WASHINGTON COUNTY LIBRARY EXPANSION

1444 West Jacknsonville ave, Chipley, FL 32428

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THE WASHINGTON COUNTY LIBRARY IS AN UNSPRINKLERED SINGLE STORY MASONRY BUILDING WITH STANDING SEAM METAL ROOFING.
THE PROJECT CONSISTS OF THE ADDITION OF THREE SINGLE STORY UNSPRINKLERED ADDITIONS TO THE EXISTING LIBRARY. THE EAST ADDITION IS TO EXPAND THE LIBRARY TO ADD ADDITIONAL STACK SPACE FOR THE CHILDREN AREA AND INCLUDES OFFICE SPACE, RESTROOM, STORAGE AND MECHANICAL SPACE. THE WEST ADDITION PROVIDES AN AREA FOR MEETINGS AND INCLUDES RESTROOMS, A SMALL WARMING KITCHEN, STORAGE, AND MECHANICAL SPACE. THE NORTH ADDITION IS TO EXPAND THE EXISTING LIBRARY OFFICES, STORAGE, AND BREAKROOM.

(ALSO SEE LS SHEETS)
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FLORIDA BUILDING CODE, BUILDING (FBC-B) EIGHTH EDITION (2023)
FLORIDA FIRE PREVENTION CODE (FFPC) - NFPA 1 & 101, EIGHTH EDITION (2023)
FLORIDA BUILDING CODE, MECHANICAL (FBC-M) EIGHTH EDITION (2023)
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NATIONAL ELECTRICAL CODE, NFPA 70, 2020 EDITION
FLORIDA BUILDING CODE, ENERGY CONSERVATION (FBC-EC), EIGHTH EDITION (2023)
FLORIDA BUILDING CODE, ACCESSIBILITY (FBC-A), EIGHTH EDITION (2023)
CITY OF CHIPLEY CODE OF ORDINANCES

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WASHINGTON COUNTY

WASHINGTON COUNTY LIBRARY

Washington County Public Library

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CHIPLEY, FL 32428

REVISIONS

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Released for Bid: 10/08/2025

Project Number **25014**
Dated 09-16-2025

COVER SHEET

G-001

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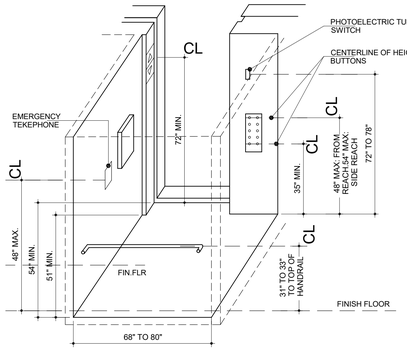
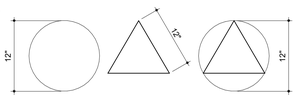


1 ACC-ELEVATOR CAB REQ'D
NOT TO SCALE

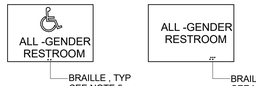


PLAIN GEOMETRIC IDENTIFICATION SINGS

INTERNATIONAL SYMBOLS OF ACCESSIBILITY

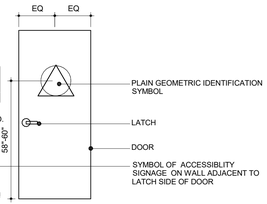
DARK COLORED DOORS — LIGHT COLORED DOORS

CAL ALL GENDER PLAN GEOMETRIC IDENTIFICATION SIGNS



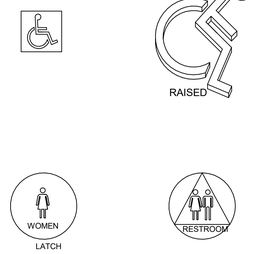
ALL -GENDER RESTROOM SIGN

NOTES:
1. PLAIN GEOMETRIC IDENTIFICATION SIGNS SHALL BE 1/4" THICK BLUE ACRYLIC PLASTIC SHAPE
   - FOR MEN
   - FOR WOMEN
   - FOR UNISEX
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL HAVE WHITE FIGURES AND LETTERS ON A BLUE BACKGROUND. OTHER COLORS MAY BE USED WITH BUILDING DEPT. APPROVAL
3. LETTERS AND NUMERALS SHALL BE RAISED 1/32" SANS-SERIF UPPERCASE CHARACTERS 5/8" MIN. TO 2" MAX.HIGH. PROPORTIONS SHALL BE PER CBC SECTION 11B-704.
4. MOUNTING LOCATIONS SHALL ALLOW A PERSON TO APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
5. BRAILLE SHALL BE CONTRACTED GRADE 2 BRAILLE AND PLACED FLUSHED LEFT OR CENTERED WITH THE CORRESPONDING TEXT IN ACCORDANCE WITH CBC SECTION 11B-703.3.2.
6. ATTACH TO SURFACE WITH TAMPER PROOF SCREWS.



MOUNTING HEIGHTS

NOTE :
WHERE THERE IS NOT WALL SPACE ON THE LATCH SIDE , SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL , PREFERABLY ON THE RIGHT .



VISUAL (RAISED) CHARACTERS:
1. WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN. & 110% MAX. OF THE HEIGHT OF THE UPPERCASE "I".
2. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX. OF THE HEIGHT OF THE CHARACTER.
3. CONTRAST CHARACTERS AND SYMBOLS WITH BACKGROUND.
4. SANS SERIF CHARACTERS.

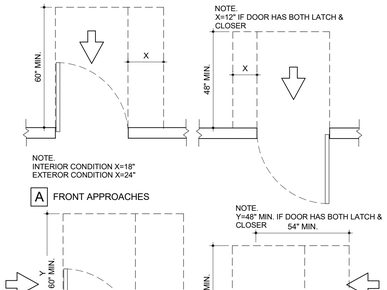
SIGNS & PICTOGRAMS:
5. PICTOGRAMS/PICTORIAL SYMBOL SIGNS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION SHALL BE OF NON-GLARE CONTRASTING COLORS.
6. CHARACTERS AND BACKGROUNDS SHALL BE OF NON-GLARE CONTRASTING COLORS.
7. SIGNS/PICTOGRAMS SHALL BE INSTALLED ON THE WALL ADJACENT TO DOOR LEADING TO THE ROOM OR SPACE THEY DESCRIBE AND AT 48" MIN. A.F.F. OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE & 60" MAX. A.F.F. OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE DOOR SWING AREA.
8. VERTICAL CLEARANCE AT SUSPENDED SIGNS WITH MINIMUM HEADROOM OF 80" REQUIRE MINIMUM 3" CHARACTER HEIGHT MEASURED BY USING UPPERCASE "X". CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO VIEWING DISTANCE FROM WHICH READ. LOWER CASE CHARACTERS PERMITTED.

SIGN LOCATIONS:
9. ALL ACCESSIBLE ENTRANCES IDENTIFIED WITH MINIMUM OF ONE STANDARD SIGN.
10. ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
11. BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.

INTERNATIONAL SYMBOL OF ACCESSIBILITY:
12. STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
13. WHITE FIGURE ON BLUE BACKGROUND, COLOR 15090 ON FEDERAL STANDARD 595A.
14. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

BRAILLE:
15. POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTILINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT.
16. USE CONTRASTED GRADE II BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.
17. 0.2 INCH SPACE BETWEEN CELLS.
18. DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.

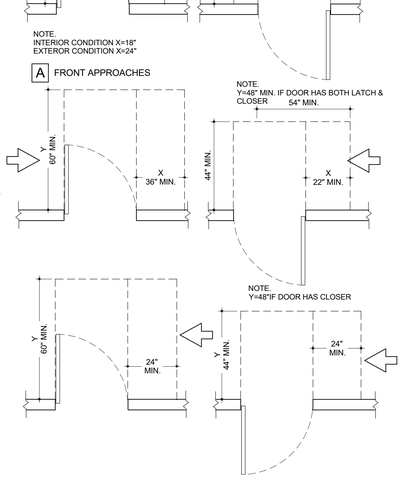
2 DOOR SIGNAGE
NOT TO SCALE



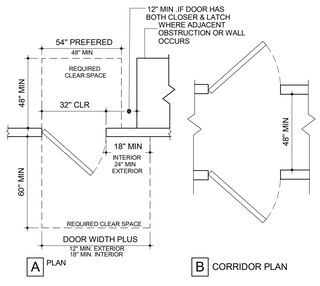
4 DOOR APPROACH REQ-UNIT-INT
NOT TO SCALE

5 DOOR APPROACH REQ-UNIT-INT
NOT TO SCALE

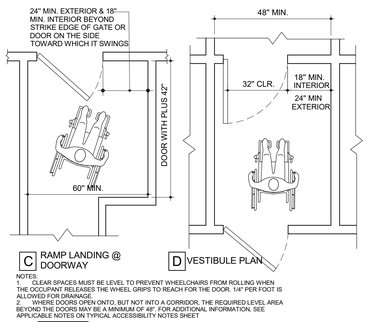
A FRONT APPROACHES



6 DOOR APPROACH EQ-PUBLIC
NOT TO SCALE



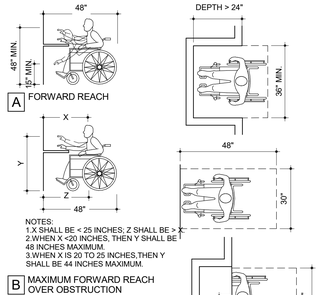
A PLAN — B CORRIDOR PLAN



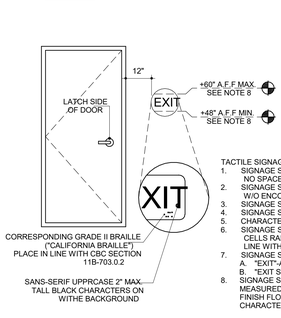
C RAMP LANDING @ DOORWAY — D VESTIBULE PLAN

NOTES:
1. CLEAR SPACES MUST BE LEVEL TO PREVENT WHEELCHAIRS FROM ROLLING WHEN THE OCCUPANT RELEASES THE WHEEL GRIPS TO REACH FOR THE DOOR. 1/4" PER FOOT IS ALLOWED FOR DRAINAGE.
2. WHERE DOORS OPEN ONTO, BUT NOT INTO A CORRIDOR, THE REQUIRED LEVEL AREA BEYOND THE DOORS MAY BE A MINIMUM OF 48". FOR ADDITIONAL INFORMATION, SEE APPLICABLE NOTES ON TYPICAL ACCESSIBILITY NOTES SHEET.

7 DOOR APPROACH CLEARANCES
NOT TO SCALE



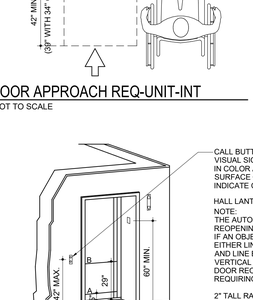
8 REACH REQUIREMENTS
NOT TO SCALE



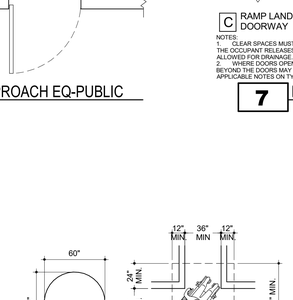
9 TACTILE EXIT SIGN
NOT TO SCALE

TACTILE SIGNAGE REQUIREMENTS:
1. SIGNAGE SHALL BE INSTALLED ON LATCH SIDE OF DOOR, OR IF NO SPACE ON THE NEAREST WALL PREFERABLE TO THE RIGHT.
2. SIGNAGE SHALL BE LOCATED SO THAT A PERSON CAN APPROACH WITHIN 3" W/O ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
3. SIGNAGE SHALL HAVE A NON-GLARE FINISH WITH A CONTRASTING BACKGROUND.
4. SIGNAGE SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1.
5. CHARACTER STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 & 1:10.
6. SIGNAGE SHALL CONTAIN GRADE II BRAILLE W/ DOTS 1/10" O.C. & 2/10" SPACE BETWEEN CELLS RAISED 1/40". PLACED FLUSHED LEFT OR CENTERED WITH THE CORRESPONDING TEXT IN LINE WITH CBC SECTION 11B-703.3.2
7. SIGNAGE SHALL HAVE VERBAGE PER CBC SECTION 1013.4.
   A. "EXIT"-AT GROUND FLOOR DOORS
   B. "EXIT STAIR DOWN"-AT STAIRS TO GROUND FLOOR EXIT.
8. SIGNAGE SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

3 ADA SIGNS AND PICTOGRAMS
NOT TO SCALE

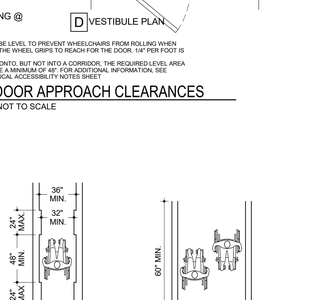


10 ACC-ELEVATOR REQUIREMENTS
NOT TO SCALE

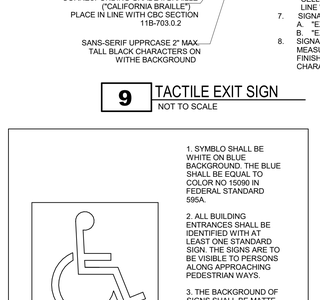


A 60 INCHES DIAMETER SPACE — B T-SHAPED SPACE FOR 180 DEG. TURN — C MINIMUM CLEAT WIDTH FOR SINGLE WHEELCHAIRS — D MINIMUM CLEAT WIDTH FOR TOW WHEELCHAIRS

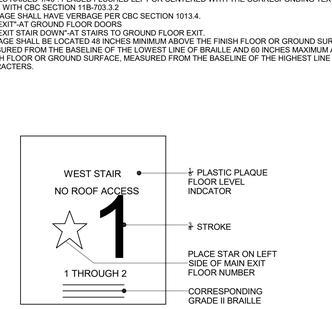
10 ACC-WHEELCHAIR PASSAGE WIDTH
NOT TO SCALE



11 DOOR REQUIREMENTS
NOT TO SCALE



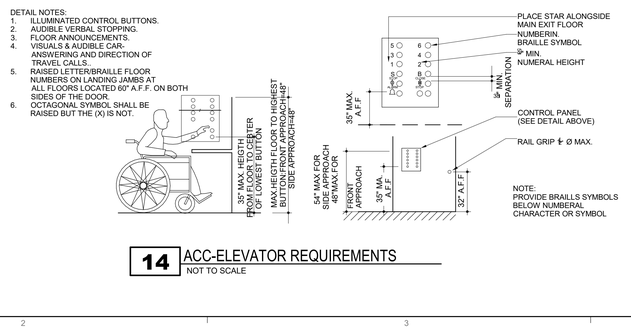
12 ACCESSIBLE WALL PLAQUE
NOT TO SCALE



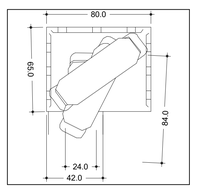
REFER TO CBC SECTION 11178.5.2 AND SECTION 1133B.4.3

NOTE:
THE INFORMATION ON THE SIGN MUST BE PRESENTED WITH RAISED ARABIC NUMERALS & CORRESPONDING GRADE II BRAILLE. THE MEZZANINE LEVELS SHALL HAVE THE LETTER "M" PRECEDING FLOOR NUMBER, BASEMENT LEVELS SHALL HAVE THE LETTER "B" PRECEDING THE FLOOR NUMBER. THE SIGN SHALL BE LOCATED 60" A.F.F. & LOCATED IMMEDIATELY ADJACENT TO THE DOOR ON THE STRIKE SIDE.

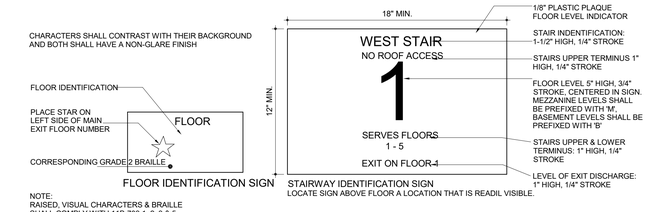
13 EXIT STAIR SIGNAGE
NOT TO SCALE



14 ACC-ELEVATOR REQUIREMENTS
NOT TO SCALE



15 STRETCHER REQUIREMENTS
NOT TO SCALE



16 STAIR AND FLOOR IDENTIFICATION SIGNAGE
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ADA COMPLIANCY

G-002

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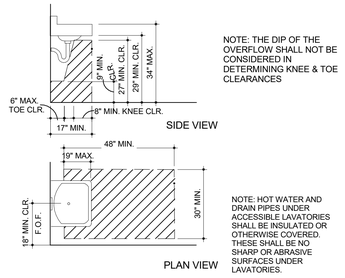
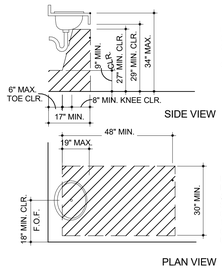


NOTE: THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE & TOE CLEARANCES

NOTE: HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THESE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

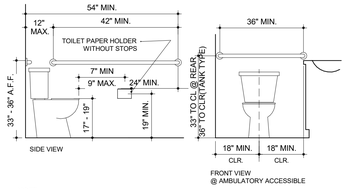
1 ACCESSIBLE LAVORATORIES -WALL
NOT TO SCALE



NOTE: THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE & TOE CLEARANCES

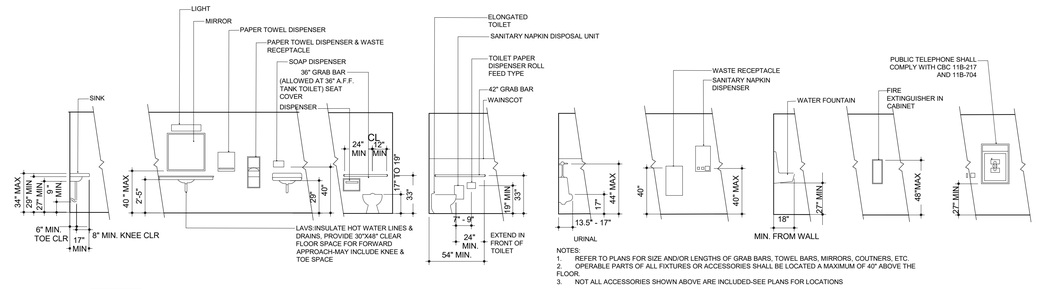
NOTE: HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHAP OR ABRASIVE SURFACES UNDER LAVATORIES.

2 ACCESSIBLE LAVORATORIES-COUNTER
NOT TO SCALE



NOTE:
1. WATER CLOSET FLUSH VALVE CONTROLS, OPERATING MECHANISM CONTROLS SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" A.F.F.
2. THE FORCE REQUIRED TO ACTIVATE THE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS &; FAUCET AND OPERATING MECHANISM CONTROLS SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE.
3. WHERE TANK TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33" THE GRAB BAR MAY BE AS HIGH AS 36" MAINTAINING 1 1/2" CLEAR TO TANK.

3 TYPICAL GRAB BARS AT WATER CLOSET
NOT TO SCALE

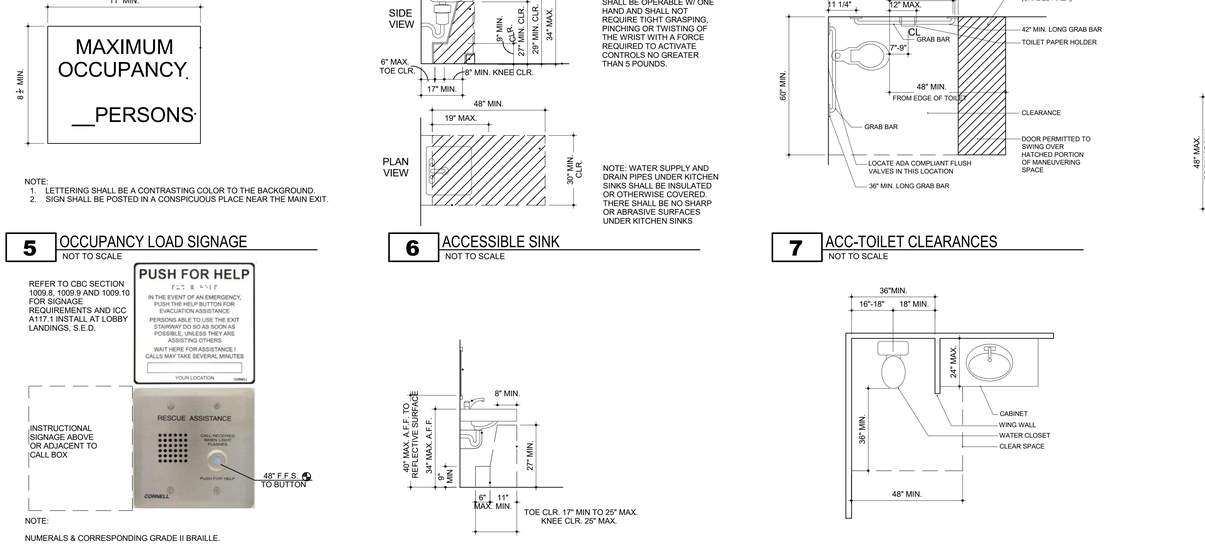


NOTES:
1. REFER TO PLANS FOR SIZE AND/OR LENGTHS OF GRAB BARS, TOWEL BARS, MIRRORS, COUTNERS, ETC.
2. OPERABLE PARTS OF ALL FIXTURES OR ACCESSORIES SHALL BE LOCATED A MAXIMUM OF 40" ABOVE THE FLOOR.
3. NOT ALL ACCESSORIES SHOWN ABOVE ARE INCLUDED-SEE PLANS FOR LOCATIONS

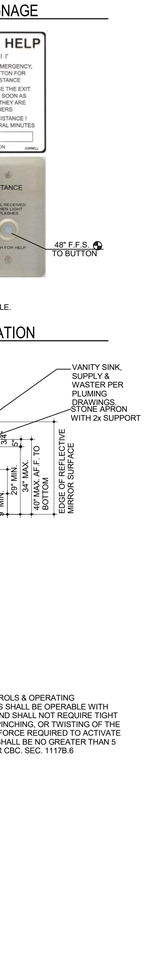
4 ACCESSORY MOUNTING HEIGHTS
NOT TO SCALE

NOTE:
1. LETTERING SHALL BE A CONTRASTING COLOR TO THE BACKGROUND.
2. SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT.

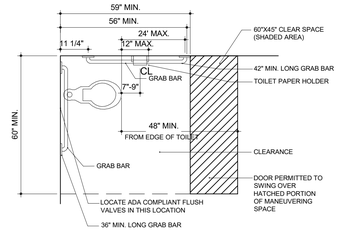
5 OCCUPANCY LOAD SIGNAGE
NOT TO SCALE



9 TWO WAY COMMUNICATION
NOT TO SCALE



6 ACCESSIBLE SINK
NOT TO SCALE

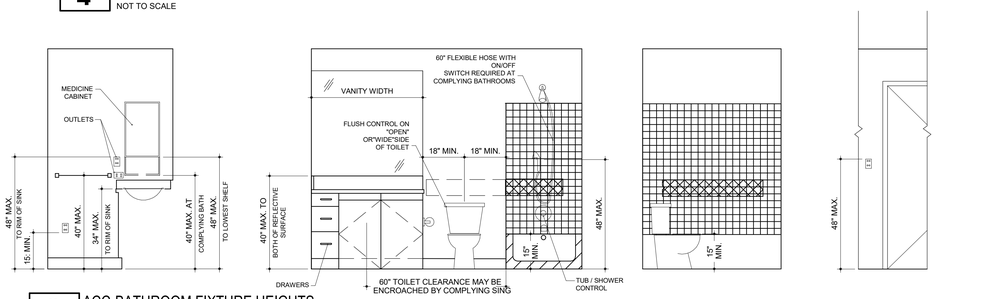


NOTE: FAUCET CONTROLS SHALL BE OPERABLE W/ ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST WITH A FORCE REQUIRED TO ACTIVATE CONTROLS NO GREATER THAN 5 POUNDS.

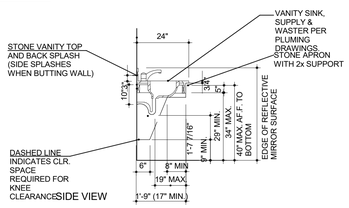
NOTE: WATER SUPPLY AND DRAIN PIPES UNDER KITCHEN SINKS SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER KITCHEN SINKS

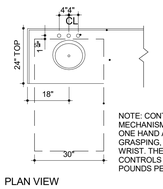
7 ACC-TOILET CLEARANCES
NOT TO SCALE

8 ACC-BATHROOM FIXTURE HEIGHTS
NOT TO SCALE

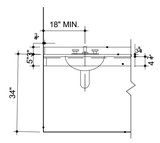


10 VANITY SINGLE OCCUPANCY
NOT TO SCALE

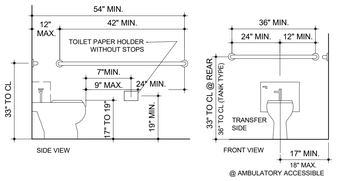




NOTE: CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS PER CBC. SEC. 1117B.6

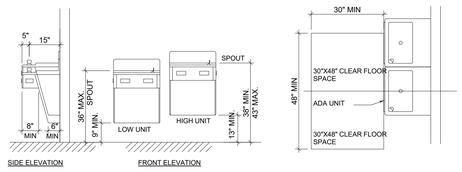


11 WATER CLOSET AT WALL CABINET
NOT TO SCALE

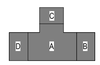


NOTE: WATER CLOSET FLUSH VALVE CONTROLS, OPERATING MECHANISM CONTROLS SHALL BE 1. OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" A.F.F. THE FORCE REQUIRED TO ACTIVATE THE WATER CLOSET AND URINAL FLUSH VALVE 2. CONTROLS & FAUCET AND OPERATING MECHANISM CONTROLS SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE. WHERE TANK TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33", THE GRAB BAR 3. MAY BE AS HIGH AS 36" MAINTAINING 1 1/2" CLEAR TO TANK.

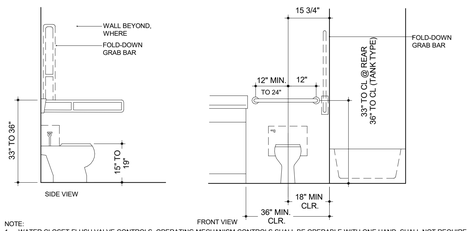
12 ACC-DRINKING FOUNTAINS
NOT TO SCALE



13 REACH REQUIREMENTS
NOT TO SCALE



17 ACC-FLOOR MOUNTED TOILETS
NOT TO SCALE



NOTE:
1. WATER CLOSET FLUSH VALVE CONTROLS, OPERATING MECHANISM CONTROLS SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING 1. OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" A.F.F.
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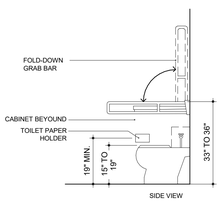
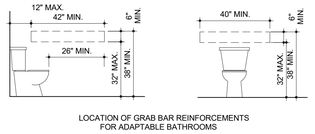
15 ACC-FLOOR MOUNTED TOILETS
NOT TO SCALE

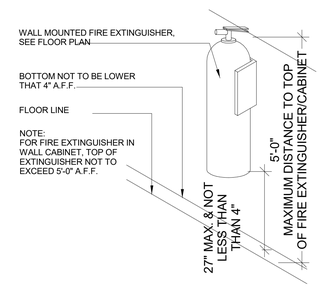


16 GRAB BAR REINFORCEMENT
NOT TO SCALE



LOCATION OF GRAB BAR REINFORCEMENTS FOR ADAPTABLE BATHROOMS

NOTE: THE AREA OUTLINED IN DASHED LINES PREPRESENT LOCATION FOR FUTURE INSTALLATION OF GRAB BARS



17 PORTABLE FIRE EXTINGUISHER.
NOT TO SCALE

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

ADA COMPLIANCY

G-003

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STANDARD ABBREVIATIONS

AC	AIR CONDITIONED
AD	AREA DRAIN
AFF	ABOVE FINISH(ED) FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMP, A	AMPERES
AO	ACCESS OPENING
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ATC	ACOUSTIC TILE CEILING
BAL	BALANCE
BD	BOARD
BLDG	BUILDING
BM	BEAM
BO	BRICK OPENING
BOT	BOTTOM
BRG	BEARING
BTUH	BRITISH THERMAL UNITS/HOUR
CAB	CABINET
CAP	CAPACITY
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFM	CUBIC FEET/MINUTE
CG	CORNER GUARD
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSATE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DR	DRAIN
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
EA	EACH
EIFS	EXT INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL(S)
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
EXIST	EXISTING
FA	FIRE ALARM
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER AND BRACKET
FEC	FIRE EXTINGUISHER AND CABINET
FIN	FINISH
FLR	FLOOR
FT	FOOT, FEET
FV	FIELD VERIFY
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GL	GLASS
GND	GROUND
GPH	GALLONS/HOUR
GPM	GALLONS/MINUTE
GWB	GYPSUM WALLBOARD
HB	HOSE BIB
HC	HOLLOW CORE
HDCP	HANDICAP(PED)
HM	HOLLOW METAL
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HW	HARDWARE
HYD	HYDRANT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
KB	KNOX BOX
KVA	KILOVOLT-AMPERES
LAV	LAVATORY
LB. #	POUND
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
M	MOTOR
MAINT	MAINTENANCE
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE (HAND)
ORD	OVERFLOW ROOF DRAIN
OTS	OPEN TO STRUCTURE
PLBG	PLUMBING
PSF	POUNDS/SQUARE FOOT
PSI	POUNDS/SQUARE INCH
PT	POINT
PTD	PAINTED
QTR	QUARTER
QTY	QUANTITY
R	RISER
RA	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ	REQUIRED
RM	ROOM
RO	ROUGH OPENING
RPM	REVOLUTIONS/MINUTE
R VALUE	THERMAL RESISTANCE
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ FT	SQUARE FEET (FOOT)
STC	SOUND TRANSMISSION CLASS (COEFFICIENT)
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURE(AL)
SUSP	SUSPENDED
SW	SWITCH
TEL	TELEPHONE
TEMP	TEMPERATURE
THK	THICK(NESS)
THRU	THROUGH
TLT	TOILET
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TYP	TYPICAL
UL	UNDERWRITER LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W	WITH
WC	WATER CLOSET
WD	WOOD
WH	WALL HYDRANT
W/O	WITHOUT
WTR	WATER
XC	EXPANSION CONTROL
XPS	EXTRUDED POLYSTYRENE BOARD

STANDARD SYMBOLS

PLAN SYMBOLS

SECTION MARKER

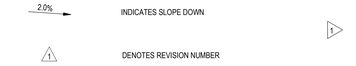
ELEVATION MARKER

INTERIOR ELEVATION MARKER

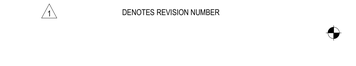
DETAIL MARKER

PROJECT NORTH ARROW

TRUE NORTH ARROW



INDICATES SLOPE DOWN



DENOTES REVISION NUMBER

ROOM IDENTIFIER - NAME, NUMBER, AREA

PARTITION TYPE IDENTIFIER - SEE WALL TYPES

DOOR IDENTIFIER - SEE DOOR SCHEDULE

WINDOW IDENTIFIER - SEE WINDOW TYPES AND ELEVATIONS

STOREFRONT WINDOW IDENTIFIER - SEE STOREFRONT TYPES AND ELEVATIONS

CURTAIN WALL IDENTIFIER - SEE CURTAIN WALL TYPES AND ELEVATIONS

EXISTING COLUMN GRIDLINE

NEW COLUMN GRIDLINE

CEILING HEIGHT INDICATOR (DISTANCE AFF)

CEILING TYPE INDICATOR (TYPE MARK)

EQUIPMENT - CONTRACTOR-PROVIDED

EQUIPMENT - OWNER-PROVIDED

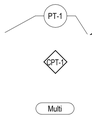
SIGNAGE IDENTIFIER - SEE SIGN TYPES

SPOT ELEVATION MARKER

ELEVATION (FLOOR / LEVEL) MARKER

FINISH SYMBOLS

WALL AND BASE FINISH
EXTENT OF FINISH



WALL FINISH
EXTENT OF FINISH

FLOOR FINISH

CEILING / FLOOR FINISH

CHANGE IN SPECIFIED FINISH - PROVIDE TRANSITION STRIP AS REQUIRED

DIRECTION OF SPECIFIED FINISH

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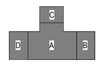


REVISIONS

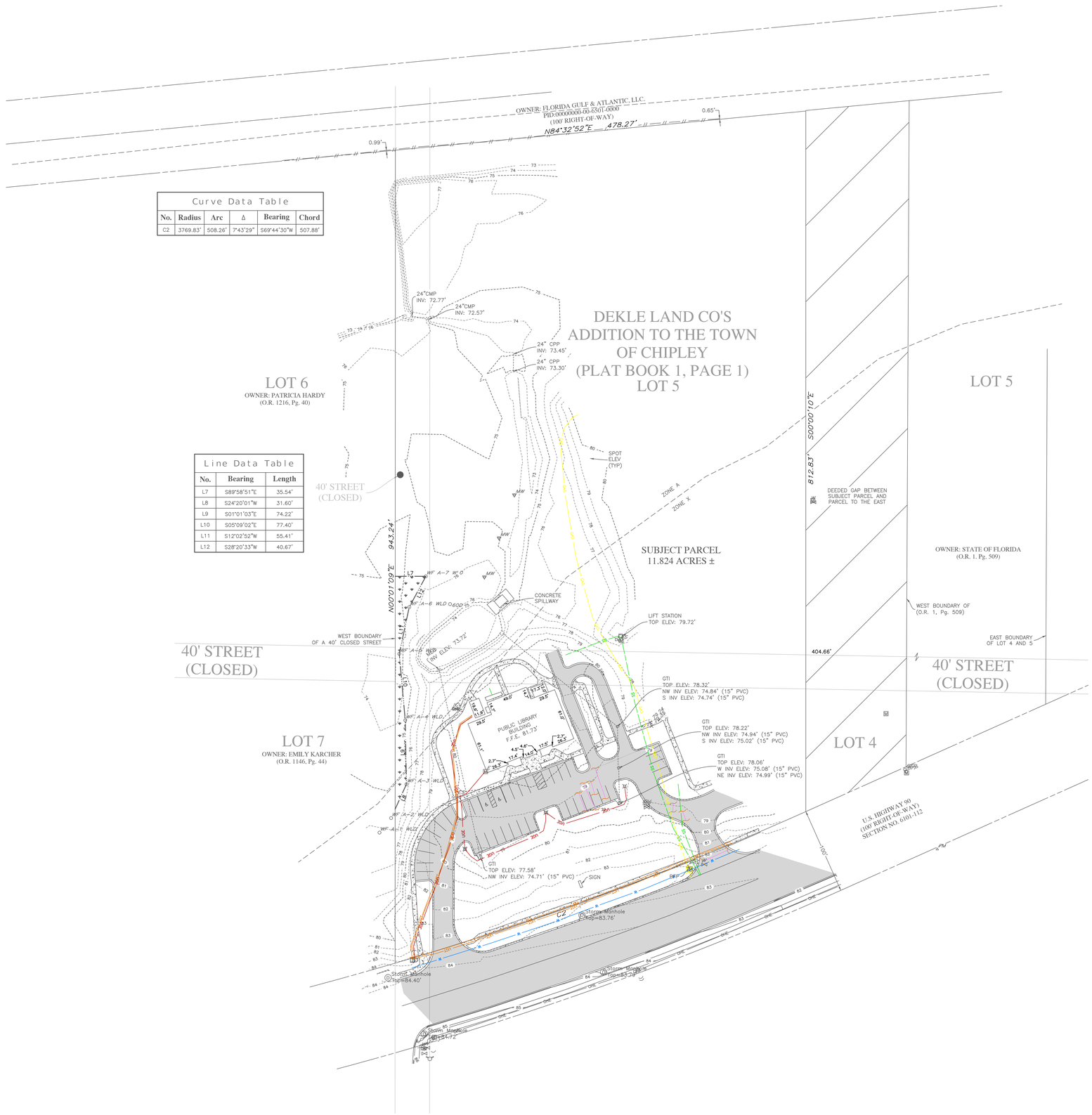
NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

ABBREVIATIONS & SYMBOLS

G-004



Curve Data Table					
No.	Radius	Arc	Δ	Bearing	Chord
C2	3769.83'	508.26'	7°43'29"	S69°44'30"W	507.88'

Line Data Table		
No.	Bearing	Length
L7	S89°58'51"E	35.54'
L8	S24°20'01"W	31.60'
L9	S01°01'03"E	74.22'
L10	S05°09'02"E	77.40'
L11	S12°02'52"W	55.41'
L12	S28°20'33"W	40.67'

100 50 0 50 100

SCALE: 1" = 50'

LEGEND

CMP	Corrugated Metal Pipe	INV	Invert
ELEV	Elevation	LB	Licensed Business
FCM	Found Concrete Monument	LS	Licensed Surveyor
FIP	Found Iron Pipe	MES	Mitered End Section
FIR	Found Iron Rod	ORB	Official Records Book
FMCD	Found Mag Nail & Disk	PB	Plat Book
GTI	Grate Top Inlet	Pg(s)	Page(s)
	Storm Drainage Manhole	PSM	Professional Surveyor and Mapper
	Electric Junction Box	PVC	Polyvinyl Chloride Pipe
	Electric Switch Box	SIR	Set 1/2" Iron Rod LB7768
FHH	Fiber Optic Handhole		Wood Fence
	Guy Anchor		Wetland Line
MW	Monitoring Well		Electric Power Pole
			Sign
			Wetland Flag
			Water Gate Valve

DESCRIPTION (PER ORB 395 PG 246)

ALL THAT PART OF LOTS 4 AND 5, LYING NORTH OF STATE ROAD 10 (U.S. HIGHWAY #90) LESS THE EAST 404.66 FEET, ACCORDING TO DEKLE LAND COMPANY'S ADDITION TO THE TOWN OF CHIPLEY, FLORIDA OF THE SE 1/4 OF SECTION 5, TOWNSHIP 4 NORTH, RANGE 13 WEST.

SURVEYOR'S NOTES:

1. Current title information on the subject property had not been furnished to GeoPoint Surveying, Inc. at the time of this survey, and is subject to title review and/or abstract. GeoPoint Surveying, Inc. makes no representations or guarantees pertaining to easements, rights-of-way, set back lines, reservations, agreements, and other similar matters.
2. This survey is limited to above ground visible improvements along and near the boundary lines, except as shown hereon, and that nothing below the ground was located including, but not limited to foundations (footings), utilities, etc.
3. Bearings shown hereon are based on the South Boundary of Section 5, Township 4 North , Range 14 West, Washington County, Florida, having a Grid bearing of S88°35'20"E. The Grid Bearings as shown hereon refer to the State Plane Coordinate System, North American Horizontal Datum of 1983 (NAD 83-2011 Adjustment) for the North Zone of Florida.
4. All dimensions, unless otherwise noted, are survey dimensions.
5. The subject parcel lies in Flood Zone "A" and "X", according to Flood Insurance Rate Map, Map No. 12133C0070D for City of Chipley, Community No. 120325, Washington County, Florida, dated July 4, 2011 and issued by the Federal Emergency Management Agency. Lines shown, if any, have been digitally translated from DFIRM database information supplied by the FEMA Map Service Center (https://msc.fema.gov).
6. Elevations shown hereon are based on the NGS Benchmark "Chipley RM1", having a published elevation of 109.88 feet, relative to the North American Vertical Datum of 1988 (NAVD 88).
7. Use of this survey for purposes other than intended, without written authorization, will be at the user's sole risk and without liability to the surveyor. Nothing hereon shall be construed to give any rights or benefits to anyone other than those certified to.
8. The wetland flags, as shown hereon, were not set by GeoPoint but were field located on March 5, 2025.
9. Although no dedication was found for the streets on the plat of Dekle Land Co's Addition to the town of Chipley, it appears that by occupation the City has maintained rights to the platted streets and are using the West Boundary of said closed street as it's own property boundary.

SURVEY INFORMATION SHOWN ON THESE PLANS HAS BEEN PROVIDED BY GEOPOINT SURVEYING, INC. UNDER THE DIRECTION OF THE FOLLOWING LICENSED SURVEYORS: BRYCE BRASHER, P.S.M. NO. 7601 - BOUNDARY, TOPOGRAPHIC, AND WETLAND SURVEY TITLED "CHIPLEY PUBLIC LIBRARY", GEOPOINT PROJECT NO. CHIPLEY-BT - 031925 - SS, DATED MARCH 5, 2025, WITH FINAL PLOTTED DATE MARCH 19, 2025. JM, CMP - SUBSURFACE UTILITY ENGINEERING (SUE) QUALITY LEVEL B UTILITY SURVEY TITLED "CHIPLEY LIBRARY - SUE", GEOPOINT PROJECT SUE_QL-B UTILITIES, DATED MARCH 4, 2025. THIS INFORMATION HAS BEEN REVIEWED BY DAVID H. MELVIN, INC. (DHM); HOWEVER, IT HAS NOT BEEN INDEPENDENTLY VERIFIED. IT IS BEING INCORPORATED INTO THESE PLANS FOR REFERENCE PURPOSES ONLY. CONTRACTORS AND OTHERS RELYING ON THIS INFORMATION ARE RESPONSIBLE FOR INDEPENDENTLY VERIFYING ALL EXISTING CONDITIONS IN THE FIELD.

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FLORIDA REG. NO 83163

DHM MELVIN ENGINEERING

ISSUED FOR BUILDING PERMIT

WASHINGTON COUNTY

WASHINGTON COUNTY LIBRARY

Washington County Public Library

1444 W JACKSON AVE.
CHIPLEY, FL 32428

REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number **25014**
Dated 09-16-2025

EXISTING CONDITIONS

C001

GENERAL CONSTRUCTION

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LEARN, KNOW, AND COMPLY WITH THE REGULATIONS, ORDINANCES, PERMITS, AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES (LOCAL, STATE, AND FEDERAL) HAVING JURISDICTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND COMPLY WITH THE CONDITIONS OF THE VARIOUS PERMITS OF THE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL SCHEDULE THE REQUIRED INSPECTIONS AND APPROVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE NECESSARY AGENCIES OF CONSTRUCTION COMMENCEMENT.
2. THE CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS IN POSSESSION AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN AND MAKE AVAILABLE A COMPLETE AND CURRENT SET OF APPROVED CONSTRUCTION DRAWINGS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL CONSTRUCTION PERMITS REQUIRED FOR THE COMPLETION OF THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION IS DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR THE LATEST EDITION, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING, OR SHORING AS NECESSARY. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT." THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
6. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE OWNER, FLORIDA DEPARTMENT OF TRANSPORTATION, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
7. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF THE LATEST ISSUE AND SHALL BE CONSIDERED A PART OF THESE DOCUMENTS AS THOUGH INCLUDED.
8. ALL EXISTING ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) UNLESS OTHERWISE NOTED.
9. STATIONING ON THE PLANS RELATES TO THE CENTERLINE OF ALL ROADWAYS AND RIGHT-OF-WAYS AND SHALL BE USED FOR LOCATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE STATIONING WHEN CALCULATING UTILITY LENGTHS.
10. BOUNDARY, TOPOGRAPHIC, TREE, WETLAND, AND UTILITY SURVEY SHOWN HEREON AND UTILIZED FOR DESIGN PURPOSES HAS BEEN PROVIDED BY GEOPOINT SURVEYING, INC., UNDER THE DIRECTION OF BRYCE BRASHER, FL PLS 7601, DATED 03/05/2025 AS PROJECT No. 1003001. DHM, INC. HAS REVIEWED BUT NOT VERIFIED THE ABOVE-LISTED DATA. DHM, INC. MAKES NO CERTIFICATIONS OR REPRESENTATIONS AS TO THE ACCURACY OF THE SURVEY DATA.
11. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAS BEEN DETERMINED BY THE BEST INFORMATION AVAILABLE. THE ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE DEPICTIONS. ALL THE UTILITIES SHOWN ON THE PLANS MAY NOT BE ACCURATE AND ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF EXISTING UTILITIES, DETERMINING IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK, AND TAKING WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS AND MAKE ANY NECESSARY ARRANGEMENTS FOR THE RELOCATION, REMOVAL, AND OR PROTECTION OF THE UTILITIES WITHIN THE PROJECT AREA WITH THE UTILITY OWNER. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION OR TIME WILL BE ALLOWED AS A RESULT.
12. THE CONTRACTOR SHALL VISIT AND BECOME FAMILIAR WITH THE SITE BEFORE CONSTRUCTION. THE SURVEY MAY NOT SHOW ALL OBJECTS WITHIN THE PATH OF CONSTRUCTION. IF OBJECTS ARE NOT SHOWN ON THE SURVEY, CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ALL OBJECTS NOT SHOWN ON THE SURVEY.
13. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE PHYSICALLY VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT INTEND TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXPLORATIONS AND EXCAVATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING, WHENEVER NECESSARY. THE OWNER RESERVES THE RIGHT TO CHANGE THE LOCATION OF LINES TO AVOID CONFLICT WITH EXISTING STRUCTURES, UTILITIES, OR PIPING. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED BY THEIR OWNER OR ENGINEER.
14. BEFORE COMMENCING ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CALL FLORIDA SUNSHINE STATE ONE-CALL CENTER, INC. AT 1-800-432-4770 OR 811 TO REQUEST THE LOCATION MARKING OF UTILITIES WITHIN THE PROJECT AREA. NO CONSTRUCTION ACTIVITY WITHIN THE SITE MAY OCCUR UNTIL THE UTILITIES HAVE BEEN PROPERLY MARKED. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT BEFORE COMMENCING WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING TO EQUAL OR BETTER CONDITION ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
16. REPAIR AND REPLACEMENT OF ANY PRIVATE OR PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK UNLESS SPECIFICALLY EXEMPTED BY THESE PLANS. ADDITIONAL COSTS ASSOCIATED WITH ANY SUCH REPAIRS SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
17. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID TRESPASSING AND DAMAGING PRIVATE PROPERTY.
18. WHERE IT BECOMES NECESSARY TO TEMPORARILY REMOVE, REPOSITION, OR SUPPORT EXISTING FACILITIES, UTILITY POLES, ETC., THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER OF THE EXISTING FACILITY, UTILITY POLE, ETC. THE CONTRACTOR SHALL GIVE PROPER NOTICE TO THE UTILITIES. THE CONTRACTOR SHALL PHYSICALLY EXAMINE THE ENTIRE PROJECT SITE AND INFORM HIMSELF FULLY REGARDING ALL CONDITIONS PERTAINING TO THE PLACE WHERE THE WORK IS TO BE PERFORMED TO DETERMINE HIS COST TO PERFORM THE WORK. THE CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO AREAS INVOLVING CLEARING AND GRUBBING, EXISTING FACILITIES REMOVAL AND REPLACEMENT, SUPPORT ON RELOCATION, AND WORK INVOLVED IN WETLAND AREAS.
19. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE THE ACTIVITIES OF THE UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO TV, TELEPHONE, GAS, POWER, ETC., AND PROVIDE IN ACCORDANCE WITH THE UTILITY COMPANY REQUIREMENTS ANY NECESSARY CONDUITS FOR CROSSINGS UNDER PAVEMENT. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS SERVICE. ANY DAMAGE CAUSED BY THE UTILITY COMPANY TO THE IMPROVEMENTS OF THE CONTRACTOR SHALL BE REQUIRED TO BE REPAIRED BY EITHER THE CONTRACTOR OR THE UTILITY COMPANY, AT NO COST TO THE OWNER, IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS.
20. THE CONTRACTOR SHALL REMOVE AND REPLACE, TO EQUAL OR GREATER THAN THEIR ORIGINAL CONDITION, ALL DISTURBED MATERIALS OR OBJECTS WITHIN THE PATH OF THE PROPOSED PROJECT AS NECESSARY AT THE CONTRACTOR'S EXPENSE. ALL REPLACED MATERIALS SHALL BE EQUAL OR GREATER THAN ORIGINAL AND SHALL BE APPROVED BY THE ENGINEER. THIS INCLUDES BUT IS NOT LIMITED TO DISTURBED LANDSCAPING, SIGNS, FENCING, POSTS, MAILBOXES, STRUCTURES, IRRIGATION, ETC. WITHIN THE PATH OF THE PROPOSED PROJECT.
21. REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS AND DRIVEWAY CULVERTS SHALL BE INCLUDED IN THE BID PRICE. NEW DRIVEWAYS SHALL MATCH EXISTING MATERIALS.
22. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT AND ENVIRONMENTAL REPORT, AS APPLICABLE, FOR THE PROJECT AREA BEFORE BIDDING THE PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW THE OUTLINED CONSTRUCTION TECHNIQUES IN THESE REPORTS. THE CONTRACTOR SHALL PREPARE THE SITE BEFORE THE COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THESE REPORTS.
23. SHOULD THE LOWERING OF GROUNDWATER BE NECESSARY FOR CONSTRUCTION, SUCH LOWERING SHALL BE ACCOMPLISHED BY MEANS OF A WELL POINT SYSTEM OR OTHER APPROVED MEANS AT THE CONTRACTOR'S EXPENSE. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR TO ENGINEER FOR REVIEW. PRIOR TO THE INSTALLATION OF ANY DEWATERING EQUIPMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL PERMITS TO CONDUCT DEWATERING ACTIVITIES.
24. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION OR AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS. DISTURBED AREAS SHALL BE SODDED, SEEDED, MULCHED, OR PLANTED WITH APPROVED LANDSCAPE MATERIAL AS DIRECTED BY THE CONSTRUCTION DOCUMENTS IMMEDIATELY FOLLOWING CONSTRUCTION PER THE LOCAL INSPECTOR.
25. BEFORE CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, FROM THE AUTHORITY HAVING JURISDICTION.
26. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER BENCHMARKS ON THE SITE. EXISTING BENCHMARKS THAT ARE SPECIFIED FOR REMOVAL SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE AND RE-ESTABLISHED BY A LICENSED SURVEYOR.
27. THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND THE OWNER'S ENGINEER A COPY OF THE SHOP DRAWINGS AND SPECIFICATIONS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THE SITE FOR REVIEW AND APPROVAL. FAILURE TO SUBMIT THIS INFORMATION MAY RESULT IN THE REMOVAL AND REPLACEMENT OF THESE ITEMS AT THE CONTRACTOR'S EXPENSE. NOTE THAT THE APPROVAL OF THE OWNER AND OWNER'S ENGINEER DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR REMAINS RESPONSIBLE FOR THE DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES, JOB CONDITIONS, AND DIMENSIONS, FOR SELECTING FABRICATION, PROCESSES, FOR TECHNIQUES OF ASSEMBLY AND CONSTRUCTION, AND FOR PERFORMING THE WORK IN A SAFE MANNER.
28. THE CONTRACTOR SHALL CONTACT THE OWNER AND OWNER'S ENGINEER BEFORE ANY CONSTRUCTION THAT MAY DAMAGE TREES.
29. ALL SERVICE INTERRUPTIONS SHALL BE COMPLETED BETWEEN THE HOURS OF 11:00 P.M. AND 4:30 A.M. UNLESS OTHERWISE APPROVED BY THE UTILITY AND THE OWNER. THE CONTRACTOR IS REQUIRED TO NOTIFY ALL AFFECTED PARTIES 24 HOURS PRIOR.
30. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
31. ALL CONSTRUCTION STAKING SHALL BE DONE AT THE CONTRACTOR'S EXPENSE AND PERFORMED BY A PROFESSIONAL SURVEYOR AND MAPPER (PSM) REGISTERED IN THE STATE OF FLORIDA.
32. A TWO-AND-ONE-HALF-FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT AREAS AND ALL ABOVE-GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW-OFF VAULTS, AND AIR RELEASE VAULTS. ALL OTHER DISTURBED AREAS SHALL BE RESTORED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED IN PLANS.
33. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY COMPLETED BY A LICENSED SURVEYOR UNLESS EXPLICITLY STATED IN THE CONTRACT DOCUMENTS. THESE DRAWINGS SHALL BE MARKED TO SHOW AS-BUILT CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS, AND ELEVATIONS OF ALL IMPROVEMENTS. INFORMATION FOR STRUCTURES SHALL CONSIST OF RIM ELEVATIONS, INVERT ELEVATIONS, BOTTOM OF STRUCTURE ELEVATIONS, BOTTOM OF BAFFLE ELEVATION, AND PIPE SIZE/MATERIAL. UTILITY INFORMATION SHALL INCLUDE LOCATIONS OF ALL FITTINGS, VALVES, DEAD-END RUNS, ETC. THE CONTRACTOR SHALL ALSO PROVIDE A PROFILE OF ALL DIRECTIONAL BORE AND JACK-AND-BORE LOCATIONS OF ACTUAL PIPE ELEVATIONS AT 10-FOOT INTERVALS. AS-BUILT PLANS SHALL INDICATE THE LOCATIONS OF ALL MANHOLES, FITTINGS, VALVES, DEAD-END RUNS, ETC. WITH THREE (3) PHYSICAL FEATURES SUCH AS LOT CORNERS, TREES, ETC. INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR AND SUBMITTED TO OWNER AS ONE PHYSICAL COPY AS WELL AS IN DIGITAL FILE FORMATS OF .PDF AND .DWG OR .DGN (TO BE COORDINATED WITH OWNER AND OWNER'S ENGINEER PRIOR TO COMPLETION).

TEMPORARY FACILITIES AND TRAFFIC REGULATION

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY DURING CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN PROPER TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES. NO STREET SHALL REMAIN CLOSED TO TRAFFIC OVERNIGHT. IN ADDITION, THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN MAINTAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO ADJACENT PROPERTIES AT ALL TIMES AND SHALL MAINTAIN CONTINUOUS VEHICULAR ACCESS FOR EMERGENCY ACCESS DURING CONSTRUCTION WITH NO EXCEPTIONS AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC WITH THE LOCAL SCHOOL BOARD AND EMERGENCY RESPONSE AGENCIES TO ENSURE ACCESS FOR SCHOOL BUSES AND EMERGENCY RESPONSE VEHICLES.
4. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIALS ARE AVAILABLE FOR CONSTRUCTION IN THAT AREA.
5. THE CONTRACTOR IS RESPONSIBLE FOR CREATING AND IMPLEMENTING A TEMPORARY TRAFFIC CONTROL (TTC) PLAN FOR CONSTRUCTION ACTIVITIES THAT OCCUR WITHIN THE PUBLIC RIGHT OF WAY INCLUDING BUT NOT LIMITED TO DEMOLITION, PAVEMENT REMOVAL, SIDEWALK CONSTRUCTION, AND PAVEMENT CONSTRUCTION. THE TTC PLAN SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT STANDARD PLANS FOR ROAD CONSTRUCTION OR CREATED BY A REGISTERED PROFESSIONAL ENGINEER OR INDIVIDUAL WHO IS CERTIFIED AND IN CURRENT STANDING TO DO SO BY THE FDOT TTC CERTIFICATION TRAINING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE TTC PLAN TO THE APPLICABLE REGULATORY AGENCY FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTING ANY TEMPORARY TRAFFIC CONTROL MEASURES.
6. CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS, AND FLAG PERSONS AS NECESSARY FOR THE TTC PLAN.
7. THE CONTRACTOR SHALL PROVIDE A WORK SITE TRAFFIC SUPERVISOR IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS, OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS WRITTEN PERMISSION OF THE LOCAL PUBLIC WORKS DEPARTMENT HAVING JURISDICTION OVER THE PROJECT AREA OR FDOT. IF WRITTEN APPROVAL IS OBTAINED, A COPY SHALL BE PROVIDED TO THE OWNER AND ENGINEER OF RECORD.
9. NO WORK THAT WOULD CAUSE TEMPORARY LANE CLOSURE WILL BE PERFORMED ON HOLIDAYS OR BEFORE 7:45 A.M. AND BETWEEN 2:45 P.M. AND 3:15 P.M. ON SCHOOL DAYS.
10. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSING CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.

DEMOLITION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEMOLITION OR DELETERIOUS MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, THE MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.
2. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION. SAW-CUT SIDEWALKS AND CURB AT THE NEAREST JOINT.
3. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES THAT ARE TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEARING AND COVERED WITH SOIL BY THE END OF THE SAME WORKING DAY.
4. ALL BUILDINGS, BUILDING FOUNDATIONS, UNDERGROUND PIPING, ASPHALT, CONCRETE, AND LIMEROCK (OR OTHER) BASE MATERIAL IDENTIFIED FOR DEMOLITION ARE TO BE REMOVED FROM THE PROJECT SITE. THE CONTRACTOR SHALL ENSURE THAT ALL UNDERGROUND PIPING AND UTILITIES ARE PROPERLY PLACED OUT OF SERVICE PRIOR TO REMOVAL AND CUT-AND-CAPPED AT THE PROPERTY BOUNDARY OR AS DIRECTED BY THE LOCAL UTILITY AUTHORITY HAVING JURISDICTION OVER THE PROJECT.
5. IN PROPOSED LANDSCAPE AREAS, ALL IMPERVIOUS SURFACES (ASPHALT, CONCRETE, ETC.) OR COMPACTED SOIL SHALL BE REMOVED AND REPLACED WITH SUITABLE SOIL MATERIAL AS DIRECTED BY THE LANDSCAPE PLANS.

PAVING, GRADING, AND DRAINAGE

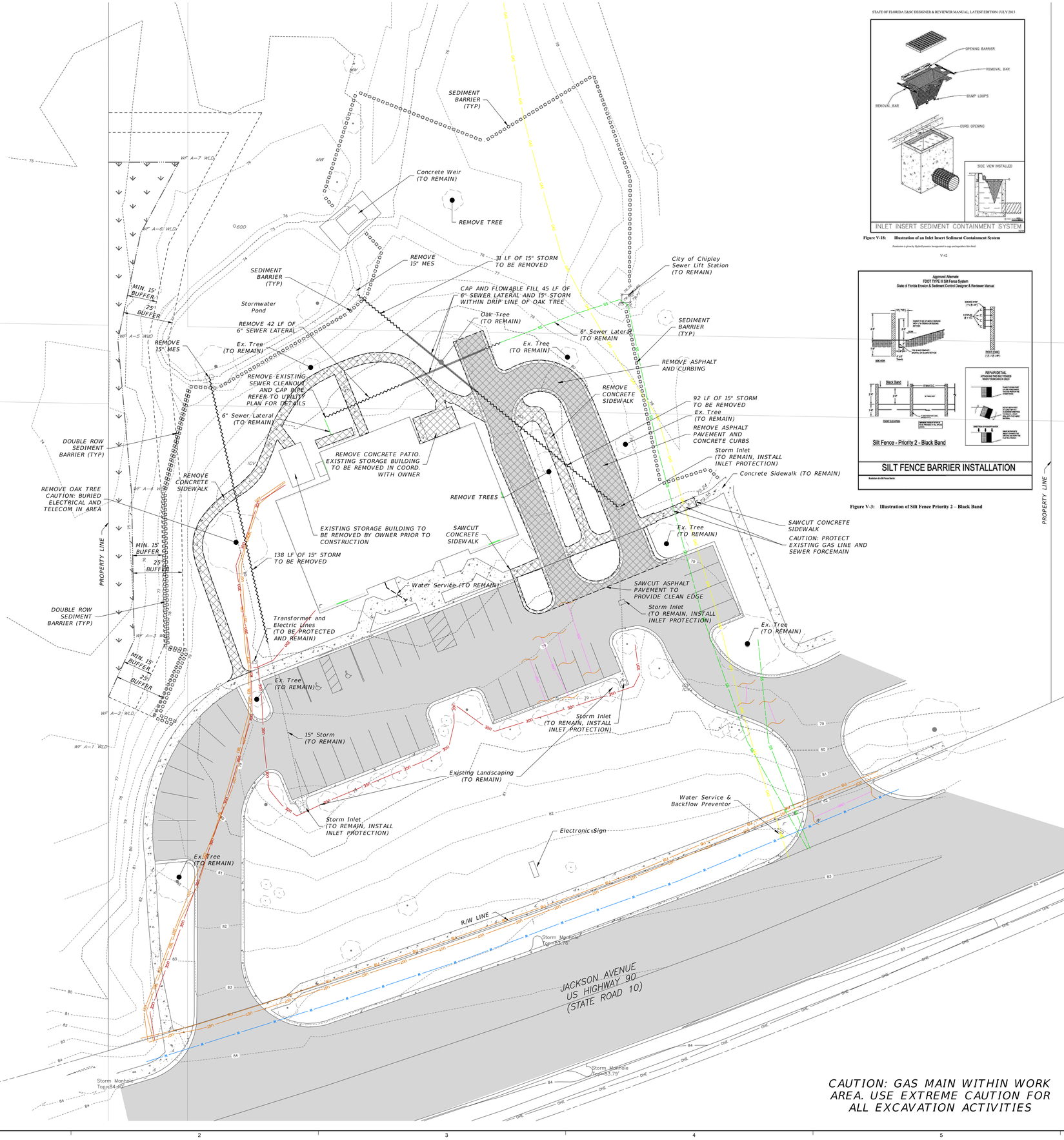
1. ALL EXISTING PAVEMENT AND DRIVEWAY PAVEMENT PROPOSED TO BE REMOVED SHALL BE SAW CUT.
2. ALL PAVEMENT DIMENSIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.
4. ALL STRIPING WITHIN THE RIGHT OF WAY SHALL BE PLACED FIRST AS TEMPORARY STRIPING FOLLOWED BY AN APPLICATION OF THERMOPLASTIC STRIPING 30 DAYS LATER OR AS DIRECTED BY THE ENGINEER OR OWNER.
5. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF-SITE PROPERTY. REFER TO THE SURFACE WATER MANAGEMENT PLAN SHEET FOR ADDITIONAL INFORMATION AND GUIDANCE ON THESE PRACTICES.
7. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT FOR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
8. AS DETERMINED NECESSARY AND DIRECTED BY THE GEOTECHNICAL ENGINEER OR THE OWNER'S ENGINEER, THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL BELOW THE BOTTOM OF ANY PROPOSED LIME ROCK BASE AND SHALL BACKFILL WITH SUITABLE MATERIAL MEETING THE FDOT STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS AS DIRECTED BY THE OWNER OR THE OWNER'S ENGINEER.
10. ALL CONCRETE USED SHALL BE A 3,000 PSI MINIMUM OR AS SPECIFIED IN THE PLANS.
11. ALL WELLS, CLEANOUTS, MANHOLE TOPS, UTILITY VAULTS, PULL BOXES, AND OTHER UTILITY APPURTENANCES IN THE AREA OF REDEVELOPMENT SHALL BE PROTECTED AND THE TOPS ADJUSTED TO MATCH PROPOSED GRADES
12. CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS ANY EXISTING PAVEMENT.
13. PAVEMENT WEARING SURFACE SHALL BE ASPHALTIC CONCRETE OF A TYPE AND THICKNESS SHOWN IN THE PLANS AND THE MATERIAL AND CONSTRUCTION SHALL MEET THE CURRENT FDOT SPECIFICATIONS.
14. ADJUSTING UTILITIES TO INCLUDE MANHOLE TOPS AND VALVE RISERS TO MATCH GRADE AND SLOPE OF THE FINISH PAVING SHALL BE INCLUDED IN THE RESPECTIVE CONTRACT UNIT PRICE FOR MANHOLES AND VALVES, PAYMENT OF WHICH WILL CONSTITUTE FULL COMPENSATION FOR THE CONSTRUCTION AND COMPLETION OF THE MANHOLE AND VALVES, AND NO ADDITIONAL PAYMENT WILL BE ALLOWED OR MADE FOR UTILITY ADJUSTMENTS.
15. ALL DISTURBED DRIVES SHALL BE RECONNECTED FROM THE PROPERTY LINE TO THE EDGE OF PAVEMENT OR EDGE OF DIRT ROAD IN A CONDITION EQUAL TO OR BETTER THAN ITS PREVIOUS CONDITION USING THE SAME TYPE OF MATERIALS THAT WERE REMOVED. GRAVEL DRIVEWAYS SHALL BE REPLACED WITH NEW GRAVEL.
16. CONTRACTOR WILL BE REQUIRED TO PLACE SOD IN ALL EROSION PROBLEM AREAS.
17. A TWO AND ONE-HALF STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT OVERLAY AREAS, CONCRETE DRIVEWAYS, AND AROUND ALL ABOVE-GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW-OFF VAULTS, AND AIR RELEASE VAULTS. SOD SHALL ALSO BE PLACED IN ALL DISTURBED AREAS WITH A 3-TO-1 SLOPE OR GREATER OR ANY EROSION PROBLEM AREAS.
18. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PERFORM ALL ROADWAY PATCHES AND REPAIRS IN ACCORDANCE WITH THE FDOT STANDARD DETAIL INDEX 125-001, CURRENT EDITION. IN ADDITION, CONTRACTOR SHALL ENSURE ASPHALT THICKNESS SHALL BE A MINIMUM OF 2" AND THE BASE THICKNESS SHALL BE A MINIMUM OF 8". CONTRACTOR SHALL MILL A MINIMUM OF 25' ON BOTH SIDES OF THE UTILITY TRENCH PLUS 4' FOR A MINIMUM WIDTH OF 50'. THE OVERLAY SHALL BE COMPLETED IN A SINGLE LIFT.

STORMWATER FACILITY EXCAVATION

1. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS OR ELEVATIONS SHOWN ON THE DRAWINGS UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL OR LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS OR ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS OR ELEVATIONS, EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA AND THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY. A MODIFICATION OF THE PROJECT'S NWFWMD ENVIRONMENTAL RESOURCE PERMIT (ERP) SHALL BE REQUIRED FOR EXCAVATIONS DEEPER THAN THOSE SHOWN ON THE APPROVED PLANS AND PERMIT.
2. THE ENGINEER SHALL BE CONTACTED PRIOR TO ANY EXCAVATION OF CLAYS. IN THE ABSENCE OF ANY CONFINING OR SEMI-CONFINING UNIT CLAYEY SOILS, A MINIMUM OF 5-FEET OF UNDISTURBED SOILS SHALL REMAIN ABOVE THE UNDERLYING LIMESTONE.

UTILITIES

1. ALL SANITARY SEWER MANHOLES TO BE CONSTRUCTED IN UNPAVED AREAS SHALL HAVE WATERTIGHT RING AND COVER UNLESS OTHERWISE NOTED.
2. THE LOCATIONS AND ELEVATION OF ALL SERVICE LINES ARE TO BE DETERMINED IN THE FIELD BY THE OWNER AND CONTRACTOR PRIOR TO CONSTRUCTION OF SAME.
3. ALL UTILITY MAINS AND FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR-CODED OR MARKED IN ACCORDANCE WITH THE LATEST VERSION OF FLORIDA ADMINISTRATIVE CODES.
4. UTILITY CONFLICTS SHALL BE RESOLVED IN CONFORMANCE TO FDOT, FDEP, AND LOCAL PUBLIC WORKS STANDARDS HAVING JURISDICTION OVER THE PROJECT.
5. FORCEMAIN DEPTH OF COVER SHALL NOT BE LESS THAN 48-INCHES UNLESS APPROVED BY THE ENGINEER.
6. WATER MAINS SHALL HAVE A MINIMUM OF 36" COVER UNLESS APPROVED BY THE ENGINEER.
7. BENDS SHALL BE INSTALLED IN THE FORCEMAIN AND WATER MAIN TO AVOID UNFORESEEN CONFLICTS IN EXISTING OR PROPOSED STRUCTURES.
8. THE JOINT DEFLECTION METHOD SHALL BE USED WHERE PRACTICAL IN LIEU OF INSTALLING BENDS.
9. FIRE HYDRANT, GATE VALVE, AIR RELEASE VALVE, AND BLOW-OFF VALVE ASSEMBLIES SHALL CONSIST OF ALL PIPE, VALVES, TEES, FITTINGS, AND ANY OTHER APPURTENANCES COMPRISING A COMPLETE, WORKING UNIT.
10. THE LOCATION OF NEW FIRE HYDRANTS SHALL BE IDENTIFIED WITH A BLUE REFLECTIVE PAVEMENT MARKER INSTALLED ON THE ROADWAY. THE REFLECTIVE MARKER SHALL BE LOCATED PERPENDICULAR TO THE HYDRANT, IN THE CENTER OF THE LANE CLOSEST TO THE HYDRANT.
11. ON BOTH WATER AND SEWER TAPS, CONTRACTOR SHALL FURNISH AND INSTALL TAPPING SLEEVE AND VALVE AND ALL APPURTENANCES NECESSARY FOR CONSTRUCTION OF TAP UNLESS OTHERWISE DIRECTED.
12. ALL VALVE BOX ASSEMBLIES LOCATED WITHIN ROADWAYS OR PARKING AREAS SHALL BE PROTECTED FROM TRUCK TRAFFIC BY USE OF 6" THICK REINFORCED CONCRETE PADS POURED AROUND VALVE BOXES (SEE DETAIL).
13. VALVE BOXES SHALL NOT BE CONSTRUCTED IN CURBS, SIDEWALK RAMPS, OR DRIVEWAYS.
14. ALL VALVE BOXES SHALL BE INSTALLED PER THE DETAIL SHOWN. PRE-CAST VALVE PADS SHALL NOT BE USED.
15. ALL WATER AND SANITARY SEWER SERVICE LOCATIONS ARE SHOWN GRAPHICALLY FOR PLANNING PURPOSES ONLY. COORDINATE WITH UTILITY AUTHORITY FOR FINAL PLACEMENT LOCATION.
16. THE CONTRACTOR SHALL COORDINATE ANY SHUTDOWN OF THE EXISTING UTILITIES WITH UTILITY AUTHORITY.
17. ALL NON-METALLIC PIPES SHALL BE INSTALLED WITH 10-GAUGE COPPER TRACER WIRE.
18. ALL UTILITY MAINS SHALL BE INSTALLED ACCORDING TO ENGINEERING PLANS AND SPECIFICATIONS.
19. ALL VALVES AND



STATE OF FLORIDA E&SC DESIGNER & REVIEWER MANUAL; LATEST EDITION: JULY 2013

Figure V-10: Illustration of an Inlet Insert Sediment Containment System

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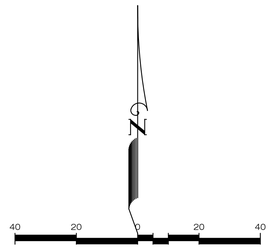
Figure V-3: Illustration of Silt Fence Priority 2 – Black Band



LEGEND

EXISTING	PROPOSED	
		DEMOLITION AREA
63	65.00	CONTOUR
		DIRECTION OF SURFACE FLOW
		STAKED EROSION CONTROL
ZONE A		FEMA FLOOD ZONE BOUNDARY
82.0		BASE FLOOD ELEVATION (FT)
15' BUFFER		WETLAND LINE 15' BUFFER FROM WETLAND LINE
		WETLAND AREAS

DEMOLITION NOTES

1. CONTRACTOR SHALL REMOVE EXISTING SITE IMPROVEMENTS AS INDICATED ON THE PLANS INCLUDING BUT NOT LIMITED TO: SIDEWALKS, ASPHALT PAVEMENT, CURB AND GUTTER, STORM DRAINAGE STRUCTURES, PIPE, UTILITIES, FENCING, SIGNS, AND LANDSCAPING AS REQUIRED FOR CONSTRUCTION OF THE BUILDING EXPANSION.
2. THE LIBRARY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION EXCEPT DURING COORDINATED CLOSURES. CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS AND COORDINATE ALL CLOSURES WITH THE OWNER AT LEAST 72 HOURS IN ADVANCE.
3. CONTRACTOR SHALL INSTALL AND MAINTAIN A 6' MINIMUM HEIGHT TEMPORARY CONSTRUCTION FENCE AROUND ACTIVE CONSTRUCTION AREAS TO MAINTAIN SITE SAFETY AND PREVENT UNAUTHORIZED ACCESS.
4. CONTRACTOR SHALL MAINTAIN CLEAR AND SAFE PEDESTRIAN ROUTES TO THE LIBRARY ENTRANCE OUTSIDE OF FENCED CONSTRUCTION ZONES.
5. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE DAILY. NO STOCKPILING OR BURNING OF MATERIALS IS PERMITTED ON SITE. DISPOSAL SHALL BE AT A LEGAL OFF-SITE LOCATION.
6. CONTRACTOR SHALL FIELD-VERIFY THE LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION. CALL 811 FOR UTILITY LOCATES AT LEAST 72 HOURS BEFORE DIGGING.
7. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN. DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND UTILITY PROVIDER.
8. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO START OF DEMOLITION. REFER TO THE EROSION CONTROL PLAN FOR DETAILS.
9. CONTRACTOR SHALL PREVENT TRACKING OF MUD OR DEBRIS ONTO PUBLIC STREETS. SWEEPING SHALL BE PERFORMED DAILY OR AS NEEDED TO MAINTAIN CLEANLINESS.
10. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO TREES, STRUCTURES, AND IMPROVEMENTS OUTSIDE THE LIMITS OF DEMOLITION.
11. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA STANDARDS, LOCAL CODES, AND PROJECT SPECIFICATIONS.
12. CONTRACTOR SHALL COORDINATE WITH OWNER AND ENGINEER TO VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY.
13. CONTRACTOR SHALL NOT BEGIN DEMOLITION UNTIL ALL PERMITS, APPROVALS, AND UTILITY DISCONNECTS ARE OBTAINED.
14. SALVAGEABLE MATERIALS DESIGNATED BY THE OWNER SHALL BE PROTECTED AND DELIVERED TO A LOCATION SPECIFIED BY THE OWNER.
15. CONTRACTOR SHALL VERIFY THAT ALL DEMOLITION WORK IS COMPLETE AND SITE IS CLEAN PRIOR TO REQUESTING INSPECTION OR PROCEEDING WITH NEW CONSTRUCTION.

