GRANT COUNTY AIRPORT TERMINAL RENOVATION

FOR



	DRAWING INDEX
GENERAL	_
G-000	COVER
G-001	GENERAL INFORMATION
CIVIL	
C-101	SITE GRADING AND DRAINAGE PLAN
C-102	SITE LAYOUT PLAN
C-103	SITE UTILITY PLAN
C-500	SITE DETAILS PROJECT NOTES
C-501	SITE DETAILS
STRUCTU	JRAI
S-100	STRUCTURAL NOTES
S-101	STRUCTURAL DIAGRAMS
S-200	FOUNDATION PLAN
S-300	FRAMING PLAN
S-400	FOUNDATION DETAILS
S-500	TYPICAL FRAMING DETAILS
S-501	ROOFING FRAMING DETAILS
ARCHITE	CTURAL
AS-100	SITE PLAN
AD-100	EXISTING / DEMO PLAN
A-101	NEWFLOOR PLAN
A-102	CEILING PLAN
A-103	ROOF PLAN
A-104	FINISH PLAN & FINISH SCHEDULE
A-200	EXTERIOR ELEVATIONS
A-300	BUILDING SECTIONS
A-301	WALL SECTIONS
A-400	INTERIOR ELEVATIONS
A-500	DOOR SCHEDULE & DETAILS
A-501	DETAILS
, , , , , , , , , , , , , , , , , , ,	
MECHAN	ICAL
MD-101	EXIST DEMO. HVAC PLAN
M-001	HVAC SCHEDULES, NOTES & LEGEND
M-101	HVAC NEW WORK PLAN
PLUMBIN	G
PD-101	EXIST. DEMO. PLUMBING PLAN
P-001	PLUMBING NOTES & LEGEND
P-101	NEW WORK PLUMBING PLAN
P-101 P-201	PLUMBING RISER DIAGRAMS
Γ - ∠U I	F LUIVIDIING NISEN DIAGNAIVIS
ELECTRIC	CAL
ED-101	ELECTRICAL LIGHTING AND POWER DEMOLITION FLOOR PLA
E-001	ELECTRICAL LEGEND, NOTES AND SCHEDULES
	FLECTRICAL RISER NOTES SCHEDULES & DETAILS
E-002 E-101	ELECTRICAL RISER, NOTES, SCHEDULES & DETAILS ELECTRICAL LIGHTING AND POWER NEW WORK FLOOR PLAN

GRANT COUNTY, 158 AIRPORT ROAD HURLEY, NEW MEXICO



CONSTRUCTION DOCUMENTS

ASA PROJECT NO. 19104L GRANT COUNTY IFB BID NO. B-20-02 AIP PROJECT NO. 3-35-0039-021-2019

JULY 05, 2019

NMDOT-AVIATION DIVISION GRANT NO.SVC-19-03

WEBER
CIVIL
CONSULTANT
ENGINEERING, P.C.

P.O. Box 5132 SILVER CITY, NM 88062 p 575.388.2082 STUBBS
ENGINEERING, INC.

277 E. AMADOR AVE., SUITE 200 LAS CRUCES, NM 88001 p 575.993.5223 RBM

STRUCTURAL CONSULTANT

ENGINEERING, INC.

1014 S. MAIN ST. SUITE # C LAS CRUCES, NM 88005 p 575.647.1554

MPE CONSULTANT



P.O. Box 146 Las Cruces, NM 88004 p 575.526.3111 www.asa-architects.com

| Oocuments\Grant_County_Air_Port_CentralModel_joseluis.rvt

ANNOTATION SYMBOLS TITLE -VIEW TITLE WITH VIEW NUMBER AND SCALE SCALE: 1/8" = 1'-0" 1" GRAPHICAL SCALE BAR ANNOTATION SYMBOL ALTERNATE VIEW TITLE WITH VIEW NUMBER, SHEET NUMBER AND SCALE SCALE: 1/8" = 1'-0" 2" GRAPHICAL SCALE BAR ANNOTATION SYMBOL USED FOR LARGE SCALE SITE PLANS EXTERIOR ELEVATION **ROOM NAME** VIEW NUMBER /SHEET NUMBER 101 ROOM NUMBER INTERIOR ELEVATION 1/ A101 VIEW NUMBER /SHEET NUMBER A——VIEW LETTER 101 DOOR NUMBER MULTI VIEW, SINGLE TITLE INTERIOR ELEVATION VIEW NUMBER -SHEET NUMBER — WALL TYPE ----VIEW NUMBER MULTI VIEW INTERIOR ELEVATION Text Note - Dot Leader WALL SECTION A101 _____SHEET NUMBER 10' - 0" **BUILDING SECTION** DIMENSIONS A101 **DETAIL CALL OUT** SPOT ELEVATION INDICATOR Name Elevation FLOOR OR REFERENCE ELEVATION INDICATOR NORTH ARROW

BID LOT DESCRIPTIONS

BID LOT No. 1 (Base Bid) - Work included in BID LOT No. 1 (Base Bid) shall include all work associated with the general site work improvements as shown in the drawings, including but not limited to, the following:

- Earthwork to redress grading and drainage
- Asphalt and concrete paving Parking lot striping and signage

in demolition drawings.

All work shown or required not specifically included in Bid Lots 2, 3, 4, 5,

BID LOT No. 2 - Work included in Bid Lot No. 2 shall include all work associated with the general upgrades to the HVAC and Electrical systems, including but not limited to, the

- Removal of existing HVAC system Electrical system components as shown
- Renovation and existing HVAC and Electrical systems as shown in
- Installation of new HVAC system components and equipment as shown in drawings, including gas service line extensions. Installation of new lighting system components including sensors, fixtures,
- Electrical work associated with the renovation of the HVAC system and the installation of new HVAC equipment. All work shown or required not specifically included in Bid Lots 1, 3, 4, 5 and

BID LOT No. 3 - Work included in Bid Lot No. 3 shall include all work associated with the general reroofing of the portions of the building as shown in the drawings, including but not limited to the following:

- Removal of the existing roofing system down to existing deck, to include
- Installation of new rigid roof insulation and a modified bitumen roofing system as specified and as shown in the contract drawings.
- Removal and relocation of existing gas and electrical service lines on the roof as required for reroofing work.
- Installation of flashings, accessories, gutter reinstallation and replacement, painting, and the reinstallation of communication wiring.
- All work shown or required not specifically included in Bid Lots 1, 2, 4, 5,

BID LOT No. 4 - Work included in Bid Lot No. 4 shall include all work associated with the general construction of new restrooms as shown in the drawings, including but not limited to

- Demolition and removal of existing plumbing fixtures, interior partitions, light fixtures and associated wiring, and hot water heater and associated piping.
- Installation of new plumbing fixtures including hot water heater and hot water distribution piping.
- New interior partitions and associated finish work.
- New floor and ceiling finishes. New toilet accessories including grab bars.
- Ventilation and lighting work specifically for the new restrooms.
- All work shown or required not specifically included in Bid Lots 1, 2, 3, 5,

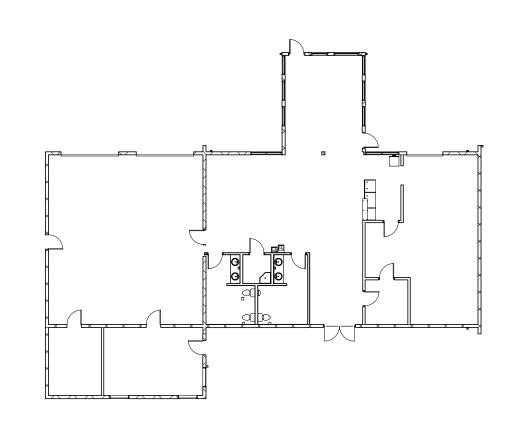
BID LOT No. 5 - Work included in Bid Lot No. 5 shall include all work associated with the general renovation of the building exterior finishes and the new construction of an entrance canopy, including but not limited to the following:

- Demolition and removal of existing finishes.
- Repair of damaged wall surfaces prior to application of new finishes. Demolition and removal of existing aluminum storefronts and door
- All work associated with installation of new exterior hollow metal door and window frame assemblies as shown in drawings.
- Bid Lot No. 5 includes Bid Alternate No. 1: All work associated with the installation of new exterior aluminum storefront door and window assemblies as shown in the drawings.
- All work associated with construction of new steel entrance canopy, including footing preparation, concrete work, steel erection, painting and electrical work (lighting and associated wiring).

All work shown or required not specifically included in Bid Lots 1, 2, 3, 4 and

BID LOT No. 6 - Work included in Bid Lot No. 6 shall include all work associated with the general renovation of the building interior consisting of finishes and replacement of doors, including but not limited to the following:

- Demolition and removal of existing finishes including surface preparation to receive new finishes.
- Installation of new floor, wall, and ceiling finishes.
- Demolition and removal of existing door including frame preparation to receive new doors.
- New doors and associated hardware as scheduled in the drawings. All work shown or required not specifically included in Bid Lots 1, 2, 3, 4 and



PROJECT DATA

PROJECT IDENTIFICATION

- GRANT COUNTY AIRPORT TERMINAL RENOVATION
- PROJECT ADDRESS 158 AIRPORT ROAD. **HURLEY, NM 88061**

DESIGN PROFESSIONALS

ASA ARCHITECTS 201 N. ALAMEDA LAS CRUCES, NM 88005 575.526.3111

WEBER ENGINEERING, P.C. P.O. BOX 5132 SILVER CITY NM 88062 575.388.2082

STUBBS ENGINEERING, INC. 277 E. AMADOR AVE. LAS CRUCES, NM 88001 575.993.5223

RBM ENGINEERING, INC. 1014 S. MAIN ST. SUITE # C LAS CRUCES, NM 88005 575.647.1554

PRIME DESIGN PROFESSIONAL

JOSE LUIS BEJARANO - INTERN ARCHITECT ASA ARCHITECTS 575.526.3111

APPLICABLE CODES

C.F.

D.F.

DN.

2015 International Existing Building Code 2015 New Mexico Existing Building Code 2009 New Mexico Building Code 2009 International Energy Conservation Code 2009 New Mexico Energy Conservation Code 2012 New Mexico Plumbing and Mechanical Code 2009 ANSI A117.1 Accessible and Usable Buildings and Facilities 2012 Uniform Mechanical Code (IAPMO) 2012 Uniform Plumbing Code (IAPMO)

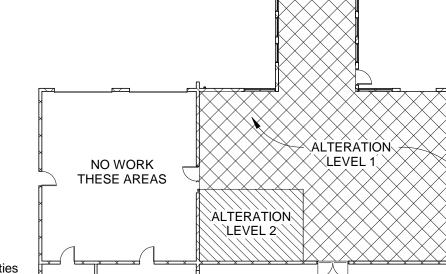
1998 ADA 2017 New Mexico Electrical Code 2017 National Electrical Code 2012 National Electrical Safety Code 2015 New Mexico Mechanical Code 2015 New Mexico Plumbing Code 2003 International Fire Code

F. DESIGN CRITERIA LIST: EXISTING BUILDING DATA

- Existing Construction Type: III B (Unchanged) Renovation - Alteration - Level 1 (2,016 s.f.) Alteration - Level 2 (324 s.f.)
- Existing building area: 4,180 s.f. Renovation: 2,340 s.f. (Total) Existing Occupancy Type: Group B (Unchanged)
- Existing Occupant load: 86 people (Unchanged) Allowable area: 19,000 / Existing (Unchanged) Exiting Requirements: 0.2 x 86 people = 18" required 108" Provided - (3) 36" doors.
- Plumbing Fixtures: Men: required/existing 1 / Provided: 2
- Women: required/existing 1 / Provided: 2 Men: required/existing 1 / Provided: 2
- Women: required/existing 1 / Provided: 2 Drinking Fountains: Required 1 / Provided 1 Service Sinks: 1 Service Sink (Total) Fire Sprinklers: None (Unchanged)
- Building Height: 1 Story (Unchanged) Land Use Zone: Existing (Unchanged) Location Of Property: 158 Airport Road, Hurley New Mexico 88061 (Unchanged)
- Seismic Location: Existing (Unchanged)

NO WORK

THESE AREAS



STANDARD ABBREVIATIONS

ALL TERMS AND ABBREVIATIONS USED WITH IN THESE CONSTRUCTION DOCUMENTS ARE SET FORTH BY THE UNIFORM DRAWING SYSTEM. REFERENCE U.S. NATIONAL CAD STANDARD VERSION 3.1, MODULE 5 FOR COMPLETE LISTING. www.nationalcadstandard.org



- MIN. MINIMUM MTL. METAL NIC. NOT IN CONTRACT NO. NUMBER N.T.S. NOT TO SCALE
- EIFS EXTERIOR INSULATION FINISH SYSTEM MISC. MISCELLANEOUS ELEC. ELECTRIC(AL) ELEV. ELEVATION EPDM ETHYLENE PROPYLENE DIENE MONOMER EPI EXTRUDED POLYSTYRENE INSULATIONO.C. ON CENTER EQUIP. EQUIPMENT OUTSIDE DIAMETER O.D. E.W.C. ELECTRIC WATER COOLER OVERFLOW O.H. OPPOSITE HAND EXIST. EXISTING OPNG. OPENING
- EXT. EXTERIOR F.D. FLOOR DRAIN PART. PARTITION F.E. FIRE EXTINGUISHER & BRACKET PLBG. PLUMBING PLYWD. PLYWOOD POLY. POLYETHYLENE

- PROJ. PROJECT, PROJECTED PROP. PROPERTY P.S.F. POUNDS PER SQUARE FOOT P.S.I. POUNDS PER SQUARE INCH P.V.C. POLYVINYL CHLORIDE PVMT. PAVEMENT QT. QUARRY TILE QTY. QUANTITY RAD. RADIUS R.D. ROOF DRAIN
- REF. REFRIGERATOR REINF. REINFORCING/REINFORCEMENT REQ'D. REQUIRED RM. ROOM
- S.C. SOLID CORE S.F. SQUARE FOOT/FEET SHT. SHEET SIM. SIMILAR SPKR. SPEAKER SQ. SQUARE
- S.S. STAINLESS STEEL STD. STANDARD STL. STEEL STO. STUCCO SUSP. SUSPENDED
- S.Y. SQUARE YARD TREAD T.B. TACK BOARD TEL. TELEPHONE
- T/G. TONGUE & GROOVE THK. THICK(NESS) T.O.B. TOP OF BEAM T.O.W. TOP OF WALL TYP. TYPICAL
- U.H. UNIT HEATER U.N.O UNLESS NOTED OTHER WISE VAR. VARIES VCT. VINYL COMPOSITION TILE VERT. VERTICAL
- W/ WITH WD. WOOD W.P. WATER PROOF(ING) WSCT. WAINSCOT W.W.F. WELDED WIRE FABRIC
- W.W.M. WELDED WIRE MESH

5

GENERAL INFORMATION

PROJECT NO:

DRAWN BY:

CHECKED BY:

G-001

ASA PROJECT NO.:Project Number

ASA

CONSTRUCTION

DOCUMENTS

07/03/19

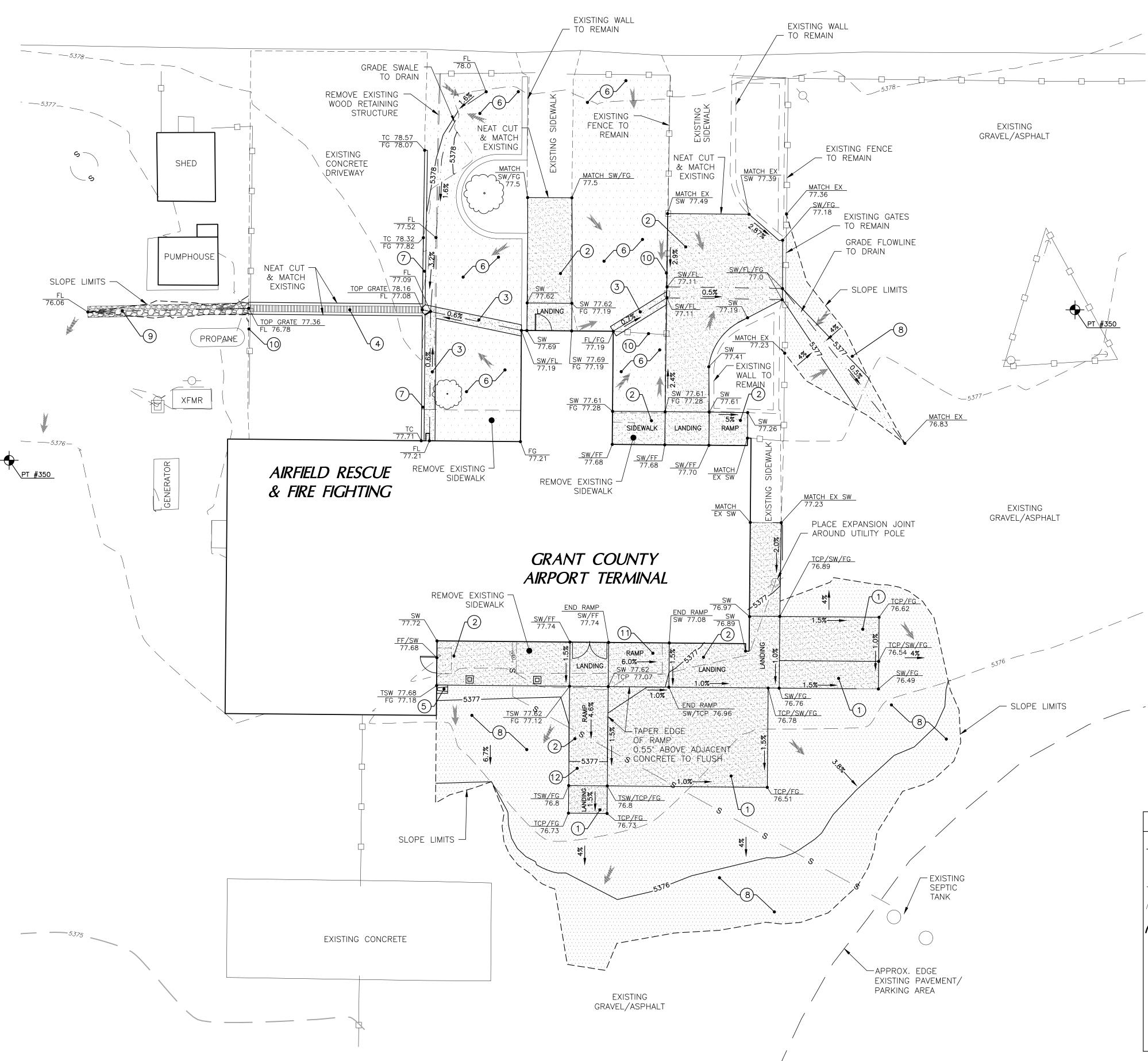
-02

0

 \Box

GRANT COUNTY, 158 AIRPORT ROAD HURLEY, NEW MEXICO

AIRPORT RUNWAY



SITE GRADING AND DRAINAGE PLAN

KEYED CONSTRUCTION NOTES $oxed{oldsymbol{ iny}}$

- BUILD CONCRETE PAVEMENT AT ADA PARKING. SEE DETAILS D2, D4/C-500
- 2 BUILD CONCRETE TURNDOWN SIDEWALK WITH LANDINGS AND RAMPS AS SHOWN, WIDTH SHOWN ON LAYOUT PLAN. SEE DETAILS B1, B2, C1/C-501
- BUILD 2' WIDE CONCRETE DRAINAGE CHANNEL TO DIRECT DOWNSPOUT RUNOFF. SEE DETAIL A3/C-501
- NEAT CUT EXISTING CONCRETE DRIVEWAY AND BUILD TRENCH DRAIN. SEE DETAIL A1/C-501
- INSTALL SPLASH BLOCK AT NEW DOWNSPOUT.
- REMOVE AND CLEAN EXISTING LANDSCAPE ROCK. REGRADE LANDSCAPE AREA TO DRAIN TO LOW POINT. PLACE 2" DEPTH LANDSCAPE ROCK OVER LANDSCAPE FABRIC. RE-USE EXISTING LANDSCAPE ROCK AND PROVIDE ADDITIONAL ROCK TO MATCH EXISTING IN ORDER TO REACH 2" DEPTH.
- BUILD 18" STRAIGHT CURB ADJACENT TO EXISTING CONCRETE DRIVEWAY. SEE DETAIL C4/C-500
- BUILD NEW GRAVEL SURFACING SECTION AT RESHAPED AREAS. SEE DETAIL C2/C-500
- BUILD 2' WIDE RIPRAP FLOWLINE AT TRENCH DRAIN OUTLET. SEE DETAIL A2/C-501
- 10 REMOVE FENCE PANELS AS NECESSARY FOR CONSTRUCTION. REPLACE PANELS WHEN CONSTRUCTION IS COMPLETE.
- 11 BUILD RAMP AND LANDING AT ADA PARKING. SEE DETAIL D2/C-501
- 12 BUILD RAMP AND LANDING TO PARKING LOT. SEE DETAIL D4/C-501

SURVEY	CONTROL	COORDIN	IATE TA	ABLE 💠
POINT #	NORTHING	EASTING	ELEV	DESCRIPTION
350	593318.0620	2623580.5040	5376.2040	CP-1
351	593353.9240	2624098.3040	5375.8130	FND NAIL-SUN MTN AMERICA INC 5418
352	593343.463	2623798.0450	5377.1520	CP-2 (WEST OF FUEL TANKS)
353	593180.8760	2624228.4430	5374.1470	CP-3 (SOUTH OF PRIVATE TERMINAL)

COORDINATE TABLE OR ELECTRONIC CAD FILES AVAILABLE FROM ENGINEER UPON REQUEST

<u>NOTE:</u>

REFER TO G-001 FOR BID LOT DESCRIPTIONS

EARTHWORK CALCULATIONS

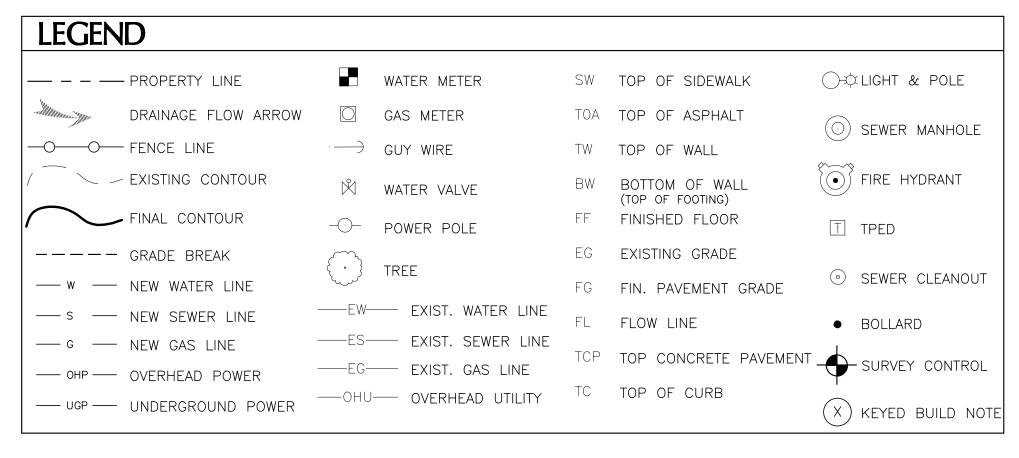
RAW VOLUMES (SOUTH SIDE)

1.5 C.Y. 60 C.Y. EMBANKMENT: RAW VOLUMES (NORTH SIDE)

12 C.Y. 5 C.Y. **EXCAVATION:** EMBANKMENT:

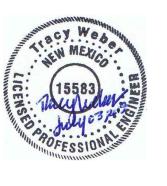
EXCAVATION:

1. EARTHWORK CALCULATIONS REPRESENT THE TOTAL VOLUMES FROM EXISTING SURFACE TO TOP OF FINISHED GRADE, INCLUDING CONCRETE REMOVAL AND NEW SURFACING QUANTITIES. ADDITIONAL EXCAVATION REQUIRED TO REACH SUBGRADE IN CUT CONDITIONS IS NOT INCLUDED.



WEBERENG@SIGNALPEAK.NET WEBER (575) 388-2082 SHEET NO: ENGINEERING P.O. BOX 5132 SILVER CITY, NM 88062 www.weber-eng.net

Ш



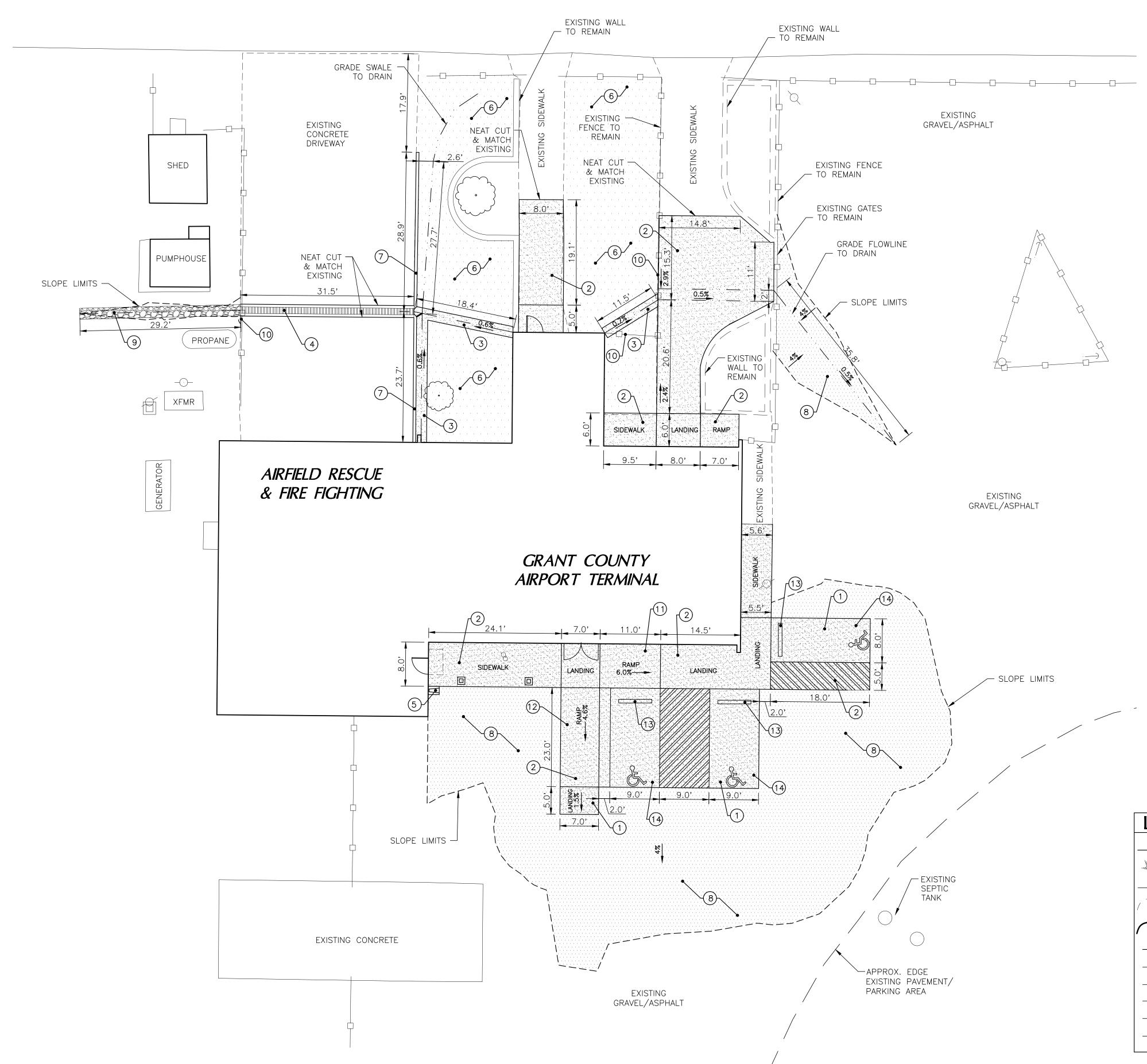
GRANT 158 AIRPC HURLEY, I

ASA PROJECT NO.: DRAWN BY: CHECKED BY: SHEET TITLE:

SITE GRADING AND DRAINAGE PLAN

C-101

AIRPORT RUNWAY



KEYED CONSTRUCTION NOTES (X

- BUILD CONCRETE PAVEMENT AT ADA PARKING. SEE DETAILS D2, D4/C-500
- 2 BUILD CONCRETE TURNDOWN SIDEWALK WITH LANDINGS AND RAMPS AS SHOWN, WIDTH SHOWN ON LAYOUT PLAN. SEE DETAILS B1, B2, C1/C-501
- 3 BUILD 2' WIDE CONCRETE DRAINAGE CHANNEL TO DIRECT DOWNSPOUT RUNOFF. SEE DETAIL A3/C-501
- 4 NEAT CUT EXISTING CONCRETE DRIVEWAY AND BUILD TRENCH DRAIN. SEE DETAIL A1/C-501
- 5 INSTALL SPLASH BLOCK AT NEW DOWNSPOUT.
- REMOVE AND CLEAN EXISTING LANDSCAPE ROCK. REGRADE LANDSCAPE AREA TO DRAIN TO LOW POINT. PLACE 2" DEPTH LANDSCAPE ROCK OVER LANDSCAPE FABRIC. RE-USE EXISTING LANDSCAPE ROCK AND PROVIDE ADDITIONAL ROCK TO MATCH EXISTING IN ORDER TO REACH 2" DEPTH.
- BUILD 18" STRAIGHT CURB ADJACENT TO EXISTING CONCRETE DRIVEWAY. SEE DETAIL C4/C-500
- BUILD NEW GRAVEL SURFACING SECTION AT RESHAPED AREAS. SEE DETAIL C2/C-500
- BUILD 2' WIDE RIPRAP FLOWLINE AT TRENCH DRAIN OUTLET. SEE DETAIL A2/C-501
- 10 REMOVE FENCE PANELS AS NECESSARY FOR CONSTRUCTION. REPLACE PANELS WHEN CONSTRUCTION IS
- 11 BUILD RAMP AND LANDING AT ADA PARKING. SEE DETAIL D2/C-501
- 12 BUILD RAMP AND LANDING TO PARKING LOT. SEE DETAIL D4/C-501
- 13 INSTALL PARKING BUMPER (TYP.) SEE DETAIL2 A3, B3/C-500
- 14 STRIPE AND SIGN ADA PARKING. SEE DETAILS A1, A2/C-500

NOTE:

REFER TO G-001 FOR BID LOT DESCRIPTIONS

Ш

I

RMINA

ASA PROJECT NO.: 19104L DRAWN BY: CHECKED BY:

SHEET TITLE: SITE LAYOUT PLAN

SHEET NO:

C-102

LEGEND WATER METER O-\$ LIGHT & POLE — – – PROPERTY LINE SW TOP OF SIDEWALK GAS METER DRAINAGE FLOW ARROW TOA TOP OF ASPHALT SEWER MANHOLE OOFENCE LINE TW TOP OF WALL GUY WIRE FIRE HYDRANT EXISTING CONTOUR BW BOTTOM OF WALL (TOP OF FOOTING) ₩ WATER VALVE FINAL CONTOUR FF FINISHED FLOOR -O- POWER POLE T TPED EG EXISTING GRADE ---- GRADE BREAK $\{\cdot\}$ TREE SEWER CLEANOUT FG FIN. PAVEMENT GRADE ----EW---- EXIST. WATER LINE $-\!\!-\!\!-$ s $-\!\!\!-\!\!-$ new sewer line FL FLOW LINE BOLLARD ——ES—— EXIST. SEWER LINE --- G --- NEW GAS LINE TCP TOP CONCRETE PAVEMENT - SURVEY CONTROL ---EG--- EXIST. GAS LINE ---OHU--- OVERHEAD UTILITY X KEYED BUILD NOTE

> WEBER ENGINEERING

WEBERENG@SIGNALPEAK.NET (575) 388-2082 P.O. BOX 5132 SILVER CITY, NM 88062 www.weber-eng.net

KEYED UTILITY CONSTRUCTION NOTES (S)

19104L

C-103

PROJECT AND GRADING NOTES

. REFER TO SITE UTILITY DRAWING (C-103) FOR ALL EXISTING UTILITY INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. THE ENGINEER MAKES NO REPRESENTATION AS TO THE VALIDITY OR ACCURACY OF THE INFORMATION PROVIDED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING LOCATIONS FROM UTILITY OWNERS AND MAKING SUCH FURTHER INVESTIGATIONS AS NECESSARY IN ORDER TO LOCATE SUCH PERMANENT AND TEMPORARY UTILITY APPURTENANCES PRIOR TO INITIATING EARTHWORK OPERATIONS. FOR 'LOCATES' OF UNDERGROUND UTILITIES, CONTRACTOR SHALL CONTACT THE "NEW MEXICO ONE CALL SYSTEM, INC.", 1-800-321-2537 (OR 811).

- 2. DISTURBANCE OF NATIVE VEGETATION SHALL BE KEPT TO A MINIMUM.
- 3. CONTRACTOR SHALL VERIFY ALL STAKING WITH OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 4. ROUGH GRADING: SHALL BE PERFORMED TO + OR 0.25'. TO AREAS DESIGNATED WITHIN LIMITS OF WORK ON THE PLAN. FINE GRADING SHALL BE PERFORMED TO + OR - 0.05' TO ALL AREAS.
- 5. EXISTING RUBBLE AND TRASH SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- 6. EXTRANEOUS MATERIALS AND LARGE DEBRIS SHALL BE REMOVED FROM CONSTRUCTION AREAS FOR 8" DEPTH.
- 7. ALL EARTHWORK IS TO BE DONE SO THAT POSITIVE DRAINAGE OCCURS AWAY FROM ALL STRUCTURES.

8. PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF GRANT COUNTY, AND ALL OTHER GOVERNING BODIES HAVING JURISDICTION.

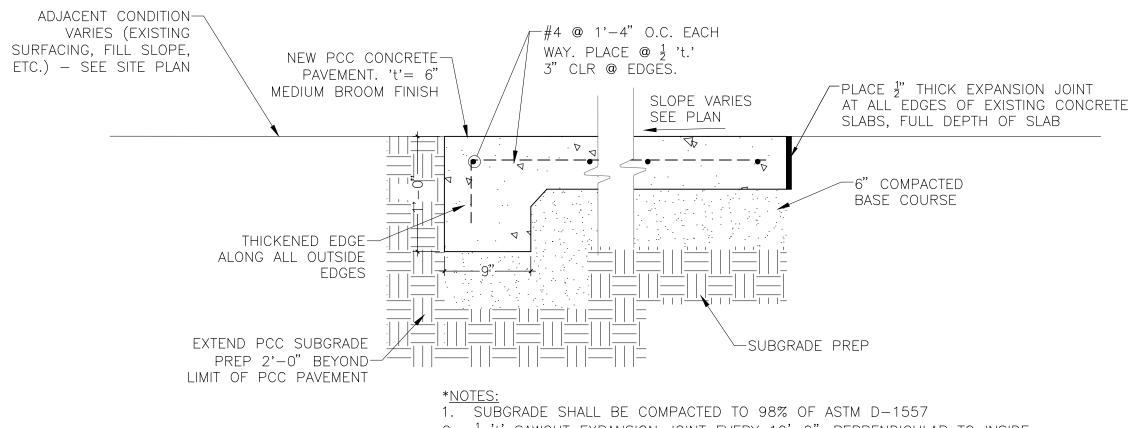
- 9. ALL SPOT ELEVATIONS DENOTE FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF OR OBTAINING EXCESS CUT OR FILL MATERIAL REQUIRED FOR FINAL GRADE.

11. REFER TO STRUCTURAL DRAWINGS FOR ANY AREAS OF OVER-EXCAVATION AND MATERIALS TO BE PLACED UNDER BUILDING SLABS AND FOOTINGS. SITE GENERATED SOILS MAY BE USED FOR COMMON FILL FOR SITE WORK CONCRETE, PAVEMENT, AND UTILITY TRENCHES PROVIDING THEY ARE PROCESSED AND COMPACTED TO MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT.

- 12. LOCATE EXISTING UTILITIES BY HAND EXCAVATION AND PROVIDE PROTECTION FROM DAMAGE. COOPERATE WITH OWNER AND UTILITY COMPANIES FOR MAINTAINING SERVICES. DO NOT BREAK UTILITY CONNECTIONS WITHOUT FIRST COORDINATING WITH THE UTILITY PROVIDER.
- 13. ALL EQUIPMENT & MATERIALS SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC., WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 505-827-4308 OR 505-470-3657. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT MATERIAL REMOVED ON THE PROJECT BY HAULING TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT.

- 15. RE-SEED ALL DISTURBED SLOPES ON THE SITE WITH NATIVE PLANT MIX IN AREAS NOT COVERED BY LANDSCAPE PLANS.
- 16. CONTACT ENGINEER FOR SITE LAYOUT COORDINATES.
- 17. SIDEWALK CROSS-SLOPE IS 1.5% UNLESS OTHERWISE NOTED, MAX. CROSS-SLOPE IS 2%.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH ALL ENTITIES HAVING JURISDICTION.
- 19. ALL EQUIPMENT & MATERIALS SPECIFIED IN THIS PLAN SET MAY ONLY BE SUBSTITUTED WITH APPROVAL FROM THE OWNER'S REPRESENTATIVE.

