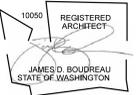


MCKINZIE BUILDING II

MCKINZIE LANE BUSINESS PARK MCKINZIE & KNOX LIBERTY LAKE, WA 99212



LANDSCAPE ARCHITECT
JAMES D. BOUDREAU
STATE OF WASHINGTON
NO. 10000
E. 10000
E. 10000

ABBREVIATIONS

ALSO SEE INDIVIDUAL SHEETS FOR OTHER ABBREVIATIONS NOT LISTED HERE

&	AND	KIT.	KITCHEN
∠	ANGLE	LAM.	LAMINATE
@	AT	LAV.	LAVATORY
⊕	CENTERLINE	MAX.	MAXIMUM
⊙	DIAMETER OR ROUND	MECH.	MECHANICAL
#	POUND OR NUMBER	MTL.	METAL
A.C.T.	ACOUSTICAL CEILING TILE	MFGR.	MANUFACTURER
ACU.	ACOUSTICAL	MIN.	MINIMUM
ADJ.	ADJUSTABLE	MISC.	MISCELLANEOUS
APPROX.	APPROXIMATE	MOUNTED	MOUNTED
ARCH.	ARCHITECTURAL	MUL.	MULLION
A.F.F.	ABOVE FINISH FLOOR	N.I.C.	NOT IN CONTRACT
BLDG.	BUILDING	NO.	NUMBER
BLK.	BLOCK	NOM.	NOMINAL
BLKG.	BLOCKING	N.T.S.	NOT TO SCALE
BM.	BEAM	O.F.C.I.	OWNER FURNISHED, CONT. INSTALLED
BOT.	BOTTOM	OFF.	OFFICE
CAB.	CABINET	O.C.	ON CENTER
CER.	CERAMIC	O.D.	OUTSIDE DIAMETER
C.F.C.I.	CONT. FURNISHED, CONT. INSTALLED	PTBD.	PARTICLE BOARD
CLG.	CEILING	COL.	COLUMN
CLR.	CLEAR	CONC.	CONCRETE
COL.	COLUMN	CONN.	CONNECTION
CONC.	CONCRETE	CONSTR.	CONSTRUCTION
CONN.	CONNECTION	CONT.	CONTINUOUS
CONSTR.	CONSTRUCTION	C.T.	CERAMIC TILE
CONT.	CONTINUOUS	CTS&K	COUNTERSINK
C.T.	CERAMIC TILE	CTR.	CENTER
CTS&K	COUNTERSINK	CPT.	CARPET
CTR.	CENTER	DBL.	DOUBLE
CPT.	CARPET	DEPT.	DEPARTMENT
Q.T.	QUARRY TILE	DTL.	DETAIL
R.	RISER	DIA.	DIAMETER
RAD.	RADIUS	DM.	DIMENSION
REF.	REFRIGERATOR	DN.	DOWN
REIN.	REINFORCED	DR.	DOOR
RECD.	REQUIRED	DWG.	DRAWING
RESLIENT.	RESILIENT	EA.	EACH
RM.	ROOM	ELEV.	ELEVATION
ROUGH OPENING	ROUGH OPENING	ELECT.	ELECTRICAL
RUBBER TILE	RUBBER TILE	EQ.	EQUAL
RUBBER BASE	RUBBER BASE	EXST.	EXISTING
RUBBER SIDING	RUBBER SIDING	EXT.	EXTERIOR
S.C.	SOLID CORE	F.E.	FIRE EXTINGUISHER
SECT.	SECTION	F.E.C.	FIRE EXTINGUISHER CABINET
SHT.	SHEET	FF.	FACTORY FINISH
SIM.	SIMILAR	FIN.	FINISH
SPEC.	SPECIFICATION	F.I.O.	FURNISHED AND INSTALLED BY OWNER
SQ.	SQUARE	FLR.	FLOOR
S.S.	STAINLESS STEEL	FLUOR.	FLUORESCENT
STD.	STANDARD	F.O.C.	FACE OF CONCRETE
STEL.	STEEL	F.O.F.	FACE OF FINISH
STOR.	STORAGE	F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
STRUCT.	STRUCTURAL	F.O.S.	FACE OF STUD
SUSP.	SUSPENDED	FURR.	FURRING
SYMM.	SYMMETRICAL	GA.	GAUGE
S.V.	SHEET VINYL	GALV.	GALVANIZED
T.	TREAD	G.W.B.	GYPSTUM WALL BOARD
TEL.	TELEPHONE	H.C.	HOLLOW CORE
THK.	THICK	HDR.	HEADER
T.V.	TELEVISION	HDRWD.	HARDWOOD
TYP.	TYPICAL	H.M.	HOLLOW METAL
TRUE LENGTH	TRUE LENGTH	HORIZ.	HORIZONTAL
UNLESS NOTED OTHERWISE	UNLESS NOTED OTHERWISE	HR.	HOUR
V.C.T.	VINYL COMPOSITION TILE	HT.	HEIGHT
VERT.	VERTICAL	H.R.	HANDRAIL
VEST.	VESTIBULE	INCAN.	INCANDESCENT
VINYL TILE	VINYL TILE	I.D.	INSIDE DIAMETER (DIM.)
W.	WITH	INSUL.	INSULATION
W.COV.	WALLCOVERING	INT.	INTERIOR
WOOD	WOOD	JT.	JOINT
WITHOUT	WITHOUT		
WATERPROOF	WATERPROOF		
WEIGHT	WEIGHT		
WATER RESISTANT	WATER RESISTANT		

SYMBOLS

[Symbol]	CONCRETE
[Symbol]	CONCRETE BLOCK
[Symbol]	STONE MASONRY
[Symbol]	BRICK MASONRY
[Symbol]	EARTH FILL/COMPACTED FILL
[Symbol]	RIGID INSULATION
[Symbol]	BATT INSULATION
[Symbol]	STONE
[Symbol]	METAL
[Symbol]	WOOD FRAMING
[Symbol]	WOOD BLOCKING
[Symbol]	WOOD(FINISH)
[Symbol]	PLYWOOD
[Symbol]	GYPSTUM BOARD/PLASTER
[Symbol]	CENTERLINE
[Symbol]	WATERPROOFING MEMBRANE
[Symbol]	PROPERTY LINE
[Symbol]	EXISTING CONTOUR LINE
[Symbol]	PROPOSED CONTOUR LINE
[Symbol]	FINISH FLOOR EL. 100'-0"
[Symbol]	ELEVATION DATUM
[Symbol]	BUILDING SECTION
[Symbol]	DETAIL NUMBER
[Symbol]	INTERIOR ELEVATION
[Symbol]	SHEET NUMBER
[Symbol]	DETAIL NUMBER
[Symbol]	DETAIL KEY
[Symbol]	SHEET NUMBER
[Symbol]	ROOM NUMBER
[Symbol]	WINDOW KEY
[Symbol]	DOOR KEY
[Symbol]	WALL ASSEMBLY
[Symbol]	REVISION
[Symbol]	COLUMN BUBBLE
[Symbol]	FLOOR FINISH

PROJECT TEAM

OWNER

MCKINZIE LLC
6845 N. GOVT WAY, SUITE 114
DALTON GARDENS, ID 83815
CONTACT: BILL SETTS
E: info@northsholic.com

DESIGNER

ERIC HEDLUND DESIGN LLC
P.O. BOX 3741
COEUR D'ALENE, IDAHO 83816
P: 208-755-7910
F: 208-285-6248
CONTACT: ERIC L. HEDLUND
E: info@eh-design.net

ARCHITECT OF RECORD

BOUDREAU ARCHITECTURE
926 PEACH TREE DR.
MOSCOW, ID 83843
P: 208-310-0289
E: JIMB@B-Arch.com
CONTACT: JIM BOUDREAU

ELECTRICAL ENGINEER

TRINDER ENGINEERING
1875 N. LAKEWOOD DRIVE
COEUR D'ALENE, ID 83814
P: 208-676-0001
CONTACT: WALLY BECK
E: WBECK@TRINDER.COM

MECHANICAL ENGINEER

BALANCE MECHANICAL SERVICES LLC
11801 N. AVONDALE LOOP
HAYDEN, ID 83835
P: 208-859-8191
E: BALANCE@ROADRUNNER.COM
CONTACT: CHRIS FARTHING

STRUCTURAL ENGINEER

DCI ENGINEERS
601 WEST RIVERSIDE AVENUE
SUITE 500
SPOKANE, WASHINGTON 99201
P: 509-455-4448
E: BMATZ@DCIENGINEERS.COM
CONTACT: BRIAN MATZ

LANDSCAPE ARCHITECT

PLACE-LA
4911 E. PATRICIA ROAD
MEAD, WA 99021
P: 509-570-9157
E: JOSH@PLACE-LA.COM
CONTACT: JOSH TRIPP

PROJECT INFORMATION

1. NAME OF PROJECT: MCKINZIE BUILDING PHASE II
2. STREET ADDRESS: 2077 MCKINZIE LANE, LIBERTY LAKE, WA 99212

GOVERNING CODES

1. ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES, AMENDMENTS AND ORDINANCES AS REQUIRED BY CITY OF LIBERTY LAKE AND THE STATE OF WASHINGTON, AND ALL OTHER RECOGNIZED JURISDICTIONS HAVING AUTHORITY OVER THE PROJECT.
2. GOVERNING CODES:
2015 INTERNATIONAL BUILDING CODE (IBC)
2015 INTERNATIONAL MECHANICAL CODE (IMC)
2015 INTERNATIONAL ENERGY CODE (IEC)
2015 INTERNATIONAL FIRE CODE (IFC)
2015 UNIFORM PLUMBING CODE
3. ALL PRODUCTS LISTED BY I.C.B.O. NUMBERS SHALL BE INSTALLED PER THE REPORT AND MANUFACTURER'S WRITTEN INSTRUCTIONS. ANY SUBSTITUTIONS SHALL HAVE I.C.B.O. APPROVED REPORTS OR BE APPROVED BY OTHER NATIONALLY ACCEPTED/RECOGNIZED TESTING AGENCIES.

GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND COORDINATION OF REQUIRED INSPECTIONS.
2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL NOTIFY THE OWNER/DESIGNER OF ANY DISCREPANCIES BEFORE COMMENCING ANY WORK.
3. ON-SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. FIELD VERIFY EXTENT OF WORK, QUANTITY OF MATERIALS REQUIRED, AND EXISTING CONDITIONS IMPACTING THE WORK SHOWN.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF AND PROVIDING ADEQUATE BEARING, CONNECTIONS, ANCHORS, AND/OR NAILING OF ALL STRUCTURAL COMPONENTS.
6. HVAC, PLUMBING, & ELECTRICAL SYSTEMS UNLESS OTHERWISE INDICATED OR SHOWN, THE H.V.A.C., PLUMBING, & ELECTRICAL MODIFICATIONS SHALL BE BIDDER DESIGNED AND CONFORM TO THE REQUIREMENTS OF THE CURRENTLY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL ELECTRICAL CODE, INTERNATIONAL MECHANICAL & PLUMBING CODE, N.E.C., N.F.B.I. AND AS REQUIRED BY AND IN CONFORMANCE WITH THE OTHER REQUIREMENTS OF THE LOCAL BUILDING AUTHORITY. IN CASE OF DISCREPANCY WITH THE CONTRACT DOCUMENTS, THE GOVERNING CODES SHALL PREVAIL.
7. SHOP DRAWINGS / SUBMITTALS. IT SHALL BE THE BIDDERS RESPONSIBILITY TO PROVIDE COMPLETE CALCULATIONS, RISER DIAGRAMS, DRAWINGS, DETAILS, EQUIPMENT/FITTURE INFORMATION, AND OTHER INFORMATION AS REQUIRED AND REQUESTED BY THE GOVERNING BUILDING AUTHORITY AS NECESSARY TO OBTAIN APPROVAL. IT IS THE RESPONSIBILITY OF THE BIDDER TO CONFIRM SUCH REQUIREMENTS WITH THE GOVERNING BUILDING AUTHORITY.
8. ENGINEERING / DESIGN PROFESSIONAL. IT SHALL BE THE BIDDERS RESPONSIBILITY TO PROVIDE ANY NECESSARY ENGINEERING AND/OR DESIGN PROFESSIONAL'S REVIEWS, APPROVALS, AND STAMPED DOCUMENTS AS REQUIRED BY AND IN CONFORMANCE WITH THE GOVERNING AUTHORITY. IT IS THE RESPONSIBILITY OF THE BIDDER TO CONFIRM SUCH REQUIREMENTS WITH THE GOVERNING BUILDING AUTHORITY.

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR:
A. VERIFY ALL CABINETS / COUNTER / FLOORING MATERIALS / FINISHES / LAYOUTS WITH DESIGNER PRIOR TO FABRICATION / INSTALLATION. PROVIDE CABINET SHOP DRAWINGS FOR REVIEW.
B. LAYOUT ALL WALL DIMENSIONS AND FIELD VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION.
C. FIELD VERIFY ACCURACY AND STACK UP OF CONSTRUCTION DIMENSIONS WITH INTERFACES TO VENDOR PRODUCTS BEFORE PROCEEDING TO SUBSEQUENT PHASES OF CONSTRUCTION.
2. DIMENSIONS: ALL DIMENSIONS ARE TAKEN FROM THE FACE OF STUD WALLS AND / OR THE OUTSIDE FACE OF FOUNDATION WALL UNLESS OTHERWISE NOTED. ALL WINDOWS OR GROUPS OF WINDOWS ARE DIMENSIONED TO CENTER.
3. ALL PENETRATIONS THROUGH BUILDING EXTERIOR AIR-BARRIER SHALL BE SEALED WITH CALK, SEALANT OR FOAM AS NEEDED. ROOF MEMBRANE PENETRATIONS SHALL BE SEALED WITH BOOTS OR GASKETS TO PROVIDE AIR AND MOISTURE PROOF DIAPHRAGM.
4. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS TO CONDUCT AN AIR BARRIER TEST ON FINISHED UNIT. IF BUILDING LEAKAGE RATE EXCEEDS 0.4 CFM5F AT 0.3" W.G., CONTRACTOR MUST VISUALLY INSPECT THE AIR BARRIER AND SEAL ALL OF THE NOTED SOURCES OF LEAKAGE AND RE-CONDUCT THE AIR BARRIER TEST. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL SUBMIT THE RESULTS OF ALL COMPLETED AIR BARRIER TESTS TO THE AUTHORITY HAVING JURISDICTION.
5. R-VALUE IDENTIFICATION MARKS MUST BE APPLIED TO EACH PIECE OF BUILDING THERMAL INSULATION WIDER THAN 12" BUILDING INSULATION SHALL BE INSTALLED SO THAT R-VALUE IDENTIFICATION MARK IS VISIBLE TO INSPECTOR.

SHEET LIST

ARCHITECTURAL	
A0.0	COVER SHEET
A0.1	CODE REVIEW PLAN
A1.0	OVERALL BUILDING FLOOR PLAN
A2.1	FLOOR PLAN
A4.1	ROOF PLAN
A5.1	BUILDING ELEVATIONS
A6.1	BUILDING SECTIONS/DETAILS
A7.1	SCHEDULES / DETAILS
CIVIL	
1	INDEX/COVER
2	EXISTING CONDITIONS/EROSION CONTROL
3	SITE PLAN
4	DETAILS
5	PROJECT SPECIFICATIONS
6	STANDARD PROJECT DETAILS
LANDSCAPE	
LT	LANDSCAPE TITLE SHEET
L1.0	SITE PLAN
L2.0	IRRIGATION PLAN
L3.0	PLANTING DETAILS
STRUCTURAL	
S1.1	STRUCTURAL GENERAL NOTES
S1.2	STRUCTURAL GENERAL NOTES
S2.1	FOUNDATION PLAN
S2.2	ROOF FRAMING PLAN
S3.1	FOUNDATION DETAILS
S4.1	FRAMING DETAILS
S4.2	FRAMING DETAILS
MECHANICAL	
M1.0	HVAC MECHANICAL DESIGN
P1.0	PLUMBING SPECIFICATIONS
P1.1	PLUMBING - WATER & VENT, DOMESTIC WATER PLAN
ELECTRICAL	
ED.01	ELECTRICAL GENERAL NOTES, LEGENDS
ED.02	ELECTRICAL SPECIFICATIONS
ED.100	ELECTRICAL SITE PLAN
ES101	PHOTOMETRICS
ES.101	ELECTRICAL DETAILS
ES.101	ONE-LINE DIAGRAM & FEEDER SCHEDULE



COURTESY OF GOOGLE MAPS
VICINITY MAP



MCKINZIE BUSINESS PARK
BUILDING II
2077 MCKINZIE LANE
LIBERTY LAKE, WA

eric hedlund design llc
601 West Riverside Avenue
Suite 500
Spokane, WA 99201
208-755-7910 phone
208-755-2489 phone
208-765-9246 fax
erich@eh-design.net



MCKINZIE II

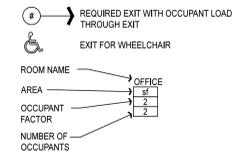
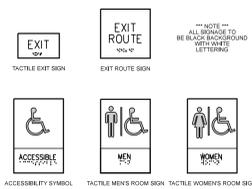
DATE	ISSUED FOR
07-15-16	PERMIT DRAWINGS

COPYRIGHT 2016
BOUDREAU ARCHITECTURE DESIGN STUDIO
ALL RIGHTS RESERVED. REPRODUCTION
OR TRANSLATION OF ANY PART OF THE
WORK OR PART OF THE INFORMATION
OR ENGINEERING THEREIN
IS UNLAWFUL AND SUBJECT
TO CRIMINAL PROSECUTION.

DATE	JULY 15, 2016
DRAWN BY	JOB
CHECKED BY	ELH
SHEET NUMBER	A0.0

07-15-16 PERMIT DRAWINGS

SYMBOLS & LEGEND



BUILDING CODES

GOVERNING BUILDING CODES:
ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES, AMENDMENTS AND ORDINANCES AS REQUIRED BY THE CITY OF LIBERTY LAKE, WASHINGTON.

- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL BUILDING CODE (WITH WASHINGTON AMENDMENTS)
- 2015 INTERNATIONAL PLUMBING CODE

CODE INFORMATION

BUILDING DESCRIPTION: NEW WAREHOUSE / OFFICE BUILDING.
ZONING: INDUSTRIAL - NO CHANGE TO EXISTING CLASSIFICATION B AND S

BUILDING TYPE	
TYPE V-B (CHAPTER 5 TABLE 503)	
FLOOR AREAS	15,000 S.F.
TOTAL	27,000 S.F.
TOTAL ALLOWED (W/ AUTO SPRINKLERS)	
EACH UNIT = 1,500 S.F. TOTAL	
MAXIMUM FLOOR AREA ALLOWED PER OCCUPANT	
BUSINESS	100 SF
WAREHOUSE	500 S.F.
TOTAL OCCUPANT LOAD	3 @ OFFICE, 3 @ WHSE
EACH UNIT	6 TOTAL

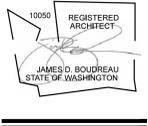
EXITING REQUIREMENTS - PER UNIT	
NUMBER OF EXITS REQUIRED (LESS THAN 49 PEOPLE)	1 (ONE)
MINIMUM EGRESS WIDTH	3'-0"
MAXIMUM OVERALL DIAGONAL DISTANCE OF AREA SERVED	65'-6"
1/2 THE MAXIMUM OVERALL DIAGONAL DISTANCE OF AREA SERVED	31'-9"
ACTUAL DISTANCE BETWEEN THE TWO EXITS	68'-0"
MAXIMUM TRAVEL DISTANCE	47'-4"

SPRINKLER SYSTEM	
SPRINKLER SYSTEM	YES

PLUMBING	
WATER CLOSET REQUIRED	1 MIN. (UNISEX)
WATER CLOSETS PROVIDED	1 MIN. (UNISEX)
LAVATORIES REQUIRED	1
LAVATORIES PROVIDED	1

FIRE EXTINGUISHER - 5# IN SEMI-RECESSED CABINET (1 PER UNIT)

GENERAL CONTRACTOR TO VERIFY EXISTING SIGNAGE IN FIELD AND PROVIDE NEW AS REQUIRED TO COMPLY WITH APPLICABLE BUILDING CODES.
ALL SIGNAGE SHALL CONFORM WITH ACCESSIBILITY GUIDELINES INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 GRAPHIC REQUIREMENTS.
SIGNAGE AFTER INTERNATIONAL ACCESSIBILITY SYMBOL ON ALL ACCESSIBLE ENTRANCES PER APPLICABLE BUILDING CODE.
STRIPE EDGE CLEARANCE AT DOORWAY:
PROVIDE A 1" STRIPE EDGE CLEARANCE ON THE FULL SIDE OF INTERIOR DOORS.
PROVIDE A 1" STRIPE EDGE CLEARANCE ON THE FULL SIDE OF THE EXTERIOR DOORS.
PROVIDE A 1" STRIPE EDGE CLEARANCE ON THE PUSH SIDE OF ALL DOORS WHICH HAVE BOTH A LATCH AND A CLOSER.
TACTILE EXIT SIGNAGE:
A TACTILE EXIT SIGN WITH THE WORD "EXIT" SHALL IDENTIFY EACH GRADE LEVEL EXTERIOR EXIT DOOR.
A TACTILE EXIT SIGN WITH THE WORD "EXIT" SHALL IDENTIFY EACH INTERIOR ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A TACTILE EXIT SIGN.
GENERAL CONTRACTOR TO VERIFY EXISTING SIGNAGE IN FIELD AND PROVIDE NEW AS REQUIRED.
CHARACTERS, SYMBOLS AND BACKGROUNDS SHALL HAVE A MINIMUM CONTRAST. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THE BACKGROUND. SYMBOLS SHALL BE ON DARK BACKGROUND OR DARK ON LIGHT BACKGROUND.
SIGNAGE TO INCLUDE BRASS AND CHARACTERS FORMER IN GOLD.
MOUNT BRASS AT 60° AS TO THE BOTTOM OF THE TOP RAIL OF LETTERS ON THE SIGN. MOUNTING LOCATION SHALL BE SO THAT A PERSON APPROACHING WITHIN 7' OF SIGN DOES NOT ENCOUNTER PROTRUDING OBJECTS OR WITHIN THE SWING OF A DOOR.