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WASHINGTON COUNTY

WASHINGTON COUNTY LIBRARY

Washington County Public Library

1444 W JACKSON AVE.
CHIPLEY, FL 32428

REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

DEMOLITION & EROSION CONTROL PLAN

C003

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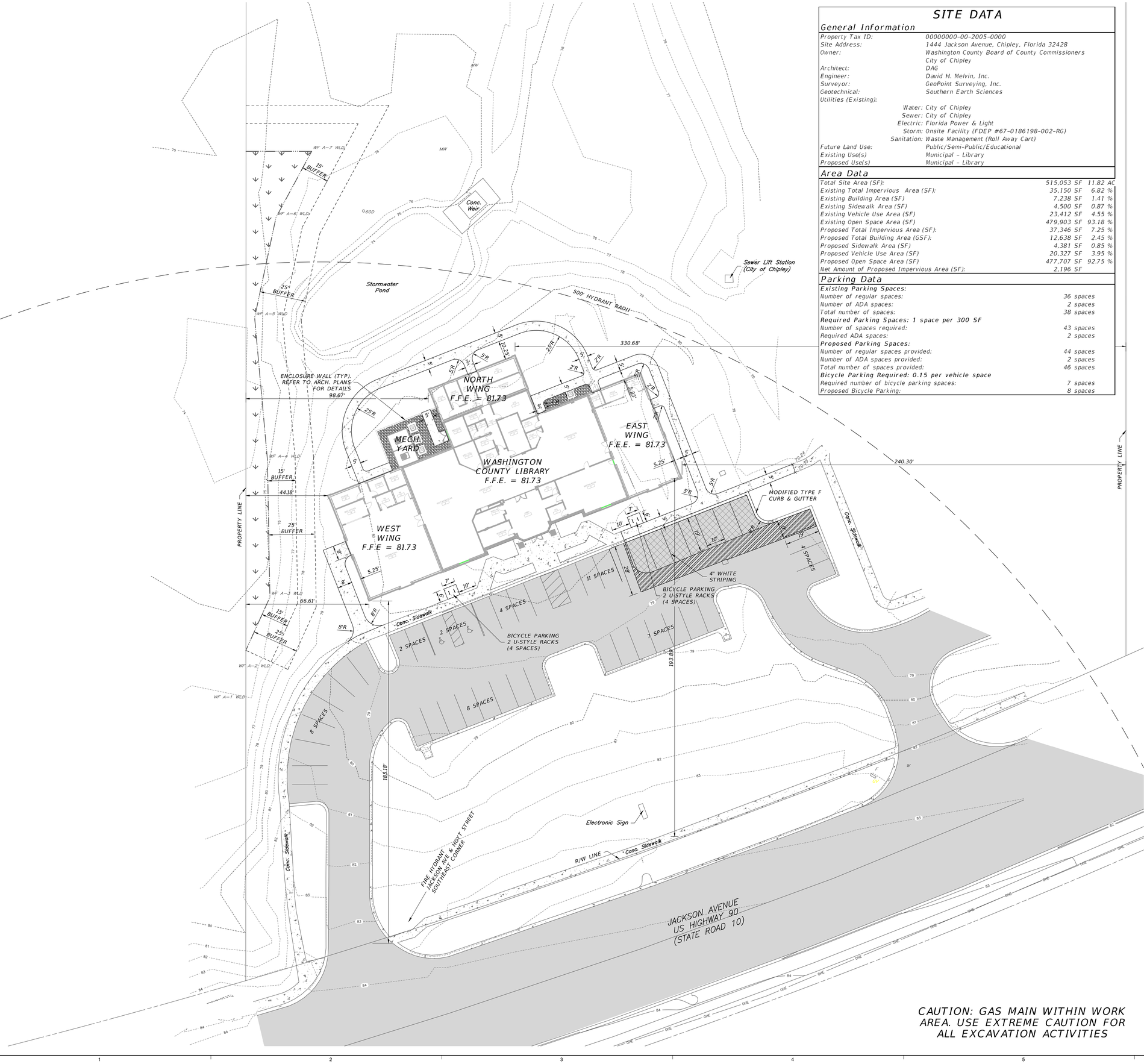

SITE DATA

General Information

Property Tax ID:	00000000-00-2005-0000
Site Address:	1444 Jackson Avenue, Chipley, Florida 32428
Owner:	Washington County Board of County Commissioners City of Chipley
Architect:	DAG
Engineer:	David H. Melvin, Inc.
Surveyor:	GeoPoint Surveying, Inc.
Geotechnical:	Southern Earth Sciences
Utilities (Existing):	
Water:	City of Chipley
Sewer:	City of Chipley
Electric:	Florida Power & Light
Storm:	Onsite Facility (FDEP #67-0186198-002-RG)
Sanitation:	Waste Management (Roll Away Cart)
Future Land Use:	Public/Semi-Public/Educational
Existing Use(s)	Municipal - Library
Proposed Use(s)	Municipal - Library

Area Data

Total Site Area (SF):	515,053 SF	11.82 AC
Existing Total Impervious Area (SF):	35,150 SF	6.82 %
Existing Building Area (SF)	7,238 SF	1.41 %
Existing Sidewalk Area (SF)	4,500 SF	0.87 %
Existing Vehicle Use Area (SF)	23,412 SF	4.55 %
Existing Open Space Area (SF)	479,903 SF	93.18 %
Proposed Total Impervious Area (SF):	37,346 SF	7.25 %
Proposed Total Building Area (GSF):	12,638 SF	2.45 %
Proposed Sidewalk Area (SF)	4,381 SF	0.85 %
Proposed Vehicle Use Area (SF)	20,327 SF	3.95 %
Proposed Open Space Area (SF)	477,707 SF	92.75 %
Net Amount of Proposed Impervious Area (SF):	2,196 SF	

Parking Data

Existing Parking Spaces:	
Number of regular spaces:	36 spaces
Number of ADA spaces:	2 spaces
Total number of spaces:	38 spaces
Required Parking Spaces: 1 space per 300 SF	
Number of spaces required:	43 spaces
Required ADA spaces:	2 spaces
Proposed Parking Spaces:	
Number of regular spaces provided:	44 spaces
Number of ADA spaces provided:	2 spaces
Total number of spaces provided:	46 spaces
Bicycle Parking Required: 0.15 per vehicle space	
Required number of bicycle parking spaces:	7 spaces
Proposed Bicycle Parking:	8 spaces

N

40 20 0 20 40

SCALE: 1" = 20'

LEGEND

EXISTING	PROPOSED	
	12	STORM DRAINAGE STRUCTURE & PIPE PIPE SIZE IN INCHES
(10)	(10)	STRUCTURE NO.
x 62.9	65.00	SPOT ELEVATION
	65.00	PROPOSED PROFILE GRADE ELEVATION
63	65.00	CONTOUR
		DIRECTION OF SURFACE FLOW
		STAKED EROSION CONTROL
ZONE A		FEMA FLOOD ZONE BOUNDARY
62.0		BASE FLOOD ELEVATION (FT)
		WETLAND LINE
15' BUFFER		15' BUFFER FROM WETLAND LINE
		WETLAND AREAS
		PROPOSED CONCRETE SIDEWALK
		PROPOSED ASPHALT PAVEMENT (FULL DEPTH)
		PROPOSED MILLING LIMITS (1")

SITE PLAN NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS, UTILITIES, AND PROPERTY LINES IN THE FIELD AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. ALL WORK SHALL CONFORM TO THE CITY OF CHIPLEY LAND DEVELOPMENT REGULATIONS, STANDARD DETAILS, AND CURRENT FDOT CRITERIA WHERE APPLICABLE.
3. LIMITS OF CLEARING AND GRADING SHALL BE AS SHOWN; THE CONTRACTOR SHALL CONFINE OPERATIONS TO THESE AREAS AND PROTECT EXISTING VEGETATION OUTSIDE OF LIMITS.
4. PROVIDE AND MAINTAIN A STABILIZED CONSTRUCTION ENTRANCE PER CITY STANDARDS TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADWAYS. CLEAN ADJACENT STREETS AND PARKING AREAS OF DEBRIS DAILY.
5. TEMPORARY EROSION-AND-SEDIMENT CONTROLS (SILT FENCE, INLET PROTECTION, STABILIZED CONSTRUCTION ENTRANCES) SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE AND MAINTAINED UNTIL FINAL STABILIZATION.
6. STOCKPILE ALL TOPSOIL WITHIN THE DESIGNATED AREA, PROTECT WITH EROSION CONTROLS, AND REUSE FOR LANDSCAPE AND SEEDING AREAS; NO STOCKPILING IN WETLANDS OR FLOODPLAIN.
7. PROTECT ALL EXISTING UTILITIES, PAVEMENT, CURBS, SIDEWALKS, AND LANDSCAPING FROM DAMAGE; REPAIR OR REPLACE DAMAGED ITEMS AT NO COST TO THE OWNER.
8. PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, AND PEDESTRIAN DETOURS IN PUBLIC RIGHT-OF-WAY TO MAINTAIN ACCESS TO THE FACILITY AS REQUIRED BY THE CITY OF CHIPLEY AND FDOT TRAFFIC CONTROL STANDARDS.
9. COORDINATE ALL UTILITY SHUT-OFFS TIE-INS AND CONNECTIONS WITH THE ENGINEER; SUBMIT PROPOSED SHUTDOWN SCHEDULES TO THE ENGINEER FOR APPROVAL AT LEAST 7 DAYS IN ADVANCE.
10. CONFINE EQUIPMENT STORAGE, STOCKPILES, AND CONTRACTOR PARKING TO THE AREAS SHOWN; DO NOT BLOCK FIRE LANES OR IMPEDE EMERGENCY ACCESS.
11. ALL DISTURBED AREAS SHALL BE FINE-GRADED, MULCHED, SEEDED, OR SODDED WITHIN 14 DAYS OF FINAL GRADING.
12. CONCRETE WORK (PAVEMENT, SIDEWALKS, CURBS, GUTTERS) SHALL CONFORM TO FDOT STANDARD PLANS AND CITY OF CHIPLEY STANDARD DETAILS; PROVIDE AIR-ENTRAINED CONCRETE IN ALL EXTERIOR APPLICATIONS.
13. CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL BUILDING INSPECTIONS WITH THE WASHINGTON COUNTY BUILDING DEPARTMENT; DO NOT COVER WORK WITHOUT APPROVED INSPECTION.
14. UPON COMPLETION, SUBMIT CERTIFIED "AS-BUILT" PLANS PREPARED BY A FLORIDA PROFESSIONAL SURVEYOR IN BOTH PDF AND AUTOCAD FORMATS FOR REVIEW BY THE ENGINEER

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WASHINGTON COUNTY

WASHINGTON COUNTY LIBRARY

Washington County Public Library

1444 W JACKSON AVE.
CHIPLEY, FL 32428

REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

SITE PLAN

C004

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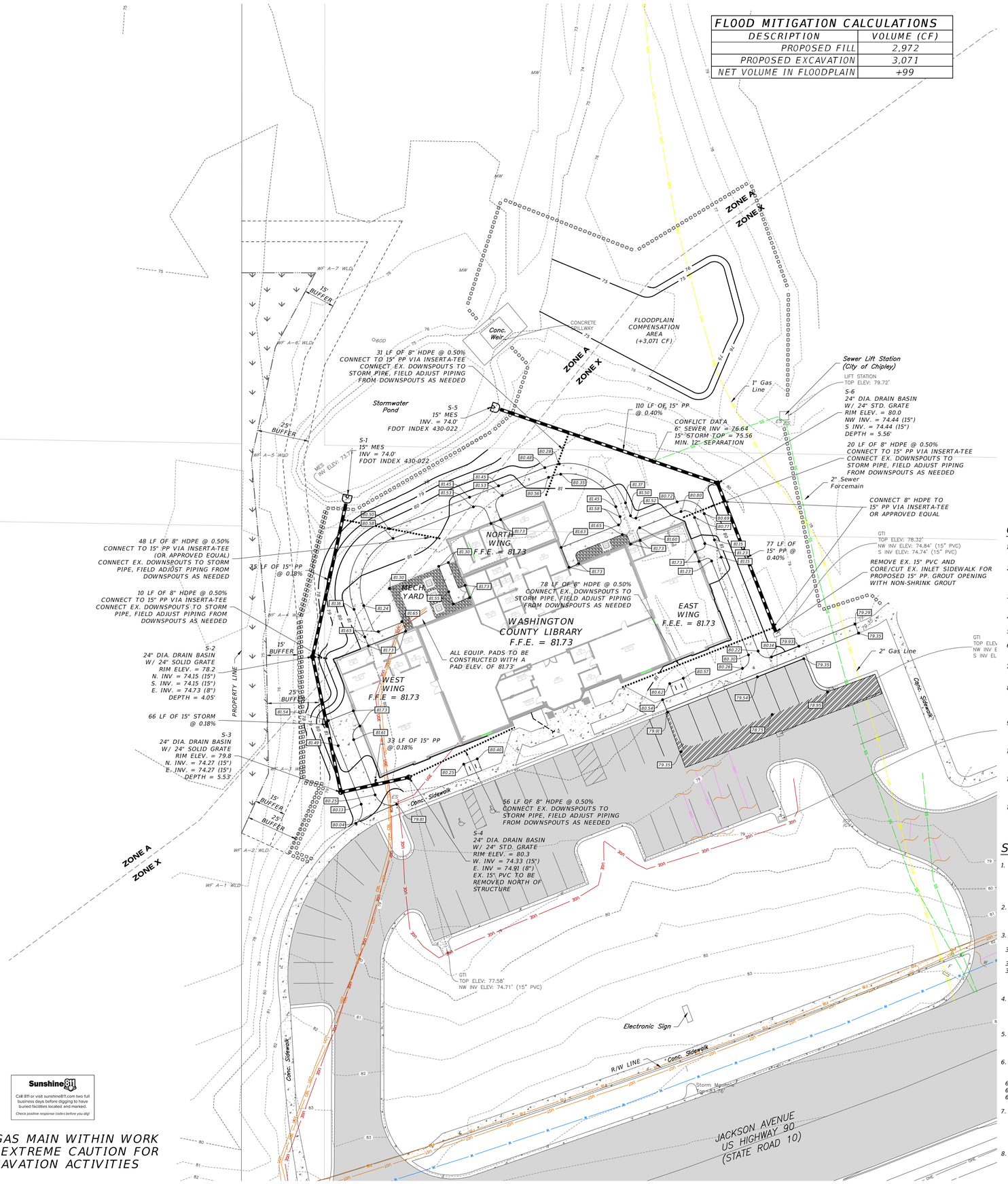
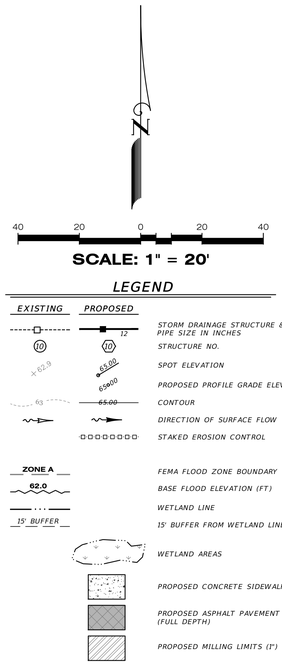
FLOOD MITIGATION CALCULATIONS	
DESCRIPTION	VOLUME (CF)
PROPOSED FILL	2,972
PROPOSED EXCAVATION	3,071
NET VOLUME IN FLOODPLAIN	+99





GRADING & DRAINAGE NOTES

1. ALL FINISH GRADES SHALL CONFORM TO THE ELEVATIONS SHOWN; PROVIDE A MAXIMUM TOLERANCE OF ±0.1 FT AND MATCH ADJOINING EXISTING GRADES SMOOTHLY.
2. PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM BUILDING FOUNDATIONS AT A MINIMUM SLOPE OF 1 PERCENT (1 FT PER 100 FT) FOR THE FIRST 10 FT BEYOND THE BUILDING PERIMETER.
3. GRADING SHALL ENSURE NO PONDING OF SURFACE WATER; LOW POINTS SHALL BE AVOIDED AND SWALES DIRECTED TOWARD DESIGNATED INLETS OR STORMWATER CONVEYANCES.
4. INSTALL ALL STORM DRAINAGE STRUCTURES, PIPING, AND APPURTENANCES PER THESE PLANS AND DETAILS
5. BEDDING AND BACKFILL FOR STORM PIPING SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS. .
6. PROVIDE RIPRAP ENERGY DISSIPATORS AT OUTLET ENDS OF ALL CONCENTRATED FLOW PIPES; RIPRAP SHALL BE CLASS II STONE PER FDOT SPECIFICATIONS.
7. INSTALL INLET PROTECTION DEVICES (E.G., FILTER FABRIC SACKS OR GRAVEL DIAPHRAGMS) PRIOR TO ANY GRADING AND MAINTAIN UNTIL FINAL STABILIZATION.
8. EROSION AND SEDIMENT CONTROLS SHALL COMPLY WITH THE APPROVED SWPPP AND FLORIDA EROSION CONTROL CERTIFICATION REQUIREMENTS; MAINTAIN SILT FENCE, SEDIMENT BASINS, AND STABILIZED CONSTRUCTION ENTRANCES THROUGHOUT CONSTRUCTION.
9. PROTECT ALL EXISTING STORM STRUCTURES, CULVERTS, AND UTILITIES DURING CONSTRUCTION; ANY DAMAGED FACILITIES SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
10. ALL ROOF LEADERS, DOWNSPOUTS, AND SPLASH BLOCKS SHALL DISCHARGE TO A STABILIZED OUTLET OR CONNECT TO THE STORM DRAINAGE SYSTEM; NO CONCENTRATED DISCHARGE ONTO BARE SOILS.
11. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING PIPES AND UTILITIES IN THE FIELD PRIOR TO PIPE INSTALLATION; DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
12. UPON COMPLETION, SUBMIT "AS-BUILT" COMPLETED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR IN BOTH HARD-COPY AND AUTOCAD FORMATS FOR ENGINEER'S REVIEW.

SITE PREPARATION NOTES

1. CONTRACTOR SHALL REVIEW, BE FAMILIAR WITH, AND COMPLY FULLY WITH ALL RECOMMENDATIONS IN THE "P25-018 GEOTECHNICAL REPORT – CHIPLEY LIBRARY EXPANSION PROJECT," SOUTHERN EARTH SCIENCES, INC., DATED MAY 2, 2025, PROJECT NO. P25-018, AND IS RESPONSIBLE FOR EXECUTING ALL WORK IN ACCORDANCE WITH THAT REPORT.
2. CLEAR AND GRUB ALL TOPSOIL, ORGANICS, AND DELETERIOUS MATERIALS WITHIN THE BUILDING FOOTPRINT AND EXTEND 5 FT BEYOND THE PERIMETER; ORGANICS ENCOUNTERED IN TOP 6-12 IN. SHALL BE REMOVED.
3. AFTER GRUBBING, MOISTURE-CONDITION AND COMPACT EXISTING SOILS TO 95 % OF MODIFIED PROCTOR (ASTM D-1557):
   - 3.1. EAST AND WEST WINGS: COMPACT TO 1 FT BELOW EXISTING GRADE
   - 3.2. NORTH WING: COMPACT TO 2 FT BELOW EXISTING GRADE
   - 3.3. USE STATIC-WEIGHT ROLLERS ONLY; NO VIBRATORY COMPACTION WITHIN 50 FT OF EXISTING BUILDINGS; WITHIN 5 FT OF FOUNDATIONS USE HAND-OPERATED EQUIPMENT ONLY (E.G., SLED TAMPS, JUMPING JACKS).
4. FOR ANY FILL REQUIRED TO BRING TO FINISHED GRADE, USE NON-PLASTIC SANDS TO CLAYEY SANDS WITH ≤ 15 % PASSING NO. 200 SIEVE, FREE OF ORGANICS, CLAY BALLS, AND RUBBLE; PLACE IN ≤ 12 IN. LIFTS AND COMPACT EACH LIFT TO 95 % MODIFIED PROCTOR.
5. UPON EXCAVATING FOOTINGS, COMPACT FOOTING BOTTOMS TO 95 % MODIFIED PROCTOR TO A DEPTH OF 1 FT BELOW FOOTING BOTTOM; WITHIN FOOTING TRENCHES NEAR EXISTING BUILDINGS, USE HAND COMPACTION ONLY.
6. PERFORM MOISTURE-DENSITY TESTS (PROCTORS) AND IN-PLACE DENSITY TESTS TO VERIFY COMPACTION AT THE FOLLOWING FREQUENCIES:
   - 6.1. 1 TEST PER 50 LF OF WALL FOOTING
   - 6.2. 1 TEST PER COLUMN FOOTING
   - 6.3. 1 TEST PER 1,000 SF OF EXISTING SOILS AND PER EACH FOOT OF FILL SOILS
7. IN PAVEMENT AREAS (E.G., TEST LOCATION P-1), REMOVE ORGANIC AND PLASTIC CLAY LAYERS TO ~3 FT BELOW SURFACE; REPLACE WITH SUITABLE FILL SOILS (AS ABOVE), COMPACT SUBGRADE TO 95 % MODIFIED PROCTOR (AASHTO T-180) TO 12 IN. DEPTH, STABILIZE TOP 12 IN. TO LBR 40; VIBRATORY ROLLER PERMITTED ONLY IF ≥ 50 FT FROM STRUCTURES AND GROUNDWATER IS DEEPER THAN 2 FT.
8. VERIFY GROUNDWATER DEPTHS IMMEDIATELY BEFORE EXCAVATION; OBSERVED SEASONAL HIGH AT APPROXIMATELY 3.0 FT ± 0.5 FT BGS (MEASURED 3.3-4.9 FT BGS); DEWATERING MAY BE REQUIRED. CONTRACTOR SHALL BE REQUIRED TO PREPARE, SUBMIT, AND COMPLY WITH ANY DEWATERING PERMIT(S) REQUIRED

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Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

CAUTION: GAS MAIN WITHIN WORK AREA. USE EXTREME CAUTION FOR ALL EXCAVATION ACTIVITIES

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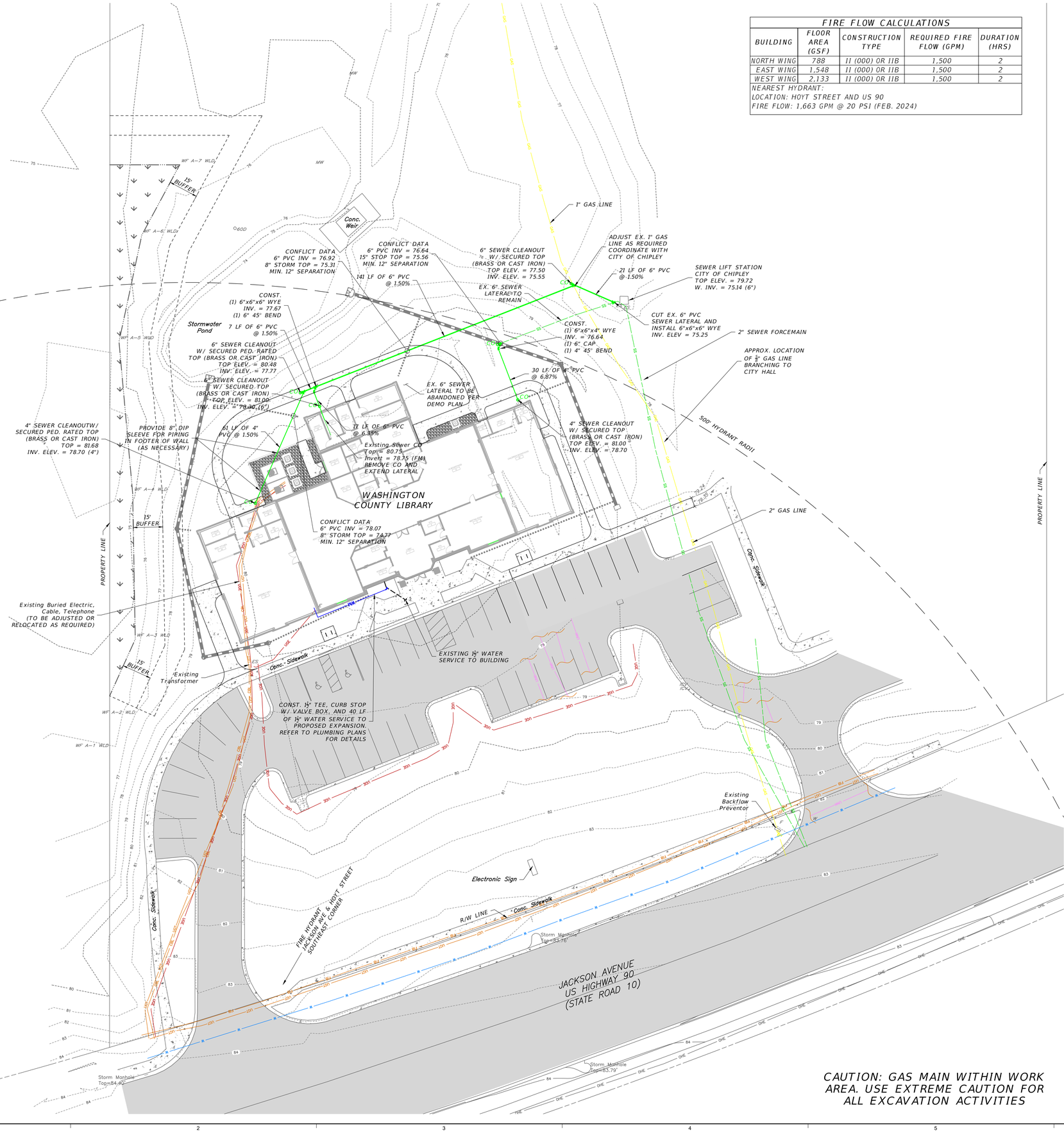
GRADING & DRAINAGE PLAN

C005

FIRE FLOW CALCULATIONS				
BUILDING	FLOOR AREA (GSF)	CONSTRUCTION TYPE	REQUIRED FIRE FLOW (GPM)	DURATION (HRS)
NORTH WING	788	II (000) OR IIB	1,500	2
EAST WING	1,548	II (000) OR IIB	1,500	2
WEST WING	2,133	II (000) OR IIB	1,500	2
NEAREST HYDRANT: LOCATION: HOYT STREET AND US 90 FIRE FLOW: 1,663 GPM @ 20 PSI (FEB. 2024)				



CAUTION: GAS MAIN WITHIN WORK AREA. USE EXTREME CAUTION FOR ALL EXCAVATION ACTIVITIES

40 20 0 20 40

SCALE: 1" = 20'

LEGEND

EXISTING	PROPOSED	
		WATER MAIN (WM)
		FIRE HYDRANT
		VALVE & BOX
		REDUCER
		PLUG
		BLOW-OFF
		BENDS
		VERTICAL BENDS
		DUAL SERVICE (WM) NEAR SIDE
		SINGLE SERVICE (WM) NEAR SIDE 1 LOT
		SINGLE SERVICE (WM) NEAR SIDE 2 LOTS
		* SINGLE SERVICE (WM) FAR SIDE W/SERVICE CASING
		* DUAL SERVICE (WM) FAR SIDE W/SERVICE CASING
		WATER SERVICE W/VALVE
	WM#	* 2" SERVICE ASSEMBLY
	WDSP	WATER DISTRIBUTION SAMPLING POINT
	RS-A	* IRRIGATION SERVICE
A2	A2	SANITARY SEWER (SM)
		SINGLE SANITARY SERVICE
		DOUBLE SANITARY SERVICE
	THM CO INV	6" SANITARY SERVICE TO TOWNHOME
		SANITARY FORCE MAIN (FM)
		RECLAIMED MAIN (RM)
		2" SERVICE ASSEMBLY (RM)
		DUAL SERVICE (RM) NEAR SIDE
		SINGLE SERVICE (RM) NEAR SIDE
		* SINGLE SERVICE (RM) FAR SIDE W/SERVICE CASING
		* DUAL SERVICE (RM) FAR SIDE W/SERVICE CASING

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES IN THE FIELD AND NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO TRENCHING.
2. ALL WORK SHALL CONFORM TO THE THESE PLANS AND ANY APPLICABLE CITY OF CHIPLEY STANDARDS, FLORIDA BUILDING CODE, AND ANSI/AWWA AND ASTM SPECIFICATIONS FOR PIPE AND FITTINGS.
3. PROVIDE A MINIMUM COVER OF 36 IN. OVER THE CROWN OF WATER SERVICES AND 36 IN. OVER THE CROWN OF SEWER LATERALS UNLESS OTHERWISE SHOWN.
4. TRENCH EXCAVATION AND BACKFILL SHALL COMPLY WITH THESE PLANS AND APPLICABLE FDOT STANDARD SPECIFICATIONS; MAINTAIN TRENCH WIDTH TO ALLOW PROPER COMPACTION AND INSTALLATION OF PIPING AND EMBEDMENT.
5. PIPE BEDDING SHALL CONSIST OF GRANULAR MATERIAL (NO. 57 STONE OR PEA GRAVEL) TO A MIN. DEPTH OF 4 IN. BELOW PIPE AND 6 IN. ABOVE SPRINGLINE; COMPACT TO 95 % STANDARD PROCTOR IN MAXIMUM 8-IN. LIFTS.
6. INSTALL WATER SERVICE LINES WITH PER PLUMBING PLANS, PROVIDE ANY NECESSARY CORPORATION STOP AT MAIN, CURB STOP AT PROPERTY LINE, AND SERVICE SADDLE/CLAMP PER AWWA STANDARDS.
7. INSTALL SEWER LATERALS OF PVC SDR-26 AS SHOWN, WITH AN ACCESSIBLE CLEANOUT AS SHOWN; SLOPE LATERALS AT 1.5% MINIMUM.
8. PERFORM HYDROSTATIC PRESSURE TEST ON WATER MAINS (150 PSI FOR 2 HOURS) AND LOW-PRESSURE AIR TEST ON SEWER LATERALS (4 PSI FOR 15 MINUTES) IN ACCORDANCE WITH FDEP GUIDELINES; PROVIDE TEST REPORTS TO ENGINEER.
9. DISINFECT WATER AND SERVICES BY CHLORINATION (50 MG/L CHLORINE RESIDUAL FOR 24 HOURS), THEN FLUSH UNTIL CHLORINE RESIDUAL IS <1 MG/L; SUBMIT BACTERIOLOGICAL TEST RESULTS FROM A STATE-CERTIFIED LAB.
10. PROTECT ADJACENT PAVEMENTS, SIDEWALKS, AND STRUCTURES DURING EXCAVATION; RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION THAN EXISTING.
11. MAINTAIN EXISTING SERVICE TO OCCUPIED BUILDINGS; COORDINATE ANY SHUTDOWNS WITH THE UTILITY DEPARTMENT AT LEAST 7 DAYS IN ADVANCE AND PROVIDE TEMPORARY SERVICE IF REQUESTED.
12. INSTALL TEMPORARY TRENCH PAVING OR COLD-PATCH ASPHALT OVER OPEN TRENCHES IN PUBLIC ROADWAYS AND PARKING LOT AT THE END OF EACH WORKDAY; PERMANENT PAVEMENT REPAIRS SHALL CONFORM TO FDOT STANDARDS
13. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO INSPECTION BY WASHINGTON COUNTY BUILDING DEPARTMENT AND THE CITY OF CHIPLEY ; DO NOT COVER OR BACKFILL WITHOUT APPROVED INSPECTION.
14. SUBMIT "AS-BUILT" UTILITY PLANS SHOWING INVERT/ELEVATION DATA, SERVICE LOCATIONS, AND MATERIAL TYPES IN BOTH PDF AND AUTOCAD FORMATS UPON COMPLETION.

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

UTILITY PLAN

C006

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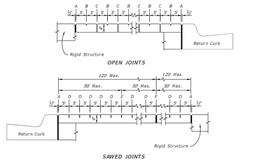
GENERAL NOTES:

1. Construct sidewalks in accordance with Specification 522. Use 6" concrete for Sidewalks and Curb Ramps Located within Curb Returns (See Plan View). Install at other concrete with thickness as shown, unless otherwise detailed in the Plans.
2. Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.
3. For Driveways see Index 522-001.
4. Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils and not more than 1/2".
5. Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pile Guiderail shown in the plans. (See RAIL(10) DETAIL)



LEGEND:

A- ½" Expansion Joints (Preformed Joint Filler) between the sidewalk and; driveways, sidewalk-intersections, and all other Fixed objects (e.g. drainage inlets and utility poles).

B- ½" Dummy Joints, Tooled

C- ¼" Formed Open Joints

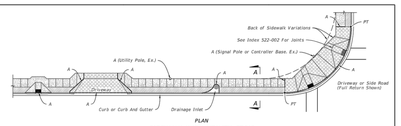
D- ¾" Saw Cut Joints, 1½' Deep (within 96 hours) Max. 5' Centers

E- ¾" Saw Cut Joints, 1½' Deep (within 12 hours) Max. 30' Centers Jamb(s) Required When Length Exceeds 30'

F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

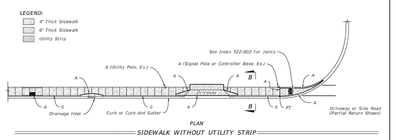
G- Cold Joint With Bond Breaker, Tooled

SIDEWALK JOINTS

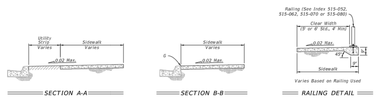


SIDEWALK WITH UTILITY STRIP

LEGEND:
- 7' Thick Sidewalk
- 6" Thick Sidewalk
- Utility Strip

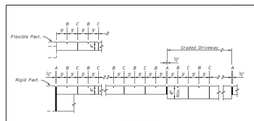


SIDEWALK WITHOUT UTILITY STRIP



GENERAL NOTES AND CONCRETE SIDEWALK ON CURBED ROADWAYS

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	CONCRETE SIDEWALK	INDEX	SHEET
11/01/18					522-001	1 of 2



LEGEND:

A- ½" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other Fixed objects (e.g. drainage inlets and utility poles).

B- ½" Dummy Joints, Tooled

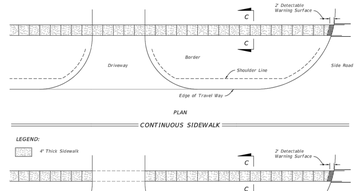
C- ¼" Formed Open Joints

D- ¾" Saw Cut Joints, 1½' Deep (within 96 hours) Max. 5' Centers

E- ¾" Saw Cut Joints, 1½' Deep (within 12 hours) Max. 30' Centers Jamb(s) Required When Length Exceeds 30'

F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

SIDEWALK JOINTS



CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS

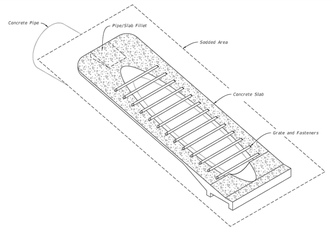
LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	CONCRETE SIDEWALK	INDEX	SHEET
11/01/18					522-001	2 of 2

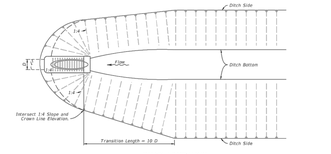
GENERAL NOTES:

1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of side drain pipe; corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe; and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When the mitered end section pipe is dissimilar to the main pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001 or use manufacturer approved coupler.
2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinyl-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated metal mitered end sections, make connection using a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-003.
3. Use class RS concrete cast-in-place reinforced slabs for all cross drain pipes.
4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.
5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.
6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have interparallel axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.
7. Saddle Slope:
   - 1:4 Miter - Slope to ¾ of pipe for round pipes less than or equal to 18" diameter and 1:3 for round pipes greater than or equal to 24" diameter. Slope to the major axis for elliptical pipes 24"x38" or smaller and 1:2 for pipes 29"x45" or larger. Slope to the span line for pipe arch 28"x20" or smaller and 1:3 for pipe arch 33"x24" or larger.
   - 1:2 Miter - Slope to ¾ of pipe for round pipes less than or equal to 18"diameter and 1:2 for round pipes greater than or equal to 24" diameter. Slope to the major axis for elliptical pipes 29"x45" or smaller and 1:1 for pipes 34"x53" or larger. Slope 1:1 for all pipe arch sizes.
8. Quantities shown are for estimating purposes only.

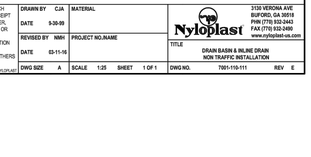
TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Single and Multiple Concrete Pipe
3	Concrete Pipe Dimensions and Quantities and Permissible Pavement Modification
4	Single and Multiple Corrugated Metal Pipe
5	Corrugated Metal Dimensions and Quantities
6	Concrete Pipe Connection and Corrugated Metal Pipe Anchor Details
7	Fastener Unit and Grate Details





LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/23					430-022	1 of 7



ROUND CONCRETE PIPE
(Elliptical Pipe Similar)

SINGLE AND MULTIPLE CONCRETE PIPE

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/18					430-022	2 of 7

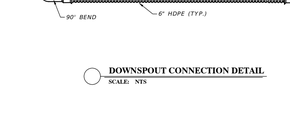
SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

Dia.	Pipe Area	Wall Thick	Span	A	B	C	E	F	G	H	W SINGLE SIZE: Single Pipe	Double Pipe	Triple Pipe	Quad Pipe	N	7' CONC. SLAB (CY): STANDARD WEIGHT PIPE	EXTRA STRONG PIPE	Single Pipe	Double Pipe	Triple Pipe	Quad Pipe	5000DW (SY): Single Pipe	Double Pipe	Triple Pipe	Quad Pipe
12"	1.00	1"	1'-0"	2'-0"	4'-0"	6'-0"	4'-0"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
15"	1.25	1"	1'-3"	2'-3"	4'-3"	6'-3"	4'-3"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
18"	1.50	1"	1'-6"	2'-6"	4'-6"	6'-6"	4'-6"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
24"	2.00	1"	2'-0"	3'-0"	5'-0"	7'-0"	5'-0"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
30"	2.50	1"	2'-6"	3'-6"	5'-6"	7'-6"	5'-6"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
36"	3.00	1"	3'-0"	4'-0"	6'-0"	8'-0"	6'-0"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
42"	3.50	1"	3'-6"	4'-6"	6'-6"	8'-6"	6'-6"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
48"	4.00	1"	4'-0"	5'-0"	7'-0"	9'-0"	7'-0"	8"	1'-2"	4.8	4.83	7.33	9.83	12.33	1.54			0.78	1.16	1.54	1.92	8	12	17	22
12"	1.00	2"	1'-0"	2'-0"	4'-0"	6'-0"	4'-0"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
15"	1.25	2"	1'-3"	2'-3"	4'-3"	6'-3"	4'-3"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
18"	1.50	2"	1'-6"	2'-6"	4'-6"	6'-6"	4'-6"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
24"	2.00	2"	2'-0"	3'-0"	5'-0"	7'-0"	5'-0"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
30"	2.50	2"	2'-6"	3'-6"	5'-6"	7'-6"	5'-6"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
36"	3.00	2"	3'-0"	4'-0"	6'-0"	8'-0"	6'-0"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
42"	3.50	2"	3'-6"	4'-6"	6'-6"	8'-6"	6'-6"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22
48"	4.00	2"	4'-0"	5'-0"	7'-0"	9'-0"	7'-0"	8"	1'-2"	4.8	4.98	7.48	9.98	12.48	1.54			0.80	1.19	1.57	1.95	8	12	17	22

↓8.42	↓8.25'	Dimensions permitted to allow use of 8' standard pipe lengths.
↓10.50	↓10.33'	Dimensions permitted to allow use of 12' standard pipe lengths.

CONCRETE PIPE DIMENSIONS AND QUANTITIES AND PERMISSIBLE PAVEMENT MODIFICATION

LAST REVISION	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/19					430-022	3 of 7

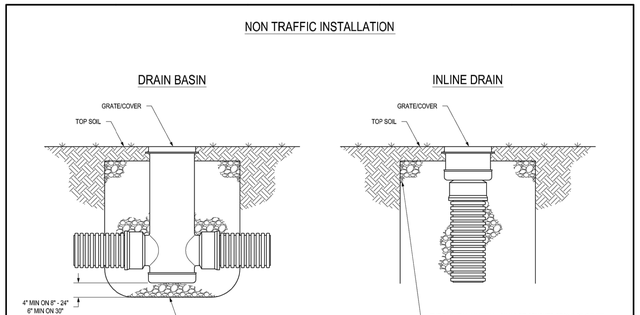


MOD. TYPE "F" CURB & GUTTER
SCALE: NTS

CURB CONSTRUCTION NOTES:

1. CURBS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 520 AND THESE NOTES.
2. PROVIDE ½" CONTRACTION JOINTS AT 10' CENTERS (MAX.) AND NOT LESS THAN 4' IN LENGTH.
3. CONSTRUCT EXPANSION JOINTS AT ALL INLET LOCATIONS, RADIUS POINTS, AND OTHER LOCATIONS AS INDICATED IN THE PLANS, LOCATED THEM AT INTERVALS NOT TO EXCEED 50 FEET BETWEEN OTHER EXPANSION JOINTS OR THE END OF A RUN. JOINTS ARE TO BE MIN. ½" IN WIDTH.
4. PROVIDE A MIN. 2½" COVER FOR ALL CURB REINFORCEMENT.
5. WHEN USED ON THE HIGH SIDE OF ROADWAYS OR PARKING AREAS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT

NON TRAFFIC INSTALLATION



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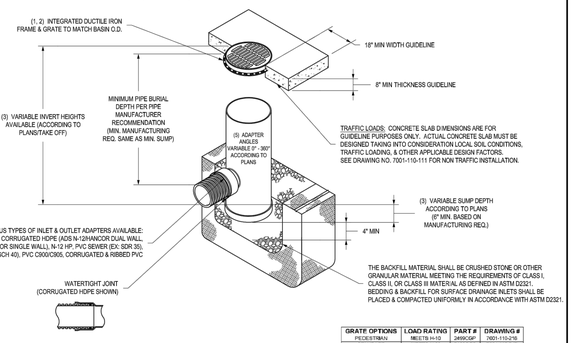
DRAWN BY	CJA	MATERIAL	
DATE	9-30-09		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-11-16		
DWG SIZE	A	SCALE 1:25	SHEET 1 OF 1

Nyloplast
3126 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-3499
www.nyloplast-us.com

TITLE: DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION

DWG NO. 7001-110-111 REV E

NYLOPLAST 24" DRAIN BASIN: 2824AG _ _X



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	2499GRP	7001-110-216
STANDARD	MEETS H-20	2499CGS	7001-110-217
SOLID COVER	MEETS H-20	2499SOS	7001-110-218
DOME	N/A	2499DOS	7001-110-219
DROP IN GRATE	LIGHT DUTY	2427CR	7001-110-075

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 96" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-212.

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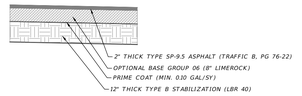
DRAWN BY	EBC	MATERIAL	
DATE	04-03-06		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-14-16		
DWG SIZE	A	SCALE 1:40	SHEET 1 OF 1

ADS Nyloplast
3126 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-3499
www.nyloplast-us.com

TITLE: 24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

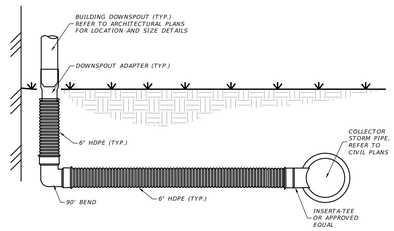
DWG NO. 7001-110-102 REV E



ASPHALT PAVEMENT DETAIL
SCALE: NTS

ASPHALT PAVEMENT NOTES:

1. ALL ASPHALT MIXTURES SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
2. ASPHALT MIX DESIGNS SHALL BE FDOT-APPROVED AND IN ACCORDANCE WITH SECTION 334 (SUPERPAVE ASPHALT CONCRETE MIXTURES).
3. ASPHALT SHALL BE PLACED IN UNIFORM LIFTS AND COMPACTED TO A MINIMUM OF 92% GMM PER FDOT SECTION 330 REQUIREMENTS.
4. ENSURE UNDERLYING BASE OR STRUCTURAL COURSE IS PROPERLY PREPARED AND ACCEPTED PRIOR TO ASPHALT PLACEMENT.
5. CONTRACTOR SHALL PERFORM QUALITY CONTROL TESTING IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 334-6.
6. SURFACE SHALL MEET THE SMOOTHNESS AND CROSS SLOPE TOLERANCES PER FDOT SPECIFICATION SECTION 330-12.



DOWNSPOUT CONNECTION DETAIL
SCALE: NTS

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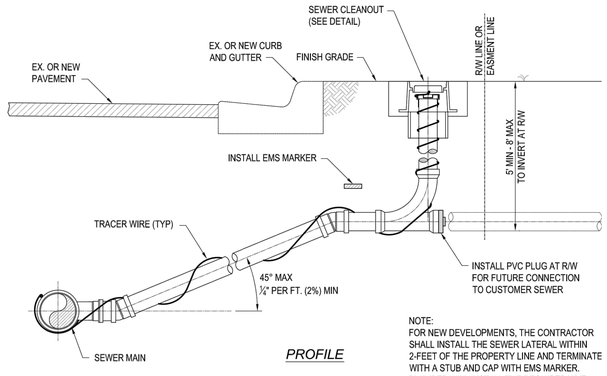
Project Number 25014
Dated 09-16-2025

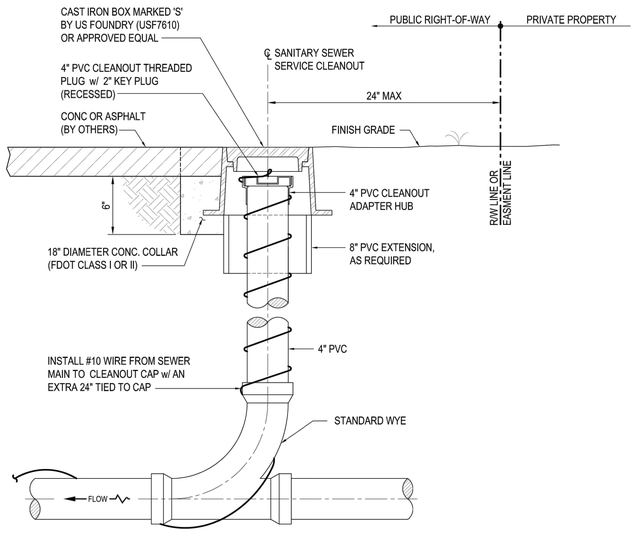
SITE DETAILS

C007

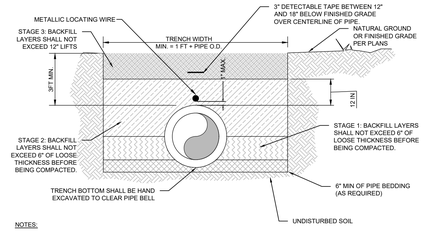


NOTE:
FOR NEW DEVELOPMENTS, THE CONTRACTOR SHALL INSTALL THE SEWER LATERAL WITHIN 2-FEET OF THE PROPERTY LINE AND TERMINATE WITH A STUB AND CAP WITH EMS MARKER. PLUMBER WILL INSTALL THE REQUIRED WYE AND CLEANOUT UPON CONNECTION.

SANITARY SEWER LATERAL
N.T.S.



SANITARY SEWER CLEANOUT
N.T.S.



NOTES:

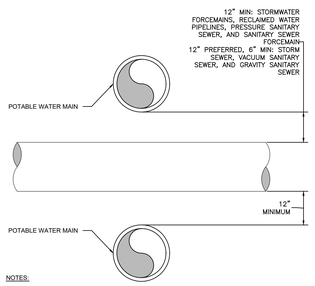
1. TESTING: SEE SPECIFICATION 331001, PART 4.12 FOR TESTING REQUIREMENTS.
2. BEDDING: 6 INCHES BEDDING (MIN) AS REQUIRED. IN THE EVENT UNSUITABLE OR UNSTABLE SOIL IS ENCOUNTERED, REMOVE IT AND REPLACE WITH MATERIAL MEETING AASHTO SOIL CLASSIFICATION A-1, A-2, OR A-3. SEE SPECIFICATION 331001 PART 4.4.
3. STAGE 1: ADEQUATE COMPACTED FILL SHALL BE PLACED ABOVE THE BEDDING MATERIAL AND BENEATH THE HAUNCHES OF THE PIPE. BACKFILL LAYERS SHALL NOT EXCEED 6 INCHES OF LOOSE THICKNESS BEFORE BEING COMPACTED.
4. STAGE 2: BACKFILL LAYERS SHALL NOT EXCEED 6 INCHES OF LOOSE THICKNESS BEFORE BEING COMPACTED. COMPACTION SHALL BE 98% OF THE MAXIMUM DENSITY (AASHTO T-180/ASTM D1557) TO A POINT 1 FT ABOVE THE PIPE (OR AS STATED IN THE SPECIFICATION).
5. STAGE 3: BACKFILL LAYERS SHALL NOT EXCEED 12-INCH LIFTS. COMPACTION SHALL BE 98% OF THE MAXIMUM DENSITY (AASHTO T-180/ASTM D1557) OR AS STATED IN THE SPECIFICATION
6. CROWN TRENCH IN UNIMPROVED AREAS 3" MIN.
7. DETECTABLE TAPE SHALL BE MARKED IN ACCORDANCE WITH ACCOMPANYING UTILITY, SHALL BE INSTALLED DURING PIPE INSTALLATION, AND SHALL NOT BE INSTALLED WITH A TRENCHER.
8. ALL NON-METALLIC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GA COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
9. LOCATING WIRE SHALL TERMINATE AT THE VALVE BOX OR LOCATE STATION AS SHOWN IN THE RESPECTIVE DETAILS.
10. USE DUCT TAPE AS NECESSARY TO HOLD WIRE ON THE TOP OF THE PIPE DURING CONSTRUCTION.
11. ALL SPLICES SHALL BE MADE USING A WATER-TIGHT SEALING METHOD APPROVED BY THE UTILITY AUTHORITY.

UTILITY TRENCH DETAIL
FOR UNIMPROVED AREAS
N.T.S.

NOTES:

1. PREFERRED OFFSETS SHALL BE MAINTAINED. IF CONSTRUCTIBLE. SHOULD FIELD CONDITIONS APPEAR TO PREVENT ANY MINIMUM SEPARATION REQUIREMENTS FROM BEING MAINTAINED. CONSULT ENGINEER OF RECORD PRIOR TO PROCEEDING.
2. 10' MINIMUM OFFSET BETWEEN POTABLE WATER AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM (OSTDS).
3. 3' OFFSET ALLOWED BETWEEN GRAVITY SANITARY SEWER AND POTABLE WATER IF BOTTOM OF WATER IS AT LEAST 6" ABOVE TOP OF GRAVITY SANITARY SEWER.
4. DETAIL IS PROVIDED FOR CONVENIENCE. REFER TO RULE 62-555.314, F.A.C., AND 62-604.400, F.A.C., FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

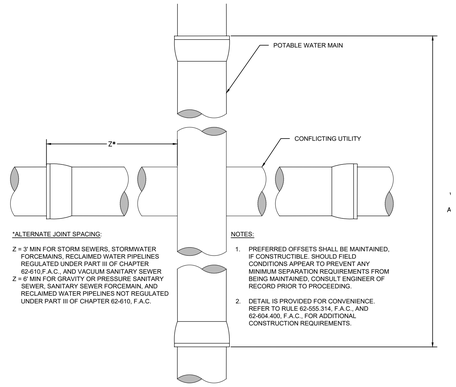
HORIZONTAL SEPARATION
N.T.S.



NOTES:

1. PREFERRED OFFSETS SHALL BE MAINTAINED. IF CONSTRUCTIBLE. SHOULD FIELD CONDITIONS APPEAR TO PREVENT ANY MINIMUM SEPARATION REQUIREMENTS FROM BEING MAINTAINED. CONSULT ENGINEER OF RECORD PRIOR TO PROCEEDING.
2. DETAIL IS PROVIDED FOR CONVENIENCE. REFER TO RULE 62-555.314, F.A.C., AND 62-604.400, F.A.C., FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

VERTICAL SEPARATION - CROSSING
N.T.S.



*ALTERNATE JOINT SPACING:

Z = 3' MIN FOR STORM SEWERS, STORMWATER FORCEMAINS, RECLAIMED WATER PIPELINES REGULATED UNDER PART III OF CHAPTER 62-610,F.A.C., AND VACUUM SANITARY SEWER
Z = 6' MIN FOR GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCEMAIN, AND RECLAIMED WATER PIPELINES NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

NOTES:

1. PREFERRED OFFSETS SHALL BE MAINTAINED, IF CONSTRUCTIBLE. SHOULD FIELD CONDITIONS APPEAR TO PREVENT ANY MINIMUM SEPARATION REQUIREMENTS FROM BEING MAINTAINED, CONSULT ENGINEER OF RECORD PRIOR TO PROCEEDING.
2. DETAIL IS PROVIDED FOR CONVENIENCE. REFER TO RULE 62-555.314, F.A.C., AND 62-604.400, F.A.C., FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

JOINT SPACING
N.T.S.

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

UTILITY DETAILS

C008

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1. INTRODUCTION

THIS DOCUMENT IS INTENDED TO PROVIDE GUIDANCE TO THE RESPONSIBLE AUTHORITY/OPERATOR FOR THE CREATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGE OF STORMWATER FROM CONSTRUCTION SITES.

THE INFORMATION CONTAINED HEREIN IS ORGANIZED TO CORRESPOND TO THE ITEMS OUTLINED IN PART 4 OF THE FDEP FORM 62-621.300(4)(a) 'GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES'. IT SHALL BE THE RESPONSIBILITY OF THE RESPONSIBLE AUTHORITY/OPERATOR TO DEVELOP THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN AND TO SUBMIT THE FDEP FORM 62-621.300(4)(b) 'NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES' AT LEAST TWO (2) CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. THE RESPONSIBLE AUTHORITY/OPERATOR SHALL POST A COPY OF THE NOTICE OF INTENT (NOI) OR ACKNOWLEDGMENT LETTER FROM FDEP AT THE CONSTRUCTION SITE IN A PROMINENT PLACE FOR PUBLIC VIEWING. THE RESPONSIBLE AUTHORITY/OPERATOR SHALL ALSO MAINTAIN RECORDS OF THE SWPPP AND OTHER DOCUMENTS SPECIFIED IN THE GENERIC PERMIT AT THE CONSTRUCTION SITE TO BE AVAILABLE FOR REVIEW.

2. SITE DESCRIPTION

COUNTY: WASHINGTON COUNTY
SECTION, TOWNSHIP, RANGE: SECTION 5, TOWNSHIP 4N, RANGE 13W
PARCEL ID NO.: 00000000-00-2005-0000
STREET ADDRESS: 1444 JACKSON AVENUE, CHIPLEY, FL 32428
PROJECT AREA: 0.90± ACRES
SITE LOCATION MAP: REFER TO CONSTRUCTION PLANS

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROJECT IS COMPRISED OF THE CONSTRUCTION OF AN 5,200 SF EXPANSION OF A AN EXISTING LIBRARY FACILITY
ANTICIPATED START DATE:
ANTICIPATED COMPLETION DATE:

THE START AND END DATES FOR EACH MAJOR CONSTRUCTION ACTIVITY SHALL BE INCLUDED WITH THE SWPPP. THE SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES OUTLINED BELOW IS PROVIDED AS A GENERAL GUIDELINE, THE ACTUAL SEQUENCING AND DATES ARE TO BE PROVIDED IN THE SWPPP:

B. GENERAL SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

1. PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE PRACTICES DESCRIBED IN 'THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL' (CURRENT EDITION) AND FDOT STANDARD SPECIFICATION SECTION 104 (CURRENT EDITION).
2. THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.
3. ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED OF UNWANTED VEGETATION.
4. THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CONSTRUCTED.
5. IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY(S) MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.
6. THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED.
7. THE PERMANENT ROADWAYS/ DRIVEWAYS SHALL BE ROUGHLY GRADED.
8. THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY(S).
9. THE PERMANENT ROADWAY / DRIVEWAY SUBGRADE SHALL BE COMPACTED, A BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT OR CONCRETE PAVEMENT.
10. UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.
11. UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE FINE GRADED AND BE EXCAVATED TO THE DESIGN BOTTOM ELEVATION. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY(S).
12. ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THE CONSTRUCTION AND/OR LANDSCAPING PLANS. TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE AREA ESTIMATES AND RUNOFF DATA:

TOTAL PROJECT SITE AREA: 11.82± ACRES
TOTAL SITE AREA TO BE DISTURBED: 0.90± ACRES

RUNOFF COEFFICIENTS:

PRE-DEVELOPMENT 'C' FACTOR: 0.25
POST-DEVELOPMENT 'C' FACTOR: 0.25

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF REFER TO GEOTECHNICAL REPORT. REFER TO THE GENERAL NOTES SHEET IN THE CONSTRUCTION PLANS FOR INFORMATION REGARDING THE GEOTECHNICAL INVESTIGATIONS FOR THE SITE.

E. SITE MAP

REFER TO CONSTRUCTION PLANS

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY.

OUTFALL ID#	LOCATION	RECEIVING WATERBODY
CONCRETE FLUME	30.78'N 85.55'W	TRIB. TO ALLIGATOR CREEK

3. CONTROLS TO REDUCE POLLUTION

ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES TO RETAIN SEDIMENT ON-SITE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAT WHAT IS OUTLINED IN THE SWPPP, THE RESPONSIBLE AUTHORITY/OPERATOR OR OTHER SUBCONTRACTORS SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES. REGULAR INSPECTION AND MAINTENANCE OF THESE MEASURES IS REQUIRED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. THE FOLLOWING INFORMATION IS INTENDED TO PROVIDE GUIDANCE ON STANDARD MEASURES AND BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL. PLEASE REFER TO THE SWPPP FOR SPECIFIC DETAILS AND REQUIREMENTS FOR THE SITE.

4. EROSION AND SEDIMENT CONTROLS

A. GENERAL STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED. TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE SWPPP. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN SEVEN (7) DAYS OR AS REQUIRED BY THE PERMITTING AGENCY, IN PORTIONS OF THE SITE WHERE CONSTRUCTION TEMPORARILY OR PERMANENTLY CEASED. UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SCRAPED CLEAN OF ANY ACCUMULATED SEDIMENT OR DEBRIS. ALL TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATION SECTION 570 AND EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO THE REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

B. GENERAL STORM STRUCTURE PROTECTION PRACTICES

A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION PLANS AND WILL BE COMPRISED OF A WET DETENTION FACILITY AND A STORM PIPE CONVEYANCE SYSTEM. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING IS TO BE INSTALLED IN THE LOCATIONS SHOWN WITHIN THE CONSTRUCTION PLANS AND THE SWPPP. ALL EXISTING AND PROPOSED STORM DRAINS AND DRAINAGE SWALES SHALL BE PROTECTED IN ACCORDANCE WITH THE MEASURES DETAILED IN THE SWPPP AND/OR THE 'STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL' (CURRENT EDITION) UNTIL CONSTRUCTION HAS BEEN COMPLETED. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBANCE ACTIVITIES, THE STORM PIPE CONVEYANCE SYSTEM SHALL BE FLUSHED TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT.

C. DRAINAGE AREAS SERVING LESS THAN 10 DISTURBED ACRES

DRAINAGE AREAS THAT ARE COMPRISED OF 10 DISTURBED ACRES OR LESS ARE RECOMMENDED TO UTILIZE SEDIMENT BASINS AND/OR TRAPS IF THE AREA IS NOT SERVED BY A PERMANENT STORMWATER MANAGEMENT FACILITY. IF A PERMANENT STORMWATER MANAGEMENT FACILITY IS PROPOSED TO BE USED AS A SEDIMENT BASIN AND/OR TRAP, APPROPRIATE MEASURES SHALL BE TAKEN TO ENSURE REMOVAL OF ANY ACCUMULATED SEDIMENT OR DEBRIS TO ASSURE THE DESIGN CAPACITY OF THE FACILITY IS PROVIDED. SILT FENCES OR OTHER SEDIMENT CONTROL SHALL BE INSTALLED AS OUTLINE IN THE CONSTRUCTION PLANS AND THE SWPP. LOCATION WHERE SILT FENCE SHALL BE INSTALLED INCLUDES, BUT IS NOT LIMITED TO, SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATIONS, OUTLET LOCATIONS, WETLAND SETBACKS, OR AS OTHERWISE NOTED IN THE SWPPP. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBING ACTIVITIES, SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS. NOTE THAT EROSION CONTROL IS SUBJECT TO THE SWPPP AND MAY BE AMENDED BY THE RESPONSIBLE AUTHORITY/OPERATOR AS NEEDED TO ENSURE SEDIMENTATION IS ADEQUATELY CONTROLLED.

D. DRAINAGE AREAS SERVING MORE THAN 10 DISTURBED ACRES

DRAINAGE AREAS THAT ARE COMPRISED OF 10 DISTURBED ACRES OR MORE ARE REQUIRED TO UTILIZE SEDIMENT BASINS AND/OR TRAPS IF THE AREA IS NOT SERVED BY A PERMANENT STORMWATER MANAGEMENT FACILITY. IF A PERMANENT STORMWATER MANAGEMENT FACILITY IS PROPOSED TO BE USED AS A SEDIMENT BASIN AND/OR TRAP, APPROPRIATE MEASURES SHALL BE TAKEN TO ENSURE REMOVAL OF ANY ACCUMULATED SEDIMENT OR DEBRIS TO ASSURE THE DESIGN CAPACITY OF THE FACILITY IS PROVIDED. SILT FENCES OR OTHER SEDIMENT CONTROL SHALL BE INSTALLED AS OUTLINE IN THE CONSTRUCTION PLANS AND THE SWPPP. LOCATIONS WHERE SILT FENCE SHALL BE INSTALLED INCLUDES, BUT IS NOT LIMITED TO, SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATIONS, OUTLET LOCATIONS, WETLAND SETBACKS, OR AS OTHERWISE NOTED IN THE SWPPP. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBING ACTIVITIES, SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS. NOTE THAT EROSION CONTROL IS SUBJECT TO THE SWPPP AND MAY BE AMENDED BY THE RESPONSIBLE AUTHORITY/OPERATOR AS NEEDED TO ENSURE SEDIMENTATION IS ADEQUATELY CONTROLLED.

5. STORMWATER MANAGEMENT PRACTICES

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIC STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS; STORM PIPES AND STRUCTURES WILL BE INSPECTED SEMI-ANNUALLY AND CLEANED ANNUALLY.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIPRAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

6. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE SPECIFIED IN THE SWPPP OR APPROVED BY THE ENGINEER: PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES, DISPOSE OF ALL FERTILIZERS OR OTHER CHEMICAL CONTAINERS TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER, DISPOSE OF SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, OFF THE PROJECT SITE IN APPROVED LOCATIONS. NO MATERIALS SHALL BE DISPOSED OF IN SURFACE WATERS OR WETLANDS.

B. OFF-SITE VEHICLE TRACKING & DUST CONTROL

TO MINIMIZE OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE AND SOIL TRACKING PREVENTION DEVICE SHALL BE ESTABLISHED AT ALL CONSTRUCTION ENTRANCES. INCLUDE THE FOLLOWING METHODS IN ADDITION TO THOSE SPECIFIED IN THE SWPPP OR AS DIRECTED BY THE ENGINEER: COVER LOADED HAUL TRUCKS WITH TARPAULINS, REMOVE EXCESS DIRT FROM ROADS DAILY, USE ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION OR MILLING OPERATIONS.

C. TEMPORARY POTABLE WATER AND SANITARY SEWER SYSTEMS

ENSURE THAT TEMPORARY/CONSTRUCTION POTABLE CONNECTIONS TO EXISTING PUBLIC WATER MAINS ARE INSTALLED IN ACCORDANCE WITH THE GOVERNING AUTHORITY/UTILITY OWNER'S REQUIREMENTS. IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE WILL BE DIRECTED BY THE LANDSCAPE PLAN AND TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION. APPLICATION RATES FOR THE FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS TO GUARD AGAINST OVERUSE, WHICH CAN LEAD TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

E. HAZARDOUS MATERIAL

THE SWPPP SHALL PROVIDE A LIST OF HAZARDOUS MATERIALS THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES. THE CONSTRUCTION SITE MUST BE IN COMPLIANCE WITH STATE (FDEP RULE CHAPTER 62-25 F.A.C.) AND FEDERAL REQUIREMENTS. IN ADDITION, THE CONSTRUCTION SITE SHALL BE ALSO BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL CODES, ORDINANCES, OR REQUIREMENTS.

7. CHANGES TO THE STORMWATER POLLUTION PREVENTION PLAN

THE SWPP SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGES IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE RESPONSIBLE AUTHORITY/OPERATOR RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL PROVIDE A RE-CREATION OF THE SWPPP, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES. AMENDMENTS TO THE PLAN SHALL BE PREPARED, SIGNED, DATED, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

8. MAINTENANCE

THE SWPPP SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGH THE DURATION OF THE PROJECT. THE MAINTENANCE PLAN SHOULD, AT A MINIMUM, THE SWPPP SHOULD COMPLY WITH THE FOLLOWING:

A. SILT FENCE: MAINTAIN PER FDOT STANDARD SPECIFICATION SECTION 104. ANTICIPATE REPLACEMENT OF SILT FENCE ON 12 MONTH INTERVALS.
B. SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURE'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.
C. STORMWATER PONDS: REMOVE SEDIMENT FROM THE PONDS OR BASINS WHEN IT BECOMES 1.5' DEEP AT ANY POINT OR AS DIRECTED BY THE ENGINEER
D. IF REPAIRS ARE REQUIRED TO ANY OF THE EROSION AND SEDIMENT CONTROLS, IT SHALL BE INITIATED WITHIN 24 HOURS OF BEING REPORTED.

12. INSPECTIONS

INSPECTION OF THE PROJECT SITE AND SEDIMENT & EROSION CONTROLS SHALL BE DONE IN ACCORDANCE WITH THE SWPPP. AT A MINIMUM, QUALIFIED PERSONNEL SHALL INSPECT ITEMS A - G AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF STORM EVENT THAT IS 0.50 INCHES OR GREATER. IN ORDER TO ENSURE COMPLIANCE, RAIN GAUGE(S) SHALL BE INSTALLED AND MAINTAINED AT THE PROJECT SITE TO RECORD THE DAILY RAINFALL AMOUNTS. IN PORTIONS OF THE PROJECT WHERE PERMANENT STABILIZATION HAS BEEN COMPLETED, CONDUCT INSPECTIONS AT LEAST ONCE EVERY MONTH.

ALL INSPECTIONS ARE TO BE RECORDED AND INCLUDE THE NAME(S) AND QUALIFICATION OF THE INSPECTOR, THE DATE OF INSPECTION, RAINFALL DATA, LOCATION AND CONDITION OF CONTROL MEASURES, OBSERVATIONS, AND CORRECTIVE ACTIONS RECOMMENDED. A COPY OF THE SWPPP INSPECTION REPORT FORM FROM FDEP HAS BEEN INCLUDED ON THIS SHEET AS AN EXAMPLE. ALSO, INSPECT AND ENSURE THAT CONTROLS INSTALLED IN THE FIELD CORRESPOND TO THOSE SPECIFIED ON THE CURRENT SWPPP.

AREAS TO INSPECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

A. POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
B. POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS (MS4)
C. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
D. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
E. STRUCTURAL CONTROLS
F. STORMWATER MANAGEMENT SYSTEMS
G. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT ITEMS ARE NOT IN GOOD WORKING ORDER. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, OR PREVENT DISCHARGE POLLUTANTS, PROVIDE ADDITIONAL MEASURES AS REQUIRED AND THE RESPONSIBLE AUTHORITY/OPERATOR SHALL REVISE THE SWPPP ACCORDINGLY.

13. NON-STORMWATER DISCHARGES

REFER TO THE SWPPP FOR ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOW FROM FIRE FIGHTING ACTIVITIES). THE SWPPP SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT THE POLLUTION OF THESE NON-STORMWATER DISCHARGES. SUCH DISCHARGES MAY INCLUDE IRRIGATION OPERATIONS OR RUNOFF GENERATED FROM CONSTRUCTION PRACTICES.

14. CONTRACTORS CERTIFICATION

ENSURE THAT ALL CONTRACTORS AND SUBCONTRACTORS WORKING WITHIN THE PROJECT AREA SIGN THE FOLLOWING CERTIFICATION, AN EXAMPLE FORM HAS BEEN PROVIDED ON THIS SHEET:

"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."

15. RETENTION OF RECORDS

THE RESPONSIBLE AUTHORITY/OPERATOR SHALL RETAIN COPIES OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), ALL REPORTS REQUIRED BY THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, AND ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE SITE HAS REACHED FINAL STABILIZATION AND THE NOTICE OF TERMINATION (N.O.T) IS SUBMITTED.

16. NOTICE OF TERMINATION

WHEN THE SITE HAS REACHED FINAL STABILIZATION AND ALL STORMWATER DISCHARGE AUTHORIZED BY THE GENERIC PERMIT HAS BEEN ELIMINATED, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL SUBMIT ANOTICE OF TERMINATION (FDEP FORM 62-621.300(6)) THAT IS SIGNED IN ACCORDANCE WITH PART VII.C OF FDEP DOCUMENT NO. 62-621.300(4)(a) WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT. THE ELIMINATION OF STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES MEANS THAT ALL DISTURBED SOILS AT THE SITE FINAL BEEN FINALLY STABILIZED AND ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED. FOR CONSTRUCTION ACTIVITIES WHERE THE RESPONSIBLE AUTHORITY/OPERATOR CHANGES, THE CURRENT RESPONSIBLE AUTHORITY/OPERATOR SHALL FILE A NOTICE OF TERMINATION WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO THE NEW RESPONSIBLE AUTHORITY/OPERATOR. NOTE THAT COVERAGE UNDER THE GENERIC PERMIT IS NOT TRANSFERABLE.

THE NOTICE OF TERMINATION CAN BE SUBMITTED EITHER OF THE FOLLOWING WAYS:

A. ONLINE AT http://www.fldepportal.com/go/
B. EMAIL TO NPDES-stormwater@dep.state.fl.us
C. MAIL TO THE FOLLOWING ADDRESS:
NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROJECTION
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

IF THE PROJECT DISCHARGES TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), THE RESPONSIBLE AUTHORITY/OPERATION SHALL ALSO SUBMIT A COPY OF THE NOTICE OF TERMINATION OR THE ACKNOWLEDGEMENT LETTER WITHIN SEVEN (7) CALENDAR DAYS OF RECEIPT TO THE OPERATOR OF THE MS4.

17. OWNER'S INSTRUCTIONS FOR MAINTENANCE AND INSPECTION OF STORMWATER FACILITIES

FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE STORMWATER SYSTEM. THE ENTIRE STORMWATER SYSTEM SHOULD BE INSPECTED ON AT LEAST A SEMI-ANNUAL BASIS. THIS SHOULD INCLUDE A VISUAL INSPECTION OF THE POND, POND BANKS, BLEED-DOWN ORIFICES, OTHER CONTROL STRUCTURES, AND DISCHARGE PIPES. THESE SHOULD BE KEPT FREE OF DEBRIS AND CLEANED ON A FREQUENCY AS REQUIRED TO KEEP THEM FUNCTIONAL, AS DESIGNED. MOWING/CLEARING AROUND THE STRUCTURES MAY BE REQUIRED TO PREVENT VEGETATION FROM CLOGGING THEM. SEDIMENT SUMPS, IF DESIGNED AND INSTALLED, SHOULD HAVE SEDIMENT REMOVED AS NECESSARY TO ALLOW THEM TO EFFICIENTLY REMOVE SUSPENDED PARTICLES. THEY SHOULD BE RE-DUG TO THE ORIGINAL DESIGN SPECIFICATIONS, IF SILTED IN.

FOR PERCOLATION TREATMENT PONDS/SWALES, THE OWNER OF THE FACILITY SHALL INSPECT THE POND BOTTOM PERIODICALLY AFTER HEAVY RAINFALL EVENTS TO CHECK FOR PERSISTENT PONDING OR POOLING OF WATER. ALL LARGE DEBRIS SHALL BE REMOVED AND DISPOSED OF ELSEWHERE. IF PROLONGED PONDING PERSISTS, I.E., IN EXCESS OF 72 HOURS, THE OWNER SHALL RAKE OR SCARIFY THE SURFACE. IF REQUIRED, THE SOIL IN THE AREA OF PONDING SHALL BE REMOVED AND REPLACED WITH CLEAN SANDY, NON-COHESIVE SOILS.

SPECIFIC CONDITIONS OF ALL PERMITS MAY REQUIRE ADDITIONAL MAINTENANCE ACTIVITIES ABOVE AND BEYOND THOSE OUTLINED ABOVE.
PLEASE BE AWARE OF ALL PERMIT CONDITIONS AS ISSUED BY REGULATORY AGENCIES TO ENSURE PERMIT COMPLIANCE.

Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name:_____ FDEP NPDES Stormwater Identification Number: FLR_____

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks

Condition Code:

G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement C = Needs to be cleaned O = Other

Control Type Codes			
1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

_____ _____ _____
Name Qualification Date

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

* * * * * *

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

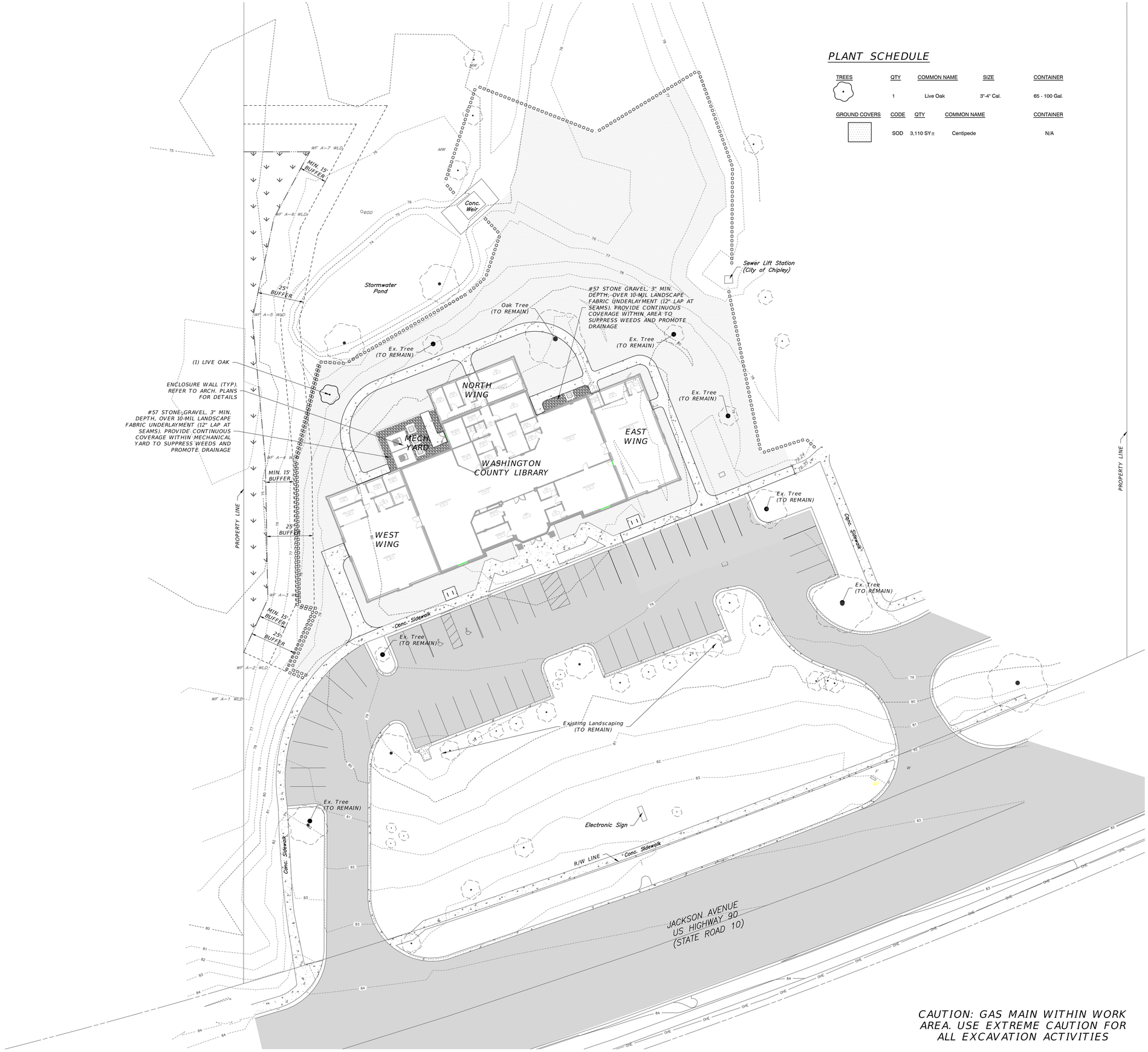
_____ _____
Name (Responsible Authority) Date

CONTRACTOR/SUBCONTRACTOR CERTIFICATION STATEMENT

SITE NAME:_____
SITE LOCATION:_____

NOTE: THE STORMWATER POLLITION PREVENTION PLAN (SWPPP) MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWING CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE O



PLANT SCHEDULE

TREES	QTY	COMMON NAME	SIZE	CONTAINER
	1	Live Oak	3"-4" Cal.	65 - 100 Gal.

GROUND COVERS	CODE	QTY	COMMON NAME	CONTAINER
	SOD	3,110 SY±	Centipede	N/A

N

40 20 0 20 40

SCALE: 1" = 20'

LEGEND

EXISTING	PROPOSED	
	12	STORM DRAINAGE STRUCTURE & PIPE PIPE SIZE IN INCHES
(10)	(10)	STRUCTURE NO.
x 62.9	65.00 65avg	SPOT ELEVATION
		PROPOSED PROFILE GRADE ELEVATION
63	65.00	CONTOUR
		DIRECTION OF SURFACE FLOW
		STAKED EROSION CONTROL
ZONE A		FEMA FLOOD ZONE BOUNDARY
62.0		BASE FLOOD ELEVATION (FT)
		WETLAND LINE
15' BUFFER		15' BUFFER FROM WETLAND LINE
		WETLAND AREAS
		PROPOSED CONCRETE SIDEWALK
		PROPOSED ASPHALT PAVEMENT (FULL DEPTH)
		PROPOSED MILLING LIMITS (1")

LANDSCAPE NOTES

1. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO INSTALLATION.
2. ALL WORK SHALL COMPLY WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS AND FDOT STANDARD SPECIFICATIONS (SECTION 580 - LANDSCAPE).
3. PLANTING AND SODDING SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES.
4. EXCAVATE PLANTING PIT A MINIMUM OF 2× ROOT BALL WIDTH AND NO DEEPER THAN THE ROOT BALL HEIGHT.
5. SET ROOT FLARE AT OR SLIGHTLY ABOVE ADJACENT GRADE.
6. BACKFILL WITH ON-SITE SOIL, FREE OF DEBRIS AND LARGE CLODS.
7. PROVIDE 3" ORGANIC MULCH LAYER AROUND TREE PLANTING AREA, KEEPING MULCH AT LEAST 3" CLEAR OF TRUNK.
8. STAKE OR GUY TREE AS REQUIRED TO WITHSTAND WIND; REMOVE STAKING WITHIN 12 MONTHS.
9. PROVIDE FRESH SOD; INSTALL WITHIN 24 HOURS OF HARVEST.
10. LAY SOD ON SMOOTH, GRADED SOIL SURFACE WITH TIGHT JOINTS; STAGGER SEAMS.
11. ROLL SOD LIGHTLY TO ENSURE SOIL CONTACT AND WATER IMMEDIATELY AFTER INSTALLATION.
12. REPLACE SOD THAT FAILS TO ROOT OR SHOWS DIE-BACK AT NO COST TO OWNER
13. CONTRACTOR SHALL FIELD LOCATE, TEST, AND ADJUST EXISTING IRRIGATION TO ENSURE FULL COVERAGE OF ALL NEW PLANTINGS.
14. CONTRACTOR SHALL REPAIR, AT THEIR EXPENSE, ANY IRRIGATION LINES, HEADS, OR EQUIPMENT DAMAGED DURING CONSTRUCTION.
15. CONTRACTOR IS RESPONSIBLE FOR ALL WATERING AND MAINTENANCE NECESSARY TO ESTABLISH ALL PLANTINGS FOR ONE (1) YEAR AFTER ACCEPTANCE.
16. CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL IN A HEALTHY, VIGOROUS GROWING CONDITION, FREE FROM PESTS, DISEASE, AND WEEDS, FOR A MINIMUM OF ONE (1) YEAR FOLLOWING ACCEPTANCE.
17. REPLACE ANY DEAD, DECLINING, OR UNACCEPTABLE PLANT MATERIAL IMMEDIATELY, AT NO COST TO OWNER.
18. CONTRACTOR SHALL MOW, TRIM, AND EDGE SOD DURING ESTABLISHMENT PERIOD AS NECESSARY TO MAINTAIN NEAT APPEARANCE.
19. PROTECT EXISTING UTILITIES, STRUCTURES, AND PAVEMENTS DURING WORK.
20. REMOVE ALL PLANTING DEBRIS AND SURPLUS SOIL FROM SITE; LEAVE SITE CLEAN AND READY FOR ACCEPTANCE.
21. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF PLANTING COMPLETION TO BEGIN ESTABLISHMENT PERIOD.

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

LANDSCAPE PLAN

L001

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DESIGN CRITERIA

1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS:

GENERAL	2023 FLORIDA BUILDING CODE, BUILDING (FBC-B) 8th EDITION
EXISTING BUILDING	2023 FLORIDA EXISTING BUILDING CODE, BUILDING (FBC-EB) 8th EDITION
CONCRETE	ACI 318-19 (LRFD) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
STRUCTURAL STEEL	AISC 360-16 (ASD) SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
COLD-FORMED STEEL	2012 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

2. DESIGN SUPERIMPOSED GRAVITY DEAD LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

ROOF	20 PSF
ALL OTHERS	ACTUAL SELF-WEIGHT

3. DESIGN SUPERIMPOSED GRAVITY LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

OCCUPANCY	UNIFORM	CONCENTRATED
ROOF	20 PSF (REDUCIBLE)	300 LB

4. DESIGN LATERAL LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

WIND LOADS PER ASCE 7-22 (3-SEC GUST)
ULTIMATE WIND SPEED = 140 MPH
RISK CATEGORY III
EXPOSURE 0
INTERNAL PRESSURE COEFFICIENT, GCpi=+/-0.18 (ENCLOSED)

5. THIS STRUCTURE HAS BEEN DESIGNED WITH "SAFETY FACTORS" IN ACCORDANCE WITH GENERALLY ACCEPTED PRINCIPLES OF STRUCTURAL ENGINEERING. THE FUNDAMENTAL NATURE OF THE "SAFETY FACTOR" IS TO COMPENSATE FOR UNCERTAINTIES IN THE INTENDED DESIGN, FABRICATION AND ERECTION OF STRUCTURAL BUILDING COMPONENTS. IT IS INTENDED THAT "SAFETY FACTORS" BE USED SO THAT THE LOAD CARRYING CAPACITY OF THE STRUCTURE DOES NOT FALL BELOW THE DESIGN LOAD AND THAT THE BUILDING WILL PERFORM UNDER DESIGN LOAD WITHOUT DISTRESS. WHILE THE USE OF "SAFETY FACTORS" IMPLIES SOME EXCESS CAPACITY BEYOND DESIGN LOAD, SUCH EXCESS CAPACITY CANNOT BE ADEQUATELY PREDICTED AND SHALL NOT BE RELIED UPON.

GENERAL NOTES

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON OR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.

6. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.

7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADING USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.

8. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

9. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK, AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.

10. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:

A. STEEL REINFORCING SHOP DRAWINGS
B. CAST-IN-PLACE CONCRETE MIX DESIGNS

OTHER SUBMITTALS ARE REQUIRED PER THE NOTES CONTAINED HEREIN AND THE PROJECT SPECIFICATIONS.

11. ALL "STRUCTURAL SUBMITTALS" SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. DRAWINGS PREPARED SOLELY AS A GUIDE FOR ERECTION, INSTALLATION, AND CATALOG INFORMATION WILL NOT REQUIRE AN ENGINEER'S SEAL; HOWEVER, THEY SHALL BEAR THE ENGINEER'S SIGNATURE AND AN INDICATION THAT HE OR SHE CHECKED THE WORK.

12. DRAWINGS INTRODUCING ENGINEERING INPUT AND CALCULATIONS SHALL BE SIGNED, SEALED, AND DATED BY THE ENGINEER PREPARING SUCH WORK.

FOUNDATION NOTES

1. ALL CONSOLIDATION OF SUBSOIL SHALL CLOSELY FOLLOW THE GEOTECHNICAL REPORT PREPARED BY SOUTHERN EARTH SCIENCES., FILE NO. P25-018 DATED MAY 2, 2015. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO PLACING FOUNDATION CONCRETE.

2. ALL FOUNDATION CONCRETE SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. ALL PEDESTAL, PILE CAP AND MAT FOUNDATION CONCRETE SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.

3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.

5. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"

B) CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS - 2"
#5 BAR, W31 OR D31 WIRE & SMALLER- 1 1/2"

SLAB ON GRADE NOTES

1. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION MORE THAN 12" BELOW BOTTOM OF SLAB.

2. ABOVE SUBGRADE, USE TERMITE TREATED FILL CONTAINING NOT MORE THAN 12% PASSING, BY DRY WEIGHT, THE U.S. NO. 200 MESH SIEVE AND MAXIMUM 1" DIAMETER AGGREGATE. COMPACT TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. EACH LAYER OF FILL SHALL NOT EXCEED 12" INCHES LOOSE THICKNESS. COMPACT PRIOR TO PLACEMENT OF NEXT LIFT.

3. FILL PLACEMENT AND COMPACTION SHALL BE MONITORED AND ACCEPTED BY THE TESTING AGENCY. TAKE A MINIMUM OF ONE FIELD DENSITY TEST (ASTM D-1556-OR D-2922) FOR EACH 2,000 SQUARE FEET OF EACH LIFT OF FILL PLACED.

4. ALL CONCRETE FOR SLAB-ON-GRADE SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. PLACE CONCRETE WITH A MAXIMUM 4" SLUMP +/- 1 INCH AS MEASURED AT POINT OF DISCHARGE. REINFORCE WITH 6X6-W1.4xW1.4 WELDED WIRE REINFORCING UNLESS NOTED OTHERWISE.

5. FOR INTERIOR AND EXTERIOR SLABS PLACE VAPOR BARRIER BETWEEN SOIL AND BOTTOM OF SLAB. SEE SPECIFICATIONS FOR REQUIREMENTS.

6. ALL WELDED WIRE REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH LENGTH.

7. SLAB JOINTS SHALL BE FILLED WITH APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINT, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS FOLLOWS:

4" SLAB - FILL WITH FIELD MOLDED OR ELASTOMERIC SEALANT
6" SLAB - FILL WITH EPOXY RESIN

8. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR WALKWAYS AND OTHER EXTERIOR SLABS NOT INDICATED ON THE STRUCTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" THICK WALKS REINFORCED WITH 6X6-W1.4/W1.4 WELDED WIRE REINFORCING UNLESS NOTED OTHERWISE.

9. SLABS TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/-1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260. DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3%.

10. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

11. IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, LIMIT THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR TO 100 FEET OR LESS. THE MAXIMUM SPACING OF CONTRACTION JOINTS SHALL BE 12-FEET FOR 4" THICK SLABS.

12. THE ALTERNATE WIRES OF THE WELD WIRE REINFORCING MUST BE PRECUT AT THE SLAB CONTRACTION JOINT LOCATIONS TO CREATE A "WEAKENED PLANE". WITHOUT CUTTING THE ALTERNATE WIRES, THE STRENGTH OF THE WIRE WILL PREVENT THE SLAB FROM CRACKING (SEPARATING) AT THE JOINT AND THE SLAB MAY BEGIN TO CRACK ELSEWHERE.

13. THE USE OF POLYPROPYLENE FIBERS (IN LIEU OF WIRE REINFORCING) IS PROHIBITED WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.

14. IN SIDEWALKS AND WALKWAYS, LOCATE ISOLATION JOINTS AT 20 FT. O.C. MAXIMUM, SCORE AND TOOL BETWEEN ISOLATION JOINTS IN EQUAL BAYS NOT GREATER THAN THE SIDEWALK WIDTH UNLESS DETAILED ELSEWHERE.

15. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.

EXTERIOR COLD-FORMED METAL FRAMING

1. DESIGN, DETAIL AND ERECT EXTERIOR COLD-FORMED METAL FRAMING IN ACCORDANCE WITH THE GENERAL NOTES AND SPECIFICATIONS.

2. COLD-FORMED STEEL FRAMING DETAILS SHOWN ON CONTRACT DOCUMENTS REPRESENT THE MINIMUM DESIGN INTENT TO BE FOLLOWED. CONNECTIONS NOT DETAILED IN CONTRACT DOCUMENTS SHALL BE DESIGNED AND DETAILED BY THE DELEGATED ENGINEER ACCORDING TO SPECIFICATIONS AND REQUIREMENTS HEREIN. THE MINIMUM DESIGN THICKNESS OF EXTERIOR COLD-FORMED METAL FRAMING SHALL BE 43 MILS. NO EXCEPTIONS WILL BE ACCEPTED.

3. SUBMIT COMPLETE SHOP DRAWINGS AND CALCULATIONS SHOWING METHOD OF FABRICATION, ERECTION PROCEDURES, ATTACHMENT OF THE SYSTEM TO THE BUILDING, JOINTS, CONNECTIONS AND FRAMING. CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED, SIGNED AND SEALED BY THE DELEGATED ENGINEER LICENSED IN THE STATE OF FLORIDA.

4. USE GALVANIZED STEEL "C" STUDS, TRACKS, ANGLES AND STRAPS AS SHOWN ON DRAWINGS AND DETAILS HAVING A MINIMUM YIELD STRENGTH AS FOLLOWS:

54 MIL THICKNESS AND GREATER:	Fy= 50 KSI MIN.
43 MIL THICKNESS:	Fy= 33 KSI MIN.

ALL TRACKS TO HAVE SAME DESIGN THICKNESS AS STUDS WITH MINIMUM 1 1/4 " LEGS.

5. DOOR AND WINDOW SILLS, HEADERS, AND JAMBS SHALL BE DESIGNED TO RESIST WIND FORCES ON THE TRIBUTARY AREA OF WINDOWS AND DOORS AND TO TRANSMIT THE FORCES TO THE PRIMARY STRUCTURAL FRAME.

6. ALL FRAMING SHALL BE 18 GAGE MINIMUM.

7. ALL JAMBS, HEADERS, SILLS AND OTHER BUILT-UP MEMBERS SHALL BE CONSTRUCTED OF UNPUNCHED MATERIAL.

8. ALL JAMB STUDS SHALL BE FASTENED TOGETHER TO FORM A CONTINUOUS BUILT-UP SECTION.

9. SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J429 GRADE 5; AND IFI-105. SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.

10. FIELD CUTTING OF COLD-FORM METAL FRAMING SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.

11. LIMIT DEFLECTIONS OF STUDS BETWEEN SUPPORTS TO L/600 WHEN SUPPORTING MASONRY, L/360 WHEN SUPPORTING GYPSUM WALL BOARD OR PORTLAND CEMENT STUCCO AND L/240 FOR OTHER CONDITIONS.

