			WORKSTATION (107)		R			600
600			R			WORKSTATION (202)		20	1	31	a		32	20	1			WORKSTATION (201)		R	600		
	600		R			WORKSTATION (202)		20	1	33	b		34	20	1			WORKSTATION (201)		R		600	
		600	R			WORKSTATION (202)		20	1	35	c		36	20	1			WORKSTATION (201)		R			600
600			R			OFFICE (203)		20	1	37	a		38	20	1			SPARE					
	600		R			DIAD CLOSET		20	1	39	b		40	20	1			DIAD CLOSET		R		600	
		1200	Z			ELECTRIC WATER FOUNTAIN		20	1	41	c		42	20	1			EXTERIOR RECEPTACLES		R			360
2500			H			PTAC-1		30	2	43	a		44	20	1			LTS. MEZZANINE		L	538		
	2500		H							45	b		46	20	1			LTS. EXTERIOR (NORTH)		L		356	
		946	L			LTS. INBOUND (105)		20	1	47	c		48	20	1			LTS. (102,103,105,107)		L			718
303			L			LTS. EXTERIOR MDC		20	1	49	a		50	20	1			LTS. (104,107,MEZ, WALKWAY)		L	718		
	396		L			LTS. EXTERIOR SOUTH		20	1	51	b		52	20	1			GRINDER PUMP #1		M		1127	
		217	L			LTS. TRAILER		20	1	53	c		54	20	1			GRINDER PUMP #2		M			1127
						SPARE		20	1	55	a		56	20	1			GRINDER PUMP CONTROLS		Z	360		
						SPARE		20	1	57	b		58	20	1			SPARE					
						SPARE		20	1	59	c		60	20	1			SPARE					
						PROVISION		20	1	61	a		62	20	1			PROVISION					
						PROVISION		20	1	63	b		64	20	1			PROVISION					
						PROVISION		20	1	65	c		66	20	1			PROVISION					
						PROVISION		20	1	67	a		68	20	1			PROVISION					
						PROVISION		20	1	69	b		70	20	1			PROVISION					
						PROVISION		20	1	71	c		72	20	1			PROVISION					
						PROVISION		20	1	73	a		74	20	1			PROVISION					
						PROVISION		20	1	75	b		76	20	1			PROVISION					
						PROVISION		20	1	77	c		78	20	1			PROVISION					
						PROVISION		20	1	79	a		80	20	1			PROVISION					
						PROVISION		20	1	81	b		82	20	1			PROVISION					
						PROVISION		20	1	83	c		84	20	1			PROVISION					
10357	11378	3483				Sum per phase (VA) left side												Sum per phase (VA) right side			7604	10142	12177
7604	10142	12177				Sum per phase (VA) right side																	
17961	21520	15660				Sum per phase (VA) panel																	
32%						Load Balance																	
179	amps					Largest Phase Load																	
200	amps					Minimum Feeder Rating																	

Total Connected (VA): 55141
Total Connected Amps: 179
Calculated Load (Amps) @ 102% 183

D

200% RATED NEUTRAL / ISOLATED GROUND

Panel Name: D
Panel Location: SERVER ROOM
Voltage: 120/208V
Phase/Wire: 3PH/4W
Minimum Interrupting Rating: 10,000A
New/Existing: New

MLO or Main C.B.: 175A/3
Surface or Flush: SURFACE
Frame Amps: 225
Grounding: EQUIPMENT + IG GROUND
Sections: ONE SECTION - 30X
Nema Rating: NEMA 1

Load VA Ph A	Load VA Ph B	Load VA Ph C	LOAD TYPE	Cond #	Notes	Branch Load Data	Wire	Breaker Trip	Breaker Pole	Breaker No.	Ph.	Ph.	Breaker No.	Breaker Pole	Breaker Trip	Notes	Wire	Branch Load Data	Cond #	LOAD TYPE	Load VA Ph A	Load VA Ph B	Load VA Ph C
3000			Z			RACK UPS RECEPTACLES		40	1	1	a		2	20	1			RACK RECEPTACLE		R	1600		
	1600		R			RACK RECEPTACLES		30	1	3	b		4	30	1			RACK UPS RECEPTACLE		Z		3000	
		1600	R			RACK RECEPTACLES		20	1	5	c		6	20	1			RACK RECEPTACLE		R			1600
1600			R			RACK RECEPTACLES		20	1	7	a		8	20	1			SPARE					
	360		R			WALL RECEPTACLES		20	1	9	b		10	20	1			WALL RECEPTACLES		R		360	
		100	Z			FIRE ALARM PANEL		20	1	11	c		12	20	1			RACK RECEPTACLES		R			1600
						SPARE		20	1	13	a		14	20	1			SPARE					
						SPARE		20	1	15	b		16	20	1			SPARE					
						SPARE		20	1	17	c		18	20	1			SPARE					
						SPARE		20	1	19	a		20	20	1			SPARE					
						SPARE		20	1	21	b		22	20	1			SPARE					
						PROVISION		20	1	23	c		24	20	1			PROVISION					
						PROVISION		20	1	25	a		26	20	1			PROVISION					
						PROVISION		20	1	27	b		28	20	1			PROVISION					
						PROVISION		20	1	29	c		30	20	1			PROVISION					
4600	1960	1700				Sum per phase (VA) left side												Sum per phase (VA) right side			1600	3360	3200
1600	3360	3200				Sum per phase (VA) right side																	
6200	5320	4900				Sum per phase (VA) panel																	
24%						Load Balance																	
52	amps					Largest Phase Load																	
60	amps					Minimum Feeder Rating																	

Total Connected (VA): 16420
Total Connected Amps: 52
Calculated Load (Amps) @ 99% 51

E

Panel Name: DP
Panel Location: EXISTING SHOP
Voltage: 277/480V
Phase/Wire: 3PH/4W
Minimum Interrupting Rating: 10,000
New/Existing: New

MLO or Main C.B.: MLO
Surface or Flush: SURFACE
Frame Amps: 225
Grounding: EQUIPMENT GROUND
Sections: ONE SECTION - 42X
Nema Rating: NEMA 1

Load VA Ph A	Load VA Ph B	Load VA Ph C	LOAD TYPE	Cond #	Notes	Branch Load Data	Wire	Breaker Trip	Breaker Pole	Breaker No.	Ph.	Ph.	Breaker No.	Breaker Pole	Breaker Trip	Notes	Wire	Branch Load Data	Cond #	LOAD TYPE	Load VA Ph A	Load VA Ph B	Load VA Ph C
1434			H							1	a		2							H	1434		
	1434		H			IDH-1		20	3	3	b		4	20	3			IDH-2		H		1434	
		1434	H							5	c		6							H			1434
1194			L			LTS. PARKING LOT		20	1	7	a		8	20	1								
								20	1	9	b		10	20	1								
								20	1	11	c		12	20	1								
								20	1	13	a		14	20	1								
								20	1	15	b		16	20	1								
								20	1	17	c		18	20	1								
								20	1	19	a		20	20	1								
								20	1	21	b		22	20	1								
								20	1	23	c		24	20	1								
								20	1	25	a		26	20	1								
								20	1	27	b		28	20	1								
								20	1	29	c		30	20	1								
								20	1	31	a		32	20	1								
								20	1	33	b		34	20	1								
								20	1	35	c		36	20	1								
								20	1	37	a		38							SP	1947		
								20	1	39	b		40	90	3			PANEL 'E' VIA TX-E		SP		1610	
								20	1	41	c		42							SP			1622
2628	1434	1434				Sum per phase (VA) left side												Sum per phase (VA) right side			3381	3044	3056
3381	3044	3056				Sum per phase (VA) right side																	
6009	4478	4490				Sum per phase (VA) panel																	
31%						Load Balance																	
22	amps					Largest Phase Load																	
30	amps					Minimum Feeder Rating																	

Total Connected (VA): 14977
Total Connected Amps: 22
Calculated Load (Amps) @ 102% 22

E

Panel Name: E
Panel Location: EXISTING SHOP
Voltage: 120/208V
Phase/Wire: 3PH/4W
Minimum Interrupting Rating: 10000A
New/Existing: New

MLO or Main C.B.: MCB 300/3
Surface or Flush: SURFACE
Frame Amps: 400
Grounding: EQUIPMENT GROUND
Sections: ONE SECTION - 42X
Nema Rating: NEMA 1

Load VA Ph A	Load VA Ph B	Load VA Ph C	LOAD TYPE	Cond #	Notes	Branch Load Data	Wire	Breaker Trip	Breaker Pole	Breaker No.	Ph.	Ph.	Breaker No.	Breaker Pole	Breaker Trip	Notes	Wire	Branch Load Data	Cond #	LOAD TYPE	Load VA Ph A	Load VA Ph B	Load VA Ph C
1587			H			EF-2		20	1	1	a		2	20	1			REC (CORD DROP)		R	180		
	1070		H			PF-6		20	1	3	b		4	20	1			REC. (NORTH WALL)		R		360	
		1070	R			PF-5		20	1	5	c		6	20	1			REC (BUMP-OUT S. WALL)		R			180
								20	1	7	a		8	20	1			REC. (CORD DROP)		R	180		
								20	1	9	b		10	20	1			REC. (CORD DROP)		R		180	
								20	1	11	c		12	20	1			LTS. VEHICLE MAINT.		L			372
								20	1	13	a		14	20	1								
								20	1	15	b		16	20	1								
								20	1	17	c		18	20	1								
								20	1	19	a		20	20	1								
								20	1	21	b		22	20	1								
								20	1	23	c		24	20	1								
								20	1	25	a		26	20	1								
								20	1	27	b		28	20	1								
								20	1	29	c		30	20	1								
								20	1	31	a		32	20	1								
								20	1	33	b		34	20	1								
								20	1	35	c		36	20	1								
								20	1	37	a		38	20	1								
								20	1	39	b		40	20	1								
								20	1	41	c		42	20	1								
1587	1070	1070				Sum per phase (VA) left side												Sum per phase (VA) right side			360	540	552
360	540	552				Sum per phase (VA) right side																	
1947	1610	1622				Sum per phase (VA) panel																	
20%						Load Balance																	
16	amps					Largest Phase Load																	
20	amps					Minimum Feeder Rating																	