LANDSCAPE
WILLIAM W. WOODHEAD ARCHITECTURE
1000 1ST AVENUE N.E.
LIBERTY LAKE, WA 99019
P: 509.725.2222
F: 509.725.2222
E: ww@woodhead.com

ELECTRICAL CONTRACTORS
THOMAS M. HARRIS
1000 1ST AVENUE N.E.
LIBERTY LAKE, WA 99019
P: 509.725.2222
F: 509.725.2222
E: thomas@harris.com

MECHANICAL CONTRACTORS
WILLIAM W. WOODHEAD ARCHITECTURE
1000 1ST AVENUE N.E.
LIBERTY LAKE, WA 99019
P: 509.725.2222
F: 509.725.2222
E: ww@woodhead.com

MCKINZIE BUSINESS PARK
BUILDING II
2077 MCKINZIE LANE
LIBERTY LAKE, WA

eric h d l u n d d e s i g n l l c
p o s t o f f i c e a d d r e s s
208-7-755-2488 phone
208-265-9246 fax
eric@eh-design.net



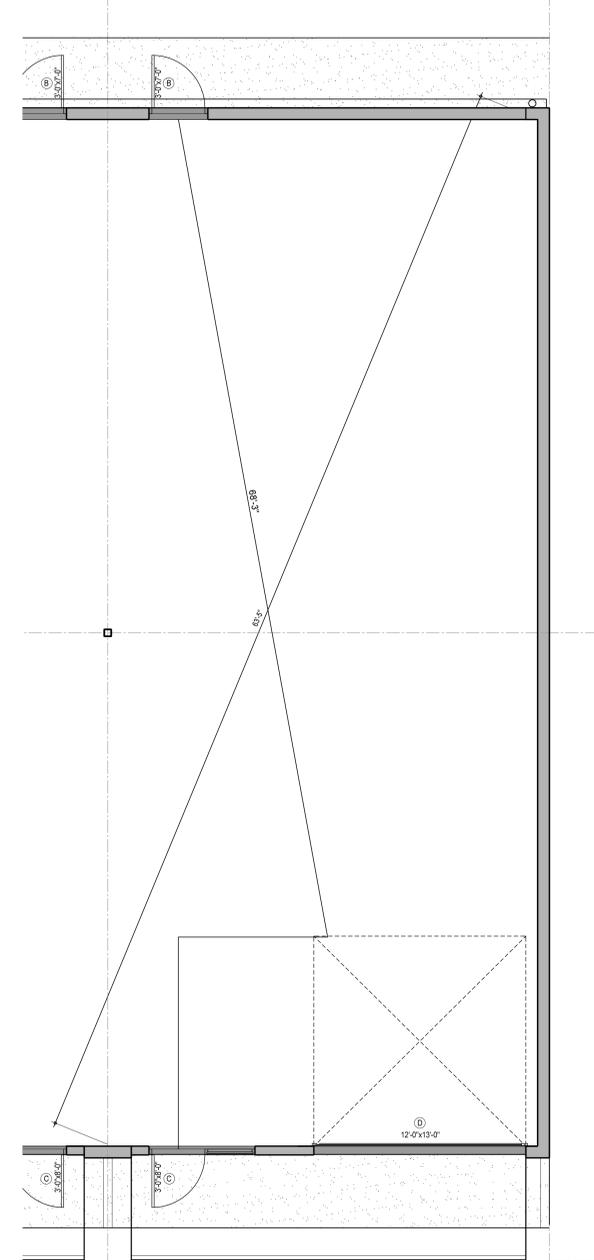
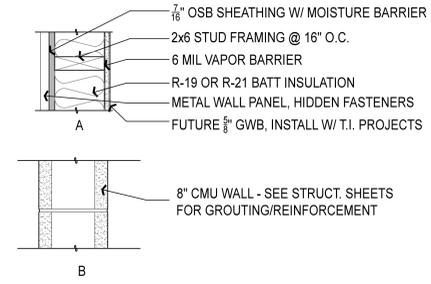
MCKINZIE II

DATE	ISSUED FOR
07-15-16	PERMIT DRAWINGS

DATE	JOB NUMBER
JULY 15, 2016	JOB
DRAWN BY	ELH
CHECKED BY	ELH
SHEET NUMBER	A0.1

WALL TYPES

- GENERAL NOTES:
- MOISTURE RESISTANT WALL BOARD REPLACES GWB AT ALL WET LOCATIONS AND BEHIND FRP.
 - PROVIDE CEMENTITIOUS BACKER BOARD BEHIND ALL TILE. SEE ROOM FINISH SCHEDULE.
 - SEE ROOM FINISH SCHEDULE FOR ADDITIONAL WALL FINISH OVER SUBSTRATE. (WALL COVERING / TILE / FRP)



1 CODE REVIEW PLAN
SCALE: 1/4" = 1'-0"



07-15-16 PERMIT DRAWINGS

COPYRIGHT 2016
BOURREAU ARCHITECTURE DESIGN STUDIO
ALL RIGHTS RESERVED. REPRODUCTION
OR TRANSLATION OF ANY PART OF THIS
WORK WITHOUT THE WRITTEN PERMISSION
OF BOURREAU ARCHITECTURE DESIGN STUDIO
IS UNLAWFUL AND SUBJECT
TO CRIMINAL PROSECUTION.

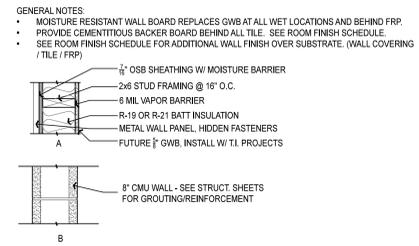
EXTERIOR MATERIALS



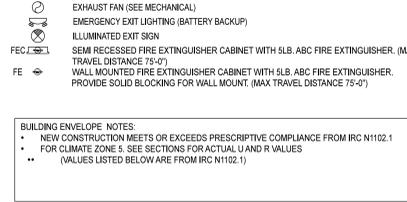
LIGHTING



WALL TYPES



SYMBOL LEGEND

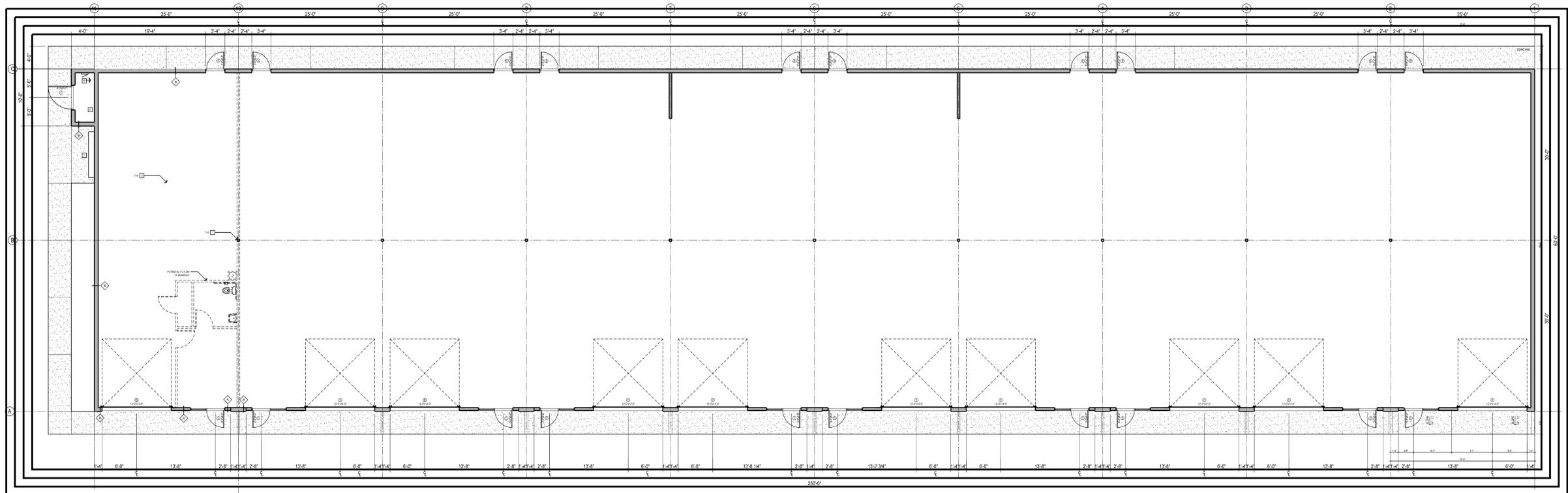


GENERAL PLAN NOTES

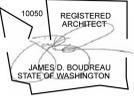
- PROVIDE SOLID BLOCKING AT ALL WALL ACCESSORIES, CASEWORK AND SHELVING.
- SEE BUILDING SECTIONS FOR EXTERIOR WALL ASSEMBLIES.
- ALL DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.) OR GRID LINE.
- ALL HEADERS TO BE (2) 2x10'S WITH SINGLE TOP PLATE OVER AND (2) JACK STUDS U.N.O. ON STRUCTURAL SHEETS.
- FIRE BLOCKING AT ALL PLUMBING PENETRATIONS IN COMMON WALLS.
- TREATED WALL SHEATHING AT ALL LOCATIONS WHERE SHEATHING CONTACTS CONCRETE FOUNDATION AND/OR WALL. ALSO PROVIDE TREATED SHEATHING AND/OR WALL FRAMING AT ALL LOCATIONS WITHIN 2' OF A HORIZONTAL CONCRETE SURFACE.
- SEE SHEET A8.1 FOR PLUMBING FIXTURE & ACCESSORY SPECIFICATIONS.
- ALL WALLS SHALL BE 2x6 @ 16" O.C. U.N.O.
- PROVIDE SOUND BATTS / INSULATION ALL INTERIOR WALLS.
- TEMPERED GLAZING REQUIRED
- 5/8" GWB WITH ALL SQUARE GWB CORNERS. (METAL CORNER BEAD).
- ALL DRYWALL SURFACES TO BE A "LEVEL 4" FINISH. TYPICAL. SUBMIT SAMPLES TO OWNER FOR REVIEW AND APPROVAL.

KEYED NOTES

- COLUMN LOCATION. SEE STRUCTURAL.
- FLOOR DRAIN. 4" SQUARE. FINISH, TBD. SEE A8.1.
- GAS METER LOCATION. SEE MECHANICAL DRAWINGS.
- SEMI RECESSED FIRE DEPARTMENT - KNOX BOX. MOUNTED AT 72" AFF.
- FIRE RISER EQUIPMENT PER SPRINKLER INSTALLER.
- HOUSE ELECTRICAL PANEL
- ELECTRICAL DISTRIBUTION PANEL/METER LOCATION



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



LANDSCAPE ARCHITECT
WILLIAM W. WOODRUFF ARCHITECTURE
10050 15TH AVENUE S.W.
SUITE 100
SEASIDE, WA 98148
P: 206.755.2488
F: 206.755.9246
WWW.WWWOODRUFF.COM

STRUCTURAL ENGINEER
WILLIAM W. WOODRUFF ARCHITECTURE
10050 15TH AVENUE S.W.
SUITE 100
SEASIDE, WA 98148
P: 206.755.2488
F: 206.755.9246
WWW.WWWOODRUFF.COM

**MCKINZIE BUSINESS PARK
BUILDING II**
2077 MCKINZIE LANE
LIBERTY LAKE, WA

ericsheddanddesignllc
p o b o x 4 1 1 1
p o r t l a n d , o r e g o n 9 7 1 4 0
2 0 8 - 7 5 5 - 2 4 8 8 p h o n e
2 0 8 - 7 5 5 - 9 2 4 6 f a x
e r i c h @ e h - d e s i g n . n e t



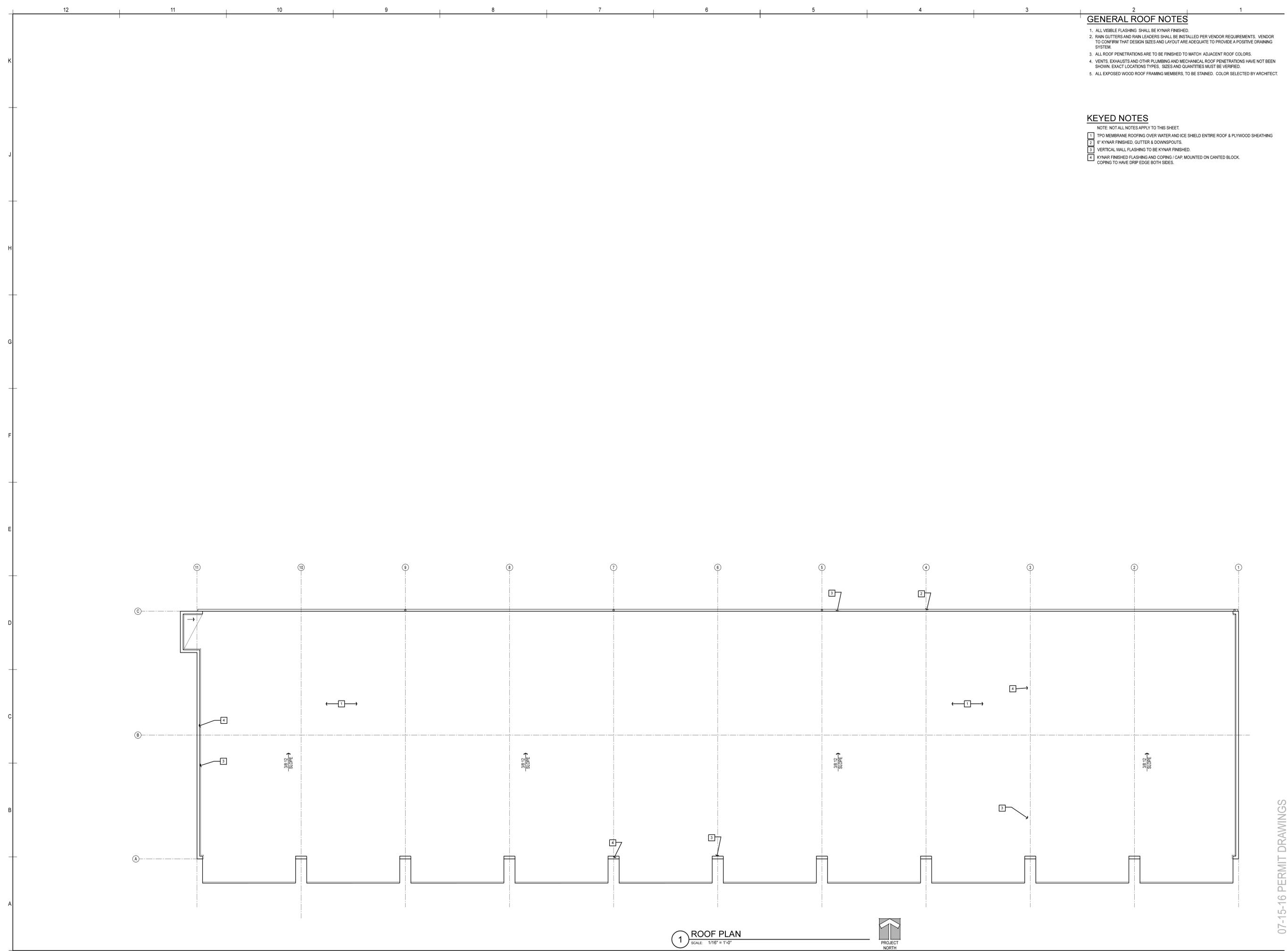
MCKINZIE II

DATE: 07-15-16 ISSUED FOR: PERMIT DRAWINGS

DATE: JULY 15, 2016
DRAWN BY: JOB
JOB NUMBER:
CHECKED BY: ELH
SHEET NUMBER:

A2.1

07-15-16 PERMIT DRAWINGS



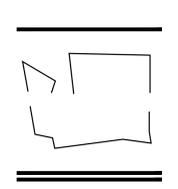
GENERAL ROOF NOTES

1. ALL VISIBLE FLASHING SHALL BE KYNAR FINISHED.
2. RAIN GUTTERS AND RAIN LEADERS SHALL BE INSTALLED PER VENDOR REQUIREMENTS. VENDOR TO CONFIRM THAT DESIGN SIZES AND LAYOUT ARE ADEQUATE TO PROVIDE A POSITIVE DRAINING SYSTEM.
3. ALL ROOF PENETRATIONS ARE TO BE FINISHED TO MATCH ADJACENT ROOF COLORS.
4. VENTS, EXHAUSTS AND OTHER PLUMBING AND MECHANICAL ROOF PENETRATIONS HAVE NOT BEEN SHOWN. EXACT LOCATIONS, TYPES, SIZES AND QUANTITIES MUST BE VERIFIED.
5. ALL EXPOSED WOOD ROOF FRAMING MEMBERS, TO BE STAINED. COLOR SELECTED BY ARCHITECT.

KEYED NOTES

NOTE: NOT ALL NOTES APPLY TO THIS SHEET.

1. TPO MEMBRANE ROOFING OVER WATER AND ICE SHIELD ENTIRE ROOF & PLYWOOD SHEATHING
2. 6" KYNAR FINISHED, GUTTER & DOWNSPOUTS.
3. VERTICAL WALL FLASHING TO BE KYNAR FINISHED.
4. KYNAR FINISHED FLASHING AND COPING / CAP MOUNTED ON CANTED BLOCK. COPING TO HAVE DRIP EDGE BOTH SIDES.



LANDSCAPE ARCHITECTURE
 ERICH & JENNIFER
 2077 MCKINZIE LANE
 LIBERTY LAKE, WA 99019
 P: 509-755-2488
 F: 509-755-9246
 E: erich@eh-design.net

ELECTRICAL ARCHITECTS
 TRIMBLE CONSULTANTS
 2077 MCKINZIE LANE
 LIBERTY LAKE, WA 99019
 P: 509-755-2488
 F: 509-755-9246
 E: trimble@eh-design.net

STRUCTURAL ENGINEER
 ERICH & JENNIFER
 2077 MCKINZIE LANE
 LIBERTY LAKE, WA 99019
 P: 509-755-2488
 F: 509-755-9246
 E: erich@eh-design.net

MECHANICAL ENGINEER
 ERICH & JENNIFER
 2077 MCKINZIE LANE
 LIBERTY LAKE, WA 99019
 P: 509-755-2488
 F: 509-755-9246
 E: erich@eh-design.net

**MCKINZIE BUSINESS PARK
 BUILDING II
 2077 MCKINZIE LANE
 LIBERTY LAKE, WA**

erich & jennifer design llc
 2077 McKinzie Lane
 Liberty Lake, WA 99019
 509-755-2488 phone
 509-755-9246 fax
 erich@eh-design.net



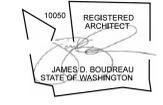
MCKINZIE II

DATE	ISSUED FOR
07-15-16	PERMIT DRAWINGS

DATE: JULY 15, 2016
 DRAWN BY: JDB
 CHECKED BY: ELH
 SHEET NUMBER: A4.1

1 ROOF PLAN
 SCALE: 1/16" = 1'-0"
 PROJECT NORTH

07-15-16 PERMIT DRAWINGS



GENERAL ELEVATION NOTES

1. ALL VISIBLE EXPOSED FLASHING TO BE KYNAR COATED SHEET METAL - BLACK.
2. ALL ROOF PENETRATIONS (ie. VENTS, STACKS, ETC.) TO BE PAINTED TO MATCH ROOF MATERIAL.