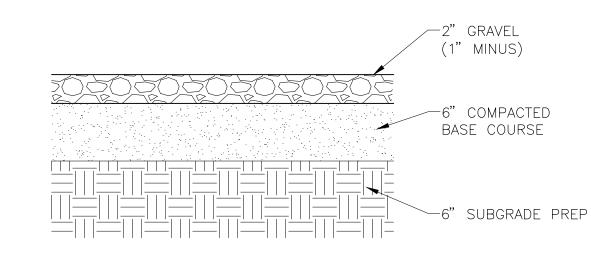


2. 1 't' SAWCUT EXPANSION JOINT EVERY 10'-0". PERPENDICULAR TO INSIDE EDGE OF NEW CONCRETE

3. FULL DEPTH CONSTRUCTION JOINT EVERY 20'-0", PERPENDICULAR TO INSIDE EDGE OF NEW CONCRETE

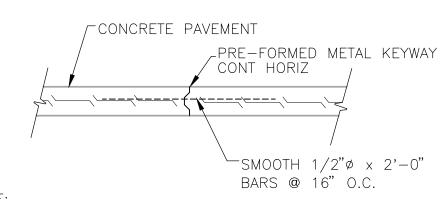
4. CONCRETE SHALL BE 3000 PSI, CLASS A





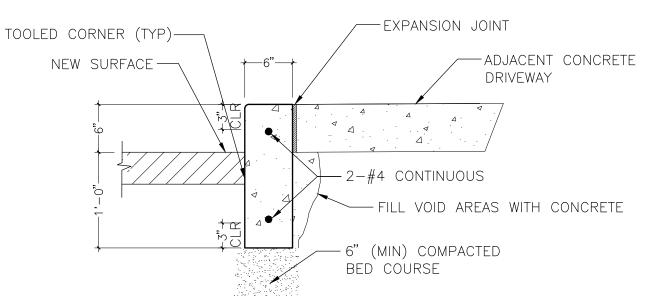
ALL FILL IN EXCESS OF 6" DEPTH REQUIRED TO BRING PARKING AREA TO SUBGRADE SHALL BE PLACED IN LIFTS OF 6" OR LESS (COMPACTED THICKNESS AND SHALL BE COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D-1557)

GRAVEL SURFACING SECTION SCALE: NTS

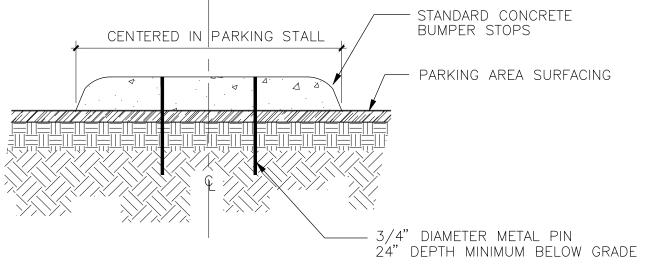


POUR CONCRETE IN STRIPS PARALLEL TO C.J.

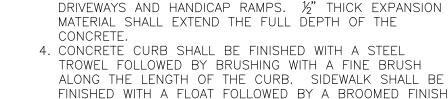
CONCRETE PAVEMENT CONST. JOINT



18" STRAIGHT CURB SCALE: NTS







1. ALL CONCRETE CURBS, TRANSITIONS AND SIDEWALKS

2. MAXIMUM SPACING OF SCORED CONTRACTION JOINTS

3. ONE HALF INCH THICK EXPANSION JOINTS SHALL BE

LOCATED AT TANGENT POINTS IN CURB RETURNS,

CURBS AND ADJACENT STRUCTURES, SIDEWALKS,

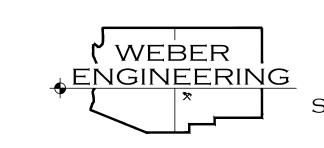
SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF

TRANSITIONS, AND AT A MAXIMUM OF 30-FEET INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN

CURB AND SIDEWALK NOTES:

SHALL BE 5'.

- TRANSVERSE TO THE LENGTH OF THE SIDEWALK, UNLESS OTHERWISE SPECIFIED. 5. SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF
- FORMS OR MAY BE SLIP FORMED. 6. BED COURSE MATERIAL SHALL BE PLACED UNDER CURBS AND SIDEWALKS TO DEPTH AS SPECIFIED. BED COURSE MATERIAL SHALL CONSIST OF CINDERS, SAND, GRAVEL, CRUSHED STONE, OR OTHER GRANULAR AGGREGATE WITH 100% PASSING THE 1/2" SIEVE AND NOT MORE THAN 12% PASSING THE NO. 200 SIEVE. BASE COURSE MAY BE SUBSTITUTED. COMPACT BED COURSE TO 95% MODIFIED PROCTOR.



INFO@WEBER-ENG.NET (575) 388-2082 P.O. BOX 5132 SILVER CITY, NM 88062 www.weber-eng.net



RMIN

04994

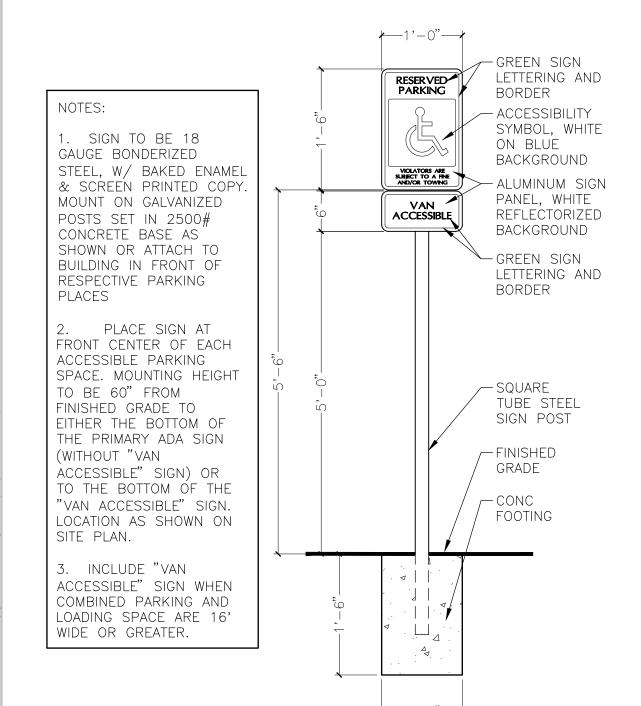
ASA PROJECT NO. 19104L DRAWN BY: PDW

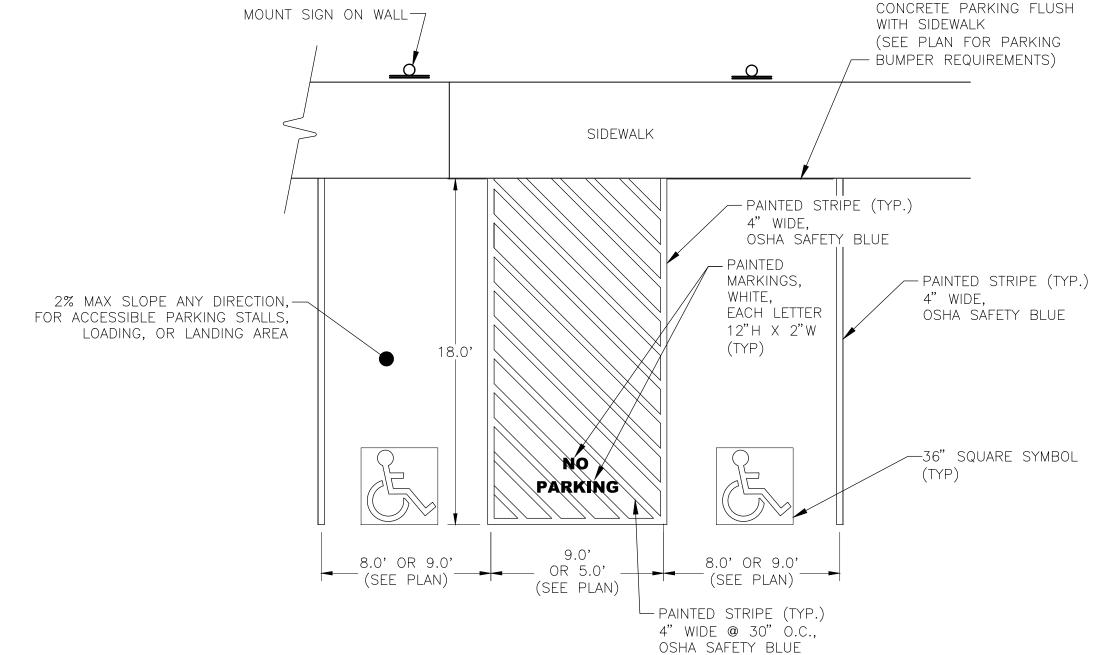
CHECKED BY: SHEET TITLE: SITE DETAILS

PROJECT NOTES

SHEET NO:

C-500





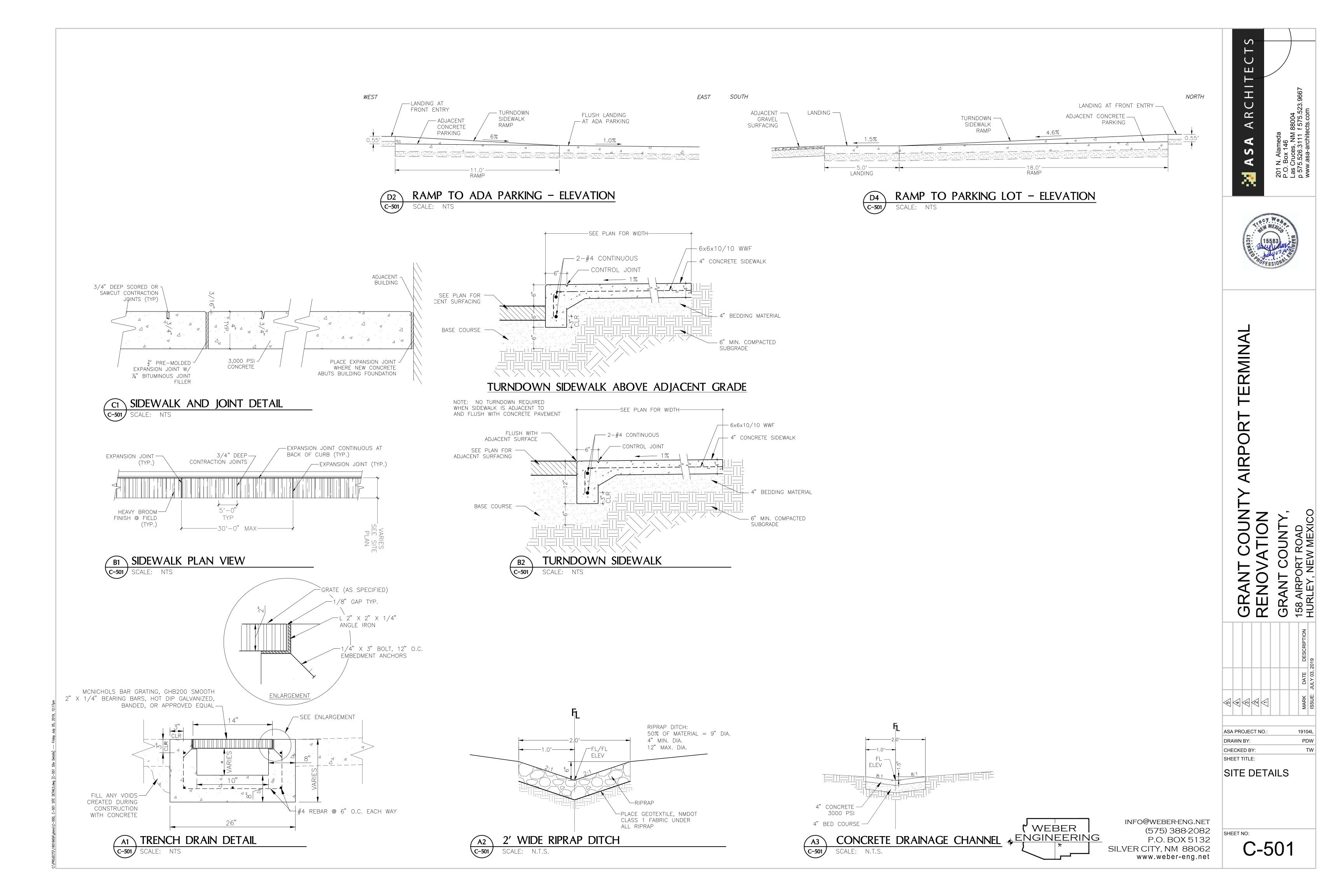
\C-500*/*

SCALE: N.T.S.

MAX. BUMPER PARKING BUMPER LENGTH = 6.0CENTERED IN PARKING SPACE PARKING BUMPER PLACEMENT \C-500/ SCALE: NTS

ACCESSIBLE SIGN DETAIL \C−500, SCALE: NTS

ACCESSIBLE PARKING DETAIL SCALE: NTS



2. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR II. CONCRETE IN CONTACT WITH SOIL SHALL BE TYPE II

IN ALL OTHER NON-ARCHITECTURALLY EXPOSED CONCRETE. UP TO A MAXIMUM OF 20% OF THE CEMENT CONTENT. THE MIX DESIGN

SHALL INDICATE THAT THE FLY ASH SHALL NOT ADVERSELY EFFECT THE PERFORMANCE OF OTHER PRODUCTS AND MATERIALS THAT

AND CONDUITS SHALL NOT BE INSTALLED BELOW FOOTINGS WITHOUT PRIOR WRITTEN APPROVAL FROM STUBBS ENGINEERING, INC. 3. THE STRUCTURE AS SHOWN IN THESE DRAWINGS IS STABLE UNDER THE FINAL CONDITION. THE STRUCTURE IS DESIGNED FOR THE IN-SERVICE LOADS ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE STRUCTURAL STABILITY DURING CONSTRUCTION. SEQUENCE OF CONSTRUCTION, SHORING, AND MEANS AND METHODS SHALL BE DETERMINED BY THE CONTRACTOR.

4. NOTCHING, CUTTING OR MODIFYING STRUCTURAL ELEMENTS IN THE FIELD IS PROHIBITED.

5. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER. 6. THE ATTACHMENT OF ROOF TOP EQUIPMENT TO THE STRUCTURE SHALL BE INSTALLED PER DESIGNS PROVIDED BY THE MANUFACTURE. THE MANUFACTURE SHALL CERTIFY THAT THE ATTACHMENTS HAVE BEEN DESIGN TO WITHSTAND LOADS BASED ON THE DESIGN CRITERIA

7. REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS

DESIGN CRITERIA

1. THE STRUCTURAL DESIGN WAS COMPLETED IN ACCORDANCE WITH THE FOLLOWING CODES: IBC 2015 ASCE 7-10

ACI 530-13/ASCE 5-11/TMS 402-13 AISC 360 - MANUAL OF STEEL CONSTRUCTION 14TH EDITION AISC 341-10 - SEISMIC DESIGN MANUAL ANSI/AF&PA NDS-2015 - NATIONAL DESIGN SPECIFICATION FOR WOOD

AWS D1.4 AMERICAN WELDING SOCIETY - STRUCTURAL WELDING CODE - REINFORCING STEEL 2011 EDITION

2. DEAD LOAD ARE CALCULATED IN ACCORDANCE WITH CHAPTER 3 OF THE ASCE 7-10.

OCCUPANCY OR USE	UNIFORM (psf.)	CONCENTRATED (lbs.)
ROOF	20	300
TYPICAL FLOOR	100	2,000
AWNINGS AND CANOPIES	20	N/A

II
105 MPH
0.85 MFRS 0.85 COMPONENTS
1.00
С
±0.18

5.	SNOW LOADS SHALL BE CALCULATED IN ACCORDANCE WITH CHAPTER 7 OF THE ASCE 7-	10 AS FOLLOWS:
	RISK CATEGORY	II
	GROUND SNOW (Pg)	20 PSF
	EXPOSURE FACTOR (Ce)	0.90
	THERMAL FACTOR (CI)	1.0
	IMPORTANCE FACTOR	1.00

6. SEISMIC LOADS SHALL BE CALCULATED IN ACCORDANCE WITH CHAPTER 11 AND 12 OF THE ASCE 7-10 AS FOLLOWS:

RISK CATEGORY	П
MAPPED MCE	Ss=0.257 S1=0.078
SPECTRAL RESPONSE COEFFICIENT	SDs=0.273 SD1=0.125
SITE CLASSIFICATION	D
IMPORTANCE FACTOR	1.00
SEISMIC DESIGN CATEGORY	В
ANALYSIS PROCEDURE	EQUIVALENT FORCE METHOD

SHOP DRAWINGS

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER PRIOR TO FABRICATION AS REQUIRED BY THE SPECIFICATIONS AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING SUBMITTALS:

STRUCTURAL FILL AND EARTHWORK STRUCTURAL STEEL REINFORCING STEEL CONCRETE MIX DESIGNS

MASONRY GROUT MIX DESIGN CONCRETE MASONRY UNIT PRODUCT DATA MASONRY TRUSS TYPE JOINT REINFORCING PRODUCT DATA

WELDING PROCEDURES AND WELDING CERTIFICATIONS

2. REVIEWS BY THE ARCHITECT/ENGINEER SHALL BE FOR GENERAL CONFORMANCE TO THE PLANS AND SPECIFICATIONS ONLY. MODIFICATIONS, COMMENTS AND INFORMATION PROVIDED BY THE ARCHITECT/ENGINEER ON THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.

3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING DIMENSIONS AT THE JOB SITE AND COORDINATING THEM WITH THE PLANS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER.

4. THE FABRICATION AND CONSTRUCTION PROCESS, MEANS AND METHODS OF CONSTRUCTION, AND COORDINATING ALL TRADES FOR PERFORMING THE WORK IN A SAFE AND SATISFACTORY METHOD SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

5. REPRODUCTION OF CONSTRUCTION DOCUMENTS AS PART OF THE SHOP DRAWINGS IS PROHIBITED. THE SHOP DRAWINGS SHALL BE INDEPENDENTLY PRODUCED DRAWINGS BASED ON THE CONSTRUCTION DOCUMENTS. USE OF ELECTRONIC FILES PRODUCED BY STUBBS ENGINEERING, INC. TO GENERATE SHOP DRAWINGS IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL FROM STUBBS ENGINEERING, INC. IF

COMPANY LOGOS, TITLE BLOCKS AND SEALS SHALL BE REMOVED FROM THE SUBMITTAL. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELAYS DUE TO REJECTION OF INADEQUATE OR INCORRECT SHOP DRAWINGS.

ELECTRONIC DRAWINGS PRODUCED BY THE STUBBS ENGINEERING, INC. ARE USED IN THE PRODUCTION OF THE SHOP DRAWINGS, ANY

7. SHOP DRAWINGS SUBMITTED WITHOUT PRIOR REVIEW BY THE GENERAL CONTRACTOR SHALL NOT BE REVIEWED BY THE ENGINEER.

8. REQUESTS FOR SUBSTITUTION SHALL BE CLEARLY SHOWN ON SHOP DRAWINGS. SUBSTITUTIONS SHALL NOT BE IMPLEMENTED UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.

1. THE SITE SHALL BE PREPARED TO PROVIDE A MINIMUM ALLOWABLE BEARING PRESSURE OF 1,500 PSF.

2. REMOVE ALL BRUSH, RUBBISH, AND VEGETATION MATERIAL FROM THE BUILDING PAD PRIOR TO EXCAVATION.

3. THE SITE SHALL BE OVEREXCAVATED TO ALLOW FOR A MINIMUM OF ONE FOOT OF STRUCTURAL SELECT FILL BELOW ALL FOOTINGS AND A MINIMUM OF ONE FOOT OF STRUCTURAL SELECT FILL BELOW ALL SLABS ON GRADE. OVEREXCAVATION SHALL EXTEND A MINIMUM OF THREE FEET BEYOND THE EXTENT OF THE BUILDING PAD.

4. NATIVE SOILS BELOW STRUCTURAL SELECT FILL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES. THE NATIVE SOILS SHALL BE COMPACTED TO A MINIMUM DRY DENSITY OF 95% PER THE MODIFIED PROCTOR (ASTM D1557) AT A MOISTURE CONTENT OF +/- 2% OPTIMUM. WEAK OR COMPRESSIBLE NATIVE SOILS IDENTIFIED DURING EARTHWORK SHALL BE REMOVED AND REPLACED WITH STRUCTURAL SELECT FILL PER THE REQUIREMENTS FOR STRUCTURAL FILL.

5. STRUCTURAL SELECT FILL SHALL BE FREE OF ROCKS, ROOTS, VEGETABLE MATTER, CLAY CLUMPS OR ROCKS GREATER THAN 3 INCHES IN ANY DIMENSION. STRUCTURAL SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS

NO EXPANSIVE MATERIAL MAXIMUM LIQUID LIMIT (ASTM D4318): 30 MAXIMUM PLASTIC LIMIT (ASTM D4318): 10 GRADATION (ASTM D422) PERCENT PASSING

1½−INCH 90-100% NO. 4 25-55% NO. 40 15-50%

15-45%

NO. 200

6. PLACE ALL STRUCTURAL SELECT FILL IN 8 INCH MAXIMUM LOOSE LIFTS. MOISTEN TO A MOISTURE CONTENT OF +/- 2% OPTIMUM

MOISTURE CONTENT AND COMPACT TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR (ASTM D1557) MAXIMUM DRY DENSITY. 7. ALL FARTHWORK SHALL BE INSPECTED BY A LICENSED GEOTECHNICAL ENGINEER TO ENSURE ALLOWABLE BEARING PRESSURE IS MET. THERE IS A LOW SETTLEMENT POTENTIAL AND THE ABSENCE OF EXPANSIVE MATERIAL. TESTING SHALL BE PERFORMED AT THE

FOLLOWING MINIMUM RATES. THE GEOTECHNICAL ENGINEER MAY DETERMINE MORE STRINGENT TESTING IF REQUIRED.: - ONE MOISTURE-DENSITY CURVE, IN ACCORDANCE WITH ASTM D1557, FOR EACH TYPE OF STRUCTURAL SELECT FILL OR EACH SOURCE OF STRUCTURAL FILL USED FOR THE PROJECT. - ONE FIELD DENSITY TEST, IN ACCORDANCE WITH ASTM D1556, D2167 OR D2922, PER EACH 2,500 SQUARE FEET OF COMPACTED NATIVE SUBGRADE PRIOR TO PLACING STRUCTURAL SELECT FILL OR FLOOR SLAB. PROVIDE A MINIMUM OF THREE TESTS.

- EACH HORIZONTAL LIFT OF STRUCTURAL SELECT FILL SHALL BE TESTED WITH ONE FIELD DENSITY TEST, IN ACCORDANCE WITH ASTM D1556, D2167 OR D2922, PER EACH 2,500 SQUARE FEET AND 100 FEET OF CONTINUOUS FOOTING WITH A MINIMUM OF 8. VAPOR BARRIERS SHALL BE PLACED DIRECTLY BELOW ALL SLABS ON GRADE BETWEEN THE SLAB AND THE SUBGRADE. THE VAPOR

BARRIER SHALL HAVE A MINIMUM THICKNESS OF 10 MILS AND SHALL MEET THE REQUIREMENTS OF ASTM1745 WITH A WATER VAPOR

PERMEANCE LESS THAN 0.030 PERMS. CONTRACTOR SHALL LAP AND SEAL ALL EDGES. PUNCTURES AND PENETRATIONS SHALL BE SEALED AND REPAIR PER THE MANUFACTURE'S RECOMMENDATIONS. 9. CONSTRUCTION JOINTS IN FOOTINGS AND STEM WALL CAN BE PLACED AT CONTRACTOR'S OPTION. FOOTINGS AND STEM WALL

CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL 10. SAW CUT CONTROL JOINTS AS INDICATED ON PLANS WITHIN 12 HOURS OF PLACING CONCRETE. METAL DECK

1-1/2" 22ga B DECK

1. METAL DECK SHALL BE DETAILED AND FABRICATED BY A MEMBER OF SDI AND IN ACCORDANCE WITH SDI SPECIFICATIONS. 1. ALL CONCRETE SHALL BE PROPORTIONED, CONSTRUCTED AND CONFORM TO THE SPECIFICATION OF ACI 301-16. CONCRETE DESIGN SHALL CONFORM TO ACI 318-14. 2. ALL METAL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPANS UNLESS APPROVED BY ENGINEER OR SPECIFICALLY SHOWN

3. FLY ASH SHALL NOT BE USED IN ARCHITECTURALLY EXPOSED CONCRETE, TILTWALLS OR SLABS ON GRADE. FLY ASH IS ALLOWED

WILL BE IN CONTA	CT WIT THE CON	CRETE.				
4. CONCRETE SHAL	L BE PROPORTIO	NED TO THE FOL	LOWING REQUIREM	IENTS:		
LOCATION	f'c AT 28 DAYS	MAX SIZE AGGREGATE	SLUMP	AIR CONTENT	CONCRETE TYPE	MAXIMUM WATER TO CEMENT RATIO
FOOTINGS	3,000 PSI	1 - INCH	3 - 5 INCH	0 - 5%	NORMAL WEIGHT	0.55
SLAB ON GRADE	4,000 PSI	3/4 - INCH	4 - 6 INCH	NONE	NORMAL WEIGHT	0.55

EXCLUDES SLABS ON GRADE

NO. 6 BAR AND LARGER

NO. 5 BAR AND SMALLER

SLABS AND JOISTS

BEAMS. COLUMNS, & WALLS

FROM BOTTOM SURFACE

FROM TROWLED SURFACE

FROM SCREED SURFACE

CONCRETE SHALL BE PROPORTIONED TO EXCEED 75% OF THE 28-DAY STRENGTH IN 7 DAYS.

CONCRETE CAST AGAINST EARTH OR WATER

CONCRETE CAST TO FORMS EXPOSED

TO EARTH, WATER OR WEATHER

CONCRETE CAST TO FORMS NOT EXPOSED

BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.

BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS.

OF THE SURFACE. ALL RECESSES SHALL BE POINTED WITH MORTAR.

16. ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 3/4" CHAMFER.

INCHES. THE MAXIMUM SIZE AGGREGATE SHALL BE 3/8 INCH.

REINFORCING SHALL BE CONTINUOUS THROUGH BOND BEAMS.

AND ELECTRICAL DRAWINGS ALONG WITH OTHER TRADES.

STRUCTURAL STEEL

A490 BOLTS" AND THE FOLLOWINGS:

MANUAL OF STEEL CONSTRUCTION.

AS SHOWN ON PLANS

ANCHOR BOLT

5. MASONRY REINFORCING SHALL BE AS FOLLOWS:

LOCATION

REINFORCING

TRUSS TYPE JOINT

INTO WET CONCRETE WILL NOT BE ALLOWED.

MASONRY

FROM THE ENGINEER.

TO EARTH, WATER OR WEATHER

CONCRETE REINFORCING ST	EEL AND EMBEDS	SHALL HAVE T	HE FOLLOWING PROPE	RTIES:
TYPE	DESIGNATION ON PLAN	ASTM	YIELD Strength	NOTES
REBAR	#	A615	60 KSI	NOT WELDABLE

	REBAR	#	A615		60 KSI		NOT W	ELDABLE		
	WELDED WIRE REINF.	WWF	A185		60 KSI		FLAT SHE	ETS ONLY		
	DEFORMED BAR ANCHORS	DBA	A496		60 KSI		WELD	DABLE		
	HEADED ANCHOR STUDS	HAS	A108, B		70 KSI					
6.	UNLESS OTHERWISE SHO	WN THE CLEAR D	ISTANCE FOR TH	IE FAC	CE OF CONCRETE	FORMS	TO THE RE	EINFORCING	STEEL	SI
	CONDITION		CLEAR				NOTES			

3 - INCH

1 1/2 - INCH

2 - INCH

1 1/2 - INCH

3/4 - INCH

8. ALL REBAR SHALL BE SPLICED IN ACCORDANCE WITH DETAIL 1 / S-101 AND STANDARD HOOK SHALL BE PROVIDED PER

9. ALL REBAR AND REINFORCING MESH SHALL BE CHAIRED TO PROVIDE REQUIRED COVER AND SUPPORT THE REINFORCING

ON SOIL. CHAIRS FOR SLABS ON METAL DECK SHALL BE SPECIFICALLY DESIGNED FOR USE ON METAL DECK.

ADEQUATELY TO PREVENT ACCIDENTAL DISPLACEMENT. CHAIRS FOR SLABS ON GRADE SHALL BE SPECIFICALLY DESIGNED FOR USE

10. SIZE AND LOCATION OF EQUIPMENT SUPPORTS AND EMBEDS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER AND SHALL

11. ALL CONCRETE SHALL BE CONSOLIDATED BY VIBRATORY MEANS. CONSOLIDATIONS SHALL BE OBSERVED BY INSPECTION AGENCY.

13. ALL CONTINUOUS REINFORCING IN FOOTINGS AND WALLS SHALL EITHER BE CONTINUOUS AROUND CORNERS OR HAVE BENT CORNER

14. FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP OFF TYPE. NO EXPOSED METAL SHALL BE ALLOWED WITHIN ONE INCH

15. ALL DOWELS, EMBEDS AND REINFORCING BARS SHALL BE SECURELY TIED PRIOR TO PLACING CONCRETE. INSTALLATION OF ITEMS

1. ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY

2. MASONRY UNITS SHALL MEET ASTM C-90 FOR HOLLOW LOAD BEARING TYPE MASONRY WITH A UNIT STRENGTH OF 1,900 PSI ON A NET

4. CELLS CONTAINING REBAR SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL IN ACCORDANCE WITH THE LOW LIFT

GROUT METHOD. USE OF METHODS OTHER THAN THE LOW LIFT GROUT METHOD SHALL ONLY BE USED WITH PRIOR WRITTEN APPROVAL

6. ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTION OR USE CORNER BARS. VERTICAL

7. CELLS TO BE GROUTED SOLID SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUSLY

9. ALL MASONRY WALL CONFIGURATIONS INCLUDING OPENING SHALL BE COORDINATED WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING

10. ALL MASONRY BELOW GRADE AND/OR IN CONTACT WITH SOIL SHALL HAVE CELLS. VOIDS AND CAVITIES GROUTED SOLID.

1. THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH "AISC SPECIFICATIONS FOR

3. ALL HIGH STRENGTH BOLTS, WASHERS AND NUTS SHALL MEET THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR

TENSION

SNUG TIGHT

SNUG TIGHT

ASTM F1852, TENSION CONTROL BOLTS CAN BE SUBSTITUTED FOR A325 BOLTS AT CONTRACTOR'S DIRECTION

4. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY CODE AWS D1.1, LATEST EDITION.

5. WELDING SHALL BE PERFORMED WITH E70XX LOW HYDROGEN ELECTRODES USING SHIELDED METAL ARC WELDING (SMAW) PROCESS.

6. ALL GROUT BELOW BASE PLATES SHALL BE NON-SHRINK, NON-METALIC WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5,000

7. ANCHOR BOLTS, ANCHOR BOLT HOLES AND PLATE WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF THE AISC

8. ALL WELDS NOT SPECIFIED SHALL BE A MINIMUM 1/4" FILLET WELDS OR MEET THE SPECIFICATIONS OF TABLE J2.4 OF THE AISC

10. ALL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE GALVANIZED PER ASTM A123 TO G-60 UNLESS NOTED OTHERWISE.

MANUAL OF STEEL CONSTRUCTION FOR MINIMUM SIZE FILLET WELDS, WHICHEVER IS GREATER.

9. ALL PERIMETER ANGLES AND POUR STOPS SHALL BE SPLICED PER DETAIL 11 / S-101.

YIELD STRENGTH

60 KSI

70 KSI

NOTES

PROVIDE W1.7 WIRE IN

TRUSS CONFIGURATION

ASTM YIELD STRENGTH

NOTES

THREADS INCLUDED IN PLANE

ASTM F1554 GR 36

A500 GR B

36 KSI

46 KSI.

3. GROUT SHALL BE 2,000 PSI MINIMUM COMPRESSIVE STRENGTH AND MEET ASTM C-476 AND HAVE A SLUMP BETWEEN 8 AND 11

STRUCTURES" AND ACI 530.1/ASCE 6/TMS 602 "SPECIFICATION FOR MASONRY STRUCTURES", LATEST EDITION.

ASTM

A615-09

A82-07

TRUSS TYPE JOINT REINFORCING SHALL HAVE PREFABRICATED CORNERS OR TEES AT WALL INTERSECTIONS.

8. LAP REBAR IN ACCORDANCE WITH DETAIL 1 / S-101 LAP JOINT REINFORCING A MINIMUM OF 6".

STRUCTURAL STEEL BUILDINGS" AND "STEEL CONSTRUCTION MANUAL" 14TH EDITION.

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

CHANNELS AND ANGLES

SQUARE & RECTANGULAR TUBE

DETAIL 2 / S-101. MESH REINFORCING SHALL BE SPLICED IN ACCORDNACE WITH DETAIL 5 / S-101.

12. CONCRETE DIMENSIONS SHOWN ON DRAWINGS ARE ACTUAL DIMENSIONS NOT NOMINAL DIMENSIONS.

17. CONCRETE SHALL NOT BE DROPPED VERTICALLY MORE THAN 5 FEET WITHOUT THE USE OF A TREMIE.

AREA (f'm = 1,500 PSI) MORTAR SHALL BE TYPE "M" OR "S" AND MEET ASTM C-270.

7. REINFORCING DETAILING AND PLACEMENT SHALL BE IN COMPLIANCE WITH ACI 315-08.

PRESERVATIVE IN ACCORDANCE WITH APWA U1 TO THE REQUIREMENTS OF UC2.

4. LUMBER EXPOSED TO WEATHER SHALL BE TREATED IN ACCORDANCE WITH APWA U1 TO THE REQUIREMENTS OF UC3B. 1. ROOF SHEATHING SHALL BE 19/32" APA RATED STRUCTURAL I, EXPOSURE I SHEATHING WITH 8d NAILS @ 6" O.C. AT PANEL EDGES

AND 12" O.C. IN THE FIELD OF THE PANEL. 2. WOOD SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO THE SUPPORTS. SHEATHING SHALL HAVE A

POST INSTALLED ANCHORS

DESIGNATION ON PLAN	MINIMUM Embedment	ULTIMATE NON-SEISMIC TENSILE LOAD	ULTIMATE NON-SEISMIC SHEAR LOAD
3/8"Ø CEA	2"	2,070 LBS	3,005 LBS
1/2"Ø CEA	3-1/4"	4,534 LBS	12,450 LBS
3/4"Ø CEA	4-3/4"	8,780 LBS	22,000 LBS

2. ALL ADHESIVE (EPOXY) ANCHORS INTO CONCRETE SHALL HAVE AN ICC-ES REPORT, AND MEET THE REQUIREMENTS OF ACI 318 APPENDIX D FOR CRACKED & UNCRACKED CONCRETE. PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ANCHORS SHALL BE INSTALLED PER THE ICC-ES REPORT AND MANUFACTURES RECOMMENDATIONS. THREAD RODS SHALL BE GALVANIZED AND MEET THE REQUIREMENTS OF ASTM 193, B7. ADHESIVE ANCHORS SHALL MEET THE FOLLOWING MINIMUM

QUALITY ASSURANCE

2. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO SCHEDULE AND COORDINATE THE PERFORMANCE OF INSPECTIONS AND TESTING IN

3. SPECIAL INSPECTION AND TESTING SHALL BE PERFORMED BY A QUALIFIED PERSON OR AGENCY THAT IS APPROVED BY THE BUILDING INSPECTIONS PROVIDED BY LOCAL BUILDING OFFICIALS SHALL NOT BE CONSIDERED A SUBSTITUTION FOR SPECIAL INSPECTIONS

THICKNESS IN. & FINISH	Ix IN	FY KSI	ATTACHMENTS	OR TESTING REQUIREMENTS.
				4. DUTIES AND RESPONSIBILITIES OF THE SPECIAL II
0.0295	0.192	33	NO. 12 TEK SCREWS @ 36/5 TO	A. THE SPECIAL INSPECTOR SHALL INSPECT THE
			SUPPORTS PERPENDICULAR TO RIBS,	THE WORK IS IN ACCORDANCE WITH THE A
			NO. 12 TEK SCREWS @ 12" O.C.	B. ALL DISCREPANCIES SHALL BE BROUGHT TO
PAINTED			TO SUPPORTS PARALLEL TO RIBS	CONTRACTOR SHALL IMPLEMENT A TIMELY I
			& NO. 10 TEK SCREWS @ 12" O.C.	NOT CORRECTED, THE ENGINEER, ARCHITEC

4. ALTERNATE FASTENERS TYPES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

3. METAL DECK AS DESIGNATED ON THE PLANS SHALL MEET THE FOLLOWING PROPERTIES:

5. PROVIDE A MINIMUM OF 1-1/2" BEARING FOR ALL STEEL DECK. 6. DECK SHALL BE SPLICED WITH A MINIMUM OF 2" LAP. SPLICES SHALL BE LOCATED AT SUPPORTS.

1. TIMBER CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE AMERICAN WOOD COUNCIL'S "NATIONAL

DESIGN STANDARD", 2005 EDITION AND SECTIONS 2304, 2305, AND 2306 OF THE 2009 IBC. 2. BEAMS, HEADERS, RAFTERS AND POSTS SHALL BE HEM-FIR NO. 2. MEMBERS SHALL BE SOLID SAWN, FINGER JOINTING WILL NOT

Fb	850 PSI
Fc (PARALLEL TO GRAIN)	1,300 PSI
Fc (PERPENDICULAR TO GRAIN)	4005 PSI
Fv	150 PSI
E	1,300,000 PSI

3. ALL SILL PLATES IN CONTACT WITH CONCRETE MASONRY, BUT NOT EXPOSED TO WEATHER, SHALL BE TREATED WITH A WATERBORNE

1. ALL CONCRETE EXPANSION ANCHORS TO BE USED SHALL HAVE AN ICC-ES REPORT AND MEET THE REQUIREMENTS OF ACI 318 APPENDIX D FOR CRACKED & UNCRACKED CONCRETE, ANCHORS SHALL BE APPROVED FOR SEISMIC LOADS AND CRACKED CONCRETE. PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ANCHORS SHALL BE INSTALLED PER THE ICC-ES REPORT AND MANUFACTURES RECOMMENDATIONS. CONCRETE ANCHORS SHALL BE GALVANIZED CARBON STEEL. CONCRETE EXPANSION ANCHORS

DESIGNATION ON PLAN	MINIMUM Embedment	ULTIMATE NON-SEISMIC TENSILE LOAD	ULTIMATE NON-SEISMIC SHEAR LOAD
3/8"Ø CEA	2"	2,070 LBS	3,005 LBS
1/2 "Ø CEA	3-1/4"	4,534 LBS	12,450 LBS
3/4"Ø CEA	4-3/4"	8,780 LBS	22,000 LBS

1. STRUCTURAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 17 OF THE 2015 IBC.

ACCORDANCE WITH THE SPECIFICATIONS, BUILDING CODE AND THE SPECIAL INSPECTION SCHEDULES.