Total Connected (VA): 5179
Total Connected Amps: 16
Calculated Load (Amps) @ 102% 17

REVISIONS:

1	10/21/21	ADDENDUM #1
2		
3		
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PROJECT #: 26197.00
DATE: AUGUST 09, 2021
DRAWN BY: PFI
DESIGNER: PFI
CHECKED BY: PFI

Pickering
Pickering Firm, Inc.
Facility Design • Civil Engineering • Surveying •
Transportation • Natural / Water Resources
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UNITED PARCEL SERVICE
LAKE CITY FACILITIES RENOVATION
143 N.E. ARMOR GLEN
LAKE CITY, FL

SEAL:

RONALD A. FULLER
CERTIFICATE
#38203
STATE OF FLORIDA
REGISTERED ENGINEER
10/21/21

SHEET NUMBER:

E-602

DESCRIPTION:
ELECTRICAL SCHEDULES

A-FRAME (MOD'S 1-3 ONLY)

1 TYPE:	PERIMETER
2 MAIN BEAM:	W12"x 16# I-BEAM (ROLLED)
3 X-MEMBER:	8" x 10 GA FORMED STEEL @ 24" O.C.
3a X-MEMBER:	W10"X12# I-BEAM (ROLLED)- AT AXLE AND HITCH AREAS
	NOTE: CROSS-MEMBERS HELD FLUSH WITH TOP OF MAIN RAILS.
5 HITCH:	BOLT-ON (PINTLE EYE)
6 AXLES:	SIX AXLES
	NOTE: ALL AXLES TO BE INSTALLED AS SINGLE AXLES
7 SPRINGS:	MULTI LEAF, OVERSLUNG
	w/ HANGERS, EQUALIZERS, AND AXLE ATTACHING PARTS
8 TIRES:	8'OO X 14.5, 14 PLY
9 TIE DOWN:	TIE DOWNS TO BE INSTALLED PER SHEET A2.0 BY OTHERS ON SITE
10 MISC:	4"x12" OAK TIMBERS @ HITCH END MOD. #1 & 3, BOTH SIDEWALLS MOD'S 1-3, ATTACHED TO FRAME w/ 1/2" DIA. x 7"L. HEX BOLTS, 4' O.C. NOMINAL
17 MISC:	THIS UNIT WILL HAVE STEEL POSTS
25 UNDER COATING:	RUST INHIBITIVE LATEX TYPE PAINT, BLACK: 100% COVERAGE OF STRUCTURAL MEMBERS.

B-FLOOR (MOD'S 1-3 ONLY)

1 BOTTOM BOARD:	NONE
2 INSULATION:	R-19 (3" NOMINAL) CLASS "A" FOAM, I.C.C. ES LISTED FOR USE IN THIS APPLICATION WITHOUT THERMAL BARRIER (SEE ESR-3500)
3 JOISTS:	NONE - FLOOR DECKING APPLIED DIRECTLY TO X'MBRS
4 DECKING:	1/4" DIAMOND PLATE (PAINTED BLACK)
	NOTE: SHIP LOOSE 4"W x 1/8"T STEEL DIAMOND PLATE TO COVER MATELINE GAP IN FLOOR
5 COVERING:	NONE

C-EXTERIOR WALLS (MOD'S 1-3 ONLY)

1 WALL FRAMING:	3"x3" or 3"x2" - x 1/8"T. STEEL TUBE
4 COVERING:	29 GA. STEEL (CENTRAL STATES MANUFACTURING INC.) VERT. CRIMP **COLOR: WHITE**
4a COVERING:	29 GA FLAT STEEL (CENTRAL STATES MANUFACTURING INC) - ABOVE F2 & F3 ROLL UP AND F1 PERSONNEL DOORS **COLOR: WHITE**
5 SHEATHING:	WEATHER / WATER RESISTIVE BARRIER (DRYLINE HP)
6 INSULATION:	R-13 FSK FACED FIBERGLASS BATT
NOTE:	INSULATION FACING NOT REQUIRED IN UNITS NOT EQUIPPED WITH HEAT
7 SIDING:	26 GA. NIFFTONE R-LOC STEEL SIDING VERT. CRIMP **COLOR: LIGHT STONE**
NOTE:	SEE SHEET A4.5 & S2.1a FOR SIDING DETAILS
8 TRIM:	26 GA. STEEL **COLOR: LIGHT STONE**
9 SKIRTING:	NONE, SUPPLIED AND INSTALLED BY OTHERS ON SITE

C-EXTERIOR WALLS: (MOD'S 20-30)

NOTE:	SIDEWALLS BUILT IN SECTIONS AND ASSEMBLED IN SECTIONS AT SITE
1 MOD. #5,16,30,41 SIDEWALL HORIZ. FRAMING:	6"x2 1/2"x11ga. FORMED "C"
1a MOD. #5,16,30,41 SIDEWALL VERT. FRAMING:	9"x2 1/2"X11ga. FORMED "C"
1b ENDWALL HORIZ. FRAMING	3"x3"x1/8" STEEL TUBE
1c ENDWALL COLUMNS	C10"x20# CHANNEL
NOTE:	PRIMED AND PAINTED STRUCTURAL STEEL WITH GLIDDEN KEM AQUA. SIDEWALL HT: 18'-1 1/2" ENDWALL HT: VAIRES SEE DRAWINGS
NOTE:	INSTALL 3"W 14 or 16 GA. FLAT STEEL DIAGONAL BRACING ON EXTERIOR SIDE OF STEEL CHANNEL FRAMED WALLS
NOTE:	WELD 13"L SECTION OF C10"x20# CHANNEL TO INBOARD SIDE OF C10"X20# VERTICAL COLLUMNS TO ATTACH BOTTOM CHORD OF ROOF TRUSS. SEE DETAILS FOR LOCATION

2 SIDEWALL BOTTOM PLATE: 9"W x 1/4" STEEL PLATE
2a ENDWALL BOTTOM PLATE: 10"W x 3/8" STEEL PLATE
4 COVERING: 29 GA NIFF-TONE GALVALUME LINER PANEL- **COLOR: WHITE**
5 SHEATHING: NONE
6 INSULATION: R-13 FSK
7 SIDING: 26 GA. NIFFTONE R-LOC STEEL SIDING **COLOR: LIGHT STONE**
8 TRIM: 26GA. STEEL TRIM **COLOR: LIGHT STONE**

E-ROOF (MODS 1-3)

1 RAFTERS: 8"H. 11 GA. TAPERED FORMED C @ 48" O.C.- SPACING
2 SIDERAILS: 11 GA. FORMED STEEL CHANNEL
2a ENDRAFTERS: 11 GA. FORMED STEEL C-CHANNEL
4 CEILING: NONE
6 INSULATION: 4" RIGID INSULATION BOARD
6a INSULATION: 1" HUNTER XCI-286 RIGID INSULATION INSTALLED IN WEB OF ROOF SIDERAIL AND END RAFTERS
NOTE: LISTED FOR DIRECT APPLICATION TO STEEL DECK NO THERMAL BARRIER REQUIRED
7 SHEATHING: 22 GA. 1 1/2" RIB DECK
7a SHEATHING: 1/2" DENSDECK INSTALLED OVER 4"T INSULATION BOARD
8 ROOFING: EPDM RUBBER 1-PC. MEMBRANE, 60 mil, BLACK
9 MANSARD: NONE
11 VENTS: NOT REQUIRED - ROOF CAVITY IS NOT ENCLOSED
12 GUTTER: GUTTER & (2) DOWNSPOUTS PER MODULE

E-ROOF (MODS 20-30)

1 RAFTERS:	10" x 12GA. STEEL "C" RAFTERS
1a SIDERAIL:	CUSTOM BENT SIDERAIL CLIP
2 MATE BEAM:	STEEL CLEAR SPAN TRUSS (NEW MILLENIUM BUILDING SYSTEMS) TRUSS HEIGHT VARIES SEE SHEET S4.5 FOR TRUSS DRAWINGS
NOTE:	SEE TRUSS DRAWING DETAILS FOR FOLDING ENDWALL ATTACHMENT
6 INSULATION:	4" RIGID INSULATION BOARD (HUNTER H-SHIELD CG)
7 SHEATHING:	22ga METAL DECKING WITH 1 1/2" RIBS
NOTE:	PRIMED AND PAINTED STRUCTURAL STEEL WITH GLIDDEN KEM AQUA
7a SHEATHING:	1/2" DENSDECK INSTALLED OVER 4"T INSULATION BOARD
8 ROOFING:	EPDM RUBBER 1-PC. MEMBRANE, 60 mil, BLACK
9 MANSARD:	NONE - SIDEWALLS TO CONCEAL ROOF SLOPE FOR PARAPET STYLE/ SQUARE PROFILE
13 MISC: CHANNEL	(2) COLUMNS w/ TOP HINGES PER ENDWALL, COLUMNS TO BE C-
14 MISC:	SHIP LOOSE (12) LIFTING EYES

F-DOORS:

1 EXT. DOOR: 36"W X 80"H 18 GA COMM. INSUL. STEEL W/ 10" X 10" VISION PANEL (SAFETY GLAZED)
EXT. COLOR: MATCH LIGHT STONE
INT. COLOR: TO MATCH COVE BASE
R.O. 37 3/4"W X 80 3/4"H THROAT:
HARDWARE:
a: PANIC (w/ EXTERIOR PULL AND KEY CYLINDER)
NOTE: FIGURE 8 CONSTRUCTION CORE- 6 PINS
c: CLOSER
d: THRESHOLD
e: WEATHERSTRIPPING

2 EXT. DOOR: 36"W X 80"H 18 GA COMM. INSUL. STEEL W/ 10" X 10" VISION PANEL (SAFETY GLAZED)
EXT. COLOR: MATCH LIGHT STONE
INT. COLOR: WHITE
R.O. 37 3/4"W X 80 3/4"H THROAT:
HARDWARE:
a: LOCKSET (LEVER) GRADE 1
NOTE: FIGURE 8 CONSTRUCTION CORE- 6 PINS
c: CLOSER
d: THRESHOLD
e: WEATHERSTRIPPING

