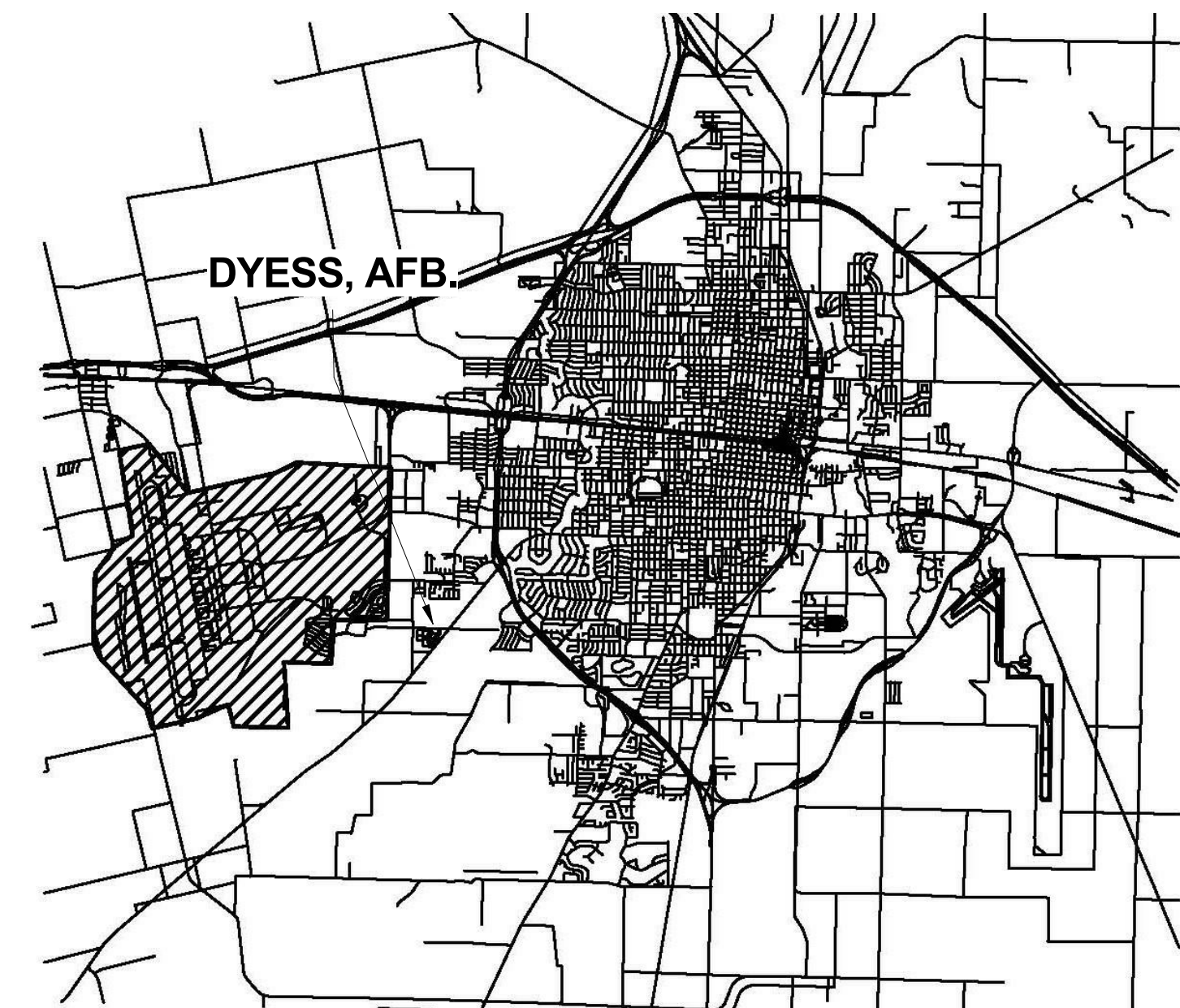
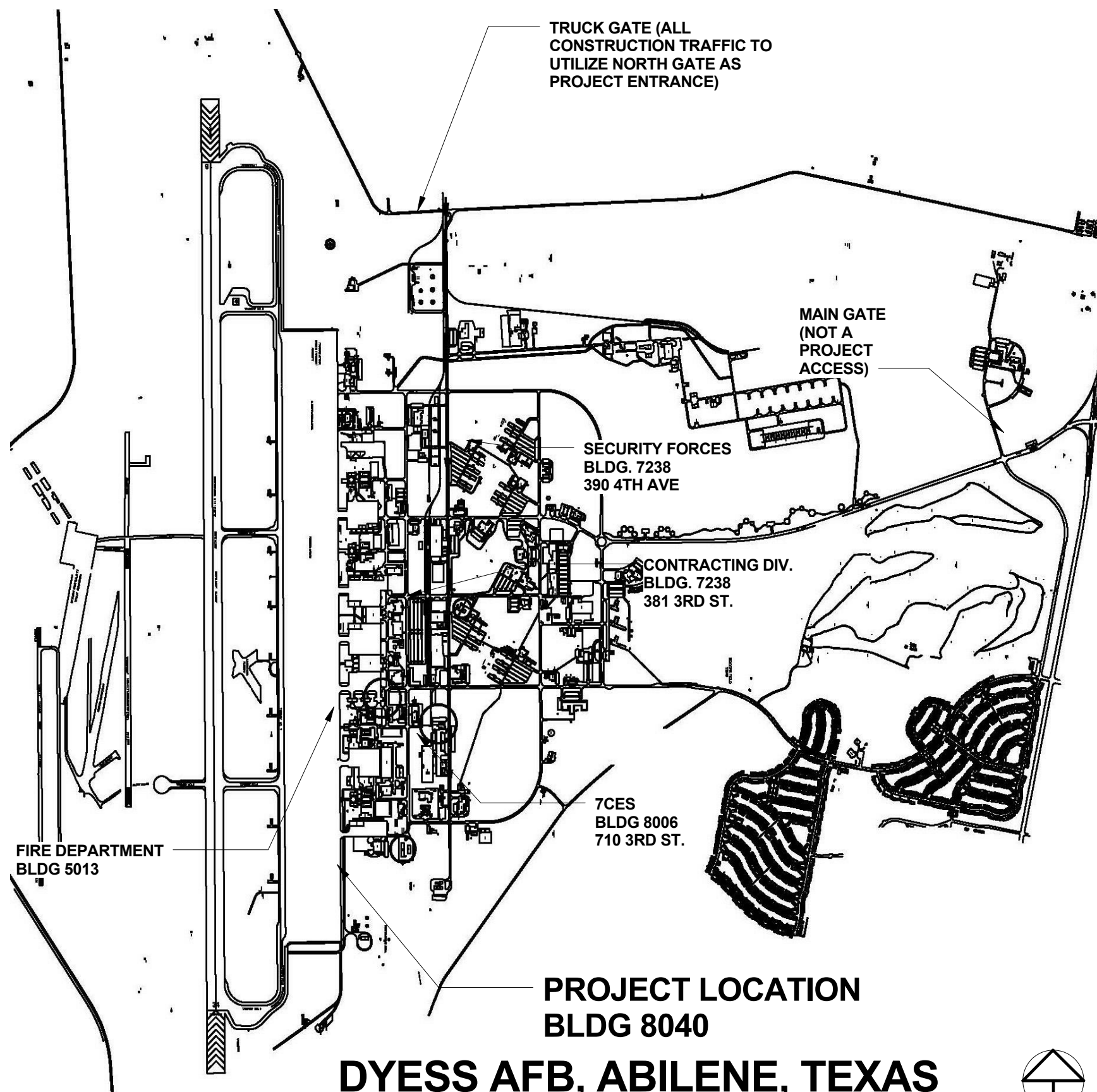


7TH ENGINEER SQUADRON

8040 MX SHOP RENOVATION



ABILENE, TEXAS



PROJECT LOCATION
BLDG 8040
DYESS AFB, ABILENE, TEXAS

SHEET LIST			
Seq. No.	Sheet Number	Sheet Name	Sheet Issue Date
1	A000	COVER	11/21/16
2	C-001	SITE PLAN	11/21/16
3	A001	DEMOLITION PLAN	11/21/16
4	A002	ZONE PLAN	11/21/16
5	A101	REFERENCE PLAN	11/21/16
6	A102	ENLARGED PLAN SOUTH	11/21/16
7	A103	ENLARGED PLAN NORTH	11/21/16
8	A104	EQUIPMENT PLAN	11/21/16
9	A105	CEILING PLAN	11/21/16
10	A106	ROOF PLAN	11/21/16
11	A107	WALL REF.	11/21/16
12	A200	ELEVATIONS	11/21/16
13	A201	ELEVATIONS	11/21/16
14	A300	SECTIONS	11/21/16
15	A301	SECTIONS	11/21/16
16	A302	SECTIONS	11/21/16
17	A303	SECTIONS	11/21/16
18	A304	SECTIONS	11/21/16
19	A305	SECTIONS	11/21/16
20	A400	WALL SECTIONS	11/21/16
21	A401	WALL SECTIONS	11/21/16
22	A402	WALL SECTIONS	11/21/16
23	A500	PLAN DETAILS	11/21/16
24	A501	PLAN DETAILS	11/21/16
25	A502	DETAILS	11/21/16
26	A600	DOOR SCHEDULE	11/21/16
27	A601	ENLARGE PLAN	11/21/16
28	A602	ENLARGED ELEVATIONS	11/21/16
29	A603	FINISH PLAN	11/21/16
30	A700	CONNECTION DETAILS	11/21/16
31	A701	CONNECTION DETAILS	11/21/16
32	S0.0	GENERAL NOTES	11/21/16
33	S0.1	GENERAL NOTES	11/21/16
34	S0.2	SPECIAL INSPECTIONS AND ABBREVIATIONS	11/21/16
35	S0.3	TYPICAL DETAILS	11/21/16
36	S0.4	TYPICAL DETAILS	11/21/16
37	S1.0	DEMOLITION PLAN	11/21/16
38	S2.0	OVERALL FOUNDATION PLAN	11/21/16
39	S2.1	PARTIAL FOUNDATION PLAN	11/21/16
40	S2.2	PARTIAL FOUNDATION PLAN	11/21/16
41	S3.0	FOUNDATION DETAILS	11/21/16
42	S4.0	OVERALL FRAMING PLAN	11/21/16
43	S4.1	PARTIAL FRAMING PLAN	11/21/16
44	S4.2	PARTIAL FRAMING PLAN	11/21/16
45	S5.0	SECTIONS AND ELEVATIONS	11/21/16
46	S5.1	SECTIONS ABD ELEVATIONS	11/21/16
47	S5.2	SECTIONS AND ELEVATIONS	11/21/16
48	S5.3	SECTIONS AND ELEVATIONS	11/21/16
49	S6.0	FRAMING DETAILS	11/21/16
50	S6.1	FRAMING DETAILS	11/21/16
51	S6.2	FRAMING DETAILS	11/21/16
52	FA101	FIRE SPRINKLER DEMO PLAN	11/21/16
53	FS101	FIRE SPRINKLER DEMO PLAN	11/21/16
54	FA201	NEW FIRE ALARM PLAN	11/21/16
55	FS201	NEW FIRE SPRINKLER PLAN	11/21/16
56	FA202	FIRE SPRINKLER RISER/HANGER DETAIL	11/21/16
57	FS202	DETAILS	11/21/16
58	MEP-1.0	SITE PLAN	11/21/16
59	MEP-1.1	ROOF PLAN	11/21/16
60	MEP-1.2	MECH-PLMBG-ELECT. DEMOLITION PLAN	11/21/16
61	MPE-1.3	PARTIAL SITE PLAN, SECTIONS AND AIR PIPING SCHEMATIC	11/14/16
62	MPE-1.4	DETAILS	11/14/16
63	MPE-1.5	DETAILS	11/14/16
64	M-2.0	MECH - (HVAC) FLOOR PLAN	11/21/16
65	M-2.1	PARTIAL MECH. (HVAC) FLOOR PLAN	11/21/16
66	M-3.0	DETAILS	11/21/16
67	M-3.1	MECH. SYMBOL LEGEND & DETAILS	11/21/16
68	M-3.2	DETAILS	11/21/16
69	M-3.3	DETAILS	11/21/16
70	M-4.0	SCHEDULES	11/21/16
71	M-5.0	SECTIONS	11/21/16

ARCHITECT:
CASTILLO ARCHITECTS
981 SOUTHPARK DR
LITTLETON, CO
CONTACT: ALBERTO A CASTILLO JR.
303-698-1717 EXT 301
PARTICIPANTS
1/4" = 1'-0"

STRUCTURAL ENGINEERING:
HCL ENGINEERING
9570 KINGSTON CT.
ENGLEWOOD, CO 80112
CONTACT: JASON DAHNKE
303-773-1605 EXT 111

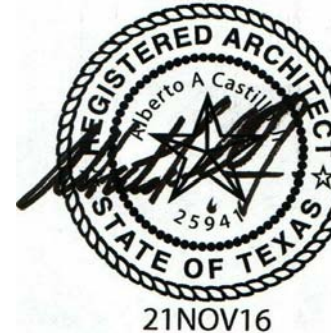
MEP:
WTA, INC.
1 VILLAGE DR #500
ABILENE, TEXAS 79606
CONTACT: CRAIG MANAWES
325-695-1090

FIRE PROTECTION ENGINEER:
MEH FIRE PROTECTION
1311 RIVER OAKS DR.
FLOWER MOUND, TX 75028
CONTACT: MARK HASENMEYER
972-474-2662

ENVIRONMENTAL CONSULTANT:
ENPROTEC / HIBBS & TODD
402 CEDAR ST
ABILENE, TX 79601
CONTACT: MARK MCHAN
325-698-5560

HEX CHROME AND LEAD CONSULTANT:
FACILITY PERFORMANCE
PO BOX 801476
DALLAS, TX 75380
CONTACT: GERALD KETTLER
214-217-4626

COST ESTIMATING:
CONNICO
2894 N. MOUNT JULIET RD
MOUNT JULIET, TX 75822
CONTACT: JEFFREY BOWMAN
615-758-7474



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

001

DRAWING NUMBER FACILITY NUMBER
12-0053-A000.dwg 8040



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SIGNATURE OFFICE

COORDINATION

Castillo Architects

981 Southpark Dr.

Littleton, Colorado

[303] 698.1717

Designer Project Manager

AAC AAC

Drafter Date

AAC 21 NOV 16

REVISION BY/DATE

SHEET TITLE

COVER

SHEET A000

PROJECT TITLE
REPAIR
MAINTENANCE SHOP
BUILDING 8040

PROJECT NUMBER
FNZW 12-0053

DRAWING NUMBER FACILITY NUMBER
12-0053-A000.dwg 8040

GENERAL NOTES

1. PROSPECTIVE BIDDERS MAY CONTACT ONLY THE BASE CONTRACTING OFFICE - 7 CONS/LGCA, 381 3rd STREET, DYESS AFB, TX. 79607-1581; (325) 696-3685 FOR ANY AND ALL INFORMATION WITH REGARDS TO THIS INVITATION FOR BIDS.

2. ALL WORK IS NEW UNLESS OTHERWISE INDICATED TO BE EXISTING, REUSED OR RELOCATED. GC IS RESPONSIBLE TO SHORE ALL EXISTING MOMENT FRAMES AS REQUIRED UNTIL SAID ITEMS ARE ABLE TO STAND ALONE.

3. CONTRACTOR SHALL OBTAIN A COMPLETED AF FORM 103, "WORK CLEARANCE REQUEST" FROM THE CONTRACTING OFFICER PRIOR TO PERFORMANCE OF ON-SITE WORK.

4. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO EXCAVATION OR TRENCHING.

5. CONTRACTOR SHALL HAND DIG WITHIN 5 FEET EITHER SIDE OF UTILITY CROSSING UNTIL THE UTILITY IS PHYSICALLY EXPOSED PRIOR TO PERFORMING EXCAVATION OR TRENCHING.

6. PAINT ALL EXPOSED FIRE SUPPRESSION SYSTEM PIPING, VALVES AND EQUIPMENT EXCEPT IN EXISTING MECHANICAL ROOMS

7. ANY BREACH OF POTABLE WATER LINES SHALL BE REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH SPECIFICATION SECTION 01510 UTILITIES (CONTRACTOR IDENTIFIED), BACTERIOLOGICAL SAMPLING/TESTING OF THE WATER AFTER COMPLETION OF REPAIRS SHALL BE BY 7 CES/CEO; (325) 696-2056.

8. ANY ACCIDENTAL CUTTING OF FIBER OPTICS CABLE OR MULTI-PAIRED COMMUNICATIONS CABLE SHALL BE REPAIRED IN A MANNER SATISFACTORY TO AND APPROVED BY 7 CS/SCXP AT (325) 696-4433.

9. FIRE CAULK ALL NEW FIRE WATER PENETRATIONS THROUGH FIRE WALLS.

10. CONTRACTOR SHALL BE REQUIRED TO VERIFY ALL INFORMATION INDICATED HEREIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK AROUND OR MAKE APPROPRIATE CONNECTIONS AS REQUIRED TO UTILITIES REGARDLESS OF ACCURACY OF THE EXISTING UTILITIES AND STRUCTURAL INFORMATION PROVIDED WITHIN THESE DOCUMENTS.

11. GENERAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH CONSTRUCTION DOCUMENTS AND SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BID.

12. GENERAL CONTRACTOR TO NOTIFY CONTRACTING OFFICER OF ANY CONDITIONS OR DISCREPANCIES WHICH MAY AFFECT THE WORK OF THIS PROJECT. GENERAL CONTRACTOR TO ESTABLISH SIMILAR SYSTEM BETWEEN ALL SUBCONTRACTORS AND THEMSELVES, AND AGAIN PROVIDE NOTIFICATION BACK TO THE CONTRACTING OFFICER.

13. GENERAL CONTRACTOR SHALL PERFORM ALL WORK WHICH MAY BE REASONABLY INFERABLE FROM THE CONSTRUCTION DRAWINGS AS NECESSARY TO ACHIEVE THE INTENDED RESULTS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR WISHES TO MAKE SUBSTITUTIONS THE GC WILL TAKE ON ALL ARCHITECTURAL AND ENGINEERING FEES TO EVALUATE, DESIGN INTO THE DOCUMENTS AND RESUBMIT TO THE JURISDICTION. SUBSTITUTIONS ARE ONLY ACCEPTED FROM THE GENERAL CONTRACTOR.

14. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES. NOTIFY CONTRACTING OFFICER OF ANY CONDITIONS OR DETAILS WHICH MAY NOT CONFORM TO SUCH CODES.

15. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE.

16. IN THE EVENT OF CONFLICTING OR UNCLEAR INFORMATION, THE GENERAL CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE COMMENCING WITH THE AFFECTED WORK. RFIS WILL ONLY BE ACCEPTED FROM GENERAL CONTRACTOR. ONE QUESTION PER RFI NUMBER, NO EXCEPTIONS.

17. METAL PANEL BASIS OF DESIGN: MBCI

18. GENERAL CONTRACTOR SHALL PROVIDE ALL CUSTOMARY GENERAL CONDITIONS ASSOCIATED WITH PROJECTS OF THIS TYPE AND SCOPE, INCLUDING BUT NOT LIMITED TO: TRASH DUMPSTER, HAULING, FINAL CONSTRUCTION CLEANING, CONSTRUCTION SITE SECURITY, SITE FIRE EXTINGUISHERS AS REQUIRED BY CODE, PORTABLE TOILETS, ECT.

19. GC TO COORDINATE ALL PLUMBING PIPES AND PENETRATIONS THROUGH FOUNDATIONS AND CMU BLOCK WALLS. ALL PENETRATIONS BELOW GROUND ARE TO BE SLEEVED AND COLLARS PROVIDED BEFORE ANY BACK FILL IS PLACED. CMU BLOCK PENETRATIONS ARE TO BE CORE DRILLED.

20. GENERAL CONTRACTOR, SUBCONTRACTORS AND MATERIAL PERSONS SHALL GUARANTEE THAT FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER, AND SHALL REPLACE ALL DEFECTIVE WORK AND ANY OTHER WORK DAMAGED BY THE DEFECTIVE WORK WITHOUT COST, FOR ANY AND ALL ITEMS WHICH BECOME DEFECTIVE DURING THE WARRANTY PERIOD. ADDITIONAL SPECIAL WARRANTIES SHALL ALSO BE PROVIDED FOR CERTAIN ITEMS, INCLUDING BUT NOT LIMITED TO: ROOFING, MECHANICAL EQUIPMENT, ETC.

21. DESIGN LOADS: SEE STRUCTURAL DRAWINGS FOR DESIGN LOADS.

22. SITEWORK:
G.C. SHALL BE RESPONSIBLE FOR GRADING OF SITE.
PERFORM EXCAVATION ACCORDING TO GOOD COMMON CONSTRUCTION PRACTICES TO THE COMPLY WITH GRADES AND ELEVATIONS INDICATED ON THE DRAWINGS. IF NO GRADE IS GIVEN SLOPE GRADES 2% AWAY FROM BUILDING. PROVIDE DUST CONTROL VIA WATER TRUCKS AS REQUIRED.

23. MASONRY:
PROVIDE CMU BLOCK FROM SAME BATCH RUN. TOP OF WAINSCOT WALL TO HAVE BOND BEAM GROUTED SOLID WITH REBAR REINFORCEMENT. PROVIDE HORIZONTAL LADDER REINFORCEMENT. SEE STRUCTURAL DRAWINGS FOR SPECIFIC REINFORCEMENT REQUIREMENTS PROVIDE MORTAR SCREEN AT BOTTOM OF WALL AND WEEP HOLES EVERY 4' OR MINIMUM OF 2 PER BRICK RUN.

PROVIDE 1-3/4" AIR SPACE BETWEEN SHEATHING AND CMU

24. FLASHING: PROVIDE AND INSTALL FLASHING AND SHEET METAL AT ALL DOORS, WINDOWS, ROOF TRANSITIONS AND VALLEYS AS REQUIRED TO PREVENT PENETRATION OF WATER THROUGH THE EXTERIOR SHELL OF THE BUILDING.

PROVIDE AND INSTALL APPROPRIATE FLASHING AS SHOWN ON THE DRAWINGS AND AT THE FOLLOWING SPECIFIC LOCATIONS:

- ROOF WALL INTERSECTIONS
- ROOF PENETRATIONS SUCH AS ROOF VENTS, FLUES ETC.
- DOOR AND WINDOW HEAD TRIM
- CANOPY CONNECTIONS
- MASONRY SILLS AND CAPS

AT WALL TRANSITION PROVIDE 4.25" STO MESH WITH TROWLED APPLIED STO GOLD SEAL

25. THERMAL AND MOISTURE PROTECTION:
MATERIALS AND INSTALLATIONS SHALL COMPLY WITH GOVERNING CODES AND WITH PERTINENT RECOMMENDATIONS CONTAINED IN CURRENT EDITION OF "SMACNA".

PROVIDE BATT INSULATION (R19 UNLESS DESIGNATED) IN ALL FRAMED WALLS WITH INTERIOR VAPOR BARRIER BY RAVEN INDUSTRIES DURA SKRIM 6 MIL FIRE RETARDANT ON WARM SIDE OF INSULATION FROM FINISH FLOOR TO ROOF DECK. SECURE TO STUDS WITH FASTENERS AND SEAL ALL SEAMS WITH VAPOR BARRIER TAPE TVB4).

PROVIDE STO MESH 4.25" AT ALL VERTICAL AND HORIZONTAL JOINTS OF SHEATHING WITH TROWEL APPLIED STO GOLD FILL.

PROVIDE STO MESH 9.25" AT ALL FRAMING SHEATHING ABOVE STOREFRONT/WINDOW/DOORS. REINFORCE ALL CORNERS WITH ADDITIONAL MESH AND ALL TRANSITION CORNERS TO BE SET IN STO GOLD FILL. TROWEL APPLIED.

PRIOR TO ADDING ANY FINISHES AND ROOF TO THE BUILDING ALL EXTERIOR SHEATHING/THIS INCLUDES THE PARAPET SHEATHING), AFTER JOINT PREP. TO BE PROVIDE WITH STO VAPOR SEAL SPRAYED APPLIED. THIS INCLUDES ALL PLYWOOD/SHEATHING RETURNS FOR STOREFRONT/DOORS/WINDOWS AND PARAPETS..

ALL STOREFRONT AND STUDS AT SILLS AND WAINSCOT WALLS ARE TO BE SET ON SEALANT WITH OWENS CORNING FOAM SEALER. PROVIDE SEALANT AT BOTH SIDE OF METALS STUDS AND STOREFRONT.

ALL CMU, AFTER INSTALLATION, ARE TO BE SEALED WITH PENETRATING BLOC TREATMENT.

26. ROOF:
STANDING SEAM ROOF. SEE ROOF PLAN.

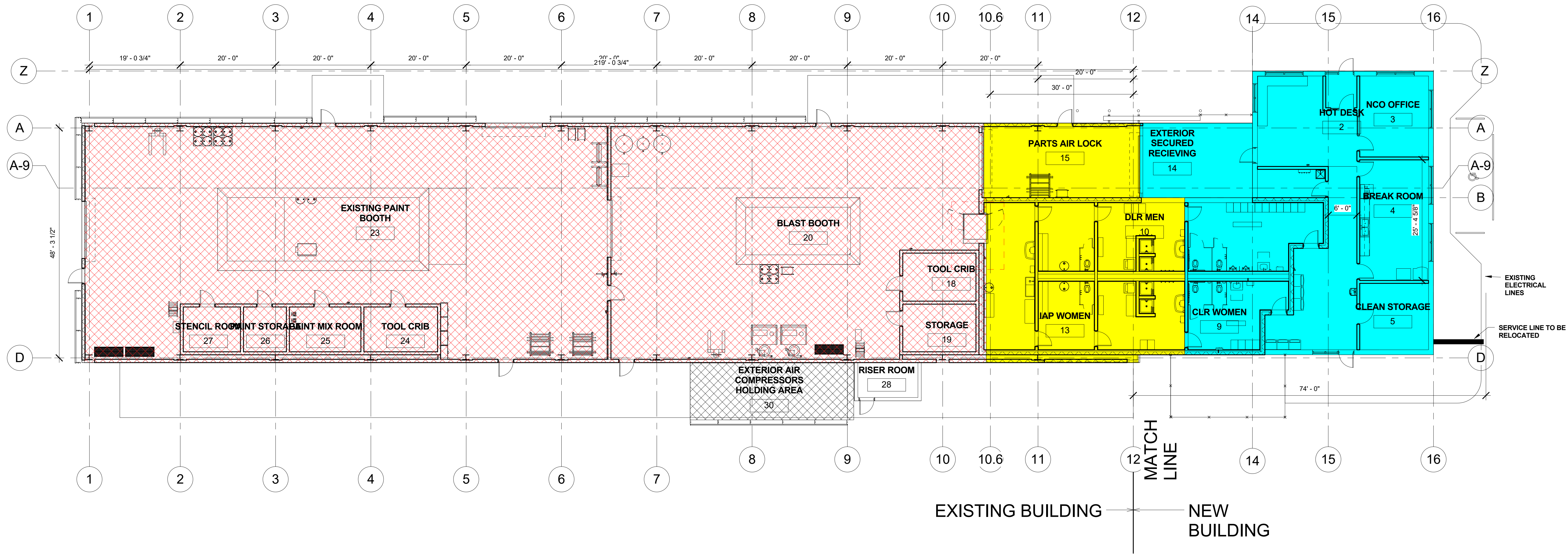
ROOF PANELS TO BE MBCI INSULATED ROOF PANELS (R-30)

27. POST REMEDIATION CLEANING:
ALL STEEL JOIST, METAL DECK AND METAL STUDS, PRIOR TO STOREFRONT/SHEATHING ERECTION, TO BE POWER WASHED OF ALL DIRT AND MUD.

GC TO BE PREPARED TO SCRUB OFF MUD.

GENERAL NOTES

1/4" = 1'-0"



① Level 1-ZONE PLAN
3/32" = 1'-0"



"HOT" AREA

IS DEEMED AS AN AREA THAT GENERATES CONTAMINANTS THAT ARE TO BE CONTAINED WITHIN THE SPACE. FULL PROTECTIVE GEAR IS REQUIRED TO ENTER THE SPACE WHILE THE FACILITY IS IN OPERATION. IT IS THE INTENT TO NOT HAVE HORIZONTAL SPACES OR SPACES THAT ARE DIFFICULT TO ACCESS IN ORDER TO MAINTAIN A "CLEAN" ENVIRONMENT.



"WARM " AREA

IS DEEMED AS THE AREA WHERE PROTECTIVE GEAR IS REMOVED AND DISPOSED OF OR CLEANED FOR RE-USE. SHOWER FACILITIES ARE PROVIDED AS PART OF THE SAFETY PROTOCOL AS WELL AS SINKS, 50 GALLON DRUMS, AND WASHER/DRYER.



"COLD" AREA

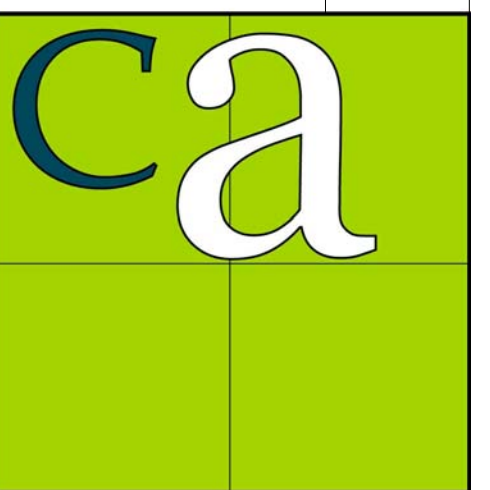
IS DEEMED AS AN AREA THAT IS FREE FROM CONTAMINANTS. GENERAL OFFICES, BREAK ROOMS, STORAGE, AND RESTROOMS/LOCKER ROOMS ARE PROVIDED.