THE WORK AS REQUIRED BY THE SPECIAL INSPECTION SCHEDULES TO ENSURE THAT IE APPROVED PLANS AND SPECIFICATIONS.

TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR. THE GENERAL LY PLAN TO CORRECT ANY DISCREPANCIES. IN THE EVENT THE DISCREPANCIES ARE ITECT AND BUILDING OFFICIAL SHALL BE NOTIFIED. C. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE GENERAL CONTRACTOR, ARCHITECT, ENGINEER AND THE

BUILDING OFFICIAL IN A TIMELY MANNER.			
REQUIRED SPECIAL INSPECTION	AND TI	ESTS OF	SOILS
VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC REFERENCE
VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X	1705.6
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	1705.6
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		X	1705.6
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X		1705.6
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	1705.6

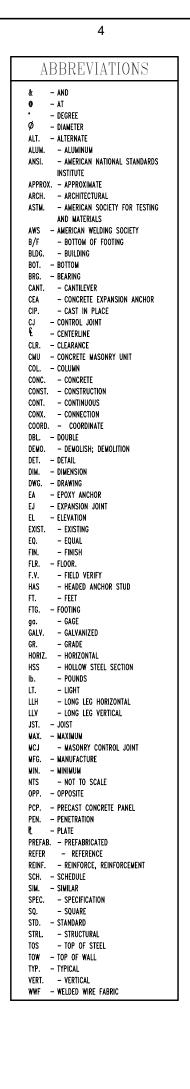
	REQUIRED SPECIAL				'S
	OF CONCRET	E CONS	STRUCTI	ON	
		FREQUENCY	OF INSPECTION	REFERENCE	FOR CRITERIA
	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCE Standard
	ECTION OF REINFORCING STEEL, INCLUDING STRESSING TENDONS AND PLACEMENT		X	1910.4	ACI 318:CH. 20, 25.2,25.3, 26.6.1-26.6.3
2. REIN	FORCING BAR WELDING:				
	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X		AWS D1.4 ACI 318: CH.
	b.INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		X		26.6.4
	c. INSPECT ALL OTHER WELDS	Х			
3. INS	PECT ANCHORS CAST IN CONCRETE		X		ACI 318: 17.8.2
	ECTION OF ANCHORS POST-INSTALLED IN HARDENED CRETE MEMBERS				ACI 318: CH.
	 a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads 	X			17.8.2.4 ACI 318: CH
	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		X		17.8.2
5. VERI	FY USE OF REQUIRED DESIGN MIX		X	1904.1, 1904.2, 1908.2, 1908.3	ACI318: CH.19, 26.4.3, 26.4.4
FOR Test	OR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT S, AND DETERMINE THE TEMPERATURE OF THE SRETE.	X		1908.10	ASTM C172 ASTMC31 ACI318: CH. 26.4, 26.12
	ECTION OF CONCRETE AND SHOTCRETE PLACEMENT PROPER APPLICATION TECHNIQUES	X		1908.6, 1908.7, 1908.8	ACI 318: 26.5
	FY MAINTENANCE OF SPECIFIED CURING TEMPERATURE TECHNIQUES		X	1908.9	ACI 318: CH. 26.5.3-26.5.5
9. INSP	ECT PRESTRESSED CONCRETE FOR:				
	a. APPLICATION OF PRESTRESSING FORCES	Х			ACI 318: CH. 26.10
	b. Grouting of Bonded Prestressing Tendons	Х			20110
10. IN	SPECT ERECTION OF PRECAST CONCRETE MEMBERS		X		ACI 318:CH. 26.8
TO STR AND PI	RIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR ESSING OF TENDONS IN POST-TENSIONED CONCRETE RIOR TO REMOVAL OF SHORING AND FORMS FROM AND STRUCTURAL SLABS.		X		ACI 318: CH. 26.11.2
	SPECT FORMWORK FOR SHAPE, LOCATION AND IONS OF THE CONCRETE MEMBER DEING FORMED		X		ACI 318: CH. 26.11.1.2(b)
FOR SI	: 1 INCH = 25.4mm				

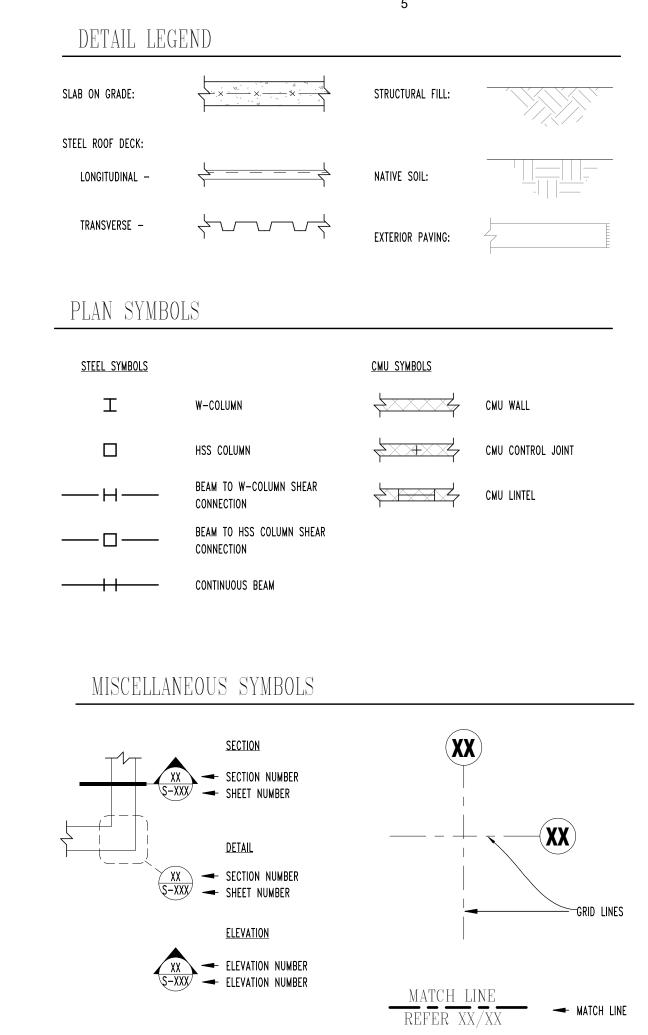
a. WHERE APPLICABLE, SEE ALSO SECTION 1705.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 355.2 OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE

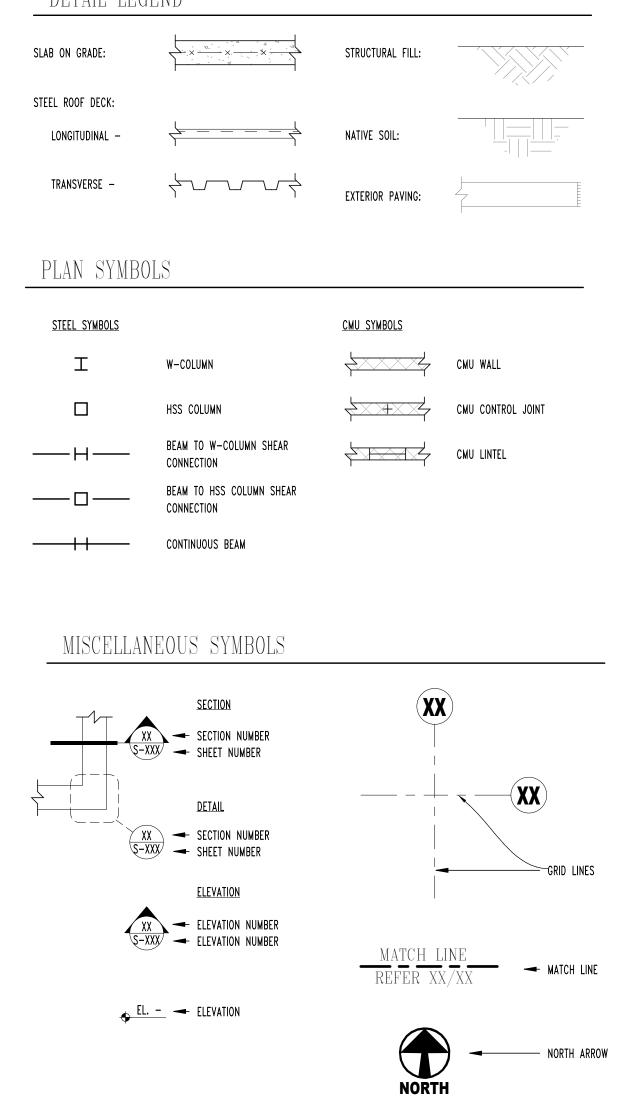
	SPECIAL VERIFICATI	ON AN	D INSPE	CCTION ()F
ST	EEL CONSTRUCTION OTH	HER TH	IAN STR	UCTURA	L STEEL
		FREQUENCY	OF INSPECTION	REFERENCE	FOR CRITERIA
	VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	IBC SECTION	REFERENCE Standard
1. MAT	TERIAL VERIFICATION OF COLD-FORMED STEEL DECK:				
	a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	1705.2.2	APPLICABLE ASTM Material Standards
	b. MANUFACTURE'S CERTIFIED TEST REPORTS.		X	1705.2.2	
2. INS	PECTION OF WELDING:				
	a. COLD-FORMED STEEL DECK:				
	1)FLOOR AND ROOF DECK WELDS		X	1705.2.2	AWS D1.3
	b. REINFORCING STEEL:			1705.2.2	
	1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAT ASTM A 706.		X	1705.2.2	
	2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT	X		1705.2.2	AWS D1.4 ACI 318 SECTION 3.5.2
	3) SHEAR REINFORCEMENT	Х		1705.2.2	
	4) OTHER REINFORCING STEEL		Х	1705.2.2	

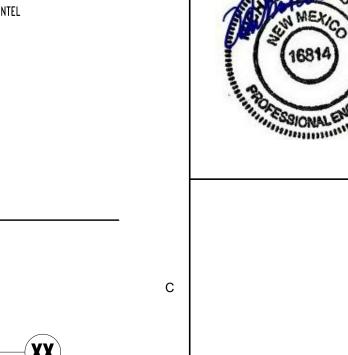
FOR SI: 1 INCH = 25.4 mm a. WHERE APPLICABLE, SEE ALSO SECTION 1705.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

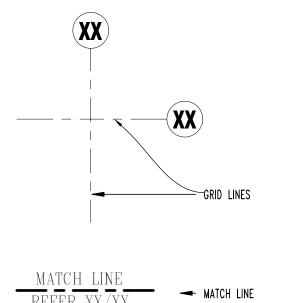
REQUIRED VERIFICATION A	AND INSPECTION
OF MASONRY - I	LEVEL A
PRIOR TO CONSTRUCTION, VERIFY CERTIFICATES OF COMPLIANCE	CE USED IN MASONRY CONSTRUCTION











A01-074 ASA PROJECT NO .: PROJECT NO: 19104L SEI STAFF DRAWN BY:

STRUCTURAL

277 E. AMADOR AVE. SUITE 200 LAS CRUCES, NM 88001 PH: (575) 993-5228 SEI PROJECT NO.:A01-074

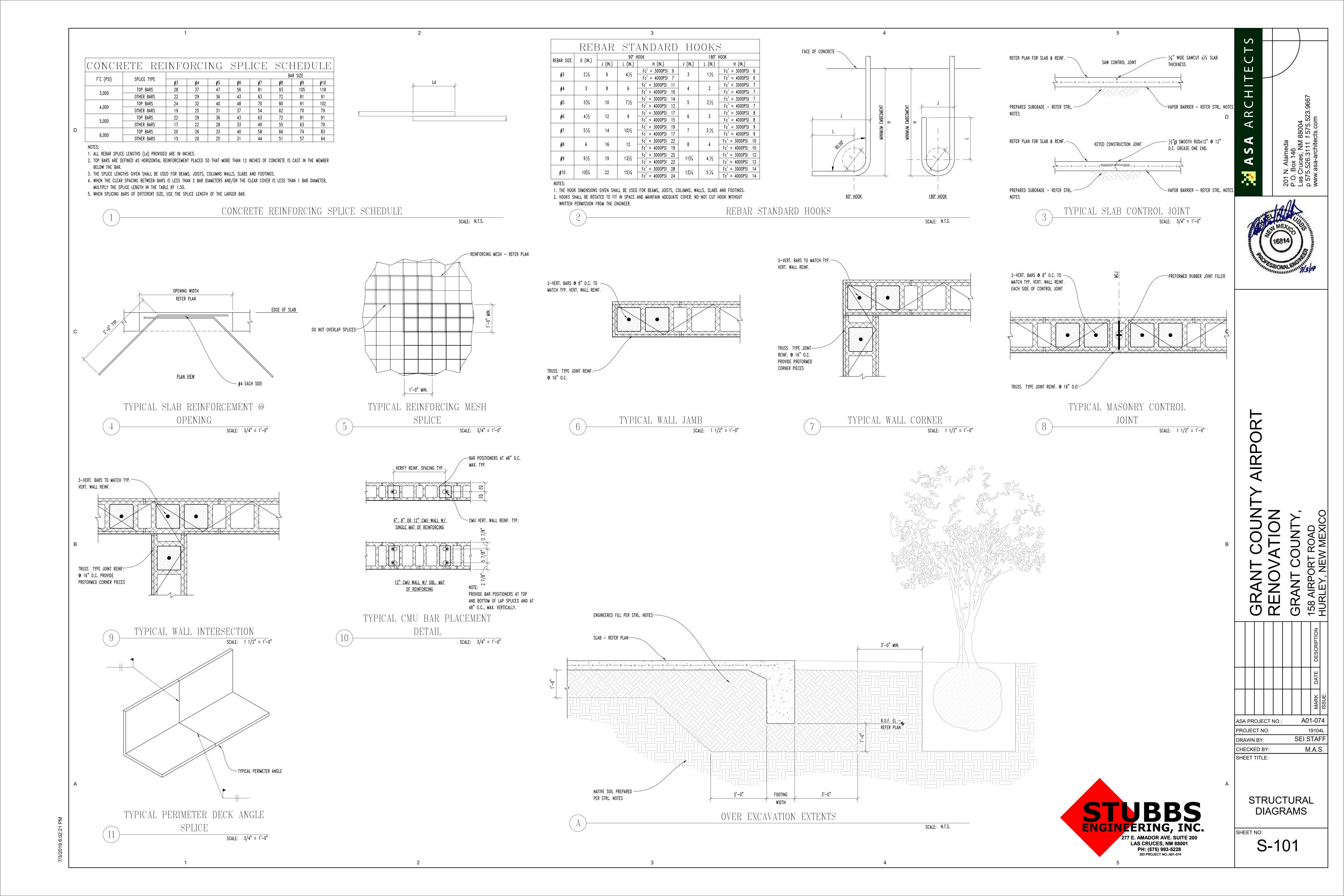
SHEET NO:

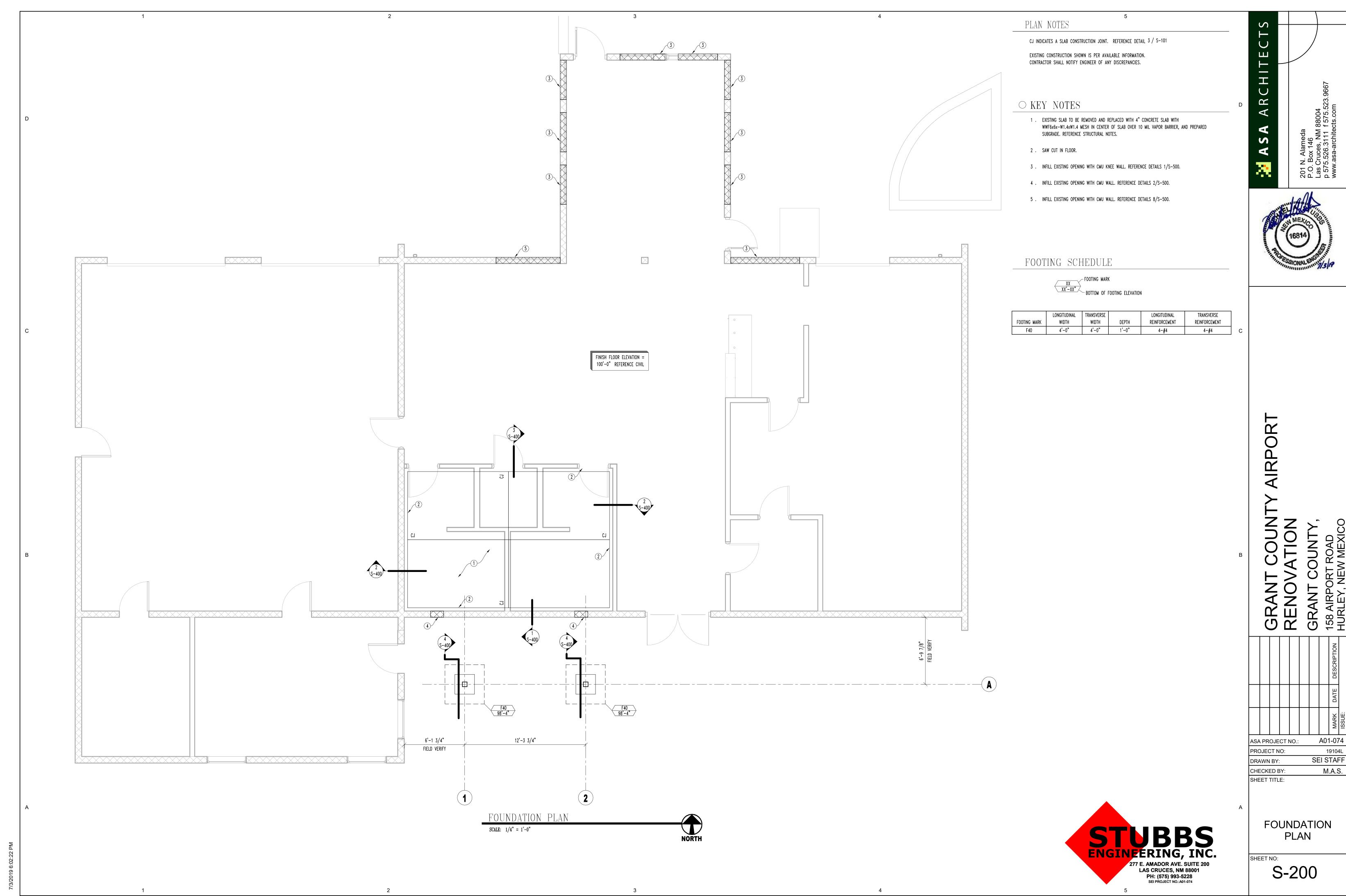
CHECKED BY:

SHEET TITLE:

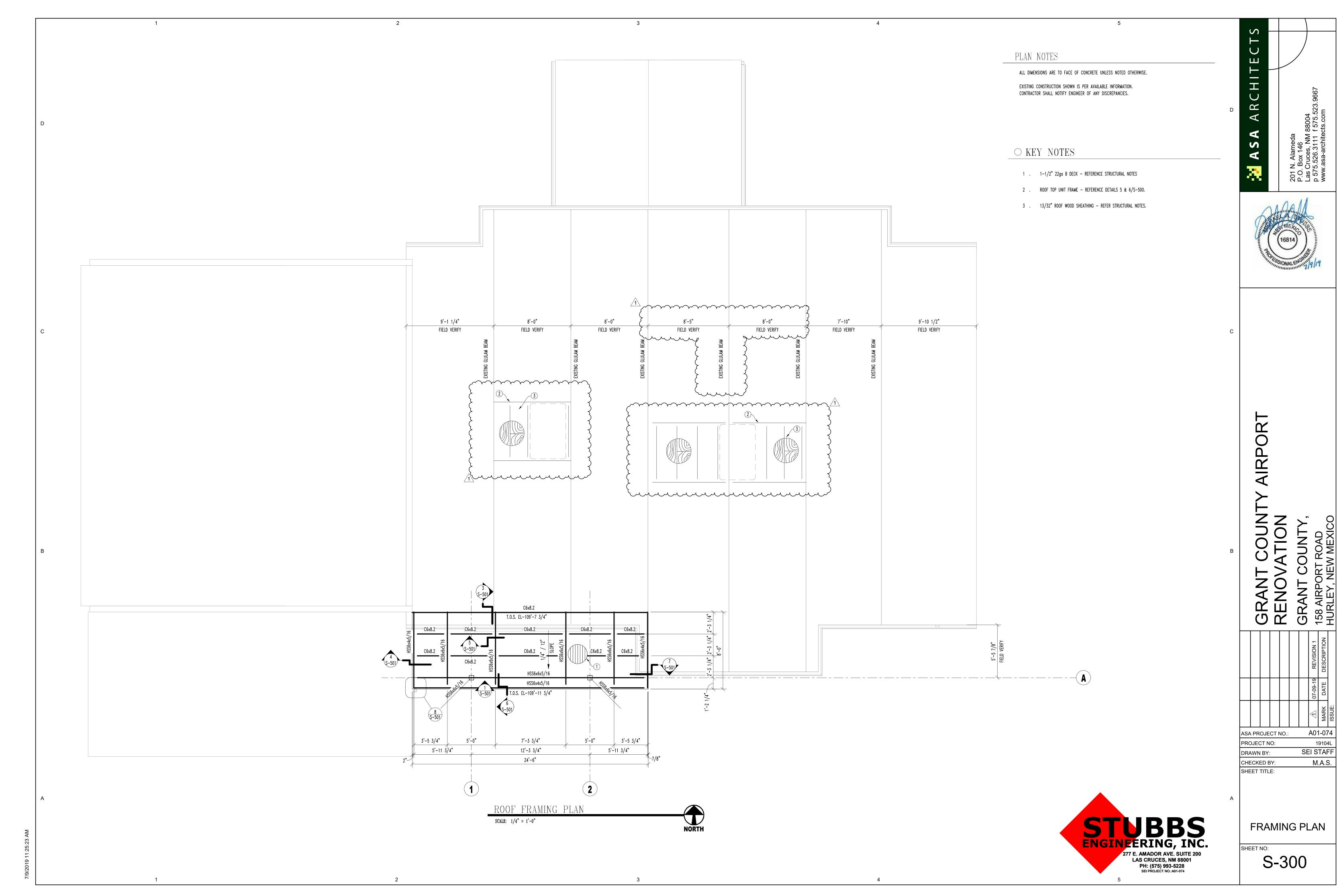
S-100

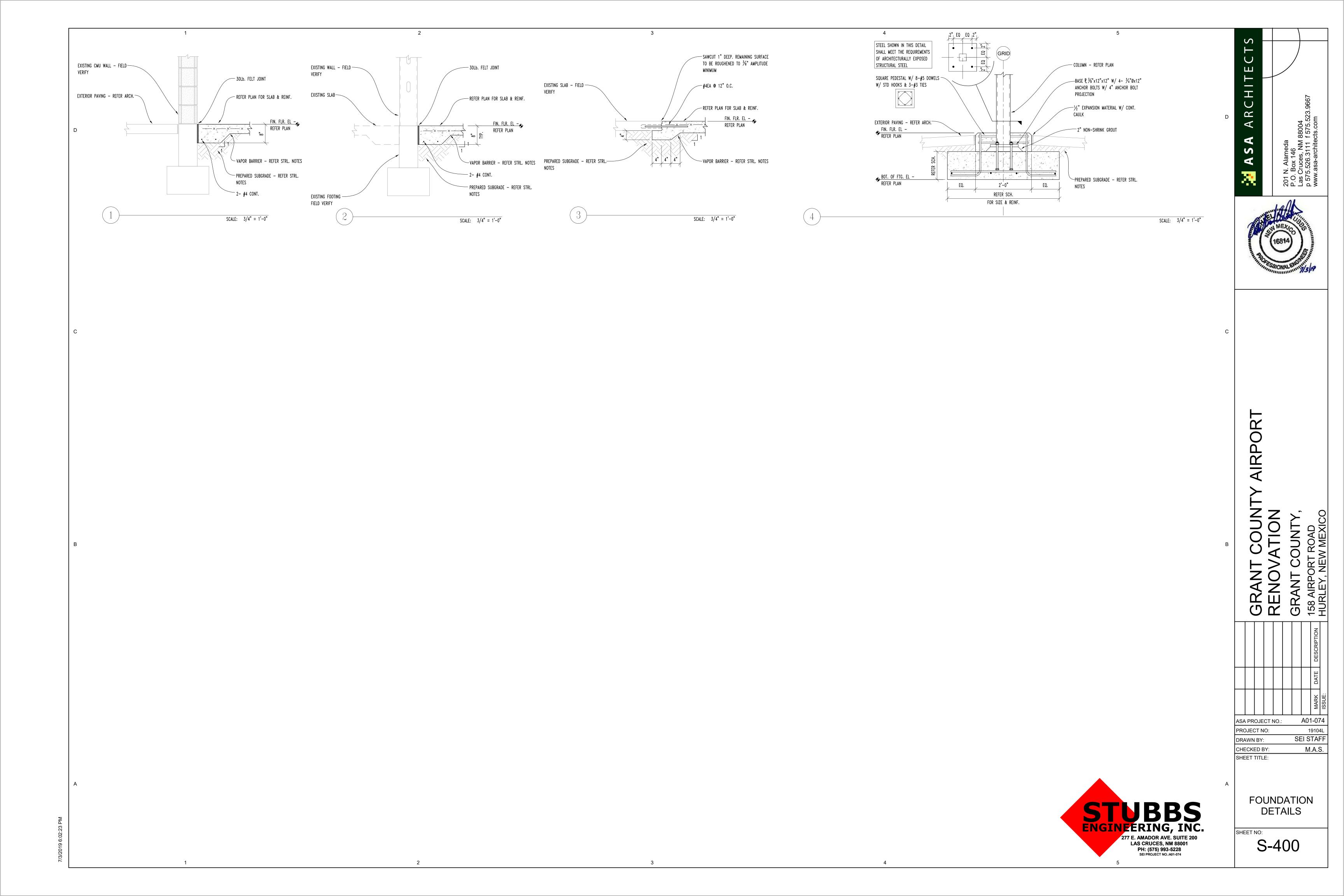
M.A.S.

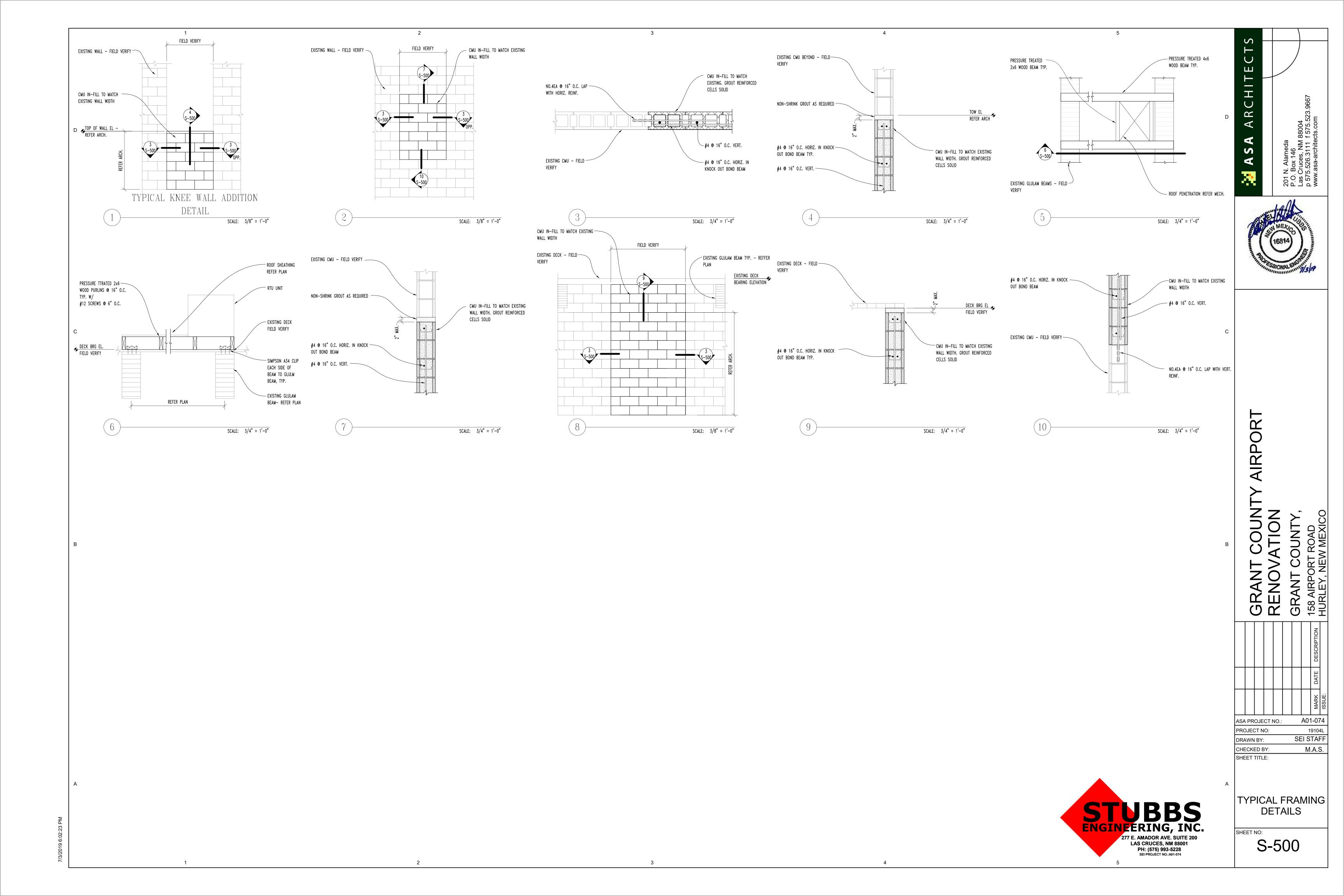


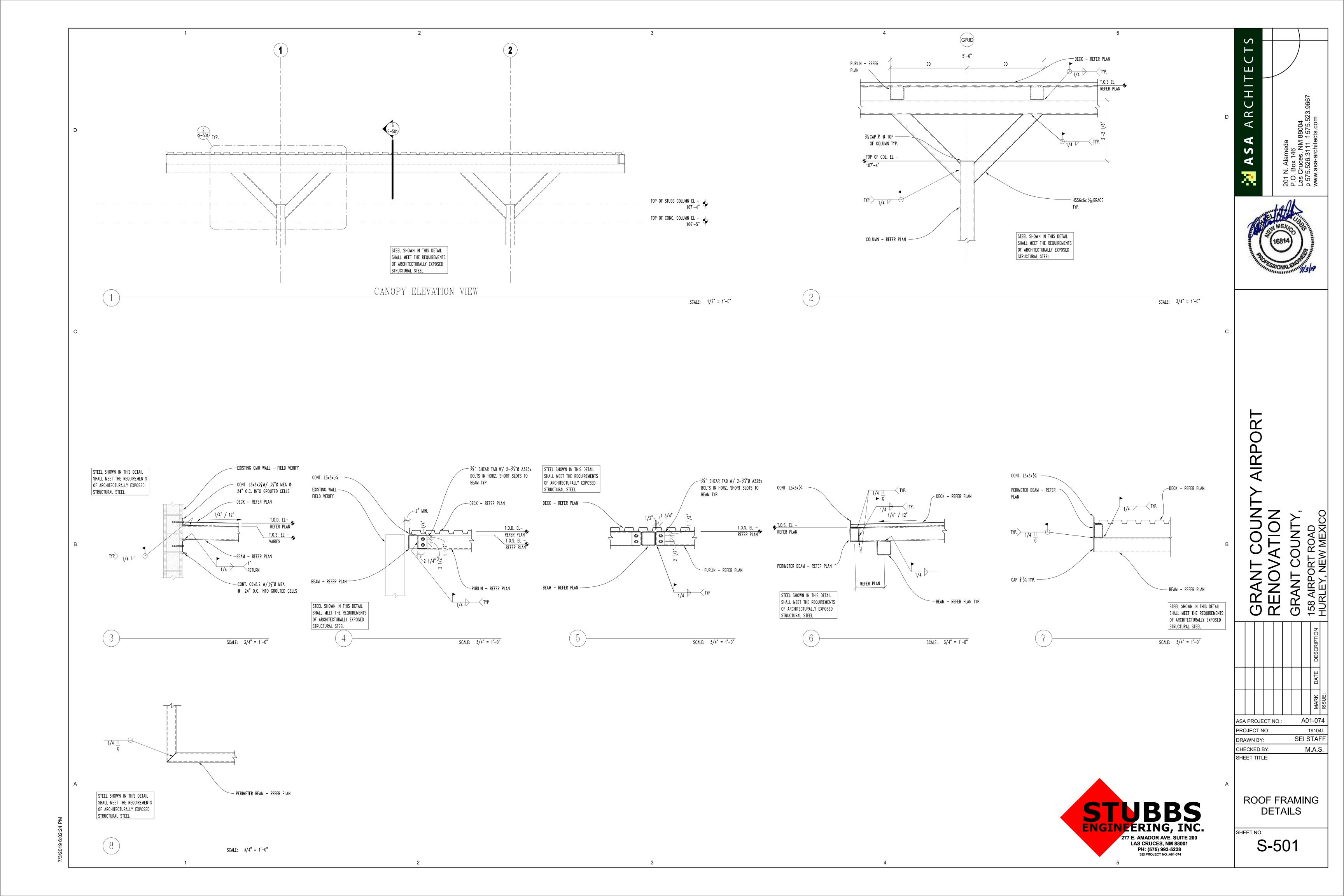


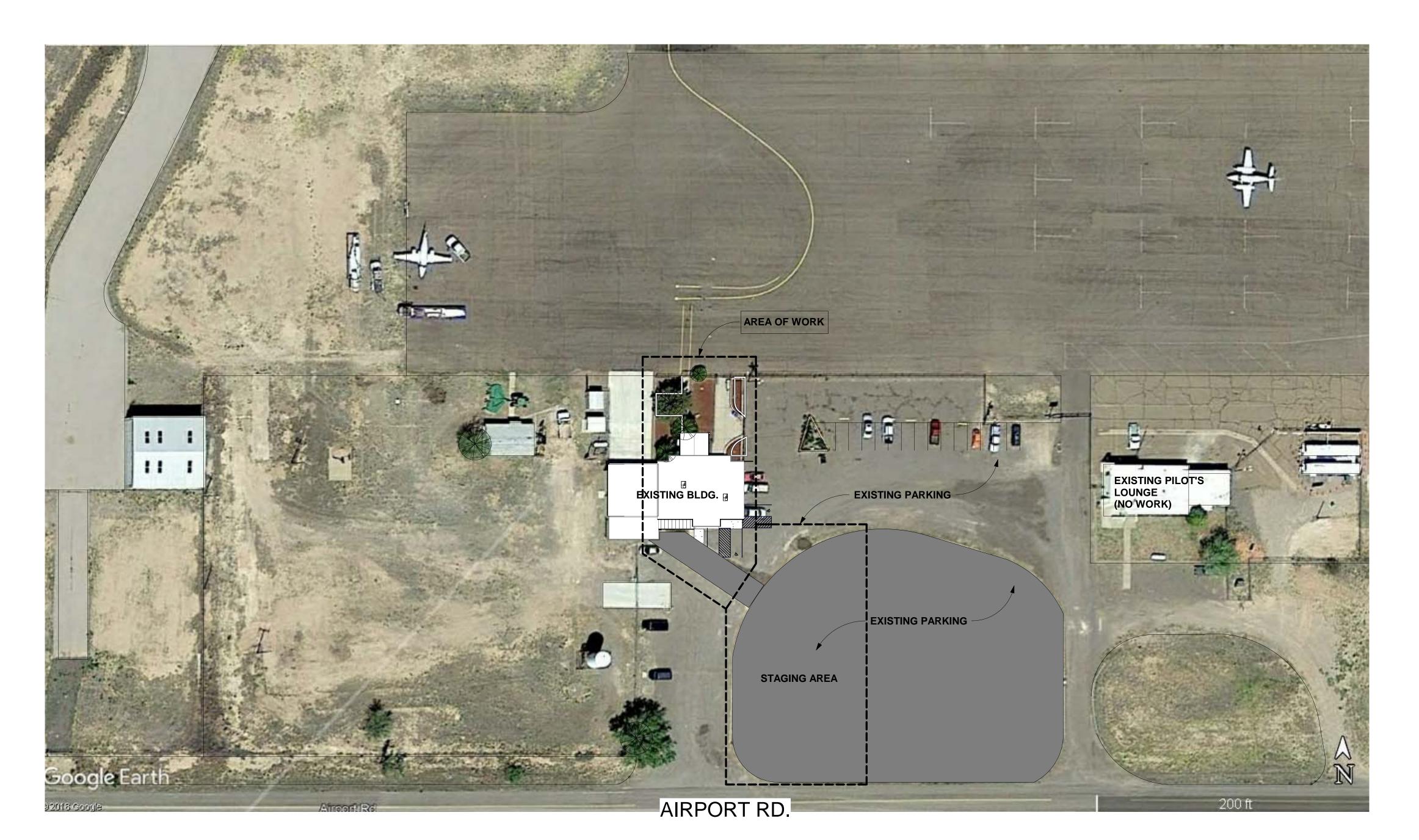












OVERALL SITE PLAN

SCALE: 1" = 40'-0"



GENERAL SITE NOTES

- A. REFERENCE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR REQUIRED OR AS CALLED OUT SITE UTILITES.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES LOCATED IN NEW BUILDING AREA AND CAP-OFF, REMOVE, OR RELOCATE AS REQUIRED. COORDINATE KNOWN UTILITY LOCATIONS WITH OWNERS REP.
- C. CONTRACTOR SHALL COORDINATE SITE ACCESS AND STAGING AREA WITH OWNER AND ARCHITECT.
- D. CONTRACTOR IS RESPONSIBLE FOR DAMAGES DONE TO EXISTING STRUCTURES, SIDEWALKS, PAVING AREAS, FENCING, ETC. NOT SCHEDULED FOR DEMOLITION. ALL REQUIRED REPAIRS WILL BE MADE AT CONTRACTORS EXPENSE.
- E. ALL TRASH AND DAMAGED MATERIAL ARE TO BE REMOVED FROM JOB SITE DAILY AND DISPOSE OF PROPERLY.
- F. THE SITE PLAN REFERENCES GENERAL PROPOSED WORK. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL ENGINEERING DISCIPLINES FOR EXACT SCOPE OF WORK.
- G. 72 HOURS PRIOR TO DIGGING ON SITE, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL 1.800.321.ALERT FOR KNOWN UTILITY LOCATES.
- H. CONTRACTOR SHALL PROVIDE STORM WATER POLLUTION PREVENTION PLAN SEDIMENT CONTROL FENCE OR EARTH IN BERM/ DIVERSIONS OF EARTH WORK EROSION CONTROL) UNLESS A 30" MIN. HIGH ROCK WALL EXIST. CONTRACTOR MUST COMPLETE & FILE ALL FORMS FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY REQUIRED BY THE STATE OF NEW MEXICO AND GRANT COUNTY.
- I. CONTRACTOR SHALL PROVIDE A CONSTRUCTION DRIVEWAY 50 FEET LENGTH MINIMUM X 19 FEET WIDTH MINIMUM, CONSISTING OF 4" TO 8" SIZE COURSE AGGREGATE OPEN GRADED OVER 6" FOUNDATION COURSE (FLEXIBLE BASE BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE) THE APPROACH TRANSITION SHOULD BE NO STEEPER THAN 6:1 THE CONSTRUCTION DRIVEWAY SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE. FINAL LOCATION OF CONSTRUCTION DRIVEWAY CAN BE AT THE DISCRETION OF THE CONTRACTOR W/ COORDINATION AND APPROVAL OF OWNER AND ARCHITECT.