KEYED NOTES

- NOTE: NOT ALL NOTES APPLY TO THIS SHEET.
- 1 SHEET METAL FASCIA, CAP FLASHING - KYNAR BLACK
 - 2 CANTILEVER AWNING W/ SHEET METAL FASCIA.
 - 3 GLU-LAM BEAM - 8 3/4"x12"
 - 4 CORRUGATED SHEET METAL WALL PANELS. ALTERNATE COLORS EVERY BAY, RE:A2.1
 - 5 SIGNAGE LOCATION. PROVIDE 120V CIRCUIT W/ INSIDE SWITCH.
 - 6 FIELD - SPLIT FACED CMU
 - 7 ALUMINUM STOREFRONT ENTRY - NATURAL ALUMINUM FINISH.
 - 8 ALUMINUM OVERHEAD GARAGE DOOR WITH GLAZING AS SHOWN. BASIS OF DESIGN: OVERHEAD DOOR INC. SERIES 521. WITH INSULATED GLAZING AND JACKSHAFT DOOR OPERATOR. PAINT W/WHITE TO MATCH WINDOWS & DOORS
 - 9 ACCENT BAND - SPLIT FACED CMU - RE: A3.1.
 - 10 ROOFING TYPE 1 - SINGLE PLY MEMBRANE OVER ICE & WATER SHIELD OVER PLYWOOD DECKING ON STRUCTURE.
 - 11 SQUARE 4X5 OPEN GUTTER OVER FASCIA FLASHING. SEE DETAIL 1/A7.1, 2/A7.1.
 - 12 INSULATED STEEL DOOR W/ H.M. FRAME. SEE DETAIL 1/A7.1, 2/A7.1.
 - 13 EXTERIOR LIGHT FIXTURE. SEE RCP: A2.1

METAL SIDING



METAL SALES
TLC-4 WALL PANEL
2 GAUGE
EXTERIOR
COLOR A: OCEAN BLUE
COLOR B: ANTIQUE BRONZE

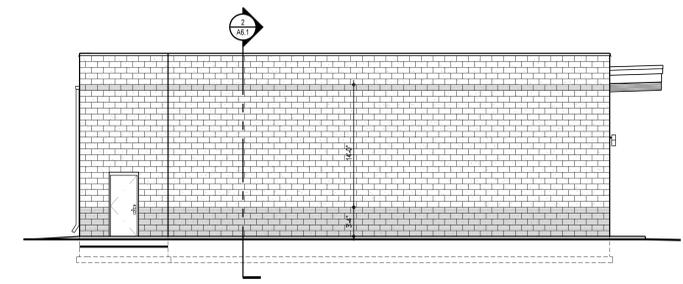
CMU BLOCK



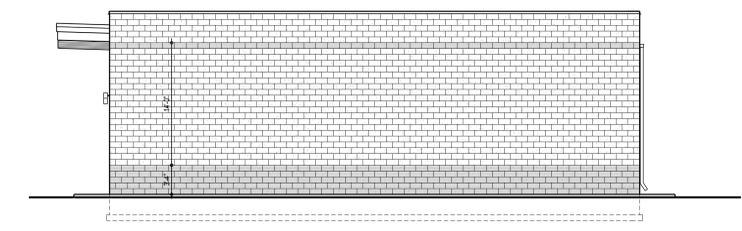
A-52
Pewter
CMU - FIELD COLOR
SPLIT FACED
A-52 PEWTER



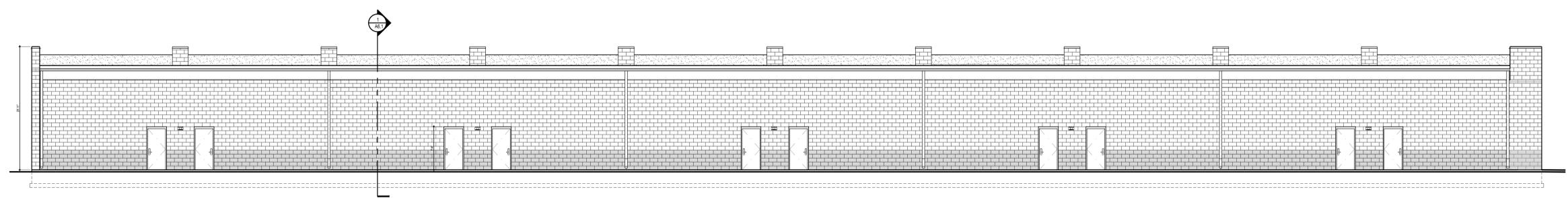
A-55
Slate Gray
CMU - ACCENT BAND
SPLIT FACED
A-55 SLATE GREY
EXTERIOR



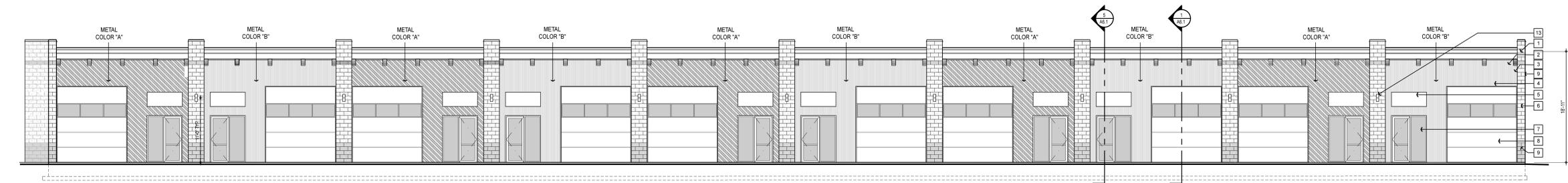
4 EAST ELEVATION
SCALE: 1/8" = 1'-0"



3 WEST ELEVATION
SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



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

LANDSCAPE
WILLIAM W. WILSON
1000 10TH AVENUE, SUITE 100
LIBERTY LAKE, WA 98029
P: 360-221-1111
F: 360-221-1112
WWW.WWWSL.COM

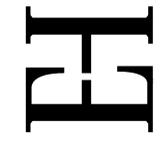
ELECTRICAL ARCHITECT
TIMOTHY M. HARRIS
1000 10TH AVENUE, SUITE 100
LIBERTY LAKE, WA 98029
P: 360-221-1111
F: 360-221-1112
WWW.TMHARRIS.COM

STRUCTURAL ENGINEER
DAVID L. CHAMBERS
1000 10TH AVENUE, SUITE 100
LIBERTY LAKE, WA 98029
P: 360-221-1111
F: 360-221-1112
WWW.DLCHAMBERS.COM

MECHANICAL ENGINEER
DAVID L. CHAMBERS
1000 10TH AVENUE, SUITE 100
LIBERTY LAKE, WA 98029
P: 360-221-1111
F: 360-221-1112
WWW.DLCHAMBERS.COM

**MCKINZIE BUSINESS PARK
BUILDING II**
2077 MCKINZIE LANE
LIBERTY LAKE, WA

erichedlund design llc
p o b o x 4 8 1 1
p o r t l a n d , o r e g o n 9 7 1 4 8
2 0 8 - 7 5 5 - 2 4 8 8 p h o n e
2 0 8 - 7 5 5 - 9 2 4 6 f a x
erich@eh-design.net



MCKINZIE II

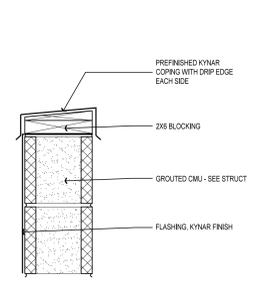
DATE: 07-15-16 ISSUED FOR: PERMIT DRAWINGS

COPYRIGHT 2016
BOUDREAU ARCHITECTURE DESIGN STUDIO
ALL RIGHTS RESERVED. REPRODUCTION
OR TRANSLATION OF ANY PART OF THIS
WORK WITHOUT THE WRITTEN PERMISSION
OF BOUDREAU ARCHITECTURE DESIGN STUDIO
IS UNLAWFUL AND SUBJECT
TO CRIMINAL PROSECUTION.

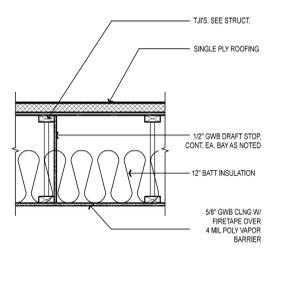
DATE: JULY 15, 2016
DRAWN BY: JDB
JOB NUMBER:
CHECKED BY: ELH

SHEET NUMBER
A5.1

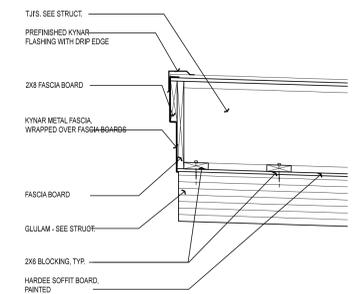
07-15-16 PERMIT DRAWINGS



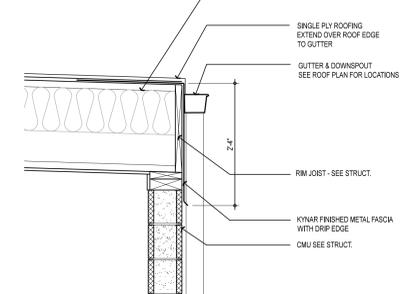
9 CMU WALL COPING
SCALE: 3/4" = 1'-0"



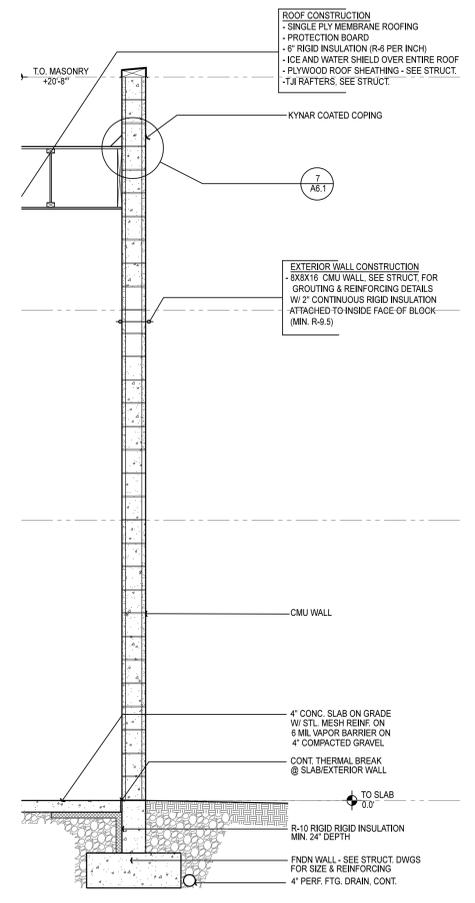
8 DRAFT STOP DETAIL
SCALE: 3/4" = 1'-0"



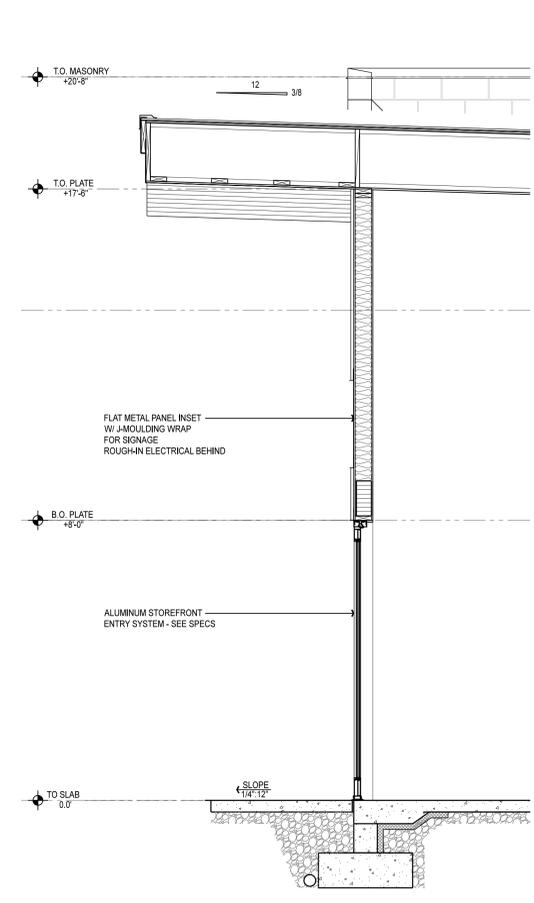
7 FASCIA
SCALE: 3/4" = 1'-0"



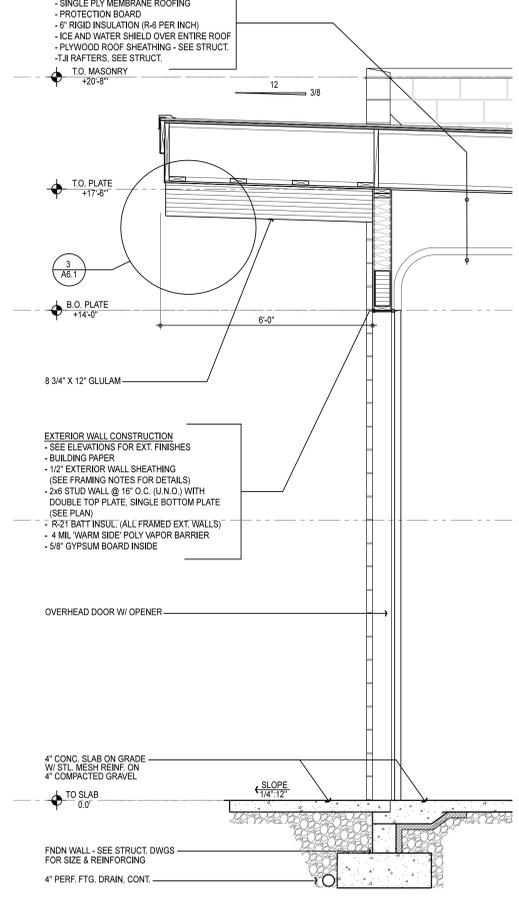
6 ROOF OVERHANG
SCALE: 3/4" = 1'-0"



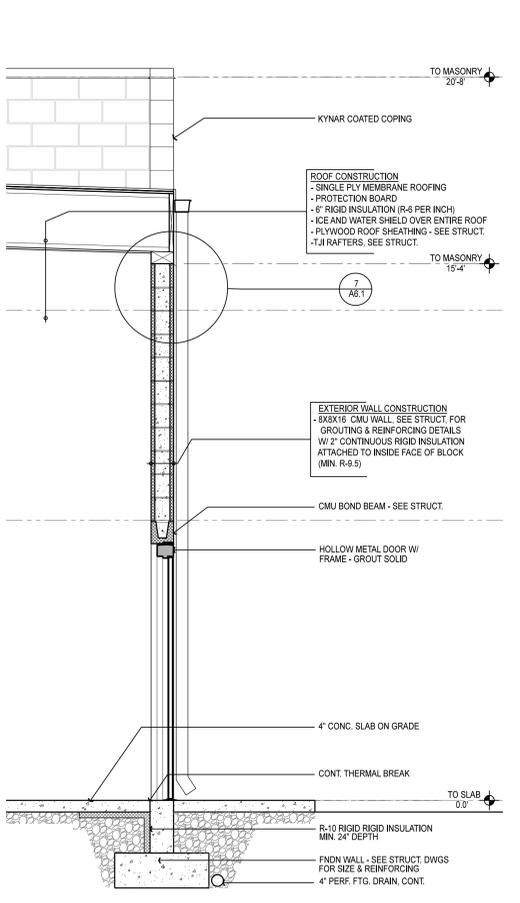
6 WALL SECTION
SCALE: 1/2" = 1'-0"



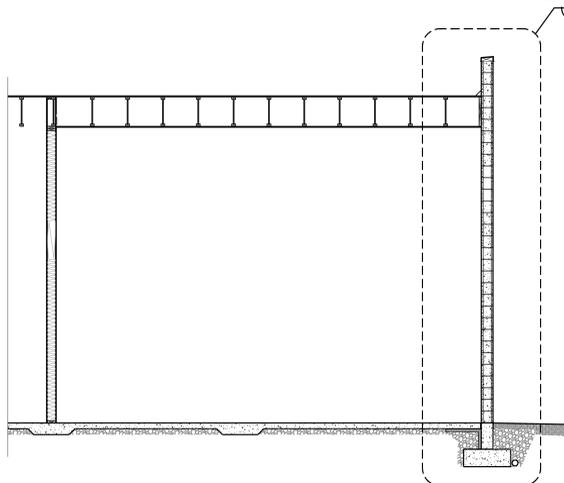
5 WALL SECTION
SCALE: 1/2" = 1'-0"



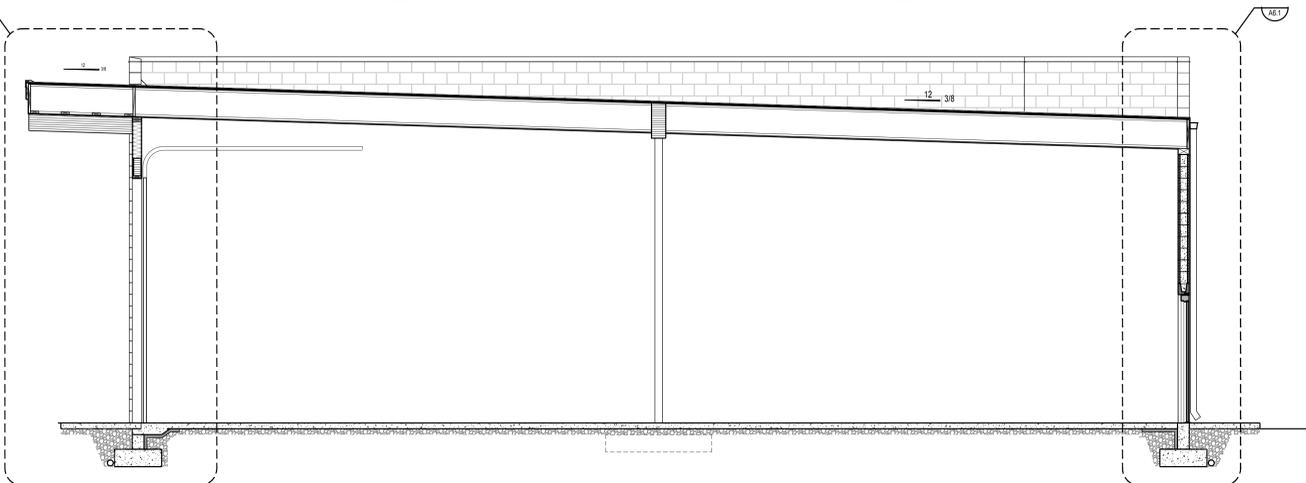
4 WALL SECTION
SCALE: 1/2" = 1'-0"



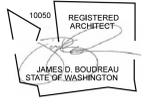
3 WALL SECTION
SCALE: 1/2" = 1'-0"



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



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



LANDSCAPE ARCHITECTURE
JAMES D. BOUDREAU ARCHITECTURE
10050 10TH AVENUE NE
REDMOND, WA 98073
P: 206-755-2488
F: 206-755-9246
E: jdb@jdbarch.com

REGISTERED ARCHITECT
JAMES D. BOUDREAU
STATE OF WASHINGTON
NO. 10000
EXPIRES 12/31/2016

MECHANICAL ENGINEER
JAMES D. BOUDREAU ARCHITECTURE
10050 10TH AVENUE NE
REDMOND, WA 98073
P: 206-755-2488
F: 206-755-9246
E: jdb@jdbarch.com

REGISTERED ELECTRICAL ENGINEER
JAMES D. BOUDREAU ARCHITECTURE
10050 10TH AVENUE NE
REDMOND, WA 98073
P: 206-755-2488
F: 206-755-9246
E: jdb@jdbarch.com

MCKINZIE BUSINESS PARK
BUILDING II
2077 MCKINZIE LANE
LIBERTY LAKE, WA

erich design llc
p o box 44
liberty lake, idaho 83816
208-755-2488 phone
208-755-9246 fax
erich@eh-design.net



MCKINZIE II

DATE	ISSUED FOR
07-15-16	PERMIT DRAWINGS

COPYRIGHT 2016
BOUDREAU ARCHITECTURE DESIGN STUDIO
ALL RIGHTS RESERVED. REPRODUCTION
OR TRANSLATION OF ANY PART OF THIS
WORK WITHOUT THE WRITTEN PERMISSION
OF BOUDREAU ARCHITECTURE DESIGN STUDIO
IS UNLAWFUL AND SUBJECT
TO CRIMINAL PROSECUTION.