**DYESS
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Texas**

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COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer AAC	Project Manager AAC
Drafter AAC	Date 21 NOV 16

REVISION	BY/DATE

SHEET TITLE

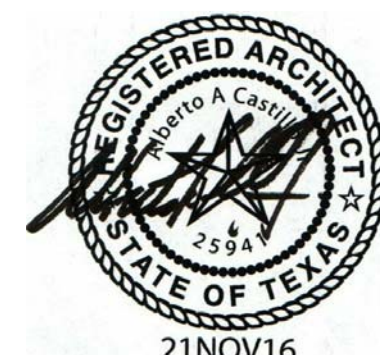
ZONE PLAN

SHEET **A002**

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER
FNZW 12-0053

DRAWING NUMBER FACILITY NUMBER
12-0053-A002.dwg 8040

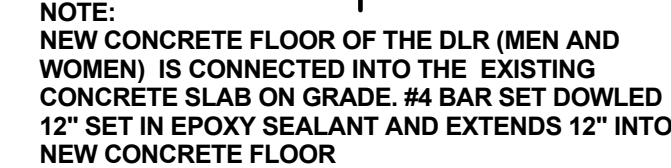


Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

004

21NOV16

FLOOR PLAN KEYNOTE LEGEND

APPROVED	
SIGNATURE	OFFICE



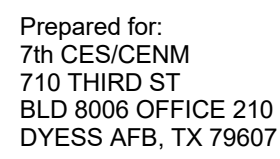
Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION	BY/DATE
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REFERENCE PLAN

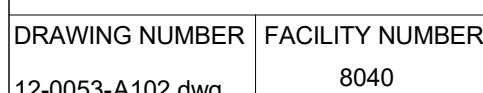
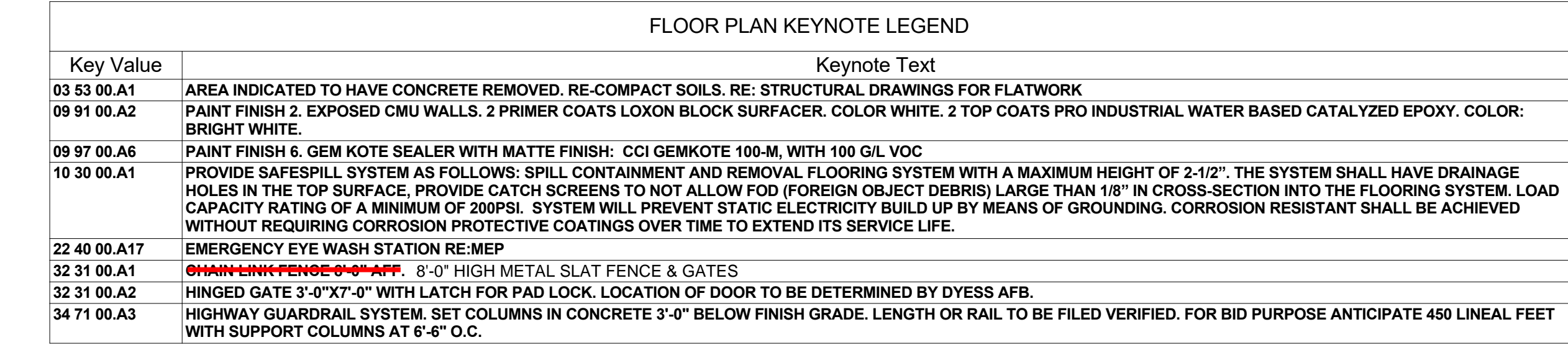
PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

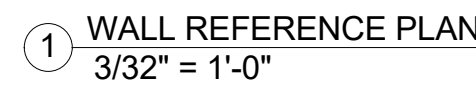
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DRAWING NUMBER 12-0053-A101.dwg	FACILITY NUMBER 8040



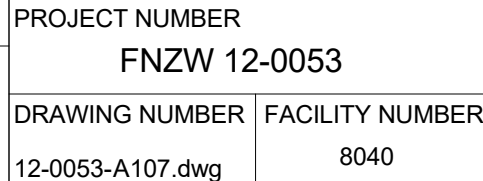
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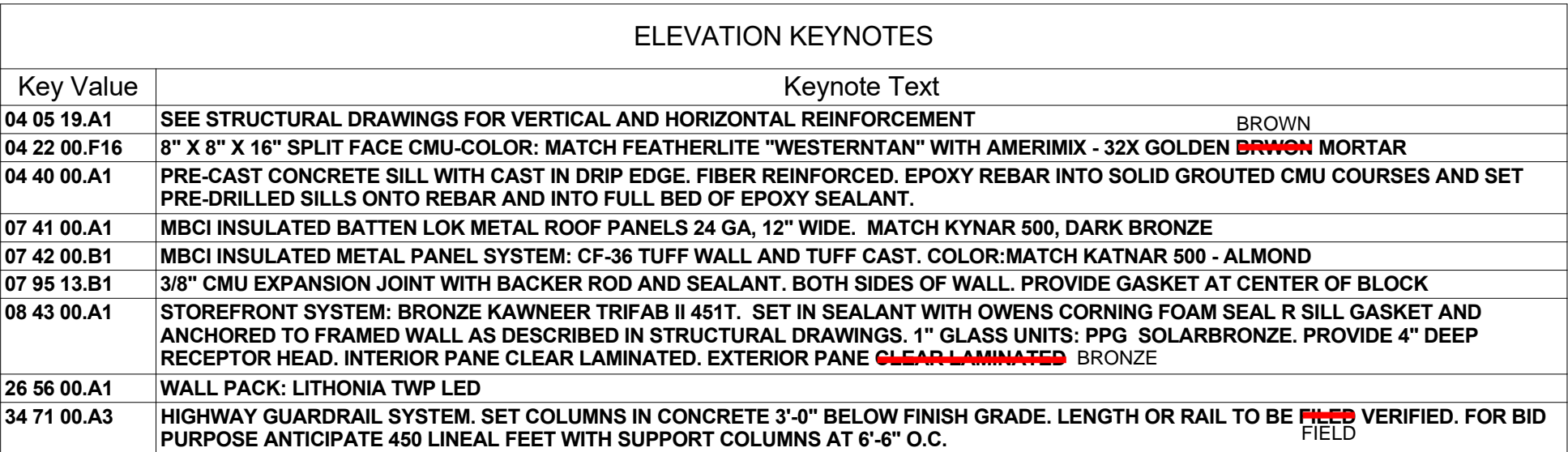
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- WALL NOTES
1/4" = 1'-0"



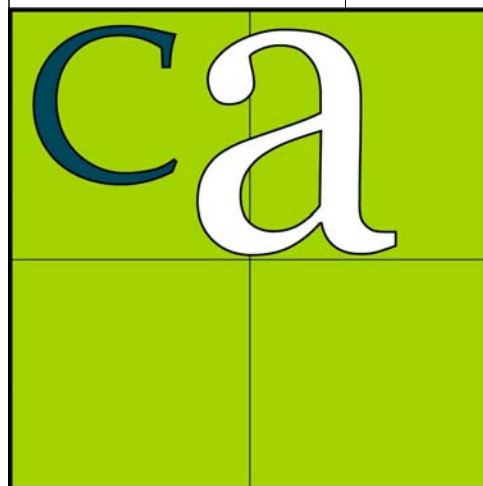


**DYESS
Air Force
Base
TEXAS**

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Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION	BY/DATE
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SHEET TITLE

ELEVATIONS

SHEET **A200**

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER	FNZW 12-0053
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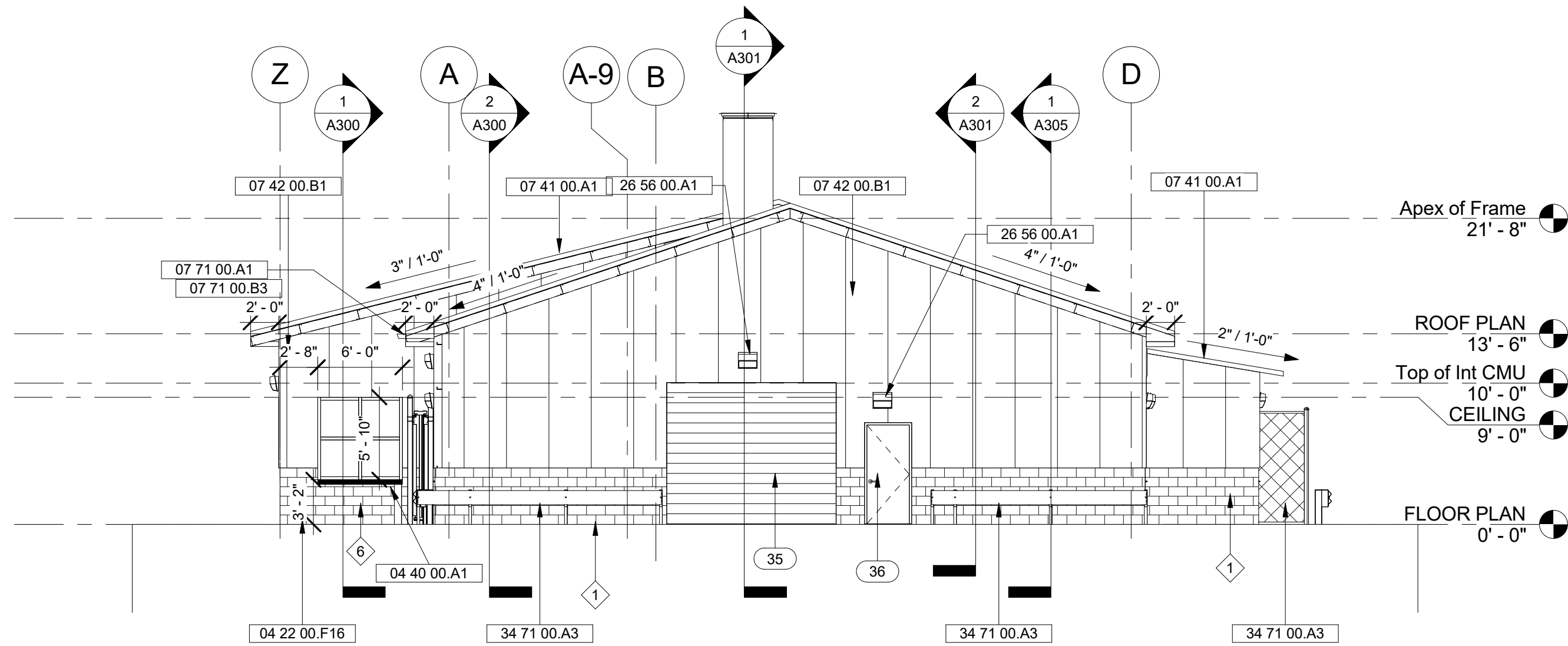
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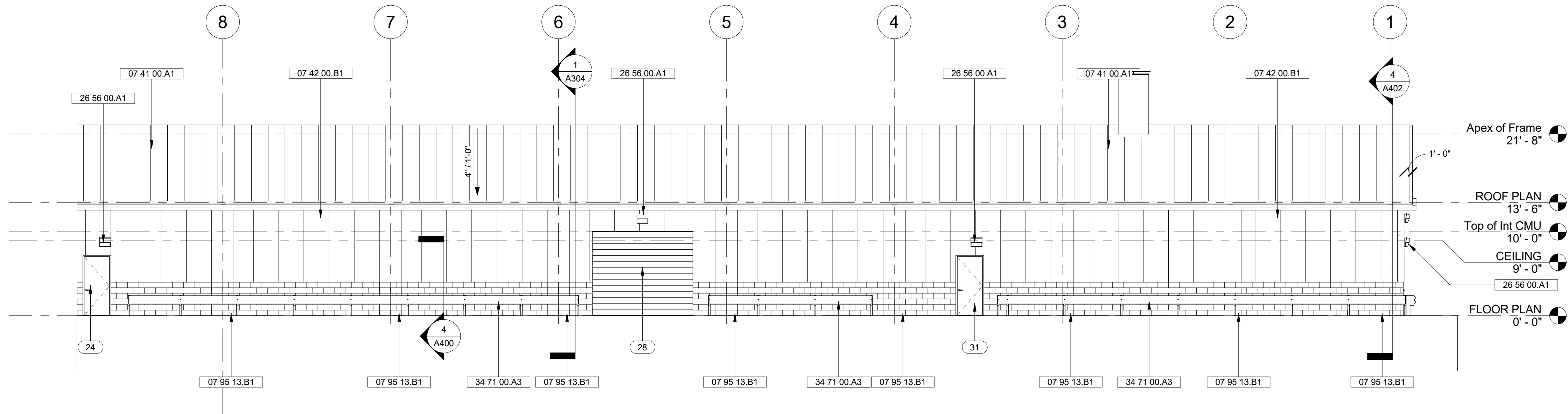
Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

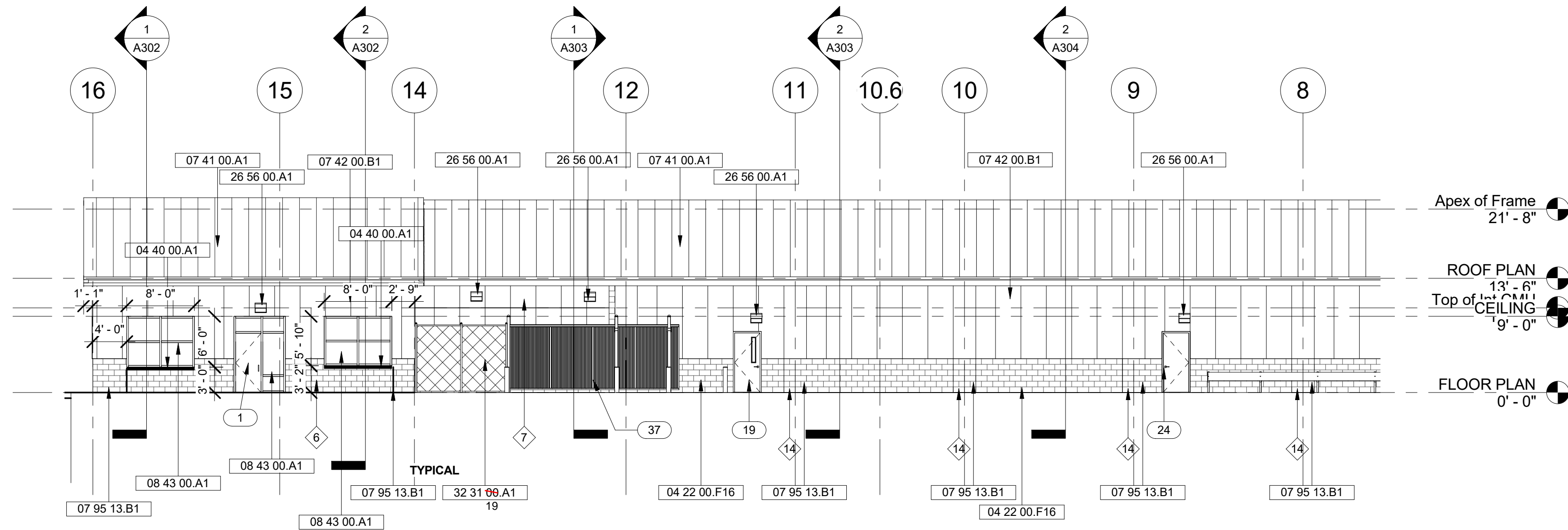
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1 SOUTH
1/8" = 1'-0"



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



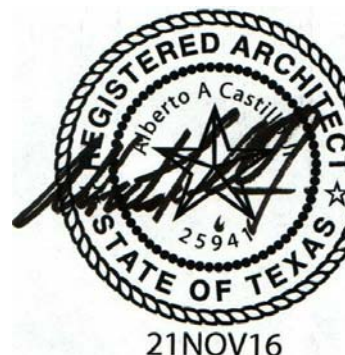
3 WEST ELEVATION 2
3/32" = 1'-0"

ELEVATION KEYNOTES

Key Value	Keynote Text
04 22 00.F16	8" X 8" X 16" SPLIT FACE CMU-COLOR: MATCH FEATHERLITE "WESTERN TAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
04 40 00.A1	PRE-CAST CONCRETE SILL WITH CAST IN DRIP EDGE, FIBER REINFORCED. EPOXY REBAR INTO SOLID GROUTED CMU COURSES AND SET PRE-DRILLED SILLS ONTO REBAR AND INTO FULL BED OF EPOXY SEALANT.
07 41 00.A1	MBCI INSULATED BATTEN LOK METAL ROOF PANELS 24 GA, 12" WIDE. MATCH KYNAR 500, DARK BRONZE
07 42 00.B1	MBCI INSULATED METAL PANEL SYSTEM: CF-36 TUFF WALL AND TUFF CAST. COLOR: MATCH KATNAR 500 - ALMOND
07 71 00.A1	GUTTER
07 71 00.B3	DOWNSPOUT
07 95 13.B1	3/8" CMU EXPANSION JOINT WITH BACKER ROD AND SEALANT. BOTH SIDES OF WALL. PROVIDE GASKET AT CENTER OF BLOCK
08 43 00.A1	STOREFRONT SYSTEM: BRONZE KAWNEER TRIFAB II 451T. SET IN SEALANT WITH OWENS CORNING FOAM SEAL R SILL GASKET AND ANCHORED TO FRAMED WALL AS DESCRIBED IN STRUCTURAL DRAWINGS. 1" GLASS UNITS: PPG SOLARBRONZE. PROVIDE 4" DEEP RECEPTOR HEAD. INTERIOR PANE CLEAR LAMINATED. EXTERIOR PANE CLEAR LAMINATED
26 56 00.A1	WALL PACK: LITHONIA TWP LED
32 31 00.A1	SHAWN LINK FENCE 0'-0" AFF. 8'-0" HIGH METAL SLAT FENCE & GATE
34 71 00.A3	HIGHWAY GUARDRAIL SYSTEM. SET COLUMNS IN CONCRETE 3'-0" BELOW FINISH GRADE. LENGTH OR RAIL TO BE FIELD VERIFIED. FOR BID PURPOSE ANTICIPATE 450 LINEAL FEET WITH SUPPORT COLUMNS AT 6'-6" O.C.

BUILDING SIGNAGE:
1. BUILDING NUMBER IN METAL PANEL: ALUM, DARK BRONZE, 12" TALL. INDIVIDUAL NUMBER: HELVETICA BOLD, CENTER.
COORDINATE NUMBER WITH CONTRACTING OFFICER (PROVIDE 4)
2. BUILDING IN METAL PANEL: ALUM, DARK BRONZE, 6" TALL. INDIVIDUAL NUMBER: HELVETICA BOLD, CENTER. COORDINATE NUMBER WITH CONTRACTING OFFICER (PROVIDE 4)

EXTERIOR MECHANICAL EQUIPMENT:
1. PAINT OR PROVIDE IN PREFINISHED COLOR - SCOTCHLITE BROWN (FSC 10091)



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

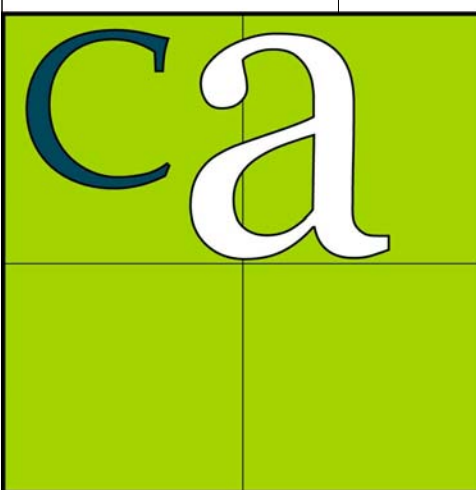
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Air Force
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TEXAS**

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COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION BY/DATE

SHEET TITLE

ELEVATIONS

SHEET
A201

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER
FNZW 12-0053

DRAWING NUMBER FACILITY NUMBER
12-0053-A201.dwg 8040



DYESS
Air Force
Base
TEXAS

APPROVED
SIGNATURE OFFICE

COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer AAC Project Manager AAC
Drafter AAC Date 21 NOV 16
AAC

REVISION BY/DATE

SHEET TITLE

SECTIONS

SHEET A300

PROJECT TITLE
REPAIR
MAINTENANCE SHOP
BUILDING 8040

PROJECT NUMBER
FNZW 12-0053

DRAWING NUMBER FACILITY NUMBER
12-0053-A300.dwg 8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

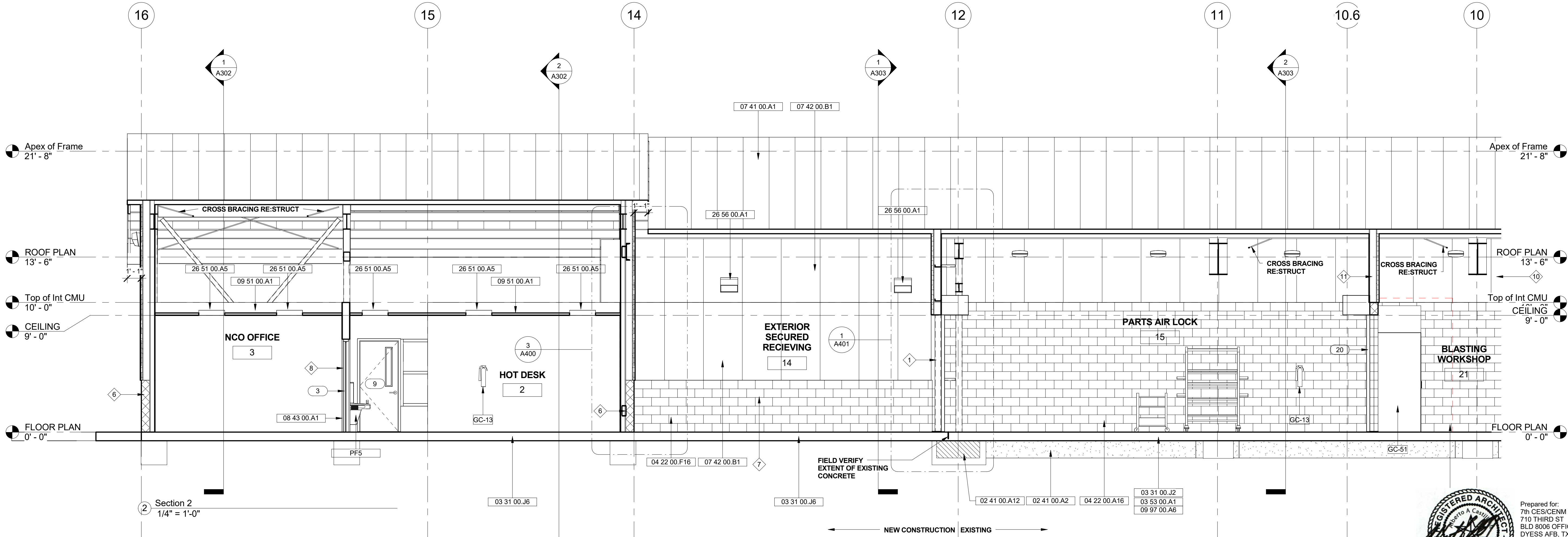
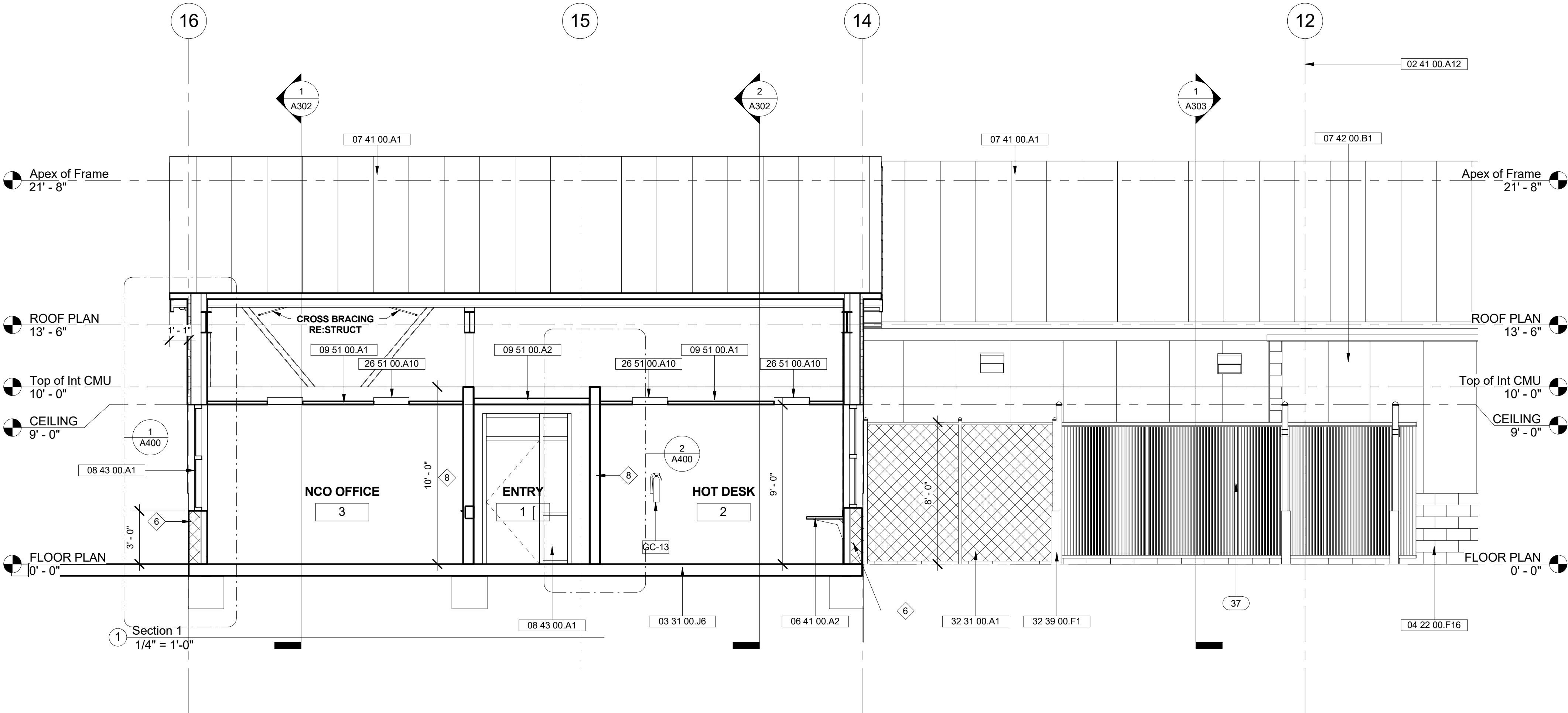
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21NOV16

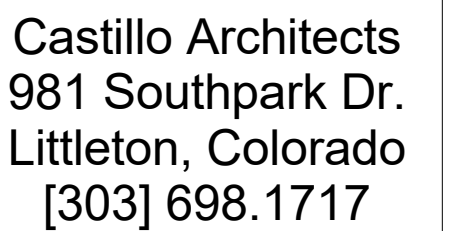
SECTION KEYNOTES

Key Value	Keynote Text
02 41 00.A2	EXISTING FOUNDATION TO REMAIN
02 41 00.A12	MOMENT FRAME AT GRID 12 IS TO BE REMOVED INCLUDING SAW CUTTING FOUNDATION AND REMOVING EXISTING FOOTING FOR FRAME AT GRID 12. RE: STRUCTURAL FOR NEW FRAME SYSTEM
03 31 00.J2	EXISTING SLAB
03 31 00.J6	8" CAST-IN-PLACE CONCRETE SLAB. RE: STRUCTURAL
03 53 00.A1	AREA INDICATED TO HAVE CONCRETE REMOVED. RE-COMPACT SOILS. RE: STRUCTURAL DRAWINGS FOR FLATWORK
04 22 00.A16	8" X 8" X 16" CMU - 2 CORE
04 22 00.F16	8" X 8" X 16" SPLIT FACE CMU-COLOR: MATCH FEATHERLITE "WESTERTAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
06 41 00.A2	2 LAYERS OF 3/4" PLYWOOD WITH PLASTIC LAMINATE SURFACE (TOP, UNDERSIDE, ALL EDGES) WITH 4" BACK SPLASH PLASTIC LAMINATED (TOP, UNDERSIDE, ALL EDGES)
07 41 00.A1	MBCI INSULATED BATTEN LOK METAL ROOF PANELS 24 GA, 12" WIDE. MATCH KYNAR 500, DARK BRONZE
07 42 00.B1	MBCI INSULATED METAL PANEL SYSTEM: CF-36 TUFF WALL AND TUFF CAST. COLOR: MATCH KATNAR 500 - ALMOND
08 43 00.A1	STOREFRONT SYSTEM: BRONZE KAWNEER TRIFAB II 451T. SET IN SEALANT WITH OWENS CORNING FOAM SEAL R SILL GASKET AND ANCHORED TO FRAMED WALL AS DESCRIBED IN STRUCTURAL DRAWINGS. 1" GLASS UNITS: PPG SOLARBronze. PROVIDE 4" DEEP RECEPTOR HEAD. INTERIOR PANE CLEAR LAMINATED. EXTERIOR PANE CLEAR LAMINATED
09 51 00.A1	2X2 USG FROST CLIMA PLUS. PROFILE: FLB. GRIDE DXLT FINE LINE 1/8"
09 51 00.A2	1/2" HIGH STRENGTH CEILING GYPSUM BOARD SHEATHING SUPPORTED BY TIE WIRE ATTACHED TO METAL STUD OVER FRAMING. (OVER FRAMING TO BE CONSTRUCTED 3'-0" ABOVE FINISH CEILING TO ACCOMMODATE DUCT WORK, FIRE SPRINKLER AND LIGHTING.) LEVEL 4 FINISH. SHERWIN WILLIAMS, EGGSHELL, 6140 MODERATE WHITE
09 97 00.A6	PAINT FINISH 6. GEM KOTE SEALER WITH MATTE FINISH: CCI GEMKOTE 100-M, WITH 100 G/L VOC
26 51 00.A5	2' X 4' SURFACE MOUNTED MODULAR FLUORESCENT FIXTURE RE: ELECTRICAL
26 51 00.A10	2' X 4' Lay-in Fluorescent Fixture
26 56 00.A1	WALL PACK: LITHONIA TWP LED
32 31 00.A1	8'-0" HIGH METAL SLAT FENCE & GATE 8'-0" HIGH METAL SLAT FENCE & GATE
32 39 00.F1	6" CONCRETE FILLED PIPE BOLLARD. 48" AFF. PAINT AS DIRECTED BY DYESS AFB. PROVIDE 2 1" REFLECTOR BANDS SPACED 4" FROM TOP OF BOLLARD. (15 TO BE PLACED AS REQ.)