J. DISTURBED AREA = .04 ACRES.

ITE

N. Alameda J. Box 146 Cruces, NM 88004

CONSTRUCTION DOCUMENTS 07/03/19

IRPORT TERMINAI BID# B-20-02

NOVATION
ANT COUNTY,
AIRPORT ROAD

GRAN

GRAN

GRAN

158 AIR

ASA PROJECT NO.:Project Number
PROJECT NO: 19104L
DRAWN BY: Author
CHECKED BY: Checker

CHECKED BY: SHEET TITLE:

SITE PLAN

SHEET NO

AS-100

DEMO KEY NOTES

- 1 REMOVE EXISTING DOOR FRAME, DOORS AND ALL ASSOCIATED COMPONENTS IN IT'S ENTIRETY. CLEAN AND PREPARE AREA TO RECEIVE WORK.
- 2 REMOVE EXISTING STORE FRONT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY CLEAN AND PREPARE AREA TO RECEIVE NEW WORK

3

- 3 REMOVE EXISTING OVERHEAD DOOR IN IT'S ENTIRETY CLEAN AND PREPARE AREA TO RECEIVE NEW WORK
- 4 REMOVE EXISTING WALLS AND ALL ASSOCIATED COMPONENTS IN THEIR ENTIRETY CLEAN AND PREPARE AREA TO RECEIVE NEW WORK
- 5 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPPING IN THEIR ENTIRETY CLEAN AND PREPARE AREA TO RECEIVE NEW WORK SEE PLUMBING
- 6 REMOVE EXISTING HEATERS, CLEAN AND PREPARE AREA TO RECEIVE NEW WORK. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- 7 EXISTING CONCRETE FLOOR WITH PREVIOUSLY ABATED FLOOR FINISH BY OWNERS SUBCONTRACTOR. PREPARE AREA TO RECIEVE NEW FLOOR FINISH.
- 8 REMOVE PORTION OF EXISTING WALL AND PREPARE AREA TO RECEIVE NEW DOOR FRAME AND DOOR.
 9 REMOVE EXISTING MILLWORK AND ALL ASSOCIATED EQUIPMENT IN IT'S ENTIRETY. CLEAN AND PREPARE AREA TO RECEIVE NEW WORK
- 10 REMOVE EXISTING ELECTRICAL PANEL. CLEAN AND PREPARE AREA TO RECEIVE NEW WORK. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
- 11 REMOVE EXISTING FURNACE CLEAN AND PREPARE AREA TO RECEIVE NEW WORK. SEE MECHANICAL FOR ADDITIONAL INFORMATION.
- 12 REMOVE EXISTING WINDOW AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY AND INFILL OPENING TO MATCH EXISTING WALL.

DEMO GENERAL NOTES

- A. DISCONNECT UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. COORDINATE WITH REGULATING AUTHORITIES AND APPROPRIATE UTILITY COMPANIES ONLY IF REQUIRED.
- B. ANY DEMOLITION AND REMOVAL OF EXISTING CONSTRUCTION AND EQUIPMENT SHOULD BE COORDINATED WITH NEW WORK.

Τ

8

CONSTRUCTION

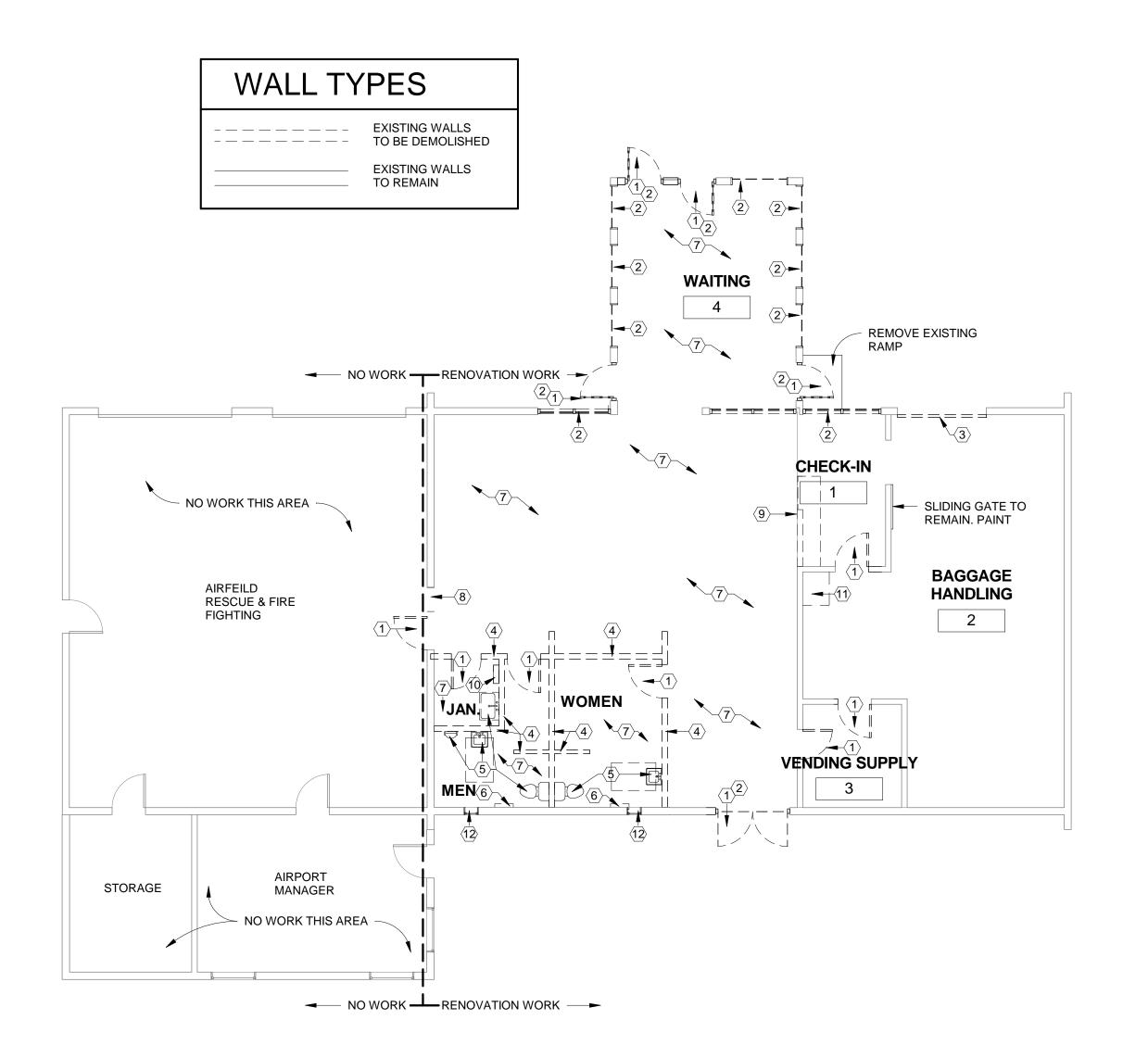
DOCUMENTS

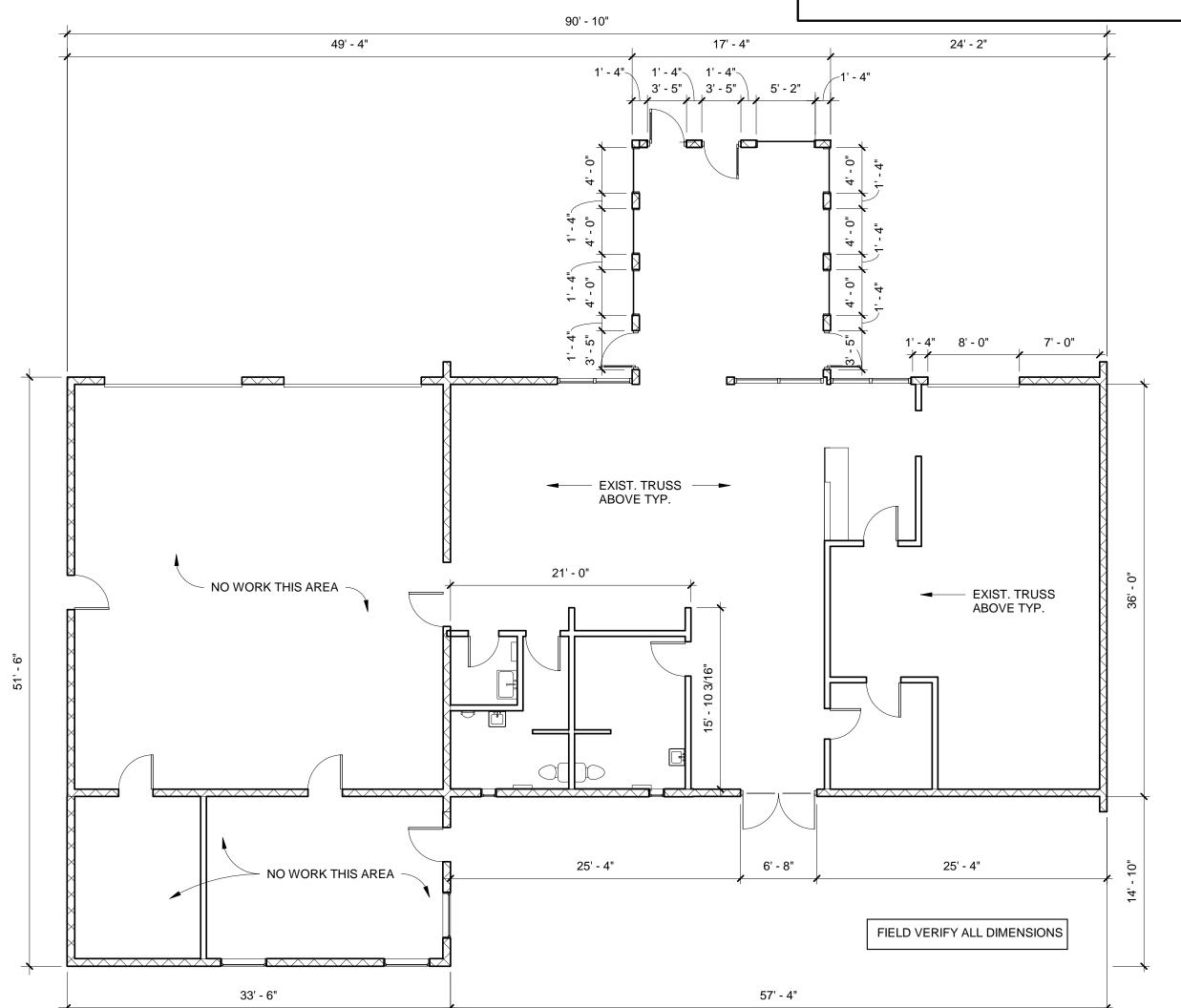
07/03/19

9

0

- C. ALL ITEMS SHOWN OR SCHEDULED TO BE DEMOLISHED AND REMOVED ARE PROPERTY OF THE CONTRACTOR: UNLESS OTHERWISE NOTED
- D. COORDINATE DEMOLITION OF EXISTING CONSTRUCTION WITH MECHANICAL / PLUMBING / ELECTRICAL DEMOLITION PLANS.
- E. CONTRACTOR SHALL FIELD VERIFY EXTENT OF DEMOLITION AND PROPOSED CONSTRUCTION.
- F. PROVIDE AND MAINTAIN TEMPORARY PROTECTION OF EXISTING STRUCTURE AS REQUIRED. PERFORM DEMOLITION REQUIRED WITH CARE AND SAFETY OF PERSONNEL, PUBLIC, AND PROPERTY. PROVIDE ADEQUATE SHORING BRACING AND SUPPORT OF EXISTING AND NEW CONSTRUCTION AT ALL TIMES.
- G. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PRECAUTIONS, SUCH AS EXPLORATIONS OR PROBES NECESSARY BEFORE DEMOLITION.
- H. KEEP CONSTRUCTION SITE FREE OF ACCUMULATION OF DEBRIS AND RUBBISH. THERE WILL BE NO STOCK PILING OF MATERIALS.
- J. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY FOR CLARIFICATION BEFORE CONTINUING WORK.
- K. INTENT OF DEMOLITION IS TO PREPARE EXISTING BUILDING FOR NEW IMPROVEMENTS, CONTRACTOR SHOULD EXECUTE ALL DEMOLITION WITH CARE. ANY AREAS DAMAGED AND NOT SCHEDULED TO BE DEMOLISHED WILL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- L. CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO PROTECT FROM DAMAGE UNDEGROUND WORK, UTILITY LINES, WALKS, LANDSCAPING, ETC. WHICH REMAIN AS PART OF THE FINAL SYSTEMS. WHERE DAMAGED, CONTRACTOR SHALL REPAIR AND / OR RESTORE THESE ITEMS AS REQUIRED TO PRE-CONSTRUCTION CONDITION.
- M. CONTRACTOR SHALL COMPLY WITH ALL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THE PROJECT LOCATION. CONTRACTOR SHALL FILE AND SECURE ALL NECESSARY PERMITS, APPROVALS, ETC. FOR ALL TRADES.
- N. ALL ITEMS INDICATED TO BE REMOVED SHALL BE REMOVED FROM SITE ON A DAILY BASIS AND LEGALLY DISPOSED OF.
- P. THE CONTRACTOR SHALL OVERSEE CLEANING AND ENSURE THAT THE PREMISES ARE MAINTAINED FREE OF RUBBISH DURING DEMOLITION WORK. CONTRACTOR CLEAN UP IS THE RESPONSIBILITY OF THE CONTRACTOR.





FLOOR PLAN - DEMO

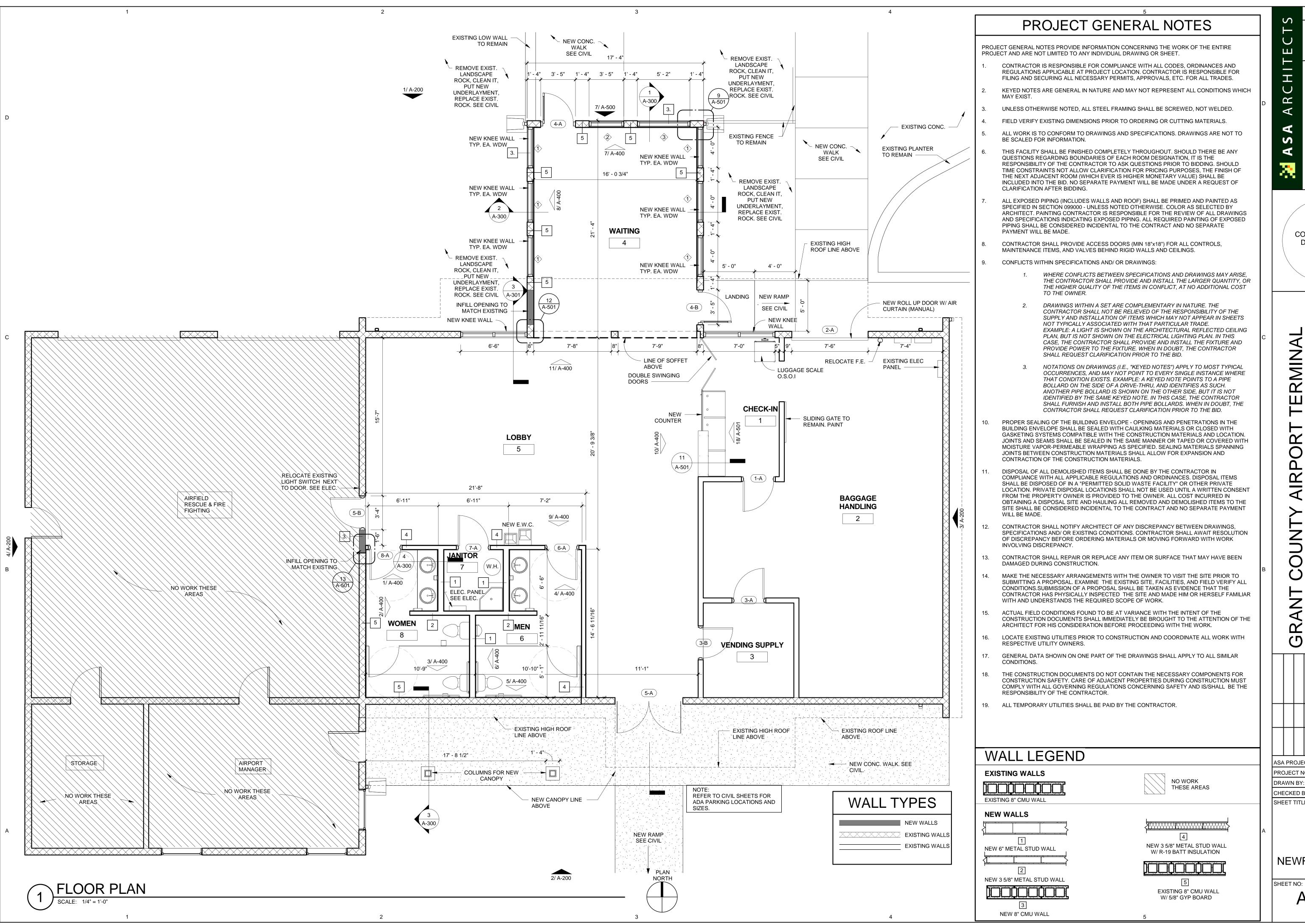
FLOOR PLAN - EXISTING

ASA PROJECT NO.:Project Number
PROJECT NO: 19104L
DRAWN BY: Author
CHECKED BY: Checker
SHEET TITLE:

PLAN

AD-100

EXISTING / DEMO



CONSTRUCTION DOCUMENTS 07/03/19

0 \mathbf{m}

> COUNT T ROAD EW MEXIC GRANT CO 158 AIRPORT HURLEY, NEV

ASA PROJECT NO.:Project Number PROJECT NO: Author

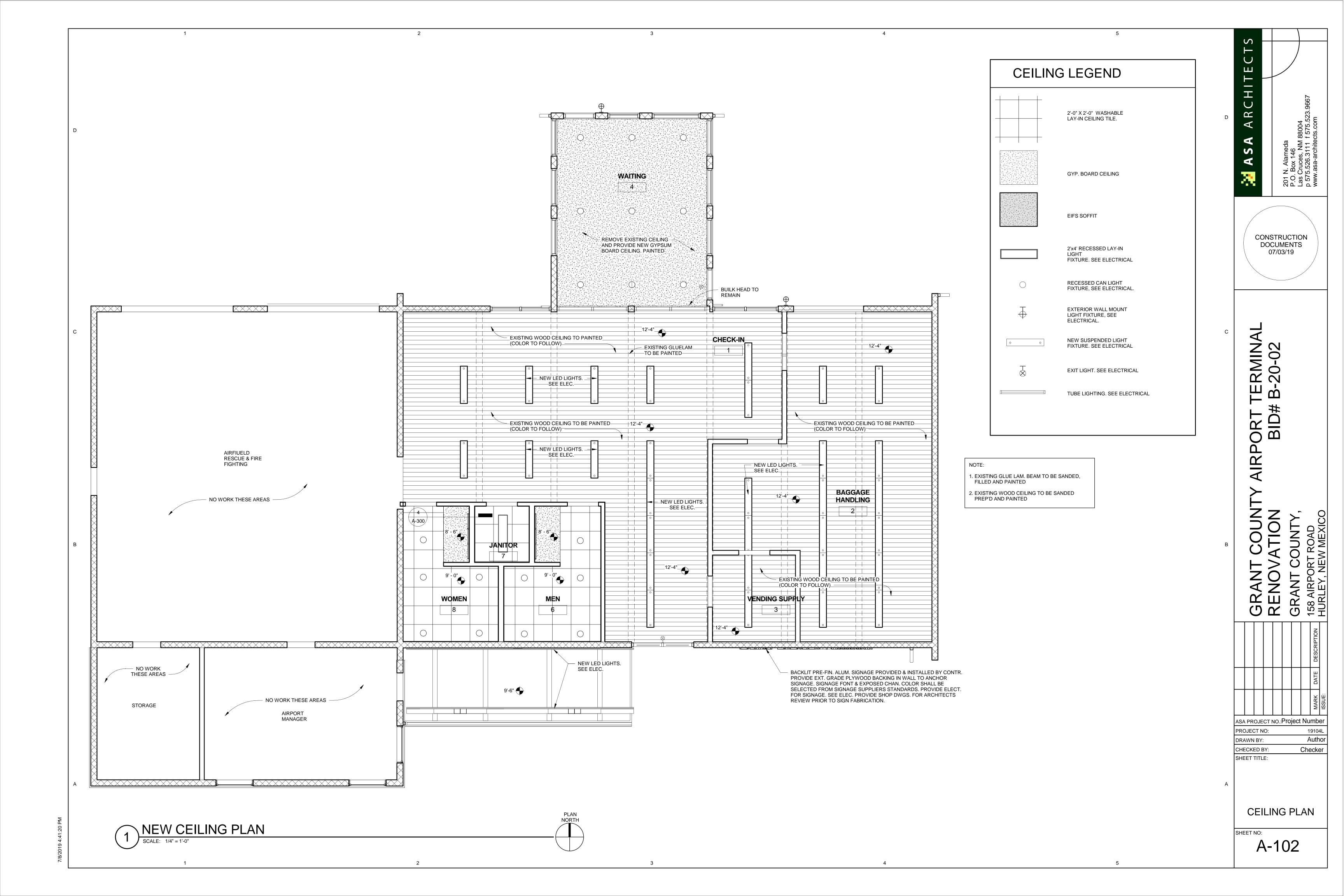
Checker

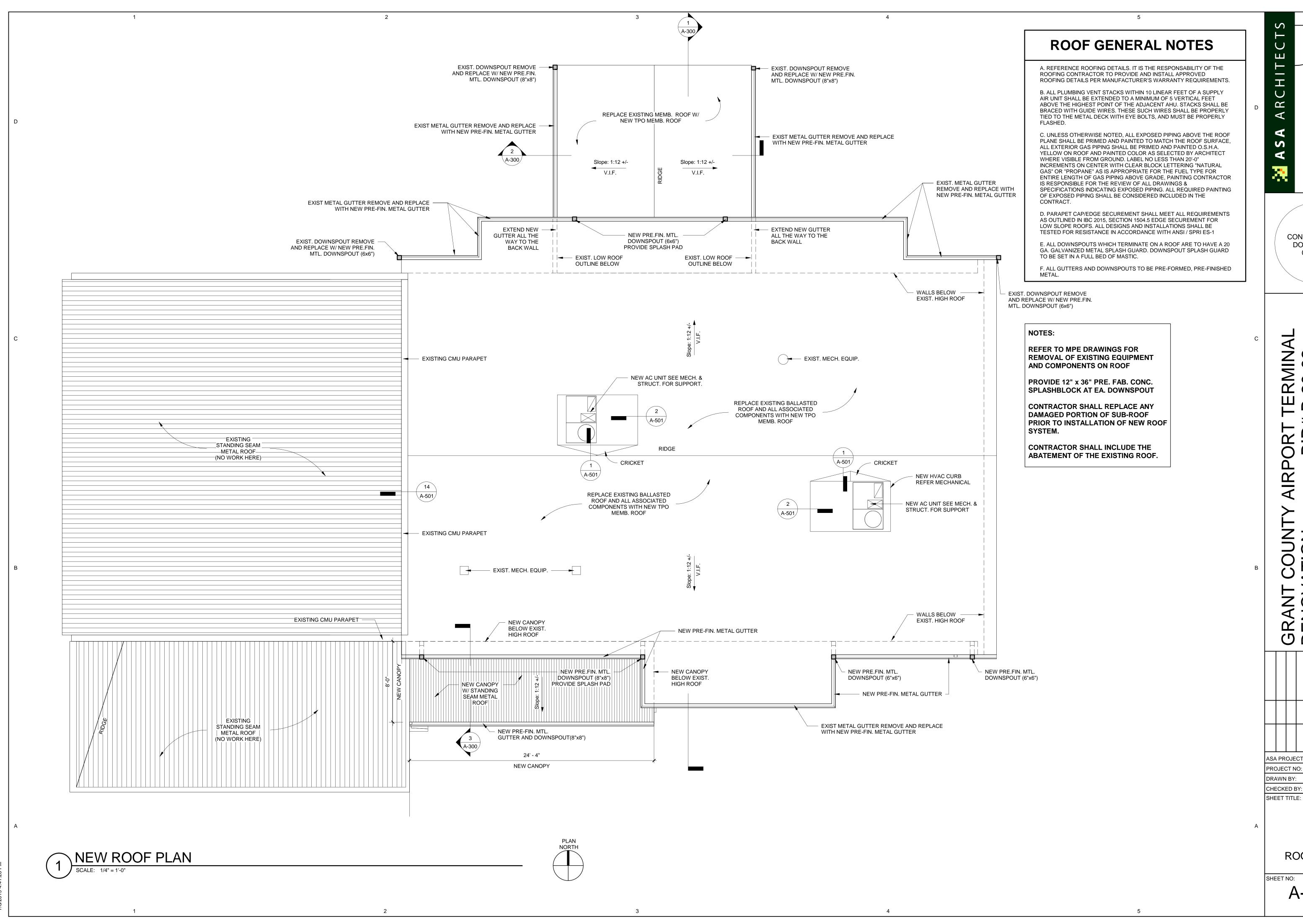
CHECKED BY:

SHEET TITLE:

NEWFLOOR PLAN

A-101





CONSTRUCTION DOCUMENTS 07/03/19

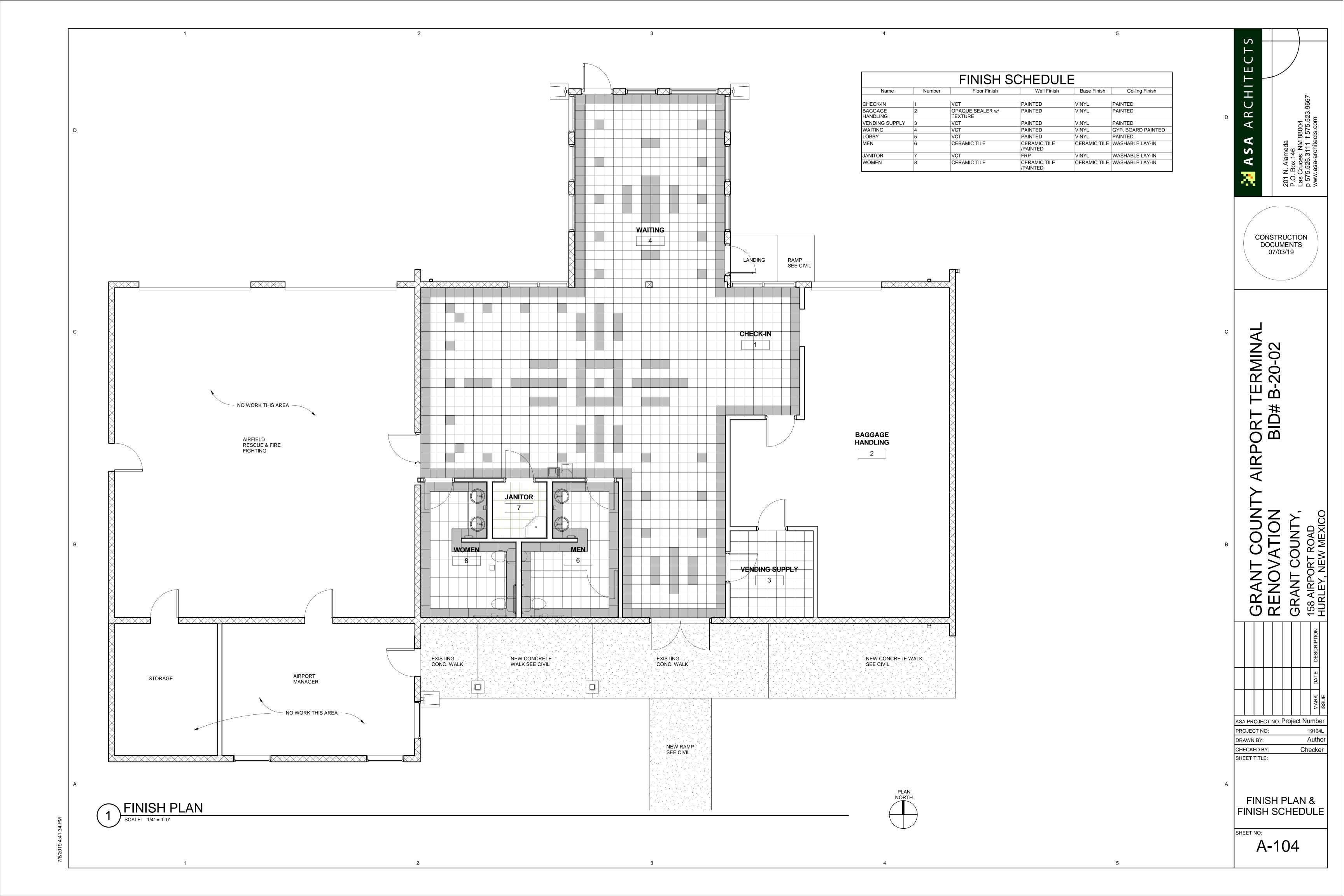
0

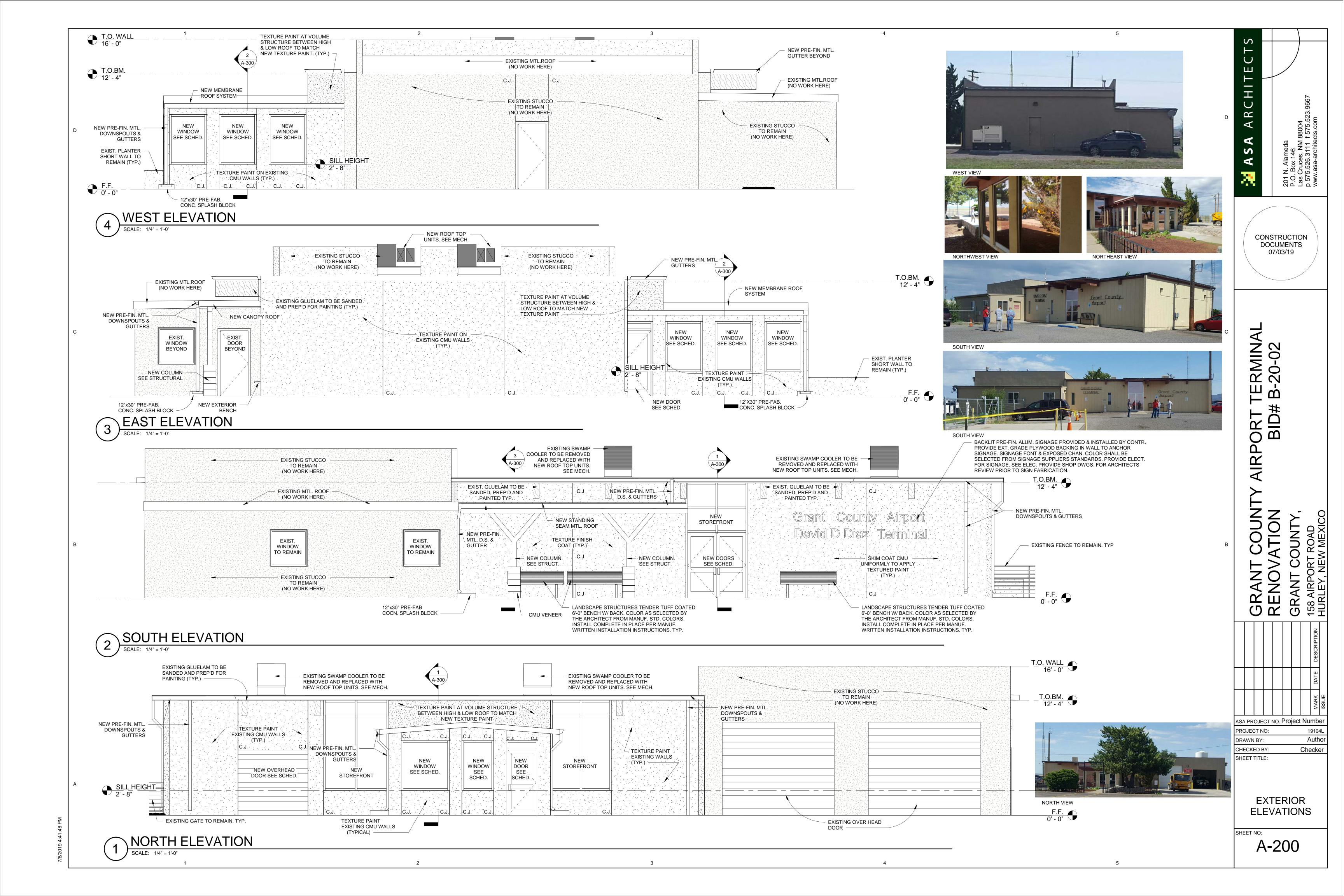
ASA PROJECT NO.:Project Number Author

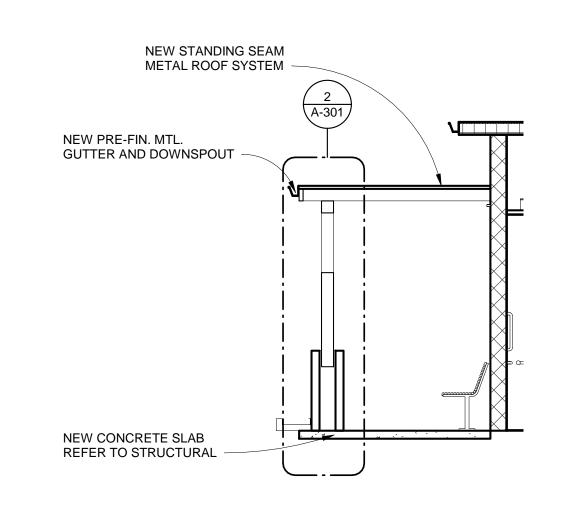
CHECKED BY: Checker

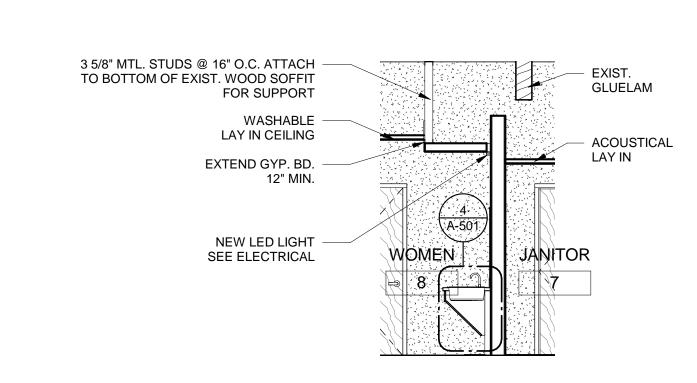
ROOF PLAN

A-103









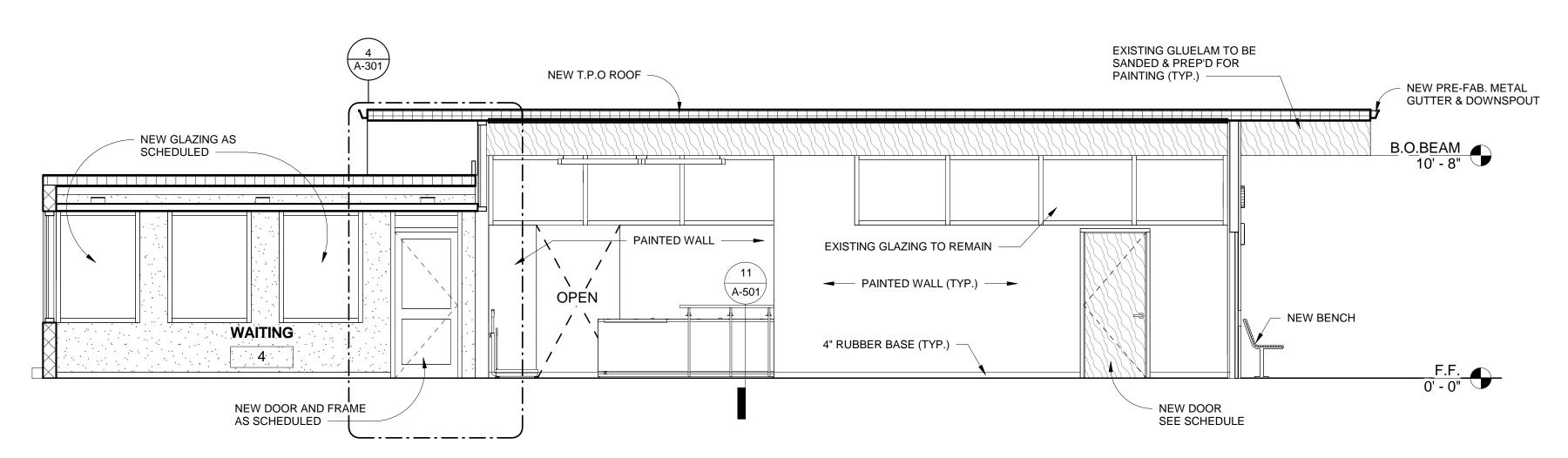
PARTIAL BUILDING SECTION

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

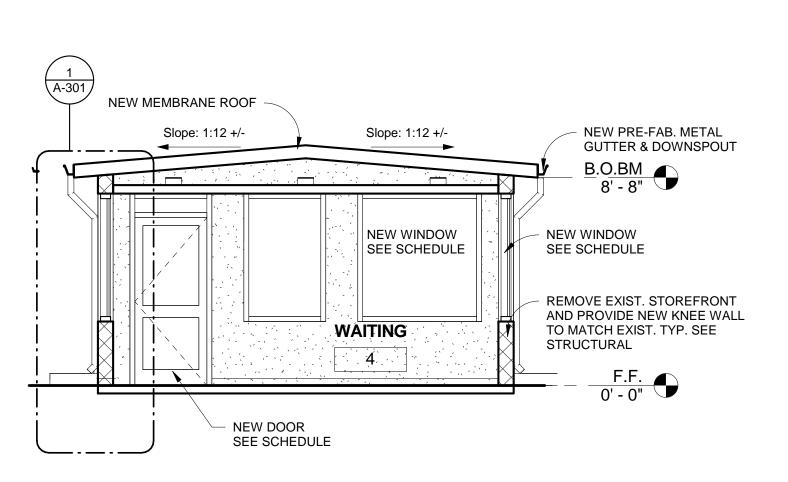


3

4







5

BUILDING SECTION

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

61/80/20 South of the state of

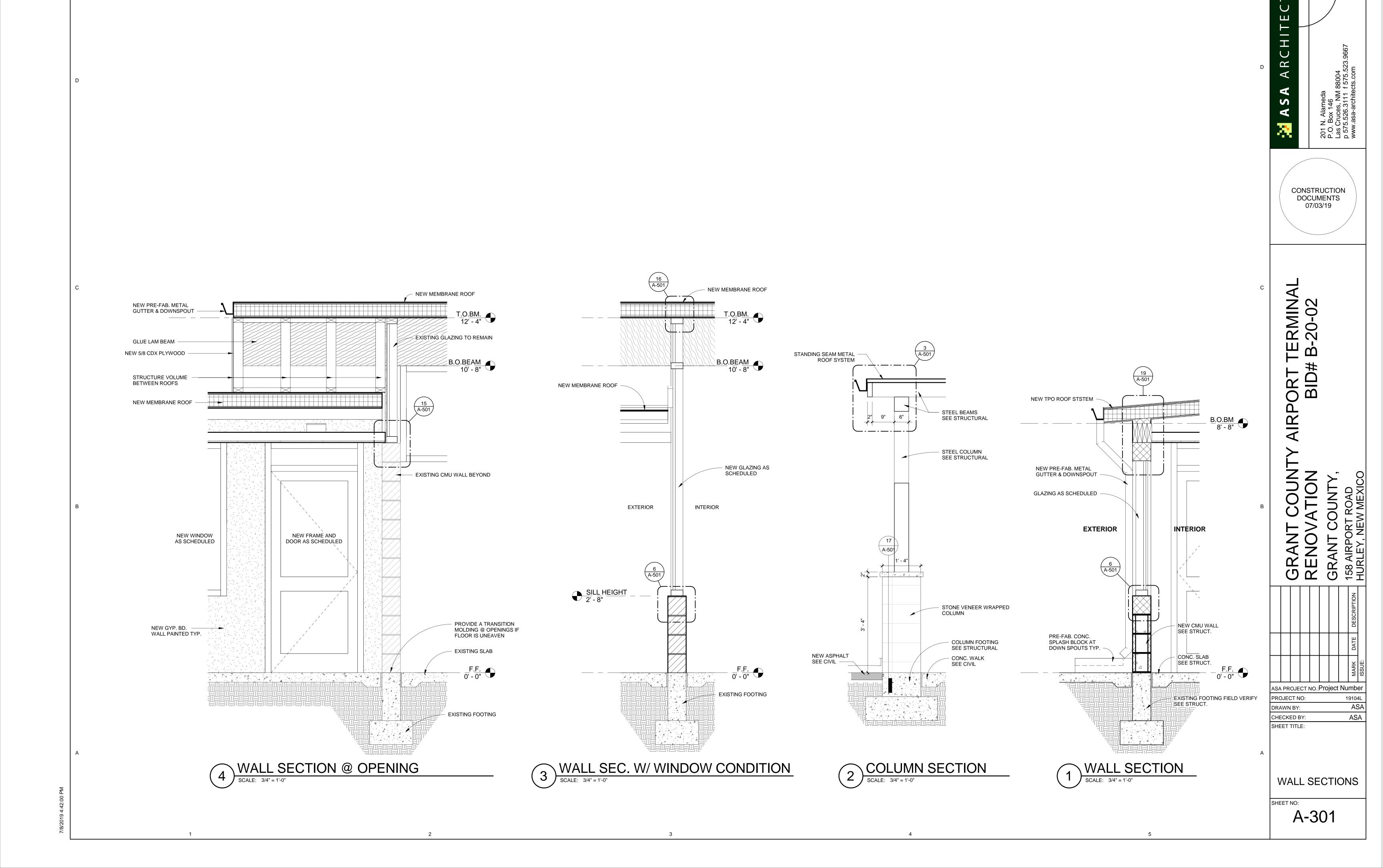
GRANT COUNTY AIRPORT TERMINAL
RENOVATION
BID# B-20-02
GRANT COUNTY,
158 AIRPORT ROAD
HURLEY, NEW MEXICO

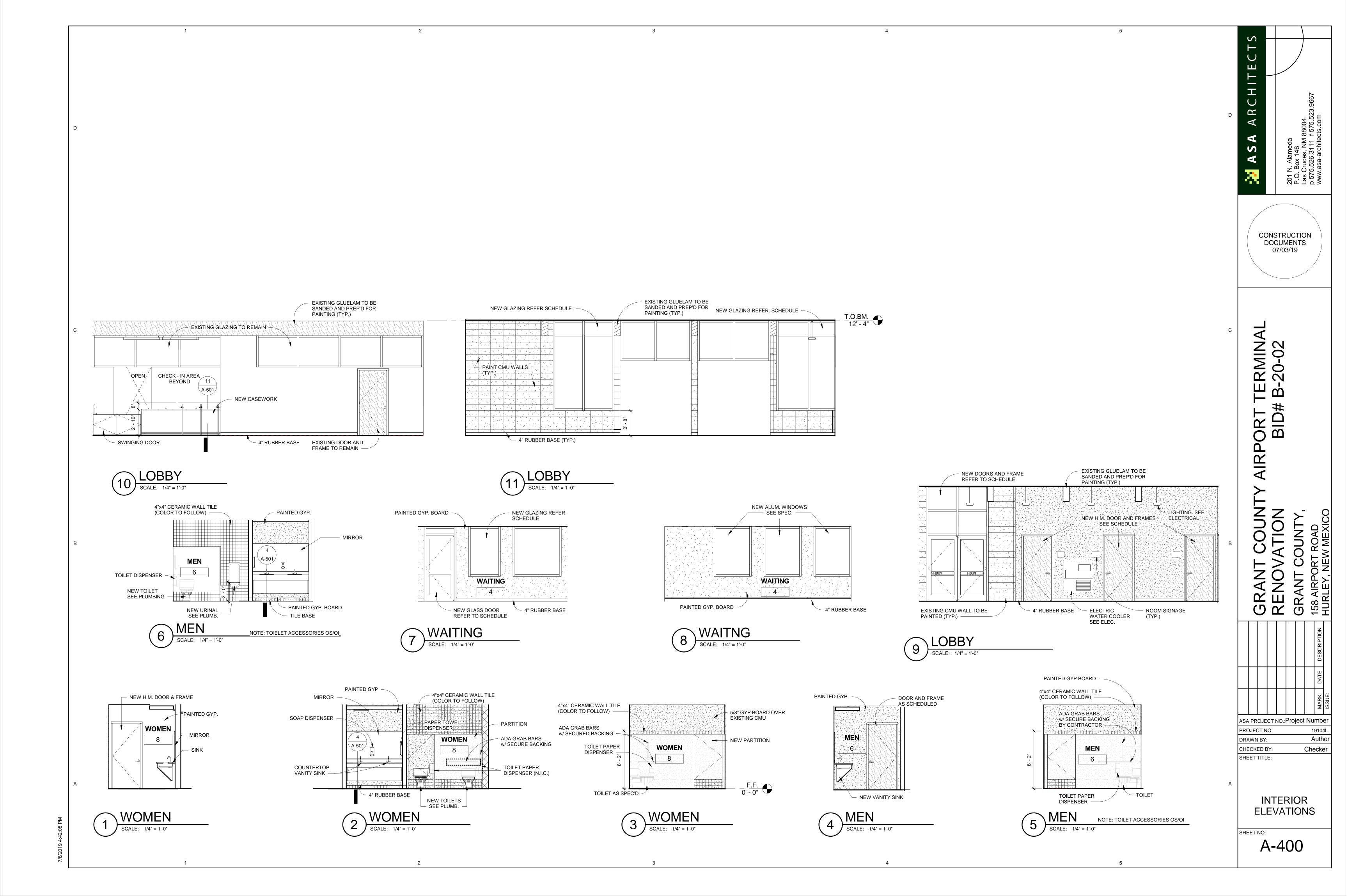
ASA PROJECT NO: Project Number
PROJECT NO: 19104L
DRAWN BY: Author
CHECKED BY: Checker
SHEET TITLE:

SHEET NO:

A-300

BUILDING SECTIONS







CONSTRUCTION DOCUMENTS 07/03/19

TERMINAL # B-20-02 4

GRANT COUNTY, 158 AIRPORT ROAD HURLEY, NEW MEXICO

ASA PROJECT NO.:Project Number

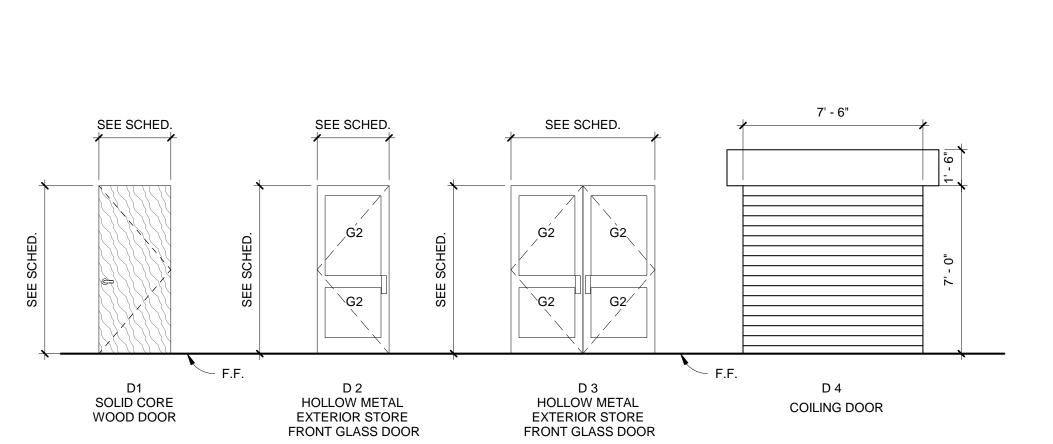
PROJECT NO: Author DRAWN BY: Checker CHECKED BY: SHEET TITLE:

DOOR SCHEDULE & DETAILS

A-500



COILING DOOR



SEE SCHED 2 1/2" G2 2" SEE SCHED, 2" G2 A-500 4 A-500 F2 HOLLOW METAL FRAME F3 HOLLOW METAL FRAME F1 H.M. FRAME

WINDOW TYPES

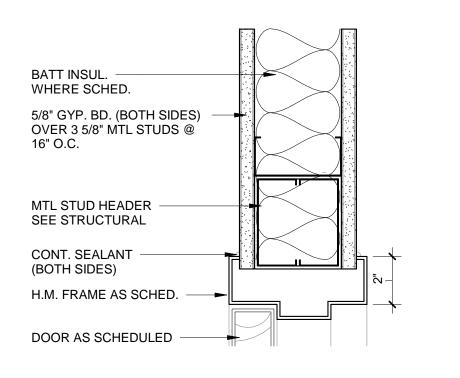
DOOR TYPES

GLAZING DESIGNATIONS:

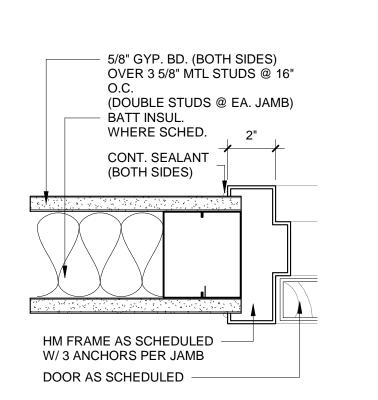
TINTED INSUL. GLASS TINTED INSUL. TEMP. GLASS

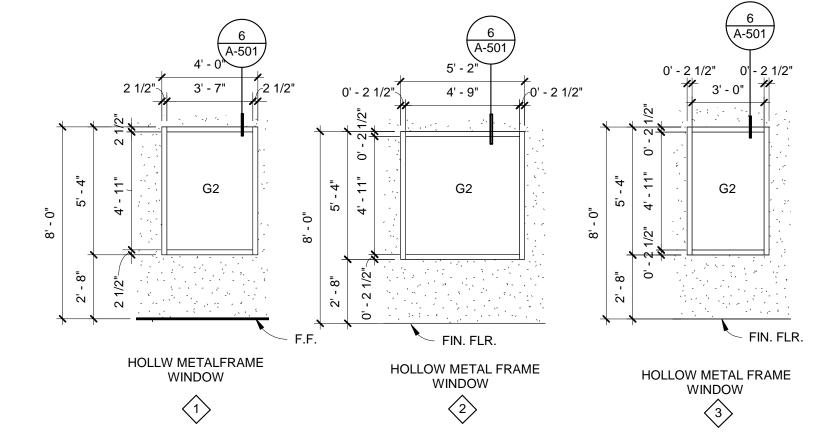
G1 1" TINTED INSUL. GLASS
G2 1" TINTED INSUL. TEMP. G'
G3 1/4" CLEAR GLASS
G4 1/4" CLEAR TEMP. GLASS

FRAME TYPES



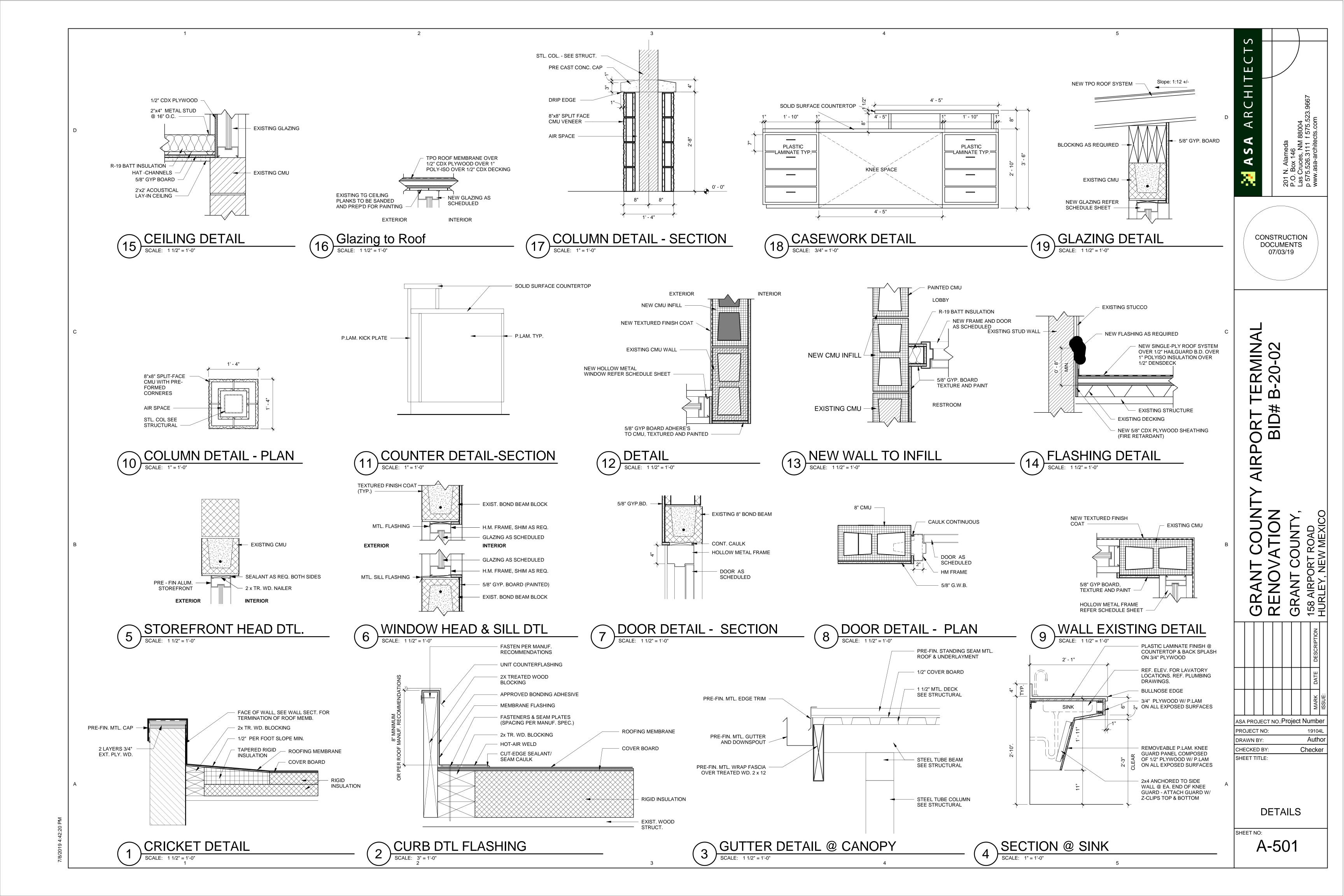
FRONT GLASS DOOR











KEYED NOTES

1) REMOVE EXISTING FURNACE IN ITS ENTIRETY, INCLUDING ALL DUCTWORK AND GRILLES, THERMOSTAT, FLUES, ETC.. FIELD COORDINATE EXACT LOCATION. REPAIR WALLS, CEILING, ETC. AS REQUIRED TO MATCH. (BID LOT #2)

2 REMOVE EXISTING EXHAUST FAN IN ITS ENTIRETY. EXISTING THRU-ROOF PENETRATION TO BE REUSED FOR NEW UNIT. FIELD COORDINATE EXACT LOCATION. UNUSED THRU-ROOF PENETRATIONS TO BE REPAIRED TO MATCH. (BID LOT #4)

3 REMOVE EXISTING EVAPORATIVE COOLER IN ITS ENTIRETY, INCLUDING ALL DUCTWORK AND GRILLES, STAND, ETC. EXISTING THRU-ROOF PENETRATION TO BE REUSED FOR NEW AC. FIELD COORDINATE EXACT LOCATION. (BID LOT #2)

(4) REMOVE EXISTING WALL MOUNTED ELECTRIC HEATER IN ITS ENTIRETY. REPAIR WALL AS REQUIRED TO MATCH. (BID LOT #4)

RMINA

ASA PROJECT NO. RBM

PROJECT NO: RBM

EXIST.-DEMO. HVAC PLAN

RBM ENGINEERING INC.
1065 S. MAIN ST. BLDG D STE. A
LAS CRUCES, NM 88005
(575) 647-1554
FAX (575) 647-1563
rbm@rbm.cc MD-101

- A. COMPLY WITH ALL LOCAL, COUNTY, STATE AND FEDERAL CODES, ORDINANCE, RULES AND REGULATIONS.
- B. ALL MECHANICAL WORK MUST BE COORDINATED WITH ARCHITECT, STRUCTURAL, AND ELECTRICAL PRIOR TO INSTALLATION.
- C. ALL BRANCH DUCTS SHALL BE FITTED WITH BALANCING DAMPERS. WHERE RADIUS FITTINGS WILL NOT FIT, TURNING VANES SHALL BE PROVIDED IN ALL SQUARE FITTINGS.
- D. TEST AND BALANCE ALL SYSTEMS SHOWN ON PLANS PER NEBB STANDARDS.
- E. DUCTWORK TO BE GALVANIZED STEEL SHEETS IN ACCORDANCE WITH "ASHRAE GUIDE AND SMACNA STANDARDS."
- F. SEAL ALL DUCT JOINTS WITH HIGH PRESSURE DUCT SEALER OR HARD CAST.
- G. ALL EXTERIOR DUCTWORK (SUPPLY/RETURN) TO BE INSULATED AND PROTECTED. PROVIDE WITH DUCTWRAP AND INSTALL ALUMINUM JACKET TO DUCTWORK. INSTALLED R-8
- H. ALL SUPPLY & RETURN DUCTWORK TO BE DOUBLE WALL AND INSULATED 1.5" INTERNAL MAT FACED DUCT LINER FOR INSULATING & ACOUSTICS. LINER SHALL BE TREATED WITH AN EPA REGISTERED ANTI-MICROBIAL AGENT. DUCTWORK TO BE FIELD PAINTED BY MECHANICAL CONTRACTOR.
- I. DUCT SIZES SHOWN ARE "CLEAR INSIDE" DIMENSIONS.
- J. EXACT PLACEMENT OF DIFFUSERS AND REGISTERS TO BE COORDINATED WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY CEILING TYPES FOR AIR DISTRIBUTION PRIOR TO
- K. CONTRACTOR TO VERIFY LOCATION OF ALL AIR EQUIPMENT SO THAT NO INTERFERENCES ARE ENCOUNTERED WITH OTHER EQUIPMENT OR WITH THE STRUCTURAL ELEMENTS.
- L. MECHANICAL CONTRACTOR TO VERIFY THAT ALL DUCTWORK WILL FIT WHERE INDICATED WITHOUT INTERFERENCES.
- M. ALL SUPPLY AND RETURN DUCTS MUST DROP BETWEEN ROOF JOISTS (VERIFY BEFORE SETTING UNITS)
- N. ALL HVAC EQUIPMENT TO BE MOUNTED LEVEL ON EQUIPMENT CURBS UNLESS OTHERWISE NOTED. GROUND MOUNTED EQUIPMENT SHALL BE PROVIDED WITH AN EQUIPMENT PAD.
- O. FOLLOW CODE GUIDELINES WHEN LOCATING POSITIONS OF EXHAUST OUTLETS, GAS FIRED EQUIPMENT FLUES, AND OUTSIDE AIR INTAKES. MINIMUM OF 10' AWAY OR 3' ABOVE ALL FRESH AIR INTAKES ON UNITS AND ALL VERTICAL PORTIONS OF BUILDING. REFER TO DRAWINGS FOR LOCATIONS.
- P. CONTRACTOR TO SHIM-LEVEL A/C UNITS.
- Q. MECHANICAL CONTRACTOR TO INSTALL NEW FILTERS IN ALL APPLICABLE HVAC UNITS AT BENEFICIAL OCCUPANCY PLUS ONE SET OF SPARE FILTERS.
- R. ALL METAL FLUES AND/OR CHIMNEYS FROM FOSSIL FUEL FIRED EQUIPMENT MOUNTED INSIDE THE BUILDING SHALL BE OF CONSTRUCTION. CONSISTENT WITH THE CLASSIFICATION OF THAT APPLIANCE. COORDINATE WITH CODE AND MANUFACTURERS RECOMMENDATIONS.
- S. ALL EQUIPMENT SHALL BE SELECTED AND EQUIPPED FOR OPERATION AT SITE ALTITUDE. DEMONSTRATE ALTITUDE CORRECTIONS IN EQUIPMENT SUBMITTALS. (5,895 FT.)
- T. INSULATE ALL CONDENSATE DRAIN PIPING BELOW ROOF. REFER TO SPECIFICATION FOR MORE INFORMATION. PROVIDE BACK DRAFT DAMPERS AND BIRD SCREENS IN ALL EXHAUST SYSTEMS.
- U. ALL HVAC UNITS SHALL BE INSTALLED WITH NEOPRENE VIBRATION ISOLATOR PADS AND DUCT FLEX CONNECTORS.
- V. FABRICATION OF DUCTWORK SHALL BE BASED ON FIELD MEASUREMENTS. ADJUSTMENTS TO DUCT SIZES AND LAYOUT SHALL BE COORDINATED WITH THE ENGINEER.
- W. ALL DEVIATIONS FROM SPECIFIED EQUIPMENT AND MATERIALS MUST BE APPROVED BY ARCHITECT/ENGINEER. SEE SUBSTITUTION LIMITATIONS AND PROCEDURES IN SPECIFICATION SECTION OF 6000-PROJECT REQUIREMENTS
- X. ILLUSTRATIONS SHOWN GENERALLY PROVIDED TO CONVEY CONCEPT AND ARE NOT INTENDED FOR AND DO NOT INCLUDE ALL DETAILS FOR ANY SPECIFIC INSTALLATION. ALL INSTALLATIONS MUST COMPLY WITH ALL APPLICABLE
- Y. THERMOSTATS SHALL BE CALIBRATED DURING TEST AND BALANCE AND SHALL BE DOCUMENTED IN THE TEST AND
- Z. ALL EQUIPMENT AND SUBSYSTEM SHALL BE PROVIDED WITH ISOLATION VALVES. PROVIDE UNIONS AS REQUIRED FOR REMOVAL OF MAJOR VALVES, CONTROL VALVES, AND EQUIPMENT WITHOUT CUTTING PIPE.
- AA. VERIFY ACCESS REQUIREMENTS OF ALL EQUIPMENT PRIOR TO FABRICATING DUCTWORK OR PIPING. ANY ITEM INTERFERING WITH UNIT ACCESSED SHALL BE MOVED AT THE CONTRACTORS EXPENSES.
- AB. PROVIDE ACCESS PANELS OR DOORS IN AN ACCESSIBLE CEILING AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING. REFER TO PLANS FOR LOCATIONS.
- AC. "CALL BEFORE YOU DIG" REQUIREMENTS ON THE PLUMBING DRAWINGS SHALL APPLY TO HVAC RELATED PIPING SYSTEM.
- AD. DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING 10 FEET IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. FLEXIBLE AND OTHER FACTORY MADE DUCTS SHALL BE SUPPORTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- AE. GUARDS SHALL BE PROVIDED WHERE EQUIPMENT THAT REQUIRE SERVICE ARE LOCATED WITHIN 72" OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30" ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30" BEYOND EACH END OF SUCH APPLIANCE, EQUIPMENT, FAN OR COMPONENT AND THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42" ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21" SPHERE.
- AF. PACKAGED AIR CONDITIONING EQUIPMENT (ACU'S) INSTALLED ON THE ROOF SHALL BE PROVIDED WITH FACTORY CURB. INSTALLATION OF CURB TO FOLLOW MANUFACTURERS GUIDELINES AND SHALL ALSO INCLUDE: 10" (MIN) OF KRAFT-FACED THERMAL BATT INSULATION PLACED INSIDE CURB BETWEEN THE UNIT & ROOF, AND PROVIDE BETWEEN FACTORY CURB & ROOF WITH 23/32" TREATED OSB SHEATHING FOR SOUND ATTENUATION.
- AG. ALL WORK SHALL BE IN ACCORDANCE WITH: INTERNATIONAL BUILDING CODE (IBC 2015) NM PLUMBING CODE WITH UNIFORM PLUMBING CODE (UPC 2015) NM MECHANICAL CODE WITH UNIFORM MECHANICAL CODE (UMC 2015) INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2009) INTERNATIONAL FUEL GAS CODE (IFGC 2009) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI 2003) NFPA 101 LIFE SAFETY CODE (2000)

DOCUMENT GENERAL NOTES:

- 1. DRAWINGS ARE DIAGRAMMATIC. THEY ARE TO BE USED AS A GENERAL GUIDE AND ARE NOT INTENDED TO BE SPECIFIC INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL CONSTRUCT ACCORDING TO CODE AND/OR MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 2. DRAWINGS ARE BASED UPON ORIGINAL BUILDING PLANS AND/OR FIELD OBSERVATIONS. CONTRACTOR MUST FIELD VERIFY EXACT LOCATIONS AND ROUTING OF: PLUMBING & HVAC.
- CONTRACTOR SHALL EXPECT TO MAKE SOME ROUTING ADJUSTMENTS DURING THE COURSE OF CONSTRUCTION. COORDINATE CHANGES WITH ARCHITECT AND KEEP RECORD OF CHANGES FOR FUTURE USE.

GENERAL NOTES:

- IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE ITEMS ON THESE PLANS WITH ANY/ALL SUB-CONTRACTORS. ITEMS LISTED ON PLANS SHALL BE PROVIDED & INSTALLED BY GENERAL CONTRACTOR AND/OR SUBCONTRACTOR. ITEMS LISTED AS "BY OTHERS" DOES NOT MEAN BY OWNER.
- CONTRACTOR FAILURE TO NOT FOLLOW ALL LISTED NOTES AND/OR MEET THE REQUIREMENTS OF CODE REQUIREMENTS AND/OR MANUFACTURERS INSTALLATION GUIDELINES CAN AND MAY RESULT IN ADDITIONAL FEES/SURCHARGES TO THE CONTRACTOR(S) BY/TO OWNER-ARCHITECT-ENGINEER. IF CONTRACTOR(S) HAVE ANY QUESTIONS AND/OR VALUE ENGINEERING ITEMS THAT WOULD LIKE TO BE INCORPORATED INTO PLANS, SUCH ITEMS SHALL BE FORWARDED TO ARCHITECT FOR REVIEW AND ARE REQUIRED TO BE ISSUED PRIOR TO ANY BIDDING OR PRICE-QUOTE DEADLINES. ANY DISCREPANCIES AFTER AWARD/DURING CONSTRUCTION WILL RESULT THAT THE CONTRACTOR FOLLOW THE MORE STRINGENT INSTALLATION METHOD AND/OR MATERIAL TYPES AND SIZES, ETC., ETC.

	HVAC SYME	30L LI	EGEND
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[[]]	OUTDOOR HVAC EQUIPMENT		SUPPLY AIR DUCT UP.
	INDOOR MOUNTED HVAC EQUIPMENT		RETURN OR EXHAUST DUCT UP.
	CEILING MOUNTED EXHAUST FAN	L× L	SUPPLY DUCT DOWN.
	ROOF MOUNTED EXHAUST FAN.		RETURN OR EXHAUST DUCT DOWN.
─ VD	VOLUME DAMPER	—	SIDEWALL SUPPLY AIR OUTLET
MD	MOTORIZIED DAMPER		SIDEWALL RETURN OR EXHAUST AIR OUTLET
── FDR *SC	FIRE DAMPER. SYSTEM CONTROLLER		CEILING DIFFUSER WITH FLEXIBLE DUCT
*OBD *BD	OPPOSED BLADE DAMPER BACKDRAFT DAMPER		CEILING RETURN OR EXHAUST GRILLE.
① ©	THERMOSTAT. CONTROL SWITCH.		LONG RADIUS ELBOW WITH OUT VANES.
	FLEXIBLE DUCTWORK.	•	NEW TO EXISTING CONNECTION
	RIGID DUCTWORK.	1	KEYED NOTES
	DUCT TRANSITION.	⟨ACU−1⟩	EQUIPMENT DESIGNATION
× ×	TO BE COMPLETELY REMOVED	A.F.F. AD	ABOVE FINISH FLOOR ACCESS DOOR

									RO	OF T	ΓOF	PAI	R C	<u>ON</u>	DIT	<u>ION</u>	ING		JIT :	SCH	<u>HED</u>	ULE				*BID LOT #2
ANUFACTURER ND MODEL NO.	CONFIGURATION	CFM	ESP	WGHT. LBS.	NOMINAL TONS	REFG.	MIN O.A. CFM	ELEV. IN FT.			COIL E	NT. AIR	COIL LVG. AIR db°F	AMB db ° F	EER @AHRI	INPUT MBH				FUEL	FAN HP		i	VOLTS	PHASE	REMARKS
ORK CG4B481002X2	DOWNFLOW	1,600	0.5"	455	4	410A	300	5,895	48	34	80	67	60	96	14	50	36	70	95	LP	3/4	34.4	50	240	1	PROVIDE WITH 14" FACTORY ROOF CURB, LOUVERED HAIL GUARD, MERV-8 FILTERS, ELECTRICAL DISCONNECT OR CIRCUIT BREAKER, UNPOWERED CONVENIENCE OUTLET, AUXILIARY CONDENSATE SAFETY SWITCH INSTALLED
ORK CG4A360752X2	DOWNFLOW	1,400	0.5"	382	3	410A	240	5,895	36	25	80	67	60	96	14	50	36	70	95	LP	1/2	26.0	40	240	1	IN DRAIN PAN & WIRED TO TSTAT CIRCUIT, PROPANE KIT. PROVIDE ALL UNITS WITH A 0-50% OUTSIDE AIR DAMPER WITH HOOD WITH
																										ADJUSTABLE MINIMUM O.A. POSITION SETTING.
OF CC	RK G4B481002X2	RK G4B481002X2 DOWNFLOW	RK G4B481002X2 DOWNFLOW 1,600	RK 64B481002X2 DOWNFLOW 1,600 0.5"	RK DOWNFLOW 1,600 0.5" 455	RK DOWNFLOW 1,600 0.5" 455 4	RK 54B481002X2 DOWNFLOW 1,600 0.5" 455 4 410A	CFM RK G4B481002X2 DOWNFLOW 1,600 0.5" 455 4 410A 300 RK RK DOWNFLOW 1,400 0.5" 382 3 410A 240	CFM IN F1. CK	O MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. O.A. CFM IN FT. TOTAL RK G4B481002X2 DOWNFLOW 1,600 0.5" 455 4 410A 300 5,895 48 RK DOWNFLOW 1,400 0.5" 382 3 410A 340 5,895 36	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. O.A. CFM IN FT. TOTAL SENS	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F CFM C	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. O.A. CFM IN FT. TOTAL SENS db°F wb°F Wb°F CFM CFM	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. C.A. IN FT. TOTAL SENS db*F wb*F db*F RK G4B481002X2 DOWNFLOW 1,600 0.5" 455 4 410A 300 5,895 48 34 80 67 60 60	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db'F wb'F db'F db'F	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db'F wb'F db'F db'F @AHRI	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F @AHRI INPUT MBH M	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F @AHRI INPUT MBH M	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db'F wbF db'F db'F db'F MBH MBH	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F db*F	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F db*F @AHRI INPUT OUTPUT ENT. AIR LVG. AIR FUEL AIR CFM AIR CF	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F db*F	CONFIGURATION CFM ESP MSH. TONS REFG. O.A. CFM IN FT. TOTAL SENS db'f wb'f db'f db'f db'f MBH MB	MODEL NO. CONFIGURATION CFM ESP LBS. TONS REFG. CFM IN FT. TOTAL SENS db*F wb*F db*F db*F db*F db*F db*F db*F db*F GAHRI INPUT MBH M	CONFIGURATION CFM ESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F db'F GHARD MBH GB'F GB'F FUEL FAN HP MCA MOP VOLTS OF MODEL NO. CONFIGURATION CFM ESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F db'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS db'F wb'F db'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS BRIN GB'F WB'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HESP WGHT. TONS REFG. O.A. IN FT. TOTAL SENS BRIN GB'F WB'F GBHRI INPUT OUTPUT ENT. AIR LVG. AIR HELL FAN HP MCA MOP VOLTS OF MODEL NO. CFM HELL FAN HP MCA	CONFIGURATION CFM ESP LBS. TONS REFG. O.A. CFM IN FT. TOTAL SENS db'F wb'F db'F db'F GAB481002X2 DOWNFLOW 1,600 0.5" 455 4 410A 300 5,895 48 34 80 67 60 96 14 50 36 70 95 LP 3/4 34.4 50 240 1 64.360752X2 DOWNFLOW 1,400 0.5" 382 3 410A 240 5,895 36 25 80 67 60 96 14 50 36 70 95 LP 1/2 26.0 40 240 1

					DI	UCT	ΓLE	SS	SF	PLIT	SY	ST	EM	SC	HE	DUI	_E	*BID LOT #2
	OUTDOOR CONDENSING UNIT SCHEDULE																	
MARK	AND MODEL NO. THE TONS KERK. SEEN MBH db'F wb'F MBH db'F wb'F MBH db'F wb'F MBH db'F wb'F MBH																	
SS-1	MITSUBISHI MUZ-FH12NAH	HEAT PUMP	1	R410A	20	12	105	67	10	13	47	44	11	15	208	1	07	PROVIDE REFRIGERANT PIPING, CONDENSER HAIL GUARD, SUPPORT/STAND.
							II.	NDOOI	R E	VAPOR	RATO	R UN	IT SC	CHEDU	JLE			
MARK	MARK MANUFACTURER AND MODEL NO. TYPE CFM COOLING CAP. COIL ENT. AIR HEATING CAP. COIL ENT. AIR HEATING CAP. COIL ENT. AIR COIL LEV. AIR ELECTRICAL WGHT. (Ibs) REMARKS																	
SS-1	MITSUBISHI PCFY-P15NKMU-E	CEILING	424		15	80	64	17		70)	90	0	1.0	208	1	53	PROVIDE CONDENSATE PUMP, CONTROLLER, WIRELESS ROOM SENSOR.