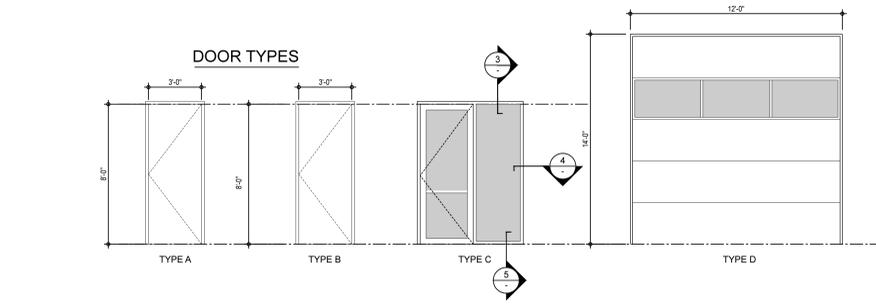
DATE: JULY 15, 2016
DRAWN BY: JOB
JOB NUMBER:
CHECKED BY: ELH

SHEET NUMBER
A6.1

07-15-16 PERMIT DRAWINGS

DOOR SCHEDULE																
MARK	ROOM NAME	SIZE (WxH)	THICKNESS	TYPE	MATERIAL	FINISH	FIRE RATING (MIN)	FRAME			REMARKS	NFC 100 ASSY U-VALUE	NFC 200 ASSY HEAT GAIN COEFF	NFC 400 ASSY LEAKAGE RATE		
								MATERIAL	FINISH	HEAD						
1	OFFICE	3'-0" x 8'-0"	1 3/4	C	ALU/GL	-	-	ALU	-	3/A7.1	4/A7.1	5/A7.1	PROVIDE LCN 1480 DOOR CLOSER	0.60 MAX	0.40 MAX	1.00 CFMSF MAX
2	WAREHOUSE O.H.	12'-0" x 14'-0"	1 3/4	D	STL	FF	-	HM	PT	-	-	-	PROVIDE ELECTRIC DOOR OPENER	4.75 R-VAL	-	0.40 CFMSF MAX
3	OFFICEWAREHOUSE	3'-0" x 7'-0"	1 3/4	A	SCW	FF	1 HR	HM	PT	1/A7.1	2/A7.1	-	PROVIDE LCN 1480 DOOR CLOSER	-	-	-
4	WAREHOUSE BACK	3'-0" x 7'-0"	1 3/4	B	HM	PT	-	HM	PT	3/A7.1	4/A7.1	-	INSULATED. PAINT PRIMER, 2 COATS PAINT.	0.37 MAX	-	1.00 CFMSF MAX
5	RESTROOM	3'-0" x 7'-0"	1 3/4	A	SCW	FF	-	HM	PT	1/A7.1	2/A7.1	-	PROVIDE LCN 1480 DOOR CLOSER	-	-	-
6	STORAGE	3'-0" x 7'-0"	1 3/4	A	SCW	FF	-	HM	PT	1/A7.1	2/A7.1	-	PROVIDE LCN 1480 DOOR CLOSER	-	-	-

NOTE: ALL EXTERIOR DOORS & STOREFRONT SYSTEMS MUST BE FACTORY LABELED WITH NFC 100 TESTED ASSY U VALUES, NFC 200 HEAT GAIN COEFFICIENTS AND NFC 400 TESTED ASSY LEAKAGE RATES



DOOR & WINDOW ABBREVIATIONS		DOOR NOTES	
NOTE: NOT ALL USED	LHR	LEFT HAND REVERSE	A) AT ALL SWINGING DOOR AND CASING OPENING FRAME JAMBS, PROVIDE DOUBLE 16 GAUGE METAL STUDS TO STRUCTURE ABOVE.
AL	T.O.M.	TOP OF MULLION	B) PROVIDE 4 FRAME ANCHOR CLIPS PER JAMB, TYPICAL. LOCATE CLIPS ABOVE AND BELOW TOP AND BOTTOM HINGES. SAME LOCATIONS FOR STRIKE JAMB.
FF	B.O.M.	BOTTOM OF MULLION	C) ALL FIRE RATED DOOR ASSEMBLIES, INCLUDING DOOR AND FRAME, SHALL COMPLY WITH CURRENT EDITION OF THE ADOPTED IBC FOR SMOKE AND DRAFT CONTROL. PROVIDE SMOKE SEALS AT HEAD AND BOTH JAMBS.
FTHK	RHA	RIGHT HAND ACTIVE	D) HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
F	RHR	RIGHT HAND REVERSE	E) ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
FG	STL	STEEL	F) MAXIMUM CHANGE OF FLOOR LEVEL AT DOORS SHALL NOT EXCEED 1/2". CHANGES GREATER THAN 1/4" SHALL BE BEVELED AT A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL.
HM	STS	STEEL SLATS	G) PROVIDE DOOR WALL STOPS AT HARDWARE LEVEL BEHIND ALL DOORS. PROVIDE FLOOR STOPS WHERE THERE IS NO REAR WALL FOR WALL STOP.
KYN	T	TEMPERED GLASS	H) ALL DOORS SHALL HAVE THE BOTTOM 10 INCHES WITH A SMOOTH UNINTERRUPTED SURFACE ON THE PUSH SIDE (ANSI 117.1 - SECTION 404.2.9).
MI	WG	1/4" CLEAR WIRE GLASS	I) ALL DOOR REQUIRED TO BE HANDICAPPED ACCESSIBLE SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90 DEGREES, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
SCW	WD	WOOD	J) ALL SWINGING DOORS SHALL COMPLY WITH THE CLEARANCE REQUIREMENTS FROM THE PUSH OR PULL SIDE OF THE DOOR PER ANSI 117.1 - SECTION 404.2.3.
SF	PNT	PAINT	K) IF A DOOR HAS A CLOSER, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
STN	PR	PRIMER	L) CLOSING DEVICES SHALL COMPLY WITH THE FOLLOWING: CLOSER PULL SHALL BE FIELD ADJUSTED SUCH THAT THE EFFORT REQUIRED TO OPEN THE DOOR SHALL COMPLY WITH IBC.
SV	GLD	GLASS DOOR	EXTERIOR DOORS: MAXIMUM 5.0 POUNDS INTERIOR DOORS: MAXIMUM 5.0 POUNDS FIRE DOORS: MAXIMUM 15.0 POUNDS
LH	SS	STAINLESS STEEL FINISH	M) ALL DOORS SHALL BE 1-3/4" THICK UNLESS OTHERWISE NOTED.
LHA	SPG	SAFETY GLASS	N) FOR CASING OR FRAMED OPENINGS, THE MINIMUM DISTANCE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD SHALL NOT BE LESS THAN 3/4".
	WTG	WOOD w/ TEMPERED GLASS	

FINISH LEGEND

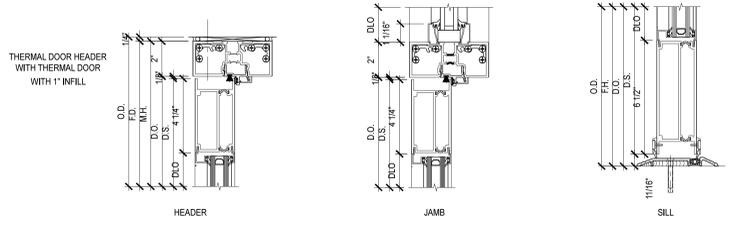
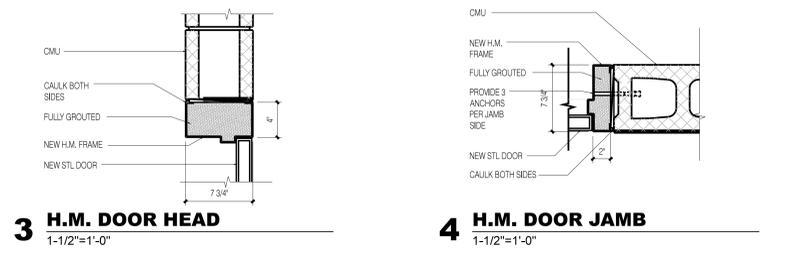
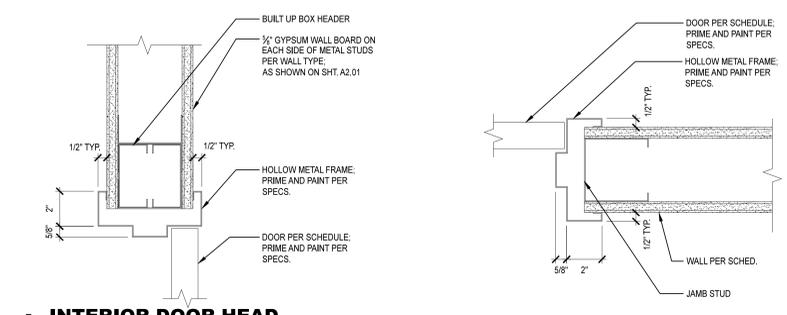
FLOOR FINISH
C1 CONCRETE FLOOR, SEALED.

BASE MATERIAL
B1 RUBBER BASE- 4.25" - RADIUS COVE.

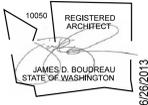
WALL FINISH
PT1 PAINT- VALSPAR #3008-10B, LIGHT RAFFIA
FRP1 WHITE FIBERGLAS REINFORCED PANEL.

CEILING FINISH
PT1 PAINT

ROOM NUMBER	ROOM NAME	FLOORS						WALLS					CEILING	GENERAL NOTES
		FLOOR	BASE	SOUTH	WEST	NORTH	EAST	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
	OFFICE	C1	B1	PT1	1) ALL GWB FINISHES SHALL BE SMOOTH, LEVEL 2 FINISH. 2) PAINT ALL EXPOSED GWB SURFACES: FIRE TAPE ALL GWB. 3) PAINT WALLS/CEILING USING (1) COAT PRIMER AND AT LEAST (2) COATS PAINT. 5) CEILING PAINT IN WET AREAS TO BE SEMI-GLOSS FINISH. ALL OTHER PAINT FINISHES TO BE SATIN FINISH.									
	STORAGE 1	C1	B1	PT1										
	RESTROOM	C1	FRP1	PT1/FRP1										
	STORAGE 2	C1	B1	PT1										



5 STOREFRONT DOOR DETAILS
3'-1'-0"



REGISTERED ARCHITECT
JAMES D. BOUDREAU
STATE OF WASHINGTON
10060

REGISTERED ELECTRICAL ENGINEER
JAMES D. BOUDREAU
STATE OF WASHINGTON
10060

**MCKINZIE BUSINESS PARK
BUILDING II**
2077 MCKINZIE LANE
LIBERTY LAKE, WA

eric@h1-design.com
eric@h1-design.net
208-755-2486 phone
208-265-9246 fax



MCKINZIE II

DATE	ISSUED FOR
07-15-16	PERMIT DRAWINGS

COPYRIGHT 2016
BOUDREAU ARCHITECTURE DESIGN STUDIO
ALL RIGHTS RESERVED. REPRODUCTION
OR TRANSLATION OF ANY PART OF THIS
WORK WITHOUT THE WRITTEN PERMISSION
OF BOUDREAU ARCHITECTURE DESIGN STUDIO
IS UNLAWFUL AND SUBJECT
TO CRIMINAL PROSECUTION.

DATE	JULY 15, 2016
DRAWN BY	JDB
CHECKED BY	ELH

SHEET NUMBER
A7.1

07-15-16 PERMIT DRAWINGS

STREET KEY NOTES:

- 1 SAWCUT EXISTING CURB AND GUTTER, SIDEWALK AND PAVEMENT AS SHOWN AND DISPOSE PER BMP REQUIREMENTS.
- 2 INSTALL CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 PER WSDOT DETAIL F-80.10-02 AS SHOWN ON SHEET 6.
- 3 INSTALL ASPHALT PAVEMENT SECTION TO MATCH EXISTING.
- 4 INSTALL 2" ASPHALT OVER 4" CRUSHED AGGREGATE BASE COURSE OVER COMPACTED APPROVED NATIVE SUB GRADE PER DETAIL ON SHEET 4.
- 5 INSTALL TYPE "B" STANDARD CURB AND GUTTER PER SPOKANE COUNTY STANDARD DRAWING A-3. SEE DETAIL ON SHEET 6.
- 6 INSTALL TYPE "A" STANDARD STRAIGHT CURB PER SPOKANE COUNTY STANDARD DRAWING A-3. SEE DETAIL ON SHEET 6.
- 7 INSTALL 5" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD DRAWING A-4. SEE DETAIL ON SHEET 6.
- 8 INSTALL 8'x10' TRASH ENCLOSURE PER WASTE MANAGEMENT REQUIREMENTS. INSTALL SIGHT OBSCURING FENCE/WALL PER THE CITY OF LIBERTY LAKE REQUIREMENTS AND THE DIRECTION OF THE OWNER.
- 9 INSTALL BIKE RACK PER THE APPROVAL OF THE OWNER ON 5'X5' CONCRETE PAD.
- 10 INSTALL ROCKERY WALL 4' MAX HEIGHT. SEE DETAIL ON SHEET 4.

STORMWATER KEY NOTES:

- 20 INSTALL CURB INLET TYPE 1, L=5', PER SPOKANE COUNTY STANDARD DRAWING B-8. SEE DETAIL ON SHEET 6.
- 21 CONSTRUCT GRASSED INFILTRATION AREA PER DETAIL ON SHEET 4.
- 22 INSTALL TYPE B DRYWELL PER SPOKANE COUNTY STANDARD DRAWING B-1a. SEE DETAIL ON SHEET 4.
- 23 INSTALL 6" SDR 35 PVC STORM DRAIN OR APPROVED EQUAL, AND FITTINGS AS REQUIRED, PER MANUFACTURERS REQUIREMENTS AND SPECIFICATIONS. SIZE AS SPECIFIED. SEE DETAIL ON SHEET 4.

SEWER AND WATER KEY NOTES:

- 30 EXISTING SANITARY SEWER MANHOLE. PROTECT IN PLACE.
- 31 EXISTING SANITARY SEWER MAIN. PROTECT IN PLACE. SIZE AS SPECIFIED.
- 32 INSTALL 6" SDR 35 PVC SANITARY SEWER SERVICE PER MANUFACTURER'S SPECIFICATIONS AND LLSWD STANDARD PLAN No. 7-18-A. SIZE, LENGTH AND SLOPE AS SPECIFIED. SEE DETAIL ON SHEET 6.
- 33 INSTALL SANITARY SEWER CLEANOUT PER LLSWD STANDARD PLAN No. 7-19-A. SEE DETAIL ON SHEET 6.
- 34 EXISTING DOMESTIC WATER MAIN. PROTECT IN PLACE. SIZE AS SPECIFIED.
- 35 EXISTING FIRE HYDRANT. PROTECT IN PLACE.
- 36 INSTALL 2" DOMESTIC WATER SERVICE AND 2" METER PER LLSWD STANDARD PLAN No. 7-15-A AND 7-15-D. SEE DETAIL ON SHEET 6.
- 37 INSTALL 1" IRRIGATION SERVICE AND 1" METER PER LLSWD STANDARD PLAN No. 7-15-A AND 7-15-D. SEE DETAIL ON SHEET 6.

STRIPING, SIGNAGE & CONDUIT KEY NOTES:

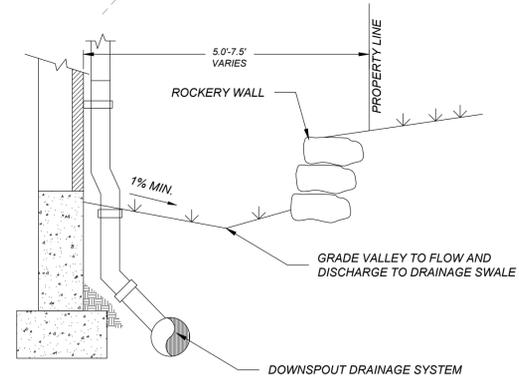
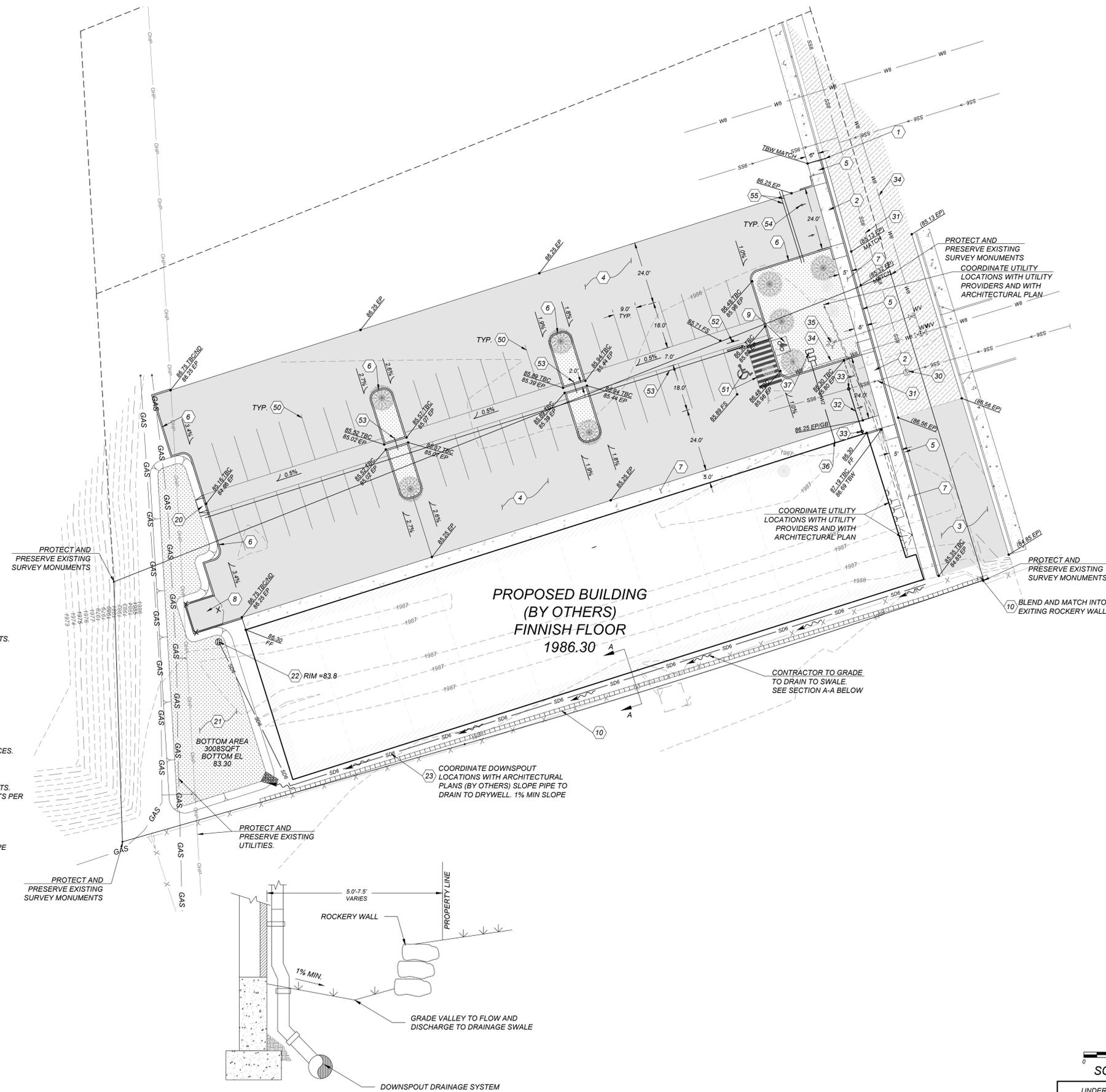
- 50 INSTALL 4" PARKING STRIPE PER WSDOT STANDARD PLAN M-17.10-02 AND CURRENT MUTCD REQUIREMENTS.
- 51 INSTALL ADA STRIPING PER WSDOT STANDARD PLAN M-17.10-02 AND CURRENT MUTCD REQUIREMENTS.
- 52 INSTALL ADA SIGN PER DETAIL ON SHEET 4.
- 53 INSTALL 4" CONDUIT AT 18" BURY DEPTH FOR IRRIGATION MAIN.
- 54 INSTALL DIRECTIONAL PAVEMENT MARKINGS PER CURRENT MUTCD REQUIREMENTS.
- 55 INSTALL 4" CONDUIT AT 32" BURY DEPTH FOR FUTURE UNDERGROUND UTILITIES.

NOTES:

1. SITE ADDRESSING SHALL BE PLACED ON THE BUILDING SO THAT IT IS VISIBLE TO EMERGENCY SERVICES. CONTRACTOR TO COORDINATE WITH SVFD FOR EXACT LOCATION AND SPECIFICATIONS.
2. CONTRACTOR TO COORDINATE KNOX BOX LOCATIONS WITH SVFD.
3. CONTRACTOR TO INSTALL 8'x10' TRASH ENCLOSURE PER WASTE WATER MANAGEMENT REQUIREMENTS. CONTRACTOR TO INSTALL SIGHT OBSCURING FENCE/WALL PER CITY OF LIBERTY LAKE REQUIREMENTS PER MUNICIPAL CODE 10-3C-3H.
4. INSTALL BIKE RACK PER THE APPROVAL OF THE OWNER.
5. THRUST BLOCKS NOT SHOWN FOR CLARITY. INSTALL AS REQUIRED PER LLSWD REQUIREMENTS.
6. LANDSCAPING SHOWN FOR REFERENCE ONLY COORDINATE WITH LANDSCAPE PLANS FOR LANDSCAPE PLANTINGS AND REQUIREMENTS PER CITY OF LIBERTY LAKE REQUIREMENTS.

