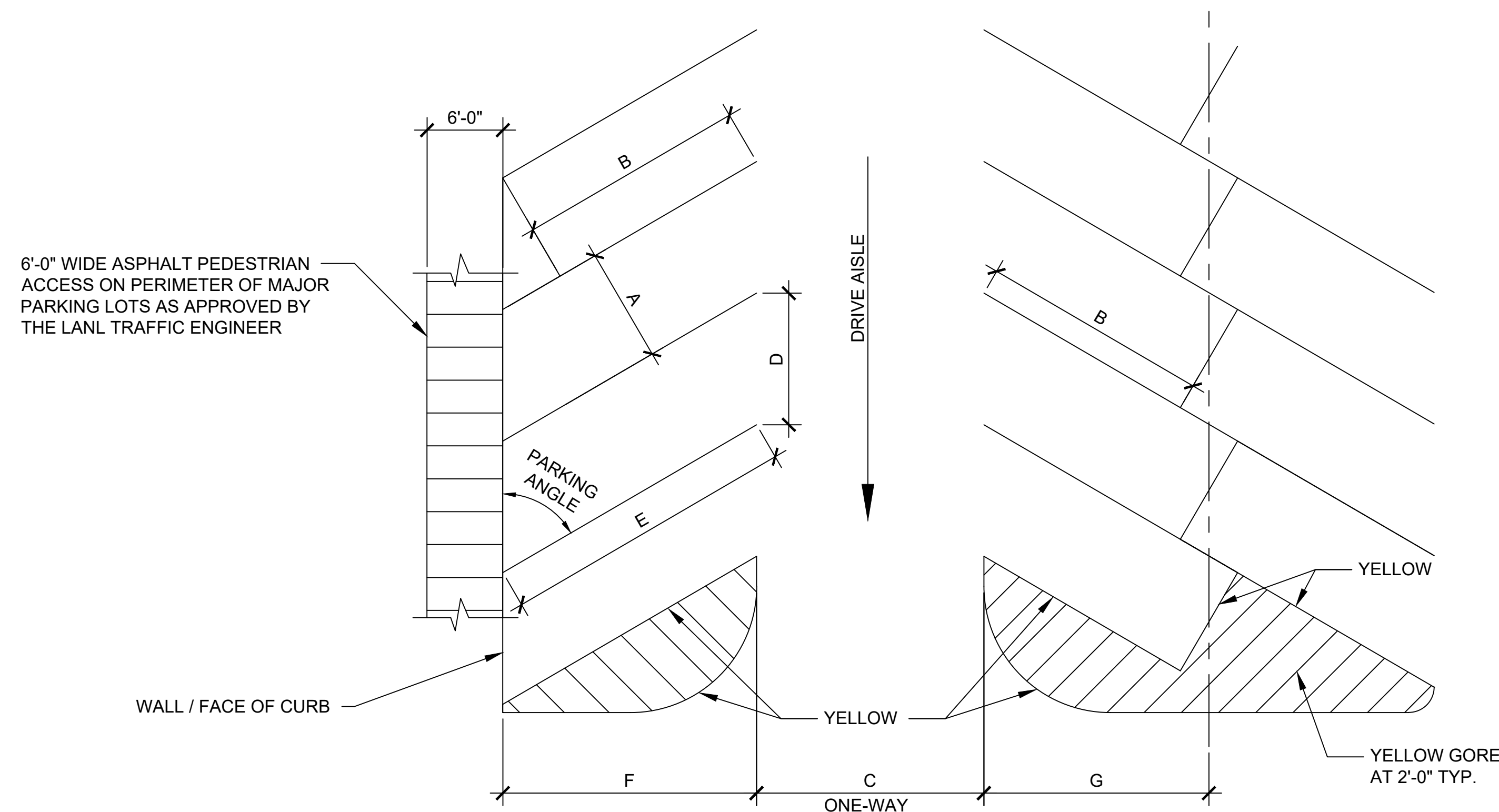


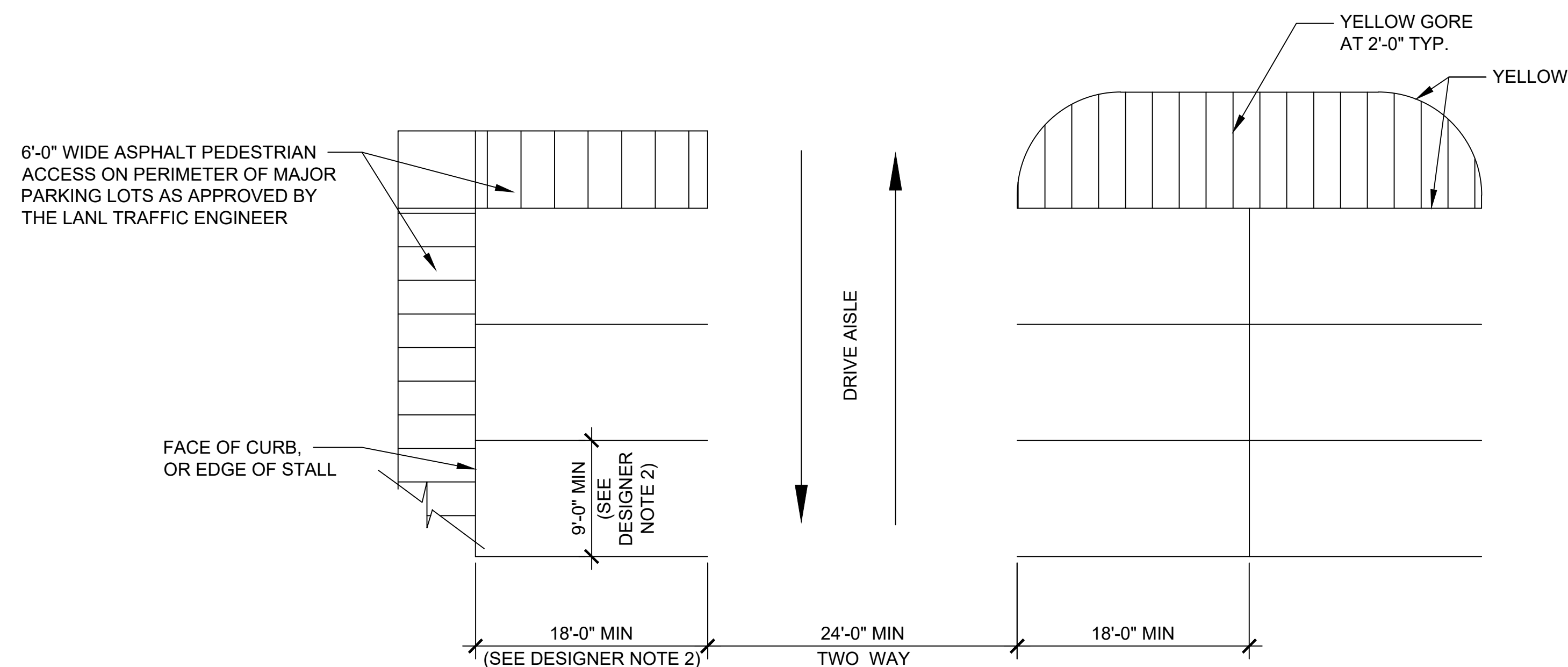
ANGLED PARKING REFERENCE CHART					
DIMENSION DESCRIPTION	REFERENCE	30°	45°	60°	75°
MINIMUM STALL WIDTH (SEE DESIGNER NOTE 2)	A	9'-0"	9'-0"	9'-0"	9'-0"
MINIMUM STALL LENGTH (SEE DESIGNER NOTE 2)	B	18'-0"	18'-0"	18'-0"	18'-0"
MINIMUM ONE-WAY DRIVE AISLE WIDTH	C	14'-0"	16'-0"	18'-0"	22'-0"
STALL LENGTH PARALLEL TO DRIVE AISLE	D	18'-0"	12'-9"	10'-5"	9'-4"
STALL LENGTH OF LINE	E	34'-7"	27'-0"	23'-3"	20'-5"
STALL DEPTH TO WALL / FACE OF CURB	F	17'-4"	19'-1"	20'-1"	19'-9"
STALL DEPTH TO INTERLOCK	G	12'-11"	15'-11"	17'-10"	18'-7"