12. ADD WEB STIFFENERS AT CONCENTRATED LOADS AS REQUIRED BY DESIGN.

13. ALL WELDERS SHALL BE CERTIFIED BY AWS FOR THIN METAL SECTIONS.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ANSI/AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.

2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:

MEMBER	ASTM	MIN. STRENGTH
STRUCTURAL TUBING	A500 (GRADE B)	46 KSI
WIDE FLANGE SHAPES	A992	50 KSI
OTHER ROLLED PLATES/SHAPES	A36	36 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR RODS	F1554	36 KSI
THREADED RODS	A36	36 KSI
NONSHRINK GROUT	C1107	8000 PSI

3. TRUSS JOINTS, HANGERS, AND DIAGONAL BRACING (AS OCCURS) SHALL HAVE SLIP-CRITICAL CONNECTIONS, ALL OTHER CONNECTIONS SHALL HAVE NON-SLIP CRITICAL BEARING-TYPE CONNECTIONS.

4. CONNECTIONS ARE TO BE DESIGNED BY THE FABRICATOR FOR THE UNFACTORED SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR ALLOWABLE STRESS DESIGN, 13TH EDITION. CONNECTIONS SHALL UTILIZE MINIMUM 3/4" DIAMETER A325-N BOLTS. SLOTTED HOLES ARE PERMITTED ONLY WHERE THE DIRECTION OF THE LOAD IS NORMAL TO THE AXIS OF THE SLOT. BOLTS USED IN SHEAR/BEARING TYPE CONNECTIONS SHALL BE "SNUG-TIGHT". BOLTS USED IN SLIP-CRITICAL CONNECTIONS SHALL BE TIGHTENED USING THE TURN-OF-THE NUT METHOD, CALIBRATED WRENCH METHOD, OR BY DIRECT TENSION INDICATOR BOLTS.

5. UNLESS OTHERWISE NOTES OR IF UNFACTORED SHEAR FORCES ARE NOT SHOWN ON THE PLANS, PROVIDE SIMPLE SHEAR TYPE CONNECTIONS THAT UTILIZE THE MAXIMUM NUMBER OF ROWS AT 3 INCH STANDARD BOLT SPACING USING MINIMUM 3/4" DIAMETER A325-N BOLTS. ALL BOLTS SHALL BE SHEAR/BEARING TYPE BOLTS AND BE "SNUG-TIGHT".

6. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONT. MIN. SIZED FILLET WELDS PER AISC REQUIREMENTS. ALL FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI.

7. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.

8. UNLESS OTHERWISE NOTED, SHOP PAINT FOR STRUCTURAL STEEL SHALL BE TNEMEC 10-1009G. APPLY TO A MINIMUM DRY FILM THICKNESS OF 2.5 MILS. DO NOT PAINT STEEL SURFACES TO BE EMBEDDED IN CONCRETE. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2.5 INCHES. DO NOT PAINT SURFACES TO BE FIELD WELDED, SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS, SURFACES TO RECEIVE SPRAYED FIRE RESISTIVE MATERIALS (APPLIED FIREPROOFING), OR GALVANIZED SURFACES.

9. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A159. ALL STRUCTURAL TUBE, PIPE SHAPES, AND STRUCTURAL ASSEMBLIES SHALL HAVE ADEQUATE DRAIN HOLES AND SEAL WELDS.

10. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING (SEE "GENERAL STRUCTURAL NOTES".

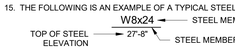
11. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

12. STEEL FABRICATOR SHALL BE THOSE QUALIFIED FABRICATORS THAT PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM AND ARE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.

13. PROTECTIVE COATINGS DAMAGED DURING THE TRANSPORTING, ERECTING, AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.

14. ALL COLUMNS ERECTED IN THE FIELD SHALL BE PLUMBED IN ACCORDANCE TO AISC TOLERANCES USING LASER OR OTHER SIMILAR EQUIPMENT.

15. THE FOLLOWING IS AN EXAMPLE OF A TYPICAL STEEL BEAM CALLOUT:



NON-COMPOSITE METAL ROOF DECK

1. ALL METAL ROOF DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS BY THE STEEL DECK INSTITUTE (SDI).

2. ALL METAL ROOF DECK SHALL BE 1 1/2" DEEP x 22 GAGE GALVANIZED TYPE B (WIDE RIB) DECK (MIN. Ip = 0.155 IN^4/FT AND Sp = 0.186 IN^3/FT) AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL.

3. ALL METAL ROOF DECK SHALL SPAN PERPENDICULAR TO SUPPORTS. WELD TO JOISTS AND STRUCTURAL STEEL PER 2/S-6.0. MECHANICALLY FASTEN TO COLD-FORMED STEEL TRUSSES PER 1/S-6.0.

4. SUSPENDED CEILINGS, LIGHT FIXURES, DUCTS, AND OTHER PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE METAL DECK.

5. ALL ROOF DECKING SHALL BE GALVANIZED BY THE HOT-DIP PROCESS CONFORMING TO ASTM A924 CLASS G90. ALL DECK WELDS SHALL BE TOUCHED UP WITH GALVANIZING REPAIR PAINT FOR GALVANIZED DECKS.

6. SUBMIT DETAILED SHOP DRAWINGS PRIOR TO FABRICATION SHOWING LAYOUT, TYPES OF METAL DECK UNITS, CONNECTION DETAILS, ACCESSORIES AND OTHER RELATED ITEMS.

7. ALL STEEL DECK SHALL BE CAPABLE OF SUPPORTING THE DESIGN LOADS PROVIDED IN THE CONTRACT DOCUMENTS. THE DECK SUPPLIER SHALL SUBMIT CALCULATIONS AND/OR LOAD TABLES WITH THE SHOP DRAWINGS. THESE CALCULATIONS AND/OR LOAD TABLES SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. THE STRUCTURAL ENGINEEER OF RECORD'S REVIEW OF SUCH MATERIALS SHALL NOT RELIEVE THE DECK SUPPLIER AND ITS LICENSED ENGINEER OF THE SOLE RESPONSIBILITY FOR THE ACCURACY OF LOAD TABLES AND/OR CALCULATIONS SUBMITTED FOR REVIEW WITH THE SHOP DRAWINGS.

CAST-IN-PLACE CONCRETE NOTES

1. CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C-618, C-989 AND C-260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH C-94.

2. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH, SLUMP AND WATER/CEMENT RATIO REQUIREMENTS:

CONCRETE	(28 DAY STRENGTH)	SLUMP*	W/C RATIO
BEAMS AND COLUMNS	4,000 PSI	4" ± 1"	0.46
STAIRS	4,000 PSI	4" ± 1"	0.46
CONCRETE NOT NOTED	3,000 PSI	4" ± 1"	0.50
FOUNDATIONS	"SEE FDN NOTES"	4" ± 1"	0.50
SLABS	"SEE SLAB ON GRADE NOTES"		
ELEVATED SLABS	4,000 PSI	4" ± 1"	0.46

* AT CONTRACTOR'S OPTION, AN APPROVED ADMIXTURE MAY BE USED TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP SHALL NOT EXCEED 10 INCHES. THE CONTRACTOR SHALL SUBMIT TEST RESULTS OF THE PROPOSED CONCRETE MIXES ALONG WITH THE MANUFACTURER'S TECHNICAL DATA FOR APPROVAL PRIOR TO PLACING THE CONCRETE.

3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.

5. ALL WELDED WIRE REINFORCING (WWR) SHALL CONFORM TO A-185.

6. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR APPROVED BY THE ENGINEER.

7. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CONT.) SHALL BE LAPPED WITH A CLASS B TENSION LAP SPLICE UNLESS OTHERWISE NOTED.

8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

A) CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS 2"
#5 BAR, W31 OR D31 WIRE & SMALLER 1 1/2"

B) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:

SLABS, WALLS, JOISTS:
#14 AND #18 BARS 1 1/2"
#11 BAR AND SMALLER 3/4"

BEAMS AND COLUMNS:
PRIMARY REINFORCEMENT, TIES, 1 1/2"
STIRRUPS, SPIRALS

C) FOUNDATION CONCRETE (SEE "FOUNDATION NOTES")

9. BAR SUPPORTS AND HOLDING BARS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO INSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

10. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

PRE-ENGINEERED COLD-FORMED METAL TRUSSES

1. COLD-FORMED METAL TRUSSES SHALL BE DESIGNED BY TRUSS SUPPLIER USING COLD-FORMED STEEL SYMMETRICAL SHAPES WITH A MIN. YIELD STRENGTH OF 33 KSI MEETING THE REQUIREMENTS OF ASTM A-653. ALL LIGHT GAUGE COLD-FORMED METAL SECTIONS, STUDS, JOISTS AND ACCESSORIES SHALL HAVE HOT DIPPED GALVANIZED STEEL COATING MEETING THE REQUIREMENTS OF ASTM A525 AND C955 WITH G-60 CLASS COATING. TRUSS TOP AND BOTTOM CHORDS SHALL BE MIN. 18 GAUGE AND ALL OTHER TRUSS MEMBERS SHALL BE MIN. 20 GAUGE. NO EXCEPTIONS WILL BE ACCEPTED.

2. ALL COLD-FORMED METAL TRUSS ELEMENTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL MEMBERS" AND OTHER APPLICABLE CODES AND SPECIFICATIONS. TRUSSES SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS LISTED IN THE STRUCTURAL DESIGN CRITERIA AS WELL AS LOADS LISTED ELSEWHERE ON THE DRAWINGS.

3. THE COLD-FORMED METAL TRUSS SUPPLIER SHALL SUBMIT TO THE ARCHITECT FOR REVIEW AND APPROVAL, DETAILED SHOP DRAWINGS AND DESIGN CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF FLORIDA. FABRICATION OF TRUSSES SHALL NOT BEGIN UNTIL THE SHOP DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED AND RETURNED APPROVED. REFER TO CONTRACT SPECIFICATIONS FOR APPROVED SUPPLIERS. SUPPLIER/ERECTOR NOT PRE-APPROVED, MUST HAVE QUALIFICATIONS MEETING CONTRACT SPECIFICATIONS APPROVED PRIOR TO BIDDING.

4. CALCULATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

A. ENGINEERING ANALYSIS SHOWING LOADING, MEMBER STRESSES AND DEFLECTIONS FOR EACH DIFFERENT TRUSS DESIGN BASED ON DESIGN LOADS LISTED ON THE DRAWINGS.

B. ALL TRUSS MEMBERS, PITCH, SPAN, CAMBER, BEARING, CONFIGURATION, TYPE, LOCATION, SPACING AND LAYOUT OF TRUSSES.

C. ALL BRIDGING AND BRACING FOR DIAPHRAGM ACTION, CONSTRUCTION LOADS, AND ALL OTHER TEMPORARY AND PERMANENT LOADS.

D. ALL TRUSS TO TRUSS CONNECTIONS, TRUSS TO STEEL BEAM OR BEARING PLATE, TRUSS TO CONCRETE BEAM, JOISTS, TRACK, GUSSET PLATES, FASTENERS, BRIDGING AND RELATED ACCESSORIES TO BE DESIGNED AND DETAILED FOR ALL LOADING CONDITIONS INCLUDING NET WIND UPLIFT AND REACTIONS FROM HORIZONTAL WIND DIAPHRAGM ACTION.

E. ALL TRUSS MEMBER SIZES, PROPERTIES, ANY YIELD STRENGTH.

F. SPACING AND LAYOUT OF TRUSSES MEETING REQUIREMENTS INDICATED ON THE DRAWINGS.

G. NOTE ANY PROPOSED TRUSS LAYOUT CHANGES THAT WOULD EFFECT THE LOCATION OF BEARING WALLS OR FOUNDATION DESIGN OR CONSTRUCTION.

5. GENERAL CONTRACTOR SHALL COORDINATE TRUSS REQUIREMENTS WITH MEP, HVAC, AND DUCT WORK REQUIREMENTS.

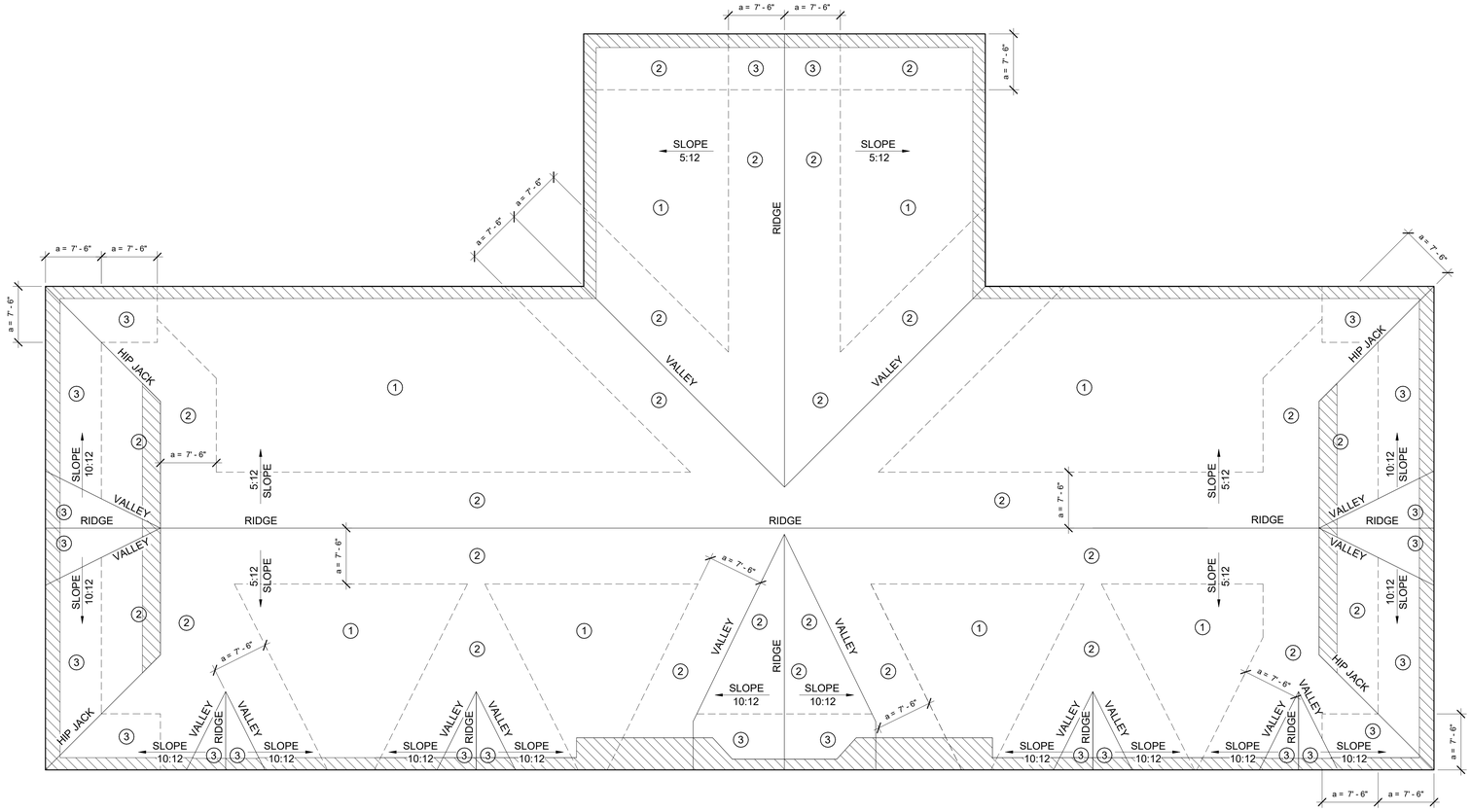
6. SUBMIT ERECTION DRAWINGS PREPARED BY FABRICATOR FOR APPROVAL BY ARCHITECT, THESE DRAWINGS SHALL INCLUDE:

A. PLACING DRAWINGS FOR STEEL AND TRUSS SYSTEM SHOWING MEMBERS, PITCH, SPAN, CAMBER, CONFIGURATION, TYPE, LOCATIONS, AND SPACING OF ALL MEMBERS. ALL ATTACHMENTS, BEARINGS, AND ANCHORAGE SHALL BE CLEARLY DETAILED ON DWGS. INDICATE SUPPLEMENTAL STRAPPINGS, BRACINGS, CLIPS AND OTHER ACCESSORIES REQUIRED FOR PROPER INSTALLATION, MEETING DESIGN CRITERIA OUTLINED.

B. CROSS SECTIONS, PLANS, AND ELEVATIONS DEPICTING COMPONENT LOCATIONS.

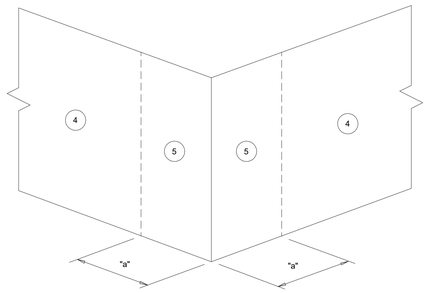
C. CONNECTION DETAILS SHOWING SCREW TYPES, NUMBER AND LOCATIONS, WELD LENGTHS AND LOCATIONS OR OTHER RELATED FASTENER REQUIREMENTS. ALL CONNECTIONS SHALL MEET OUTLINED DESIGN CRITERIA.

7. THE COLD-FORMED METAL TRUSSES SHALL BE SHOP FABRICATED BY THE TRUSS SUPPLIER. THE SPECIALTY ENGINEER FOR THE STEEL TRUSSES SHALL INSPECT ALL FABRICATED TRUSSES AND SHALL PROVIDE A LETTER CERTIFYING THAT THE TRUS



C&C ROOF DIAGRAM

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



C&C WALL DIAGRAM

C&C LEGEND:

WIND LOAD SEPARATION

OVERHANG

ROOF ULTIMATE WIND PRESSURES - BUILDING

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+40.9	-75.0
	20	+37.4	-63.6
	50	+32.8	-49.4
	100	+29.3	-43.3
2	10	+40.9	-101.5
	20	+37.4	-86.7
	50	+32.8	-67.1
	100	+29.3	-53.5
3	10	+40.9	-120.5
	20	+37.4	-102.2
	50	+32.8	-78.1
	100	+29.3	-59.9

"a" = 7' - 6"

ROOF ULTIMATE WIND PRESSURES - BUILDING OVERHANG

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 O.H.	10	+40.9	-98.5
	20	+37.4	-96.5
	50	+32.8	-79.6
	100	+29.3	-71.4
2 O.H. @ ZONE 4	10	+40.9	-136.4
	20	+37.4	-119.6
	50	+32.8	-97.3
	100	+29.3	-81.6
2 O.H. @ ZONE 5	10	+40.9	-147.8
	20	+37.4	-128.9
	50	+32.8	-104.0
	100	+29.3	-85.1
3 O.H.	10	+40.9	-155.3
	20	+37.4	-135.1
	50	+32.8	-108.3
	100	+29.3	-90.7

"a" = 7' - 6"

OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCPI) OF 0.0
OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 6.8 PSF)

WALL ULTIMATE WIND PRESSURES @ BUILDING

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+44.7	-48.5
	20	+42.7	-46.5
	50	+40.0	-43.8
	100	+38.0	-41.8
	500	+33.3	-37.1
5	10	+44.7	-59.9
	20	+42.7	-55.8
	50	+40.0	-50.5
	100	+38.0	-46.5
	500	+33.3	-37.1

"a" = 7' - 6"

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ISSUED FOR BUILDING PERMIT

DHM MELVIN ENGINEERING

WASHINGTON COUNTY

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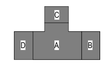

REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number **25014**
Dated 09-16-2025

WINDLOAD DIAGRAM

S002

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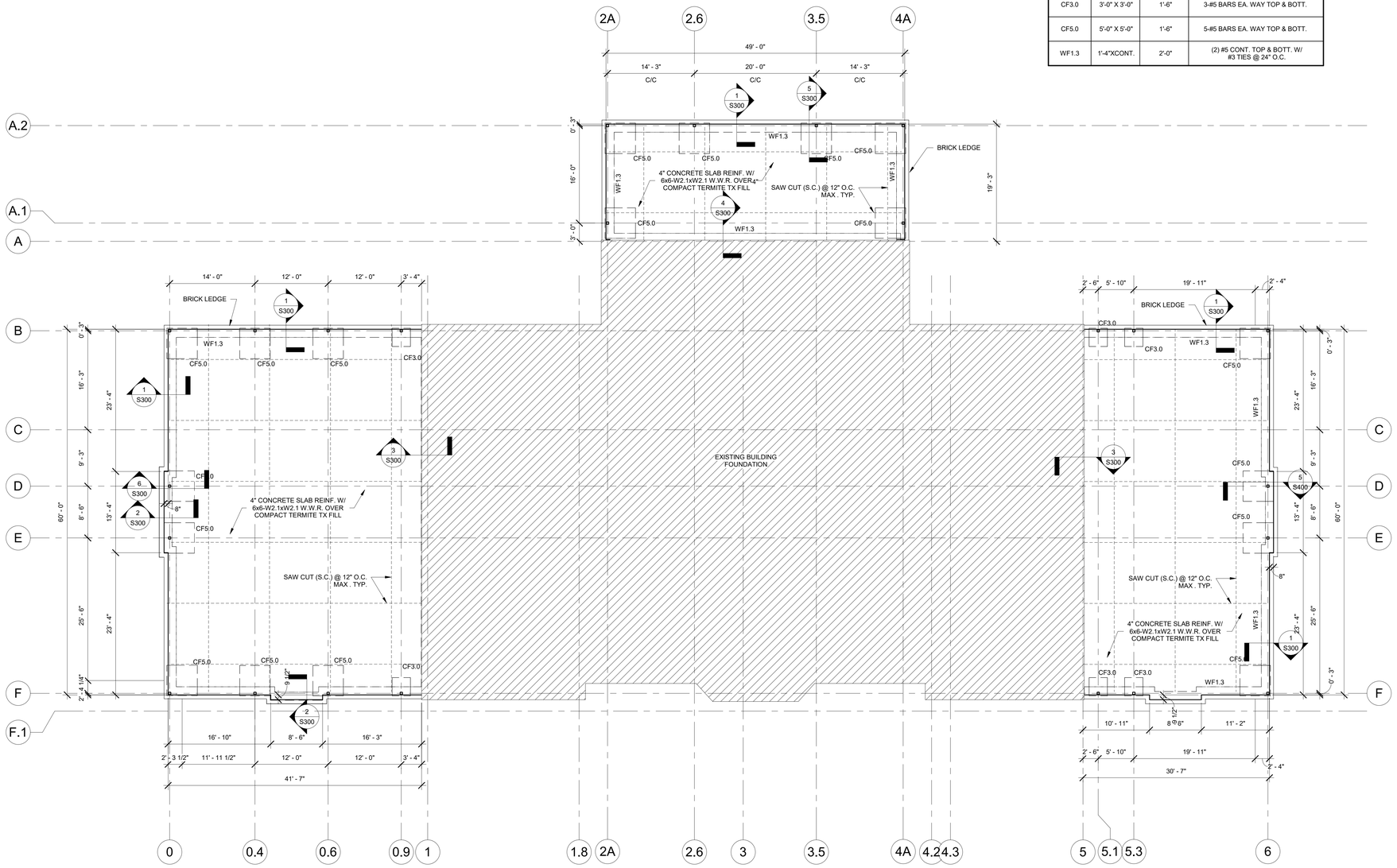
FOOTING SCHEDULE			
LABEL	SIZE	DEPTH "d"	REINFORCING
CF3.0	3'-0" X 3'-0"	1'-6"	3-#5 BARS EA. WAY TOP & BOTT.
CF5.0	5'-0" X 5'-0"	1'-6"	5-#5 BARS EA. WAY TOP & BOTT.
WF1.3	1'-4"XCONT.	2'-0"	(2) #5 CONT. TOP & BOTT. W/ #3 TIES @ 24" O.C.



FOUNDATION PLAN

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

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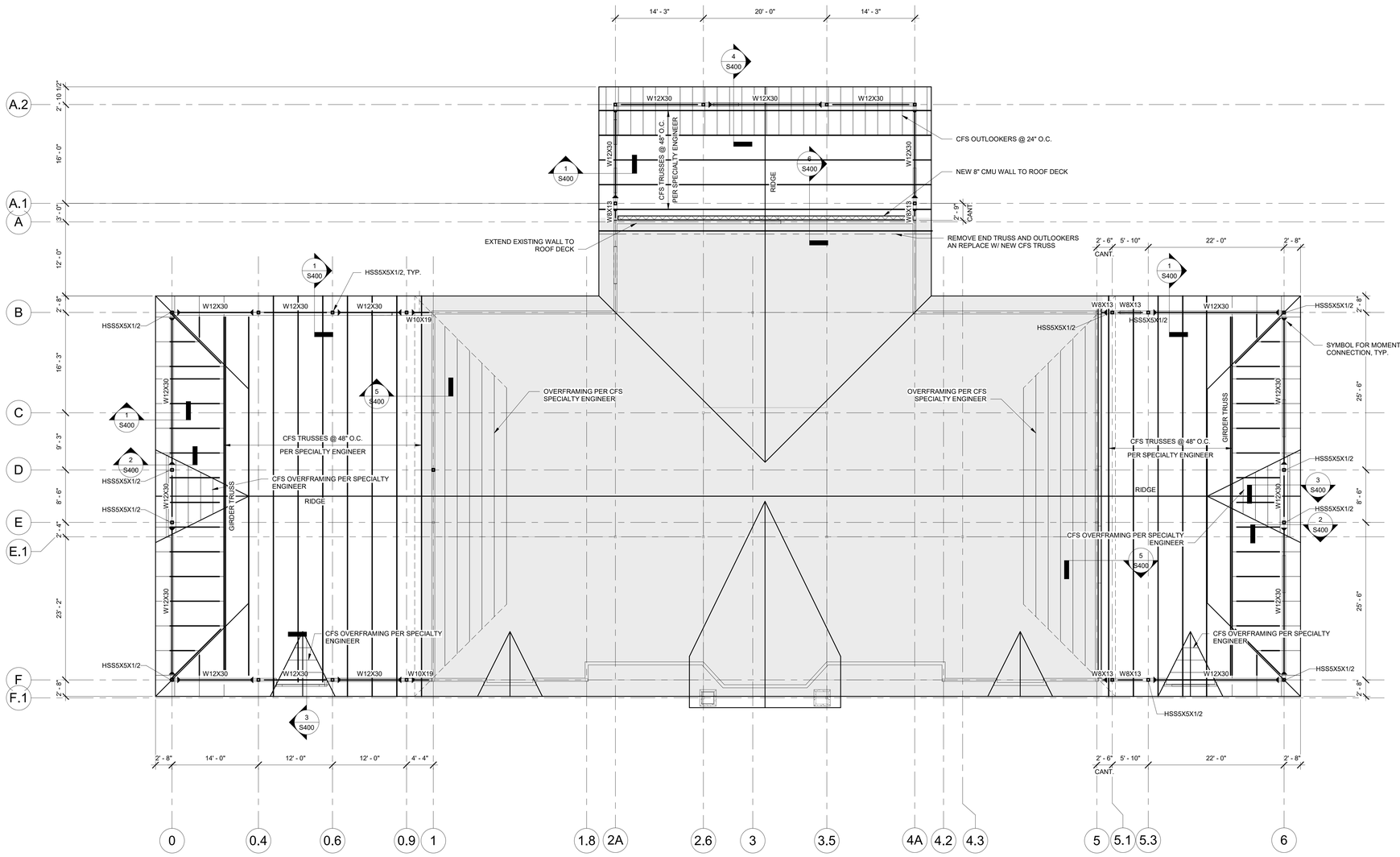
Dated	09-16-2025

FOUNDATION PLAN

S100



FRAMING PLAN

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

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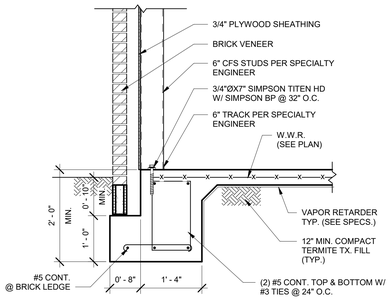
FRAMING PLAN

S200



1 S300 SECTION
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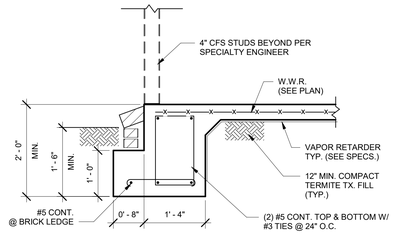

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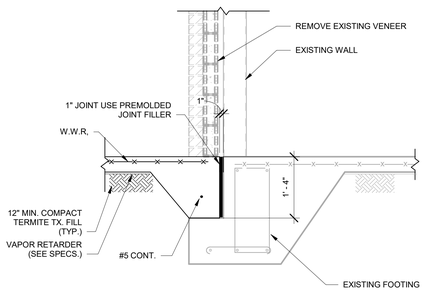

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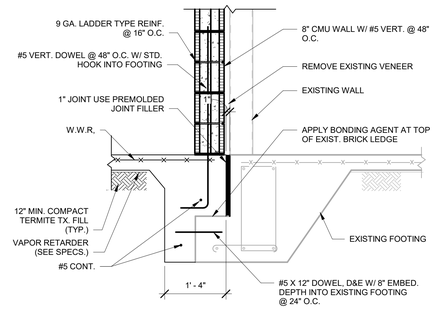

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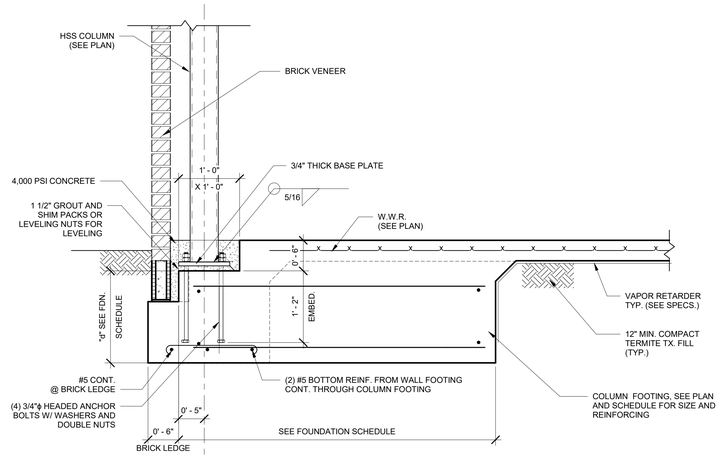

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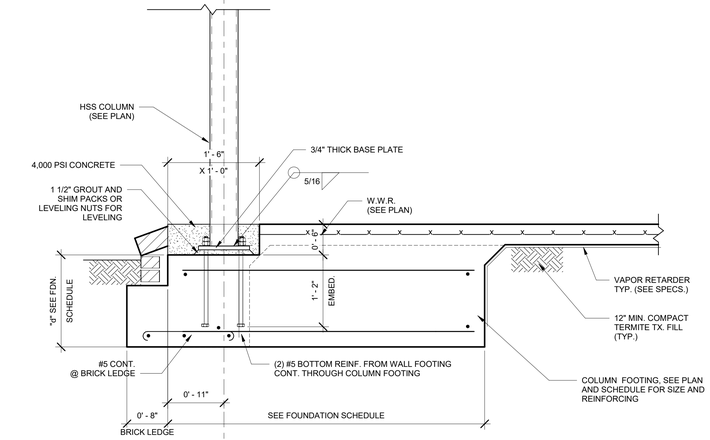

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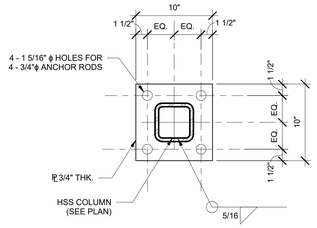
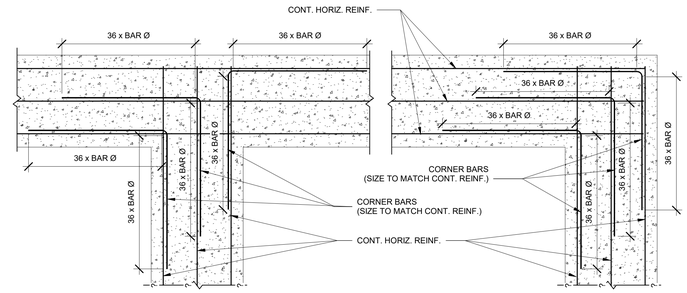


7 S300 COLUMN BASE PLATE
SCALE: 1 1/2" = 1'-0"



8 S300 FTG. REINF. AT CORNERS AND INTERSECTIONS
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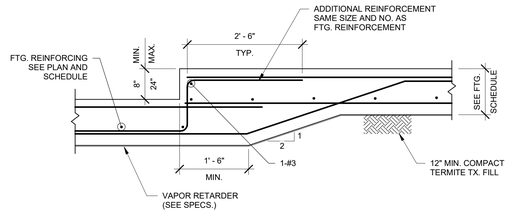
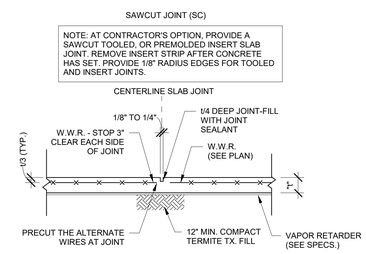


9 S300 STEP FOOTING DETAIL
SCALE: 3/4" = 1'-0"



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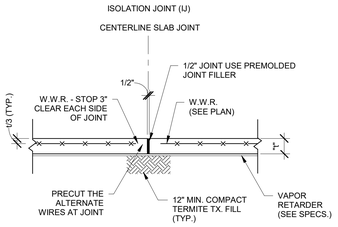

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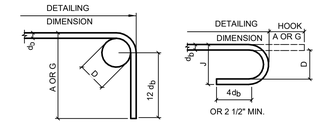
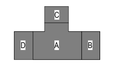


RECOMMENDED END HOOKS, ALL GRADES					
BAR SIZE	FINISHED BEND DIAMETER D,(IN.)	180° HOOKS		90° HOOKS	
		A OR G,(IN.)	J,(IN.)	A OR G,(IN.)	
#3	2 1/4	5	3	6	
#4	3	6	4	8	
#5	3 3/4	7	5	10	
#6	4 1/2	8	6	12	
#7	5 1/4	10	7	14	
#8	6	11	8	16	
#9	9 1/2	15	11 3/4	19	
#10	10 3/4	17	13 1/4	22	
#11	12	19	14 3/4	24	
#14	18 1/4	27	21 3/4	31	
#18	24	36	28 1/2	41	

D = INSIDE DIAMETER OF BEND

CONCRETE BAR SPLICE SCHEDULE						
BAR	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI	
	TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS
#3	28"	22"	25"	19"	22"	17"
#4	38"	29"	33"	25"	29"	23"
#5	47"	36"	41"	31"	36"	28"
#6	56"	43"	49"	37"	44"	34"
#7	81"	63"	71"	54"	63"	49"
#8	93"	72"	81"	62"	72"	56"
#9	105"	81"	91"	70"	81"	63"
#10	116"	89"	101"	78"	90"	69"



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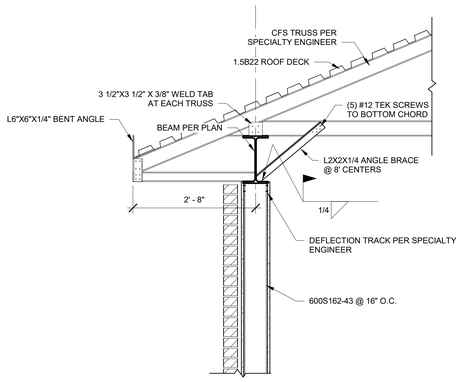
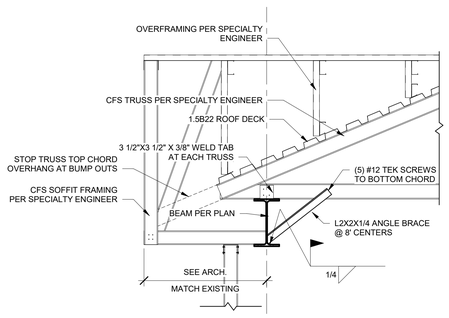


1 S400 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0"



2 S400 SECTION
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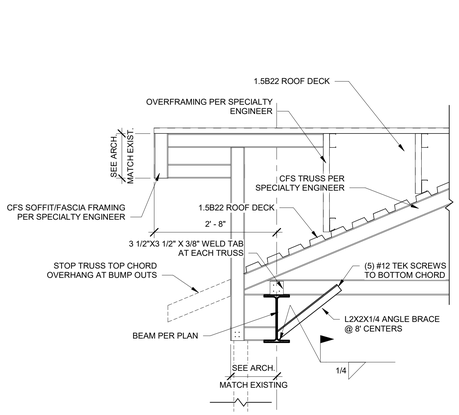

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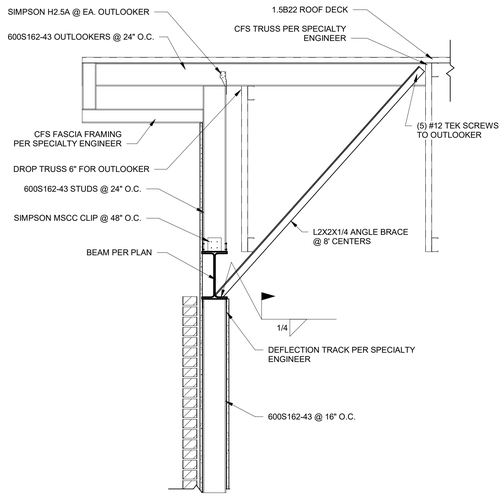
SCALE: 3/4" = 1'-0"



4 S400 EXTERIOR WALL SECTION
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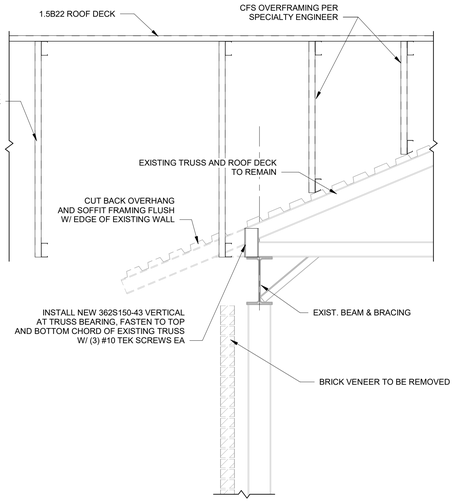
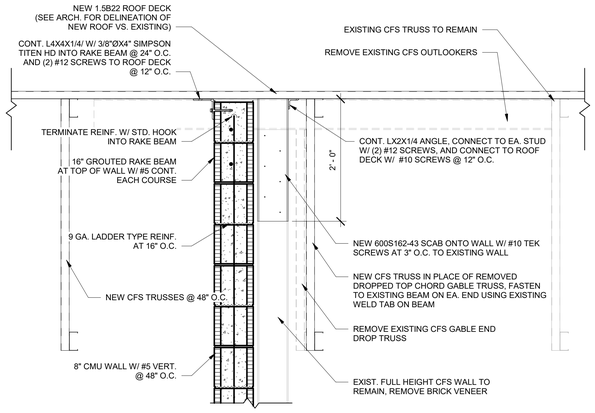
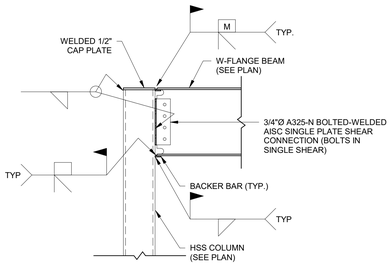


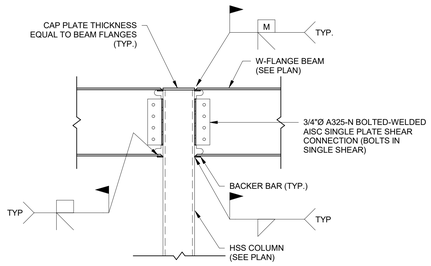
5 S400 SECTION
SCALE: 3/4" = 1'-0"



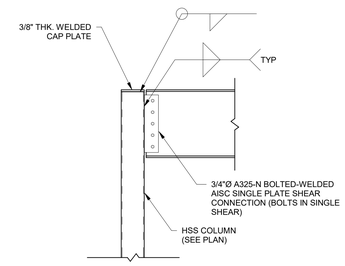
6 S400 SECTION
SCALE: 1" = 1'-0"



7 S400 MOMENT CONNECTION 1 SIDE
SCALE: 3/4" = 1'-0"

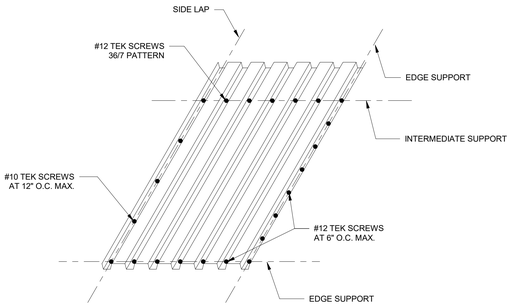


8 S400 MOMENT CONNECTION 2 SIDES
SCALE: 3/4" = 1'-0"



TYP. SHEAR CONNECTION

9 S400 SINGLE PLATE SHEAR CONNECTION
SCALE: 3/4" = 1'-0"



A S400 METAL DECK ATTACHMENT
SCALE: 3/4" = 1'-0"

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CHAPTER 1 - CODE REFERENCES

NEW CONSTRUCTION	CODE	EDITION
BUILDING	FLORIDA BUILDING CODE	2023 8TH EDITION
MECHANICAL	FLORIDA BUILDING CODE: MECHANICAL	2023 8TH EDITION
PLUMBING	FLORIDA BUILDING CODE: PLUMBING	2023 8TH EDITION
FIRE	FLORIDA FIRE PREVENTION CODE - NFPA 1 & 101	2023 8TH EDITION
ELECTRICAL	NATIONAL ELECTRIC CODE	2020 EDITION
ENERGY	FLORIDA BUILDING CODE: ENERGY CONSERVATION	2023 8TH EDITION
GAS	FLORIDA BUILDING CODE: FUEL GAS	2023 8TH EDITION
ACCESSIBILITY	FLORIDA BUILDING CODE: ACCESSIBILITY	2023 8TH EDITION

BUILDING DATA

CODE REFERENCE	DATA
CONSTRUCTION TYPE	TYPE IIB
SPRINKLER SYSTEM (FBC - SECTION 903, NFPA 101 - CHAPTER 6)	NOT SPRINKLERED
STANDPIPES (FBC - SECTION 905, LSC-CHAPTER 6)	N/A
FIRE DISTRICT (REFERENCE LOCAL AUTHORITY)	CITY OF CHIPLEY
HIGH RISE (FBC SECTION 403)	N/A
MEZZANINE (FBC SECTION 505)	N/A
FIRE ALARM (FBC SECTION 907)	YES
FIRE PUMP (FBC SECTION 913)	N/A

LIFE SAFETY 101-OCCUPANCY CLASSIFICATION

CODE REFERENCE	OCCUPANCY
NFPA: CHAPTER 12	NEW ASSEMBLY
FBC 2023: - 303.3	ASSEMBLY - GROUP A-3
FBC 2023: - 304	BUSINESS - GROUP B

CHAPTER 5 - ALLOWABLE BUILDING HEIGHTS AND AREAS

ALLOWABLE HEIGHTS (TYPE VB)			ALLOWABLE AREA (TYPE VB)	
OCCUPANCY CLASSIFICATION	ALLOWABLE NUMBER OF STORIES (TABLE 504.4)	ALLOWABLE HEIGHT (TABLE 504.3)	ALLOWABLE AREA FACTOR (TABLE 506.2) SM (Story Multi) PER FLOOR	AREA INCREASE PER FBC 506.3
A-2 ASSEMBLY	2	60'-0"	18,000 SQ FT.	PERIMETER INCREASE
B BUSINESS	2	60'-0"	18,000 SQ FT.	PERIMETER INCREASE

CHAPTER 5 - ACTUAL BUILDING HEIGHTS AND AREAS

ACTUAL HEIGHTS				ACTUAL AREA
SPACE	OCCUPANCY (FOR CALCULATING BUILDING AREA ONLY)	HEIGHT (Above Grade)	STORY	BUILDING AREA PROVIDED
LEVEL 01 - GROUND FLOOR	A-3	21'-0"	1	12,663.89 GROSS SF

CHAPTER 6 - FIRE RESISTANCE RATINGS - TABLE 601

BUILDINGS ELEMENTS (FBC TABLE 601, NFPA 101 TABLE A.8.2.1.2)		
TYPE II-B CONSTRUCTION	FIRE RESISTANCE RATING HOURS	COMMENTS
STRUCTURAL FRAME	0	
BEARING WALLS		
EXTERIOR	0	
INTERIOR	0	
NON-BEARING WALLS		
EXTERIOR	SEE TABLE 602	
INTERIOR	0	
FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	0	
ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	0	

CHAPTER 7 - FIRE RESISTANCE RATINGS - TABLE 705.5

FIRE SEPARATION DISTANCE = X(FEET)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP B, S - HOURS
X<5	ALL	1
5 < X < 10	IA OTHERS	1 1
10 < X < 30	IA, IB IIB, VB OTHERS	1 0 1
X >30	ALL	0

FIRE SEPARATIONS

VERTICAL SHAFTS (FBC SECTION 713.4)	1	WHEN CONNECTING LESS THAN FOUR (4) STORIES
WALLS & PENETRATIONS (FBC 714.3)		FILL SPACE AROUND PENETRATION WITH APPROVED MATERIAL TO PREVENT PASSAGE OF SMOKE OR FIRE AS REQUIRED

CHAPTER 7 - FIRE RESISTANCE RATED - OPENINGS

705.8 OPENNGS	
705.8.1 ALLOWABLE AREA OF OPENINGS	UNLIMITED UNPROTECTED OPENNGS ARE PERMITTED
EXCEPTION 1.1	WHERE A WALL FACES A STREET AND HAS A FIRE SEPARATION DISTANCE OF MORE THAN 15 FEET OR
EXCEPTION 1.2	WHERE THE WALL FACES AN UNOCCUPIED SPACE. THE UNOCCUPIED SPACE SHALL BE DEDICATED FOR PUBLIC USE, SHALL NOT BE LESS THAN 30 FEET IN WIDTH AND ACCESS FROM THE STREET.

CHAPTER 7 - OPENING PROTECTIVES

FBC TABLE 716.5 - FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (HOURS)	MIN. FIRE DOOR & FIRE SHUTTER ASSEMBLY RATING (HOURS)
FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING OF 1-HOUR:		
VERTICAL SHAFT	1	1
OTHER FIRE BARRIERS	1	3/4
OTHER FIRE BARRIERS	1	3/4
FIRE PARTITIONS: CORRIDOR WALLS	1 0.5	1/3b, 1/3b
OTHER FIRE PARTITIONS	1 0.5	1/3b, 1/3B
EXTERIOR WALLS	1	3/4
SMOKE BARRIERS: 30,000 SF SMOKE COMPARTMENTS	1	1/3b
SMOKE PARTITIONS: CORRIDOR WALLS AND CEILINGS	0	20 MINS NFPA 101, SECTION 8.3.4.2, FFPC

CHAPTER 8 - INTERIOR FINISH REQUIRMENTS

TABLE 803.11: INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED AS FOLLOWS AND SHALL BE RESTRICTED FOR USE BY THE FOLLOWING TABLE AS DEFINED IN FBC SECTION 803.1

	SPRINKLERED			NON-SPRINKLERED		
GROUP	INTERIOR EXIT STAIRWAYS, RAMPS, AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES	INTERIOR EXIT STAIRWAYS, RAMPS, AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURES FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
A-3	B	B	C	A	A	C
B	B	C	C	A	B	C

CHAPTER 10 - MEANS OF EGRESS RELATED REQUIREMENTS

	OCCUPANT	
MINIMUM CORRIDOR WIDTH (FBC SECTION 1020.3)	A-3 ASSEMBLY & B BUSINESS	44" OR AS REQUIRED BY OCCUPANT LOAD
DEAD END CORRIDORS NOT TO EXCEED (FBC SECTION 1020.5)	A-3 ASSEMBLY AREA, B BUSINESS	20 FEET GROUP B
EXIT ACCESS TRAVEL DISTANCE (FBC TABLE 1017.2)	A-3 ASSEMBLY AREA	A-3 & B NON-SPRINKLERED - 200 FEET
COMMON PATH OF EGRESS SHALL NOT EXCEED (FBC TABLE 1006.2.1)	A-3 ASSEMBLY AREA	A-3 & B NON-SPRINKLERED 75 FEET
MINIMUM NUMBER OF EXITS REQUIRED PER SPACE (FBC TABLE 1006.2.1)	<49	1 NUMBER OF EXITS GROUP A B, M
	50 OR MORE	2 EXITS
MINIMUM DOOR WIDTH (FBC 1010.1.1)	SIZED PER OCCUPANT LOAD	32" CLEAR MIN
MINIMUM CLEAR OPENING		32" CLEAR MIN
REQUIRES EGRESS WIDTHS (FBC SECTION 1005.3)		VERICAL EXIT COMPONENTS: 0.3" PER OCCUPANT HORIZONTAL EXIT COMPONENTS: 0.2" PER OCCUPANT
MEANS OF EGRESS ILLUMINATION (FBC SECTION 1008.1)		REQUIRED
MINIMUM EXITS PER STORY (TABLE 1006.3.1, 1006.3.3(1), OR 1006.3.3(2))	1-500	2 EXITS REQUIRED 4 EXITS REQUIRED
Per FBC 1029.2, the main entrance must accommodate 1/2 of occupant load as exit capacity.	(ASSEMBLY, OCCUPANT LOAD >300)	
MAXIMUM PROJECTION INTO CLEAR WIDTH OF DOOR (FBC SECTION 1010.8.1.1.1)		NO PROJECTIONS ALLOWED UP TO 34" ABOVE FINISH FLOOR 4" MAXIMUM WHEN 34" TO 80" ABOVE FINISH FLOOR
PROTRUDING OBJECTS (FBC, ACCESSIBILITY SECTION 307.2)		4" MAXIMUM BETWEEN 27" AND 80" ABOVE FINISH FLOOR FOR ELEMENTS LOCATED ON CIRCULATION PATHS, INCLUDING OPERABLE ELEMENTS

CHAPTER 10 - OCCUPANT LOAD FACTOR - TABLE 1004.5

PRIMARY OCCUPANCY: ASSEMBLY A-3, BUSINESS B			
FUNCTION (FBC - TABLE 1004.5 AND LSC - TABLE 7.3.1.2)	OCCUPANT LOAD FACTOR (FBC - TABLE 1004.5)	TOTAL SPACE	TOTAL OCCUPANTS
LIBRARY - READING ROOMS	50 SF PER PERSON - NET	954 SF	19
LIBRARY - STACK AREA	100 SF PER PERSON - GROSS	4,607 SF	46
KITCHENS, COMMERCIAL	200 SF PER PERSON - GROSS	172 SF	1
BUISNESS AREAS	150 SF PER PERSON - GROSS	2,667 SF	18
ASSEMBLY - STANDING SPACE	5 SF PER PERSON - NET	893 SF	179
ASSEMBLY - UNCONCENTRATED	15 SF PER PERSON - GROSS	3,124 SF	208

CHAPTER 10 - EGRESS SIZING 1005.3

EGRESS COMPONANT	INCHES PER OCCUPANT	OCCUPANTS	INCHES REQUIRED	INCHES PROVIDED
Level 01				
DOORS	0.2	471	81.6	

CHAPTER 12 - INTERIOR ENVIRONMENT

1203.1	PER FLORIDA BUILDING CODE - MECHANICAL	
1203.5.2.1	BATHROOMS SHALL BE MECHANICALLY VENTILATED	
1205.3	ARTIFICIAL LIGHT	10 FC @ 30"
1208.1	MINIMUM ROOM WIDTH	7' / 3' KITCHEN
1208.2	MINIMUM ROOM HEIGHT	7'-6"
1208.2.1	MINIMUM FURRED HEIGHT	7'
1208.3	ROOM AREA	120 NSF/ 70NSF
SECTION 1210	TOILET AND BATHROOM REQUIRMENTS	
1210.2.1 FLOORS AND WALL BASES	IN OTHER THAN DWELLING UNITS, TOILET, BATHING AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALLS NOT LESS THAN 4 INCHES (102MM).	
1210.2.2 WALLS AND PARTITIONS	WALLS AND PARTITIONS WITHIN 2 FEET (610 MM) OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET (1219 MM) ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.	
	ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, PAPE DISPENSERS AND SOAP DISHES, PROVIDED ON OR WITHIN WALLS, SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.	

FBC ENERGY CONSERVATION - CHAPTER 4 (CE)

CLIMATE ZONE - Table C301.1	2A- Bay County
C401. APPLICATION	C402, C403, C404, C405
C402.1.3 Insulation component R-value-based method	
Table C402.1.3 OPAQUE THERMAL ENVELOPE REQUIREMENTS	2, ALL OTHERS
ROOF	R-values
Insulation Entirely Above Deck	R-25ci
WALLS, ABOVE GRADE	
Mass	R-5.7ci
Metal Framed	R-13+R5ci
SLAB-ON-GRADE FLOORS	
Unheated slabs	Not Rated
OPAQUE DOORS	
Non-swinging	R-4.75
C402.1.4 Assembly U-Factor, C-Factor or F-Factor method	
Table C402.1.4 OPAQUE THERMAL ENVELOPE ASSEMBLY REQUIREMENTS	2, ALL OTHERS
ROOF	U-factors
Insulation Entirely Above Deck	U-0.039
WALLS, ABOVE GRADE	
Mass	U-0.151
Metal Framed	U-0.077
SLAB-ON-GRADE FLOORS	
Unheated slabs	F-0.73
OPAQUE DOORS	
Swinging	U-0.61
Table C402.3 Minimum Roof Reflectiance	Three-year-aged solar reflective index of 64
C402.4 Fenestration	
Table C402.4 Building Envelope Requirements: Fenestration	U-factor
Fixed Fenestration	0.50
Operable Fenestration	0.65
Entrance Doors	0.83
SHGC	SHGC 0.25 (PF<0.2, SEW ORIENTATION)
C402.5 Air Leakage (Mandatory)	
C402.5.1 Air Barriers	Required in Zone 2A, Bay County
C403 Building Mechanical Systems (Mandatory)	See Mechanical Documents Under Separate Cover
C404 Service Water Heating(Mandatory)	See Plumbing Documents Under Separate Cover
C405 Electrical Power and Lighting Systems(Mandatory)	See Electrical Documents Under Separate Cover
C408 System Commissioning	
C408.2	Exception 1 - Less than 480,000 Btu/h cooling capacity and 600,000 Btu/h heating capacity

CHAPTER 29 - PLUMBING FEATURES

USE/ OCCUPANCY	OCCUPANT LOAD (DEVIDE TOTAL BY 2, HALF FOR EACH SEX)	WATER CLOSETS				LAVATORIES				DRINKING FOUNTAINS		SERVICE SINK	
		MALE		FEMALE		MALE		FEMALE					
		REQUIRED	PROVIDED WC + URN = T	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED, 1 SER. SINK	PROVIDED
A2 - ASSEMBLY	328 (164)	1 PER 125	3	5+1=6	1 PER 65	3	6	1 PER 200	1	4	1 PER 200	1	5	1 PER 500	1	1		1
B - BUSINESS	13 (6.5)	1 PER 25 & 50	1	1	1 PER 25 & 50	1	1	1 PER 40 & 80	1	1	1 PER 40& 80	1	1	1 PER 100	1	1		1

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Dated 09-16-2025

CODE DATA

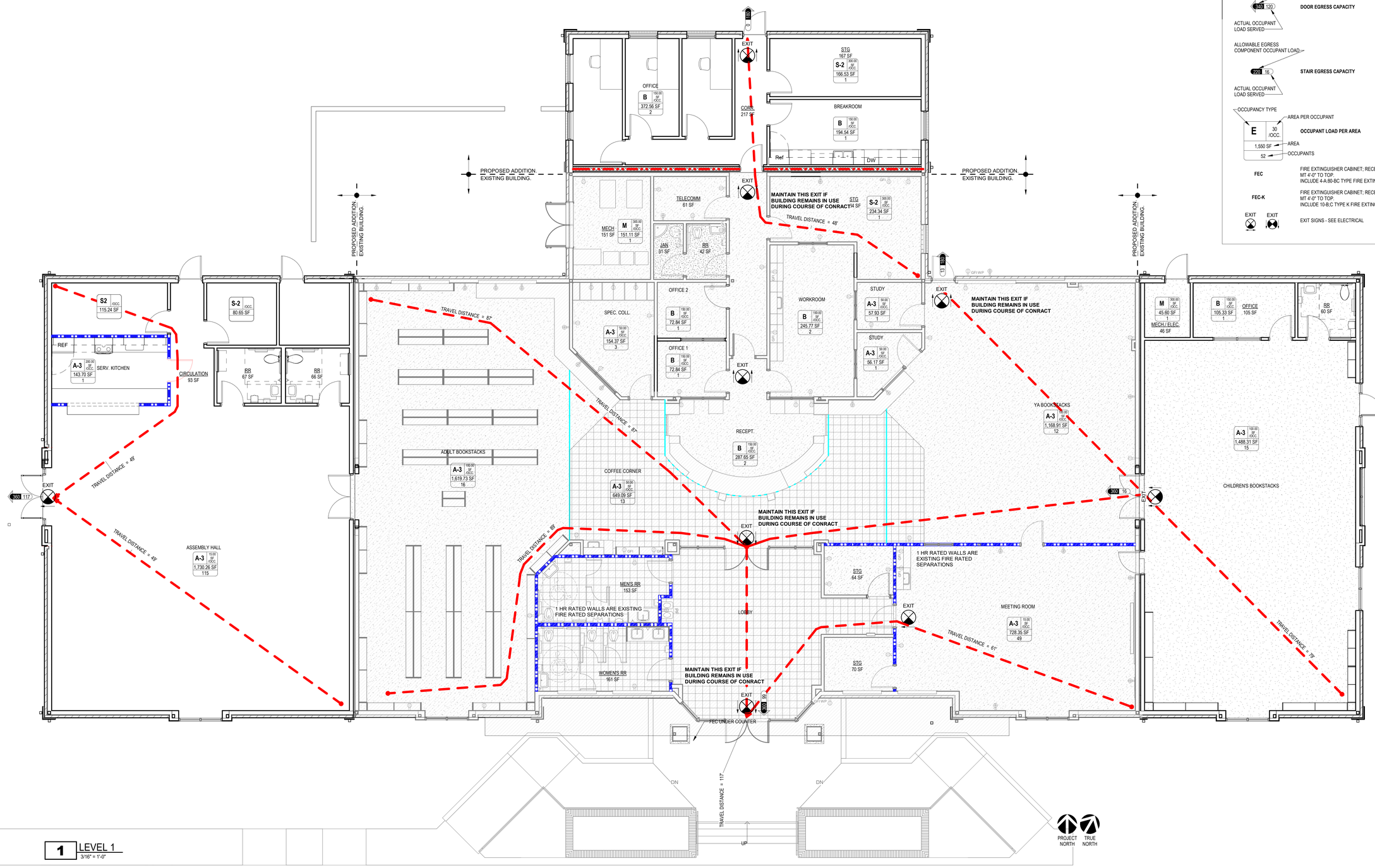
LS001

TRAVEL DISTANCES

PATH ID	TRAVEL DISTANCE ON PATH
001	49' - 4"
002	48' - 8"
003	87' - 1"
004	89' - 1"
005	61' - 0"
006	117' - 5"
007	78' - 10"
008	48' - 6"

LIFE SAFETY SYMBOLS

- ONE HOUR-RATED FIRE BARRIER
- TWO HOUR-RATED FIRE BARRIER
- PATH OF TRAVEL (TRAVEL DIST. = XX; START POINT; END POINT; TRAVEL DISTANCE (IN FEET))
- DOOR EGRESS CAPACITY (ALLOWABLE EGRESS COMPONENT OCCUPANT LOAD; ACTUAL OCCUPANT LOAD SERVED)
- STAIR EGRESS CAPACITY (ALLOWABLE EGRESS COMPONENT OCCUPANT LOAD; ACTUAL OCCUPANT LOAD SERVED)
- OCCUPANCY TYPE; AREA PER OCCUPANT; OCCUPANT LOAD PER AREA; AREA; OCCUPANTS
- FEC — FIRE EXTINGUISHER CABINET; RECESSED; MT 4'-0" TO TOP. INCLUDE 4-A:80-BC TYPE FIRE EXTINGUISHER
- FEC-K — FIRE EXTINGUISHER CABINET; RECESSED; MT 4'-0" TO TOP. INCLUDE 10-B,C TYPE K FIRE EXTINGUISHER
- EXIT EXIT — EXIT SIGNS - SEE ELECTRICAL



1 LEVEL 1
3/16" = 1'-0"

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LIFE SAFETY PLAN
LEVEL 1

LS111

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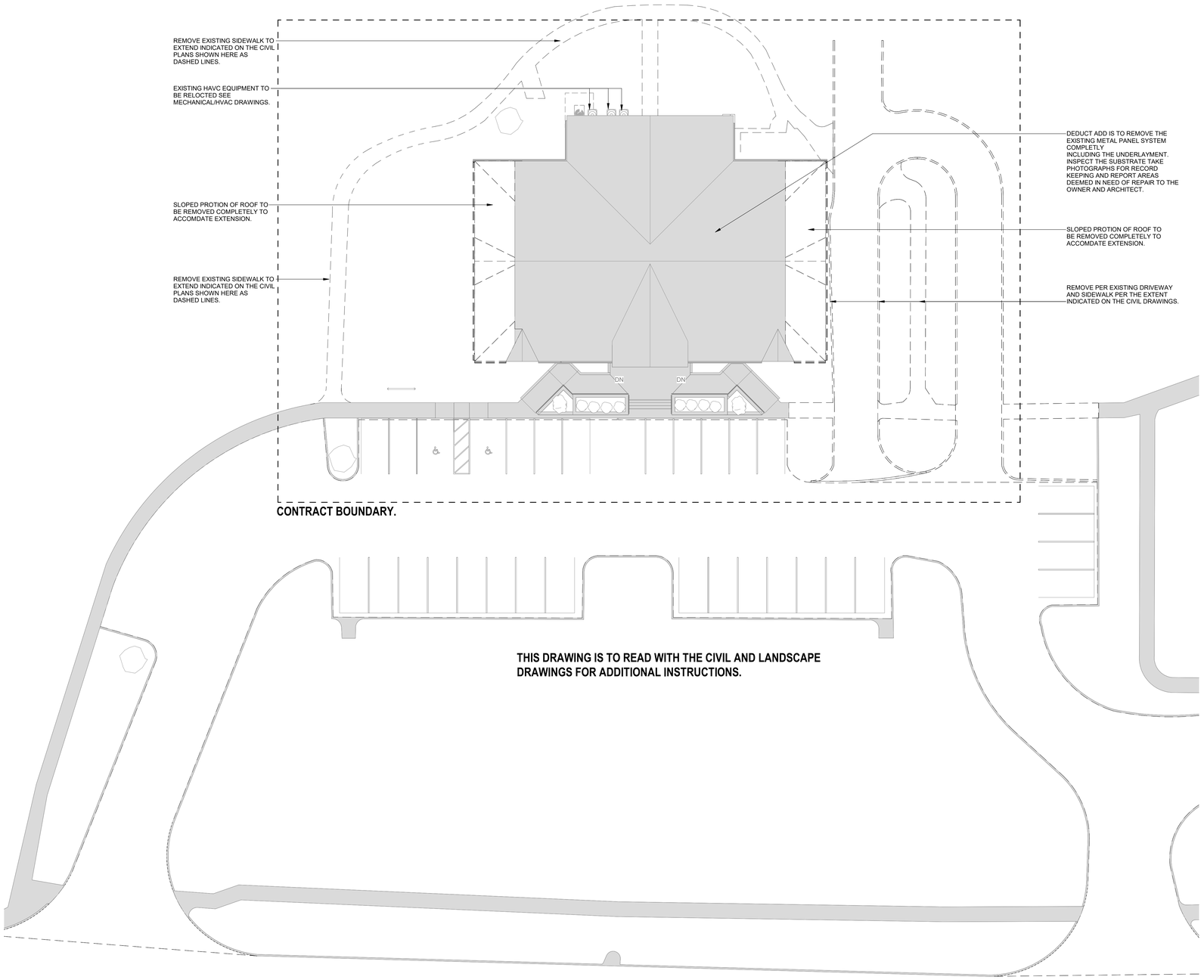

1 DEMOLITION SITE PLAN
1 : 180

1" = 20'-0" SCALE — 20 0 20 40 FEET

PROJECT NORTH — TRUE NORTH

GENERAL DEMOLITION NOTES:

1. EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS AND PRIVATE RECORDS AS SUPPLIED BY THE PROJECT OWNER AND/OR DATA OBTAINED VERBALLY FROM OFFICIALS ASSOCIATED WITH THE PARTICULAR UTILITY. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE ACCURACY COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS ON THE CONSTRUCTION SITE WITHIN THE BOUNDRY OF THE CONTRACT.
2. OTHER UNDERGROUND UTILITIES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT , MARK AND ADVISE THE OWNER AND ENGINEER OF RECORD.
3. ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
5. THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL UTILITY PURVEYANCE, AND CITY OR STATE RECORDS RELATIVE TO EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO THESE FACILITIES AN RESTORE ALL UTILITIES AT CONTRACTOR'S OWN EXPENSE.
6. DO NOT SHUT OFF OR CAP UTILITIES WITHOUT PRIOR NOTICE TO THE OWNER, COORDINATE WORK WITH LOCAL UTILITY PURVEYORS.
7. RESTORE WORKS NOT INTENDED AS PART OF THIS CONTRACT THAT WERE DISTURBED BY DEMOLITION AND NEW WORKS. PATCH AND MAKE GOOD TO THEIR ORIGINAL CONDITION,
8. PROTECT FROM HARM ANY TREES, OR OTHER OBJECTS SELECTED TO REMAIN.
9. ERECT BARRIERS, SHORING AND THE LIKE TO PROTECT PERSONNEL, CONSTRUCTION AND VEGETATION TO REMAIN.
10. MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC ROUTES; ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDE ADJACENT FACILITIES; DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, OR PASSAGEWAYS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION; MAINTAIN FIRE ACCESS ALONG ACCESS ROAD AT ALL TIMES; MEET ALL APPLICABLE ORDINANCES. WHERE ROUTES ARE PERMITTED TO BE CLOSED, PROVIDE ALTERNATE ROUTES IF REQUIRED.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, SETTING AND MARKING ALL LINE AND LOCATION STAKES, INCLUDING OFFSETS AND GENERAL CONSTRUCTION STAKING. WHEN WORK REQUIRING CONTROL IS PERFORMED, ALL NECESSARY RELATED EQUIPMENT, SUPPLIES AND INSTRUMENTS SHALL BE ON SITE. A QUALIFIED LAYOUT ENGINEER, SURVEYOR.
12. SPECIALISTS MUST BE ASSIGNED TO THE CONTRACTOR'S CREW FOR THIS WORK. THIS EQUIPMENT AND PERSONNEL MUST BE AVAILABLE, AT NO ADDITIONAL COST TO OWNER FOR THE PURPOSE OF VERIFYING LAYOUT AND CERTIFYING THE ACCURA WORK ON THE SITE.
13. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL BENCHMARKS AND STAKES AND THE REPLACEMENT OF ANY THAT ARE DISPLACED OR MISSING.
14. THE REFUSE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED BY THE CONTRACTOR IN A MANNER COMPLIANT WITH ALL GOVERNMENT REGULATIONS. IN NO CASE SHALL REFUSE MATERIAL BE LEFT ON THE PROJECT SITE, SHOVED ON ABUTTING PRIVATE PROPERTIES, OR BE BURIED IN EMBANKMENTS OR TRENCHES ON THE PROJECT SITE. DEBRIS SHALL NOT BE DEPOSITED IN ANY STREAM OR BODY OF WATER, WETLAND, OR IN ANY STREET OR ALLEY, OR UPON ANY PRIVATE PROPER BY WRITTEN CONSENT OF THE PRIVATE PROPERTY OWNER. MAINTAIN HAULING ROUTES CLEAN AND FREE OF ANY DEBRIS FROM DEMOLITION WORK ON THIS PROJECT.
15. THE OWNER RESERVES THE RIGHT TO KEEP ANY MATERIALS THAT ARE DESIGNATED FOR REMOVAL COORDINATE REMOVALS WITH OWNER. CAREFULLY REMOVE ITEMS IDENTIFIED TO BE KEPT BY OWNER AND STORE AT THE LOCATION DESIGNATED BY OWNER.
16. ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS AS REQUIRED TO INTEGRATE WITH NEW CONSTRUCTION.
17. COORDINATE SCOPE AND EXTENT OF DEMOLITION WORK WITH NEW WORK PLANS AND DETAILS.
18. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION, CUTTING, AND PATCHING REQUIRED FOR INSTALLATION OF NEW WORK.
19. ALL WALLS, DOORS, FRAMES, AND RELATED HARDWARE ASSEMBLIES DESIGNATED AS "TO BE REMOVED" SHALL BE COMPLETELY REMOVED AND DISPOSED OF AS DESIGNATED BY OWNER/TENANT. ALL EXISTING WALLS NOT DESIGNATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE AND REMAIN "AS-IS".
20. IN OCCUPIED BUILDINGS, ANY CONSTRUCTION BEYOND 48 HOURS MUST BE ISOLATED WITH HARD BARRIER WALL (1 HR. RATED), PER BUILDING CODE.1 HOUR FIRE RATED PLASTIC BARRIER MAY BE USED, VERIFY WITH LOCAL AHJ. PROVIDE ANY/ALL DUST CONTROL AND INFECTION CONTROL.
21. PHASED CONSTRUCTION MAY BE REQUIRED, FINAL NUMBER OF PHASES TBD BY OWNER/ ARCHITECT/ GC PRIOR TO CONSTRUCTION. CONTRACTOR PROVIDE ALL TEMP. CONSTRUCTION MEASURES AS REQUIRED BY LOCAL AHJ (EXIT SIGNS, EMERGENCY LIGHTING, CONSTRUCTION LIGHTING, EGRESS SIGNAGE, ETC.)
22. PROTECT EXISTING FLOORS FROM DAMAGE DURING THE COURSE OF THIS CONTRACT.
23. ALL DEMOLITION WORK SHALL BE PERFORMED IN A NEAT AND WORKMANSHIP MANNER. ALL SURFACES ADJACENT TO AND ABUTTING TO THOSE DESIGNATED "TO BE REMOVED" SHALL BE LEFT WITH SMOOTH AND FLUSH APPEARANCE.
24. REFER TO MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
25. GENERAL PRECAUTIONS SHALL BE TAKEN AS NECESSARY TO HOLD ALL DISRUPTION, DUST, DIRT, NOISE, AND DEBRIS TO A MINIMUM. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH OWNER TO ENSURE THAT IMPACTS ON THE BALANCE OF THE BUILDING ARE HELD TO A MINIMUM.
26. PREPARE ALL SURFACES TO RECEIVE THE NEW WORK AND FINISHES OF THE CONTRACT, MANUFACTURERS INSTALLATION INSTRUCTIONS FOR NEW MATERIALS SUPERCEDE THAT OF THE SPECIFICATION.
27. THE CONTRACTOR SHALL DESIGN, PROVIDE, INSTALL AND MAINTAIN ANY AND ALL TEMPORARY BRACING AS REQUIRED TO ENSURE THE STABILITY OF THE BUILDING ASSEMBLY AND/OR ANY SYSTEMS AND/OR SUB-ASSEMBLIES AND/OR SYSTEMS APPURTENANT THERETO UNTIL SAID ASSEMBLY AND/OR SUB-ASSSEMBLIES ARE COMPLETE, SELF-SORTING AND/OR STABLE.
28. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE DESIGNATED BY E.O.R.
29. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
30. EXISTING PIPING AND EQUIPMENT, ETC., NOT TO BE UTILIZED IN THE COMPLETED BUILDING SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED EATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION. REFER TO DRAWINGS.
31. DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS OR PORTIONS OF SYSTEMS WHERE USE IS TO BE DISCONTINUED ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THE CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
32. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
33. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING OPERATION AS POSSIBLE.
34. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.
35. SALVAGE EXISITNG BRICK MASONRY AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE COR OR INDICATED ON CONSTRUCTION DRAWINGS.
36. MAINTAIN AND PROTECT ALL REQUIRED EXITING DURING DEMOLITION AND NEW CONSTRUCTION SEE LIFE SAFETY DRAWINGS.
37. SUPPLY AND INSTALL DUST AND CONTAMINANT HOARDING DURING THE COURCE OF THE CONTRACT. ENSURE CONSTRUCITON AND DEMOLITION DEBRIES DOES NOT INFILTRATE THE EXISTING HVAC SYSTEMS. SEE PLANS FOR PROPOSED LOCATIONS ADJUST AS NECCESSARY MAINTAIN REQUIRED EXISING THROUGH.
38. INSPECT AND MAINTAIN HELPA CONDITIONS WITHIN DUCTWORK DURING THE COURSE OF THE CONTRACT.
39. ITEMS NOT TO BE RETAINED BY OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.. IT IS THE CONTRACTORS IS RESPONSIBLE FOR LEGALLY DISPOSING OF ALL MATERIALS AND ASSOCIATED COST OF INTERIM STORAGE FACILITIES (DUMPSTER).
40. PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK CONTRACTOR SHALL INVESTIGATE EXISTING LOAD BEARING WALL CONDITIONS. IF LOAD BEARING WALLS ARE ENCOUNTERED AND NEED ALTERATIONS DUE TO THE NEW FLOOR PLAN LAYOUT, THE STRUCTURE SHALL BE SHORED, BRACED AND SUPPORTED AS NEEDED TO MAINTAIN STRUCTURAL INTEGRITY DURING STRUCTURE MODIFICATIONS. PROVIDE TEMPORARY SHORING TO STRUCTURE AS NEEDED DURING THE CUTTING OF NEW OPENINGS.
41. CONTRACTOR IS RESPONSIBLE FOR MEANS & METHODS INCLUDING ESTABLISHING AND MAINTAINING A SAFE OSHA COMPLIANT WORK ENVIRONMENT.
42. PROVIDE TRENCHING, FLOOR, WALL AND CEILING PENETRATIONS AS NEEDED FOR THE INSTALLATION OF SCHEDULED PLUMBING FIXTURES. ACCESS TO PLUMBING LINES LOCATED ABOVE FLOOR CEILING AREAS SHALL BE COORDINATED WITH OWNER AS NEEDED. PLUMBING LINESSHALL BE CAPPED OR REMOVED AS REQUIRED FOR SCHEDULED CONSTRUCTION. ALL NEW FINISHES SHALL BE PATCHED AND REFINISHED AS NEEDED TO PROVIDE FLUSH, SMOOTH AND COMPATIBLE FINISHES TO ADJACENT AREAS.
43. ALL EXISTING PIPING PENETRATIONS THRU CONCRETE DECK TO BE ABANDONED MUST BE CAPPED A MINIMUM OF 6" BELOW SLAB. EXISTING CONCRETE SLABS AND EDGES MUST BE LEFT READY TO ACCEPT PREPARATIONS FOR OWNER SELECTED FINISHES.
44. DO NOT DAMAGE EXISTING FIRE PROTECTIONS AND FIRE SEPARATION ASSEMBLIES. REPAIR ANY DAMAGES INCURRED BY THIS CONTRACT IMMEDIATELY TO RESTORE THE ORIGINAL FIRE PROTECTION RATING AND SEPARATION RATING.

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SITE DEMOLITION PLAN
AD-101

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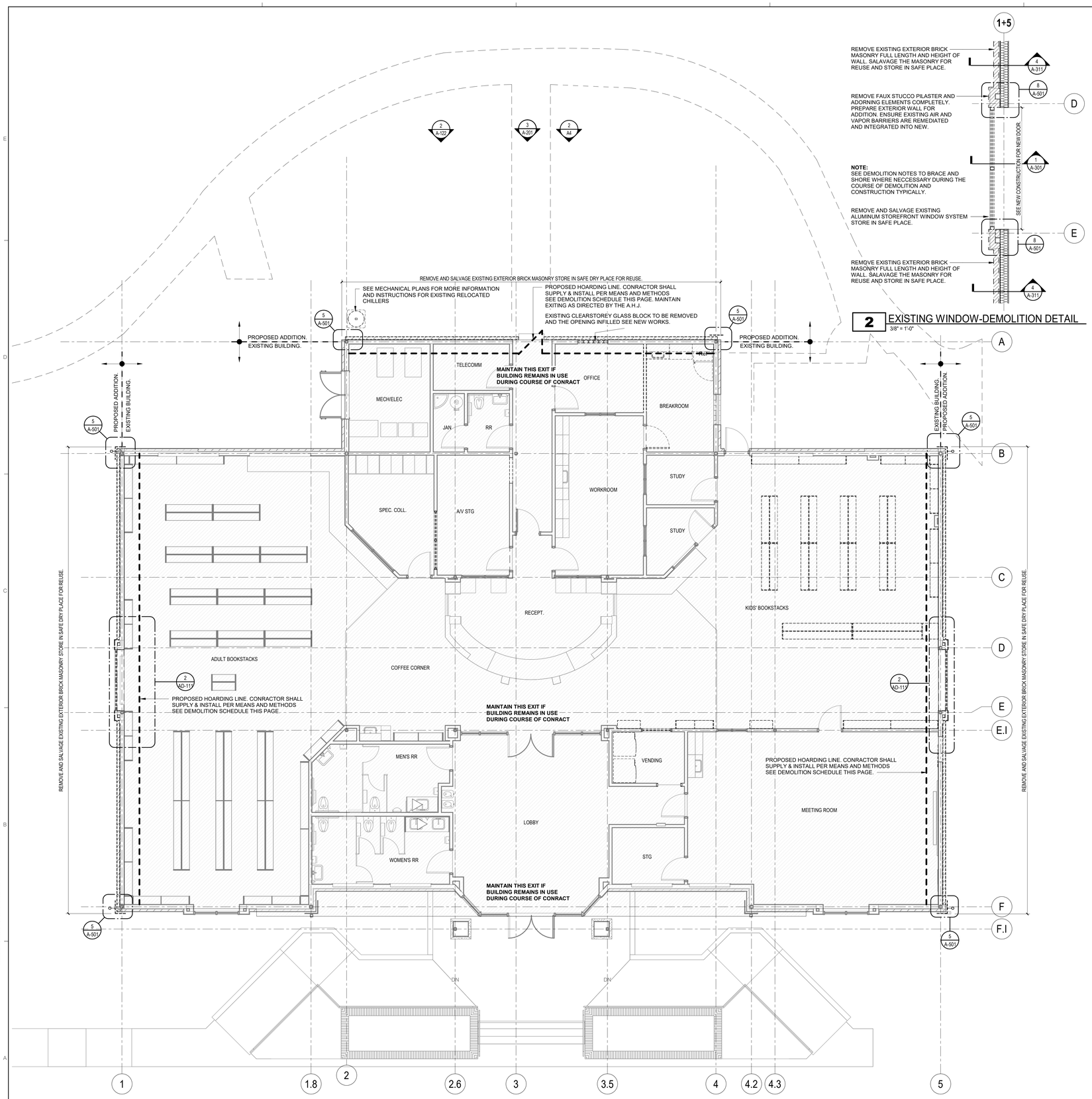

1 LEVEL 1 DEMOLITION FLOOR PLAN
3/16" = 1'-0"

PROJECT NORTH TRUE NORTH

2 EXISTING WINDOW-DEMOLITION DETAIL
3/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS AND PRIVATE RECORDS AS SUPPLIED BY THE PROJECT OWNER AND/OR DATA OBTAINED VERBALLY FROM OFFICIALS ASSOCIATED WITH THE PARTICULAR UTILITY. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE ACCURACY COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS ON THE CONSTRUCTION SITE WITHIN THE BOUNDRY OF THE CONTRACT.
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10. MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC ROUTES: ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDE ADJACENT FACILITIES; DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, OR PASSAGEWAYS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION; MAINTAIN FIRE ACCESS ALONG ACCESS ROAD AT ALL TIMES; MEET ALL APPLICABLE ORDINANCES. WHERE ROUTES ARE PERMITTED TO BE CLOSED, PROVIDE ALTERNATE ROUTES IF REQUIRED.
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18. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION, CUTTING, AND PATCHING REQUIRED FOR INSTALLATION OF NEW WORK.
19. ALL WALLS, DOORS, FRAMES, AND RELATED HARDWARE ASSEMBLIES DESIGNATED AS "TO BE REMOVED" SHALL BE COMPLETELY REMOVED AND DISPOSED OF AS DESIGNATED BY OWNER/TENANT. ALL EXISTING WALLS NOT DESIGNATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE AND REMAIN "AS-IS".
20. IN OCCUPIED BUILDINGS, ANY CONSTRUCTION BEYOND 48 HOURS MUST BE ISOLATED WITH HARD BARRIER WALL (1 HR. RATED), PER BUILDING CODE.1 HOUR FIRE RATED PLASTIC BARRIER MAY BE USED, VERIFY WITH LOCAL AHJ. PROVIDE ANY/ALL DUST CONTROL AND INFECTION CONTROL.
21. PHASED CONSTRUCTION MAY BE REQUIRED, FINAL NUMBER OF PHASES TBD BY OWNER/ ARCHITECT/ GC PRIOR TO CONSTRUCTION. CONTRACTOR PROVIDE ALL TEMP. CONSTRUCTION MEASURES AS REQUIRED BY LOCAL AHJ (EXIT SIGNS, EMERGENCY LIGHTING, CONSTRUCTION LIGHTING, EGRESS SIGNAGE, ETC.)
22. PROTECT EXISTING FLOORS FROM DAMAGE DURING THE COURSE OF THIS CONTRACT.
23. ALL DEMOLITION WORK SHALL BE PERFORMED IN A NEAT AND WORKMANSHIP MANNER. ALL SURFACES ADJACENT TO AND ABUTTING TO THOSE DESIGNATED "TO BE REMOVED" SHALL BE LEFT WITH SMOOTH AND FLUSH APPEARANCE.
24. REFER TO MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
25. GENERAL PRECAUTIONS SHALL BE TAKEN AS NECESSARY TO HOLD ALL DISRUPTION, DUST, DIRT, NOISE, AND DEBRIS TO A MINIMUM. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH OWNER TO ENSURE THAT IMPACTS ON THE BALANCE OF THE BUILDING ARE HELD TO A MINIMUM.
26. PREPARE ALL SURFACES TO RECEIVE THE NEW WORK AND FINISHES OF THE CONTRACT, MANUFACTURERS INSTALLATION INSTRUCTIONS FOR NEW MATERIALS SUPERCEDE THAT OF THE SPECIFICATION.
27. THE CONTRACTOR SHALL DESIGN, PROVIDE, INSTALL AND MAINTAIN ANY AND ALL TEMPORARY BRACING AS REQUIRED TO ENSURE THE STABILITY OF THE BUILDING ASSEMBLY AND/OR ANY SYSTEMS AND/OR SUB-ASSEMBLIES AND/OR SYSTEMS APPURTENANT THERETO UNTIL SAID ASSEMBLY AND/OR SUB-ASSSEMBLIES ARE COMPLETE, SELF-SORTING AND/OR STABLE.
28. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE DESIGNATED BY E.O.R.
29. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
30. EXISTING PIPING AND EQUIPMENT, ETC., NOT TO BE UTILIZED IN THE COMPLETED BUILDING SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED EATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION. REFER TO DRAWINGS.
31. DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS OR PORTIONS OF SYSTEMS WHERE USE IS TO BE DISCONTINUED ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THE CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
32. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
33. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING OPERATION AS POSSIBLE.
34. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.
35. SALVAGE EXISITNG BRICK MASONRY AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE COR OR INDICATED ON CONSTRUCTION DRAWINGS.
36. MAINTAIN AND PROTECT ALL REQUIRED EXITING DURING DEMOLITION AND NEW CONSTRUCTION SEE LIFE SAFETY DRAWINGS.
37. SUPPLY AND INSTALL DUST AND CONTAMINANT HOARDING DURING THE COURCE OF THE CONTRACT. ENSURE CONSTRUCITON AND DEMOLITION DEBRIES DOES NOT INFILTRATE THE EXISTING HVAC SYSTEMS. SEE PLANS FOR PROPOSED LOCATIONS ADJUST AS NECCESSARY MAINTAIN REQUIRED EXISING THROUGH.
38. INSPECT AND MAINTAIN HELPA CONDITIONS WITHIN DUCTWORK DURING THE COURSE OF THE CONTRACT.
39. ITEMS NOT TO BE RETAINED BY OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.. IT IS THE CONTRACTORS IS RESPONSIBLE FOR LEGALLY DISPOSING OF ALL MATERIALS AND ASSOCIATED COST OF INTERIM STORAGE FACILITIES (DUMPSTER).
40. PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK CONTRACTOR SHALL INVESTIGATE EXISTING LOAD BEARING WALL CONDITIONS. IF LOAD BEARING WALLS ARE ENCOUNTERED AND NEED ALTERATIONS DUE TO THE NEW FLOOR PLAN LAYOUT, THE STRUCTURE SHALL BE SHORED, BRACED AND SUPPORTED AS NEEDED TO MAINTAIN STRUCTURAL INTEGRITY DURING STRUCTURE MODIFICATIONS. PROVIDE TEMPORARY SHORING TO STRUCTURE AS NEEDED DURING THE CUTTING OF NEW OPENINGS.
41. CONTRACTOR IS RESPONSIBLE FOR MEANS & METHODS INCLUDING ESTABLISHING AND MAINTAINING A SAFE OSHA COMPLIANT WORK ENVIRONMENT.
42. PROVIDE TRENCHING, FLOOR, WALL AND CEILING PENETRATIONS AS NEEDED FOR THE INSTALLATION OF SCHEDULED PLUMBING FIXTURES. ACCESS TO PLUMBING LINES LOCATED ABOVE FLOOR CEILING AREAS SHALL BE COORDINATED WITH OWNER AS NEEDED. PLUMBING LINESSHALL BE CAPPED OR REMOVED AS REQUIRED FOR SCHEDULED CONSTRUCTION. ALL NEW FINISHES SHALL BE PATCHED AND REFINISHED AS NEEDED TO PROVIDE FLUSH, SMOOTH AND COMPATIBLE FINISHES TO ADJACENT AREAS.
43. ALL EXISTING PIPING PENETRATIONS THRU CONCRETE DECK TO BE ABANDONED MUST BE CAPPED A MINIMUM OF 6" BELOW SLAB. EXISTING CONCRETE SLABS AND EDGES MUST BE LEFT READY TO ACCEPT PREPARATIONS FOR OWNER SELECTED FINISHES.
44. DO NOT DAMAGE EXISTING FIRE PROTECTIONS AND FIRE SEPARATION ASSEMBLIES. REPAIR ANY DAMAGES INCURRED BY THIS CONTRACT IMMEDIATELY TO RESTORE THE ORIGINAL FIRE PROTECTION RATING AND SEPARATION RATING.