3 EXT. DOOR: 108"W X 96"H METAL COIL ROLL-UP DOOR, WAYNE DALTON BRAND W/ SLIDE LOCKS
COLOR: WHITE
ROUGH OPENING: 108"W X 96"H UP: 3'-9 1/4"
HARDWARE:
a: SLIDE LATCH (EACH SIDE) INSIDE ONLY- @ DOOR BOTTOM
b: TRACKS
d: WEATHERSTRIPPING
COLOR: WHITE

4 EXT. DOOR: 60"W X 96"H METAL COIL ROLL-UP DOOR, WAYNE DALTON BRAND W/ SLIDE LOCKS
COLOR: WHITE
ROUGH OPENING: 60"W X 96"H
HARDWARE:
a: SLIDE LATCH (EACH SIDE) INSIDE ONLY- @ DOOR BOTTOM
b: TRACKS
d: WEATHERSTRIPPING
COLOR: WHITE

5 EXT. DOOR: 120"W X 120"H METAL COIL ROLL-UP DOOR, WAYNE DALTON BRAND W/ SLIDE LOCKS
COLOR: WHITE
ROUGH OPENING: 120"W X 120"H
HARDWARE:
a: SLIDE LATCH (EACH SIDE) INSIDE ONLY- @ DOOR BOTTOM
b: TRACKS
d: WEATHERSTRIPPING
COLOR: WHITE

G-WINDOWS:

NOTE: ALL WINDOWS TO BE INSTALLED BEFORE SIDING

1 SIZE: 48" x 36" VINYL HORIZONTAL SLIDER
R.O.: 48 1/2" x 36 1/4" UP: 44"
FRAME COLOR: WHITE
GLAZING: DOUBLE INSULATED LOW E CLEAR
MISC: 1" MINI BLINDS (ALABASTER)
MISC: INSECT SCREENS

H-ELECTRICAL:

1 PANELBOARD:	480/277V., 3-PHASE, 60 HZ, MAIN BREAKER TYPE PANELBOARD - SURFACE MOUNT 600 AMP MDP
1b PANELBOARD:	SUB PANEL 120/208V 3-PHASE 100A MAIN BREAKER TYPE (rp panel)
1d TRANSFORMER:	480V PRIMARY / 120/208V SECONDARY 45 KVA, INDOOR DRY TYPE
2 SERV ENT:	EMT TO SUB PANEL FROM MDP, SERVICE TO MDP BY OTHERS ON SITE
NOTE:	ALL SERVICE ENT. WIRING TO BE TYPE THWN COPPER.
3 WIRING:	EMT (#12 MIN WIRE SIZE) - TYPE THHN- EXPOSED w/ SET SCREW FITTINGS MC CABLE W/ INTERLOCKING TAPE SHEATH FOR FIXTURE WHIPS (#12 MIN WIRE SIZE) - TYPE THHN
5 INT. LIGHTS: (MOD'S 20-30)	44"x15" HIGH BAY LED LIGHT, LITHONIA #IBH 18000LM MVOLT MOUNTED TIGHT TO UNDERSIDE OF RAFTERS
5A INT. LIGHTS: (MOD'S 20-30)	44"x15" HIGH BAY LED LIGHT WITH EMERGENCY BALLAST, LITHONIA #IBH 18000LM MVOLT MOUNTED TIGHT TO UNDERSIDE OF RAFTERS. (LIGHTS WIRED FOR CONTINUOUS OPERATION BRANCH CIRCUIT HAS HANDLE LOCK)
6 INT. LIGHTS: (MOD'S 1-3)	48"x12" LED 2-ROW, 120/277 DUAL-VOLTAGE LED - SURFACE MOUNTED LUMAX DKLED44L5K48-9FA-FX1
6a INT. LIGHTS: (MOD'S 1-3)	48" x 12" LED -ROW, 120/277 DUAL-VOLTAGE LED - SURFACE MOUNTED EMER. DRIVER, LUMAX DKLED44L5K48-PFAFX1-EM2 NOTE: EMER. DRIVER OPERATES FOR 1 1/2 HOURS NOTE: INTERIOR LIGHTING FIXTURES, H6 & H6a, TO BE MOUNTED 84" ABOVE FLOOR, IN SINGLE-WIDE DOCK MODs, USING FORMED MTG. BRACKET.
14 EXT. LIGHTS:	LITHONIA MODEL OLW LED WALL LIGHT W/ PHOTO CELL CONTROL- UP 86" TO BOTTOM
15 EXT. LIGHTS:	EXTERIOR DOCK LIGHT ATTACHED TO DOOR HEADER ON EXTERIOR OF UNIT.
19 EGRESS LIGHTS:	EXIT/EMERGENCY LIGHT W/ BATTERY PACK & EXTERIOR REMOTE HEAD (W.P.) EXITRONIX VEX-S-BP-WB-WH-R, 120V/277V - UP 84" TO BOTTOM
NOTE:	EXT. HEAD SHIPPED LOOSE, FOR INSTALLATION BY OTHERS ON SITE
21 RECEPT:	125V/20A DUPLEX UP 18" TO BOTTOM OF BOX UNLESS NOTED
25 RECEPT:	125V/20A DUPLEX (GFI) WEATHERPROOF WEATHER RESISTANT RECEPT UP:6" INSTALLED ON EXTERIOR OF BUILDING
30 SWITCHES:	277V/15A SINGLE POLE UP 44" TO BOTTOM
31 SWITCHES:	277V/15A 3-WAY - UP 44" TO BOTTOM
32 SWITCHES:	277V/15A 4-WAY - UP 44" TO BOTTOM
35 FIRE ALARM:	ROUGH-IN ONLY FOR PULL STATION 2x4 BOX UP: 44" TO BOTTOM WITH 1/2" EMT TO CEILING CAVITY.
36 FIRE ALARM:	ROUGH-IN ONLY FOR HORN/STROBE 4x4 BOX UP: 80" TO BOTTOM WITH 1/2" EMT TO CEILING CAVITY.
NOTE:	FIRE ALARM SYSTEM TO BE PROVIDED AND INSTALLED BY OTHERS ON SITE
NOTE:	RECEPTS AND SWITCHES TO HAVE GALVANIZED EXPOSED WORK COVER PLATES

K-H.V.A.C.:

1 HEATING/ COOLING:	WALL MOUNT 1T COOLING, 3.6KW HEATING 208V (SHIPPED LOOSE FOR INSTALLATION BY OTHERS ON SITE) (FRONT DISCHARGE) w/ BUILT IN DISCONNECT AIR CONDITIONER WITH ELECTRIC HEAT
NOTE:	OUTDOOR INTAKE AIR DAMPER TO BE IN CLOSED POSITION FOR SHIPPING
NOTE:	INTAKE AIR DAMPER MUST BE ADJUSTED ON SITE FOR PROPER AIRFLOW - SEE HVAC UNIT OPERATING INSTRUCTIONS
2 HEATING/ COOLING:	THRU WALL HEAT / COOL UNIT 12,000 BTU NOMINAL GE MODEL #AJES12DCC, UNIT TO BE SHIPPED LOOSE FOR INSTALLATION BY OTHERS ON SITE. R.O.
4 DIFFUSERS:	WALL GRILLE @ HVAC UNIT FOR 1-TON WALL MOUNT UNIT
10 THERMOSTAT:	FOR CENTRAL HVAC UNIT - UP 48" TO BOTTOM PROGRAMABLE AUTO CHANGEOVER HEAT & COOL (SHIPPED LOOSE FOR INSTALLATION BY OTHERS ON SITE)
11 FANS	14" YOKE CEILING MOUNTED FAN -- PATTERSON YM14
	277V SINGLE-PHASE -- SEE DRAWINGS AND PANEL SCHEDULE FOR FAN QUANTITY AND LOCATION(S)- SUPPLIED BY OTHERS, INSTALLED BY FACTORY
12 FANS	PATTERSON TRUCK COOLER FAN 277V SINGLE PHASE - SEE DRAWINGS AND PANEL SCHEDULE FOR QUANTITY AND LOCATION(S) - SUPPLIED BY OTHERS AND INSTALLED IN FACTORY.

L-FURNITURE & INTERIOR FURNISHINGS: - NONE

M-MISCELLANEOUS:

1 SHIP LOOSE:	EXTERIOR & INTERIOR MATELINE CLOSE-UP MATERIAL SHIPPED LOOSE FOR INSTALLATION BY OTHERS ON SITE.
2 SHIP LOOSE:	SHIP LOOSE ALL CUSTOMER SUPPLIED DOCK SEALS
3 MISC.:	INSTALL CUSTOMER PROVIDED LOCKERS
5 SHIP LOOSE:	SHIP LOOSE (3) 43"x12'-0"L SHEETS OF WHITE AND LIGHT STONE FLAT STOCK
6 SHIP LOOSE:	SHIP LOOSE (12) TUBES OSI BRAND NO. 455 QUAD WINDOW, DOOR & SIDING SEALANT COLOR: BEIGE

TRIM PACKAGE:

BASE MOLDING: STEEL "L"

INSIDE CORNER: STEEL "J"
OUTSIDE CORNER: NONE
WALL @ CEILING: STEEL "J"
PANEL SEAMS: NONE
CEILING: NONE
EXT. DOOR TRIM/CASING:STEEL JAMB,
COLOR: LIGHT STONE

GENERAL SPECIFICATION NOTES:

1.) BUILDING NOT TO BE LOCATED IN A DESIGNATED FIRE ZONE.

3.) THIS BUILDING NOT TO BE LOCATED IN A FLOOD PRONE AREA.

4.) WHITLEY MFG. CO., INC. IS NOT RESPONSIBLE FOR THE LOCAL CODE REQUIREMENTS OVER AND ABOVE THE ENCLOSED SPECIFICATIONS. THE SPECIFICATIONS ARE BASED ON THE DESIGN PARAMETERS OF THE CODES LISTED.