COORDINATION



REVISION	BY/DATE
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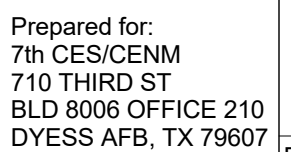
SECTIONS

SHEET **A302**

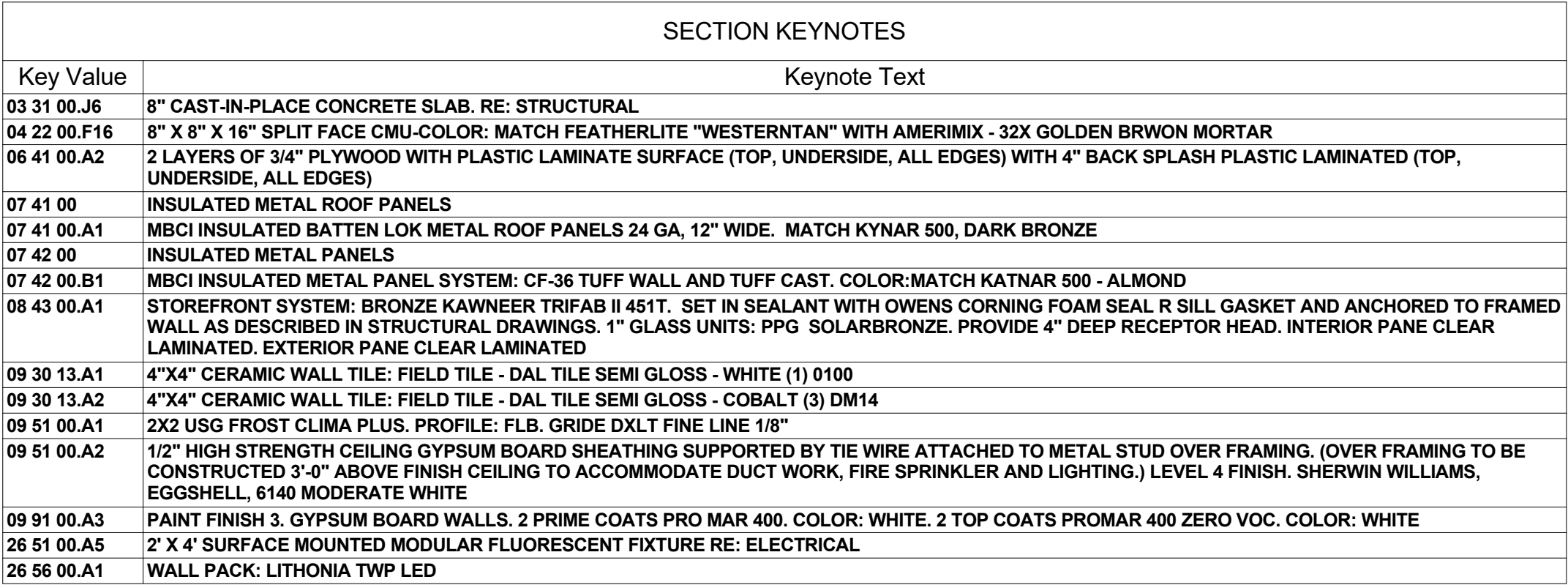
PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER	FNZW 12-0053
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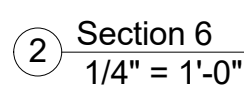
DRAWING NUMBER	FACILITY NUMBER
12-0053-A302.dwg	8040



SEQUENCE NUMBER	
016	



1 Section 5
1/4" = 1'-0"



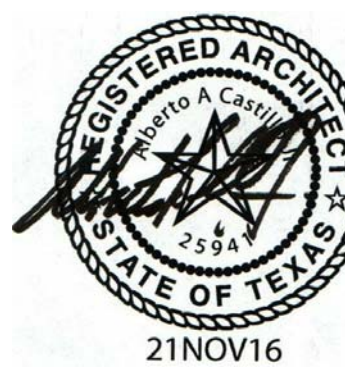
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WALL SECTIONS

A400

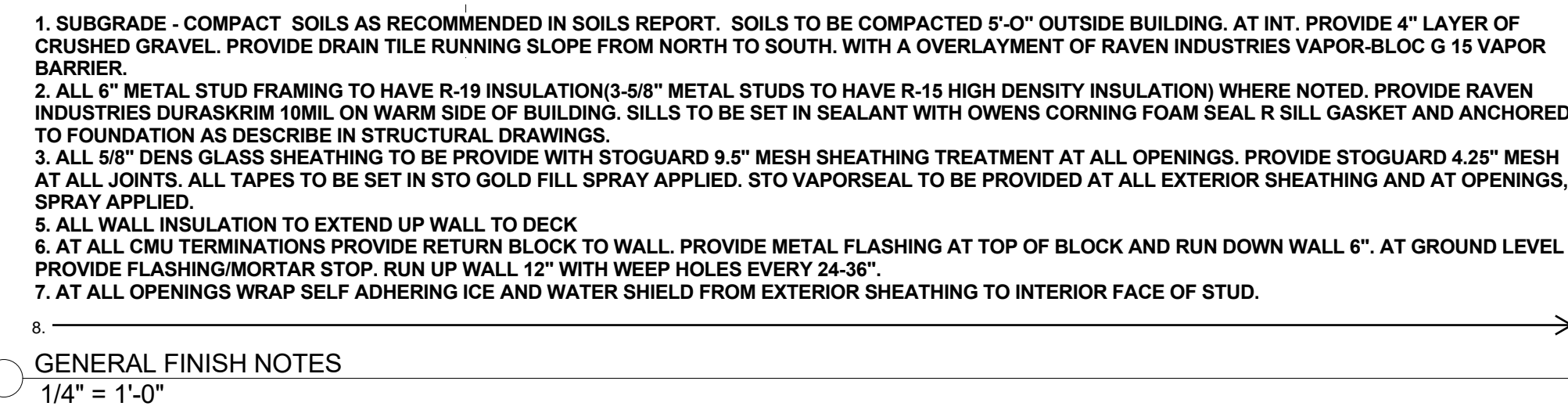
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DRAWING NUMBER	FACILITY NUMBER
12-0053-A400.dwg	8040



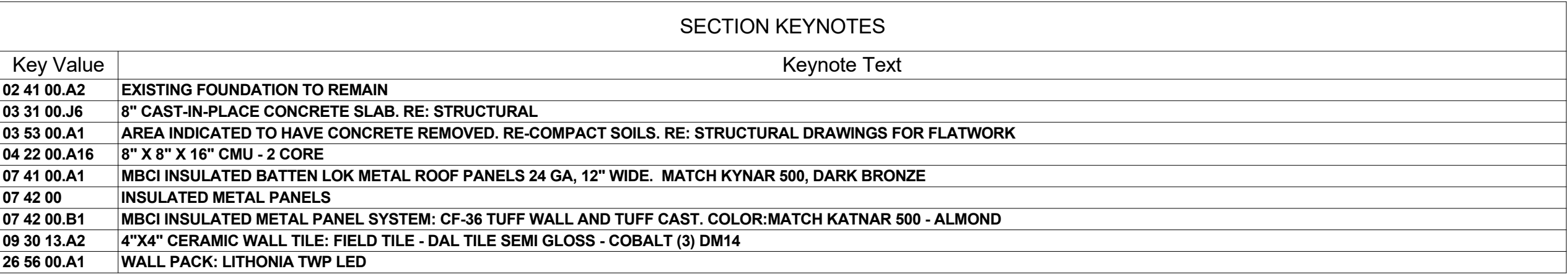
SEQUENCE NUMBER

020



8. MASONRY THROUGH WALL FLASHING:

- Provide concealed flashing in masonry work at, or above, shelf angles, lintels, ledges and other obstructions to the downward flow of water in the wall so as to divert such water to the exterior.
- Prepare masonry surfaces smooth and free from projections which could puncture flashing.
- Place through-wall flashing on sloping bed of mortar and cover with mortar.
- Secure flashing with manufacturers recommended adhesive or a screw anchor to metal studs.
- Seal penetrations in flashing with mastic before covering with mortar. Extend flashings through exterior face of masonry and turn down to form drip.
- Extend flashing the full length of lintels and shelf angles and minimum of 4 inches into masonry each end.
- At masonry corners, turn up minimum 8 inches and seal to CMU or behind sheathing. Do not leave lap openings or gaps.
- At heads and joints, turn up ends not less than 2 inches to form a pan.
- Interlock end joints of deformed metal flashings by over-lapping deformations not less than 6 inches and seal lap with elastic sealant.



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	COORDINATION
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Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION	BY/DAT
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SHEET TITLE

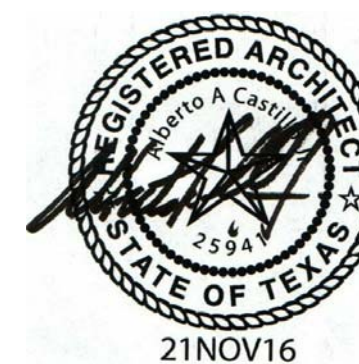
WALL SECTIONS

SHEET A401

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

607	PROJECT NUMBER
ER	FNZW 12-0053

DRAWING NUMBER	FACILITY NUMBER
13-0053-A-101.dwg	8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

021



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COORDINATION	
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Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION	BY/DATE
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SHEET TITLE

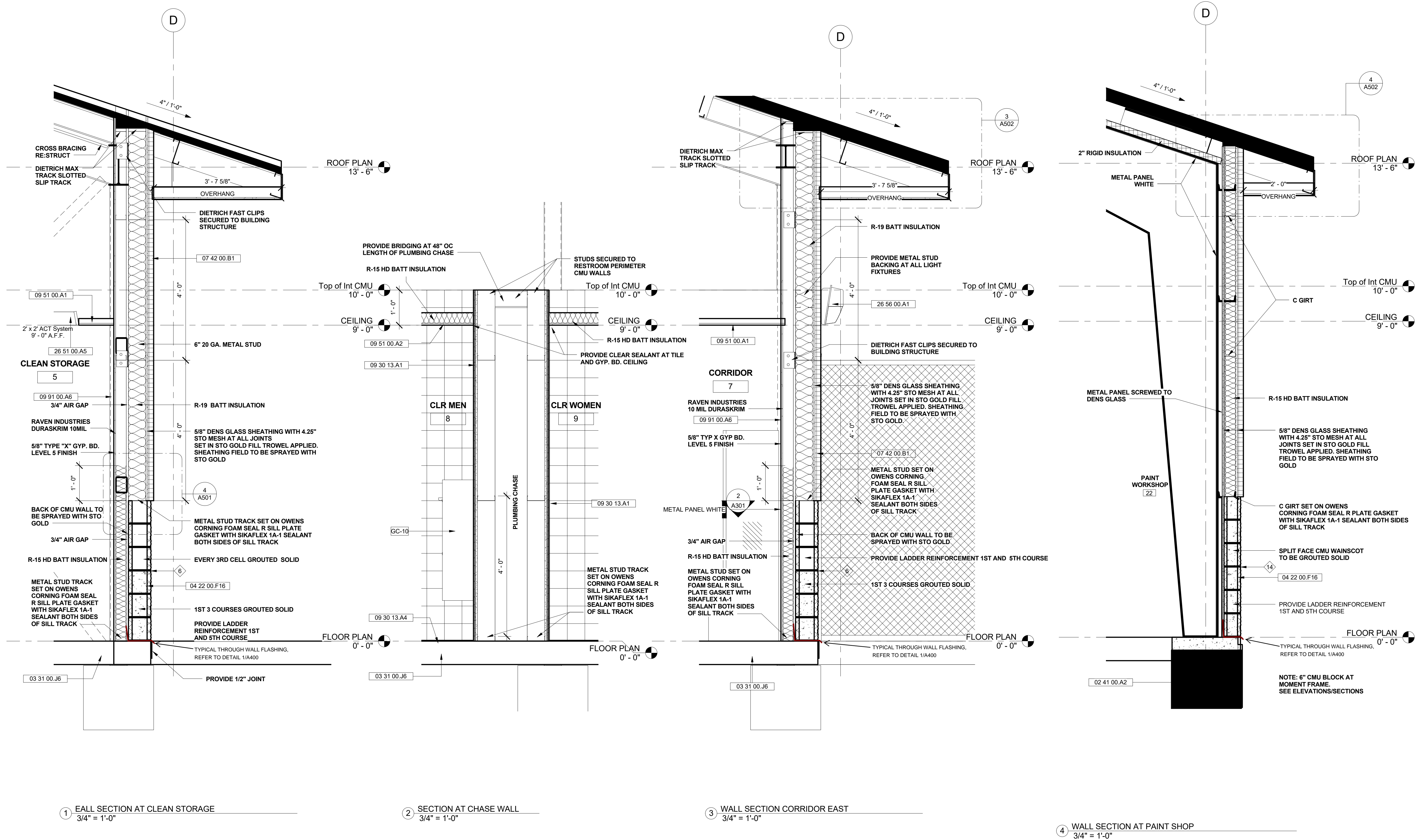
WALL SECTIONS

SHEET A402

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER	FNZW 12-0053
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DRAWING NUMBER	FACILITY NUMBER
12-0052-A-102.dwg	8040



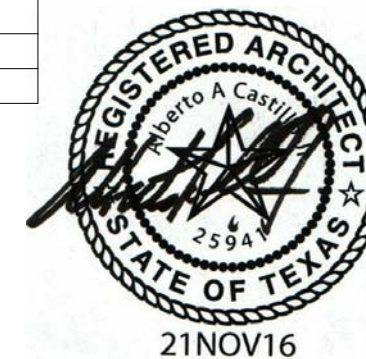
SECTION KEYNOTES

Keynote Text

Key Value	Keynote Text
02 41 00.A2	EXISTING FOUNDATION TO REMAIN
03 31 00.06	8" CAST-IN-PLACE CONCRETE SLAB, RE: STRUCTURAL
04 22 00.F16	8" X 8" X 16" SPLIT FACE CMU-COLOR: MATCH FEATHERLITE "WESTERNNTAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
07 42 00.B1	MBCI INSULATED METAL PANEL SYSTEM: CF-36 TUFF WALL AND TUFF CAST. COLOR:MATCH KATNAR 500 - ALMOND
09 30 13.A1	4"x4" CERAMIC WALL TILE: FIELD TILE - DAL TILE SEMI GLOSS - WHITE (1) 0100
09 30 13.A4	12" X 12" CERAMIC FLOOR TILE: FIELD TILE - DAL TILE VOLUME 1.0 (STEPWISE) SONIC WHITE
09 51 00.A1	2X2 USG FROST CLIMA PLUS. PROFILE: FLB. GRIDE DXLT FINE LINE 1/8"
09 51 00.A2	1/2" HIGH STRENGTH CEILING GYPSUM BOARD SHEATHING SUPPORTED BY TIE WIRE ATTACHED TO METAL STUD OVER FRAMING. (OVER FRAMING TO BE CONSTRUCTED 3'-0" ABOVE FINISH CEILING TO ACCOMMODATE DUCT WORK, FIRE SPRINKLER AND LIGHTING.)
09 91 00.A6	PAINT FINISH 6. SHERWIN-WILLIAMS, EGGSELL, 6140, MODERATE WHITE
26 51 00.A5	2' X 4' SURFACE MOUNTED MODULAR FLUORESCENT FIXTURE RE: ELECTRICAL
26 56 00.A1	WALL PACK: LITHONIA TWP LED

1. SUBGRADE - COMPACT SOILS AS RECOMMENDED IN SOILS REPORT. SOILS TO BE COMPACTED 5'-0" OUTSIDE BUILDING. AT INT. PROVIDE 4" LAYER OF CURBED GRAVEL. PROVIDE DRAIN TILE RUNNING SLOPE FROM NORTH TO SOUTH, WITH AN OVERLAYMENT OF RAVEN INDUSTRIES VAPOR-BLOCK G 15 VAPOR BARRIER.
2. ALL METAL STUD FRAMING TO HAVE R-19 INSULATION(3-5/8" METAL STUDS TO HAVE R-15 HIGH DENSITY INSULATION) WHERE NOTED. PROVIDE RAVEN INDUSTRIES DURAKRIM 10W/1L ON WARM SIDE OF BUILDING. SLIPS TO BE SET IN SEALANT WITH OWENS CORNING FOAM SEAL R SILL GASKET AND ANCHORED TO FOUNDATION AS DESCRIBE IN STRUCTURAL DRAWINGS.
3. ALL 5/8" DEN'S GLASS SHEATHING TO BE PROVIDED WITH STOQUARD 9.5" MESH SHEATHING TREATMENT AT ALL OPENINGS. PROVIDE STOQUARD 4.25" MESH SHEATHING TREATMENT AT ALL JOINTS. ALL TAPES TO BE SET IN STO GOLD FILL SPRAY APPLIED. STO VAPORSEAL TO BE PROVIDED AT ALL EXTERIOR SHEATHINGS AND AT OPENINGS, SPRAY APPLIED.
5. ALL WALL INSULATION TO EXTEND UP TO DECK
6. AT ALL CMU TERMINATIONS PROVIDE RETURN BLOCK TO WALL. PROVIDE METAL FLASHING AT TOP OF BLOCK AND RUN DOWN WALL 6". AT GROUND LEVEL PROVIDE FLASHING/MORTAR STOUT RUN UP WALL 12" WITH MESH EVERY 24" 9".
7. AT ALL OPENINGS WRAP SELF ADHERING ICE AND WATER SHIELD FROM EXTERIOR SHEATHING TO INTERIOR FACE OF STUD.

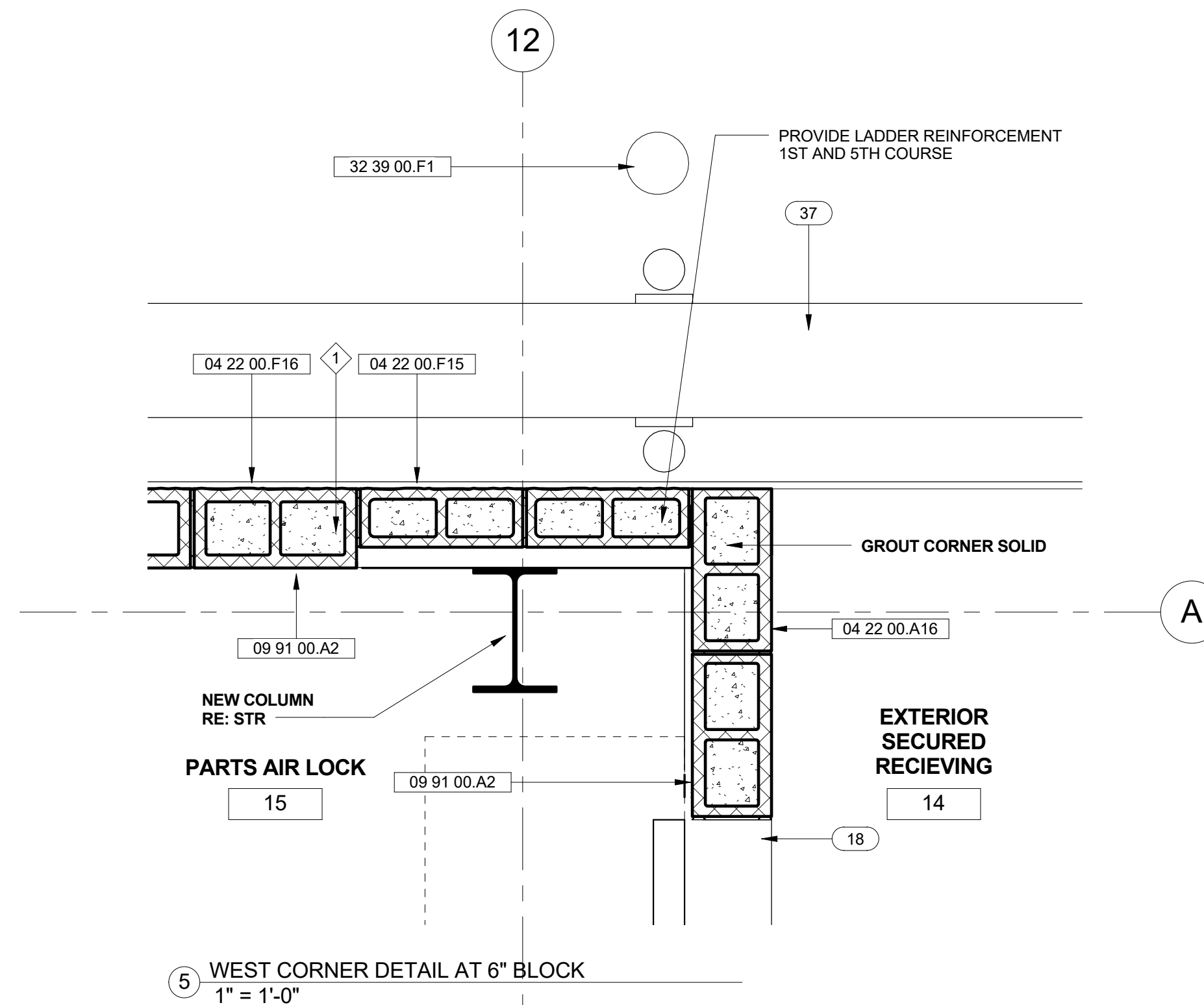
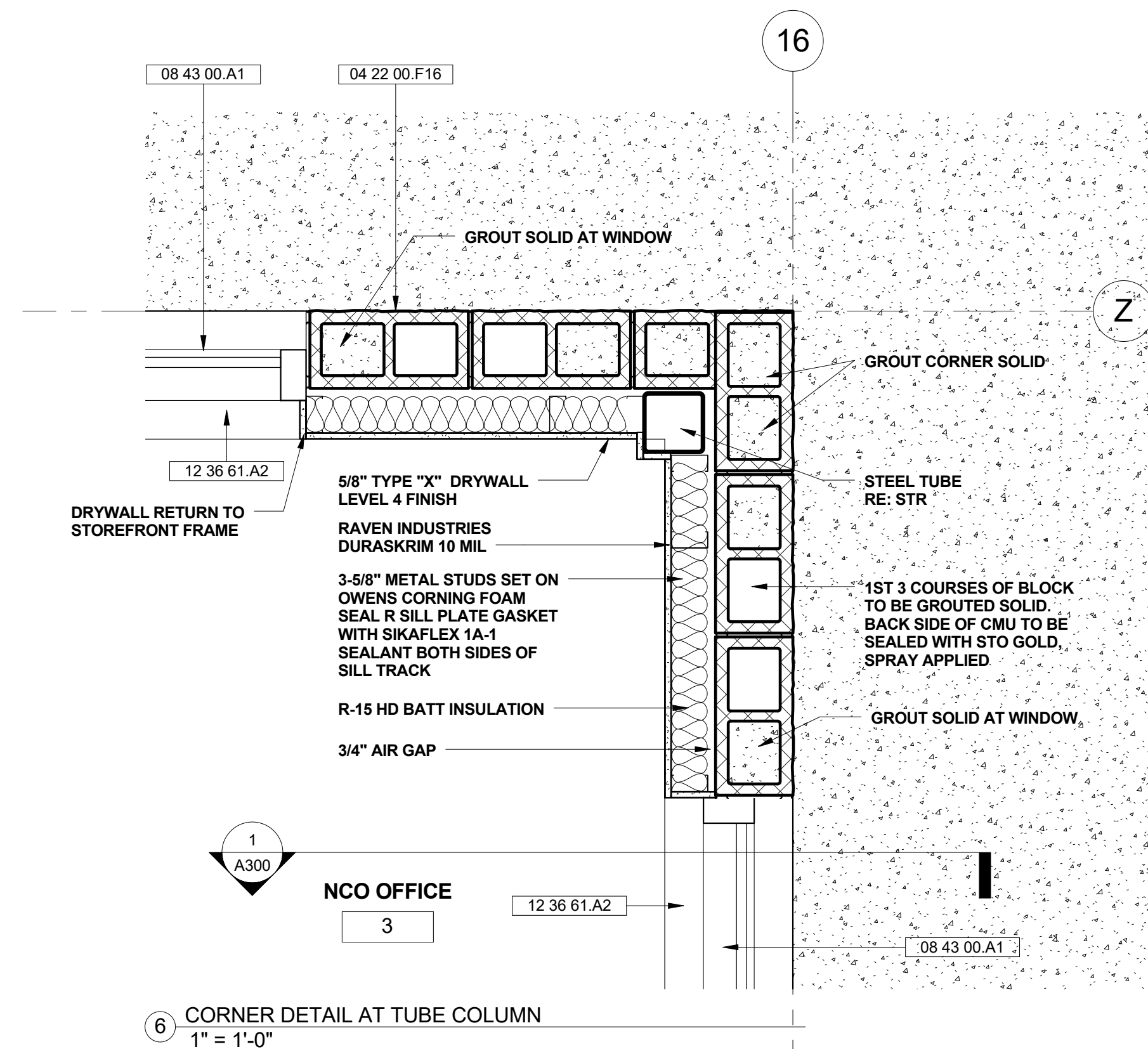
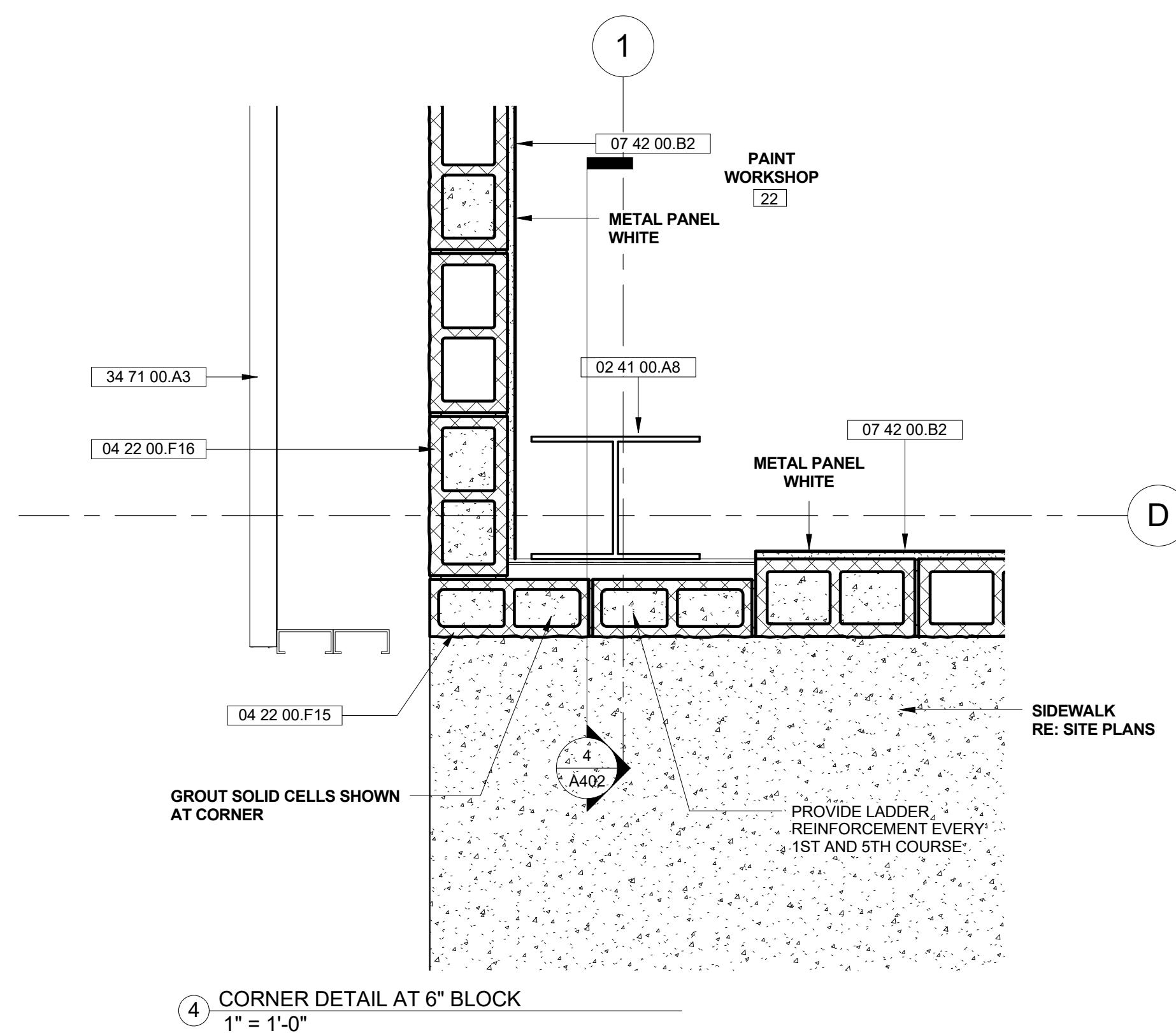
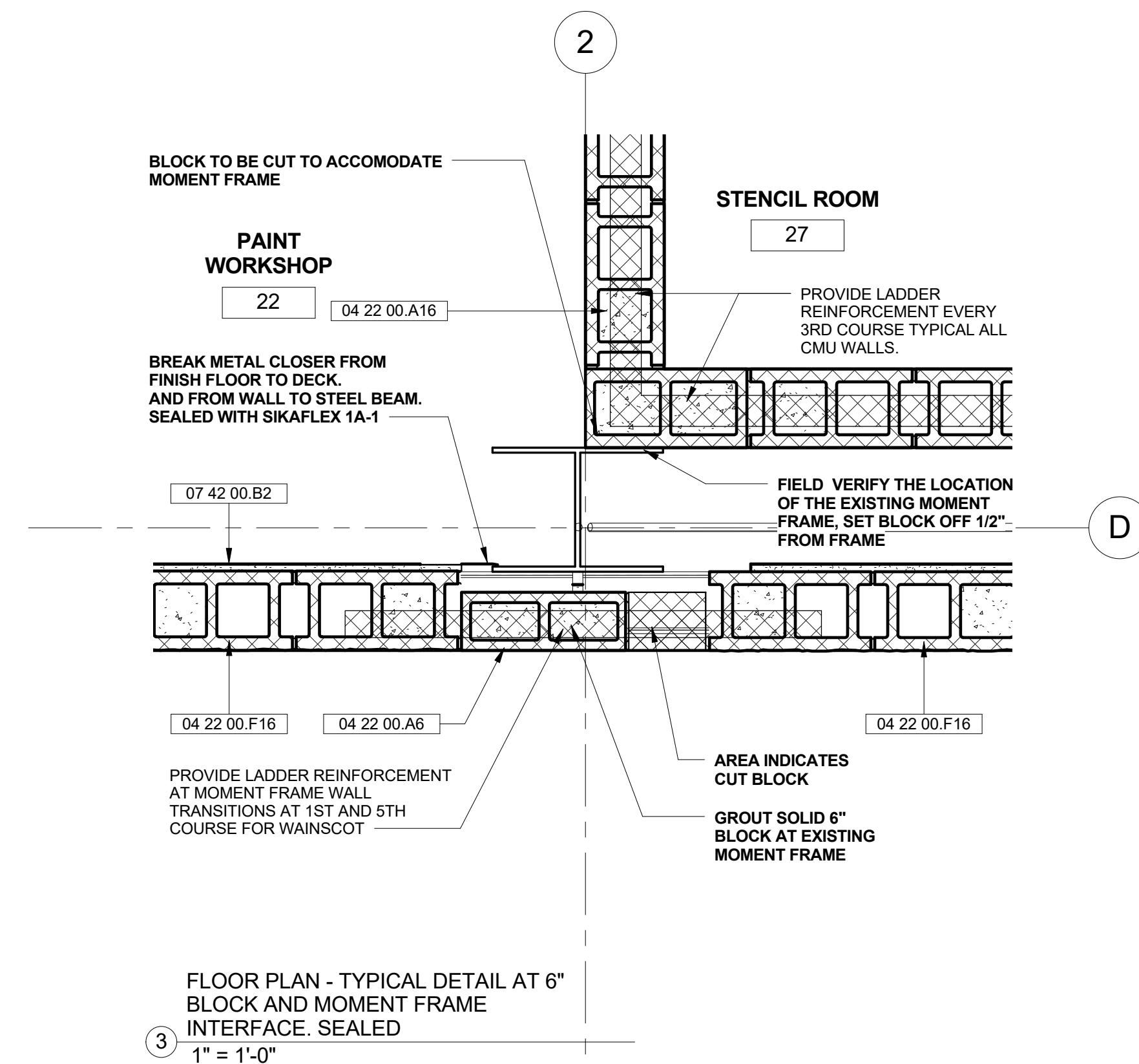
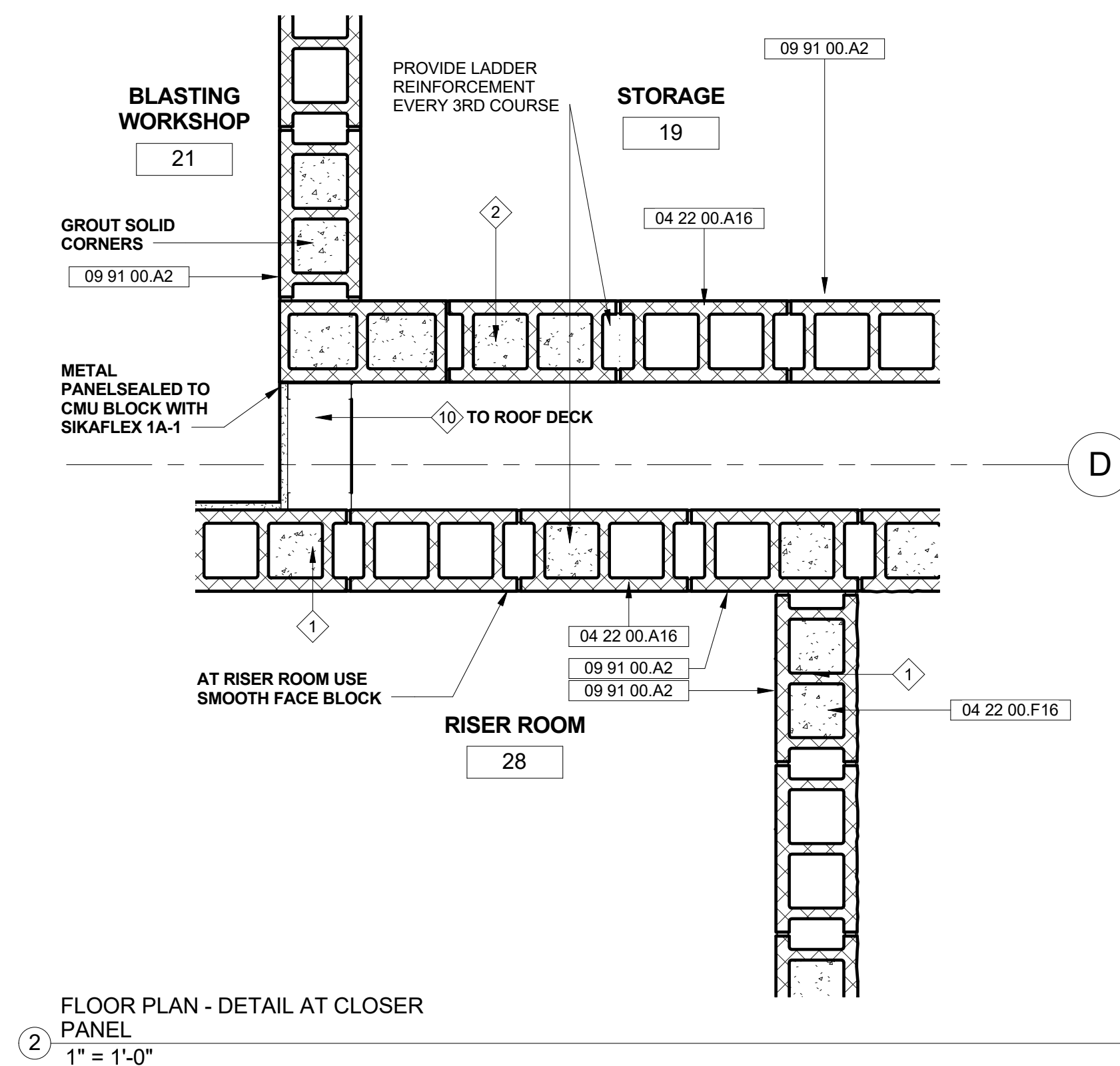
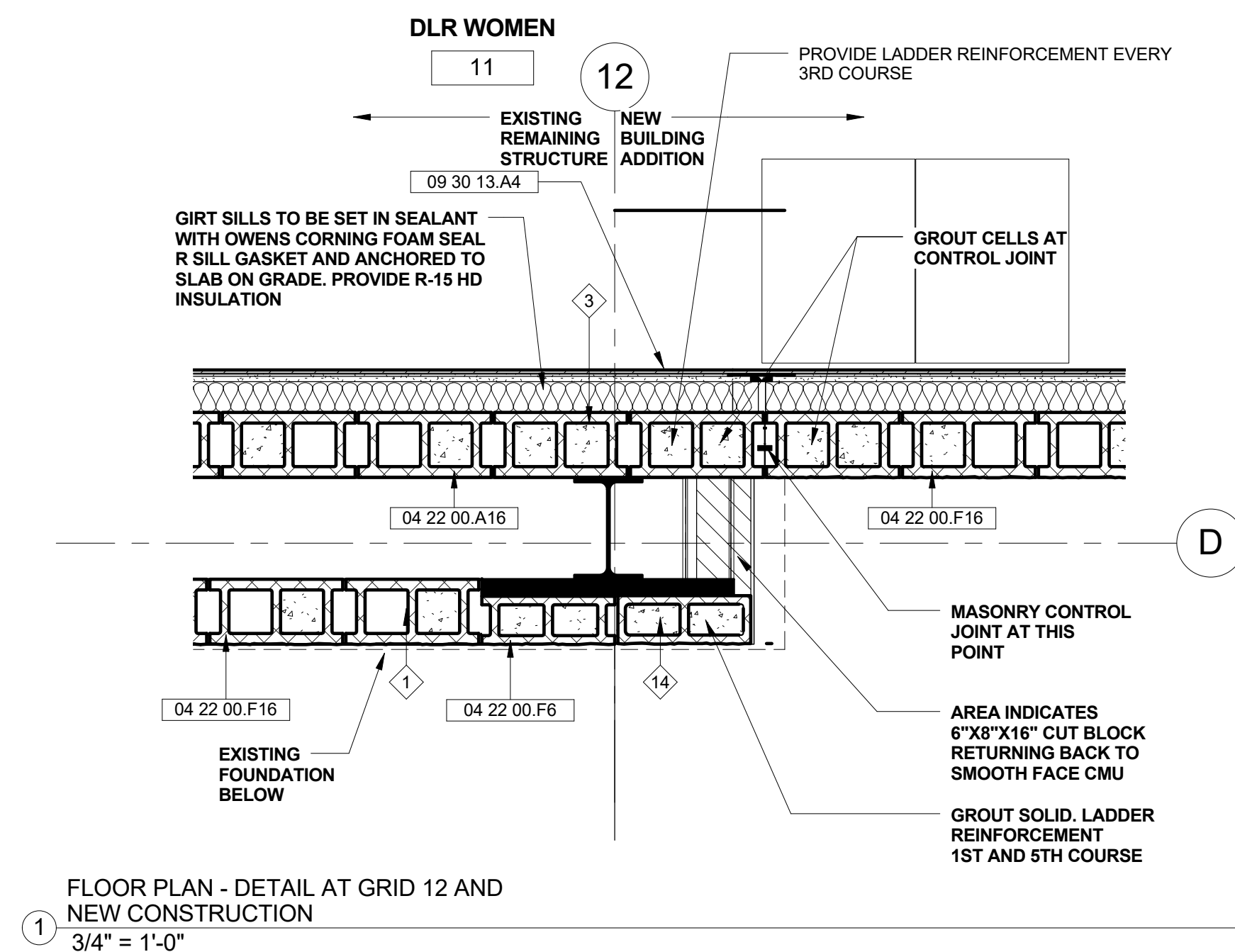
GENERAL FINISH NOTES
1/4" = 1'-0"