LEGEND

- DEMO EXISTING WALL
- DEMO EXISTING CONCRETE SLAB
- EXISTING BUILDING AREA

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Digital Signature

ISSUED FOR BUILDING PERMIT

DHM MELVIN ENGINEERING

WASHINGTON COUNTY

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

DEMOLITION FLOOR PLAN

AD-111

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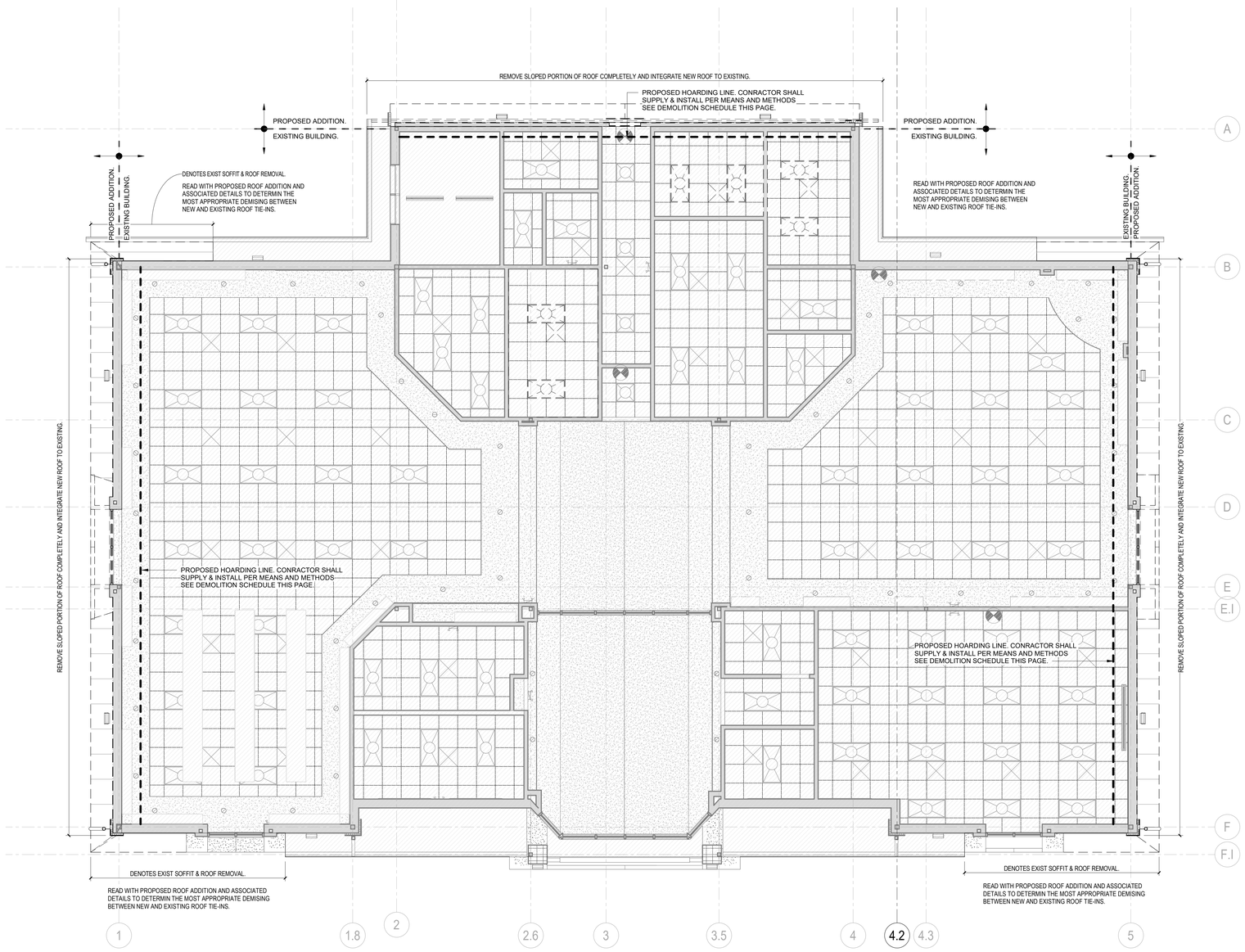

1 DEMOLITION REFLECTED CEILING PLAN
3/16" = 1'-0"

GENERAL DEMOLITION NOTES:

1. EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS AND PRIVATE RECORDS AS SUPPLIED BY THE PROJECT OWNER AND/OR DATA OBTAINED VERBALLY FROM OFFICIALS ASSOCIATED WITH THE PARTICULAR UTILITY. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE ACCURACY COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS ON THE CONSTRUCTION SITE WITHIN THE BOUNDRY OF THE CONTRACT.
2. OTHER UNDERGROUND UTILITIES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT , MARK AND ADVISE THE OWNER AND ENGINEER OF RECORD.
3. ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
5. THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL UTILITY PURVEYANCE, AND CITY OR STATE RECORDS RELATIVE TO EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO THESE FACILITIES AN RESTORE ALL UTILITIES AT CONTRACTOR'S OWN EXPENSE.
6. DO NOT SHUT OFF OR CAP UTILITIES WITHOUT PRIOR NOTICE TO THE OWNER, COORDINATE WORK WITH LOCAL UTILITY PURVEYORS.
7. RESTORE WORKS NOT INTENDED AS PART OF THIS CONTRACT THAT WERE DISTURBED BY DEMOLITION AND NEW WORKS. PATCH AND MAKE GOOD TO THEIR ORIGINAL CONDITION,
8. PROTECT FROM HARM ANY TREES, OR OTHER OBJECTS SELECTED TO REMAIN.
9. ERECT BARRIERS, SHORING AND THE LIKE TO PROTECT PERSONNEL, CONSTRUCTION AND VEGETATION TO REMAIN.
10. MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC ROUTES; ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDE ADJACENT FACILITIES; DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, OR PASSAGEWAYS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION; MAINTAIN FIRE ACCESS ALONG ACCESS ROAD AT ALL TIMES; MEET ALL APPLICABLE ORDINANCES. WHERE ROUTES ARE PERMITTED TO BE CLOSED, PROVIDE ALTERNATE ROUTES IF REQUIRED.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, SETTING AND MARKING ALL LINE AND LOCATION STAKES, INCLUDING OFFSETS AND GENERAL CONSTRUCTION STAKING. WHEN WORK REQUIRING CONTROL IS PERFORMED, ALL NECESSARY RELATED EQUIPMENT, SUPPLIES AND INSTRUMENTS SHALL BE ON SITE. A QUALIFIED LAYOUT ENGINEER, SURVEYOR.
12. SPECIALISTS MUST BE ASSIGNED TO THE CONTRACTOR'S CREW FOR THIS WORK. THIS EQUIPMENT AND PERSONNEL MUST BE AVAILABLE, AT NO ADDITIONAL COST TO OWNER FOR THE PURPOSE OF VERIFYING LAYOUT AND CERTIFYING THE ACCURA WORK ON THE SITE.
13. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL BENCHMARKS AND STAKES AND THE REPLACEMENT OF ANY THAT ARE DISPLACED OR MISSING.
14. THE REFUSE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED BY THE CONTRACTOR IN A MANNER COMPLIANT WITH ALL GOVERNMENT REGULATIONS. IN NO CASE SHALL REFUSE MATERIAL BE LEFT ON THE PROJECT SITE, SHOVED ON ABUTTING PRIVATE PROPERTIES, OR BE BURIED IN EMBANKMENTS OR TRENCHES ON THE PROJECT SITE. DEBRIS SHALL NOT BE DEPOSITED IN ANY STREAM OR BODY OF WATER, WETLAND, OR IN ANY STREET OR ALLEY, OR UPON ANY PRIVATE PROPER BY WRITTEN CONSENT OF THE PRIVATE PROPERTY OWNER. MAINTAIN HAULING ROUTES CLEAN AND FREE OF ANY DEBRIS FROM DEMOLITION WORK ON THIS PROJECT.
15. THE OWNER RESERVES THE RIGHT TO KEEP ANY MATERIALS THAT ARE DESIGNATED FOR REMOVAL COORDINATE REMOVALS WITH OWNER. CAREFULLY REMOVE ITEMS IDENTIFIED TO BE KEPT BY OWNER AND STORE AT THE LOCATION DESIGNATED BY OWNER.
16. ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS AS REQUIRED TO INTEGRATE WITH NEW CONSTRUCTION.
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35. SALVAGE EXISITNG BRICK MASONRY AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE COR OR INDICATED ON CONSTRUCTION DRAWINGS.
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44. DO NOT DAMAGE EXISTING FIRE PROTECTIONS AND FIRE SEPARATION ASSEMBLIES. REPAIR ANY DAMAGES INCURRED BY THIS CONTRACT IMMEDIATELY TO RESTORE THE ORIGINAL FIRE PROTECTION RATING AND SEPARATION RATING.

LEGEND

	DEMO EXISTING WALL
	DEMO EXISTING CONCRETE SLAB
	EXISTING BUILDING AREA

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Professional Architect
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Digital Signature

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

DEMOLITION REFLECTED CEILING PLAN

AD-114

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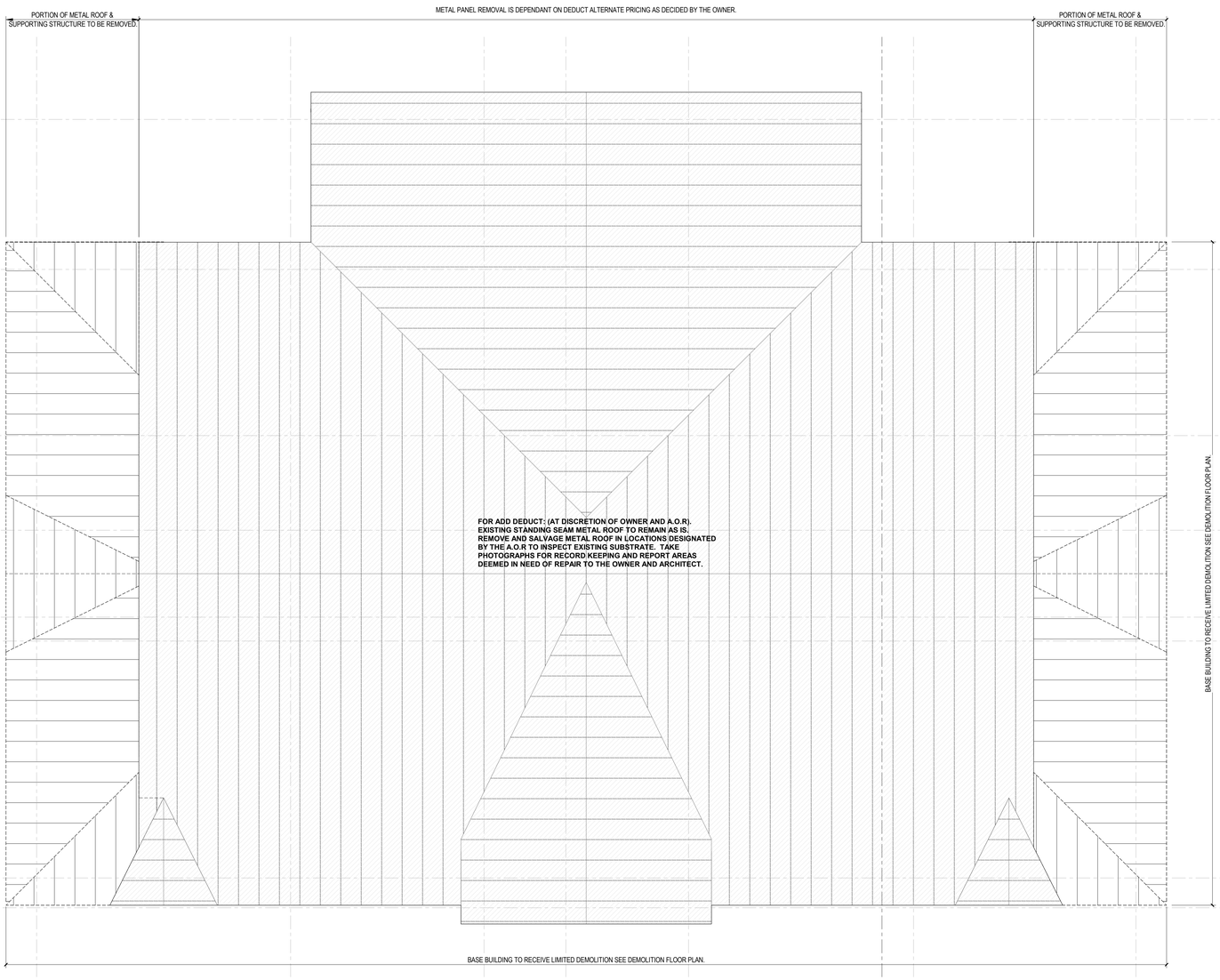

1 DEMOLITION ROOF PLAN
3/16" = 1'-0"

PROJECT NORTH TRUE NORTH

1 1.8 2.6 3 3.5 4.2 4.3 5

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15. THE OWNER RESERVES THE RIGHT TO KEEP ANY MATERIALS THAT ARE DESIGNATED FOR REMOVAL COORDINATE REMOVALS WITH OWNER. CAREFULLY REMOVE ITEMS IDENTIFIED TO BE KEPT BY OWNER AND STORE AT THE LOCATION DESIGNATED BY OWNER.
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18. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION, CUTTING, AND PATCHING REQUIRED FOR INSTALLATION OF NEW WORK.
19. ALL WALLS, DOORS, FRAMES, AND RELATED HARDWARE ASSEMBLIES DESIGNATED AS "TO BE REMOVED" SHALL BE COMPLETELY REMOVED AND DISPOSED OF AS DESIGNATED BY OWNER/TENANT. ALL EXISTING WALLS NOT DESIGNATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE AND REMAIN "AS-IS".
20. IN OCCUPIED BUILDINGS, ANY CONSTRUCTION BEYOND 48 HOURS MUST BE ISOLATED WITH HARD BARRIER WALL (1 HR. RATED), PER BUILDING CODE.1 HOUR FIRE RATED PLASTIC BARRIER MAY BE USED, VERIFY WITH LOCAL AHJ. PROVIDE ANY/ALL DUST CONTROL AND INFECTION CONTROL.
21. PHASED CONSTRUCTION MAY BE REQUIRED, FINAL NUMBER OF PHASES TBD BY OWNER/ ARCHITECT/ GC PRIOR TO CONSTRUCTION. CONTRACTOR PROVIDE ALL TEMP. CONSTRUCTION MEASURES AS REQUIRED BY LOCAL AHJ (EXIT SIGNS, EMERGENCY LIGHTING, CONSTRUCTION LIGHTING, EGRESS SIGNAGE, ETC.)
22. PROTECT EXISTING FLOORS FROM DAMAGE DURING THE COURSE OF THIS CONTRACT.
23. ALL DEMOLITION WORK SHALL BE PERFORMED IN A NEAT AND WORKMANSHIP MANNER. ALL SURFACES ADJACENT TO AND ABUTTING TO THOSE DESIGNATED "TO BE REMOVED" SHALL BE LEFT WITH SMOOTH AND FLUSH APPEARANCE.
24. REFER TO MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION INFORMATION.
25. GENERAL PRECAUTIONS SHALL BE TAKEN AS NECESSARY TO HOLD ALL DISRUPTION, DUST, DIRT, NOISE, AND DEBRIS TO A MINIMUM. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH OWNER TO ENSURE THAT IMPACTS ON THE BALANCE OF THE BUILDING ARE HELD TO A MINIMUM.
26. PREPARE ALL SURFACES TO RECEIVE THE NEW WORK AND FINISHES OF THE CONTRACT, MANUFACTURERS INSTALLATION INSTRUCTIONS FOR NEW MATERIALS SUPERCEDE THAT OF THE SPECIFICATION.
27. THE CONTRACTOR SHALL DESIGN, PROVIDE, INSTALL AND MAINTAIN ANY AND ALL TEMPORARY BRACING AS REQUIRED TO ENSURE THE STABILITY OF THE BUILDING ASSEMBLY AND/OR ANY SYSTEMS AND/OR SUB-ASSEMBLIES AND/OR SYSTEMS APPURTENANT THERETO UNTIL SAID ASSEMBLY AND/OR SUB-ASSSEMBLIES ARE COMPLETE, SELF-SORTING AND/OR STABLE.
28. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE DESIGNATED BY E.O.R.
29. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
30. EXISTING PIPING AND EQUIPMENT, ETC., NOT TO BE UTILIZED IN THE COMPLETED BUILDING SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED EATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION. REFER TO DRAWINGS.
31. DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS OR PORTIONS OF SYSTEMS WHERE USE IS TO BE DISCONTINUED ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THE CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
32. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
33. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING OPERATION AS POSSIBLE.
34. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.
35. SALVAGE EXISITNG BRICK MASONRY AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE COR OR INDICATED ON CONSTRUCTION DRAWINGS.
36. MAINTAIN AND PROTECT ALL REQUIRED EXITING DURING DEMOLITION AND NEW CONSTRUCTION SEE LIFE SAFETY DRAWINGS.
37. SUPPLY AND INSTALL DUST AND CONTAMINANT HOARDING DURING THE COURCE OF THE CONTRACT. ENSURE CONSTRUCITON AND DEMOLITION DEBRIES DOES NOT INFILTRATE THE EXISTING HVAC SYSTEMS. SEE PLANS FOR PROPOSED LOCATIONS ADJUST AS NECCESSARY MAINTAIN REQUIRED EXISING THROUGH.
38. INSPECT AND MAINTAIN HELPA CONDITIONS WITHIN DUCTWORK DURING THE COURSE OF THE CONTRACT.
39. ITEMS NOT TO BE RETAINED BY OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.. IT IS THE CONTRACTORS IS RESPONSIBLE FOR LEGALLY DISPOSING OF ALL MATERIALS AND ASSOCIATED COST OF INTERIM STORAGE FACILITIES (DUMPSTER).
40. PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK CONTRACTOR SHALL INVESTIGATE EXISTING LOAD BEARING WALL CONDITIONS. IF LOAD BEARING WALLS ARE ENCOUNTERED AND NEED ALTERATIONS DUE TO THE NEW FLOOR PLAN LAYOUT, THE STRUCTURE SHALL BE SHORED, BRACED AND SUPPORTED AS NEEDED TO MAINTAIN STRUCTURAL INTEGRITY DURING STRUCTURE MODIFICATIONS. PROVIDE TEMPORARY SHORING TO STRUCTURE AS NEEDED DURING THE CUTTING OF NEW OPENINGS.
41. CONTRACTOR IS RESPONSIBLE FOR MEANS & METHODS INCLUDING ESTABLISHING AND MAINTAINING A SAFE OSHA COMPLIANT WORK ENVIRONMENT.
42. PROVIDE TRENCHING, FLOOR, WALL AND CEILING PENETRATIONS AS NEEDED FOR THE INSTALLATION OF SCHEDULED PLUMBING FIXTURES. ACCESS TO PLUMBING LINES LOCATED ABOVE FLOOR CEILING AREAS SHALL BE COORDINATED WITH OWNER AS NEEDED. PLUMBING LINESSHALL BE CAPPED OR REMOVED AS REQUIRED FOR SCHEDULED CONSTRUCTION. ALL NEW FINISHES SHALL BE PATCHED AND REFINISHED AS NEEDED TO PROVIDE FLUSH, SMOOTH AND COMPATIBLE FINISHES TO ADJACENT AREAS.
43. ALL EXISTING PIPING PENETRATIONS THRU CONCRETE DECK TO BE ABANDONED MUST BE CAPPED A MINIMUM OF 6" BELOW SLAB. EXISTING CONCRETE SLABS AND EDGES MUST BE LEFT READY TO ACCEPT PREPARATIONS FOR OWNER SELECTED FINISHES.
44. DO NOT DAMAGE EXISTING FIRE PROTECTIONS AND FIRE SEPARATION ASSEMBLIES. REPAIR ANY DAMAGES INCURRED BY THIS CONTRACT IMMEDIATELY TO RESTORE THE ORIGINAL FIRE PROTECTION RATING AND SEPARATION RATING.

LEGEND

- DEMO EXISTING WALL
- DEMO EXISTING CONCRETE SLAB
- EXISTING BUILDING AREA

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Digital Signature

ISSUED FOR BUILDING PERMIT

DHM MELVIN ENGINEERING

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REVISIONS
NO. DESCRIPTION DATE

Released for Bid: 10/08/2025

Project Number **25014**
Dated 09-16-2025

DEMOLITION ROOF PLAN

AD-121

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PARTITION CORE CONSTRUCTION

PARTITION ILLUSTRATION.	VOIDS: PARTITION IDENTIFIER	DESCRIPTION
	A	METAL STUD 2 1/2"
	B	METAL STUD 3 5/8"
	C	METAL STUD 6"
	L	2 1/2" STUD ON SUBSTRATE
	N	1 1/2" STUD ON SUBSTRATE
	M	7/8" RESILIENT CHANNEL ON SUBSTRATE
	P	2 1/2" C-H STUD SHAFTWALL
	Q	1 1/2" C-H STUD SHAFTWALL
	R	CHASE WALL - METAL STUD 2 1/2"
	S	CHASE WALL - METAL STUD 3 5/8"
	V	WOOD STUD 2x4
	W	WOOD STUD 2x6

SOLIDS

	E	CMU 4"
	F	CMU 6"
	G	CMU 8"
	H	CMU 12"
	J	CONCRETE 6"
	K	CONCRETE 8"
	L	CONCRETE 12"

PARTITION CONDITIONS

1	ONE LAYER GYPSUM BOARD, ONE SIDE	
2	ONE LAYER GYPSUM BOARD, ONE SIDE W / SOUND ATTENUATION	
3	ONE LAYER GYPSUM BOARD, EACH SIDE	3 | S, 3 | 1
4	ONE LAYER GYPSUM BOARD, EACH SIDE SOUND ATTENUATION	4 | S, 4 | 1
5	TWO LAYERS GYPSUM BOARD, EACH SIDE	5 | 1, 5 | 2
6	TWO LAYERS GYPSUM BOARD, EACH SIDE SOUND ATTENUATION	6 | 1, 6 | 2
7	TWO LAYERS GYPSUM BOARD, EACH SIDE SOUND ATTENUATION	7 | 1, 7 | 2

PARTITION CONDITIONS

1	NO FINISHES	1 | S, 1 | 1, 1 | 2, 1 | 3, 1 | 4
2	ONE LAYER GYPSUM BOARD ON RESILIENT CHANNELS, ONE SIDE	2 | S, 2 | 1, 2 | 2, 2 | 3
3	ONE LAYER GYPSUM BOARD ON RESILIENT CHANNELS, EACH SIDE	3 | S, 3 | 1, 3 | 2, 3 | 3, 3 | 4

PARTITION MODIFIERS

—	ALL STUDS AND GYPSUM BOARD EXTEND TO STRUCTURE ABOVE UNLESS NOTED BY MODIFIER
.1	STUD AND GYPSUM BOARD STOP 6" ABOVE CEILING
.2	STUD EXTENDS TO STRUCTURE ABOVE, GYPSUM BOARD STOPS 6" ABOVE CEILING
.3	RESILIENT CHANNELS INSTALLED HORIZONTALLY ON STUDS, ONE SIDE

GENERAL NOTES

PARTITION TYPES

WALL AND PARTITION GENERAL NOTES:

1. ALL MASONRY TO BE RUNNING BOND WITH CONCAVE JOINTS, UNLESS NOTED OTHERWISE.
2. REFER TO STRUCTURE FOR LOAD BEARING AND LATERAL LOAD RESISTANT WALL CONSTRUCTION.
3. PROVIDE 2 CONTINUOUS BEADS OF ACOUSTICAL SEALANT AROUND PARIMETER OF BOTTOM TRACK OF ALL STC RATED PARTITIONS.
4. PROVIDE (2) METAL STUDS MIN. AT ALL JAMB CONDITIONS.
5. PROVIDE CEMENTITIOUS TILE BACKER BOARD BEHIND TILE AND MOISTURE RESISTANT GYPSUM WALL BOARD ABOVE TILE, WHERE OCCURS.
6. CONTRACTOR SHALL PROVIDE REINFORCING WOOD BLOCKING BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT.
7. WHERE WALL CAVITIES ARE INDICATED TO RECEIVE INSULATION, ALL INSULATION IS TO BE UNFACED GLASS FIBER SOUND BATT INSULATION WITH THICKNESS TO MATCH STUD SIZE, UNO.
8. ELECTRICAL JUNCTION BOXES SHALL NEVER BE INSTALLED "BACK TO BACK".
9. ALL ELECTRICAL JUNCTION BOXES WILL BE INSTALLED W/ SOUND PUTTY PADS @ STC PARTITIONS.
10. CUT GYPSUM BOARD TO FIT AROUND METAL DECK PROFILE.
11. SEAL ALL FLOOR AND WALL PENETRATIONS.
12. ALL INTERIOR WALLS AND PARTITIONS EXTEND TO DECK ABOVE, UNLESS NOTED OTHERWISE.
13. SOUND BATTS IN PARTITIONS ARE TO CONTINUE BEHIND ALL POWER AND TELEPHONE OUTLETS WITHOUT INTERRUPTION .

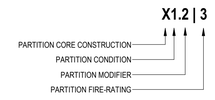
GENERAL NOTES FOR FIRE RATED WALLS AND PARTITIONS; AND SMOKE PARTITIONS:

1. PROVIDE FIRE RATED GYPSUM WALL BOARD AT FIRE RATED PARTITION ASSEMBLIES.
2. PROVIDE FIRE SEALANT AT TOP AND BOTTOM TRACKS OF ALL FIRE-RATED WALLS AND PARTITIONS.
3. PROTECT ALL CABLE, CONDUIT, PIPE, AND MECHANICAL DUCT PENETRATIONS WITH A FIRE-STOP SYSTEM OR DEVICES AT ALL FIRE-RATED WALLS, PARTITIONS, FLOORS, AND ROOF.
4. PENETRATIONS FOR CABLES, CONDUIT, PIPES AND MECHANICAL DUCTS SHALL BE PROTECTED BY A SYSTEM OR MATERIALS CAPABLE OF LIMITING THE TRANSFER OF SMOKE AT SMOKE RATED WALLS AND/OR PARTITIONS.
5. AIR TRANSFER OPENINGS IN SMOKE PARTITIONS SHALL BE PROVIDED WITH SMOKE DAMPERS PER NFPA 101, SECTION 8.4.6
6. LABEL FIRE AND SMOKE WALLS AND PARTITIONS ABOVE CEILING, IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. LETTERING TO BE MIN. 3" HIGH, WITHIN 15' OF EACH END OF PARTITION AND NOT EXCEEDING 30' APART.

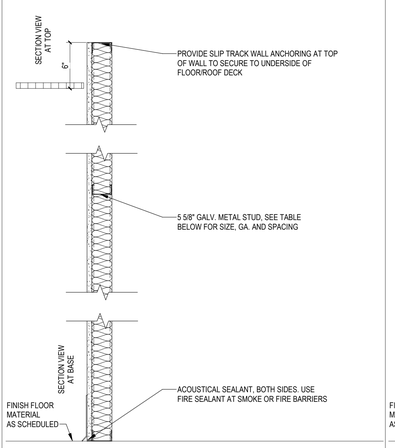
GENERAL NOTES FOR RF SHIELDING:

1. WHERE RF SHIELDING IS EMPLOYED, STAGGER INTERIOR SEAMS. MOUNT ONE LAYER VERTICALLY AND ONE LAYER HORIZONTALLY TO ENSURE SEAMS DO NOT ALIGN.
2. FROM TOP OF WALL PARTITION, EXTEND RF SHIELDING OUT 6" TO CREATE CEILING COVERAGE.
3. FROM BOTTOM OF WALL PARTITION, EXTEND RF SHIELDING OUT 6" TO CREATE FLOOR COVERAGE.
4. PROVIDE RF SHIELDING UNDER FLOOR TRACK ADJACENT TO TERRAZZO FLOOR LOCATIONS.

LEGEND



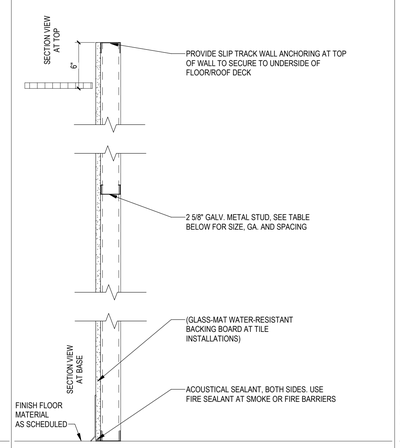
STRUCTURE ABOVE



NGC 2018106
NGC 2018130

PARTITION TYPE	RATING	UL	STC	STUD SIZE/GA/SPACING	TOTAL THICKNESS
C1.2	-	-	-	6" / 20 / 16"	6 3/4"
N1	-	-	-	1 1/2" / 20 / 16"	2 1/4"
L1	-	-	-	2 1/2" / 20 / 16"	3 1/4"
L1.1	-	-	-	2 1/2" / 20 / 16"	3 1/4"

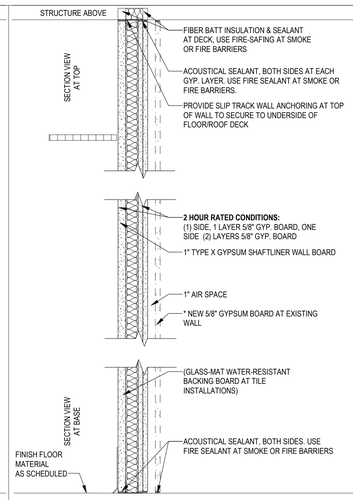
STRUCTURE ABOVE



NGC 2018106
NGC 2018130

PARTITION TYPE	RATING	UL	STC	STUD SIZE/GA/SPACING	TOTAL THICKNESS
C1.1	-	-	-	6" / 20 / 16"	6 3/4"
N1	-	-	-	1 1/2" / 20 / 16"	2 1/4"
L1	-	-	-	2 1/2" / 20 / 16"	3 1/4"
L1.1	-	-	-	2 1/2" / 20 / 16"	3 1/4"

STRUCTURE ABOVE

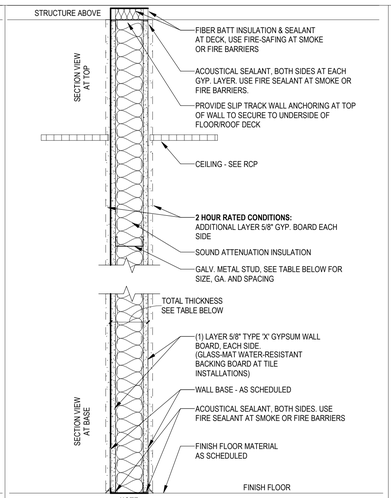


NGC 2018106
NGC 2018130

PARTITION TYPE	RATING	UL	STC	STUD SIZE/GA/SPACING	TOTAL THICKNESS
Q7 | 2	2 HR	U415	47	1 1/2" / 20 / 16"	3 3/4"
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

* NEW 5/8" GYP BOARD AT EXISTING WALL SEPARATED BY 1" AIR SPACE

STRUCTURE ABOVE



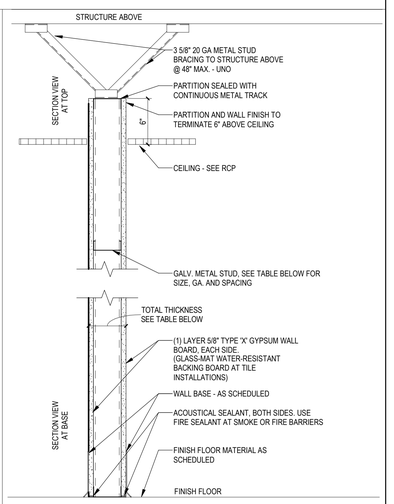
NGC 2018106
NGC 2018130

NOTE:
WHERE WALLS ARE NOTED WITH A UL FIRE RATING THOSE PARTITIONS SHALL EXTEND TO THE U/S OF THE ROOF DECKING AND FIRE SEALED

PARTITION TYPE	RATING	UL	STC	STUD SIZE/GA/SPACING	TOTAL THICKNESS
B4	-	-	46	3 5/8" / 20 / 16"	4 7/8"
B4 | S	SMOKE	U419	46	3 5/8" / 20 / 16"	4 7/8"
B4 | 1	1 HR	U419	46	3 5/8" / 20 / 16"	4 7/8"
B6 | 2	2 HR	U419	49	3 5/8" / 20 / 16"	6 1/8"
B4.3	-	-	45*	3 5/8" / 20 / 16"	5 3/4"
C4	-	-	44	6" / 20 / 16"	7 1/4"
C4 | 1	1 HR	U419	44	6" / 20 / 16"	7 1/4"
C4.3	-	-	43*	6" / 20 / 16"	8 1/8"
C6 | 2	2 HR	U419	49	6"/ 20 / 16"	8 1/2"

*ESTIMATED

STRUCTURE ABOVE



NGC 2018106
NGC 2018130

PARTITION TYPE	RATING	UL	STC	STUD SIZE/GA/SPACING	TOTAL THICKNESS
B3	-	-	38	3 5/8" / 20 / 16"	4 7/8"
B3.1	-	-	38	3 5/8" / 20 / 16"	4 7/8"
C3	-	-	38	6" / 20 / 16"	7 1/4"
C3.1	-	-	38	6" / 20 / 16"	7 1/4"

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MELVIN ENGINEERING

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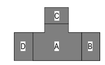


REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

PARTITION TYPES

A-011

Design No. U419
BXUV.U419
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for Fire Resistance Ratings - ANSI/UL 263 and Fire Resistance Assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263

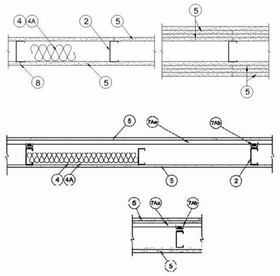
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U419

July 24, 2017

Nonbearing Wall Rating — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected galv steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

1B. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1C. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1D. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members* — Floor and Ceiling Runners** — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 2F or 2G or SI only, channel shaped, fabricated from min. 0.015 in. (mm bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — Header Track

1F. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.015 in. (mm bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

1G. **Framing Members* — Floor and Ceiling Runner** — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners** — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (mm bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES L L C — Viper25™ Track

1K. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1L. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2K, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C — AlphaTRAK

1M. **Framing Members* — Floor and Ceiling Runners** — Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. **Framing Members* — Floor and Ceiling Runners** — Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Track

2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs** — As an alternate to Item 2, for use with Items 5B, 5E, 5H, 5I and 5K) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs finished to less than assembly height. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2B. **Steel Studs** — As an alternate to Item 2, for use with Items 5C, 5G, 5J and 5K) — For use with Item 5C, proprietary channel shaped studs, 3-5/8 in. deep, spaced at a max of 24 in. OC. Studs to be cut 3/4 in. less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

2C. **Framing Members* — Steel Studs** — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs to be cut 3/4 in. less than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2D. **Framing Members* — Steel Studs** — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2E. **Framing Members* — Steel Studs** — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or SI only, channel shaped studs, min depth as indicated under Item 5F, 5G or SI, fabricated from min. 0.015 in. (mm bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (mm bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.

STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs** — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (mm bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs** — (As an alternate to Item 2, For use with Items 5C or 5L or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

TELLING INDUSTRIES L L C — Viper25™

2J. **Framing Members* — Metal Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

TELLING INDUSTRIES L L C — Viper25™

2K. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC — NITROSTUD

2L. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped steel studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut to 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudMix™

2N. **Framing Members* — Steel Studs** — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.

STEEL INVESTMENT GROUP L L C — AlphaSTUD

2O. **Framing Members* — Steel Studs** — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs** — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Stud

3. **Wood Structural Panel Sheathing** — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC in the perimeter and 12 in. OC in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets*** — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4A. **Batts and Blankets*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4B. **Batts and Blankets*** — For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

4C. **Fiber, Sprayed*** — (Optional) and as an alternate to Batts and Blankets (Item 4B) where insulation is required — Spray applied mineral fiber applied to the flanges, web and fill the flange return to a minimum density of 4.5 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thickn of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SGX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL ZAWARI DRYWALL L L C SPZ — 1/2 in. Type C; 5/8 in. Types C, SCX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SGX, SHX, WRX, WRC or 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 5B, **Steel Framing Members*** is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 2-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels 1/2 in. or 5/8 in. thick) shall be attached to both sides of studs as described in Item 5. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board*** — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall. 1/2 in. or 5/8 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs spaced 24 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 12 in. OC in the field. To be used with Lead Discs or Tabs (see Item 12).

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board*** — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom runners spaced 12 in. OC starting 4 in. from the edge of the board at the vertical edges. Fasteners through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) — The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Fasteners are to be driven through both the stud and the track at the same time. Fasteners are to be centered over studs and staggered one stud cavity on opposite sides of studs. All horizontal joints are to be backed as outlined under section V1 of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX.

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG BORAL ZAWARI DRYWALL L L C SPZ — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally, Secured as described in Item 6. For use with Items 1 and 2 only.

CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2) - Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied horizontally. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine drilled screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX

USG BORAL ZAWARI DRYWALL L L C SPZ — 5/8 in. thick Type SCX

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically and fastened to the steel studs with screws fastened to flanges as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL ZAWARI DRYWALL L L C SPZ — 1/2 in. Type C; 5/8 in. Types C, SCX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied horizontally. Vertical joints centered over MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board*** — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2) - Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

UNITED STATES GYPSUM CO — 5/8 in. thick Type ULIX

6. **Fasteners** — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.**Three-layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 3/4 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels** — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

7A. **Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. deep, spaced max 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Gypsum board attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ma) to studs (Item 2). Clips spaced max 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 5/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members*** — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Batts and blankets (Item 4) friction fitted between studs. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2). Clips spaced 48 in. OC, and secured to studs with two No. 8 x 3-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KIMETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ka) to studs (Item 2). Clips spaced max 48 in. OC. GENIECLIP2 secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

7D. **Steel Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 5. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw through the clip then washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

8. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to cover joints and interior angles over tape. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco** — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants*** — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

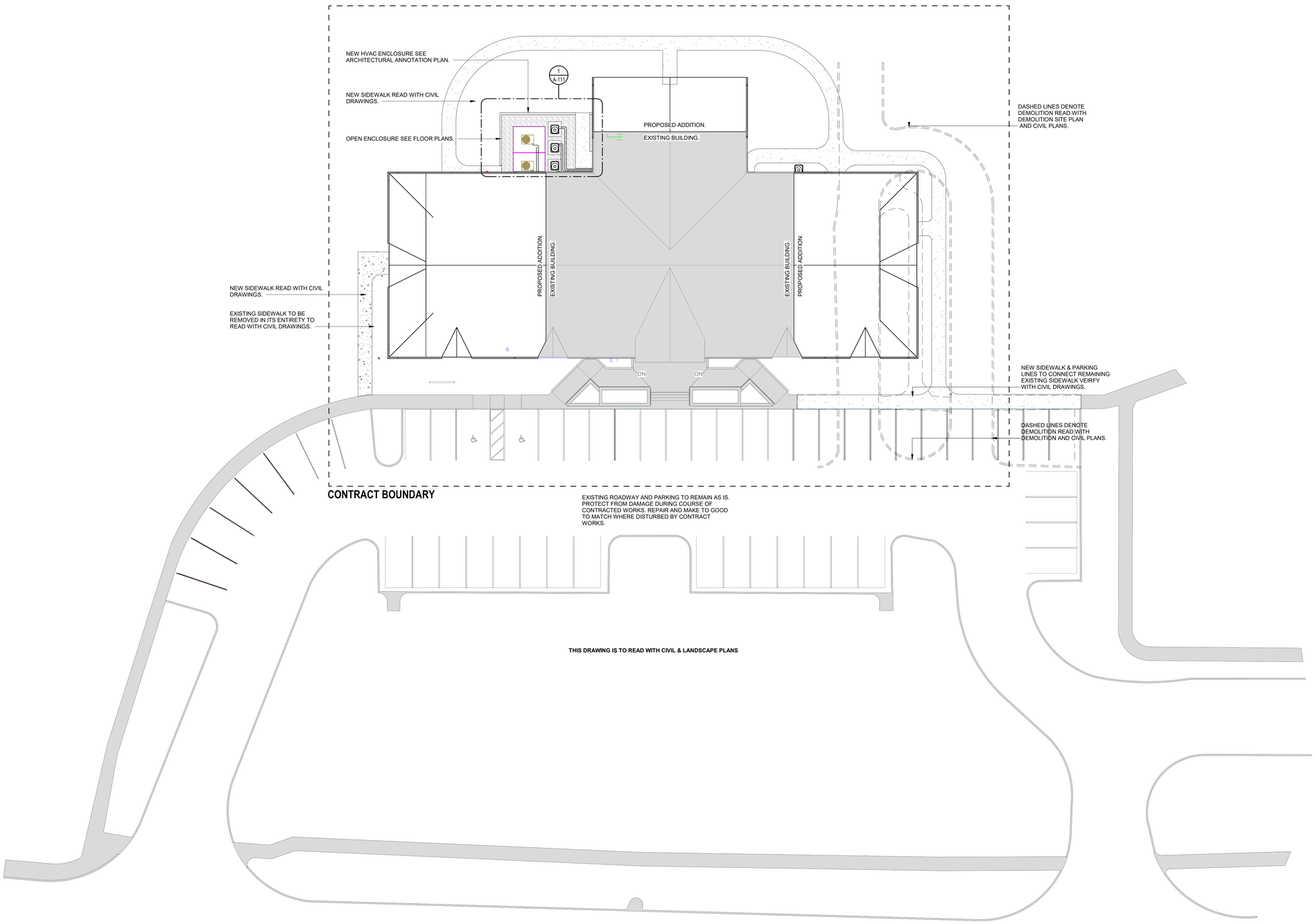
11. **Lead Batten Strips** — (Not Shown, For Use With Item 5H) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a min thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip, Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Required horizontal joints.

11A. **Lead Batten Strips** — (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a min thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) — Lead in lieu of or in addition to the lead batten strips (Item 11A) required behind vertical joints. Lead discs, nominal 3/8 in. diam by max 0.063 in. thick compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs** — (Not Shown, For Use With Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

13. **Lead Batten Strips** — (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a min thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel scre



1 ARCHITECTURAL SITE PLAN
1 : 180

1" = 20'-0" SCALE 20 0 20 40 FEET

PROJECT NORTH TRUE NORTH

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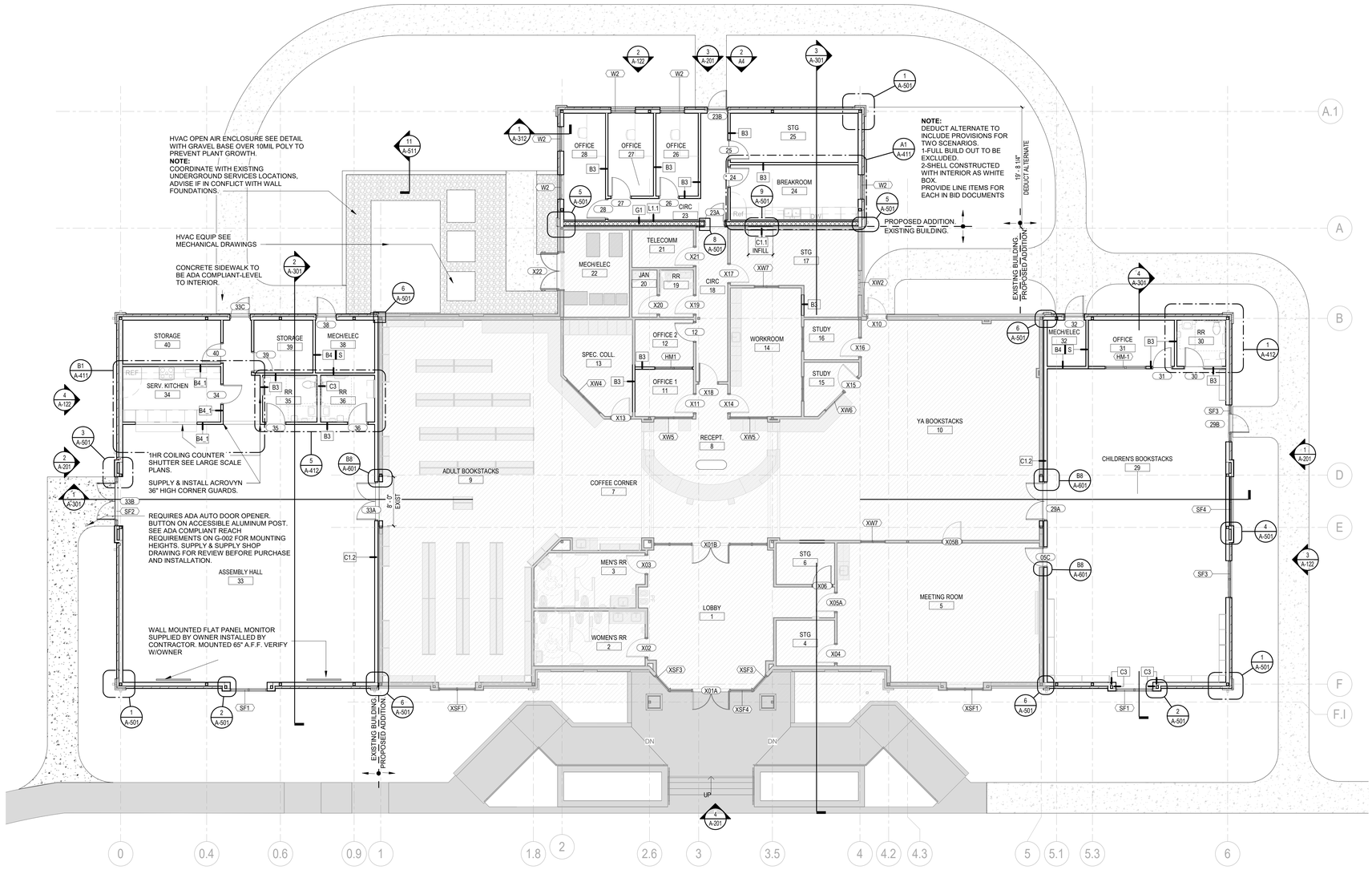
ARCHITECTURAL SITE PLAN

A-101



1 LEVEL 1 ANNOTATION PLAN

1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

GENERAL NOTES

FLOOR PLAN

1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. THE CONTRACTOR SHALL PROVIDE REINFORCING WOOD BLOCKING BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT. COORDINATE WITH A/V, DATA, CASEWORK, FURNITURE, ELECTRICAL, AND INTERIOR ELEVATION DRAWINGS.
3. CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND ALL OTHER DISCIPLINES.
4. INTERIOR DOORS TO BE LOCATED MIN 6" FROM ADJACENT STUD PARTITIONS AND 8" FROM ADJACENT MASONRY PARTITIONS, UNLESS DIMENSIONED OR NOTED OTHERWISE.
5. REFER TO FINISH SCHEDULE(S) IN A-600 SERIES SHEETS FOR FINISHES.
6. REFER TO A-500 SERIES SHEETS FOR ADDITIONAL INFORMATION ON INTERIOR PARTITION TYPE ASSEMBLIES.
7. ALL DIMENSIONS ON THE DIMENSION PLANS ARE AS FOLLOWS, UNLESS NOTED OTHERWISE:
   - ALL DIMENSIONS TO CMU ARE TO FACE OF CMU
   - ALL DIMENSIONS TO STUDS ARE TO FACE OF STUD, INCLUDING PARTITION TYPES WITH RESILIENT CHANNELS
   - ALL DIMENSIONS TO BRICK ARE TO OUTSIDE FACE OF BRICK
8. REFER TO A-400 SERIES SHEETS FOR ADDITIONAL INFORMATION, INCLUDING TOILET ROOM DIMENSIONS.
9. REFER TO LS-SERIES LIFE SAFETY SHEETS FOR FIRE RATED AND SMOKE PARTITION LOCATIONS.
10. REFER TO STRUCTURAL FOR BRACING TYPE AND LOCATIONS.
11. REFER TO PLUMBING FOR FIXTURE SCHEDULES.
12. CONTRACTOR SHALL PROVIDE ISOLATION BETWEEN DISSIMILAR METALS.
13. PROVIDE CONCRETE SPLASH BLOCKS / METAL SPLASH PANS AT ALL DOWNSPOUTS THAT DRAIN TO ROOFS OR GRADE, AND AT ALL CANOPY COLUMNS THAT DRAIN TO GRADE.

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LEVEL 1 ANNOTATION PLAN

A-111

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FLOOR PLAN

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   - ALL DIMENSIONS TO STUDS ARE TO FACE OF STUD, INCLUDING PARTITION TYPES WITH RESILIENT CHANNELS
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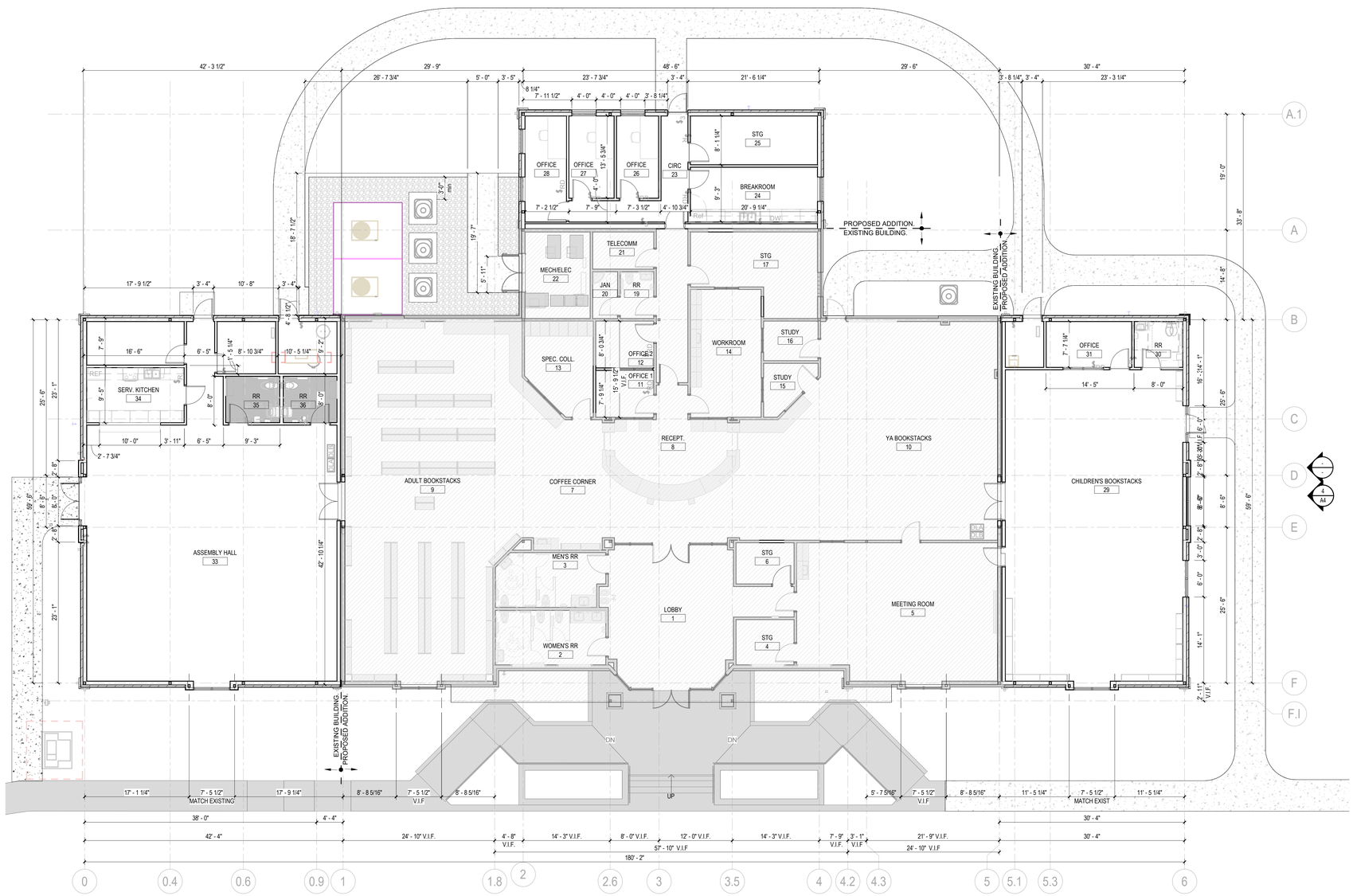

1 LEVEL 1 DIMENSION PLAN
1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

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LEVEL 1
DIMENSION PLAN

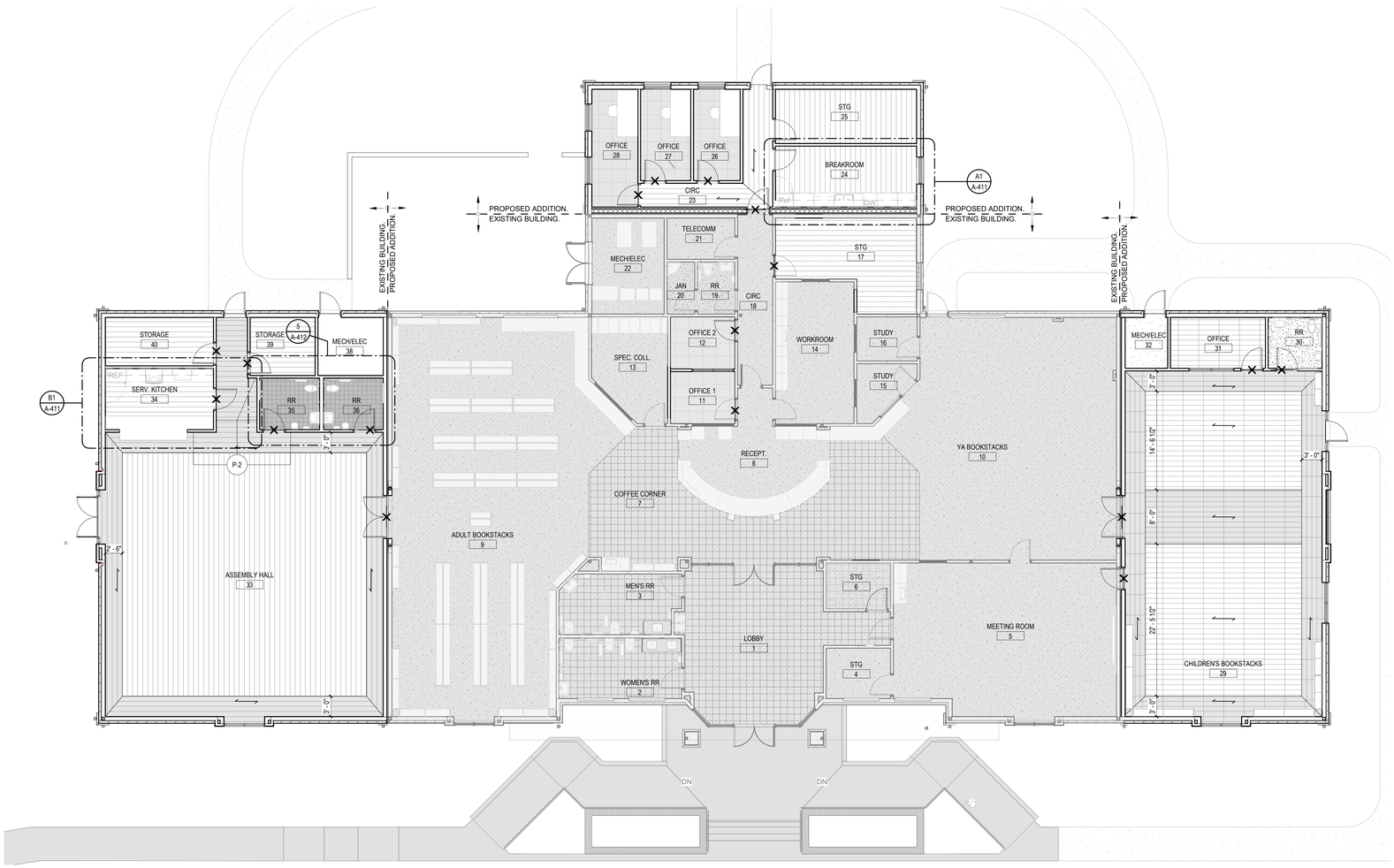
A-112

MATERIAL SCHEDULE

KEY	ITEM TYPE	MANUFACTURER	PRODUCT NAME	PRODUCT NO.	COLOR / FINISH	COMMENTS
26						
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
GYP-2	5/8" TYPE X MOISTURE RESISTANT GYPSUM	-	-	-	-	
1. FLOOR						
CPT-1	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00120 - CHAMPAGNE	CARPET PATTERN IS LAID STAGGERED
CPT-2	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00430 - AGAVE	CARPET PATTERN IS LAID STAGGERED
CPT-3	CARPET PLANK	PATCRAFT	COLOR YOUR WORLD 24" X 24"	I0110	00490 - TWILIGHT	
EPXY	EPOXY	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	PRODUCT TO BE INSTALLED W/ A 6" INTEGRATED BASE
EXP-S	EXPOSED SLAB	-	-	-	-	
LVP-1	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00140 - STARBOARD - V2	20 MIL TREAD
LVP-2	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00360 - SEASCAPE - V2	20 MIL TREAD
T-1	FLOOR TILE	MEROLA TILE	TWENTIES 7 3/4" X 7 3/4"	-	GREY	TILE TO TRANSITION TO LVP-2 AT DOORWAYS VIA SCHLUTER SLOPED TRANSITION.
2. BASE						
EPXB	6" INTEGRATED EPOXY BASE	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	
RB	RUBBER BASE	TARKETT	JOHNSONITE WALL BASE DURACOVE THERMOPLASTIC RUBBER	440146200	DC 92 BLUE LAGOON	
TB	TILE BASE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	ONE 4" COURSE OF TILE AT BASE TO BE CAPPED BY SCHLUTER STRIPS INSTEAD OF BULL NOSE.
3. WALL						
P-1	PAINT	SHERWIN WILLIAMS	-	SW 7757	HIGH REFLECTIVE WHITE	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
P-2	PAINT	SHERWIN WILLIAMS	SHER-COLOR FORMULA	-	-	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
T-2	WALL TILE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	
4. CEILING						
ACT	2 X 2 ACCOUSTIC CEILING TILE	-	-	-	-	
EXP-C	EXPOSED CEILING	-	-	-	-	
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
P-1	PAINT	SHERWIN WILLIAMS	TBD	TBD	TBD	
5. CASE WORK						
CW-1	LAMINATE CASEWORK	WILSONART	STANDARD LAMINATE	D321-60	BRITTANY BLUE, MATTE FINISH	INTERIOR LAMINATE FOR CABINETS AND DRAWERS SHALL BE STANDARD WHITE FROM WILSONART.
SS-1	SOLID SURFACE COUNTERTOP	CORIAN	SOLID SURFACE	-	GLACIER WHITE	COUNTERTOP TO HAVE 4" BACKSPLASH IN LOCATIONS WHERE IT CONTACTS THE WALL. GRID AND POLISH ALL EXPOSED EDGESNO SHARP EDGES
6. ACCESSORIES						
1	SINK SEE PLUMBING DRAWINGS					
2	APPLIANCE SUPPLIED BY OWNER INSTALL BY GC					
3						

FINISH SCHEUDLE

NO.	NAME	FLOOR		NORTH		EAST		SOUTH		WEST		CEILING		COMMENTS
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
1	LOBBY													
2	WOMEN'S RR													
3	MEN'S RR													
4	STG													
5	MEETING ROOM													
6	STG													
7	COFFEE CORNER													
8	RECEPT.													
9	ADULT BOOKSTACKS													
10	YA BOOKSTACKS													
11	OFFICE 1	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
12	OFFICE 2	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
13	SPEC. COLL.													
14	WORKROOM													
15	STUDY													
16	STUDY													
17	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
18	CIRC													
19	RR													
20	JAN													
21	TELECOMM													
22	MECH/ELEC													
23	CIRC	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
24	BREAKROOM	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
25	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
26	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
27	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
28	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
29	CHILDREN'S BOOKSTACKS	CPT-1/CPT-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
30	RR	EPXY	EPXB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
31	OFFICE	CPT-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
32	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
33	ASSEMBLY HALL	LVP-1/LVP-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
34	SERV. KITCHEN	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
35	RR	T-1	TB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
36	RR	T-1	TB	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1	T-2/T-3	-			REFER TO INTERIOR ELEVATION FOR SPECIFICS
37	CHAIR/TABLE STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
38	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
39	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
40	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			



1 LEVEL 1 FINISH PLAN
1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

GENERAL NOTES

FINISH FLOOR PLAN

1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES, OR CONFLICTS ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BEFORE PROCEEDING WITH ANY WORK IN QUESTION.
3. GYPSUM WALLS TO BE PAINTED, SHOULD BE PREPPED TO A LEVEL 4 FINISH WITH ONE PRIME COAT AND AT LEAST TWO PAINT COATS, OR AS REQUIRED BY MANUFACTURER.
4. PAINT FINISH FOR WALLS SHOULD BE SATIN SHEEN, UNO.
5. PAINTED WINDOW AND DOOR FRAMES TO BE PAINTED THE SAME COLOR AS THE EXISTING FRAMES UNO. PAINT SHOULD BE SEMI-GLOSS SHEEN, UNO.
6. FOR CEILING FINISHES, REFER TO REFLECTED CEILING PLANS SHEET A-114. ALL PAINTED GYP CEILINGS TO RECEIVE FLAT SHEEN PAINT, UNO.
7. FOR ALL FINISHES INDICATED ON INTERIOR ELEVATIONS, REFER TO SHEETS IN THE A-410 SERIES.
8. REFER TO FINISH SCHEDULE(S) ON SHEET A-621 FOR FINISHES.
9. ALL WALL AND CEILING PAINT IN BATHROOMS TO BE EPOXY PAINT.
10. ALL FLOORING TRANSITIONS TO OCCUR AT THE CENTERLINE OF A DOOR OR OPENING, UNO.
11. ALL FLOORING MUST BE INSTALLED BEFORE INSTALLATION OF CABINETS AND OTHER CASEWORK. ALL FLOORING MUST EXTEND UNDER ALL MILLWORK, UNO.
12. ALL TRANSITIONS BETWEEN TILE AND TILE TO GYP SHOULD RECEIVE A METAL SCHLUTER TRANSITION PIECE.
13. ALL EXPOSED CONCRETE TO BE SEALED, UNO.

FINISH LEGEND

- P-1 / B-1 — WALL AND BASE FINISH; EXTENT OF FINISH
- PT-1 — WALL FINISH; EXTENT OF FINISH
- CPT-1 — FLOOR FINISH
- Multi — CEILING / MISC. FINISH
- CHANGE IN SPECIFIED FINISH- PROVIDE TRANSITION STRIP AS REQUIRED
- DIRECTION OF SPECIFIED FINISH

FLOORING LEGEND

- EXISTING SEALED CONCRETE - TO REMAIN
- EXISTING SHEET CARPET - TO REMAIN
- EXISTING FLOOR TILE - TO REMAIN
- LVP 1
- LVP 2
- CPT 1
- CPT 2
- CPT 3
- SEALED CONCRETE
- FLOOR TILE 1
- EPOXY

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LEVEL 1 FINISH PLAN

A-113

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1 LEVEL 1 REFLECTED CEILING PLAN
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PROJECT NORTH TRUE NORTH

GENERAL NOTES

REFLECTED CEILING

1. CONTRACTORS SHALL COORDINATE ALL WORK, SHOWN OR UN-SHOWN, WITH ALL OTHER DISCIPLINES.
2. CONTRACTOR SHALL PROVIDE WOOD BLOCKING REINFORCING BEHIND ALL CEILING MOUNTED EQUIPMENT UNO.
3. REFER TO FINISH SCHEDULE(S) ON SHEET A-600 FOR FINISHES AND ADDITIONAL INFORMATION.
4. ALL ACCESS PANEL SIZES AND LOCATIONS TO BE COORDINATED WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SPRINKLER WORK.
5. CENTER ACT GRID AND LIGHTS WITHIN EACH ROOM, UNO.
6. REFER TO ELECTRICAL FOR LIGHTING FIXTURE SCHEDULE(S).
7. CEILING HEIGHTS NOTED REFERENCE ELEVATION ABOVE FINISH FLOOR OF ASSOCIATED BUILDING LEVEL.

RCP LEGEND

- LIGHT FIXTURES - SEE ELECTRICAL
- MECHANICAL DEVICES - SEE MECHANICAL
- CEILING - TYPE A
  2' x 2' ACOUSTICAL CEILING TILE 9'-0" AFF UNLESS NOTED OTHERWISE, SEE FINISH SCHEDULE
- CEILING - TYPE B
  GYPSUM BOARD CEILING 9'-0" AFF UNLESS NOTED OTHERWISE. PROVIDE MOISTURE RESISTANT @ ALL WET AREAS AND JANITOR'S CLOSET
- S — SPEAKER SYSTEM, SEE FIRE ALARM
- EXIT LIGHT, SEE ELECTRICAL
- EXIT — DIRECTIONAL EXIT LIGHT, SEE ELECTRICAL
- M — MOTION DETECTOR, SEE ELECTRICAL
- CLG-1 — CEILING TYPE
- CEILING SPOT HEIGHT AFF DESIGNATION
- EXP — EXPOSED CEILING
- PM — PROJECTOR MOUNT
- ACCESS PANEL
- SECURITY CAMERA

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LEVEL 1
REFLECTED CEILING
PLAN

A-114

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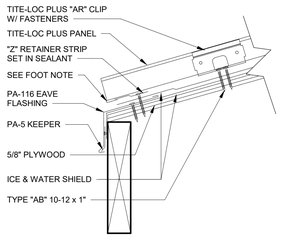
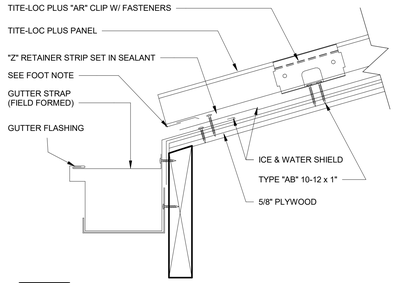
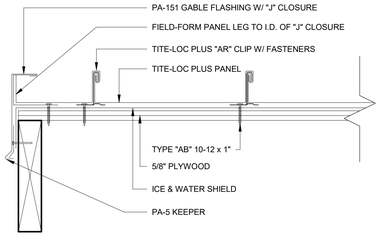


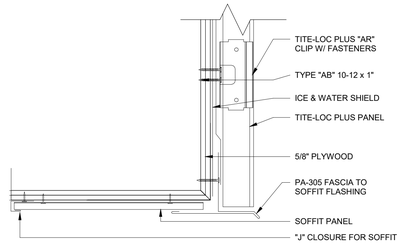
2 MANUFACTURER DETAIL - EAVE
3" = 1'-0"



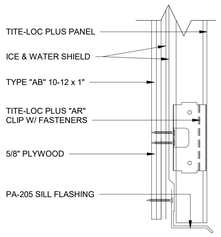
3 MANUFACTURER DETAIL - EAVE W/ RIDGE
3" = 1'-0"



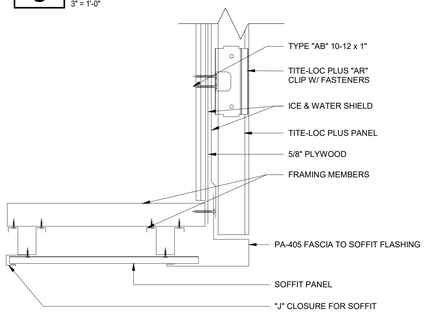
4 MANUFACTURER DETAIL - GABLE
3" = 1'-0"



5 MANUFACTURER DETAIL - SOFFIT 1
3" = 1'-0"

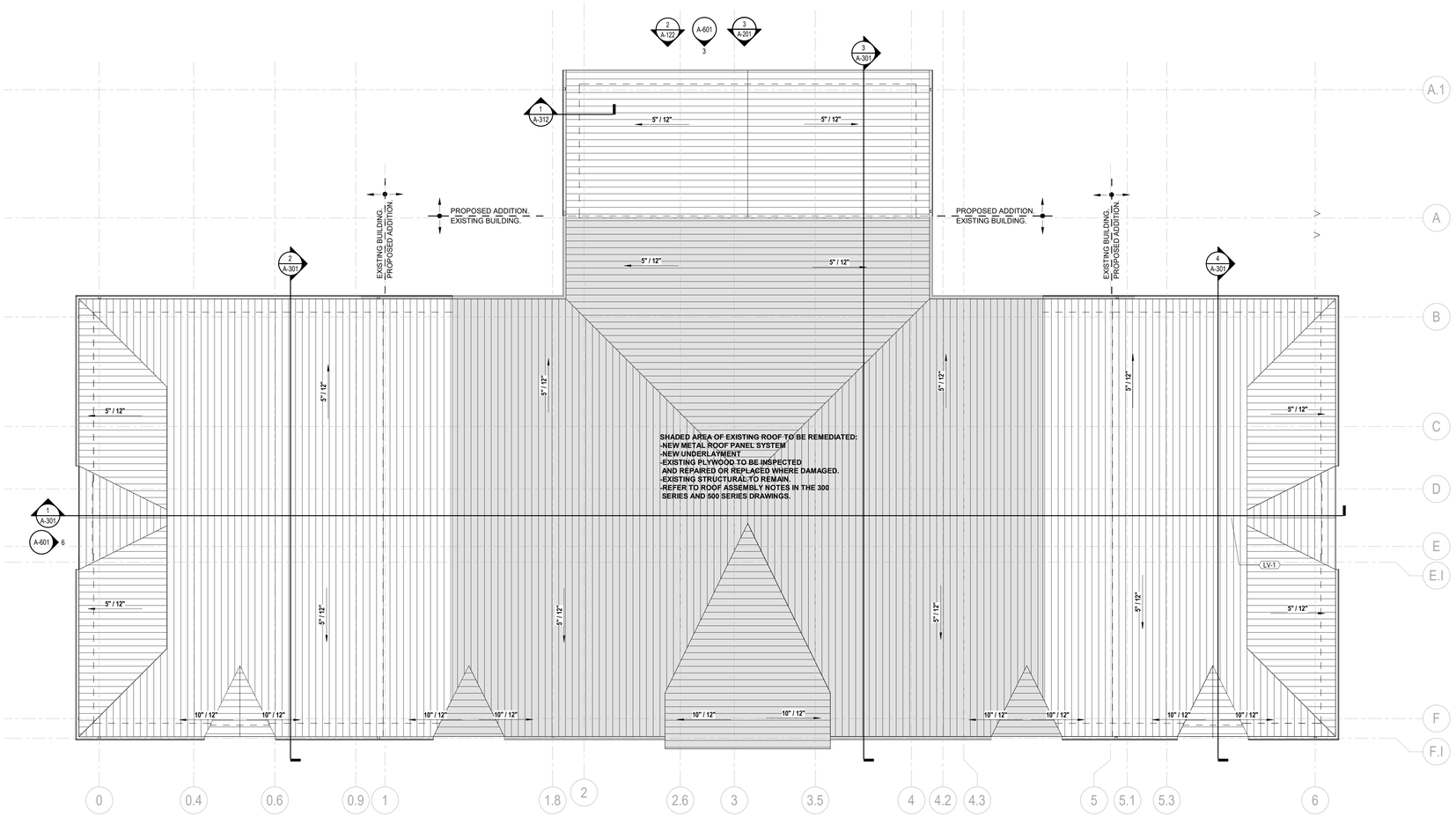


7 MANUFACTURER DETAIL - VERTICAL TERMINATION
3" = 1'-0"



8 MANUFACTURER DETAIL - SOFFIT 2
3" = 1'-0"

THESE DETAILS ARE PROVIDED FOR CLARITY AND MAY NOT REPRESENT THE ACTUAL MANUFACTURERS DETAILS. APPROVED MANUFACTURE SHALL TAKE PRECIDENCE.



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

PROJECT NORTH TRUE NORTH

GENERAL NOTES
ROOF PLAN

1. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
2. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
3. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
4. SEE OTHER DISCIPLINES FOR ROOF PENETRATIONS NOT SHOWN.

LEGEND

- NEW PREFINISHED STANDING SEAM METAL ROOF SYSTEM
- NEW ROOF MEMBRANE
- EXISTING PREFINISHED STANDING SEAM METAL ROOF SYSTEM
- OUTLINE OF BUILDING BELOW
- MECHANICAL EQUIPMENT, SEE MECHANICAL
- ROOF CURB
- EXHAUST FAN, SEE MECHANICAL

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ROOF PLAN
A-121

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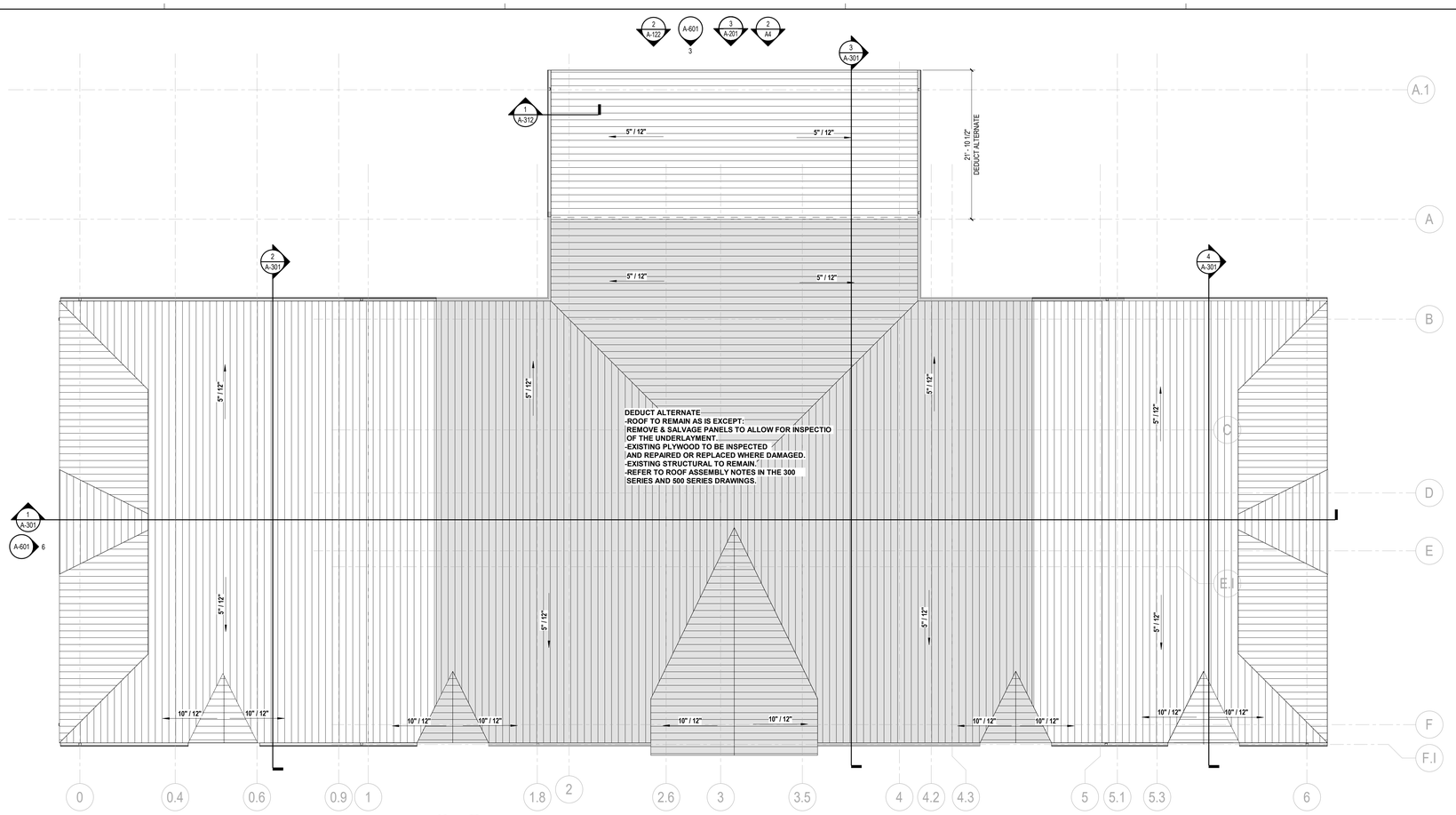
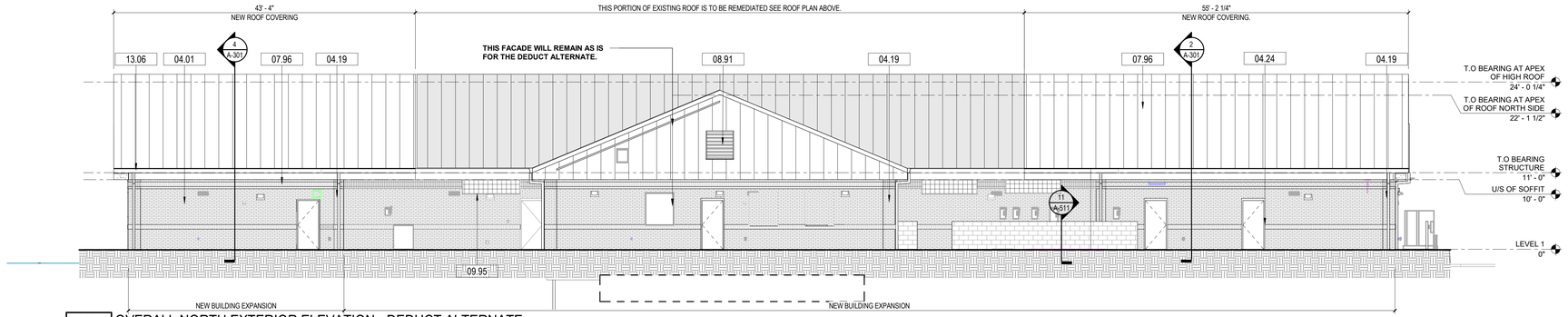


1 ROOF PLAN - NEW & EXISTING TO BE REMEDIATED

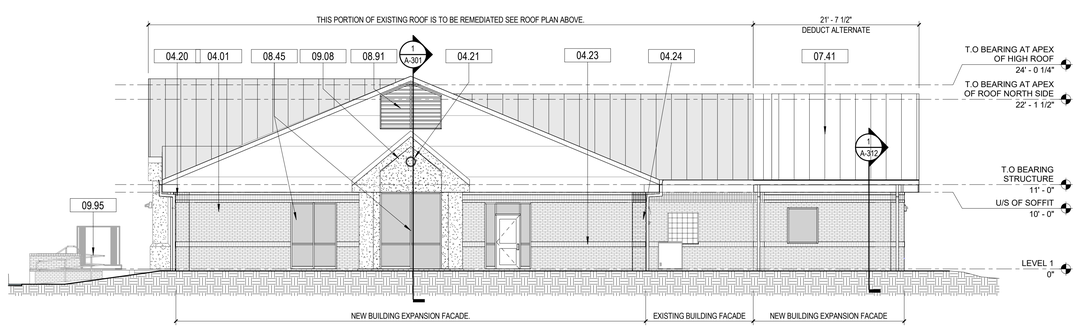
1/8" = 1'-0"

PROJECT NORTH TRUE NORTH



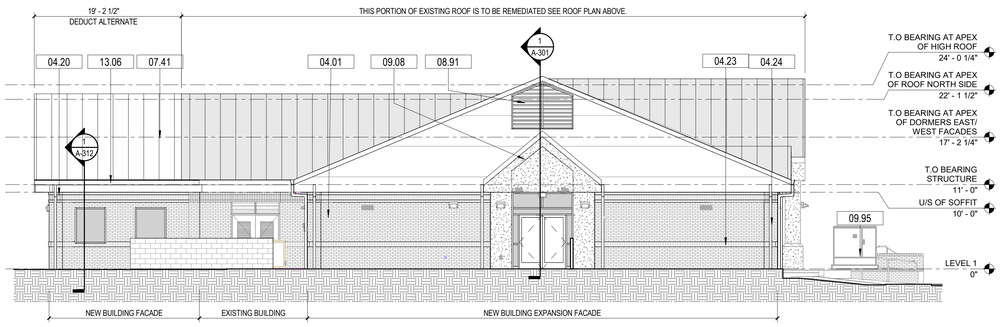
2 OVERALL NORTH EXTERIOR ELEVATION - DEDUCT ALTERNATE

1/8" = 1'-0"



3 OVERALL EAST EXTERIOR ELEVATION - NEW FACADE

1/8" = 1'-0"



4 OVERALL WEST EXTERIOR ELEVATION - NEW FACADE

1/8" = 1'-0"

GENERAL NOTES

BUILDING ELEVATION

1. CONTRACTOR SHALL PROVIDE THE ARCHITECT / OWNER SAMPLES OF ALL EXTERIOR FINISHES FOR APPROVAL.
2. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS AT THE BUILDING ENVELOPE PRIOR TO FABRICATION AND INSTALLATION.
3. SEE STRUCTURE FOR DESIGN PRESSURES REQUIRED FOR EXTERIOR CLADDING COMPONENTS.
4. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
5. REFER TO A-600 SERIES SHEETS FOR DOOR AND WINDOW SCHEDULES AND ADDITIONAL INFORMATION.
6. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
7. ITEMS NOTED ARE TYPICAL EXAMPLES, EVERY INSTANCE MAY NOT BE NOTED OR TAGGED.
8. SEE ELECTRICAL FOR EXTERIOR LIGHTING FIXTURE AND DEVICE SCHEDULE(S).
9. SEE TELECOM FOR CAMERA, CARD READER, ETC. SCHEDULE(S).
10. DIMENSIONS SHOWN ARE REFERENCED TO FACE OF EXTERIOR FINISHES.
11. LANDSCAPE NOT SHOWN, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
12. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
13. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
14. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
15. SEE OTHER DISCIPLINES FOR ROOF PENETRATIONS NOT SHOWN.
16. SEE PLUMBING PLANS FOR WATER HYDRANT LOCATIONS ON THE EXTERIOR.
17. SEE ELECTRICAL DRAWINGS FOR WATER PROOF EXTERIOR ELECTRICAL RECEPTACLES.