5.) DRINKING FOUNTAINS AND SERVICE SINKS SHALL BE PROVIDED AND INSTALLED BY OTHERS ON SITE. BOTTLED WATER MAY BE PROVIDED IN LIEU OF A DRINKING FOUNTAIN.

7.) RESTROOM AND HANDICAPPED RESTROOM FACILITIES MUST BE READILY ACCESSIBLE WITHIN A REASONABLE PROXIMITY OF THIS BUILDING ON THE SITE; BUILDING OFFICIAL TO VERIFY EXISTING FACILITIES.

14.) THIS BUILDING DOES NOT HAVE FIRE-RATED EXTERIOR WALLS.

15.) THIS BUILDING SHALL NOT BE LOCATED IN AREAS WITH SNOW, WIND, AND /OR SEISMIC LOADS IN EXCESS OF THOSE NOTED ABOVE IN BUILDING DESIGN LOADS..

16.) OWNER TO PROVIDE SYMBOL MARKED WITH LETTER "R" LOCATED WITHIN 24" OF MAIN ENTRY DOOR, NOT LESS THAN 4' AND NOT MORE THAN 6' FROM GRADE,
PER 2014 FLORIDA FIRE PREVENTION CODE, 5TH ED., SECTION 69A-60.0081

BUILDING INFORMATION:

OCCUPANCY CLASS: F
CONSTRUCTION TYPE: IIB
FIRE PROTECTION: UNSPRINKLED
BUILDING AREA: 11080 SQ/FT
STORIES: 1
OCCUPANT LOAD: 37

BUILDING DESIGN LOADS:

FLOOR LIVE LOAD UNIFORM -------- 125 PSF
FLOOR LIVE LOAD CONCENTRATED -------- 2000 LBS
FLOOR IMPACT LOAD ------ N/A LBS
FLOOR LIVE LOAD (CORRIDOR)------ N/A PSF
FLOOR DEAD LOAD ------ 20.24 PSF
DESIGN ROOF LIVE LOAD ------- 40 PSF
GROUND SNOW LOAD ------- 40 PSF
ROOF DEAD LOAD ------- 6.76 PSF
FLAT ROOF SNOW LOAD ------- 40 PSF
SNOW EXPOSURE FACTOR ------- 1.00
SNOW LOAD IMPORTANCE FACTOR ------- 1.0
THERMAL FACTOR ------- 1.0
RAIN ON SNOW SURCHARGE LOAD ------ N/A
BASIC WIND SPEED ------ 130 MPH
WIND IMPORTANCE FACTOR ------ 1.0
OCCUPANCY CATEGORY ------ II
WIND EXPOSURE ------ C
DESIGN BASIC WIND PRESSURE ------ 25.65 PSF
SEISMIC USE GROUP ------- I
SEISMIC IMPORTANCE FACTOR ------- 1.00
SPECTRAL RESPONSE COEFFICIENT SDS------ .120
SPECTRAL RESPONSE COEFFICIENT SD1 ------ .096
SITE CLASS ------- D
BASIC SEISMIC-FORCE-RESISTING SYSTEM -------B4
DESIGN BASE SHEAR ------- 89534.2
SEISMIC DESIGN CATEGORY ------- B
WINTER OUTDOOR DESIGN TEMP. ------ 40°
WINTER INDOOR DESIGN TEMP. ------ 68°

UNIT LABELS: DATA PLATE, THIRD PARTY LABEL, STATE OF FLORIDA LABEL
DATA PLATES AND LABELS LOCATED ON LOAD CENTER

SEALED DRAWINGS: THIRD PARTY, STATE OF FLORIDA ENGINEER

MODEL APPROVAL: THIRD PARTY, STATE OF FLORIDA

DESIGN CRITERIA:

2017 NATIONAL ELECTRICAL CODE
2020-FBC-B FLORIDA BUILDING CODE
2020-FBC-M FLORIDA MECHANICAL CODE
2020-FBC-P FLORIDA PLUMBING CODE
2020-FBC-EC FLORIDA ENERGY CODE
2020-FBC-FPC FLORIDA FIRE CODE (2018 NFPA)
2020-FBC-FG FLORIDA FUEL GAS CODE
2020-FBC-AC FLORIDA ACCESSIBILITY CODE
2020-FFPC FLORIDA FIRE PREVENTION CODE (2018 NFPA)

BUILDING CODES:

2. ALL LOCKS TO BE UNLOCKABLE FROM INTERIOR WITHOUT THE USE OF A KEY.
3. CORROSION RESISTANT FLASHING REQUIRED AT TOP AND SIDES OF DOORS, WINDOW, AND ROOF PENETRATORS.
4. SAFETY GLAZING SHALL BE INSTALLED PER APPLICABLE CODES.
5. EXTERIOR EGRESS ELEMENTS TO BE SITE PROTECTED FROM SNOW AND ICE ACCUMULATION.
6. DEALER SHALL BE RESPONSIBLE FOR ON SITE BARRIER FREE PROVISIONS INCLUDING ALL: ADA REQUIRED STEPS, RAMPS, HANDRAILS,PARKING, ETC. AND APPLICABLE SIGNAGE (INTERIOR AND EXTERIOR) FOR THE VISUALLY IMPAIRED AND NON-AMBULATORY

BUILDING CODE FIELD NOTES:

1. TIE-DOWN ANCHORING TO BE INSTALLED ON SITE PER DEALER CONTRACTUAL AGEEMENT.
2. PLUMBING AND ELECTRICAL CONNECTIONS TO BE PROVIDED AND INSTALLED ON SITE PER DEALER CONTRACTUAL AGREEMENT.
3. ALL ADA REQUIRED STEPS, RAMPS, HANDRAILS, PARKING, ETC… AND APPLICABLE SIGNAGE. (INTERIOR AND EXTERIOR) FOR THE VISUALLY IMPARED AND NON-AMBULATORY TO BE PROVIDED AND INSTALLED ON SITE PER DEALER CONTRACTUAL AGREEMENT.

ELECTRICAL NEC:

1. ALL RECEPTACLES TO BE GROUNDING TYPE.
2. ALL WIRING TO BE PER N.E.C.
3. MAIN PANEL TO BE MARKED "SUITABLE FOR USE AS SERVICE EQUIPMENT", AND HAVE BREAKER/FUSE TYPE OVERCURRENT PROTECTION.
4. PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS.
5. DISCONNECTING MEANS WITHIN SIGHT REQUIRED FOR ALL MOTORS.
6. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS AND / OR RECEPTACLES.
7. PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT.
8. ALL FLUORESCENT FIXTURES REQUIRE THERMAL PROTECTION.
10. ALL EMERGENCY LIGHTING (IF REQUIRED) AND EXIT SIGNS WILL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES PER NEC ARTICLE 700.
11. ALL EMERGENCY LIGHTING HAS A BATTERY PACK TO ASSURE CONTINUED ILLUMINATION.
12. GROUNDING ELECTRODE SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 250 N.E.C.
13. MAIN DISTRIBUTION PANEL (S) SHALL BE INSTALLED ON SITE PER DEALER CONTRACTUAL AGREEMENT.
14. SERVICE ENTRANCE CONDUCTORS TO BE 75 COPPER TYPE THWN.
15. WATER HEATER (IF APPLICABLE) TO HAVE LOCKABLE BREAKER OR PROVIDE DISCONNECTING MEANS WITHIN SIGHT OF W.H. PER NEC 422
16. CONDUIT COUPLERS ARE MECHANICALLY FASTENED AND NOT COMPRESSION FITTINGS

ELECTRICAL FIELD NOTES:

1. ELECTRICAL SERVICE ENTRANCE CONDUCTORS TO BE PROVIDED AND INSTALLED ON SITE PER DEALER CONTRACTUAL AGREEMENT.
2. GROUNDING ELECTRODES TO BE PROVIDED AND INSTALLED ON SITE PER DEALER CONTRACTUAL AGREEMENT.

DRAWING INDEX:

A0.0 - SPECIFICATIONS
A1.0 - EXTERIOR ELEVATIONS
A2.1 - FLOOR PLAN
A3.1 - REFLECTED CEILING PLAN
S2.1 - CROSS SECTION
S2.1a - MDC CROSS SECTION DETAILS
S2.1b - MDC CROSS SECTION DETAILS
S2.2 - FOLDING BUILDING SIDING DETAILS
S2.3 - FOLDING BUILDING SIDING DETAILS PAGE #2

SITE WORK LIST:

1.) INSTALL MODULE SECTIONS
2.) INSTALL MODULE SIDEWALL PANELS
3.) INSTALL ALL ROOF AND SIDING FLASHING / CLOSE UP MATERIAL
4.) CONNECT ALL SITE UTILITIES
5.) INSTALL SITE BUILT INTERIOR WALLS
6.) INSTALL SITE BUILT RESTROOMS
7.) INSTALL ALL ELECTRICAL AND LIGHTING IN ALL SITE BUILT ROOMS
8.) INSTALL ALL PLUMBING FOR SITE BUILT RESTROOMS
9.) INSTALL ALL RESTROOM FIXTURES AND ACCESORIES IN SITE BUILT RESTROOMS
10.) INSTALL ALL HVAC UNITS AND EXHAUST FANS FOR ALL SITE BUILT ROOMS

CODE SUMMARY:

-SITE ADDRESS: UNITED PARCEL SERVICES, 3990 IMESON ROAD, JACKSONVILLE FL 32219
-OCCUPANCY TYPE: F
-BUILDING CONSTRUCTION TYPE: IIB
-GROSS SQUARE FOOTAGE: 11080
-NUMBER OF STORIES: (1) STORY
-BUILDING HEIGHT: 18'-1 1/2"
-INTERIOR WALL AND CEILING FINISH REQUIREMENTS: 5/8" TYPE-X DRYWALL COVERED NON-RATED WALLS AND CEILING
-FIRE PROTECTION SYSTEMS: FIRE ALARM SYSTEM