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

022



FLOOR PLAN KEYNOTE LEGEND	
Key Value	Keynote Text
02 41 00.A8	SALVAGE MOMENT FRAME IN PLACE, RE-USE IN NEW WORK. GC TO SHORE THE FRAMES AS REQUIRED
04 22 00.A6	6" X 8" X 12" CMU - 2 CORE
04 22 00.A16	8" X 8" X 16" CMU - 2 CORE
04 22 00.F6	6" x 8" x 12" Split Face CMU
04 22 00.F15	6" X 8" X 16" SPLIT FACE CMU - COLOR: MATCH FEATHERLITE "WESTERN TAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
04 22 00.F16	8" X 8" X 16" SPLIT FACE CMU-COLOR: MATCH FEATHERLITE "WESTERN TAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
07 42 00.B2	MBCI METAL PANEL SECURED TO INTERIOR. ALL PANELS TO BE SET IN SEALANT AT SEAMS. PANEL COLOR - WHITE.
08 43 00.A1	STOREFRONT SYSTEM: BRONZE KAWNEER TRIFAB II 451T. SET IN SEALANT WITH OWENS CORNING FOAM SEAL R SILL GASKET AND ANCHORED TO FRAMED WALL AS DESCRIBED IN STRUCTURAL DRAWINGS. 1" GLASS UNITS: PPG SOLARBRONZE. PROVIDE 4" DEEP RECEPTOR HEAD. INTERIOR PANE CLEAR LAMINATED. EXTERIOR PANE CLEAR LAMINATED
09 30 13.A4	12" X 12" CERAMIC FLOOR TILE: FIELD TILE - DAL TILE VOLUME 1.0 (STEPWISE) SONIC WHITE
09 91 00.A2	PAINT FINISH 2. EXPOSED CMU WALLS. 2 PRIMER COATS LOXON BLOCK SURFACER. COLOR WHITE. 2 TOP COATS PRO INDUSTRIAL WATER BASED CATALYZED EPOXY. COLOR: BRIGHT WHITE.
12 36 61.A2	DUPONT CORIAN SOLID SURFACE SILL. 4-3/4" X 4" WITH 45 DEGREE CHAMFER
32 39 00.F1	6" CONCRETE FILLED PIPE BOLLARD. 48" AFF. PAINT AS DIRECTED BY DYESS AFF. PROVIDE 2 1" REFLECTOR BANDS SPACED 4" FROM TOP OF BOLLARD. (15 TO BE PLACED AS REQ.)
34 71 00.A3	HIGHWAY GUARDRAIL SYSTEM. SET COLUMNS IN CONCRETE 3'-0" BELOW FINISH GRADE. LENGTH OR RAIL TO BE FILED VERIFIED. FOR BID PURPOSE ANTICIPATE 40 LINEAL FEET WITH SUPPORT COLUMNS AT 6'-6" O.C.

1. SUBGRADE - COMPACT SOILS AS RECOMMENDED IN SOILS REPORT. SOILS TO BE COMPACTED 5'-0" OUTSIDE BUILDING. AT INT. PROVIDE 4" LAYER OF CRUSHED GRAVEL. PROVIDE DRAIN TILE RUNNING SLOPE FROM NORTH TO SOUTH. WITH A OVERLAYMENT OF RAVEN INDUSTRIES VAPOUR-BLOCK G 15 VAPOR BARRIER.

2. METAL STUD FRAMING TO HAVE R-19 INSULATION(3'-5") METAL STUDS TO HAVE R-19 HIGH DENSITY INSULATION) WHERE NOTED. PROVIDE RAVEN INDUSTRIES DURASKIRM 10MIL ON WARM SIDE OF BUILDING. SILLS TO BE SET IN SEALANT WITH OWENS CORNING FOAM SEAL R SILL GASKET AND ANCHORED TO FOUNDATION AS DESCRIBE IN STRUCTURAL DRAWINGS.

3. ALL 58" DEN'S GLASS SHEATHING TO BE PROVIDED WITH STOGUARD 9.5" MESH SHEATHING TREATMENT AT ALL OPENINGS. PROVIDE STOGUARD 4.25" MESH AT ALL JOINTS. ALL TAPES TO BE SET IN SITO GOLD FILL SPRAY APPLIED. SITO VAPORESOL TO BE PROVIDED AT ALL EXTERIOR SHEATHINGS AND AT OPENINGS, SPRAY APPLIED.

5. ALL WALL INSULATION TO EXTEND UP WALL TO DECK

6. AT ALL CMU TERMINATIONS PROVIDE RETURN BLOCK TO WALL. PROVIDE METAL FLASHING AT TOP OF BLOCK AND RUN DOWN WALL 6". AT GROUND LEVEL PROVIDE FLASHING/MORTAR STOP. RUN UP WALL 12" WITH WEEP HOLES EVERY 24" 36"

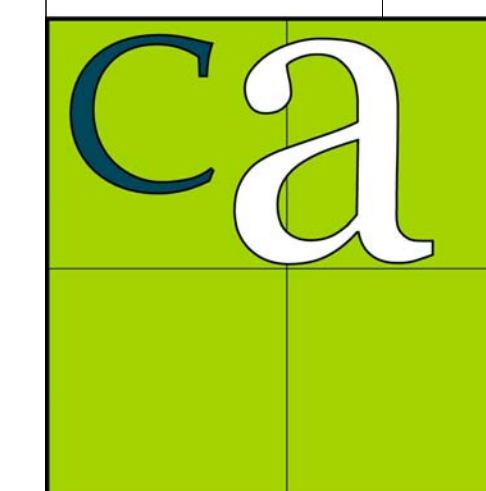
7. AT ALL OPENINGS WRAP SELF ADHERING ICE AND WATER SHIELD FROM EXTERIOR SHEATHING TO INTERIOR FACE OF STUD.



**DYESS
Air Force
Base
TEXAS**

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SIGNATURE	OFFICE

COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION BY/DATE

SHEET TITLE

PLAN DETAILS

SHEET **A500**

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

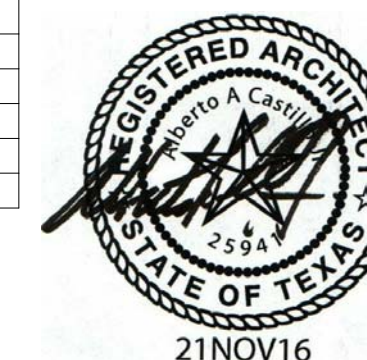
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ER	FNZW 12-0053

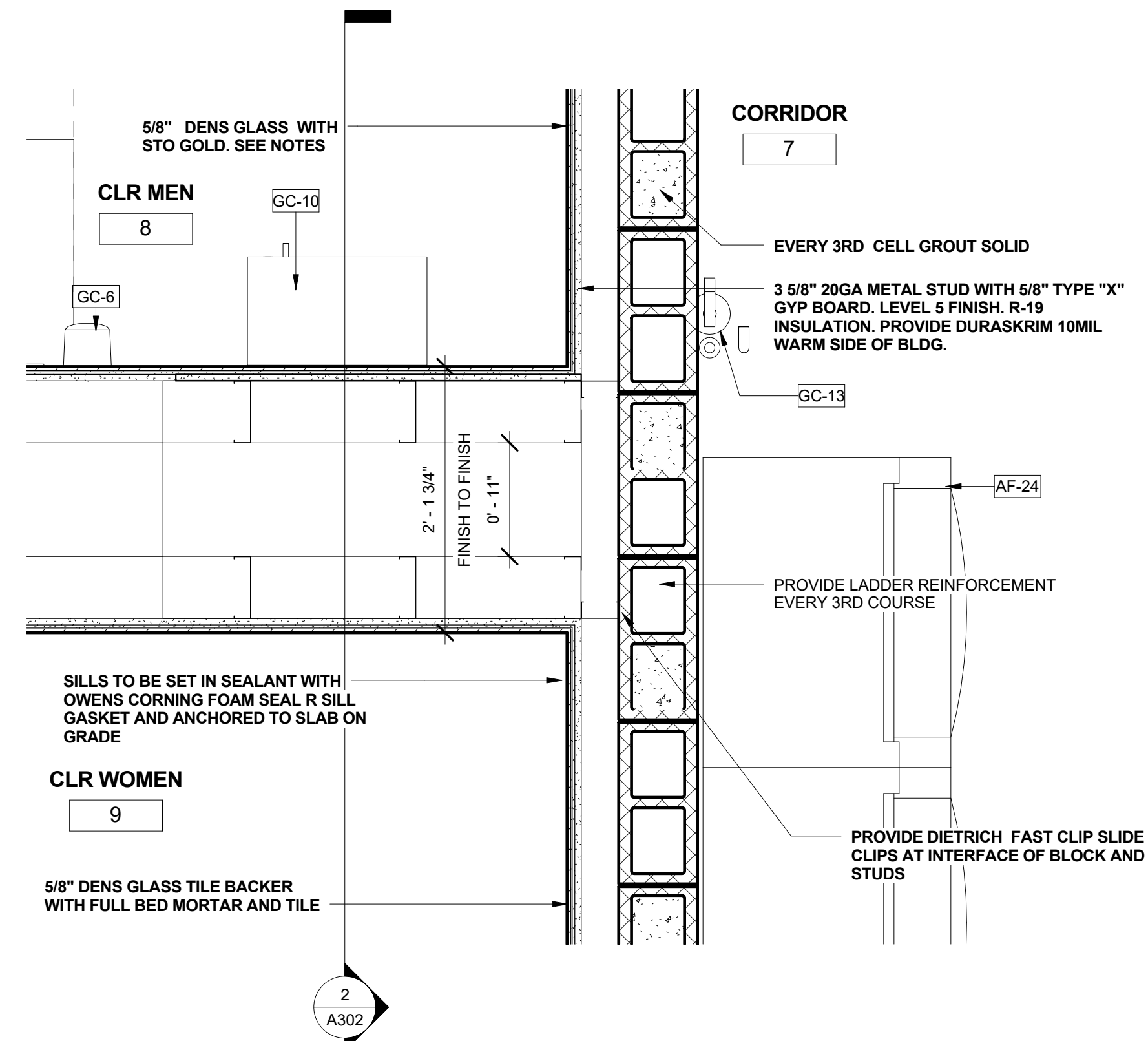
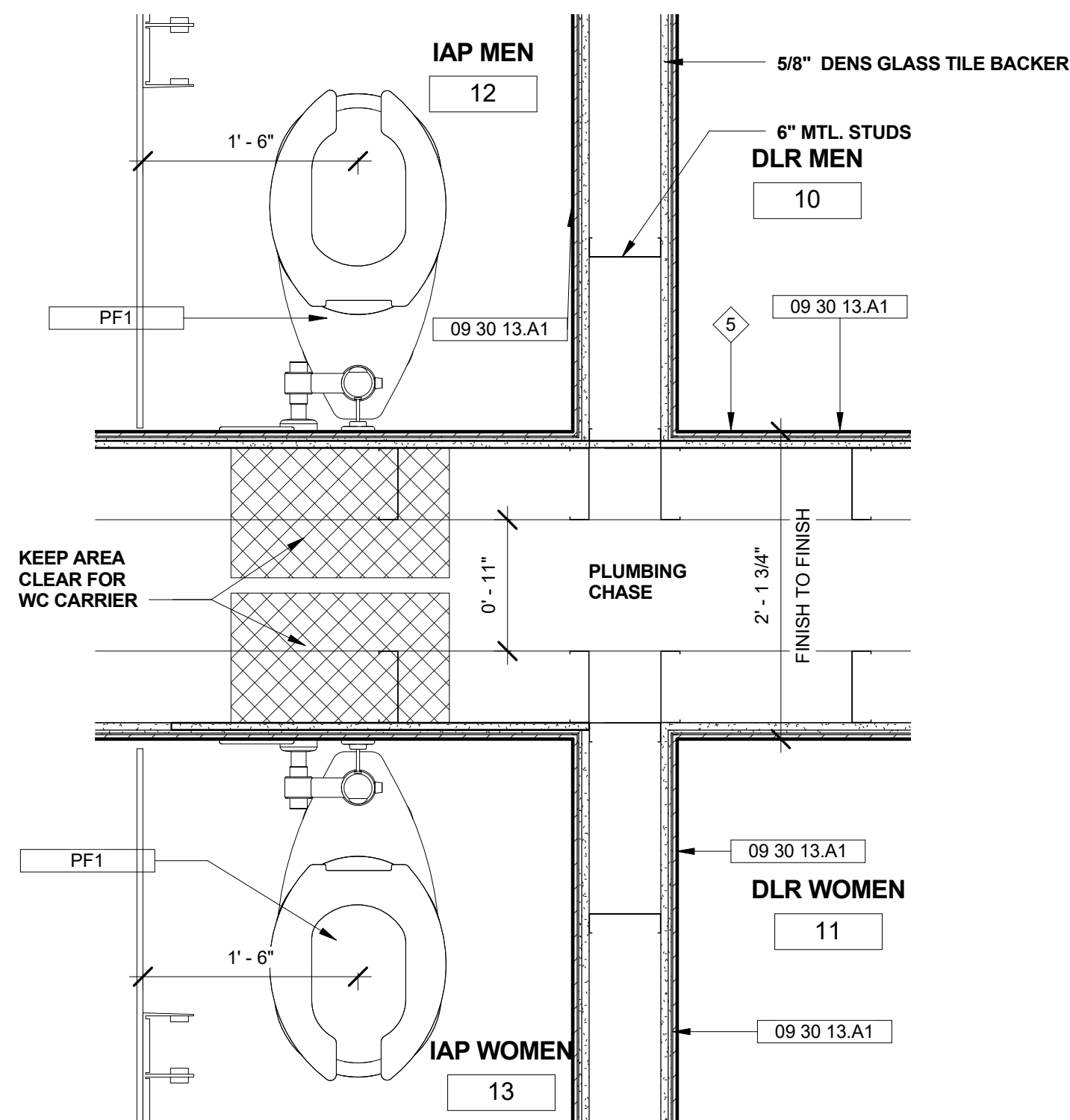
Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

023

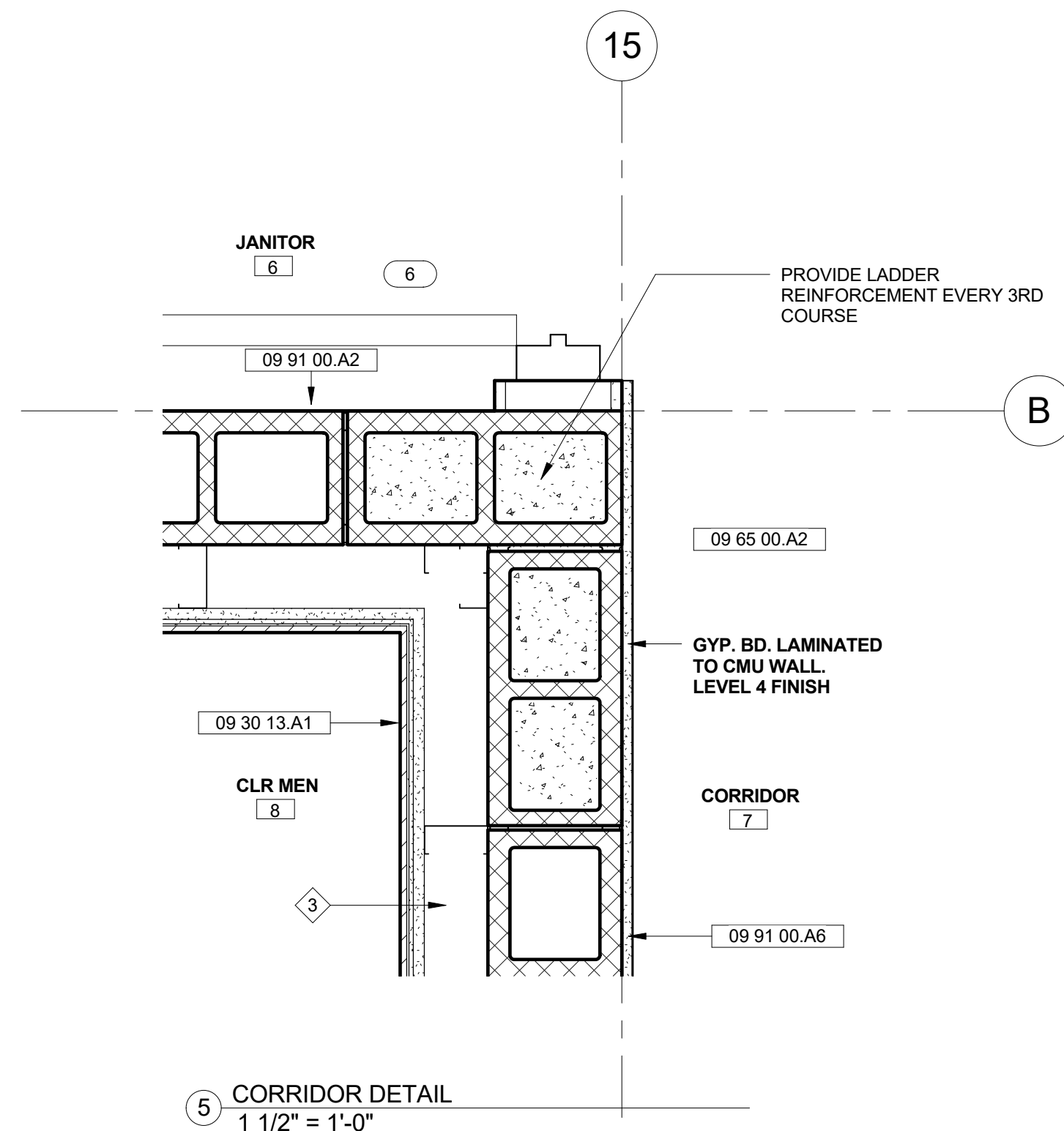
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12-0053-A500.dwg	8040



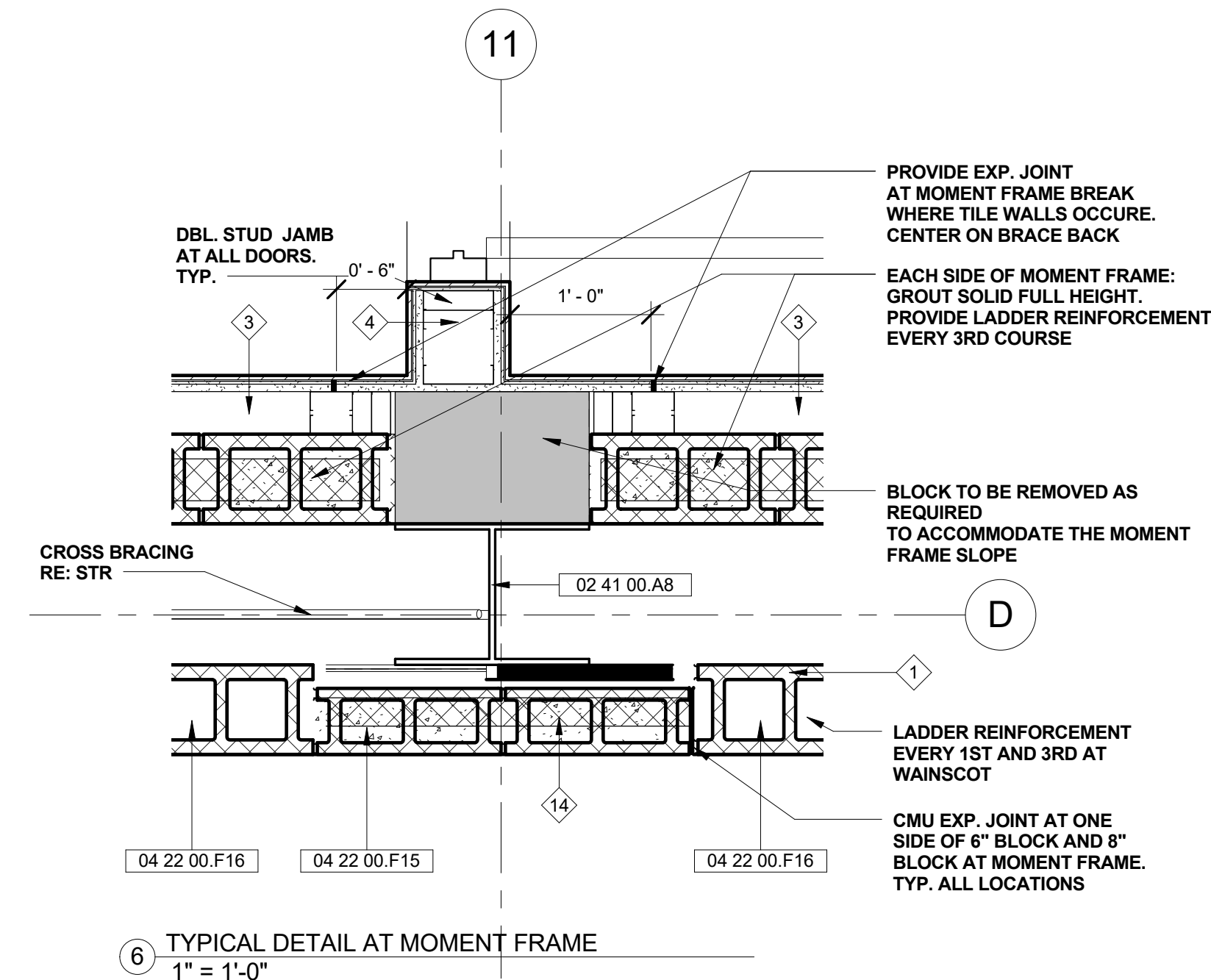


2 FLOOR PLAN - WATER CLOSET DETAIL
1" = 1'-0"

3 CHASE
1" = 1'-0"



5 CORRIDOR DETAIL
1 1/2" = 1'-0"



6 TYPICAL DETAIL AT MOMENT FRAME
1" = 1'-0"

FLOOR PLAN KEYNOTE LEGEND	
Key Value	Keynote Text
02 41 00.A8	SALVAGE MOMENT FRAME IN PLACE, RE-USE IN NEW WORK. GC TO SHORE THE FRAMES AS REQUIRED
04 22 00.F15	6" X 8" X 16" SPLIT FACE CMU - COLOR: MATCH FEATHERLITE "WESTERNTAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
04 22 00.F16	8" X 8" X 16" SPLIT FACE CMU-COLOR: MATCH FEATHERLITE "WESTERNTAN" WITH AMERIMIX - 32X GOLDEN BRWN MORTAR
07 42 00.B1	MBCI INSULATED METAL PANEL SYSTEM: CF-38 TUFF WALL AND TUFF CAST. COLOR:MATCH KATHNAR 500 - ALMOND
08 30 13.A1	4"X4" CERAMIC WALL TILE, FIELD TILE - DAL TILE SEMI GLOSS - WHITE (1) 6104
08 65 00.A2	18"X18" VINYL COMPOSITION TILE: FIELD VCT-ARMSTRONG CHALK WHITE 52140
09 91 00.A2	PAINT FINISH 2, EXPOSED CMU WALLS, 2 PRIMER COATS LOXON BLOCK SURFACER. COLOR WHITE, 2 TOP COATS PRO INDUSTRIAL WATER BASE CATALYZED EPOXY. COLOR: BRIGHT WHITE.
09 91 00.A6	PAINT FINISH 6, SHERWIN-WILLIAMS, EGGSHELL, 6140, MODERATE WHITE

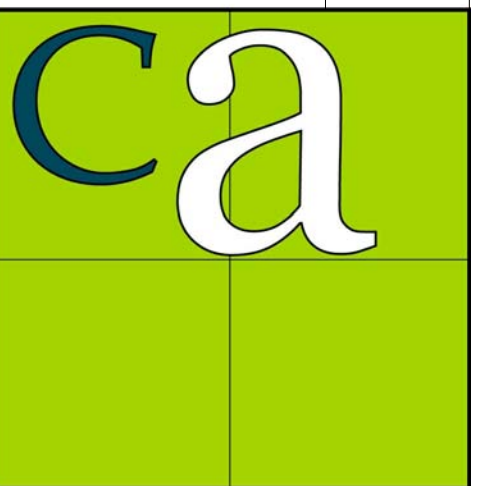
○ GENERAL FINISH NOTES
1/4" = 1'-0"



**DYESS
Air Force
Base
TEXAS**

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SIGNATURE	OFFICE

COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

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SHEET TITLE

PLAN DETAILS

SHEET

A501

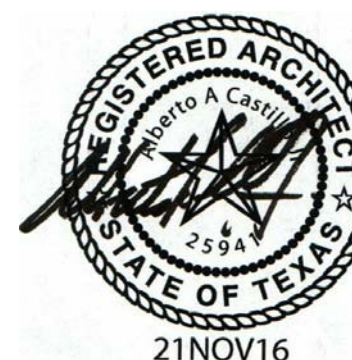
PROJECT TITLE

**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER

ENZW 13 0053

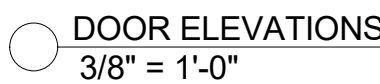
FNZW 12-0055	
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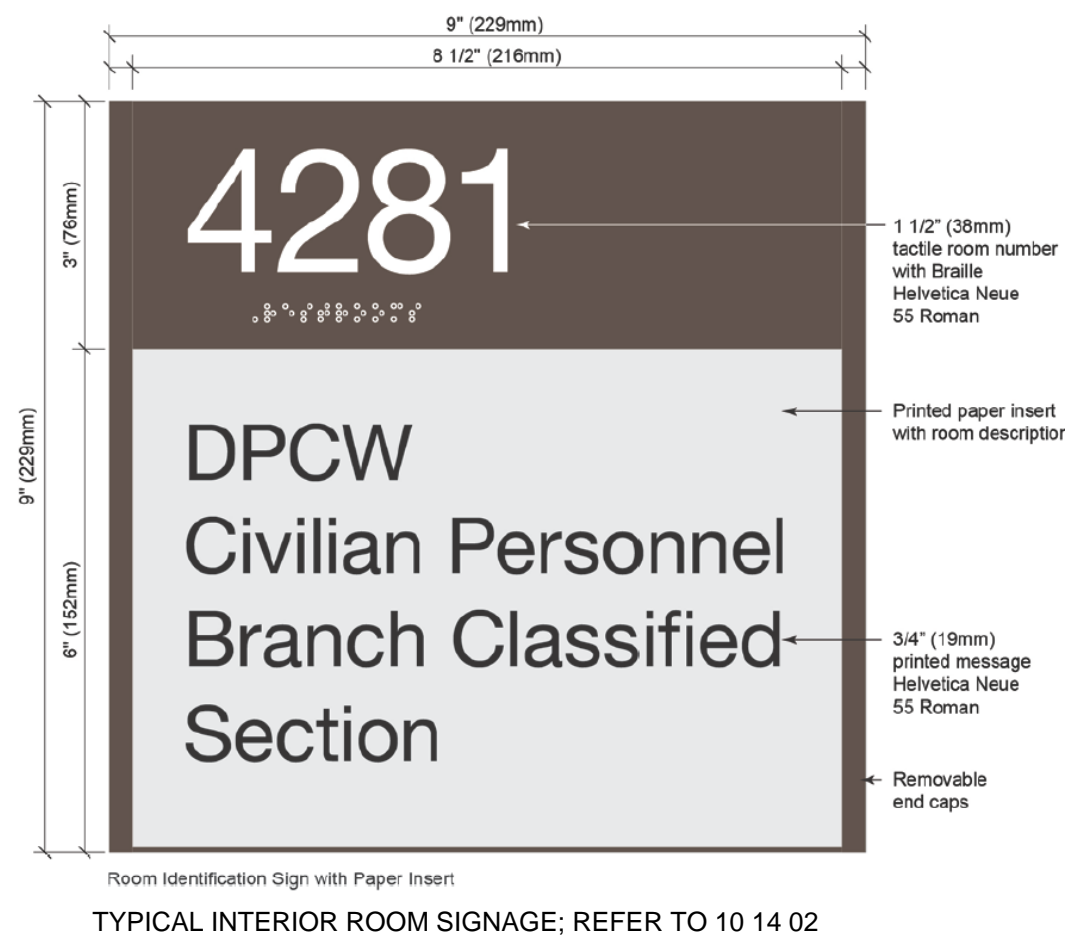
Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