			EXH	HAL	JST	FAI	V S	CHE	DULE *BID LOT #4
MARK	MANUFACTURER	CFM	ESP	SONES	UNIT WEIGHT		MOTOR		REMARKS
	MODEL NO.	J		33.120	LBS.	WATTS	VOLTS	PHASE	
EF-1	GREENHECK CSP-A390	300	3/8"	3.0	24	126	120	1	INLINE FAN, INTAKE/DISCHARGE DUCT COLLARS, ADJUSTABLE MOUNTING BRACKETS. PROVIDE WITH DUAL (MEN/WOMAN) OCCUPANCY SWITCHES
EF-2	GREENHECK SP-B110	90	3/8"	3.5	14	150	120	1	ALUMINUM GRILLE, OUTLET DUCT COLLAR, BACKDRAFT DAMPER, ADJUSTABLE MOUNTING BRACKETS. PROVIDE WITH PILOT SWITCH ON WALL.

	1	DIFF	
MARK	MANUFACTURER MODEL NUMBER	DESCRIPTION	REMARKS
S1	PRICE 22DAL	SUPPLY	DOUBLE DEFLECTION GRILLE, ALUMINUM CONSTRUCTION, SURFACE MOUNT FLANGE WITH FOAM GASKET, AIR SCOOP.
S2	PRICE ASCD	SUPPLY	STAMPED FACE 4-WAY, ALUMINUM CONSTRUCTION. LAY-IN MODULE FRAME. ROUND NECK. STANDARD WHITE BAKED ENAMEL FINISH. PROVIDE WITH OPPOSED BLADE DAMPER.
S3	PRICE RCD		ROUND 3-CONE ADJUSTABLE, SURFACE MOUNT, ALUMINUM FRAME, ROUND DUCT CONNECTION COLLAR, WHITE COLOR, OBD.
R1	PRICE 80FR	RETURN	FILTER GRILLE, 24"x24" BORDER, 24"x 24" FACE OPENING, SURFACE MOUNT, 1/4 TURN HINGED ALUMINUM FRAME, 1/2"x 1/2"x 1/2" GRID, ROUND DUCT CONNECTION COLLAR, WHITE COLOR.
E1	PRICE 80	EXHAUST	EGGCRATE GRILLE, 24"x24" BORDER, 24"x 24" FACE OPENING, LAY-IN MODULE, ALUMINUM FRAME, 1/2"x 1/2"x 1/2" GRID, DUCT CONNECTION COLLAR, WHITE COLOR.

RBM ENGINEERING INC. **REFER TO SHEET G-001** LAS CRUCES, NM 88005 (575) 647-1554 FOR BID LOT DESCRIPTIONS FAX (575) 647-1563

RMIN/

OUNT

ASA PROJECT NO .: PROJECT NO: RBM DRAWN BY: RBM

HVAC

CHECKED BY:

SHEET TITLE:

1065 S. MAIN ST. BLDG D STE. A SHEET NO:

M-001

SCHEDULES,

NOTES & LEGEND

- 1) INSTALL NEW PACKAGED ROOFTOP AC OVER PREVIOUS EVAP COOLER OPENING. ENLARGE ROOF OPENING AS REQUIRED TO FIT NEW SUPPLY & RETURN DUCT DROPS. EXTEND NEW SUPPLY DUCT EXPOSED WITHIN SPACE. REPAIR ROOF OPENING AS REQUIRED TO SEAL WATERTIGHT.
- 2 INSTALL NEW DUCTLESS SPLIT SYSTEM. MOUNT INDOOR BELOW CEILING UNIT HIGH ON WALL AND OUTDOOR UNIT ON ROOF ON FIELD FABRICATED ROOF CURB. FOLLOW MINI-SPLIT MANUFACTURER INSTALLATION INSTRUCTIONS AND SECURE OUTDOOR UNIT/CURB TO
- 3 INSTALL NEW CEILING EXHAUST FAN, EXTEND DISCHARGE DUCT UP THRU EXISTING ROOF PENETRATION AND TERMINATE ABOVE ROOF WITH GOOSENECK & BIRDSCREEN. (BID LOT #4)
- 4) INSTALL NEW ABOVE CEILING EXHAUST FAN, EXTEND INTAKE DUCT OVER TO NEW CEILING GRILLES. EXTEND DISCHARGE DUCT UP THRU EXISTING ROOF PENETRATION AND TERMINATE ABOVE ROOF WITH GOOSENECK & BIRDSCREEN. ENLARGE ROOF OPENING AS REQUIRED



RMINA Ш

ASA PROJECT NO. RBM

PROJECT NO: RBM CHECKED BY:

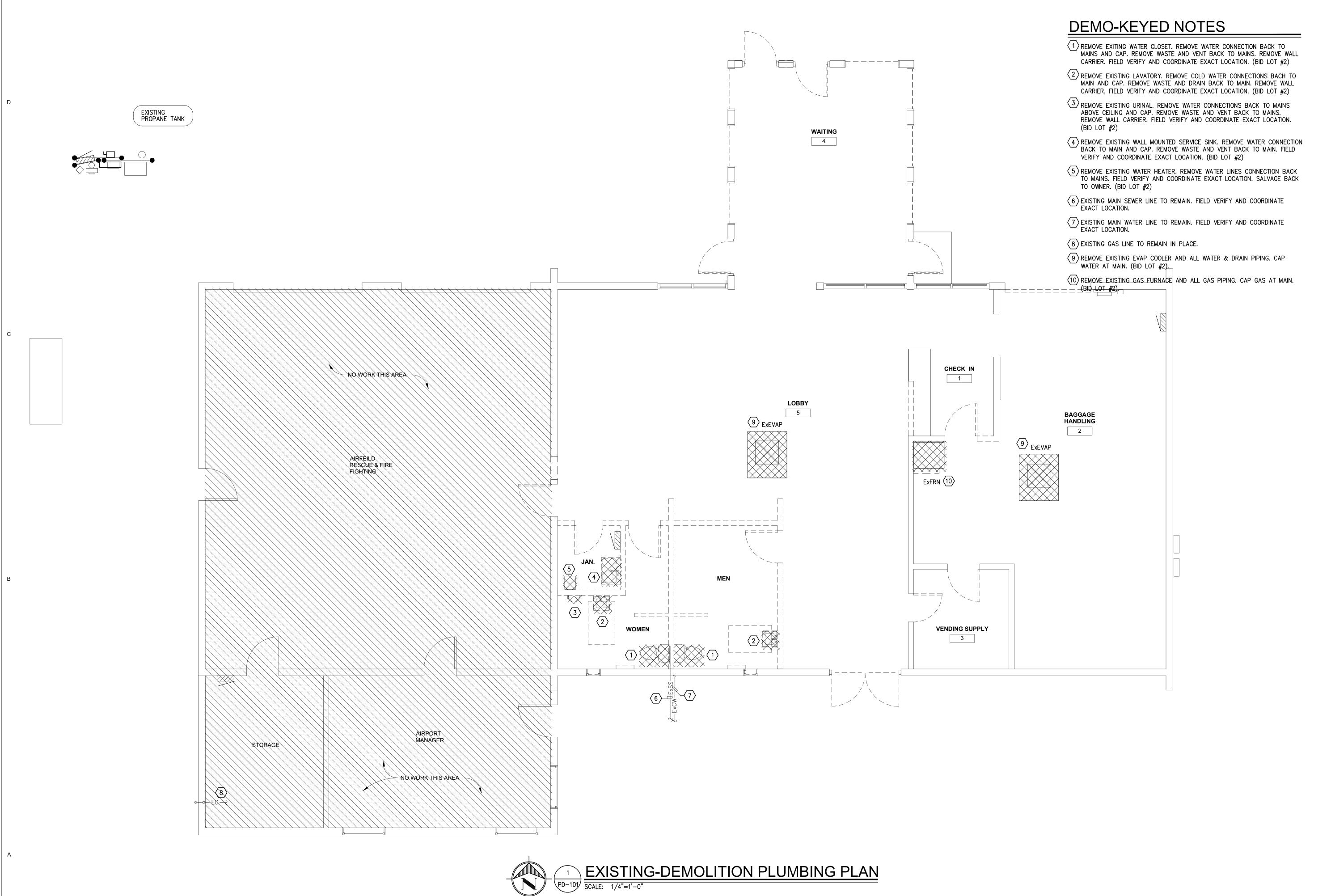
HVAC NEW

WORK PLAN

M-101

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS





OF THE MEXICO OF THE SEP STATE OF THE SE

JNTY AIRPORT TERMINAL

ANT COUNTY,
AIRPORT ROAD

ARK DATE DESCRIPTION TO SUE: JULY 3, 2019

ASA PROJECT NO.:
PROJECT NO: 19
DRAWN BY:

PROJECT NO: 19104L

DRAWN BY: RBM

CHECKED BY: RBM

SHEET TITLE:

EXIST.-DEMO. PLUMBING PLAN

RBM ENGINEERING INC.
1065 S. MAIN ST. BLDG D STE. A
LAS CRUCES, NM 88005
(575) 647-1554
FAX (575) 647-1563
rbm@rbm.cc

PD-101

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS

١	PR	OJE	CT N	10.:			
	JEC	TN	O :			19	910
١	WN	BY:					RE

CHECKED BY

PLUMBING NOTES & LEGEND

STRUCTURAL MEMBERS PRIOR TO INSTALLATION. IN ALL CASES, ADEQUATE ACCESS (PER MANUFACTURER'S RECOMMENDATIONS AND CODE COMPLIANCE) FOR MAINTENANCE AND REPLACEMENT OF EQUIPMENT SHALL BE

ALL SERVICE CONNECTIONS FOR HVAC EQUIPMENT SHALL BE COORDINATED IN FIELD WITH MECHANICAL DRAWINGS & CONTRACTOR. UNLESS WRITTEN APPROVAL FROM ARCHITECT/ENGINEER IS GIVEN HVAC UNITS SHALL BE ORIENTATED PER MECHANICAL DRAWINGS.

NEW AND/OR EXISTING EQUIPMENT INDICATED ON THIS DRAWING IS SHOWN IN APPROXIMATE POSITION(S).

CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS INCLUDING EQUIPMENT LOCATIONS, P.O.C.'S AND

WHERE STRUCTURE IS ALTERED OR DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE AREA TO MATCH SURROUNDING AREA PER ARCHITECTURAL SPECIFICATIONS.

PROVIDE AND INSTALL SLEEVES AND FIRE SEAL FOR ALL PIPE PENETRATIONS THROUGH FIRE AND SMOKE WALLS. SEE SPECIFICATIONS AND/OR SCHEMATICS.

ALL DISSIMILAR METALLIC PIPING AND ACCESSORIES SHALL BE SEPARATED WITH DIELECTRIC FITTINGS AND 10 MIL POLY TAPE.

CONTRACTOR SHALL PROVIDE ACCESS DOORS (MIN. 18"X18") FOR ALL CONTROLS, MAINTENANCE ITEMS, AND VALVES BEHIND RIGID WALL OR CEILING MATERIALS. CONTRACTOR TO COORDINATE WITH ARCHITECT PRIOR TO PLACEMENT/INSTALLATION - ACCESS DOORS TO BE INSTALLED IN INCONSPICUOUS AREAS WHENEVER

ALL PIPING SHALL BE SUPPORTED APPROPRIATELY IN WALLS, CEILING, AND BELOW FLOORS. SEE SPECIFICATIONS AND/OR SCHEMATICS FOR DETAILS.

CONTRACTOR IS TO VERIFY THAT FALL OF THE SEWER LINE WILL MEET INVERT AT POINT OF CONNECTION BEFORE INSTALLING PIPING.

ALL EXPOSED GAS LINE SHALL BE PAINTED, OHSA YELLOW. VERTICAL GAS RISERS SHALL BE PAINTED TO MATCH BUILDING EXTERIOR.

10. ALL WORK SHALL BE IN ACCORDANCE WITH: INTERNATIONAL BUILDING CODE (IBC 2015) NM PLUMBING CODE WITH UNIFORM PLUMBING CODE (UPC 2015) NM MECHANICAL CODE WITH UNIFORM MECHANICAL CODE (UMC 2015) INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2009) INTERNATIONAL FUEL GAS CODE (IFGC 2009) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI 2003) NFPA 101 LIFE SAFETY CODE (2000)

DOCUMENT GENERAL NOTES:

- A. DRAWINGS ARE DIAGRAMMATIC. THEY ARE TO BE USED AS A GENERAL GUIDE AND ARE NOT INTENDED TO BE SPECIFIC INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL CONSTRUCT ACCORDING TO CODE AND/OR MANUFACTURERS INSTALLATION INSTRUCTIONS.
- DRAWINGS ARE BASED UPON ORIGINAL BUILDING PLANS AND/OR FIELD OBSERVATIONS. CONTRACTOR MUST FIELD VERIFY EXACT LOCATIONS AND ROUTING OF: SEWER, GAS, AND WATER LINES.
- CONTRACTOR SHALL EXPECT TO MAKE SOME ROUTING ADJUSTMENTS DURING THE COURSE OF CONSTRUCTION. COORDINATE CHANGES WITH ARCHITECT AND KEEP RECORD OF CHANGES FOR FUTURE USE.

GENERAL NOTES:

- IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE ITEMS ON THESE PLANS WITH ANY/ALL SUB-CONTRACTORS. ITEMS LISTED ON PLANS SHALL BE PROVIDED & INSTALLED BY GENERAL CONTRACTOR AND/OR SUBCONTRACTOR. ITEMS LISTED AS "BY OTHERS" DOES NOT MEAN BY OWNER.
- CONTRACTOR FAILURE TO NOT FOLLOW ALL LISTED NOTES AND/OR MEET THE REQUIREMENTS OF CODE REQUIREMENTS AND/OR MANUFACTURERS INSTALLATION GUIDELINES CAN AND MAY RESULT IN ADDITIONAL FEES/SURCHARGES TO THE CONTRACTOR(S) BY/TO OWNER-ARCHITECT-ENGINEER. IF CONTRACTOR(S) HAVE ANY QUESTIONS AND/OR VALUE ENGINEERING ITEMS THAT WOULD LIKE TO BE INCORPORATED INTO PLANS, SUCH ITEMS SHALL BE FORWARDED TO ARCHITECT FOR REVIEW AND ARE REQUIRED TO BE ISSUED PRIOR TO ANY BIDDING OR PRICE-QUOTE DEADLINES. ANY DISCREPANCIES AFTER AWARD/DURING CONSTRUCTION WILL RESULT THAT THE CONTRACTOR FOLLOW THE MORE STRINGENT INSTALLATION METHOD AND/OR MATERIAL TYPES AND SIZES, ETC., ETC.

Project Name:	GRANT C	OUNTY	'AIRPO	RT	
Date Calculated:	5/6/2019				
Was	te Drain Main Sizi	ng			
TOTAL FIXTURE UNITS:	25	FIXTURE L	JNITS		
SEWER SERVICE SLOPE	0.1250	INCHES/F	OOT		
SEWER SERVICE ENTRY SIZE:	3.00	INCHES (N	ЛIN. 3")		
Wate	er Entry Main Sizi	ng			
TOTAL FIXTURE UNITS:	31.75	FIXTURE L	JNITS		
PREDOMINATE FIXTURE TYPE:	TANK	FLUSH OF	R TANK TYP	PE	
EXPECTED WATER FLOW RATE:	20.90	APPROXIN	MATE GPM		
WATER ENTRY SIZE:	1-1/4	INCHES			
ESTIMATED WATER METER SIZE	3/4	INCHES			
		WFU	Total	DFU	Total
Fixture	Qty.	Each	WFU	Each	DFU
Totals =	12		31.75		25.00
Lavatory / Hand Sink	4	2.0	8.00	1.00	4.00
Service Sink	1	3.0	3.00	2.00	2.00
Items Requiring Only Cold Water:					
Water Closet - tank public	3	5.0	15.00	4.00	12.00
Urinal - valve 3/4" low flow	1	5.0	5.00	2.00	2.00
Drinking Fountain / EWC	1	0.3	0.25	1.00	1.00
Floor Drain w/ Trap Primer	2	0.3	0.50	2.00	4.00

Site Elev*: = 5895 FT		Equivalent	
Total Run Length (ft.)** = 110		CFH	
Yard line I.D.	BTUH input	Nat. Gas	
ACU-1	50,000	50	
ACU-2	50,000	50	
Totals =	100,000	100	

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS



RBM ENGINEERING INC. LAS CRUCES, NM 88005 (575) 647-1554 FAX (575) 647-1563

1065 S. MAIN ST. BLDG D STE. A SHEET NO:

P-001

PLUMBING GENERAL NOTES: PLUMBING FIXTURE SCHEDULE ADA FLOOR MOUNTED FLOOR OUTLET TANK TYPE GRAVITY FLUSH WATER CLOSET KOHLER K-3658 OR EQUAL SEAT - KOHLER K-5588 OR EQUAL ELONGATED CHINA BOWL, BOTTOM OUTLET, 1.28 GALLON PER FLUSH, 16-1/2" TO RIM TOP, EXTRA HEAVY DUTY FRONT WHITE SEAT. FLUSH LEVER ON RIGHT WHERE REQUIRED. FLOOR MOUNTED FLOOR OUTLET TANK TYPE GRAVITY FLUSH WATER CLOSET KOHLER K-3948 OR EQUAL SEAT - KOHLER K-5588 OR EQUAL WC-2 ELONGATED CHINA BOWL, BOTTOM OUTLET, 1.28 GALLON PER FLUSH, 14-1/2" TO RIM TOP, EXTRA HEAVY DUTY FRONT WHITE SEAT. FLUSH LEVER ON RIGHT WHERE REQUIRED. VALVE: ZURN Z-6003AV-ULF-1 W/ TPE CHEMICAL RESISTANT DIAPHRAGM AMER. STD 6590.503 CARRIER-ZURN Z-1221 TAPERED ELONGATED CHINA BOWL, 0.125 GALLON PER FLUSH, RIM 14" FROM WALL, EXTENDED SIDES, 3/4" TOP SPUD, VANDAL RESISTANT STOP CAP. MOUNT ADA COMPLIANT URINAL'S RIM HEIGHT REFER TO ARCH FOR MOUNTING HEIGHTS KOHLER K-2196-4 OR EQUAL FAUCET - WATTS P1070 | 1/2" | 1-1/2" | 1-1/2" | ADA COUNTER TOP MOUNTED LAVATORY WITH ASSE 1070 SINGLE LEVER FAUCET VITREOUS CHINA, NOMINAL 20"X17" SELF RIMMING, FRONT OVERFLOW, RECESSED FAUCET LEDGE, ADA COMPLAINT LEVER HANDLES, ADA DRAIN - KOHLER K-7129 COMPLIANT CENTERSET FAUCET WITH HOLES ON 4" CENTERS, WASHERLESS, DRAIN OUTLET WITH GRID STRAINER. CAST BRASS ASSE 1070 FAUCET FLOOR MOUNTED MOLDED STONE CORNER STYLE SERVICE SINK FIAT TSBC 6000 FAUCET- JONESPEC SF, STERNS WILLIAM T-10-VB STERN WILLIAMS SBC1400 MOP HANGER- JONESPEC MH, STERNS WILLIAM T-40 3/4" MSB 3" | 24"X24"X12" WITH WALL MOUNTED FAUCET WITH VACUUM BREAKER, TOP BRACE, INTEGRAL STOPS, HOSE THREADED SPOUT. PROVIDE 3" HOSE BRACKET- JONESPEC HH, STERNS WILLIAM T-35 DRAIN OUTLET WITH DOME STRAINER, MOP HANGER, HOSE/BRACKET COMBINATION. ASSE 1070 FAUCET ZURN ZN-415B-Y-P PROVIDE "SURE SEAL" TRAP GUARD 6" ROUND ADJUSTABLE POLISHED NICKEL BRONZE STRAINER, CAST IRON BODY, SEDIMENT BUCKET, AND ADJUSTABLE FLASHING COLLAR, TRAP GUARD. ZURN Z-1446-BP DWG'S NO-HUB CAST IRON CLEANOUT TEE WITH ROUND STAINLESS STEEL COVER AND CENTER SCREW, GASKETED SEAL IRON THREADED PLUG WITH RECESSED SOCKET. HALSEY TAYLOR HTVZ8SS CARRIER: ZURN Z-1225 ADA SINGLE LEVEL WATER COOLER, RECTANGULAR-SLIM PROFILE EXPOSED EWC NO LEAD, INLINE FILTER, SINGLE COMPRESSOR, TWO TONE GRAY (PUTTY) FINISH CAPACITY OF 7.6 GPH 50 DEG. F COOLING AT 90 DEG AIR TEMPERATURE. CONCEALED ARM CARRIER, POWER-360 WATTS, 4.5 AMPS @ 120/60/1 VOLTS WITH THREE PRONG OUTLET. ZURN ZN-1400-BP FC0 SEE CAST IRON BODY WITH SQUARE ADJUSTABLE SCORIATED NICKEL BRONZE TOP, GASKET SEAL BRASS THREADED DWG'S PLUG WITH RECESSED SOCKET.

MANUFACTURERS WITH MODEL NUMBERS ARE BASE ITEMS. OTHER MANUFACTURERS LISTED ARE EQUIVALENT MANUFACTURERS.

2. FOR MOUNTING HEIGHTS OF INDIVIDUAL WALL-MOUNTED FIXTURES, REFER TO ARCHITECTURAL ELEVATION DRAWINGS.

3. EACH UNDERSLAB OR CONCEALED P-TRAP SHALL BE A DEEP-SEAL TYPE

4. PROVIDE EACH WALL MOUNTED PLUMBING FIXTURE, SUCH AS SINKS, LAVATORIES, ELECTRIC WATER COOLERS, DRINKING FOUNTAINS, ETC., WITH A FLOOR MOUNTED FIXTURE SUPPORT CARRIER WITH RECTANGULAR LEGS.

5. UNLESS SCHEDULED OTHERWISE, PROVIDE EACH LAVATORY, SINK, WATER COOLER, ETC. WITH A P-TRAP ASSEMBLY CONSISTING OF A CHROME-PLATED (C.P.) CAST BRASS TRAP WITH CLEANOUT PLUG, CHROME PLATED TUBING OUTLET (MIN. 18 GA.), AND CHROME PLATED CAST BRASS ESCUTCHEON WITH SETSCREW.

6. PROVIDE EACH FIXTURE WHICH REQUIRES COLD AND/OR HOT WATER (EXCEPT FLUSH VALVES) WITH A SUPPLY/STOP ASSEMBLY CONSISTING OF A C.P. BRASS STOP VALVE (MIN. 1/2") WITH LOOSE KEY HANDLE AND LOCK SHIELD, STAINLESS STEEL FLEXIBLE RISER, C.P. BRASS NIPPLE, AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW. '. FOR EACH PUBLIC LAVATORY OR SINK WITH EXPOSED DRAIN AND BOTH COLD AND HOT SUPPLY COMPONENTS, PROVIDE A MANUFACTURED INSULATION KIT MADE FROM MOLDED CLOSED CELL VINYL THAT IS 'ANTI-MICROBIAL, FORM FITTING, AND SEAMLESS. EACH KIT

SHALL COVER THE TAILPIECE, P-TRAP, WALL BEND, BOTH WATER SUPPLY STOPS, AND BOTH WATER RISERS. KITS SHALL BE EQUAL OR EQUIVALENT TO "PROWRAP" 'BY McGUIRE OR LAV-GUARD BY TRUEBRO. 8. ALL FAUCETS, WATER COOLERS, AND DRINKING FOUNTAINS SHALL BE TO NSF 61 AND LISTED WITH NSF.

9. PROVIDE ACCESS DOORS FOR ANY CONCEALED VALVES, SHOCK ABSORBERS, AIR GAP FITTINGS AND ANY OTHER CONCEALED FIXTURES THAT REQUIRED MAINTENANCE. COORDINATE THESE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. 10. MOUNTING LOCATIONS OF FLUSH VAVLES, FIXTURES, ACCESS DOORS, ETC? SHALL BE CAREFULLY COORDINATED WITH STRUCTURE, GRAB-BARS, CABINET WORK, ETC. TO ALLOW FOR PROPER ACCESSIBILITY AND MAINTENANCE.

11. WHERE ARCHITECTURAL PLANS SHOW WATER CLOSETS, PROVIDE AND INSTALL FLUSHING VALVE SUCH THAT FLUSH HANDLE IS ON WIDE SIDE OF WATER CLOSET, THAT IS, THE SIDE AWAY FROM THE ADJACENT WALL.

12. QUICK ACTING VALVES REQUIRE ARRESTOR, NO AIR CHAMBERS ALLOWED.

ELECTRIC WATER HEATER SCHEDULE QTY / KW MANUFACTURER & MODEL GALLONS GAL/HOUR 90 1 / 2.0 KW (SEE NOTE 1 A.O. SMITH DEL10 OR EQUAL

 KW RATINGS ARE AT 120 VOLTS, SINGLE PHASE. NON-SIMULTANEOUS ELEMENT OPERATION. FULL LOAD CURRENT IN AMPS CONNECTED TO 1-PHASE POWER: 9.6 (1-ELEMENT). WATER HEATER SHALL HAVE LONG LIFEINCALOY ELEMENTS, BRASS DRAÍN VALVE, GLASS LINED TANK,

THERMOSTAT, AND HIGH LIMIT. EACH WATER HEATER SHALL HAVE TANK INSULATION WITH A MINIMUM R-VALUE OF 20 AND SHALL MEET THE REQUIREMENTS OF 2009 ICC ENERGY CONSERVATION CODE. PROVIDE AND INSTALL EXPANSION TANK. TANK CAPACITY SHALL BE 4.0 GALLON. EXPANSION TANK

WATER HEATER SHALL HAVE A COMMERCIAL WARRANTY OF 3 YEARS ON THE TANK AND 1 YEAR ON

SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.

SEE ANODE NOTE. GENERAL PLUMBING NOTES.

—Excw— EXISTING WATER LINE NEW TO EXISTING CONNECTION -Exlpg--- Existing Liquefied Petroleum Gas BALL VALVE —Ю— ─ EXISTING SEWER LINE —ExSS— GRADE CLEANOUT GCO —ExCD—— EXISTING CONDENSATE DRAIN LINE WALL CLEANOUT - COLD WATER LINE CO CLEANOUT HOT WATER LINE EQUIPMENT DESIGNATION SEWER LINE —ss— PIPE ELBOW DOWN LIQUEFIED PETROLEUM GAS PIPE TEE

SYMBOL DESCRIPTION

PLUMBING SYMBOL LEGEND

SYMBOL

DESCRIPTION

	MINIMUM PIPE	MATERIAL SCHEDULE	
SERVICE TYPE	LOCATION	MATERIAL REQUIRED	COMMENTS
SANITARY WASTE & VENT	BELOW GRADE	SOLID CORE SCHEDULE 40 PVC W/ SOLVENT WELDED JOINTS	SEE MATERIAL SUBSTITUTION NOTES
	ABOVE GRADE	SCHEDULE 40 PVC W/ SOLVENT WELDED JOINTS, CAST IRON	SEE MATERIAL SUBSTITUTION NOTES
DOMESTIC WATER FOR	BELOW GRADE INSIDE BUILDING FOOTPRINT	COPPER TUBING TYPE "K" SOFT DRAWN	NO JOINTS BELOW SLAB
COLD AND HOT	ABOVE GRADE/SLAB WITHIN BUILDING	COPPER TYPE "L" HARD DRAWN	NO CONTRO BELOW CENTS
NATURAL GAS	ABOVE GRADE AND/OR WITHIN BUILDING	BLACK STEEL SCHEDULE 40	
	WITHIN BUILDING SHELL ONLY	FLEXIBLE CORRUGATED STAINLESS STEEL W/ POLYPROPYLENE SHELL	SEE MATERIAL SUBSTITUTION NOTES
CONDENSATE DRAIN	THROUGH OUT SYSTEM	SOLID CORE SHEDULE 40 PVC	SIMILAR TO WATER APPLICATIONS
PIPE MATERIAL SUBSTITU	TION NOTES:		

PVC: SOLID CORE SCH 40 PVC INSTALLED BELOW GRADE SHALL BE IN STRICT ACCORDANCE TO ASTM STANDARD "D2321-89". ALL PVC PIPING APPLIED TO WASTE/VENT APPLICATIONS SHALL BE SOLID WALL CONFORMING TO ASTM D2665 (NON-PRESSURE APPLICATIONS) OR SHALL BE C-900 FOR PRESSURE APPLICATIONS. NO PVC PIPING SHALL BE INSTALLED IN RETURN AIR PLENUM SPACES.

NO ASTM F891 CELLULAR CORE POLYVINYL CHLORIDE (PVC) PLASTIC PIPE SHALL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES

NSULATION REQUIREMENTS:

- COLD WATER: 1"

- CONDENSATE WITHIN BUILDING SHELL: 1/2"

 3 - DOMESTIC HOT WATER SUPPLY & RETURN UP TO AND INCLUDING 1-1/2 DIA.: 1"

- DOMESTIC HOT WATER SUPPLY & RETURN OVER 1-1/2" DIA.: 2"

ALL MATERIAL SHALL BE RATED AT 0.24 BTUH / INCH / SQ.FT./ DEG. F TO MEET OR EXCEED ENERGY CONSERVATION CODE. APPROVED INSULATION MATERIALS SHALL BE: SLEEVED FIBERGLASS MATERIAL SEALED VAPOR TIGHT IN ACCORDANCE TO APPROVED INDUSTRY STANDARDS AND PRACTICES. SEE SHALL SUPERSEDE THIS SCHEDULE WHERE SPECIFICATIONS CALL FOR GREATER INSULATION MATERIALS AND/OR INSTALLATION METHODS. CLOSED CELLULAR FOAM MATERIAL, IF USED, SHALL BE RATED FOR 260°F MINIMUM. PVC SHALL BE WRAPPED IN PLENUM RATED MATERIAL WHERE ALLOWED. ALL INSULATION EXPOSED TO WEATHER SHALL BE ALUMINUM SHROUDED AND SEALED WEATHER TIGHT.

WITHIN PAN. MOUNT MOP SINK NOT LESS THAN 18" ABOVE FLOOR. WATER HEATER SCHEMATIC P-001 SCALE: NONE REDUCER TO UNIT CONNECTION SIZE -UNION ROOF TOP

-ADDITIONAL ROOF MEMBRANE PAD 10" WIDE

PIPE SUPPORT ON ROOF

WATER HEATER

UNIT ON STAND

-ROLLER TYPE SUPPORT ON

MAPA SERIES "MS"

BASEPLATE; MIRO SERIES "RAH",

-ROOF MEMBRANE SEE

ARCHITECTURAL PLANS

**BOTTOM FED WATER HEATERS AND BOTTOM FED

TANKS CONNECTED TO WATER HEATERS SHALL HAVE A

VACUUM RELIEF VALVE INSTALLED. VALVE SHALL COMPLY

 $extcolor{-}\mathsf{HOT}$ water outlet

-PRESSURE RELIEF

VALVE DRAIN TO

-BALL VALVE (TYP.)

FLOOR SINK

OR EXTERIOR -WELDED SHORT

COUPLER

MANUAL DRAIN TO

PAN DRAIN TO

A.C. UNIT

PROOFING

FLOOR OR

FLOOR OR MOP SINK

→ DIELECTRIC UNION (TYP.)

B-LINE SERIES "B3119SL", or

ON ALL SIDES OF SUPPORT JOINED TO

ROOF MEMBRANE PER MANUFACTURER'S

DIRECTION

NOTE: SPACE SUPPORTS EVERY 6'-0"

ON BOTH SIDES OF JOINT

\P-001/ SCALE: NONE

SCHEMATIC

THERMAL -

EXPANSION TANK

COLD WATER-

INLET

CHECK VALVE

12 GA. SHEET

METAL DRIP PAN-

"MIRO" SERIES -

\P-001/

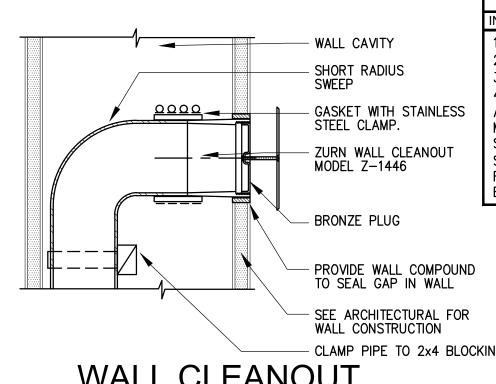
SCALE: NONE

4"DEPTH -

AND AT ALL CHANGES IN DIRECTION

DIRT LEG └ ROOF DECK SUPPORT 18"x18" CAREY - TRED PAD PLACED ON ROOF AFTER FELT AND WATER-PROOFING HAS BEEN APPLIED - NO GRAVEL UNDER PAD; OR, ROOF MEMBRANE MATCHING ROOF TYPE. **ROOF PIPE SUPPORT** & CONNECTION SCHEMATIC

- MINIMUM 6"



CLAMP PIPE TO 2x4 BLOCKING WALL CLEANOUT INSTALLATION SCHEMATIC \P-001*/* SCALE: NONE

KEYED NOTES

- 1 CONNECT NEW SEWER LINE TO EXISTING SEWER LINE. FIELD VERIFY AND COORDINATE EXACT LOCATION. CONTRACTOR TO VERIFY THAT FALL OF THE SEWER LINE MEET INVERT AT POINT OF CONNECTION BEFORE INSTALLING PIPING. (BID LOT #4)
- 2 CONNECT NEW COLD WATER LINE TO EXISTING COLD WATER LINE. FIELD VERIFY AND COORDINATE EXACT LOCATION. (BID LOT #4)
- 3 CONTRACTOR TO PROVIDE AND INSTALL A TRAP GUARD SEAL AT EACH FLOOR DRAIN. (BID LOT #4)
- 4) RUN CONDENSATE DRAIN LINE DOWN INSIDE WALL AND PENETRATE ABOVE SERVICE SINK WITH A 2" AIR GAP. FIELD COORDINATE. (BID LOT #2)
- (5) CONTRACTOR TO RUN CONDENSATE DRAIN LINE ON ROOF. (BID LOT #2)
- 6 CONNECT NEW LP GAS LINE TO EXISTING LP GAS LINE. FIELD VERIFY AND COORDINATE EXACT LOCATION. (BID LOT #2)
- 7) RUN LP GAS LINE ON ROOF. PROVIDE WITH MANUFACTURED "MIRO" PIPE SUPPORTS. (BID LOT #2)
- 8 EXTEND CONDENSATE DRAIN FROM INDOOR COIL/PUMP UP THRU CEILING AND RUN ABOVE ROOF. TERMINATE CD DRAIN LOW AT GRADE TO LANDSCAPE. (BID LOT #2)

FOR CONTINUATION SEE 1/P-101. 3/4"-P.O.C.
CONNECT LP GAS LINE
INTO EXISTING LP GAS
LINE

GAS LINE INSTALLATION SCHEMATIC

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS



(575) 647-1554 FAX (575) 647-1563

ERMINA

ASA PROJECT NO.:

RBM RBM CHECKED BY:

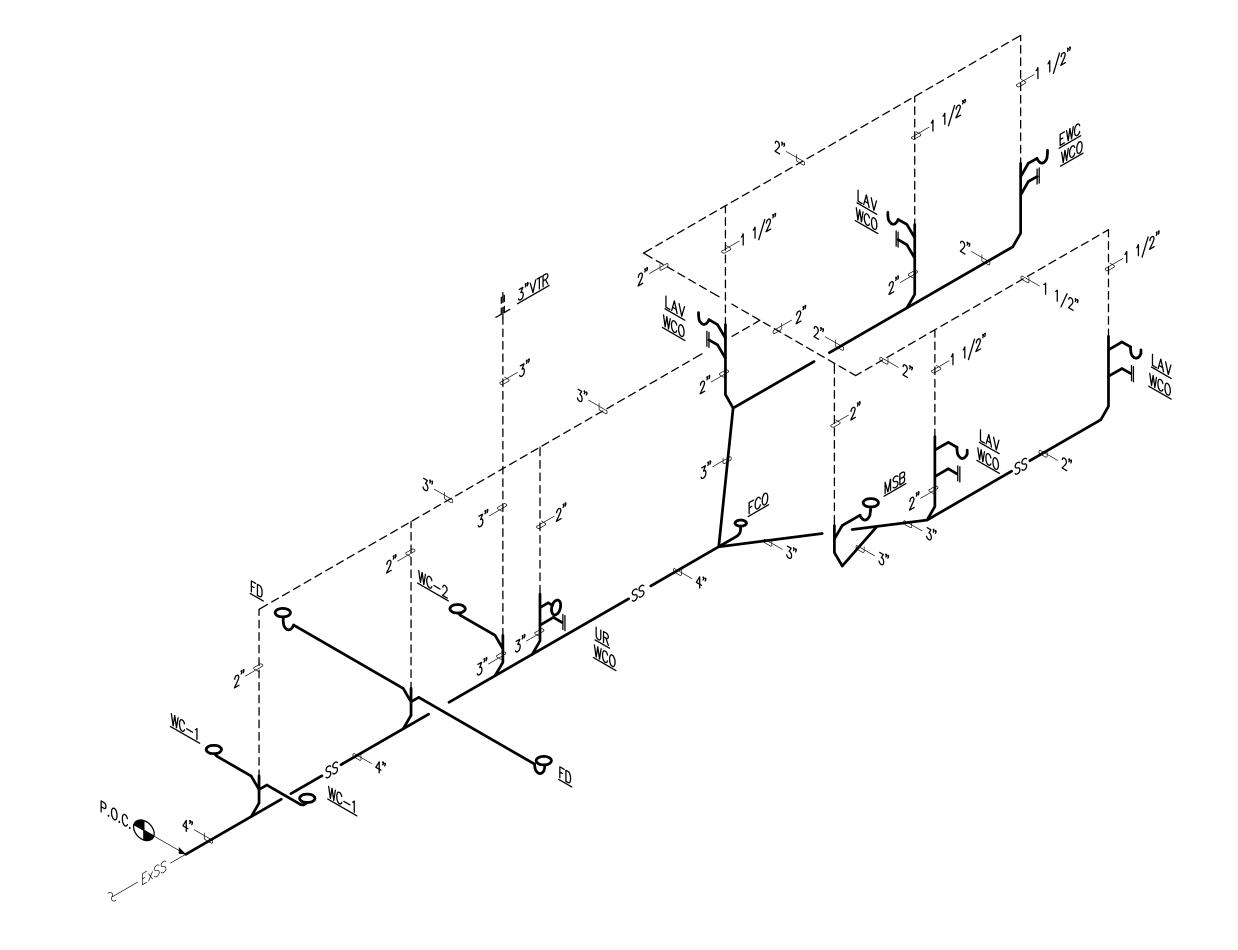
NEW WORK PLUMBING PLAN

P-101

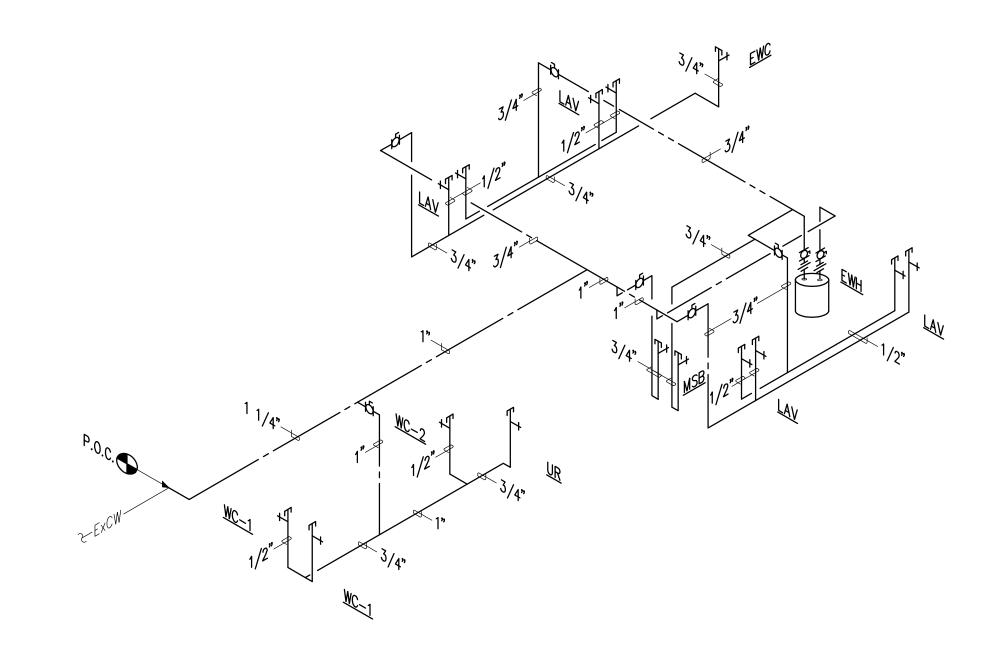
P-201

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS









P-201 HOT AND COLD WATER RISER DIAGRAM
SCALE: NONE

- D. ALL UN-USED LOW VOLTAGE CONDUIT AND CABLING SHALL BE REMOVED IN ITS ENTIRETY U.N.O. ANY EXISTING LOW VOLTAGE CONDUIT AND CABLING TAGGED TO REMAIN SHALL BE PROPERLY SUPPORTED FROM THE STRUCTURE WITH J-HOOKS AND STRAPS.
- CONTRACTOR SHALL RE-USE EXISTING CONDUIT PENETRATIONS AND/OR CONDUIT SYSTEMS WHERE APPLICABLE. IF NOT RE-USED, PATCH, PAINT, AND REPAIR AS REQUIRED. IN ALL CASES, CUT, AS SHOWN IN THE ARCHITECTURAL PLANS.
- CONTRACTOR SHALL SALVAGE ALL EXISTING LINEAR SUSPENDED LED LIGHT FIXTURES SCHEDULED TO BE REMOVED BACK TO THE OWNER. COORDINATE WITH OWNER FOR PLACEMENT.