SITE PLAN DATA TABLE

ZONE: LIGHT INDUSTRIAL
 SITE SIZE: 0.84 ac.
 BUILDING AREA: 15,041 sf
 LOT COVERAGE: 41%
 IMPERVIOUS SURFACE: 23,081 sf
 PARKING REQUIREMENTS
 STORAGE: 1 SPACE / 800 sf OF FLOOR
 15,041 sf / 800 sf = 18.8 SPACES
 REQUIRED: 19 SPACES
 TOTAL PROVIDED: 44 STANDARD SPACES
 1 ADA VAN ACCESSIBLE
 BICYCLE SPACES:
 1 SPACE PER / 10 REQD AUTO SPACES
 19 / 10 = 1.9
 TOTAL NEEDED: 2 SPACES



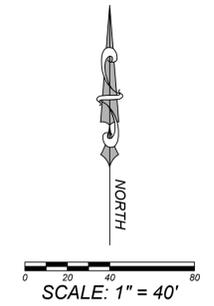
SECTION A-A
NTS

NO.	DESCRIPTION	REVISION BLOCK	INITIAL	DATE



PRELIMINARY
NOT FOR CONSTRUCTION

BETTS SITE IMPROVEMENTS
SITE PLAN
LIBERTY LAKE, WASHINGTON



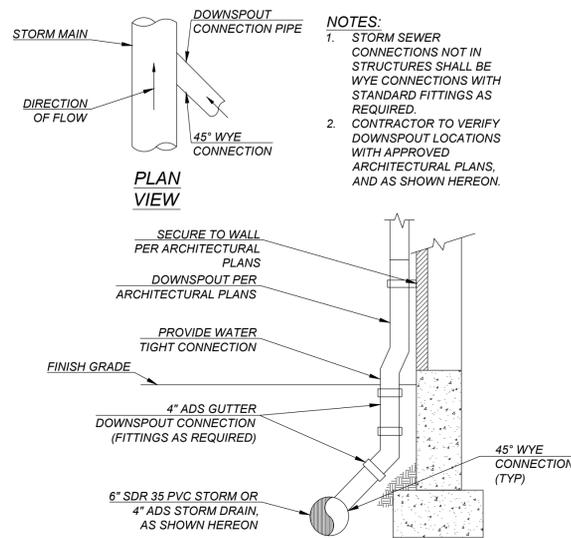
ONE INCH
AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

DESIGNED BY: PLM
 DRAFTED BY: PLM
 DATE: 7-15-2016
 JOB NO: LCE 16-031.1

UNDERGROUND SERVICE ALERT
 ONE-CALL NUMBER
811
 CALL TWO BUSINESS DAYS BEFORE YOU DIG
 WWW.DIGLINE.COM

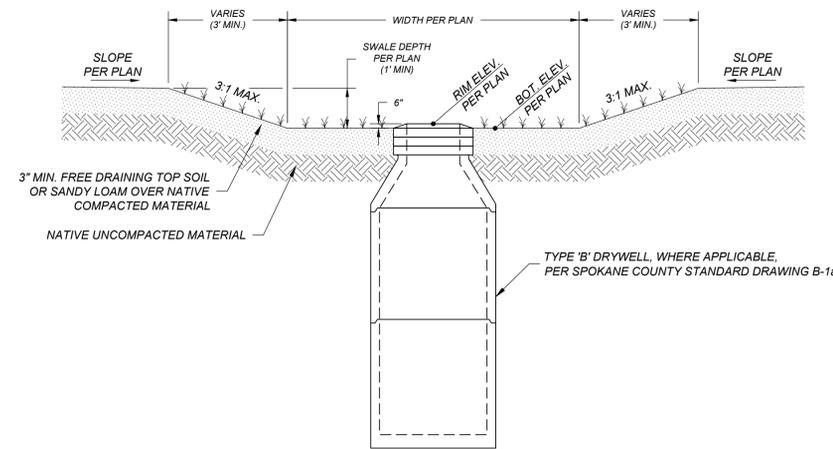
3
6

morlin, P:\betts\jul-15-2016 - 1:39pm - L:\2016\16-031\ACAD\16-031.1_SDP1.dwg



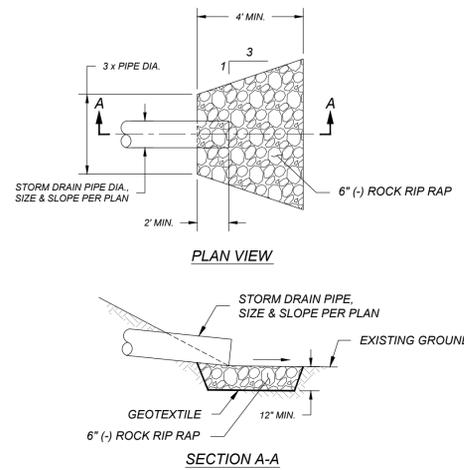
DOWNSPOUT DETAIL
N.T.S.

NOTES:
1. STORM SEWER CONNECTIONS NOT IN STRUCTURES SHALL BE WYE CONNECTIONS WITH STANDARD FITTINGS AS REQUIRED.
2. CONTRACTOR TO VERIFY DOWNSPOUT LOCATIONS WITH APPROVED ARCHITECTURAL PLANS, AND AS SHOWN HEREON.



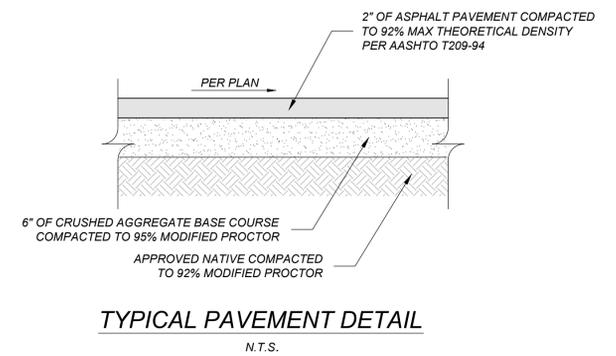
NOTES:
1. DRY WELLS SHALL BE CONSTRUCTED PER SPOKANE COUNTY STANDARD DRAWING B-1a AND THE STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON.
2. DO NOT COMPACT SWALE BACKFILL.
3. SWALE SHALL BE HYDROSEEDDED WITH APPROPRIATE GRASS MIXTURE IN ACCORDANCE WITH STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON.

TYPICAL GRASSY SWALE DETAIL
N.T.S.

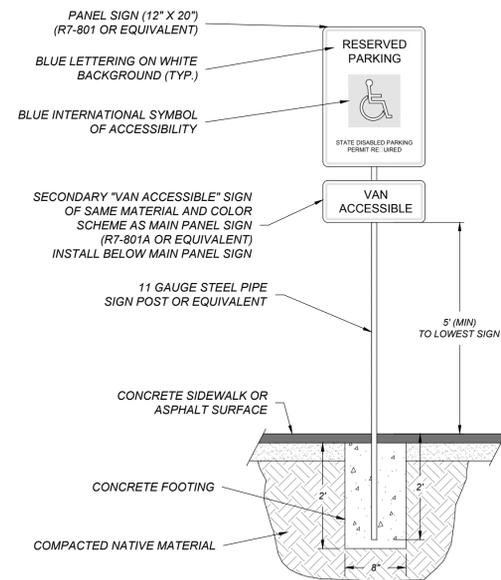


NOTE:
1. ALL STORM DRAIN OUTLETS SHALL HAVE ROCK RIP RAP OUTFALL AS SHOWN.

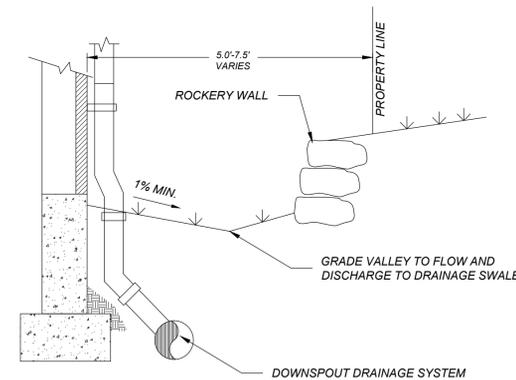
RIP RAP OUTFALL DETAIL
N.T.S.



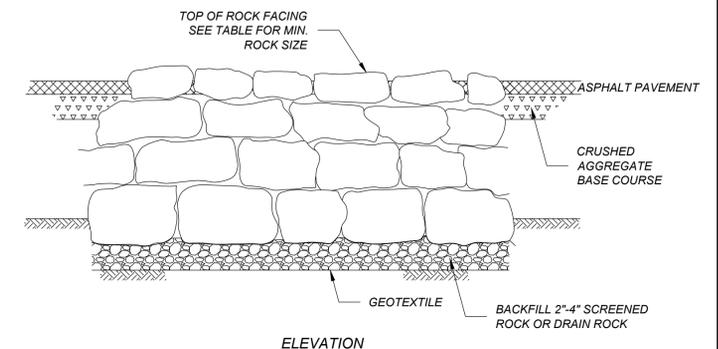
TYPICAL PAVEMENT DETAIL
N.T.S.



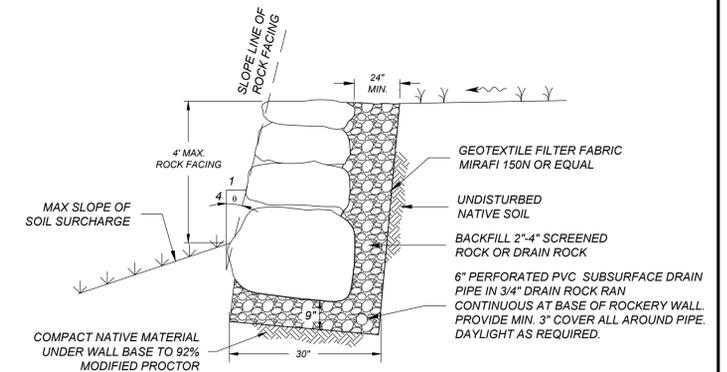
ADA SIGNAGE DETAIL
N.T.S.



ADA SIGNAGE DETAIL
N.T.S.



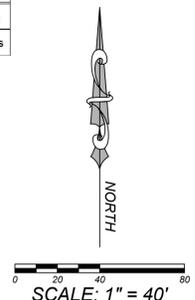
ELEVATION



SECTION

Rockery Height	Base Width	Base Depth	Minimum Rock Size*			
			Base of Wall		Top of Wall	
			Size	Weight	Size	Weight
2 ft	12 in	3 in	18 in	215 lbs	12 in	51 lbs
4 ft	24 in	6 in	26 in	706 lbs	18 in	215 lbs

ROCK WALL DETAIL
N.T.S.



NO.	DESCRIPTION	REVISION BLOCK	INITIAL	DATE



PRELIMINARY
NOT FOR CONSTRUCTION

BETTS SITE IMPROVEMENTS
EXISTING CONDITIONS, DEMOLITION, AND ERSION CONTROL MEASURES
LIBERTY LAKE, WASHINGTON

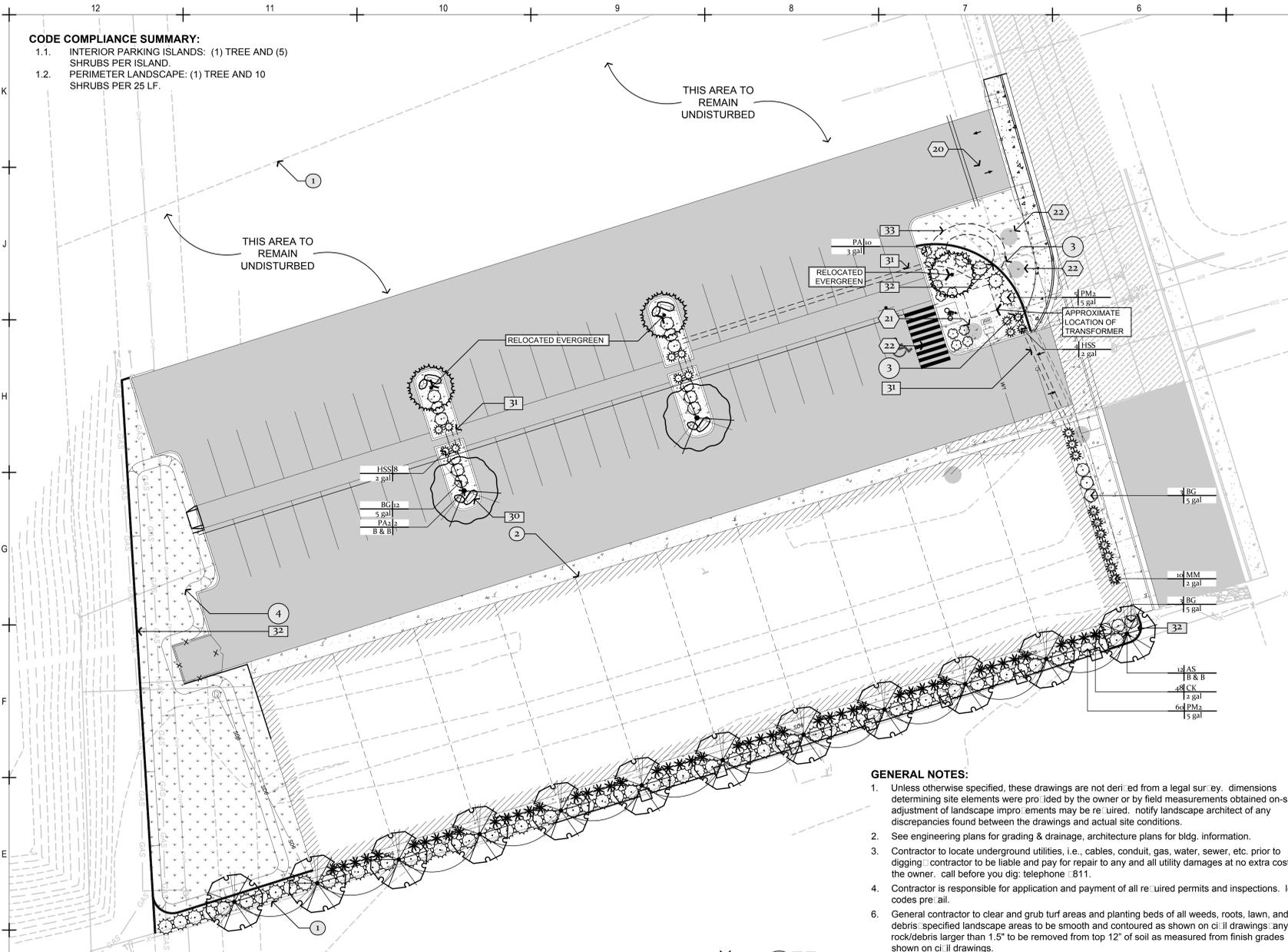


DESIGNED BY: PLM
DRAFTED BY: PLM
DATE: 7-15-2016
JOB NO: LCE 16-031.1

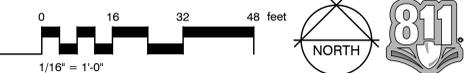
4
6

morlin, Plotter: Jul 15, 2016 - 1:39pm, L:\2016\16-031\ACAD\16-031.1_SDP1.dwg

CODE COMPLIANCE SUMMARY:
 1.1. INTERIOR PARKING ISLANDS: (1) TREE AND (5) SHRUBS PER ISLAND.
 1.2. PERIMETER LANDSCAPE: (1) TREE AND 10 SHRUBS PER 25 LF.



LANDSCAPE PLAN
 SCALE: AS SHOWN



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
1	PROPERTY LINE		
2	PROPOSED BUILDING		
3	EXISTING UTILITIES		
4	STORM WATER TREATMENT SWALE, SEE CIVIL PLANS		
20	EXISTING TREE TO REMAIN, PROTECT IN PLACE		
21	EXISTING TREE TO BE REMOVED		
22	EXISTING TREE TO BE RELOCATED		
30	BASALT LANDSCAPE BOULDER.	8 L1.0	
31	IRRIGATION SLEEVE. SEE IRRIGATION PLAN.		
32	EXTRUDED CONCRETE EDGE (4X6 FLAT PROFILE, CHARCOAL COLOR) BETWEEN ALL NATIVE AND LANDSCAPE BED AREAS.	281 LF	7 L1.0
33	LANDSCAPE BERM. COORDINATE WITH CIVIL GRADING PLANS. LINES INDICATE 12" CONTOUR LINE.		

PLANT SCHEDULE

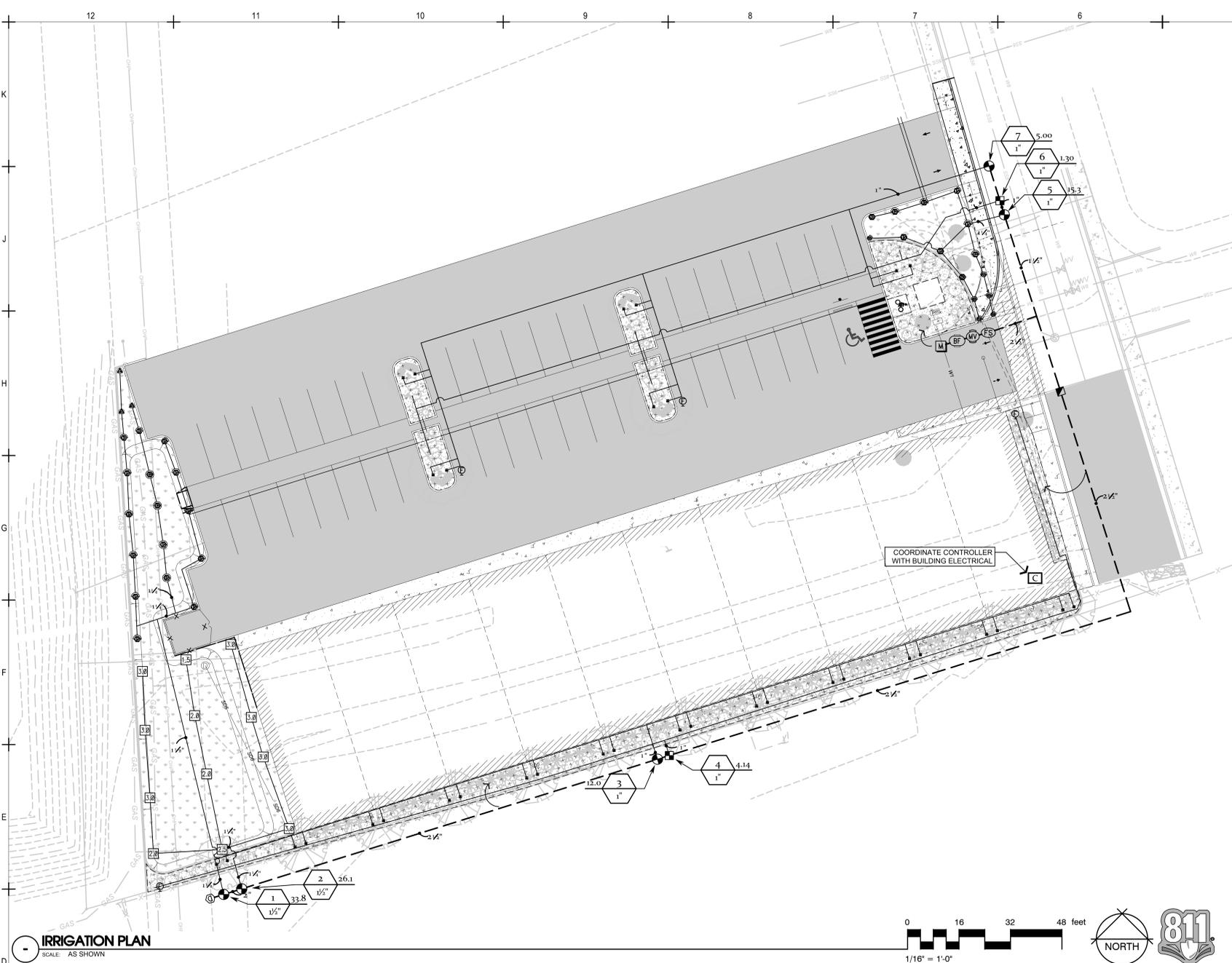
SYMBOL	DESCRIPTION	QTY	DETAIL
PA2	PA2	2	2 L1.0
PA	SHRUBS	10	4 L1.0
PM2	PM2	65	4 L1.0
BG	BG	18	4 L1.0
HSS	GRASSES	12	4 L1.0
MM	MM	10	4 L1.0
CK	CK	48	4 L1.0

IRRIGATION SCHEDULE

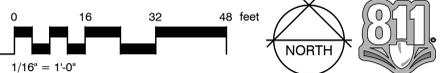
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY	PSI
ES LS RCS CS SS	HUNTER PROS-04 5' STRIP SPRAY TURF SPRAY, 4.0" POP-UP, CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	1	30
Q T H P	HUNTER PROS-04 8' RADIUS TURF SPRAY, 4.0" POP-UP, CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	6	30

GENERAL NOTES:
 1. Unless otherwise specified, these drawings are not derived from a legal survey. Dimensions determining site elements were provided by the owner or by field measurements obtained on-site. Adjustment of landscape improvements may be required. Notify landscape architect of any discrepancies found between the drawings and actual site conditions.
 2. See engineering plans for grading & drainage, architecture plans for bldg. information.
 3. Contractor to locate underground utilities, i.e., cables, conduit, gas, water, sewer, etc. prior to digging. Contractor to be liable and pay for repair to any and all utility damages at no extra cost to the owner. Call before you dig; telephone 811.
 4. Contractor is responsible for application and payment of all required permits and inspections. Local codes prevail.
 5. General contractor to clear and grub turf areas and planting beds of all weeds, roots, lawn, and debris. Specified landscape areas to be smooth and contoured as shown on civil drawings. Any rock/debris larger than 1.5" to be removed from top 12" of soil as measured from finish grades shown on civil drawings.
 6. General contractor to provide rough grade in all landscape areas within 0.10 foot of grade shown on civil drawings minus depth of specified topsoil.
 7. Provide 4" sch. 40 pipe irrigation sleeves as required. All sleeves shall extend a min. of 18" beyond the features they cross & shall be capped with duct tape to prevent debris from plugging the ends. Mark sleeves locations with survey lath, painted fluorescent orange and labeled with site and utility information.