024



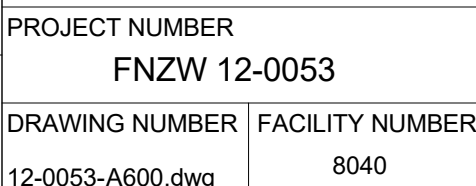
1	STORE FRONT DOOR	3'-0" X 7'-0" X 1 3/4"	NOTE: ALL DOOR/WINDOWS ARE TO ALL WINDOW SILLS ARE TO
	DOOR TYPE	KAWNEER 190 NARROW STYLE	
	FRAME TYPE	KAWNEER TRI-FAB II 451	
	LOCKSET	ADAMS-RITE MS4885 BEST CYLINDER W/ REMOVABLE CORE	
	HINGES	KAWNEER 1 1/2 SET PIVOT	
	CLOSER	LCN 1461 X FULL COVER, AL X TB	
	PUSH/PULL	KAWNEER C0-9	
	THRESHOLD	ALUM. H.VY DUTY 1/2"	
	WEATHER STRIPPING	KAWNEER RUBBER L DOOR SHOE	
		GLAZING - 1/4" SAFETY TEMPERED GLASS CLEAR @ INTERIOR; BRONZE LAMINATED GLAZING AT EXTERIOR	
	RAIN CAP	PEMCO #346 BRONZE	
2	HOLLOW METAL DOOR	3'-0" X 7'-0" X 1 3/4"	
	DOOR TYPE	AMWELD SERIES 1500, 16GA.	
	FRAME TYPE	AMWELD SERIES 400, 16 GA. WELDED, FLUSH, 5 3/4" DEEP W/ 4" HEAD.	
	LOCKSET	BEST 9K SERIES (SEE DOOR SWING)	
	HINGES	HANGER BB1279, 4 1/2" X 1/2", NRP, US26D	
	CLOSER	LCN 1461 X FULL COVER, AL X TB	
	THRESHOLD	PEMCO H.VY DUTY 1715AK	
	SWEEP	PEMCO (INT) BRUSH GASKET 90041-NB (EXT) L DOOR SHOE PEMCO 210AV32	
	WEATHERSTRIPPING	PEMCO 171A, S88D, 315CN	



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

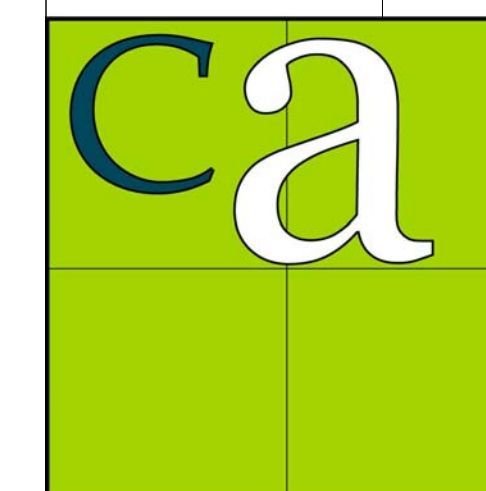
026





APPROVED

SIGNATURE OFFICE

[illegible]

Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
AAC	AAC
Drafter	Date
AAC	21 NOV 16

REVISION	BY/DATE
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SHEET TITLE

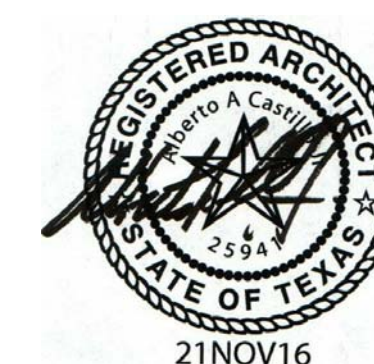
ENLARGE
PLAN

SHEET A601

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

607	PROJECT NUMBER
ER	FNZW 12-0053

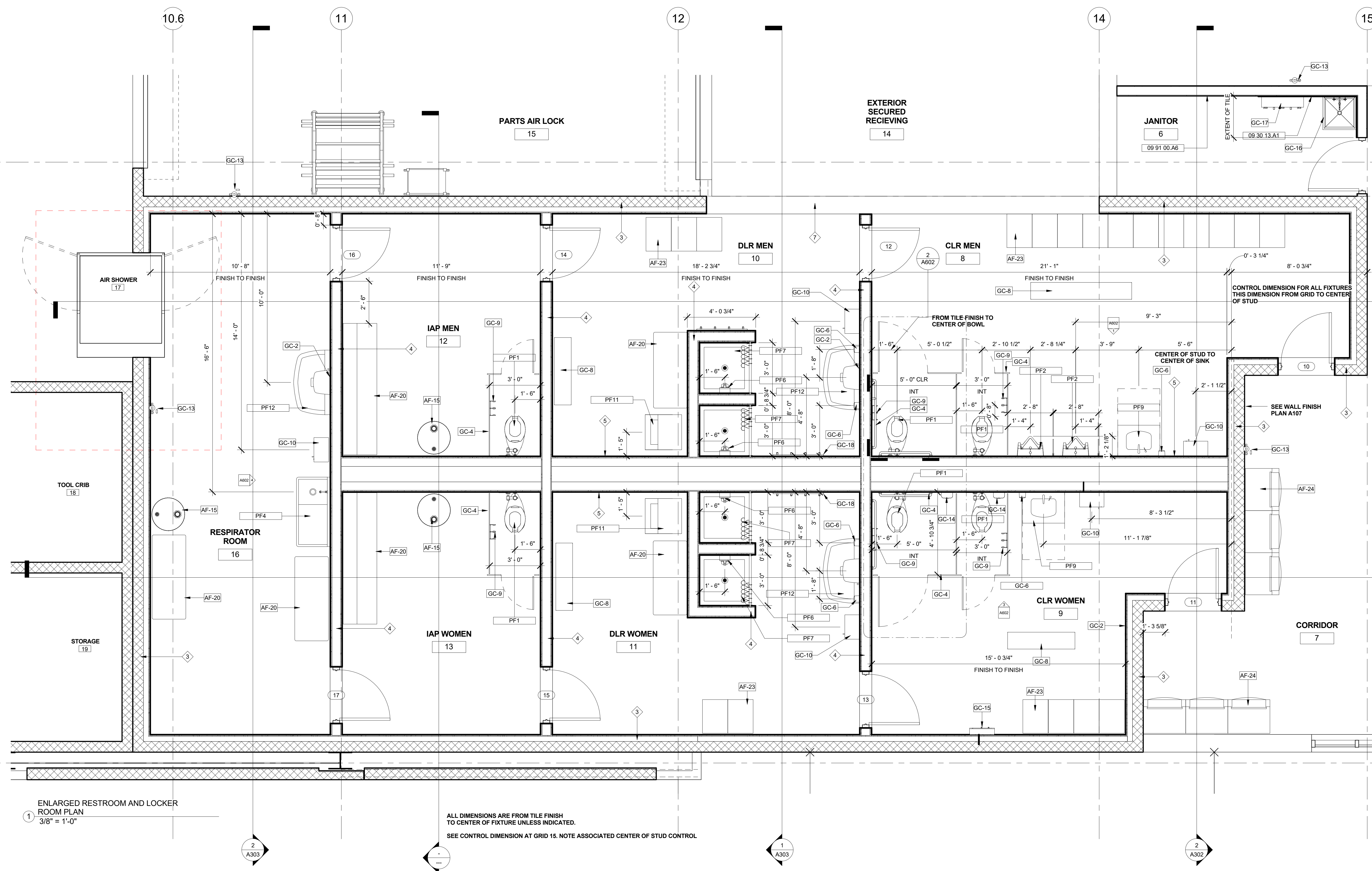
DRAWING NUMBER	FACILITY NUMBER
12-0053-A601.dwg	8040



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710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

027



1 ENLARGED RESTROOM AND LOCKER ROOM PLAN
3/8" = 1'-0"

ALL DIMENSIONS ARE FROM TILE FINISH
TO CENTER OF FIXTURE UNLESS INDICATED.

SEE CONTROL DIMENSION AT GRID 15. NOTE ASSOCIATED CENTER OF STUD CONTROL.

FLOOR PLAN KEYNOTE LEGEND	
Key Value	Keynote Text
09 30 13.A1	4"X4" CERAMIC WALL TILE; FIELD TILE - DAL TILE SEMI GLOSS - WHITE (1) 0100
09 91 00.A6	PAINT FINISH 6. SHERWIN-WILLIAMS, EGGSHELL 6140, MODERATE WHITE



DYESS
Air Force
Base
Texas

APPROVED
SIGNATURE OFFICE

COORDINATION

COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer AAC Project Manager AAC
Drafter Date
AAC 21 NOV 16

REVISION BY/DATE

SHEET TITLE

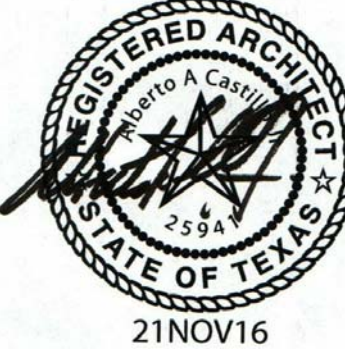
ENLARGED
ELEVATIONS

SHEET A602

PROJECT TITLE
REPAIR
MAINTENANCE SHOP
BUILDING 8040

PROJECT NUMBER
FNZW 12-0053

DRAWING NUMBER FACILITY NUMBER
12-0053-A602.dwg 8040

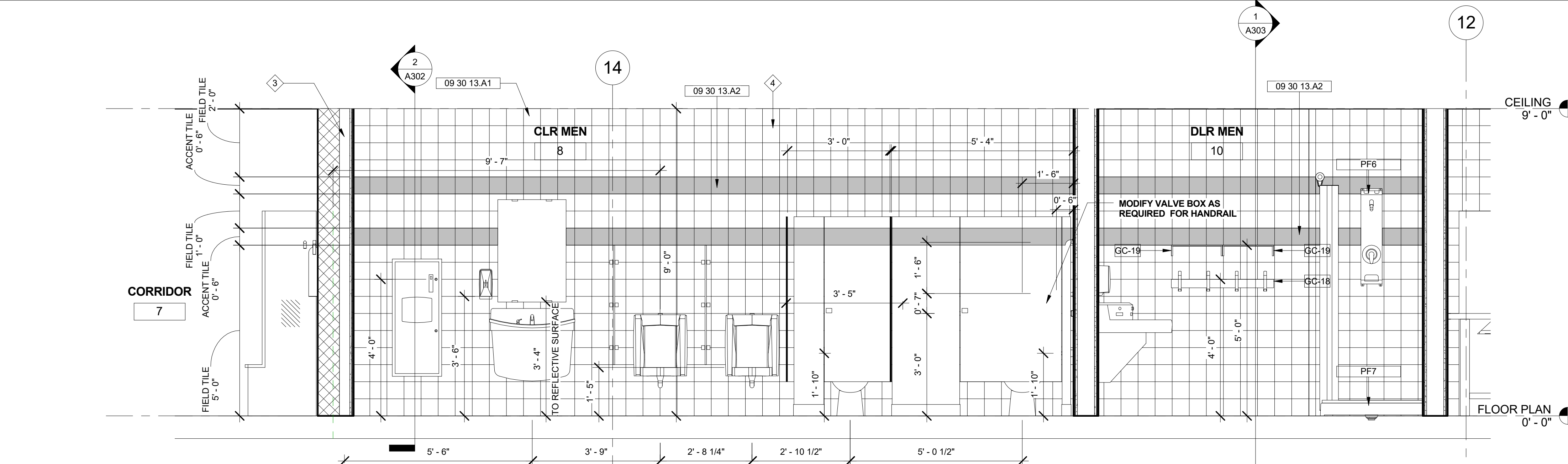


Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

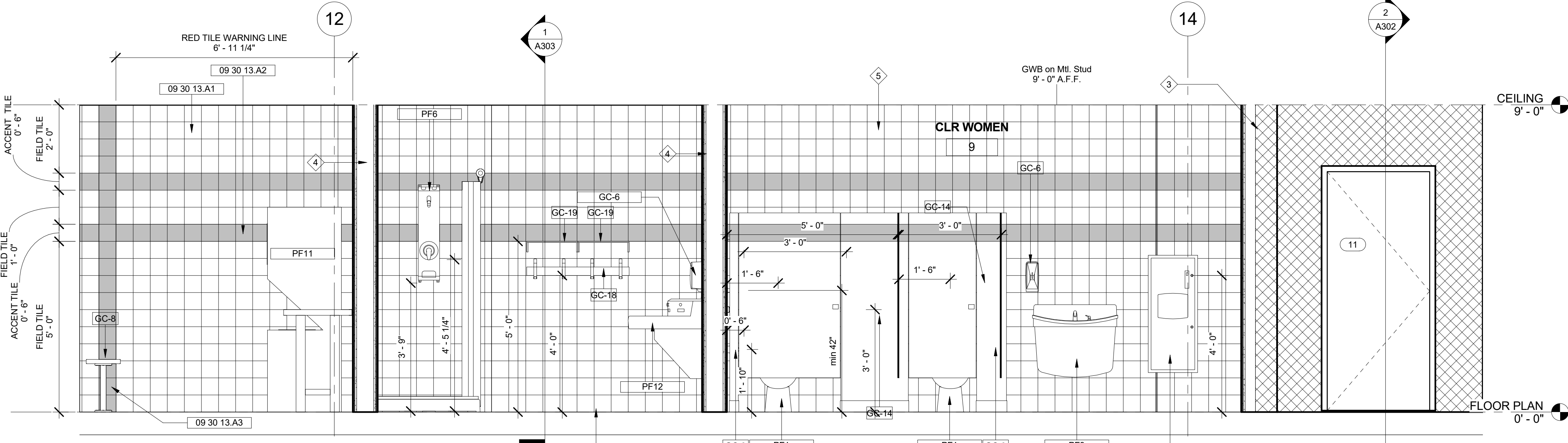
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21NOV16

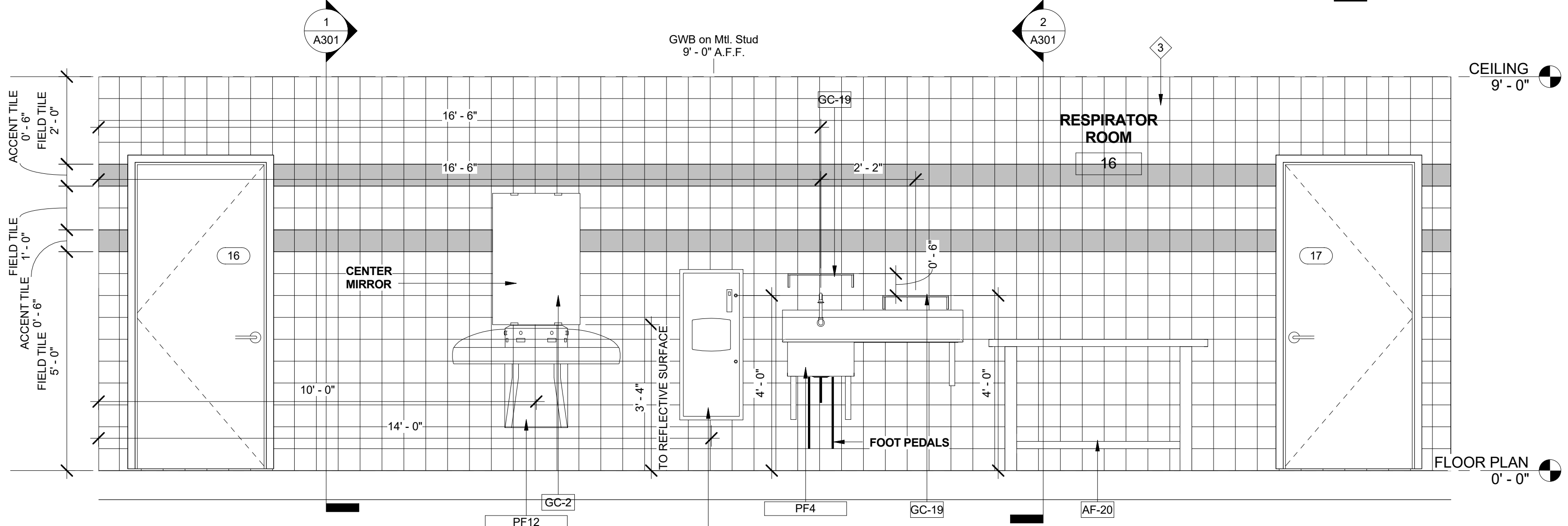


1 CLR MEN - ENLARGED ELEVATION
1/2" = 1'-0"
NOTE: ACCENT TILE TO BE ON ALL WALLS IN CLR, DLR AND IAP ROOMS

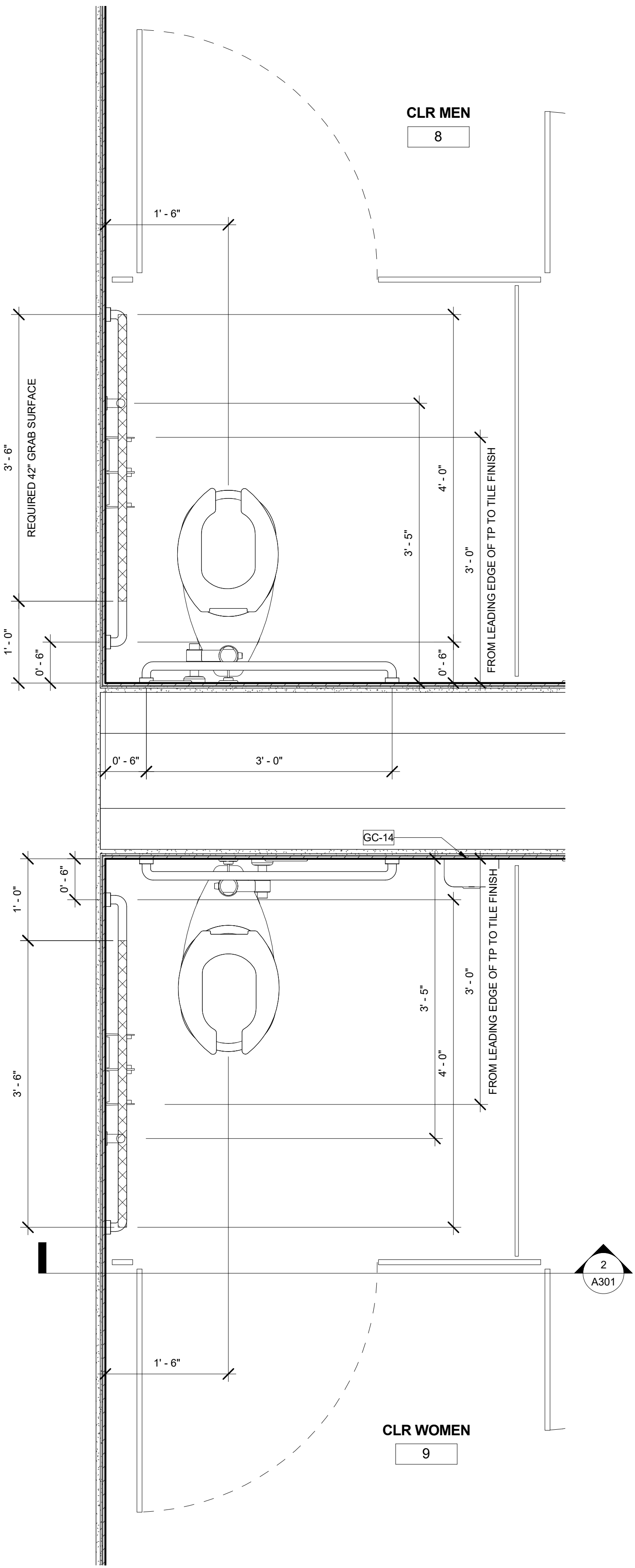


3 CLR WOMEN - ENLARGED ELEVATION
1/2" = 1'-0"
NOTE: ACCENT TILE TO BE ON ALL WALLS IN CLR, DLR AND IAP ROOMS

FLOOR PLAN KEYNOTE LEGEND	
Key Value	Keynote Text
09 30 13.A1	4"x4" CERAMIC WALL TILE: FIELD TILE - DAL TILE SEMI GLOSS - WHITE (1) 0100
09 30 13.A2	4"x4" CERAMIC WALL TILE: FIELD TILE - DAL TILE SEMI GLOSS - COBALT (3) DM14
09 30 13.A3	4"x4" CERAMIC WALL TILE: FIELD TILE - DAL TILE SEMI GLOSS - VERMILLION (5) ODM1



4 RESPIRATOR ROOM - ENLARGED ELEVATION
1/2" = 1'-0"
NOTE: ACCENT TILE TO BE ON ALL WALLS IN CLR, DLR AND IAP ROOMS



2 ENLARGED RESTROOM PLAN
1" = 1'-0"

Wall Panel Thickness	Drip Trim
2"	F5063
2 1/2"	F5064
3"	F5065
4"	F5066
5"	F5067
6"	F5068

01-GENERAL REQUIREMENTS

1. GOVERNING DESIGN CODES:

- A. INTERNATIONAL BUILDING CODE (IBC-2015)
B. CITY OF ABILENE AMENDMENTS TO THE 2015 INTERNATIONAL BUILDING CODE
C. AISC MANUAL OF STEEL CONSTRUCTION (14TH EDITION)
MEMBER DESIGN BASIS IS LOAD AND RESISTANCE FACTOR DESIGN (LRFD)
CONNECTION DESIGN BASIS IS LOAD AND RESISTANCE FACTOR DESIGN (LRFD)
D. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
E. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE7-10)
F. NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AIS S100-12)
G. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13)

2. SPECIAL INSPECTION REQUIREMENTS AND QUALITY CONTROL:

- A. SEE "STATEMENT OF SPECIAL INSPECTIONS" FOR REQUIREMENTS.

3. DEFERRED SUBMITTALS:

- A. DEFERRED SUBMITTALS ARE REQUIRED FOR THE FOLLOWING ITEMS. THE CONTRACTOR SHALL SUBMIT COPIES OF THESE ITEMS TO THE BUILDING DEPARTMENT AFTER REVIEW BY THE CONTRACTING OFFICER OF RECORD:
a. N/A

4. BUILDING CONSTRUCTION INFORMATION:

- A. BUILDING CONSTRUCTION TYPE: TYPE-II B
B. FIRE RESISTIVE RATINGS: 2HR RATED
C. RESTRAINED CONSTRUCTION: THE BUILDING SUPERSTRUCTURE INCLUDING ROOF AND FLOOR CONSTRUCTION IS CONSIDERED RESTRAINED PER THE DEFINITION OF RESTRAINED CONSTRUCTION GIVEN IN ASTM E119, APPENDIX X3, TABLE X3.1:
II. STEEL FRAMING - STEEL BEAMS WELDED, RIVETED OR BOLTED TO THE FRAMING MEMBERS.
D. DESCRIPTION OF LATERAL LOAD-RESISTING SYSTEM:
a. THE LATERAL LOAD-RESISTING ELEMENTS THAT PROVIDE LATERAL STRENGTH AND STABILITY OF THE COMPLETED STRUCTURE ARE AS FOLLOWS:
1. NEW ADDITION: BRACED FRAMES (E-W) & (N-S)
2. EXISTING STRUCTURE: MOMENT FRAMES (E-W) & BRACED FRAMES (N-S)
b. THE DIAPHRAGM ELEMENTS WITHIN THE LATERAL LOAD-RESISTING SYSTEM ARE AS FOLLOWS:
1. PLAN BRACING, INCLUDING THE CONNECTIONS OF THE BRACING TO THE LATERAL LOAD-RESISTING ELEMENTS.
2. DRAG STRUTS & ROOF PURLINS OF STEEL FRAMING AND ASSOCIATED CONNECTIONS.
c. SEE DETAILS FOR SPECIAL ERECTION CONSIDERATIONS AND LATERAL LOAD-RESISTING SYSTEM COMPONENTS NOT LISTED HERE.
d. TEMPORARY BRACING: DURING BUILDING ERECTION, THE STEEL ERECTOR SHALL DETERMINE, FURNISH AND INSTALL ALL TEMPORARY SUPPORTS AND BRACING NECESSARY FOR LATERAL STABILITY OF THE SUPERSTRUCTURE UNTIL THE LATERAL LOAD-RESISTING ELEMENTS AND DIAPHRAGMS ARE IN PLACE AND ALL CONNECTIONS ARE COMPLETE.

5. DESIGN LOAD CRITERIA:

- A. DEAD LOADS:
METAL PANELS 3 PSF
PURLINS & EAVE STRUTS 5 PSF
MAIN STEEL FRAMES SELF WEIGHT
COLLATERAL 5 PSF
TOTAL 10 PSF + SELF WEIGHT
B. FLOOR LIVE LOADS N/A
C. ROOF LIVE LOADS 20 PSF (REDUCIBLE)
D. BUILDING OCCUPANCY RISK CATEGORY (IBC TABLE 1604.5) II
E. SNOW LOADS:
1. GROUND SNOW LOAD, P_g 5 PSF
2. REQUIRED FLAT ROOF SNOW LOAD, P_f 5 PSF
3. SNOW EXPOSURE FACTOR, C_e 0.9
4. THERMAL FACTOR, C_t 1.0
5. SNOW LOAD IMPORTANCE FACTOR, I_s 1.0
6. ADDITIONAL SNOW LOAD DUE TO DRIFTING AND SLIDING SNOW PER ASCE 7 HAS BEEN CONSIDERED WHERE APPLICABLE
F. SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR, I_e 1.00
 S_{DS} 0.067
 S_{I1} 0.035
SITE CLASS D
 S_{DS} 0.071
 S_{I1} 0.056
SEISMIC DESIGN CATEGORY A
DESIGN SEISMIC FORCE RESISTING SYSTEM H, NOT DETAILED FOR SEISMIC DESIGN BASE SHEAR 0.72 KIPS (NEW ADDITION ONLY)
SEISMIC RESPONSE COEFFICIENT, C_s 0.01
RESPONSE MODIFICATION FACTOR, R 3.00
ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE ANALYSIS (ASCE7 SECTION 12.8)
G. WIND LOADS:
WIND IMPORTANCE FACTOR (I_w) 1.0
BASIC WIND SPEED 115 MPH
EXPOSURE C
RISK CATEGORY II
H. FOUNDATIONS DESIGN CRITERIA:
1. THE FOUNDATION DESIGN IS BASED ON AN PRESUMPTIVE ALLOWABLE BEARING VALUE. . . 1500PSF (IBC TABLE 1806.2 - CLASS #5 CLAY/SANDY CLAY/SILTY CLAY)

02-CONCRETE

1. CAST-IN-PLACE CONCRETE:

- A. ALL CONCRETE WORK INCLUDING FABRICATION AND PLACEMENT OF REINFORCING SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS GIVEN IN ACI 318 AND ACI 301 (REFERENCED EDITIONS) EXCEPT AS MODIFIED BY THE PROJECT CONTRACT DOCUMENTS.
B. CONCRETE MIXES SHALL SATISFY THE REQUIREMENTS GIVEN IN THE PROJECT SPECIFICATIONS.
C. CONCRETE STRENGTH: CONCRETE MIXES USED ON THE PROJECT SHALL ATTAIN 28-DAY COMPRESSIVE STRENGTHS AS FOLLOWS:

DESCRIPTION OF CONCRETE USE	CONCRETE TYPE	28-DAY COMPRESSIVE STRENGTH (PSI)
FOOTINGS	NW	4,000
FOUNDATIONS (WALLS & PILASTERS)	NW	4,000
NORMAL WEIGHT SLAB-ON-GRADE	NW	4,000
NOTES: 1. NORMAL WEIGHT CONCRETE (NW): 145 PCF, STONE AGGREGATE. 2. LIGHT-WEIGHT CONCRETE (LW): 110 PCF, LIGHT-WEIGHT COARSE AGGREGATE.		

- D. DURABILITY REQUIREMENTS: CONCRETE MIXES USED ON THE PROJECT SHALL BE PROPORTIONED TO SATISFY THE FOLLOWING DURABILITY REQUIREMENTS:

DESCRIPTION OF CONCRETE USE AND / OR EXPOSURE	FREEZE-THAW	PERMEABILITY	CORROSION	SULFATES
FOUNDATIONS (PILASTERS, WALLS,)	F2	P1	C1	S2
FOUNDATIONS (FOOTINGS)	F0	P1	C1	S2
INTERIOR EXPOSURE (ALL CONCRETE)	F0	P1	C0	S1
NOTES: 1. REFER TO ACI 318, CHAPTER 4 DEFINITION OF EXPOSURE CLASSIFICATIONS.				

- E. ALL CONCRETE IN CONTACT WITH ON-SITE SOILS SHALL CONTAIN TYPE (III) CEMENT.
F. ALL REINFORCING STEEL IN CONCRETE SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND SHALL MEET THE REQUIREMENTS OF ASTM A615 OR ASTM A706. REINFORCING SHOWN AS GRADE 80 SHALL HAVE A MINIMUM YIELD STRENGTH OF 80,000 PSI AND MEET THE REQUIREMENT OF ASTM A615.
G. CONCRETE REINFORCING USED IN WELDED APPLICATIONS SHALL CONFORM TO ASTM A706 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
H. MECHANICAL REINFORCING COUPLERS SHALL BE ZAP SCREWLOCK MANUFACTURED BY BAR SPLICE PRODUCTS, INC. (ICC REPORT ER-5461) OR APPROVED EQUIVALENT. COUPLERS SHALL BE ZINC COATED AND CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING.
I. WELDED WIRE FABRIC SHALL BE SUPPLIED IN SHEETS ONLY AND SHALL MEET THE REQUIREMENTS OF ASTM A185.
J. STEEL PLATES EMBEDDED IN CONCRETE SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. HEADED ANCHOR STUDS SHALL CONFORM TO ASTM A108, 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS WELDED TO PLATES SHALL CONFORM TO ASTM A706, GRADE 60.
K. REINFORCING DETAILING:
a. ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 318 AND ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT".
b. CONCRETE COVER: UNLESS OTHERWISE SHOWN ON PLANS OR IN DETAILS, PROVIDE THE FOLLOWING CONCRETE COVER TO REINFORCING:
1. CONCRETE POURED AGAINST EARTH. 3"
2. CONCRETE POURED IN FORMS AND EXPOSED TO WEATHER OR EARTH:
#5 BARS OR SMALLER 1-1/2"
BARS LARGER THAN #5 BARS 2"
3. COLUMNS, GIRDERS AND BEAMS (PRINCIPAL REINFORCING, TIES AND STIRRUPS). . . 1-1/2"
4. SLABS AND WALLS 3/4"
5. JOISTS 3/4"
c. SPLICES OF REINFORCING BARS ARE PERMITTED ONLY AS DETAILED OR AUTHORIZED BY THE CONTRACTING OFFICER. LAP SPLICES, WHERE PERMITTED, SHALL BE CLASS 'B' LAP SPLICES UNLESS NOTED OTHERWISE.
d. REINFORCING IN BEAMS, SLABS, JOISTS, WALLS AND GRADE BEAMS NOTED AS CONTINUOUS SHALL BE LAP SPliced WITH CLASS 'B' LAP SPLICES AS FOLLOWS:
1. TOP REINFORCING BARS - AT MIDSPAN
2. BOTTOM REINFORCING BARS - OVER SUPPORTS
e. SPLICE WIRE FABRIC REINFORCING BY LAP SPlicing ONE FULL MESH PLUS 2" AT SIDE AND END LAPS, BUT NOT LESS THAN 6". LAP SPLICES SHALL BE WIRE TIED. UNLESS NOTED OTHERWISE ON PLANS
f. MAKE ALL REINFORCING BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING. SEE DETAILS FOR REINFORCING AT WALL INTERSECTIONS AND CORNERS. SPLICE CORNER BARS WITH CLASS 'B' LAP SPLICES UNLESS SHOWN OTHERWISE.
g. AT LOCATIONS WHERE ALL REINFORCING WITHIN A STRUCTURAL ELEMENT WILL BE SPliced, THE SPLICES MUST BE STAGGERED UNLESS SHOWN OTHERWISE IN DETAILS OR SCHEDULES. OTHERWISE, STAGGER ADJACENT SPLICES WHERE POSSIBLE.
h. REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTHS: REFER TO DEVELOPMENT LENGTH AND LAP SPLICE SCHEDULE SHOWN BELOW FOR MINIMUM SPLICE AND DEVELOPMENT LENGTHS TO BE USED FOR DETAILING.