ANGLED PARKING LAYOUT

4' 2' 0 4' 8' 12'

1/8"=1'-0"



90° PARKING LAYOUT

4' 2' 0 4' 8' 12'

1/8"=1'-0"

GENERAL NOTES:

1. IF THIS SHEET IS NOT 24"X36" USE GRAPHIC SCALE ACCORDINGLY.
2. STRIPING SHALL BE 4" WIDE SOLID WHITE UNLESS OTHERWISE NOTED.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS.
FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND
QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE
WHEN INSERTED INTO A DRAWING PACKAGE)

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC.
2. STALL DIMENSIONS SHALL BE A MINIMUM OF 9' x 18'. CONSIDERATION SHOULD BE MADE USING 10' x 20' MINIMUM STALLS OR LARGER IN AREAS THAT SERVE LARGER VEHICLES (I.E. GOV WORK TRUCKS) OR WHERE SPACE PERMITS. CONSULT WITH THE LANL TRAFFIC ENGINEER FOR GUIDANCE AND APPROVAL.
3. 90-DEGREE STALLS ARE PREFERRED FOR ELECTRIC VEHICLE CHARGING STATIONS LOCATED ON ONE-WAY AISLES. IF ANGLED STALLS ARE USED, THE DESIGNER SHALL CONSIDER CHARGING CABLE REACH LIMITATIONS RESULTING FROM VARYING VEHICLE CHARGING PORT LOCATIONS. THE LAYOUT SHALL NOT ENCOURAGE PARKING ORIENTATIONS THAT ARE DIFFICULT TO MANEUVER OR INCOMPATIBLE WITH CHARGER ACCESS.
4. PARKING BUMPERS, WHEEL STOPS AND SPEED BUMPS ARE DISCOURAGED WHERE POSSIBLE DUE TO SNOW REMOVAL.
5. INSTALL ALL PAVEMENT MARKINGS, SIGN, AND /OR OTHER TRAFFIC CONTROL DEVICES PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
6. FOR ADDITIONAL REQUIREMENTS REFER TO THE ESM CIVIL CHAPTER 3.

LBO-DESIGN PACKAGE REVIEWER			
N/A	5	REVISED MINIMUM PARKING SPACE WIDTH	07/15/26
APPROVED FOR RELEASE	4	ADMIN. CHANGES TO NEW FORMAT CAD STD REV#5. MINOR DESIGN CHANGES	08/04/16
T. ORUCH			
SUBMITTED	3	GENERAL REVISION	01/28/14
L. DAKIS			
VERIFIED	2	REVISED CROSS HATCH AS PERPENDICULAR PARKING LAYOUT	12/12/12
A. RIZVI			
DESIGNED	1	GENERAL REVISION, DWG NO WAS ST3504, ADDED SHEET 2	08/18/04
A. BACA			
DRAWN	0	INITIAL ISSUE	06/28/99
D. SAUER			
CLASSIFICATION	NO	REVISION DESCRIPTION	DATE
UNCLASSIFIED T. ORUCH			

ENGINEERING STANDARDS

CIVIL

PARKING LOTS

PARKING LAYOUT

TA-XX

BLDG XXXX



Los Alamos
NATIONAL LABORATORY

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Los Alamos, New Mexico 87545

SHEET **1**

1 OF

PROJECT ID

CHAPTER 3

DRAWING NO

ST-G2020-1.1REV
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