KEYED NOTES

- (1) CONTRACTOR SHALL REMOVE ALL LIGHTING AND SWITCHING IN THIS ROOM/AREA IN IT'S ENTIRETY. REMOVE ALL ASSOCIATED BOXES, CONDUIT AND WIRING BACK TO THE POINT OF SOURCE.
- (2) CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING SUSPENDED LED LIGHT FIXTURES AND ASSOCIATED LIGHT SWITCHES IN THIS ROOM/AREA WITH NEW. MAINTAIN EXISTING LIGHTING BRANCH CIRCUITING FOR RECONNECTION TO NEW FIXTURES AND SWITCHING SCHEDULED. REFER TO THE NEW WORK LIGHTING PLAN AND FIXTURE SCHEDULE FOR MORE INFORMATION AND DIRECTION.
- LOCATION. MAINTAIN EXISTING LIGHTING BRANCH CIRCUIT AND CONTROL FOR EXISTING FIXTURE(S) TO REMAIN IN PLACE AND OPERATIONAL.
- MODIFICATIONS REQUIRED TO THE ELECTRICAL SERVICE FOR THE
- (5) CONTRACTOR SHALL REMOVE EXISTING PANEL SHOWN. MAINTAIN EXISTING BRANCH CIRCUITS AS REQUIRED FOR CIRCUITS TAGGED TO REMAIN IN PLACE AND OPERATIONAL. REFER TO THE POWER RISER DIAGRAMS FOR MORE DIRECTION.
- (6) CONTRACTOR SHALL REMOVE ALL POWER OUTLETS ON THIS WALL/AREA IN THEIR ENTIRETY. REMOVE ALL ASSOCIATED BOXES, CONDUIT AND WIRING BACK TO THE POINT OF SOURCE.
- ENTIRETY. CONTRACTOR SHALL DISCONNECT ELECTRICAL CONNECTIONS TO AND FROM EQUIPMENT IN THEIR ENTIRETY. REMOVE ALL ASSOCIATED BOXES, CONDUIT AND WIRING BACK TO THE POINT OF

GENERAL DEMO NOTES

- A. CONTRACTOR SHALL TEMPORARILY DISCONNECT, PROTECT, AND RECONNECT ALL CEILING MOUNTED DEVICES AFFECTED BY DEMOLITION WORK AND INSTALLMENT OF NEW HVAC AND LIGHTING. ANY UN-USED WIRING AND/OR CONDUIT SHALL BE REMOVED BACK TO THE POINT OF SOURCE OR WHERE EXISTING EQUIPMENT WILL REMAIN. SALVAGE ALL REMOVED EQUIPMENT TO THE OWNER U.N.O.
- B. ANY EQUIPMENT TAGGED TO BE REMOVED THAT IS CONNECTED TO EQUIPMENT, LIGHTING, AND/OR OUTLETS TO REMAIN, SHALL BE PROVIDED WITH SPLICE BOXES ABOVE AN ACCESSIBLE CEILING TO MAINTAIN CIRCUITRY AND FUNCTIONALITY OF THOSE ITEMS MENTIONED.
- C. DEMOLITION OF WIRING, DISCONNECTS, AND/OR EQUIPMENT THAT IS SUBJECT TO REMAIN OR BE RE-LOCATED, CONTRACTOR IS RESPONSIBLE FOR RE-CONNECTION OF THAT EQUIPMENT IMMEDIATELY AND MAKE OPERATIONAL.
- COORDINATE WITH GISD PRIOR TO ANY WORK.
- PATCH, PAINT, AND REPAIR TO MATCH EXISTING CONDITIONS AND/OR

- (3) CONTRACTOR SHALL REMOVE EXISTING EXTERIOR FIXTURE AT THIS
- 4 CONTRACTOR SHALL REFER TO POWER RISER DIAGRAMS FOR

- (7) EXISTING WATER HEATER IS SCHEDULED TO BE REMOVED AND REPLACED WITH NEW. CONTRACTOR SHALL DISCONNECT ELECTRICAL CONNECTIONS FROM WATER HEATER TO PERMIT REPLACEMENT. RECONNECT IN SAME FASHION WHEN COMPLETED.
- (8) EXISTING HVAC EQUIPMENT IS SCHEDULED TO BE REMOVED IN IT'S

RMIN Ш **D**

> OUNTY GRANT

GRAN

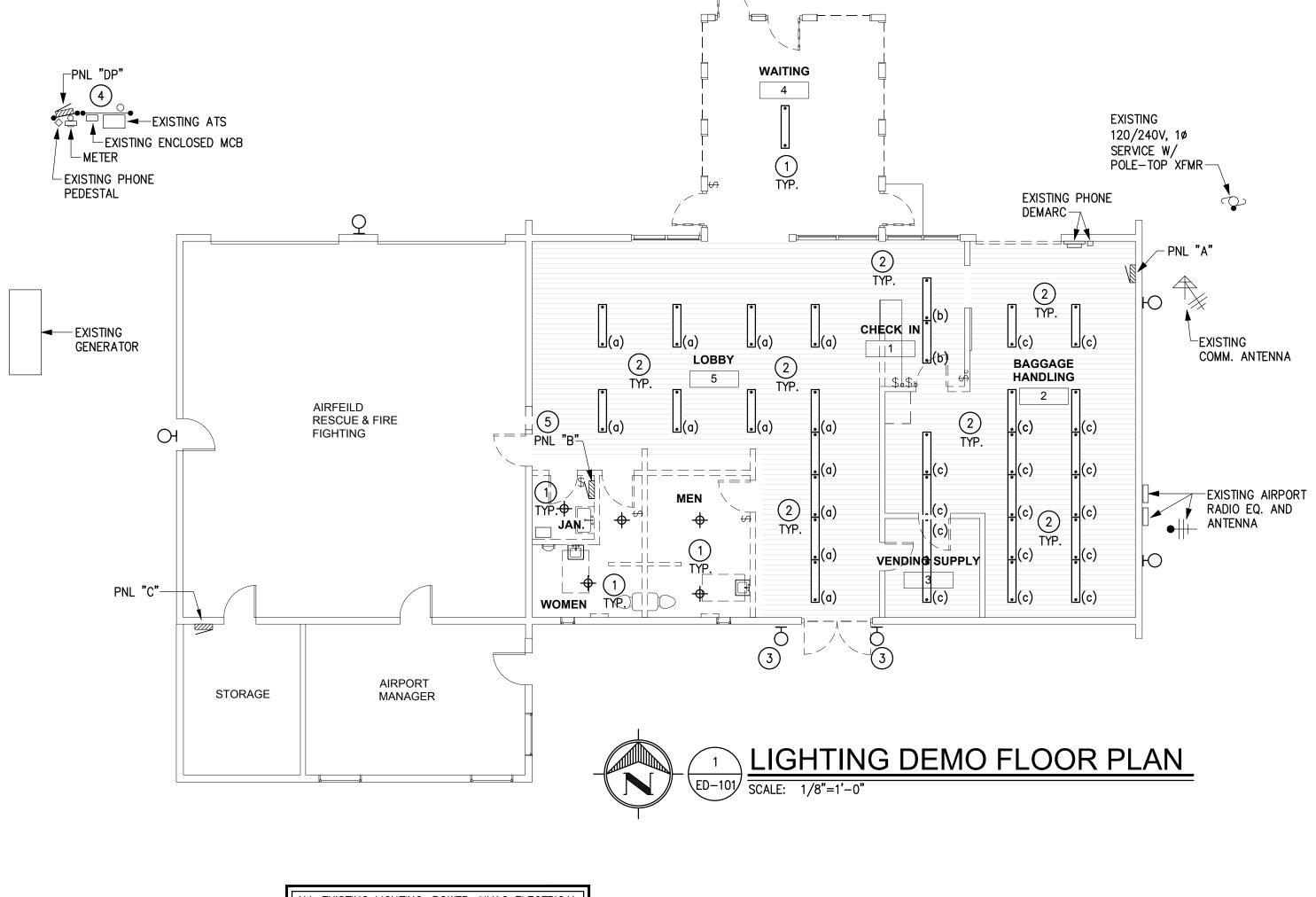
ASA PROJECT NO. PROJECT NO: RBM

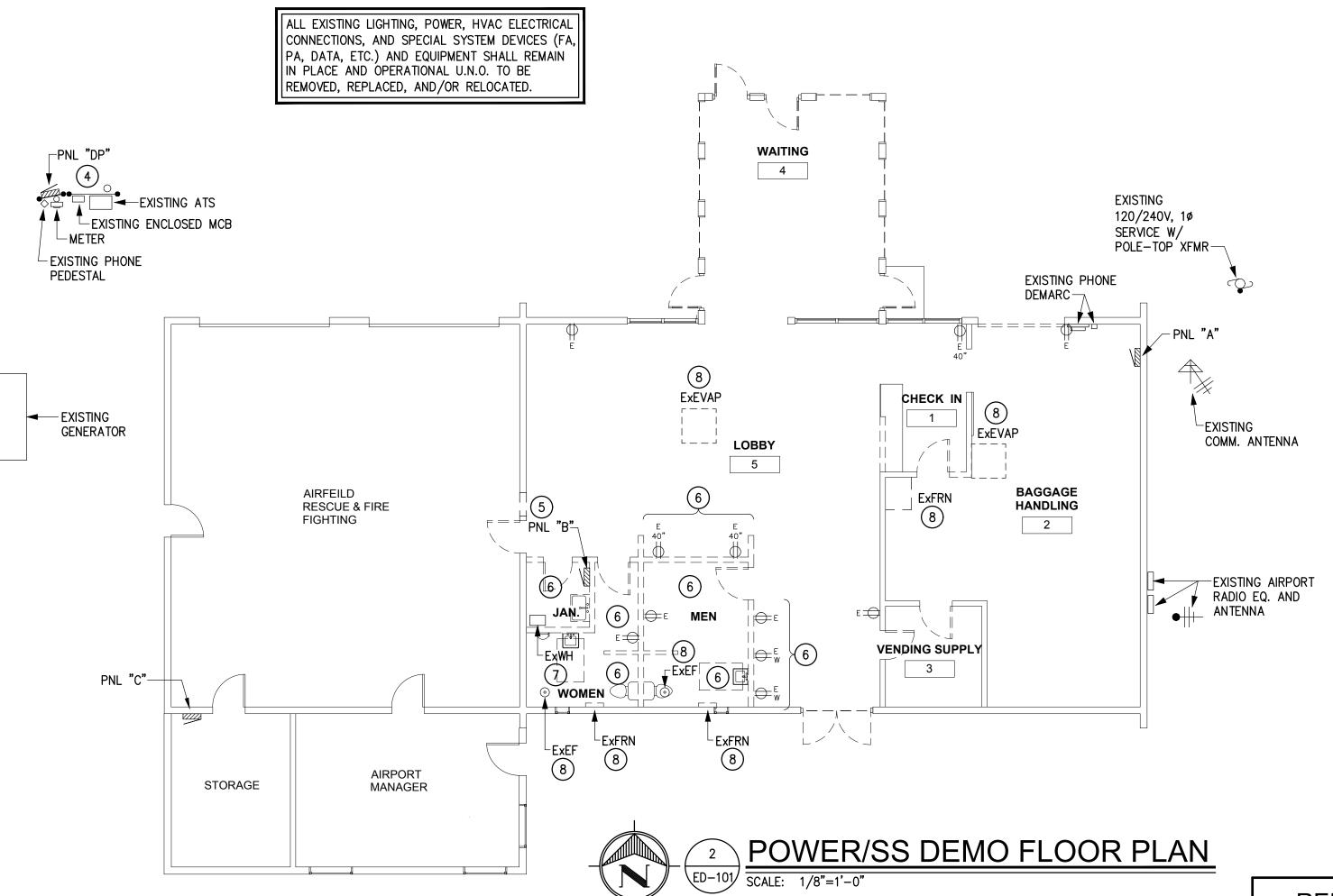
RBM

DRAWN BY: CHECKED BY: SHEET TITLE:

> ELECTRICAL LIGHTING AND **POWER DEMOLITION** FLOOR PLANS

ED-101





REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS



RBM ENGINEERING INC.
1065 S. MAIN ST. BLDG D STE. A
LAS CRUCES, NM 88005
SHEET NO:

(575) 647-1554

FAX (575) 647-1563

NECESSARY.

ASA PROJECT NO .: PROJECT NO: DRAWN BY: RBM

ELECTRICAL

LEGEND, NOTES,

AND SCHEDULES

CHECKED BY:

LAS CRUCES, NM 88005 (575) 647-1554 FAX (575) 647-1563

A. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT LOCATIONS OF EQUIPMENT, CONDUIT ROUTING, OBSTRUCTIONS, ETC. PLANS ARE TO BE USED AS A GENERAL GUIDELINE AND ARE NOT INTENDED TO BE SPECIFIC INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL CONSTRUCT ACCORDING TO CODE AND/OR MANUFACTURER'S INSTALLATION. B. DRAWINGS ARE BASED UPON ARCHITECTURAL PLANS AND/OR FIELD OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ROUTINGS PRIOR TO BIDDING. C. CONTRACTOR SHALL EXPECT TO MAKE SOME ROUTING ADJUSTMENTS DURING THE COURSE OF CONSTRUCTION. COORDINATE CHANGES WITH ENGINEER AND KEEP RECORD OF CHANGES FOR AS-BUILTS. D. NO TYPE NM CABLE, ROMEX, AND/OR AC CABLE MAY BE USED IN THIS BUILDING. 3/4" OR LARGER EMT, AND IMC CONDUITS ARE APPROVED WIRING METHODS FOR THIS BUILDING. MC CABLE MAY

- ONLY BE USED FOR FIXTURE WHIPS AT LENGTHS NO GREATER THAN SIX FEET. PVC CONDUIT CAN BE UTILIZED ONLY WHERE NOTED. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TYPED DIRECTORIES FOR ALL EXISTING AND NEW ELECTRICAL PANELS SHOWN. LABEL NEW PER PANEL SCHEDULES. ANY CHANGES SHALL BE APPROVED BY THE ENGINEER AND NOTED ON AS-BUILTS. CONSULT ENGINEER IF
- F. CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT AND INSPECTION FEES REQUIRED BY THE GOVERNING BODIES.
- G. CONTRACTOR SHALL PROVIDE PROPER FIRE SEALANT FOR ALL CONDUITS PENETRATIONS THRU FIRE RATED WALLS AND SMOKE WALLS.
- H. CONTRACTOR IS EXPECTED TO REMOVE PORTIONS OF EXISTING HARD CEILING, LAY-IN CEILING, TILES, AND/OR GRID FOR INSTALLATION OF NEW ELECTRICAL SHOWN AND SCHEDULED. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS MENTIONED ABOVE DURING CONSTRUCTION AND REPLACE IF NECESSARY. REPLACE CEILING TYPES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.
- I. CONTRACTOR SHALL ROUTE AND RUN ALL POWER SEPARATE FROM ANY AND ALL SPECIAL SYSTEMS CONDUIT AND WIRING. ALL SPECIAL SYSTEMS UTILIZING CONDUIT SHALL BE PROVIDED WITH PULL STRING AND STUBBED/ROUTED TO AN ACCESSIBLE CEILING.
- J. ALL CONDUIT SHALL BE CONCEALED, EXCEPT WHERE NOTED OTHERWISE. IF SHOWN OR NOTED TO BE EXPOSED, CONDUIT RUNS SHALL BE NEATLY GROUPED TOGETHER AND BE SQUARE AND TRUE TO THE BUILDING LINES. ALL CONDUIT SHALL BE SUPPORTED TO THE STRUCTURE U.N.O. AND IF EXPOSED, PAINT TO MATCH SURFACES THEY ARE MOUNTED TO.
- K. CONTRACTOR SHALL VERIFY AND COORDINATE ALL WIRING DEVICES WITH FINAL FURNITURE LAYOUT, EQUIPMENT LAYOUT, AND ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-IN AND INSTALLATION. COORDINATE ALL POWER AND DATA OUTLET INSTALLATIONS IN, AT, AND AROUND MILLWORK. LABEL ALL OUTLETS AND SWITCHES WITH CIRCUIT NUMBER(S) AND PANEL(S) BEING FED FROM.
- L. PROVIDE WHITE WIRING DEVICES WITH STAINLESS STEEL COVERPLATES.
- M. CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE LOCATIONS WITH MECHANICAL EQUIPMENT AND DUCTWORK LAYOUT PRIOR TO INSTALLATION. PROVIDE CLEARANCES AROUND FIXTURES FOR MAINTENANCE PURPOSES.
- N. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO CONFIRM AND LOCATE ANY AND ALL UNDERGROUND LINES PRIOR TO TRENCHING. ANY UNDERGROUND LINES THAT ARE IDENTIFIED AND BECOME DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT COST TO THE OWNER AND/OR PROJECT.
- O. CONTRACTOR IS RESPONSIBLE FOR BACKFILLING ALL TRENCHES AT THE END OF WORKING HOURS EACH DAY FOR SAFETY. IF CONTRACTOR DOES NOT COMPLY, THEN THEY ARE RESPONSIBLE FOR FENCING THE ENTIRE WORK AREA. ALL TRENCHES MADE ARE TO BE TAMPED TO THE APPROVED TAMPED BACKFILL COMPACTION AS STATED IN THE ARCHITECTURAL DRAWINGS.

STATE OF NM NOTES

- A. THE MOUNTING HEIGHT OF WIRING OR CONTROL DEVICES (SWITCHES, OUTLETS, CONTROLS, DATA JACKS, PHONE JACKS, THERMOSTATS, FIRE ALARM, ELECTRIC DOOR PUSH BUTTONS, ETC.) MUST BE MOUNTED TO COMPLY WITH THE STATE OF NEW MEXICO STANDARDS FOR ACCESSIBILITY. SPECIFICALLY, OUTLETS MUST BE MOUNTED AT MINIMUM 18" A.F.F. TO THE BOTTOM OF THE BOX, AND SWITCHES AND OTHER CONTROLS AT 44" A.F.F. TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. DEVICES ABOVE COUNTER TOPS AND OBSTRUCTIONS SHALL COMPLY WITH ANSI 117.1.
- B. THE DESIGN OF THE PROJECT IS BASED ON COPPER WIRE, #12 AWG AS THE MINIMUM SIZE. THE BRANCH CIRCUIT WIRING SYSTEM SHALL LIMIT VOLTAGE DROP TO 5% AT THE FURTHEST OUTLET. THE CONTRACTOR SHALL UTILIZE LARGER WIRE SIZES AS NEEDED TO MAINTAIN THIS LIMIT. IT WILL NOT BE UNCOMMON FOR #10 AWG TO BE REQUIRED. AS A RULE OF THUMB, BRANCH CIRCUIT CONDUCTOR LENGTHS LONGER THAN 80' MAY REQUIRE #10 AWG WIRING. CONTRACTOR SHALL UPGRADE WIRING AS NEEDED WHETHER SHOWN ON THE PLANS OR NOT TO COMPLY WITH THE STATE OF NEW MEXICO STANDARDS FOR VOLTAGE DROP.
- C. THE CONTRACTOR MAY INSTALL UP TO 6 CURRENT CARRYING CONDUCTORS IN A CONDUIT. LOADINGS ARE BASED ON DERATINGS FOR UP TO 6 CONDUCTORS AND AN AMBIENT TEMPERATURE OF 122 DEGREES F. THE CONTRACTOR MUST REVISE AMPACITIES FOR OTHER CONDITIONS. CONTACT THE ENGINEER IF NECESSARY.
- D. EMERGENCY INTERIOR LIGHTING IS REQUIRED ON THE PROJECT BECAUSE THE SIZE OF THE PROJECT.

ELECTRICAL SYMBOL LEGEN	D	
	EIGHTS NOTED ARE TO ENTER LINE FROM FLOOR.	OCCUPANCY SENSOR DEVICES
AS THE CONTRACTED AND LICENSED INSTALLER ON THE PROJECT NOTED ON THE TITLE BLOCK THIS CONTRACTOR WARRANTS AND GUARANTEES THAT ALL CONTROL AND OPERATING MECHANISMS HE/SHE INSTALLS WILL COMPLY WITH THE ACCESSIBILITY STANDARD AS ADOPTED AND MODIFIED BY THE STATE, WHETHER THE STANDARD IS ADAAG, LATEST EDITION OR ICC/ANSI A 117.1, LATEST EDITION. REACH RANGES SHALL BE COMPLIED WITH. THESE INCLUDE FORWARD REACH AND SIDE REACH, BOTH UNOBSTRUCTED AND OBSTRUCTED. THIS GUARANTEE SHALL EXTEND FOR THE TIME PERIOD AS NECESSARY FOR THE STATE ACCESSIBILITY INSPECTION. IN ANY CASE THE TIME PERIOD SHALL NOT EXCEED 36 MONTHS BEYOND THE DATE OF SUBSTANTIAL COMPLETION. ANY DEFICIENCIES FOUND BY THE ACCESSIBILITY SINSPECTIOR ON THE ACCESSIBILITY FINAL INSPECTION SHALL BE CORRECTED WITHIN 30 DAYS BY THIS CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER. THE HEIGHTS CALLED FOR BY THE LEGEND AND AS SHOWN ON THE PLANS ARE SO SELECTED TO BE IN COMPLIANCE, HOWEVER CONSTRUCTION ADJUSTMENTS OCCUR IN THE FIELD OFTEN WITH OUT THE KNOWLEDGE OF THE ENCINEER, WHEN THIS HAPPENS THE CONTRACTOR IS AUTHORIZED AND EXPECTED TO ADJUST THE DEVICE HEIGHT IN THE FIELD AS NECESSARY. \$\(\) SINGLE POLE WALL SWITCH, 2—INDICATES 2 POLE, 3—INDICATES 3 WAY, 4—INDICATES 4 WAY, P—INDICATES PILOT LIGHT, AND D—INDICATES 0—10V DIMMER. ALL SWITCHES SHALL BE LOCATED AT +44" OR AS NOTED. \$\(\) DUPLEX RECEPTACLE—20A, 125V, 2P, 3W (NEMA 5—20R) IN WALL +18" OR AS NOTED. \$\(\) DUPLEX RECEPTACLE—20A, 125V, 2P, 3W (NEMA 5—20R) IN WALL +18" OR AS NOTED. \$\(\) JUNCTION OR OUTLET BOX IN WALL. HEIGHT AS NOTED. ALL BOXES SHALL BE ACCESSIBLE. IN CMU WALL CONSTRUCTION ROUGH—IN BOXES FOR WIRING DEVICES MAY BE ADJUSTED ABOVE 18" OR BELOW 44" AS APPROVED IN THE FIELD TO HELP MINIMIZE CUTS IN CMU BLOCKS, AS LONG AS THE HEIGHTS ARE IN KEEPING WITH ADA HEIGHTS.	DEM DIGITAL LIGHTING MANAGEMENT. WET WRELESS CONFIGURATION TOOL. WATT STOPPER (LMCT-100 OR EQUAL). PROVIDE ONE FOR THIS PROJECT. © CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATT STOPPER (LMDC-100 OR EQUAL). © CORNER MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATT STOPPER (LMDX-100 OR EQUAL). \$RI 1-BUTTON LOW VOLTAGE, ON/OFF WALL SWITCH. WATT STOPPER (LMSW-101 OR EQUAL). \$IND 1-BUTTON LINE VOLTAGE, DUAL TECHNOLOGY, WALL OCCUPANCY SWITCH. WATT STOPPER (DW-100W OR EQUAL). © SINGLE RELAY, ON/OFF ROOM CONTROLLER. WATT STOPPER (LMRC-101 OR EQUAL). OCCUPANT SENSING TECHNOLOGY IS TO BE PROGRAMMED AS VACANCY SWITCHES. THAT IS THE OPERATION SHALL BE PUSH BUTTON ON, OCCUPANCY SENSOR OR PUSH BUTTON OFF. GENERAL DIGITAL LIGHTING AND OCCUPANCY SENSOR NOTES: 1. COMPLIANCE WITH ENERGY CODE IS ACCOMPLISHED WITH THE USE OF THIS DIGITAL LIGHTING MANAGEMENT SYSTEM FOR CEILING/WALL MOUNTED LOW VOLTAGE OCCUPANCY SENSORS, LOW VOLTAGE DIGITAL SWITCHES. THE PREFERRED MANUFACTURER NOTED ABOVE IS WATT STOPPER. ANY SUBSTITUTIONS ARE PERMITTED, BUT PRIOR APPROVAL WILL BE MANDATORY. ALLOW TIME FOR THIS IF SUBSTITUTES ARE PROPOSED. CONSULT ENGINEER IF NECESSARY. 2. THE DIGITAL LIGHTING MANAGEMENT SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, AND PROGRAMMABLE. ALL CAT 5E CABLING FOR THIS SYSTEM SHALL BE PLUG AND PLAY, SENSORS SHOWN AND DESCRIPTION OF FUNCTION FOR EACH AND ITS MAXIMUM ABILITY. ALL OCCUPANCY SENSORS SHALL BE FULLY PROGRAMMED TO THE OCCUPANT'S SATISFACTION WHETHER SHOWN ON PLANS OR NOT.	
EQUIPMENT MOTOR OUTLET AND CONNECTION. EQUIPMENT TYPE AS NOTED. SAFETY SWITCH, PROVIDED AND INSTALLED UNDER DIV. 16. TO HAVE POLES AND RATE OF THE STALLED OUTDOORS. MOTOR CONTROLLER INTEGRAL WITH EQUIPMENT. PANELBOARD SURFACE MOUNTED. EXISTING PANELBOARD SURFACE MOUNTED. EXISTING PANELBOARD FLUSH MOUNTED. SPECIAL CABINET OR EQUIPMENT AS NOTED, SURFACE MOUNTED. SPECIAL CABINET OR EQUIPMENT AS NOTED, FLUSH MOUNTED. THERMOSTAT OR TEMPERATURE SENSOR OUTLET FLUSH IN WALL. 1 GANG HANDY BOY TO ABOVE ACCESSIBLE CEILING. UP 44" OR AS NOTED. CONTROL WIRING BY CONTROL	(WITH 1/2" STUBBED	4. AS PART OF THE PROJECT, CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SCHEDULING A WATT STOPPER SERVICE TECH TO COMMISSION ALL DEVICES AND ZONES SHOWN ON THE PLANS. CONTRACTOR SHALL HAVE THIS DONE IN ADEQUATE TIME TO COMPLETE THE PROJECT ON SCHEDULE. CONTRACTOR'S FAILURE TO DO SO WILL NOT BE GROUNDS FOR A TIME EXTENSION. LIQUIDATED DAMAGES WILL APPLY AS PER THE OWNER'S REQUEST AT BID TIME. IN ADDITION TO SERVICING DEVICES AND ZONES, WATT STOPPER SERVICE TECH SHALL INCLUDE TWO ADDITIONAL HOURS OF TRAINING AND PRESENTATION TIME FOR THE OWNER AND END USERS TO MAINTAIN SYSTEM. 5. AFTER THE BUILDING HAS BEEN OCCUPIED, THE CONTRACTOR SHALL COME BACK MONTHLY FOR 3 MONTHS AND REPROGRAM ANY AND ALL SENSORS AS REQUESTED BY THE END USER TO THEIR COMPLETE SATISFACTION WITHOUT ADDITIONAL COST TO THE PROJECT. MISCELLaneous MECHANICAL EQUIPMENT DESIGNATION— SEE MECHANICAL EQUIPMENT SCHEDULE. KEYED NOTE WP WEATHERPROOF AFF ABOVE FINISH FLOOR UNO UNLESS NOTED OTHERWISE GFCI GROUND FAULT CIRCUIT INTERRUPTER

Interior Lighting Compliance Certificate 2015 IECC Energy Code: Project Title: Project Type: New Construction Construction Site Owner/Agent: Designer/Contractor: Additional Efficiency Package(s) Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations. Allowed Interior Lighting Power Area Category Allowed **Allowed Watts** Floor Area (ft2) Watts / ft2 (B X C) 1-Grant County Airport (Office) Total Allowed Watts = Proposed Interior Lighting Power С D Lamps/ # of Fixture (C X D) Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast Fixture Fixtures Watt. 1-Grant County Airport (Office) LED 1: A4: Linear LED Fixture: LED Panel 54W: LED 2: A8: Linear LED Fixture: Other: LED 3: A16: Linear LED Fixture: Other: LED 4: A20: Linear LED Fixture: Other: 540 224 LED 5: B: 6" Recessed LED Can: Other: LED 6: C: 4' LED Striplight: LED A Lamp 25W: LED 7: D: LED Vanity Fixture: LED Other Fixture Unit 50W: Total Proposed Watts = nterior Lighting PASSES: Design 18% better than code

FIXTURE SCHEDULE						
SYMBOL	MANUFACTURER NAME AND NUMBER	VA	LUMENS	MOUNTING	NOTES	
A4	LEDALITE EL-S-S-L-840-48-Q-G-04-D-E-R-NNN-CC-W-12-R3/S-A-PT	36	4,266 LUMENS	SUSPENDED	1,2,3	
A8	LEDALITE EL-S-S-L-840-48-Q-G-08-D-E-R-NNN-W-W-12-R3/S-A-PT	72	8,532 LUMENS	SUSPENDED	1,2,3	
A16	LEDALITE EL-S-S-L-840-48-Q-G-016-D-E-R-NNN-W-W-12-R3/S-A-PT	144	17,064 LUMENS	SUSPENDED	1,2,3	
A20	LEDALITE EL-S-S-L-840-68-Q-G-020-D-E-R-NNN-W-W-12-R3/S-A-PT	180	21,330 LUMENS	SUSPENDED	1,2,3	
В	HE WILLIAMS 6DR-TL-L15-8-40-TC-DIM-UNV-R-W-OF-WH-WH-MWT-N	14	1,090 LUMENS	RECESSED	4	
С	HE WILLIAMS 75R-4-L30/840-DRV-UNV	25	3,200 LUMENS	SURFACE		
D	KUZCO LIGHTHOUSE 601002BN-LED	50	2,403 LUMENS	VANITY	5	
X1	MULE LIGHTING AL-1-R-WW	15	800 LUMENS	WALL/CEILING		
EM	MULE LIGHTING MRD-11-SD-VRS3	15	800 LUMENS	WALL	8	
EM2	MULE LIGHITNG EOE-BB-10L3-CC-LT-DG	10	800 LUMENS	WALL	3,8	
AA	FORUM LIGHTING AQD-32-65-40-SAT-S-6-UNV-CC	39	3,900 LUMENS	CANOPY	3,6,7	
BB	LSI XWM-3-LED-06L-40-UE-CC-BB-CWBB	44.7	6,000 LUMENS	WALL	3,7,8	

- 1. FIXTURE SHALL BE PROVIDED WITH A FIELD ADJUSTABLE AIRCRAFT SUSPENSION KIT. FIXTURES SHALL BE SUSPENDED AT 12' A.F.F COORDINATE SUSPENSION HEIGHT WITH THE ARCHITECTURAL ELEVATIONS PRIOR TO RELEASING ORDER.
- 2. CONTRACTOR SHALL PROVIDE A SWITCH COMPATIBLE WITH FIXTURE SCHEDULED. OPERATION OF THE FIXTURE WILL ONLY BE ON/OFF CONTROL. SWITCH SHALL BE PROVIDED WITH NO DIMMING CAPABILITY AT THIS TIME.
- 3. ARCHITECT SHALL SELECT COLOR OF FIXTURE PRIOR TO RELEASING ORDER.
- 4. FIXTURE SHALL BE PROVIDED WITH CORRECT CEILING MOUNTING KIT FOR RECESS INSTALLATION. COORDINATE PRIOR TO RELEASING ORDER.
- 5. FIXTURE SHALL BE PROVIDED WITH 4,000K COLOR TEMPERATURE.
- FIXTURE SHALL BE PROVIDED WITH THE CORRECT MOUTNING KIT FOR EXTERIOR CANOPY TO BE PROVIDED.
- 7. FIXTURE SHALL BE FULL CUT-OFF AND COMPLY WITH THE STATE OF NEW MEXICO'S NIGHT SKY PROTECTION ACT.
- 8. FIXTURE SHALL BE PROVIDED WITH AN INTEGRAL BATTERY PACK. BATTERY PACK SHALL PROVIDE A MINIMUM OF 600 LUMENS FOR 90 MINUTES IN EMERGENCY MODE APPLICATIONS.

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS



RBM ENGINEERING INC. 1065 S. MAIN ST. BLDG D STE. A SHEET NO:

E-001

TO ABOVE ACCESSIB **COM***check* **Software Version 4.1.1.0**

LIGHT FIXTURE

FIXTURE SCHEDULE.

NEUTRAL ----

(HOT) GREEN-

GRD. WIRE

· I ├── GROUND

JUNCTION BOX INSTALLED ABOVE AN ACCESSIBLE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-IN

FIXTURES. MAXIMUM 6'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE

LIGHT FIXTURE 1x4, 2x2 OR 2x4 AS SCALED ON PLANS. SURFACE OR RECESSED. TYPE AS INDICATED IN

EXIT LIGHT, CEILING MOUNTED. DIRECTION ARROWS AS REQUIRED. IF THE CEILING HEIGHT EXCEEDS 10'-0"

EXIT LIGHT, WALL MOUNTED. BOTTOM OF LIGHT 6" ABOVE DOOR FRAME, OR BOTTOM OF LIGHT 84" ABOVE

DASHES ACROSS CONDUIT OR CABLE INDICATE THREE (3) OR MORE WIRES #12 AWG SOLID

SELF-CONTAINED TWO-HEAD EMERGENCY PACK FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.

CONDUIT, RACEWAYS, AND WIRING

PE_{UG} PRIMARY VOLTAGE UNDERGROUND ELECTRICAL. 2'-0" MIN. BELOW GRADE. RIGID, IMC, PVC SCH 40 OR PVC

— UG— UNDERGROUND ELECTRICAL. 2'-0" MIN. BELOW GRADE. RIGID, IMC, PVC SCH 40 OR PVC SCH 80. SEE SPECS.

———— CONDUIT CONCEALED IN WALLS OR CEILING CONSTRUCTION RIGID, IMC OR EMT. SEE SPECS.

HOME RUN TO PANELBOARD-NUMBER OF ARROWS INDICATES NUMBER OF BREAKER HANDLES.