KEYNOTES

NUMBER	DESCRIPTION
04.01	4" BRICK VENEER RUNNING BOND - ANCHOR 16" O.C. HORIZONTAL & VERTICAL MIN. TYPICAL
04.19	BRICK PROJECTION SEE DETAILS
04.20	3 COURSE HIGH: PROJECTED ROWLOCK COURSE AT TOP AND BOTTOM; SOLDIER COURSE AT THE MIDDLE. TO MATCH EXISTING
04.21	CAST STONE MEDALLION, REFER TO PROFILE DETAILS
04.23	2 COURSE HIGH: PROJECTED BRICK HORIZONTAL COURSING TO ALIGN AND MATCH WITH EXISTING, SEE WALL SECTIONS FOR ADDITIONAL INFORMATION
04.24	PROJECTED BRICK FAUX PILASTER TO MATCH EXISTING, SEE ARCHITECTURAL DETAILS
07.41	PRE-FINISHED STANDING SEAM METAL ROOF, FINISH COLOR BY ARCHITECT
07.96	ALUMINUM WRAPPED PRESSURE TREATED PLYWOOD FASCIA
08.45	STOREFRONT WINDOW AND GLAZING SYSTEM FINISH COLOR TO MATCH EXISTING
08.91	MECHANICAL LOUVER FINISH COLOR BY ARCHITECT
09.08	PAINTED STUCCO, COLOR TO MATCH EXISTING
09.95	REPAINTING OF EXISTING METAL ITEMS, RAILINGS, WINDOWS, AND DOOR FRAMES TO MATCH NEW
13.06	PREFINISHED ALUMINUM COMMERCIAL GRADE GUTTER AND RAINWATER LEADER PROFILE AND COLOR TO MATCH EXISTING (SUPPLY AND INSTALL PREFABRICATED SPLASH PADS WHERE NOT DRAINING TO HARD SURFACE

LEGEND

- NEW PREFINISHED STANDING SEAM METAL ROOF SYSTEM
- NEW ROOF MEMBRANE
- EXISTING PREFINISHED STANDING SEAM METAL ROOF SYSTEM
- OUTLINE OF BUILDING BELOW
- MECHANICAL EQUIPMENT, SEE MECHANICAL
- ROOF CURB
- EXHAUST FAN, SEE MECHANICAL

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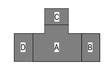

REVISIONS

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Project Number **25014**

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DEDUCT ALTERNATE

A-122

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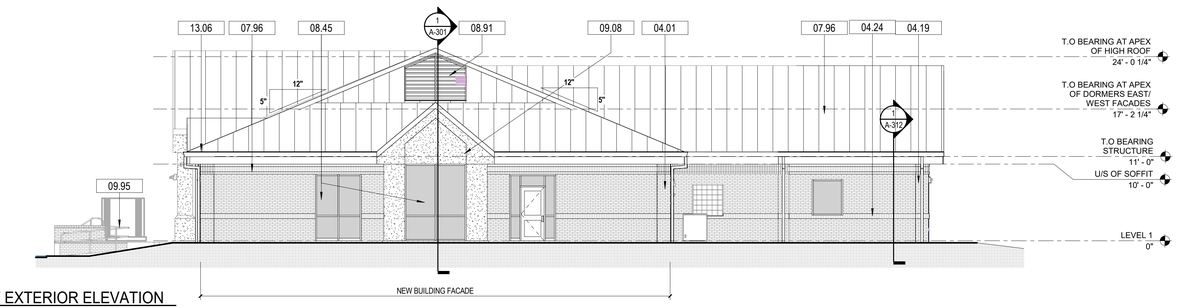
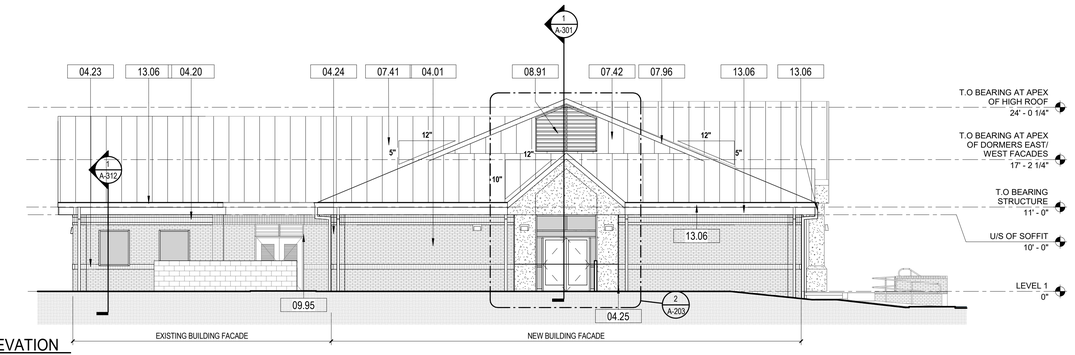
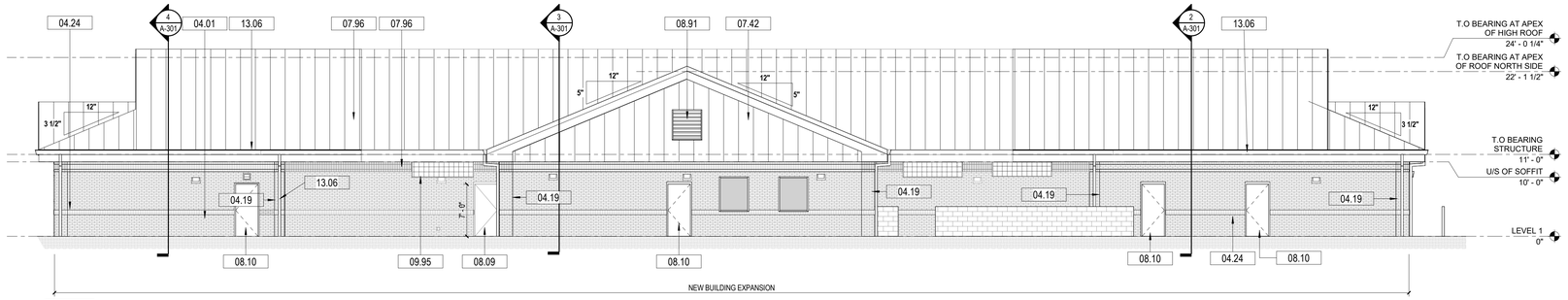


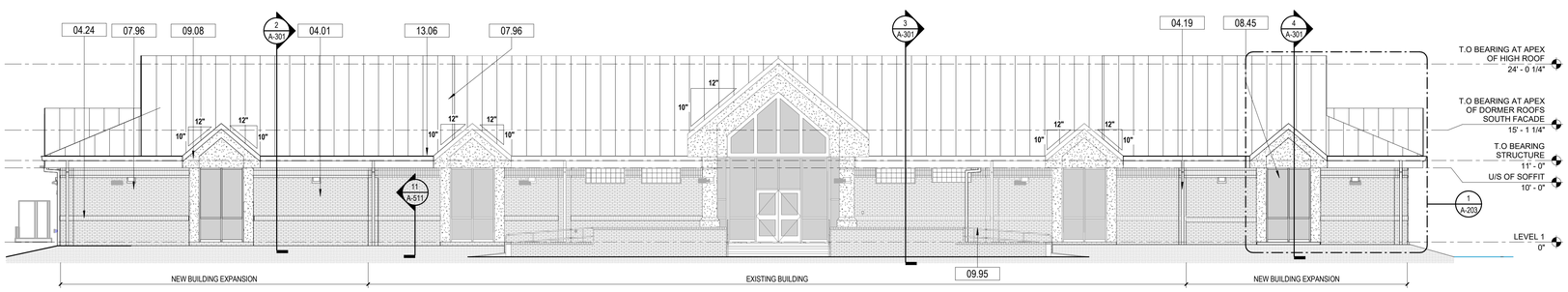
1 OVERALL EAST EXTERIOR ELEVATION
1/8" = 1'-0"



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



3 OVERALL NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



4 OVERALL SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

GENERAL NOTES

BUILDING ELEVATION

1. CONTRACTOR SHALL PROVIDE THE ARCHITECT / OWNER SAMPLES OF ALL EXTERIOR FINISHES FOR APPROVAL.
2. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS AT THE BUILDING ENVELOPE PRIOR TO FABRICATION AND INSTALLATION.
3. SEE STRUCTURE FOR DESIGN PRESSURES REQUIRED FOR EXTERIOR CLADDING COMPONENTS.
4. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
5. REFER TO A-600 SERIES SHEETS FOR DOOR AND WINDOW SCHEDULES AND ADDITIONAL INFORMATION.
6. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
7. ITEMS NOTED ARE TYPICAL EXAMPLES, EVERY INSTANCE MAY NOT BE NOTED OR TAGGED.
8. SEE ELECTRICAL FOR EXTERIOR LIGHTING FIXTURE AND DEVICE SCHEDULE(S).
9. SEE TELECOM FOR CAMERA, CARD READER, ETC. SCHEDULE(S).
10. DIMENSIONS SHOWN ARE REFERENCED TO FACE OF EXTERIOR FINISHES.
11. LANDSCAPE NOT SHOWN, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
12. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
13. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
14. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
15. SEE OTHER DISCIPLINES FOR ROOF PENETRATIONS NOT SHOWN.
16. SEE PLUMBING PLANS FOR WATER HYDRANT LOCATIONS ON THE EXTERIOR.
17. SEE ELECTRICAL DRAWINGS FOR WATER PROOF EXTERIOR ELECTRICAL RECEPTACLES.

KEYNOTES

NUMBER	DESCRIPTION
04.01	4" BRICK VENEER RUNNING BOND - ANCHOR 16" O.C. HORIZONTAL & VERTICAL MIN. TYPICAL.
04.19	BRICK PROJECTION SEE DETAILS
04.20	3 COURSE HIGH: PROJECTED ROWLOCK COURSE AT TOP AND BOTTOM; SOLDIER COURSE AT THE MIDDLE, TO MATCH EXISTING
04.23	2 COURSE HIGH: PROJECTED BRICK HORIZONTAL COURSING TO ALIGN AND MATCH WITH EXISTING, SEE WALL SECTIONS FOR ADDITIONAL INFORMATION
04.24	PROJECTED BRICK FAUX PILASTER TO MATCH EXISTING, SEE ARCHITECTURAL DETAILS
04.25	EXPANSION JOINTS SEE PLANS FOR LOCATIONS, AND DETAILS FOR MORE INFORMATION
07.41	PRE-FINISHED STANDING SEAM METAL ROOF, FINISH COLOR BY ARCHITECT
07.42	PRE-FINISHED STANDING SEAM METAL WALL PANEL - SEE ELEVATIONS FOR COLOR
07.96	ALUMINUM WRAPPED PRESSURE TREATED PLYWOOD FASCIA.
08.09	
08.10	HOLLOW METAL DOOR, PAINTED - SEE DOOR SCHEDULE AND FINISH SCHEDULE FOR TYPE, COLOR AND FINISH
08.45	STOREFRONT WINDOW AND GLAZING SYSTEM FINISH COLOR TO MATCH EXISTING
08.91	MECHANICAL LOUVER FINISH COLOR BY ARCHITECT
09.08	PAINTED STUCCO, COLOR TO MATCH EXISTING
09.95	REPAINTING OF EXISTING METAL ITEMS, RAILINGS, WINDOWS, AND DOOR FRAMES TO MATCH NEW
13.06	PREFINISHED ALUMINUM COMMERCIAL GRADE GUTTER AND RAINWATER LEADER PROFILE AND COLOR TO MATCH EXISTING (SUPPLY AND INSTALL PREFABRICATED SPLASH PADS WHERE NOT DRAINING TO HARD SURFACE

GRAPHIC LEGEND

PREFINISHED STANDING SEAM METAL ROOF SYSTEM

STUCCO

BRICK VENEER

NOTE: REFER TO FINISH SCHEDULE IN A-600 SERIES SHEETS FOR ADDITIONAL INFORMATION

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EXTERIOR ELEVATIONS

A-201

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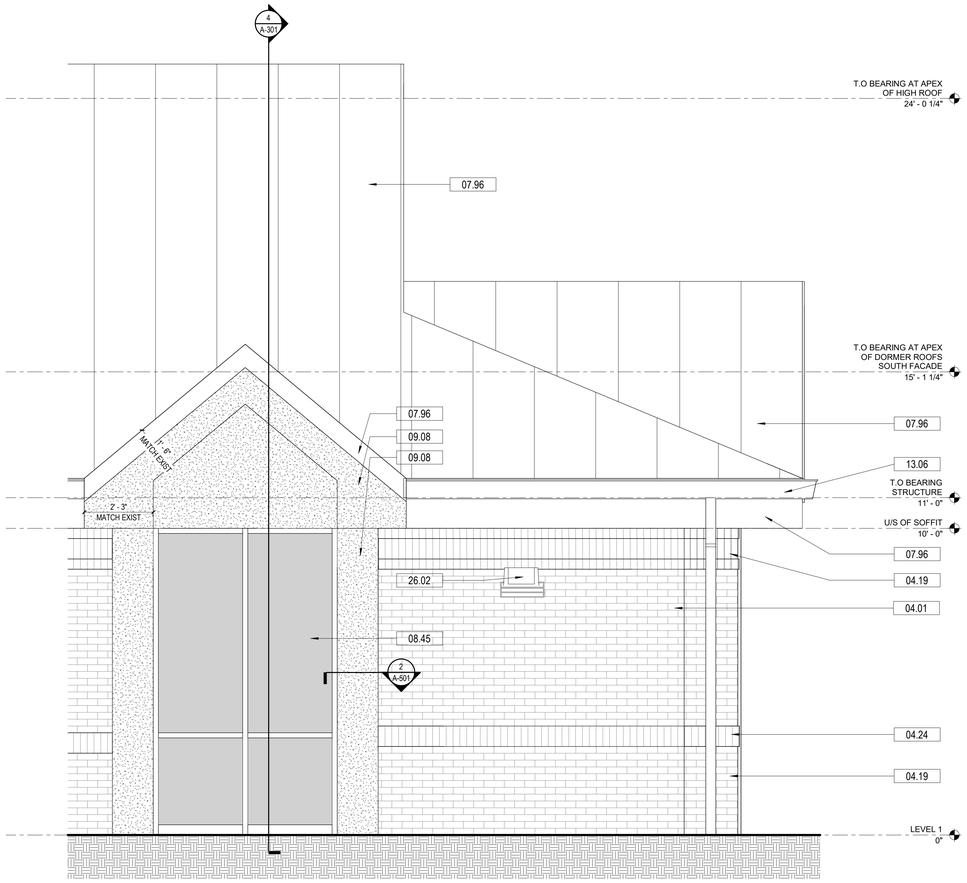
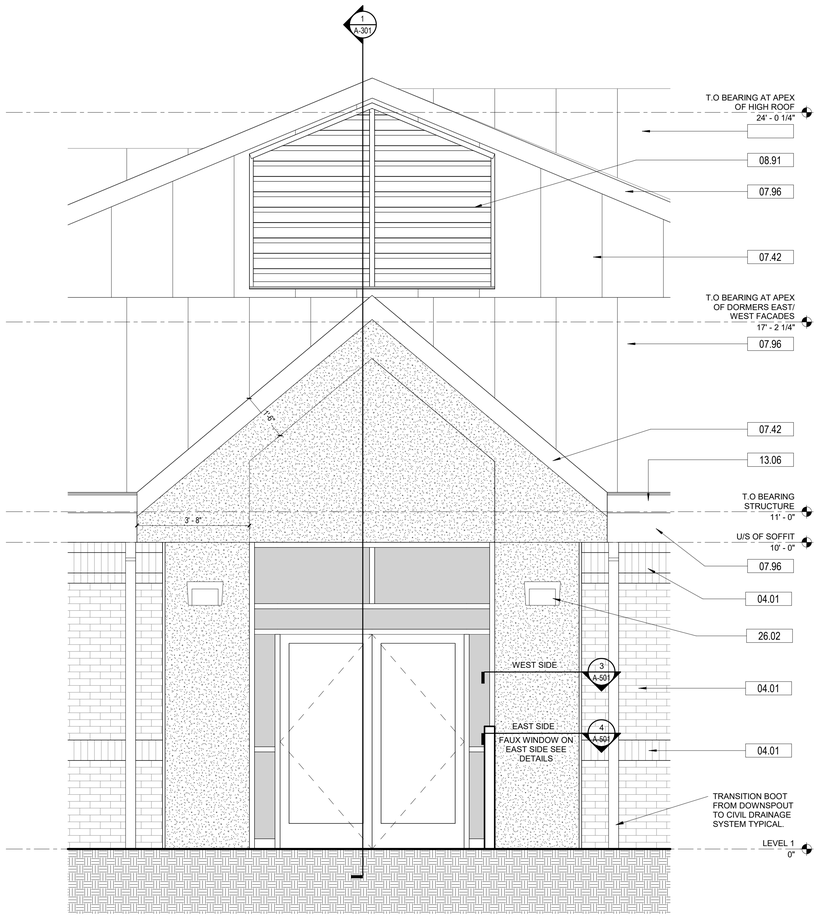


1 PARTIAL SOUTH ELEVATION-ENLARGED.
1/2" = 1'-0"



2 PARTIAL EAST & WEST ELEVATION ENLARGED.
1/2" = 1'-0"

GENERAL NOTES

BUILDING ELEVATION

1. CONTRACTOR SHALL PROVIDE THE ARCHITECT / OWNER SAMPLES OF ALL EXTERIOR FINISHES FOR APPROVAL.
2. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS AT THE BUILDING ENVELOPE PRIOR TO FABRICATION AND INSTALLATION.
3. SEE STRUCTURE FOR DESIGN PRESSURES REQUIRED FOR EXTERIOR CLADDING COMPONENTS.
4. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
5. REFER TO A-600 SERIES SHEETS FOR DOOR AND WINDOW SCHEDULES AND ADDITIONAL INFORMATION.
6. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
7. ITEMS NOTED ARE TYPICAL EXAMPLES, EVERY INSTANCE MAY NOT BE NOTED OR TAGGED.
8. SEE ELECTRICAL FOR EXTERIOR LIGHTING FIXTURE AND DEVICE SCHEDULE(S).
9. SEE TELECOM FOR CAMERA, CARD READER, ETC. SCHEDULE(S).
10. DIMENSIONS SHOWN ARE REFERENCED TO FACE OF EXTERIOR FINISHES.
11. LANDSCAPE NOT SHOWN, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
12. SEE REVIEWED FINAL SHOP DRAWINGS FOR ALL FLASHING AND WATERPROOFING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
13. ROOF SYSTEM DIMENSIONS, SHAPES, AND MEMBERS ARE FOR DESIGN INTENT ONLY. SEE REVIEWED FINAL ROOF SHOP DRAWINGS FOR SPECIFIC INFORMATION AND COORDINATION.
14. GENERAL CONTRACTOR SHALL COORDINATE ALL SYSTEMS PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
15. SEE OTHER DISCIPLINES FOR ROOF PENETRATIONS NOT SHOWN.
16. SEE PLUMBING PLANS FOR WATER HYDRANT LOCATIONS ON THE EXTERIOR.
17. SEE ELECTRICAL DRAWINGS FOR WATER PROOF EXTERIOR ELECTRICAL RECEPTACLES.

KEYNOTES

NUMBER	DESCRIPTION
04.01	4" BRICK VENEER RUNNING BOND - ANCHOR 16" O.C. HORIZONTAL & VERTICAL MIN. TYPICAL
04.19	BRICK PROJECTION SEE DETAILS
04.24	PROJECTED BRICK FAUX PILASTER TO MATCH EXISTING, SEE ARCHITECTURAL DETAILS
07.42	PRE-FINISHED STANDING SEAM METAL WALL PANEL - SEE ELEVATIONS FOR COLOR
07.96	ALUMINUM WRAPPED PRESSURE TREATED PLYWOOD FASCIA
08.45	STOREFRONT WINDOW AND GLAZING SYSTEM FINISH COLOR TO MATCH EXISTING
08.91	MECHANICAL LOUVER FINISH COLOR BY ARCHITECT
09.08	PAINTED STUCCO, COLOR TO MATCH EXISTING
13.06	PREFINISHED ALUMINUM COMMERCIAL GRADE GUTTER AND RAINWATER LEADER PROFILE AND COLOR TO MATCH EXISTING (SUPPLY AND INSTALL PREFABRICATED SPLASH PADS WHERE NOT DRAINING TO HARD SURFACE
26.02	WALL MOUNTED LIGHTING - SEE ELECTRICAL PLANS

GRAPHIC LEGEND

PREFINISHED STANDING SEAM METAL ROOF SYSTEM

STUCCO

BRICK VENEER

NOTE: REFER TO FINISH SCHEDULE IN A-600 SERIES SHEETS FOR ADDITIONAL INFORMATION

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ENLARGED EXTERIOR ELEVATIONS

A-203

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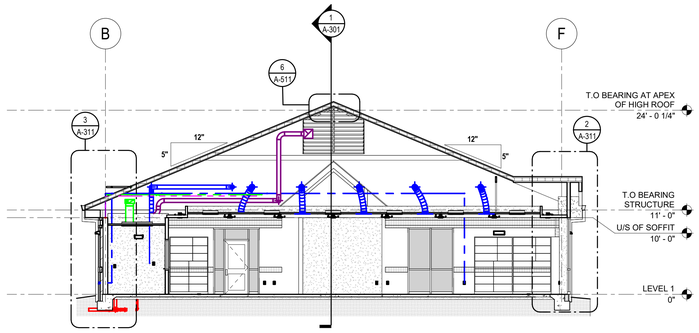
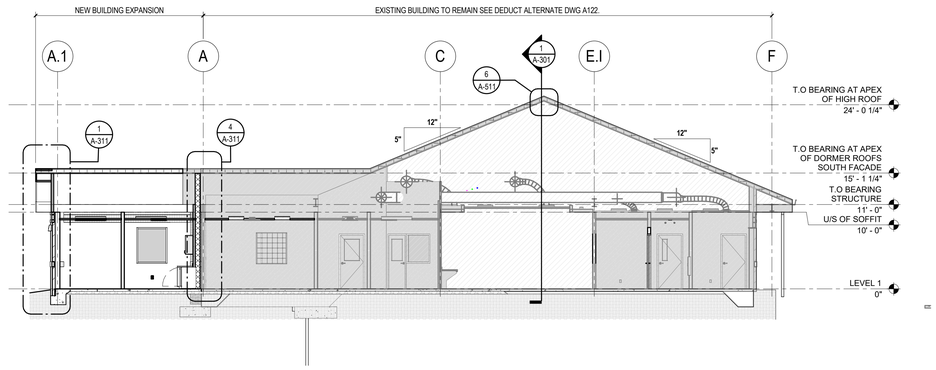
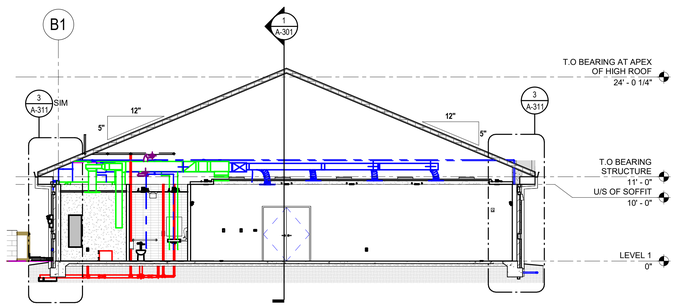


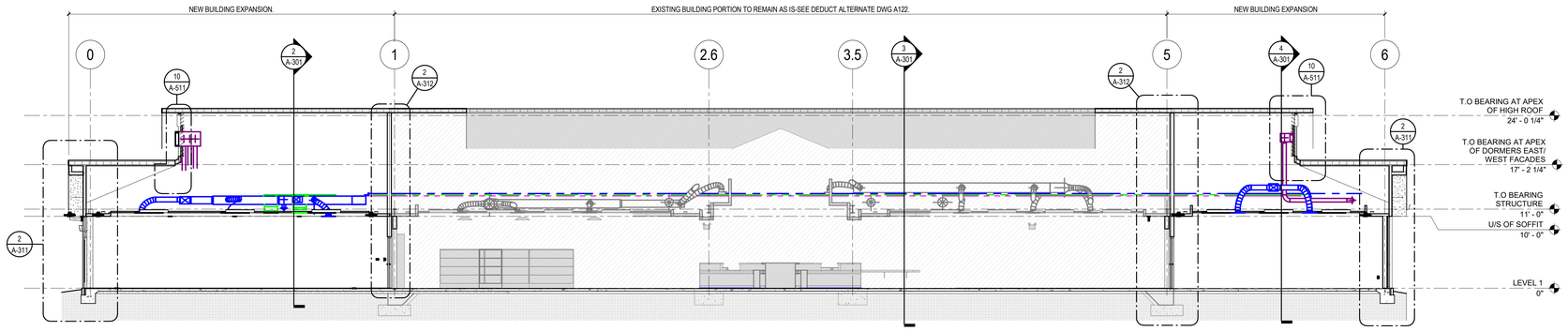
4 CROSS SECTION 3
1/8" = 1'-0"



3 CROSS SECTION 2
1/8" = 1'-0"



2 CROSS SECTION 1
1/8" = 1'-0"



1 LONGITUDINAL SECTION 1
1/8" = 1'-0"

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Project Number **25014**
Dated 09-16-2025

BUILDING SECTIONS
A-301

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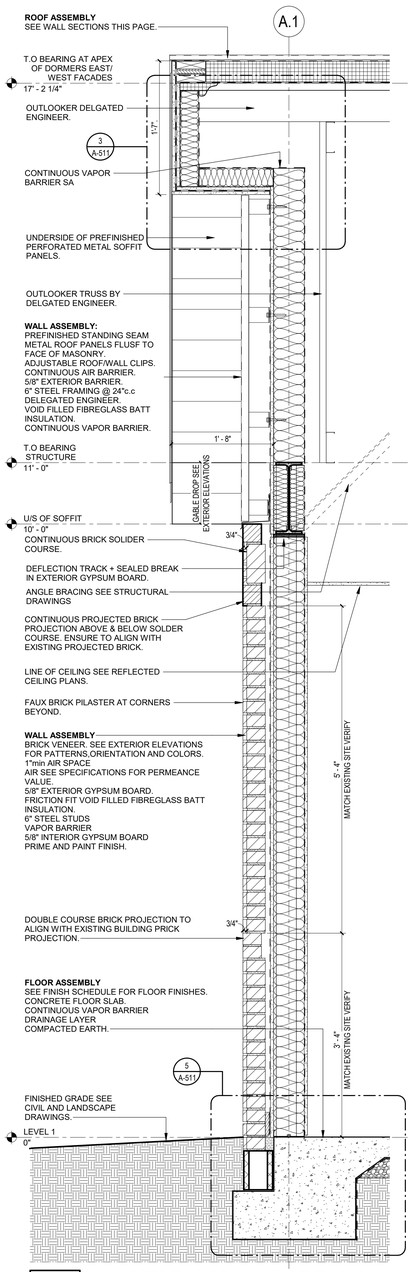
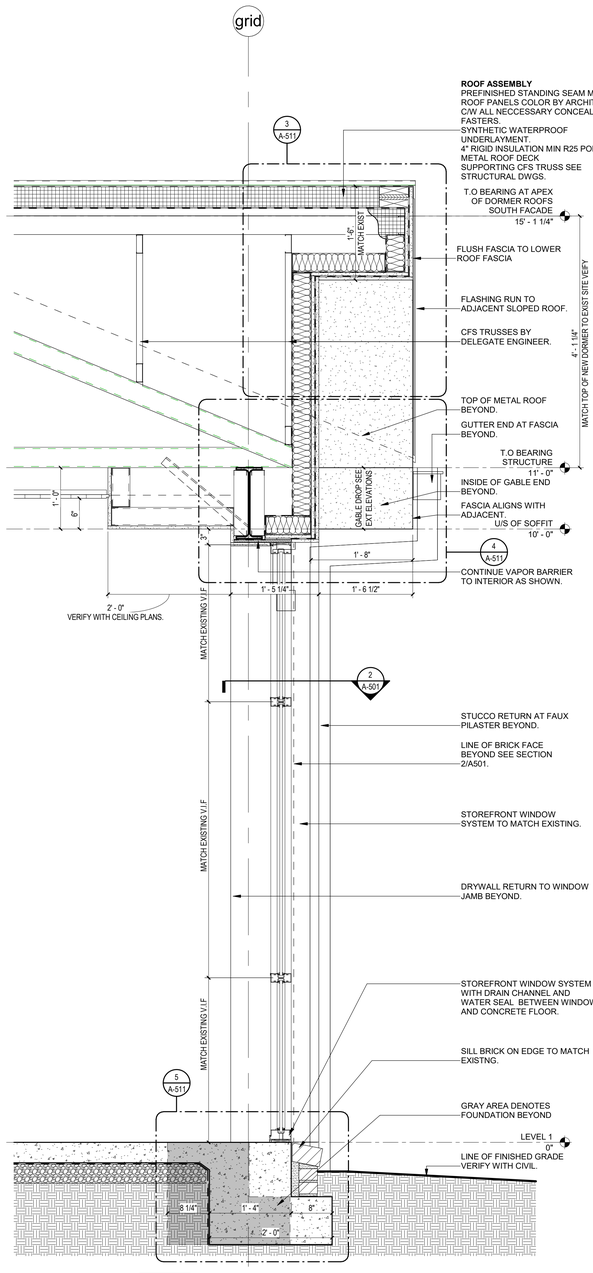
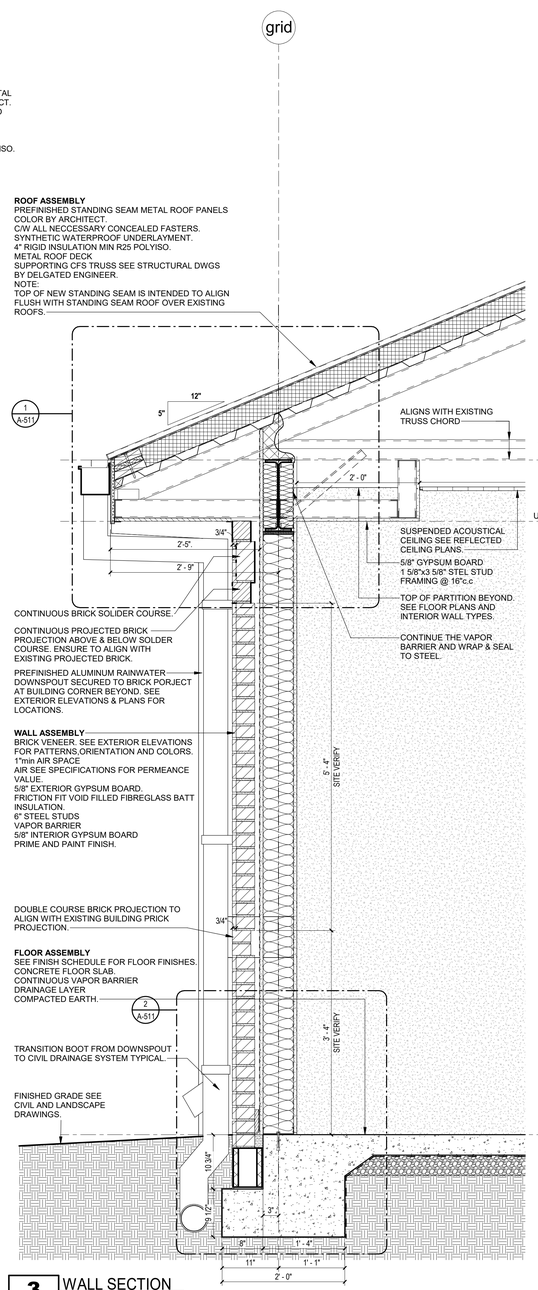


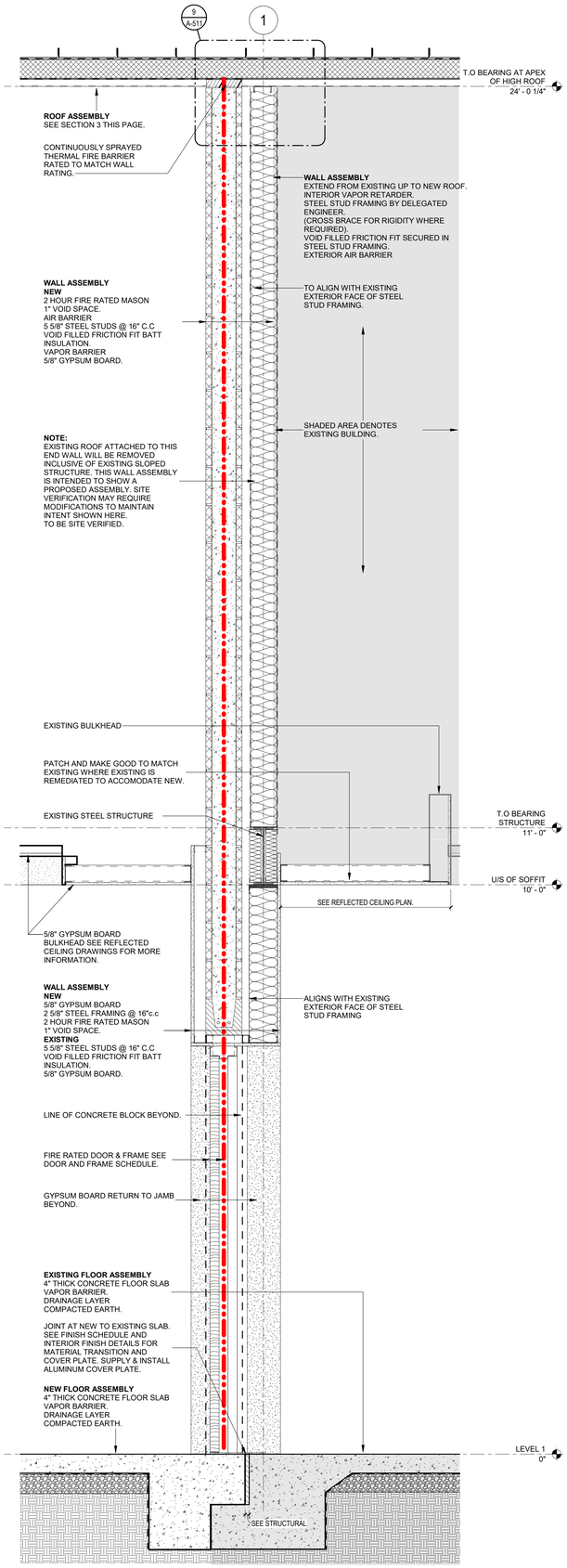
1 WALL SECTION NORTH EXTENSION
1" = 1'-0"



2 DORMER SECTION NORTH SIDE
1" = 1'-0"



3 WALL SECTION
1" = 1'-0"



4 WALL SECTION AT EXPANSION
1" = 1'-0"

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WALL SECTIONS

A-311

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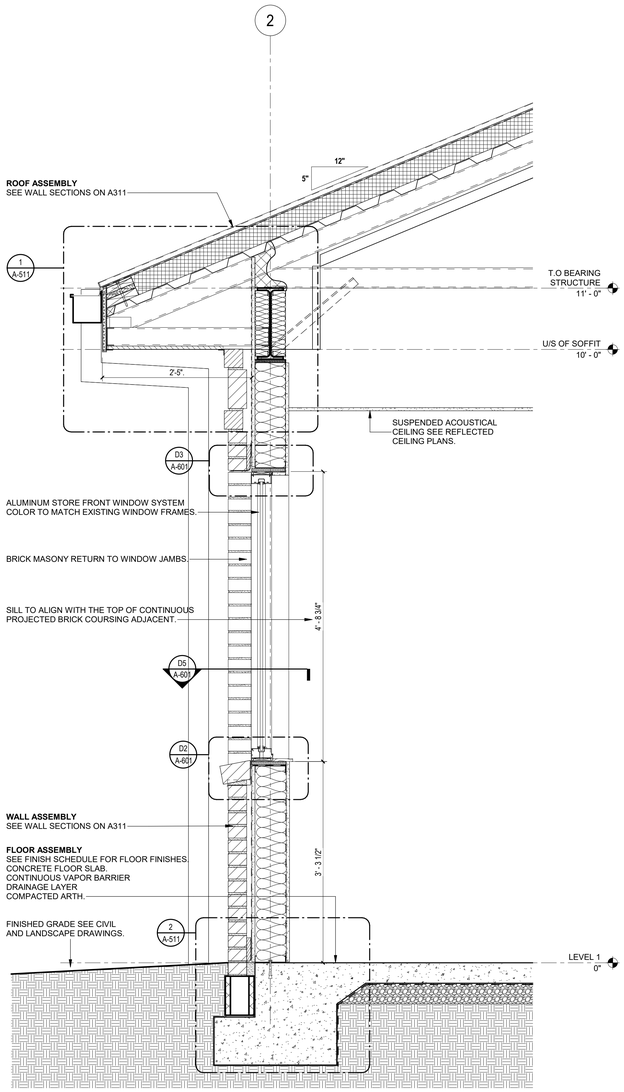
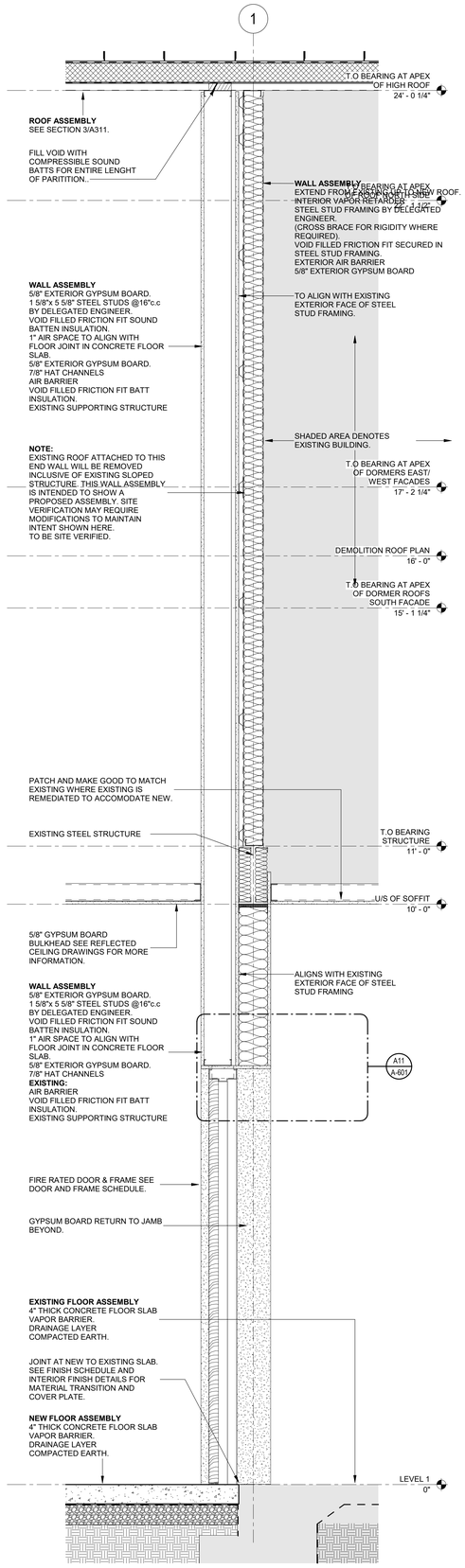


1 WALL SECTION THROUGH WINDOW
1" = 1'-0"



2 DIMISING WALL SECTION AT EAST & WEST SECTIONS.
1" = 1'-0"

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WALL SECTIONS

A-312

MATERIAL SCHEDULE

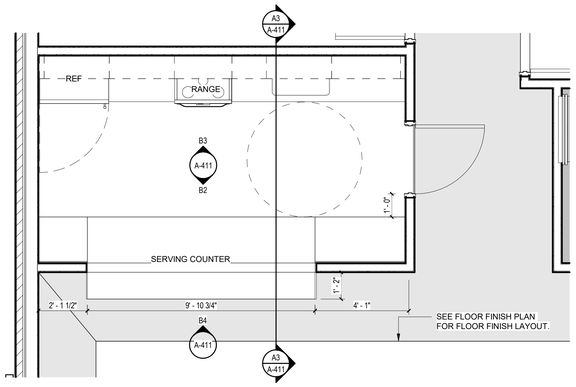
KEY	ITEM TYPE	MANUFACTURER	PRODUCT NAME	PRODUCT NO.	COLOR / FINISH	COMMENTS
26						
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
GYP-2	5/8" TYPE X MOISTURE RESISTANT GYPSUM	-	-	-	-	
1. FLOOR						
CPT-1	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00120 - CHAMPAGNE	CARPET PATTERN IS LAID STAGGERED
CPT-2	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00430 - AGAVE	CARPET PATTERN IS LAID STAGGERED
CPT-3	CARPET PLANK	PATCRAFT	COLOR YOUR WORLD 24" X 24"	I0110	00490 - TWILIGHT	
EPXY	EPOXY	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	PRODUCT TO BE INSTALLED W/ A 6" INTEGRATED BASE
EXP-S	EXPOSED SLAB	-	-	-	-	
LVP-1	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00140 - STARBOARD - V2	20 MIL TREAD
LVP-2	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00360 - SEASCAPE - V2	20 MIL TREAD
T-1	FLOOR TILE	MEROLA TILE	TWENTIES 7 3/4" X 7 3/4"	-	GREY	TILE TO TRANSITION TO LVP-2 AT DOORWAYS VIA SCHLUTER SLOPED TRANSITION.
2. BASE						
EPXB	6" INTEGRATED EPOXY BASE	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	
RB	RUBBER BASE	TARKETT	JOHNSONITE WALL BASE DURACOVE THERMOPLASTIC RUBBER	440146200	DC 92 BLUE LAGOON	
TB	TILE BASE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	ONE 4" COURSE OF TILE AT BASE TO BE CAPPED BY SCHLUTER STRIPS INSTEAD OF BULL NOSE.
3. WALL						
P-1	PAINT	SHERWIN WILLIAMS	-	SW 7757	HIGH REFLECTIVE WHITE	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
P-2	PAINT	SHERWIN WILLIAMS	SHER-COLOR FORMULA	-	-	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
T-2	WALL TILE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	
4. CEILING						
ACT	2 X 2 ACCOUSTIC CEILING TILE	-	-	-	-	
EXP-C	EXPOSED CEILING	-	-	-	-	
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
P-1	PAINT	SHERWIN WILLIAMS	TBD	TBD	TBD	
5. CASE WORK						
CW-1	LAMINATE CASEWORK	WILSONART	STANDARD LAMINATE	D321-60	BRITTANY BLUE, MATTE FINISH	INTERIOR LAMINATE FOR CABINETS AND DRAWERS SHALL BE STANDARD WHITE FROM WILSONART.
SS-1	SOLID SURFACE COUNTERTOP	CORIAN	SOLID SURFACE	-	GLACIER WHITE	COUNTERTOP TO HAVE 4" BACKSPLASH IN LOCATIONS WHERE IT CONTACTS THE WALL. GRID AND POLISH ALL EXPOSED EDGESNO SHARP EDGES
6. ACCESSORIES						
1	SINK SEE PLUMBING DRAWINGS					
2	APPLIANCE SUPPLIED BY OWNER INSTALL BY GC					
3						

FINISH SCHEUDLE

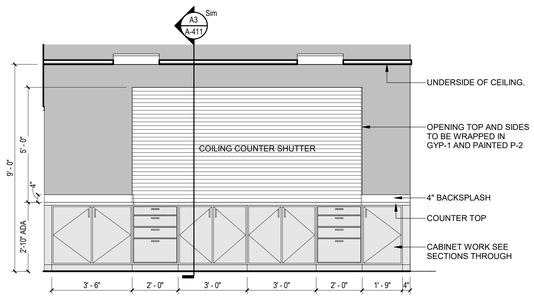
NO.	NAME	FLOOR		NORTH		EAST		SOUTH		WEST		CEILING		COMMENTS
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
1	LOBBY													
2	WOMEN'S RR													
3	MEN'S RR													
4	STG													
5	MEETING ROOM													
6	STG													
7	COFFEE CORNER													
8	RECEPT													
9	ADULT BOOKSTACKS													
10	YA BOOKSTACKS													
11	OFFICE 1	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
12	OFFICE 2	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
13	SPEC. COLL.													
14	WORKROOM													
15	STUDY													
16	STUDY													
17	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
18	CIRC													
19	RR													
20	JAN													
21	TELECOMM													
22	MECH/ELEC													
23	CIRC	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
24	BREAKROOM	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
25	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
26	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
27	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
28	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
29	CHILDREN'S BOOKSTACKS	CPT-1/CPT-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
30	RR	EPXY	EPXB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
31	OFFICE	CPT-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
32	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
33	ASSEMBLY HALL	LVP-1/LVP-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
34	SERV. KITCHEN	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
35	RR	T-1	TB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
36	RR	T-1	TB	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1	T-2/T-3	-			REFER TO INTERIOR ELEVATION FOR SPECIFICS
37	CHAIR/TABLE STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
38	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
39	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
40	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			

GENERAL NOTES

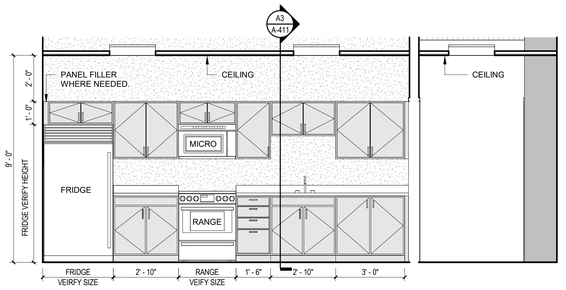
1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. THE CONTRACTOR SHALL PROVIDE REINFORCING WOOD BLOCKING BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT. COORDINATE WITH A / V, DATA, CASEWORK, FURNITURE, ELECTRICAL, AND INTERIOR ELEVATION DRAWINGS.
3. INTERIOR DOORS TO BE LOCATED MIN 6" FROM ADJACENT STUD PARTITIONS AND 8" FROM ADJACENT MASONRY PARTITIONS, UNLESS DIMENSIONED OR NOTED OTHERWISE.
4. CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND ALL OTHER DISCIPLINES.
5. REFER TO FINISH SCHEDULE(S) IN A-600 SERIES SHEETS FOR FINISHES.
6. REFER TO A-011 AND A-600 SERIES SHEETS FOR ADDITIONAL INFORMATION ON INTERIOR PARTITION TYPE ASSEMBLIES.
7. PROVIDE 1/8" / FT MIN SLOPE TOWARDS ALL FLOOR DRAINS, UNO.
8. ALL MILLWORK HARDWARE SHALL BE "SOFT AUTOCLOSE" THIS INCLUDES DRAWERS AND CABINET DOORS.
9. ALL TOILET FIXTURES AND ACCESSORIES TO BE AS SPECIFIED, UNLESS NOTED OTHERWISE. DESIGNATED HANDICAPPED RESTROOMS TO MEET A.D.A. AND HANDICAPPED REQUIREMENTS.
10. ALL OPERABLE PARTS OR MECHANISMS FOR HANDICAPPED TOILET FIXTURES AND ACCESSORIES SHALL NOT BE HIGHER THAN 48" A.F.F. REFER TO INDIVIDUAL MECHANISMS FOR ADDI'L F.B.C. REQUIREMENTS.
11. ALL OPERABLE PARTS OR MECHANISMS FOR HANDICAPPED TOILET FIXTURES AND ACCESSORIES SHALL NOT BE HIGHER THAN 48" A.F.F. REFER TO INDIVIDUAL MECHANISMS FOR ADDI'L F.B.C. REQUIREMENTS.
12. ALL GYPSUM BOARD TO BE USED INSIDE RESTROOMS AND JANITORIAL CLOSETS TO BE MOISTURE RESISTANT (M.R.), UNLESS NOTED OTHERWISE.
13. FAUCETS SHALL LEVER-OPERATED, PUSH-TYPE, OR ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE.
14. THE LAVATORY CLEAR SPACE IS 30 INCHES BY 48 INCHES (MIN.), IT SHALL BE PROVIDED IN FRONT OF THE LAVATORY TO ALLOW FOR FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & EXTEND A MAX. OF 19 INCHES UNDERNEATH THE LAVATORY.
15. FLUSH CONTROLS SHALL BE HAND- OPERATED. FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 44 INCHES A.F.F.
16. TOILET PAPER DISPENSERS SHALL BE INSTALLED WITHIN REACH, AS SHOWN. DISPENSERS THAT CONTROL DELIVERY, OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW, SHALL NOT BE USED.
17. KNEE-CLEARANCE THAT IS AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 19 INCHES DEEP SHALL BE PROVIDED UNDERNEATH SINKS/LAVATORIES.
18. ALL FIXTURES AND ACCESSORIES HAVE TO COMPLY WITH AND HAVE TO BE MOUNTED TO MEET ALL APPLICABLE HANDICAPPED ACCESSIBLE CODES AND "ADA" STANDARDS, TYPICAL.
19. ALL FIXTURES AND ACCESSORIES HAVE TO COMPLY WITH AND HAVE TO BE MOUNTED TO MEET ALL APPLICABLE HANDICAPPED ACCESSIBLE CODES AND "ADA" STANDARDS, TYPICAL.
20. CONTRACTOR TO SUPPLY FIRE RETARDANT. TREATED WOOD OR METAL BACKING AT THE HEIGHTS INDICATED TO SUPPORT ALL GRAB BARS AND FIXTURES. BLOCKING AND FASTENERS MUST CONFORM TO A MINIMUM SHEAR AND STRUCTURAL STRESS.
21. POLISHED CHROME PULLS 6" HIGH 5/8"•– CENTERS
22. ALL APPLIANCES ARE SUPPLIED BY OWNER INSTALED BY GENERAL CONTRACTOR.



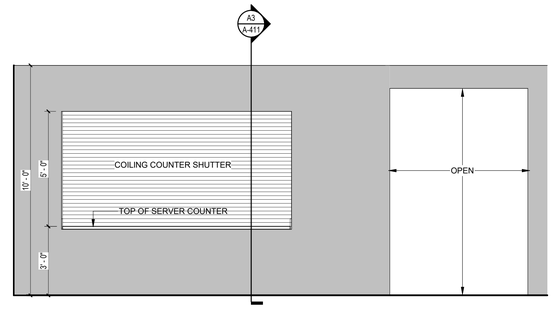
B1 SERVER KITCHEN - ENLARGED PLAN
3/8" = 1'-0"



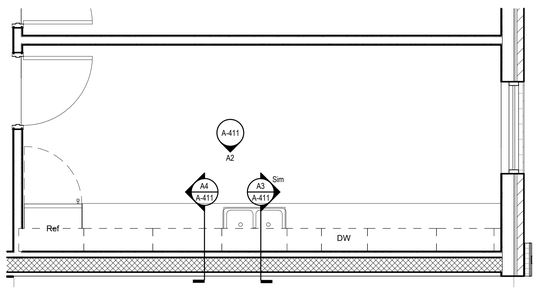
B2 SERVER KITCHEN - SOUTH ELEVATION
3/8" = 1'-0"



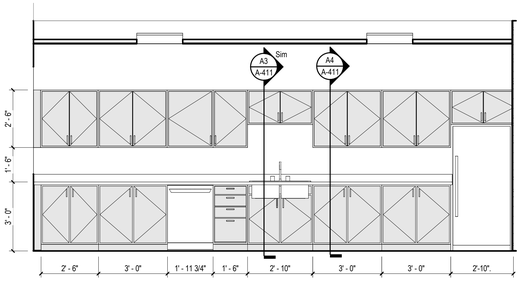
B3 SERVER KITCHEN - NORTH, INTERIOR
3/8" = 1'-0"



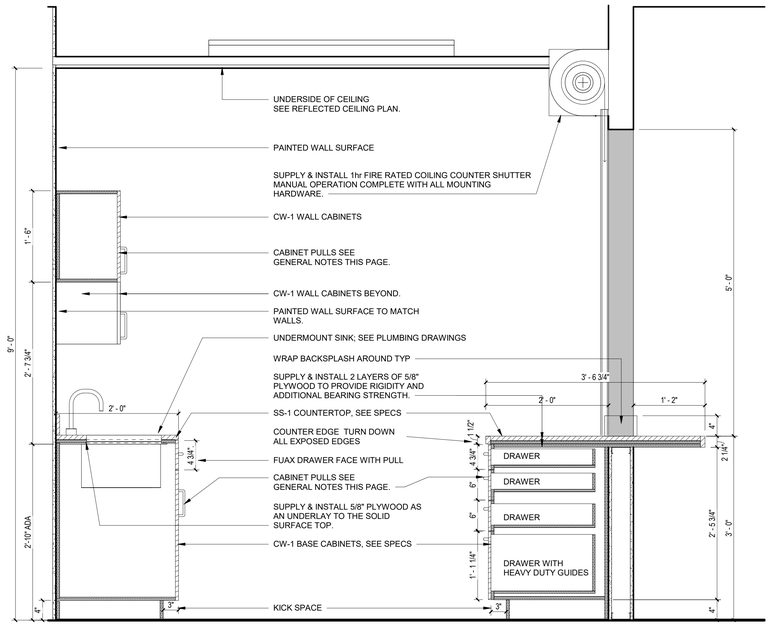
B4 SERVER KITCHEN - NORTH, EXTERIOR
3/8" = 1'-0"



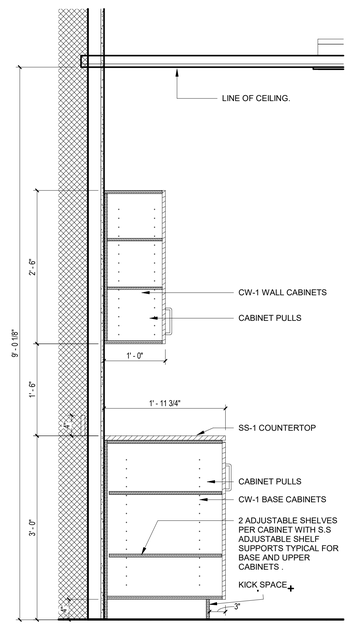
A1 BREAKROOM - ENLARGED PLAN
3/8" = 1'-0"



A2 BREAKROOM - SOUTH
3/8" = 1'-0"



A3 MILLWORK SECTIONS
1" = 1'-0"



A4 MILLWORK SECTION
1" = 1'-0"

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REVISIONS

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Project Number **25014**
Dated 09-16-2025

ENLARGED ROOM PLANS & ELEVATIONS

A-411

MATERIAL SCHEDULE

KEY	ITEM TYPE	MANUFACTURER	PRODUCT NAME	PRODUCT NO.	COLOR / FINISH	COMMENTS
26						
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
GYP-2	5/8" TYPE X MOISTURE RESISTANT GYPSUM	-	-	-	-	
1. FLOOR						
CPT-1	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00120 - CHAMPAGNE	CARPET PATTERN IS LAID STAGGERED
CPT-2	CARPET PLANK	PATCRAFT	COLORSYNC	I0688	00430 - AGAVE	CARPET PATTERN IS LAID STAGGERED
CPT-3	CARPET PLANK	PATCRAFT	COLOR YOUR WORLD 24" X 24"	I0110	00490 - TWILIGHT	
EPXY	EPOXY	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	PRODUCT TO BE INSTALLED W/ A 6" INTEGRATED BASE
EXP-S	EXPOSED SLAB	-	-	-	-	
LVP-1	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00140 - STARBOARD - V2	20 MIL TREAD
LVP-2	LUXURY VINYL PLANK	PATCRAFT	POLYCHROME	I746V	00360 - SEASCAPE - V2	20 MIL TREAD
T-1	FLOOR TILE	MEROLA TILE	TWENTIES 7 3/4" X 7 3/4"	-	GREY	TILE TO TRANSITION TO LVP-2 AT DOORWAYS VIA SCHLUTER SLOPED TRANSITION.
2. BASE						
EPXB	6" INTEGRATED EPOXY BASE	PATCRAFT	TRADITIONAL FLAKE	E001R	TBD	
RB	RUBBER BASE	TARKETT	JOHNSONITE WALL BASE DURACOVE THERMOPLASTIC RUBBER	440146200	DC 92 BLUE LAGOON	
TB	TILE BASE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	ONE 4" COURSE OF TILE AT BASE TO BE CAPPED BY SCHLUTER STRIPS INSTEAD OF BULL NOSE.
3. WALL						
P-1	PAINT	SHERWIN WILLIAMS	-	SW 7757	HIGH REFLECTIVE WHITE	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
P-2	PAINT	SHERWIN WILLIAMS	SHER-COLOR FORMULA	-	-	MATCH TO EXIST PAINT. SEE OWNER FOR INFO.
T-2	WALL TILE	TILE BAR	SANTA MONICA POLISHED CERAMIC 4" X 12"	-	WHITE	
4. CEILING						
ACT	2 X 2 ACCOUSTIC CEILING TILE	-	-	-	-	
EXP-C	EXPOSED CEILING	-	-	-	-	
GYP-1	5/8" TYPE X GYPSUM	-	-	-	-	
P-1	PAINT	SHERWIN WILLIAMS	TBD	TBD	TBD	
5. CASE WORK						
CW-1	LAMINATE CASEWORK	WILSONART	STANDARD LAMINATE	D321-60	BRITTANY BLUE, MATTE FINISH	INTERIOR LAMINATE FOR CABINETS AND DRAWERS SHALL BE STANDARD WHITE FROM WILSONART.
SS-1	SOLID SURFACE COUNTERTOP	CORIAN	SOLID SURFACE	-	GLACIER WHITE	COUNTERTOP TO HAVE 4" BACKSPLASH IN LOCATIONS WHERE IT CONTACTS THE WALL. GRID AND POLISH ALL EXPOSED EDGESNO SHARP EDGES
6. ACCESSORIES						
1	SINK SEE PLUMBING DRAWINGS					
2	APPLIANCE SUPPLIED BY OWNER INSTALL BY GC					
3						

TOILET ACCESSORY SCHEDULE

ID	DESCRIPTION	MANUF	MODEL	COMMENTS
	<varies>	<varies>	<varies>	<varies>
BCS	Baby change table	Bradley Corporation	962	
BTS	BABY TODDLER CHAIR	Bradley Corporation	9611	
GB-1	36" Grab Bars	Bradley Corporation	812	
GB-2	42" Grab Bars	Bradley Corporation	812	
M1	ADA MIRROR	BRADLEY	781	
SD	Soap Dispenser	Bradley Corporation	6562	
TP	Toilet Paper Dispenser	Bradley Corporation	582-110089	
TW	Towel Dispenser	Bradley Corporation	2482-110000	

PLUMBING FIXTURE SCEHDULE

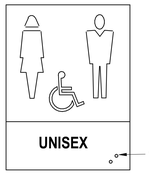
Type Mark	Manufacturer	Description	Model	Comments
LAV	Zurn Industries, LLC.	20" [508 mm] x 18" [457 mm] vitreous china wall hung lavatory with rear overflow and single faucet hole. Provided with holes for concealed or exposed arm carrier systems.	Z5311	
SINK		Kitchen Sink		
WC	Zurn Industries, LLC.	HET Elongated Floor Mounted EcoVantage Flush Valve Toilet System	Z5665-BWL	

FINISH SCHEUDLE

NO.	NAME	FLOOR		NORTH		EAST		SOUTH		WEST		CEILING		COMMENTS
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
1	LOBBY													
2	WOMEN'S RR													
3	MEN'S RR													
4	STG													
5	MEETING ROOM													
6	STG													
7	COFFEE CORNER													
8	RECEPT													
9	ADULT BOOKSTACKS													
10	YA BOOKSTACKS													
11	OFFICE 1	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
12	OFFICE 2	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
13	SPEC. COLL													
14	WORKROOM													
15	STUDY													
16	STUDY													
17	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
18	CIRC													
19	RR													
20	JAN													
21	TELECOMM													
22	MECH/ELEC													
23	CIRC	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	ACT	-	
24	BREAKROOM	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
25	STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
26	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
27	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
28	OFFICE	CPT-3	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
29	CHILDREN'S BOOKSTACKS	CPT-1/OPT-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
30	RR	EPXY	EPXB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
31	OFFICE	CPT-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
32	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
33	ASSEMBLY HALL	LVP-1/LVP-2	RB	GYP-1	P-2	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			REFER TO FINISH PLAN AND INTERIOR ELEVATION FOR SPECIFICS
34	SERV. KITCHEN	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
35	RR	T-1	TB	T-2/T-3	-	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1			REFER TO INTERIOR ELEVATION FOR SPECIFICS
36	RR	T-1	TB	T-2/T-3	-	GYP-1	P-1	GYP-1	P-1	T-2/T-3	-			REFER TO INTERIOR ELEVATION FOR SPECIFICS
37	CHAIR/TABLE STG	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
38	MECH/ELEC	EXP-S	-	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
39	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			
40	STORAGE	LVP-1	RB	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1	GYP-1	P-1			

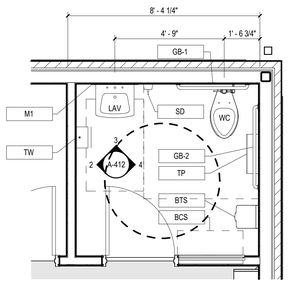
GENERAL NOTES

1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. THE CONTRACTOR SHALL PROVIDE REINFORCING WOOD BLOCKING BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT. COORDINATE WITH A / V, DATA, CASEWORK, FURNITURE, ELECTRICAL, AND INTERIOR ELEVATION DRAWINGS.
3. INTERIOR DOORS TO BE LOCATED MIN 6" FROM ADJACENT STUD PARTITIONS AND 8" FROM ADJACENT MASONRY PARTITIONS, UNLESS DIMENSIONED OR NOTED OTHERWISE.
4. CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND ALL OTHER DISCIPLINES.
5. REFER TO FINISH SCHEDULE(S) IN A-600 SERIES SHEETS FOR FINISHES.
6. REFER TO A-011 AND A-600 SERIES SHEETS FOR ADDITIONAL INFORMATION ON INTERIOR PARTITION TYPE ASSEMBLIES.
7. PROVIDE 1/8" / FT MIN SLOPE TOWARDS ALL FLOOR DRAINS, UNO.
8. ALL MILLWORK HARDWARE SHALL BE "SOFT AUTOCLOSE" THIS INCLUDES DRAWERS AND CABINET DOORS.
9. ALL TOILET FIXTURES AND ACCESSORIES TO BE AS SPECIFIED, UNLESS NOTED OTHERWISE. DESIGNATED HANDICAPPED RESTROOMS TO MEET A.D.A. AND HANDICAPPED REQUIREMENTS.
10. ALL OPERABLE PARTS OR MECHANISMS FOR HANDICAPPED TOILET FIXTURES AND ACCESSORIES SHALL NOT BE HIGHER THAN 48" A.F.F. REFER TO INDIVIDUAL MECHANISMS FOR ADD'L F.B.C. REQUIREMENTS.
11. ALL OPERABLE PARTS OR MECHANISMS FOR HANDICAPPED TOILET FIXTURES AND ACCESSORIES SHALL NOT BE HIGHER THAN 48" A.F.F. REFER TO INDIVIDUAL MECHANISMS FOR ADD'L F.B.C. REQUIREMENTS.
12. ALL GYPSUM BOARD TO BE USED INSIDE RESTROOMS AND JANITORIAL CLOSETS TO BE MOISTURE RESISTANT (M.R.), UNLESS NOTED OTHERWISE.
13. FAUCETS SHALL LEVER-OPERATED, PUSH-TYPE, OR ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE.
14. THE LAVATORY CLEAR SPACE IS 30 INCHES BY 48 INCHES (MIN.), IT SHALL BE PROVIDED IN FRONT OF THE LAVATORY TO ALLOW FOR FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & EXTEND A MAX. OF 19 INCHES UNDERNEATH THE LAVATORY.
15. FLUSH CONTROLS SHALL BE HAND- OPERATED. FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 44 INCHES A.F.F.
16. TOILET PAPER DISPENSERS SHALL BE INSTALLED WITHIN REACH, AS SHOWN. DISPENSERS THAT CONTROL DELIVERY, OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW, SHALL NOT BE USED.
17. KNEE-CLEARANCE THAT IS AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 19 INCHES DEEP SHALL BE PROVIDED UNDERNEATH SINKS/LAVATORIES.
18. ALL FIXTURES AND ACCESSORIES HAVE TO COMPLY WITH AND HAVE TO BE MOUNTED TO MEET ALL APPLICABLE HANDICAPPED ACCESSIBLE CODES AND "ADA" STANDARDS, TYPICAL.
19. ALL FIXTURES AND ACCESSORIES HAVE TO COMPLY WITH AND HAVE TO BE MOUNTED TO MEET ALL APPLICABLE HANDICAPPED ACCESSIBLE CODES AND "ADA" STANDARDS, TYPICAL.
20. CONTRACTOR TO SUPPLY FIRE RETARDANT. TREATED WOOD OR METAL BACKING AT THE HEIGHTS INDICATED TO SUPPORT ALL GRAB BARS AND FIXTURES. BLOCKING AND FASTENERS MUST CONFORM TO A MINIMUM SHEAR AND STRUCTURAL STRESS.
21. POLISHED CHROME PULLS 6" HIGH 5/8"+- CENTERS
22. ALL APPLIANCES ARE SUPPLIED BY OWNER INSTALED BY GENERAL CONTRACTOR.

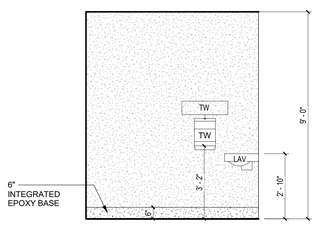


NOTE SEE DRAWING ADA COMPLIANCE DRAWING G-002
ADA FOR WASHROOM SIGNAGE REQUIRED GRAPHICS
AND MOUNTING HEIGHTS.
1 SIGN PER WASHROOM.

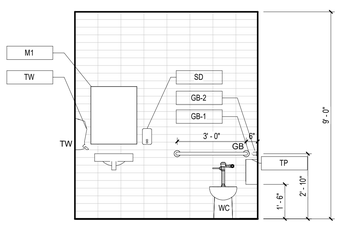
10 ADA COMPLIANCY SIGN
6" = 1'-0"



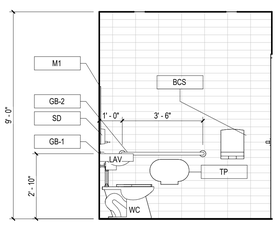
1 ENLARGED PLAN - KIDS' BOOKSTACKS RESTROOM
3/8" = 1'-0"



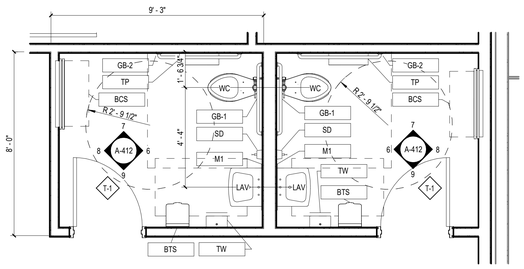
2 KIDS' RR - WEST
3/8" = 1'-0"



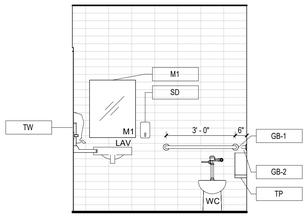
3 KIDS' RR - NORTH
3/8" = 1'-0"



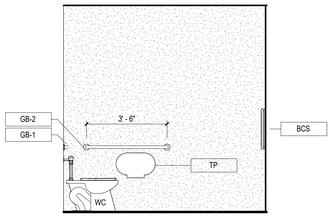
4 KIDS' RR - EAST
3/8" = 1'-0"



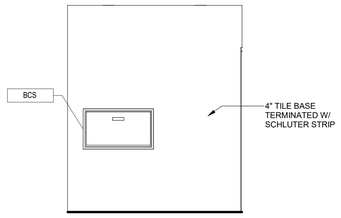
5 ENLARGED PLAN - ASSEMBLY HALL RESTROOM
3/8" = 1'-0"



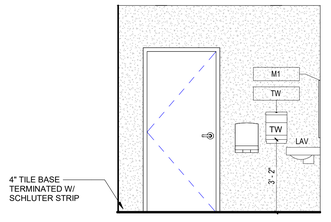
6 ASSEMBLY RR - WEST
3/8" = 1'-0"



7 ASSEMBLY RR - NORTH
3/8" = 1'-0"



8 ASSEMBLY RR - EAST
3/8" = 1'-0"



9 ASSEMBLY RR - SOUTH
3/8" = 1'-0"

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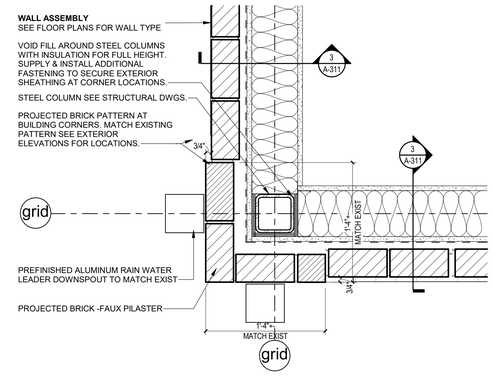
Released for Bid: 10/08/2025

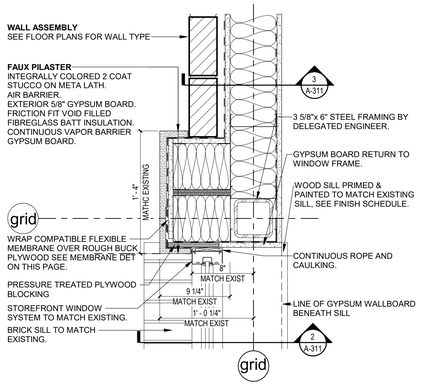
Project Number **25014**
Dated 09-16-2025

ENLARGED WASHROOM FLOOR PLANS & ELEVATIONS

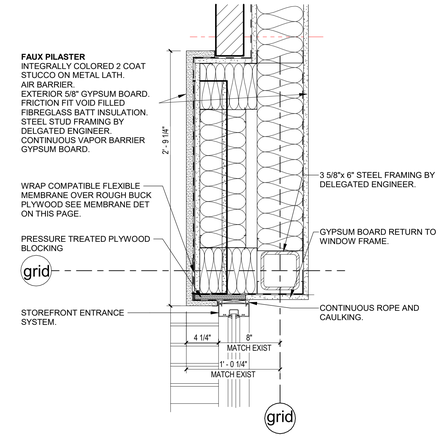
A-412



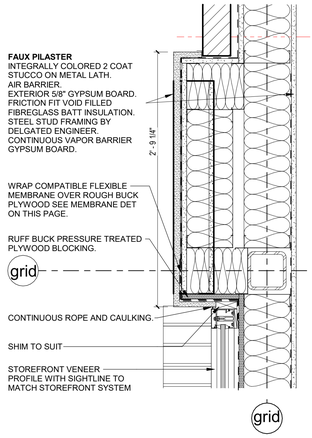
1 FAUX PILASTER AT CORNERS
1 1/2" = 1'-0"



2 FAUX STUCCO PILASTER NORTH SIDE
1 1/2" = 1'-0"



3 FAUX PILASTER WEST SIDE
1 1/2" = 1'-0"



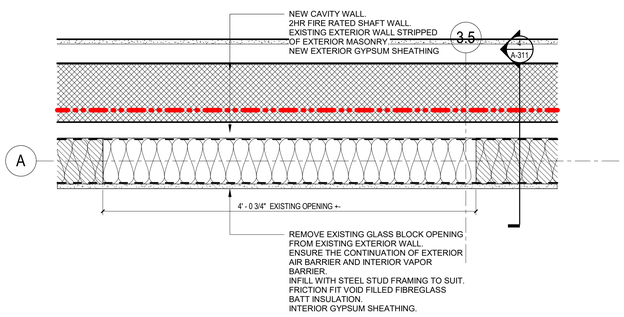
4 FAUX PILASTER EAST SIDE
1 1/2" = 1'-0"

5 PLAN DETAIL @ NORTH ADDITION.
1 1/2" = 1'-0"

7 ENLARGE PLAN DETAIL @ NORTH ADDITION
6" = 1'-0"

6 ENLARGED PLAN DETAIL @ NEW TO EXIST
6" = 1'-0"

8 FIRE WALL AT DOOR JAMB
3" = 1'-0"



9 WINDOW INFILL DETAIL
1 1/2" = 1'-0"

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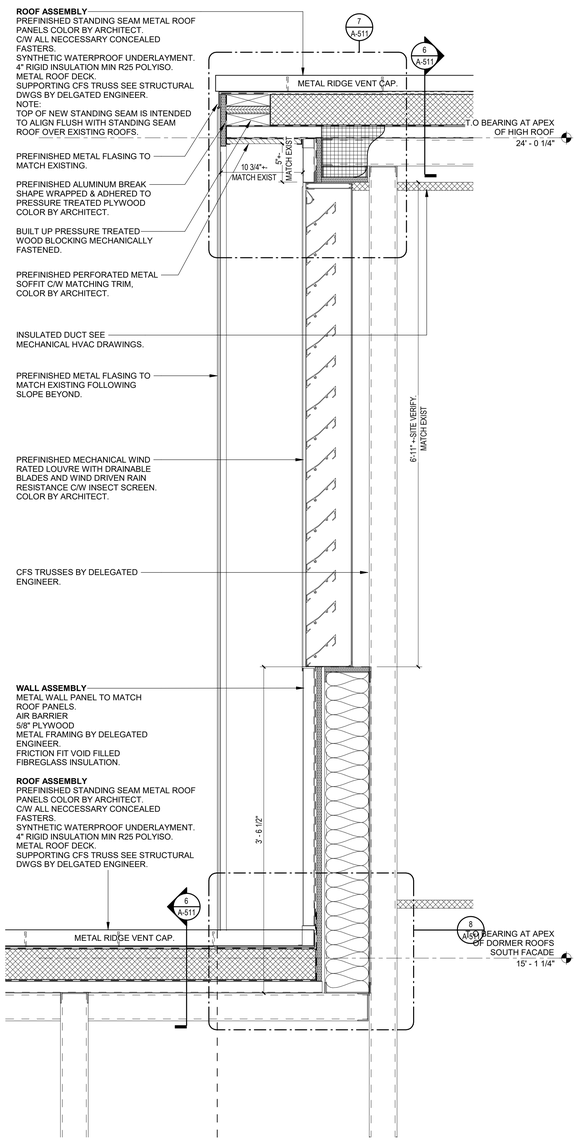
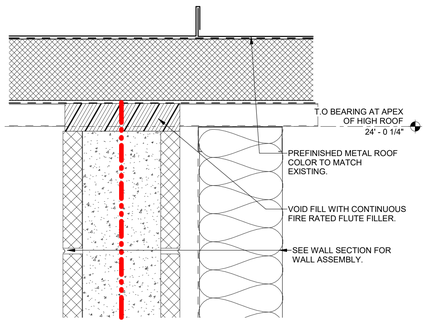
Project Number	**25014**
Dated	09-16-2025

PLAN DETAILS

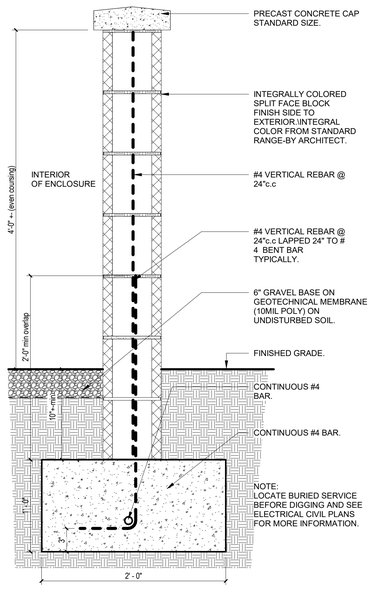
A-501



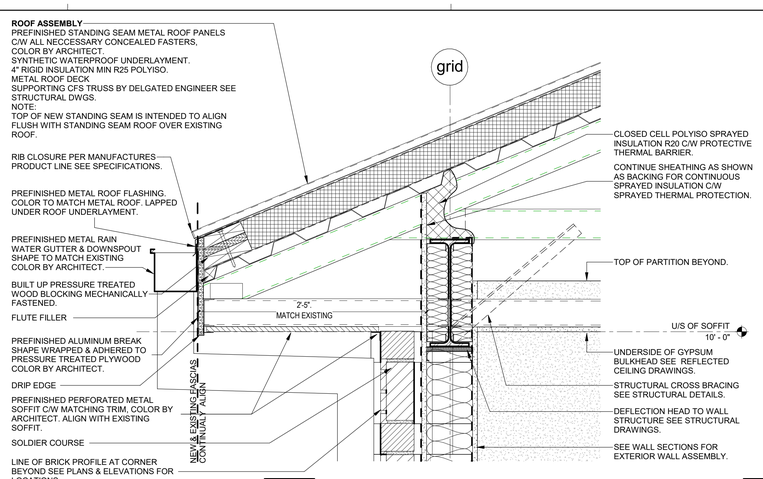
10 SECTION THROUGH LOUVRE
1 1/2" = 1'-0"



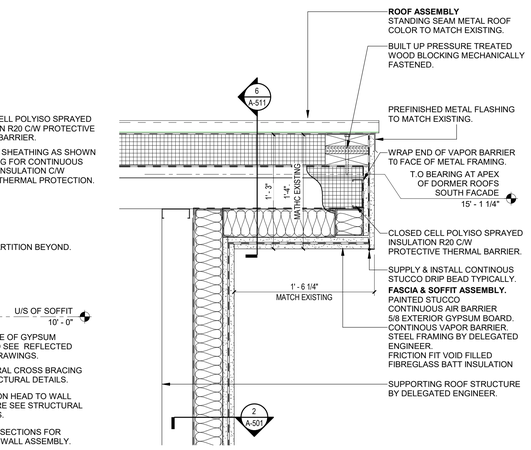
9 TOP OF FIRE RATED PARTITION
3" = 1'-0"



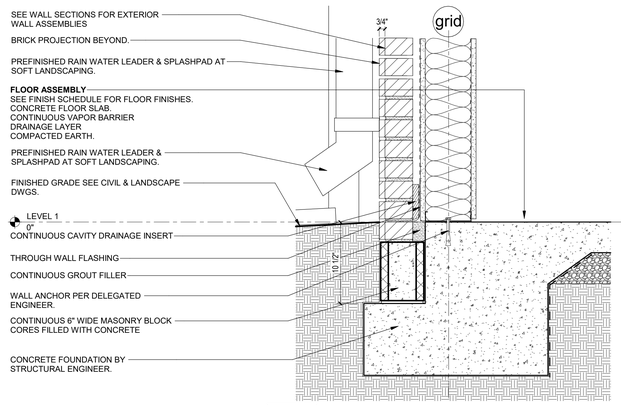
11 ENCLOSURE WALL SECTION
1 1/2" = 1'-0"