LANDSCAPE NOTES:
 1. The contractor shall maintain a qualified supervisor on the site at all times during construction through completion of final punchlist work.
 2. The contractor shall verify all plant material quantities prior to installation. Any plant material quantities listed are for the convenience of the contractor. Actual number of symbols shall have priority over quantity designated.
 3. The contractor shall furnish and pay for all container or field grown trees, shrubs and vines, including seeded and sodded turf, hydromulches and flattened groundcovers. The contractor shall also be responsible for: planting of all plant materials; the specified guarantee of all plant materials; the staking and guying of trees and the continuous protection of all plant materials upon their arrival at the site.
 4. All plant material shall be subject to approval by the landscape architect and/or owner prior to installation.
 5. Contractor to place top soil to a depth of 4", unless otherwise noted. Import topsoil shall consist of sandy loam; nontoxic, free of noxious weeds, grass, brush, sticks, or rocks greater than 1/2" in diameter unless otherwise noted. Submit sample to landscape architect for review and approval prior to placement.
 6. Contractor to raise finish grade smooth and natural. No slope to exceed 3:1.
 7. Contractor to place two applications of pre-emergent herbicide (above and below) top dressing (mulch) in planter beds: pre-emergent to consist of (a-a) trifluralin, (b-b) pendimethalin, (c-c) alachlor, (d-d) flazasulfuron, (e-e) imazethapyr, (f-f) metolachlor, (g-g) pendimethalin, (h-h) trifluralin, (i-i) flazasulfuron, (j-j) imazethapyr, (k-k) metolachlor, (l-l) pendimethalin, (m-m) trifluralin, (n-n) flazasulfuron, (o-o) imazethapyr, (p-p) metolachlor, (q-q) pendimethalin, (r-r) trifluralin, (s-s) flazasulfuron, (t-t) imazethapyr, (u-u) metolachlor, (v-v) pendimethalin, (w-w) trifluralin, (x-x) flazasulfuron, (y-y) imazethapyr, (z-z) metolachlor, (aa-aa) pendimethalin, (bb-bb) trifluralin, (cc-cc) flazasulfuron, (dd-dd) imazethapyr, (ee-ee) metolachlor, (ff-ff) pendimethalin, (gg-gg) trifluralin, (hh-hh) flazasulfuron, (ii-ii) imazethapyr, (jj-jj) metolachlor, (kk-kk) pendimethalin, (ll-ll) trifluralin, (mm-mm) flazasulfuron, (nn-nn) imazethapyr, (oo-oo) metolachlor, (pp-pp) pendimethalin, (qq-qq) trifluralin, (rr-rr) flazasulfuron, (ss-ss) imazethapyr, (tt-tt) metolachlor, (uu-uu) pendimethalin, (vv-vv) trifluralin, (ww-ww) flazasulfuron, (xx-xx) imazethapyr, (yy-yy) metolachlor, (zz-zz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) trifluralin, (yyy-yyy) flazasulfuron, (zzz-zzz) imazethapyr, (aaa-aaa) metolachlor, (bbb-bbb) pendimethalin, (ccc-ccc) trifluralin, (ddd-ddd) flazasulfuron, (eee-eee) imazethapyr, (fff-fff) metolachlor, (ggg-ggg) pendimethalin, (hhh-hhh) trifluralin, (iii-iii) flazasulfuron, (jjj-jjj) imazethapyr, (kkk-kkk) metolachlor, (lll-lll) pendimethalin, (mmm-mmm) trifluralin, (nnn-nnn) flazasulfuron, (ooo-ooo) imazethapyr, (ppp-ppp) metolachlor, (qqq-qqq) pendimethalin, (rrr-rrr) trifluralin, (sss-sss) flazasulfuron, (ttt-ttt) imazethapyr, (uuu-uuu) metolachlor, (vvv-vvv) pendimethalin, (www-www) trifluralin, (xxx-xxx) flazasulfuron, (yyy-yyy) imazethapyr, (zzz-zzz) metolachlor, (aaa-aaa) pendimethalin, (bbb-bbb) trifluralin, (ccc-ccc) flazasulfuron, (ddd-ddd) imazethapyr, (eee-eee) metolachlor, (fff-fff) pendimethalin, (ggg-ggg) trifluralin, (hhh-hhh) flazasulfuron, (iii-iii) imazethapyr, (jjj-jjj) metolachlor, (kkk-kkk) pendimethalin, (lll-lll) trifluralin, (mmm-mmm) flazasulfuron, (nnn-nnn) imazethapyr, (ooo-ooo) metolachlor, (ppp-ppp) pendimethalin, (qqq-qqq) trifluralin, (rrr-rrr) flazasulfuron, (sss-sss) imazethapyr, (ttt-ttt) metolachlor, (uuu-uuu) pendimethalin, (vvv-vvv) trifluralin, (www-www) flazasulfuron, (xxx-xxx) imazethapyr, (yyy-yyy) metolachlor, (zzz-zzz) pendimethalin, (aaa-aaa) trifluralin, (bbb-bbb) flazasulfuron, (ccc-ccc) imazethapyr, (ddd-ddd) metolachlor, (eee-eee) pendimethalin, (fff-fff) trifluralin, (ggg-ggg) flazasulfuron, (hhh-hhh) imazethapyr, (iii-iii) metolachlor, (jjj-jjj) pendimethalin, (kkk-kkk) trifluralin, (lll-lll) flazasulfuron, (mmm-mmm) imazethapyr, (nnn-nnn) metolachlor, (ooo-ooo) pendimethalin, (ppp-ppp) trifluralin, (qqq-qqq) flazasulfuron, (rrr-rrr) imazethapyr, (sss-sss) metolachlor, (ttt-ttt) pendimethalin, (uuu-uuu) trifluralin, (vvv-vvv) flazasulfuron, (www-www) imazethapyr, (xxx-xxx) metolachlor, (yyy-yyy) pendimethalin, (zzz-zzz) trifluralin, (aaa-aaa) flazasulfuron, (bbb-bbb) imazethapyr, (ccc-ccc) metolachlor, (ddd-ddd) pendimethalin, (eee-eee) trifluralin, (fff-fff) flazasulfuron, (ggg-ggg) imazethapyr, (hhh-hhh) metolachlor, (iii-iii) pendimethalin, (jjj-jjj) trifluralin, (kkk-kkk) flazasulfuron, (lll-lll) imazethapyr, (mmm-mmm) metolachlor, (nnn-nnn) pendimethalin, (ooo-ooo) trifluralin, (ppp-ppp) flazasulfuron, (qqq-qqq) imazethapyr, (rrr-rrr) metolachlor, (sss-sss) pendimethalin, (ttt-ttt) trifluralin, (uuu-uuu) flazasulfuron, (vvv-vvv) imazethapyr, (www-www) metolachlor, (xxx-xxx) pendimethalin, (yyy-yyy) trifluralin, (zzz-zzz) flazasulfuron, (aaa-aaa) imazethapyr, (bbb-bbb) metolachlor, (ccc-ccc) pendimethalin, (ddd-ddd) trifluralin, (eee-eee) flazasulfuron, (fff-fff) imazethapyr, (ggg-ggg) metolachlor, (hhh-hhh) pendimethalin, (iii-iii) trifluralin, (jjj-jjj) flazasulfuron, (kkk-kkk) imazethapyr, (lll-lll) metolachlor, (mmm-mmm) pendimethalin, (nnn-nnn) trifluralin, (ooo-ooo) flazasulfuron, (ppp-ppp) imazethapyr, (qqq-qqq) metolachlor, (rrr-rrr) pendimethalin, (sss-sss) trifluralin, (ttt-ttt) flazasulfuron, (uuu-uuu) imazethapyr, (vvv-vvv) metolachlor, (www-www) pendimethalin, (xxx-xxx) triflural



IRRIGATION PLAN
SCALE: AS SHOWN



CRITICAL ANALYSIS

Generated: 2016-07-17 17:06

P.O.C. NUMBER: 01
Water Source Information: 65 psi Assumed
A. available. Install pressure reducer if psi exceed 80 psi.

FLOW AVAILABLE
Water Meter Size: 1"
Flow A. available: 37.50 gpm

PRESSURE AVAILABLE
Static Pressure at POC: 65.00 psi
Elevation Change: 5.00 ft
Series Line Size: 1.12"
Length of Series Line: 20.00 ft
Pressure Available: 62.00 psi

DESIGN ANALYSIS
Maximum Multi-alle Flow: 37.00 gpm
Flow A. available at POC: 37.50 gpm
Residual Flow A. available: 0.50 gpm

Critical Station:
Design Pressure: 30.00 psi
Elevation Loss: 0.00 psi
Friction Loss: 2.78 psi
Fittings Loss: 0.28 psi
Loss through Valve: 6.10 psi
Pressure Red. at Critical Station: 39.16 psi
Loss for Fittings: 0.18 psi
Loss for Main Line: 1.81 psi
Loss for POC to Valve Elevation: 0.00 psi
Loss for Backflow: 6.50 psi
Loss for Master Valve: 6.10 psi
Loss for Water Meter: 8.25 psi
Critical Station Pressure at POC: 62.00 psi
Pressure A. available: 62.00 psi
Residual Pressure A. available: 0.00 psi

GENERAL IRRIGATION NOTES:

- THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
- DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. THEY SHALL COORDINATE THEIR WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS HER WORK AND PLAN THEIR WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.
- EACH CONTROLLER SHALL HAVE ITS OWN INDEPENDENT GROUND WIRE.
- REMOTE CONTROL VALVES SHALL BE WIRED TO CONTROLLER IN SEQUENCE AS SHOWN ON PLANS. RUN WIRE FROM EACH RCV TO THE CONTROLLER. SPLICING WIRES TOGETHER OUTSIDE OF VALVE BOXES WILL NOT BE PERMITTED.
- SPLICING OF 24-VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN. TAPE WIRE IN BUNDLES 10 FEET ON CENTER. NO TAPING PERMITTED INSIDE SLEEVES.
- INSTALL A SPARE CONTROL WIRE OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER SHRUB AREAS WHERE POSSIBLE (NOT IN LAWN AREA.)
- INSTALL VALVE BOXES MINIMUM 12" FROM AND PERPENDICULAR TO WALK, CURB, LAWN, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE MINIMUM 12" APART. SHORT SIDE OF VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
- LOCATE QUICK COUPLING VALVES 12" FROM LANDSCAPE (IF SHOWN).
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.
- THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER, THIRD OR HALF CIRCLE HEAD AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SLEEVES AND CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.
- ALL LATERAL PIPING BENEATH PAVED AREAS SHALL BE RAN THROUGH MIN. 4" DIA. SCHEDULE 40 PVC SLEEVE AS SHOWN.
- THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- OPERATE IRRIGATION CONTROLLER(S) BETWEEN THE HOURS OF 9:00 PM AND 5:00 AM TO MINIMIZE CONFLICTS WITH PEDESTRIANS AND VEHICULAR PARKING OR TRAFFIC.
- IRRIGATION CONTRACTOR TO NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.
- IRRIGATION CONTRACTOR TO PROVIDE A MEANS FOR SYSTEM BLOW-OUT AND WINTERIZATION.
- COORDINATE NEW IRRIGATION SYSTEM WITH EXISTING IRRIGATION SYSTEM(S) WHEN APPLICABLE.
- FOLLOWING FINAL ACCEPTANCE, SCHEDULE AND PERFORM A "WALK-THROUGH" WITH OWNER OWNER REPRESENTATIVE TO INSTRUCT AS TO PROPER OPERATION, REPAIR, WINTERIZATION AND START-UP OF IRRIGATION SYSTEM.

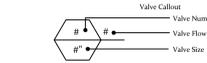
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY	PSI	DETAIL
ES LCS RCS CS SS	HUNTER PROS-04 5 STRIP SPRAY TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	1	30	9.L3.0
Q T H F	HUNTER PROS-04 8 RADIUS TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	6	30	9.L3.0
Q T H F	HUNTER PROS-04 10 RADIUS TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	2	30	9.L3.0
Q T H TT TG F	HUNTER PROS-04 12 RADIUS TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	4	30	9.L3.0
Q T H TT TO F	HUNTER PROS-04 15 RADIUS TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	15	30	9.L3.0
Q T H TT TO F	HUNTER PROS-04 ADJ TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	4	30	9.L3.0
ES LCS RCS CS SS	HUNTER PROS-04 5 STRIP SPRAY TURF SPRAY, 4.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	2	30	9.L3.0
■	HUNTER RZWS-SLEEVE-36-50CV 36" LONG RZWS WITH FILTER FABRIC SLEEVE, CHECK VALVE, 0.50 GPM BUBBLER, 1.2" SWING JOINT FOR CONNECTION TO 1.2" PIPE	34	20	8.L3.0

SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY	PSI	GPM	RADIUS	DETAIL
1.3	HUNTER PGJ-04 TURF ROTOR, 4.0" POP-UP. ADJUSTABLE AND FULL CIRCLE.	1	30	1.30	17'	9.L3.0
2.0	HUNTER PGJ-04 TURF ROTOR, 4.0" POP-UP. ADJUSTABLE AND FULL CIRCLE.	3	30	1.70	20'	9.L3.0
2.3	HUNTER PGJ-04 TURF ROTOR, 4.0" POP-UP. ADJUSTABLE AND FULL CIRCLE.	1	30	2.20	22'	9.L3.0
3.0	HUNTER PGJ-04 TURF ROTOR, 4.0" POP-UP. ADJUSTABLE AND FULL CIRCLE.	7	30	2.50	25'	9.L3.0

SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY	DETAIL
■	HUNTER ICZ-101-25 DRIP CONTROL ZONE KIT. 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	2	7.L3.0
⊕	FLUSH VALVE 3/4" PVC BALL VALVE IN 10" VALVE BOX.	4	17.L3.0
■	AREA TO RECEIVE DRIP EMITTERS HUNTER HE-B POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 6.0 GPH. CAN BE INSERTED INTO 1.2" AND 3/4" TUBING AND HAVE PRESSURE COMPENSATING FROM 15-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE. Emitter Notes: 10HE-B emitters (2 assigned to each 2 gal plant) 10HE-B emitters (2 assigned to each 3 gal plant) 10HE-B emitters (2 assigned to each 5 gal plant)	3,598 S.F.	16.L3.0

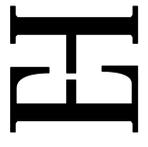
SYMBOL	MANUFACTURER MODEL DESCRIPTION	QTY	DETAIL
⊕	HUNTER ICV-G (2) 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET OUTLET, FOR COMMERCIAL MUNICIPAL USE.	5	
■	HUNTER H-133DLRC QUICK COUPLER VALVE, YELLOW LOCKING RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 3/4" NPT INLET, 2-PIECE BODY.	1	4.L3.0
⊕	HUNTER ICV-G-FS 1-1/2" 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET OUTLET, FOR COMMERCIAL MUNICIPAL USE, WITH FILTER SENTRY.	1	2.L3.0
⊕	DRAIN VALVE	1	5.L3.0
⊕	FEBCO 850 1-1/2" DOUBLE CHECK BACKFLOW PREVENTION, 1 2" TO 2"	1	1.L3.0
LC	HUNTER IC-1200-M MODULAR CONTROLLER, 12 STATIONS, OUTDOOR MODEL, METAL CABINET. COMMERCIAL USE. WITH ONE ICM-600 MODULE INCLUDED.	1	13.L3.0
ES	HUNTER HFS-200 FLOW SENSOR FOR USE WITH ACC. CONTROLLER. 2" SCHEDULE 40 SENSOR BODY, 24 VAC, 2 AMP.	1	3.L3.0
M	WATER METER 1" 65 PSI ASSUMED AVAILABLE. INSTALL PRESSURE REDUCER IF PSI EXCEED 80 PSI.	1	1.L3.0
---	IRRIGATION LATERAL LINE: BLU-LOCK AND PVC CLASS 200 BLU-LOCK PIPE, AS MANUFACTURED BY HYDRO RAIN, 1.2" TO 1", THEN PVC CLASS 200 FOR 1-1/4" AND LARGER. ONLY LATERAL TRANSITION PIPE SIZES 1 1/4" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE.	2,092 L.F.	10.L3.0
---	IRRIGATION MAINLINE: PVC SCHEDULE 40 PVC SCHEDULE 40 IRRIGATION PIPE.	477.9 L.F.	10.L3.0



LANDSCAPE ARCHITECT
JOSHUA K. TRIPP
CERTIFICATE NO. 896

**MCKINZIE BUSINESS PARK
BUILDING II**
2077 MCKINZIE LANE
LIBERTY LAKE, WA

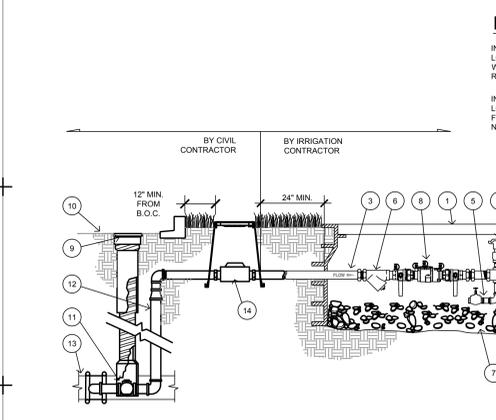
erichedlund design llc
Copyright © 2016
2088-265-8246 phone
2088-265-8246 fax
erich@eh-design.net



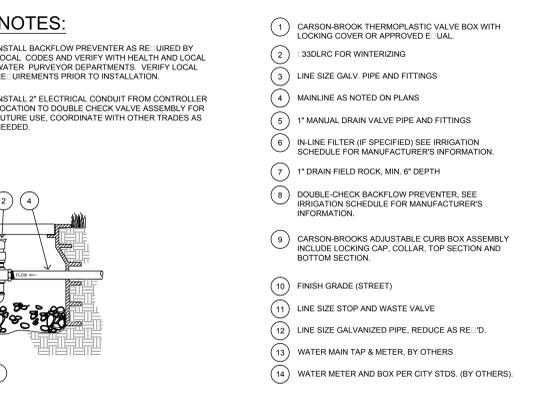
MCKINZIE II

DATE: MAY 18, 2016
ISSUED FOR: JOB NUMBER: JOB NUMBER: ELH
PERMIT DRAWINGS
SHEET NUMBER: L3.0

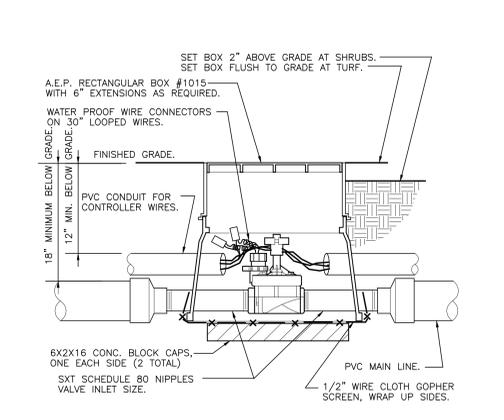
07-15-16 PERMIT DRAWINGS



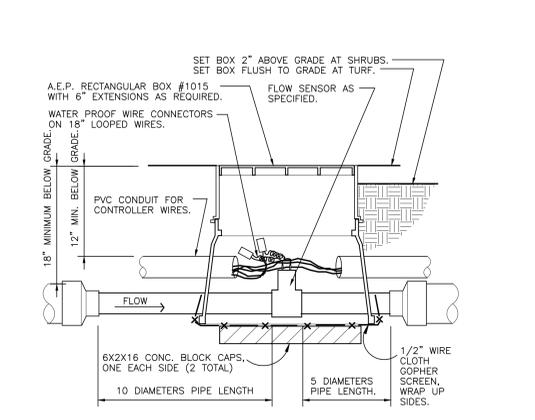
1 IRRIGATION BACKFLOW W/ CITY METER AND CURB STOP
NTS
P-CO-2-MCKE-84



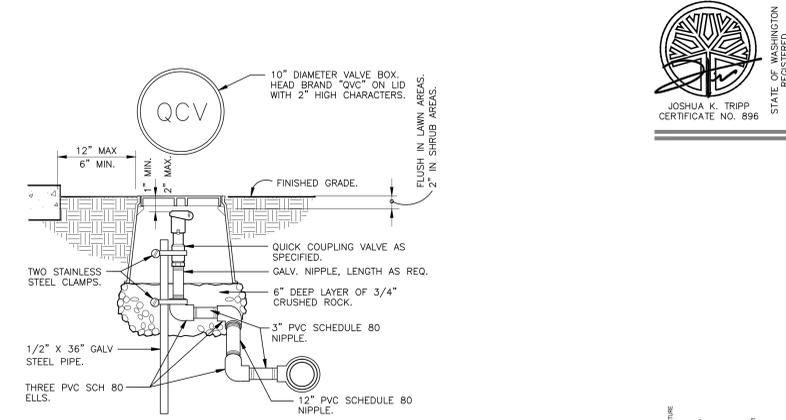
2 MASTER CONTROL VALVE
NTS
P-CO-2-MCKE-13