NOTES: 1. UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE CONTRACT DRAWINGS, USE THE MINIMUM LENGTH FOR A CLASS B LAP SPLICE OR THE MINIMUM DEVELOPMENT LENGTH INDICATED IN THE TABLES ABOVE MULTIPLIED BY THE APPLICABLE FACTORS LISTED BELOW. 2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS. 3. MINIMUM #4 @ 12" STIRRUP SHALL BE PROVIDED. 4. WHERE THE CLEAR SPACING BETWEEN BARS LAP SPliced OR EMBEDDED AT ANY SECTION IS LESS THAN 2 BAR DIAMETERS, OR WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE TABULATED LENGTH BY 50%. 5. TABLE IS FOR 1 OR 2 BAR BUNDLES ONLY. FOR DEVELOPMENT LENGTHS AND TENSILE LAP SPLICE LENGTHS OF BUNDLED BARS REFER TO ACI 318 SEC 12.4 OR CONTACT THE CONTRACTING OFFICER OF RECORD. 6. MECHANICAL COUPLERS MAY BE SUBSTITUTED FOR TENSION LAP SPLICES PROVIDED THEY MEET THE REQUIREMENTS OF ACI 318 SEC 12.14.					
NW - CONCRETE STRENGTH=3500 psi					
CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP		
	BAR SIZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	12	12	12	16	12
#4	19	15	25	19	
#5	28	22	36	28	
#6	38	29	49	38	
#7	58	45	75	58	
#8	66	51	86	66	
#9	75	58	97	75	
#10	84	65	109	84	
#11	93	72	121	93	

NW - CONCRETE STRENGTH=4000 psi					NW - CONCRETE STRENGTH=4500 psi				
CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP		CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP	
	BAR SIZE	TOP BARS	OTHER BARS	TOP BARS		BAR SIZE	TOP BARS	OTHER BARS	TOP BARS
#3	12	12	15	12	#3	12	12	14	12
#4	18	14	23	18	#4	17	13	22	17
#5	26	20	34	26	#5	25	19	32	25
#6	35	27	46	35	#6	33	26	43	33
#7	54	42	71	54	#7	51	40	67	51
#8	62	48	81	62	#8	59	45	76	59
#9	70	54	91	70	#9	66	51	86	66
#10	79	61	102	79	#10	74	57	96	74
#11	87	67	114	87	#11	82	64	107	82

- i. AT ENDS OF BEAMS, SLABS, JOINTS, WALLS AND GRADE BEAMS, TERMINATE TOP REINFORCING WITH STANDARD HOOKS UNLESS SHOWN OTHERWISE ON PLANS OR DETAILS.
j. REINFORCING AROUND OPENINGS IN WALLS AND FLOORS: UNLESS NOTED OTHERWISE ON PLAN OR IN DETAILS, PROVIDE 2-#5 BARS (ONE BAR EACH FACE) AT EACH SIDE OF OPENING (CIRCULAR OPENINGS SHALL BE CONSIDERED SQUARE WITH EQUIVALENT OPENING WIDTH EQUAL TO DIAMETER OF CIRCULAR OPENING). EXTEND #5 BARS PAST EDGES OF OPENING A DISTANCE OF 24".
EXCEPTIONS: RECTANGULAR OPENINGS WITH THE LARGEST OPENING DIMENSION LESS THAN 8" ON CENTER. SIDE RODS SHALL BE #8 SIZE AND SHALL CONFORM TO ASTM A82. STEEL PLATES EMBEDDED IN GROUTED MASONRY SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. HEADED ANCHOR STUDS SHALL CONFORM TO ASTM A108, 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS WELDED TO PLATES SHALL CONFORM TO ASTM A706, GRADE 60.
WHERE UNIFORMLY SPACED WALL OR SLAB REINFORCING IS INTERRUPTED BY THE OPENING, PROVIDE ADDITIONAL REINFORCING AT EACH EDGE EQUAL TO HALF THE AREA OF INTERRUPTED REINFORCING. SIZE OF ADDITIONAL BARS AT EACH EDGE SHALL MATCH THE SIZE OF INTERRUPTED REINFORCING. SPACE THE ADDITIONAL BARS AT 3" ON CENTER STARTING 1" FROM THE SIDE OF THE OPENING AND EXTEND THE BARS PAST THE EDGES OF THE OPENING THE LENGTH OF A CLASS 'B' SPLICE.

- L. WELDING OF REINFORCING IS NOT ALLOWED UNLESS DETAILED OR AUTHORIZED BY THE CONTRACTING OFFICER.
M. PLACING OF REINFORCING:
a. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON PLANS AND TO MAINTAIN REQUIRED CONCRETE COVER.
b. PROVIDE ADDITIONAL BARS AND SUPPORTS AS NECESSARY TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACEMENT.
c. ALL STIRRUPS SHALL HAVE A #3 SPACER BAR AT ALL CORNERS OVER LENGTH OF STIRRUP SPACING WHERE NO OTHER LONGITUDINAL REINFORCING BAR IS PRESENT.
d. WET-STABBING OF REINFORCING OR EMBEDS INTO PREVIOUSLY PLACED CONCRETE IS NOT ALLOWED.
N. CONTROL JOINTS IN CONCRETE:
a. PROVIDE CONTROL JOINTS IN CONCRETE WALLS AT A MAXIMUM SPACING OF 30'-0" ON CENTER. SEAL CONTROL JOINTS EXPOSED TO EARTH OR WEATHER WITH JOINT SEALANT.
b. PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT A MAXIMUM SPACING OF 12'-0" ON CENTER UNLESS OTHERWISE SHOWN ON PLAN OR IN DETAILS. COORDINATE JOINT LOCATIONS WITH FLOOR FINISHES AND LOCATE JOINTS AT COLUMN CENTERLINES, AT ENDS AND CORNERS OF WALLS, RE-ENTRANT CORNERS AND LOCATIONS PRONE TO CRACKING WHERE POSSIBLE. CONTRACTOR SHALL SUBMIT A PLAN LOCATING CONTROL JOINTS TO CONTRACTING OFFICER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
O. CONSTRUCTION JOINTS:
a. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINT LOCATIONS WHERE POSSIBLE.
b. SLABS, BEAMS, AND JOISTS SHALL NOT HAVE CONSTRUCTION JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT THIRD POINT OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS. UNLESS OTHERWISE SHOWN, ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR APPROVED BY THE CONTRACTING OFFICER.
c. FOR CONCRETE POURED ON METAL DECK, LOCATE CONSTRUCTION JOINTS FIVE FEET FROM THE CENTERLINE OF PARALLEL STEEL BEAMS OR GIRDERS, OR, HALFWAY BETWEEN ADJACENT BEAMS, WHICHEVER IS LESS.
d. ALL REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS, OR, PROVIDE DOVEL BAR SPLICERS CAPABLE OF DEVELOPING THE STRENGTH OF THE REINFORCING. LAP SPLICE DOVEL BAR EXTENSION AND DOVEL BAR SPLICER TO REINFORCING USING CLASS 'B' LAP SPLICES.
P. CONCRETE TOLERANCES: TOLERANCES SHALL CONFORM TO REQUIREMENTS GIVEN IN ACI 117 AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
a. ALIGNMENT OF WALLS AND COLUMNS:
1. FOR HEIGHTS 100 FEET OR LESS ADJACENT TO STONE OR BRICK VENEER: +0.50" AND -0.50" FROM THEORETICAL PLAN LOCATION.
2. FOR HEIGHTS GREATER THAN 100 FEET ADJACENT TO STONE OR BRICK VENEER: NO MORE THAN PLUS OR MINUS 1/2000 TIMES THE HEIGHT FROM THE THEORETICAL PLAN LOCATION (MAXIMUM +3").
3. ALIGNMENT DIFFERENCE BETWEEN ADJACENT STORIES SHALL NOT EXCEED 0.50".
b. ALIGNMENT OF WALLS SUPPORTING STRUCTURAL STEEL OR PRECAST FRAMING:
1. FOR HEIGHTS 100 FEET OR LESS: AND -0.75" FROM THEORETICAL PLAN LOCATION.
2. FOR HEIGHT GREATER THAN 100 FEET: NO MORE THAN PLUS OR MINUS 1/1500 TIMES THE HEIGHT FROM THE THEORETICAL PLAN LOCATION (MAXIMUM +4").
3. ALIGNMENT DIFFERENCE BETWEEN ADJACENT STORIES SHALL NOT EXCEED 0.50".
c. LATERAL ALIGNMENT:
1. EDGES OF SLABS ON BEAMS ADJACENT TO STONE OR BRICK VENEER: +0.50", -0.75"
2. EDGES OF SLABS AND BEAMS SUPPORTING STRUCTURAL STEEL OR PRECAST FRAMING: +0.75, -1.00"
3. ALIGNMENT DIFFERENCE BETWEEN EDGES OF ADJACENT STORIES SHALL NOT EXCEED 0.50".
d. LEVEL ALIGNMENT:
1. ELEVATION OF TOP OF FORMED SLABS (PRIOR TO REMOVAL OF SHORES): +0.75", -0.75" FROM SPECIFIED ELEVATION.
2. ELEVATION OF TOP OF SLABS POURED ON METAL DECK:
i. AT COLUMNS, WALLS AND OTHER VERTICAL SUPPORTS: +0.75", -0.75" FROM SPECIFIED ELEVATION.
ii. OVER FLOOR FRAMING: SET SCREDS AND ADJUST AS REQUIRED TO ACHIEVE SPECIFIED UNIFORM SLAB THICKNESS OVER BEAMS, ALLOWING FOR BEAM CAMBER AND DEFLECTION. ADDITIONAL SLAB THICKNESS BETWEEN BEAMS DUE TO DEFLECTION OF METAL DECK IS ACCEPTABLE.
Q. CONCRETE PLACEMENT:
a. CONSOLIDATE ALL CONCRETE DURING PLACEMENT AND THOROUGHLY WORK AROUND REINFORCING AND EMBEDDED ITEMS AND INTO CORNERS OF FORMS FOLLOWING ACI RECOMMENDATIONS.
b. WHEN CONCRETE PLACEMENT IS INTERRUPTED, NOTIFY THE CONTRACTING OFFICER FOR RECOMMENDATIONS. UNLESS DIRECTED OTHERWISE, PROVIDE A CONSTRUCTION JOINT BY ROUGHENING THE CONCRETE SURFACE TO AN AMPLITUDE OF 1/4". COAT THE JOINT SURFACE WITH THE SPECIFIED BONDING AGENT PRIOR TO POURING CONCRETE.

2. POST-INSTALLED ANCHORS INTO CONCRETE:

- A. PROVIDE POST-INSTALLED, CONCRETE ANCHORS AS SHOWN IN THE CONTRACT DOCUMENTS AND IN THE SPECIFICATIONS.
B. ANCHORS SUPPORTING FIRE-RESISTANCE RATED FRAMING (FIRE-PROOFED STRUCTURAL FRAMING), SHALL BE ONE OF THE FOLLOWING: HILTI HDA, KWIK BOLT TZ ANCHORS OR AS INDICATED ON PLANS AND DETAILS. ANCHOR INSTALLATION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS PARAGRAPH GIVEN IN THE GENERAL NOTES AND SHALL BE PROTECTED WITH CEMENTITIOUS SPRAY-APPLIED FIRE PROOFING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
C. ANCHORS SUPPORTING STRUCTURAL FRAMING SHALL BE ONE OF THE FOLLOWING: HILTI HDA, KWIK BOLT TZ ANCHORS OR AS INDICATED ON PLANS AND DETAILS. ANCHOR INSTALLATION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS PARAGRAPH GIVEN IN GENERAL NOTES.
D. ANCHORS SUPPORTING MASONRY FRAMING SHALL BE AS SHOWN IN THE PLANS AND DETAILS. IF NOT OTHERWISE SPECIFIED, THE ANCHORS SHALL BE HILTI KWIK BOLT TZ.
E. ANCHORS SUPPORTING ARCHITECTURAL, ELECTRICAL AND MECHANICAL EQUIPMENT SHALL BE AS INDICATED IN THE PLANS AND DETAILS. IF NOT OTHERWISE SPECIFIED, THE ANCHORS SHALL BE HILTI HDI CONCRETE EXPANSION ANCHOR.
F. ANCHORS ATTACHING LIGHT-GAGE, STEEL FRAMING TO CONCRETE SHALL BE HILTI LOW-VELOCITY, X-U UNIVERSAL POWDER-DRIVEN TRACK FASTENERS UNLESS SHOWN OTHERWISE IN PLANS OR DETAILS.
G. PRIOR TO ANCHOR INSTALLATION, LOCATE EXISTING REINFORCING WITHIN CONCRETE SUBSTRATE. DO NOT DAMAGE EXISTING REINFORCING DURING INSTALLATION. CONTACT THE CONTRACTING OFFICER IF ANCHOR LOCATION CONFLICTS WITH EXISTING REINFORCING.
H. PRODUCT SUBSTITUTION: THE CONTRACTOR MAY SUBMIT ALTERNATE ANCHORS FOR REVIEW AND APPROVAL PROVIDED THE ACCOMPANYING PRODUCT DATA IS SATISFACTORY TO THE CONTRACTING OFFICER FOR COMPARISON TO THE SPECIFIED ANCHORS.

03-MASONRY

1. CONCRETE MASONRY UNITS:

- A. ALL CONCRETE MASONRY WORK INCLUDING FABRICATION AND PLACEMENT OF REINFORCING SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS GIVEN IN ACI 530 AND ACI 530.1 (REFERENCED EDITIONS) EXCEPT AS MODIFIED BY THE PROJECT CONTRACT DOCUMENTS.
B. MASONRY BLOCK UNITS SHALL CONFORM TO ASTM C90 (LIGHTWEIGHT BLOCK) MOISTURE CONTROLLED UNITS.
C. MORTAR USED IN MASONRY CONSTRUCTION SHALL BE PORTLAND CEMENT / LIME, OR MORTAR CEMENT, AND CONFORM TO ASTM C270 AS FOLLOWS:
a. MASONRY FACADE ABOVE FINISHED GRADE: TYPE NX.
D. GROUT USED IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM C476 AND SHALL DEVELOP 3,000 PSI (MINIMUM) COMPRESSIVE STRENGTH IN 28-DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C1019.
E. MASONRY SHALL DEVELOP 1,800 PSI (MINIMUM) COMPRESSIVE STRENGTH (f'm) IN 28 DAYS WHEN TESTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
F. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND SHALL MEET THE REQUIREMENTS OF ASTM A615 OR ASTM A706.
G. REINFORCING USED IN WELDED APPLICATIONS SHALL CONFORM TO ASTM A706 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
H. HORIZONTAL JOINT REINFORCING SHALL CONFORM TO ASTM A851 (LADDER-TYPE) WITH CROSS WIRES AT 16" ON CENTER. SIDE RODS SHALL BE #8 SIZE AND SHALL CONFORM TO ASTM A82.
I. STEEL PLATES EMBEDDED IN GROUTED MASONRY SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. HEADED ANCHOR STUDS SHALL CONFORM TO ASTM A108, 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS WELDED TO PLATES SHALL CONFORM TO ASTM A706, GRADE 60.

- J. REINFORCING DETAILING:
a. ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 530 AND ACI 530.1.
b. VERTICAL REINFORCING SHALL EXTEND THE FULL HEIGHT OF THE WALL AND SHALL BE GROUTED IN PLACE.
c. CONTINUOUS REINFORCING MAY BE SPliced AS REQUIRED USING BARS OF LONGEST PRACTICAL LENGTH. HORIZONTAL REINFORCING SHALL BE CONTINUOUS AROUND WALL CORNERS AND INTERSECTIONS.
d. WHERE REQUIRED, REINFORCING SPLICES SHALL BE SHOWN ON REINFORCING SHOP DRAWINGS AND SHALL CONFORM TO THE FOLLOWING SCHEDULE:

MASONRY LAP SPLICE SCHEDULE				
BAR SIZE	BAR CENTERED IN CELL			BAR AT EDGE OF CELL
	6" BLOCK	8" BLOCK	10" AND 12" BLOCK	ALL BLOCK SIZES
3	16	16	16	18
4	22	22	22	32
5	34	28	28	45
6	54	50	46	54
7	64	64	52	64
NOTES: 1. VALUES APPLY ONLY FOR MASONRY COMPRESSIVE STRENGTH (f'm) OF 1,350 PSI. 2. LAP LENGTHS IN TABLE ABOVE ARE GIVEN IN INCHES. 3. VALUES ONLY APPLY WHEN A SINGLE BAR IS WITHIN CELL. 4. PROVIDE MECHANICAL SPLICES FOR #8 BARS AND LARGER.				

- e. VERTICAL REINFORCING SHALL BE DOWELED INTO FOUNDATION OR SLAB SUPPORTING MASONRY. PROVIDE DOWELS OF ADEQUATE LENGTH FOR DEVELOPMENT LENGTH INTO FOUNDATION AND LAP SPLICE PROJECTION ABOVE. FOR MASONRY SUPPORTED ON SLABS, PROVIDE DOWELS EMBEDDED INTO SLAB WITH STANDARD HOOKS. DOWEL SIZE AND SPACING SHALL MATCH VERTICAL REINFORCING.
K. MINIMUM WALL REINFORCING:
a. REINFORCE MASONRY WALLS AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, REINFORCE WALLS (INCLUDING PARTITION WALLS) WITH #5 VERTICAL BARS AT 48" ON CENTER MAXIMUM SPACING.
b. PROVIDE 1-#5 BAR AT ALL CORNERS, ENDS OF WALLS, EACH SIDE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS.
c. PROVIDE HORIZONTAL JOINT LADDER-TYPE REINFORCING AT 16" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE PREFABRICATED JOINT REINFORCING ASSEMBLIES FOR CORNERS AND INTERSECTIONS. LAP SPLICE JOINT REINFORCING 8" KEEPING CLEAR OPENING CLEAR OF CROSS WIRES.
d. PROVIDE ADDITIONAL HORIZONTAL JOINT REINFORCING IN BED JOINT ABOVE MASONRY COURSE OPENINGS. EXTEND JOINT REINFORCING A MINIMUM OF 2'-6" PAST EDGE OF OPENINGS.
e. PROVIDE BOND BEAMS IN MASONRY WALLS AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, PROVIDE BOND BEAMS WITH 2-#5 BARS AS FOLLOWS:
1. AT TOP COURSE OF PARAPETS.
2. IN ONE OF THE UPPER THREE COURSES OF ALL WALLS.
3. UNLESS SHOWN OTHERWISE IN LINTEL SCHEDULE, OVER THE TOP OF ALL OPENINGS GREATER THAN 24" WIDE, EXTENDING 2'-6" PAST EDGE OF OPENING.
f. PROVIDE A VERTICALLY REINFORCED CELL ON BOTH SIDES OF CONTROL JOINT.
L. OPENINGS IN WALLS:
a. REFER TO ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF OPENINGS THROUGH MASONRY WALLS. PROVIDE LOOSE LINTEL OR BOND BEAM OVER TOP OF OPENINGS GREATER THAN 24" WIDE.
M. REINFORCING PLACEMENT:
a. ALL REINFORCING SHALL HAVE A MINIMUM GROUT COVER OF ONE BAR DIAMETER.
b. BARS CENTERED IN CELLS SHALL BE HELD SECURELY IN PLACE. BARS NOTED AS "EACH FACE" SHALL BE SECURED IN PLACE AT 1/2" CLEAR TO INSIDE FACE OF CELL WALL USING PREFABRICATED REBAR POSITIONERS.
N. CONTROL JOINTS: UNLESS SHOWN OTHERWISE ON STRUCTURAL OR ARCHITECTURAL DRAWINGS, PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 20'-0" ON CENTER IN EXTERIOR WALLS AND 25'-0" ON CENTER IN INTERIOR WALLS.
O. GROUTING:
a. FILL ALL BLOCK CELLS CONTAINING REINFORCING WITH GROUT.
b. FILL ALL VOIDS AND CELLS WITH GROUT FOR A DISTANCE OF 24" BELOW AND 16" EACH SIDE OF ALL BEAM AND LINTEL REACTIONS OR OTHER CONCENTRATED LOADS UNLESS SHOWN OTHERWISE.
c. FILL ALL VOIDS AND CELLS OF MASONRY BLOCK SUPPORTING SLABS OR STEEL DECK FOR A DISTANCE OF 8" BELOW BEARING ELEVATION.
d. UNLESS SHOWN OTHERWISE IN DETAILS, GROUT CELLS CONTAINING ANCHORS OR EMBEDMENT PLUS ADJACENT CELLS BELOW, ABOVE AND EACH SIDE.
e. FILL ALL CELLS BELOW GRADE WITH GROUT.
f. FILL ALL CELLS ABOVE ROOF LEVEL WITH GROUT AT PARAPETS.
g. WHERE A CHANGE IN WALL THICKNESS OCCURS, GROUT THE TOP COURSE OF THE THICKER WALL.
h. GROUT BEAM AND JOIST POCKETS WHERE REQUIRED TO MAINTAIN FIRE RATING OF WALL.
P. SLIP JOINTS: PROVIDE SLIP JOINTS AT THE TOP OF ALL NON-LOAD BEARING WALLS. UNLESS SHOWN OTHERWISE ON DRAWINGS, BRACE TOP OF WALLS TO STRUCTURE ABOVE USING L4x4x1/4" BY 12" LONG EACH SIDE OF WALL AT 8'-0" ON CENTER. ATTACH ANGLES DIRECTLY TO FRAMING ABOVE, OR USE L3x3x1/4" ANGLE FRAMING AS HANGERS AND KICKERS AS REQUIRED TO SUSPEND L4x4x1/4" FROM FRAMING ABOVE.
Q. MAINTAIN SUPPORT OF MASONRY LINTELS FOR A MINIMUM OF SEVEN DAYS OR UNTIL MASONRY HAS REACHED STRENGTH SUFFICIENT TO SAFELY SUPPORT IMPOSED LOADS.
R. MASONRY WALL CONSTRUCTION SHALL BE RUNNING BOND UNLESS NOTED OTHERWISE ON THE DRAWINGS.

04-STEEL

1. STRUCTURAL STEEL:

- A. REFERENCE STANDARDS: STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION AND THE AISC CODE OF STANDARD PRACTICE (REFERENCED EDITIONS) WITH EXCEPTIONS NOTED IN THE PROJECT SPECIFICATIONS.
B. OSHA REQUIREMENTS:
a. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL BOLTS, ANCHORS, STIFFENERS, STABILIZERS, BRIDGING, BRACING, OPENING CLOSURES, ETC. AS NECESSARY TO COMPLY WITH CURRENT OSHA REGULATIONS.
b. ALL RIGGING FOR SAFETY CABLES, LIFTING DEVICES, AND TEMPORARY BRACING SHALL BE CONNECTED TO ANGLES, PLATES OR OTHER MEMBERS DESIGNED AND DETAILED BY THE STEEL SUPPLIER AND SHALL BE SHOP WELDED TO STRUCTURAL MEMBERS. DO NOT PROVIDE HOLES IN STRUCTURAL MEMBERS FOR CONNECTION OF RIGGING CABLES, LIFTING DEVICES OR TEMPORARY BRACING UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ADDED MEMBERS WHERE THEY INTERFERE WITH OTHER WORK OR ARE EXPOSED TO VIEW.



Prepared for:
7th CES/CENM
710 THIRD ST
D 8005 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

032



DYESS
Air Force
Base
TEXAS

APPROVED
SIGNATURE OFFICE

COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

REVISION BY/DATE

SHEET TITLE

GENERAL
NOTES

SHEET

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PROJECT TITLE

REPAIR
MAINTENANCE SHOP
BUILDING 8040

PROJECT NUMBER

165001

DRAWING NUMBER

12-0053-S00.dwg

C. MATERIAL REQUIREMENTS: STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS:

- a. WIDE FLANGE SHAPES: ASTM 992, GRADE 50
- b. ANGLES, CHANNELS AND PLATES: ASTM A36 OR ASTM A572, GRADE 50
- c. RECTANGULAR HSS SECTIONS: ASTM A500, GRADE "B" (FY=46KSI)
- d. ROUND HSS SECTIONS: ASTM A500, GRADE "B" (FY=42KSI)
- e. STRUCTURAL PIPES: ASTM A53, GRADE "B" (FY=35KSI)
- f. HIGH-STRENGTH BOLTS: ASTM A325 OR ASTM A490
- g. ANCHOR BOLTS: ASTM F1554, GRADE 36 (WELDABLE)
- h. HIGH-STRENGTH ANCHOR BOLTS: ASTM F1554, GRADE 105
- i. HEADED ANCHOR STUDS (H.A.S.): ASTM A108 AND AWS D1.1
- j. DEFORMED BAR ANCHORS (D.B.A.): ASTM A496, GRADE 70 AND AWS D1.1
- k. WELDING ELECTRODES: AWS D1.1 E70 SERIES
- l. GALVANIZED FINISH: ASTM A123

D. SHOP PRIMING OF STEEL: STRUCTURAL STEEL SCHEDULED TO BE SPRAYED WITH FIRE RESISTIVE MATERIAL SHALL NOT BE SHOP PRIMED UNLESS NOTED OTHERWISE. ALL OTHER STEEL SHALL BE PAINTED WITH FABRICATOR'S STANDARD, ZINC CHROMATE OR RED OXIDE PRIMER. OMIT PRIMER ON SURFACES ENCLOSED IN CONCRETE, SURFACES TO BE WELDED, CONTACT SURFACES IN SLIP CRITICAL CONNECTIONS AND TOPS OF BEAMS IN COMPOSITE CONSTRUCTION.

E. CONNECTIONS:

- a. BEAM CONNECTIONS SHALL BE STANDARD FRAMED CONNECTIONS AS SHOWN IN PART 10 OF THE AISC "MANUAL OF STEEL CONSTRUCTION" FOURTEENTH EDITION.
- b. SEE SPECIFICATIONS FOR ADDITIONAL CONNECTION SUBMITTAL REQUIREMENTS FOR ALTERNATE CONNECTIONS AND FOR CONNECTIONS NOT COMPLETELY DETAILED OR NOT INDICATED ON THE DRAWINGS.
- c. ALL CONNECTIONS SHALL BE DESIGNED TO SUPPORT A MINIMUM UNFACTORED SERVICE LOAD OF 12 KIPS.
- d. BOLTED CONNECTIONS:
 - 1. MINIMUM CONNECTION REQUIREMENT: USE 3/4" DIAMETER, ASTM A325 HIGH-STRENGTH BOLTS UNLESS NOTED OTHERWISE ON DRAWINGS.
 - 2. FOR ALL HIGH-STRENGTH BOLTED CONNECTIONS, APPROPRIATE NUTS AND HARDENED WASHERS SHALL BE PROVIDED PER PROJECT SPECIFICATIONS.
 - 3. ALL CONNECTIONS SHALL BE TYPE (PT) PRETENSIONED WITH TENSION CONTROL BOLTS UNLESS NOTED ON THE DRAWINGS AS TYPE SC (SLIP CRITICAL) OR TYPE N (BEARING OR SNUG-TIGHTENED) CONNECTIONS.
 - 4. UNLESS NOTED OTHERWISE ON THE DRAWINGS PROVIDE DOUBLE CLIP ANGLE CONNECTIONS FOR ALL FRAME MEMBERS ACCORDING TO THE CRITERIA IN THE FOLLOWING TABLE.

NUMBER OF BOLTS	FRAMING MEMBER SIZES	MIN CLIP ANGLE THICKNESS	MIN WELD SIZE
2	W8, W10, S8, S10, C8, C9, C10 MC8, MC9, MC10	1/4"	3/16"
3	W12, S12, C12, MC12, MC13	1/4"	1/4"
4	W16, S15, C15	1/4"	1/4"
5	W18, S18, MC18	5/16"	5/16"
6	W21, S20	5/16"	5/16"
7	W24 & LARGER, S24	5/16"	5/16"

- e. WELDED CONNECTIONS:
 - 1. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS.
 - 2. WELD SIZES AND LENGTHS ARE SHOWN ON THE DRAWINGS. WELD SIZES ARE THE NET EFFECTIVE SIZE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT FAYING SURFACE. MINIMUM FILLET WELD SIZE IS 3/16".
 - 3. WELDS SHALL BE CONTINUOUS UNLESS SHOWN OTHERWISE.
 - 4. GROOVE WELDS SHALL BE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE. BACKING BARS AND RUNOFF TABS SHALL BE REMOVED AFTER WELDING IS COMPLETE.
- f. HEADED ANCHOR STUDS: WELDS STUDS TO PLATES AND EMBEDDED ITEMS IN FABRICATOR'S SHOP WHERE POSSIBLE. FOR COMPOSITE CONSTRUCTION, FIELD WELD CONNECTORS THROUGH MEAL DECK. PROVIDE WELDING WASHERS AT DECK GAGES LIGHTER THAN 22 GAGE. WELDS SHALL DEVELOP FULL STRENGTH OF CONNECTORS. WELDING FERRULES MUST BE REMOVED PRIOR TO INSPECTION AND PLACEMENT OF CONCRETE.
- g. ANCHOR RODS: PROVIDE ANCHOR RODS WITH HEX NUT TACK WELDED TO EMBEDDED END OF BOLT.

F. GALVANIZING OF STEEL:

- a. ALL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE GALVANIZED OR PAINTED WITH A HIGH PERFORMANCE PAINT SYSTEM PER PROJECT SPECIFICATIONS.
- b. STEEL LINTELS SUPPORTING ANCHORED VENEER SHALL BE GALVANIZED UNLESS NOTED OTHERWISE ON DRAWINGS OR IN SPECIFICATIONS.

G. FIELD MODIFICATION OF STEEL: STRUCTURAL STEEL SHALL NOT BE CUT IN FIELD OR MODIFIED WITHOUT PRIOR APPROVAL OF THE CONTRACTING OFFICER. SPLICING STEEL MEMBERS IS NOT PERMITTED EXCEPT WHERE SHOWN ON THE DRAWINGS OR WHERE APPROVED BY THE CONTRACTING OFFICER. WHERE APPROVED, SPLICES SHALL NOT OCCUR AT LOCATIONS OF MAXIMUM STRESS AND SHALL DEVELOP THE FULL CAPACITY OF THE MEMBER. SPLICE DETAILS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING THE WORK.

A. MISCELLANEOUS STRUCTURAL STEEL IS DEFINED FOR THE PURPOSE OF THIS SECTION AS STEEL ITEMS OTHER THAN THE MAIN SUPERSTRUCTURE FRAMING (COLUMNS, BEAMS, JOISTS, GIRDERS, TRUSSES) AND LATERAL BRACING).

B. THE STEEL SUPPLIER SHALL PROVIDE ALL MISCELLANEOUS STRUCTURAL STEEL ITEMS NECESSARY TO FULFILL THE INTENT OF THE STRUCTURAL DRAWINGS WHETHER OR NOT THE ITEMS ARE SHOWN ON THE STRUCTURAL DRAWINGS. SUCH ITEMS MAY INCLUDE BUT ARE NOT LIMITED TO: EDGE ANGLES, CLOSURE PLATES AND WALL OR ROOF SUPPORT FRAMING.