No.	Description	Date

No.	Description	Date

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Drawn By:	AMP
Checked By:	PG
Rev:	1

SPECIFICATIONS

Model#
VARIOUS MODULE SIZES

Serial No.	
Quote No.	
Model No.	
Job No.	
Date:	2-14-22
Scale:	1/4" = 1'-0"
Page No.	A0.0

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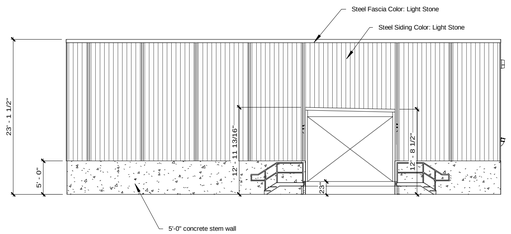
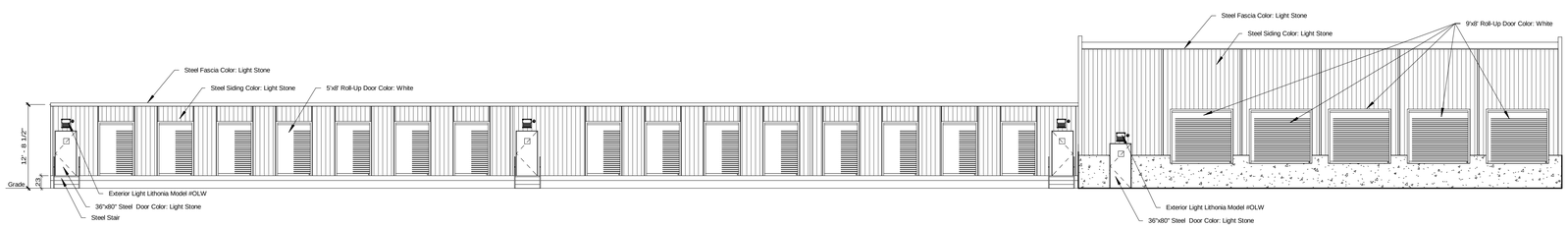
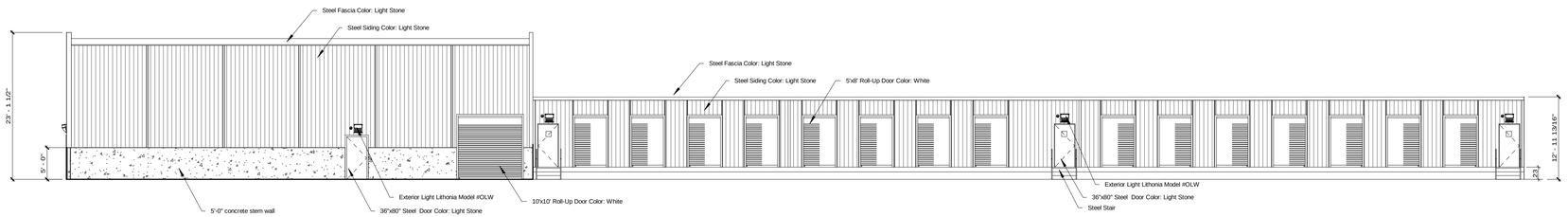


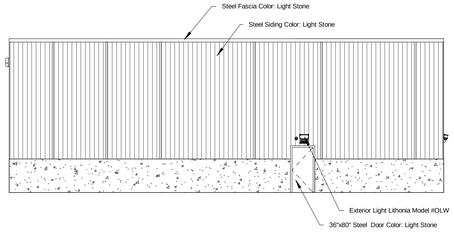
West Elevation



South Elevation



North Elevation



East Elevation

1 Exterior Elevations
3/32" = 1'-0"

No.	Description	Date

No.	Description	Date

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Drawn By:	AMP
Checked By:	PG
Rev:	

EXTERIOR ELEVATIONS

Model#

VARIOUS MODULE SIZES

Serial No.	
Quote No.	
Model No.	
Job No.	
Date:	2-14-22
Scale:	3/32" = 1'-0"
Page No.	A1.0

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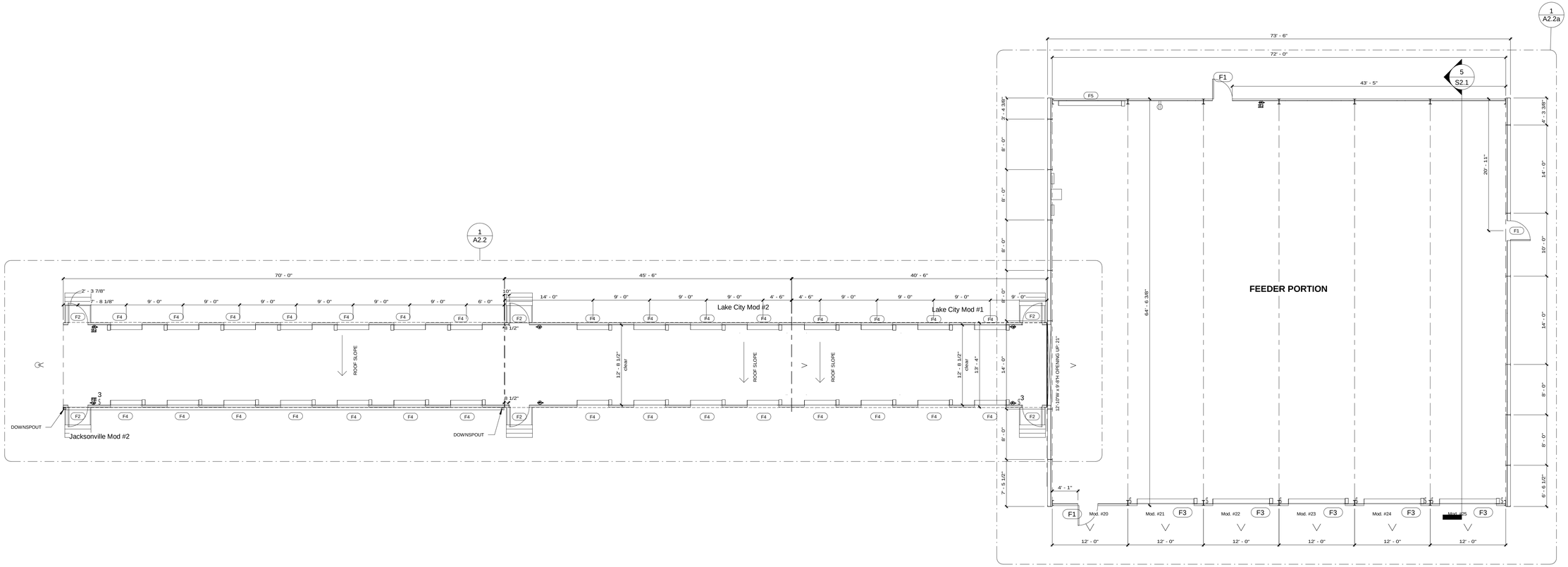

Legend

- H1
- H4
- H5
- H5a
- H14
- H15
- H19
- REMOTE HEAD
- H21
- GFCI H22
- HT H24
- WP H25
- 4 H27
- 3 H28
- 0 H29
- H33
- H35
- H36
- J20
- J21
- K4
- K8
- K10

Note: Identification hexagons on the drawings and in the symbol legend correspond to the project specifications.

No.	Description	Date
1	revised per deviation report	3-23-16

No.	Description	Date

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FLOOR PLAN

Model#

VARIOUS MODULE SIZES

Serial No.	
Quote No.	
Model No.	
Job No.	
Date:	2-14-22
Scale:	As indicated
Page No.	A2.1

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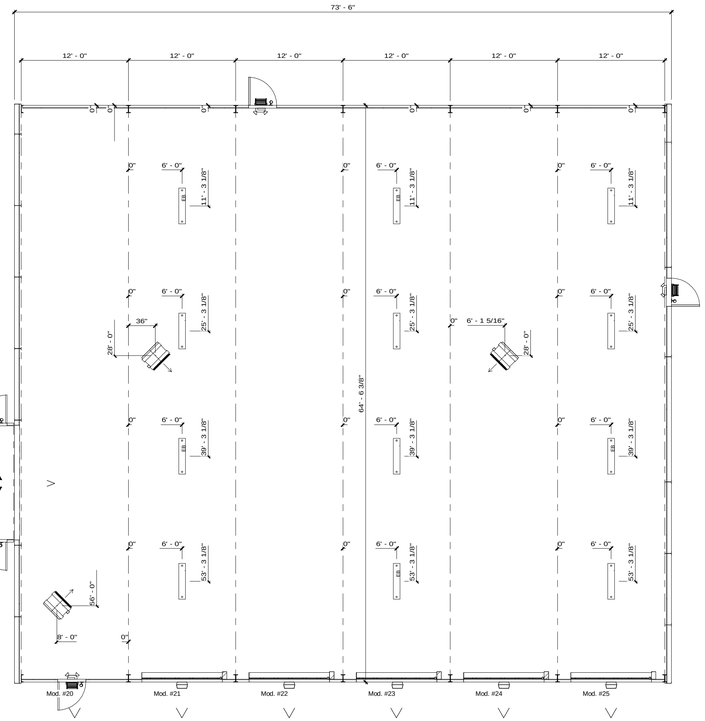

1 Ceiling Plan Overall
1/8" = 1'-0"

Legend

H1
H4
H5
H5a
H14
H15
H19
REMOTE HEAD
H21
H22
H24
H25
H27
H28
H29
H33
H35
H36
J20
J21
K4
K8
K10

Note: Identification hexagons on the drawings and in the symbol legend correspond to the project specifications.