LIGHT FIXTURE AS SPECIFIED WITH BATTERY BACK-UP. TYPE AS INDICATED IN FIXTURE SCHEDULE.

STRIPLIGHT FIXTURE, SUSPENDED OR CEILING MOUNTED. TYPE AS INDICATED IN FIXTURE SCHEDULE.

O OR O CEILING RECESSED FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.

FLOOR WHEN MOUNTED ON BARE WALL OR AS NOTED.

---- CONDUIT EXPOSED. RIGID, IMC, EMT OR PVC SCH 80. SEE SPECS.

COPPER UNLESS NOTED OTHERWISE.

EXIT LIGHT SHALL BE WALL MOUNTED.

SURFACE MOUNT FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.

WALL MOUNTED FIXTURE. TYPE AS INDICATED IN FIXTURE SCHEDULE.

EXISTING SURFACE MOUNT WHITE NYLON WIREMOLD.

UPDATE DIRECTORY WHEN COMPLETED.

3 CONTRACTOR SHALL REMOVE EXISTING PANEL "B" SHOWN IN IT'S ENTIRETY. REMOVE ALL ASSOCIATED BOXES, CONDUIT AND WIRING BACK TO THE POINT OF SOURCE. ANY EXISTING BRANCH CIRCUITS SCHEDULED TO REMAIN SHALL BE MAINTAINED DURING DEMOLITION AND REROUTED TO CONNECT TO NEW PANEL "B". REFER TO THE NEW WORK RISER DIAGRAM FOR MORE INFORMATION.

4 CONTRACTOR IS REQUIRED TO MODIFY THE EXISTING SERVICE SHOWN AT THIS LOCATION. ALL DEMO AND NEW WORK SHOWN AND NOTED FOR THE EXISTING SERVICE SHALL BE IMPLEMENTED IN SUCH A FASHION THAT THE EXISTING SERVICE REMAINS ENERGIZED THROUGHOUT CONSTRUCTION. IF OUTAGES ARE REQUIRED FOR SERVICE TRANSFER, CONTRACTOR SHALL UTILIZE THE EXISTING GENERATOR DURING OUTAGE CONSTRUCTION. PROVIDE DIESEL FUEL REQUIRED FOR THE GENERATOR TO RUN FOR THE DURATION OF THE OUTAGE. ONCE COMPLETED, CONTRACTOR SHALL TOP OFF GENERATOR FUEL AFTER USE. COORDINATE WORK NOTED ABOVE WITH THE OWNER PRIOR TO START OF WORK.

5 CONTRACTOR SHALL REMOVE AND REPLACE EXISTING MAIN BREAKER 300A TRIP SETTING PLUG WITH NEW 225A TRIP SETTING PLUG. PLUG SHALL BE COMPATIBLE WITH EXISTING EATON MAIN BREAKER. IF COMPATIBLE PLUG IS NOT AVAILABLE FOR EXISTING MAIN BREAKER, CONTRACTOR SHALL REPLACE ENTIRE BREAKER WITH NEW 400A BREAKER WITH A 225A TRIP PLUG.

RMIN/

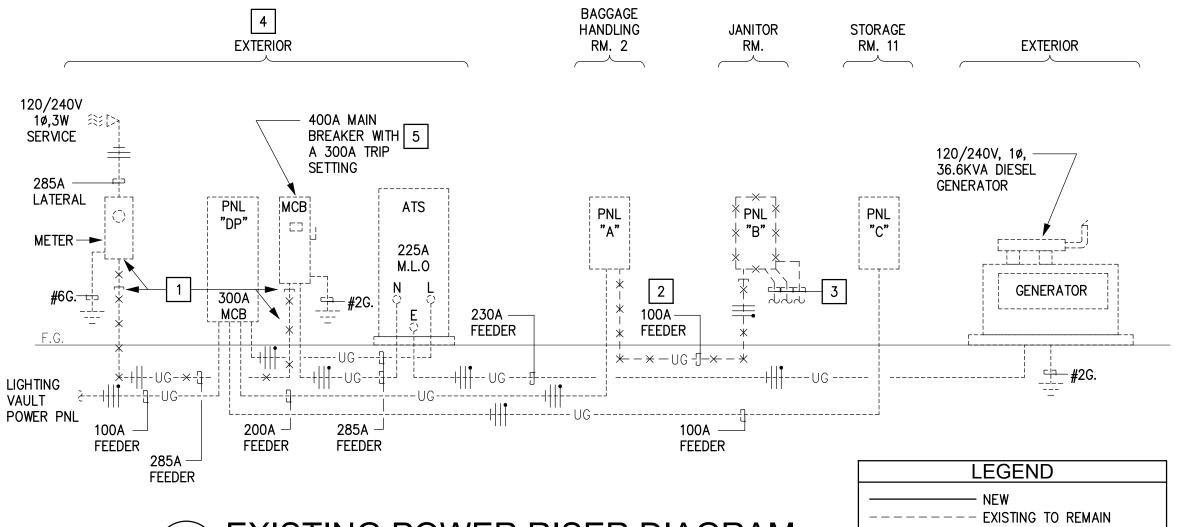
Ш

1

B

NEW WORK KEYED NOTES

- $(\ 1\)$ CONTRACTOR SHALL PROVIDE A 3"C WITH (3)-300KCMIL CU. WIRE AND (1)-#2G.
- (2) CONTRACTOR SHALL PROVIDE A 8"X8"X LENGTH REQUIRED R.T. GUTTER AS SHOWN WITH WIRE SIZE NOTED IN KEYED NOTE 1.
- (3) CONTRACTOR SHALL PROVIDE A MODIFIED UFER. PROVIDE AT LEAST 20 FEET OF CU. WIRE SIZE NOTED, IN DIRECT CONTACT WITH THE EARTH AT A DEPTH BELOW THE EARTH'S SURFACE OF NOT LESS THAN 30 INCHES INSTALLED IN A CONTINUOUS TRENCH THAT IS AT LEAST 20 FEET IN LENGTH, AUGMENTED WITH A MINIMUM OF 2, 8 FOOT GROUND RODS SPACED A MINIMUM OF 20 FEET APART. ALL CONNECTIONS SHALL BE LISTED FOR GROUNDING.
- (4) CONTRACTOR SHALL PROVIDE A 4-POLE, 120V COIL, 4-ZONE ASTRONOMICAL TIMECLOCK WITH BACK-UP CAPACITORS TO CONTROL NEW EXTERIOR LIT SIGNAGE NOTED ON THE ELECTRICAL PLANS. COORDINATE SCHEDULING WITH THE OWNER PRIOR TO COMPLETION OF THE PROJECT.
- (5) CONTRACTOR SHALL PROVIDE A 1 1/2"C WITH (3)-#1 CU. WIRE AND
- (6) CONTRACTOR SHALL PROVIDE A N3R, 250V, 200A, 3P+SN, FUSED DISCONNECT WITH (3)-125A FUSES. LABEL TO READ, "MAIN 1 OF 2".
- (7) CONTRACTOR SHALL PROVIDE A 8"X8"X LENGTH REQUIRED SPLICE BOX AT LOCATION OF REMOVED PANEL "B". SPLICE BOX SHALL BE LOCATED UNDERNEATH SINK AS NOTED ON THE ELECTRICAL PLANS. BOX SHALL BE UTILIZED TO INTERCEPT AND EXTEND EXISTING MAINTAINED UG BRANCH CIRCUITS PREVIOUSLY CONNECTED TO PANEL "B". INTERCEPT AND EXTEND BRANCH CIRCUITS TO NEW PANEL NOTED WITH SAME SIZE CONDUIT AND WIRE. CONNECT IN SAME FASHION AS PER PRIOR TO BEING DISCONNECTED.
- (8) CONTRACTOR SHALL PROVIDE A 2 1/2"C WITH (3)-4/0 CU. WIRE AND (1)-#2G.
- (9) CONTRACTOR SHALL PROVIDE A NEW 50A/2P CB INSIDE EXISTING SIEMENS PANEL SHOWN TO POWER NEW ACU-1. CB SHALL BE COMPATIBLE WITH EXISTING SIEMENS PANEL AND HAVE AN AIC RATING AS NOTED IN THE SHORT CIRCUIT CALCULATION. UPDATE DIRECTORY WHEN COMPLETED. REFER TO THE ELECTRICAL PLANS FOR MORE CIRCUIT INFORMATION AND DIRECTION.



EXISTING POWER RISER DIAGRAM

E-002/ SCALE: NONE

HANDLING WOMENS JANITOR **STORAGE** EXTERIOR RM. 2 RM. 8 RM. 11 EXTERIOR **400A CIRCUIT** 120/240V 1ø,3W BREAKER WITH NEW 225A TRIP SETTING SERVICE PLUG. LABEL TO READ MAIN 2 OF 2. 120/240V, 1ø, —— 36.6KVA DIESEL 285A GENERATOR LATERAL ATS PNL "A" -1"C OR METER → AS REQ. 225A M.L.O GENERATOR 300A MCB FEEDER VAULT POWER PNL

100A -

FEEDER

NEW WORK POWER RISER DIAGRAM E-002 SCALE: NONE

PLENUM RATED LV CABLING. ROUTE CABLING TO BUILDING STRUCTURE PROVIDE CABLE -FOR SUPPORT PER NEC 2014 PROTECTIVE BUSHINGS ARTICLE 725, 760, 800 AND 830. LEADING TO DEVICE. DO NOT SUPPORT LV CABLING FROM CONDUITS, PIPES, DUCTS, CEILING GRID WIRES, ETC, ALL 4" JUNCTION BOX -SUPPORTS OR ATTACHMENTS FLUSH IN CEILING SHALL BE UL LISTED. CADDY OR EQUAL T−BAR SHOWN ON THE PLAN, BUT IS **BOX SUPPORT** -DEVICE: OCCUPANCY SENSOR, FIRE ALARM DEVICES, CAMERAS, ETC. PA CEILING T-GRID-SPEAKERS SHALL UTILIZE A BRIDGE



-ROOF JOIST (TYP.)

PROVIDE BUSHINGS ON BOTH ENDS.

T-STAT/SENSOR

BY DIV. 15

T-STAT/SENSOR

CENTERLINE 44"

→ 1/2"C FOR T-STAT WIRING.

1/2" C

LOAD SUMMARY CALC.

100A ─

FEEDER

EXISTING/NEW LOAD ON NEW SERVICE GUTTER (120/240V, 1ø, 4W, 285A

200A [⊥]

— FEEDER —— FEEDER

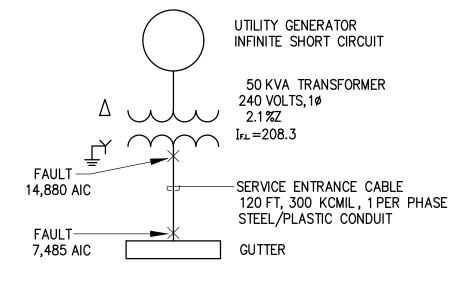
EXISTING: 12 MONTH PEAK DEMAND LOAD BY PNM: 20.7 KW 24.3 KVA DIVIDE BY .85 PF: MULTIPLY BY 125%: 30.4 KVA TOTAL IN AMPS: (240V, 1ø) 126.8 AMPS

REMOVED: EXISTING PNL "B" LOAD (BY PREVIOUS DESIGN): -33.0 AMPS

NEW: NEW ACU-1 LOAD (BY THIS DESIGN): 34.4 AMPS NEW LOAD ON PNL "B" (BY THIS DESIGN): + 81.0 AMPS 209.2 AMPS TOTAL: TOTAL IN KVA: 50.2 KVA

(240V, 1ø):

THEREFORE, THE EXISTING METERING AND EXISTING/NEW LATERAL TO THE NEW SERVICE GUTTER IS OF ADEQUATE CAPACITY TO ACCOMMODATE THE



OR ABANDONED.

THEREFORE, ALL EXISTING AND NEW ELECTRICAL PANELS, BREAKERS, AND EQUIPMENT SHALL HAVE AN AIC RATING OF 10,000 AIC MIN.

SHORT CIRCUIT CALC.

EXISTING AND NEW LOADS FOR THE BLDG.

E-002/ SCALE: NONE

TYPICAL ACU POWER CONNECTION E-002/ SCALE: NONE

SUITABLE METHOD.

E-STOP TERMINAL IN ACU UNIT, REMOVE

JUMPER, OR OTHER SUITABLE METHOD.

RELAY BASE OR OTHER REMOTE DUCT DETECTOR TEST

DESCRIPTION 240/120V. 1PH. 3W. 125 AMP MAIN CIRCUIT BREAKER, 10,000 AIC.

SIZE

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

20/1

25/2

1680

RJ-45, CAT 5e CABLE. FOR

CLARITY THE CATSe IS NOT

HVAC UNIT

ACU-X

(TYP.)

DUCT WORK

-ELECTRICAL

SECTION OF UNIT

UNIT DISCONNECT DO

NOT MOUNT OVER

UNIT NAMEPLATES

-PROVIDE BUSHING

ON CONDUIT

- DUCT DETECTOR WITH

RELAY BASE LOCATED

ON DUCT PER LATEST

NFPA 72.

STATION WITH UNIT DESIGNATION.

LOCATE ADJUSTMENT TO T-STAT. -

SEE PLAN FOR -

LOCATION AND

MOUNTING HEIGHT.

-POWER CONDUIT

REQUIRED BY THIS

CONTRACTOR.

Total KVA

DESCRIPTION

RM. 4 LIGHITNG

RM. 6 THRU 8 LIGHTING

RM. 1 AND 5 LIGHITNG (EXISTING)

RM. 2 AND 3 LIGHTING (EXISTING)

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SS-1

WATTSTOPPER OR APPROVED EQUAL DIGITAL

CONTRACTOR IS RESPONSIBLE FOR PROVIDING

FECHNOLOGY IS BEING UTILIZED. PROVIDE

COMPLETION OF CONSTRUCTION.

E-002

RJ-45, CAT 5e CABLE. FOR CLARITY THE -

REQUIRED BY THIS CONTRACTOR.

E-002 SCALE: NONE

CAT5e IS NOT SHOWN ON THE PLAN. BUT IS

INTERCONNECTIONS FROM DEVICE TO DEVICE

LIGHTING MANAGEMENT SYSTEM. SYSTEM IS BASED

ON CAT 5e CABLING PLUG-N-LEARN TECHNOLOGY.

CABLING SHOWN ON DETAIL FOR ALL ROOMS WHERE

ALL OCCUPANCY SENSORS AND WALL SWITCH DEVICES

SHALL BE FULLY PROGRAMMED AND TESTED PRIOR TO

DLM WIRING DIAGRAM DETAIL

NEC 210.63 WP

INTEGRAL WITH ►

4" SQ. BOX-

FAN SHUT-DOWN SCHEMATIC

GFCI OUTLET

CONDUIT -

SUPPORT

TO JOIST

SMOKE DETECTOR

IN DUCT DETECTOR

UNIT.

EMT, AC, MC, ETC.

THE DUCT DETECTOR POWER SHALL COME FROM

RESPECTIVE HVAC UNIT. IN ALL CASES THE

REMOTE TEST STATION SHALL BE PROVIDED.

SURFACE MOUNTED, NEUTRAL BAR, GROUND BAR

1360

2220

4800

10780

19.4

4800

8640

240V

(VA)

SIZE

360 20/1

360 20/1

1500 20/1

360 20/1

720 20/1

720 20/1

20/1

20/1

20/1

20/1

20/1

20/1

40/2

3120

DESCRIPTION

RM. 5 AND 6 OUTLETS

RM. 5 AND 8 OUTLETS

WATER HEATER

RM. 5 OUTLETS

RM. 4 OUTLETS

RM. 5 OUTLETS (EXISTING)

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

ACU-2

REFER TO SHEET G-001 FOR BID LOT DESCRIPTIONS



RBM ENGINEERING INC. 1065 S. MAIN ST. BLDG D STE. A SHEET NO: LAS CRUCES, NM 88005 (575) 647-1554 FAX (575) 647-1563

DETAILS

CHECKED BY:

SHEET TITLE:

E-002

OUNT

19104L

RBM

ASA PROJECT NO. PROJECT NO: RBM DRAWN BY:

ELECTRICAL RISER, NOTES, SCHEDULE AND

ASA PROJECT NO. PROJECT NO: RBM DRAWN BY: RBM CHECKED BY:

SHEET TITLE:

ELECTRICAL LIGHTING AND **POWER NEW WORK** FLOOR PLANS



- (1) FOR THIS ROOM, CONTRACTOR SHALL PROVIDE, INSTALL, AND CONNECT OCCUPANCY SENSOR DEVICES AND CONTROLLERS AS SHOWN AND EXPLAINED IN DETAILS 4/E-002 AND 5/E-002. PROVIDE ALL LOW VOLTAGE WIRING REQUIRED FOR CONNECTIONS TO LIGHTING AS NEEDED. REFER TO SYMBOL LEGEND FOR TYPE OF WALL SWITCH, SENSORS, AND CONTROL REQUIRED FOR ROOM LAYOUT.
- (2) CONTRACTOR SHALL COORDINATE SENSOR DEVICE LOCATION WITH MANUFACTURER'S RECOMMENDATION. VERIFY LOCATION PRIOR TO ANY ROUGH-IN.
- (3) CONTRACTOR SHALL INSTALL NEW FIXTURES SHOWN AT LOCATION OF REMOVED FIXTURES. CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT MAINTAINED DURING DEMOLITION FOR THIS ROOM/AREA. EXTEND CIRCUITRY AS NEEDED WITH SAME SIZE CONDUIT AND WIRE.
- (4) CONTRACTOR SHALL PROVIDE NEW SWITCH SHOWN AT LOCATION OF REMOVED SWITCH TO CONTROL LIGHTING AS NOTED. CONNECT IN SAME FASHION AS PER PRIOR TO REPLACING.
- (5) NEW ACU SCHEDULED WITH AN INTEGRAL DISCONNECT. CONTRACTOR SHALL PROVIDE ALL CONNECTIONS TO AND FROM UNIT AS REQUIRED PER THE MANUFACTURER'S RECOMMENDATION. CONNECT HOMERUN TO INTEGRAL DISCONNECT AND PANEL NOTED. REFER TO TYPICAL ACU POWER CONNECTION DETAIL FOR MORE
- (6) NEW ACU SCHEDULED WITH AN INTEGRAL, NON-POWERED, CONVENIENCE OUTLET. CONTRACTOR SHALL PROVIDE A 120V CONNECTION REQUIRED TO THE INTEGRAL CONVENIENCE OUTLET FOR PROPER OPERATION PER ARTICLE 210.63 OF THE NEC. CONNECT OUTLET TO THE CLOSEST, NON-SWITCHED, CONVENIENCE OUTLET INSIDE THE BUILDING. REFER TO TYPICAL ACU POWER CONNECTION DETAIL FOR MORE INFORMATION.
- (7) LOCATION OF EXISTING IT RACK. STUB ALL NEW DATA CONDUITS TO BE PROVIDED TO THIS LOCATION. VERIFY STUB-UP LOCATION PRIOR TO ROUGH-IN.
- (8) CONTRACTOR SHALL POWER NEW EF SHOWN TO LIGHTING BRANCH CIRCUIT IN THE AREA. CONNECT EF TO A LINE VOLTAGE, 3-WAY OCC. SENSOR SWITCHES IN EACH OF THE ROOMS FOR CONTROL AS SHOWN.
- (9) CONTRACTOR SHALL POWER NEW EF SHOWN TO LIGHTING BRANCH CIRCUIT IN THE AREA. PROVIDE AND CONNECT TO PILOT SWITCH IN ROOM FOR CONTROL.
- (10) CONTRACTOR SHALL CONCEAL SPLICE BOX UNDERNEATH SINK COMPARTMENT. COORDINATE INSTALLATION PRIOR TO ANY WORK. REFER TO THE NEW WORK POWER RISER DIAGRAM AND ARCHITECTURAL PLANS FOR
- (11) CONTRACTOR SHALL INSTALL J-BOX AND CIRCUIT SHOWN AT THIS LOCATION FOR NEW LIT SIGNAGE. VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. ROUTE CIRCUIT THRU NEW TIMECLOCK FOR CONTROL.
- (12) ALL NEW CONDUIT SYSTEMS SHOWN AND NOTED TO BE PROVIDED AND ROUTED THRU THIS ROOM/AREA SHALL BE CONCEALED IN CEILING SPACE ABOVE. NO EXPOSED CONDUIT SYSTEMS ON ROOF OR BELOW CEILING WILL BE PERMITTED. CONTRACTOR SHALL COORDINATE WITH G.C. TO REMOVE WOOD CEILING PANELS IN ORDER TO ROUTE NEW CONDUIT SYSTEMS ABOVE. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
- (13) CONTRACTOR SHALL ROUTE BRANCH CIRCUIT AND CONTROL CONDUIT SHOWN FROM THE OUTDOOR UNIT TO THE INDOOR UNIT PARALLEL TO THE REFRIGERANT LINES FOR THE RESPECTIVE HVAC UNIT. PATCH ROOF AS REQUIRED. CONCEAL CONDUITS AS MUCH AS POSSIBLE.
- (14) CONTRACTOR SHALL INSTALL A SURFACE MOUNT OUTLET AT THIS LOCATION FOR TV MONITOR. CONNECT TO EXISTING OUTLET BELOW FOR POWER. UTILIZE WIREMOLD WHEN ROUTED ON WALLS AND TRANSITION TO CONDUIT WHEN ABOVE CEILING SPACE. NO EXPOSED CONDUIT WILL BE PERMITTED. PAINT OUTLET BOX AND WIREMOLD TO MATCH SURFACES.
- (15) CONTRACTOR SHALL INSTALL A SURFACE MOUNT DATA OUTLET WITH (2)-CAT6 CABLES AT THIS LOCATION FOR TV MONITOR. ROUTE CONDUIT AND CABLES AS SHOWN TO EXISTING IT RACK IN BAGGAGE HANDLING AREA. VERIFY IT RACK LOCATION WITH OWNER PRIOR TO ROUTING. UTILIZE WIREMOLD WHEN ROUTED ON WALLS AND TRANSITION TO CONDUIT WHEN ABOVE CEILING SPACE. NO EXPOSED CONDUIT WILL BE PERMITTED. PAINT OUTLET BOX AND WIREMOLD TO MATCH SURFACES. FACEPLATE AND FINAL CONNECTIONS AT OUTLET AND RACK BY THIS CONTRACTOR.
- (16) CONTRACTOR SHALL PROVIDE CIRCUIT AND ELECTRICAL CONNECTIONS AS REQUIRED FOR MOTORIZED OH DOOR AND INTEGRAL UP/DOWN SWITCH. VERIFY LOCATION WITH THE OWNER PRIOR TO ROUGH-IN.
- (17) CONTRACTOR SHALL INSTALL A SURFACE MOUNT OUTLET AT THIS LOCATION. CONNECT AS SHOWN FOR POWER. UTILIZE WIREMOLD WHEN ROUTED ON WALLS AND TRANSITION TO CONDUIT WHEN ABOVE CEILING SPACE. NO EXPOSED CONDUIT WILL BE PERMITTED. PAINT OUTLET BOX AND WIREMOLD TO MATCH
- (18) CONTRACTOR SHALL PROVIDE AND INSTALL A 50A/2P CB IN EXISTING PANEL NOTED ON HOMERUN TO POWER NEW HVAC UNIT. CB SHALL BE COMPATIBLE WITH EXISTING SIEMENS PANEL AND HAVE AN AIC RATING AS NOTED ON THE SHORT CIRCUIT CALCULATION. UPDATE DIRECTORY WHEN COMPLETED.
- (19) CONTRACTOR SHALL ROUTE NEW UG FEEDERS AS SHOWN THRU EXISTING GRASS/GRAVEL LANDSCAPE AREA. CUT, PATCH, AND REPAIR TO PRE-CONSTRUCTION CONDITIONS WHEN COMPLETED. REFER TO TRENCHING DETAIL ON THIS SHEET FOR MORE INFORMATION.
- (20) TRANSITION POINT FROM UG, TO EXPOSED ON EXTERIOR WALL, TO INSIDE THE BLDG. SPACE. CONTRACTOR SHALL ROUTE NEW UG FEEDERS SHOWN UP HIGH TO AVOID ANY OBSTRUCTIONS INSIDE THE BLDG. SPACE. PAINT EXPOSED CONDUITS TO MATCH SURFACES.
- (21) OPEN TO STRUCTURE IN THIS AREA. CONDUIT SYSTEM(S) ROUTED THRU THIS AREA SHALL BE INSTALLED UP HIGH AND MOUNTED FROM THE STRUCTURE. PAINT CONDUIT SYSTEMS TO MATCH SURFACES THEY ARE
- (22) LAY-IN CEILING IN THIS ROOM/AREA. CONDUIT SYSTEM(S) ROUTED THRU THIS AREA SHALL BE LOCATED ABOVE THE CEILING SPACE. NO EXPOSED CONDUITS WILL BE PERMITTED IN THIS AREA.
- (23) CONTRACTOR SHALL CONNECT OUTLET SHOWN TO CLOSEST GFCI OUTLET FOR GFCI PROTECTION AS REQUIRED PER THE NEC.
- (24) CONTRACTOR SHALL PROVIDE NEW FIXTURE SHOWN AND CONNECT TO EXISTING EXTERIOR BRANCH CIRCUIT IN THE AREA FOR POWER AND CONTROL. PROVIDE A CONTINUOUS HOT AS REQUIRED FOR EM OPERATION
- (25) REFER TO ENLARGED PLAN FOR PROPOSED ELECTRICAL SERVICE EQUIPMENT LOCATIONS.
- (26) CONTRACTOR SHALL CONNECT NEW FIXTURES SHOWN TO EXISTING EXTERIOR LIGHTING CIRCUIT FOR POWER AND CONTROL. INTERCEPT EXISTING EXTERIOR CIRCUIT IN THE AREA AND EXTEND TO NEW FIXTURES NOTED. UTILIZE SAME SIZE CONDUIT AND WIRE.
- (27) CONTRACTOR SHALL INSTALL FIXTURE(S) SHOWN UNDERNEATH STEEL CANOPY, ADJACENT TO BEAMS SHOWN. COORDINATE WITH ARCHITECTURAL/STRUCTURAL PLANS FOR MORE INFORMATION AND DIRECTION
- (28) CONTRACTOR SHALL INSTALL FIXTURE BELOW CANOPY, 12" AWAY FROM SIDE OF DOOR FRAME.
- (29) CONTRACTOR SHALL INSTALL FIXTURE 6" ABOVE CENTER OF DOOR FRAME. 6" IS FROM BOTTOM OF FIXTURE TO TOP OF DOOR FRAME.
- (30) CONTRACTOR SHALL INSTALL FIXTURE 10' A.F.F.

EXISTING

EXISTING PHONE

DEMARC-

EXISTING

BAGGAGE

2

EXISTING AIRPORT

RADIO EQ AND

ANTENNA

POWER/SS NEW WORK FLOOR PLAN

E-101 SCALE: 1/8"=1'-0'

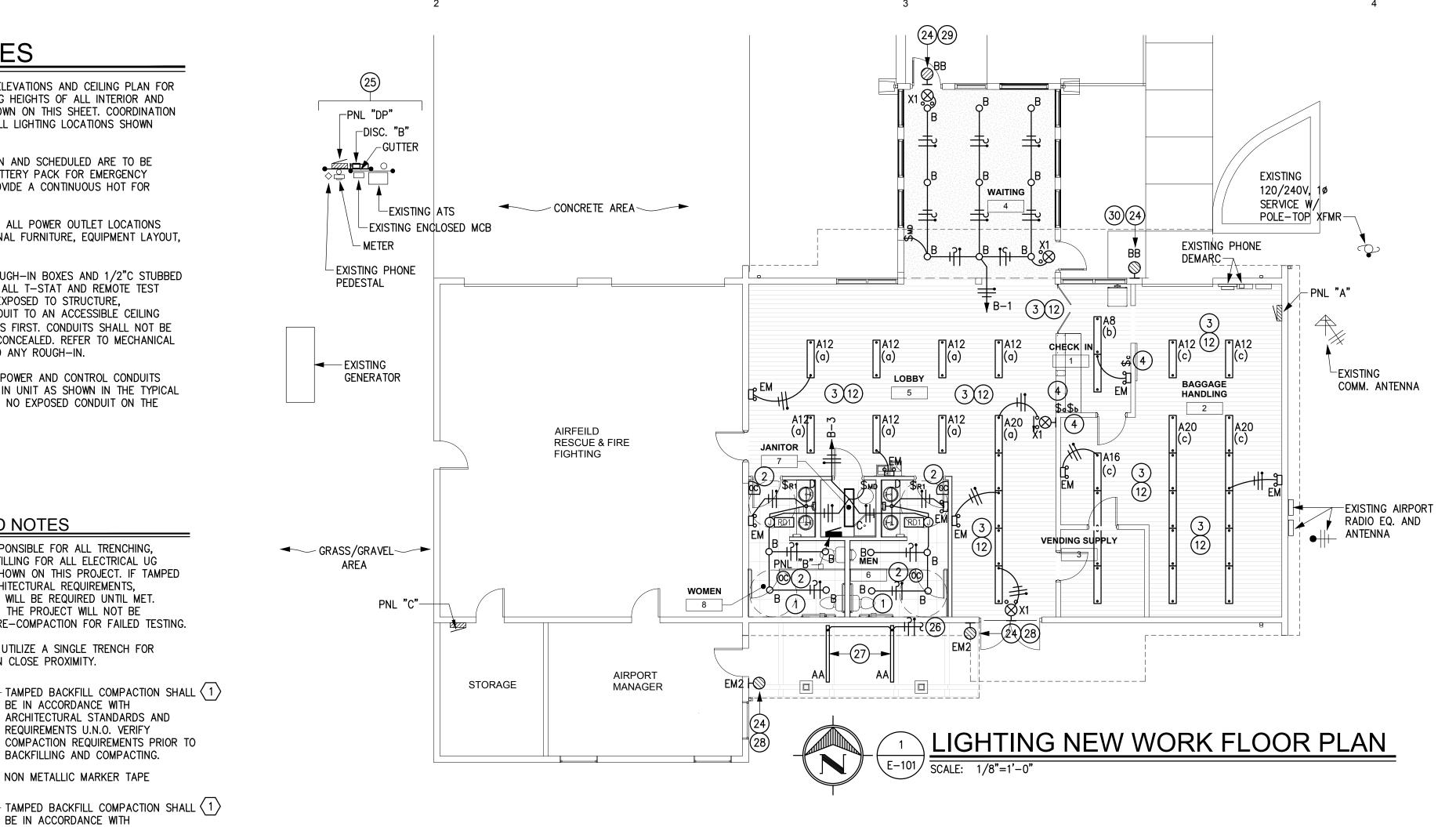
HANDLING

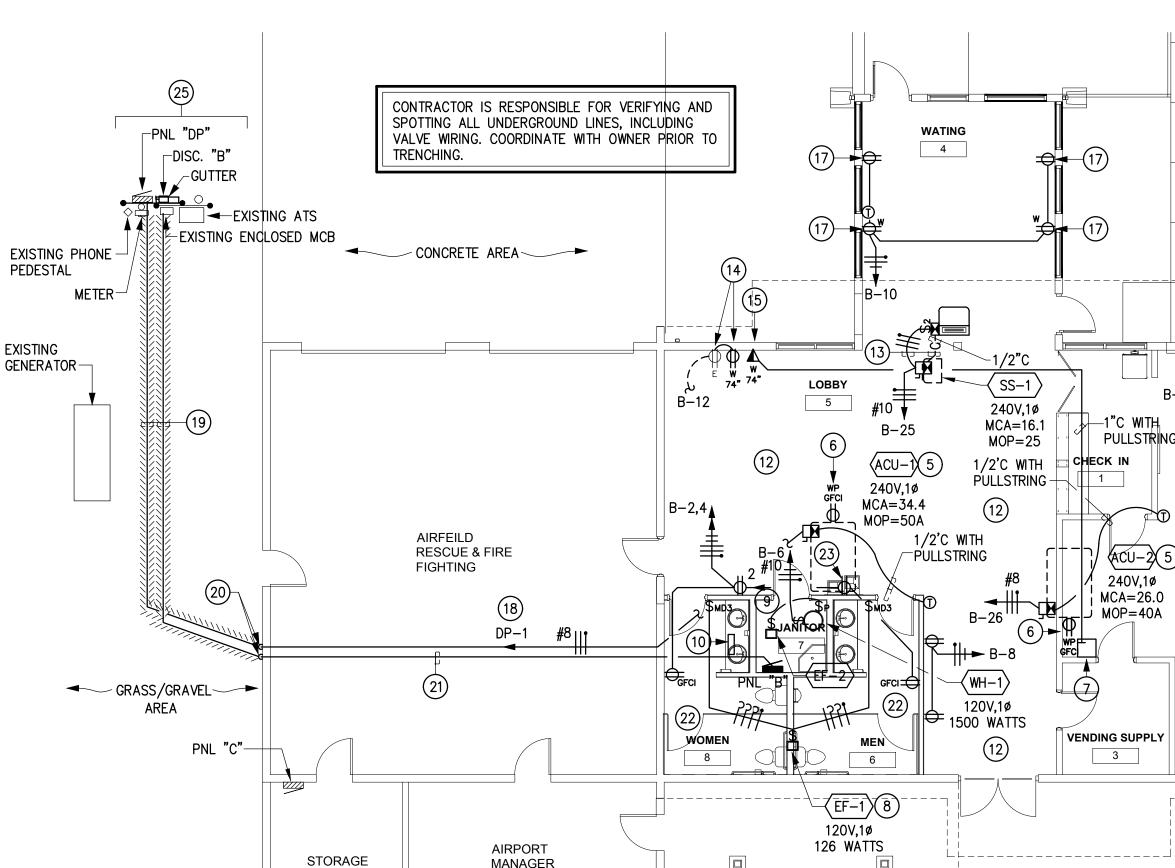
COMM. ANTENNA-

120/240V, 1

SERVICE W/

POLE-TOP XFMR-





NEW MEXICO 'ONE CALL SYSTEM' IT'S THE LAW #1-800-321-2537 (US) CALL TWO WORKING DAYS BEFORE YOU DIG IN NEW MEXICO #811 (NM)

REFER TO SHEET G-00° FOR BID LOT DESCRIPTIONS



RBM ENGINEERING INC. 1065 S. MAIN ST. BLDG D STE. A SHEET NO: LAS CRUCES, NM 88005 575) 647-1554 FAX (575) 647-1563

GENERAL NOTES

PRIOR TO ANY WORK.

PROPER FIXTURE OPERATION.

AND ARCHITECTURAL PLANS.

ROOF WILL BE PERMITTED.

■ 12" MIN.

~~~

0000

E-101/ SCALE: NONE

MODIFY EXISTING

**NEW EQUIPMENT** 

EXISTING PHONE -

RACK TO FIT

SHOWN.

**PEDESTAL** 

~~~

GRADE-

A. REFER TO THE ARCHITECTURAL ELEVATIONS AND CEILING PLAN FOR

WITH G.C. IS MANDATORY FOR ALL LIGHTING LOCATIONS SHOWN

POWER. CONTRACTOR SHALL PROVIDE A CONTINUOUS HOT FOR

AND MOUNTING HEIGHTS WITH FINAL FURNITURE, EQUIPMENT LAYOUT,

D. CONTRACTOR SHALL PROVIDE ROUGH-IN BOXES AND 1/2"C STUBBED

TO AN ACCESSIBLE CEILING FOR ALL T-STAT AND REMOTE TEST

CONTRACTOR SHALL ROUTE CONDUIT TO AN ACCESSIBLE CEILING AND/OR WALL, WHICHEVER COMES FIRST. CONDUITS SHALL NOT BE

E. CONTRACTOR SHALL ROUTE ALL POWER AND CONTROL CONDUITS

EXPOSED WHERE THEY CAN BE CONCEALED. REFER TO MECHANICAL

FROM UNITS SHOWN CONCEALED IN UNIT AS SHOWN IN THE TYPICAL

(1) CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING,

BACKFILL FAILS ARCHITECTURAL REQUIREMENTS,

ADDITIONAL TAMPING WILL BE REQUIRED UNTIL MET

ADDITIONAL COST TO THE PROJECT WILL NOT BE

(2) CONTRACTOR SHALL UTILIZE A SINGLE TRENCH FOR

MULTIPLE CONDUIT IN CLOSE PROXIMITY.

TESTING, AND BACKFILLING FOR ALL ELECTRICAL UG

CONDUIT SYSTEMS SHOWN ON THIS PROJECT. IF TAMPED

ACCOUNTABLE FOR RE-COMPACTION FOR FAILED TESTING.

BE IN ACCORDANCE WITH

ARCHITECTURAL STANDARDS AND REQUIREMENTS U.N.O. VERIFY

BACKFILLING AND COMPACTING.

ARCHITECTURAL STANDARDS AND

COMPACTION REQUIREMENTS PRIOR TO

REQUIREMENTS U.N.O. VERIFY

BACKFILLING AND COMPACTING.

- NON METALLIC MARKER TAPE

BE IN ACCORDANCE WITH

-ELECTRICAL CONDUITS $\langle 2
angle$

←EXISTING ATS

EXISTING ENCLOSED MCB

TRENCH DETAIL

COMPACTION REQUIREMENTS PRIOR TO

ACU POWER CONNECTION DETAIL. NO EXPOSED CONDUIT ON THE

STATION LOCATIONS SHOWN. IF EXPOSED TO STRUCTURE,

PLANS FOR LOCATIONS PRIOR TO ANY ROUGH-IN.

TRENCH KEYED NOTES

C. CONTRACTOR SHALL COORDINATE ALL POWER OUTLET LOCATIONS

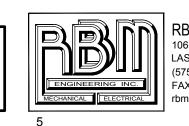
B. ALL EMERGENCY FIXTURES SHOWN AND SCHEDULED ARE TO BE PROVIDED WITH AN INTEGRAL BATTERY PACK FOR EMERGENCY

EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL INTERIOR AND

EXTERIOR BUILDING LIGHTING SHOWN ON THIS SHEET. COORDINATION

ELECTRICAL SERVICE

ENELARGED ELEC. PLAN



E-101