C. ROOF OPENINGS: NO ROOF OPENINGS SHALL NOT BE CUT IN THE FIELD WITHOUT PRIOR APPROVAL OF THE CONTRACTING OFFICER.

D. ROOF & WALL PANELS:

- 1. ALL STEEL PANELS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH ALL MANUFACTURER RECOMMENDATIONS. ALL STEEL PANEL ATTACHMENTS SHALL BE MADE USING FASTENERS APPROVED BY THE MANUFACTURER.
- 2. SEE ARCHITECTURAL DRAWINGS FOR ROOF AND WALL PANEL MAKE AND MODEL.
- 3. ROOF AND WALL PANEL ATTACHMENTS SHALL BE MADE USING THE **MAXIMUM NUMBER OF FASTENERS** APPROVED BY THE MANUFACTURER. WALL PANELS SHOULD BE CONNECTED USING FASTER PATTERN "FP3" AND ROOF PANLES USING PATTERN "FP2".

A. COLD-FORMED METAL FRAMING REFERENCED IN THIS SECTION PERTAINS TO FRAMING DESCRIBED IN SPECIFICATION DIVISION 05400 ONLY.

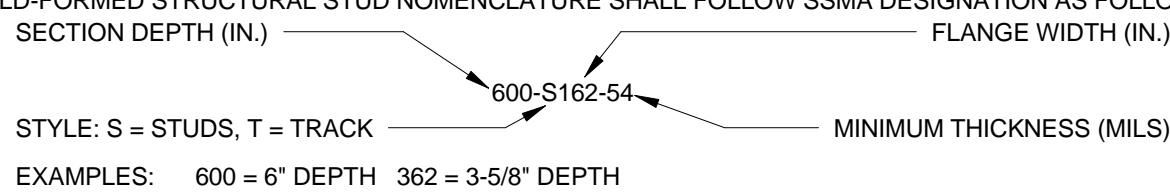
B. REFERENCE STANDARDS: COLD-FORMED METAL FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD- FORMED- STEEL STRUCTURAL MEMBERS".

C. FABRICATION: COLD-FORMED METAL FRAMING PRODUCTS SHALL BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

D. SHEET STEEL USED IN THE FABRICATION OF COLD-FORMED FRAMING PRODUCTS SHALL CONFORM TO ASTM A1003, STRUCTURAL GRADE, TYPE H C84, ASTM A653 AND SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A924, 560, MINIMUM YIELD STRENGTH 50,000 KSI.

E. COLD-FORMED STRUCTURAL STUD NOMENCLATURE SHALL FOLLOW SSMA DESIGNATION AS FOLLOWS:

SECTION DEPTH (IN.)	FLANGE WIDTH (IN.)
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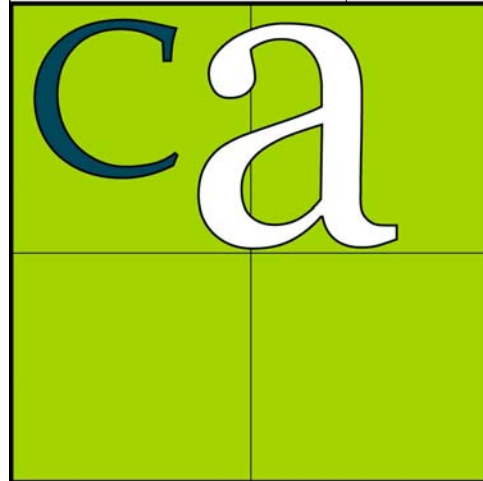


- F. MINIMUM COLD-FORMED MEMBER SIZE REQUIREMENTS SHALL CONFORM TO THE FOLLOWING UNLESS SHOWN OTHERWISE ON THE DRAWINGS:
- a. EXTERIOR STUDS AND JOISTS: 600S162-54 (16 GAGE).
 - b. INTERIOR STUDS: 600S137-33 (20 GAGE) OR 362S137-33 (20 GAGE).
 - c. TRACK: THICKNESS SHALL MATCH WALL OR JOIST FRAMING AND HAVE 12S DEEP LEGS (1/4").
 - d. DEEP LEG TRACK (DEFLECTION TRACK): THICKNESS SHALL BE 97 MILS (12 GAGE) AND HAVE 20 DEEP LEGS (2").
- G. FASTENERS:
- a. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, PROVIDE TRAXX#10, SELF-DRILLING FASTENERS AT ALL COLD-FORMED FRAMING CONNECTIONS (MINIMUM 20 SCREWS PER CONNECTION). PROVIDE SUFFICIENT NUMBER OF SCREWS AT EACH CONNECTION TO SUPPORT ALL APPLIED LOADS.
 - b. PROVIDE HILTI POWDER-ACTUATED, UNIVERSAL KNURLED SHANK FASTENERS (X-U) TO ATTACH COLD-FORMED FRAMING TO CONCRETE SUBSTRATES. PROVIDE SUFFICIENT NUMBER OF FASTENERS TO TRANSFER ALL LOADS INTO CONCRETE. (MAXIMUM SPACING OF FASTENERS SHALL BE GREATER THAN STUD SPACING).
 - c. WELDS: UNLESS NOTED OTHERWISE ON THE DRAWINGS, WELDS SHALL BE FILLET WELDS (MINIMUM TWO-3/4" LONG WELDS PER CONNECTION). PAINT ALL WELDS IN EXTERIOR WALL CONSTRUCTION WITH ZINC-RICH PAINT.
- H. INSTALLATION:
- a. SPLICING OF STUDS AND JOISTS SHALL NOT BE PERMITTED.
 - b. ALL CORNERS SHALL BE FRAMED WITH A MINIMUM OF THREE STUDS OF THE SAME DEPTH AND GAGE AS WALL STUDS, UNLESS NOTED OTHERWISE.
 - c. FRAME WALL OPENINGS WIDER THAN STUD SPACING AND JAMB STUDS AS REQUIRED.
 - d. MULTIPLE STUDS AT JAMBS OF OPENINGS SHALL BE SECURED TOGETHER WITH EITHER SELF-DRILLING FASTENERS OR 3/4" LONG FILLET WELDS AT EACH FLANGE AT 12" O.C. UNLESS NOTED OTHERWISE.
 - e. BRACE WALL STUDS USING EITHER COLD-ROLLED CHANNELS THROUGH PUNCH-OUTS OR BY HORIZONTAL STRAPS AT EACH FLANGE WITH TRACK BLOCKING. BRACING SHALL CONFORM TO SECTION D3 OF THE AISI SPECIFICATION.
 - f. NON-LOAD BEARING FRAMING:
 - 1. PROVIDE JACK STUDS OR CRIPPLES BELOW WINDOW SILLS, ABOVE WINDOW AND DOOR HEADS AND ELSEWHERE AS REQUIRED.
 - 2. PROVIDE DEFLECTION ALLOWANCE AT TOP OF ALL WALLS TO ACCOMMODATE STRUCTURAL MOVEMENT. SUBMIT DETAILS INCLUDING MANUFACTURER'S PRODUCT LITERATURE TO THE CONTRACTING OFFICER FOR REVIEW.
 - 3. PROVIDE SLIDE CLIPS AT CONNECTIONS WHERE WALLS EXTEND PAST EDGE OF FLOORS OR ROOF AS SHOWN ON THE DRAWINGS. SUBMIT DETAILS INCLUDING MANUFACTURER'S PRODUCT LITERATURE TO THE CONTRACTING OFFICER FOR REVIEW.
 - g. LOAD BEARING FRAMING:
 - 1. WALL STUDS SHALL BE INSTALLED WITH ENDS POSITIONED TIGHTLY AGAINST TRACK WALLS BEFORE FASTENING TO TRACK FLANGES.
 - 2. REFER TO HEADER SCHEDULE FOR HEADERS OVER OPENINGS NOT SHOWN ON DRAWINGS.
 - h. JOIST FRAMING:
 - 1. LOCATE JOISTS DIRECTLY OVER BEARING STUDS OR PROVIDE LOAD DISTRIBUTION MEMBER AT TOP OF BEARING WALL.
 - 2. PROVIDE WEB STIFFENERS AT BEARING POINTS WHERE JOISTS ARE CONTINUOUS OVER BEARING AND ELSEWHERE AS REQUIRED.
 - 3. PROVIDE BLOCKING BETWEEN JOISTS AT BEARING POINTS IF JOISTS ARE NOT OTHERWISE RESTRAINED AGAINST ROTATION.
 - 4. PROVIDE JOIST BRIDGING PER AISI REQUIREMENTS.
 - 5. PROVIDE ONE ADDITIONAL JOIST UNDER PARTITION WALLS ORIENTED PARALLEL WITH JOISTS. LOCATE JOIST TO AVOID PENETRATION FROM VERTICAL PLUMBING AND CONDUIT WITHIN WALL THICKNESS.
 - 6. PROVIDE ADDITIONAL JOISTS EACH SIDE OF FLOOR AND ROOF OPENINGS THAT INTERRUPT ONE OR MORE JOISTS. NUMBER OF ADDITIONAL JOISTS EACH SIDE OF OPENING SHALL BE EQUAL TO HALF THE NUMBER OF INTERRUPTED JOISTS.

1. **PRECEDENCE:**
 - A. STRUCTURAL FRAMING COMPONENTS, INCLUDING BUT NOT LIMITED TO STEEL FRAMING, CONCRETE FRAMING, REINFORCING, POST-TENSIONING CABLES AND EMBEDMENT SHALL TAKE PRECEDENCE OVER MECHANICAL, PLUMBING AND ELECTRICAL (MEP) ITEMS.
STRUCTURAL FRAMING COMPONENTS SHALL NOT BE MOVED, ADJUSTED OR OTHERWISE MODIFIED FROM THE STRUCTURAL DRAWINGS TO ACCOMMODATE OTHER DISCIPLINES WITHOUT APPROVAL FROM THE CONTRACTING OFFICER.
2. **COORDINATION:**
 - A. THE GENERAL CONTRACTOR, MECHANICAL AND ELECTRICAL SUBCONTRACTORS SHALL VERIFY PURCHASED EQUIPMENT AND REQUIRED OPENINGS THROUGH FLOORS, ROOF AND WALLS ARE IN AGREEMENT WITH THE DESIGN INFORMATION SHOWN ON THE DRAWINGS.
 - B. DIFFERENCES OR CONFLICTS BETWEEN THE DRAWINGS AND MECHANICAL AND ELECTRICAL REQUIREMENTS SHALL BE REPORTED TO THE CONTRACTING OFFICER BEFORE PROCEEDING WITH THE WORK.
 - C. PENETRATIONS: THE GENERAL CONTRACTOR SHALL SUBMIT COORDINATED AND DIMENSIONED DRAWINGS SHOWING ALL MECHANICAL, PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE FLOOR AND ROOF SLABS FOR REVIEW AND APPROVAL AT LEAST THREE WEEKS PRIOR TO STARTING THE WORK.
3. **EQUIPMENT:**
 - A. THE ROOF IS NOT DESIGNED TO SUPPORT MECHANICAL EQUIPMENT. NO EQUIPMENT SHALL BE SUPPORTED OFF THE ROOF WITHOUT PRIOR APPROVAL FROM THE CONTRACTING OFFICER.
4. **SUPPORT OF PIPING, CONDUITS & DUCTWORK:**
 - A. SUPPORT OF MINOR MECHANICAL, PLUMBING AND ELECTRICAL ITEMS SUSPENDED FROM THE ROOF STRUCTURE IS PERMITTED AND IS THE RESPONSIBILITY OF THE CONTRACTOR INCLUDING THE DETERMINATION OF THE NUMBER AND POSITION OF FASTENERS. SUPPORT LOADS GREATER THAN 100 LBS REQUIRES APPROVAL FROM THE CONTRACTING OFFICER.



**DYESS
Air Force
Base
TEXAS**

[illegible]

Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

SHEET TITLE

GENERAL NOTES

SHEET

S0.1

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER	165001
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DRAWING NUMBER	FACILITY NUMBER
12-0053-S01.dwg	8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

033

033

STATEMENT OF SPECIAL INSPECTIONS		
THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE (IBC SECTION 1704).		
SPECIAL INSPECTIONS AND TESTS APPLICABLE TO THIS PROJECT:		
<u>SPECIAL INSPECTION</u>	<u>REQUIRED/NOT REQUIRED</u>	<u>EXTENT & FREQUENCY</u>
STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2.1)	REQUIRED	SEE AISC360-10 CHAPTER N
COLD FORMED STEEL DECKS (IBC 1705.2.2)	NOT REQUIRED	-
OPEN-WEB JOISTS (IBC 1705.2.3)	NOT REQUIRED	-
COLD FORMED STEEL TRUSSES (IBC 1705.2.4)	NOT REQUIRED	-
CONCRETE CONSTRUCTION (IBC 1705.3)	NOT REQUIRED	-
MASONRY CONSTRUCTION (IBC 1705.4)	REQUIRED	SEE TMS402-13/ACI 530-13/ASCE 5&6-13
EMPIRICAL RC IV MASONRY CONSTRUCTION (IBC 1705.4.1)	NOT REQUIRED	-
VERTICAL FOUNDATION MASONRY CONSTRUCTION (IBC 1705.4.2)	NOT REQUIRED	-
WOOD CONSTRUCTION (IBC 1705.5)	NOT REQUIRED	-
SOILS (IBC 1705.6)	REQUIRED	SEE TABLE 1705.6
DRIVEN DEEP FOUNDATIONS (IBC 1705.7)	NOT REQUIRED	-
CAST IN PLACE DEEP FOUNDATIONS (IBC 1705.8)	NOT REQUIRED	-
HELICAL PILE FOUNDATIONS (IBC 1705.9)	NOT REQUIRED	-
FABRICATED ITEMS (IBC 1705.10)	NOT REQUIRED	-
WIND RESISTANCE (IBC 1705.11)	NOT REQUIRED	-
SEISMIC RESISTANCE (IBC 1705.12)	NOT REQUIRED	-
<u>TYPE OF TESTING</u>	<u>REQUIRED/NOT REQUIRED</u>	<u>EXTENT & FREQUENCY</u>
SEISMIC RESISTANCE (IBC 1705.13)	NOT REQUIRED	-

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X
2. Verify excavations are extended to proper depth and have reached proper material.	—	X
3. Perform classification and testing of compacted fill materials.	—	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	—	X

All special inspections will be performed by government inspectors. Contractor shall notify the Contracting Officer's representative at least 12 hours prior to any of the above required inspection times.

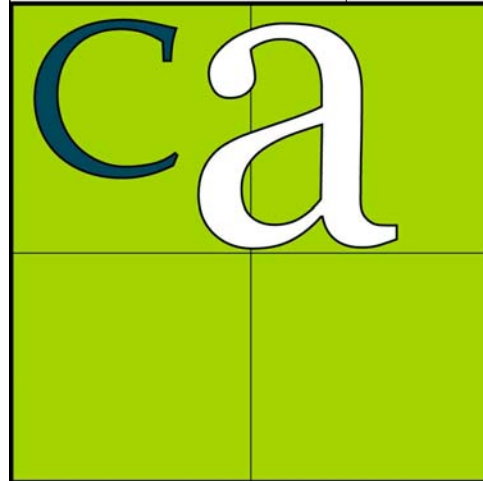
Contractor provided density testing covered in 31 23 00.00 20 shall be witnessed by Contracting Officer's representative. Provide same notification as above.

±	PLUS/MINUS
Ø	DIAMETER
A	
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADJ	ADJACENT
AGGR	AGGREGATE
AHR	ANCHOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT OR ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
B	
BD	BAR DIAMETER
BET.	BETWEEN
BLDG	BUILDING
BLK	BLOCK, BLOCKING
BM	BEAM
BOTT, B	BOTTOM
BP	BASE PLATE, BEARING PLATE
BRG	BEARING
BRK	BRICK
BTW	BETWEEN
BW	BOTH WAYS
C	
CANT	CANTILEVER
CEM	CEMENT
CFMF	COLD FORMED METAL FRAMING
CJP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT OR CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
D	
D	DEEP OR DEPTH
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DLD	DEAD LOAD
DWG	DRAWING
DWL	DOWEL
E	
E	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EO	EDGE OF
EQL	EQUAL
EQPT	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXPN	EXPANSION
EXT	EXTERIOR
F	
FLG	FLANGE
FND	FOUNDATION
FOB	FACE OF BRICK
G	
GALV	GALVANIZE, GALVANIZED
I	
IN.	INCH
INTMD	INTERMEDIATE

J	
JS	JOINT SUBSTITUTE
JST	JOIST
JT	JOINT
K	
K	KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSG	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
M	
MAS	MASONRY
MATL	MATERIAL
MATL	MATRIAL
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOS	MIDDLE OF SLAB
N	
NA	NOT APPLICABLE
NTS	NOT TO SCALE
O	
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
P	
PCP	PRECAST CONCRETE PANEL
PCSP	PRECAST CONCRETE SANDWICH PANEL
PF	POUROUS FILL
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLUMB	PLUMBING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	
R	RADIUS
REF	REFERENCE
REINF	REINFORCED OR REINFORCING
REQD	REQUIRED
REV	REVISION
S	
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOINT INSTITUTE
SOG	SLAB ON GRADE
SPA	SPACE
STD	STANDARD
STIF	STIFFNER
STL	STEEL
STRL	STRUCTURAL
T	
T	TOP
T & B	TOP AND BOTTOM
THK	THICK
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TRANSV	TRANSVERSE
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
VB	VAPOR BARRIER
VR	VAPOR RETARDED
W	
w/	WITH
w/o	WITHOUT
WHS	WELDED HEAD STUD
WWF	WELDED WIRE FABRIC (WELDED WIRE REINFORCEMENT)



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TEXAS**

[illegible]

Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

SHEET TITLE

SPECIAL INSPECTIONS

SHEET

S0.2

PROJECT TITLE

**REPAIR
TENANCE SHOP
ILDING 8040**

PROJECT NUMBER

165001

DRAWING NUMBER	FACILITY NUMBER
12-0053-S02.dwg	8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

034

034



c	a

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

TYPICAL DETAILS

PROJECT TITLE	REPAIR MAINTENANCE SHOP BUILDING 8040
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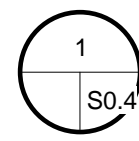
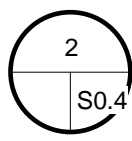
DRAWING NUMBER	FACILITY NUMBER
12-0053-S03.dwg	8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

035


$$\frac{3}{4}'' = 1'-0''$$

$$1'' = 1' - 0''$$


c	a

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

TYPICAL DETAILS

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

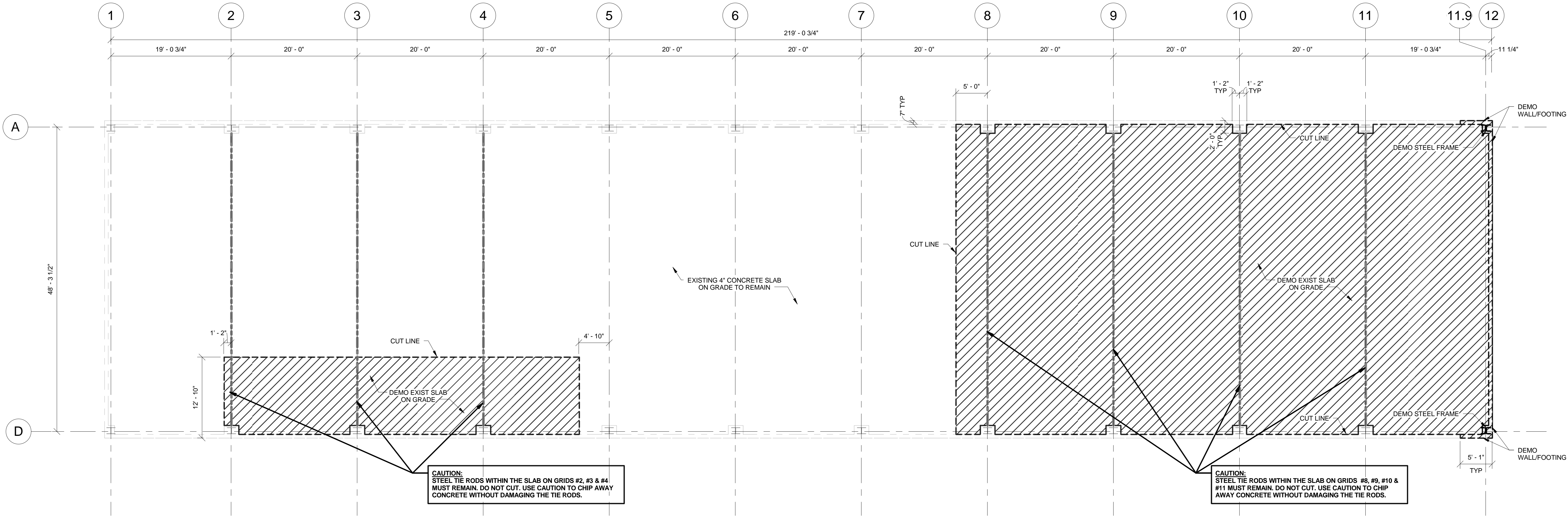
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165001	
DRAWING NUMBER	FACILITY NUMBER
12-0053-S04.dwg	8040



Prepared for:
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710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

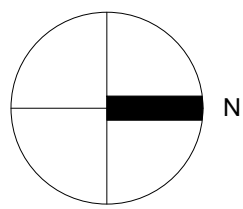
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1
S1.0

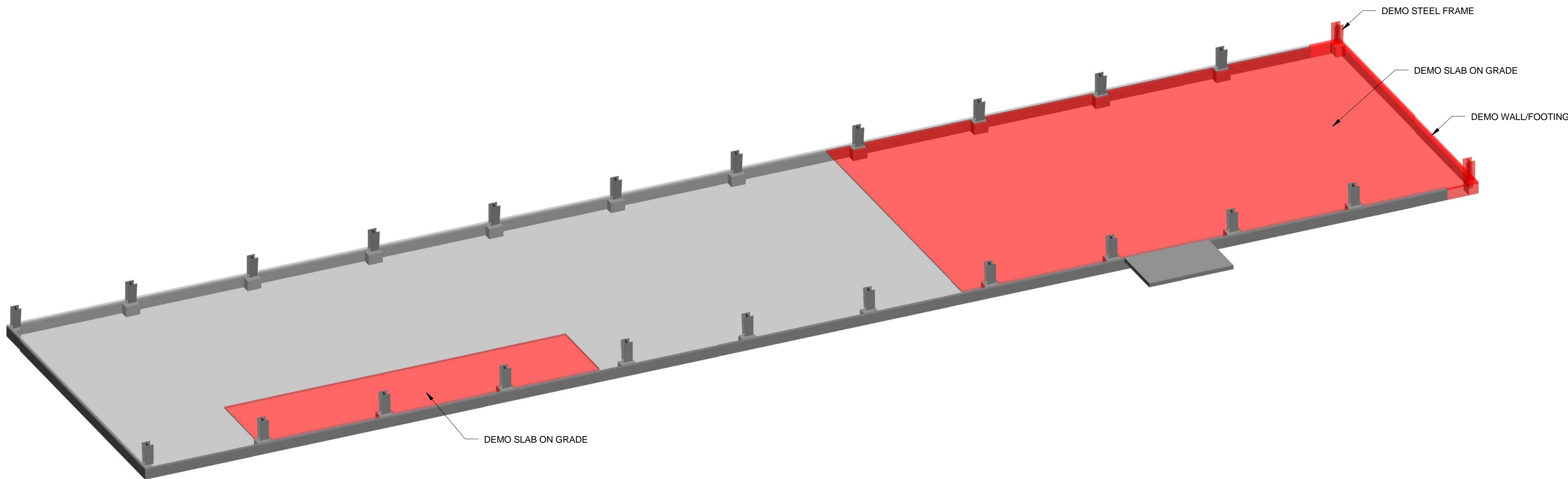
DEMOLITION PLAN

1/8" = 1'-0"



NOTES:

1. RE: ARCH DWGS FOR ADDITIONAL DEMOLITION INSTRUCTION.
2. THE DEMOLITION PLANS ARE DERIVED FROM EXISTING BUILDING PLANS AND ARE INTENDED TO REASONABLY REPRESENT EXISTING CONDITIONS. ILLUSTRATIONS, DIMENSIONS AND INFORMATION IN THESE DRAWINGS ARE BASED, IN PART, ON EXISTING DRAWINGS 106-1 AND 106-3 BY CONSOLIDATED AMERICAN SERVICES, INC. EXISTING DRAWINGS WERE FURNISHED BY THE OWNER. ACTUAL CONDITIONS MAY DEViate FROM THAT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS AND COORDINATE THE DEMOLITION WITH NEW WORK.
3. REMOVE FROM SITE AS SOON AS PRACTICAL DEMOLISHED MATERIALS, DEBRIS, AND RUBBISH. DO NOT ACCUMULATE DEBRIS AT THE SITE.
4. ALL STEEL MOMENT FRAMES ARE TO REMAIN IN PLACE EXCEPT THE FRAME ALONG GRIDLINE #12.
5. **TEMPORALLY SHORE THE EXISTING FRAMES PRIOR TO REMOVAL OF SUPPORTING BUILDING COMPONENTS.**
6. PER IAW EXECUTIVE ORDER (EO) 13693, SECTION 3(J)(III), CONSTRUCTION CONTRACTOR MUST ATTEMPT TO DIVERT 50% OF NON-HAZARDOUS AND DEMOLITION MATERIALS AND DEBRIS FROM THE LANDFILL.



2
S1.0

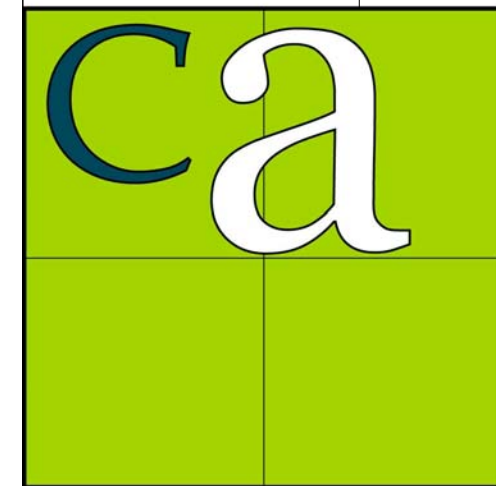
DEMOLITION PLAN - ISO VIEW



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COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer JLD Project Manager JTD
Drafter JLD Date 21 Nov 2016

REVISION	BY/DATE

SHEET TITLE
DEMOLITION
PLAN

SHEET S1.0

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER 165001

DRAWING NUMBER 12-0053-S10.dwg FACILITY NUMBER 8040



Prepared for:
7th CES/CENM
710 THIRD ST.
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

037



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COORDINATION

Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer JLD Project Manager JTD
Drafter JLD Date 21 Nov 2016

REVISION	BY/DATE

SHEET TITLE
OVERALL
FOUNDATION
PLAN

SHEET S2.0

PROJECT TITLE
REPAIR
MAINTENANCE SHOP
BUILDING 8040

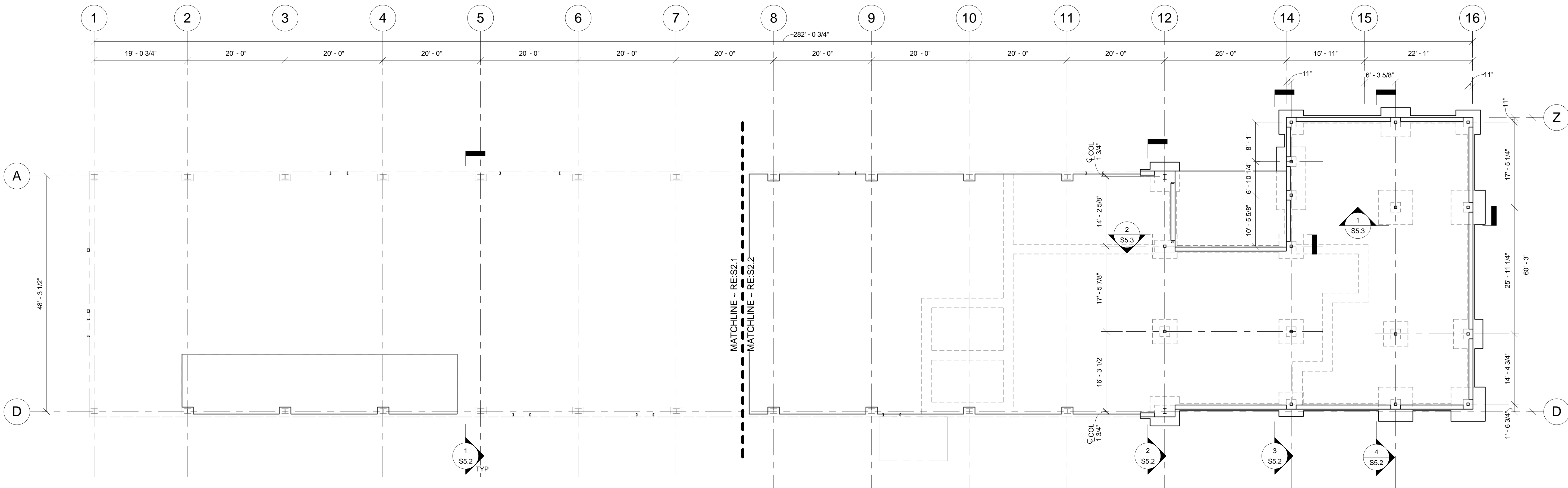
PROJECT NUMBER
165001

DRAWING NUMBER FACILITY NUMBER
12-0053-S20.dwg 8040

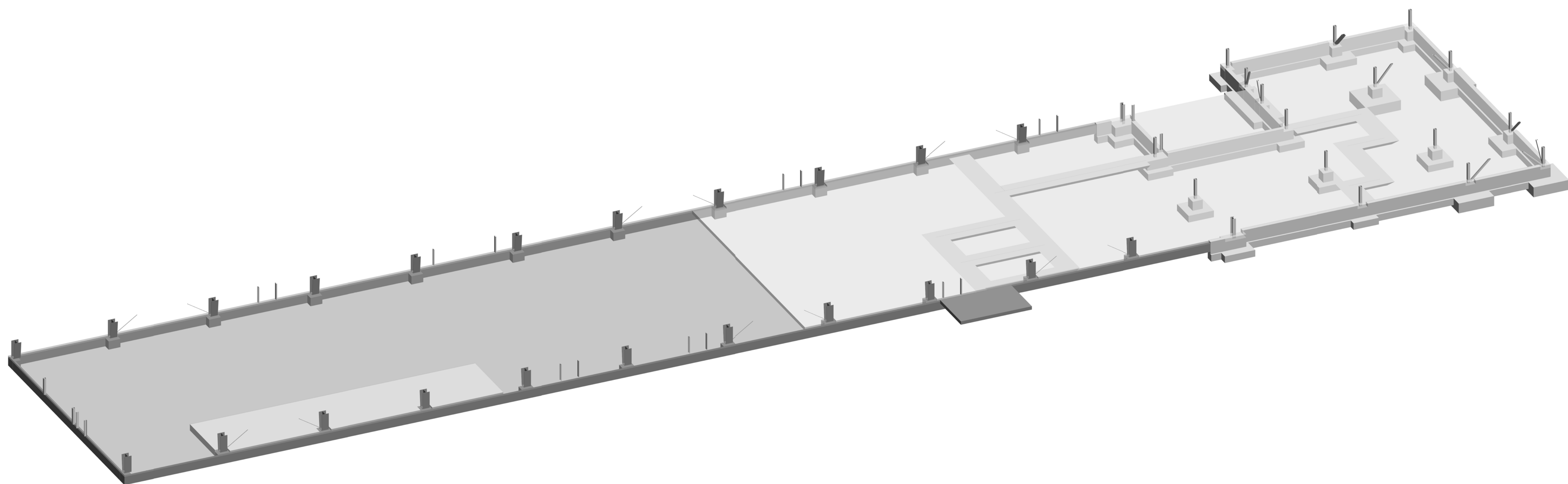
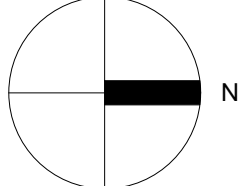