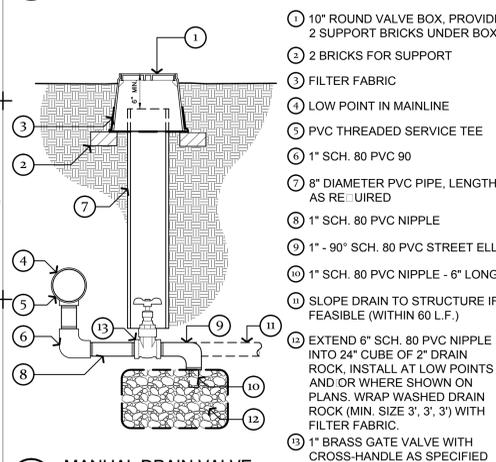
3 FLOW SENSOR ASSEMBLY
NTS
P-CO-2-MCKE-26



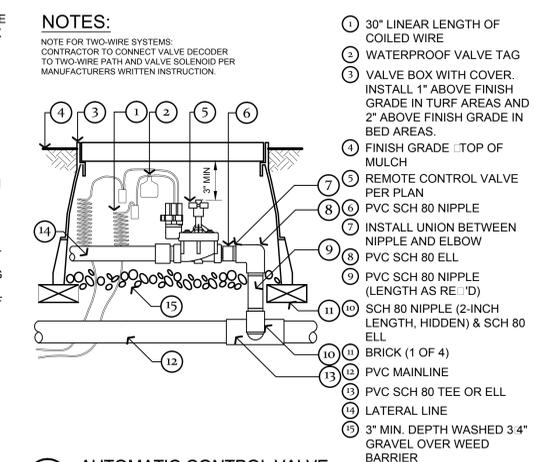
4 QUICK COUPLING VALVE IN BOX
NTS
P-CO-2-MCKE-75



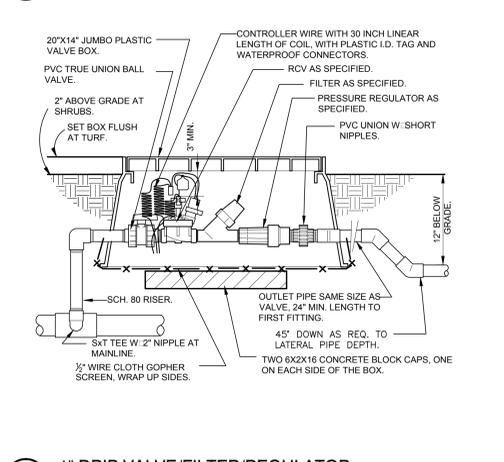
5 MANUAL DRAIN VALVE
NTS
P-CO-2-MCKE-07



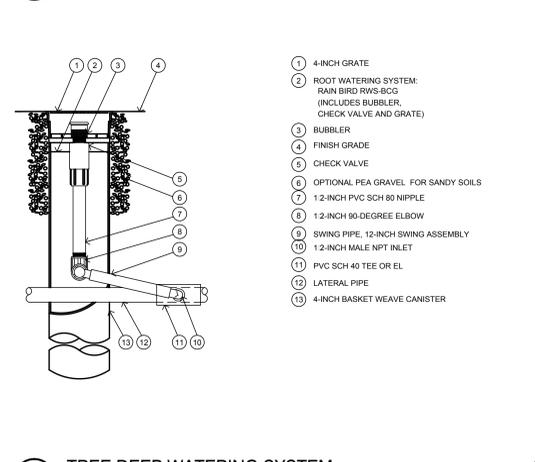
6 AUTOMATIC CONTROL VALVE
1" x 1"
P-CO-2-MCKE-38



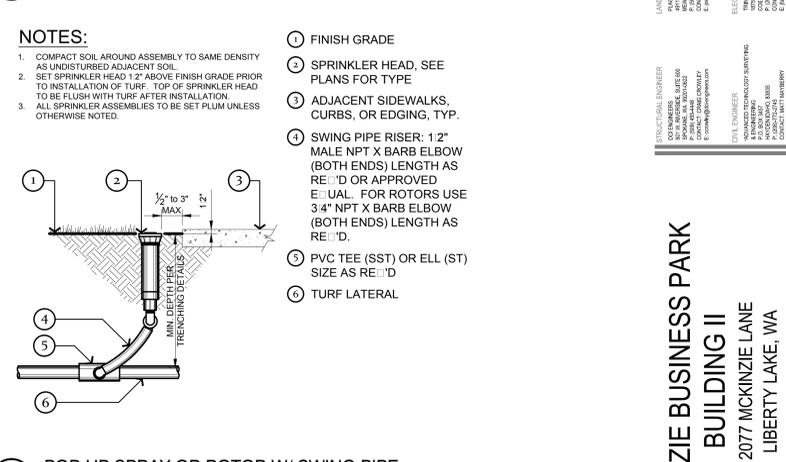
7 1" DRIP VALVE/FILTER/REGULATOR
NTS
P-CO-2-MCKE-16



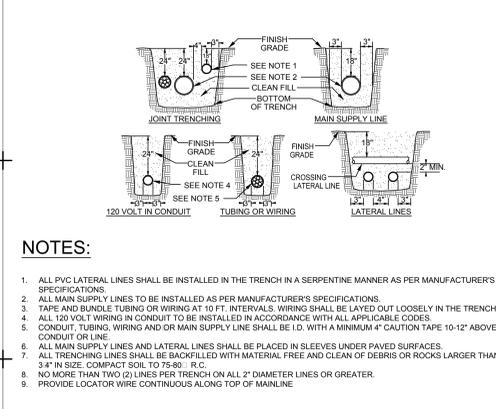
8 TREE DEEP WATERING SYSTEM
NTS
P-CO-2-MCKE-15



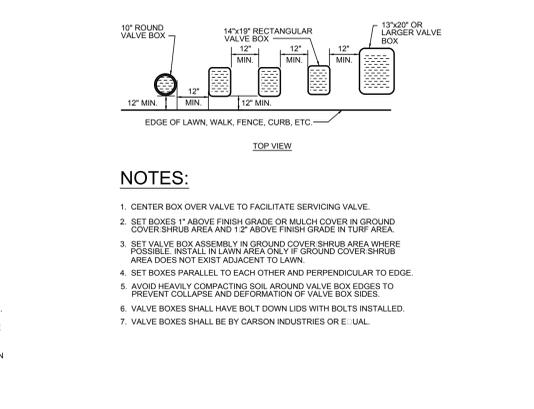
9 POP-UP SPRAY OR ROTOR W/ SWING PIPE
NTS
P-CO-2-MCKE-39



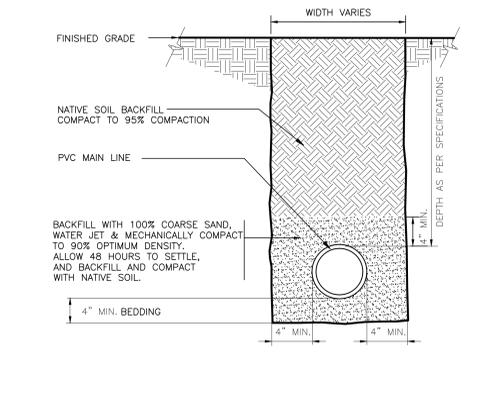
10 IRRIGATION LINE TRENCHING
NTS
P-CO-2-MCKE-09



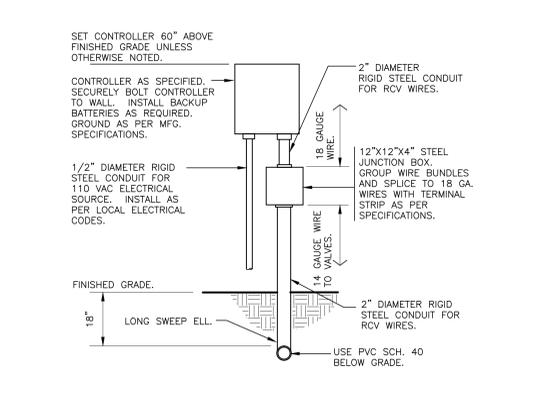
11 IRRIGATION VALVE BOX LAYOUT & INSTALLATION
NTS
P-CO-2-MCKE-30



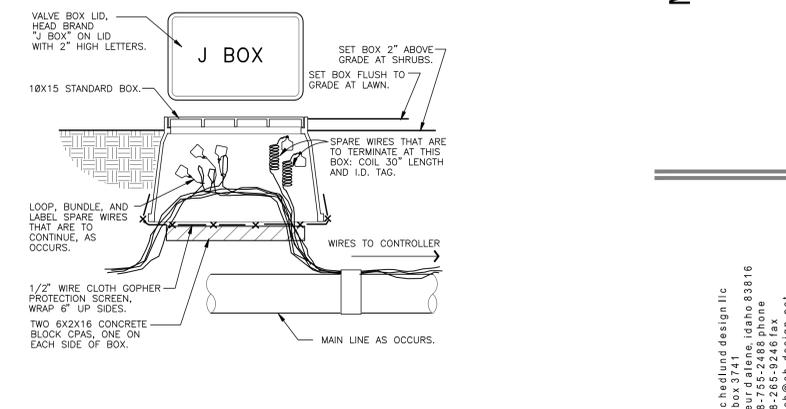
12 SLEEVE AT ROAD
NTS
P-CO-2-MCKE-45



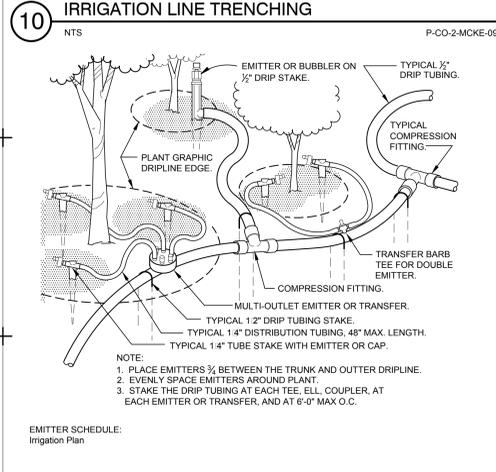
13 WALL MOUNT CONTROLLER
1" x 1"
P-CO-2-MCKE-14



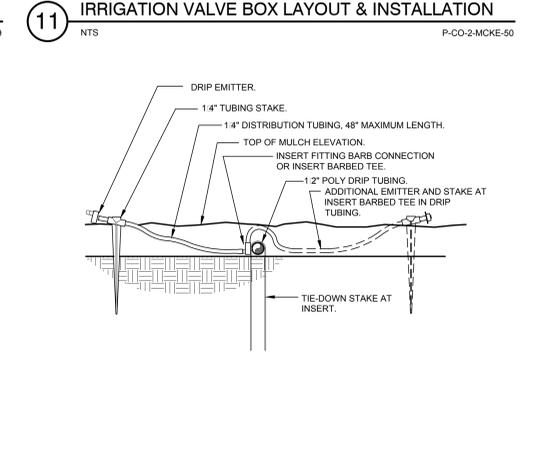
14 WIRE BUNDLE JUNCTION BOX
NTS
P-CO-2-MCKE-48



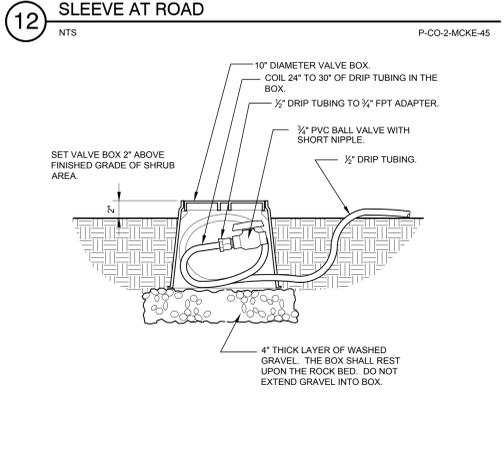
15 TYPICAL DRIP TUBE EMITTER LAYOUT
nts
P-CO-2-MCKE-88



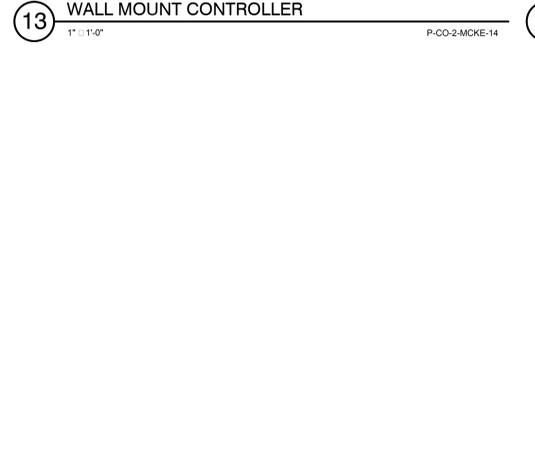
16 TYPICAL DRIP EMITTER LAYOUT
nts
P-CO-2-MCKE-89



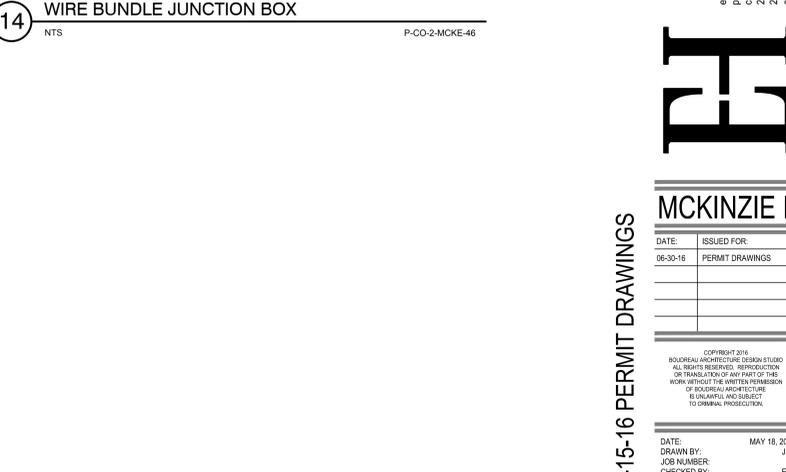
17 MANUAL FLUSH VALVE
nts
P-CO-2-MCKE-87



18 TYPICAL DRIP TUBE EMITTER LAYOUT
nts
P-CO-2-MCKE-87



19 TYPICAL DRIP TUBE EMITTER LAYOUT
nts
P-CO-2-MCKE-87



20 TYPICAL DRIP TUBE EMITTER LAYOUT
nts
P-CO-2-MCKE-87

NOTES:
INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND VERIFY WITH HEALTH AND LOCAL WATER PURVEYOR DEPARTMENTS. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.
INSTALL 2" ELECTRICAL CONDUIT FROM CONTROLLER LOCATION TO DOUBLE CHECK VALVE ASSEMBLY FOR FUTURE USE. COORDINATE WITH OTHER TRADES AS NEEDED.

- 1 CARSON-BROOK THERMOPLASTIC VALVE BOX WITH LOCKING COVER OR APPROVED E. L.A.L.
- 2 330LRC FOR WINTERIZING
- 3 LINE SIZE GALV. PIPE AND FITTINGS
- 4 MAINLINE AS NOTED ON PLANS
- 5 1" MANUAL DRAIN VALVE PIPE AND FITTINGS
- 6 INLINE FILTER (IF SPECIFIED) SEE IRRIGATION SCHEDULE FOR MANUFACTURER'S INFORMATION.
- 7 1" DRAIN FIELD ROCK, MIN. 6" DEPTH
- 8 DOUBLE-CHECK BACKFLOW PREVENTER, SEE IRRIGATION SCHEDULE FOR MANUFACTURER'S INFORMATION.
- 9 CARSON-BROOKS ADJUSTABLE CURB BOX ASSEMBLY INCLUDE LOCKING CAP, COLLAR, TOP SECTION AND BOTTOM SECTION.
- 10 FINISH GRADE (STREET)
- 11 LINE SIZE STOP AND WASTE VALVE
- 12 LINE SIZE GALVANIZED PIPE, REDUCE AS REQUIRED.
- 13 WATER MAIN TAP & METER, BY OTHERS
- 14 WATER METER AND BOX PER CITY STDS. (BY OTHERS).

NOTES:
NOTE FOR TWO-WIRE SYSTEMS: CONTRACTOR TO CONNECT VALVE DECODER TO TWO-WIRE PATH AND VALVE SOLENOID PER MANUFACTURER'S WRITTEN INSTRUCTION.

- 1 10" ROUND VALVE BOX, PROVIDE 2 SUPPORT BRICKS UNDER BOX
- 2 BRICKS FOR SUPPORT
- 3 FILTER FABRIC
- 4 LOW POINT IN MAINLINE
- 5 PVC THREADED SERVICE TEE
- 6 1" SCH. 80 PVC 90
- 7 8" DIAMETER PVC PIPE, LENGTH AS REQUIRED
- 8 1" SCH. 80 PVC NIPPLE
- 9 1" - 90° SCH. 80 PVC STREET ELL
- 10 1" SCH. 80 PVC NIPPLE - 6" LONG
- 11 SLOPE DRAIN TO STRUCTURE IF FEASIBLE (WITHIN 60' L.F.)
- 12 EXTEND 6" SCH. 80 PVC NIPPLE INTO 24" CUBE OF 2" DRAIN ROCK, INSTALL AT LOW POINTS AND OR WHERE SHOWN ON PLANS. WRAP WASHED DRAIN ROCK (MIN. SIZE 3", 3", 3") WITH FILTER FABRIC.
- 13 1" BRASS GATE VALVE WITH CROSS-HANDLE AS SPECIFIED

NOTES:
NOTE FOR TWO-WIRE SYSTEMS: CONTRACTOR TO CONNECT VALVE DECODER TO TWO-WIRE PATH AND VALVE SOLENOID PER MANUFACTURER'S WRITTEN INSTRUCTION.

- 1 30" LINEAR LENGTH OF COILED WIRE
- 2 WATERPROOF VALVE TAG
- 3 VALVE BOX WITH COVER, INSTALL 1" ABOVE FINISH GRADE IN TURF AREAS AND 2" ABOVE FINISH GRADE IN BED AREAS.
- 4 FINISH GRADE (TOP OF MULCH)
- 5 REMOTE CONTROL VALVE PER PLAN
- 6 PVC SCH 80 NIPPLE
- 7 INSTALL UNION BETWEEN NIPPLE AND ELBOW
- 8 PVC SCH 80 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) & SCH 80 ELL
- 11 BRICK (1 OF 4)
- 12 PVC MAINLINE
- 13 PVC SCH 80 TEE OR ELL
- 14 LATERAL LINE
- 15 3" MIN. DEPTH WASHED 3/4" GRAVEL OVER WEED BARRIER

NOTES:
1. CENTER BOX OVER VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER SHRUB AREA AND 12" ABOVE FINISH GRADE IN TURF AREA.
3. SET VALVE BOX ASSEMBLY IN GROUND COVER SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN AREA ONLY IF GROUND COVER SHRUB AREA DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. VALVE BOXES SHALL HAVE BOLT DOWN LIDS WITH BOLTS INSTALLED.
7. VALVE BOXES SHALL BE BY CARSON INDUSTRIES OR E. L.A.L.

NOTES:
1. ALL PVC LATERAL LINES SHALL BE INSTALLED IN THE TRENCH IN A SERPENTINE MANNER AS PER MANUFACTURER'S SPECIFICATIONS.
2. ALL MAIN SUPPLY LINES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
3. TAPE AND BUNDLE TUBING OR WIRING AT 10 FT. INTERVALS. WIRING SHALL BE LAYED OUT LOOSELY IN THE TRENCH.
4. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.
5. CONDUIT, TUBING, WIRING AND OR MAIN SUPPLY LINE SHALL BE 1/2" WITH A MINIMUM 4" CAUTION TAPE 10-12" ABOVE CONDUIT OR LINE.
6. ALL MAIN SUPPLY LINES AND LATERAL LINES SHALL BE PLACED IN SLEEVES UNDER PAVED SURFACES.
7. ALL TRENCHING LINES SHALL BE BACKFILLED WITH MATERIAL FREE AND CLEAR OF DEBRIS OR ROCKS LARGER THAN 3/4" IN SIZE. COMPACT SOIL TO 75-80% R.C.
8. NO MORE THAN TWO (2) LINES PER TRENCH ON ALL 2" DIAMETER LINES OR GREATER.
9. PROVIDE LOCATOR WIRE CONTINUOUS ALONG TOP OF MAINLINE.