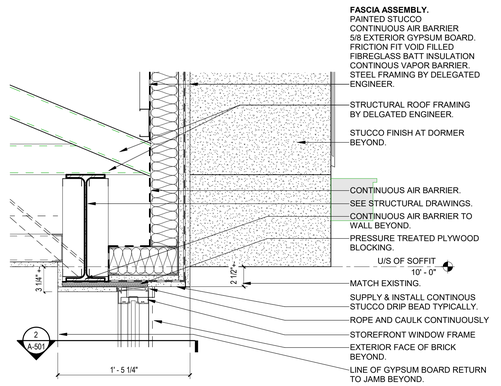
1 TYPICAL FASCIA SECTION DETAIL
1 1/2" = 1'-0"



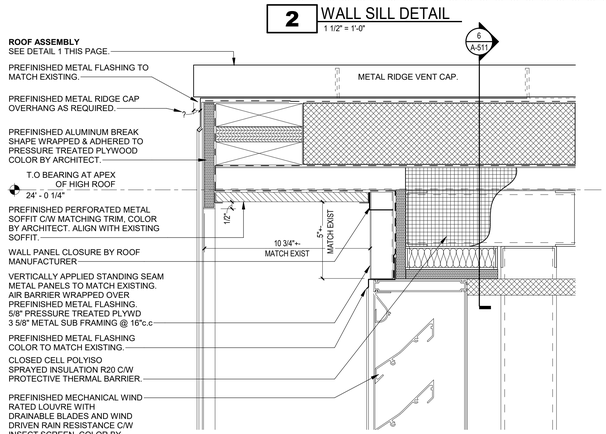
3 ROOF OUTLOOK DETAIL
1 1/2" = 1'-0"



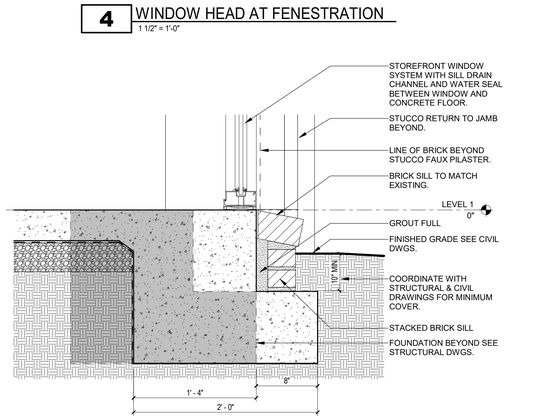
2 WALL SILL DETAIL
1 1/2" = 1'-0"



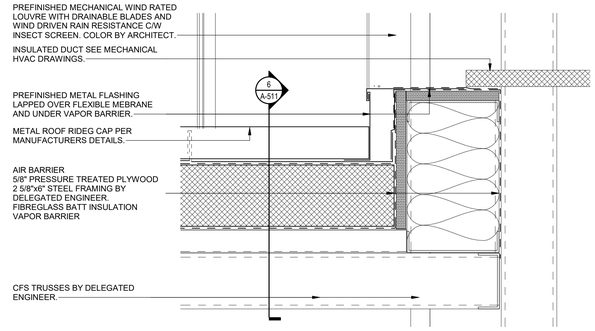
4 WINDOW HEAD AT FENESTRATION
1 1/2" = 1'-0"



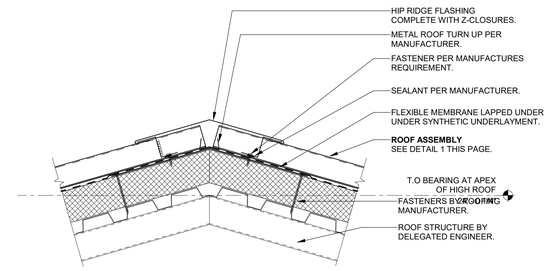
7 LOUVRE HEAD AT GABLE END
3" = 1'-0"



5 FOUNDATION DETAIL @ WINDOW SILL
1 1/2" = 1'-0"



8 LOUVRE SILL DETAIL
3" = 1'-0"



6 STANDARD ROOF RIDGE DETAIL
1 1/2" = 1'-0"

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REVISIONS

NO.	DESCRIPTION	DATE

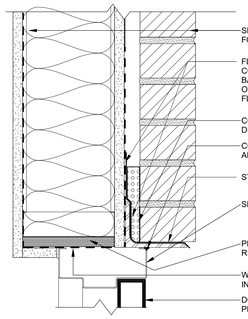
Released for Bid: 10/08/2025

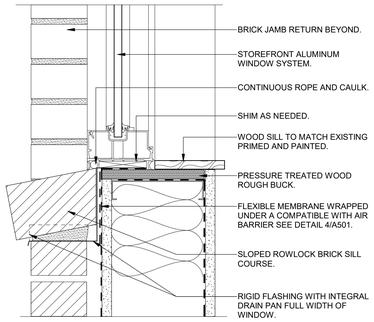
Project Number	25014
Dated	09-16-2025

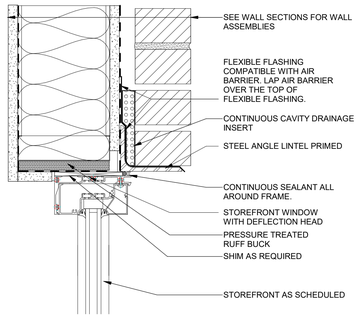
SECTION DETAILS

A-511

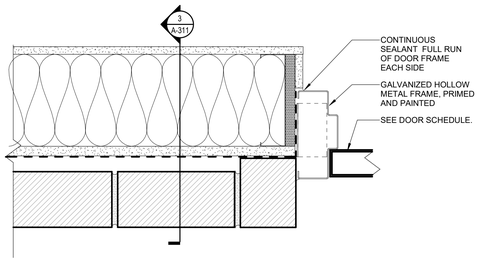
ENLARGED EXTERIOR DOOR AND WINDOW DETAILS





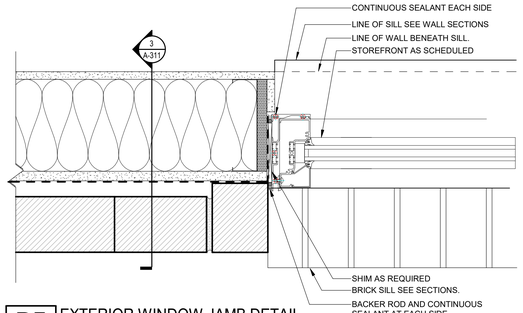


D1 EXTERIOR DOOR HEAD DETAIL
3" = 1'-0"

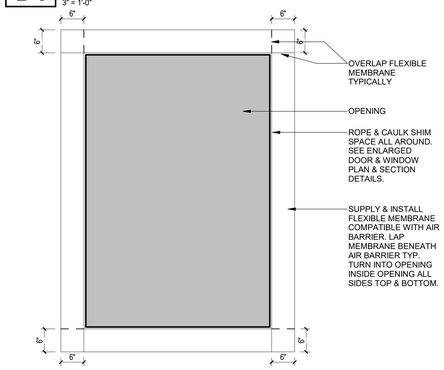


D2 EXTERIOR WINDOW SILL DETAIL
3" = 1'-0"

D3 EXTERIOR WINDOW HEAD DETAIL
3" = 1'-0"

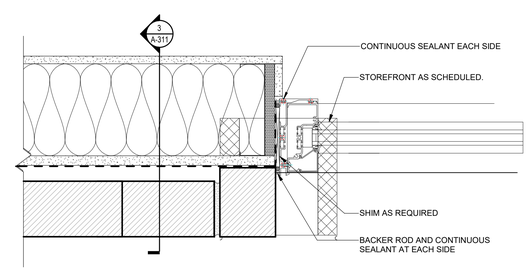


D4 EXTERIOR METAL DOOR JAMB DETAIL
3" = 1'-0"



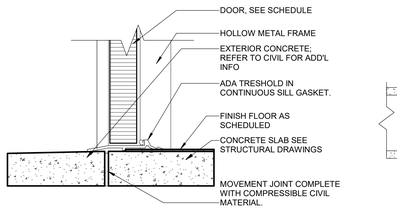
B1 MEBRANE INSTALLATION
3/4" = 1'-0"

D5 EXTERIOR WINDOW JAMB DETAIL
3" = 1'-0"

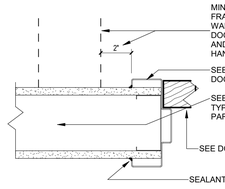


B10 STOREFRONT ENTRANCE JAMB DETAIL
3" = 1'-0"

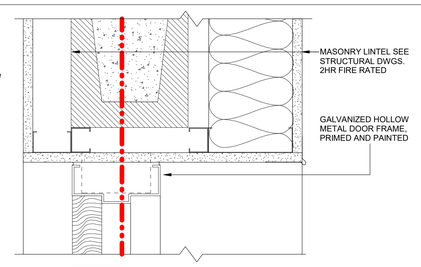
ENLARGED INTERIOR DOOR AND WINDOW DETAILS



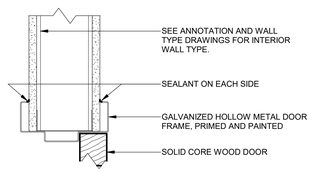
B6 EXTERIOR DOOR THRESHOLD
3" = 1'-0"



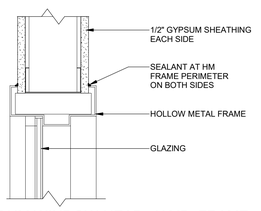
B7 INTERIOR DOOR JAMB DETAIL
3" = 1'-0"



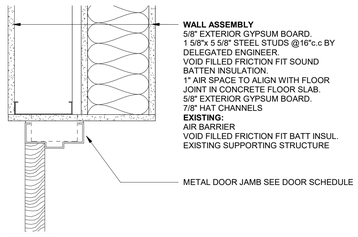
B8 EXPANSION JOINT AT DOOR HEAD
3" = 1'-0"



A9 INTERIOR DOOR HEAD DETAIL
3" = 1'-0"



A10 INT HM WINDOW HEAD, JAMB, FRAME
3" = 1'-0"



A11 INTERIOR DOOR HEAD AND JAMB.
1 : 6

DOOR SCHEDULE

	DOOR						FRAME									
	SIZE				DOOR	DOOR	FRAME	FRAME	DETAILS			IMPACT		STC			
DOOR NO.	LEAFS	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	TYPE	MATERIAL	HEAD	JAMB	SILL	RESISTANT	Fire Rating	RATING	HARDWARE SET	SIGN TYPE	COMMENTS
05C	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B8/A-601	B8/A-601	NA	NO	90 MIN		1		
12	1	3' - 0"	7' - 0"	1 3/4"	NL	WD	HM-1	HM	A9/A-601	B7/A-601	NA	NO			1		
23A	1	3' - 0"	7' - 0"	1 3/4"	N	WD	HM-1	HM	B8/A601	8/A501	NA	NO	90 MIN		3		REQUIRES A MAG LOCK TIED TO THE FIREALARM SYSTEM
23B	1	3' - 0"	7' - 0"	1 3/4"	FP	STL	HM2	HM	D1A-601	D4/A-601	B6/A501	YES		- - -	2		REQUIRES FLOOD WATER PANEL
24	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			1		
25	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			1		
26	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B8/A601	A10/A-601	NA	NO			1		
27	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			1		
28	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			1		
29A	2	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-3	HM	8/A501	B8/A601	NA	NO	90 MIN		2		
29B	1	3' - 0"	7' - 0"	1 3/4"	D2L	AL		AL	8/A501	D5/A601	NA	YES			2		REQUIRES DOOR ALARM
30	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B9/A-601	A10/A-601	NA	NO			4		
31	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			1		
32	1	3' - 0"	7' - 0"	1 3/4"	FP	HM	HM-4	HM	D1/A-601	B4/A-601	B6/A501	YES		- - -	4		REQUIRES FLOOD WATER PANEL
33A	2	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-3	HM	8/A501	B8/A-601	NA	NO	90 MIN		2		
33B	2	3' - 0"	7' - 0"	1 3/4"	D2L	AL	SF-2	AL	D3/A601	D5/A601	B6/A-601	YES			2		AUTO DOOR OPERATOR+FLOOD PANEL
33C	1	3' - 0"	7' - 0"	1 3/4"	FP	STL	HM2	HM	D1/A-601	D4/A-601	B6/A-601	YES		- - -	2		REQUIRES FLOOD WATER PANEL AND DOOR ALARM
34	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B9/A-601	A10/A-601	NA	NO	20MIN		5		
35	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B9/A-601	A10/A-601	NA	NO			7		
36	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	A9/A-601	A10/A-601	NA	NO			7		
38	1	3' - 0"	7' - 0"	1 3/4"	FP	HM	HM-4	HM	D1/A-601	D4/A-601	B6/A-601	YES		- - -	4		REQUIRES FLOOR WATER PANEL
39	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B9/A-601	A10/A-601	NA	NO					
40	1	3' - 0"	7' - 0"	1 3/4"	FP	WD	HM-1	HM	B9/A-601	A10/A-601	NA	NO					

DOOR HARDWARE SCHEDULE

SET # 1
DOOR NUMBERS: 05C,12,24,25,26,27,28,31
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1279 4.5" X 4.5" NRP	US26D HAG
1 EA.	LOCK	L9071R 06A	US26D SCH
2 EA.	CORE	MATCH EXISTING SYSTEM	US26D SCH
1 EA.	WALL STOP	236W	US32D HAG
1 EA.	GASKET	726 HEAD AND JAMBS	CHAR HAG

SET # 2
DOOR NUMBERS:
33B, *(29A,23B,33A 90MIN DOOR)*
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES (EACH DOOR PANEL)	780-224 HD	CLEAR HAG
1 EA.	LOCKSET		
1 EA.	RIM EXIT DEVICE	35A-NL-OP	US32D VD
1 EA.	RIM CYLINDER & CORE	MATCH EXISTING SYSTEM	US26D SCH
1 EA.	OFF-SET PULL	11J	US32D HAG
1 EA.	CLOSER	4111 CUSH	ALUM LCN
1 EA.	DROP PLATE	(AS REQUIRED)	ALUM LCN
1 EA.	BLADE STOP SPACER	(AS REQUIRED)	ALUM LCN
1 EA.	THRESHOLD	412S	MIL HAG
1 EA.	S.S KICK PLATE (29A,33A.)	190S 10" X 2" LDW	US32D HAG

SET # 3
DOOR NUMBERS: 23A *(90MIN DOOR)*
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1191 4.5" X 4.5" NRP	US32D HAG
2 EA.	RIM PANIC DEVICE	CD98L-NL-06	US26D VD
1 EA.	RIM CYLINDER & CORE	MATCH EXISTING SYSTEM (FOR NL)	US26D SCH
2 EA.	MORTISE CYLINDER & CORE	MATCH EXISTING SYSTEM (FOR CD)	US26D SCH
1 EA.	KEYED REM.	MULLION 4900T	USP HAG
1 EA.	RIM CYLINDER & CORE	MATCH EXISTING SYSTEM (FOR KRM)	US26D SCH
2 EA.	CLOSER	4111 CUSH	ALM LCN
1 EA.	THRESHOLD	412S DOOR OPENING WIDTH	MIL HAG
1 EA.	GASKET	726 HEAD AND JAMBS	CHAR HAG
2 EA.	SWEEPS	770S V DOOR WIDTH	MIL HAG
1 SET	ASTRAGAL WEATHER-STRIP	872S 2X DOOR HEIGHT	CLEAR HAG
1 EA.	DRIP CAP	810S DOOR OPENING WIDTH + 4"	MIL HAG
1 EA.	MAGNETIC HOLDERS	380 SERIES WALL MOUNT	ALM HAG

SET # 4
DOOR NUMBERS: 32, 38
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1191 4.5" X 4.5" NRP	US32D HAG
2 EA.	FLUSH BOLT	282D	US26D HAG
1 EA.	STOREROOM LOCK	L9080REU 06A	US32D SCH
1 EA.	CORE	MATCH EXISTING SYSTEM	US26D SCH
2 EA.	CLOSER	4111 HCUSH	ALM LCN
1 EA.	THRESHOLD	412S DOOR OPENING WIDTH	MIL HAG
1 EA.	GASKET	726 HEAD AND JAMBS	CHAR HAG
2 EA.	SWEEPS	770S V DOOR WIDTH	MIL HAG

SET # 5
DOOR NUMBERS: 34
EACH OPENING TO RECEIVE:

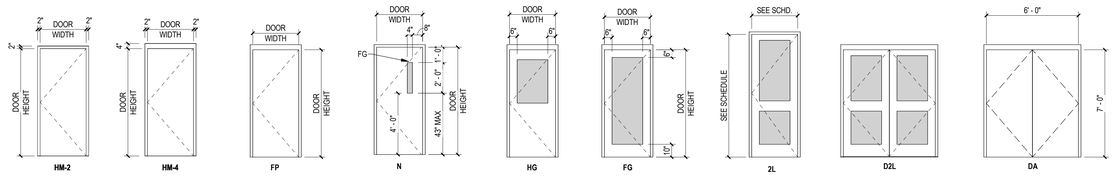
QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1279 4.5" X 4.5"	US26D HAG
1 EA.	PASSAGE LATCH	L9010 06A	US26D SCH
1 EA.	CLOSER	4000	ALM LCN
1 EA.	KICK PLATE	190S 36"H	US32D HAG
1 EA.	WALL STOP	236W US32D	HAG
3 EA.	SILENCERS	307D GRAY	HAG
1 EA.	MAGNETIC HOLDERS	380 SERIES WALL MOUNT	ALM HAG

SET # 6
DOOR NUMBERS: 37.
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1279 4.5" X 4.5"	US26D HAG
1 EA.	MORTISE DEAD-BOLT	L463R	US26D SCH
1 EA.	CORE	MATCH EXISTING SYSTEM	US26D SCH
1 EA.	PUSH PLATE	30S 4" X 16"	US32D HAG
1 EA.	PULL PLATE	30E 4" X 16"	US32D HAG
1 EA.	CLOSER	4000	ALM LCN
1 EA.	KICK PLATE	190S 36"H	US32D HAG
1 EA.	WALL STOP	236W	US32D HAG
3 EA.	SILENCERS	307D	GRAY HAG

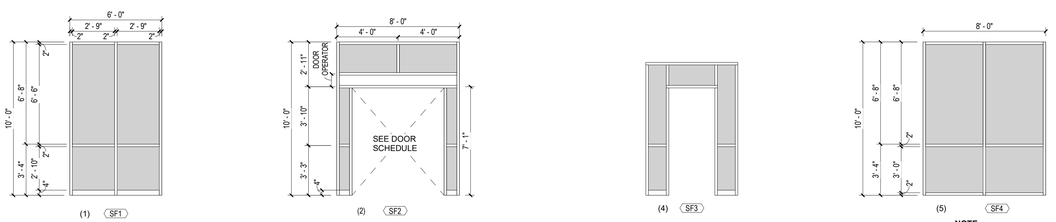
SET #7
DOOR NUMBERS: 30,35,36
EACH OPENING TO RECEIVE:

QTY.	TYPE	DESCRIPTION	FINISH
3 EA.	HINGES	BB1279 4.5" X 4.5" NRP	US26D HAG
1 EA.	STOREROOM LOCK	L9080R 06A	US26D HAG
1 EA.	CORE	MATCH EXISTING SYSTEM	US26D
1 EA.	KICK PLATE	190S 10" X 2" LDW	US32D HAG
1 EA.	WALL STOP	236W	US32D HAG
1 EA.	GASKET	726 HEAD AND JAMBS	CHAR HAG



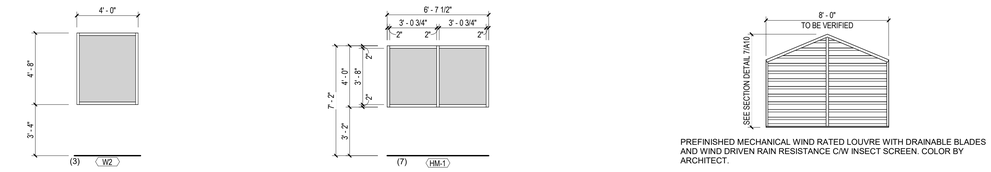
HM FRAME TYPES
1/4" = 1'-0"

DOOR TYPES
1/4" = 1'-0"



EXTERIOR STOREFRONT TYPES
1/4" = 1'-0"

NOTE:
EAST SIDE IS A WINDOW VENEER SEE DETAIL 4/A501 MATCH SITELINE TO STOREFRONT. WEST SIDE IS TYPICAL STORE FRONT.



ALUMINUM WINDOW TYPES
1/4" = 1'-0"

INTERIOR HM WINDOW TYPES
1/4" = 1'-0"

MECHANICAL LOUVER
1/4" = 1'-0"

PREFINISHED MECHANICAL WIND RATED LOUVRE WITH DRAINABLE BLADES AND WIND DRIVEN RAIN RESISTANCE C/W INSECT SCREEN. COLOR BY ARCHITECT.

GENERAL NOTES

DOORS

1. MATERIAL ABBREVIATIONS:
   - A. HM = HOLLOW METAL
   - B. GS = GALVANIZED STEEL
   - C. GHM = GALVANNEALED HOLLOW METAL
   - D. CRS = COLD ROLLED STEEL
   - E. AL = ALUMINUM
   - F. SCWD = SOLID CORE WOOD DOOR
   - G. HCDW = HOLLOW CORE WOOD DOOR
   - H. SCD = SECTIONAL COUNTER DOOR
   - I. SF = STOREFRONT
2. DOOR TYPE ABBREVIATIONS: REFER TO SPECIFICATIONS FOR DEFINITIONS:
   - A. DA = DOUBLE ACTION
   - B. FP = FLUSH PANEL
   - C. VL = VISION LITE
   - D. NL = NARROW LITE
   - E. FG = FULL GLASS
   - F. HG = HALF GLASS
   - G. NL = NARROW VISION LIGHT
   - H. 2P = 2 PANEL
   - I. SL = SLIDING
3. UNLESS NOTED OTHERWISE ALL DOORS ARE 1 3/4" THICK.
4. SEE DOOR HARDWARE SPECIFICATIONS FOR HARDWARE LOCKSET SCHEDULE.
5. EXTERIOR DOORS, FRAMES, SIDELITES,& AND LIGHT KITS SHALL MEET FLORIDA STATE WIND LOAD REQUIREMENTS.
6. ALL HM AND WD FRAMES OCCURRING IN GYP. GOARD PARTITION WALLS ARE TO BE WRAPPED AROUND FRAMES, REGARDLESS OF WALL THICKNESS.
7. EXTERIOR AND WET AREA HOLLOW METAL FRAMES TO BE PAINTED A60 GHM FINISH, 16 GAUGE WELDED FRAMES.
8. EXTERIOR HM DOORS TO BE 16 GAUGE HM.
9. ALL WINDOWS WILL BE ALUMINUM CLAD WOOD. FINISH PER ELEVATIONS.
10. ALL GLASS TO BE INSULATED PANES.
11. COORDINATE ALL LOCATIONS OF WINDOWS ABOVE DOORS PER BUILDING ELEVATIONS.
12. FLOOD WATER PANELS SHALL MATCH THE EXISITNG PANELS-CLARIFY WITH OWNER.

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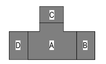

REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

DOOR & WINDOW SCHEDULE

A-601

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DESIGN CRITERIA

1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS:

GENERAL	2023 FLORIDA BUILDING CODE, BUILDING (FBC-B) 8th EDITION
EXISTING BUILDING	2023 FLORIDA EXISTING BUILDING CODE, BUILDING (FBC-EB) 8th EDITION
CONCRETE	ACI 318-19 (LRFD) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
STRUCTURAL STEEL	AISC 360-16 (ASD) SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
COLD-FORMED STEEL	2012 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

2. DESIGN SUPERIMPOSED GRAVITY DEAD LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

ROOF	20 PSF
ALL OTHERS	ACTUAL SELF-WEIGHT

3. DESIGN SUPERIMPOSED GRAVITY LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

OCCUPANCY	UNIFORM	CONCENTRATED
ROOF	20 PSF (REDUCIBLE)	300 LB

4. DESIGN LATERAL LIVE LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:

WIND LOADS PER ASCE 7-22 (3-SEC GUST)
ULTIMATE WIND SPEED = 140 MPH
RISK CATEGORY III
EXPOSURE 0
INTERNAL PRESSURE COEFFICIENT, GCpi=+/-0.18 (ENCLOSED)

5. THIS STRUCTURE HAS BEEN DESIGNED WITH "SAFETY FACTORS" IN ACCORDANCE WITH GENERALLY ACCEPTED PRINCIPLES OF STRUCTURAL ENGINEERING. THE FUNDAMENTAL NATURE OF THE "SAFETY FACTOR" IS TO COMPENSATE FOR UNCERTAINTIES IN THE INTENDED DESIGN, FABRICATION AND ERECTION OF STRUCTURAL BUILDING COMPONENTS. IT IS INTENDED THAT "SAFETY FACTORS" BE USED SO THAT THE LOAD CARRYING CAPACITY OF THE STRUCTURE DOES NOT FALL BELOW THE DESIGN LOAD AND THAT THE BUILDING WILL PERFORM UNDER DESIGN LOAD WITHOUT DISTRESS. WHILE THE USE OF "SAFETY FACTORS" IMPLIES SOME EXCESS CAPACITY BEYOND DESIGN LOAD, SUCH EXCESS CAPACITY CANNOT BE ADEQUATELY PREDICTED AND SHALL NOT BE RELIED UPON.

GENERAL NOTES

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON OR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.

6. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.

7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADING USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.

8. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

9. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK, AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.

10. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:

A. STEEL REINFORCING SHOP DRAWINGS
B. CAST-IN-PLACE CONCRETE MIX DESIGNS

OTHER SUBMITTALS ARE REQUIRED PER THE NOTES CONTAINED HEREIN AND THE PROJECT SPECIFICATIONS.

11. ALL "STRUCTURAL SUBMITTALS" SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. DRAWINGS PREPARED SOLELY AS A GUIDE FOR ERECTION, INSTALLATION, AND CATALOG INFORMATION WILL NOT REQUIRE AN ENGINEER'S SEAL; HOWEVER, THEY SHALL BEAR THE ENGINEER'S SIGNATURE AND AN INDICATION THAT HE OR SHE CHECKED THE WORK.

12. DRAWINGS INTRODUCING ENGINEERING INPUT AND CALCULATIONS SHALL BE SIGNED, SEALED, AND DATED BY THE ENGINEER PREPARING SUCH WORK.

FOUNDATION NOTES

1. ALL CONSOLIDATION OF SUBSOIL SHALL CLOSELY FOLLOW THE GEOTECHNICAL REPORT PREPARED BY SOUTHERN EARH SCIENCES., FILE NO. P25-018 DATED MAY 2, 2015. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO PLACING FOUNDATION CONCRETE.

2. ALL FOUNDATION CONCRETE SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. ALL PEDESTAL, PILE CAP AND MAT FOUNDATION CONCRETE SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.

3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.

5. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"

B) CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS - 2"
#5 BAR, W31 OR D31 WIRE & SMALLER- 1 1/2"

SLAB ON GRADE NOTES

1. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION MORE THAN 12" BELOW BOTTOM OF SLAB.

2. ABOVE SUBGRADE, USE TERMITE TREATED FILL CONTAINING NOT MORE THAN 12% PASSING, BY DRY WEIGHT, THE U.S. NO. 200 MESH SIEVE AND MAXIMUM 1" DIAMETER AGGREGATE. COMPACT TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. EACH LAYER OF FILL SHALL NOT EXCEED 12" INCHES LOOSE THICKNESS. COMPACT PRIOR TO PLACEMENT OF NEXT LIFT.

3. FILL PLACEMENT AND COMPACTION SHALL BE MONITORED AND ACCEPTED BY THE TESTING AGENCY. TAKE A MINIMUM OF ONE FIELD DENSITY TEST (ASTM D-1556-OR D-2922) FOR EACH 2,000 SQUARE FEET OF EACH LIFT OF FILL PLACED.

4. ALL CONCRETE FOR SLAB-ON-GRADE SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. PLACE CONCRETE WITH A MAXIMUM 4" SLUMP +/- 1 INCH AS MEASURED AT POINT OF DISCHARGE. REINFORCE WITH 6X6-W1.4xW1.4 WELDED WIRE REINFORCING UNLESS NOTED OTHERWISE.

5. FOR INTERIOR AND EXTERIOR SLABS PLACE VAPOR BARRIER BETWEEN SOIL AND BOTTOM OF SLAB. SEE SPECIFICATIONS FOR REQUIREMENTS.

6. ALL WELDED WIRE REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH LENGTH.

7. SLAB JOINTS SHALL BE FILLED WITH APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINT, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS FOLLOWS:

4" SLAB - FILL WITH FIELD MOLDED OR ELASTOMERIC SEALANT
6" SLAB - FILL WITH EPOXY RESIN

8. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR WALKWAYS AND OTHER EXTERIOR SLABS NOT INDICATED ON THE STRUCTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" THICK WALKS REINFORCED WITH 6X6-W1.4/W1.4 WELDED WIRE REINFORCING UNLESS NOTED OTHERWISE.

9. SLABS TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/-1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260. DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3%.

10. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

11. IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, LIMIT THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR TO 100 FEET OR LESS. THE MAXIMUM SPACING OF CONTRACTION JOINTS SHALL BE 12-FEET FOR 4" THICK SLABS.

12. THE ALTERNATE WIRES OF THE WELD WIRE REINFORCING MUST BE PRECUT AT THE SLAB CONTRACTION JOINT LOCATIONS TO CREATE A "WEAKENED PLANE". WITHOUT CUTTING THE ALTERNATE WIRES, THE STRENGTH OF THE WIRE WILL PREVENT THE SLAB FROM CRACKING (SEPARATING) AT THE JOINT AND THE SLAB MAY BEGIN TO CRACK ELSEWHERE.

13. THE USE OF POLYPROPYLENE FIBERS (IN LIEU OF WIRE REINFORCING) IS PROHIBITED WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.

14. IN SIDEWALKS AND WALKWAYS, LOCATE ISOLATION JOINTS AT 20 FT. O.C. MAXIMUM, SCORE AND TOOL BETWEEN ISOLATION JOINTS IN EQUAL BAYS NOT GREATER THAN THE SIDEWALK WIDTH UNLESS DETAILED ELSEWHERE.

15. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.

EXTERIOR COLD-FORMED METAL FRAMING

1. DESIGN, DETAIL AND ERECT EXTERIOR COLD-FORMED METAL FRAMING IN ACCORDANCE WITH THE GENERAL NOTES AND SPECIFICATIONS.

2. COLD-FORMED STEEL FRAMING DETAILS SHOWN ON CONTRACT DOCUMENTS REPRESENT THE MINIMUM DESIGN INTENT TO BE FOLLOWED. CONNECTIONS NOT DETAILED IN CONTRACT DOCUMENTS SHALL BE DESIGNED AND DETAILED BY THE DELEGATED ENGINEER ACCORDING TO SPECIFICATIONS AND REQUIREMENTS HEREIN. THE MINIMUM DESIGN THICKNESS OF EXTERIOR COLD-FORMED METAL FRAMING SHALL BE 43 MILS. NO EXCEPTIONS WILL BE ACCEPTED.

3. SUBMIT COMPLETE SHOP DRAWINGS AND CALCULATIONS SHOWING METHOD OF FABRICATION, ERECTION PROCEDURES, ATTACHMENT OF THE SYSTEM TO THE BUILDING, JOINTS, CONNECTIONS AND FRAMING. CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED, SIGNED AND SEALED BY THE DELEGATED ENGINEER LICENSED IN THE STATE OF FLORIDA.

4. USE GALVANIZED STEEL "C" STUDS, TRACKS, ANGLES AND STRAPS AS SHOWN ON DRAWINGS AND DETAILS HAVING A MINIMUM YIELD STRENGTH AS FOLLOWS:

54 MIL THICKNESS AND GREATER:	Fy= 50 KSI MIN.
43 MIL THICKNESS:	Fy= 33 KSI MIN.

ALL TRACKS TO HAVE SAME DESIGN THICKNESS AS STUDS WITH MINIMUM 1 1/4 " LEGS.

5. DOOR AND WINDOW SILLS, HEADERS, AND JAMBS SHALL BE DESIGNED TO RESIST WIND FORCES ON THE TRIBUTARY AREA OF WINDOWS AND DOORS AND TO TRANSMIT THE FORCES TO THE PRIMARY STRUCTURAL FRAME.

6. ALL FRAMING SHALL BE 18 GAGE MINIMUM.

7. ALL JAMBS, HEADERS, SILLS AND OTHER BUILT-UP MEMBERS SHALL BE CONSTRUCTED OF UNPUNCHED MATERIAL.

8. ALL JAMB STUDS SHALL BE FASTENED TOGETHER TO FORM A CONTINUOUS BUILT-UP SECTION.

9. SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J429 GRADE 5; AND IFI-105. SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.

10. FIELD CUTTING OF COLD-FORM METAL FRAMING SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.

11. LIMIT DEFLECTIONS OF STUDS BETWEEN SUPPORTS TO L/600 WHEN SUPPORTING MASONRY, L/360 WHEN SUPPORTING GYPSUM WALL BOARD OR PORTLAND CEMENT STUCCO AND L/240 FOR OTHER CONDITIONS.

12. ADD WEB STIFFENERS AT CONCENTRATED LOADS AS REQUIRED BY DESIGN.

13. ALL WELDERS SHALL BE CERTIFIED BY AWS FOR THIN METAL SECTIONS.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ANSI/AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.

2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:

MEMBER	ASTM	MIN. STRENGTH
STRUCTURAL TUBING	A500 (GRADE B)	46 KSI
WIDE FLANGE SHAPES	A992	50 KSI
OTHER ROLLED PLATES/SHAPES	A36	36 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR RODS	F1554	36 KSI
THREADED RODS	A36	36 KSI
NONSHRINK GROUT	C1107	8000 PSI

3. TRUSS JOINTS, HANGERS, AND DIAGONAL BRACING (AS OCCURS) SHALL HAVE SLIP-CRITICAL CONNECTIONS, ALL OTHER CONNECTIONS SHALL HAVE NON-SLIP CRITICAL BEARING-TYPE CONNECTIONS.

4. CONNECTIONS ARE TO BE DESIGNED BY THE FABRICATOR FOR THE UNFACTORED SHEAR FORCES INDICATED ON PLAN IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR ALLOWABLE STRESS DESIGN, 13TH EDITION. CONNECTIONS SHALL UTILIZE MINIMUM 3/4" DIAMETER A325-N BOLTS. SLOTTED HOLES ARE PERMITTED ONLY WHERE THE DIRECTION OF THE LOAD IS NORMAL TO THE AXIS OF THE SLOT. BOLTS USED IN SHEAR/BEARING TYPE CONNECTIONS SHALL BE "SNUG-TIGHT". BOLTS USED IN SLIP-CRITICAL CONNECTIONS SHALL BE TIGHTENED USING THE TURN-OF-THE NUT METHOD, CALIBRATED WRENCH METHOD, OR BY DIRECT TENSION INDICATOR BOLTS.

5. UNLESS OTHERWISE NOTES OR IF UNFACTORED SHEAR FORCES ARE NOT SHOWN ON THE PLANS, PROVIDE SIMPLE SHEAR TYPE CONNECTIONS THAT UTILIZE THE MAXIMUM NUMBER OF ROWS AT 3 INCH STANDARD BOLT SPACING USING MINIMUM 3/4" DIAMETER A325-N BOLTS. ALL BOLTS SHALL BE SHEAR/BEARING TYPE BOLTS AND BE "SNUG-TIGHT".

6. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONT. MIN. SIZED FILLET WELDS PER AISC REQUIREMENTS. ALL FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI.

7. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.

8. UNLESS OTHERWISE NOTED, SHOP PAINT FOR STRUCTURAL STEEL SHALL BE TNEMEC 10-1009G. APPLY TO A MINIMUM DRY FILM THICKNESS OF 2.5 MILS. DO NOT PAINT STEEL SURFACES TO BE EMBEDDED IN CONCRETE. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2.5 INCHES. DO NOT PAINT SURFACES TO BE FIELD WELDED, SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS, SURFACES TO RECEIVE SPRAYED FIRE RESISTIVE MATERIALS (APPLIED FIREPROOFING), OR GALVANIZED SURFACES.

9. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A159. ALL STRUCTURAL TUBE, PIPE SHAPES, AND STRUCTURAL ASSEMBLIES SHALL HAVE ADEQUATE DRAIN HOLES AND SEAL WELDS.

10. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING (SEE "GENERAL STRUCTURAL NOTES".

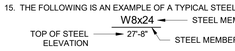
11. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

12. STEEL FABRICATOR SHALL BE THOSE QUALIFIED FABRICATORS THAT PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM AND ARE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.

13. PROTECTIVE COATINGS DAMAGED DURING THE TRANSPORTING, ERECTING, AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.

14. ALL COLUMNS ERECTED IN THE FIELD SHALL BE PLUMBED IN ACCORDANCE TO AISC TOLERANCES USING LASER OR OTHER SIMILAR EQUIPMENT.

15. THE FOLLOWING IS AN EXAMPLE OF A TYPICAL STEEL BEAM CALLOUT:



NON-COMPOSITE METAL ROOF DECK

1. ALL METAL ROOF DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS BY THE STEEL DECK INSTITUTE (SDI).

2. ALL METAL ROOF DECK SHALL BE 1 1/2" DEEP x 22 GAGE GALVANIZED TYPE B (WIDE RIB) DECK (MIN. Ip = 0.155 IN^4/FT AND Sp = 0.186 IN^3/FT) AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL.

3. ALL METAL ROOF DECK SHALL SPAN PERPENDICULAR TO SUPPORTS. WELD TO JOISTS AND STRUCTURAL STEEL PER 2/S-6.0. MECHANICALLY FASTEN TO COLD-FORMED STEEL TRUSSES PER 1/S-6.0.

4. SUSPENDED CEILINGS, LIGHT FIXURES, DUCTS, AND OTHER PERMANENT SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE METAL DECK.

5. ALL ROOF DECKING SHALL BE GALVANIZED BY THE HOT-DIP PROCESS CONFORMING TO ASTM A924 CLASS G90. ALL DECK WELDS SHALL BE TOUCHED UP WITH GALVANIZING REPAIR PAINT FOR GALVANIZED DECKS.

6. SUBMIT DETAILED SHOP DRAWINGS PRIOR TO FABRICATION SHOWING LAYOUT, TYPES OF METAL DECK UNITS, CONNECTION DETAILS, ACCESSORIES AND OTHER RELATED ITEMS.

7. ALL STEEL DECK SHALL BE CAPABLE OF SUPPORTING THE DESIGN LOADS PROVIDED IN THE CONTRACT DOCUMENTS. THE DECK SUPPLIER SHALL SUBMIT CALCULATIONS AND/OR LOAD TABLES WITH THE SHOP DRAWINGS. THESE CALCULATIONS AND/OR LOAD TABLES SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. THE STRUCTURAL ENGINEEER OF RECORD'S REVIEW OF SUCH MATERIALS SHALL NOT RELIEVE THE DECK SUPPLIER AND ITS LICENSED ENGINEER OF THE SOLE RESPONSIBILITY FOR THE ACCURACY OF LOAD TABLES AND/OR CALCULATIONS SUBMITTED FOR REVIEW WITH THE SHOP DRAWINGS.

CAST-IN-PLACE CONCRETE NOTES

1. CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C-618, C-989 AND C-260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH C-94.

2. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH, SLUMP AND WATER/CEMENT RATIO REQUIREMENTS:

CONCRETE	(28 DAY STRENGTH)	SLUMP*	W/C RATIO
BEAMS AND COLUMNS	4,000 PSI	4" ± 1"	0.46
STAIRS	4,000 PSI	4" ± 1"	0.46
CONCRETE NOT NOTED	3,000 PSI	4" ± 1"	0.50
FOUNDATIONS	"SEE FDN NOTES"	4" ± 1"	0.50
SLABS	"SEE SLAB ON GRADE NOTES"		
ELEVATED SLABS	4,000 PSI	4" ± 1"	0.46

* AT CONTRACTOR'S OPTION, AN APPROVED ADMIXTURE MAY BE USED TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP SHALL NOT EXCEED 10 INCHES. THE CONTRACTOR SHALL SUBMIT TEST RESULTS OF THE PROPOSED CONCRETE MIXES ALONG WITH THE MANUFACTURER'S TECHNICAL DATA FOR APPROVAL PRIOR TO PLACING THE CONCRETE.

3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.

5. ALL WELDED WIRE REINFORCING (WWR) SHALL CONFORM TO A-185.

6. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR APPROVED BY THE ENGINEER.

7. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CONT.) SHALL BE LAPPED WITH A CLASS B TENSION LAP SPLICE UNLESS OTHERWISE NOTED.

8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

A) CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS 2"
#5 BAR, W31 OR D31 WIRE & SMALLER 1 1/2"

B) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:

SLABS, WALLS, JOISTS:
#14 AND #18 BARS 1 1/2"
#11 BAR AND SMALLER 3/4"

BEAMS AND COLUMNS:
PRIMARY REINFORCEMENT, TIES, 1 1/2"
STIRRUPS, SPIRALS

C) FOUNDATION CONCRETE (SEE "FOUNDATION NOTES")

9. BAR SUPPORTS AND HOLDING BARS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO INSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

10. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

PRE-ENGINEERED COLD-FORMED METAL TRUSSES

1. COLD-FORMED METAL TRUSSES SHALL BE DESIGNED BY TRUSS SUPPLIER USING COLD-FORMED STEEL SYMMETRICAL SHAPES WITH A MIN. YIELD STRENGTH OF 33 KSI MEETING THE REQUIREMENTS OF ASTM A-653. ALL LIGHT GAUGE COLD-FORMED METAL SECTIONS, STUDS, JOISTS AND ACCESSORIES SHALL HAVE HOT DIPPED GALVANIZED STEEL COATING MEETING THE REQUIREMENTS OF ASTM A525 AND C955 WITH G-60 CLASS COATING. TRUSS TOP AND BOTTOM CHORDS SHALL BE MIN. 18 GAUGE AND ALL OTHER TRUSS MEMBERS SHALL BE MIN. 20 GAUGE. NO EXCEPTIONS WILL BE ACCEPTED.

2. ALL COLD-FORMED METAL TRUSS ELEMENTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL MEMBERS" AND OTHER APPLICABLE CODES AND SPECIFICATIONS. TRUSSES SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS LISTED IN THE STRUCTURAL DESIGN CRITERIA AS WELL AS LOADS LISTED ELSEWHERE ON THE DRAWINGS.

3. THE COLD-FORMED METAL TRUSS SUPPLIER SHALL SUBMIT TO THE ARCHITECT FOR REVIEW AND APPROVAL, DETAILED SHOP DRAWINGS AND DESIGN CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF FLORIDA. FABRICATION OF TRUSSES SHALL NOT BEGIN UNTIL THE SHOP DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED AND RETURNED APPROVED. REFER TO CONTRACT SPECIFICATIONS FOR APPROVED SUPPLIERS. SUPPLIER/ERECTOR NOT PRE-APPROVED, MUST HAVE QUALIFICATIONS MEETING CONTRACT SPECIFICATIONS APPROVED PRIOR TO BIDDING.

4. CALCULATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

A. ENGINEERING ANALYSIS SHOWING LOADING, MEMBER STRESSES AND DEFLECTIONS FOR EACH DIFFERENT TRUSS DESIGN BASED ON DESIGN LOADS LISTED ON THE DRAWINGS.

B. ALL TRUSS MEMBERS, PITCH, SPAN, CAMBER, BEARING, CONFIGURATION, TYPE, LOCATION, SPACING AND LAYOUT OF TRUSSES.

C. ALL BRIDGING AND BRACING FOR DIAPHRAGM ACTION, CONSTRUCTION LOADS, AND ALL OTHER TEMPORARY AND PERMANENT LOADS.

D. ALL TRUSS TO TRUSS CONNECTIONS, TRUSS TO STEEL BEAM OR BEARING PLATE, TRUSS TO CONCRETE BEAM, JOISTS, TRACK, GUSSET PLATES, FASTENERS, BRIDGING AND RELATED ACCESSORIES TO BE DESIGNED AND DETAILED FOR ALL LOADING CONDITIONS INCLUDING NET WIND UPLIFT AND REACTIONS FROM HORIZONTAL WIND DIAPHRAGM ACTION.

E. ALL TRUSS MEMBER SIZES, PROPERTIES, ANY YIELD STRENGTH.

F. SPACING AND LAYOUT OF TRUSSES MEETING REQUIREMENTS INDICATED ON THE DRAWINGS.

G. NOTE ANY PROPOSED TRUSS LAYOUT CHANGES THAT WOULD EFFECT THE LOCATION OF BEARING WALLS OR FOUNDATION DESIGN OR CONSTRUCTION.

5. GENERAL CONTRACTOR SHALL COORDINATE TRUSS REQUIREMENTS WITH MEP, HVAC, AND DUCT WORK REQUIREMENTS.

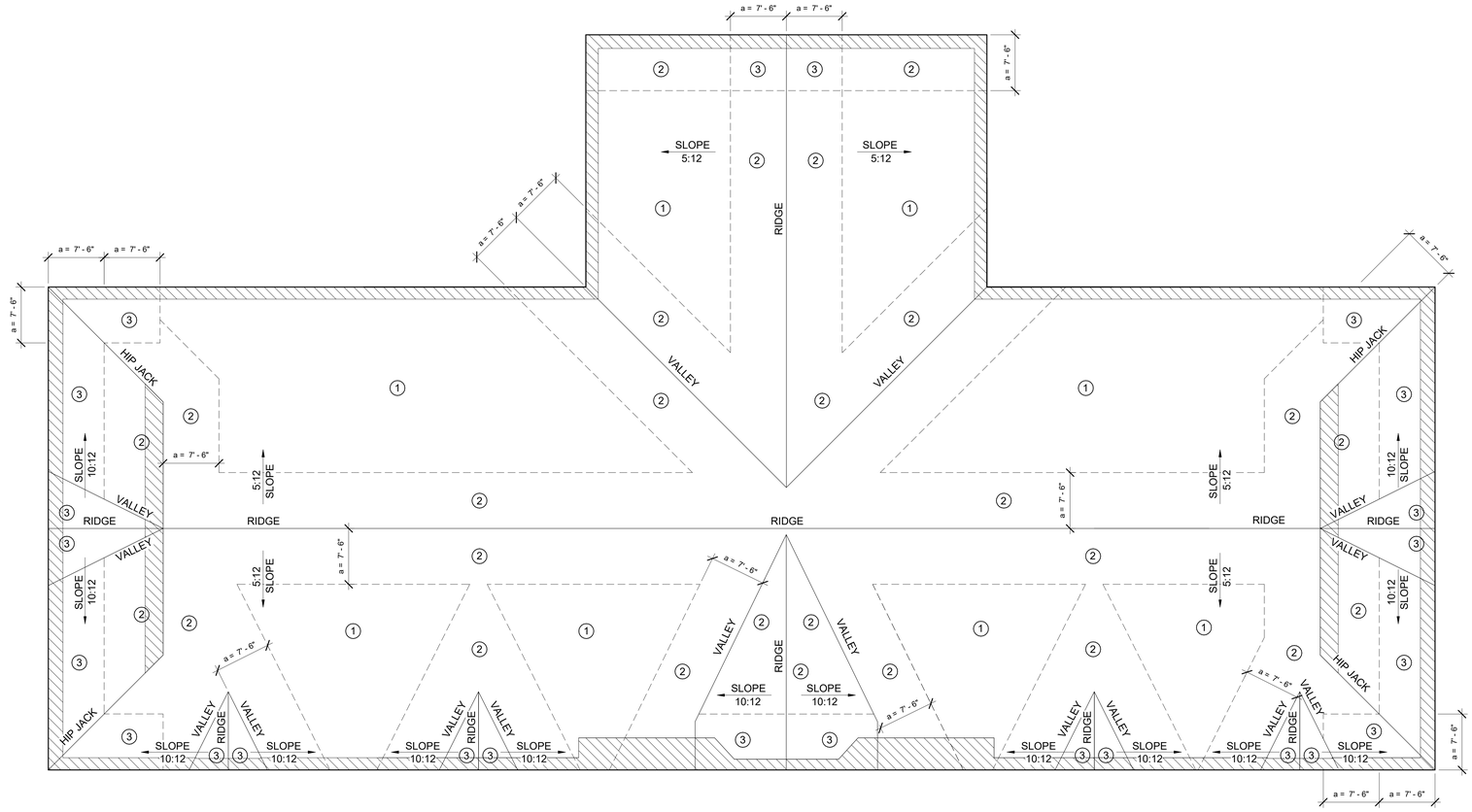
6. SUBMIT ERECTION DRAWINGS PREPARED BY FABRICATOR FOR APPROVAL BY ARCHITECT, THESE DRAWINGS SHALL INCLUDE:

A. PLACING DRAWINGS FOR STEEL AND TRUSS SYSTEM SHOWING MEMBERS, PITCH, SPAN, CAMBER, CONFIGURATION, TYPE, LOCATIONS, AND SPACING OF ALL MEMBERS. ALL ATTACHMENTS, BEARINGS, AND ANCHORAGE SHALL BE CLEARLY DETAILED ON DWGS. INDICATE SUPPLEMENTAL STRAPPINGS, BRACINGS, CLIPS AND OTHER ACCESSORIES REQUIRED FOR PROPER INSTALLATION, MEETING DESIGN CRITERIA OUTLINED.

B. CROSS SECTIONS, PLANS, AND ELEVATIONS DEPICTING COMPONENT LOCATIONS.

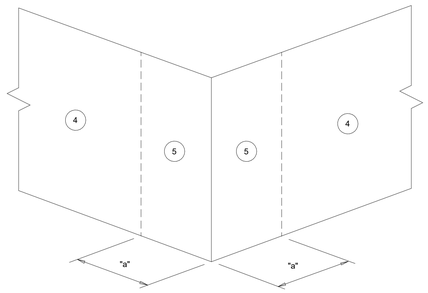
C. CONNECTION DETAILS SHOWING SCREW TYPES, NUMBER AND LOCATIONS, WELD LENGTHS AND LOCATIONS OR OTHER RELATED FASTENER REQUIREMENTS. ALL CONNECTIONS SHALL MEET OUTLINED DESIGN CRITERIA.

7. THE COLD-FORMED METAL TRUSSES SHALL BE SHOP FABRICATED BY THE TRUSS SUPPLIER. THE SPECIALTY ENGINEER FOR THE STEEL TRUSSES SHALL INSPECT ALL FABRICATED TRUSSES AND SHALL PROVIDE A LETTER CERTIFYING THAT THE TRUSS



C&C ROOF DIAGRAM

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



C&C WALL DIAGRAM

C&C LEGEND:

WIND LOAD SEPARATION

OVERHANG

ROOF ULTIMATE WIND PRESSURES - BUILDING

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+40.9	-75.0
	20	+37.4	-63.6
	50	+32.8	-49.4
	100	+29.3	-43.3
2	10	+40.9	-101.5
	20	+37.4	-86.7
	50	+32.8	-67.1
	100	+29.3	-53.5
3	10	+40.9	-120.5
	20	+37.4	-102.2
	50	+32.8	-78.1
	100	+29.3	-59.9

"a" = 7' - 6"

ROOF ULTIMATE WIND PRESSURES - BUILDING OVERHANG

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 O.H.	10	+40.9	-98.5
	20	+37.4	-96.5
	50	+32.8	-79.6
	100	+29.3	-71.4
2 O.H. @ ZONE 4	10	+40.9	-136.4
	20	+37.4	-119.6
	50	+32.8	-97.3
	100	+29.3	-81.6
2 O.H. @ ZONE 5	10	+40.9	-147.8
	20	+37.4	-128.9
	50	+32.8	-104.0
	100	+29.3	-85.1
3 O.H.	10	+40.9	-155.3
	20	+37.4	-135.1
	50	+32.8	-108.3
	100	+29.3	-90.7

"a" = 7' - 6"

OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCPI) OF 0.0
OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 6.8 PSF)

WALL ULTIMATE WIND PRESSURES @ BUILDING

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+44.7	-48.5
	20	+42.7	-46.5
	50	+40.0	-43.8
	100	+38.0	-41.8
	500	+33.3	-37.1
5	10	+44.7	-59.9
	20	+42.7	-55.8
	50	+40.0	-50.5
	100	+38.0	-46.5
	500	+33.3	-37.1

"a" = 7' - 6"

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WINDLOAD DIAGRAM

S002

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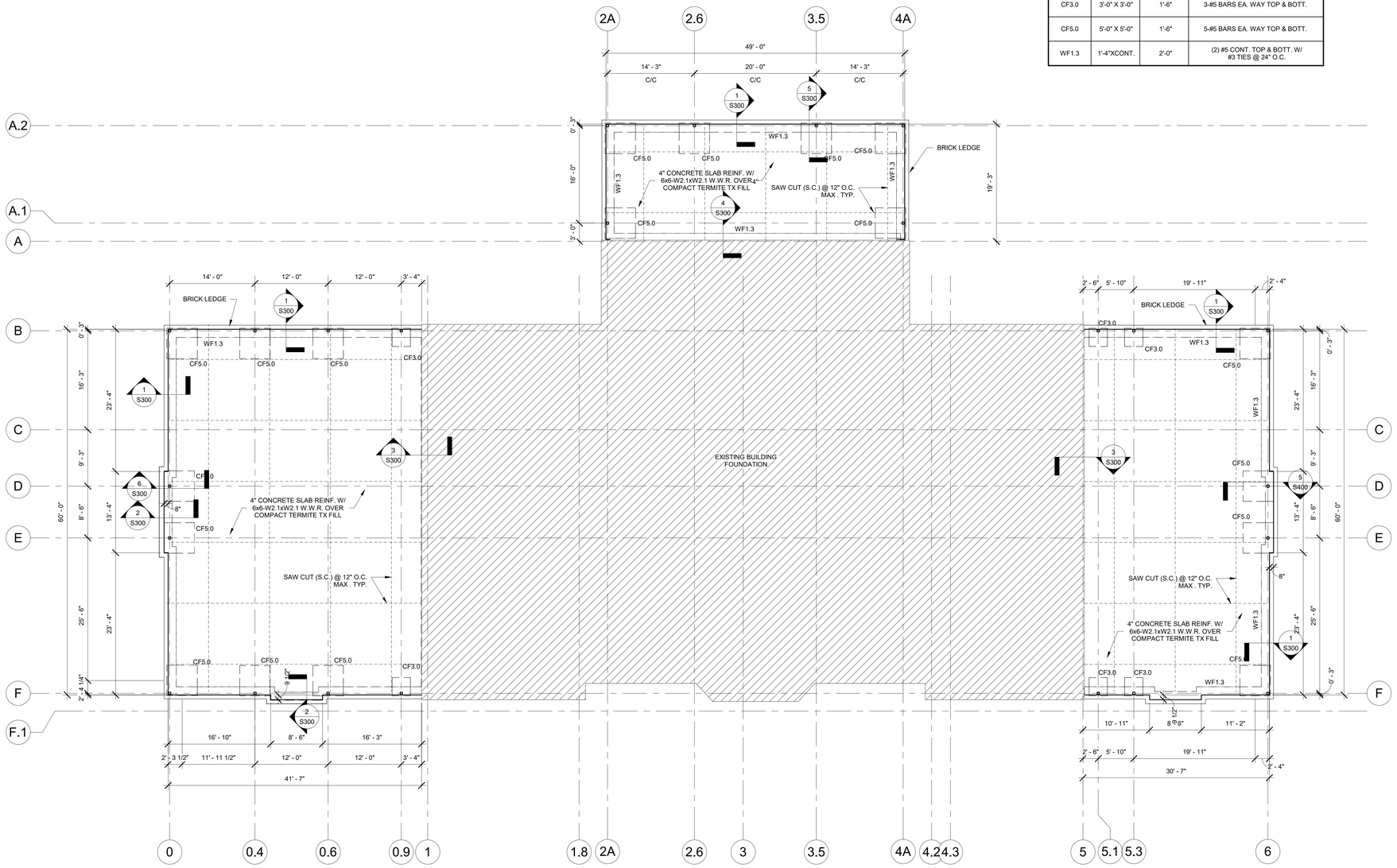
FOOTING SCHEDULE			
LABEL	SIZE	DEPTH "d"	REINFORCING
CF3.0	3'-0" X 3'-0"	1'-6"	3-#5 BARS EA. WAY TOP & BOTT.
CF5.0	5'-0" X 5'-0"	1'-6"	5-#5 BARS EA. WAY TOP & BOTT.
WF1.3	1'-4"XCONT.	2'-0"	(2) #5 CONT. TOP & BOTT. W/ #3 TIES @ 24" O.C.



FOUNDATION PLAN

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

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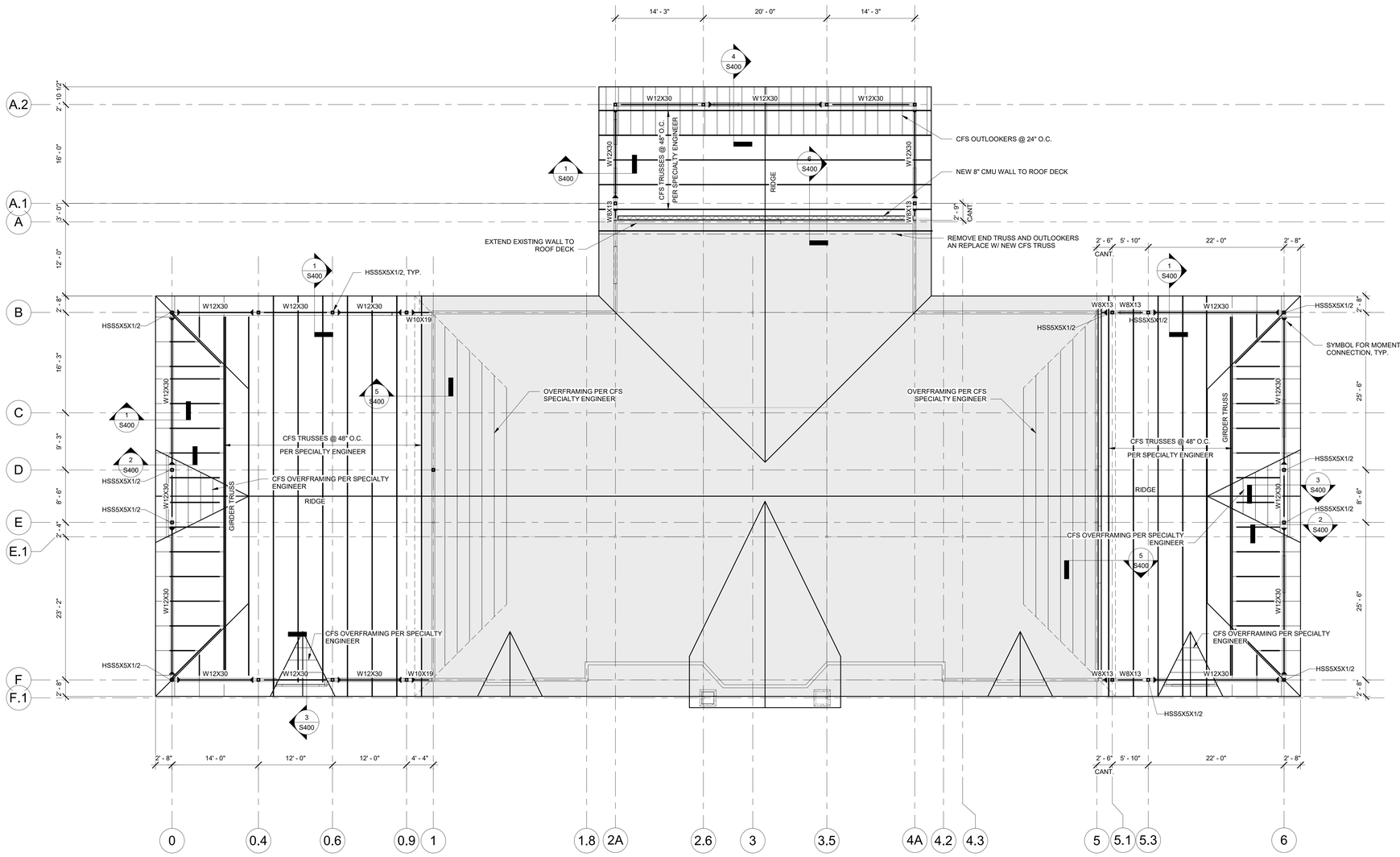
FOUNDATION PLAN

S100



FRAMING PLAN

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

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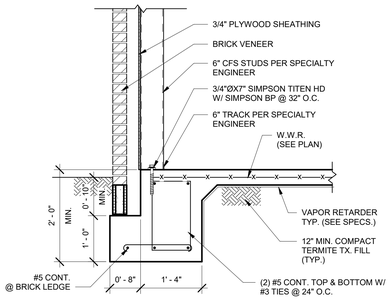
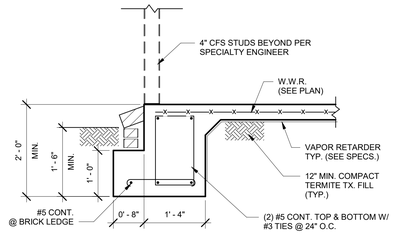
FRAMING PLAN

S200



1 S300 SECTION
SCALE: 3/4" = 1'-0"



2 S300 SECTION
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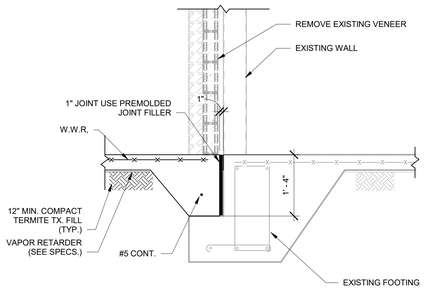

3 S300 SECTION
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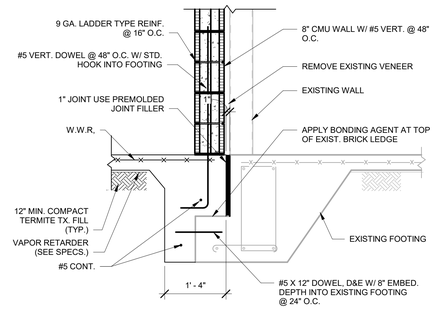

4 S300 SECTION
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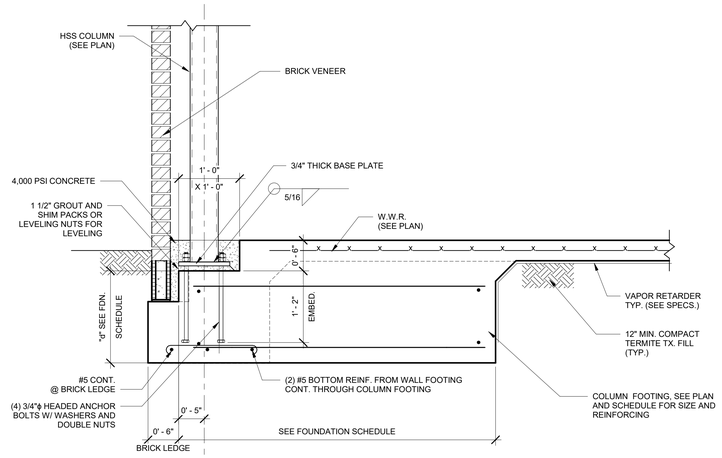
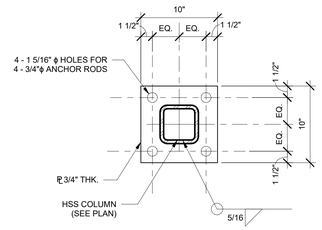
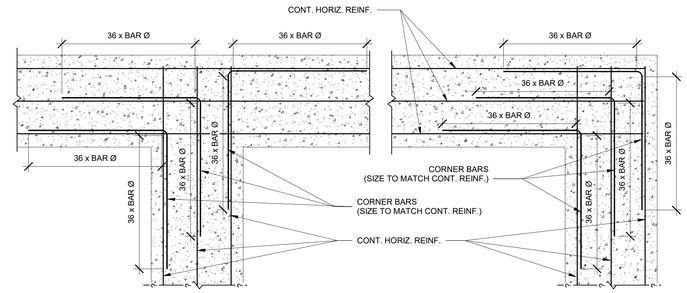


5 S300 SECTION
SCALE: 1" = 1'-0"

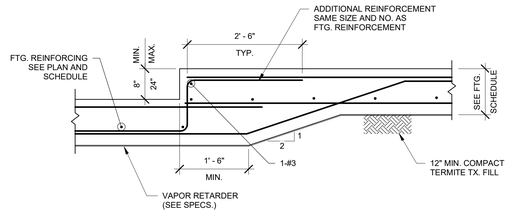
6 S300 SECTION
SCALE: 1" = 1'-0"



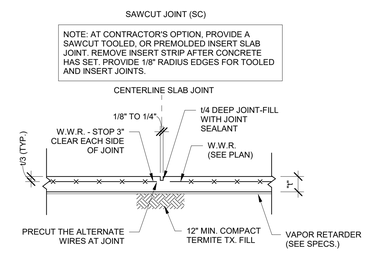
7 S300 COLUMN BASE PLATE
SCALE: 1 1/2" = 1'-0"



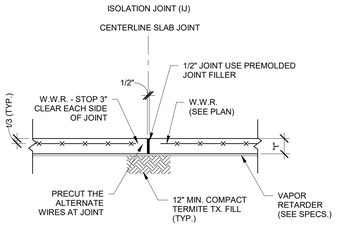
8 S300 FTG. REINF. AT CORNERS AND INTERSECTIONS
SCALE: 3/4" = 1'-0"



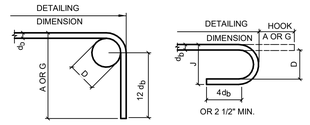
9 S300 STEP FOOTING DETAIL
SCALE: 3/4" = 1'-0"



CONTROL JOINT (SC)



CONTROL JOINT (IJ)



90° HOOK 180° HOOK

RECOMMENDED END HOOKS, ALL GRADES				
BAR SIZE	FINISHED BEND DIAMETER D,(IN.)	180° HOOKS		90° HOOKS
		A OR G,(IN.)	J,(IN.)	A OR G,(IN.)
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

D = INSIDE DIAMETER OF BEND

CONCRETE BAR SPLICE SCHEDULE						
BAR	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI	
	TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS
#3	28"	22"	25"	19"	22"	17"
#4	38"	29"	33"	25"	29"	23"
#5	47"	36"	41"	31"	36"	28"
#6	56"	43"	49"	37"	44"	34"
#7	81"	63"	71"	54"	63"	49"
#8	93"	72"	81"	62"	72"	56"
#9	105"	81"	91"	70"	81"	63"
#10	116"	89"	101"	78"	90"	69"

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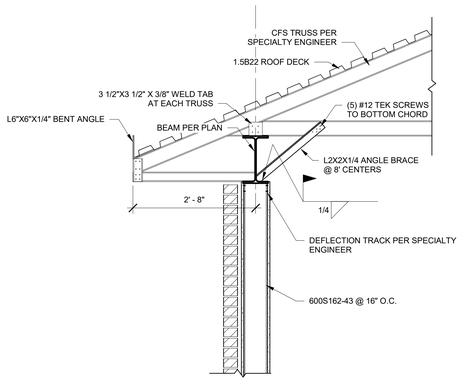
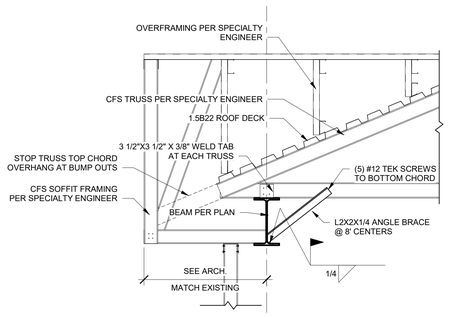
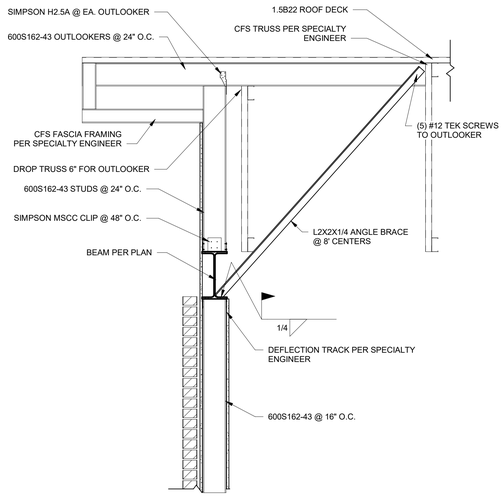


1 S400 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0"



2 S400 SECTION
SCALE: 3/4" = 1'-0"

3 S400 SECTION
SCALE: 3/4" = 1'-0"



4 S400 EXTERIOR WALL SECTION
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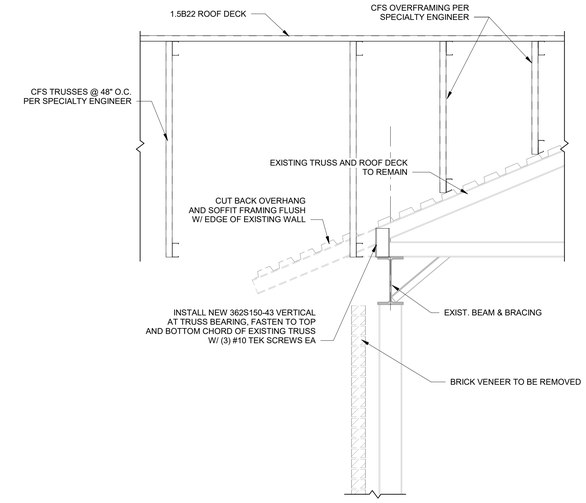
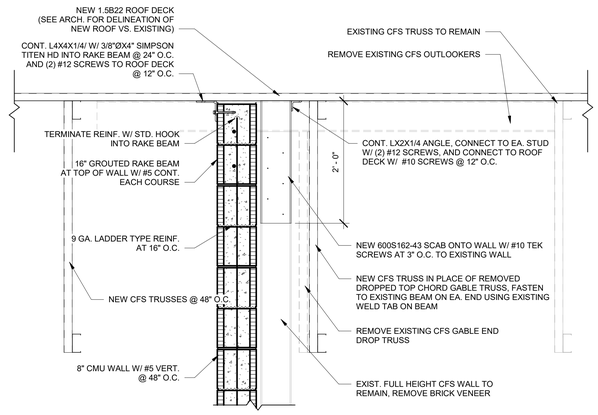
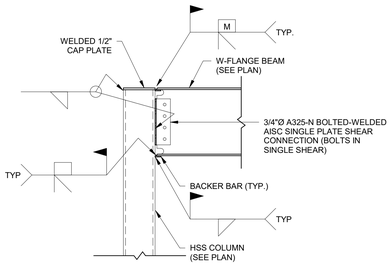


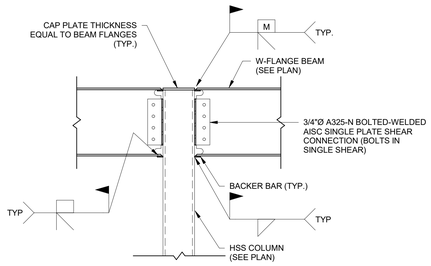
5 S400 SECTION
SCALE: 3/4" = 1'-0"



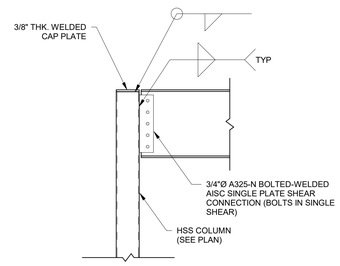
6 S400 SECTION
SCALE: 1" = 1'-0"



7 S400 MOMENT CONNECTION 1 SIDE
SCALE: 3/4" = 1'-0"

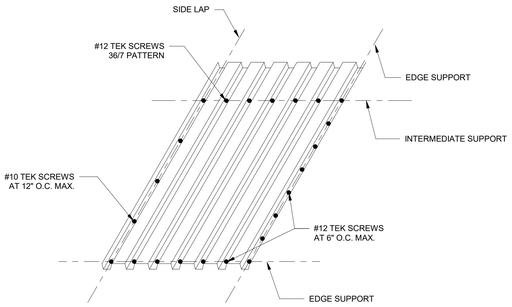


8 S400 MOMENT CONNECTION 2 SIDES
SCALE: 3/4" = 1'-0"



TYP. SHEAR CONNECTION

9 S400 SINGLE PLATE SHEAR CONNECTION
SCALE: 3/4" = 1'-0"



A S400 METAL DECK ATTACHMENT
SCALE: 3/4" = 1'-0"

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FRAMING DETAILS

S400

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LEGEND

———	S OR W	SOIL OR WASTE PIPING
- - - - -	V	VENT PIPING
— — —	CW	COLD WATER SUPPLY PIPING
— — —	HW	HOT WATER SUPPLY PIPING
———	HWR	HOT WATER RETURN PIPING
— · —	TW	TEMPERED WATER PIPING (85°F)
——G——	G	GAS PIPING
	GV	GATE VALVE
	CV	CHECK VALVE
	BV	BALL VALVE
	HB	HOSE BIBB
	WH	WALL HYDRANT
	CO	CLEANOUT TO FLOOR
	FD	FLOOR DRAIN
	FD	FLOOR DRAIN WITH TRAP PRIMER CONNECTION
	COTG	CLEANOUT TO GRADE
		UNION
	VTR	VENT THRU ROOF
1		SHEET NOTE
		POINT OF CONNECTION TO EXISTING
S		SOLENOID VALVE
	SS	SERVICE SINK
	WC	WATER CLOSET
	TP	TRAP PRIMER
	EWH	ELECTRIC WATER HEATER
	WHA	WATER HAMMER ARRESTOR TYPE A
	WHB	WATER HAMMER ARRESTOR TYPE B
	WHC	WATER HAMMER ARRESTOR TYPE C
	L	LAVATORY
	UR	URINAL
	KW	KILOWATT
	TCV	THERMOSTATIC CONTROL VALVE
	(E)	EXISTING
	(M)	INDICATES MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.
	(C)	INDICATES CIVIL EQUIPMENT, REFER TO CIVIL DRAWINGS.

GENERAL NOTES

1. COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS AND EXISTING CONDITIONS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
2. PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH EXISTING SITE UTILITIES. REPORT ANY CONFLICT WITH ARCHITECT.
3. FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING. COORDINATE WITH EXISTING CONDITIONS.
4. ALL PIPING PASSING THROUGH ANY WALL SHALL HAVE A SLEEVE PER SPECIFICATIONS.
5. ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
6. ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
7. COORDINATE EXACT LOCATION OF ALL EXTERIOR WALL HYDRANTS WITH ARCHITECTURAL DRAWINGS.
8. UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES GREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
9. PRIOR TO SUBSTANTIAL COMPLETION OF NEW AND ALTERED WORK AREAS, CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
10. ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
11. ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
12. CONTRACTOR SHALL DEVELOP AND SUBMIT COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
13. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PLUMBING.

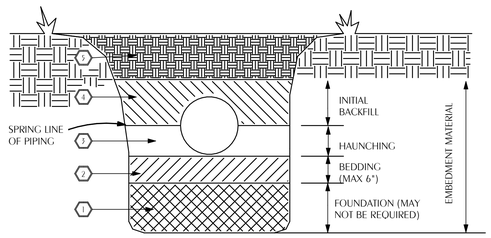
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	FIXTURE CONNECTIONS-INCHES		
		CW	HW	W
WC-1	WATER CLOSET (ADULT HANDICAP, FLUSH TANK)	1/2	-	4
L-1	LAVATORY (ADULT HANDICAP, 20"x18" WALL MOUNTED)	3/8	3/8	1-1/4
SK-1	DUAL COMPARTMENT SINK	3/8	3/8	1-1/2
EWH-1	ELECTRIC WATER HEATER	3/4	3/4	-
CP-1	CIRCULATION PUMP (INLINE)	-	3/4 FLANGE	-
FD	FLOOR DRAIN	1/2	-	3
HB	HOSE BIBB	3/4	-	-
MV-1	WATER MIXING VALVE	3/8	3/8	-
TP-1	TRAP PRIMER	1/2	-	-
UB-1	RECESSED UTILITY WALL BOX (ICE MAKER HOOK-UP)	3/8	-	-

1. WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
2. SEE ELECTRICAL DWGS FOR FINAL POWER REQUIREMENTS.
3. PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.

1. A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS.
2. BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS, CLASS II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", LIGHTLY COMPACTED UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. IN WET CONDITIONS, CLASS I, II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE USE OF CLASS I MATERIAL.
3. HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
4. INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR III. IT SHALL BE PLACED WITHIN 24-30" ABOVE THE TOP OF THE PIPE AND TAMPED BY A PORTABLE VIBRATOR. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF ROADWAY.
5. FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS. A MINIMUM OF 30" OF COVER OVER THE TOP OF THE PIPE SHALL BE PROVIDED BEFORE THE TRENCH IS WHEEL- LOADED.

NOTE:
ALL EMBEDMENT MATERIALS SHALL BE NO LESS THAN 95% OF MAXIMUM DENSITY. LABORATORY TESTING OF THE SOIL WILL BE REQUIRED. THIS PROCEDURE SHALL BE REQUIRED ON ALL INSTALLATIONS. ALL TRENCHING, EXCAVATION, AND BACKFILLING SHALL BE IN ACCORDANCE WITH 2023 FLORIDA PLUMBING CODE.



EMBEDMENT MATERIALS

CLASS I: ANGULAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.

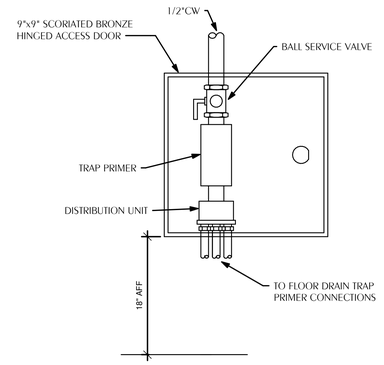
CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES GW, GP, SW, AND SP ARE INCLUDED IN THIS CLASS.

CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.

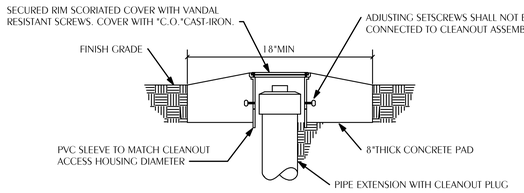
CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

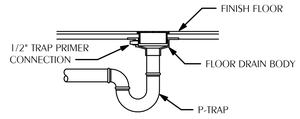
1 EXCAVATION AND BACKFILL DETAIL
P-001 SCALE: NONE



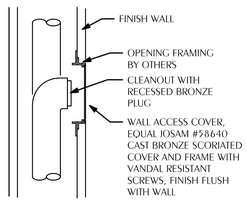
2 TRAP PRIMER DETAIL
P-001 SCALE: NONE



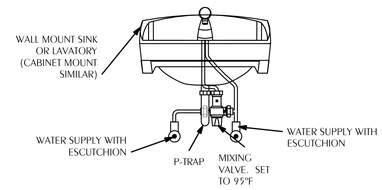
3 CLEANOUT TO GRADE
P-001 SCALE: NONE



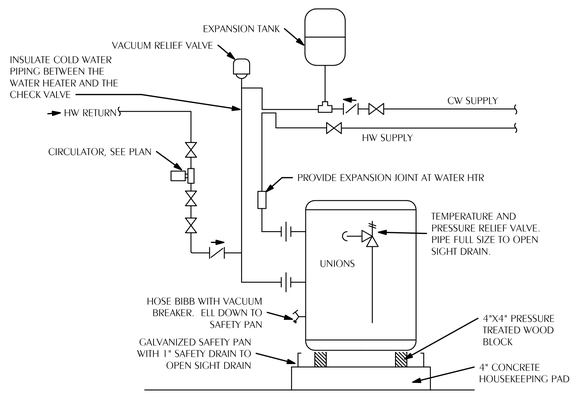
4 FLOOR DRAIN WITH TRAP PRIMER
P-001 SCALE: NONE



5 CLEANOUT TO WALL
P-001 SCALE: NONE



6 UNDER SINK MIXING VALVE DETAIL
P-001 SCALE: NONE — TYPICAL FOR ALL L-1, SK-1



7 ELECTRIC WATER HEATER DETAIL
P-001 SCALE: NONE

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

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Project Number: 2024-101
Checked By: KAJ
Drawn By: JDD

LEGEND, NOTES, SCHEDULE, DETAILS

P-001

PLUMBING FIXTURE SPECIFICATIONS

1. FIXTURES AND EQUIPMENT:
   A. FURNISH AND INSTALL PLUMBING FIXTURES, EQUIPMENT, DRAINS, ETC., COMPLETE WITH ALL TRIM, FITTINGS, AND OTHER DEVICES WHICH ARE CONSIDERED NECESSARY BY THE TRADE, BY CRAFT STANDARDS, AND/OR BY THE ARCHITECT.

2. PLUMBING FIXTURES, EQUIPMENT, AND TRIM:

WC-1 WATER CLOSET, FLOOR-MOUNT (HANDICAP, TANK TYPE):

VITREOUS CHINA LOW CONSUMPTION 1.28 GPF, ELONGATED, 16-3/4" TO RIM, SIPHON JET ACTION, CLOSED-COUPLED TANK, COMPLETE WITH FLOAT VALVE, VALVE AND CHROME PLATED TRIP LEVER, BOLT CAPS, COLOR "WHITE", CHROME PLATED SOLID BRASS ANGLE STOP WITH FLEXIBLE CHROME PLATED COPPER RISER, HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES.

WATER CLOSET	ZURN Z5555-K-HET
SUPPLY W/STOP	ZURN Z8800CRLK-PC
SEAT	ZURN Z5955SS-EL-STS
CLOSET BOLT/WAX RING KIT	ZURN Z5972-COMB

L-1 LAVATORY, WALL MOUNT (HANDICAP):

VITREOUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT. FURNISH WALL MOUNTED DURA-COATED SUPPORT PLATES WITH ARM SLEEVES, CONCEALED ARMS, AND MOUNTING FASTENERS, CONFORMING TO FEDERAL SPEC. FF-S-325. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISH CHROME PLATED CAST BRASS SINGLE LEVER FAUCET WITH 0.5 GPM AERATOR OUTLET AND SINGLE LEVER HANDLE. LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH FULLY MOLDED INSULATION KIT, AND LIGHT GRAY COLOR WITH 3-PIECE INTERLOCKING TRAP ASSEMBLY AND 2-PIECE INTERLOCKING ANGLE VALVE ASSEMBLY. FASTENERS SHALL BE HOOK AND LOOP. LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 8" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHT.