No.	Description	Date

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REFLECTED CEILING PLAN

Model#

VARIOUS MODULE SIZES

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Model No.	
Job No.	
Date:	2-14-22
Scale:	As indicated
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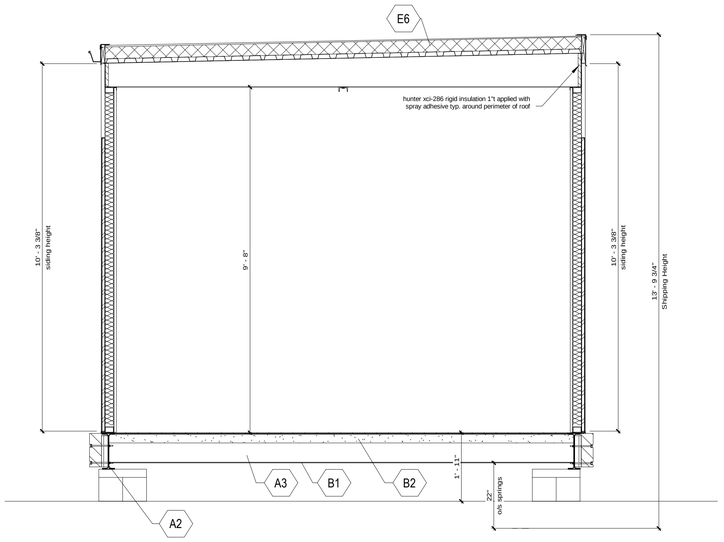
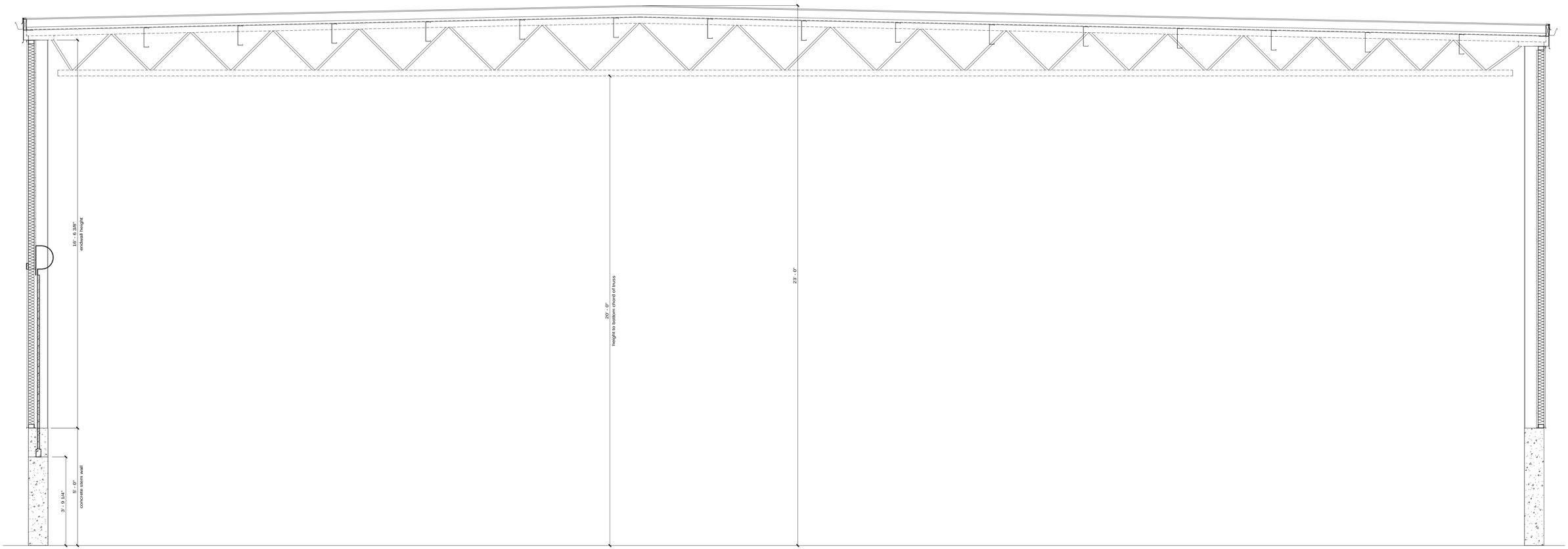


2 Cross Section Mod's 1,2,3
1/2" = 1'-0"



5 Longitudinal Section Mod's 20-30
1/2" = 1'-0"

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CROSS SECTION

Model#

VARIOUS MODULE SIZES

Serial No.	Date: 2-14-22
Quote No.	Scale: 1/2" = 1'-0"
Model No.	Page No. S2.1
Job No.	

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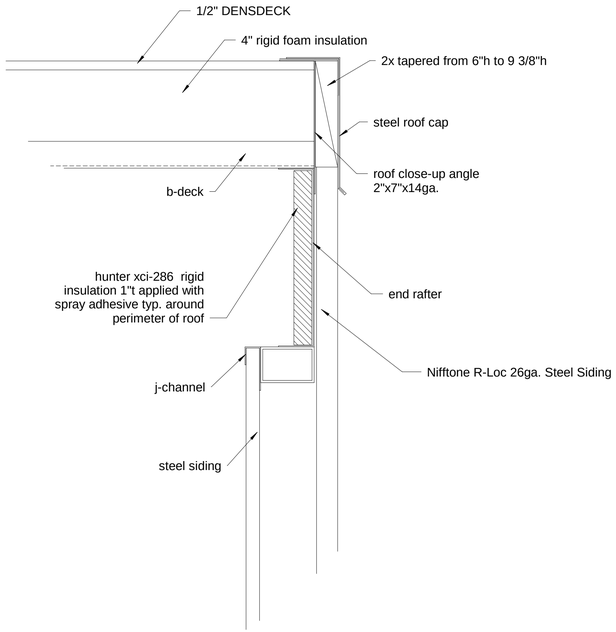
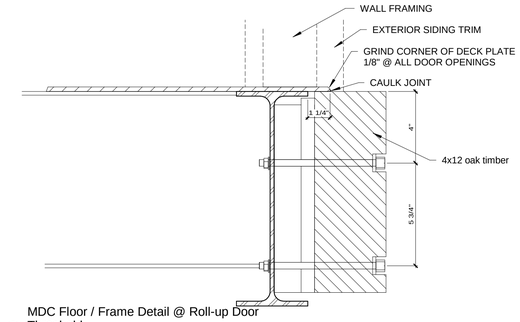
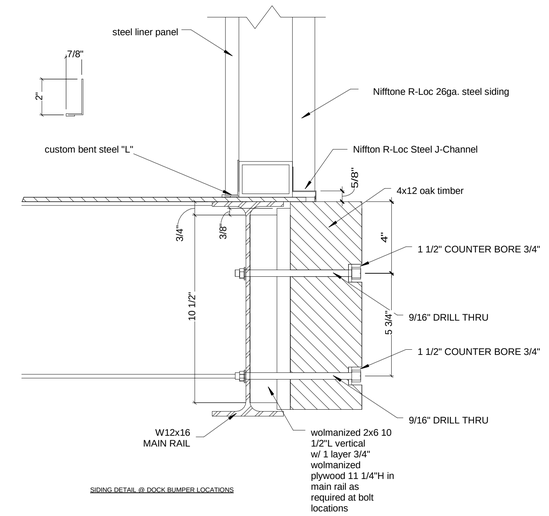


1 MDC Endwall Roof Edge Detail
3" = 1'-0"

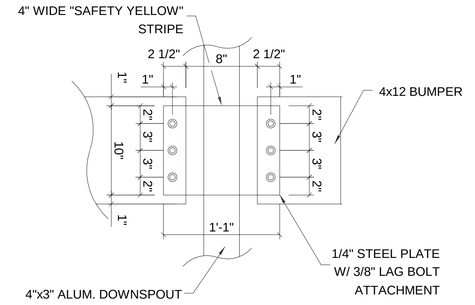


MDC Floor / Frame Detail @ Roll-up Door Threshold
2 3" = 1'-0"

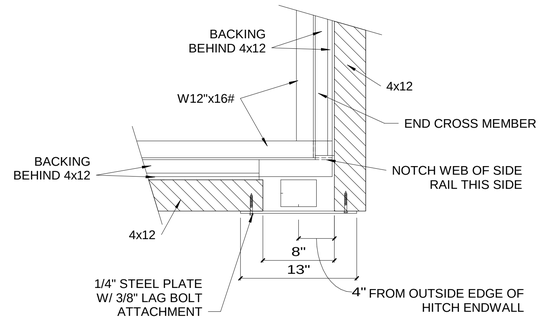


SIDING DETAIL @ DOCK BUMPER LOCATIONS

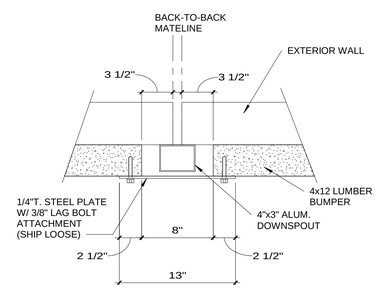
3 MDC Floor/ Frame Detail
3" = 1'-0"



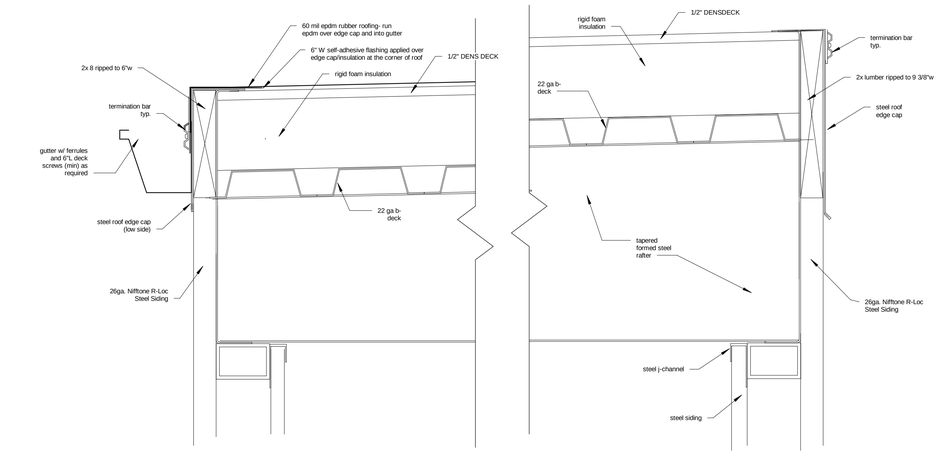
6 MDC Downspout Detail
3/8" = 1'-0"