NOTES:
1. 4-INCH GRATE
2. ROOT WATERING SYSTEM: RAIN BIRD RWS-BGG (INCLUDES BUBBLER, CHECK VALVE AND GRATE)
3. BUBBLER
4. FINISH GRADE
5. CHECK VALVE
6. OPTIONAL PEA GRAVEL FOR SANDY SOILS
7. 1/2-INCH PVC SCH 80 NIPPLE
8. 1/2-INCH 90-DEGREE ELBOW
9. SWING PIPE, 12-INCH SWING ASSEMBLY
10. 1/2-INCH MALE NPT INLET
11. PVC SCH 40 TEE OR ELL
12. LATERAL PIPE
13. 4-INCH BASKET WEAVE CANISTER

NOTES:
1. COMPACT SOIL AROUND ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
2. SET SPRINKLER HEAD 1/2" ABOVE FINISH GRADE PRIOR TO INSTALLATION OF TURF. TOP OF SPRINKLER HEAD TO BE FLUSH WITH TURF AFTER INSTALLATION.
3. ALL SPRINKLER ASSEMBLIES TO BE SET PLUM UNLESS OTHERWISE NOTED.

- 1 FINISH GRADE
- 2 SPRINKLER HEAD, SEE PLANS FOR TYPE
- 3 ADJACENT SIDEWALKS, CURBS, OR EDGING, TYP.
- 4 SWING PIPE RISER: 1 1/2" MALE NPT X BARB ELBOW (BOTH ENDS) LENGTH AS REQUIRED OR APPROVED E. L.A.L. FOR ROTORS USE 3/4" NPT X BARB ELBOW (BOTH ENDS) LENGTH AS REQUIRED.
- 5 PVC TEE (SST) OR ELL (ST) SIZE AS REQUIRED
- 6 TURF LATERAL

NOTES:
1. 10" ROUND VALVE BOX, PROVIDE 2 SUPPORT BRICKS UNDER BOX
2. BRICKS FOR SUPPORT
3. FILTER FABRIC
4. LOW POINT IN MAINLINE
5. PVC THREADED SERVICE TEE
6. 1" SCH. 80 PVC 90
7. 8" DIAMETER PVC PIPE, LENGTH AS REQUIRED
8. 1" SCH. 80 PVC NIPPLE
9. 1" - 90° SCH. 80 PVC STREET ELL
10. 1" SCH. 80 PVC NIPPLE - 6" LONG
11. SLOPE DRAIN TO STRUCTURE IF FEASIBLE (WITHIN 60' L.F.)
12. EXTEND 6" SCH. 80 PVC NIPPLE INTO 24" CUBE OF 2" DRAIN ROCK, INSTALL AT LOW POINTS AND OR WHERE SHOWN ON PLANS. WRAP WASHED DRAIN ROCK (MIN. SIZE 3", 3", 3") WITH FILTER FABRIC.
13. 1" BRASS GATE VALVE WITH CROSS-HANDLE AS SPECIFIED

NOTES:
1. 20"x14" JUMBO PLASTIC VALVE BOX
2. PVC TRUE UNION BALL VALVE
3. 2" ABOVE GRADE AT SHRUBS
4. SET BOX FLUSH AT TURF
5. 3" MIN. DEPTH
6. CONTROLLER WIRE WITH 30 INCH LINEAR LENGTH OF COIL, WITH PLASTIC I.D. TAG AND WATERPROOF CONNECTORS.
7. RCV AS SPECIFIED
8. FILTER AS SPECIFIED
9. PRESSURE REGULATOR AS SPECIFIED
10. PVC UNION W/ SHORT NIPPLES
11. 1/2" ABOVE GRADE AT SHRUBS
12. 3" MIN. DEPTH
13. 45' DOWN AS REQ. TO LATERAL PIPE DEPTH.
14. TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.
15. SCH. 80 RISER
16. SXT TEE W/ 2" NIPPLE AT MAINLINE
17. 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES.

NOTES:
1. 10" ROUND VALVE BOX
2. 14"x11" RECTANGULAR VALVE BOX
3. 13"x20" OR LARGER VALVE BOX
4. 12" MIN. DEPTH
5. 12" MIN. DEPTH
6. 12" MIN. DEPTH
7. 12" MIN. DEPTH
8. 12" MIN. DEPTH
9. 12" MIN. DEPTH
10. 12" MIN. DEPTH
11. 12" MIN. DEPTH
12. 12" MIN. DEPTH
13. 12" MIN. DEPTH
14. 12" MIN. DEPTH
15. 12" MIN. DEPTH
16. 12" MIN. DEPTH
17. 12" MIN. DEPTH
18. 12" MIN. DEPTH
19. 12" MIN. DEPTH
20. 12" MIN. DEPTH
21. 12" MIN. DEPTH
22. 12" MIN. DEPTH
23. 12" MIN. DEPTH
24. 12" MIN. DEPTH
25. 12" MIN. DEPTH
26. 12" MIN. DEPTH
27. 12" MIN. DEPTH
28. 12" MIN. DEPTH
29. 12" MIN. DEPTH
30. 12" MIN. DEPTH
31. 12" MIN. DEPTH
32. 12" MIN. DEPTH
33. 12" MIN. DEPTH
34. 12" MIN. DEPTH
35. 12" MIN. DEPTH
36. 12" MIN. DEPTH
37. 12" MIN. DEPTH
38. 12" MIN. DEPTH
39. 12" MIN. DEPTH
40. 12" MIN. DEPTH
41. 12" MIN. DEPTH
42. 12" MIN. DEPTH
43. 12" MIN. DEPTH
44. 12" MIN. DEPTH
45. 12" MIN. DEPTH
46. 12" MIN. DEPTH
47. 12" MIN. DEPTH
48. 12" MIN. DEPTH
49. 12" MIN. DEPTH
50. 12" MIN. DEPTH
51. 12" MIN. DEPTH
52. 12" MIN. DEPTH
53. 12" MIN. DEPTH
54. 12" MIN. DEPTH
55. 12" MIN. DEPTH
56. 12" MIN. DEPTH
57. 12" MIN. DEPTH
58. 12" MIN. DEPTH
59. 12" MIN. DEPTH
60. 12" MIN. DEPTH
61. 12" MIN. DEPTH
62. 12" MIN. DEPTH
63. 12" MIN. DEPTH
64. 12" MIN. DEPTH
65. 12" MIN. DEPTH
66. 12" MIN. DEPTH
67. 12" MIN. DEPTH
68. 12" MIN. DEPTH
69. 12" MIN. DEPTH
70. 12" MIN. DEPTH
71. 12" MIN. DEPTH
72. 12" MIN. DEPTH
73. 12" MIN. DEPTH
74. 12" MIN. DEPTH
75. 12" MIN. DEPTH
76. 12" MIN. DEPTH
77. 12" MIN. DEPTH
78. 12" MIN. DEPTH
79. 12" MIN. DEPTH
80. 12" MIN. DEPTH
81. 12" MIN. DEPTH
82. 12" MIN. DEPTH
83. 12" MIN. DEPTH
84. 12" MIN. DEPTH
85. 12" MIN. DEPTH
86. 12" MIN. DEPTH
87. 12" MIN. DEPTH
88. 12" MIN. DEPTH
89. 12" MIN. DEPTH
90. 12" MIN. DEPTH
91. 12" MIN. DEPTH
92. 12" MIN. DEPTH
93. 12" MIN. DEPTH
94. 12" MIN. DEPTH
95. 12" MIN. DEPTH
96. 12" MIN. DEPTH
97. 12" MIN. DEPTH
98. 12" MIN. DEPTH
99. 12" MIN. DEPTH
100. 12" MIN. DEPTH
101. 12" MIN. DEPTH
102. 12" MIN. DEPTH
103. 12" MIN. DEPTH
104. 12" MIN. DEPTH
105. 12" MIN. DEPTH
106. 12" MIN. DEPTH
107. 12" MIN. DEPTH
108. 12" MIN. DEPTH
109. 12" MIN. DEPTH
110. 12" MIN. DEPTH
111. 12" MIN. DEPTH
112. 12" MIN. DEPTH
113. 12" MIN. DEPTH
114. 12" MIN. DEPTH
115. 12" MIN. DEPTH
116. 12" MIN. DEPTH
117. 12" MIN. DEPTH
118. 12" MIN. DEPTH
119. 12" MIN. DEPTH
120. 12" MIN. DEPTH
121. 12" MIN. DEPTH
122. 12" MIN. DEPTH
123. 12" MIN. DEPTH
124. 12" MIN. DEPTH
125. 12" MIN. DEPTH
126. 12" MIN. DEPTH
127. 12" MIN. DEPTH
128. 12" MIN. DEPTH
129. 12" MIN. DEPTH
130. 12" MIN. DEPTH
131. 12" MIN. DEPTH
132. 12" MIN. DEPTH
133. 12" MIN. DEPTH
134. 12" MIN. DEPTH
135. 12" MIN. DEPTH
136. 12" MIN. DEPTH
137. 12" MIN. DEPTH
138. 12" MIN. DEPTH
139. 12" MIN. DEPTH
140. 12" MIN. DEPTH
141. 12" MIN. DEPTH
142. 12" MIN. DEPTH
143. 12" MIN. DEPTH
144. 12" MIN. DEPTH
145. 12" MIN. DEPTH
146. 12" MIN. DEPTH
147. 12" MIN. DEPTH
148. 12" MIN. DEPTH
149. 12" MIN. DEPTH
150. 12" MIN. DEPTH
151. 12" MIN. DEPTH
152. 12" MIN. DEPTH
153. 12" MIN. DEPTH
154. 12" MIN. DEPTH
155. 12" MIN. DEPTH
156. 12" MIN. DEPTH
157. 12" MIN. DEPTH
158. 12" MIN. DEPTH
159. 12" MIN. DEPTH
160. 12" MIN. DEPTH
161. 12" MIN. DEPTH
162. 12" MIN. DEPTH
163. 12" MIN. DEPTH
164. 12" MIN. DEPTH
165. 12" MIN. DEPTH
166. 12" MIN. DEPTH
167. 12" MIN. DEPTH
168. 12" MIN. DEPTH
169. 12" MIN. DEPTH
170. 12" MIN. DEPTH
171. 12" MIN. DEPTH
172. 12" MIN. DEPTH
173. 12" MIN. DEPTH
174. 12" MIN. DEPTH
175. 12" MIN. DEPTH
176. 12" MIN. DEPTH
177. 12" MIN. DEPTH
178. 12" MIN. DEPTH
179. 12" MIN. DEPTH
180. 12" MIN. DEPTH
181. 12" MIN. DEPTH
182. 12" MIN. DEPTH
183. 12" MIN. DEPTH
184. 12" MIN. DEPTH
185. 12" MIN. DEPTH
186. 12" MIN. DEPTH
187. 12" MIN. DEPTH
188. 12" MIN. DEPTH
189. 12" MIN. DEPTH
190. 12" MIN. DEPTH
191. 12" MIN. DEPTH
192. 12" MIN. DEPTH
193. 12" MIN. DEPTH
194. 12" MIN. DEPTH
195. 12" MIN. DEPTH
196. 12" MIN. DEPTH
197. 12" MIN. DEPTH
198. 12" MIN. DEPTH
199. 12" MIN. DEPTH
200. 12" MIN. DEPTH
201. 12" MIN. DEPTH
202. 12" MIN. DEPTH
203. 12" MIN. DEPTH
204. 12" MIN. DEPTH
205. 12" MIN. DEPTH
206. 12" MIN. DEPTH
207. 12" MIN. DEPTH
208. 12" MIN. DEPTH
209. 12" MIN. DEPTH
210. 12" MIN. DEPTH
211. 12" MIN. DEPTH
212. 12" MIN. DEPTH
213. 12" MIN. DEPTH
214. 12" MIN. DEPTH
215. 12" MIN. DEPTH
216. 12" MIN. DEPTH
217. 12" MIN. DEPTH
218. 12" MIN. DEPTH
219. 12" MIN. DEPTH
220. 12" MIN. DEPTH
221. 12" MIN. DEPTH
222. 12" MIN. DEPTH
223. 12" MIN. DEPTH
224. 12" MIN. DEPTH
225. 12" MIN. DEPTH
226. 12" MIN. DEPTH
227. 12" MIN. DEPTH
228. 12" MIN. DEPTH
229. 12" MIN. DEPTH
230. 12" MIN. DEPTH
231. 12" MIN. DEPTH
232. 12" MIN. DEPTH
233. 12" MIN. DEPTH
234. 12" MIN. DEPTH
235. 12" MIN. DEPTH
236. 12" MIN. DEPTH
237. 12" MIN. DEPTH
238. 12" MIN. DEPTH
239. 12" MIN. DEPTH
240. 12" MIN. DEPTH
241. 12" MIN. DEPTH
242. 12" MIN. DEPTH
243. 12" MIN. DEPTH
244. 12" MIN. DEPTH
245. 12" MIN. DEPTH
246. 12" MIN. DEPTH
247. 12" MIN. DEPTH
248. 12" MIN. DEPTH
249. 12" MIN. DEPTH
250. 12" MIN. DEPTH
251. 12" MIN. DEPTH
252. 12" MIN. DEPTH
253. 12" MIN. DEPTH
254. 12" MIN. DEPTH
255. 12" MIN. DEPTH
256. 12" MIN. DEPTH
257. 12" MIN. DEPTH
258. 12" MIN. DEPTH
259. 12" MIN. DEPTH
260. 12" MIN. DEPTH
261. 12" MIN. DEPTH
262. 12" MIN. DEPTH
263. 12" MIN. DEPTH
264. 12" MIN. DEPTH
265. 12" MIN. DEPTH
266. 12" MIN. DEPTH
267. 12" MIN. DEPTH
268. 12" MIN. DEPTH
269. 12" MIN. DEPTH
270. 12" MIN. DEPTH
271. 12" MIN. DEPTH
272. 12" MIN. DEPTH
273. 12" MIN. DEPTH
274. 12" MIN. DEPTH
275. 12" MIN. DEPTH
276. 12" MIN. DEPTH
277. 12" MIN. DEPTH
278. 12" MIN. DEPTH
279. 12" MIN. DEPTH
280. 12" MIN. DEPTH
281. 12" MIN. DEPTH
282. 12" MIN. DEPTH
283. 12" MIN. DEPTH
284. 12" MIN. DEPTH
285. 12" MIN. DEPTH
286. 12" MIN. DEPTH
287. 12" MIN. DEPTH
288. 12" MIN. DEPTH
289. 12" MIN. DEPTH
290. 12" MIN. DEPTH
291. 12" MIN. DEPTH
292. 12" MIN. DEPTH
293. 12" MIN. DEPTH
294. 12" MIN. DEPTH
295. 12" MIN. DEPTH
296. 12" MIN. DEPTH
297. 12" MIN. DEPTH
298. 12" MIN. DEPTH
299. 12" MIN. DEPTH
300. 12" MIN. DEPTH
301. 12" MIN. DEPTH
302. 12" MIN. DEPTH
303. 12" MIN. DEPTH
304. 12" MIN. DEPTH
305. 12" MIN. DEPTH
306. 12" MIN. DEPTH
307. 12" MIN. DEPTH
308. 12" MIN. DEPTH
309. 12" MIN. DEPTH
310. 12" MIN. DEPTH
311. 12" MIN. DEPTH
312. 12" MIN. DEPTH
313. 12" MIN. DEPTH
314. 12" MIN. DEPTH
315. 12" MIN. DEPTH
316. 12" MIN. DEPTH
317. 12" MIN. DEPTH
318. 12" MIN. DEPTH
319. 12" MIN. DEPTH
320. 12" MIN. DEPTH
321. 12" MIN. DEPTH
322. 12" MIN. DEPTH
323. 12" MIN. DEPTH
324. 12" MIN. DEPTH
325. 12" MIN. DEPTH
326. 12" MIN. DEPTH
327. 12" MIN. DEPTH
328. 12" MIN. DEPTH
329. 12" MIN. DEPTH
330. 12" MIN. DEPTH
331. 12" MIN. DEPTH
332. 12" MIN. DEPTH
333. 12" MIN. DEPTH
334. 12" MIN. DEPTH
335. 12" MIN. DEPTH
336. 12" MIN. DEPTH
337. 12" MIN. DEPTH
338. 12" MIN. DEPTH
339. 12" MIN. DEPTH
340. 12" MIN. DEPTH
341. 12" MIN. DEPTH
342. 12" MIN. DEPTH
343. 12" MIN. DEPTH
344. 12" MIN. DEPTH
345. 12" MIN. DEPTH
346. 12" MIN. DEPTH
347. 12" MIN. DEPTH
348. 12" MIN. DEPTH
349. 12" MIN. DEPTH
350. 12" MIN. DEPTH
351. 12" MIN. DEPTH
352. 12" MIN. DEPTH
353. 12" MIN. DEPTH
354. 12" MIN. DEPTH
355. 12" MIN. DEPTH
356. 12" MIN. DEPTH
357. 12" MIN. DEPTH
358. 12" MIN. DEPTH
359. 12" MIN. DEPTH
360. 12" MIN. DEPTH
361. 12" MIN. DEPTH
362. 12" MIN. DEPTH
363. 12" MIN. DEPTH
364. 12" MIN. DEPTH
365. 12" MIN. DEPTH
366. 12" MIN. DEPTH
367. 12" MIN. DEPTH
368. 12" MIN. DEPTH
369. 12" MIN. DEPTH
370. 12" MIN. DEPTH
371. 12" MIN. DEPTH
372. 12" MIN. DEPTH
373. 12" MIN. DEPTH
374. 12" MIN. DEPTH
375. 12" MIN. DEPTH
376. 12" MIN. DEPTH
377. 12" MIN. DEPTH
378. 12" MIN. DEPTH
379. 12" MIN. DEPTH
380. 12" MIN. DEPTH
381. 12" MIN. DEPTH
382. 12" MIN. DEPTH
383. 12" MIN. DEPTH
384. 12" MIN. DEPTH
385. 12" MIN. DEPTH
386. 12" MIN. DEPTH
387. 12" MIN. DEPTH
388. 12" MIN. DEPTH
389. 12" MIN. DEPTH
390. 12" MIN. DEPTH
391. 12" MIN. DEPTH
392. 12" MIN. DEPTH
393. 12" MIN. DEPTH
394. 12" MIN. DEPTH
395. 12" MIN. DEPTH
396. 12" MIN. DEPTH
397. 12" MIN. DEPTH
398. 12" MIN. DEPTH
399. 12" MIN. DEPTH
400. 12" MIN. DEPTH
401. 12" MIN. DEPTH
402. 12" MIN. DEPTH
403. 12" MIN. DEPTH
404. 12" MIN. DEPTH
405. 12" MIN. DEPTH
406. 12" MIN. DEPTH
407. 12" MIN. DEPTH
408. 12" MIN. DEPTH
409. 12" MIN. DEPTH
410. 12" MIN. DEPTH
411. 12" MIN. DEPTH
412. 12" MIN. DEPTH
413. 12" MIN. DEPTH
414. 12" MIN. DEPTH
415. 12" MIN. DEPTH
416. 12" MIN. DEPTH
417. 12" MIN. DEPTH
418. 12" MIN. DEPTH
419. 12" MIN. DEPTH
420. 12" MIN. DEPTH
421. 12" MIN. DEPTH
422. 12" MIN. DEPTH
423. 12" MIN. DEPTH
424. 12" MIN. DEPTH
425. 12" MIN. DEPTH
426. 12" MIN. DEPTH
427. 12" MIN. DEPTH
428. 12" MIN. DEPTH
429. 12" MIN. DEPTH
430. 12" MIN. DEPTH
431. 12" MIN. DEPTH
432. 12" MIN. DEPTH
433. 12" MIN. DEPTH
434. 12" MIN. DEPTH
435. 12" MIN. DEPTH
436. 12" MIN. DEPTH
437. 12" MIN. DEPTH
438. 12" MIN. DEPTH
439. 12" MIN. DEPTH
440. 12" MIN. DEPTH
441. 12" MIN. DEPTH
442. 12" MIN. DEPTH
443. 12" MIN. DEPTH
444. 12" MIN. DEPTH
445. 12" MIN. DEPTH
446. 12" MIN. DEPTH
447. 12" MIN. DEPTH
448. 12" MIN. DEPTH
449. 12" MIN. DEPTH
450. 12" MIN. DEPTH
451. 12" MIN. DEPTH
452. 12" MIN. DEPTH
453. 12" MIN. DEPTH
454. 12" MIN. DEPTH
455. 12" MIN. DEPTH
456. 12" MIN. DEPTH
457. 12" MIN. DEPTH
458. 12" MIN. DEPTH
459. 12" MIN. DEPTH
460. 12" MIN. DEPTH
461. 12" MIN. DEPTH
462. 12" MIN. DEPTH
463. 12" MIN. DEPTH
464. 12" MIN. DEPTH
465. 12" MIN. DEPTH
466. 12" MIN. DEPTH
467. 12" MIN. DEPTH
468. 12" MIN. DEPTH
469. 12" MIN. DEPTH
470. 12" MIN.