LAVATORY	ZURN Z5341
FAUCET	ZURN Z-82200-3M
SUPPLY W/STOP	ZURN 8800LRLK-PC
P-TRAP	ZURN Z8700-PC
DRAIN	ZURN Z8746
INSULATION KIT	DEARBORN ADA100
AERATOR	ZURN -3M
CARRIER	ZURN Z-1254
BASE ANCHORAGE	B-LINE ANCHORS AWA-50-375

SK-1 DOUBLE COMPARTMENT STAINLESS STEEL SINK (UNDERMOUNT):

30-3/4" X 18-1/2" X 7-7/8" DEEP (BOWL IS 14-3/4X16-3/4X6), TYPE 304, 18 GAUGE, 8" CENTERS, (18-8) NICKEL BEARING STAINLESS STEEL, UNDERMOUNT SINK WITH SATIN FINISH AND SOUND DEADENING MATERIALS ON SIDE AND BOTTOM OF SINK. PROVIDE POLISHED CHROME PLATED TOP MOUNT SWING GOOSENECK SPOUT WITH STRAIGHT LEVER HANDLES, HOSE AND SPRAY, WATER SAVING AERATOR, STRAINER WITH REMOVABLE CRUMB CUP AND STOPPER, 1-1/2 TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. COORDINATE WITH CABINET SHOP DRAWINGS, BASE CABINET MUST BE A TRUE MINIMUM 24" DEEP BACK TO FRONT IN ORDER FOR SINK TO DROP INTO COUNTERTOP OPENING. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION, ONLY, NO OTHER CAPPED OPENINGS WILL BE ALLOWED. MEETS ASSE 1070 STANDARDS. HOSE AND SPRAY TO MATCH FAUCET FINISH.

SINK	ELKAY ELUH3118DBG
FAUCET	ZURN Z-871 11-XL-HS
STRAINER	ELKAY LK-35
WASTE	ELKAY LK-353
SUPPLIES	ZURN Z-8802-LK
P-TRAP	ZURN 8702 PC
MIXING VALVE	WATTS LFUSG-B

EWH-1 ELECTRIC WATER HEATER:

ASHRAE STANDARD 90, GLASS LINED TANK SUITABLE FOR 150 PSI WORKING PRESSURE, 300-PSI TEST. FINISH OF DURABLE HIGH GLOSS BAKED ENAMEL. BLANKET GLASS FIBER INSULATION OVER ENTIRE TANK. ASME PRESSURE AND TEMPERATURE RELIEF VALVE. WATER HEATER SHALL BE ACCEPTABLE FOR COMMERCIAL APPLICATION BY MANUFACTURER. PROVIDE 3 FULL YEAR WARRANTY, SNAP ACTION AUTOMATIC SURFACE MOUNTED THERMOSTATS, IMMERSION TYPE HEATING ELEMENTS AND MAGNESIUM ANODE ROD. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. PROVIDE THERMAL EXPANSION RELIEF VALVE ON COLD WATER INLET SIDE OF HEATER FOR THERMAL EXPANSION CONTROL. PROVIDE GALVANIZED STEEL DRIP PAN. 4.5KW, 208V/1 PHASE

WATER HEATER	A. O. SMITH DEN-30
VACUUM RELIEF	WATTS 36A
EXPANSION RELIEF VALVE	WATTS 530

CP-1 CIRCULATOR PUMP(INLINE TYPE):

INFINITELY VARIABLE CIRCULATOR MADE OF COMPOSITE CASING, HOUSING, IMPELLER, CERAMIC SHAFT, AND CARBON BEARINGS. A 44 WATT ECM PERMANENT MAGNET MOTOR AND ELECTRICAL CHARACTERISTICS ARE 120V/1 PHASE, 60 HZ., WITH 1" CONNECTIONS, MAXIMUM OPERATING PRESSURE OF 150 PSI, UL STANDARD 778 AND NSF CERTIFIED. DIGITAL TIMER WITH CIRCULATOR PROGRAMMING. TEMPERATURE AQUASTAT, MAINTAINS WATER TEMPERATURE BETWEEN 95F AND 115F. CIRCUIT SETTER CALIBRATED BALANCE VALVE, LEAD-FREE BRASS, WITH 1/4" NPT TAPPED DRAIN PORT, MEMORY STOP FEATURE, SET AT 1 GPM. PROVIDE CIRCUIT SOLVER A SELF-ACTING THERMOSTATIC RECIRCULATION VALVE SET AT 110F.

CIRCULATOR	TACO 006E3
TIMER	TACO 265-3
AQUASTAT	TACO 565-2
CIRCUIT SETTER	XYLEM CB-1/2S LF
RECIRCULATION VALVE (TVC)	CIRCUIT SOLVER CS-1/2-110

HB RECESSED HOSE BIBB:

ANTI-SIPHON VACUUM BREAKER, FLUSH MOUNTING STAINLESS STEEL WALL BOX WITH HINGED COVER, 3/4 INCH HOSE THREAD, BRONZE BODY AND INTER PARTS, WHEEL HANDLE, LOOSE KEY FAUCET OPERATED CONTROL VALVE, DUAL CHECK VALVE, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, NARROW INSTALLATION.

WALL FAUCET	ZURN Z1335

UB-1 ICE MAKER HOOK-UP (REFRIGERATOR SPACE):

RECESSED METAL WALL BOX CONSTRUCTED AND SUITABLE FOR FIRE RATED PARTITIONS, COMPLETE WITH FACTORY INSTALLED SHANK VALVE WITH 1/4" O.D. COPPER OUTLET TESTED @ 100 P.S.I. PROVIDE APPROXIMATELY 5'-0" OF 1/4" O.D. SOFT COPPER TUBING WITH COMPRESSION FITTING IN TIGHT COIL. ANCHOR BOX TO WALL STRUCTURE. VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS OR MOUNT TO MANUFACTURERS RECOMMENDATIONS.

WALL BOX	GUY GRAY BIM 875

FD FLOOR DRAIN:

DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE SS" HEEL-PROOF STAINLESS STEEL MEDIUM DUTY SQUARE STRAINER.

FLOOR DRAIN	ZURN ZS415SS

TP TRAP PRIMER:

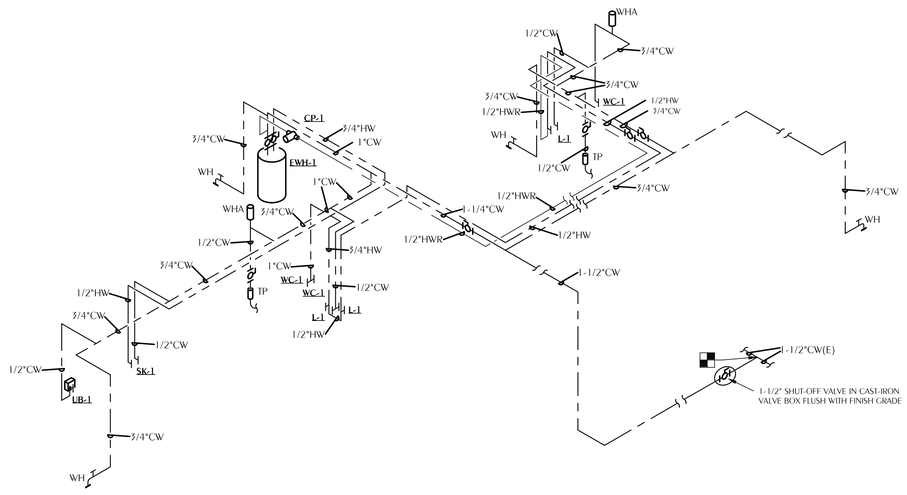
PROVIDE BRASS TRAP PRIMERS AND DISTRIBUTION UNITS TO SEAL FLOOR DRAINS INDICATED ON DRAWINGS. TRAP PRIMER VALVES SHALL BE AUTOMATIC, SELF CONTAINED TYPE WITH NO SPRINGS OR DIAPHRAGMS AND SHALL NOT REQUIRE ADJUSTMENT. INLET AND OUTLET SIZE IS 1/2". TRAP PRIMER VALVES SHALL BE THE TYPE THAT CAN BE INSTALLED ANYWHERE ON COLD WATER PIPING SIZE 1-1/2" OR LESS. DISTRIBUTION UNITS SHALL SUPPLY 1-4 FLOOR DRAINS. TRAP PRIMER VALVES SHALL COMPLY WITH ASSE 1018. PRECISION PLUMBING PRODUCTS (PPP).

TRAP PRIMER	PPP PR-500
DISTRIBUTION UNIT	PPP DU-U

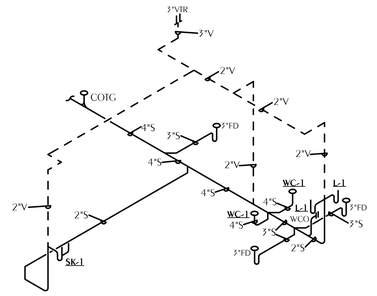
MV-1 WATER MIXING VALVE (THERMOSTATIC MIXING):

UNDER SINK 3/8" COMPRESSION FITTING MIXING VALVE, BRASS BODY, LEAD FREE, LIMITS HOT WATER BETWEEN 80F & 120F, DUAL CHECK VALVES, 0.25GPM MIN. FLOW, 40 MESH STAINLESS STEEL STRAINER, TAMPER RESISTANT LOCKING CAP. MEETS ASSE 1070 STANDARDS.

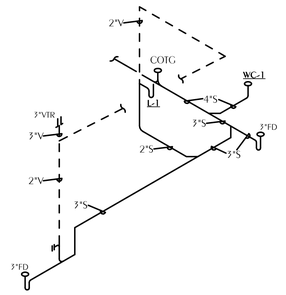
EXPOSED MIXING VALVE	WATTS LFUSG-B



1 DOMESTIC WATER RISER
P-002 SCALE: NONE



2 SANITARY RISER DIAGRAM
P-002 SCALE: NONE



3 SANITARY RISER DIAGRAM
P-002 SCALE: NONE

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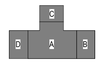

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Project Number **25014**
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PLUMBING SPECIFICATIONS AND RISER DIAGRAMS

P-002

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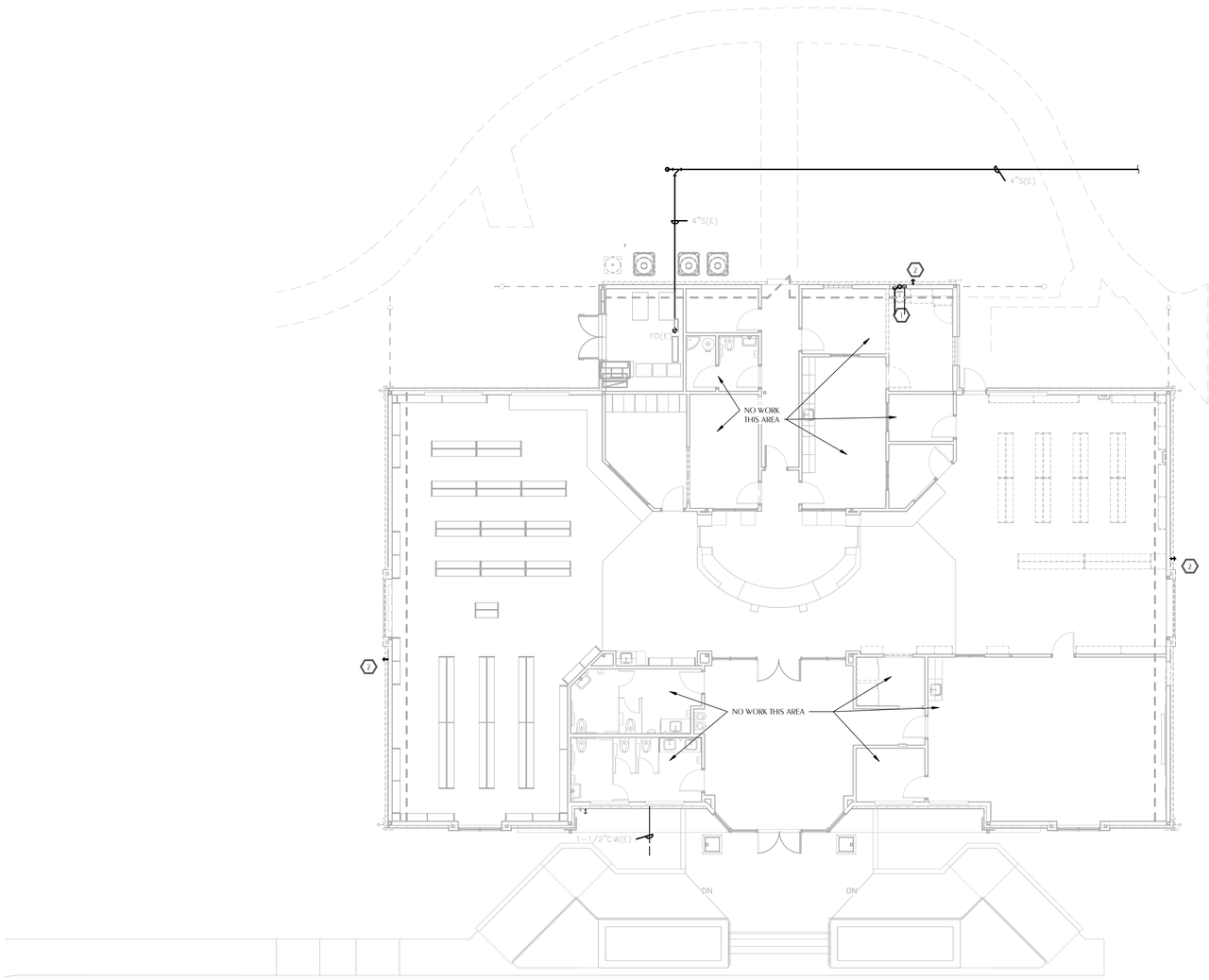

SHEET NOTES

1. REMOVE EXISTING 2 COMPARTMENT SINK AND TRIM. PREPARE PIPING FOR INSTALLATION OF NEW SINK IN ADJACENT ROOM.
2. REMOVE EXISTING WALL HYDRANT. CAP EXISTING PIPING ABOVE CEILING.

N PROJECT NORTH / TRUE NORTH

1 P-101 LEVEL 1 PLUMBING DEMOLITION PLAN

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

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LEVEL 1 PLUMBING DEMOLITION PLAN

P-101

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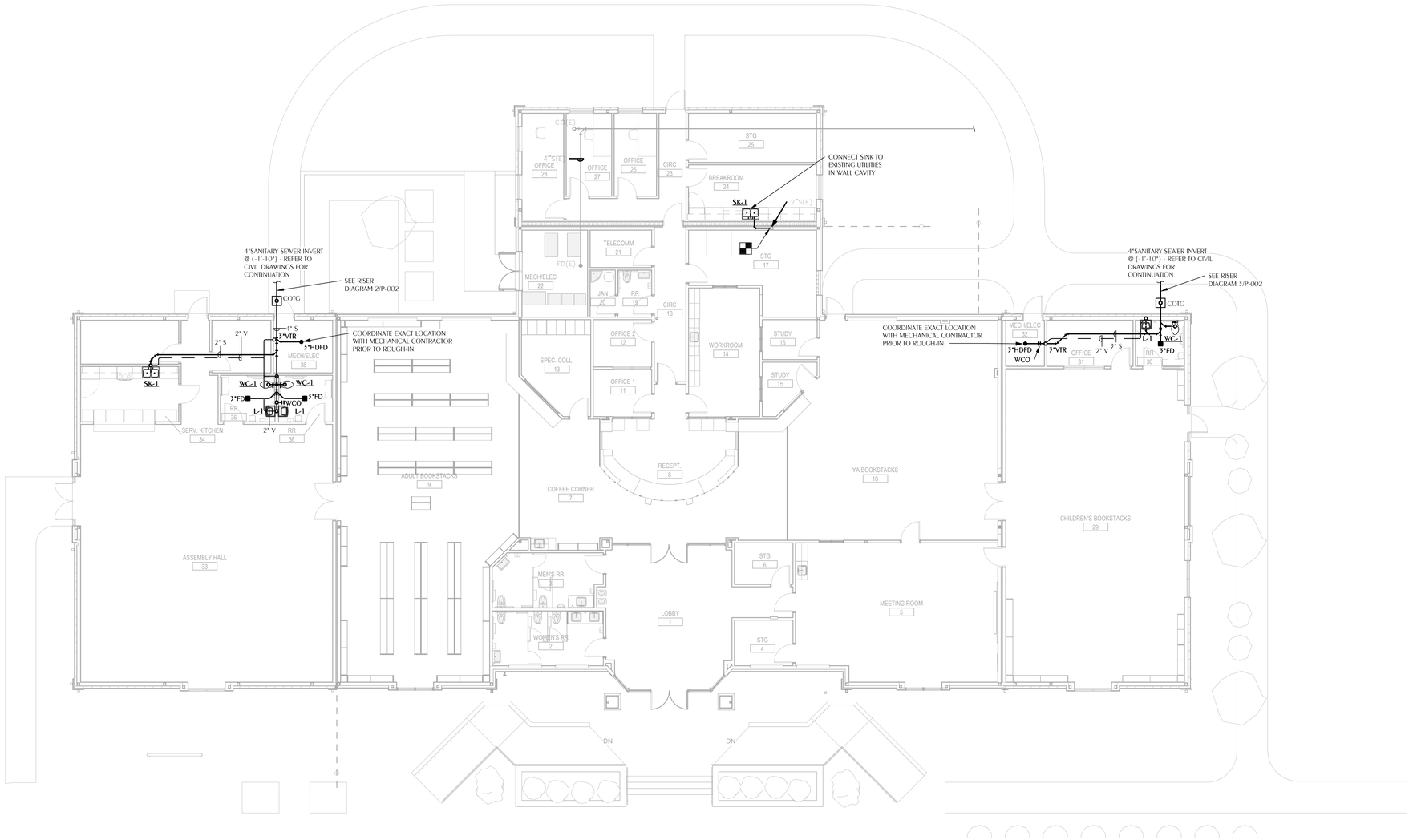
Project Number: 2024-101
Checked By: KAJ
Drawn By: JDD



LEVEL 1 PLUMBING PLAN - SANITARY

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

PROJECT NORTH / TRUE NORTH

REFERENCE:
FINISHED FLOOR ELEVATION = 0'-0"

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Project Number	**25014**
Dated	09-16-2025

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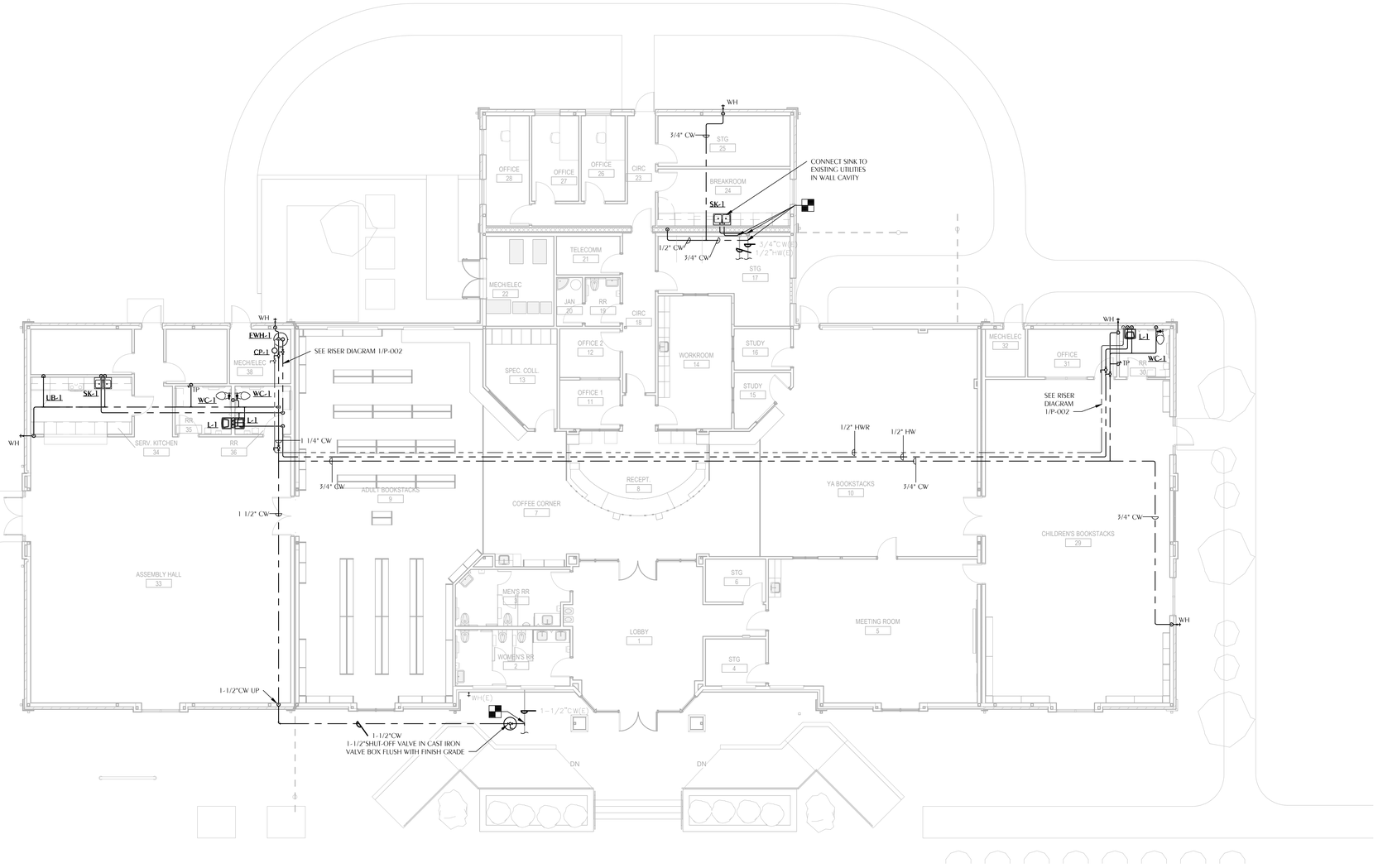
LEVEL 1 PLUMBING PLAN - SANITARY

P-111



N PROJECT NORTH

N TRUE NORTH

1 P-112 LEVEL 1 PLUMBING PLAN - DOMESTIC WATER

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

REFERENCE:
FINISHED FLOOR ELEVATION = 0'-0"

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LEVEL 1 PLUMBING PLAN - DOMESTIC WATER

P-112

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HVAC LEGEND

AHU-1	EQUIPMENT TAG
1 / M3	DETAIL TAG; ("1" INDICATES IDENTIFICATION NUMBER; "M3" INDICATES THE SHEET NUMBER DRAWN ON)
1	SHEET NOTE
	SUPPLY DUCT SECTION POSITIVE PRESSURE
	RETURN OR EXHAUST DUCT NEGATIVE PRESSURE
AxB	RECTANGULAR DUCT SIZE ("A" INDICATES SIDE SHOWN; "B" INDICATES SIDE NOT SHOWN) INDICATES RISE IN ELEVATION OF DUCT.
	EXTERNALLY INSULATED DUCTWORK
	EXTERNALLY INSULATED ROUND FLEXIBLE DUCTWORK
	DUCT ELBOW WITH TURNING VANES
	RADIUSED DUCT ELBOW
	FLEXIBLE DUCT CONNECTION
L	MANUAL VOLUME BALANCING DAMPER
M	MOTORIZED DAMPER
FD	FIRE DAMPER WITH ACCESS DOORS
SD	SMOKE DAMPER WITH ACCESS DOORS
BD	BACKDRAFT DAMPER
	TEE WITH TURNING VANES
	TRANSITION
	FLEX DUCT TAKE OFF WITH MVD SIZE EQUALS DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE
	BRANCH DUCT TAKEOFF WITH MVD
	EXISTING DUCTWORK
	DEMO DUCTWORK

SR-1 / 100	AIR DEVICE TAG; TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM
(2)SR-1 / 100	AIR DEVICE TAG; TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM (2) INDICATES TYPICAL OF TWO DEVICES
TYP	TYPICAL
TEMP	TEMPERATURE
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTDOOR AIR
TA	TRANSFER AIR
EF	EXHAUST FAN
CD	CEILING DIFFUSER
RG	RETURN GRILLE
AHU	INDOOR AIR HANDLING UNIT
HP	HEAT PUMP
OAU	OUTSIDE AIR UNIT
T1	THERMOSTAT, "1" INDICATES UNIT CONTROLLED
S	DUCT MOUNTED SMOKE DETECTOR
UC	UNDERCUT DOOR 3/4"
AFF	ABOVE FINISHED FLOOR
XFR	TRANSFER AIR
ESP	EXTERNAL STATIC PRESSURE
DDC	DIRECT DIGITAL CONTROLS
TAB	TESTING, ADJUSTING, AND BALANCING
NOM	NOMINAL

DUCTWORK AND INSULATION GENERAL NOTES

1. ALL ROUND FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE 8M OR ENGINEER APPROVED EQUAL. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT SHALL BE 5'-0". WHERE LENGTH REQUIRED EXCEEDS 5'-0", INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
2. SEAL ALL DUCT PENETRATIONS OF WALLS AND FLOORS AIRTIGHT, REGARDLESS OF WHETHER WALLS AND FLOORS ARE FIRE RATED OR NOT.
3. ALL SUPPLY AIR DUCTWORK (EXCEPT TAKEOFFS TO SUPPLY AIR DIFFUSERS) SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
4. ALL RETURN AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
5. ALL OUTSIDE AIR INTAKE DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
6. STANDARD EXHAUST AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1/2" W.G., SEAL CLASS A, INSULATION NOT REQUIRED.
7. AVOID ROUTING DUCTWORK WITHIN 6" OF TOP OF LIGHT FIXTURES WHEREVER POSSIBLE. MAINTAIN CLEARANCE BETWEEN DUCT INSULATION TO TOP OF LIGHTS.
8. PROVIDE MVD'S AT ALL TAKEOFFS FROM MAIN DUCTS.
9. CONTRACTOR SHALL SUBMIT COORDINATED DUCTWORK SHOP DRAWINGS INDICATING COORDINATION WITH ELECTRICAL AND PLUMBING PRIOR TO BEGINNING WORK. SHOP DRAWINGS SHALL INCLUDE LOCATIONS OF THERMOSTATS, ACCESS PANELS, AIR DEVICES, DUCTWORK, ETC.

GENERAL NOTES

1. ALL DUCT DIMENSIONS ARE NET INSIDE.
2. VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
3. FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL DUCTWORK FOR LEAKS. SEE SPECIFICATIONS.
4. CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
5. PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
6. WASTE VENT STACKS, EXHAUST FANS, ETC. SHALL BE A MINIMUM OF 10 FT. FROM OUTSIDE AIR INTAKES.
7. ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
8. ALL AHU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
9. PROVIDE ACCESS PANELS IN HARD CEILINGS AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
10. ALL BIRD AND INSECT SCREENS SHALL BE ANODIZED ALUMINUM.
11. BECAUSE OF THE SMALL SCALE OF CONTRACT DOCUMENTS IT IS NOT POSSIBLE TO SHOW ALL OFFSETS, TRANSITIONS, ETC. THE CONTRACT DOCUMENTS ARE ESSENTIALLY DIAGRAMATIC. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COORDINATED WITH THE STRUCTURE AND ARCHITECTURAL WORK FOR REVIEW PRIOR TO COMMENCING WORK
12. ALL WORK SHALL COMPLY WITH 2023 FLORIDA BUILDING CODE.

AIR DEVICE SCHEDULE

MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 CFM	80	9x9	6Ø	TDC
CD-2 CFM	230	12x12	8Ø	TDC
CD-3 CFM	350	12x12	10Ø	TDC
SWG-1 CFM	60	6x6	6x6	272RL
RG,EG,SG,TG,RR,ER				
xx-1 CFM	530	12x12	12x12	350FL
xx-2 CFM	1800	22x22	22x22	350FL
xx-3 CFM	230	10x6	10x6	350FL

NOTES:
1. MAX NC=20
2. PROVIDE 2x2 LAY IN PANEL FOR AIR DEVICES IN LAY IN CEILINGS.
3. PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILINGS.
4. PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILINGS.
5. PAINT ALL DUCT VISIBLE THROUGH GRILLES FLAT BLACK.

VENTILATION SCHEDULE

SPACE TYPE	VENTILATION CFM/S.F.	VENTILATION CFM/PERSON	EXHAUST CFM
CORRIDOR	0	5	0
CLASSROOM	0	5	0
RESTROOM	0	5	60/FIXTURE
STORAGE	0	5	0
JANITORS CLOSET	0	5	1/SF

NOTE:

VENTILATION RATES IN COMPLIANCE WITH ASHRAE STANDARD 62.1-2019. BIPOLAR IONIZATION IS UTILIZED TO CLEAN INDOOR AIR AND MAINTAIN ACCEPTABLE INDOOR AIR QUALITY WITH A REDUCTION IN OUTDOOR AIRFLOW.

SEQUENCE OF OPERATION

GENERAL: PROVIDE A PROGRAMMABLE THERMOSTAT WITH HUMIDITY CONTROL, OCCUPIED/UNOCCUPIED SETPOINTS, AND SCHEDULE FUNCTIONS.

TYPICAL AHU/HP:

OCCUPIED MODE: THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE HP SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE. THE ELECTRIC HEAT SHALL BE AVAILABLE AS EMERGENCY HEAT AND AN ADDITIONAL STAGE OF HEAT WHEN THE OUTDOOR AIR TEMPERATURE FALLS BELOW 35°F. THE SETPOINT FOR COOLING SHALL BE 75° F ADJUSTABLE. THE SETPOINT FOR HEATING SHALL BE 70° F ADJUSTABLE.

UNOCCUPIED MODE: THE INDOOR FAN AND HP OR ELECTRIC HEAT SHALL CYCLE TO MAINTAIN SETPOINT TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 80° F ADJUSTABLE. THE SETPOINT FOR HEATING SHALL BE 60°F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE.

AIR PURIFICATION EQUIPMENT SCHEDULE

ZONE AHU	SA (CFM)	OA (CFM)	PRESS (IN W.C.)	BASIS OF DESIGN	MODEL	QUANTITY	ELECTRICAL VOLTS/PHASE	ELECTRICAL WATTS	NOTES
5	2400	365	0.6	GPS	DM48-AC	1	24	12	1,2,3,5
6	1250	185	0.6	GPS	CI-2	1	24	7	1,2,3,4

1. BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
2. MANUFACTURER MUST PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
3. UNIT SHALL BE MOUNTED IN SUPPLY AIR DUCT.
4. PROVIDE 12V DC POWER SUPPLY FOR CONTROL PANEL.
5. PROVIDE 24V DC POWER SUPPLY FOR CONTROL PANEL.

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT AHU/HP	BASIS OF DESIGN	MODEL HP/AHU	SA (CFM)	OA (CFM)	ESP (IN H2O)	FAN (HP)	COOLING MAT° (DB/WB)	COOLING OAT° (DB/WB)	COOLING TOTAL (BTUH)	COOLING SENSIBLE (BTUH)	SEER2	HEATING MAT° (DB)	HEATING OAT° (DB)	HEATING TOTAL (BTUH)	HSPF2	SUPPL HEAT (KW)	AHU ELECTRICAL VOLTS/PHASE	AHU ELECTRICAL MCA	AHU ELECTRICAL MOP	HP ELECTRICAL VOLTS/PHASE	HP ELECTRICAL MCA	HP ELECTRICAL MOP	NOTES
3	-	EXISTING	1495	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	TRANE	TWA090K3DAA/TWE090K3	2400	365	0.6	3/4	77.2/66.3	95/77	65500	48700	TT.2 (EER)	62.8	25	33700	3.4 (COP)	18.7	208/3	78	80	208/3	35	45	1,2,3,4,5,6,7,9,10,11,12
6	TRANE	5TWA4048A3/5TEM6D06	1250	185	0.6	3/4	78.5/64.7	95/77	44200	33600	15.2	62.9	25	25400	8.1	10.8kW	208/3	45	45	208/3	18.1	30	1,2,3,4,5,6,7,9,10,11

1. PROVIDE 2" 30% FILTERS AND FILTER HOUSING SHOWN IN DETAILS.
2. EFFICIENCIES IN ACCORDANCE WITH ARI STANDARD 210/240.
3. ESP DOES NOT INCLUDE FILTER, CASING, ETC.
4. PROVIDE CONTROL KIT TO INCLUDE BLOWER CONTACTOR OR STARTER, TRANSFORMER, ELECTRIC HEATER INTERLOCKS. ELECTRICAL SERVICE SHALL BE A SINGLE POINT OF CONNECTION.
5. PROVIDE THERMAL EXPANSION VALVES.
6. DIRECT DRIVE AHU FAN.
7. COOLING CAPACITY IS NET AND DOES NOT INCLUDE FAN HEAT.
8. PROVIDE UNIT MOUNTED CIRCUIT BREAKER FOR INDOOR AIR HANDLERS.
9. PROVIDE EPA APPROVED REFRIGERANT.
10. PROVIDE REFRIGERANT MONITORING SYSTEM.
11. PROVIDE UNIT WITH HOT GAS REHEAT AND APR VALVE.
12. PROVIDE DUAL CIRCUITED AIR HANDLING UNIT WITH DUAL COMPRESSORS.

LOUVER SCHEDULE

MARK	AIRFLOW CFM (MAX)	LOUVER SIZE (WxH) INCHES	FREE AREA FT (MIN)	MAXIMUM PRESSURE DROP
LVR-1	400	28x14	0.8	0.1
LVR-2	185	14x14	0.3	0.1
LVR-3	460	20x24	1.3	0.05

1. PROVIDE GREENHECK MODEL 'EHV-901D' (OR EQUAL) EXTRUDED ALUMINUM, WIND-DRIVEN RAIN RESISTANT, STATIONARY LOUVER WITH BIRDSCREEN AND FLORIDA PRODUCT APPROVAL.
2. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.
3. COORDINATE ELEVATIONS WITH ARCHITECT.

FAN SCHEDULE

UNIT	TYPE	CFM	MAX. FAN RPM	ESP (IN. H20)	MAX. MOTOR POWER	SONES/dB (MAX)	BASIS OF DESIGN	MODEL	CONTROL	ELECTRICAL VOLTS/PHASE	NOTES
EF-1(E)	CEILING	325	-	-	-	-	-	-	-	-	-
EF-2(E)	CEILING	325	-	-	-	-	-	-	-	-	-
EF-3(E)	CEILING	110	-	-	-	-	-	-	-	-	-
EF-4(E)	CEILING	100	-	-	-	-	-	-	-	-	-
EF-5(E)	CEILING	250	-	-	-	-	-	-	-	-	-
EF-6	CEILING	70	772	0.25	7 WATTS	1.2	COOK	GCVF-100	INTERLOCK W/LIGHTS	115/1	1,2,3,4,5
EF-7	CEILING	70	772	0.25	7 WATTS	1.2	COOK	GCVF-100	INTERLOCK W/LIGHTS	115/1	1,2,3,4,5
EF-8	CEILING	70	772	0.25	7 WATTS	1.2	COOK	GCVF-100	INTERLOCK W/LIGHTS	115/1	1,2,3,4,5
EF-9	CEILING	235	977	0.25	28 WATTS	2.0	COOK	GCVF-500	INTERLOCK W/LIGHTS	115/1	1,2,3,4,5

1. PROVIDE DISCONNECT
2. PROVIDE SOLID STATE SPEED CONTROLLER
3. PROVIDE BACKDRAFT DAMPER
4. PROVIDE THERMAL OVERLOAD
5. PROVIDE DIRECT DRIVE FAN WITH EC MOTOR.
6. PROVIDE RUBBER IN SHEAR VIBRATION ISOLATION.

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HVAC LEGEND, NOTES AND SCHEDULES

M-001

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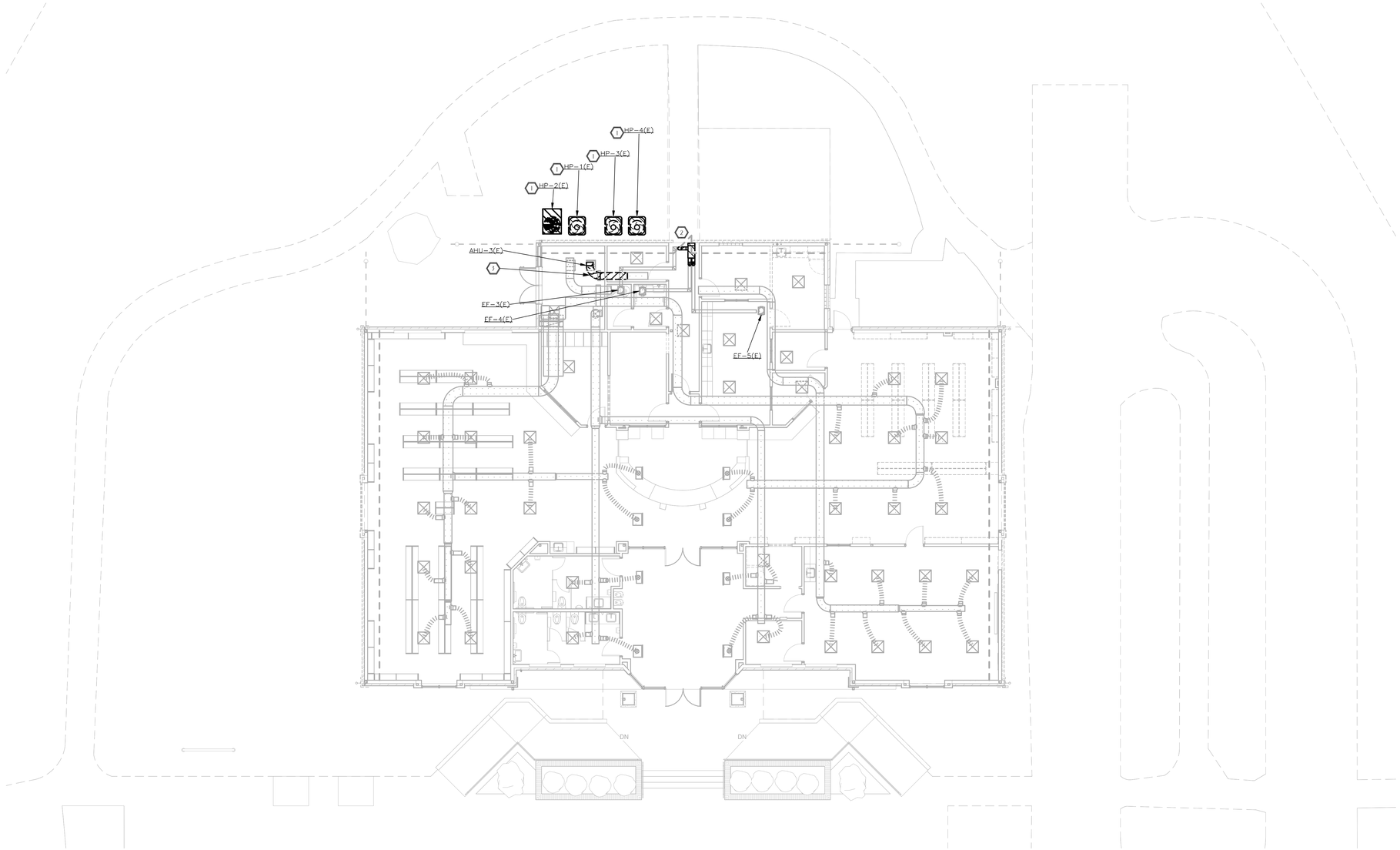
SHEET NOTES

1. RELOCATE EXISTING UNITS TO LOCATIONS SHOWN ON LEVEL 1 HVAC PLAN SHEET M-111.
2. REMOVE EXISTING LOUVER, PLENUM AND DUCTWORK CONNECTIONS AS SHOWN.
3. REMOVE PORTION OF EXISTING SUPPLY DUCT AS SHOWN.



N PROJECT NORTH / TRUE NORTH

1 M-101 LEVEL 1 HVAC DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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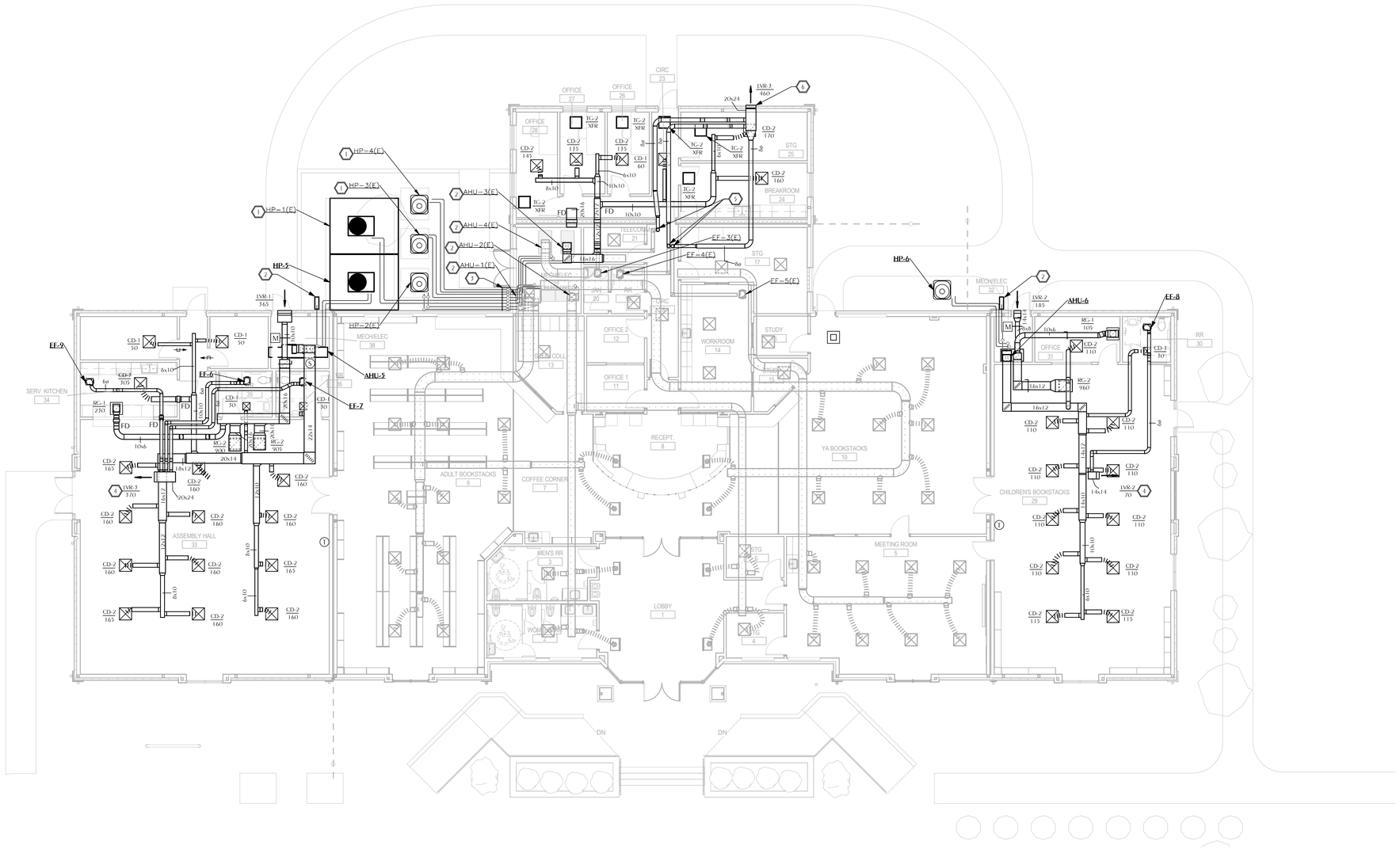
LEVEL 1 HVAC DEMOLITION PLAN

M-101

SHEET NOTES

1. EXISTING CONDENSING UNIT SHALL BE RELOCATED TO LOCATION SHOWN. ROUTE REFRIGERANT LINES AS SHOWN TO EXISTING AHU.
2. ROUTE CONDENSATE ABOVE GRADE TO DISCHARGE ABOVE ARCHITECTURAL SPLASH BLOCK.
3. PROVIDE STAINLESS STEEL OR GALVANIZED ALUMINUM CHASE FOR REFRIGERANT PIPING.
4. LOCATE LOUVER BEHIND ARCHITECTURAL LOUVER. COORDINATE ELEVATION OF LOUVER TO ALLOW CLEARANCE OF CONNECTING DUCTWORK AND TRUSSES. BLANK OFF REMAINDER OF ARCHITECTURAL LOUVER WITH RIGID INSULATION.
5. CONNECT TO EXISTING EXHAUST DUCTWORK.
6. COORDINATE ELEVATION OF LOUVER TO ALLOW CLEARANCE OF CONNECTING DUCTWORK AND TRUSSES.



LEVEL 1 HVAC PLAN

M-111 SCALE: 1/8" = 1'-0"

PROJECT NORTH / TRUE NORTH

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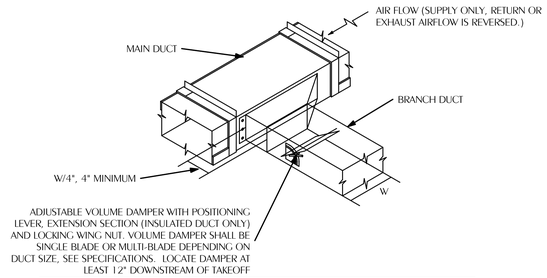
LEVEL 1 HVAC PLAN

M-111

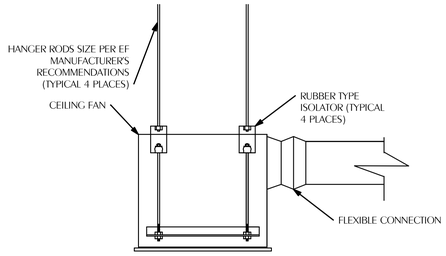


NOTES:

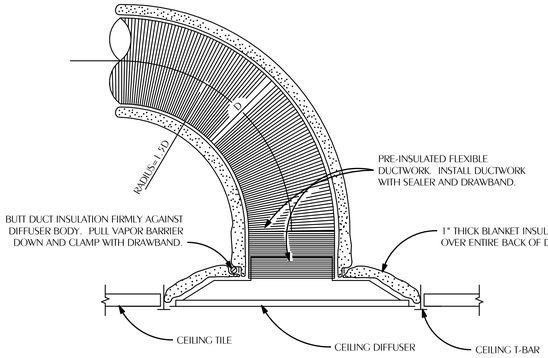
PROVIDE REMOTE CABLE ACTUATOR FOR AIR DEVICE IN HARD CEILINGS WITHOUT ACCESS. MOUNT ACTUATOR IN FACE OF AIR DEVICE.

FLEXIBLE INSULATION SHALL BE 2" THICK, ASTM C553, TYPE 1, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK)

1 TYPICAL BRANCH DUCT TAKEOFF
M-201 SCALE: NONE



2 CEILING FAN DETAIL
M-201 SCALE: NONE



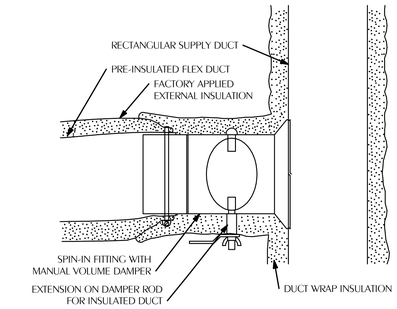
NOTES:

FLEX DUCT SHALL BE NO LONGER THAN 5'-0". FLEXIBLE DUCT SHALL HAVE REINFORCED, METALIZED POLYESTER JACKET WITH NO FIBERGLASS EROSION IN THE AIRSTREAM AND AN ENCAPUSLATED WIRE HELIX. FLEX DUCT SHALL HAVE OPERATING PRESSURE OF 6" W.G. AND NEGATIVE OPERATING PRESSURE OF 0.75" W.G. FLEX DUCT SHALL HAVE R-VALUE OF R-6 AND MEET REQUIREMENTS OF UL-181, 2023 FLORIDA ENERGY CODE, NFPA 90A AND NFPA 90B. ATCO 36 OR APPROVED EQUAL.

PROVIDE 24X24 LAY IN PANEL FOR DIFFUSERS IN LAY IN CEILINGS.

PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

3 TYPICAL CEILING DIFFUSER DETAILS
M-201 SCALE: NONE



NOTES:

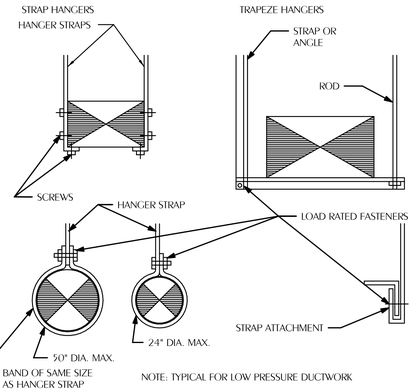
CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.

ROUND HARD DUCT RUNOUTS SHOULD START WITH SPIN-IN FITTINGS SIMILART TO THIS DETAIL.

PROVIDE REMOTE CABLE ACTUATOR FOR AIR DEVICE IN HARD CEILINGS WITHOUT ACCESS. MOUNT ACTUATOR IN FACE OF AIR DEVICE.

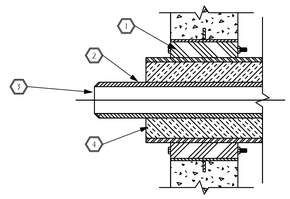
FLEXIBLE INSULATION SHALL BE 2" THICK, ASTM C553, TYPE 1, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK)

4 TYPICAL FLEX DUCT TAKEOFF DETAIL
M-201 SCALE: NONE



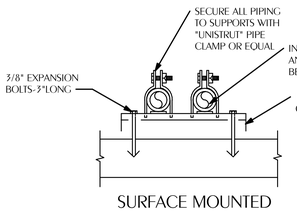
NOTE: TYPICAL FOR LOW PRESSURE DUCTWORK

5 TYPICAL DUCT HANGER DETAILS
M-201 SCALE: NONE

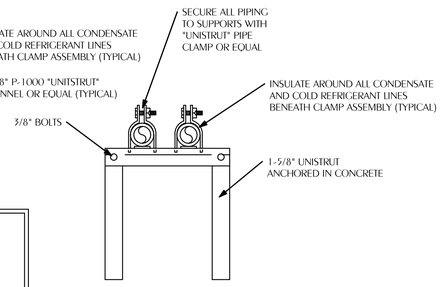


1. WALL SEAL APPURTENANCES PER SPECIFICATIONS
2. PIPE SLEEVE PER SPECIFICATIONS
3. PIPING
4. INSULATION

6 TYPICAL PIPE PENETRATION OF WALL
M-201 SCALE: NONE



SURFACE MOUNTED



SUPPORT ABOVE GRADE

NOTE:
PROVIDE FACTORY END CAPS FOR CHANNEL.

PROVIDE ALUMINUM JACKET BETWEEN INSULATION AND PIPE CLAMP AT ALL INDOOR LOCATIONS.

PROVIDE SMOOTH ALUMINUM JACKET OVER ALL EXPOSED OUTDOOR INSULATION.

PROVIDE SUPPORT AT INTERVALS REQUIRED BY THE FLORIDA BUILDING CODE.

7 TYPICAL EXTERIOR PIPING SUPPORT DETAIL
M-201 SCALE: NONE

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REVISIONS

NO.	DESCRIPTION	DATE

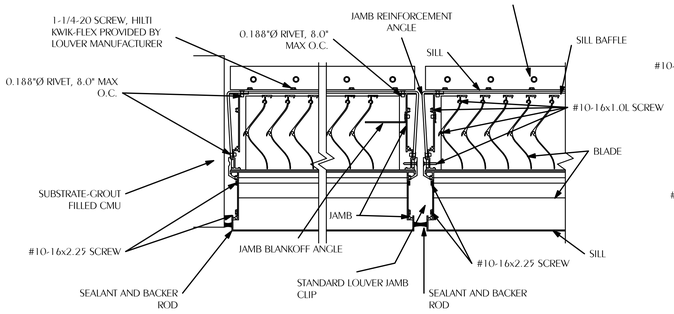
Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

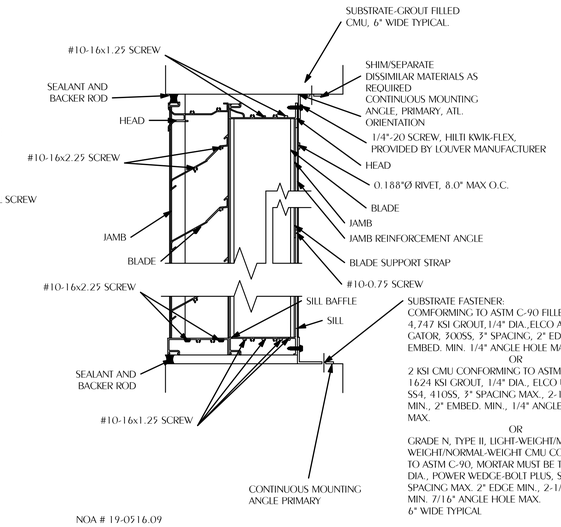
WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27825
Keith A. Johnson, PE
Florida License Number: 86457
850.526.3447
Project Number: 2024-101
Checked By: KAJ
Drawn By: JFG

HVAC DETAILS

M-201



SUBSTRATE FASTENER:
CONFORMING TO ASTM C-90 FILLED WITH 4,747 KSI GROUT, 1/4" DIA.,ELCO AGGRE-GATOR, 3005S, 3" SPACING, 2" EDGE MIN., 2" EMBED. MIN. 1/4" ANGLE HOLE MAX.
OR
2 KSI CMU CONFORMING TO ASTM C-90 WITH 1624 KSI GROUT, 1/4" DIA., ELCO ULTRACTION SS4, 410SS, 3" SPACING MAX., 2-1/2" EDGE MIN., 2" EMBED. MIN., 1/4" ANGLE HOLE MAX.
OR
GRADE N, TYPE II, LIGHT-WEIGHT/MEDIUM WEIGHT/NORMAL-WEIGHT CMU CONFORMING TO ASTM C-90, MORTAR MUST BE TYPE N,3/8" DIA., POWER WEDGE-BOLT PLUS, STEEL, 6" SPACING MAX. 2" EDGE MIN., 2-1/2" EMBED. MIN. 7/16" ANGLE HOLE MAX.
6" WIDE TYPICAL



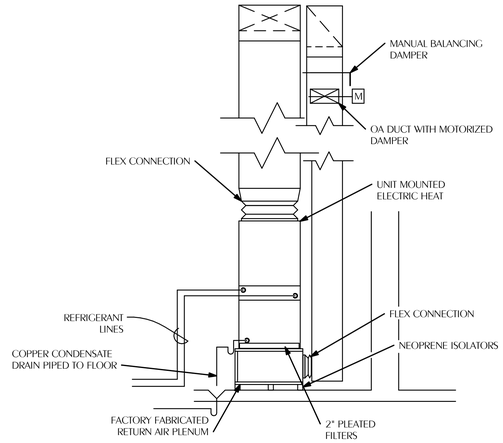
SUBSTRATE FASTENER:
CONFORMING TO ASTM C-90 FILLED WITH 4,747 KSI GROUT, 1/4" DIA.,ELCO AGGRE-GATOR, 3005S, 3" SPACING, 2" EDGE MIN., 2" EMBED. MIN. 1/4" ANGLE HOLE MAX.
OR
2 KSI CMU CONFORMING TO ASTM C-90 WITH 1624 KSI GROUT, 1/4" DIA., ELCO ULTRACTION SS4, 410SS, 3" SPACING MAX., 2-1/2" EDGE MIN., 2" EMBED. MIN., 1/4" ANGLE HOLE MAX.
OR
GRADE N, TYPE II, LIGHT-WEIGHT/MEDIUM WEIGHT/NORMAL-WEIGHT CMU CONFORMING TO ASTM C-90, MORTAR MUST BE TYPE N,3/8" DIA., POWER WEDGE-BOLT PLUS, STEEL, 6" SPACING MAX. 2" EDGE MIN., 2-1/2" EMBED. MIN. 7/16" ANGLE HOLE MAX.
6" WIDE TYPICAL

NOA # 19-0516.09

NOTES:

1. THE INSTALLATION SHOWN HEREIN MUST BE FOLLOWED STRICTLY TO ENSURE COMPLIANCE WITH FLORIDA BUILDING CODE PRODUCT APPROVAL.
2. CONTINUOUS INSTALLATION ANGLES AND FASTENERS ARE SHIPPED LOOSE AND REQUIRE INSTALLATION IN THE FIELD.
3. SHIMS MAY BE REQUIRED TO ACHIEVE CONSISTENT CLEARANCE BETWEEN LOUVER AND OPENING ON ALL SIDES.
4. INSTALLATION DETAIL IS BASED UPON GREENHECK MODEL 'EHV-901D', IF AN ALTERNATE MANUFACTURER'S LOUVER IS USED, IT MUST BE INSTALLED WITH ITS FLORIDA PRODUCT APPROVAL.

1 WALL LOUVER DETAIL
M-202 SCALE: NONE

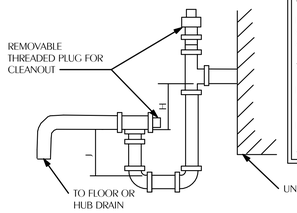


NOTES:
SECURE REFRIGERANT LINES AND CONDENSATE PIPING WITH UNISTRUT.

PROVIDE FACTORY FABRICATED RETURN AIR PLENUM OR ENGINEER APPROVED EQUAL WITH 2" FILTER FRAME.

SIZE COPPER CONDENSATE LINE AT FULL SIZE OF UNIT CONNECTION, BUT IN NO CASE SMALLER THAN 3/4".

2 VERTICAL UPFLOW AHU DETAIL
M-202 SCALE: NONE



NOTES:

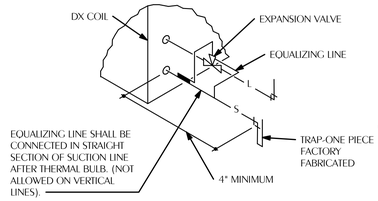
PIPE TYPE 'L' HARD DRAWN COPPER CONDENSATE LINE AT FULL SIZE OF UNIT CONNECTION, BUT IN NO CASE SMALLER THAN 3/4". CONDENSATE LINES SHALL BE INSULATED WITH 1/2" FLEXIBLE UNICELLULAR INSULATION.

LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.

H=AIR UNIT TOTAL STATIC PRESSURE +1"

I=H/2

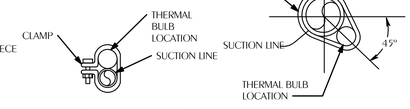
3 NEGATIVE PRESSURE CONDENSATE DRAIN TRAP
M-202 SCALE: NONE



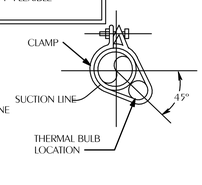
NOTES:

THERMOSTATIC BULB TO BE AS CLOSE TO COIL AS POSSIBLE. NOT ALLOWED ON VERTICAL LINES.

INSULATE REFRIGERANT LINES WITH 3/4" FLEXIBLE UNICELLULAR INSULATION.

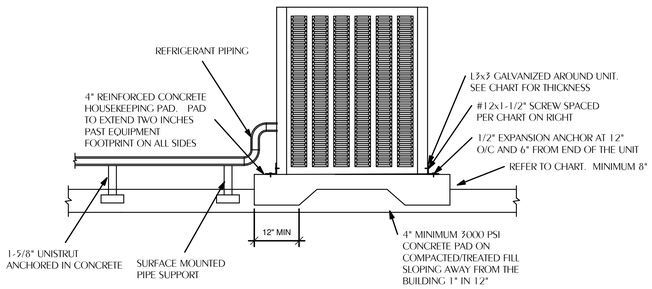


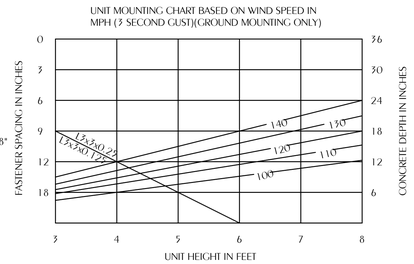
5/8" O.D. OR SMALLER



7/8" O.D. OR LARGER

4 REFRIGERANT COIL CONNECTION DETAIL
M-202 SCALE: NONE





DESIGN CRITERIA:

CODE:	ASCE 7-10
VELOCITY:	SEE BELOW
Kz:	0.70
Kzt:	1.00
Kd:	0.85
IMPORTANCE:	1.15
EXPOSURE:	B
Ci:	1.3
Gi:	0.85
qz:	
100 mph	17.52 psf
110 mph	21.20 psf
120 mph	25.22 psf
130 mph	29.60 psf
140 mph	34.33 psf
Pdesign:	
100 mph	19.36 psf
110 mph	23.42 psf
120 mph	27.87 psf
130 mph	32.71 psf
140 mph	37.94 psf

TYPICAL OUTDOOR MECHANICAL UNIT MOUNTING DETAIL
5 M-202 SCALE: NONE

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REVISIONS

NO.	DESCRIPTION	DATE

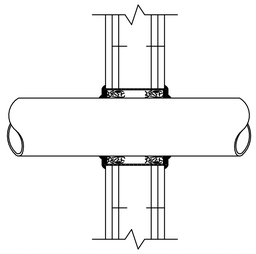
Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27825
Keith A. Johnson, PE
Florida License Number: 86457
850.526.3414
Project Number: 2024-101
Checked By: KAJ
Drawn By: JFG

HVAC DETAILS

M-202



CONSULT CURRENT UNDERWRITERS LABORATORIES, INC. "FIRE RESISTANCE DIRECTORY" FOR DETAILS.
UL SYSTEM WL1003

1. **WALL ASSEMBLY**—THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. **STUDS**—WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-1/2 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
   B. **WALLBOARD, GYPSUM***—NOM 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 15 IN.

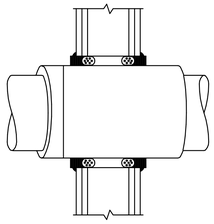
   THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. **THROUGH-PENETRANT**—ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE SPACE BETWEEN PIPES, CONDUITS OR TUBING AND THE STEEL SLEEVE (ITEM 3A) SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 2-3/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED.
   A. **STEEL PIPE**—NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. **IRON PIPE**—NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   C. **CONDUIT**—NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
   D. **COPPER TUBING**—NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. **COPPER PIPE**—NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. **FIRESTOP SYSTEM**—INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS.
   A. **STEEL SLEEVE**—CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.019 IN. THICK (NO. 28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 2 IN. LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1 TO 4 IN. SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROXIMATELY 1/2 TO 2 IN. BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.
   B. **PACKING MATERIAL**—MIN 1 IN. THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MIN 1/2 IN. FROM END OF STEEL SLEEVE (FLUSH WITH OR RECESSED INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.
   B1. **PACKING MATERIAL**—(NOT SHOWN)—AS AN ALTERNATE TO ITEM B, NOM 1 IN. THICK POLYETHYLENE BACKER ROD MAY BE USED. THE BACKER ROD IS TO BE RECESSED WITHIN THE STEEL SLEEVE A MIN OF 1 IN. FROM EACH SURFACE OF WALL.
   C. **FILL, VOID OR CAVITY MATERIALS*—CAULK**—WHEN MINERAL WOOL BATT INSULATION IS USED, APPLIED TO FILL THE STEEL SLEEVE TO A MIN DEPTH OF 1/2 IN. ON BOTH SIDES OF WALL ASSEMBLY. WHEN BACKER ROD IS USED, A MIN THICKNESS OF 1 IN. OF CP-25WB+ CAULK IS REQUIRED FLUSH WITH SURFACE OF WALL. A NOM 1/4 IN. DIAM CONTINUOUS BEAD OF CAULK SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.
   MINNESOTA MINING & MFG. CO.—CP 25WB+

*BEARING THE UL CLASSIFICATION MARKING

1 TYPICAL FIRE RATED WALL PENETRATION
M-301 SCALE: NONE



CONSULT CURRENT UNDERWRITERS LABORATORIES, INC. "FIRE RESISTANCE DIRECTORY" FOR DETAILS.
UL SYSTEM WL5011

1. **WALL ASSEMBLY**—THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALLASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.
   A. **STUDS**—WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 DEEP CHANNELS SPACED MAX 24 IN. OC.
   B. **WALLBOARD, GYPSUM***—NOM 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS AND 17 IN. FOR STEEL STUD WALLS.

   THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS 1 HR WHEN INSTALLED IN A 1 HR FIRE RATED WALL AND 2 HR WHEN INSTALLED IN A 2 HR FIRE RATED WALL.

2. **THROUGH PENETRANTS**—ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. **STEEL PIPE**—NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T RATING IS 1 HR.
   B. **CONDUIT**—NOM 3 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. WHEN STEEL CONDUIT IS USED, T RATING IS 1/4 HR.
   C. **COPPER TUBING**—NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. WHEN COPPER TUBING IS USED, T RATING IS 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.
   D. **COPPER PIPE**—NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. WHEN COPPER PIPE IS USED, T RATING IS 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.

3. **PIPE COVERING***—NOM 1 OR 1-1/2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORYAPPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENER STRIP TAPE SUPPLIED WITH THE PRODUCT.
   SEE **PIPE AND EQUIPMENT COVERINGS—MATERIALS**—(BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

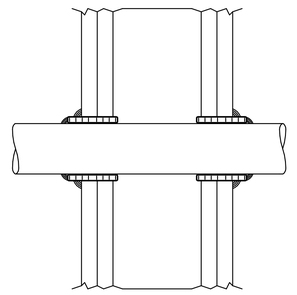
4. **STEEL SLEEVE**—CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.019 IN. THICK (NO. 28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 2 IN. LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1 IN. SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROX 1/2 IN. BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. THE DIAM OF THE OPENINGS CUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY (CONCENTRIC WITH PIPE) TO BE 2 TO 2-1/2 IN. LARGER THAN OUTSIDE DIAM OF PIPE INSULATION SUCH THAT, WHEN THE STEEL SLEEVE IS INSTALLED, A 1 TO 1-1/4 IN. ANNULAR SPACE WILL BE PRESENT BETWEEN THE STEEL SLEEVE AND THE PIPE INSULATION AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.

5. **PACKING MATERIAL**—POLYETHYLENE BACKER ROD OR MIN 1 IN. THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MIN 1 IN. FROM END OF STEEL SLEEVE (RECESSED MIN 1/2 IN. INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.

6. **FILL, VOID OR CAVITY MATERIALS*—CAULK**—MIN 1 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS ON BOTH SIDES OF WALL ASSEMBLY. THICKNESS FOR FILL MATERIAL FOR NOM 3 IN. DIAM (OR SMALLER) STEEL PIPES OR CONDUITS MAY BE REDUCED TO A MIN 1/2 IN. A NOM 1/4 IN. DIAM CONTINUOUS BEAD OF CAULK SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.

MINNESOTA MINING & MFG. CO.—CP 25WB+
*BEARING THE UL CLASSIFICATION MARKING

2 TYPICAL FIRE RATED WALL PENETRATION
M-301 SCALE: NONE



CONSULT CURRENT UNDERWRITERS LABORATORIES, INC. "FIRE RESISTANCE DIRECTORY" FOR DETAILS.
UL SYSTEM WL2003

1. **WALL ASSEMBLY**—THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.
   A. **STUDS**—WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
   B. **WALLBOARD, GYPSUM***—5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 3-1/8 IN.

2. **THROUGH PENETRANTS**—ONE NONMETALLIC PIPE OR CONDUIT TO BE CENTERED INTHE THROUGH OPENING. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 1/4 IN. AND MAX 3/8 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUITS MAY BE USED.
   A. **POLYVINYL CHLORIDE (PVC) PIPE**—NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.
   B. **RIGID NONMETALLIC CONDUIT++**—NOM 4 IN. DIAM (OR SMALLER)(SCHEDULE 40 OR 80) PVC CONDUIT INSTALLED IN ACCORDANCE WITH ARTICLE 347 OF THE NATIONAL ELECTRIC CODE (NFPA NO. 70).
   C. **CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE**—NOM 2 IN. DIAM (OR SMALLER) SDR17 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
   D. **CELLULAR CORE POLYVINYL CHLORIDE (CCPVC) PIPE**—NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.
   E. **ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE**—NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
   F. **CELLULAR CORE ACRYLONITRILE BUTADIENE STYRENE (CCABS) PIPE**—NOM 2 IN. DIAM (OR SMALLER) SCHEDULE 40 CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.

3. **FIRESTOP SYSTEM**—INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F AND T RATINGS FOR THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS.
   A. **FILL, VOID OR CAVITY MATERIALS*—WRAP STRIP**—NOM 1/4 IN. THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2 IN. WIDE STRIPS. NOM 2 IN. WIDE STRIP TIGHTLY WRAPPED AROUND NONMETALLIC PIPE (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX 1-1/4 IN. SUCH THAT APPROX 3/4 IN. OF THE WRAP STRIP PROTRUDES FROM THE WALL SURFACE.
   MINNESOTA MINING & MFG. CO.—FS-195+
   B. **FILL, VOID OR CAVITY MATERIALS*—CAULK OR PUTTY**—MIN 5/8 IN. THICKNESS OF CAULK OR PUTTY APPLIED INTO ANNULAR SPACE BETWEEN WRAP STRIP AND PERIPHERY OF OPENING. A NOM 1/4 IN. DIAM BEAD OF CAULK OR PUTTY TO BE APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYERS APPROX 3/4 IN. FROM THE WALL SURFACE. MINNESOTA MINING & MFG. CO.—CP 25WB+ CAULK OR MPS-2 + PUTTY. (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP-25 WB+ CAULK IS USED.)
   C. **FOIL TAPE**—(NOT SHOWN)—NOM 4 IN. WIDE, 3 MIL THICK ALUMINUM TAPE WRAPPED AROUND PIPE PRIOR TO THE INSTALLATION OF THE WRAP STRIP (ITEM 3A). MIN OF ONE WRAP, FLUSH WITH BOTH SIDES OF WALL AND PROCEEDING OUTWARD. TAPE IS NOT REQUIRED FOR PIPES SHOWN IN ITEMS 2A, 2B AND 2C.

*BEARING THE UL CLASSIFICATION MARKING

3 TYPICAL FIRE RATED WALL PENETRATION
M-301 SCALE: NONE

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Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

FIRE PENETRATION DETAILS

M-301

1. **FLOOR OR WALL ASSEMBLY**—MIN 2-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150) PCF CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED **CONCRETE BLOCKS***. MAX DIAM OF OPENING IS 18 IN. SEE **CONCRETE BLOCKS** (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

   1A. **STEEL SLEEVE**—NOM 10 IN. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 2 IN. ABOVE TOP OF FLOOR OR BEYOND EITHER SURFACE OF WALL. **T RATING IS 0 HR WHEN SLEEVE IS USED.**

2. **THROUGH PENETRANT**—NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE OR NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE CENTERED IN THE OPENING AND RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY.

3. **PIPE COVERING***—NOM 1/2 TO 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN. 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT STRIP TAPE SUPPLIED WITH THE PRODUCT. SEE PIPE AND EQUIPMENT COVERING—MATERIALS*(BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

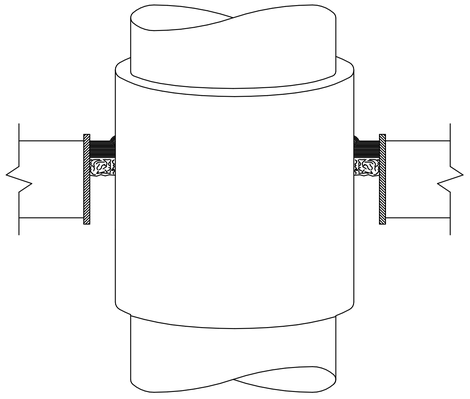
4. **FIRESTOP SYSTEM**—THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS:

   A. **PACKING MATERIAL**—MIN 1 IN. THICKNESS OF FIRMLY PACKED MINERAL WOOL BATT INSULATION USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR SLEEVE OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM B).
   B. **FILL, VOID OR CAVITY MATERIAL***—CAULK—APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH THE TOP SURFACE OF THE FLOOR OR SLEEVE OR FLUSH WITH BOTH SURFACES OF WALL. WHEN NOM PIPE COVERING THICKNESS IS 2 IN., MIN THICKNESS OF CAULK FILL MATERIAL IS 2 IN. WHEN NOM PIPE COVERING THICKNESS IS 1-1/2 IN. OR LESS, MIN THICKNESS OF CAULK FILL MATERIAL IS 1 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE THICKNESS OF THE FLOOR OR WALL, THE SIZE OF PIPE, THE THICKNESS OF PIPE COVERING MATERIAL AND THE SIZE OF THE ANNULAR SPACE (BETWEEN THE PIPE COVERING MATERIAL AND THE EDGE OF THE CIRCULAR THROUGH OPENING), AS SHOWN IN THE FOLLOWING TABLE:

MIN FLOOR OR WALL THKNS IN.	MAX PIPE DIAM IN.	NOM PIPE COVERING THKNS IN.	ANNULAR SPACE IN.	F RATING HR	T RATING HR
2-1/2	4	1 OR 1-1/2	1/2 TO 2-3/8	2	1
4-1/2	4	2	1/4 TO 3-5/8	2	1-1/2
2-1/2	12	1	1/2 TO 1-1/2	2	1/2
4-1/2	12	1	1/2 TO 2-3/8	3	1
2-1/2	12	1/2	1/2 TO 2-5/8	2	0

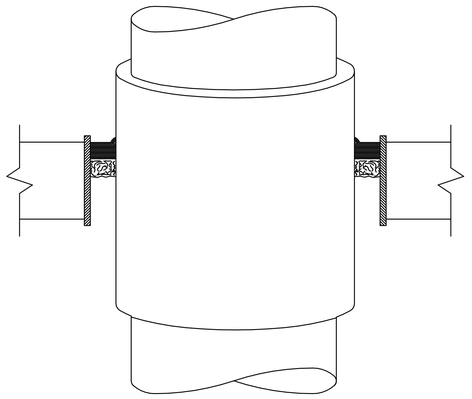
MINNESOTA MINING & MFG. CO.—CP 25WB+.

*BEARING THE UL CLASSIFICATION MARKING



CONSULT CURRENT UNDERWRITERS LABORATORIES, INC. "FIRE RESISTANCE DIRECTORY" FOR DETAILS.
UL SYSTEM CAJ5001

1 TYPICAL FIRE RATED WALL/FLOOR PENETRATION
M-302 SCALE: NONE



CONSULT CURRENT UNDERWRITERS LABORATORIES, INC. "FIRE RESISTANCE DIRECTORY" FOR DETAILS.
UL SYSTEM CAJ5060

2 TYPICAL FIRE RATED WALL/FLOOR PENETRATION
M-302 SCALE: NONE

1. **FLOOR OR WALL ASSEMBLY**—MIN 2-1/2 IN. THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED **CONCRETE BLOCKS***. F RATINGS AND T RATINGS ARE DEPENDENT ON THE MIN THICKNESS OF FLOOR OR WALL, AS WELL AS THE MAX SIZE OF THE PIPE AND THE NOM THICKNESS OF THE CELLULAR GLASS INSULATION, AS NOTED IN ITEM 3. MAX DIAM OF THROUGH OPENING IS 28-1/2 IN.
   SEE **CONCRETE BLOCKS** (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAME OF MANUFACTURERS.

   1A. **STEEL SLEEVE**—MAX 15 IN. ID (OR SMALLER), MIN 0.25 IN. WALL THICKNESS (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 2 IN. ABOVE TOP OF FLOOR OR BEYOND EITHER SURFACE OF WALL. T RATING IS 0 HR WHEN SLEEVE IS USED.

2. **THROUGH PENETRANTS**—ONE METALLIC PIPE OR TUBING TO BE POSITIONED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED.
   A. **STEEL PIPE**—NOM 20 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. **COPPER TUBING**—NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   C. **COPPER PIPE**—NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. **PIPE COVERING MATERIALS*—CELLULAR GLASS INSULATION**—NOM 1-1/2 TO 3 IN. THICK CELLULAR GLASS UNITS SIZED TO THE OUTSIDE DIAM OF THE STEEL PIPE AND SUPPLIED IN NOM 24 IN. LONG HALF SECTIONS OR NOM 18 IN. LONG SEGMENTS. PIPE INSULATION INSTALLED ON PIPE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. F RATINGS AND T RATINGS ARE DEPENDENT ON THE ITEMS NOTED IN THE FOLLOWING TABLE:

MIN FLOOR OR WALL THKNS IN.	MAX PIPE DIAM IN.	NOM GLASS INSUL THKNS IN.	F RATING HR	T RATING HR
2-1/2	6	1-1/2 AND 3	2	3/4
4-1/2	6	1-1/2	3	1
4-1/2	6	3	3	1-1/2
4-1/2	20	1-1/2	2	1/2
4-1/2	20	3	2	1

PITTSBURGH CORNING CORP.—FOAMGLAS

4. **PACKING MATERIAL**—MIN 1 IN. THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED MIN 1 IN. FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE CAULK FILL MATERIAL (ITEM 5).

5. **FILL, VOID OR CAVITY MATERIALS*—CAULK**—INSTALLED TO FILL ANNULAR SPACE TO A MIN DEPTH OF 1 IN., FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. A MIN 1/2 IN. DIAM BEAD OF CAULK SHALL BE APPLIED TO THE PIPE INSULATION/CONCRETE INTERFACE AT THE POINT CONTACT LOCATION ON THE TOP SURFACE OF THE FLOOR AND ON BOTH SIDES OF WALLS.
   MINNESOTA MINING & MFG. CO.—CP 25WB+

6. **METAL JACKET**—MIN 12 IN. LONG JACKET FORMED OF MIN 0.010 IN. THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MIN 2 IN. LAP AND SECURED USING BANDS AND SEALS OF SIMILAR MATERIAL. BANDS TO BE LOCATED WITHIN 2 IN. OF EACH END OF THE JACKET AND SPACED MAX 10 IN. OC. JACKET TO BE INSTALLED WITH EDGE ABUTING SURFACE OF CAULK FILL MATERIAL (ITEM 5) ON TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. METAL JACKET TO BE USED IN ADDITION TO ANY OTHER JACKETING MATERIAL WHICH MAY BE REQUIRED OR DESIRED ON THE PIPE INSULATION.

*BEARING THE UL CLASSIFICATION MARKING

VERTICAL INSTALLATION

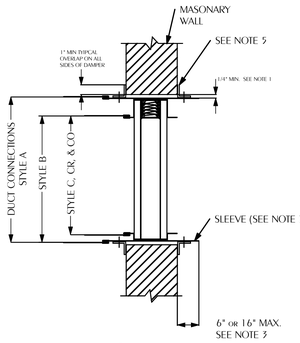
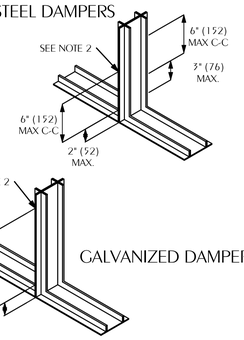


FIGURE 1

STAINLESS STEEL DAMPERS



GALVANIZED DAMPERS

FIGURE 2
1 1/2 HOUR

HORIZONTAL INSTALLATION

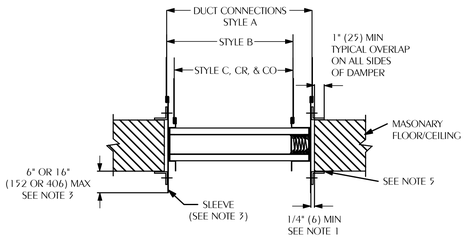


FIGURE 3

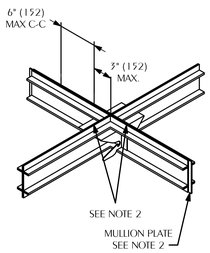


FIGURE 4
1 1/2 HOUR

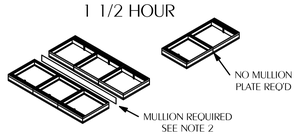
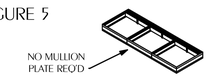


FIGURE 5



1. OPENING CLEARENCE
   THE OPENING IN THE WALL OR FLOOR SHALL BE LARGER THAN THE DAMPER/SLEEVE ASSEMBLY TO PERMIT INSTALLATION OR EXPANSION. FOR TWO ANGLE INSTALLATIONS THE OPENING SHALL BE A MINIMUM OF 1/8" PER FOOT (3 PER 305) LARGER THAN THE OVERALL SIZE OF THE DAMPER/SLEEVE ASSEMBLY. THE MAXIMUM OPENING SIZE SHALL NOT EXCEED 1/8" PER FOOT (3 PER 305) PLUS 2" (51), NOR SHALL THE OPENING BE LESS THAN 1/4" (6) LARGER THAN THE DAMPER/SLEEVE ASSEMBLY. FOR ONE ANGLE INSTALLATIONS, THE OPENING SHALL BE A MINIMUM OF 1/4" (6) TO A MAXIMUM OF 1" (25) LARGER THAN THE OVERALL SIZE OF THE DAMPER/SLEEVE ASSEMBLY. THE OPENING MAY BE AS MUCH AS 2" (51) LARGER THAN THE DAMPER/SLEEVE ASSEMBLY IF A 16GA (1.6) MOUNTING ANGLES IS UTILIZED.

2. FASTENERS AND MULTIPLE SECTION ASSEMBLY
   USE NO. 10 (M5) BOLTS OR SCREWS, 3/16" (5) RIVETS, TACK WELDS AS DEPICTED IN FIGURES 3 AND 4 SPACED AS FOLLOWS WHEN JOINING INDIVIDUAL DAMPERS TO MAKE MULTIPLE SECTION DAMPER ASSEMBLIES OR WHEN FASTENING DAMPER TO THE SLEEVE:

   VERTICAL MOUNT (IN WALL)
   GALVANIZED STEEL DAMPERS 12" (305) SPACING
   STAINLESS STEEL DAMPERS 6" (152) SPACING

   HORIZONTAL MOUNT (IN FLOOR)
   ALL DAMPERS 6" (152) SPACING

   MULTIPLE SECTION HORIZONTAL MOUNT DAMPERS REQUIRE A 14 GAGE THICK x 4-1/2" (2 x 114) WIDE STEEL REINFORCING PLATE SANDWICHED BETWEEN THE DAMPER FRAMES WITH 1/2" (13) LONG WELDS STAGGERED INTERMITTENTLY AND SPACED ON MAXIMUM 6" (152) CENTERS. THE REINFORCING PLATE MUST BE THE SAME MATERIAL AS THE DAMPERS. THE LENGTH MUST BE EQUAL TO THE DAMPER WIDTH OF TWO OR MORE ADJOINING DAMPER SECTIONS. REINFORCING PLATES ARE NOT REQUIRED FOR ASSEMBLIES CONSISTING OF TWO DAMPERS ATTACHED END-TO-END OR THREE DAMPERS ATTACHED SIDE-TO-SIDE AS DEPICTED IN FIGURE 5.