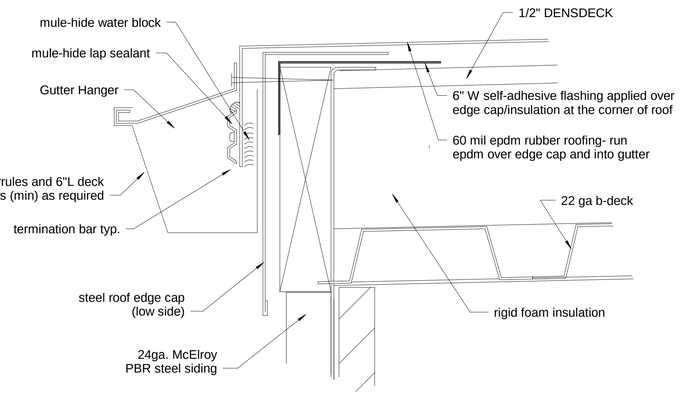
7 MDC 4x12 holdback at downspout
1 1/2" = 1'-0"



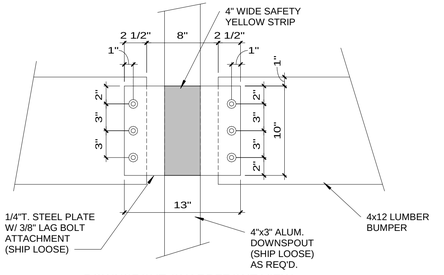
BACK-TO-BACK MATE LINE DOWNSPOUT GUARD



4 MDC Roof Detail
3" = 1'-0"



5 MDC Roof Edge Detail
6" = 1'-0"



DOWNSPOUT GUARDFRONT VIEW

8 MDC Downspout Detail at back to back matelines
1 1/2" = 1'-0"

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MDC CROSS SECTION DETAILS

Model#
VARIOUS MODULE SIZES

Serial No.	
Quote No.	
Model No.	
Job No.	
Date:	2-14-22
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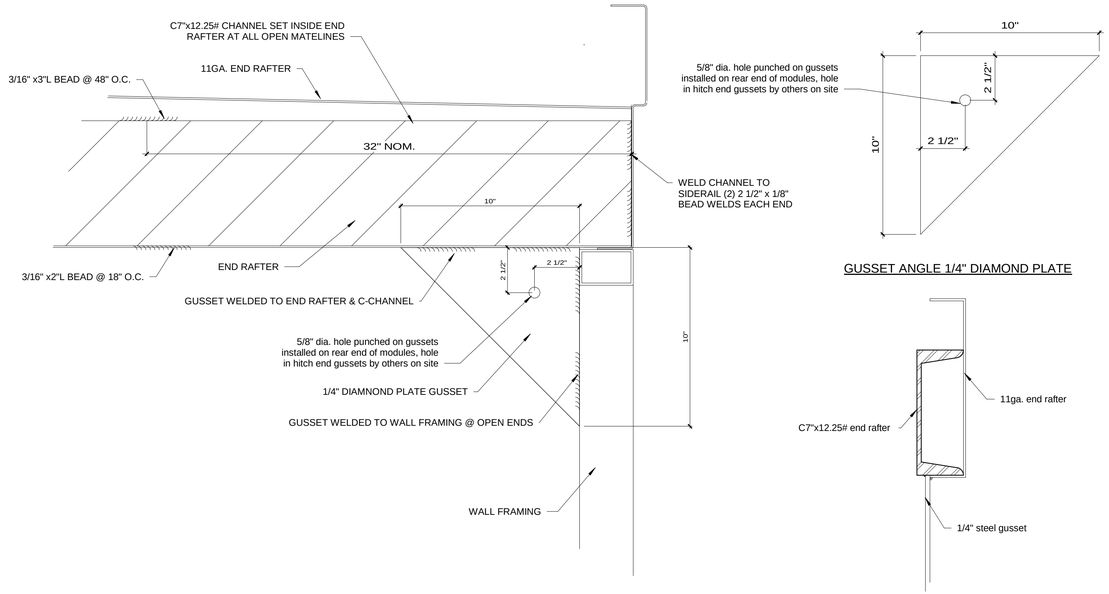
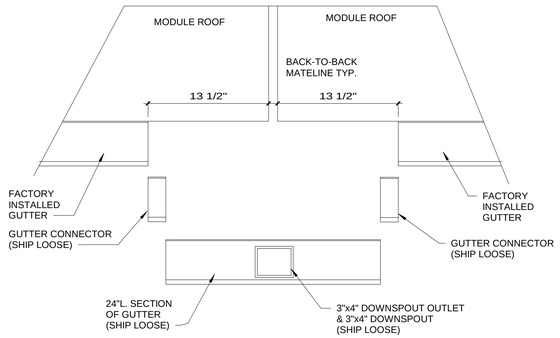


GUSSET ANGLE 1/4" DIAMOND PLATE

① GUSSET DETAIL
3" = 1'-0"



BACK-TO-BACK MATELINE GUTTER DETAIL

② GUTTER CLOSE-UP DETAIL
1 1/2" = 1'-0"

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MDC CROSS SECTION DETAILS

Model#

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Model No.	
Job No.	
Date:	2-14-22
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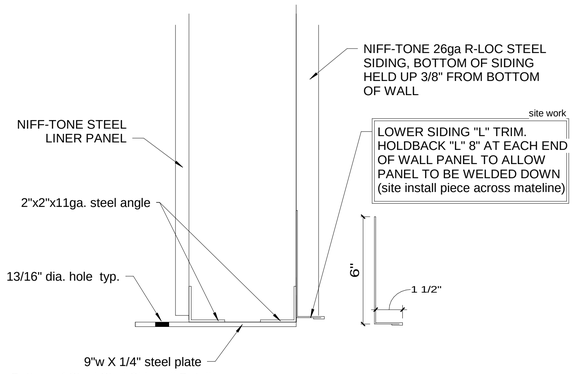
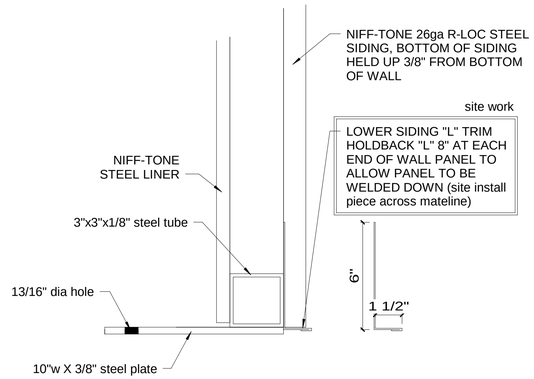
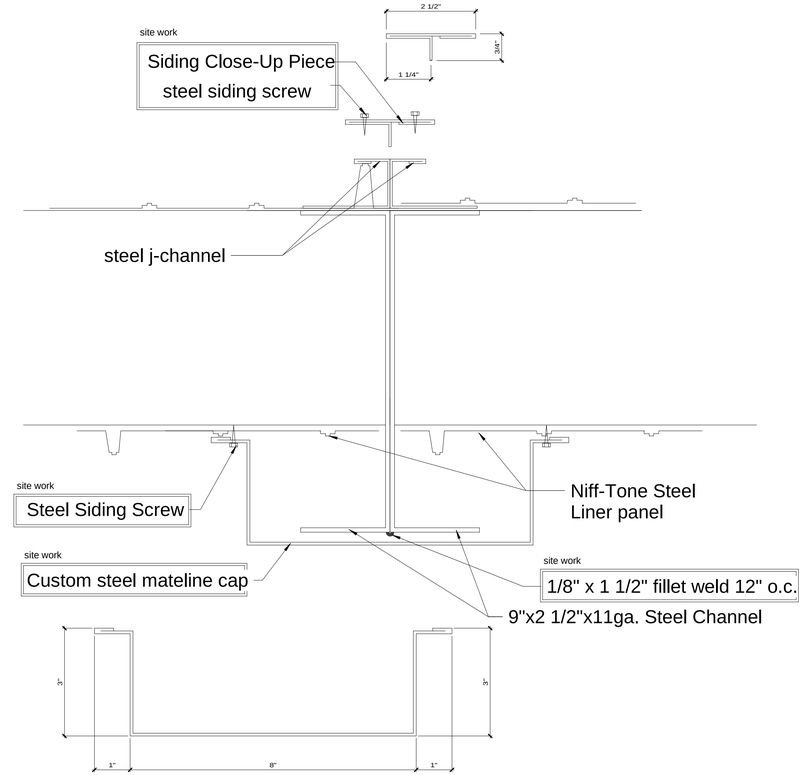


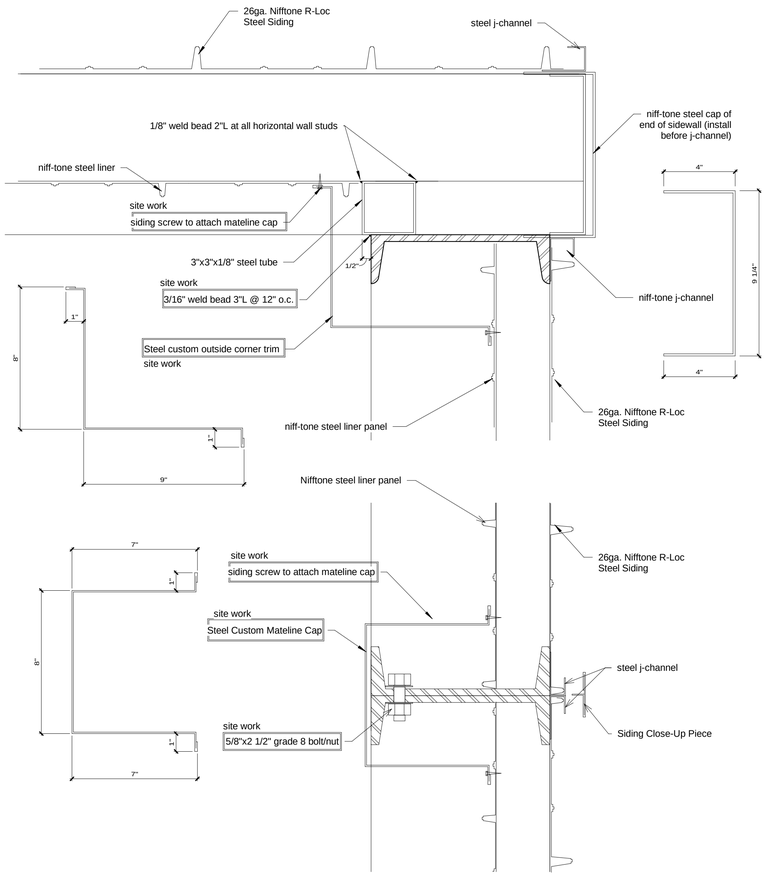
1 Bottom of Steel Stud Sidewall Detail
3" = 1'-0"