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710 THIRD ST.
DYESS AFB, TX 79607

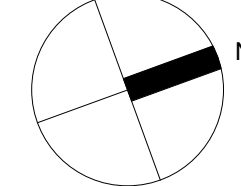
SEQUENCE NUMBER
038



1 OVERALL FOUNDATION PLAN
3/32" = 1'-0"



2 FOUNDATION PLAN - ISO VIEW





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981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

SHEET TITLE

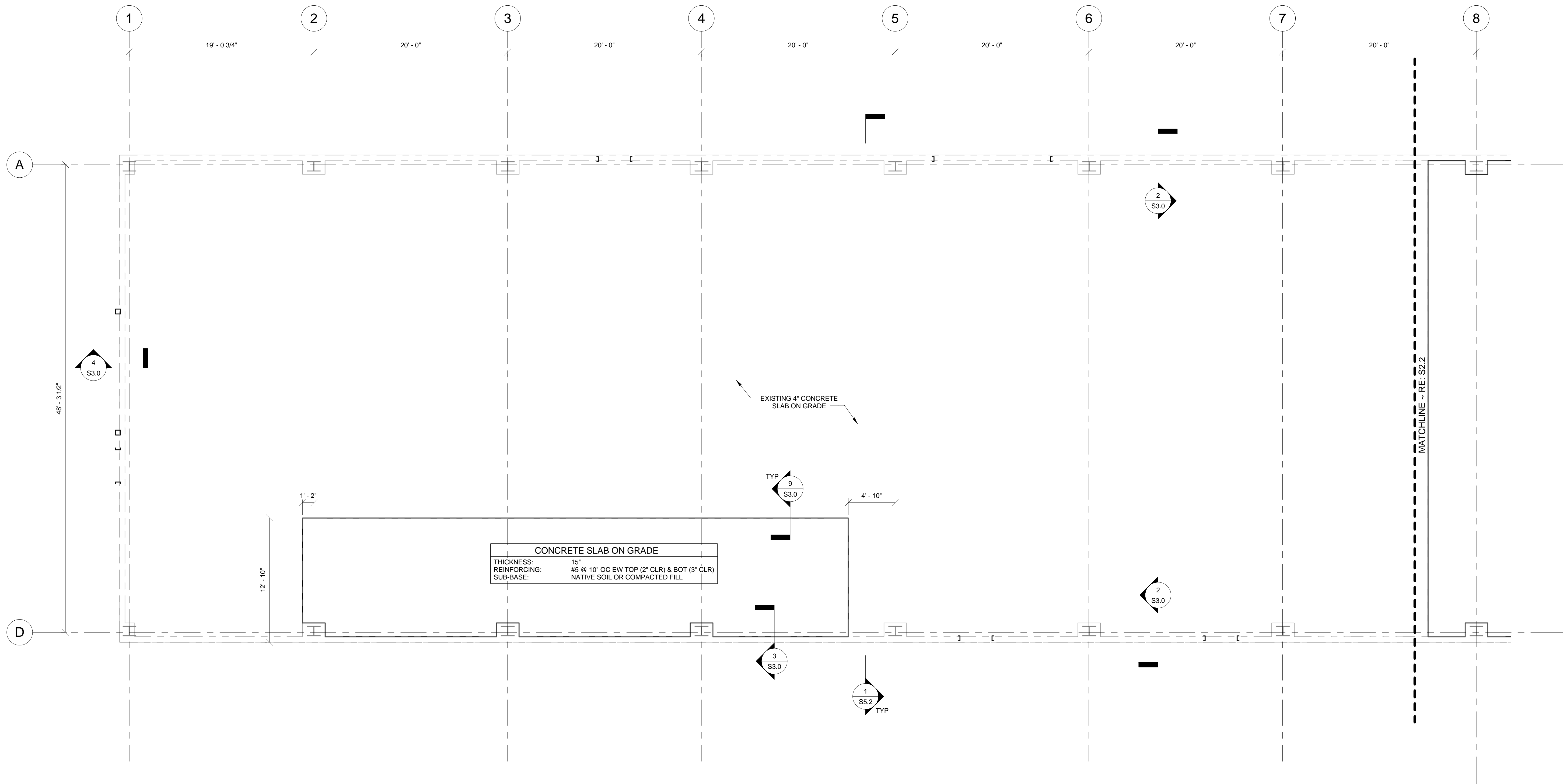
PARTIAL
FOUNDATION
PLAN

SHEET S2.1

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER
165001


DRAWING NUMBER	FACILITY NUMBER
12-0053-S21.dwg	8040



PARTIAL FOUNDATION PLAN

3/16" = 1'-0"

NOTES:

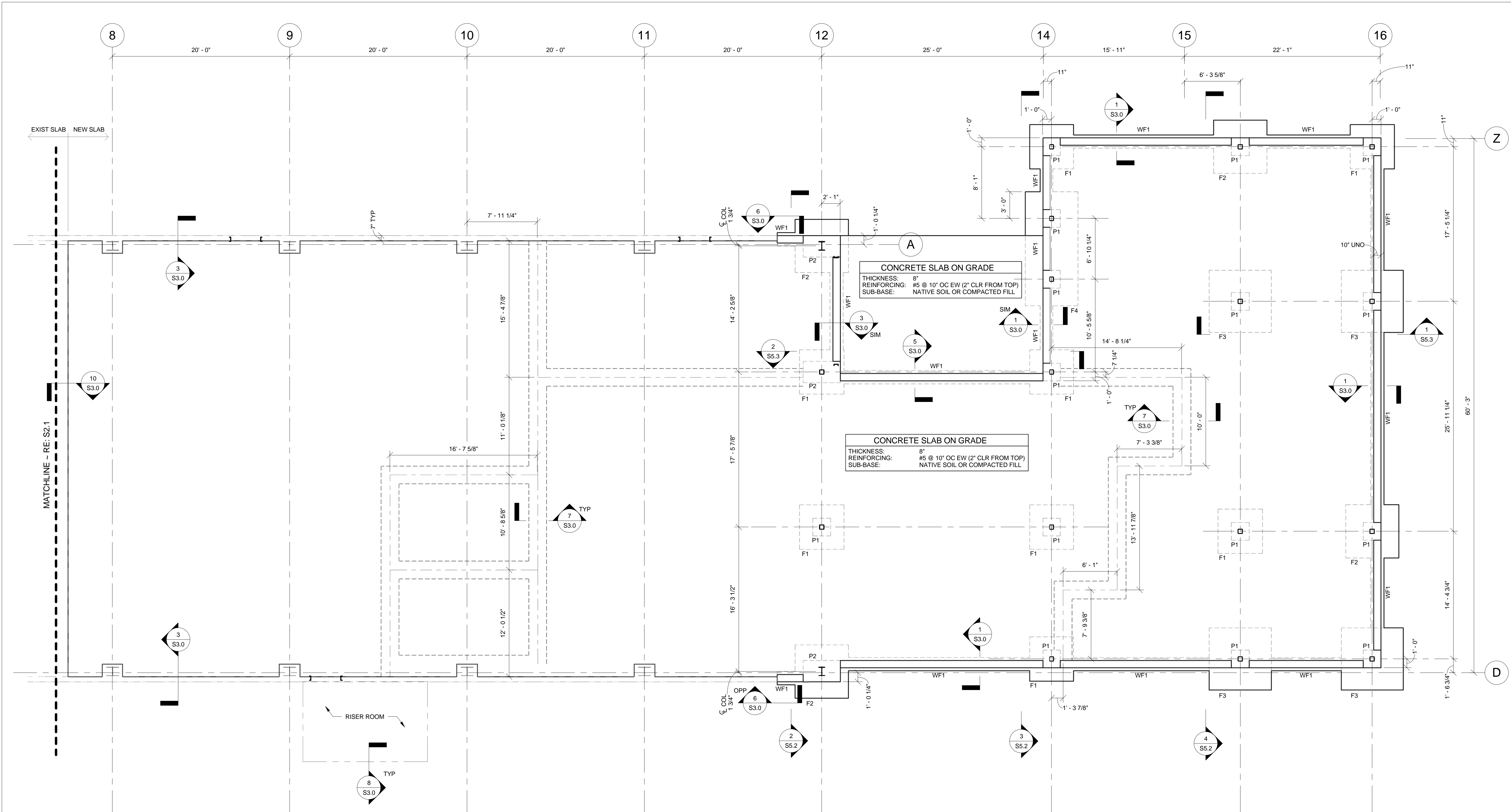
1. SEE SHEET S0.0 & S0.1 FOR GENERAL NOTES.
2. SEE SHEET S0.2 FOR ABBREVIATIONS AND SYMBOLS.
3. SEE SHEET S0.3 AND S0.4 FOR TYPICAL DETAILS.
4. TOP OF FINISH FLOOR ELEVATION IS 0'-0" UNLESS NOTED THIS:  XX'-X" ON PLAN.
5. PROVIDE SLAB CONTROL OR CONSTRUCTION JOINTS IN SLAB AT NO MORE THAN 12'-0" OC EACH WAY.



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DYESS AFB, TX 79607

SEQUENCE NUMBER

039



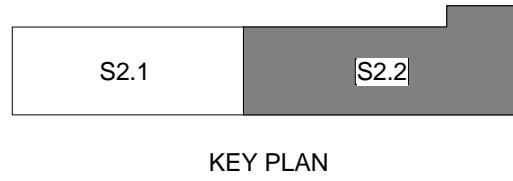
PAD FOOTING SCHEDULE				
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING
F1	5' - 0"	5' - 0"	1' - 4"	(6) - #6 EACH WAY, TOP & BOT
F2	6' - 0"	6' - 0"	1' - 4"	(7) - #6 EACH WAY, TOP & BOT
F3	7' - 0"	7' - 0"	2' - 0"	(8) - #6 EACH WAY, TOP & BOT
F4	12' - 10 1/4"	6' - 0"	1' - 4"	(7) - #6 E/W & (14) - #6 N/S, TOP & BOT

WALL FOOTING SCHEDULE			
MARK	WIDTH	THICKNESS	REINFORCEMENT
WF1	1' - 6"	1' - 4"	(4) - #5 CONT, TOP & BOT

PIER & BASE PLATE SCHEDULE			
MARK	TYPE	VERTICAL REINFORCING (NOTE 13)	BASE PLATE
P1	2'-0" x 2'-0"	(8) - #6 (3 EA FACE)	18" x 18" x 3/4"
P2	4'-2" x 2'-5"	(18) - #6 (4 SHORT FACE & 7 LG FACE)	18" x 18" x 3/4"

PARTIAL FOUNDATION PLAN

- NOTES:
- SEE SHEET S0.0 & S0.1 FOR GENERAL NOTES.
 - SEE SHEET S0.2 FOR ABBREVIATIONS AND SYMBOLS.
 - SEE SHEET S0.3 AND S0.4 FOR TYPICAL DETAILS.
 - TOP OF FINISH FLOOR ELEVATION IS 0'-0" UNLESS NOTED THUS: XX'-X" ON PLAN.
 - PROVIDE SLAB CONTROL JOINTS IN SLAB AT NO MORE THAN 12'-0" OC EACH WAY.
 - FX" INDICATES PAD FOOTING TYPE, RE: PAD FOOTING SCHEDULE FOR SIZE AND REINFORCING.
 - WFX" INDICATES WALL FOOTING TYPE, RE: WALL FOOTING SCHEDULE FOR SIZE AND REINFORCING.
 - PX" INDICATES PIER TYPE, RE: PIER SCHEDULE FOR SIZE AND REINFORCING.
 - TOP OF PAD & WALL FOOTING = (-)0'-8" UNO.
 - TOP OF PIER = (-)0'-8" UNO.
 - TOP OF SLAB = 0'-0" UNO.
 - TOP OF EXTERIOR WALL/SLAB = 0'-0" UNO.
 - SPACE PIER VERTICAL REINFORCEMENT EVENLY ON EACH FACE.



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710 THIRD ST.
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

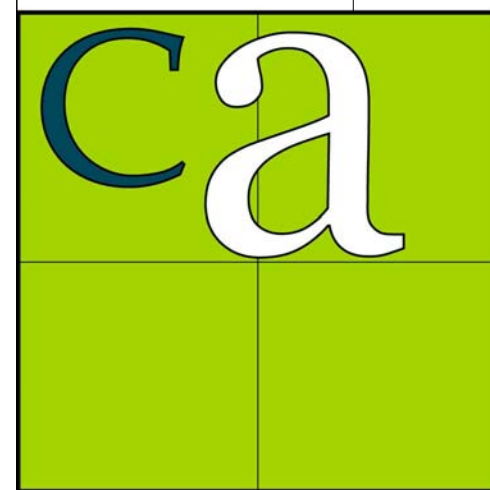
040



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COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer
JLD
Drafter
JLD
Project Manager
JTD
Date
21 Nov 2016

REVISION BY/DATE

SHEET TITLE

PARTIAL
FOUNDATION
PLAN

SHEET

S2.2

PROJECT TITLE

REPAIR
MAINTENANCE SHOP
BUILDING 8040

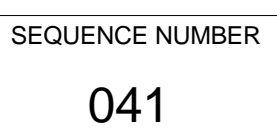
PROJECT NUMBER

165001

DRAWING NUMBER FACILITY NUMBER

12-0053-S22.dwg

8040





KEY PLAN



SEQUENCE NUMBER

043



DRAWING NUMBER	FACILITY NUMBER
12-0053-S41.dwg	8040



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COORDINATION

COORDINATION



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981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer JLD Project Manager JTD
Drafter JLD Date 21 Nov 2016

REVISION	BY/DATE

SHEET TITLE
**PARTIAL
FRAMING
PLAN**

SHEET
S4.2

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER
165001

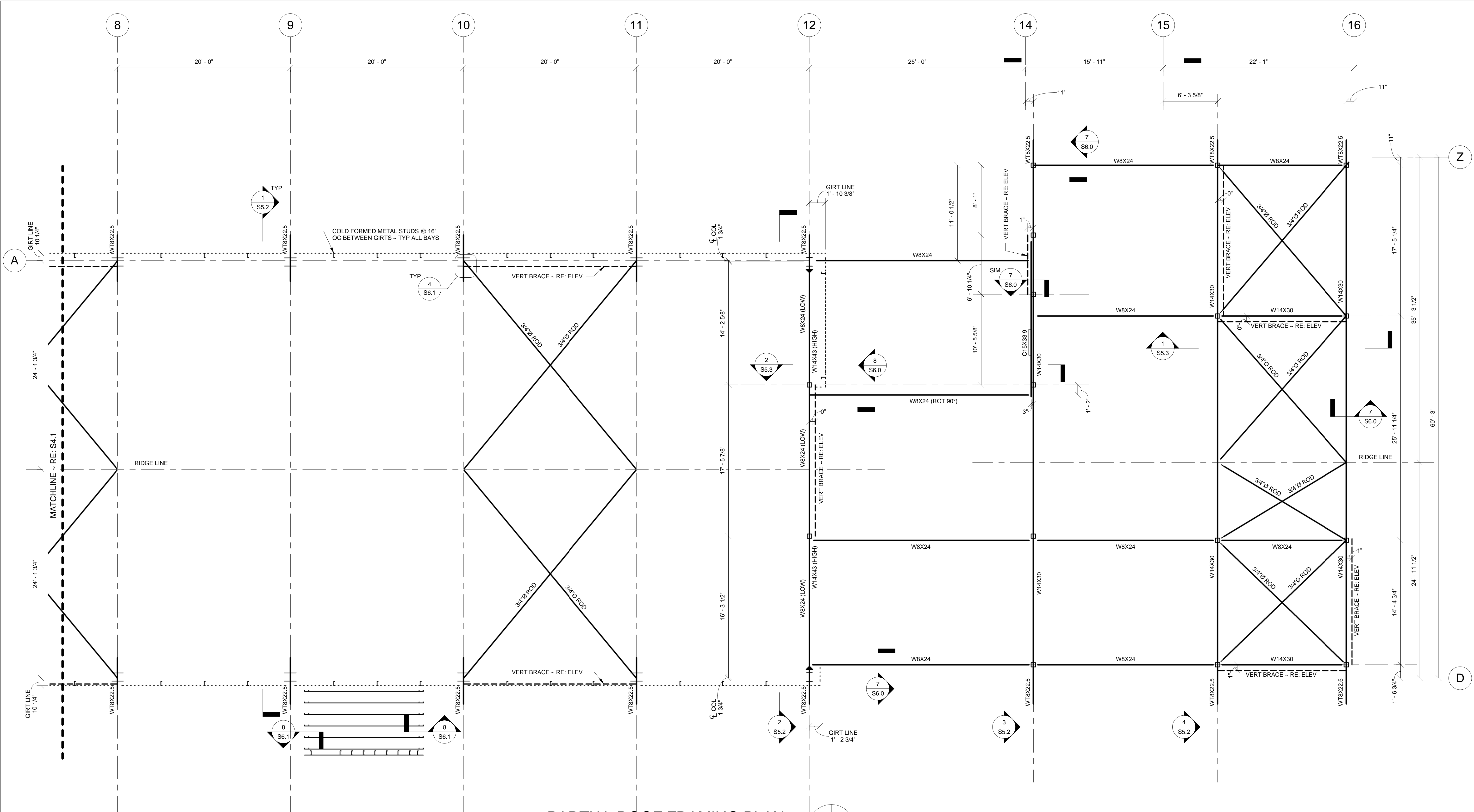
DRAWING NUMBER 12-0053-S42.dwg FACILITY NUMBER 8040



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7th CES/CENM
710 THIRD ST.
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

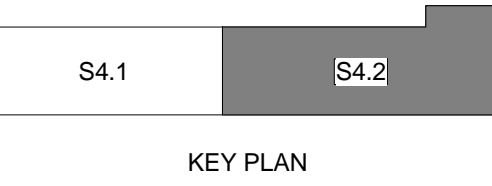
SEQUENCE NUMBER

044



PARTIAL ROOF FRAMING PLAN
3/16" = 1'-0"
N

- NOTES:
1. SEE SHEET S0.0 & S0.1 FOR GENERAL NOTES.
2. SEE SHEET S0.2 FOR ABBREVIATIONS AND SYMBOLS.
3. SEE SHEET S0.3 AND S0.4 FOR TYPICAL DETAILS.
4. RE: ELEVATIONS & SECTIONS FOR TOP OF STEEL ELEVATION.
5. RE: GENERAL NOTES AND SPECIFICATIONS FOR CONNECTION DESIGN REQUIREMENTS.
6. INDICATES MOMENT CONNECTION.
7. ROOF FRAMING NOT SHOWN FOR CLARITY. RE: S4.0.

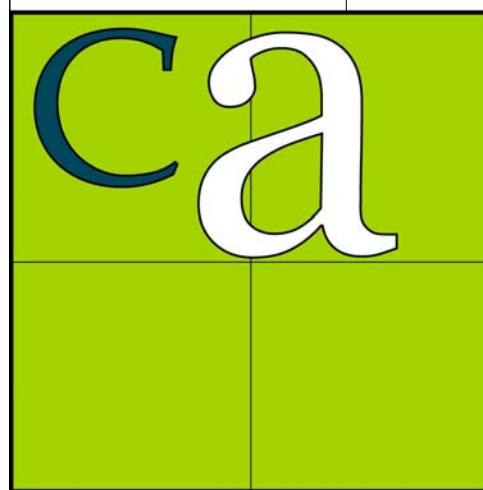




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COORDINATION



Castillo Architects
981 Southpark Dr.
Littleton, Colorado
[303] 698.1717

Designer JLD
Project Manager JTD
Drafter JLD
Date 21 Nov 2016

REVISION BY/DATE

SHEET TITLE
SECTIONS
&
ELEVATIONS

SHEET S5.0

PROJECT TITLE
REPAIR
MAINTENANCE SHOP
BUILDING 8040

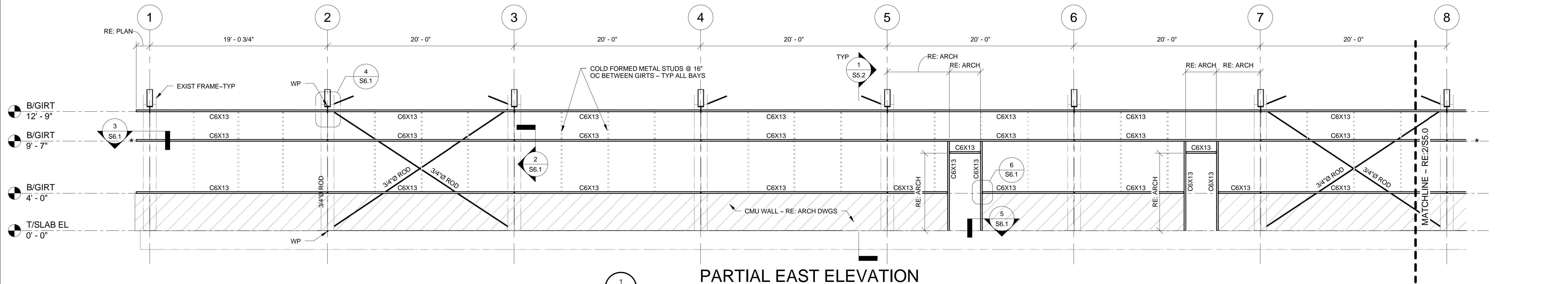
PROJECT NUMBER 165001

DRAWING NUMBER 12-0053-S50.dwg FACILITY NUMBER 8040

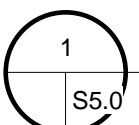
Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER

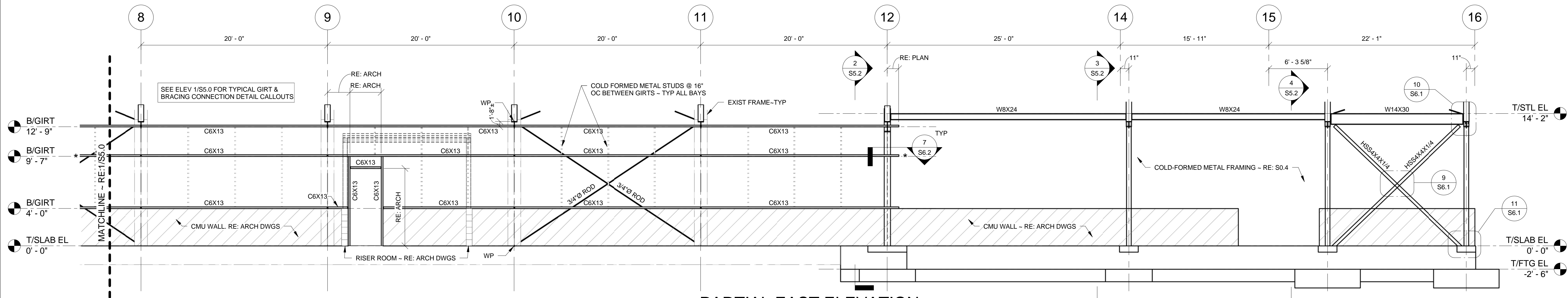
045



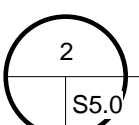
PARTIAL EAST ELEVATION



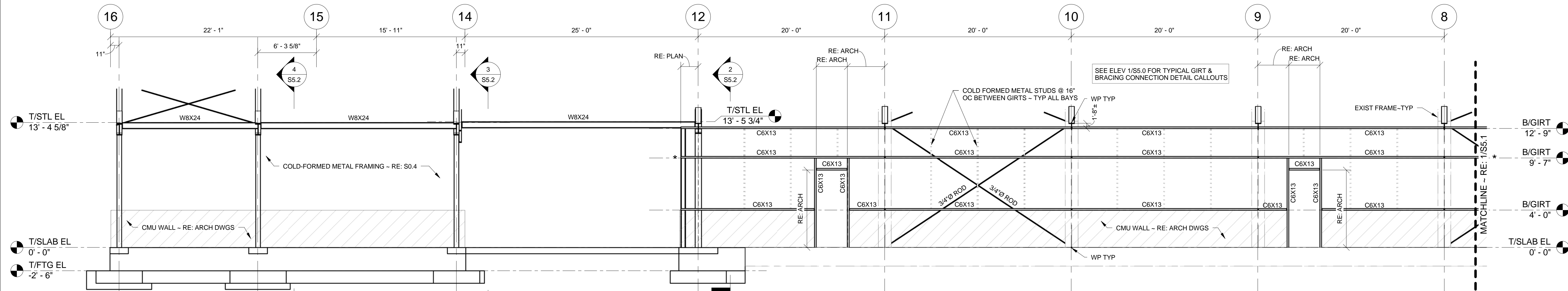
NOTE:
1. PROVIDE COLUMN FLANGE BRACES AT EVERY GIRT LINE MARKED AS SUCH "★". TYP ALL BAYS. RE: DET 1/S6.1.
2. ALL CHANNEL GIRTS ARE LEG UP.
3. USE STANDARD CLIP ANGLES OR TRACKS FOR ALL STUD TO GIRT ATTACHMENTS. DO NOT USE DEFLECTION TRACKS.
BLOCK UNDER TRACK FOR LEG UP CONDITION.



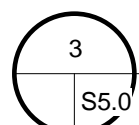
PARTIAL EAST ELEVATION



NOTE:
1. PROVIDE COLUMN FLANGE BRACES AT EVERY GIRT LINE MARKED AS SUCH "★". TYP ALL BAYS. RE: DET 1/S6.1.
2. ALL CHANNEL GIRTS ARE LEG UP.
3. USE STANDARD CLIP ANGLES OR TRACKS FOR ALL STUD TO GIRT ATTACHMENTS. DO NOT USE DEFLECTION TRACKS.
BLOCK UNDER TRACK FOR LEG UP CONDITION.



PARTIAL WEST ELEVATION



NOTE:
1. PROVIDE COLUMN FLANGE BRACES AT EVERY GIRT LINE MARKED AS SUCH "★". TYP ALL BAYS. RE: DET 1/S6.1.
2. ALL CHANNEL GIRTS ARE LEG UP.
3. USE STANDARD CLIP ANGLES OR TRACKS FOR ALL STUD TO GIRT ATTACHMENTS. DO NOT USE DEFLECTION TRACKS.
BLOCK UNDER TRACK FOR LEG UP CONDITION.



Designer	Project Manager
ILD	JTD
Drafter	Date
ILD	21 Nov 2016

[illegible]

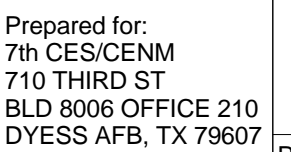
SHEET TITLE

SECTIONS
&
ELEVATIONS

PROJECT TITLE	REPAIR MAINTENANCE SHOP BUILDING 8040
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PROJECT NUMBER
165001

DRAWING NUMBER	FACILITY NUMBER
12-0053-S53.dwg	8040



SEQUENCE NUMBER

048



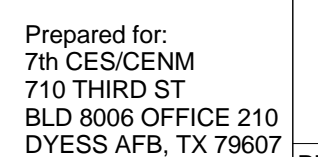
Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

[illegible]

FRAMING DETAILS

PROJECT TITLE
**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

DRAWING NUMBER	FACILITY NUMBER
12-0053-S60.dwg	8040



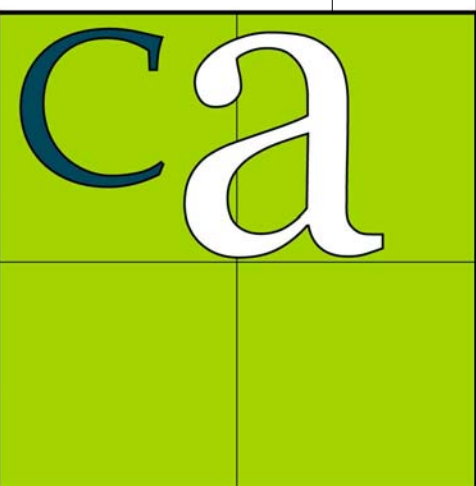
SEQUENCE NUMBER	
049	D



APPROVED

SIGNATURE	OFFICE

COORDINATION



Designer	Project Manager
JLD	JTD
Drafter	Date
JLD	21 Nov 2016

REVISION BY/DATE

SHEET TITLE

FRAMING DETAILS

SHEET

S6.1

PROJECT TITLE

**REPAIR
MAINTENANCE SHOP
BUILDING 8040**

PROJECT NUMBER

DRAWING NUMBER	FACILITY NUMBER
12-0053-S61.dwg	8040



Prepared for:
7th CES/CENM
710 THIRD ST
BLD 8006 OFFICE 210
DYESS AFB, TX 79607

SEQUENCE NUMBER	DESCRIPTION	AMOUNT	CHECK NUMBER	CHECK DATE	DEPOSIT DATE	DEPOSIT AMOUNT	BALANCE
1	Initial deposit	1000.00				1000.00	1000.00
2	Check #101	50.00	101	01/02/2023			950.00
3	Check #102	75.00	102	01/05/2023			875.00
4	Check #103	120.00	103	01/10/2023			755.00
5	Check #104	30.00	104	01/15/2023			725.00
6	Check #105	45.00	105	01/20/2023			680.00
7	Check #106	60.00	106	01/25/2023			620.00
8	Check #107	80.00	107	02/01/2023			540.00
9	Check #108	90.00	108	02/05/2023			450.00
10	Check #109	110.00	109	02/10/2023			340.00
11	Check #110	130.00	110	02/15/2023			210.00
12	Check #111	150.00	111	02/20/2023			60.00
13	Check #112	170.00	112	02/25/2023			(110.00)
14	Check #113	190.00	113	03/01/2023			(300.00)
15	Check #114	210.00	114	03/05/2023			(510.00)
16	Check #115	230.00	115	03/10/2023			(740.00)
17	Check #116	250.00	116	03/15/2023			(990.00)
18	Check #117	270.00	117	03/20/2023			(1260.00)
19	Check #118	290.00	118	03/25/2023			(1550.00)
20	Check #119	310.00	119	04/01/2023			(1860.00)
21	Check #120	330.00	120	04/05/2023			(2190.00)
22	Check #121	350.00	121	04/10/2023			(2540.00)
23	Check #122	370.00	122	04/15/2023			(2910.00)
24	Check #123	390.00	123	04/20/2023			(3300.00)
25	Check #124	410.00	124	04/25/2023			(3710.00)
26	Check #125	430.00	125	05/01/2023			(4140.00)
27	Check #126	450.00	126	05/05/2023			(4590.00)
28	Check #127	470.00	127	05/10/2023			(5060.00)
29	Check #128	490.00	128	05/15/2023			(5550.00)
30	Check #129	510.00	129	05/20/2023			(6060.00)
31	Check #130	530.00	130	05/25/2023			(6590.00)
32	Check #131	550.00	131	06/01/2023			(7140.00)
33	Check #132	570.00	132	06/05/2023			(7710.00)
34	Check #133	590.00	133	06/10/2023			(8300.00)
35	Check #134	610.00	134	06/15/2023			(8910.00)
36	Check #135	630.00	135	06/20/2023			(9540.00)
37	Check #136	650.00	136	06/25/2023			(10190.00)
38	Check #137	670.00	137	07/01/2023			(10860.00)
39	Check #138	690.00	138	07/05/2023			(11550.00)
40	Check #139	710.00	139	07/10/2023			(12260.00)
41	Check #140	730.00	140	07/15/2023			(12990.00)
42	Check #141	750.00	141	07/20/2023			(13740.00)
43	Check #142	770.00	142	07/25/2023			(14510.00)
44	Check #143	790.00	143	08/01/2023			(15300.00)
45	Check #144	810.00	144	08/05/2023			(16110.00)
46	Check #145	830.00	145	08/10/2023			(16940.00)
47	Check #146	850.00	146	08/15/2023			(17790.00)

050