3. DAMPER SLEEVE
   SLEEVE THICKNESS MUST BE EQUAL TO OR THICKER THAN THE DUCT CONNECTED TO IT. SLEEVE REQUIRMENTS ARE LISTED IN THE SMACNA FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC SYSTEMS AND IN NFPA 90A. IF A BREAKAWAY STYLE DUCT/SLEEVE CONNECTION IS NOT USED, THE SLEEVE SHALL BE A MINIMUM OF 16 GAGE (1.6) FOR DAMPERS UP TO 36" (914) WIDE BY 24" (610) HIGH AND 14 GAGE (1.9) FOR DAMPERS EXCEEDING 36" (914) WIDE BY 24" (610) HIGH. DAMPER SLEEVE SHALL NOT EXTEND MORE THAN 6" (152) BEYOND THE FIRE WALL OR PARTITION UNLESS DAMPER IS EQUIPPED WITH A FACTORY INSTALLED ACCESS DOOR. SLEEVE MAY EXTEND UP TO 16" (406) BEYOND THE FIRE WALL OR PARTITION ON SIDES EQUIPPED WITH A FACTORY INSTALLED ACCESS DOOR. SLEEVE SHALL TERMINATE AT BOTH SIDES OF WALL WITHIN DIMENSIONS SHOWN.

4. DAMPER ORIENTATION
   USE "AIR FLOW" AND "MOUNT WITH ARROW UP" LABELS ON DYNAMIC DIBD AND DIBDX MODELS FOR PROPER DAMPER ORIENTATION. FOR STATIC IBD MODELS USE ONLY "MOUNT WITH ARROW UP" LABEL ON DAMPER ORIENTATION.

5. MOUNTING ANGLES
   MOUNTING ANGLES SHALL BE A MINIMUM OF 1-1/2" x 1-1/2" x 20 GAGE STEEL (38 x 38 x 1.0). FOR OPENINGS IN METAL STUD, WOOD STUD WALLS OR CONCRETE/MASONRY WALLS AND FLOORS OF SIZES 90" x 49" OR 49" x 90" (2286 x 1245 OR 1245 x 2286) AND LESS MOUNTING ANGLES ARE ONLY REQUIRED ON ONE SIDE OF THE WALL OR TOP SIDE OF THE FLOOR AND MUST BE ATTACHED TO BOTH THE SLEEVE AND THE WALL OR FLOOR. MOUNTING ANGLES MAY BE INSTALLED DIRECTLY TO THE METAL STUD UNDER THE WALL BOARD ON METAL STUD WALL INSTALLATIONS ONLY. LARGER OPENINGS REQUIRE MOUNTING ANGLES ON BOTH SIDES OF THE PARTITION AND MUST BE ATTACHED ONLY TO THE SLEEVE MOUNTING ANGLES MUST OVERLAP THE PARTITION A MINIMUM OF 1" (25). DO NOT WELD OR FASTEN ANGLES TOGETHER AT CORNERS OF DAMPERS. RUSKIN FIRE DAMPERS MAY BE INSTALLED USING RUSKIN FAST ANGLE FOR ONE ANGLE INSTALLATION OR RUSKIN PFMA FOR TWO ANGLE INSTALLATIONS.

   A. MOUNTING ANGLE FASTENERS
      SLEEVE: #10 BOLTS OR SCREWS, 3/16" (5) STEEL RIVETS OR 1/2" (13) LONG WELDS.
      MASONRY/WALL OR FLOOR: #10 SELF-TAPPING CONCRETE SCREWS.
      WOOD/STEEL STUD WALL: #10 SCREWS

   B. MOUNTING ANGLE FASTENERS SPACING
      FOR ONE ANGLE INSTALLATIONS THE SLEEVE FASTENERS SHALL BE SPACED AT 6" (152) O.C. AND THE WALL OR FLOOR FASTENERS SHALL BE SPACED AT 12" (305) O.C. WITH A MINIMUM OF 2 FASTENERS ON EACH SIDE, TOP AND BOTTOM. SCREW FASTENERS USED IN METAL STUD MUST ENGAGE THE METAL STUD A MINIMUM OF 1/2" (13). SCREW FASTENERS USED IN WOOD STUD MUST ENGAGE THE WOOD STUD A MINIMUM OF 3/4" (19). SCREW FASTENERS USED IN MASONRY WALLS OR FLOORS MUST ENGAGE THE WALL A MINIMUM OF 1-1/2" (38). FOR TWO ANGLE INSTALLATIONS THE FASTENERS SHALL BE SPACED AT 8" (203) O.C.

6. DUCT/SLEEVE CONNECTIONS
   A. BREAK-AWAY DUCT/SLEEVE CONNECTIONS
      RECTANGULAR DUCTS MUST USE ONE OR MORE OF THE CONNECTIONS: PLAIN "S" SLIP, DOUBLE "S" SLIP, INSIDE SLIP JOINT, STANDING "S", STANDING "S" (ANGLE REINFORCED), STANDING, STANDING "S" (BAR REINFORCED), STANDING "S" (ANGLE REINFORCED, OR DRIVE SLIP JOINT). A MAXIMUM OF TWO #10 SHEET METAL SCREWS ON EACH SIDE AND THE BOTTOM, LOCATED IN THE CENTER OF THE SLIP POCKET AND PENETRATING BOTH SIDES OF THE SLIP POCKET MAY BE USED. CONNECTIONS USING THESE SLIP JOINTS ON THE TOP AND BOTTOM WITH FLAT DRIVE SLIPS UP TO 20" (508) LONG ON THE SIDES MAY ALSO BE USED.

   B. ROUND AND OVAL BREAK-AWAY CONNECTIONS
      ROUND AND FLAT OVAL BREAK-AWAY CONNECTIONS MUST USE EITHER A 4" (102) WIDE DRAWBAND OR #10 SHEET METAL SCREWS SPACED EQUALLY AROUND THE CIRCUMFERENCE OF THE DUCT AS FOLLOWS:
      -DUCT DIAMETERS 22" (559) AND SMALLER - MAX. 3 SCREWS.
      -DUCT DIAMETERS OVER 22" (559) AND INCLUDING 36" (914) - MAX. 5 SCREWS
      -DUCT DIAMETERS OVER 36" (914) AND UP TO AND INCLUDING 191" (4851) TOTAL PERIMETER - MAX. 8 SCREWS. FOR FLAT OVAL DUCTS, THE DIAMETER IS CONSIDERED THE LARGEST (MAJOR) DIMENSION OF THE DUCT.
      NOTE: WHEN OPTIONAL SEALING OF THESE JOINTS IS DESIRED, THE FOLLOWING SEALENTS MAY BE APPLIED IN ACCORDANCE WITH THE SEALENT MANUFACTURER'S INSTRUCTIONS:

      HARDCAST, INC. - IRON GRIP 601 PRECISION - PA2084T
      ECO DUCT SEAL 44-52 DESIGN POLYMERICS - DP 1010

   C. FLANGED BREAK-AWAY STYLE DUCT SLEEVE CONNECTIONS
      FLANGED CONNECTION SYSTEMS MANUFACTURED BY DUCTMATE, NEXUS OR WARD ARE APPROVED BREAK-AWAY CONNECTIONS WHEN INSTALLED AS SHOWN ON THE FLANGED SYSTEM BREAKAWAY CONNECTIONS SUPPLEMENT. TDC AND TDF ROLL-FORMED FLANGED CONNECTIONS USING 3/8" (10) STEEL BOLTS AND NUTS, AND METAL CLEATS, AS TESTED BY SMACNA, ARE APPROVED BREAK-AWAY CONNECTIONS WHEN INSTALLED AS SHOWN ON THE FLANGED SYSTEM BREAKAWAY CONNECTIONS SUPPLEMENT.

   D. NON-BREAK-AWAY DUCT/SLEEVE CONNECTIONS
      IF OTHER DUCT SLEEVE CONNECTIONS ARE USED, THE SLEEVE SHALL BE A MINIMUM OF 16 GAGE (1.6) FOR DAMPERS UP TO 36" (914) WIDE x 24" (610) HIGH AND 14 GAGE (2.0) FOR DAMPERS EXCEEDING 36" (914) WIDE x 24" (610) HIGH.

7. INSTALLATION AND MAINTENANCE
   TO ENSURE OPTIMUM OPERATION AND PERFORMANCE, THE DAMPER MUST BE INSTALLED SO IT IS SQUARE AND FREE FROM RACKING. EACH FIRE DAMPER SHOULD BE MAINTAINED AND TESTED ON A REGULAR BASIS AND IN ACCORDANCE WITH THE LATEST EDITIONS OF NFPA 90A AND LOCAL CODES. CARE SHOULD BE EXERCISED TO ENSURE THAT SUCH TESTS ARE PERFORMED SAFELY AND DO NOT CAUSE SYSTEM DAMAGE.

TYPICAL HORIZONTAL AND VERTICAL FIRE DAMPER DETAIL
3 / M-302 SCALE: NONE

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	25014
Dated	09-16-2025

FIRE PENETRATION DETAILS

M-302

WATFORD ENGINEERING
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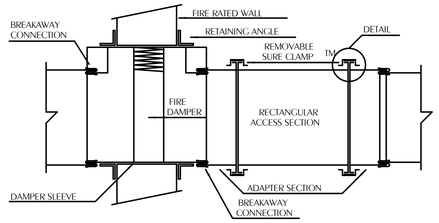
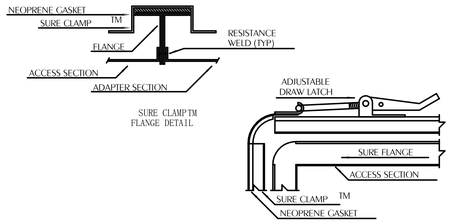
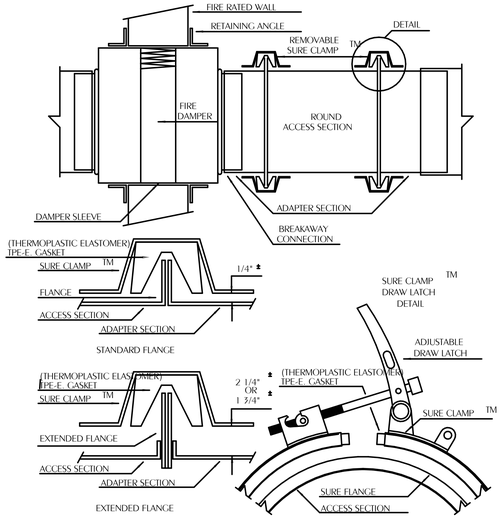
Florida CA Number: 27825
Keith A. Johnson, PE
Florida License Number: 86457
850.526.3447
Project Number: 2024-101
Checked By: KAJ
Drawn By: JFG





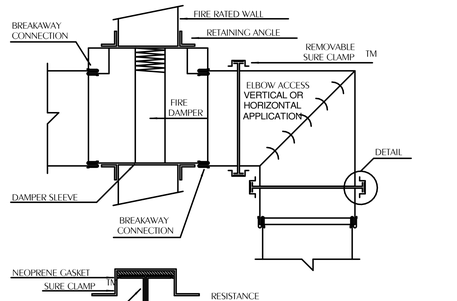
SURE • CLAMP ACCESS TM

RECTANGULAR REMOVABLE DUCTWORK SECTION
FIRE DAMPER ACCESS "NOT TO SCALE"



SURE • CLAMP ACCESS TM

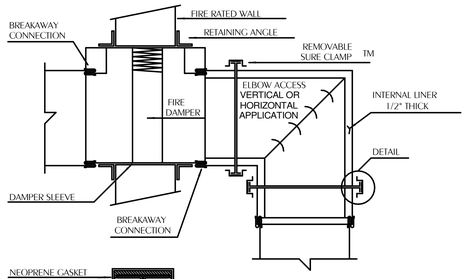
ROUND REMOVABLE DUCTWORK SECTION
FIRE DAMPER ACCESS "NOT TO SCALE"

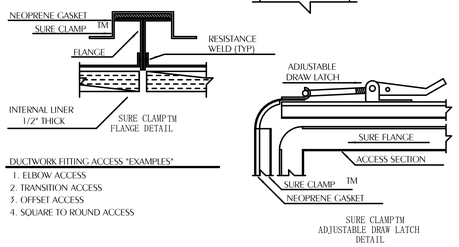


DUCTWORK FITTING ACCESS "EXAMPLES"
1. ELBOW ACCESS
2. TRANSITION ACCESS
3. OFFSET ACCESS
4. SQUARE TO ROUND ACCESS

SURE • CLAMP ACCESS TM

RECTANGULAR REMOVABLE DUCTWORK FITTING SECTION
FIRE DAMPER ACCESS "NOT TO SCALE"





DUCTWORK FITTING ACCESS "EXAMPLES"
1. ELBOW ACCESS
2. TRANSITION ACCESS
3. OFFSET ACCESS
4. SQUARE TO ROUND ACCESS

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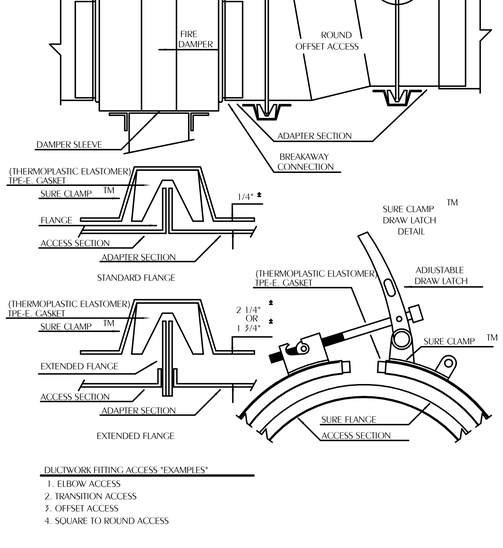
RECTANGULAR REMOVABLE DUCTWORK FITTING SECTION
FIRE DAMPER ACCESS INTERNAL LINER "NOT TO SCALE"



DUCTWORK FITTING ACCESS "EXAMPLES"
1. ELBOW ACCESS
2. TRANSITION ACCESS
3. OFFSET ACCESS
4. SQUARE TO ROUND ACCESS

SURE • CLAMP ACCESS TM

ROUND REMOVABLE DUCTWORK FITTING SECTION
FIRE DAMPER ACCESS "NOT TO SCALE"

PROVIDE REMOVABLE DUCTWORK SECTION PER DETAIL FOR ALL FIRE DAMPERS WHERE A MINIMUM 12"X12" DUCT ACCESS PANEL CAN NOT BE PROVIDED.

1 REMOVABLE DUCTWORK DETAILS
M-303 SCALE: NONE

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4452 Clinton Street Marianna, Florida 32446
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Keith A. Johnson, PE
Florida License Number: 86457
850.526.3447
Project Number: 2024-101
Checked By: KAJ
Drawn By: JFG

REMOVABLE DUCTWORK DETAILS

M-303

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO A/V DRAWINGS FOR REQUIRED RACEWAYS, EXACT SIZE, AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
2. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
3. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR AUDIO-VISUAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL 'AV' EQUIPMENT LOCATIONS TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
4. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
5. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
6. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
7. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
8. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE AUDIO-VISUAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
9. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
10. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE, 2020 NATIONAL ELECTRIC CODE AND 2023 FBC. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
11. OBTAIN ARCHITECTS/ENGINEER'S APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
12. TERMINATIONS FOR ALL EQUIPMENT SHOWN TO HAVE TEMPERATURE RATING OF 75deg C PER NEC 2011 ART. 110.14 & TABLE 310.15(B)(16).
13. WHERE USED, PROVIDE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN ACCORDANCE WITH NEC 210.4(B).
14. ALL SUBMITTALS MUST INCLUDE LISTING AND LABELING STATEMENT. EXAMPLE: ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL-LISTED BY A NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY. IF ANOTHER STATMENT IS USED, IT SHALL HAVE EQUIVALENT CONTENT TO THE ABOVE EXAMPLE.
15. ALL LIGHTING CONTROL SYSTEMS SHALL UNDERGO FUNCTIONAL TESTING UPON COMPLETION OF CONSTRUCTION TO VERIFY PROPER OPERATION, CALIBRATION, AND PROGRAMMING IN ACCORDANCE WITH SECTION C408.3 OF THE FLORIDA BUILDING CODE, ENERGY CONSERVATION. TESTING SHALL BE CONDUCTED TO ENSURE COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.

EXAMPLE DISCONNECT LABEL

FED FROM PANEL PC
208V, 3Ø
CKT #1,3,5

ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.

1 TYPICAL DISCONNECT LABELING DETAIL
E-001 SCALE: NONE

EXAMPLE PANELBOARD LABEL

PANEL PC
208Y/120V, 3Ø
FED FROM PANEL P2LB

ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.

2 TYPICAL PANELBOARD LABELING DETAIL
E-001 SCALE: NONE

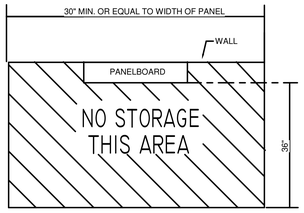
DEMOLITION NOTES

1. ALL EXISTING SYSTEMS AND CONDITIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXISTING ELECTRICAL CIRCUITS OF POWER, RECEPTACLES, LIGHTING, ETC, BEING REMOVED MAY NOT BE SHOWN ON THESE DOCUMENTS, BUT ARE TO BE REMOVED AS REQUIRED TO BUILD THIS PROJECT AND TO PERMIT NEW FINISHES, WALLS, ETC. THE CONTRACTOR SHALL FIELD-VERIFY ALL CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST AND SHALL PERFORM ANY ADDITIONAL WORK NECESSARY TO PERFORM THE WORK AS SHOWN AND SPECIFIED.
2. IF A DEVICE IS BEING REMOVED AND THE CIRCUIT FEEDS OTHER LOADS FROM THE DEVICE, THEN THE WIRING SHALL BE MADE CONTINUOUS TO THE REMAINING LOADS. NO CIRCUIT CONTINUITY SHALL BE LOST.
3. IF A DEVICE IS BEING REMOVED AND NOT PART OF A DEMO WALL, THAT LOCATION SHALL BE RESTORED TO MATCH ADJACENT SURFACE.
4. REMOVE ALL DISCONNECTS, WIRING, AND CONDUITS SERVING MECHANICAL EQUIPMENT BEING REMOVED OR RELOCATED.
5. CONTRACTOR TO REMOVE ALL CONDUITS, AND ASSOCIATED WIRING FROM DEVICES BEING REMOVED BACK TO PANEL UNLESS NOTED OTHERWISE. WHEN ALL LOADS ON EXISTING BREAKERS ARE REMOVED, RELABEL BREAKER AS 'SPARE'.

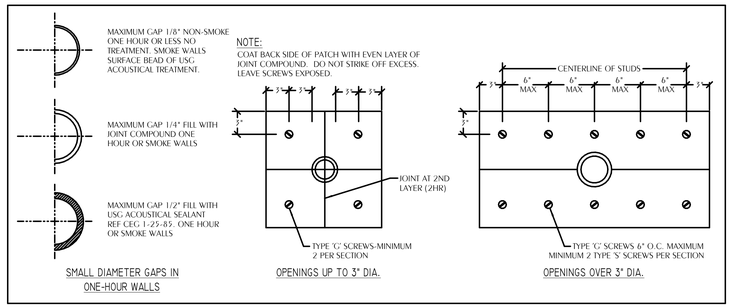
FIRESTOPPING NOTES

USE ONLY FIRESTOP PRODUCTS THAT HAVE BEEN UL 1479, ASTM E-814, OR UL 2079 TESTED FOR SPECIFIC FIRE RATED CONSTRUCTION CONDITIONS. THE CONDITIONS AND MATERIALS ARE SPECIFIED AS FOLLOWS:

1. FOR PENETRATIONS BY NON COMBUSTIBLE ITEMS USE 3M FIRE STOP SEALANT 2000 OR 3M FIRE BARRIER MOLDABLE PUDDY PADS MPP+.
2. FOR FIRE RATED CONSTRUCTION JOINTS AND OTHER GAPS USE 3M FIRESTOP SEALANT 2000.
3. FOR PENETRATIONS BY COMBUSTIBLE ITEMS USE 3M FIRE BARRIER CP25 WB OR 3M FIRE BARRIER FS 195 WRAP/STRIP.
4. FOR PENETRATIONS BY COMBUSTIBLE PLASTIC PIPE (OPEN PIPING SYSTEMS) USE 3M FIRE BARRIER PPO PLASTIC PIPE DEVICE.
5. FOR LARGE SIZE/COMPLEX PENETRATIONS USE 3M FIRESTOP FOAM 2001 OR 3M FIRE BARRIER CS 195 COMPOSITE SHEET.
6. FOR OPENINGS BETWEEN STRUCTURALLY SEPARATE SECTIONS OF WALL AND FLOORS USE 3M FIRE BARRIER CP 25 WB.



3 TYPICAL CLEARANCE AT ELECTRICAL PANELS
E-001 SCALE: NONE



4 FIRE WALL PENETRATIONS DETAIL
E-001 SCALE: NONE

-APPLIES TO ALL CORRIDOR, SMOKE AND FIRE RATED WALLS

ELECTRICAL LEGEND

CEILING OUTLETS

- 2'X4' RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT TYPICAL
- NL RECESSED 2' X 4' LED FIXTURE INSTALLED FOR CONTINUOUS OPERATION
- INDICATES FIXTURE WITH EMERGENCY UNIT BATTERY PACK
- 2'X SURFACE MOUNTED, RECESSED OR SUSPENDED LED FIXTURE MARK "A" AS NOTED
- 2'X SURFACE MOUNTED LED STRIP FIXTURE MARK "A" AS NOTED
- EXIT LIGHT
- JUNCTION BOX
- RECESSED/SURFACE MOUNT LIGHT
- NL RECESSED/SURFACE MOUNT LIGHT INSTALLED FOR CONTINUOUS OPERATION
- EF EXHAUST FAN

PANELS AND POWER

- 120/208 VOLT PANELBOARD
- EXISTING 120/208 VOLT PANELBOARD
- NON-FUSIBLE DISCONNECT SWITCH: XX'Y/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING

FIRE ALARM SYSTEM

- FA FIRE ALARM SYSTEM MANUAL PULL STATION; MT 48" AFF TO C/L
- FA FIRE ALARM SYSTEM SIGNAL HORN/STROBE; MT 80" AFF TO BOTTOM.
- WP FA WEATHERPROOF FIRE ALARM SYSTEM SIGNAL HORN; MOUNT 80" AFF TO BOTTOM
- FIRE ALARM SYSTEM STROBE; MT. 80" AFF TO BOTTOM.
- FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
- FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
- FIRE ALARM SYSTEM RACEWAY INSTALLED CONCEALED; ARROW INDICATES HOMERUN TO FIRE ALARM CONTROL PANEL
- FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN SUPPLY AIR DUCT
- FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN RETURN AIR DUCT
- R NORMALLY CLOSED RELAY IN H.V.A.C CONTROL CIRCUIT TO OPEN UPON ACTUATION OF BUILDING FIRE ALARM SYSTEM TO SHUT DOWN A/C UNIT. CONTACTS RATED 5 AMPS, 120 VOLTS.
- RI REMOTE INDICATOR LIGHT; FIELD-VERIFY EXACT LOCATION OF INSTALLATION
- H FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS; WHERE APPLICABLE, EC TO PROVIDE 120V POWER AT DEVICE
- FS FIRE ALARM SYSTEM FLOW SWITCH
- TS FIRE ALARM SYSTEM TAMPER SWITCH

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- S_3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- S_4 A.C. TYPE, 4-WAY, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- S_M MOTOR-RATED TOGGLE SWITCH; FIELD-VERIFY EXACT HT & LOCATION WITH EQUIPMENT INSTALLER
- S_R WALL MOUNTED OCCUPANCY SENSOR (PASSIVE-INFRARED) EQUAL TO WATTSTOPPER PW-100; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L
- S_{RD} WALL MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER DSW-100; DUAL TECHNOLOGY; MOUNT 48" AFF TO C/L; SET DELAY OFF TIME FOR 10 MINUTES (120/277V)
- S_{PS} 0-10V DIMMING W/ 50%, 75%, & 100% PRE-SETS WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED) EQUAL TO WATTSTOPPER PW-311; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. IF DIMMING IS DESIRED IN A SPACE, A SEPARATE 0-10V 2-WIRE CONTROL CIRCUIT (MIN. 18GA) TO BE INSTALLED FROM DEVICE TO ALL FIXTURES IN ASSOCIATED DIMMING ZONE (FIXTURES TO BE DAISY-CHAINED).
- S_{DS} 0-10V DIMMING W/ 50%, 75%, & 100% PRE-SETS WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED & ULTRASONIC) EQUAL TO WATTSTOPPER DW-311; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. IF DIMMING IS DESIRED IN A SPACE, A SEPARATE 0-10V 2-WIRE CONTROL CIRCUIT (MIN. 18GA) TO BE INSTALLED FROM DEVICE TO ALL FIXTURES IN ASSOCIATED DIMMING ZONE (FIXTURES TO BE DAISY-CHAINED).
- S_{AD} WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED & ULTRASONIC) EQUAL TO WATTSTOPPER DW-200; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L... W/ 50%, 75%, & 100% PRESETS. NOTE THAT FOR EACH LEVEL OF LIGHT, A SEPARATE SWITCH LEG IS REQUIRED TO BE INSTALLED.
- DL PHILLIPS SUNRISE 120/W ELECTRONIC WALL DIMMER (MODEL# SR1200ZTUNV). EC TO INSTALL 120V HOTLEG (LOAD SIDE OF OCCUPANCY SENSOR SWITCH) TO DIMMING MODULE AND FROM MODULE TO FIXTURE; IN ADDITION, INSTALL A 2-WIRE (#16 AWG) DIMMING CIRCUIT FROM DIMMER MODULE TO LIGHTING FIXTURE(S) TO BE CONTROLLED. WITHIN EACH ZONE, DIMMING CIRCUIT MAY BE DAISY-CHAINED AND NOT SEPARATE RUNS FROM MODULE TO EACH FIXTURE REQUIRED. IF OTHER-THAN-SPECIFIED MANUFACTURERS/FIXTURE TYPES FURNISHED, EC TO VERIFY THAT DIMMING MODULE SUPPLIED TO BE 100% COMPATIBLE WITH FIXTURES TO BE INSTALLED. MOUNT 48" AFF TO C/L. IF EMERGENCY EGRESS FIXTURES W/ BATTERY BACKUP ARE WITHIN ZONE OF CONTROL, INSTALL A SEPARATE NON-SWITCHED 120V HOTLEG FOR CONTINUAL CHARGING OF BATTERIES.

AUTOMATIC LIGHTING CONTROL SYSTEM

- 180° CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER DT-205 (LOW VOLTAGE); DUAL TECH-NOLOGY INFRARED AND ULTRASONIC, 2000 SQ FT COVERAGE; SEE CEILING MOUNTED MOTION DETECTOR DETAIL
- 360° CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER DT-355 (LINE VOLTAGE); DUAL TECH-NOLOGY INFRARED AND ULTRASONIC, 1000 SQ FT COVERAGE; SEE CEILING MOUNTED MOTION DETECTOR DETAIL
- P POWER PACK RELAY EQUAL TO WATTSTOPPER BZ-50 POWER PACK, SEE CEILING MOUNTED MOTION DETECTOR DEVICE TO BE MOUNTED ABOVE CEILING. (UNIVERSAL 100-277V)...20 AMP MAX. SWITCHING CAPABILITY CAPABILITY

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#12, 1#12 GROUND-1/2"C, 2 #12, 1 #12 GROUND - 1/2" C, 3#12, 1#12 GROUND - 1/2" C, ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPINDICULAR TO BUILDING LINES

TELEPHONE & TV SYSTEM

- WALL OUTLET - 4" SQ X 2-1/8" DEEP BOX @18" A.F.F. TO C/L OF DEVICE U.N.O.; INSTALL 3/4"C TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.
- C WALL OUTLET - 4" SQ X 2-1/8" DEEP BOX @ 6" ABOVE COUNTER TO C/L OF DEVICE U.N.O.; INSTALL 3/4"C TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.;
- C,H WALL OUTLET - 4" SQ X 2-1/8" DEEP BOX @ 6" HORIZONTALLY ABOVE COUNTER TO C/L OF DEVICE; INSTALL 3/4"C TO ACCESSIBLE LOCATION ABOVE CEILING; COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.
- CBB 3/4" (60" HIGH) TELEPHONE BACKBOARD EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
- TV TELEVISION CABLE WALL OUTLET - 4" SQ X 2-1/8" DEEP BOX; INSTALL 3/4"C TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC...MOUNT 18" A.F.F. TO C/L OF DEVICE U.N.O.

WALL OUTLETS

- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- T DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; 'TAMPER RESISTANT'
- GFI DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- H DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE. 'H' DENOTES DEVICE TO BE MOUNTED HORIZONTALLY
- WP DUPLEX WEATHERTIGHT(WEATHER RESISTANT (WR)) RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE. DEVICE MUST COMPLY WITH NEC 406.9
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT FLUSH IN CEILING
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT ADJACENT TO TELEVISION OUTLET AT SAME HEIGHT.
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- C,H DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- G,H DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER...HORIZONTALLY
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA GF-5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- H QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE 'H' DENOTES DEVICE TO BE MOUNTED HORIZONTALLY
- 240V RECEPTACLE - MOUNT 18" AFF UNLESS NOTED OTHERWISE; VERIFY TYPE REQUIRED WITH EQUIPMENT FURNISHED
- JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- SURFACE-MOUNTED JUNCTION BOX WITH BLANK SCREW COVER (UNLESS DEVICE SHOWN TO BE INSTALLED); SIZE OF BOX TO BE DETERMINED BY DEVICE BEING INSTALLED
- WALL MOUNTED EXIT LIGHT
- WALL MOUNTED LED FIXTURE
- WALL MOUNTED EMERGENCY UNIT BATTERY PACK
- WALL MOUNTED EXIT LIGHT/BATTERY PACK COMBO FIXTURE
- SIDEWALL PHOTOCELL EQUAL TO TORK #2101 (120V)

MISCELLANEOUS

- A.F.F. ABOVE FINISH FLOOR
- B.F.C. BELOW FINISHED CEILING
- E EXISTING

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NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number **25014**
Dated 09-16-2025

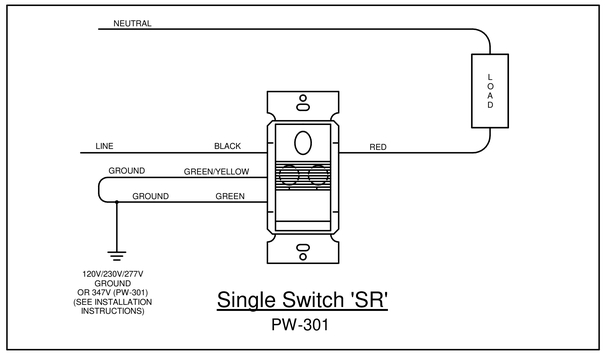
WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2024-101
Checked By: ALD
Drawn By: MBS

ELECTRICAL LEGEND, NOTES, & DETAILS

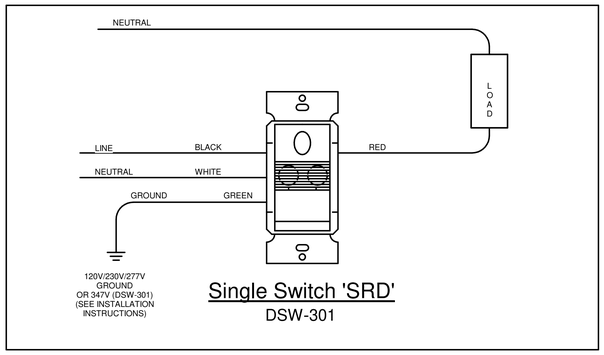
E-001

LIGHTING FIXTURE SCHEDULE

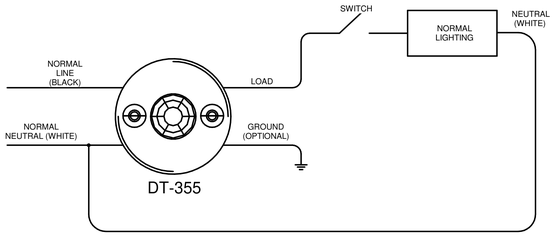
MARK	MANUFACTURER AND CATALOG NO.	LAMP TYPE	MOUNTING	REMARKS
BP	CHLORIDE #CLU2NW	1.5W LED	WALL @ 7'-6" AFF	BATTERY PACK EMERGENCY LIGHT, 120V
BPX BPXA	CHLORIDE #CLCNRW	1.5W LED	WALL @ 7'-6" AFF	BATTERY PACK/EXIT SIGN COMBO, SELF DIAGNOSTICS, 120V, PUNCH-OUTS TO SHOW DIRECTION DENOTED
LD6A	H.E. WILLIAMS #6DR-TL-L10-835-(L6)-DIM-UNV-OW-OF-CS-MWT-N-F1	6W 3500K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, 120V...
LD6B	H.E. WILLIAMS #6DR-TL-L10-835-DIM-UNV-OW-OF-CS-MWT-N-F1	8.7W 3500K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, 120V...
LDO	H.E. WILLIAMS #6DR-TL-L20-840-DIM-UNV-OW-OF-WH-AD-N-F1-WET/CC	19W 4000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, WET LOCATION LISTED, 120V
LDOE	H.E. WILLIAMS #6DR-TL-L20-840-DIM-UNV-OW-OF-WH-AD-N-F1-WET/CC	19W 4000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, WET LOCATION LISTED, 120V, W/ EMERG. BATTERY BACKUP
LFPA	H.E. WILLIAMS #BP-24-LS(3500L)/8CS(3500K)-DIM-UNV	29W 3500K LED	CEILING LAY-IN	2'X4' LED FLAT PANEL LAY-IN,STD 0-10V DIMMING, UNV VOLT
LFPB	H.E. WILLIAMS #BP-24-LS(4700L)/8CS(3500K)-DIM-UNV	39W 3500K LED	CEILING LAY-IN	2'X4' LED FLAT PANEL LAY-IN,STD 0-10V DIMMING, UNV VOLT
LFPC	H.E. WILLIAMS #BP-24-LS(5700L)/8CS(3500K)-DIM-UNV	48W 3500K LED	CEILING LAY-IN	2'X4' LED FLAT PANEL LAY-IN,STD 0-10V DIMMING, UNV VOLT
LSS	H.E. WILLIAMS 75-4-L50-835-7511-DRV-UNV-VBY(HANGARS)	44W 3500K LED	SUSPENDED	4' HIGH OUTPUT LED STRIP, 3500K, UNV, EC TO FURNISH CHAIN, FLD-CUT FOR DESIRED HEIGHT
WB	H.E. WILLIAMS #VWPH-L30-740-TFT-SDGL-DIM-UNV	27W 4000K LED	WALL MOUNTED	EXTERIOR WALLPACK, FINISH BY ARCH, 120V
WBE	H.E. WILLIAMS #VWPH-L30-740-TFT-SDGL-DIM-UNV-EM/10WC	27W 4000K LED	WALL MOUNTED	EXTERIOR WALLPACK, FINISH BY ARCH, 120V, W/ EMERG. BATTERY BACKUP
X/XA/ XC/XCA	CHLORIDE #CLXNRW	1 LED	CEILING/WALL MOUNT	THERMOPLASTIC LED EXIT SIGN, SELF DIAGNOSTICS, 120V, USE PUNCH-OUTS TO SHOW DIRECTIONAL...



Single Switch 'SR'
PW-301

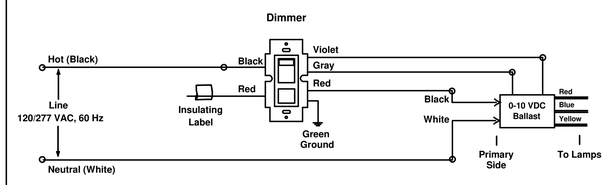


Single Switch 'SRD'
DSW-301

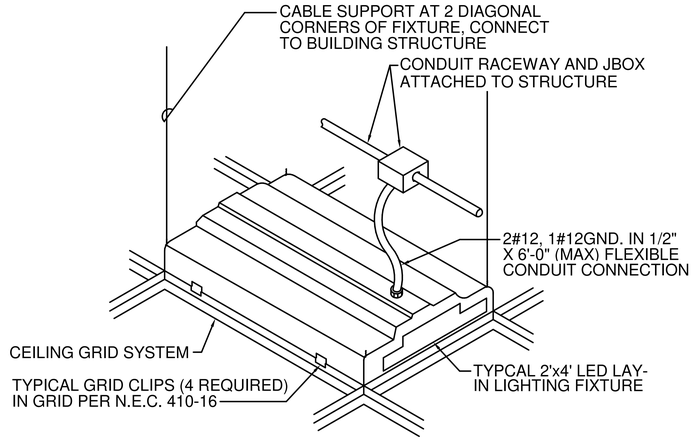


CEILING SENSOR 'D2'
DT-355

PHILIPS
SR1200ZTUNVV - Sunrise 0-10v



Wiring Diagram 1 : Single Location Control



1 / E-002 TYPICAL LAY-IN FIXTURE DETAIL
SCALE: NONE

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Project Number **25014**
Dated 09-16-2025

LIGHTING FIXTURE SCHEDULE AND DETAILS

E-002

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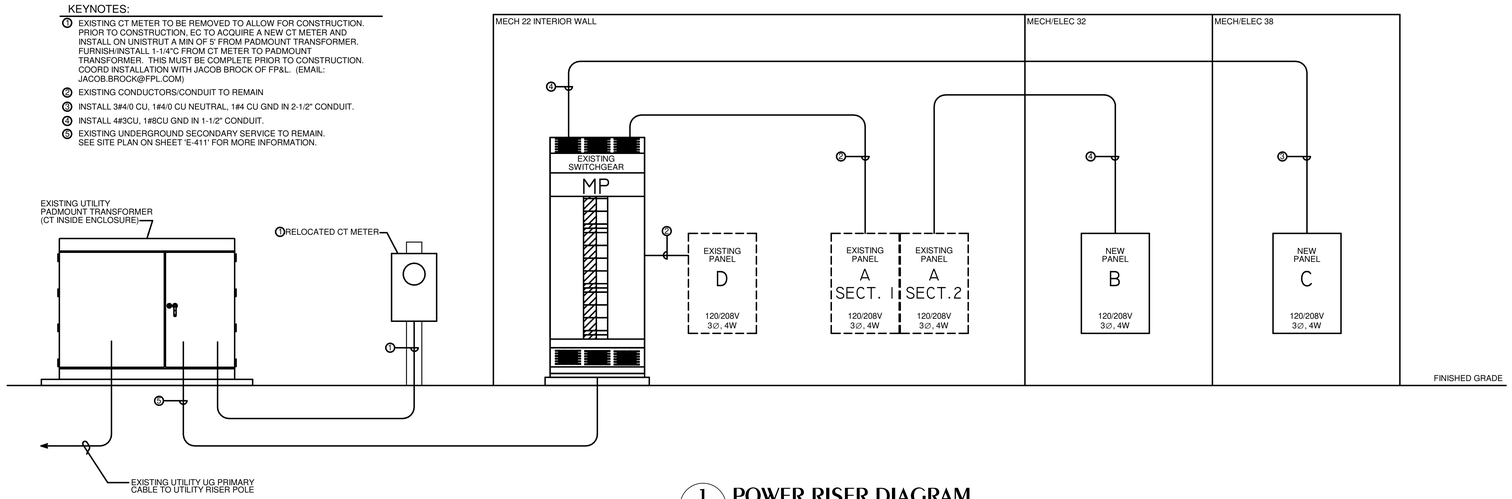
EC TO NOTE: PEAK DEMAND AS TAKEN FROM 12-MONTH HISTORY FROM FP&L UTILITY BILLS. PEAK DEMAND OF 40.2KW (117.7 AMPS)

KEYNOTES:

1. EXISTING CT METER TO BE REMOVED TO ALLOW FOR CONSTRUCTION. PRIOR TO CONSTRUCTION, EC TO ACQUIRE A NEW CT METER AND INSTALL ON UNISTRUT A MIN OF 5' FROM PADMOUNT TRANSFORMER. FURNISH/INSTALL 1-1/4"C FROM CT METER TO PADMOUNT TRANSFORMER. THIS MUST BE COMPLETE PRIOR TO CONSTRUCTION. COORD INSTALLATION WITH JACOB BROCK OF FP&L. (EMAIL: JACOB.BROCK@FPL.COM)
2. EXISTING CONDUCTORS/CONDUIT TO REMAIN
3. INSTALL 3#4/0 CU, 1#4/0 CU NEUTRAL, 1#4 CU GND IN 2-1/2" CONDUIT.
4. INSTALL 4#3CU, 1#8CU GND IN 1-1/2" CONDUIT.
5. EXISTING UNDERGROUND SECONDARY SERVICE TO REMAIN. SEE SITE PLAN ON SHEET 'E-411' FOR MORE INFORMATION.



1 POWER RISER DIAGRAM
E-003 SCALE: NONE

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Project Number	**25014**
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WATFORD ENGINEERING
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Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2024-101
Checked By: ALD
Drawn By: MBS

POWER RISER DIAGRAM AND DETAILS

E-003

Existing Switchgear: MP

Location: MECH/ELEC 22
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:
*EXISTING PANELBOARD 'MP' IS A EATON POW-R-LINEC PRL4B, 208Y/120V, 3ϕ, 4W, 800A MAIN BREAKER

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1				--			--						2
3	SPACE	--	3		--			--		3	--	SPACE	4
5						--			--				6
7				--			--						8
9	SPACE	--	3		--			--		3	--	SPACE	10
11						--			--				12
13				10.56...									14
15	EXISTING PANELBOARD 'A'	400 A	3		10.70...								16
17						7.50...							18
19				14.71...			0.00...						20
21	(SPARE) NEW PANELBOARD 'C'	225 A	3		18.83...			0.00...		3	225 A	SPARE	22
23						17.11...			0.00...				24
25				0.00...			--						26
27	EXISTING PANELBOARD 'D'	125 A	3		0.00...			--		3	--	SPACE	28
29						0.00...			--				30
31	SECURITY LIGHTS	20 A	1	0.00...			0.00...						32
33	SITE LIGHTS	20 A	2		0.00...			0.00...		3	60 A	HP-2	34
35						0.00...			0.00...				36
37				0.00...			0.00...						38
39	SPARE (IN 'OFF' POSITION)	80 A	3		0.00...			0.00...		3	80 A	AHU-2	40
41						0.00...			0.00...				42
43				0.00...			0.00...			1	20 A	CONTACTOR (IN 'OFF' POSITION)	44
45	TVSS	30 A	3		0.00...			0.00...		1	20 A	SPARE (IN 'OFF' POSITION)	46
47						0.00...			0.00...	1	20 A	SPARE (IN 'OFF' POSITION)	48
			Total Load:	25.27 kVA		29.53 kVA			24.61 kVA				
			Total Amps:	211 A		247 A			205 A				

Legend:

Notes:

*TOTAL CONNECTED LOAD INCREASED SLIGHTLY FROM PREVIOUS TOTAL

Existing Branch Panel: D

Location: MECH/ELEC 22
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A
MCB Rating: 225 A

Notes:
*EXISTING PANELBOARD 'D' IS A EATON PRL1A, 208Y/120V, 3ϕ, 4W, 225A MAIN LUG ONLY

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	STUDY	20 A	1	0.00			0.00			1	20 A	PRESCHOOL AREA	2
3	TELECOM ROOM	20 A	1		0.00			0.00		1	20 A	FLOOR, YOUNG ADULT AREA	4
5	COMPUTER STATIONS	20 A	1			0.00			0.00	1	20 A	READING CORNER, W. WALL	6
7	TELECOM ROOM	20 A	1	0.00			0.00			1	20 A	FLOOR, READING CORNER	8
9	NONFICTION	20 A	1		0.00			0.00		1	20 A	FLOOR, GRADE SCHOOL AREA	10
11	MEETING ROOM	20 A	1			0.00			0.00	1	20 A	FLOOR, GRADE SCHOOL AREA	12
13	MEETING ROOM	20 A	1	0.00			0.00			1	20 A	FLOOR, CIRCULATION AREA	14
15	OFFICE & WORK ROOM	20 A	1		0.00			0.00		1	20 A	COMPUTER STATIONS	16
17	FLOOR, POPULAR AREA	20 A	1			0.00			0.00	1	20 A	COMPUTER STATIONS	18
19	WORKROOM, COMP DESK	20 A	1	0.00			0.00			1	20 A	FLOOR, NONFICTION AREA	20
21	SPECIAL CONNECTION	20 A	1		0.00			0.00		1	20 A	MEETING ROOM	22
23	COMPUTER STATIONS	20 A	1			0.00			0.00	1	20 A	FLOOR, CIRCULATION AREA	24
25	FLOOR, POPULAR AREA	20 A	1	0.00			0.00			1	20 A	LOBBY	26
27	FLOOR, NONFICTION	20 A	1		0.00			0.00		1	20 A	FLOOR - CIRCULATION AREA	28
29	SPARE	20 A	1			0.00			0.00	1	20 A	CIRCULATION DESK	30
31	SPACE	--	1	--			0.00			1	20 A	FLOOR, WORKROOM	32
33	EXISTING CIRCUIT	30 A	1		0.00			0.00		1	30 A	TELEPHONE BACKBOARD	34
35	EXISTING CIRCUIT	20 A	1			0.00			0.00	1	20 A	SPARE	36
37	SPACE	--	1	--			0.00			1	20 A	COMPUTER STATIONS	38
39	EXISTING CIRCUIT	20 A	1		0.00			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42
			Total Load:	0.00 kVA			0.00 kVA			0.00 kVA			
			Total Amps:	0 A			0 A			0 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

Existing Branch Panel: A SECT. 1

Location: MECH/ELEC 22
Supply From: MP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000A
Mains Type: MLO
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
*EXISTING PANELBOARD 'A SEC 1' IS A EATON PRL1A, 208Y/120V, 3ϕ, 4W, 400A MAIN LUG ONLY

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	LTS-MECH. RM, AV, BOARD	20 A	1	0.00			0.00			1	20 A	REC-BREAK, YOUNG ADULT, OUTSIDE GFI	2
3	LTS-TELECOM, RESTROOMS	20 A	1		0.00			0.00		1	20 A	BOOK DETECTOR - BACK	4
5	LTS-OFFICE AREA	20 A	1			0.00			0.00	1	20 A	REC-VENDING	6
7	LTS-SOFFIT CANS E	20 A	1	0.00			0.00			1	20 A	REC-VENDING	8
9	LTS-PRESCHOOL AREA	20 A	1		0.00			0.00		1	20 A	REC-VENDING	10
11	LTS-GRADE SCHOOL AREA	20 A	1			0.00			0.00	1	20 A	REC-STORAGE, MEETING RM. AREA	12
13	LTS-MEETING RM	20 A	1	0.00			0.00			1	20 A	REC-WATER COOLER	14
15	LTS-MEETING RM	20 A	1		0.00			0.00		1	20 A	REC-PUBLIC RESTROOMS, COFFEE	16
17	LTS-CIRCULATION DESK	20 A	1			0.00			0.00	1	20 A	REC-NON-FICTION	18
19	LTS-TRACK LTS ENTRY	20 A	1	0.00			0.00			1	20 A	REC-BOARD ROOM	20
21	LTS-STRIPS ENTRY	20 A	1		0.00			0.00		1	20 A	REC-MECH. RM, OUTSIDE GFI	22
23	LTS-RESTROOMS, VENDING	20 A	1			0.00			0.00	1	20 A	BATHROOM, AV	24
25	LTS-NON-FICTION	20 A	1	0.00			0.00			1	20 A	REC-BREAK ROOM, OFFICE	26
27	LTS-POPULAR AREA	20 A	1		0.00			0.00		1	20 A	REC-CIRCULATION	28
29	LTS-SOFFIT CANS W	20 A	1			0.00			0.00	1	20 A	BOOK DETECTOR - FRONT	30
31				0.00			0.00						32
33	HP-1	20 A	3		0.00			0.00		2	40 A	AHU-4	34
35						0.00			0.00				36
37				0.00			0.00			2	40 A	AHU-3	38
39	HP-3	35 A	3		0.00			0.00					40
41						0.00			0.00		60 A	AHU-1	42
			Total Load:	10.56 kVA		10.70 kVA			7.50 kVA				
			Total Amps:	92 A		93 A			62 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	5213 VA	100.00%	5213 VA		
Other	12963 VA	100.00%	12963 VA	**Total Conn. Load:**	28752 VA
Receptacle	9280 VA	100.00%	9280 VA	**Total Est. Demand:**	28814 VA
Power	1047 VA	100.00%	1047 VA	**Total Conn.:**	80 A
Lighting	249 VA	125.00%	311 VA	**Total Est. Demand:**	80 A

Notes:

Existing Branch Panel: A SECT. 2

Location: MECH/ELEC 22
Supply From: A SECT. 1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating: 400 A

Notes:
*EXISTING PANELBOARD 'A SEC 2' IS A EATON PRL1A, 208Y/120V, 3ϕ, 4W, 400A MAIN LUG ONLY

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
43	EXISTING SPACE	--	1	--									44
45	EXISTING SPACE	--	1		--		0.00						46
47	EXISTING WATER HEATER	30 A	2			0.00		0.00		3	25 A	EXISTING HP-4	48
49				0.00			0.90						50
51	EXISTING SPARE (IN 'OFF' POSITION)	20 A	1		0.00			0.90		1	20 A	(SPARE (IN 'OFF' POSITION)) REC-OFFICE...	52
53	EXISTING REC-COPIER	20 A	1			0.00			0.00	1	20 A	EXISTING FIRE ALARM PANEL	54
55	EXISTING CIRCUIT	20 A	1	0.00			1.08			1	20 A	(SPARE (IN 'OFF' POSITION))REC-OFFICE 26/CIRC...	56
57	EXISTING SPARE (IN 'OFF' POSITION)	20 A	1		0.00			0.54		1	20 A	(SPARE (IN 'OFF' POSITION)) REC-STG...	58
59	EXISTING SPARE (IN 'OFF' POSITION)	20 A	1			0.00			0.54	1	20 A	(SPARE (IN 'OFF' POSITION)) REFRIGERATOR...	60
61	EXISTING SPARE (IN 'OFF' POSITION)	20 A	1	0.00			0.36			1	20 A	(SPARE (IN 'OFF' POSITION)) REC-BREAKROOM 24	62
63	EXISTING SPACE	--	1		--			1.18		1	20 A	(SPARE (IN 'OFF' POSITION)) FOOD DISPOSAL...	64
65	EXISTING SPACE	--	1			--			0.36	1	20 A	(SPARE (IN 'OFF' POSITION)) REC-BREAKROOM 24	66
67	EXISTING SPACE	--	1	--			0.72			1	20 A	(SPARE (IN 'OFF' POSITION)) DISHWASHER...	68
69	EXISTING SPACE	--	1		--			0.45		1	20 A	(SPARE (IN 'OFF' POSITION)) LTS-INTERIOR	70
71	EXISTING SPACE	--	1			--			--	1	--	EXISTING SPACE	72
73	EXISTING SPACE	--	1	--			--			1	--	EXISTING SPACE	74
75	EXISTING SPACE	--	1		--			--		1	--	EXISTING SPACE	76
77	EXISTING SPACE	--	1			--			--	1	--	EXISTING SPACE	78
79				7.50			--			1	--	EXISTING SPACE	80
81	(EXISTING SPACE) NEW PANELBOARD 'B'	100 A	3		7.63			--		1	--	EXISTING SPACE	82
83						6.60			--	1	--	EXISTING SPACE	84
			Total Load:	10.56 kVA		10.70 kVA			7.50 kVA				
			Total Amps:	92 A		93 A			62 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	5213 VA	100.00%	5213 VA		
Other	12963 VA	100.00%	12963 VA	**Total Conn. Load:**	28752 VA
Receptacle	9280 VA	100.00%	9280 VA	**Total Est. Demand:**	28814 VA
Power	1047 VA	100.00%	1047 VA	**Total Conn.:**	80 A
Lighting	249 VA	125.00%	311 VA	**Total Est. Demand:**	80 A

Notes:
1. EC TO FURNISH HANDLE 'LOCK-ON' KIT FOR EXISTING BREAKER
2. EC TO FURNISH/INSTALL NEW BREAKER

*TOTAL CONNECTED LOAD INCREASED SLIGHTLY FROM PREVIOUS TOTAL

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WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2024-101
Checked By: ALD
Drawn By: MBS

PANEL SCHEDULES

E-004

Branch Panel: B

Location: MECH/ELEC 32
Supply From: A SECT. 2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1				4.32			0.54			1	20 A	REC-MECH/ELEC 32/OFFICE 31/RR 30	2
3	AHU-6	45 A	3		4.32			0.72		1	20 A	REC-OFFICE 31	4
5						4.32			0.54	1	20 A	REC-CHILDREN'S BOOKSTACKS 29	6
7				1.74			0.90			1	20 A	REC-CHILDREN'S BOOKSTACKS 29	8
9	HP-6	30 A	3		1.74			0.85		1	20 A	LTS-INTERIOR	10
11						1.74			0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	14
15	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	16
17	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	18
19	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	26
27	SPACE	--	1		--			--		1	--	SPACE	28
29	SPACE	--	1			--			--	1	--	SPACE	30
31	SPACE	--	1	--			--			1	--	SPACE	32
33	SPACE	--	1		--			--		1	--	SPACE	34
35	SPACE	--	1			--			--	1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--			--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42
			Total Load:	7.50 kVA		7.63 kVA		6.60 kVA					
			Total Amps:	64 A		65 A		55 A					

Legend:

Notes:
1) HACR RATED BREAKER; VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED

Branch Panel: C

Location: MECH/ELEC 38
Supply From: MP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1				7.49			0.36			1	20 A	REC-SERV. KITCHEN 34	2
3	AHU-5	80 A	3		7.49			1.00		1	20 A	MICROWAVE SERV. KITCHEN 34	4
5						7.49			0.18	1	20 A	REC-SERV. KITCHEN 34	6
7				3.36			0.54			1	20 A	REFRIGERATOR SERV. KITCHEN 34	8
9	HP-5	45 A	3		3.36			0.18		1	20 A	REC-SERV. KITCHEN 34	10
11						3.36			0.18	1	20 A	REC-SERV. KITCHEN 34	12
13				1.50			1.08			1	20 A	REC-MECH/ELEC 38/RR 35/RR 36	14
15	EWH-1	20 A	3		1.50			0.72		1	20 A	REC-ASSEMBLY HALL 33	16
17						1.50			0.90	1	20 A	REC-ASSEMBLY HALL 33/EXTERIOR	18
19	CP-1	20 A	1	0.18			0.20			1	20 A	MOTORIZED SCREEN	20
21	RANGE	50 A	2		3.50			1.08		1	20 A	LTS-INTERIOR	22
23						3.50			0.00	1	20 A	SPARE	24
25	SPACE	--	1	--			0.00			1	20 A	SPARE	26
27	SPACE	--	1		--			0.00		1	20 A	SPARE	28
29	SPACE	--	1			--			0.00	1	20 A	SPARE	30
31	SPACE	--	1	--			0.00			1	20 A	SPARE	32
33	SPACE	--	1		--			0.00		1	20 A	SPARE	34
35	SPACE	--	1			--			0.00	1	20 A	SPARE	36
37	SPACE	--	1	--			0.00			1	20 A	SPARE	38
39	SPACE	--	1		--			0.00		1	20 A	SPARE	40
41	SPACE	--	1			--			0.00	1	20 A	SPARE	42
			Total Load:	14.71 kVA		18.83 kVA		17.11 kVA					
			Total Amps:	123 A		160 A		146 A					

Legend:

Notes:
1) HACR RATED BREAKER; VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED
2) FURNISH GFCI BREAKER

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Florida License Number: 57419
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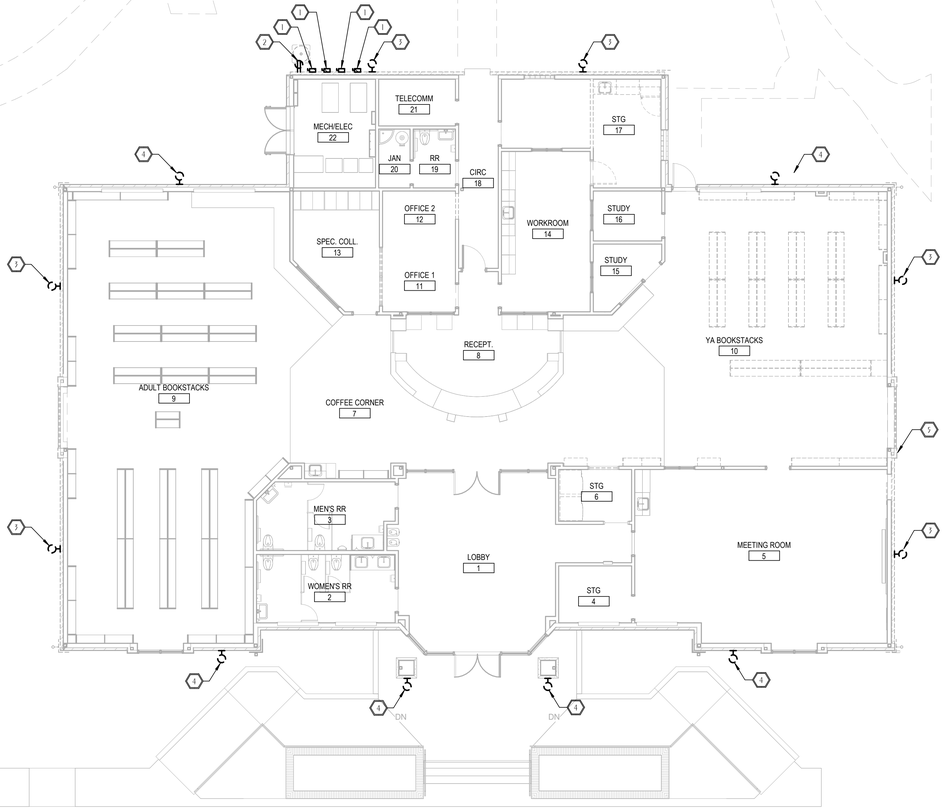
Project Number: 2024-101
Checked By: ALD
Drawn By: MBS

PANEL SCHEDULES

E-005

SHEET NOTES

1. EXISTING DISCONNECT TO BE REMOVED. EC TO REMOVE ENTIRE CIRCUIT BACK TO PANEL. SEE NEW WORK ON SHEET 'E-111' FOR MORE INFORMATION.
2. REMOVE EXISTING WEATHERPROOF RECEPTACLE. REMOVE CIRCUIT BACK TO PANEL. COVER OPENING WITH BLANK COVER PLATE, OR COORDINATE WITH NEW WALL CONSTRUCTION. IF RECEPTACLE SHARES CIRCUIT WITH OTHER DEVICES, REMOVE CIRCUIT BACK TO NEAREST DEVICE AND MAINTAIN CONTINUITY FOR THE REMAINING PORTION OF THE CIRCUIT.
3. EXISTING EXTERIOR WALL PACK LIGHTING FIXTURE TO BE REMOVED TO MAKE WAY FOR NEW BUILDING ADDITION. REMOVE CIRCUIT BACK TO PANEL OR NEAREST DEVICE IF CIRCUIT IS SHARED WITH DEVICES TO REMAIN. SEE NEW WORK ON SHEET 'E-211'.
4. EXISTING EXTERIOR WALL PACK LIGHTING FIXTURE TO BE REPLACED WITH NEW FIXTURE IN EXISTING LOCATION. SEE NEW WORK ON SHEET 'E-211'.
5. EXISTING EXTERIOR SPEAKER/INTERCOM TO BE REMOVED ALONG WITH ALL ASSOCIATED CALL BUTTONS AND WIRING. COORDINATE WITH GC TO PATCH WALL OPENING TO MATCH ADJACENT.



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

PROJECT NORTH / TRUE NORTH

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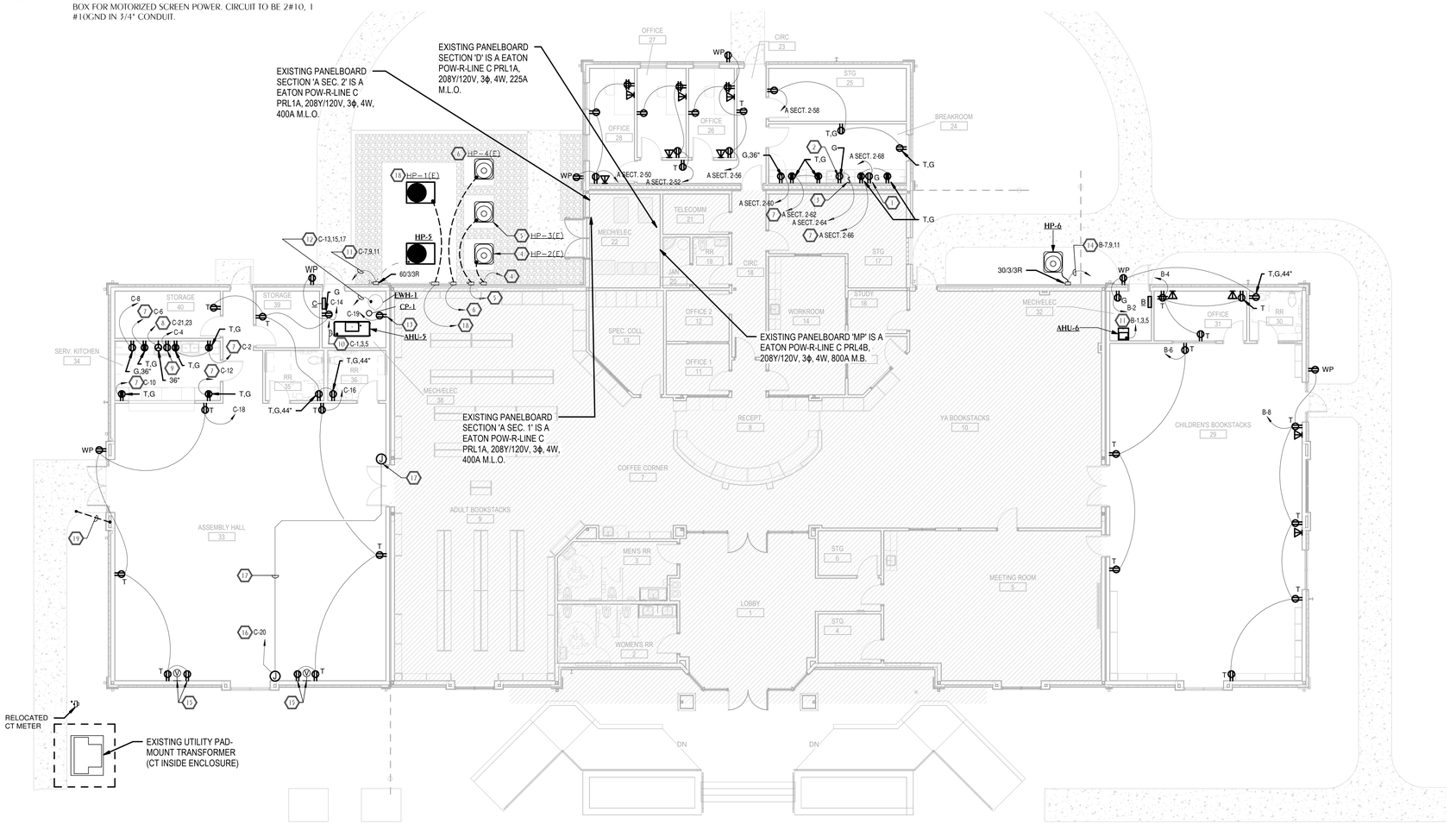
ELECTRICAL DEMOLITION PLAN

E-101

SHEET NOTES

1. EC TO FIELD-COORDINATE DEVICE FOR DISHWASHER TO ALLOW EASY ACCESS VIA SINK CABINET DOORS.
2. EC TO FIELD-COORDINATE DEVICE FOR FOOD DISPOSAL TO ALLOW EASY ACCESS VIA SINK CABINET DOORS.
3. PRIOR TO ROUGH-IN, EC SHALL VERIFY EXACT LOCATION AND ORIENTATION OF SWITCH FOR FOOD DISPOSAL WITH GC/OWNER.
4. 19EXISTING MECHANICAL UNIT TO BE RELOCATED BY OTHERS. EXISTING MECHANICAL UNIT IS PROTECTED BY 60/3 BREAKER IN EXISTING PANEL 'MP'. EC TO INSTALL 3#6, 1#10GND IN 1" CONDUIT FROM EXISTING BREAKER TO NEW 60/3/3R DISCONNECT FOR RELOCATED MECHANICAL UNIT.
5. 20EXISTING MECHANICAL UNIT TO BE RELOCATED BY OTHERS. EXISTING MECHANICAL UNIT IS PROTECTED BY 35/3 BREAKER IN EXISTING PANEL 'A SECTION 1' SPACES 37/39/41. EC TO INSTALL 3#8, 1#10GND IN 3/4" CONDUIT FROM EXISTING BREAKER TO NEW 60/3/3R DISCONNECT FOR RELOCATED MECHANICAL UNIT.
6. 21EXISTING MECHANICAL UNIT TO BE RELOCATED BY OTHERS. EXISTING MECHANICAL UNIT IS PROTECTED BY 25/3 BREAKER IN EXISTING PANEL 'A SECTION 2' SPACES 44/46/48. EC TO INSTALL 3#10, 1#10GND IN 3/4" CONDUIT FROM EXISTING BREAKER TO NEW 30/3/3R DISCONNECT FOR RELOCATED MECHANICAL UNIT.
7. EC TO INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
8. EC TO INSTALL 2#8, 1#8N, 1#10GND IN 3/4" CONDUIT.
9. PRIOR TO ROUGH-IN, EC TO FIELD-VERIFY EXACT MOUNTING LOCATION/HEIGHT OF DEVICE FOR MICROVAVE MOUNTED ABOVE RANGE WITH GC.
10. EC TO INSTALL 3#4, 1#8 IN 1-1/4" CONDUIT.
11. EC TO INSTALL 3#8, 1#10GND IN 3/4" CONDUIT.
12. EC TO INSTALL 3#12, 1#12GND IN 3/4" CONDUIT.
13. PRIOR TO ROUGH-IN, EC TO FIELD-COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT MOUNTING HEIGHT/LOCATION OF DEVICE FOR CIRCULATION PUMP.
14. EC TO INSTALL 3#10, 1#10GND IN 3/4" CONDUIT.
15. PRIOR TO ROUGH-IN, EC TO FIELD-VERIFY EXACT LOCATION/HEIGHT OF DEVICES FOR TV WITH GC/IT CONTRACTOR.
16. DURING TIME OF DESIGN, EXACT ELECTRICAL REQUIREMENTS FOR MOTORIZED SCREEN UNKNOWN; PRIOR TO ROUGH-IN, EC TO FIELD-COORDINATE WITH EQUIPMENT INSTALLER/GC FOR EXACT MOUNTING HEIGHT/LOCATION OF RECESSED JUNCTION BOX FOR MOTORIZED SCREEN POWER. CIRCUIT TO BE 2#10, 1 #10GND IN 3/4" CONDUIT.
17. PRIOR TO ROUGH-IN, EC TO FIELD-COORDINATE WITH GC/OWNER FOR EXACT MOUNTING LOCATION OF RECESSED JUNCTION BOX FOR MOTORIZED SCREEN CONTROL SWITCH. EC TO INSTALL 3/4" CONDUIT WITH CONTROL WIRING BETWEEN MOTORIZED SCREEN AND CONTROL SWITCH; REFER TO MANUFACTURER'S SPECIFICATIONS FOR CONTROL WIRE SIZE.
18. EXISTING MECHANICAL UNIT TO BE RELOCATED BY OTHERS. EXISTING MECHANICAL UNIT IS PROTECTED BY 20/3 BREAKER IN EXISTING PANEL 'A SECTION 1' SPACES 31/33/35. EC TO INSTALL 3#12, 1#12GND IN 3/4" CONDUIT FROM EXISTING BREAKER TO NEW 30/3/3R DISCONNECT FOR RELOCATED MECHANICAL UNIT.
19. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH GC/ARCHITECT FOR EXACT LOCATION OF ADA ACCESS DOOR CONTROL PUSH BUTTON THAT IS TO BE FURNISHED BY OTHERS. EC TO INSTALL 3/4" UNDERGROUND CONDUIT AND PULL-STRING FROM PUSH BUTTON LOCATION TO ACCESSIBLE LOCATION ABOVE CEILING.



1 ELECTRICAL NEW WORK - POWER PLAN

E-111 SCALE: 1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

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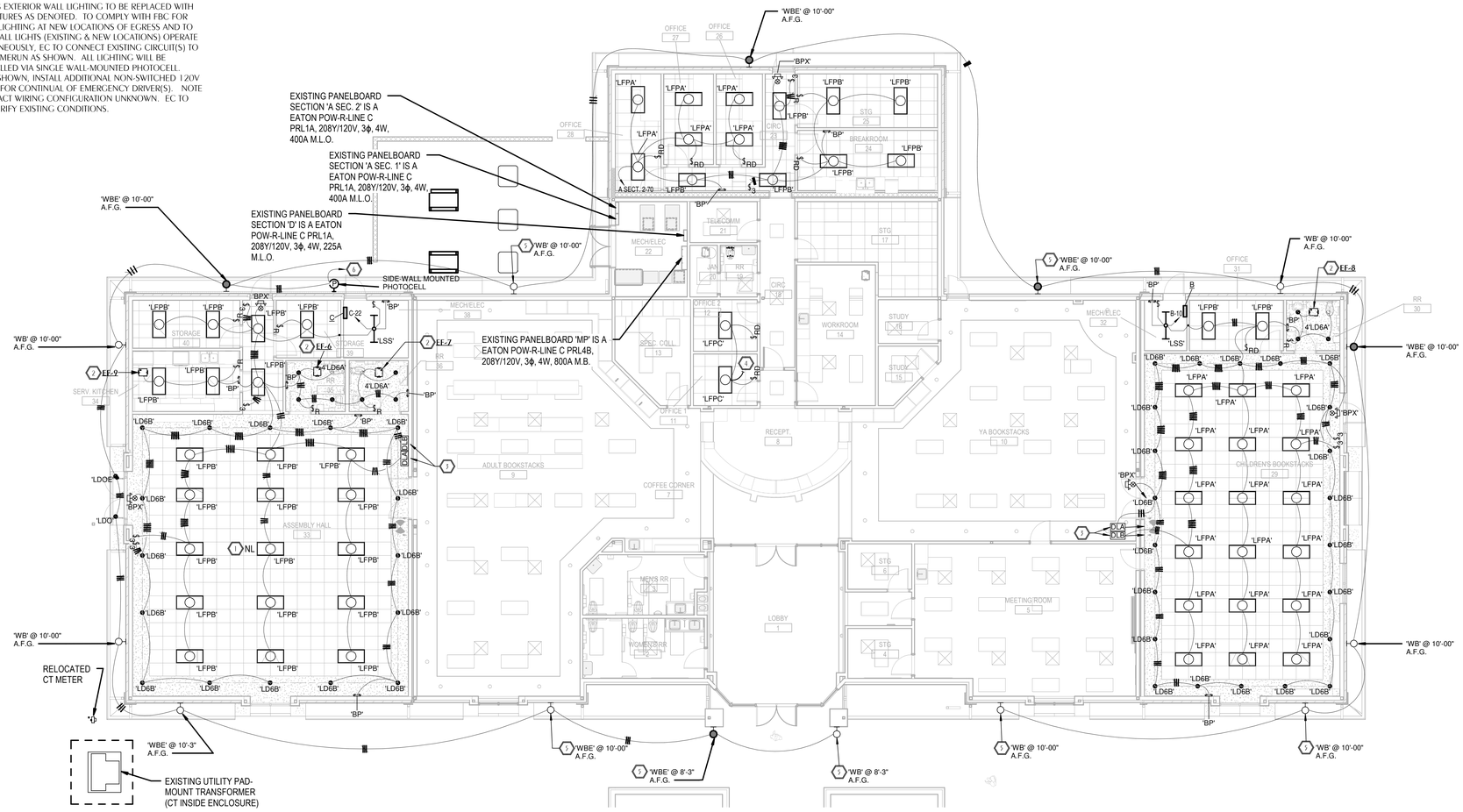
ELECTRICAL POWER PLAN

E-111

SHEET NOTES

1. FIXTURE TO BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
2. PER MECHANICAL DESIGN, EXHAUST FAN TO BE PROVIDED WITH INTEGRAL DISCONNECT. INTERLOCK WITH LIGHTING FIXTURE(S) SERVING AREA.
3. EC TO REFER TO 'ELECTRICAL LEGEND' FOR REQUIRED 0-10V 2-WIRE CIRCUIT FOR DIMMING.
4. EC SHALL CONNECT TO EXISTING LIGHTING CIRCUIT AHEAD OF LOCAL SWITCH
5. EXISTING LIGHTING FIXTURE TO BE REPLACED AND RECONNECTED TO EXISITNG EXTERIOR LIGHTING CIRCUIT.
6. EXISTING EXTERIOR WALL LIGHTING TO BE REPLACED WITH NEW FIXTURES AS DENOTED. TO COMPLY WITH FBC FOR EGRESS LIGHTING AT NEW LOCATIONS OF EGRESS AND TO ENSURE ALL LIGHTS (EXISTING & NEW LOCATIONS) OPERATE SIMULTANEOUSLY, EC TO CONNECT EXISTING CIRCUIT(S) TO NEW HOMERUN AS SHOWN. ALL LIGHTING WILL BE CONTROLLED VIA SINGLE WALL-MOUNTED PHOTOCELL. WHERE SHOWN, INSTALL ADDITIONAL NON-SWITCHED 120V HOTLEG FOR CONTINUAL OF EMERGENCY DRIVER(S). NOTE THAT EXACT WIRING CONFIGURATION UNKNOWN. EC TO FIELD-VERIFY EXISTING CONDITIONS.



1 ELECTRICAL NEW WORK - LIGHTING PLAN

E-211 SCALE: 1/8" = 1'-0"

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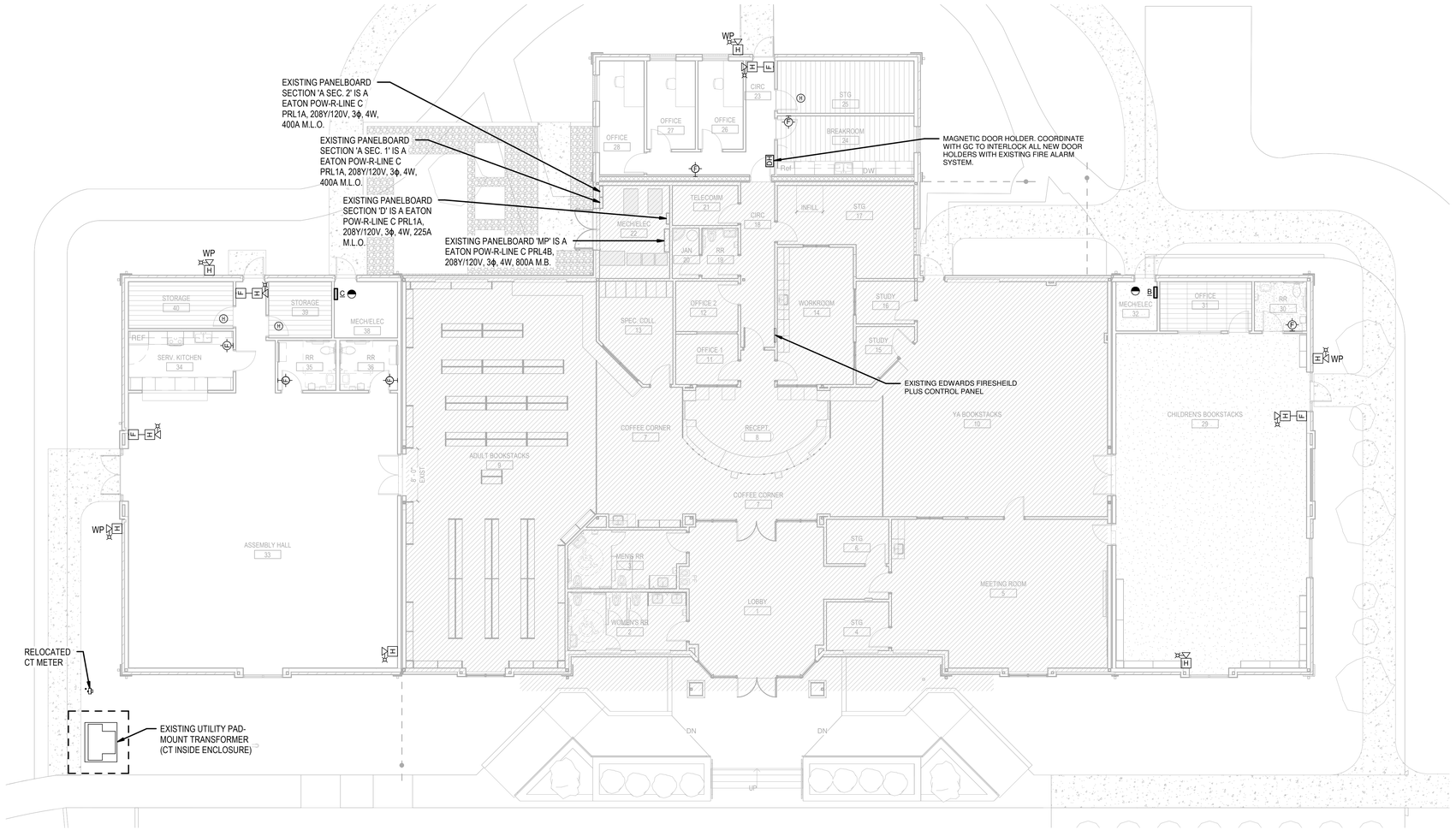
Drawn By: MBS

ELECTRICAL LIGHTING PLAN

E-211



1 ELECTRICAL NEW WORK - FIRE ALARM PLAN

E-311 SCALE: 1/8" = 1'-0"

PROJECT NORTH TRUE NORTH

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REVISIONS

NO.	DESCRIPTION	DATE

Released for Bid: 10/08/2025

Project Number	**25014**
Dated	09-16-2025

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2024-101
Checked By: ALD
Drawn By: MBS

FIRE ALARM PLAN

E-311

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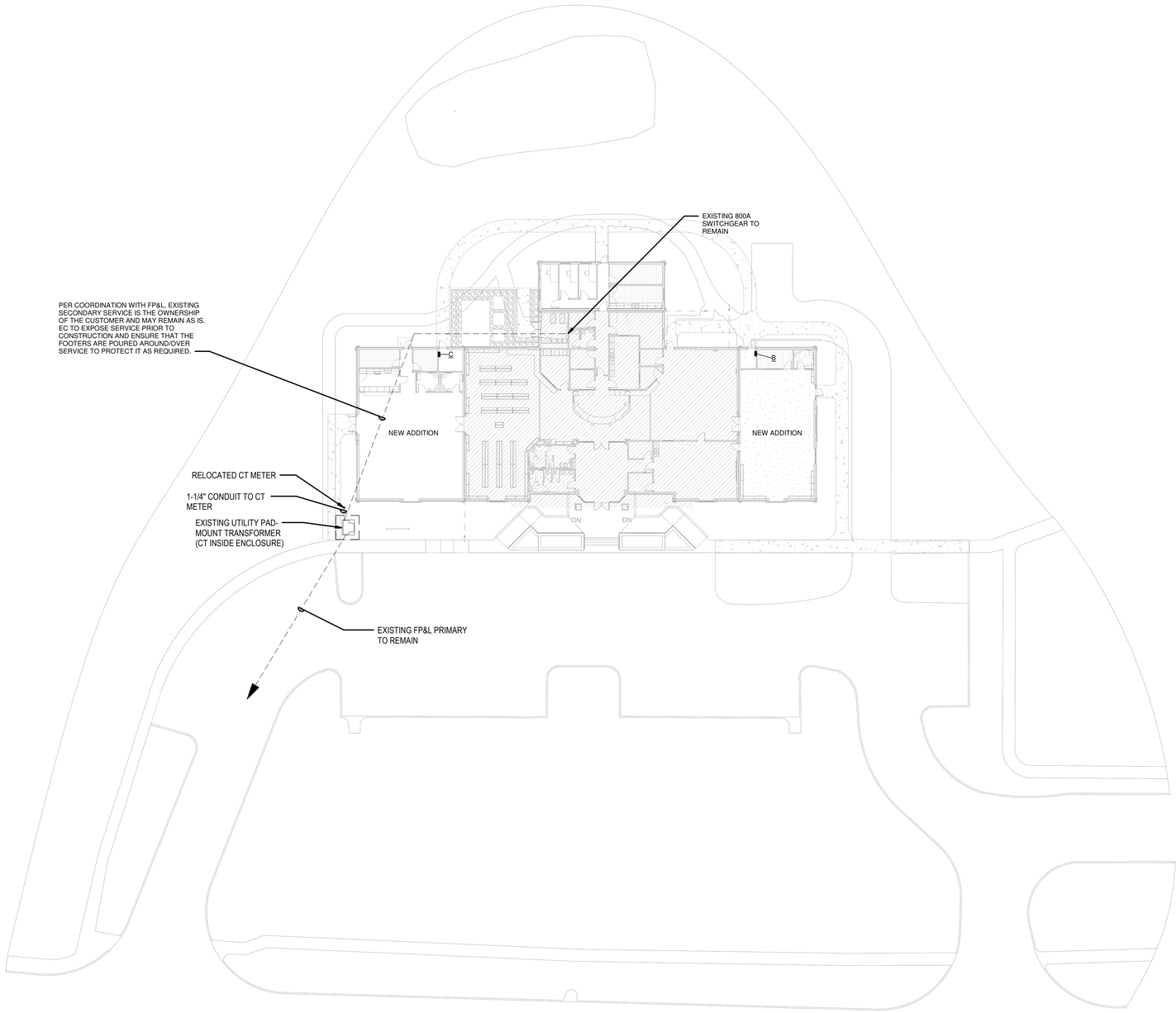

N PROJECT NORTH / TRUE NORTH

1 E-411 **ELECTRICAL SITE PLAN**
SCALE: 1" = 20'-0"

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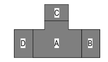

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ELECTRICAL SITE PLAN

E-411