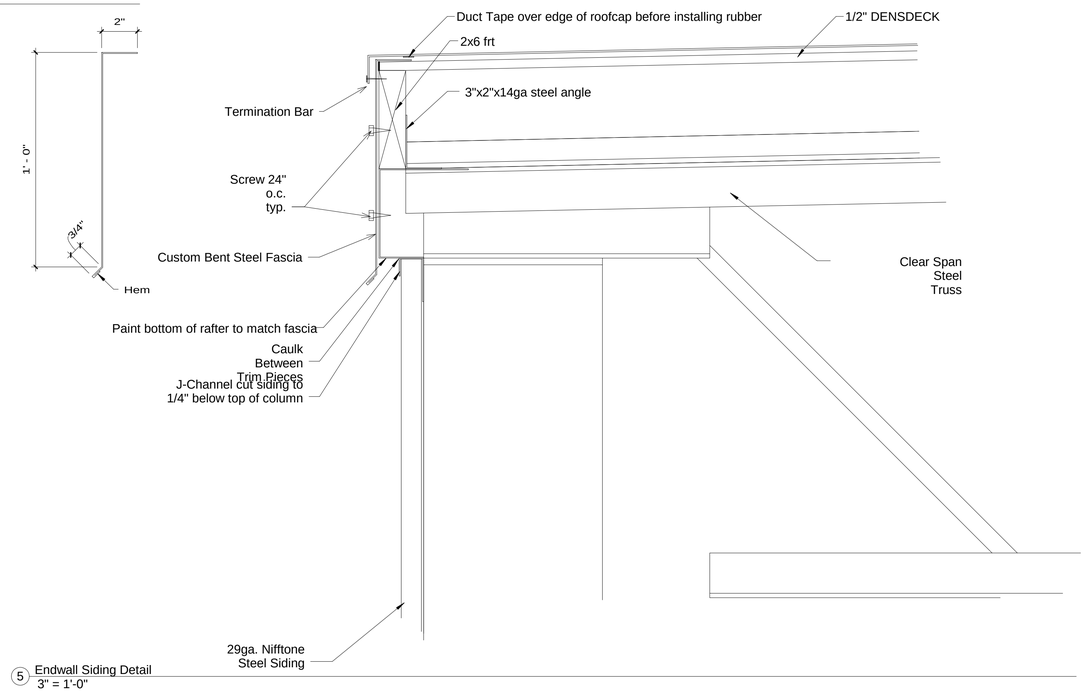
2 Bottom of Steel Tube Endwall Detail
3" = 1'-0"



6 Interior Liner Panel Blow-up
6" = 1'-0"



4 Endwall Connection Detail
3" = 1'-0"



5 Endwall Siding Detail
3" = 1'-0"

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FOLDING BUILDING SIDING DETAILS

Model#

VARIOUS MODULE SIZES

Serial No.	
Quote No.	
Model No.	
Job No.	
Date:	2-14-22
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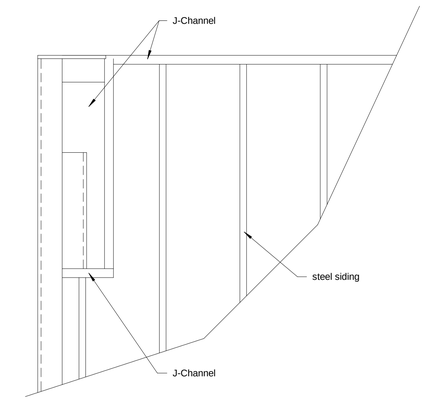
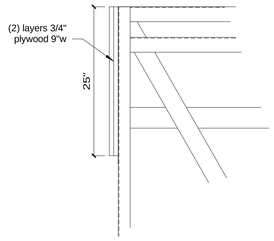
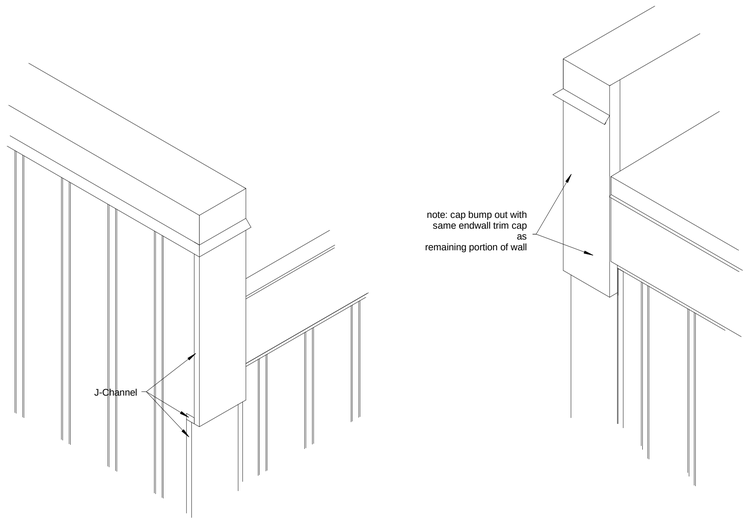
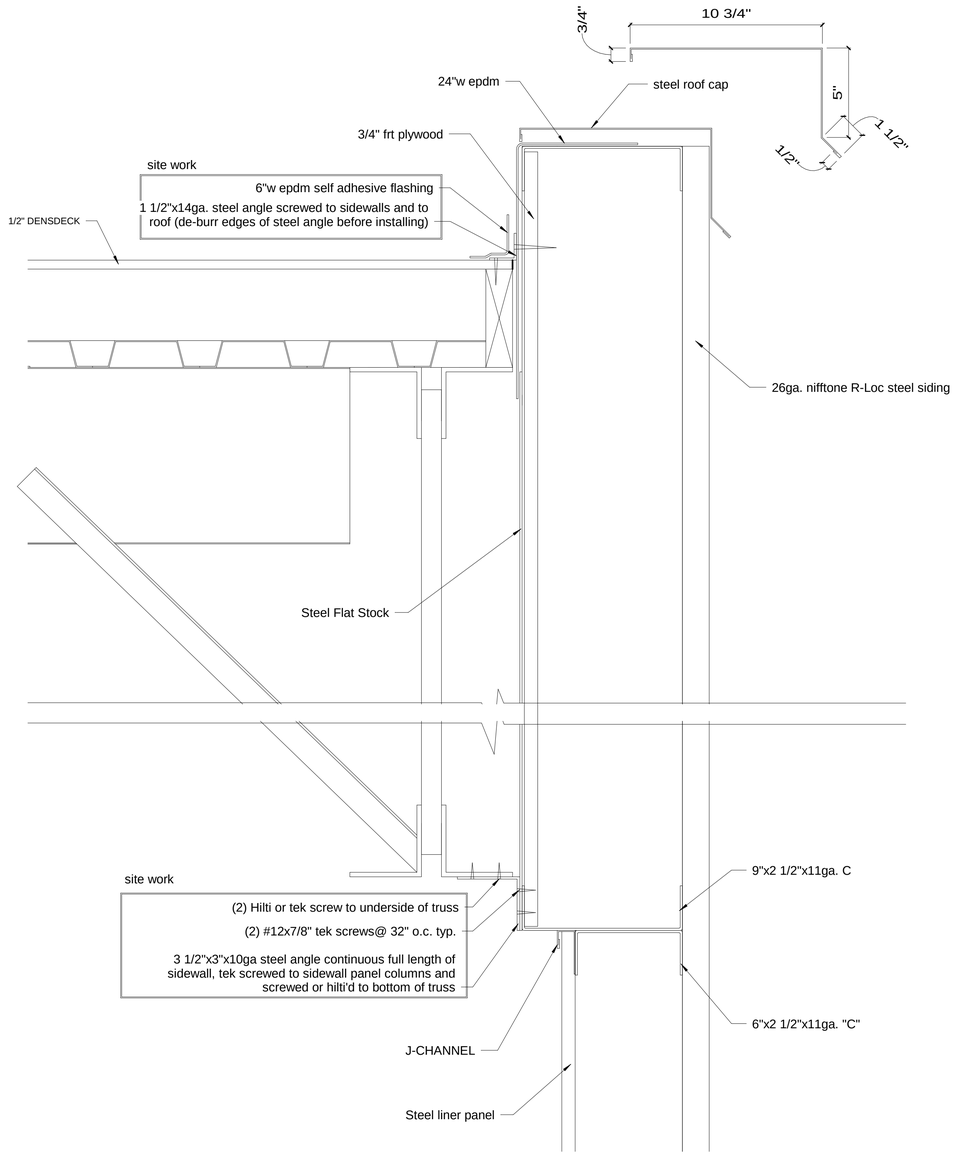


1 Top of endwall siding detail
1 1/2" = 1'-0"





2 Sidewall Bump Out Detail
1" = 1'-0"



3 Top of Sidewall Siding Detail
3" = 1'-0"

No.	Description	Date

No.	Description	Date

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FOLDING BUILDING SIDING DETAILS PAGE 2

Model#
VARIOUS MODULE SIZES

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